



CITY COUNCIL MEETING AGENDA

July 15, 2013

**6:00 p.m. - Special Meeting: Executive Session to discuss
litigation, real estate acquisition and labor negotiations**

7:00 p.m. – Regular Meeting

	PAGE NO.
1. CALL TO ORDER	
2. PLEDGE OF ALLEGIANCE	
3. ROLL CALL	
4. AGENDA CONFIRMATION	
5. PUBLIC COMMENT	Individuals will please limit their comments to three minutes, and groups to five minutes.
6. CORRESPONDENCE FOR THE RECORD	<ul style="list-style-type: none"> a. Email Dated June 27, 2013, from Mark Owen. 3. b. Email Dated July 9, 2013, from Dick West. 5. c. Email Dated July 9, 2013, from Brian Gemeroy. 9.
7. CONSENT AGENDA	<ul style="list-style-type: none"> a. Approval of Check Register: Numbers 35086 - 35199 in the Amount of \$4,457,297.13 for Payment on July 15, 2013, and Payroll Salaries and Benefits Numbers 5821 - 5845 for Direct Deposits and Wire Transfers in the Amount of \$312,452.51 for June 16 – June 30, Paid on July 5, 2013. 11. b. Approval of Minutes: Regular Meeting, July 15, 2013. 29. c. Motion to Authorize the City Manager to Execute Interlocal Agreements with King County for F-Line Fiber Sharing. 35. d. Motion to Authorize the City Manager to Execute CARES Contract Amendment No. 3. 277.
8. BUSINESS AGENDA	<ul style="list-style-type: none"> a. Presentation of Seattle City Light Undergrounding Financing for 1st Avenue South. 291. b. Motion to Adopt Resolution No. 346, Approving the Development Agreement for Miller Creek Court. 293. c. Consider and Approve Ordinance No. 584, Authorizing a 1 year Line of Credit and Authorize City Manager to Execute Purchase and Sale Agreement for the Former Sunny Terrace Elementary School Property from Highline School District. 315. d. Review of Council Proposed Agenda Schedule. 337. e. City Manager’s Report. 341.
9. COUNCIL BUSINESS	
10. ADJOURNMENT	

COUNCILMEMBERS

Brian Bennett, Mayor	Lucy Krakowiak, Deputy Mayor	Jack Block, Jr.
Rose Clark	Bob Edgar	Joan McGilton
		Gerald F. Robison

City Hall, 400 SW 152nd Street, 1st Floor

Carol Allread

From: Public Council Inbox
Sent: Friday, June 28, 2013 11:10 AM
To: 'Mark'
Subject: RE: Hospital Zone

Dear Mr. Owen,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Sincerely,

Carol Allread
Executive Assistant, City Manager Office
City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

From: Mark [<mailto:owenmark@earthlink.net>]
Sent: Thursday, June 27, 2013 2:45 PM
To: Public Council Inbox
Subject: Hospital Zone

Hello,

Several times in the past, as I was leaving Highline Hospital's main entrance onto Sylvester Road SW, I was nearly run down or hit, and even honked at for pulling out of someone coming from the Three Tree Point direction. That direction is the worst due to limited sight distance around that curve. Just last week it happened to me coming out of the back entrance onto 8th Ave. SW. It's disturbing to me. It's a hospital zone, it's a school zone and it's residential. What's even more alarming is the lack of signs on both roads. Hospital zones that I've seen in other cities flag the roads very well, some blaringly. I haven't gone back and surveyed for signs, but if I recall correctly, there may be one or two blue 'H' signs.

I really think some signs are called for. I worry about the seniors citizens most, with possible limited vision, hearing and reflexes.

Thanks You for your time,

Mark Owen
206.941.7719
owenmark@earthlink.net

CFTR: 7/15/13

cc: maiya Andrews, Public Works Director

Nhan Nguyen

From: Public Council Inbox
To: dick.west2@aol.com
Subject: FW: July 15th Council Packet

Dear Mr. West,

Thank you for your email. Your email will be included in the July 15th Council Package.

Sincerely,

Nhan Nguyen
Management Analyst
Burien City Manager's Office
400 SW 152nd Street, Suite 300
Burien, WA 98166
desk phone: 206.439.3165
fax: 206.248.5539
nhann@burienwa.gov
www.burienwa.gov

From: Monica Lusk
Sent: Tuesday, July 09, 2013 3:17 PM
To: Public Council Inbox
Subject: FW: July 15th Council Packet

From: Dick West [<mailto:dick.west2@aol.com>]
Sent: Tuesday, July 09, 2013 2:59 PM
To: Monica Lusk
Subject: July 15th Council Packet

Monica,

Please include this email in the July 15th Council Packet.

Thank you in advance for your assistance.

Dear Council Members:

Rental property is a business that is not adequately dealt with in our existing BMC. Rental properties with less than four units are unregulated and some of them would easily be classified as slumlord dwellings.

Slumlord dwellings are easy to spot:

CPTA: 7/15/13

- Some have cars parked all over the lawn.
- Some have two foot-high grass that hasn't been mowed.
- Some are in serious disrepair.
- Some have rubbish scattered about.
- All of them degrade our neighborhoods.

Most landlords do a good job of managing their properties because they know that it is in their best financial interest to do so. Slumlords on the other hand, are always looking for an easy buck, and will lease to anyone, including those that damage property.

Burien should rectify this gap in the BMC by requiring all rental businesses to maintain their properties. I believe if the rental market was required to maintain their properties in accordance with the same code homeowners have to follow, it would dramatically improve our neighborhoods.

Licensing these smaller rental properties the same way it licenses home occupied businesses, \$35 per year per dwelling, would generate sufficient money to pay the cost of an extra full time compliance officer to monitor these businesses located in our neighborhoods.

I propose:

- Burien hire a full time person to drive by all rental units located in Burien once a month. There is 150 miles of paved roadway in Burien with thousands of rentals.
- 2 photos be taken from the public right-of-way of all rental properties monthly.

By requiring the landlords to register online:

- The city can efficiently monitor neighborhood activities that harm our city.
- The city can maintain an email database to quickly notify landlords of problems. Dealing with just the tenant on code issues does not work. The owner is the responsible party for maintaining their property.
- Photos of the property can be sent via email monthly.
- Any bounced emails will alert the city to update the email database.
- Pertinent updates to the BMC regarding landlords can be quickly distributed.

Burien should have a PDF file with current regulations that can be downloaded and inserted into the lease agreement. These PDF files should also have a synopsis to make them easy to understand:

- Four cars maximum. Same as the homeowners.
- Parking only in designated driveways. Same as homeowners.
- Vegetation shall not encroach onto sidewalks, roadways, or intersections. Same as homeowners.
- Lawn to be maintained between March 1st and October 15th at an interval not to exceed three weeks.

This current economic cycle is fueling the slum lord problem in Burien. Specifically, many of the foreclosed houses in Burien are being sold to investors. A small percentage of these will become slum lords. Each of these slum lord dwellings degrade property values for 3 square miles. Burien has

only 10 square miles, so this isn't a problem we can afford to ignore any more when an easy solution is at hand to improve our neighborhoods.

Dick West

Nhan Nguyen

From: Public Council Inbox
To: Brian Gemeroy
Subject: RE: Lakeview Park expansion

Dear Mr. Gemeroy,

Thank you for your email. Your email is included in the July 15 Council Meeting's Correspondence for the Record.

Sincerely,

Nhan Nguyen
Management Analyst
Burien City Manager's Office
206.439.3165

From: Brian Gemeroy [<mailto:briangemeroy@gmail.com>]
Sent: Tuesday, July 09, 2013 5:25 PM
To: Public Council Inbox
Subject: Fwd: Lakeview Park expansion

OOOPs.....I mis typed your email address.
See attached email.

~B

Brian Gemeroy
BrianGemeroy@Gmail.com
206-399-5660

Begin forwarded message:

From: Brian Gemeroy <briangemeroy@gmail.com>
Subject: Lakeview Park expansion
Date: July 9, 2013 5:22:49 PM PDT
To: council@burienwa.gov, Martin Mike <mikem@burienwa.gov>, Trimble Dan <dant@burienwa.gov>, McLauchlan Henry <henry.mclauchlan@kingcounty.gov>

Greeting folks,

Subject: Expansion of Lakeview Park

CFTR: 7/15/13

CC: MICHAEL LAFFRENIERE

As a Burien resident of over 35 years I enjoy all the parks this wonderful city offers and there is an opportunity to expand the Lakeview Park by adding the adjacent parcel that is east of the park.

The parcel I am talking about is King County Parcel 1219000491 and has an address attached to it as 15845 - 4th Avenue S.W. This property is currently for sale and is in foreclosure.

This house could either be used to store maintenance equipment for the Parks department or could be rest rooms. The building could also be demolished and it would be a great area to provide limited parking as well as ADA access.

Adding the new parcel to the existing Lakeview Park would be a natural. Clearing out some of the lower brush and adding trails and picnic tables would add to the natural beauty with mature trees providing a beautiful setting.

My lofty dream would be to provide a water pond by installing a wall across the year round spring that flows through the property on its way to Miller Creek. What a great addition and wonderful place for people and the wildlife to enjoy.

This wooded property is currently a home for up to a dozen transients that have created a dangerous and unsightly.....not to say dangerous situation for all of us that live in the area.

The Burien Police are aware of the transients but seem to be having a difficulty getting a handle on the situation.

So.....what do you folks think?

Please contact me at any time with questions.

Regards,

Brian Gemeroy
Post Office Box 859
Seahurst, Washington 98062
BrianGemeroy@Gmail.com
206-399-5660

COMPUTER CHECK REGISTER

CHECK REGISTER APPROVAL

WE, THE MEMBERS OF THE CITY COUNCIL OF BURIEN, WASHINGTON, HAVING RECEIVED DEPARTMENT CERTIFICATION THAT MERCHANDISE AND/OR SERVICES HAVE BEEN RECEIVED OR RENDERED, DO HEREBY APPROVE FOR PAYMENT ON This 15th day of July 2013 THE FOLLOWING:

CHECK NOS. 35086-35199

IN THE AMOUNTS OF \$4,457,297.13

WITH VOIDED CHECK NOS. 0

PAYROLL SALARIES AND BENEFITS APPROVAL

FOR June 16th - June 30th PAID ON 5th July 2013

CHECK NOS. 5821-5845

DIRECT DEPOSITS AND WIRE TRANSFERS IN THE AMOUNT OF: \$312,452.51

Accounts Payable

Checks for Approval



User: cathyr
 Printed: 07/11/2013 - 7:51 AM

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
35086	07/15/2013	General Fund	Professional Services	ABC Legal	7.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	12.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	7.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	12.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	13.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	12.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	16.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	11.00
35086	07/15/2013	General Fund	Professional Services	ABC Legal	50.00
Check Total:					140.00
35087	07/15/2013	Street Fund	Office And Operating Supplies	Ace Hardware	12.22
35087	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Ace Hardware	42.67
35087	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Ace Hardware	7.65
35087	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Ace Hardware	13.63
35087	07/15/2013	Street Fund	Office And Operating Supplies	Ace Hardware	200.35
35087	07/15/2013	Street Fund	Office And Operating Supplies	Ace Hardware	10.33
35087	07/15/2013	Street Fund	Special Event Clean up	Ace Hardware	32.83
35087	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Ace Hardware	7.65
Check Total:					327.33
35088	07/15/2013	General Fund	Subscriptions/Publications	Attorney's Eagle Eye Service	59.13
Check Total:					59.13
35089	07/15/2013	General Fund	Summer Youth	Alliance For A Just Society	10,121.00
Check Total:					10,121.00
35090	07/15/2013	General Fund	Office and Operating Supplies	Al Books Custom Welding	50.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
35090	07/15/2013	General Fund	Office and Operating Supplies	Al Books Custom Welding	100.00
35090	07/15/2013	General Fund	Strawberry Festival	Al Books Custom Welding	160.00
35090	07/15/2013	General Fund	Office and Operating Supplies	Al Books Custom Welding	631.70
Check Total:					941.70
35091	07/15/2013	Street Fund	Office And Operating Supplies	Alpine Products Inc	111.14
35091	07/15/2013	Street Fund	Office And Operating Supplies	Alpine Products Inc	3,789.97
35091	07/15/2013	Street Fund	Office And Operating Supplies	Alpine Products Inc	3,747.89
35091	07/15/2013	Street Fund	Office And Operating Supplies	Alpine Products Inc	130.31
Check Total:					7,779.31
35092	07/15/2013	General Fund	Professional Services	Kimberly M Archer	800.00
Check Total:					800.00
35093	07/15/2013	General Fund	Professional Services	Arts Corps	2,290.00
Check Total:					2,290.00
35094	07/15/2013	General Fund	Telephone	A T & T	52.60
Check Total:					52.60
35095	07/15/2013	General Fund	Telephone	AT&T Mobility	18.96
Check Total:					18.96
35096	07/15/2013	General Fund	Professional Services	John M Ballard	800.00
Check Total:					800.00
35097	07/15/2013	General Fund	Lodging	JACK BLOCK JR	332.10
35097	07/15/2013	General Fund	Mileage	JACK BLOCK JR	244.08
Check Total:					576.18
35098	07/15/2013	General Fund	Publications	Business Management Daily	89.00
Check Total:					89.00
35099	07/15/2013	General Fund	Instructors Prof Svcs	Lucas Bonnema	120.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	120.00
35100	07/15/2013	General Fund	Prof. Svcs-Instructors	Eileen Broomell	376.00
				Check Total:	376.00
35101	07/15/2013	General Fund	Prof. Svcs-Instructors	Viola Brumbaugh	2,182.00
				Check Total:	2,182.00
35102	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc	56.87
35102	07/15/2013	Street Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc	56.87
35102	07/15/2013	Street Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc	30.01
35102	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc	30.00
35102	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc	35.28
				Check Total:	209.03
35103	07/15/2013	General Fund	Animal Control Services	CARES	10,000.00
				Check Total:	10,000.00
35104	07/15/2013	General Fund	Sftwre Subscript & Licensing	CDW-G	3,296.17
				Check Total:	3,296.17
35105	07/15/2013	Transportation CIP	Design - Engineering	CH2M Hill	118,279.63
35105	07/15/2013	Transportation CIP	Design - Engineering	CH2M Hill	146,880.15
				Check Total:	265,159.78
35106	07/15/2013	General Fund	Office and Operating Supplies	Clay Art Center Inc	14.55
				Check Total:	14.55
35107	07/15/2013	General Fund	Professional Services	Stew Cogan	3,690.00
				Check Total:	3,690.00
35108	07/15/2013	General Fund	Online Video Streaming	COMCAST	45.21
35108	07/15/2013	General Fund	Utilities	COMCAST	70.85
35108	07/15/2013	General Fund	Utilities	COMCAST	96.13

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
35108	07/15/2013	Street Fund	Telephone	COMCAST	45.57
35108	07/15/2013	Surface Water Management Fund	Telephone	COMCAST	45.56
35108	07/15/2013	General Fund	Drug Seizure Proceeds KCSO	COMCAST	142.43
Check Total:					445.75
35109	07/15/2013	General Fund	Office/Operating Supplies	Complete Office LLC	564.85
35109	07/15/2013	General Fund	Office/Operating Supplies	Complete Office LLC	78.45
35109	07/15/2013	General Fund	Office/Operating Supplies	Complete Office LLC	439.32
35109	07/15/2013	General Fund	IT Office/Operating Supplies	Complete Office LLC	156.90
35109	07/15/2013	General Fund	Office and Operating Supplies	Complete Office LLC	78.45
35109	07/15/2013	General Fund	Office and Operating Supplies	Complete Office LLC	235.35
35109	07/15/2013	General Fund	Office And Operating Supplies	Complete Office LLC	627.61
35109	07/15/2013	General Fund	Office And Operating Supplies	Complete Office LLC	533.47
35109	07/15/2013	General Fund	Office And Operating Supplies	Complete Office LLC	423.63
35109	07/15/2013	General Fund	Office And Operating Supplies	Complete Office LLC	544.72
Check Total:					3,682.75
35110	07/15/2013	General Fund	Instructors Prof Svcs	Janet S. Crawley	288.00
35110	07/15/2013	General Fund	Prof. Svcs-Instructors	Janet S. Crawley	600.00
Check Total:					888.00
35111	07/15/2013	Surface Water Management Fund	Utilities	City of Seattle	15.79
35111	07/15/2013	Street Fund	Utilities-Street Lighting	City of Seattle	15.08
35111	07/15/2013	General Fund	Utilities	City of Seattle	12.24
35111	07/15/2013	Surface Water Management Fund	Utilities	City of Seattle	16.00
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	93.71
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	59.44
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	51.10
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	15.50
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	242.34
35111	07/15/2013	General Fund	Utilities	City of Seattle	206.75
35111	07/15/2013	General Fund	Utilities	City of Seattle	716.51
35111	07/15/2013	General Fund	Utilities	City of Seattle	1,522.80
35111	07/15/2013	General Fund	Utilities	City of Seattle	716.04
35111	07/15/2013	General Fund	Utilities	City of Seattle	139.23
35111	07/15/2013	General Fund	Utilities	City of Seattle	109.62
35111	07/15/2013	General Fund	Utilities	City of Seattle	7.80
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	143.82
35111	07/15/2013	Street Fund	Utilities - Traffic Signals	City of Seattle	83.79

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	4,167.56
35112	07/15/2013	General Fund	State Lobbying Services	Michael D. Doubleday	3,000.00
35112	07/15/2013	General Fund	Federal Lobbying Services	Michael D. Doubleday	2,050.00
				Check Total:	5,050.00
35113	07/15/2013	General Fund	Citizens Patrol/ Crime Prevent	PHYLLIS DICKEY	89.23
				Check Total:	89.23
35114	07/15/2013	General Fund	Leasehold Excise Tax Payable	Washington State DOR	228.60
35114	07/15/2013	General Fund	Leases - BCC Annex	Washington State DOR	339.21
				Check Total:	567.81
35115	07/15/2013	General Fund	Professional Services	Davis Wright Tremaine	1,186.58
35115	07/15/2013	General Fund	Professional Services	Davis Wright Tremaine	50,049.00
				Check Total:	51,235.58
35116	07/15/2013	Surface Water Management Fund	Machinery And Equipment	Enviro-Clean Equipment Inc	84.62
35116	07/15/2013	Surface Water Management Fund	Machinery And Equipment	Enviro-Clean Equipment Inc	258.11
35116	07/15/2013	Surface Water Management Fund	Machinery And Equipment	Enviro-Clean Equipment Inc	338.36
35116	07/15/2013	Surface Water Management Fund	Machinery And Equipment	Enviro-Clean Equipment Inc	98.44
				Check Total:	779.53
35117	07/15/2013	General Fund	Professional Services	Epicenter Services LLC	4,422.67
				Check Total:	4,422.67
35118	07/15/2013	Surface Water Management Fund	NPDES Phase II	Environmental Science Center	5,460.00
				Check Total:	5,460.00
35119	07/15/2013	General Fund	Quarterly Newsletter	FedEx	14.07
				Check Total:	14.07
.35120	07/15/2013	Street Fund	Office And Operating Supplies	Ferrellgas LP	154.46
35120	07/15/2013	Street Fund	Office And Operating Supplies	Ferrellgas LP	144.79

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	299.25
35121	07/15/2013	General Fund	City Hall Custodial	Global Cleaning Inc	1,308.83
				Check Total:	1,308.83
35122	07/15/2013	General Fund	Parks Building Security	Guardian Security	65.00
				Check Total:	65.00
35123	07/15/2013	General Fund	Instructors Prof Svcs	Victoria E. Hamilton	483.00
35123	07/15/2013	General Fund	Instructors Prof Svcs	Victoria E. Hamilton	182.25
				Check Total:	665.25
35124	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	HD Fowler Company	1,007.62
				Check Total:	1,007.62
35125	07/15/2013	General Fund	Professional Services	Heartland LLC	14,998.97
				Check Total:	14,998.97
35126	07/15/2013	General Fund	Prof. Svcs-Instructors	Joshua Hughes	270.00
				Check Total:	270.00
35127	07/15/2013	General Fund	Professional Services	Ian McFeron Band LLC	500.00
				Check Total:	500.00
35128	07/15/2013	Street Fund	Office And Operating Supplies	ICON Materials	128.94
35128	07/15/2013	Street Fund	Office And Operating Supplies	ICON Materials	85.96
35128	07/15/2013	Street Fund	Office And Operating Supplies	ICON Materials	577.30
35128	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	ICON Materials	128.94
				Check Total:	921.14
35129	07/15/2013	Street Fund	Repairs & Maint. - Fleet	Independent Dealer Accessories	106.76
35129	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	Independent Dealer Accessories	106.77

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount	
					Check Total:	213.53
35130	07/15/2013	Surface Water Management Fund	Operating Rentals And Leases	RICOH USA Inc	3.44	
35130	07/15/2013	General Fund	Operating Rents & Leases	RICOH USA Inc	321.93	
35130	07/15/2013	Street Fund	Operating Rentals And Leases	RICOH USA Inc	3.44	
					Check Total:	328.81
35131	07/15/2013	General Fund	Miscellaneous	Ingallina's Box Lunch Inc	45.94	
35131	07/15/2013	General Fund	Miscellaneous	Ingallina's Box Lunch Inc	47.03	
					Check Total:	92.97
35132	07/15/2013	General Fund	Telephone	Integra Telecom	775.54	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	153.47	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	23.61	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	118.04	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	35.41	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	23.61	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	59.02	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	177.06	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	141.65	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	118.04	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	110.13	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	110.13	
35132	07/15/2013	General Fund	Telephone	Integra Telecom	110.25	
					Check Total:	1,955.96
35133	07/15/2013	Art in Public Places Fund	Works of Art	Blind Dogs Productions Ltd	2,683.07	
					Check Total:	2,683.07
35134	07/15/2013	General Fund	Prof. Svcs-Instructors	Moodette Ka'apana	50.00	
					Check Total:	50.00
35135	07/15/2013	General Fund	Miscellaneous	King County Recorder	77.00	
					Check Total:	77.00
35136	07/15/2013	General Fund	Strawberry Festival	King County Security Guards LL	790.00	

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	790.00
35137	07/15/2013	General Fund	Drug Seizure Proceeds KCSO	KC Sheriff Sgt R Crenshaw	2,403.00
				Check Total:	2,403.00
35138	07/15/2013	Surface Water Management Fund	Permits & Monitoring	King County Office of Finance	11,702.00
				Check Total:	11,702.00
35139	07/15/2013	General Fund	Instructors Prof Svcs	Keli Sim-DiRitis	60.00
				Check Total:	60.00
35140	07/15/2013	General Fund	Public Defender	Kirshenbaum & Goss, Inc., P.S	7,950.00
				Check Total:	7,950.00
35141	07/15/2013	General Fund	Instructors Prof Svcs	Lauren Laughlin	207.00
				Check Total:	207.00
35142	07/15/2013	General Fund	Prof. Svcs-Instructors	Lori Leberer	90.00
				Check Total:	90.00
35143	07/15/2013	General Fund	Instructors Prof Svcs	Yon Lemieux	320.00
				Check Total:	320.00
35144	07/15/2013	General Fund	Prof. Svcs-Instructors	Alexander Lewis	1,170.00
				Check Total:	1,170.00
35145	07/15/2013	General Fund	Prof. Svcs-Instructors	Anne Marie Littleton	140.00
				Check Total:	140.00
35146	07/15/2013	General Fund	Professional Services	Jessica Lynne	330.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	330.00
35147	07/15/2013	General Fund	Professional Services	Michael Anthony Pratt LLC	1,000.00
				Check Total:	1,000.00
35148	07/15/2013	Street Fund	Office And Operating Supplies	Masons Supply Company	420.44
35148	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	Masons Supply Company	420.44
				Check Total:	840.88
35149	07/15/2013	General Fund	Prof. Svcs-Instructors	Jacob Matthew	540.00
				Check Total:	540.00
35150	07/15/2013	General Fund	Instructors Prof Svcs	Hunter McGee	165.00
				Check Total:	165.00
35151	07/15/2013	Street Fund	Office And Operating Supplies	McLendon Hardware Inc	28.82
35151	07/15/2013	Street Fund	Office And Operating Supplies	McLendon Hardware Inc	50.95
35151	07/15/2013	Street Fund	Office And Operating Supplies	McLendon Hardware Inc	68.45
35151	07/15/2013	Surface Water Management Fund	Office And Operating Supplies	McLendon Hardware Inc	28.17
35151	07/15/2013	Street Fund	Special Event Clean up	McLendon Hardware Inc	364.34
				Check Total:	540.73
35152	07/15/2013	Street Fund	Dt Business License Svcs	Microflex Inc	3,846.72
35152	07/15/2013	General Fund	B&O Tax Collect & Audit	Microflex Inc	1,927.74
35152	07/15/2013	Street Fund	Dt Business License Svcs	Microflex Inc	2,318.57
35152	07/15/2013	General Fund	B&O Tax Collect & Audit	Microflex Inc	204.01
				Check Total:	8,297.04
35153	07/15/2013	General Fund	Nuisance and Abatement Costs	Miller Paint Company Inc	34.34
				Check Total:	34.34
35154	07/15/2013	General Fund	Instructors Prof Svcs	Shariana Mundi	1,144.00
				Check Total:	1,144.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
35155	07/15/2013	General Fund	Instructors Prof Svcs	Aaron Murray	40.00
Check Total:					40.00
35156	07/15/2013	Street Fund	Repairs & Maint. - Fleet	NC Machinery Co.	77.09
35156	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	NC Machinery Co.	77.09
Check Total:					154.18
35157	07/15/2013	General Fund	Computer Related Supplies	NetIG	310.14
Check Total:					310.14
35158	07/15/2013	General Fund	Instructors Prof Svcs	Drew Nicklas	189.00
Check Total:					189.00
35159	07/15/2013	General Fund	Prof. Svcs-Instructors	Pamela Odegard	180.00
Check Total:					180.00
35160	07/15/2013	Street Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	43.78
35160	07/15/2013	Street Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	9.17
35160	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	9.18
35160	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	90.67
35160	07/15/2013	Street Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	90.66
35160	07/15/2013	Street Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	47.35
35160	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	47.36
35160	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	17.68
35160	07/15/2013	Street Fund	Repairs & Maint. - Fleet	OReilly Auto Parts	17.67
Check Total:					373.52
35161	07/15/2013	General Fund	Operating Rents & Leases	Pacific Office Auotmation Inc	473.51
35161	07/15/2013	General Fund	Operating Rents & Leases	Pacific Office Auotmation Inc	339.31
Check Total:					812.82
35162	07/15/2013	General Fund	Strawberry Festival	Albert Parisi	2,100.00
35162	07/15/2013	General Fund	Strawberry Festival	Albert Parisi	2,100.00
Check Total:					4,200.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
35163	07/15/2013	Street Fund	Repairs & Maint. - Fleet	PIRTEK	355.38
35163	07/15/2013	Surface Water Management Fund	Repairs & Maint. - Fleet	PIRTEK	355.39
					Check Total: 710.77
35164	07/15/2013	Street Fund	Office And Operating Supplies	Pacific Industrial Supply	132.11
					Check Total: 132.11
35165	07/15/2013	General Fund	Summer Youth	PARA LOS NINOS	4,250.00
					Check Total: 4,250.00
35166	07/15/2013	General Fund	Printing/Binding/Copying	Print Place	367.65
					Check Total: 367.65
35167	07/15/2013	General Fund	Utilities	PSE Pmt. Processing	230.33
35167	07/15/2013	General Fund	Utilities	PSE Pmt. Processing	1,183.23
35167	07/15/2013	General Fund	Utilities	PSE Pmt. Processing	27.45
					Check Total: 1,441.01
35168	07/15/2013	General Fund	Rental Housing License Fee	Cambridge Square	100.00
					Check Total: 100.00
35169	07/15/2013	General Fund	Security/Performance Bond Payb	Paul Blinn	500.00
					Check Total: 500.00
35170	07/15/2013	General Fund	Refund Clearing Account -Parks	Tandya Hightower	142.00
					Check Total: 142.00
35171	07/15/2013	General Fund	Refund Clearing Account -Parks	Cesar Ponce Cobos	660.00
					Check Total: 660.00
35172	07/15/2013	General Fund	Admission and Entrance Fees	Ride The Ducks of Seattle	1,177.46

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount	
					Check Total:	1,177.46
35173	07/15/2013	General Fund	Advertising	Robinson Newspapers	85.00	
35173	07/15/2013	General Fund	Advertising	Robinson Newspapers	195.00	
35173	07/15/2013	General Fund	Advertising	Robinson Newspapers	185.00	
35173	07/15/2013	General Fund	Advertising	Robinson Newspapers	195.00	
					Check Total:	660.00
35174	07/15/2013	General Fund	Instructors Prof Svcs	George Rodriguez	150.00	
					Check Total:	150.00
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	84.62	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	20.97	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	301.31	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	132.30	
35175	07/15/2013	General Fund	CERT / Citizens Academy	Safeway Inc	66.81	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	9.74	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	13.12	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	130.48	
35175	07/15/2013	General Fund	CERT / Citizens Academy	Safeway Inc	26.32	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	29.73	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	47.88	
35175	07/15/2013	General Fund	Office and Operating Supplies	Safeway Inc	19.55	
					Check Total:	882.83
35176	07/15/2013	General Fund	Prof. Svcs-Instructors	Hani Schnaith	100.00	
					Check Total:	100.00
35177	07/15/2013	General Fund	Office and Operating Supplies	Seatown Locksmith	39.42	
35177	07/15/2013	General Fund	Office and Operating Supplies	Seatown Locksmith	87.60	
					Check Total:	127.02
35178	07/15/2013	General Fund	Nuisance and Abatement Costs	Sherwin-Williams Co.	39.57	
					Check Total:	39.57
35179	07/15/2013	General Fund	Office and Operating Supplies	STAPLES- Credit Plan	29.53	

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	29.53
35180	07/15/2013	General Fund	SW King Co. Chamber of Comm.	SWKC Chamber of Commerce	5,500.00
35180	07/15/2013	General Fund	SW King Co. Chamber of Comm.	SWKC Chamber of Commerce	5,500.00
				Check Total:	11,000.00
35181	07/15/2013	General Fund	Quarterly Newsletter	The Daily Herald Company	420.00
				Check Total:	420.00
35182	07/15/2013	General Fund	Professional Services	Tax Recovery Services, LLC	57,826.35
				Check Total:	57,826.35
35183	07/15/2013	Street Fund	Repairs And Maintenance	United Rentals America Inc	54.40
35183	07/15/2013	Surface Water Management Fund	Repairs And Maintenance	United Rentals America Inc	54.40
				Check Total:	108.80
35184	07/15/2013	General Fund	Operating Rentals and Leases	United Site Services	155.00
				Check Total:	155.00
35185	07/15/2013	Parks & Gen Gov't CIP	Construction	FAO, USAED, Seattle	3,900,000.00
				Check Total:	3,900,000.00
35186	07/15/2013	General Fund	Operating Rentals & Leases	Valley View Sewer District	1,030.00
				Check Total:	1,030.00
35187	07/15/2013	General Fund	Instructors Prof Svcs	Fred Vaughan	48.00
				Check Total:	48.00
35188	07/15/2013	Street Fund	Operating Rentals And Leases	Vermeer Northwest Sales Inc	2,297.40
				Check Total:	2,297.40
35189	07/15/2013	General Fund	Prof. Svcs-Instructors	Pamela Ann Videen	300.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	300.00
35190	07/15/2013	General Fund	Instructors Prof Srvs	Minh Huynh	351.00
				Check Total:	351.00
35191	07/15/2013	General Fund	Advertising/Legal Publications	WA Assn. of Building Officials	50.00
				Check Total:	50.00
35192	07/15/2013	General Fund	Prosecution - City Atty	Walls Law Firm	13,140.14
				Check Total:	13,140.14
35193	07/15/2013	General Fund	Prof. Svcs-Instructors	Carly Waterman	100.00
				Check Total:	100.00
35194	07/15/2013	General Fund	Prof. Svcs-Instructors	Laren Watson	72.00
				Check Total:	72.00
35195	07/15/2013	General Fund	Utilities	Water District No 20	50.15
35195	07/15/2013	General Fund	Utilities	Water District No 20	598.20
35195	07/15/2013	General Fund	Utilities	Water District No 20	67.78
35195	07/15/2013	General Fund	Utilities	Water District No 20	473.54
35195	07/15/2013	General Fund	Utilities	Water District No 20	39.50
35195	07/15/2013	General Fund	Utilities	Water District No 20	50.15
35195	07/15/2013	General Fund	Utilities	Water District No 20	39.50
35195	07/15/2013	General Fund	Utilities	Water District No 20	118.50
35195	07/15/2013	Street Fund	Landscape Maint - Utilities	Water District No 20	45.89
35195	07/15/2013	General Fund	Utilities	Water District No 20	59.26
35195	07/15/2013	General Fund	Utilities	Water District No 20	359.69
				Check Total:	1,902.16
35196	07/15/2013	General Fund	Probatn/Public Defndr Screenng	Tammy Weigel	840.00
				Check Total:	840.00
35197	07/15/2013	General Fund	Repairs And Maintenance	Wescom	87.60

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
					Check Total: 87.60
35198	07/15/2013	General Fund	Professional Services	Timothy Richard Wetmiller	800.00
					Check Total: 800.00
35199	07/15/2013	Transportation CIP	Construction Inspection	Washington State D.O.T.	31.99
					Check Total: 31.99
					Report Total: 4,457,297.13

DRAFT



CITY COUNCIL REGULAR MEETING MINUTES

July 1, 2013

6:00 p.m. - Special Meeting: Executive Session to discuss
real estate acquisition and litigation

6:15 p.m. – Planning Commission Interviews

7:00 p.m. – Regular Meeting

400 SW 152nd Street, 1st Floor
Burien, Washington 98166

To hear Council's full discussion of a specific topic or the complete meeting, the following resources are available:

- Watch the video-stream available on the City website, www.burienwa.gov
- Check out a DVD of the Council Meeting from the Burien Library

SPECIAL MEETINGS

Mayor Bennett called the Special Meetings of the Burien City Council to order at 6:00 p.m. for the purpose of holding an Executive Session to discuss real estate acquisition per RCW 42.30.110(1)(b) and litigation per RCW 42.30.110(1)(i), and at 6:15 p. m. for the purpose of conducting Planning Commission interviews.

Present: Mayor Brian Bennett, Deputy Mayor Lucy Krakowiak, Councilmembers Jack Block, Jr., Rose Clark, Bob Edgar, Joan McGilton and Gerald F. Robison.

Administrative staff present: Mike Martin, City Manager, Craig Knutson, City Attorney, and Dan Trimble, Economic Development Manager, were present for the Executive Session. Mike Martin, City Manager, and Chip Davis, Community Development Director were present for the Planning Commission interviews.

No action was taken.

The Special Meetings adjourned to the Regular Meeting at 6:50 p.m.

CALL TO ORDER

Mayor Bennett called the Regular Meeting of the Burien City Council to order at 7:00 p.m.

PLEDGE OF ALLEGIANCE

Mayor Bennett led the Pledge of Allegiance.

ROLL CALL

Present: Mayor Brian Bennett, Deputy Mayor Lucy Krakowiak, Councilmembers Jack Block, Jr., Rose Clark, Bob Edgar, Joan McGilton and Gerald F. Robison.



Administrative staff present: Mike Martin, City Manager; Craig Knutson, City Attorney; Dan Trimble, Economic Development Manager; Michael Lafreniere, Parks, Recreation and Cultural Services Director; Steve Roemer, Parks Development and Operations Manager; Chip Davis, Community Development Director; Angie Chaufy, Human Resources Manager; Nhan Nguyen, Management Analyst; and, Monica Lusk, City Clerk

AGENDA CONFIRMATION

Direction/Action

Motion was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton and passed unanimously to affirm the July 1, 2013, Agenda as amended to add Motion to Approve Settlement Agreement Regarding the New Cingular Wireless Utility Tax Refund Claim as Business Agenda Item 8 "i" and reorder the subsequent item.

PUBLIC COMMENT

Mara Mora-Villalpando, 5518 South Roxbury Street, #6, Seattle
Avaceli Hernandez, 317 17th Avenue South, Seattle
Roy Medina Pode, 4840 South Holden Street, Seattle
Pamela Staeheli, 11812 4th Avenue SW, Burien
Kelli Bassen, 120 SW 132nd Street, Burien
Robert Johnson, 13422 6th Avenue South, Burien
Goodspaceguy, 10219 Ninth Avenue South, Seattle
Dick West, 11006 Roseberg Avenue South, Burien
Rahwa Habte, 1438 South 120th Street, Burien
Maria Aruna, Burien
Zenia Javaleva, 8624 Delridge Way, Seattle
Quinton Thompson, 179 South 182nd Street, Burien
Evelyn Govea
Rosaria Lopez, Peoples Legal Collective, Burien
Ed Dacy, 2016 SW 146th Street, Burien
Kathy Barlow Beisheim, 12819 2nd Avenue South, Burien
Matt Haniey, Burien resident

CORRESPONDENCE FOR THE RECORD

- a. Email Dated June 11, 2013, from David Jung.
- b. Email Dated June 14, 2013, from Debi Wagner.
- c. Email Dated June 18, 2013, from R. DeLorm.
- d. Email Dated June 20, 2013, from Kersten Hubbard.

CONSENT AGENDA

- a. Approval of Check Register: Numbers 34959 - 35085 in the Amounts of \$1,016,819.50 for Payment on July 1, 2013, and Payroll Salaries and Benefits Numbers 5802 - 5820 for Direct Deposits and Wire Transfers in the Amount of \$219,762.90 for June 1 – June 15, Paid on June 20, 2013.
- b. Approval of Minutes: Regular Meeting, June 17, 2013.

Direction/Action

Motion was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton, and passed unanimously to approve the July 1, 2013, Consent Agenda.

Direction/Action

Councilmembers agreed to move Proclamation Supporting National Comprehensive Immigration Reform to Business Agenda Item 8 "a" and reorder the subsequent item.

BUSINESS AGENDA

Proclamation Supporting National Comprehensive Immigration Reform

Mayor Bennett read the proclamation and presented it to Evelyn Govea, a 10 year old Burien resident.

Direction/Action

Motion was made by Councilmember Block, seconded by Councilmember McGilton, and passed unanimously to support a proclamation supporting National Comprehensive Immigration Reform.

Michael Lafreniere, Parks, Recreation and Cultural Services Director, announced that \$9.6 million has been secured for the Seahurst Park North Seawall Removal and Beach Restoration Project. The Park will close to the public after Labor Day on September 3, 2013 through April 2014. An update on the project will be scheduled on the August 5, 2013 Council Agenda.

Motion to Approve Appointment to the Planning Commission

Direction/Action

Motion was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton, to appoint Butch Henderson to Planning Commission Position 4 for a term that will begin on July 1, 2013, and expire on March 31, 2014. **Motion** passed 5-2. Opposed, Deputy Mayor Krakowiak and Councilmember Edgar.

Public Hearing and Discussion on the Development Agreement for Miller Creek Court

Mayor Bennett opened the public hearing at 8:07 p.m.

Goodspaceguy, 10219 Ninth Avenue South, Seattle
John MacLean, 110 North 115th Street, Ste. 105, Seattle

There being no further testimony, Mayor Bennett closed the public hearing at 8:12 p.m.

Direction/Action

Councilmembers requested placing Resolution No. 346, approving the proposed Development Agreement for Miller Creek Court on the July 15, 2013 Business Agenda for consideration.

Discussion on F Line Fiber Sharing Agreements with King County

Direction/Action

Councilmembers requested placing the F Line Fiber Sharing Agreements with King County on the July 15, 2013 Consent Agenda for approval.

City Manager Succession

Direction/Action

MOTION was made by Councilmember Block, seconded by Councilmember McGilton and passed unanimously to appoint City Attorney Craig Knutson to provide Interim City Manager services for 10 percent increase as compensation effective July 25, 2013.

Follow-up

Staff will provide the Interim City Manager cost factors and backfill assistance during the mid-biennial budget update discussion.

Direction/Action

Councilmembers requested staff to issue a Request for Proposal (RFP) for an executive search firm to conduct a national selection process for a permanent City Manager with the final selection to be made by the next City Council.

Follow-up

Staff will provide a revised comparable cities list for benefit and salary comparisons in the future City Manager succession process packet.

Discussion on and Possible Motion to Approve Development of an Off-Leash Dog Area in Lakeview Park and Amendment to Lease of Lakeview Park

Direction/Action

MOTION was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton and passed unanimously to approve development of an off-leash dog area in Lakeview Park and to authorize the City Manager to sign an amendment to the property lease with Highline School District.

Follow-up

Staff will schedule in October 2013 a discussion on the budget, phasing process and a key card entry process to include who would be responsible for the screening.

Introduce and Discuss Potential Purchase of Former Sunny Terrace Elementary School Property from Highline School District

Direction/Action

Councilmembers requested placing the purchase and sale agreement for the former Sunny Terrace Elementary School property from the Highline School District on the July 15, 2013, Business Agenda for consideration.

Follow-up

Staff will provide a historical update on the Northeast Redevelopment Area (NERA) and confirm that the Zoning Code states the foot print for commercial businesses is limited to 50,000 square feet.

Discussion of Modification to Burien CARES Contract

Direction/Action

Councilmembers requested placing Burien CARES Contract Amendment No. 3 on the July 15, 2013 Consent Agenda for adoption as amended to add "after picking up dead domestic animals" in Section 20 after "The Contractor will take the following actions."

Motion to Approve Settlement Agreement Regarding the New Cingular Wireless Utility Tax Refund Claim

Direction/Action

MOTION was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton and passed unanimously to approve the New Cingular Wireless Settlement Agreement and authorize the City Manager to sign the agreement.

City Manager's Report

In response to Deputy Mayor Krakowiak's inquiry regarding a meeting held on June 27, 2013, with the City of Burien, City of Seattle and King County, City Manager Martin stated the stakeholders agencies have been discussing how to move forward annexation in the North Highline area at which no solution was reached and agreement was reached to revisit after the November elections.

Councilmember Clark reported on the ribbon cutting ceremony for the Walk/Bike Burien (WABI) installed bike racks which she attended.

Councilmember Block reported on the 2013 Association of Washington Cities (AWC) Annual Conference on June 25-28, 2013 which he attended.

COUNCIL BUSINESS

Councilmember Clark and Deputy Mayor Krakowiak reported on the meeting of arts and culture nonprofit leaders to plan for a potential arts facility in Downtown Burien which they attended on June 29, 2013.

Councilmember Clark reported on the Burien Wellness meeting she attended on June 20, 2013.

ADJOURNMENT

Direction/Action

MOTION was made by Deputy Mayor Krakowiak, seconded by Councilmember McGilton and passed unanimously to adjourn the meeting at 9:43 p.m.

Brian Bennett, Mayor

Monica Lusk, City Clerk

**AGREEMENT ON THE DESIGN, CONSTRUCTION, OWNERSHIP, AND MAINTENANCE OF
THE F LINE RAPIDRIDE FIBER OPTIC PROJECT**

Between

KING COUNTY

CITY OF BURIEN

CITY OF SEATAC

CITY OF TUKWILA

CITY OF RENTON

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I. RECITALS

This AGREEMENT is made by and between the City of Burien, the City of SeaTac, the City of Tukwila, the City of Renton, and King County, hereinafter referred to as the "Participating Agencies."

WHEREAS, the key elements of bus rapid transit include new, low-floor, hybrid diesel-electric buses; improved frequency of bus service; improved traffic operations; and transit stations with real-time passenger information signs; and

WHEREAS, King County's bus rapid transit program has now been named RapidRide; and

WHEREAS, the Participating Agencies are interested in advancing the implementation of this program; and

WHEREAS, the approved King County transit capital program includes funding to support the investments in traffic signal systems and communication necessary to implement RapidRide; and

WHEREAS, King County plans to construct a fiber optic network between the Burien Transit Center, Tukwila International Link Light Rail Station, Tukwila Transit Center, Tukwila Commuter Rail Station, Renton Transit Center and Renton Landing for the purpose of providing the communication infrastructure to support capital improvements such as real-time passenger information signs and transit signal priority elements of RapidRide; and

WHEREAS, King County plans to install a sufficient number of fiber optic cables to meet the County's needs as well as additional fiber optic cable to support the fiber communication needs of the Participating Agencies; and

WHEREAS, the City of Burien, the City of SeaTac, the City of Tukwila, and the City of Renton have conduit path available that can serve all the Participating Agencies; and

WHEREAS, mutually beneficial contractual arrangements with other public entities that leverage public funds to provide both new and better bus service to cities and major employers is one of four key strategies identified in the Transit Now proposition approved by King County voters in the general election on November 7, 2006;

NOW THEREFORE IN CONSIDERATION OF THE MUTUAL PROMISES, COVENANTS AND AGREEMENTS SET FORTH HEREIN, AND FOR OTHER GOOD AND VALUABLE CONSIDERATIONS, THE SUFFICIENCY OF WHICH IS HEREBY ACKNOWLEDGED BY THE PARTICIPATING AGENCIES, THE PARTICIPAING AGENCIES AGREE AS FOLLOWS:

II. PURPOSE OF AGREEMENT

This Agreement defines how the Participating Agencies will work together for the benefit of all the Participating Agencies in implementing the F Line RapidRide Fiber Optic Project. This document also outlines the roles and responsibilities of all the Participating Agencies with respect to the design, use, maintenance, and financing of the fiber cables during the term of the Agreement.

III. DEFINITIONS

Whenever used in this Agreement with initial letters capitalized, the following terms shall have the following specified meanings, unless the context clearly requires a different meaning:

- A. **Acceptance or Accepted**
Written documentation of King County's determination that the contractor's work has been completed in accordance with the contract.
- B. **Agreement**
Refers to this document, *Agreement on the Design, Construction, Ownership, and Maintenance of the F Line Fiber Optic Project*.
- C. **Building Entrance**
Conduit or conduits usually connecting a vault, Handhole, or maintenance hole in the public right-of-way to a building.
- D. **Common Fiber Spares**
Fiber Strands installed as part of the Fiber Optic Project held in reserve solely for replacement of disabled fibers.
- E. **Conduit or Duct**
Enclosed raceway or tube designed to house Fiber Strands for their protection.
- F. **Dark Fiber**
An optical fiber strand not coupled to an optical light source.
- G. **Day**
Calendar day.
- H. **Demarcation Point**
A point agreed to between the Facility Owner and the County that documents where one party's responsibilities end and the other's begins.
- I. **Facility or Facilities**
A structure including but not limited to buildings, vaults, maintenance holes, Handholes, Conduit, and Building Entrances.
- J. **Facility Manager**
The person designated by the Facility Owner to manage the Facility, including granting access and determining and approving its use and terms and conditions for such use.
- K. **Facility Owner**
The Participating Agency that is the legal owner of a Facility or Facilities or the Participating Agency holding the legal right to grant permission to occupy, use, or modify Facilities.
- L. **Fiber Optic Cable**
A cable installed by the Participating Agencies pursuant to this Agreement that is composed of strands of glass fiber, each strand of which is designed to conduct signals of modulated light (optical signals) from one end to the other.
- M. **Fiber Optic Project**
The activities associated with the installation of fiber optic transmission materials, pursuant to this Agreement.

- N. **Fiber Strand or Strand of Fiber**
A single, thin, transparent fiber of glass enclosed by a material of a lower index of refraction that reflects light throughout its length by internal reflections.
- O. **Handhole**
An underground structure (usually concrete) providing an opening in a Conduit that workers may reach into but usually do not enter for the purposes of installation and maintenance of cable.
- P. **Indirect Costs**
Indirect Costs are costs determined in accordance with a Participating Agency's standard methodology for computing Indirect Costs. Indirect Costs shall include costs of labor, benefits, equipment usage, miscellaneous materials, material handling, and administrative and general charges. This definition also applies to Facility Owner Indirect Costs.
- Q. **ITS**
Intelligent Transportation System.
- R. **Lead Agency**
The Participating Agency designated by mutual consent that is responsible for managing the Work related to the Fiber Optic Project, including entering into contracts for design and construction, overseeing the construction work, and assuming responsibility for ongoing maintenance of the completed Fiber Optic Project on behalf of the Participating Agencies. King County is designated as the Lead Agency for this Agreement.
- S. **Make-Ready Work**
Any planning, analysis, design, review, adjustment to equipment, construction, and/or other activities (such as tree trimming) necessary to prepare existing Facilities for use by the Lead Agency as determined by the Facility Owner.
- T. **Participating Agency**
A public agency that is a signatory to this Agreement for the purpose of engaging in the Fiber Optic Project.
- U. **Participating Agency Facilities**
Those Facilities owned, managed, and occupied by a Participating Agency.
- V. **Pathway**
Aerial or underground Facilities used for the purpose of placing fiber optic cables, splice cases, trace wire, etc.
- W. **Splice**
The point where two separate optical Fiber Strands are joined together either mechanically or by fusion to make one continuous optical fiber strand.
- X. **Telecommunications Service(s)**
Telecommunications Service(s) is the transmission of information over Fiber Strands from one location to another (not including services provided between two areas within the same building) meeting industry-accepted transmission standards, their equivalent or replacement

service. Such information includes but is not limited to voice, video, data, pictures, and facsimile. Telecommunications Service(s) does not include Dark Fiber or services other than transmission services.

Y. Work

All activities related to the planning, right-of-way acquisition, scheduling, analysis, design, engineering, preparation, construction, installation, evaluation, maintenance, repair, and operation of the Fiber Optic Project as provided for in this Agreement, including Make-Ready Work.

IV. FIBER OPTIC PROJECT BACKGROUND

King County, hereinafter referred to as the "County," will deploy F Line RapidRide, a bus rapid transit (BRT) service, between the City of Burien, the City of SeaTac, the City of Tukwila, and the City of Renton. RapidRide is a premium transit service with increased frequency, reduced travel time, and enhanced passenger amenities.

Two key elements of RapidRide service are real-time information signs at selected bus stop locations and transit signal priority at selected intersections throughout the corridor. To support these features, the County is developing a network for transporting data from its central communication system to the roadside, and for communicating wirelessly along the roadside with real-time information signs, fare transaction processors, and buses. The roadside network will consist of a fiber optic cable, secure wireless access points at intersections, and backhaul services provided through the King County WAN and the Washington State Department of Transportation (WSDOT) regional network.

The Fiber Optic Project will install a large-capacity fiber optic cable along the F Line RapidRide corridor as shown in Attachment 1 using existing traffic signal, fiber optic, and illumination conduit along the corridor. This cable will run from the Burien Transit Center to the SW 7th St/Rainier Ave South in Renton and provide backhaul connections with the King County WAN at the Burien Transit Center and King County Transvalley corridor, as well as backhaul connections with WSDOT at the regional hub at State Route 518/SR 99 and at Renton City Hall. The Fiber Optic Project will include sufficient fiber strands to support the County's RapidRide ITS communications, local agency communications, and interagency communications.

V. SCOPE OF WORK

A. OVERVIEW

The Fiber Optic Project will install a trunk fiber optic cable between SW 150th St/4th Avenue SW in Burien and S 7th St/Rainier Ave S in Renton. The fiber optic trunk cable will be a minimum of 48-strands and a maximum of 288-strands of singlemode fiber optic cable. The trunk cable will be installed on 4th Ave SW, S 156th St/S 154th St/Southcenter Blvd/Grady Way, Powell Ave SW, S 7th St, S 3rd ST, Burnett Ave S, S 2nd St. In locations where the RapidRide route does not coincide with the fiber optic trunk pathway, 24-strand fiber lateral cables will be installed to provide communications to the RapidRide ITS cabinets. A fiber routing schematic is provided as Attachment 1, *F Line Fiber Route Schematic*.

Between the SW 150th St/4th Ave S (Burien) and Southcenter Blvd/62nd Ave S (Tukwila), the Fiber Optic Project will install a 72-strand fiber optic trunk cable. A 72-strand fiber trunk will also be installed on West Valley Highway (SR 181) between Grady Way and Strander Blvd. The fiber cable is sized to support future communication capacity for use by the local

agencies for public purposes such as video surveillance, traffic signal communications, and city-to-city communications. The distribution of fiber is as follows:

County RapidRide ITS communications	24 strands
Local agency communications	24 strands
Interagency communications	24 strands
Total	72 strands

Between Southcenter Blvd/62nd Ave S and West Valley Highway (SR 181)/Grady Way, the Fiber Optic Project will install a 144-strand fiber optic trunk cable. The fiber cable is sized to provide continuity of the 72-strand fiber trunk from its terminus at Southcenter Blvd/62nd Ave S to West Valley Highway (SR 181)/Grady Way, while also providing additional 72-strands dedicated to the City of Tukwila without requiring the installation of two separate fiber cables within the same conduit pathway. The distribution of the fiber is as follows:

County RapidRide ITS communications	24 strands
City of Tukwila communications	96 strands
Interagency communications	24 strands
Total	144 strands

Between West Valley Highway (SR 181)/Grady Way and SW 7th St/Rainier Ave S, the Fiber Optic Project will install a 288-strand fiber optic trunk cable. The fiber cable is sized to provide continuity of the 72-strand fiber trunk, while also providing 216-strands of additional fiber for the Community Connectivity Consortium without requiring the installation of two separate fiber cables within the same conduit pathway. A separate agreement between King County and the Community Connectivity Consortium will be executed for the 216-strands of additional fiber. The remaining 72 strands of fiber optic cable constitute this segment of the Fiber Optic Project. The distribution of the fiber is as follows:

County RapidRide ITS communications	24 strands
Local agency communications	24 strands
Interagency communications	24 strands
Total	72 strands

In downtown Renton on S 3rd St and S 2nd St between Rainier Ave S and Burnett Ave S and on Burnett Ave S between S 3rd St and S 2nd St, the Fiber Optic Project will install a 48-strand fiber trunk. The fiber cable is sized to support RapidRide communication and future communication capacity for use by the City of Renton for public purposes such as, traffic signal communications, and video surveillance. The distribution of fiber is as follows:

County RapidRide ITS communications	24 strands
City of Renton communications	24 strands
Total	48 strands

The Fiber Optic Project will install 24-strand fiber optic lateral cables on the following roadway segments:

- Tukwila Parkway between Andover Park W and Andover Park E
- Baker Blvd between Andover Park W and Andover Park E
- Strander Blvd between Andover Park W and W Valley Highway (SR 181)
- Longacres Way between W Valley Highway (SR 181) and Tukwila Commuter Rail Station
- Tukwila Commuter Rail Station between Longacres Way and SW 27th St Extension
- SW 27th St between Tukwila Commuter Rail Station and Oakesdale Ave SW
- Oakesdale Ave SW between SW 27th St and Grady Way
- Lind Ave SW between SW 16th St and S 7th St

The fiber optic lateral cables are sized to provide 24-strands of fiber for King County Metro RapidRide communications.

The Fiber Optic Project includes funding for the design, installation, and construction of local agency and interagency communication fiber. The local agency communication fiber will be owned by the local jurisdiction in which this fiber is installed. The interagency communication fiber will run the length of the F Line RapidRide corridor between the Burien and Renton Transit Centers. The Community Connectivity Consortium (CCC) shall reimburse the County for its portion of the fiber cable and shall assume ownership of the 216 strands dedicated to the CCC upon payment to the County.

The elements of the Fiber Optic Project are provided in Attachment 2, *Project Elements: F Line RapidRide Fiber Optic Project*.

The construction budget for the Fiber Optic Project is provided in Attachment 3, *Fiber Optic Project Cost Estimate*.

B. DESIGN APPROACH FOR THE COUNTY FIBER

The County RapidRide fiber will be installed with multiple channels along the project corridor. The channels will be established using the fiber optic strands allocated to King County Metro RapidRide and will be structured to provide connections to multiple backhaul locations on the corridor.

C. DESIGN APPROACH FOR LOCAL AGENCY FIBER

The local agency fiber will be installed with multiple channels, one for each City along the F Line corridor.

For the City of Burien, fibers 25 to 30 will be terminated into each traffic signal controller cabinet along the F Line RapidRide corridor (6-in, 6-out). One pair of terminated fibers shall transmit the traffic signal interconnect to each of the traffic signal controllers in Burien along the F Line corridor and two pairs will be terminated into each traffic signal cabinet for future use. A fourth pair of fiber will be used to pass the interconnect data from the termination cabinet at SW 153rd St/4th Ave SW to the backhaul point at the Burien Transit Center. All local agency fibers within the City of Burien shall be spliced so that no City data shall pass further east than 1st Ave SW on the local agency fibers.

For the City of SeaTac, fibers 25 to 30 will be terminated into each traffic signal controller cabinet along the F Line RapidRide corridor (6-in, 6-out). One pair of terminated fibers shall transmit the traffic signal interconnect from backhaul connection at the WSDOT minihub at SR 518/SR 99 to each of the traffic signal controllers along the F Line corridor and two pairs

will be terminated into each traffic signal cabinet for future use. A fourth pair of fiber will be terminated only at the WSDOT minihub and at S 156th St/Des Moines Memorial Drive to pass the interconnect data back from the signal controllers to the backhaul point at the WSDOT minihub at SR 518/SR99. All local agency fibers within the City of SeaTac shall be spliced so that no City data shall pass beyond the City's jurisdiction at S 156th St/Des Moines Memorial Drive and S 154th St/24th Ave S on the local agency fibers.

For the City of Tukwila, no fibers will be terminated in the City's traffic signal controller cabinets. The local agency fiber shall be terminated only at the backhaul connection points at the WSDOT minihub at SR 518/SR99 and at the termination cabinet at Southcenter Blvd/62nd Ave S and at Interurban Avenue/Grady Way. All local agency fibers within the City of Tukwila shall be spliced so that no future City data shall pass beyond the city's jurisdiction at Southcenter Blvd/TIBS and Interurban Ave/Grady Way on local agency fiber.

For the City of Renton, no fibers will be terminated in the City's traffic signal controller cabinets. The local agency fiber shall be terminated only at the backhaul connection points at Interurban Avenue/Grady Way and at Rainier Ave S/S 7th St. All local agency fibers within the City of Renton shall be spliced so that no future City data shall pass beyond the city's jurisdiction at Grady Way/Oakesdale Ave SW and Renton City Hall on local agency fiber.

D. DESIGN APPROACH FOR INTERAGENCY FIBER

All 24 fiber stands (49-72) will terminate in the termination cabinets at 4th Ave SW/SW 153rd St, SR 518/SR 99, Southcenter Blvd/62nd Ave S, Southcenter Blvd/Grady Way, and Rainier Ave S/S 7th St.

E. LOCAL AGENCY FIBER DEDICATED TO F LINE RAPIDRIDE

The City of Renton will install 96-strand singlemode fiber optic trunk cable on Rainier Avenue S as a part of the Rainier Ave S improvement project. The City of Renton shall dedicate 24-strands of the Rainier Ave S trunk cable to King County Metro F Line RapidRide communication. Additionally, the City shall dedicate 8 strands of existing fiber optic cable from S 3rd St/Wells Ave S to each of the RapidRide intersections north of S 2nd St for the extension of the F Line RapidRide route to the Landing. The City of Renton shall also dedicate 2-strands of existing fiber from Rainier Ave S/S 7th St to Renton City Hall to provide for F Line backhaul via the WSDOT Traffic Buster network and 2-strands of existing fiber from Rainier Ave S/S 7th St to S 180th St/Oakesdale Ave S to provide a backhaul connection for the F Line via the King County Transvalley fiber.

The City of Tukwila shall also dedicate 2-strands of existing fiber optic cable from Strander Blvd/Andover Park W to S 180th St/Southcenter Parkway to provide a backhaul connection for the F Line via the King County Transvalley fiber.

VI. RELATIONSHIPS AMONG PARTICIPATING AGENCIES

A. PRINCIPLES

This Agreement among the Participating Agencies shall conform to the following principles:

1. Participation in the Fiber Optic Project is voluntary.
2. Arrangements for cooperation should be fair and equitable among Participating Agencies. Any special configuration, such as a routing change to accommodate a particular Participating Agency, should be paid for in whole by that Participating Agency.

3. Participating Agencies may have varying amounts of financial and other responsibilities. Participating Agencies should share maintenance proportionately based on each Participating Agency's share of ownership or use of the Fiber Strands as described in the Agreement.
4. In consideration of the perpetual right to use Participating Agencies' conduit, the County will at its own cost design, install, and dedicate fiber optic cables to the Participating Agencies for their ownership and use.

B. CHANGES

Participating Agencies shall have the right to propose changes to the Fiber Optic Project, which must be approved by all Participating Agencies. Changes that impact Facility Owners shall be subject to approval by the Facility Owners.

C. ALLOCATION AND OWNERSHIP OF FIBER OPTIC CABLE

Fiber Optic Cable and Fiber Strands installed as part of the Fiber Optic Project shall be allocated to the individual Participating Agencies. The Participating Agency shall own all right and title to these allocated Fiber Strands. The ownership of the elements of the Fiber Optic Project is identified in Attachment 5, *Ownership and Maintenance Responsibilities of the Fiber Optic Project Elements*.

D. USE OF FIBERS

A Participating Agency shall have completely free and unrestricted use of the Fiber Strands installed and allocated to it under the Fiber Optic Project Agreement for any lawful government, public education, intergovernment, or public utility purpose subject to applicable agreements, approvals, permission, and permits. Such right to use shall be for the duration of the Agreement and for any renewals by the Participating Agencies unless terminated under the terms and conditions provided herein.

F. TRANSFER OF FIBERS

Participating Agencies shall not assign the use or otherwise convey the use of any of the Participating Agency's fibers as identified in the Agreement to any other party except to government, public education, or public utility entities.

Participating Agencies who wish to transfer their allocated fibers must obtain written and unanimous approval from all Participating Agencies. Participating Agencies are also granted right of first refusal regardless of the circumstances of the transfer.

G. PARTICIPATING AGENCIES' RIGHT OF FIRST REFUSAL

Before any allocated fibers held by a Participating Agency may be transferred, the other Participating Agencies, either individually or collectively, shall have a right of first refusal to accept the transfer of the fibers on the terms and conditions set forth in this section.

- (a) Notice of Proposed Transfer. The transferring Participating Agency shall deliver to all Participating Agencies a written notice stating: (i) the bona fide intention to transfer such allocated fibers; (ii) the name of each proposed transferee; (iii) the number of fibers to be transferred to each proposed transferee; (iv) the consideration for which the Participating Agency proposes to transfer the allocated fibers and the material terms and conditions of the proposed transfer (the "Offered Terms"); and (v) an offer to sell the allocated fibers at the Offered Terms to the other Participating Agencies.

- (b) Exercise of Right of First Refusal. At any time within sixty (60) days after receipt of the notice, the other Participating Agencies, either individually or collectively, may, by giving written notice to the transferring Participating Agency, elect to accept all, but not less than all, of the allocated fibers proposed to be transferred to any one or more of the proposed transferees.
- (c) Any government, public education, or public utility entity accepting the transfer of fibers installed under this Agreement must agree to all the terms and conditions of this Agreement, and shall notify the Facility Owner(s) of any such transfer.
- (d) Participating Agencies may grant the right to use their fiber allocation to any other government, public education, or public utility entity provided the use is approved by all of the other Participating Agencies.

H. FUTURE USE OF FIBER OPTIC CABLE ALREADY OWNED BY INDIVIDUAL PUBLIC AGENCIES

Nothing in this Agreement precludes Participating Agencies from entering into separate agreements with other Participating Agencies to use fiber optic cable other than the Fiber Optic Cable installed pursuant to this Agreement.

I. CONTACT PERSONS AND ADDRESSES

The contact persons for the administration of this Agreement are as follows:

King County:
 John Toone, ITS Program Manager
 King County Department of
 Transportation
 201 S Jackson St
 Seattle, WA 98104

City of SeaTac:
 Florendo Cabudol, City Engineer
 City of SeaTac
 4800 S 188th St
 SeaTac, WA 98188

City of Burien:
 Brian Victor, City Engineer
 400 SW 152nd St, Suite 300
 Burien, WA98166

City of Renton:
 Ron Hansen, Network Systems
 Manager Finance and IT
 1055 S Grady Way
 Renton, WA 98057-3232

City of Tukwila:
 Cyndy Knighton, City Engineer
 6300 Southcenter Blvd, Suite 100
 Tukwila, WA 98118-8548

Community Connectivity Consortium:
 George McBride, Consultant (GM2)

VII. THE COUNTY RESPONSIBILITIES AS LEAD AGENCY

A. GENERAL RESPONSIBILITY OF THE COUNTY AS LEAD AGENCY

The County shall be responsible for the overall management of the Work necessary for the successful completion of the Fiber Optic Project, as the agent of the Participating Agencies in the Fiber Optic Project, pursuant to the terms and conditions of this Agreement. The County shall have the authority and the responsibility for negotiating and entering into such separate contracts with Facility Owners as are necessary for the specific use of their Facilities in furtherance of the Fiber Optic Project. The County will also have the authority to enter into and manage such separate contract agreements with contractors as are necessary to perform all or part of the Work associated with the Fiber Optic Project.

The County is responsible for ensuring that all applicable terms and conditions of this Agreement are included in the contracts with Facility Owners and contractors. Prior to execution of any contracts with Facility Owners or contractors, the County shall provide an opportunity for the Participating Agencies to review and comment on such agreements. In the event there is a dispute regarding any of the provisions or lack of provisions in this Agreement, such dispute shall be resolved through the Dispute Resolution process identified in this Agreement.

The County shall keep the Participating Agencies informed as to the status of the Fiber Optic Project.

B. AGREEMENTS, APPROVALS, PERMISSIONS, AND PERMITS

The County shall be responsible for obtaining all necessary agreements, approvals, permissions, and permits and any other documents required or necessary for the successful completion of the Fiber Optic Project and for keeping them in place and current.

C. NOTICE OF INSTALLATION AND TESTING

The County shall notify the Participating Agencies when initial installation of the Fiber Optic Cable and the Acceptance testing of all the Fiber Strands have been completed.

D. MAINTENANCE AND REPAIR RESPONSIBILITIES

1. Maintenance and Repair of Fiber Optic Cable, Fiber Strands, and Pathway

Maintenance of the 72-strand, 144-strand, and 288-strand trunk Fiber Optic Cable and trunk Fiber Strands installed pursuant to this Agreement, as well as the Pathways between and including the Demarcation Points, shall be the responsibility of the County as agent for the Participating Agencies.

For this Agreement, the Demarcation Points are the 25TA fiber vaults. A schematic of the typical fiber optic components is provided as Attachment 4, *Schematic of Typical RapidRide Fiber Optic Components*.

Maintenance of Fiber Optic Lateral Cables and Fiber Strands installed from the 25TA fiber vaults to the Participating Agencies' equipment shall be the responsibility of the Participating Agency that owns the equipment to which the lateral cable is connected.

The 25TA fiber vaults installed by the F Line RapidRide ITS project and the RapidRide ITS cabinets shall be the responsibility of the County.

County maintenance responsibility shall continue for the term of this Agreement and for any extensions or renewals.

A summary of the maintenance responsibilities for the elements of the Fiber Optic Project is provided as Attachment 5, *Ownership and Maintenance Responsibilities of Fiber Optic Project Elements*.

In instances where service to any of the Participating Agencies has been interrupted on the County side of the Demarcation Point, the County, at the Participating Agencies' request, will repair the Fiber Optic Cable as soon as possible provided that all necessary permissions to effect the repairs have been obtained from the Facility Owner(s).

Restoration of traffic control and public safety services shall be given the highest priority. In the event of an outage, the Participating Agencies shall work promptly to restore the functionality of the Fiber Optic Cable as soon as possible and practical after restoration of

any other necessary services. The Participating Agencies shall not cut or otherwise damage Fiber Optic Cable unless absolutely necessary for the safe and prompt restoration of traffic control and public safety services.

2. Maintenance and Repair Expenses

The Participating Agencies shall be responsible for the expense of maintenance and repair of the Fiber Optic Cable and Fiber Strands for the duration of this Agreement on a proportional basis as identified in Attachment 5, *Ownership and Maintenance Responsibilities of Fiber Optic Project Elements*. When repairs are required as a result of damage caused by a third party, the Participating Agency in whose jurisdiction the damage occurred shall seek payment from the third party for the cost of the repair. The County shall assign a designated maintenance manager who shall review ongoing maintenance expenses with Participating Agencies as reasonably requested, but at least on an annual basis.

The County may contract with a vendor capable of making any necessary repairs. The contract shall provide for around-the-clock service, defined response times, and supply guarantees.

3. Payments for Maintenance and Repair Expenses

Participating Agencies shall pay all amounts owed to the County within 30 Days of receipt of the billing. If a Participating Agency disputes all or a part of the payment owed to the County, then such dispute shall be resolved through the dispute resolution process identified in this Agreement.

If a Participating Agency cannot or does not make payment for charges owed within 90 Days, the Participating Agency shall be given written notice to correct the default. The Participating Agency shall have 90 Days, or such longer time after receipt of notice as the County may authorize in writing, to make payment.

If the Participating Agency and the County still cannot reach agreement on amounts owed, the dispute shall be resolved through the dispute resolution process identified in this Agreement.

E. COUNTY NONCOMPLIANCE

The County shall adhere to the terms, conditions, and requirements of the Work as provided in this Agreement, and the required record keeping as required in this Agreement. Where there has been gross negligence or willful misconduct on the part of the County, and additional Work is necessary to conform the Work to the requirements of this Agreement, it shall be at the expense of the County.

F. AUDIT

The County shall permit Participating Agencies, or their designated agent(s), from time to time (including up to six years after the expiration or termination of this Agreement) to inspect and audit all pertinent books and records of the County, contractors, subcontractors, or any other person or entity in connection with or related to the Fiber Optic Project with respect to the services provided, costs, and the compensation paid. Such audit shall occur at such reasonable times and at such reasonable location(s) as mutually agreed to by the Participating Agencies and the County.

VIII. FACILITY OWNER RIGHTS AND RESPONSIBILITIES

A. PRINCIPLES FOR USE OF PARTICIPATING AGENCY FACILITIES

Use of Facilities owned by a Participating Agency shall comply with all requirements of the Participating Agency that owns them. A Facility shall be designed and constructed to maximize the reasonable, additional future use of such Facility. The general project costs shall include all fees and charges for the use of the Facility.

This Agreement shall not be construed to authorize any Participating Agency to make use of any other Participating Agency's Facilities unless such use is specifically authorized by the Participating Agency in its capacity as a Facility Owner. The Facility Owner has final approval of planning, engineering, design, material, and maintenance for all portions of the Fiber Optic Project on or within its Facilities.

B. APPROVALS

All contractors hired by the County to work within or on Facilities shall be subject to approval by Facility Owner(s). In all agreements with contractors, the Facility Owner(s) may require the County to specify that the contractors attend one or more pre-construction meetings with the appropriate Participating Agencies and Facility Owners to review installation requirements for the Work and any restrictions or other requirements that must be adhered to prior to any Work being performed in or on Facilities. The contractor agreement shall state that the Facility Owner or the Participating Agency has authority to stop inadequate or unsafe Work, or to require that inadequate or unsafe Work be corrected as provided for in this Agreement.

C. ACKNOWLEDGMENT AND ACCEPTANCE OF RISKS

In choosing to co-locate components of the Fiber Optic Project in Facilities, the Participating Agencies acknowledge that there are risks associated with having components of the Fiber Optic Project co-located within any such Facility. Participating Agencies explicitly understand that risks include bearing all costs, except such costs caused by the gross negligence or willful misconduct of the Facility Owner, including but not limited to: provision of alternative communication paths needed by the Participating Agencies, loss of Participating Agency business, and restoration of their fiber systems if they are damaged.

D. ACCESS TO AND USE OF FACILITIES

The County shall obtain access to and use of Facilities from Facility Owners for the purpose of installing, maintaining, and repairing components of the Fiber Optic Project, including all agreements, approvals, permissions, and permits required. Such access shall be subject to Facility availability as determined by the Facility Manager and any conditions specified by the Facility Owner.

1. Permission to Enter

Access to Facilities shall be allowed only after the Facility Owner has been notified and permission has been granted by the Facility Owner.

2. Requests for Access

All requests for access to Facilities must be made through the appropriate Facility Manager in writing, and shall be subject to the terms and conditions of this Agreement.

In the event of an emergency, requests for access may be made in person or by telephone. In such cases, prompt written documentation of the request will follow.

3. Buildings

If the County desires to use space in any building, the County shall comply with the restrictions and conditions specified by the designated building manager.

4. Conformance to Regulations

Access to and use of any Facility shall be in conformance with all codes, regulations, and requirements.

E. BUILDING ENTRANCES

Where applicable, in the event that a Building Entrance owned or controlled by one of the Participating Agencies is not usable for either entering a building or for providing access to the location in a building where the Participating Agencies have installed Fiber Optic Project components, the County has the responsibility for making alternative arrangements for building access with the building owner. The expense associated with an alternative Building Entrance shall be borne by the Participating Agencies using the building.

F. MODIFICATIONS TO FACILITIES

At the County's request, the Facility Owner shall make necessary modifications to any existing Facilities to enable building access for the Fiber Optic Project. Any requests by the County for such modifications shall be made to the Facility Owner and/or Manager.

G. RELOCATION OF FIBER OPTIC CABLE

The County will work with the Facility Owner to ensure that the Fiber Optic Cable within or on Facilities is designed and constructed to minimize the likely need for future relocation. The Facility Owner has the right of pre-approval and post-construction acceptance of any work required either to remove cable from within or on Facilities or to place cable within or on alternative Facilities.

1. All relocations of Fiber Optic Cable, regardless of reason, will be managed by the County. All relocations will be managed as a part of and under the terms and conditions of this Agreement.

2. Notice

Except for emergency situations, the Facility Owner will give the County at least 90 Days notice of the need to relocate any components of the Fiber Optic Project located within or on Facilities.

3. Relocation

When relocation is required, the Facility Owner may, when possible, provide substitute Facilities within or on which the Participating Agencies may relocate the components of the Fiber Optic Project.

H. PROPERTY RIGHTS

Nothing in the terms of this Agreement shall be construed to convey to the Participating Agencies any property rights in existing Facilities of a Facility Owner. Nothing in the terms of this Agreement shall be construed to compel a Facility Owner to maintain any of its Facilities for a period longer than is necessary for its own service requirements. In the event that Facilities are abandoned by the Facility Owner, the Participating Agencies may remain in such Facilities at their own risk, subject to the approval of the Facility Owner. Any ownership rights in Facilities created or constructed as part of the Fiber Optic Project will be allocated per this Agreement.

I. DEFAULT AND DISPUTE RESOLUTION

The Participating Agencies desire, if possible, to resolve disputes, controversies, and claims (“Disputes”) arising out of this Agreement without litigation.

To that end, if any Participating Agency believes that another Participating Agency, whether as a Participating Agency, Facility Owner, or Lead Agency, has failed to perform any obligation under this Agreement or has performed such obligation in a manner inconsistent with this Agreement, then the Participating Agency shall provide written notice to all Participating Agencies, stating with specificity the nature of the Dispute.

Thereafter, each Participating Agency shall appoint a knowledgeable, responsible management representative to meet within 30 Days of the date of the written notice and negotiate in good faith to resolve any Dispute.

The Participating Agencies agree that the discussions and correspondence among the representatives for purposes of Dispute resolution shall be treated as confidential information developed for purposes of settlement, shall be exempt from discovery and production, and shall not be admissible in any action or proceeding arising under or concerning this Agreement without the agreement of the parties to the dispute. Documents identified in or provided with such communications that are not prepared for purposes of the negotiations are not so exempted and may, if otherwise admissible, be admitted in evidence in any such action or proceeding.

If the negotiations between the Participating Agencies do not resolve the Dispute within 60 Days of the initial written request, the Dispute shall be submitted to mediation with a mediator chosen by mutual agreement of the parties.

Each Participating Agency shall bear its own cost of these Dispute resolution procedures. The Participating Agencies that are party to the mediation shall equally share the fees of the mediation and the mediator.

Nothing in this paragraph precludes any Participating Agency from seeking relief from King County Superior Court should mediation efforts be unsuccessful.

IX. RELATIONSHIP BETWEEN THE COUNTY AND CONTRACTORS

A. RESPONSIBILITY

The County as Lead Agency is responsible for ensuring that the applicable terms and conditions of this Agreement are included in agreements with Facility Owners and contractors. However, each contractor shall be held liable for any negligence, intentional acts, or willful or wanton misconduct caused by its performance or failure to perform the work under this Agreement or any contracts with the County.

B. APPROVALS

All contractors hired by the County to work within or on Facilities shall be subject to approval by Facility Owners. In all agreements with contractors, the Facility Owner(s) may require the County to require such contractors to attend a pre-construction meeting with the appropriate authority to review installation requirements and work restrictions prior to any work being performed in or on Facilities. The contractor's agreement shall state that the Facility Owner or the jurisdiction having rights-of-way has authority to stop Work or require that inadequate Work be corrected.

C. INSURANCE

Prior to undertaking any work under any this Agreement, the County shall ensure that all contractors, at no expense to the County, Participating Agencies and Facility Owner(s), have obtained and filed with the County acceptable evidence of a policy or policies of insurance as enumerated in this Agreement.

X. INDEMNIFICATION AND LIMITATION OF LIABILITY

A. LIMITATION OF LIABILITY AND INDEMNITY – THE COUNTY AS LEAD AGENCY

The County, when acting in the capacity as Lead Agency, shall not be liable, in law or in equity, to the Facility Owner, Participating Agencies, or any subsequent user for any damages relating to the interruption of service or interference with the operation of the Fiber Optic Project, except to the extent caused by the gross negligence or willful misconduct of the County. The Facility Owners and Participating Agencies shall indemnify and save harmless the County, its officers, employees, and agents from all claims, actions, liability, and damages of any nature arising out of any act or omission, except in the event of gross negligence or willful misconduct by the County in connection with this Agreement.

If any claim arises to which this indemnification provision may be applicable, the Facility Owner shall immediately upon learning of such claim notify the County, and upon such notice, the County shall promptly notify the Participating Agencies. The Participating Agencies may, at their option, settle or compromise such claim. In no event shall the Facility Owner or the County have the right to pay, settle, or otherwise compromise such claim without the prior written consent of the Participating Agencies, who shall not unreasonably withhold such consent.

THE COUNTY AS LEAD AGENCY SHALL NOT BE LIABLE TO THE FACILITY OWNER, PARTICIPATING AGENCIES, OR THEIR USERS OR ANY SUBSEQUENT USER UNDER ANY CIRCUMSTANCES FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR DAMAGES ALLEGED TO HAVE ARISEN DUE TO AN INTERRUPTION OF SERVICE OR DAMAGE TO ANY FIBER OPTIC CABLE OR ASSOCIATED EQUIPMENT.

B. LIMITATION OF LIABILITY AND INDEMNITY – FACILITY OWNERS

Facility Owners, when acting in that capacity, shall not be liable, in law or in equity, to the County as Lead Agency, to Participating Agencies, or to any subsequent user for any damages relating to the interruption of service or interference with the operation of the Fiber Optic Project, except to the extent caused by the gross negligence or willful misconduct of the Facility Owner. The County as Lead Agency and Participating Agencies shall indemnify and save harmless Facility Owners and Facility Owners' officers, employees, and agents from all claims, actions, liability, and damages of any nature arising out of any act or omission, except in the event of gross negligence or willful misconduct by the Facility Owner in connection with this Agreement.

If any claim arises to which this indemnification provision may be applicable, the Facility Owner shall immediately upon learning of such claim notify the County as Lead Agency, and upon such notice, the County shall promptly notify the Participating Agencies. The Participating Agencies may, at their option, settle or compromise such claim. In no event shall the Facility Owner or the County have the right to pay, settle, or otherwise compromise such claim without the prior written consent of the Participating Agencies, who shall not unreasonably withhold such consent.

THE FACILITY OWNER SHALL NOT BE LIABLE TO THE PARTICIPATING AGENCIES OR THEIR USERS OR ANY SUBSEQUENT USER UNDER ANY CIRCUMSTANCES FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR DAMAGES ALLEGED TO HAVE ARISEN DUE TO AN INTERRUPTION OF SERVICE OR DAMAGE TO ANY FIBER OPTIC CABLE OR ASSOCIATED EQUIPMENT.

C. LIMITATION OF LIABILITY AND INDEMNITY – PARTICIPATING AGENCIES

A Participating Agency, when acting in that capacity, shall not be liable, in law or in equity, to the Lead Agency, the Facility Owners or any other Participating Agency, or any subsequent user for any damages relating to interruption of service or interference with the operation of the Fiber Optic Project, except to the extent caused by the gross negligence or willful misconduct of that Participating Agency. The County as Lead Agency, the Facility Owner, and the other Participating Agencies shall indemnify and save harmless a Participating Agency and its officers, employees, and agents from all claims, actions, liability, and damages of any nature arising out of any act or omission, except in the event of gross negligence or willful misconduct by that Participating Agency in connection with this Agreement.

If any claim arises to which this indemnification provision may be applicable, the Facility Owner shall immediately upon learning of such claim notify the County as Lead Agency, and upon such notice, the County shall promptly notify the Participating Agencies. The Participating Agencies may, at their option, settle or compromise such claim. In no event shall the Facility Owner or the County have the right to pay, settle or otherwise compromise such claim without the prior written consent of the Participating Agencies, who shall not unreasonably withhold such consent.

A PARTICIPATING AGENCY SHALL NOT BE LIABLE TO THE COUNTY AS LEAD AGENCY, THE FACILITY OWNER, OR OTHER PARTICIPATING AGENCIES OR THEIR USERS OR ANY SUBSEQUENT USER UNDER ANY CIRCUMSTANCES FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR DAMAGES ALLEGED TO HAVE ARISEN DUE TO AN INTERRUPTION OF SERVICE OR DAMAGE TO ANY FIBER OPTIC CABLE OR ASSOCIATED EQUIPMENT.

XL ADDITIONAL TERMS AND CONDITIONS

A. LAWS, LICENSES, AND PERMITS

1. General Requirement

All work done under this Agreement shall comply with all applicable federal, state, and local laws, and all rules, regulations, orders, and directives of relevant administrative agencies.

2. Licenses, Permits, and Similar Authorizations

The Participating Agencies shall have and maintain in effect at all times all necessary franchises, licenses, permits, consents, and easements from federal, state, and local authorities and the owners of rights-of-way and private property. The Participating Agencies will comply with all requirements thereof to install, construct, maintain, operate, and remove any fiber optic installation(s).

B. PERFORMANCE

Each Participating Agency will perform all of its obligations under this Agreement in a timely manner.

C. AGREEMENT TERM

This Agreement shall become effective upon the execution of all Participating Agencies, and unless terminated in accordance with the terms of this Agreement, shall continue to a term of 20 years.

One year prior to the expiration of this 20-year period, the Participating Agencies shall in good faith negotiate a renewal agreement for an additional 20-year period or terminate their participation according to the provisions of this Agreement. Under the terms of any renewal agreement, the Participating Agencies shall continue to make payments as specified in this Agreement.

Terms and conditions of this Agreement that have expired shall remain in effect until superseded by a new agreement.

D. TERMINATION FOR CAUSE

Any Participating Agency may terminate this Agreement in the event that another party fails to perform its obligations as described in this Agreement, and such failure has not been corrected to the reasonable satisfaction of the other in a timely manner after notice of breach has been provided by such other Party.

Notice of termination shall be given by the Participating Agency terminating this Agreement to the others not less than 45 Days prior to the effective date of termination.

E. FORCE MAJEURE

The term "force majeure" shall include, without limitation by the following enumeration: acts of nature, acts of civil or military authorities, terrorism, fire, accidents, shutdowns for purpose of emergency repairs, and industrial, civil or public disturbances causing the inability to perform the requirements of this Agreement. If a party is rendered unable, wholly or in part, by a force majeure event or any other cause not within such party's control, to perform or comply with any obligation or condition of this Agreement, upon giving notice and reasonably full particulars to the other party, such obligation or condition shall be suspended only for the time and to the extent commercially practicable to restore normal operations. In the event that any party ceases to be excused pursuant to this provision, then the other parties, including the County as Lead Agency, shall be entitled to exercise any remedies otherwise provided for in this Agreement. Whenever a force majeure event causes a party to allocate limited resources between or among a party's other obligations, the Work under this Agreement shall receive no less priority in respect to such allocation than any of the Participating Agencies' other projects.

F. NO WAIVER

No term or provision hereof shall be deemed waived or consented to, and no breach excused unless such waiver or consent shall be in writing and signed by the Participating Agency claimed to have waived or consented.

Failure of any one or more Participating Agencies to insist upon strict performance of, or a Participating Agency's waiver of, any of the terms, conditions, or obligations of this Agreement, shall not be a waiver of any other term, condition, covenant, or obligation, or of any subsequent default by breach of the same or other term, condition, covenant or obligation

contained herein by any one or more Participating Agencies, nor shall such action or inaction by any one or more Participating Agencies be construed as to bind or prejudice any other Participating Agency.

G. SEVERABILITY

In the event any section, sentence, clause, or phrase of this Agreement is adjudicated to be invalid or illegal by a court of competent jurisdiction, the remainder of this Agreement shall be unaffected by such adjudication and all other provisions shall remain in full force and effect as though the section, clause, or phrase so adjudicated to be invalid had not been included herein. The Participating Agencies agree to negotiate a replacement section, sentence, clause, or phrase that is legal and most closely represents the original intent of the Participating Agencies.

H. RIGHTS CUMULATIVE

The rights and remedies of the Participating Agencies provided for under this Agreement are in addition to any other rights and remedies provided by law. The failure to exercise on any occasion any right shall not operate to forfeit such right on another occasion. The use of one remedy shall not exclude or waive the right to use another.

I. CONTRACTUAL RELATIONSHIP

This Agreement does not constitute the Participating Agencies as the agent or legal representative of a Facility Owner for any purpose whatsoever. The Participating Agencies are not granted any express or implied right or authority to assume or create any obligation or responsibility on behalf of or in the name of the Facility Owner or to bind the Facility Owner in any manner or thing whatsoever.

J. HEADINGS

The titles of sections are for convenience only and do not define or limit the contents.

K. APPLICABLE LAW AND VENUE

This Agreement shall be construed and interpreted in accordance with the laws of the State of Washington, and venue of any action brought hereunder shall be in the Superior Court for King County.

L. BINDING EFFECTS

The provisions, covenants, and conditions in the General Terms and Conditions apply to bind the Participating Agencies and their legal heirs, representatives, successors, and assigns.

M. ASSIGNMENT

No Participating Agency shall assign its rights or assign its duties under this Agreement without the prior written consent of the other Participating Agencies, which consent shall not be unreasonably withheld.

N. NOTICES

All notices and other materials to be delivered hereunder shall be in writing and shall be delivered or mailed to the addresses as identified in this Agreement.

O. MODIFICATION OR AMENDMENT

No modification to or amendment of the provisions of the General Terms and Conditions shall be effective unless in writing and signed by authorized representatives of the Participating Agencies to this Agreement. The Participating Agencies expressly reserve the right to modify any agreement, from time to time, by mutual agreement.

P. EXECUTED IN COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall be an original, but all of which together shall constitute but one instrument.

IN WITNESS WHEREOF, the Participating Agencies hereto have executed this Agreement on the respective dates indicated below.

Kevin Desmond
General Manager, King County Metro Transit



City Manager, City of Burien

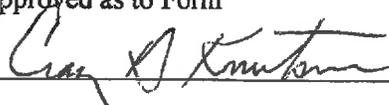
, City of SeaTac

, City of Tukwila

, City of Renton

Approved as to Form

Marcine Anderson
Prosecuting Attorney

Approved as to Form


City Attorney

Approved as to Form

City Attorney

Approved as to Form

City Attorney

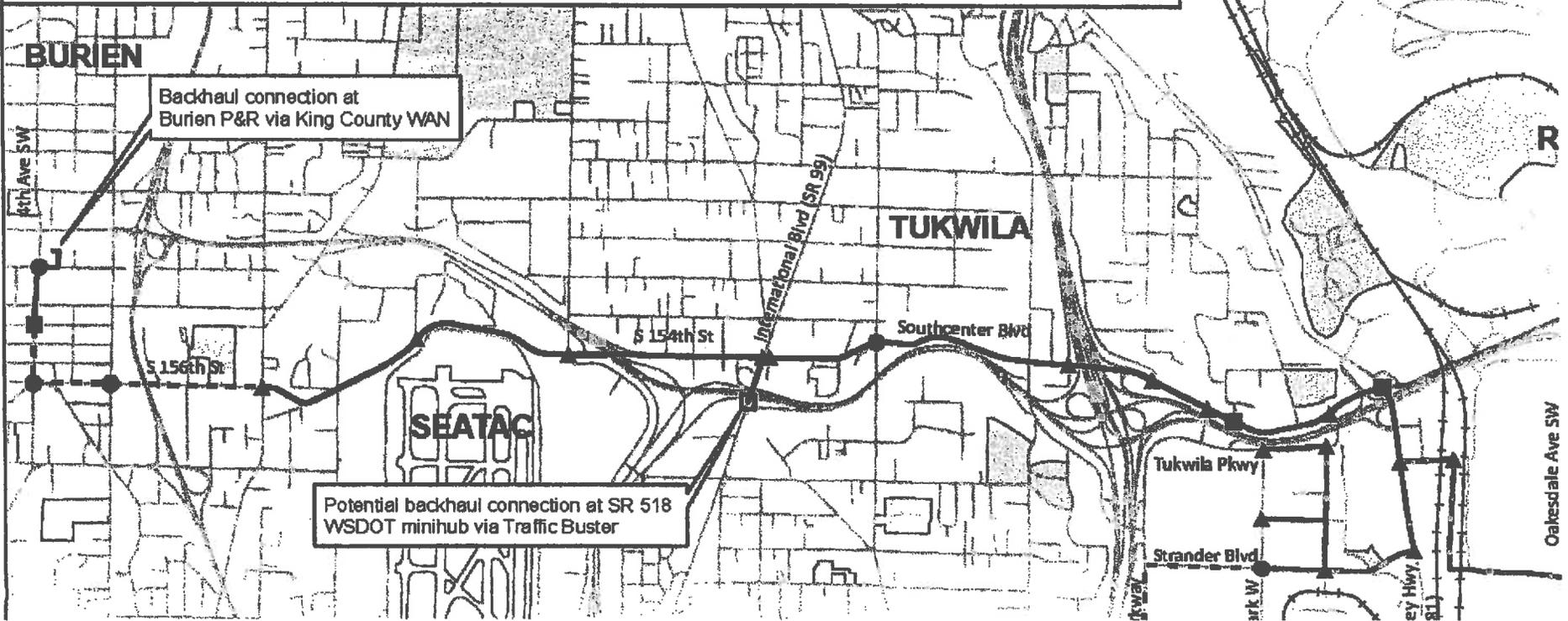
Approved as to Form

City Attorney

Attachment 1: F Line Fiber Route Schematic

F Line RapidRide Fiber Route Schematic Legend

- ▲ New RapidRide ITS Cabinet (336 Type)
- New Double Door P Cabinet
- New RapidRide Termination Cabinet (332 Type)
- Existing Termination Cabinet
- 72-CT Fiber Trunk (conduit)
- - - 72-CT Fiber Trunk (aerial)
- 144-CT Fiber Trunk
- 288-CT Fiber Trunk
- 48-CT Fiber Trunk
- 24-CT Lateral
- Transvalley Fiber
- - - 1-PR Connection via City Fiber
- 96-CT Fiber Trunk Installed by Others
- - - 4-PR Connection via City Fiber



Attachment 2
Project Elements: F Line RapidRide Fiber Optic Project

Element 1 (Trunk: 4th Ave SW from SW 150th St to SW 153rd St)

The installation of a 72-strand fiber trunk line with fiber distribution as follows:

King County RapidRide:	24 Strands (1-24)
Local Agency Communication (City of Burien):	24 Strands (25-48)
Interagency Communications:	24 Strands (49-72)

Element 2 (Trunk (Aerial): 4th Ave SW from SW 153rd St to SW 156th St and SW 156th Street from 4th Ave SW to Des Moines Memorial Drive)

The installation of a 72-strand fiber trunk line with fiber distribution as follows:

King County RapidRide:	24 Strands (1-24)
Local Agency Communication (City of Burien):	24 Strands (25-48)
Interagency Communications:	24 Strands (49-72)

Element 3 (TSC Laterals: 4th Ave SW from SW 150th St to SW 156th St and SW 156th St from 4th Ave SW to 1st Ave S)

The installation of 12-strand fiber laterals, from trunk to traffic signal control cabinets dedicated to the City of Burien.

Element 4 (ITS Laterals: 4th Ave SW from SW 150th St to SW 156th St and SW 156th St from 4th Ave SW to 1st Ave S)

The installation of 12-strand fiber laterals, from trunk line to ITS cabinets dedicated to King County RapidRide.

Element 5 (Trunk: S 156th St/S 154th St from Des Moines Memorial Drive to International Blvd (SR 99))

The installation of a 72-strand trunk line with fiber distribution as follows:

King County RapidRide:	24 Strands (1-24)
Local Agency Communication (City of SeaTac):	24 Strands (25-48)
Interagency Communications:	24 Strands (49-72)

Element 6 (TSC Laterals: S 156th St/S 154th St from Des Moines Memorial Drive to 24th Ave S)

The installation of 12-strand fiber laterals, from trunk to traffic signal control cabinets dedicated to the City of SeaTac.

Element 7 (ITS Laterals: S 156th St/S 154th St from Des Moines Memorial Drive to International Blvd (SR99))

The installation of 12-strand fiber laterals, from trunk line to ITS cabinets dedicated to King County RapidRide.

Element 8 (Trunk: S 154th St/International Blvd (SR 99) to SR 518 EB on-ramp/International Blvd (SR 99))

The installation of a 144-strand trunk line with fiber distribution as follows:

King County RapidRide:	48 Strands (1-24, 73-96)
Local Agency Communication (City of Tukwila):	24 Strands (25-48)
Local Agency Communication (City of SeaTac):	24 Strands (97-120)
Interagency Communications:	48 Strands (49-72, 121-144)

Element 9 (Trunk: Southcenter Blvd from International Blvd (SR 99) to 62nd Ave S)

The installation of a 72-strand trunk line with fiber distribution as follows:

King County RapidRide:	24 strands (1-24)
Local Agency Communication (City of Tukwila):	24 strands (25-48)
Interagency Communications:	24 strands (48-72)

Element 10 (Trunk: Southcenter Blvd from 62nd Ave S to West Valley Highway (SR 181))

The installation of a 144-strand trunk line with fiber distribution as follows:

King County RapidRide:	24 strands (1-24)
Local Agency Communication (City of Tukwila):	96 strands (25-48, 73-144)
Interagency Communications:	24 strands (48-72)

Element 11 (Trunk: West Valley Hwy (SR 181) from Strander Blvd to Grady Way)

The installation of a 72-strand fiber trunk with fiber distribution as follows:

King County RapidRide:	24 Strands (1-24)
Local Agency Communication (City of Tukwila)	24 Strands (25-48)
Interagency Communication:	24 strands (49-72)

Element 12 (ITS Laterals: Southcenter Blvd from International Blvd (SR99) to 66th Ave S, Andover Park E from Tukwila Parkway to Strander Blvd, Tukwila Parkway from Andover Park E to Andover Park W, Baker Blvd from Andover Park E to Andover Park W, Strander Blvd from Andover Park W to West Valley Hwy (SR 181), Longacres Way from West Valley Hwy to Tukwila Commuter Rail Station)

The installation of 24-strand fiber laterals from trunk line off of West Valley Highway to ITS cabinets dedicated to King County RapidRide.

Element 13 (Trunk: S Grady Way from West Valley Highway to Powell Ave S, Powell Ave S from Grady Way to S 7th St, S 7th St from Powell Ave S to Rainier Ave S)

The installation of a 288-strand fiber trunk line with fiber distribution as follows:

King County RapidRide:	24 Strands (1-24)
Local Agency Communication (City of Renton):	24 Strands (25-48)

Interagency Communication: 24 Strands (49-72)
Community Connectivity Consortium: 216 Strands (73-288)

Element 14 (Trunk: S 3rd St from Rainier Ave S to Wells Ave S, S 2nd St from Rainier Ave S to Burnett Ave S, Burnett Ave S from S 2nd St to S 3rd St)

The installation of a 48-strand fiber trunk line with fiber distribution as follows:

King County RapidRide: 24 Strands (1-24)
Local Agency Communication (City of Renton): 24 Strands (25-48)

Element 15 (Trunk: Rainier Ave S installed by City of Renton)

The installation of a 96-strand fiber trunk line with fiber distribution as follows:

Local Agency Communication (City of Renton): 72 Strands (1-72)
King County RapidRide: 24 Strands (73-96)

Element 16 (ITS Laterals: SW 27th St from Oakesdale Ave SW to Tukwila Commuter Rail Station, Oakesdale Ave SW from SW 27th St to S Grady Way, Lind Ave S from SW 16th St to S 7th St)

The installation of 24-strand fiber laterals, from trunk line off of Grady Way and S 7th St to ITS cabinets dedicated to King County RapidRide.

Element 17 (ITS Laterals: Rainier Ave S from S 7th St to S 3rd St, S 3rd St from Rainier Ave S to Burnett Ave S, S 2nd St from Burnett Ave S to Rainier Ave S)

The installation of 12-strand fiber laterals, from trunk line to ITS cabinets dedicated to King County RapidRide.

Element 18 (RapidRide connection to the Renton Landing)

The City of Renton shall provide 8 strands of fiber within the City's existing fiber network on Wells Ave S, Logan Ave N, N 8th St, and Park Ave N to provide a network connection for the ITS cabinets at each of the RapidRide intersection for the extension of the F Line RapidRide route to the Renton Landing

Element 19 (Fiber Termination Cabinets)

The installation of three (3) fiber termination cabinets at the following locations:

4th Ave SW/SW 153rd St, Southcenter Blvd/62nd Ave S, and S 7th St/Rainier Ave S.

Element 20 (Fiber Connections to new and existing Fiber Termination Cabinets)

The installation of a 144-count fiber connection from the two 72-count trunks to the termination cabinet at 4th Ave SW/SE 153rd St, and a 144-count fiber connection from the two 72-count trunks to the termination cabinets at SR 518/SR 99, A 144-count and 72-count connection from the 72-count and 144-count trunks to the termination cabinet at Southcenter Blvd/62nd Ave S, and a 72-count and 36-count connection from the 288-count and 96-count trunks to the termination cabinet at S 7th St/Rainier Ave S.

Element 21 (12CT Lateral Backhaul Connection to KCWAN at Burien Transit Center)

The installation of a 12-strand fiber cable from the termination cabinet at 4th Ave SW/SW 153rd St to the electrical room in the Burien Transit Center parking garage.

Element 22 (Fiber Connection to the WSDOT Mini-Hub at State Route 518)

Utilization of the existing King County RapidRide 12-strand fiber cable from the existing fiber termination cabinet at SR 518/SR99 to the WSDOT fiber mini-hub at State Route 518.

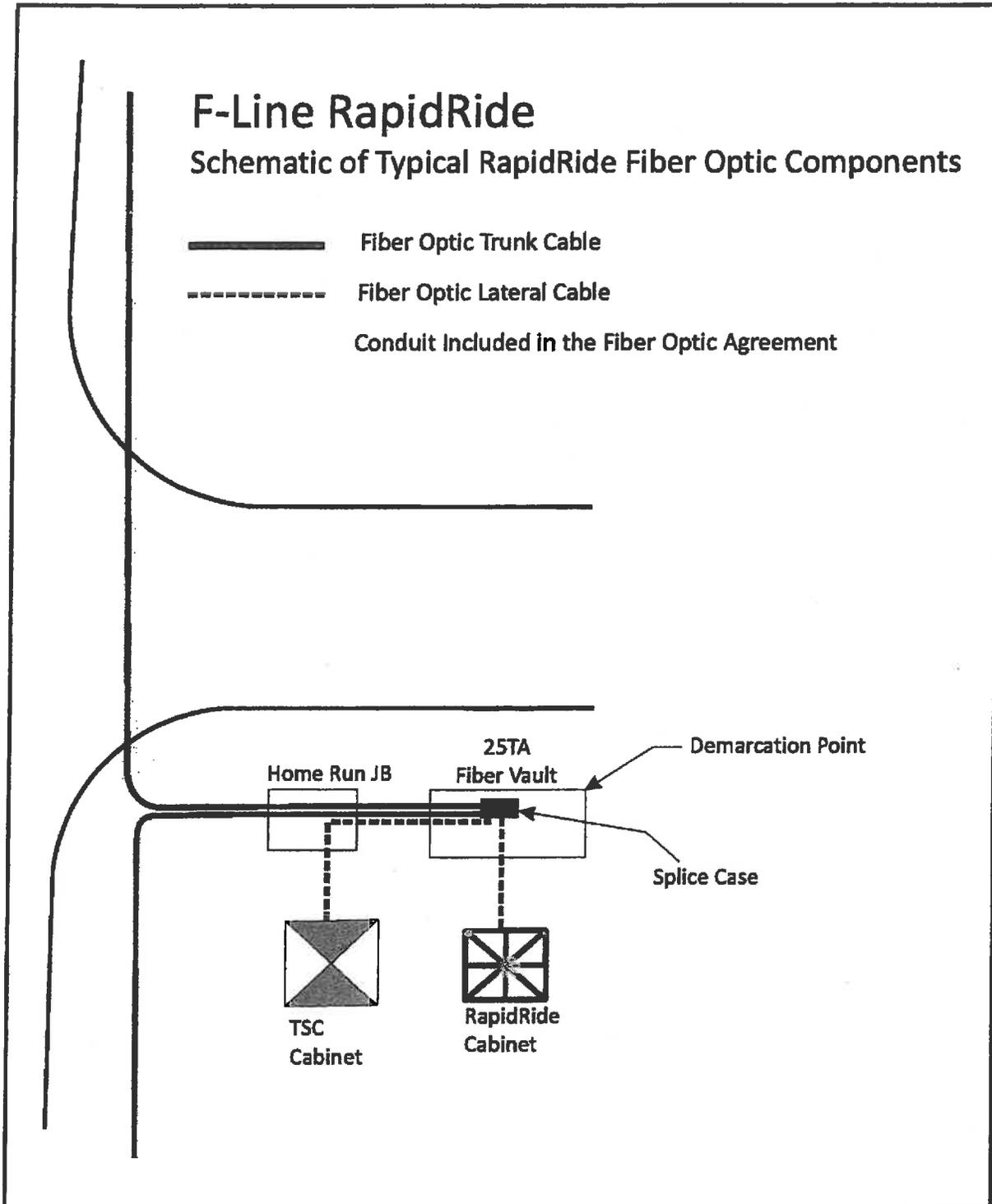
Elements Provided by Others:

For Element 15 and a portion of Element 17 (Rainier Ave S project fiber trunk cable and laterals to ITS cabinets), King County will enter into an agreement with the City of Renton. The City of Renton will design and install the portion of this project on Rainier Ave S from S Grady Way to S 3rd St.

Attachment 3: Fiber Optic Project Cost Estimate

Description	Burien	SeaTac	Tukwila	Renton	TOTAL
Cabling, Conduit and Assoc. Construction	\$180,745	\$293,405	\$437,553	\$680,993	\$ 1,592,695
RapidRide Communication Cabinet Work	\$109,437	\$72,850	\$236,369	\$335,049	\$ 753,705
King County Provided Equipment	\$24,600	\$22,680	\$84,040	\$165,100	\$ 296,420
Roadway, Signal and Channelization	\$21,039	\$11,980	\$5,905	\$18,000	\$ 56,924
Design Contingency (20%)	\$67,164	\$80,183	\$152,773	\$263,217	\$ 563,337
Subtotal 1	\$402,985	\$481,098	\$916,640	\$1,462,358	\$ 3,263,081
Traffic Control (7% of subtotal 1)	\$28,209	\$33,677	\$64,165	\$102,365	\$ 228,416
TESC (5% of subtotal 1)	\$20,149	\$24,055	\$45,832	\$73,118	\$ 163,154
Tax (9.5% of all above)	\$42,878	\$51,189	\$97,530	\$155,595	\$ 347,192
Construction Subtotal	\$494,221	\$590,019	\$1,124,167	\$1,793,436	\$ 4,001,843
<i>Construction Engineering (15% of Const Subtotal)</i>	\$74,133	\$88,503	\$168,625	\$269,015	\$ 600,276
<i>Construction Contingency (10% of Const Subtotal)</i>	\$49,422	\$59,002	\$112,417	\$179,344	\$ 400,184
Total	\$617,776	\$737,523	\$1,405,209	\$2,241,795	\$ 5,002,303

Attachment 4: Schematic of Typical RapidRide Fiber Optic Components



Attachment 5: Ownership and Maintenance Responsibilities of Fiber Optic Project Elements

Project Element	Ownership	Agency
		King County
Element 1 (4th Ave SW from SW 150th St to SW 153rd St): 72-strand fiber trunk cable		King County
King County RapidRide 24 Strands (1-24)	King County	
City of Burien Communication 24 Strands (25-48)	City of Burien	
Interagency Communications: 24 Strands (49-72)	King County	
Element 2 (4th Ave SW from SW 153rd St to SW 156th Street and SW 156th Street from 4th Ave SW to Des Moines Memorial Drive): 72-strand fiber trunk cable		King County
King County RapidRide 24 Strands (1-24)	King County	
City of Burien Communication 24 Strands (25-48)	City of Burien	
Interagency Communications: 24 Strands (49-72)	King County	
Element 3 (4th Ave SW from SW 150th St to SW 156th Street and SW 156th Street from 4th Ave SW to 1st Ave S): 12-strand fiber laterals, trunk to traffic signal control cabinets	City of Burien	City of Burien
Element 4 (4th Ave SW from SW 150th St to SW 156th Street and SW 156th Street from 4th Ave SW to 1st Ave S): 12-strand fiber laterals, trunk line to ITS cabinets	King County	King County
Element 5 (S 156th St/S 154th St from Des Moines Memorial Drive to International Blvd (SR 99)): 72-strand fiber trunk cable		King County
King County RapidRide: 24 Strands (1-24)	King County	
City of SeaTac Communications: 24 Strands (25-48)	City of SeaTac	
Interagency Communications: 24 Strands (49-72)	King County	
Element 6 (S 156th St/S154th St from Des Moines Memorial Drive to 24th Ave S): 12-strand fiber laterals, trunk to traffic signal control cabinets	City of SeaTac	City of SeaTac
Element 7 (S 156th St/S154th St from Des Moines Memorial Drive to International Blvd (SR99)): 12-strand fiber laterals, trunk line to ITS cabinets	King County	King County
Element 8 (International Blvd (SR 99) from S 154th St/International Blvd to SR 518 EB on-ramp/International Blvd): 144-strand fiber trunk cable		King County
King County RapidRide: 48 Strands (1-24, 73-96)	King County	
City of Tukwila Communication: 24 Strands (25-48)	City of Tukwila	
City of SeaTac Communications: 24 Strands (97-120)	City of SeaTac	
Interagency Communications: 48 Strands (49-72, 121-144)	King County	
Element 9 (Southcenter Blvd from International Blvd (SR 99) to 62nd Ave S): 72-strand fiber trunk cable		King County
King County RapidRide: 24 strands (1-24)	King County	
City of Tukwila Communication: 24 strands (25-48)	City of Tukwila	
Interagency Communications: 24 strands (49-72)	King County	
Element 10 (Southcenter Blvd 62nd Ave S to West Valley Hwy (SR181): 144-strand fiber trunk cable		King County
King County RapidRide: 24 strands (1-24)	King County	
City of Tukwila Communication: 96 strands (25-48, 73-144)	City of Tukwila	
Interagency Communications: 24 strands (49-72)	King County	
Element 11 (West Valley Hwy from Strander Blvd to Grady Way): 72- strand trunk cable		King County
King County RapidRide: 24 Strands (1-24)	King County	
City of Tukwila Communication: 24 Strands (25-48)	City of Tukwila	
Interagency Communication: 24 Strands (49-72)	King County	
Element 12 (Southcenter Blvd from International Blvd (SR99) to 66th Ave S, Andover Park E from Tukwila Parkway to Strander Blvd, Tukwila Parkway from Andover	King County	King County

Project Element	Ownership	Agency
		City of Renton
Element 18 (RapidRide Connection to the Renton Landing): 8-strands of existing City of Renton fiber to each RapidRide intersection in the Renton Landing to provide a network connection for the RapidRide ITS cabinets.		
King County RapidRide: 8 Strands (TBD of City of Renton Fiber)	King County	
Element 19 (Fiber Termination Cabinets): Three (3) fiber termination cabinets at SW 153rd St/4th Ave SW, Southcenter Blvd/62nd Ave S, S 7th St/Rainier Ave S	King County	King County
Element 20 (Connections to new and existing Fiber Termination Cabinets): 144-count fiber connection from the 72-strand trunks to the termination cabinet at SW 153rd St/4th Ave SW and at SR 518/SR99, 72-count and 144-count connection from the 72-strand and 144-strand trunks to the termination cabinet at Southcenter Blvd/62nd Ave S, and 144-count and 36-count fiber connection from the 288-strand and 96-strand trunks to the termination cabinet at S 7th St/Rainier Ave S	King County	King County
Element 21 (Fiber Connection to KC WAN at Burien Transit Center): 12-strand fiber cable from termination cabinet at SW 153rd St/4th Ave SW into electrical room in Burien Transit Center parking garage	King County	King County
Element 22 (Fiber Connection to WSDOT at State Route 518): Utilize the existing 12-strand fiber cable from termination cabinet at SR 518/SR99 to WSDOT mini-hub at State Route 518	King County	King County

**RapidRide Intelligent Transportation System Agreement
By and between King County and the City of Burien, Washington**

This RAPIDRIDE INTELLIGENT TRANSPORTATION SYSTEM AGREEMENT (“Agreement”) is made and entered into this ___ day of _____, 2013 by and between the City of Burien, hereinafter referred to as the “City,” and King County, hereinafter referred to as the “County,” both of which may be collectively referred to as the “Parties.”

WHEREAS, the King County Ordinance No. 15582 (Transit Now Ordinance) identified a number of transit service measures to be implemented using the one-tenth of one percent sales and use tax collected through Transit Now that focus on capital, operating, and maintenance improvements that are expected to expand and improve bus service on local streets and arterials within King County; and

WHEREAS, the key elements of bus rapid transit include new, low floor, hybrid diesel-electric buses; improved frequency of bus service; improved traffic operations; and transit stations with real time passenger information signs; and

WHEREAS, mutually beneficial contractual arrangements with other public entities that leverage public funds to provide both new and better bus service to cities employers is a key strategy identified in the Transit Now Ordinance approved by King County voters in the general election on November 7, 2006; and

WHEREAS, the County’s bus rapid transit along this corridor is named F Line RapidRide and the Parties are interested in advancing the implementation of this project; and

WHEREAS, the approved King County transit capital program, “RapidRide Program”, includes funding to support these investments in traffic signal systems and communication necessary to implement F Line RapidRide; and

WHEREAS, the Parties have reached agreement on the location and components of the Intelligent Transportation System (ITS) and fiber optic cable resources as provided in the County’s King County F Line ITS Corridor Improvements Construction Contract No. C00759C12 (“Contract No. C00759C12”) plans, copies of which are attached hereto as Attachment B and incorporated herein by reference into this Agreement as if fully set forth herein;

NOW IN CONSIDERATION of the mutual provisions, covenants, and agreements set forth below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Parties, the Parties agree as follows:

1. Purpose of the Agreement

The purpose of this Agreement is to identify the roles and responsibilities of the Parties regarding the construction and maintenance of the F Line RapidRide ITS Improvements. The Agreement identifies specific details regarding:

- A. City-owned conduit resources that the City will make available for County use.
- B. The County-owned fiber optic cable, power and other communication conductors the County will install in City conduits.

- C. The County-owned fiber optic cable, power and other communication conductors the County will install in new conduits.
- D. The traffic signal controllers, fiber optic cable, fiber patch panels, and ethernet switches the County will install for the City's use.
- E. The fiber optic cable the County will install aerially on Seattle City Light utility poles.
- F. The terms and conditions for the ownership and maintenance of the ITS cabinets (332 RapidRide ITS cabinets, 336A RapidRide ITS cabinets) and TSP compatible traffic signal controller cabinets (double door P-style cabinets) as shown in Contract No. C00759C12 plans, shown in Exhibit 1, that are required to operate RapidRide transit ITS elements.

2. City Responsibilities

- 2.1. The City shall allow the County to install new ITS cabinets, fiber vaults, junction boxes and conduits within City right-of-way as shown in the Contract No. C00759C12 plans.
- 2.2. The City shall allow the County to install fiber optic cable, power and other communication conductors as shown in the Contract No. C00759C12 plans in City-owned conduits.
- 2.3. The City shall allow the County to install fiber optic cable aerially on SW 150th St (4th Avenue SW to Transit Center driveway), 4th Avenue SW (SW 153rd St to SW 156th St), and SW 156th St (4th Avenue SW to Des Moines Memorial Drive) as shown in the Contract No. C00759C12 plans. Aerial fiber shall be installed on existing Seattle City Light utility poles. King County shall obtain permits from Seattle City Light for the attachment of the fiber optic cable to the utility poles.
- 2.4. The City shall permit the County to install new traffic signal controllers, fiber optic cable, fiber patch panels and ethernet switches in the City's existing controller cabinets as shown in the Contract No. C00759C12 plans. The City shall also permit the County to install a TSP interface panel in the City's traffic signal controller cabinet and to pull and terminate communication conductors from the County's RapidRide ITS cabinet to the interface panel in the City's traffic signal controller cabinet.
- 2.5. The City shall allow the County to install a 20 amp breaker in the City's traffic signal service cabinet, and the City shall pay for the electricity required to operate all of the equipment housed in the RapidRide ITS cabinets. The City will allow the County's contractor to install all conduit and wiring needed to provide power to the ITS cabinets from the service cabinets as shown in the Contract No. C00759C12 plans.
- 2.6. The City shall allow the County to install the Wireless Access Point (WAP) on the City's traffic signal mast arm or luminaire arm as shown in the Contract No. C00759C12 plans. The City shall also permit the county to install the associated CAT5 cable in the City's signal/lighting pole and conduit from the WAP to the RapidRide ITS cabinet.
- 2.7. The City shall review and implement new transit signal priority (TSP) timing plans as proposed by the County consistent with Section 3.7.
- 2.8. The City shall provide a right-of-way use permit for the County to work within the City's right-of-way and grant the necessary rights for the continuing existence of the County's improvements in the City's right-of-way in accordance with this Agreement. The right-of-way use permit shall contain the City's standard terms and the right for continuing existence granted under this Agreement and shall be subject to the following term and conditions:
 - A. The County shall keep ITS improvements installed by the County pursuant to this ITS Agreement ("F Line RapidRide ITS Improvements") in good order and repair and shall

comply with all City requirements for undertaking work in the right-of-way when installing, repairing or replacing the F Line RapidRide ITS Improvements.

B. Relocation at City's Request.

- If the City requests relocation of the County ITS Improvements in City right-of-way for the purposes of making street improvements or other public improvements solely by the City, the F Line RapidRide ITS Improvements will be relocated subject to the following conditions:
 - The City must provide 180 days notice to the County prior to the date by which the F Line RapidRide ITS Improvements must be relocated.
 - The City and the County shall coordinate the design of the relocated F Line RapidRide ITS Improvements.
 - The County must approve the design, such approval not to be unreasonably withheld or delayed.
 - Unless otherwise agreed to by the Parties, the County shall perform the relocation.
 - Prior to starting construction of the relocated F Line RapidRide ITS Improvements, the City and the County shall agree on how the cost of the relocation, including costs of delays caused by the County, will be shared between the City and County. The parties shall attempt to resolve disputes regarding cost allocation using the dispute resolution process provided in Section 13 below.
- If the City requests relocation of the F Line RapidRide ITS Improvements for any purpose other than making street improvements or other public improvement solely by the City, the F Line RapidRide ITS Improvements will be relocated subject to the following conditions:
 - The City must provide 180 days notice to the County prior to the date by which the F Line RapidRide ITS Improvements must be relocated.
 - The City and the County shall coordinate the design of the relocated F Line RapidRide ITS Improvements.
 - The County must approve the design, such approval not to be unreasonably withheld or delayed.
 - Unless otherwise agreed to by the Parties, the County shall perform the relocation.
 - The City shall reimburse or cause a third party to reimburse the County for all costs the County incurs as a result of the design and relocation of the F Line RapidRide ITS Improvements.

C. Relocation at the County's Request.

- If the County requests relocation of the F Line RapidRide ITS Improvements in City right-of-way for any purpose:
 - The County must provide 180 days notice to the City prior to the date by which the F Line RapidRide ITS Improvements are to be relocated.
 - The City and the County shall coordinate the design of the relocated F Line RapidRide ITS Improvements.
 - The City must approve the design, such approval not to be unreasonably withheld or delayed.

- Unless otherwise agreed to by the Parties, the County shall perform the relocation.
- The County shall pay fees for any and all required permits for the relocation and shall reimburse the City for all costs incurred as a result of the design and relocation of the F Line RapidRide ITS Improvements other than the cost of City staff time spent on such activities.

3. County Responsibilities

- 3.1. The County shall be responsible for all work activities required to design, construct and inspect the F Line RapidRide ITS Improvements. The County or its contractor will construct and install fiber optic cable, conduit, junction boxes, fiber vaults, wiring, double door P type cabinets, ITS cabinets, wireless access points, service cabinet upgrades and all related equipment within the City's right-of-way in accordance with this Agreement and the County's Contact No. C00759C12 plans and the right-of-way permits granted by the City under Section 2.8.
- 3.2. The County shall submit to the City the Contract No. C00759C12 plans for the City's review and approval before initiating construction. The City will have the opportunity to review and provide written comments on the plans for consistency with the recommended F Line RapidRide ITS Improvements. The County shall submit the plans to the City in electronic form.
- 3.3. The County shall coordinate with the City and Seattle City Light as to any new electrical service connections required from Seattle City Light.
- 3.4. The County or its contractor shall install signal modifications at the intersection of 4th Avenue SW/SW 156th St to provide a southbound protected left turn phase to enhance transit safety and operations along the F Line RapidRide route.
- 3.5. In consideration for the use of the City's conduit resources and to enable use of transit signal priority at signalized intersections along the F Line RapidRide route, the County shall provide the following elements for the City's use, ownership and maintenance:
 - A. New Traffic Signal Controllers: The County or its contractor shall replace the existing Traconex controllers with Econolite ASC/3 traffic signal controllers at the intersections of 4th Avenue SW/SW152nd St and 4th Avenue SW/SW 156th Street.
 - B. Traffic Signal Interconnect: The County or its contractor shall install fiber optic ethernet switches to support traffic signal interconnect and shall install, splice and terminate, per Contract No. C00759C12, 12 fibers (6-in, 6-out) for the City's use into each of the following traffic signal controller cabinets:
 - 4th Avenue SW/SW 150th St
 - 4th Avenue SW/SW 152nd St
 - 4th Avenue SW/SW 153rd St
 - 4th Avenue SW/SW 156th St
 - SW 156th St/1st Avenue SW
- 3.6. The County or its contractor shall install TSP compatible traffic signal controller cabinets (double door P-style cabinets) at the proposed TSP locations, as shown in Contract No. C00759C12 plans and listed below:
 - 4th Avenue SW/SW 150th St
 - 4th Avenue SW/SW 153rdSt
 - 4th Avenue SW/SW 156th St

- SW 156th St/1st Avenue SW

The County shall install the Transit Signal Priority Request Generator (TPRG) unit in the upper compartment of the double door P cabinet and shall connect the TPRG unit to the City's signal controller to enable transit signal priority at the intersections.

- 3.7. The County shall develop new transit signal priority (TSP) timing plans for all TSP intersections along the F Line RapidRide corridor. The TSP timing plans shall account for the operation of the transportation network so that the intersection at 1st Ave S at SW 156th St operates no worse than Level of Service (LOS) D, and all other intersections along the F-Line operate no worse than LOS E. The City shall review and approve the new TSP plans and shall implement the timings in the traffic signal controllers.
- 3.8. The County shall provide the City with quarterly reports on work progress and other matters of significance in the performance of this Agreement. Before the issuance of a change order or any acceptance of a contractor's work, the County shall notify the City and give the City an opportunity to comment on and inspect the work. Neither waiver of the City's right to inspect, nor improvements constructed prior to execution of this Agreement shall relieve the County of its responsibility for said improvements.
- 3.9. The County shall provide the City with one full-size set of record drawings delivered to City Hall plus one 11" X 17" set of each controller record drawing in a plastic pouch in its respective cabinet.

4. Fiber Optic Cable

- 4.1. The County shall install a 72-count fiber optic cable along the F Line RapidRide corridor as a part of the F Line RapidRide ITS Improvements. This cable size will provide future communication capacity which could be used by King County and the local agencies for other purposes. The fiber shall be distributed between King County and the local agencies as follows:

<u>Agency</u>	<u>Fiber Assignment</u>
King County Metro RapidRide	24 Strands (1-24)
City of Burien Communications	24 Strands (25-48)
Interagency Communications	24 Strands (49-72)

- 4.2. The County shall terminate 12 fibers assigned for City of Burien Communications in the traffic signal controller cabinets as identified in Section 3.5.B. The City's fiber strands will also be terminated into a RapidRide ITS termination cabinet (332 type) at the intersection of 4th Avenue SW/SW 153rd Street.
- 4.3. A separate 24-count fiber cable shall be installed from the RapidRide ITS termination cabinet at the intersection of 4th Avenue SW/SW 153rd St to the communication room of the Burien Park and Ride structure to provide the backhaul connection from the F Line corridor to the King County WAN.
- 4.4. Concurrent with this Agreement, the Parties will enter into a separate fiber optic project agreement to establish the terms and conditions for the ownership and maintenance of the 72-count fiber optic cable.

5. Ownership and Maintenance

- 5.1. The City will continue to own all City-owned conduits that it has made available to the County for the F Line RapidRide ITS project.
- 5.2. The F Line RapidRide ITS Improvements to the City-owned conduit, junction boxes, and traffic signal controller equipment shall become property of the City upon their completion and final acceptance. This includes the traffic signal controllers, ethernet switches, fiber termination panels within the traffic signal controller cabinet, as well as the TSP interface panel housed within the traffic signal controller cabinet.
- 5.3. The County will own and maintain the RapidRide ITS cabinet and all new fiber optic cable, conduit, and other communication equipment and cable it installs within the ITS cabinet between the County's RapidRide ITS cabinet and the nearest junction box or vault.
- 5.4. The City will own and maintain the four double door P-cabinets funded by this Agreement. This includes all City-supplied equipment and the TSP interface panel housed in the lower compartment of this cabinet.
- 5.5. The County will own and maintain all County-supplied equipment housed in the upper compartment of the double door P-cabinets that will be installed by the County after the County completes installation of the new double door P-cabinets.
- 5.6. A goal of the RapidRide Program is to achieve a minimum of ten percent (10%) transit travel time from roadway and TSP improvements. The Parties agree to make their best faith effort to achieve and maintain a ten percent (10%) or greater transit travel time improvement on the F Line RapidRide route between the terminals at 'The Landing' in Renton and Burien Transit Center. The County intends to perform before and after transit travel time studies and share this information with the City to assist in maintaining the transit travel time improvements.
- 5.7. The separate, concurrent agreement on the terms and conditions for the sharing of fiber optic installation projects will establish the ownership and maintenance for the 72-strand fiber optic cable.

6. Financing

- 6.1. **Total Project Price.** The project price is \$ 519,793. See Attachment A.
- 6.2. **County Contribution for King County Road Services Performed Work:** The County shall pay for the work performed by King County Road Services on behalf of the City in direct support during the construction and acceptance of the F Line RapidRide ITS Improvements. The County will arrange for King County Road Service to bill the F Line ITS project directly for this work. The estimated budget for King County Road Services work is \$70,000.

7. Schedule

- 7.1 The scheduled date to begin construction of the F Line ITS Improvements is March 12, 2013.
- 7.2 The scheduled date for completion of the F Line ITS Improvements is September 17, 2013.
- 7.3 The scheduled date for beginning RapidRide service is June, 2014.

8. Insurance and Indemnification

- 8.1 **Insurance Requirements.** If the County uses a contractor to perform work under this Agreement, after taking into account the scope of work and services which may be performed by

its contractor(s), the County shall require that the County's contractor maintain Commercial General Liability, Professional Liability if professional services are required, Automobile Liability insurance, Statutory Workers Compensation, Employers Liability/Stop Gap and other insurance as may be required with prudent limits of liability as established by a County risk assessment.

- 8.2 Any such contractor insurance specified in Subsection 8.1 shall insure the County, its contractor, and the City and its officers, officials, agents and employees against loss arising out of or in connection with activities, performed in furtherance of this Agreement by the County's contractor. Contractor's general and automobile liability insurance and other liability insurance, except Workers Compensation and Professional Liability, as may be required shall include the City and its officers, officials, agents and employees as an additional insured and shall contain standard separation of insured's language. The County's contractor's insurance shall be primary to and not contributing with any insurance or self insurance that may be carried by the City.
- 8.3 **Indemnification and Hold Harmless.** To the maximum extent permitted by law, each Party shall protect, defend, indemnify and hold harmless the other Party, its officers, officials, employees and agents while acting within the scope of their employment as such, from any and all suits, costs, claims, actions, losses, penalties, judgments, and/or awards of damages, of whatsoever kind arising out of, or in connection with, or incident to the services associated with this Agreement caused by or resulting from each Party's own negligent acts or omissions. Each Party agrees that it is fully responsible for the acts and omissions of its own subcontractors, their employees and agents, acting within the scope of their employment as such, as it is for the acts and omissions of its own employees and agents. Each Party agrees that its obligations under this provision extend to any claim, demand, and/or cause of action brought by or on behalf of any of its employees or agents. The foregoing indemnity is specifically and expressly intended to constitute a waiver of each Party's immunity under Washington's Industrial Insurance Act, RCW Title 51, as respects the other Party only, and only to the extent necessary to provide the indemnified Party with a full and complete indemnity of claims made by the indemnitor's employees. The Parties acknowledge that these provisions were specifically negotiated and agreed upon by them. Each Party shall require similar indemnification language in all Agreements with subcontractors entered into in conjunction with this Agreement.

9. Effective Date and Term of Agreement

This Agreement shall take effect upon the latest date on which one of the Parties executes this Agreement, and shall continue unless terminated pursuant to the terms of this Agreement.

10. Agreement Termination

Either Party may terminate this Agreement in the event that the other Party materially breaches this Agreement. Written notice of such termination and a description of the breach must be given via certified mail by the Party terminating this Agreement to the other Party not less than sixty (60) days prior to the effective date of termination. The breaching Party shall be given this sixty days in which to cure its material breach. If the breaching Party fails to cure within sixty days, the Agreement is immediately terminated. Upon termination, the Parties shall determine final costs and payments to be made by each Party.

11. Entire Agreement and Amendments

- 11.1 **Entire Agreement.** This document contains all terms, conditions and provisions agreed upon by the Parties hereto, and shall not be modified except by written amendment.

11.2 **Amendments.** Except as otherwise provided for in this Agreement, amendments may be made to this Agreement within the previously approved budget or other applicable authority for and on behalf of the City by its City Manager, and for and on behalf of the County by its General Manager of the Transit Division and shall be in writing and executed by such duly authorized representative of each Party. No variation or alteration of the terms of this Agreement shall be valid unless made in writing and signed by authorized representatives of the Parties hereto.

12. Notification and Identification of Contacts

- 12.1 **Notice.** Any notice or communication required or permitted to be given pursuant to this Agreement shall be in writing, and shall be sent postage prepaid by U.S. Mail, return receipt requested, to the contact persons and addresses identified in Subsection 14.2 of this Agreement unless otherwise indicated by the Parties in writing.
- 12.2 **Contact Persons and Addresses.** The contact persons for the administration of this Agreement are as follows:

City of Burien: Brian Victor, PE
Capital Project Manager/Engineer
City of Burien
400 SW 152nd St., Suite 300
Burien, WA 98166
(206) 248-5533

King County, Metro Transit: Franco Fernandes
Project Manager
Transit Route Facilities
201 S Jackson Street
KSC-TR-0413
Seattle, Washington 98104-3856
(206) 263-3134

13. Dispute Resolution Process

The Parties, through their designated representatives identified in Subsection 12.2 of this Agreement, shall use their best efforts to resolve any disputes pertaining to this Agreement that may arise between the Parties. If these designated representatives are unable to resolve a dispute, the responsible Project Directors of both Parties shall review the matter and attempt to resolve it. If they are unable to resolve the dispute, the matter shall be reviewed by the department directors of the Parties or their designees. The Parties agree to exhaust each of these procedural steps before seeking to resolve disputes in a court of law or any other forum.

14. Records Retention and Audit

During the progress of the Work and for a period not less than three (3) years from the date of completion of the Work or for the retention period required by law, whichever is greater, records and accounts pertaining to the Work and accounting therefore are to be kept available by the Parties for inspection and audit by representatives of the Parties and copies of all records, accounts, documents, or other data pertaining to the Work shall be furnished upon request. Records and accounts shall be maintained in accordance with applicable state law and regulations.

15. Compliance with Applicable Laws

The Parties agree to comply with all applicable federal, state, and local laws, rules, and regulations, including those pertaining to nondiscrimination, and agree to require the same of any subcontractors providing services or performing any of the Work using funds provided under this Agreement.

16. Legal Relations

- 16.1 **No Partnership or Joint Venture.** No joint venture, agent-principal relationship or partnership is formed as result of this Agreement. No employees or agents of one Party or any of its contractors or subcontractors shall be deemed, or represent themselves to be, employees or agents of the other Party.
- 16.2 **No Third Party Beneficiaries.** It is understood and agreed that this Agreement is solely for the benefit of the Parties hereto and gives no right to any other person or entity.
- 16.3 **Assignment.** Neither this Agreement, nor any interest herein, may be assigned by either Party without the prior written consent of the other Party.
- 16.4 **Binding on Successors and Assigns.** This Agreement, and all of its terms, provisions, conditions, and covenants, together with any exhibits and attachments now or hereafter made a part hereof, shall be binding on the Parties and their respective successors and assigns.
- 16.5 **Mutual Negotiation and Construction.** This Agreement and each of the terms and provisions hereof shall be deemed to have been explicitly negotiated between, and mutually drafted by both Parties.
- 16.6 **Waiver of Default.** Waiver of any default shall not be deemed to be a waiver of any subsequent default; as such, failure to require full and timely performance of any provision at any time shall not waive or reduce the right to insist upon complete and timely performance of any other provision thereafter. Waiver of breach of any provision of this Agreement shall not be deemed to be a waiver of any other or subsequent breach and shall not be construed to be a modification of the terms of this Agreement unless stated to be such in writing, signed by duly authorized representatives of the Parties, and attached to the original Agreement.
- 16.7 **Applicable Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of Washington.
- 16.8 **Jurisdiction and Venue.** The King County Superior Court, situated in Seattle, Washington, shall have exclusive jurisdiction and venue over any legal action arising under this Agreement.
- 16.9 **Rights and Remedies.** The Parties' rights and remedies in this Agreement are in addition to any other rights and remedies provided by law.
- 16.10 **Severability.** If any provisions of this Agreement are held invalid by a court of competent jurisdiction, the remainder of the Agreement shall not be affected thereby if such remainder would then continue to serve the purposes and objectives originally contemplated by the Parties.
- 16.11 **Entire Agreement.** This Agreement embodies the Parties' entire understanding and agreement on the issues covered by it, except as may be supplemented by subsequent written amendment to this Agreement, and supersedes any prior negotiations, representations or draft agreements on this matter, either written or oral.
- 16.12 **Survival.** Each of the provisions of this Section 16 shall survive any expiration or termination of Agreement.

17. Execution of Agreement — Counterparts

This Agreement may be executed in two (2) counterparts, either of which shall be regarded for all purposes as an original.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement on the date indicated under their signatures.

KING COUNTY
DEPARTMENT OF TRANSPORTATION
METRO TRANSIT DIVISION

CITY OF BURIEN

By: Kevin Desmond, General Manager

By: Mike Martin, City Manager

Dated: _____

Dated: _____

APPROVED AS TO FORM ONLY:

APPROVED AS TO FORM:

By: _____

By: _____

Dated: _____

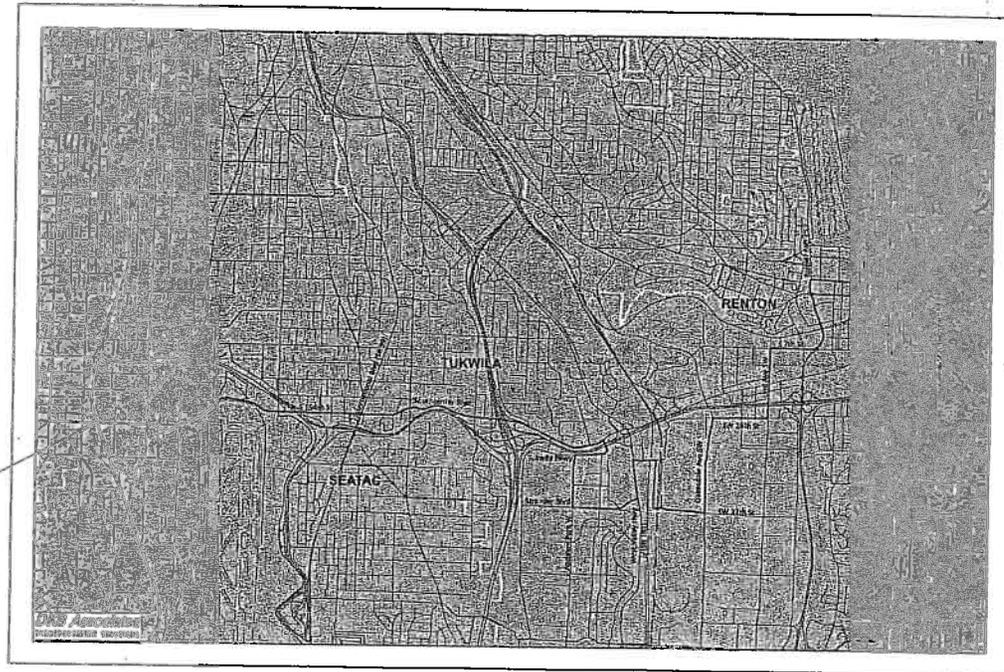
Dated: _____

Attachment A
Summary of F Line ITS Improvements

F Line RapidRide Improvements		Cost of Improvements	Financial Plan	
			County	City
1.	Install fiber optic cable on 4th Avenue SW from SW 150th St to SW 156th Street and on SW 156th Street from 4th Avenue SW to Des Moines Memorial Drive.	\$519,793	\$519,793	-0-
2.	Install new F Line ITS cabinet at 4th Avenue SW/SW 153rd St. Install fiber termination panel and Ethernet switch in ITS cabinet.			
3.	Install new Double Door P style cabinets with fiber termination panel and Ethernet switch along with required communications hardware to provide TSP at the following signalized intersections: - 4th Avenue SW/SW 150th St - 4th Avenue SW/SW 153rd St - 4th Avenue SW/SW 156th St - 1st Avenue SW/SW 156th St			
4.	Install wireless access points as indicated on the Contract No. C00759C12 plans.			
5.	Install new TSP compatible signal controllers (Econolite ASC/3) at the following intersections: - 4th Avenue SW/SW 152nd St - 4th Avenue SW/SW 156th St			
6.	Install fiber termination panel and Ethernet switch in the traffic signal controller cabinet at the following intersections to provide traffic signal interconnect: - 4th Avenue SW/SW 150th St - 4th Avenue SW/SW 152nd St - 4th Avenue SW/SW 153rd St - 4th Avenue SW/SW 156th St - 1st Avenue SW/SW 156th St			
7.	Modify the signal at 4th Avenue SW/SW 156th St to install a protected southbound left turn phase.			
8.	Install vaults for fiber splicing and cable storage.			
9.	Upgrade type 1 junction boxes to type 2 junction boxes to accommodate the fiber cable as indicated on the Contract No. C00759C12 plans.			
10.	Install small sections of new conduit at signalized intersections as shown in the Contract No. C00759C12 plans.			
11.	Develop and install signal plans for transit signal priority for TSP intersections along the corridor.			
Total		\$ 519,793	\$519,793	-0-

Attachment B
King County F Line ITS Corridor Improvements Construction Contract No. C00759C12

Conformed for
Construction



F LINE
RAPIDRIDE
ROUTE
ALIGNMENT

LOCATION MAP.
NOT TO SCALE



KING COUNTY METRO F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENTS CONTRACT NUMBER C00759C12

OCTOBER 23, 2012

ATTACHMENT B

\\s01\apps\115113-1040\115113-1040.dwg Plot Date: 10/23/12 10:28:29 AM Plotter: HP DesignJet 5000 Series Plot Size: 11x17 inches Plot Scale: 1:1

CONSTRUCTION NOTES

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
- 1A. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.
2. FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND INSTALL KING COUNTY ROAD SERVICES FURNISHED 332 RAPIDRIDE ITS TERMINATION CABINET. FURNISH AND INSTALL A 144CT, A 72CT AND 24CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D2 IN THE 332 CABINET. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL. LABEL 12PR AND 1PR COMMUNICATION CABLES AS "TSP-4TH/152ND."
3. FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND NEW 332 RAPIDRIDE ITS TERMINATION CABINET WITH A 144CT AND 72CT PRE-TERMINATED FIBER PATCH PANELS AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D2 EXCEPT INSTALL THE 72CT PRETERMINATED PANEL ON THE BACKDOOR SIDE OF THE RACK. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.
4. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 24CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
5. FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND NEW 332 RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D2. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL TWO KING COUNTY FURNISHED TSP INTERFACE PANELS AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANELS. LABEL 12PR AND 1PR COMMUNICATION CABLES AS "TSP" AND INCLUDE NAME OF INTERSECTION TO WHICH THE CABLES ARE TERMINATED.
6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL BY CORRESPONDING FIBER COLOR/NUMBER. FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
7. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL BY CORRESPONDING FIBER COLOR/NUMBER.
8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAILS 1-2 ON DRAWING D5, AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
- 8A. FURNISH AND INSTALL A NEW 24CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAILS 1-2 ON DRAWING D5, AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
10. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON LIGHT POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAMS ON DRAWINGS S1-S47. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAMS S1-S47. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6.
16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
17. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH BOTTOMLESS 25-TA VAULT. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE 25-TA VAULT. INSTALL NEW BELL ENDS ON TRIMMED CONDUIT MAINTAIN AND PROTECT ALL CABLING IN THE VAULT. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D9.

18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
19. BORE AND INSTALL CONDUIT. ADJUST BORE TO AVOID UTILITIES AS NEEDED. RESTORE AREA DISTURBED BY BORING OPERATIONS BACK TO PRECONSTRUCTION CONDITION.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
21. INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL 1 ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
23. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13.
24. INSTALL FIBER SNOWSHOES FOR CABLE SLACK STORAGE AS INDICATED ON THE FIBER OPTIC ROUTING SCHEMATIC ON DRAWINGS F1-F6. SEE DETAILS ON DRAWING D11.
25. INSTALL TYPE 2 JUNCTION BOX. ALL NEW CONDUITS SHALL BE INSTALLED WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX. INSTALL BELL ENDS ON CONDUIT. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
26. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH TYPE 2 JUNCTION BOX WITH A 12-INCH EXTENSION. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
27. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
28. REMOVE TYPE 2 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
29. INSTALL A 12-INCH EXTENSION TO THE EXISTING JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX WITH EXTENSION. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. SEE DETAIL ON DRAWING D10.
30. REMOVE EXISTING TYPE 1 JUNCTION BOX. INTERCEPT EXISTING 4-INCH CONDUIT AND EXTEND CONDUIT TO JUNCTION BOX W309.
31. INTERCEPT EXISTING 2-INCH CONDUIT STUB FROM TRAFFIC SIGNAL CONTROLLER CABINET FOUNDATION AND EXTEND CONDUIT TO JUNCTION BOX T408.
32. MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B1-B6.
33. INSTALL 3-INCH RGS CONDUIT RISER ON BRIDGE PIER AND INSTALL NEMA ENCLOSURE AT TOP OF BRIDGE PIER. SEE DRAWING B6 FOR CONDUIT AND NEMA BOX ATTACHMENT DETAILS.
34. INSTALL NEMA 4X ENCLOSURE. SEE DRAWINGS B1-B6 FOR DETAILS.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.
36. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AS SHOWN IN DETAIL 1 ON DRAWING D5 AND WIRE INTO EXISTING CONTROLLER CABINET.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
38. RESPLICE EXISTING 12CT LATERAL TO S 152ND ST CONTROLLER CABINET TO NEW RAPIDRIDE FIBER PER SPLICE DETAIL ON S8.
39. INSTALL RACK MOUNTED 12CT PRE-TERMINATED FIBER PATCH PANEL IN EXISTING RACK IN THE BURIEN PARK AND RIDE COMMUNICATIONS ROOM. SPLICE THE BLUE TUBE OF THE 24CT FIBER CABLE TO THE PRE-TERMINATED PIGTAIL OF THE PATCH PANEL BY CORRESPONDING COLORS/NUMBERS. COIL 50' OF SLACK FIBER CABLE AND INSTALL RACKING HARDWARE TO STORE SLACK FIBER CABLE.
40. FURNISH AND INSTALL NEW 144CT PRE-TERMINATED PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT IN THE EXISTING 332 RAPIDRIDE ITS TERMINATION CABINET AS SHOWN IN THE DETAILS ON DRAWING D2. INSTALL THE KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE THE 12PR AND 1PR COMMUNICATION CONDUCTORS TO PANEL.

41. FURNISH AND INSTALL A NEW 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT IN THE EXISTING 336 RAPIDRIDE ITS CABINET AS SHOWN IN DETAILS ON DRAWING D1. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE THE 12PR AND 1PR COMMUNICATION CONDUCTORS TO PANEL.
42. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6.
43. CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.
44. INSTALL 20 AMP BREAKER IN EXISTING SERVICE PANEL INSIDE THE TUKWILA SOUND TRANSIT ELECTRICAL ROOM. TERMINATE SERVICE CONDUCTORS TO NEW BREAKER.
45. NOT USED.
46. INSTALL NEW TANDEM 20 AMP BREAKERS IN THE EXISTING SERVICE CABINET. PULL THE #8 AND #6 POWER CONDUCTORS AND #6 GROUND WIRES FROM THE ITS CABINETS INTO THE NEW SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKERS AND THE GROUND WIRES TO THE SERVICE CABINET GROUND.
47. FURNISH AND INSTALL NEW SERVICE CABINET AS SHOWN IN DETAILS ON DRAWING D12.
48. INSTALL KING COUNTY FURNISHED RAPIDRIDE ACCESS POINT AND ANTENNAS ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8.
49. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON MESSENGER CABLE AS SHOWN IN DETAIL 3 ON DRAWING D8. CENTER ACCESS POINT ON SOUTHBOUND LEFT TURN POCKET. VERIFY ACCESS POINT LOCATION WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
50. INSTALL KING COUNTY FURNISHED PANEL ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8. VERIFY LOCATION AND ORIENTATION OF PANEL ANTENNA WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
51. FURNISH AND INSTALL NEW 336A RAPIDRIDE ITS CABINET ON EXISTING FOUNDATION WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
- 51A. FURNISH AND INSTALL NEW 336A RAPIDRIDE ITS CABINET ON EXISTING FOUNDATION WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.
52. INSTALL NEW ACCESS PAD FOR RAPIDRIDE ITS CABINET FLUSH TO EDGE OF EXISTING CURB AND SIDEWALK.
53. POUR NEW FOUNDATION EXTENSION TO NORTH END OF EXISTING CABINET FOUNDATION TO ACCOMMODATE A DOUBLE DOOR P CABINET AS SHOWN IN OVERPOUR DETAIL 1 ON DRAWING D6. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET. INSTALL KING COUNTY ROAD SERVICES FURNISHED DOUBLE DOOR P CABINET ON NEW FOUNDATION. FRONT DOOR SHALL FACE IN THE SAME DIRECTION AS THE EXISTING CABINET. RECONNECT ALL EXISTING TRAFFIC SIGNAL WIRING PER CITY OF BURIEN STANDARDS.
54. POUR NEW FOUNDATION AROUND EXISTING CABINET FOUNDATION TO ACCOMMODATE A DOUBLE DOOR P CONTROLLER CABINET AS SHOWN IN OVERPOUR DETAIL 2 ON DRAWING D6. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET. INSTALL CITY OF RENTON FURNISHED DOUBLE DOOR P CABINET ON NEW FOUNDATION. FRONT DOOR SHALL FACE IN THE SAME DIRECTION AS THE EXISTING CABINET. RECONNECT ALL EXISTING TRAFFIC SIGNAL WIRING PER CITY OF RENTON STANDARDS.
55. PULL SERVICE CONDUCTORS TO EXISTING JUNCTION BOX AND COIL 10- FEET OF SLACK IN JUNCTION BOX FOR SERVICE CONNECTION BY THE F. LINE FACILITIES PROJECT. LABEL CONDUCTORS IN JUNCTION BOX AS "F LINE ITS SERVICE."
56. INSTALL A 144CT PRE-TERMINATED FIBER PATCH PANEL IN EXISTING RAPIDRIDE ITS CABINET.
57. COIL 20' OF CAT5E CABLE IN THE BASE OF THE CONTROLLER CABINET.
58. INSTALL THE TWO CAT5E CABLES FOR FUTURE USE BY CITY OF RENTON IN THE MAST ARM. SEE DRAWING D7 FOR REFERENCE.
59. COORDINATE WITH LOCAL SERVICE PROVIDER ON POINT OF SERVICE CONNECTION.
60. INSTALL A NEW 1.5" RGS CONDUIT TO THE EDGE OF THE CONTROLLER CABINET FOUNDATION. STUB CONDUIT UP AND PUNCH CONDUIT INTO THE SIDE OF THE CONTROLLER CABINET BASE USING AN LB CONDULET. THE EXACT LOCATION OF THE CONDUIT INTO THE CABINET BASE SHALL BE CONFIRMED BY THE PROJECT REPRESENTATIVE. SEE DETAIL 3 ON DRAWING D6.
61. TERMINATE FIBERS 35 AND 36 OF THE 36CT FIBER OPTIC CABLE IN THE 24 PORT FIBER TERMINATION PANEL LABELED "OAKESDALE" TO THE UNUSED PORTS 1 AND 2 OF THE SAME PANEL. TERMINATE FIBERS 35 AND 36 SO THAT DATA PASSES FROM THE PANEL TO THE EAST OVER THE 36CT FIBER OPTIC CABLE ("SUNVALLEY"). PATCH FROM NEWLY TERMINATED PORTS 1 AND 2 OF THE 24CT PANEL LABELED "OAKESDALE" TO PORTS 11 AND 12 OF THE 24CT PANEL LABELED "CITY OF RENTON." BOTH PANELS HAVE SC/APC CONNECTORS.
62. REMOVE EXISTING COPPER TERMINATION CABINET, FOUNDATION, AND ASSOCIATED CONDUITS. RESTORE DISTURBED AREA WITH SIDEWALK PANEL.
63. REMOVE EXISTING COPPER INTERCONNECT FROM JUNCTION BOX TO THE CONTROLLER CABINET.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFIRMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: H. Yu	APPROVED:	SITE LOCATION NO.:
CHECKED: W. Miller	USER NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	USER REVISION: -	1" = 1'-0"
CONTRACT NO.:	CONTRACT NO.:	IF NOT ONE 1/4", SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

CONSTRUCTION NOTES

DATE: 10/23/12	DRAWING NO.:
	G3
	SHEET NO. OF 3 197

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THESE CONTRACT DOCUMENTS. ANY CHANGES FROM THE APPROVED DRAWINGS REQUIRE PRE-APPROVAL FROM KING COUNTY METRO, THE PROJECT REPRESENTATIVE, AND THE AGENCY WHERE CHANGES ARE BEING MADE.
- AT LEAST ONE WEEK BEFORE BEGINNING CONSTRUCTION, CONTACT THE PUBLIC WORKS UTILITIES INSPECTOR FOR THE JURISDICTION IN WHICH THE WORK WILL BE COMPLETED AND SCHEDULE A PRECONSTRUCTION MEETING.
- NOTIFY THE UTILITIES INSPECTOR FOR THE JURISDICTION IN WHICH THE WORK WILL BE COMPLETED AT LEAST 48 HOURS (2 WORKING DAYS) BEFORE STARTING PROJECT SITE WORK.
- REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS (1 CALENDAR DAY) IN ADVANCE BY CALLING THE AGENCY WHERE WORK IS TO BE DONE.
- THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY, AND DAMAGE TO STRUCTURES AND IMPROVEMENTS RESULTING FROM CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL HAVE THE PERMIT(S) AND CONDITIONS, THE APPROVED PLANS, AND A CURRENT COPY OF DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION STANDARDS OF THE AGENCY IN WHICH CONTRACTOR IS WORKING AVAILABLE AT THE JOB SITE.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF RECORD DRAWINGS ON-SITE.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS PRIOR TO PROJECT FINAL APPROVAL.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND STREET MAINTENANCE PLAN FOR PUBLIC WORKS APPROVAL BEFORE IMPLEMENTATION.
- THE CONTRACTOR SHALL REPLACE OR RELOCATE ALL SIGNS DAMAGED OR REMOVED DUE TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY IRRIGATION SYSTEM COMPONENTS DAMAGED DUE TO CONSTRUCTION ACTIVITIES.
- MANY 25-TA VAULTS IN THE CITY OF TUKWILA ARE WELDED SHUT. THE CONTRACTOR SHALL GRIND THE WELDS FOR ACCESS TO THE VAULTS TO INSTALL THE FIBER OPTIC CABLE. ONCE THE FIBER OPTIC CABLE IS INSTALLED, THE CONTRACTOR SHALL WELD THE VAULTS SHUT AND SHALL COLD GALVANIZE THE VAULT LID PER THE DIRECTION OF THE PROJECT REPRESENTATIVE. WELDS SHALL BE SPOT WELDS.

UTILITY NOTES

- LOCATE ALL UTILITIES BEFORE WORK BEGINS.
- ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES. ALL TRENCH SAFETY SYSTEMS SHALL MEET WISHA REQUIREMENTS.
- PLACE POWER, CABLE, FIBER OPTICS, AND TELEPHONE LINES IN A TRENCH WITH A 5' MINIMUM HORIZONTAL SEPARATION FROM OTHER UNDERGROUND UTILITIES.
- ADJUST ALL MANHOLES, CATCH BASINS, AND VALVES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS AFTER PAVING.

GRADING AND EROSION CONTROL NOTES

- THE EROSION PREVENTION AND SEDIMENT CONTROL (ESC) PLAN MUST BE DEVELOPED BY THE CONTRACTOR BEFORE WORK BEGINS. THIS PLAN MUST MEET MINIMUM REQUIREMENTS OF BOTH DEPARTMENT OF ECOLOGY AND AGENCY IN WHICH WORK IS BEING DONE.
- BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, ESTABLISH THE CLEARING LIMITS AND, WHERE APPLICABLE, INSTALL CONSTRUCTION ENTRANCE.
- BEFORE ANY GROUND DISTURBANCE OCCURS, ALL DOWNSTREAM EROSION PREVENTION AND SEDIMENT CONTROL MEASURES (ESC) MUST BE CONSTRUCTED AND IN OPERATION. INSTALL AND MAINTAIN ALL ESC MEASURES ACCORDING TO THE ESC PLAN.
- ESC MEASURES, INCLUDING ALL PERIMETER CONTROLS, SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETED AND PERMANENT STABILIZATION IS ESTABLISHED.
- FROM MAY 1 THROUGH SEPTEMBER 30, PROVIDE TEMPORARY AND PERMANENT COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR SEVEN DAYS OR MORE.
- FROM OCTOBER 1 THROUGH APRIL 30, PROVIDE TEMPORARY AND PERMANENT COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR TWO DAYS OR MORE. IN ADDITION TO COVER MEASURES, THE CONTRACTOR SHALL:
 - PROTECT STOCKPILES AND STEEP CUT AND FILL SLOPES IF UNWORKED FOR MORE THAN 12 HOURS.
 - STOCKPILE, ON SITE, ENOUGH COVER MATERIALS TO COVER ALL DISTURBED AREAS.
- BY OCTOBER 8, SEED ALL AREAS THAT WILL REMAIN UNWORKED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). MULCH ALL SEEDING AREAS.

BRIDGE CONDUIT ATTACHMENT NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, CURRENT EDITION.
- ALL STEEL IN UTILITY SUPPORTS, INCLUDING FASTENINGS AND ANCHORAGES, SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-111 OR M-232 (ASTM A-123 OR A-153 RESPECTIVELY).
- ALL UTILITIES AND UTILITY SUPPORT SURFACES, INCLUDING ANY GALVANIZED UTILITIES, SHALL BE PAINTED PER WSDOT STANDARD SPECIFICATION, SECTION 6-07.3(11). THE FINAL COAT SHALL MATCH THE EXISTING SURFACE COLOR.
- GALVANIZED METAL UTILITIES, WHICH ARE COMPLETELY HIDDEN FROM PUBLIC VIEW, ARE EXEMPTED FROM THE ABOVE PAINTING REQUIREMENTS.
- ANY PAINTED SURFACES DAMAGED DURING CONSTRUCTION SHALL BE CLEANED AND PAINTED AS NOTED ABOVE.
- ANY PAINT SPLATTERS SHALL BE REMOVED FROM THE BRIDGE.
- EXTREME CAUTION SHALL BE USED BY THE CONTRACTOR WHEN EXCAVATING NEAR THE ABUTMENT AND PIER.
- EXCAVATION SHALL NOT EXTEND BELOW THE BOTTOM OF THE FOOTINGS.
- NO WELDING TO ANY MEMBER SHALL BE PERMITTED.
- HOLES IN THE STIFFENERS SHALL BE DRILLED. THE USE OF A TORCH TO CUT HOLES IN THE STIFFENERS IS NOT PERMITTED. DRILLING INTO ANY OTHER MEMBERS ON THE BRIDGE SUCH AS THE WEBS OR FLANGES OF THE GIRDERS IS NOT PERMITTED.
- DRILLING INTO PRE-STRESSED CONCRETE MEMBERS IS NOT PERMITTED.
- DRILLING THROUGH REINFORCING STEEL IS NOT PERMITTED. IF STEEL IS HIT WHEN DRILLING, THE ANCHORAGE LOCATION SHALL BE MOVED AND ABANDONED HOLE SHALL BE FILLED WITH NONSHRINK GROUT CONFORMING TO THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION. CONDUIT ANCHORS SHALL BE ATTACHED TO PIERS USING RESIN BOND ANCHORS.

WORK IN RIGHT-OF-WAY

- DEVELOP A DETAILED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE AGENCY OF IN WHICH WORK IS TO BE DONE PRIOR TO WORK BEGINNING. USE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND MUTCD GUIDELINES IN DEVELOPING THE TRAFFIC CONTROL PLAN. THE PLAN MUST BE APPROVED BEFORE ANY WORK BEGINS.
- ANY LANE CLOSURES WITHIN THE CITY OF SEACAT WILL REQUIRE AN OFF-DUTY POLICE OFFICER AND POLICE CAR. TRAFFIC CONTROL PLANS SHALL REFLECT REQUIREMENTS OF THE LOCAL AGENCY IN WHICH THE WORK IS PERFORMED.
- WHEN THE WORK SITE IS UNATTENDED, INSTALL A SIGN WITH MINIMUM TWO-INCH LETTERS STATING PERMITTEE OR COMPANY NAME AND DAY AND EVENING PHONE NUMBERS.
- INSTALL BARRICADES, SIGNS, WARNING LIGHTS, AND SAFETY DEVICES SUFFICIENT TO NOTIFY PUBLIC OF OBSTRUCTION OR TRAFFIC HAZARD. DEVICES MUST REMAIN UNTIL THE OBSTRUCTION IS CLEARED AND THE RIGHT-OF-WAY IS RESTORED.
- MAINTAIN ACCESS TO FIRE STATIONS, FIRE HYDRANTS, FIRE ESCAPES, AND FIRE FIGHTING EQUIPMENT.
- MAINTAIN ACCESS TO PROPERTY ADJOINING EXCAVATION OR SITE WORK.
- PRESERVE AND PROTECT ALL PROPERTY ADJOINING EXCAVATION OR SITE WORK.
- RESTORE DISTURBANCE TO PRIVATE AND PUBLIC PROPERTY BACK TO PRECONSTRUCTION CONDITIONS OR BETTER.
- DISTURBANCE OF SURVEY MONUMENTS AND MARKERS REQUIRES THE CITY AGENCY PRE-APPROVAL. A LICENSED SURVEYOR SHALL REPLACE DISTURBED MONUMENTS AND MARKERS.
- COMPLY WITH ALL STATE AND CITY LAWS AND PROCEDURES TO PROTECT PUBLIC FROM AIR, WATER AND NOISE POLLUTION.
- INSTALL TEMPORARY SIDEWALK OR CURB RAMP IF PERMANENT IS BLOCKED.
- COVER OPEN EXCAVATION WITH NON-SKID STEEL PLATES. STOCKPILED MATERIAL SHALL BE STORED IN A SAFE MANNER TO PROTECT THE PUBLIC.

PAVEMENT RESTORATION NOTES

- COMPACT BACKFILL TO COMPACTION OF UNDISTURBED GROUND OR COMPACT BACKFILL TO MEET STANDARDS OF AGENCY IN WHICH WORK IS BEING DONE.
- RESTORE PAVEMENT TO ITS ORIGINAL CONDITION IMMEDIATELY FOLLOWING BACKFILLING OR WHEN CONCRETE IS CURED.
- EXCEPT FOR WINTER OR OTHER WEATHER CONDITIONS WHICH PREVENT PAVING, COMPLETE PAVING, RESURFACING, OR FACILITY REPLACEMENT:
 - ON PRINCIPAL ARTERIAL, MAJOR OR COLLECTOR STREET WITHIN 3 CALENDAR DAYS.
 - ON OTHER STREETS WITHIN 7 CALENDAR DAYS.
- FOR WORK PREVENTED DUE TO WEATHER:
 - PROVIDE A TEMPORARY PATCH.
 - PROVIDE A CONSTRUCTION SCHEDULE ADDRESSING MEANS AND METHODS TO MINIMIZE TRAFFIC DISRUPTION AND TO COMPLETE WORK AS QUICKLY AS POSSIBLE.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR/MCP 1/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
APPROVED:		SITE LOCATION NO.:
CHECKED: H. Yu	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED: W. Miller	WORK NUMBER:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRID ITS CORRIDOR IMPROVEMENT

STANDARD NOTES

DATE:	10/23/12
DRAWING NO.:	G4
SHEET NO. OF	4 197

CITY OF BURIEN

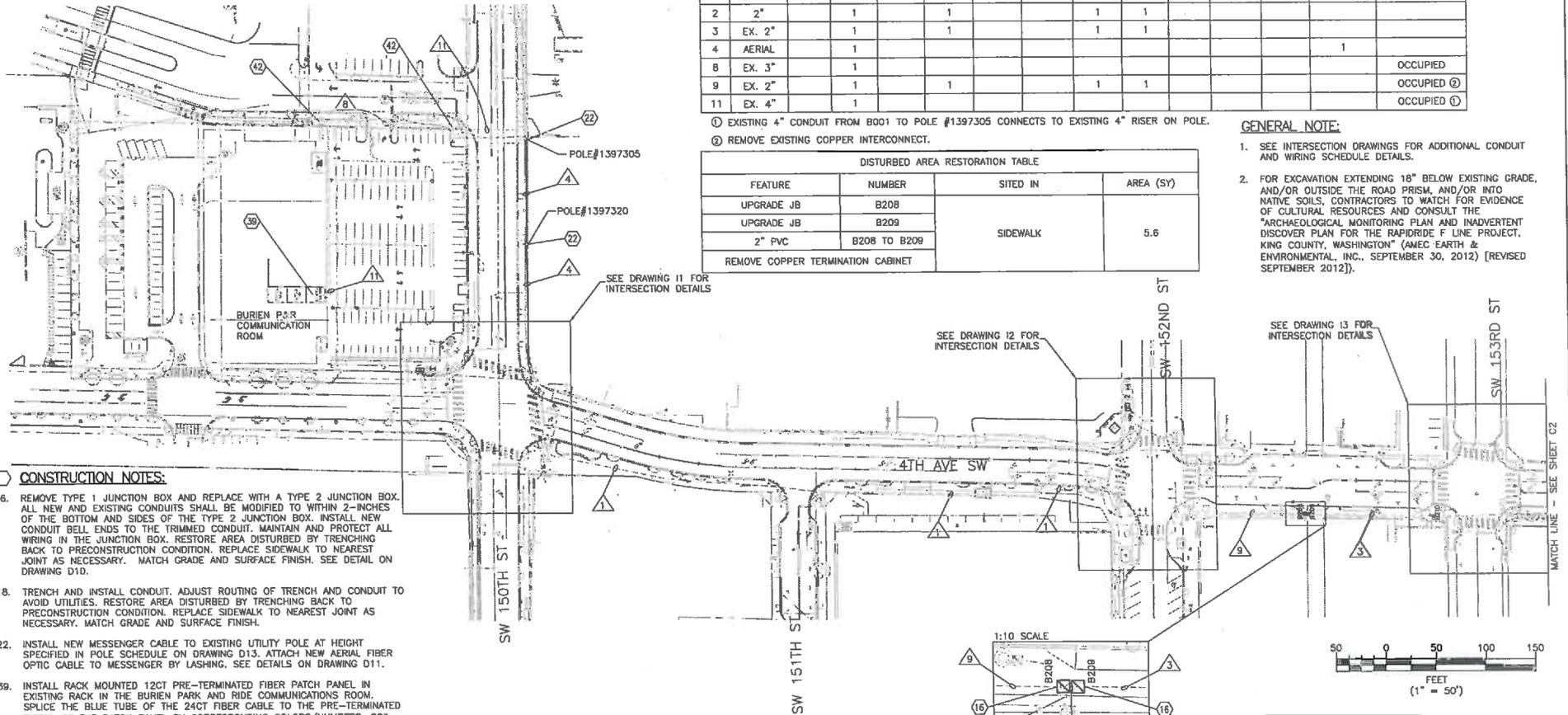
CONDUIT AND WIRING SCHEDULE														
CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE	MESSENGER CABLE
1	EX. 2"		1		1									OCCUPIED ②
2	2"		1		1			1	1					
3	EX. 2"		1		1			1	1					
4	AERIAL		1										1	
8	EX. 3"		1											OCCUPIED
9	EX. 2"		1		1			1	1					OCCUPIED ②
11	EX. 4"		1											OCCUPIED ①

- ① EXISTING 4" CONDUIT FROM BOO1 TO POLE #1397305 CONNECTS TO EXISTING 4" RISER ON POLE.
- ② REMOVE EXISTING COPPER INTERCONNECT.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	B208	SIDEWALK	5.6
UPGRADE JB	B209		
2" PVC	B208 TO B209		
REMOVE COPPER TERMINATION CABINET			

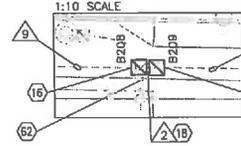
GENERAL NOTE:

- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVER PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012) [REVISED SEPTEMBER 2012].



CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
- INSTALL RACK MOUNTED 12CT PRE-TERMINATED FIBER PATCH PANEL IN EXISTING RACK IN THE BURIEN PARK AND RIDE COMMUNICATIONS ROOM. SPLICE THE BLUE TUBE OF THE 24CT FIBER CABLE TO THE PRE-TERMINATED PIGTAIL OF THE PATCH PANEL BY CORRESPONDING COLORS/NUMBERS. COIL 50' OF SLACK FIBER CABLE AND INSTALL RACKING HARDWARE TO STORE SLACK FIBER CABLE.
- COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
- REMOVE EXISTING COPPER TERMINATION CABINET, FOUNDATION, AND ASSOCIATED CONDUITS. RESTORE DISTURBED AREA WITH SIDEWALK PANEL.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR MCP 1/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: M. Powers	CONTRACT NO: C00759C12
ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		



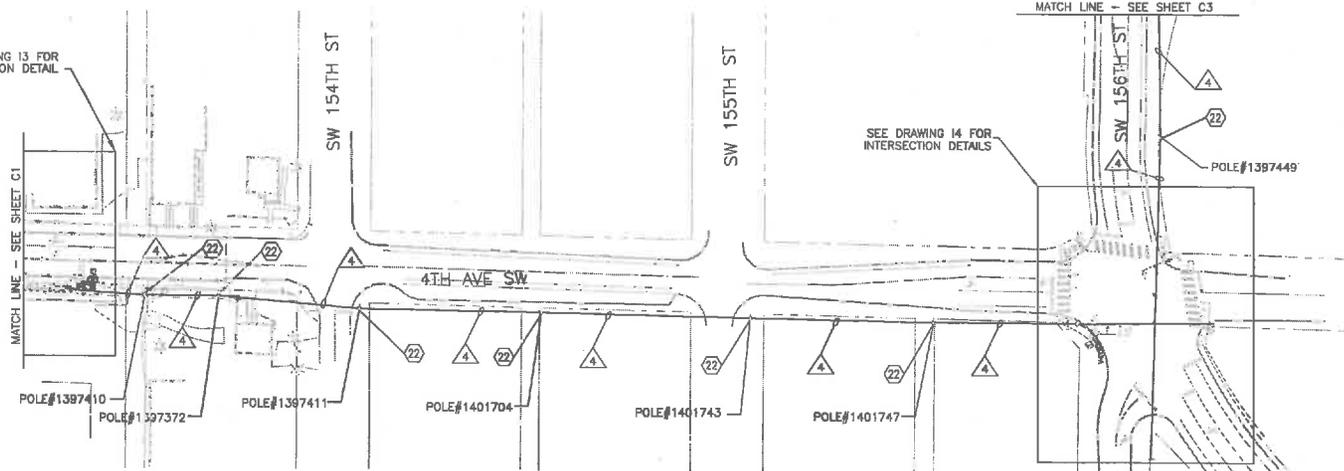
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: C1
SHEET NO. OF 6 197

H:\G\Projects\11\1183-000 uc F-Line RapidRide\Drawings\ELECT-ELEC-plans.dwg | Layout: C1 |
 PLOTTED: Jun 21, 2012 01:33:36pm By: mdr

CITY OF BURIEN

SEE DRAWING 13 FOR INTERSECTION DETAIL



SEE DRAWING 14 FOR INTERSECTION DETAILS

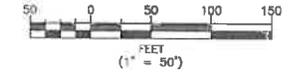
GENERAL NOTE:

- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.

CONSTRUCTION NOTES:

- INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.

CONDUIT AND WIRING SCHEDULE														
CONDUIT		NEW WIRE									REMARKS			
CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS ^e	12PR	1PR	#8	#8 GROUND				
4	AERIAL				1								1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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1-800-424-5555
UNDERGROUND SERVICE (USA)

H:\MD\Projects\111163-0001-0001-0001-F-Line RapidRide ITS-Corridor\Drawings\CONFORMED Set\Fiber_Routing_Plan.dwg | Layout: C2 |
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CONFORMED FOR CONSTRUCTION		MDR MCP 1/22/13	
No.	REVISION	BY	APP'D DATE



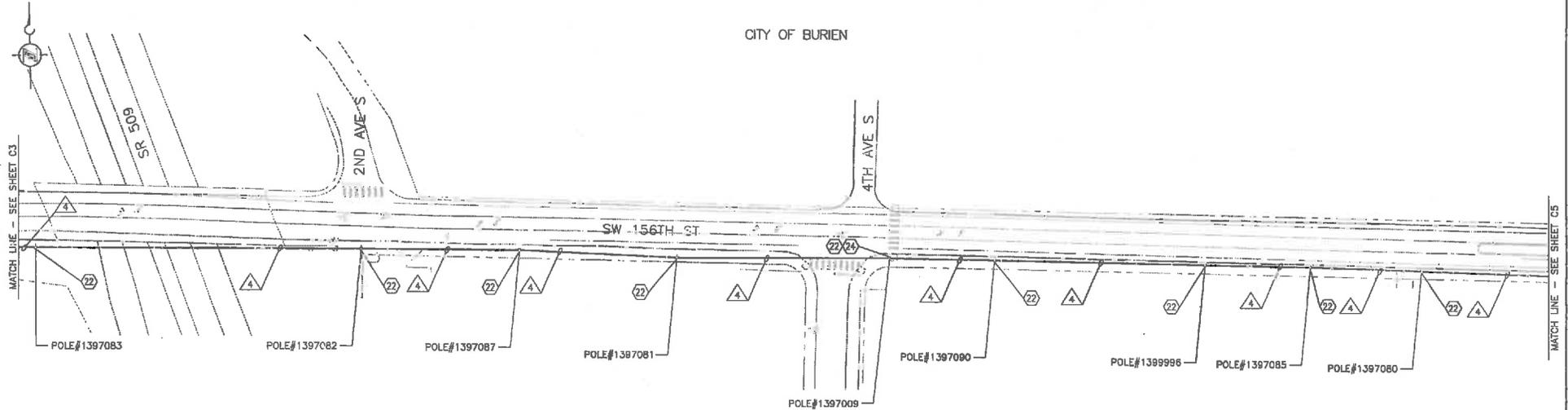
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: C2
SHEET NO. OF 7 197

CITY OF BURIED



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
4 AERIAL					1								1

CONSTRUCTION NOTES:

- 22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
- 24. INSTALL FIBER SNOWSHEDS FOR CABLE SLACK STORAGE AS INDICATED ON THE FIBER OPTIC ROUTING SCHEMATIC ON DRAWINGS F2. SEE DETAILS ON DRAWING D11.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

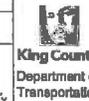
1-800-424-5555
UNIFORMED SERVICES (USG)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	8/22/13
No.	REVISION	BY	APPD	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

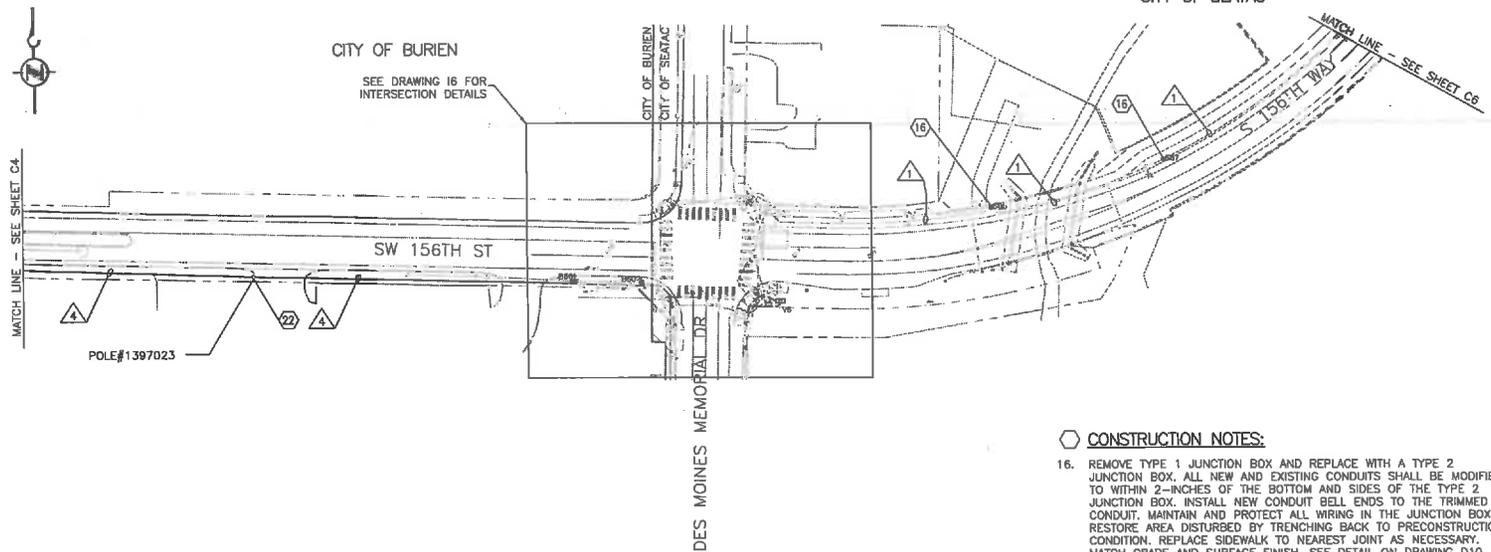


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: C4
SHEET NO. OF 9 197

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CONSTRUCTION NOTES:

- 16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- 22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.

GENERAL NOTE:

- 1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- 2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVER PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012) [REVISED SEPTEMBER 2012].

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	S06	LANDSCAPE	2.0
UPGRADE JB	S07	LANDSCAPE	2.0

CONDUIT AND WIRING SCHEDULE															
CONDUIT	NEW WIRE												REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#8 GROUND	PULL TAPE		MESSENGER CABLE	
1	EX. 2"				1									1	OCCUPIED
4	AERIAL				1										



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
710 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	CONTRACT NO.:C00759C12	ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY



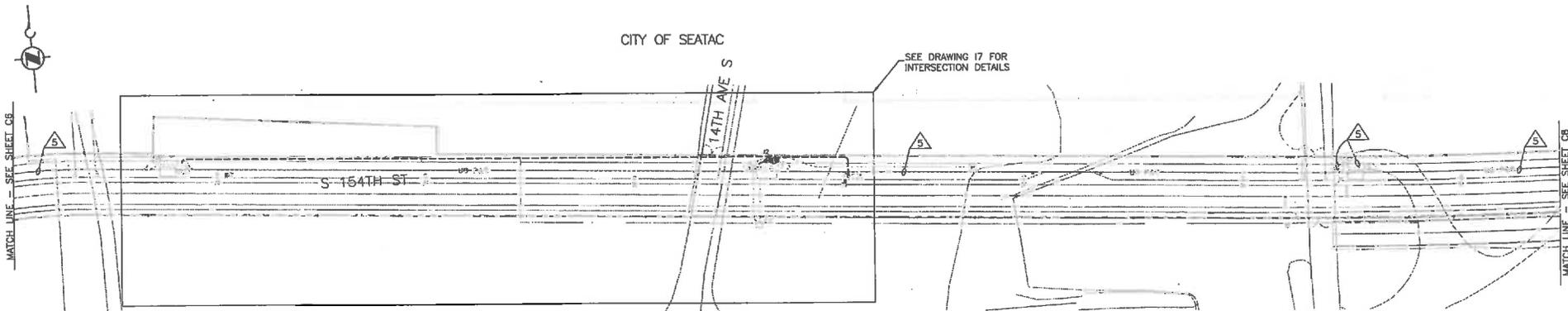
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C5
SHEET NO. OF:	10 197

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 PLOTTED: Jan 21, 2013 10:34:17am By: mdr

CITY OF SEATAC

SEE DRAWING I7 FOR INTERSECTION DETAILS



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVER PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012) [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#8 GROUND		PULL TAPE
5	EX. 4"				1							1	INSTALL IN EXISTING EMPTY 1-INCH INNERDUCT WITH PULL TAPE



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksassociates.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUEST:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

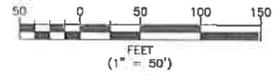
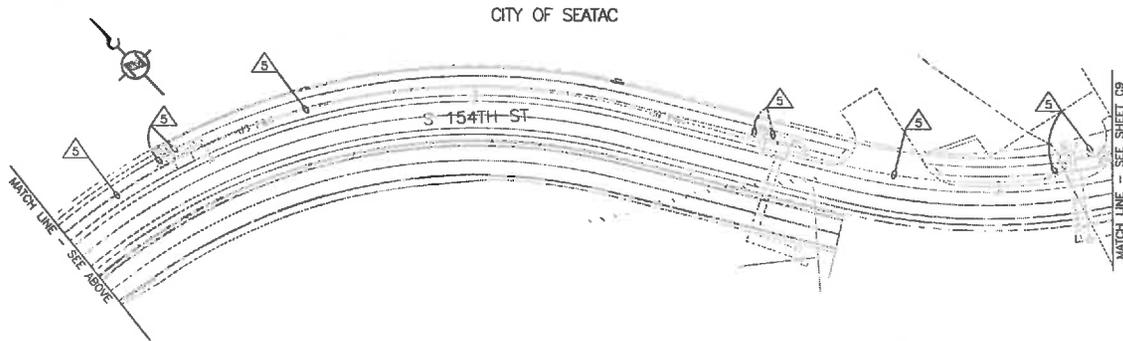
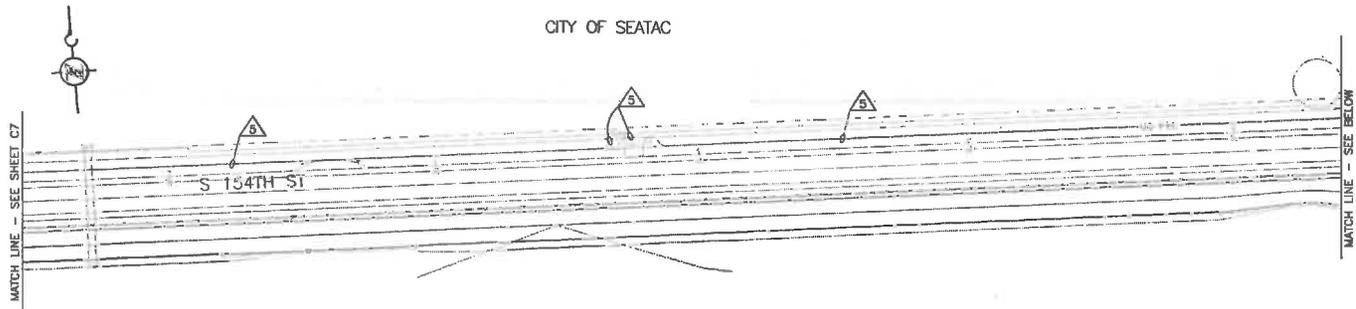


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C7
SHEET NO. OF:	12 197

H:\3.1 Projects\111103-000 SC F-Line RapidRide ITS-ELEC_pblans.dwg | Layout: C7 |
 PLOT: 2013-01-30 10:30:37pm By mfr

K:\Projects\111113-000_MCF-Line_RapidRide(C)\Drawings\Conformed_S&V\LINE_ITS_ELEC_plans.dwg | Layout: C16 |
 PLO:rc, Jan 21, 2013 10:58:49pm By: mlr



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE								REMARKS			
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
5	EX. 4"				1							1	INSTALL IN EXISTING EMPTY 1-INCH INNERDUCT WITH FULL TAPE

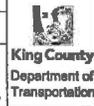
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

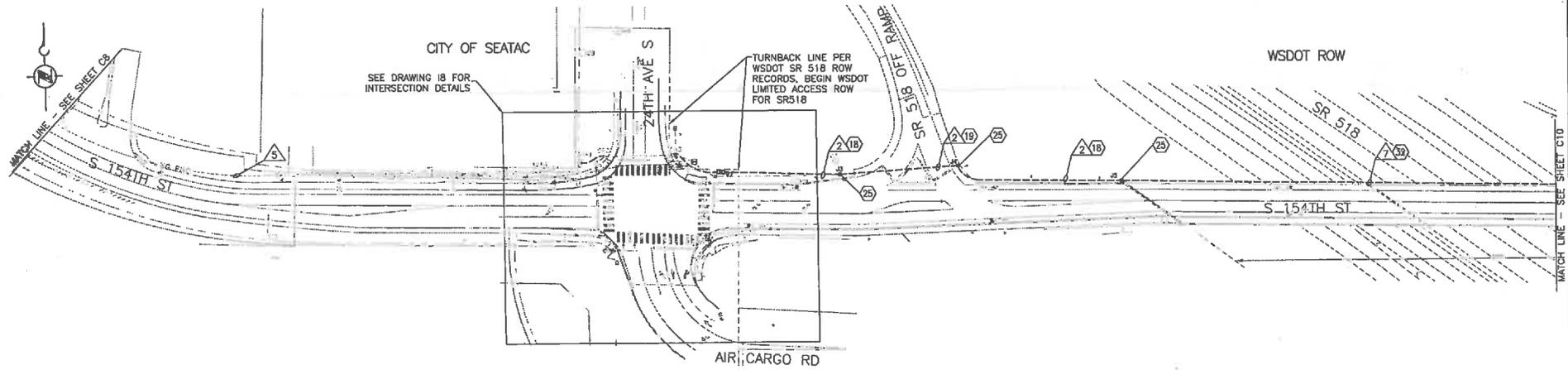


DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	REV. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO.:
C8
SHEET NO. OF 13 197



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. SEE TRAFFIC CONTROL DRAWINGS TC1-TC4 FOR CONDUIT INSTALLATION ON THE S 154TH ST BRIDGE OVER SR518 (WSDOT BRIDGE NO. 518/13).

CONSTRUCTION NOTES:

18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
19. BORE AND INSTALL CONDUIT. ADJUST BORE TO AVOID UTILITIES AS NEEDED. RESTORE AREA DISTURBED BY BORING OPERATIONS BACK TO PRECONSTRUCTION CONDITION.
25. INSTALL TYPE 2 JUNCTION BOX. ALL NEW CONDUIT SHALL BE INSTALLED WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX. INSTALL BELL ENDS ON CONDUIT. RESTORE AREA DISTURBED BY TRENCHING TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
32. MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B1 AND B2.

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
BORE PIT AND INSTALL JB	J3	LANDSCAPE	11.1
BORE PIT AND INSTALL JB	J4	LANDSCAPE	11.1
INSTALL JB	J5	LANDSCAPE	2.0
2" PVC	J4 TO J5	LANDSCAPE	18.7

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
2	2"				1							1	
5	EX. 4"				1							1	INSTALL IN EXISTING EMPTY 1-INCH INNERDUCT WITH PULL TAPE
7	2" RGS				1							1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNIFORMED SERVICE (USA)

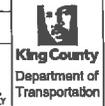
Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 352-0800
www.dksengineering.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

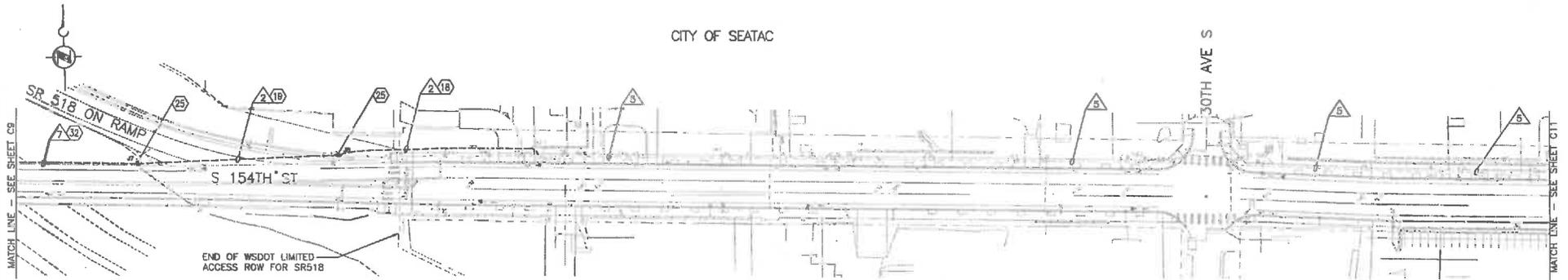


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: CS
SHEET NO. OF 14 197

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CITY OF SEATAC



GENERAL NOTE:

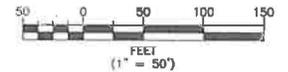
- SEE TRAFFIC CONTROL DRAWINGS TC1-TC4 FOR CONDUIT INSTALLATION ON THE S 154TH ST BRIDGE OVER SR518 (WSDOT BRIDGE NO. 518/13).
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVER PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012) [REVISED SEPTEMBER 2012]].

CONSTRUCTION NOTES:

- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- BORE AND INSTALL CONDUIT. ADJUST BORE TO AVOID UTILITIES AS NEEDED. RESTORE AREA DISTURBED BY BORING OPERATIONS BACK TO PRECONSTRUCTION CONDITION.
- INSTALL TYPE 2 JUNCTION BOX. ALL NEW CONDUIT SHALL BE INSTALLED WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX. INSTALL BELL ENDS ON CONDUIT. RESTORE AREA DISTURBED BY TRENCHING TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B1 AND B2.

FEATURE	NUMBER	SITED IN	AREA (SY)
BIORE PIT AND INSTALL JB	J7	LANDSCAPE	11.1
BIORE PIT AND INSTALL JB	JB	LANDSCAPE	11.1
2" PVC	JB TO S61	LANDSCAPE	23.3

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
2	2"				1							1	
5	EX. 4"				1							1	
7	2" RGS				1							1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNRECORDED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	11/22/13
No.	REVISION	BY	APPD	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED: M. Powers	CONTRACT NO.:
		CO0759C12

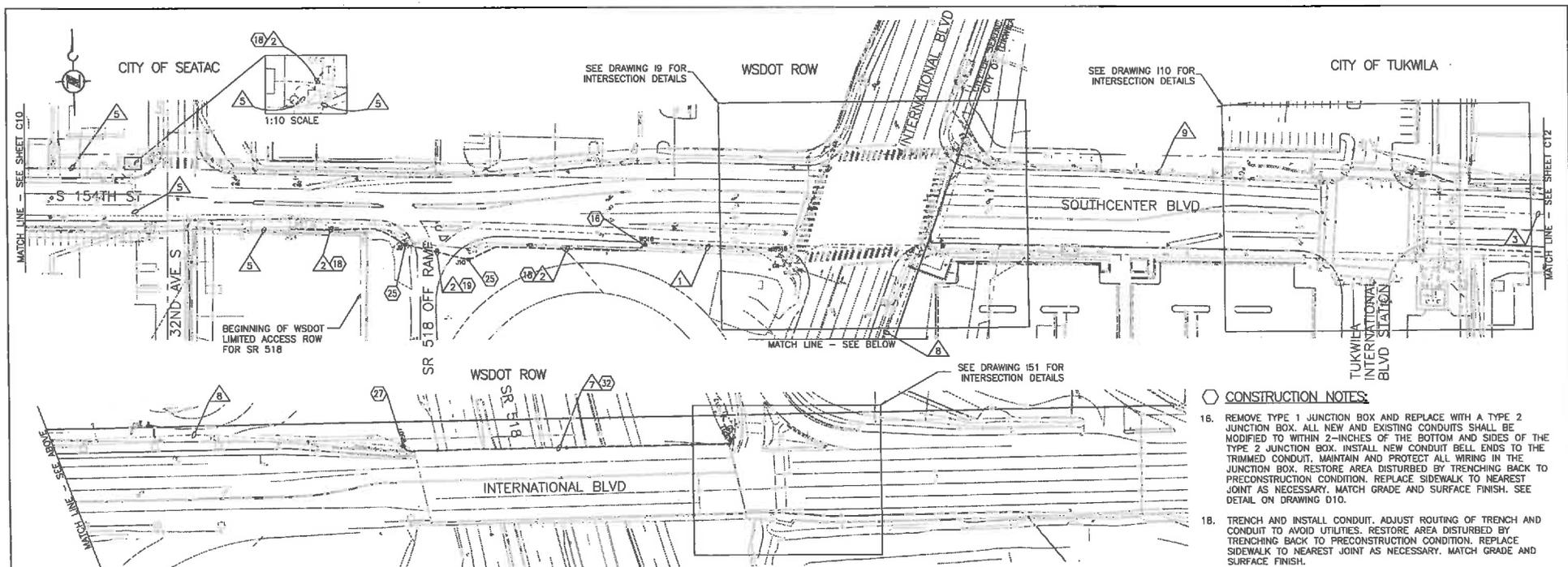


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C10
SHEET NO. OF:	15 197

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H:\(G) Projects\11\1103-000 KC F-Line RapidRideA\CD\Drawings\ITS-ELEC-plans.dwg | Layout: C11 |
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GENERAL NOTE:

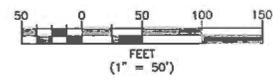
- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- SEE TRAFFIC CONTROL DRAWINGS TCS-TCS FOR CONDUIT INSTALLATION ON INTERNATIONAL BLVD BRIDGE OVER SR518 (WSDOT BRIDGE NO. 99/500).
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012) [REVISED SEPTEMBER 2012]).

CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- BORE AND INSTALL CONDUIT. ADJUST BORE TO AVOID UTILITIES AS NEEDED. RESTORE AREA DISTURBED BY BORING OPERATIONS BACK TO PRECONSTRUCTION CONDITION.
- INSTALL TYPE 2 JUNCTION BOX. ALL NEW CONDUIT SHALL BE INSTALLED WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX. INSTALL BELL ENDS ON CONDUIT. RESTORE AREA DISTURBED BY TRENCHING TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B3 AND B4.

FEATURE	NUMBER	SITED IN	AREA (SY)
2" PVC	S65 TO S66	LANDSCAPE	0.6
2" PVC	S68 TO J9	LANDSCAPE	13.2
BORE PIT AND INSTALL JB	J9	SIDEWALK	8.0
BORE PIT AND INSTALL JB	J10	LANDSCAPE	11.1
2" PVC	J10 TO W516	LANDSCAPE	18.9
UPGRADE JB	W516	SIDEWALK	11.6
UPGRADE JB	W507	LANDSCAPE	3.1

CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE	
1 EX. 2"					1									OCCUPIED
2 2"					1								1	
3 EX. 2"					1								1	
5 EX. 4"					1								1	
7 2" RGS						1							1	
8 EX. 3"						1								OCCUPIED
9 EX. 2"					1									OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNIVERSITY MICROFILMS INTERNATIONAL SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR MCP 1/22/13
No.	REVISION	BY APP'D DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 382-0800
www.dksinc.com



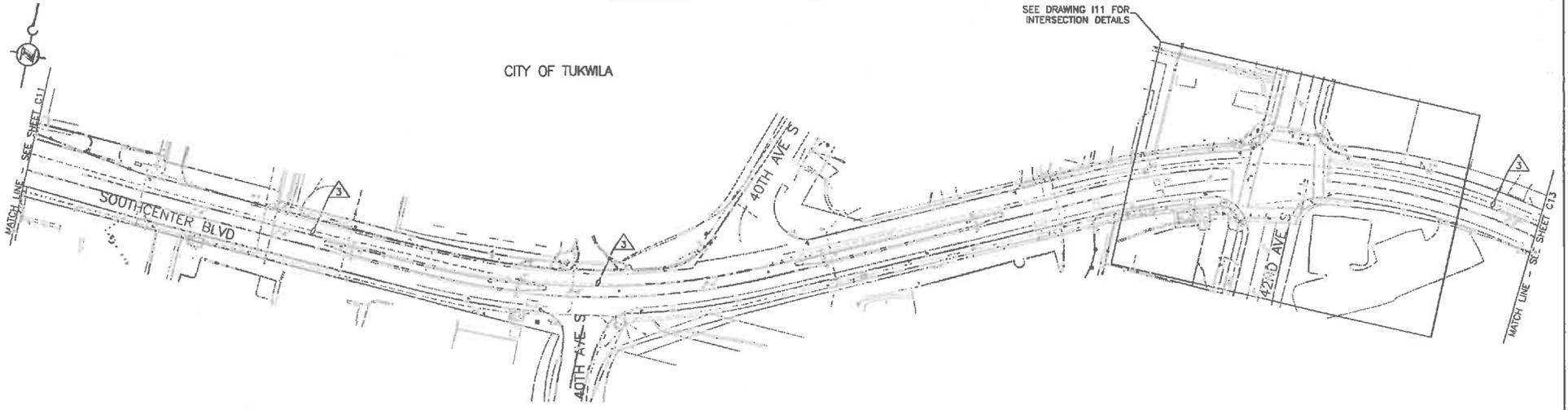
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SAFE LOCATION NO:
CHECKED: M. Powers	IBS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WIRE REQUIRED: -	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	COO759C12	

King County
 Department of Transportation

METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

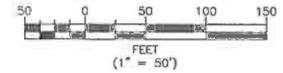
DATE: 10/23/12
 DRAWING NO: C11
 SHEET NO: OF 16 197



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
3	EX. 2"				1							1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNCOMMON SENSE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	5/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	ISS REQUIRED: -	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO: C00759C12	

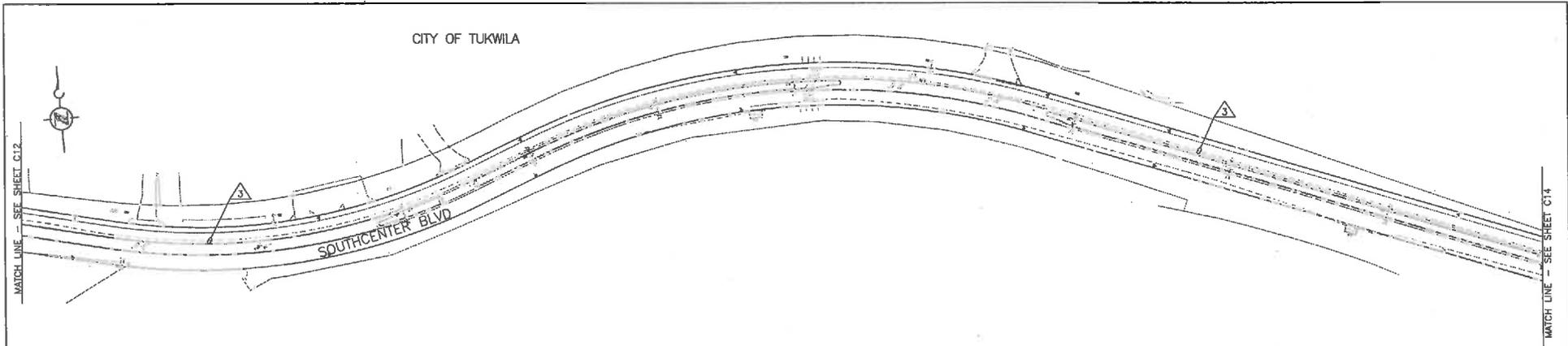


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: C12
SHEET NO: OF 17 197

I:\MCP\Projects\1311185-C00-RC-F-Line RapidRide\GIS\Drawings\SHA\FINAL\ITS-ELEC_planning | L:\proj\1311185-C12\

H:\C:\Projects\11\11183-000 KC F-Line RapidRide\GIS\Conformed Set\VF\LINE_ITS-ELEC_plans.dwg | Layout: C13
 PLOTID: Jan 21, 2015 - 01:38:22pm E: mdr



CITY OF TUKWILA

SOUTHCENTER BLVD

CONDUIT AND WIRING SCHEDULE

CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
3	EX. 2"				1							1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE


 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 382-8800
 www.dksconcrete.com

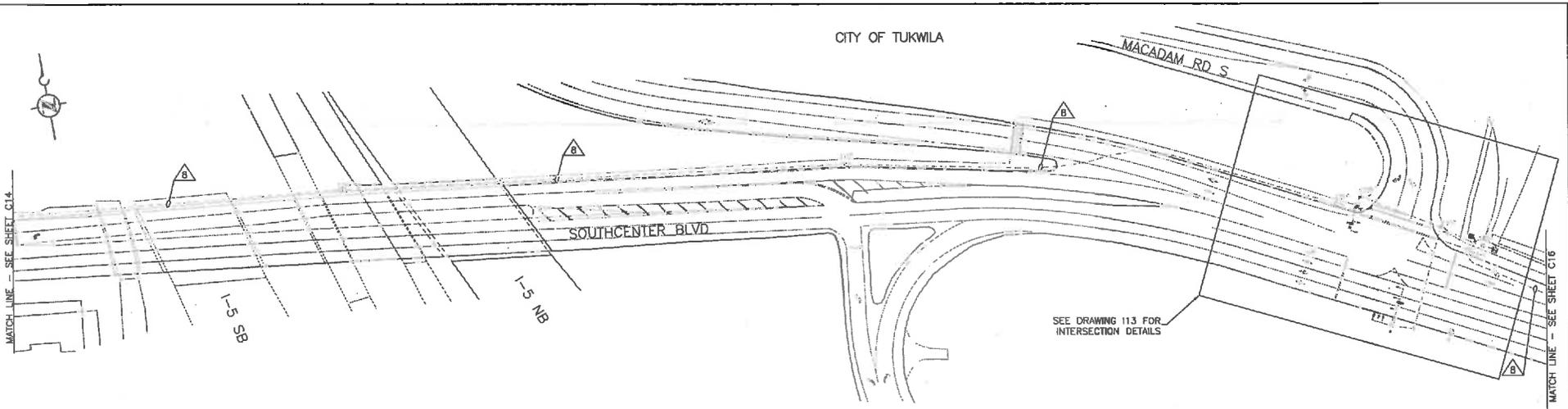


DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION: -	1"
	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO:	C13
SHEET NO. OF	18 197



GENERAL NOTE:
 1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
8	EX. 3"				1								OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNINCORPORATED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 382-8880
 www.dksassoc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SEE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	DATE REVISION: -	IF NOT ONE INCH SCALE ACCORDINGLY
	CONTRACT NO: C00759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

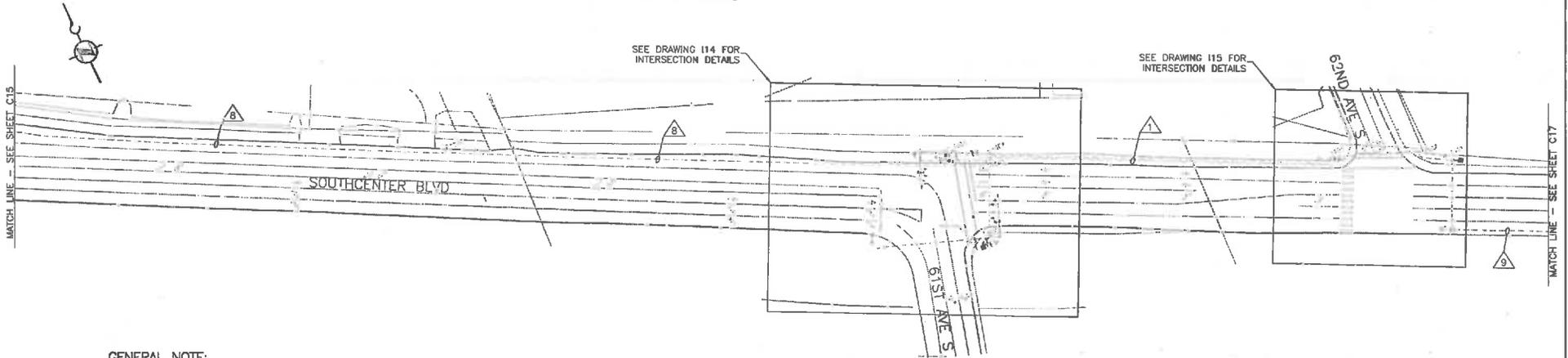
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DRAWING NO:	C15
SHEET NO. OF	20 197

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CITY OF TUKWILA

SEE DRAWING 114 FOR INTERSECTION DETAILS

SEE DRAWING 115 FOR INTERSECTION DETAILS

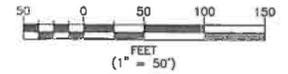


GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#6 GROUND		PULL TAPE
1	EX. 2"				1					2	1		OCCUPIED
8	EX. 3"				1								OCCUPIED
9	EX. 2"					1							OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-8855
UNDERGROUND SERVICE (USG)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MOR MCP 11/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION:	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:
10/23/12

DRAWING NO.
C16
SHEET NO. OF
21 197



MATCH LINE - SEE SHEET C16

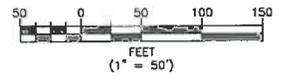
CITY OF TUKWILA

65TH AVE S

SOUTHCENTER BLVD

MATCH LINE - SEE SHEET C18

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
9	EX. 2"					1							OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICES (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 352-8800
www.dksaerial.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	REVISIONS: -	ONE INCH AT FULL SIZE 1" = 1" IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO.:	C00759C12



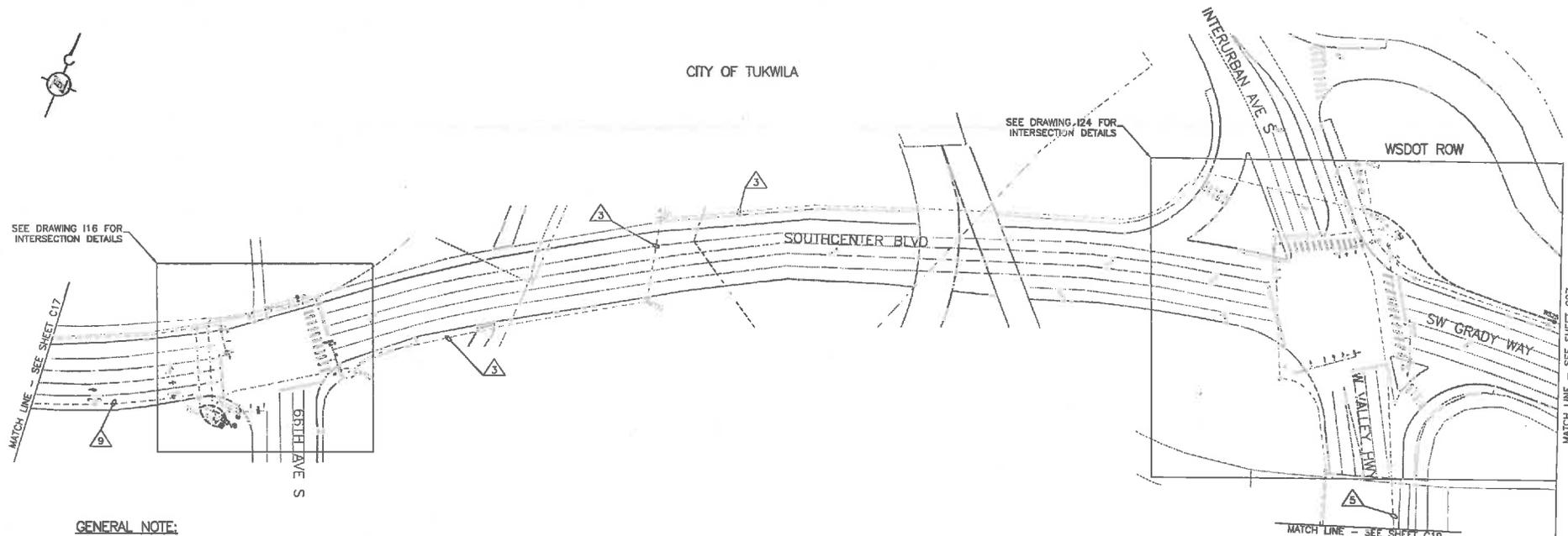
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C17
SHEET NO. OF	22 197

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 PLOTED: Jan 21, 2013 10:13:11 AM By mtr



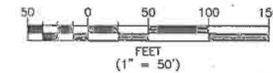
CITY OF TUKWILA



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. ALL EXISTING CONDUITS SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY THE CITY OF TUKWILA.

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
3	EX. 2"					1						1	
5	EX. 4"				1							4	INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT
9	EX. 2"					1							OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
LACORPORAL SERVICE (USA)

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 10/23/12 10:54:11 AM By: mdr

CONFIRMED FOR CONSTRUCTION		MDR MCP 1/22/13	
No.	REVISION	BY	APP'D DATE

719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 382-0800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED: -	ISS. REASON: -	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

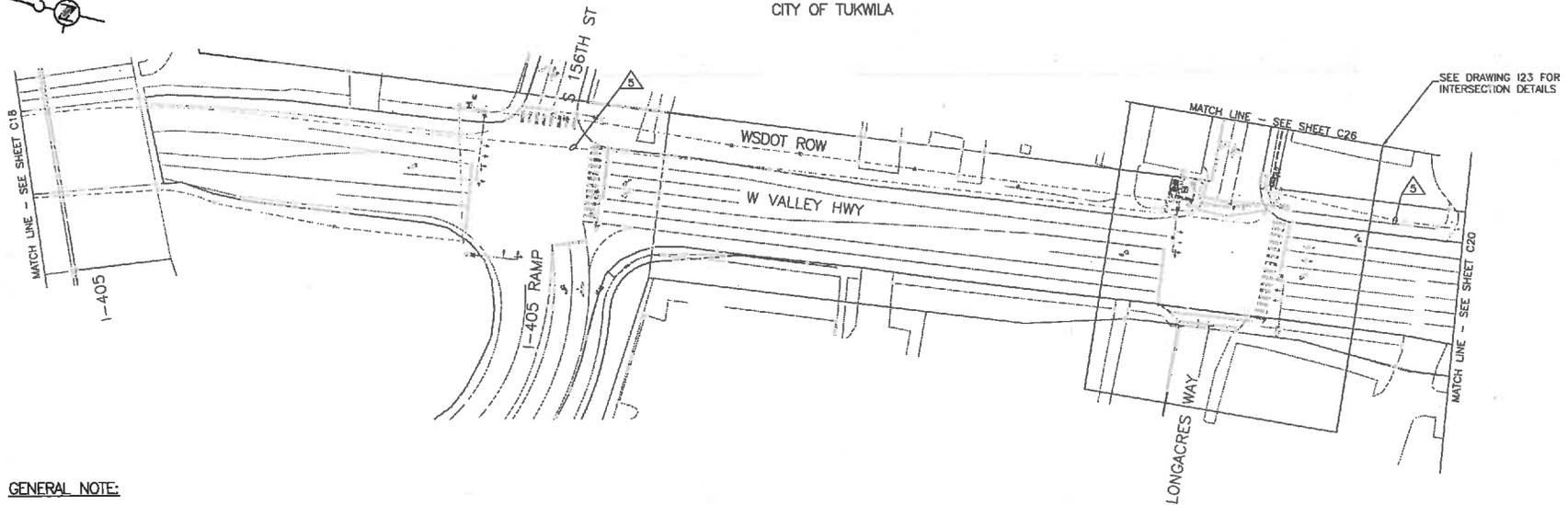


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C18
SHEET NO. OF:	23 197



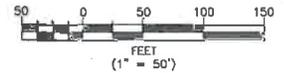
CITY OF TUKWILA



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. ALL EXISTING CONDUITS SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY THE CITY OF TUKWILA.
3. SEE TRAFFIC CONTROL DRAWINGS TC11-TC14 FOR WORK COMPLETED ON WEST VALLEY HIGHWAY (SR 181).

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
5	EX. 4"				1							4	INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1202
Seattle, Washington 98104
(206) 362-8900
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	DES. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



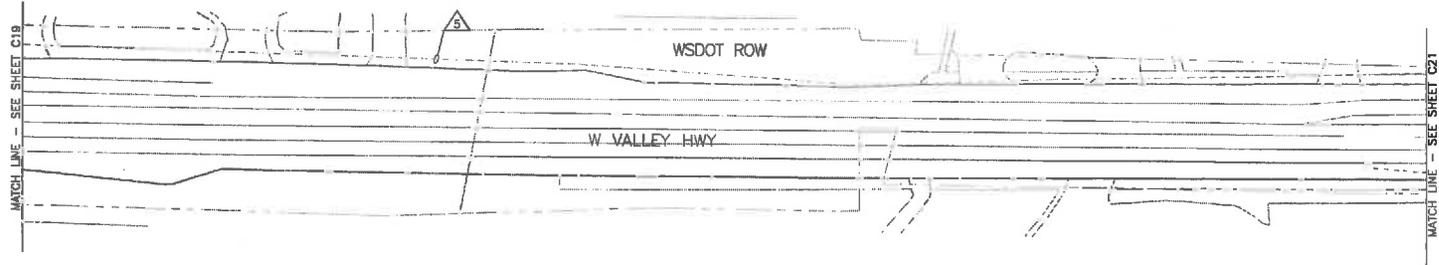
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C19
SHEET NO. OF:	24 197

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 PLOTED: Jan 21, 2013 - 01:17:31pm By mdr



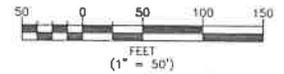
CITY OF TUKWILA



GENERAL NOTE:

1. ALL EXISTING CONDUITS SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY THE CITY OF TUKWILA.
2. SEE TRAFFIC CONTROL DRAWINGS TC11-TC14 FOR WORK COMPLETED ON WEST VALLEY HIGHWAY (SR 181).

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#6 GROUND	PULL TAPE	
5	EX. 4"				1							4	INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



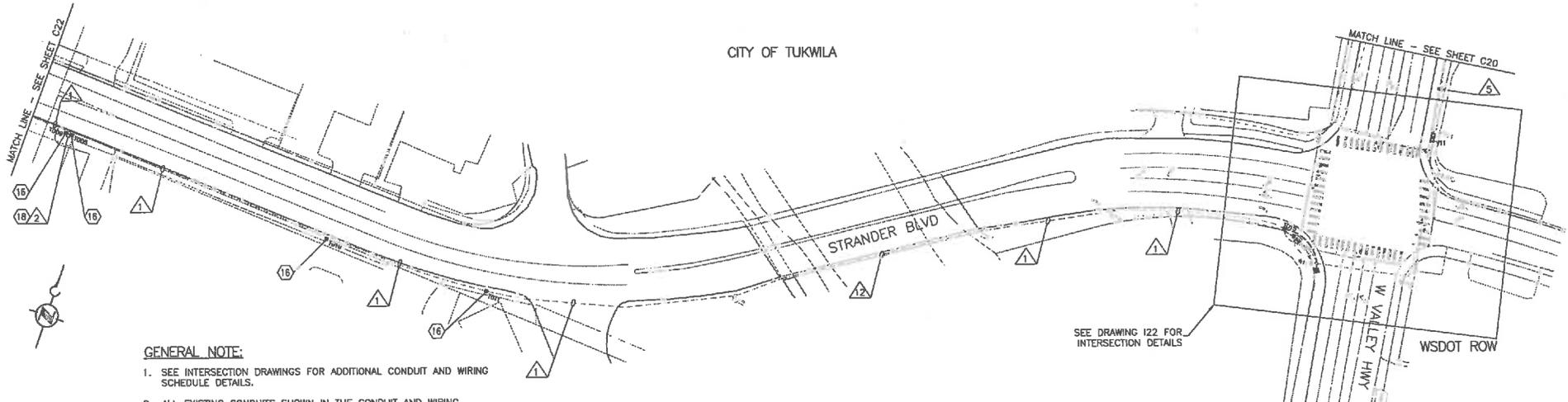
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C20
SHEET NO. OF	25 197

CITY OF TUKWILA



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. ALL EXISTING CONDUITS SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY THE CITY OF TUKWILA.
3. SEE TRAFFIC CONTROL DRAWINGS TC11-TC14 FOR WORK COMPLETED ON WEST VALLEY HIGHWAY (SR 181).
4. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

SEE DRAWING 122 FOR INTERSECTION DETAILS

CONSTRUCTION NOTES:

16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	T005	SIDEWALK	6.7
2" PVC	T009 TO T005		
UPGRADE JB	T009	LANDSCAPE	2.0
UPGRADE JB	T010	LANDSCAPE	2.0
UPGRADE JB	T011	LANDSCAPE	2.0

CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS#	12PR	1PR	#8	#8 GROUND		PULL TAPE		
△	EX. 2"		1												OCCUPIED
	2"		1									1			
	EX. 4"				1							4			INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT
	EX. 6"		1												OCCUPIED

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER:	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

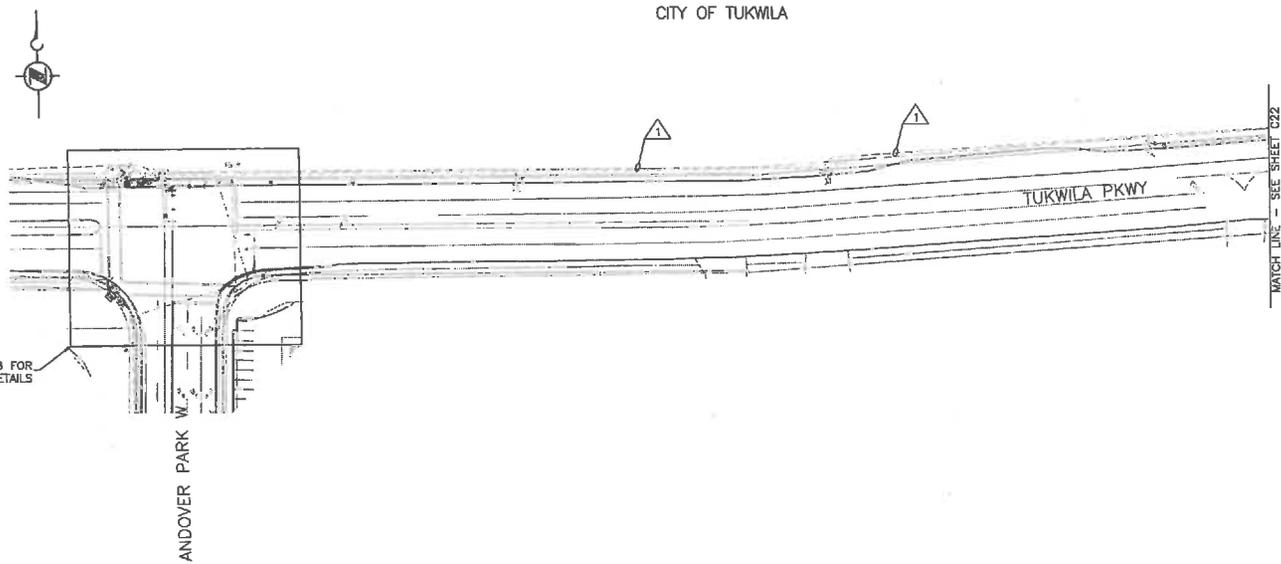
FIBER ROUTING PLAN

King County Department of Transportation

DATE: 10/23/12
DRAWING NO: C21
SHEET NO: OF 28 197

P:\01 - Projects\111185-000_HSR_F-Line_RapidRide\CD\Drawings\Confirmed_Sk\VIEWLINE_JTS-ELC_dbrn.dwg | Layout: C02(1-)
 PLOT DATE: 10/21/2013 10:37:32pm By: mdr

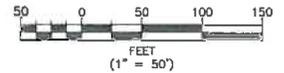
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 PLOTTED: Jan 21, 2013 01:28:17pm By: mtr



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE											REMARKS
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
1	EX. 2"		1										OCCUPIED



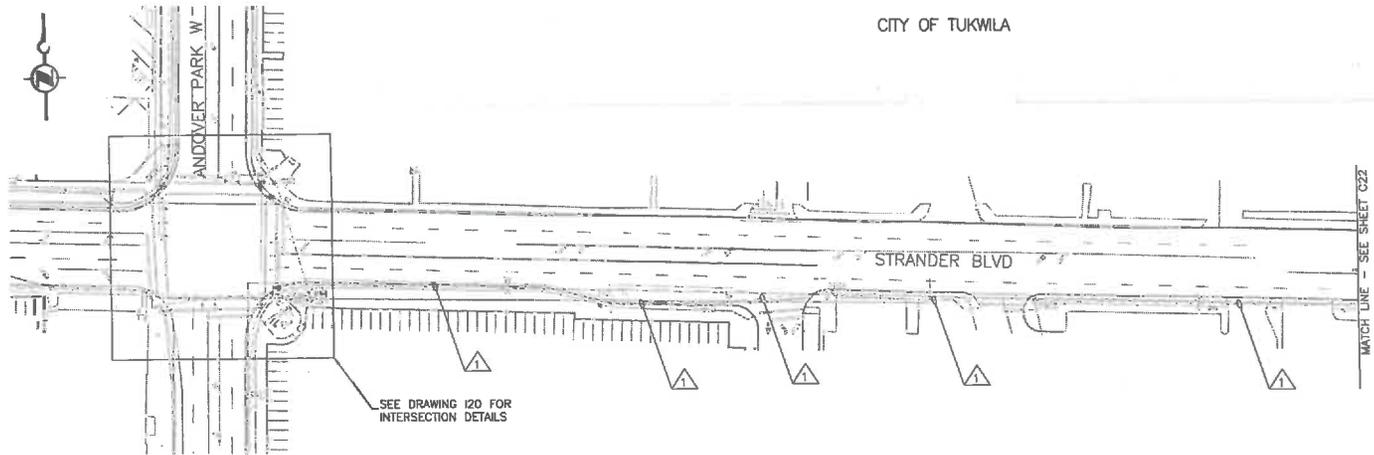
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
INFORMATION SERVICE BUREAU

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	 719 Second Ave., Suite 1200 Seattle, Washington 98104 (206) 450-8800 www.dksarchitect.com		DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'		METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
No.		REV	APP'D	DATE			CHECKED: W. Turner M. Powers RECOMMENDED:	APPROVED: SITE LOCATION NO: RIS NO: WORK REQUEST:	ONE INCH AT FULL SIZE 1" = 1' IF NOT ONE INCH, SCALE ACCORDINGLY		DRAWING NO: C23 SHEET NO. OF 28 197	

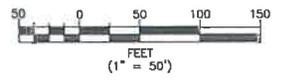
CITY OF TUKWILA



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	EX. 2"		1										OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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CONFORMED FOR CONSTRUCTION		MCR MCP 1/22/13	
No.	REVISION	BY	APP'D DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-0900
www.dksassoc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.
CHECKED: M. Powers	JOB NO. -	ONE INCH AT FULL SIZE
RECOMMENDED: -	WORK RESUB. -	1"
	CONTRACT NO. C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

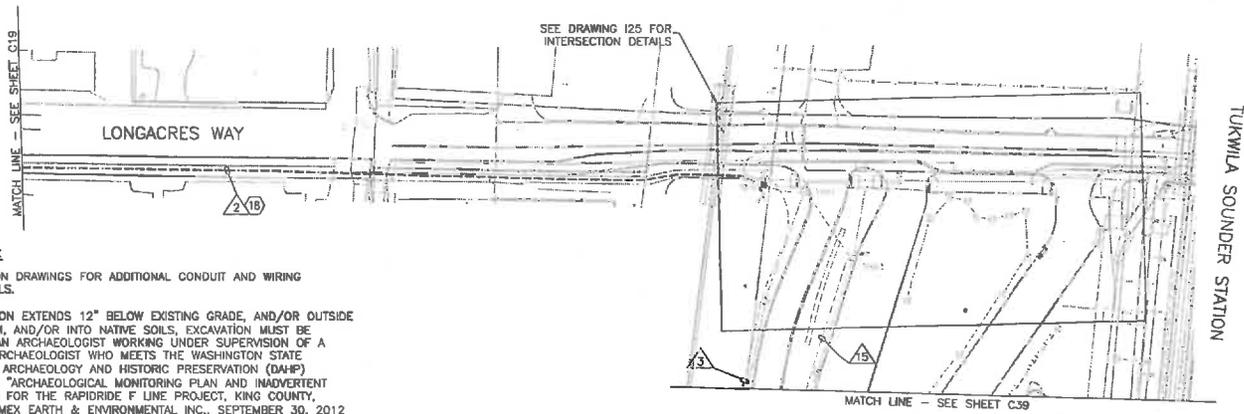
King County
Department of
Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO. C25
SHEET NO. OF 30 197

H:\16\Projects\11\1163-000 KC F-Line RapidRide\CAD\mg\Conformad Sat\LINE_JIS-ELEC_plans.dwg | Layout: C25-1
 PLOTTED: Jan 21, 2013 01:38:37pm By mdr

CITY OF TUKWILA



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
2" PVC	V12 TO T1010	SIDEWALK	360.3
		ASPHALT	11.6

CONSTRUCTION NOTES:

18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.

CONDUIT AND WIRING SCHEDULE												
CONDUIT SIZE	NEW WIRE											REMARKS
	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#6 GROUND	PULL TAPE	
2	2"			1							1	
3	EX. 2"			1							1	
15	EX. 2"								2	1		



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

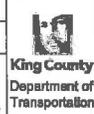
1-800-424-5555
UNDERGROUND SERVICE (USG)

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksassoc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS. REVISION: -	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	000759C12	

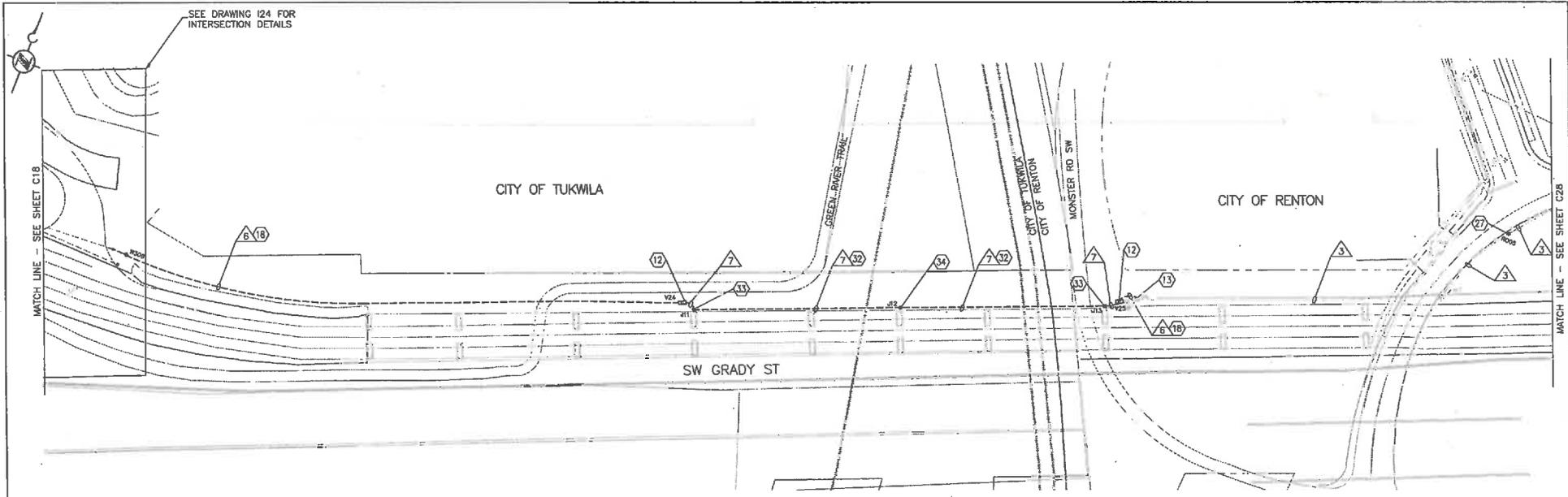


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C26
SHEET NO. OF:	31 197

H:\GIS\Projects\111152-000_KC_F-Line_RapidRide\GIS\Customized_Sch\FiberRouting_C26.dwg | Layer: C26-1 | Plot: 10/23/12 10:21:51 AM | User: jgibson



CONSTRUCTION NOTES:

12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
27. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
32. MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B5 AND B6.
33. INSTALL 3-INCH RGS CONDUIT RISER ON BRIDGE PIER AND INSTALL NEMA ENCLOSURE AT TOP OF BRIDGE PIER. SEE DRAWING B6 FOR CONDUIT AND NEMA BOX ATTACHMENT DETAILS.
34. INSTALL NEMA 4X ENCLOSURE. SEE DRAWINGS B5 AND B6 FOR DETAILS.

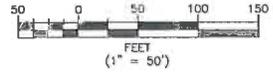
GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#6	#8 GROUND		
3 EX. 2"						1						1	①
6 3"						1						1	
7 3" RGS						1						1	

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V24	LANDSCAPE	3.4
25-TA VAULT	V25	LANDSCAPE	3.4
UPGRADE JB	R005	LANDSCAPE	3.1
3" PVC	W309 TO V24	LANDSCAPE	80.6
		ASPHALT	1.3
3" PVC	V25 TO M6	LANDSCAPE	2.2



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Call before you Dig.
1-800-424-5555
UNIVERSITY SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-9800
www.dksaschedule.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	BIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION: -	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

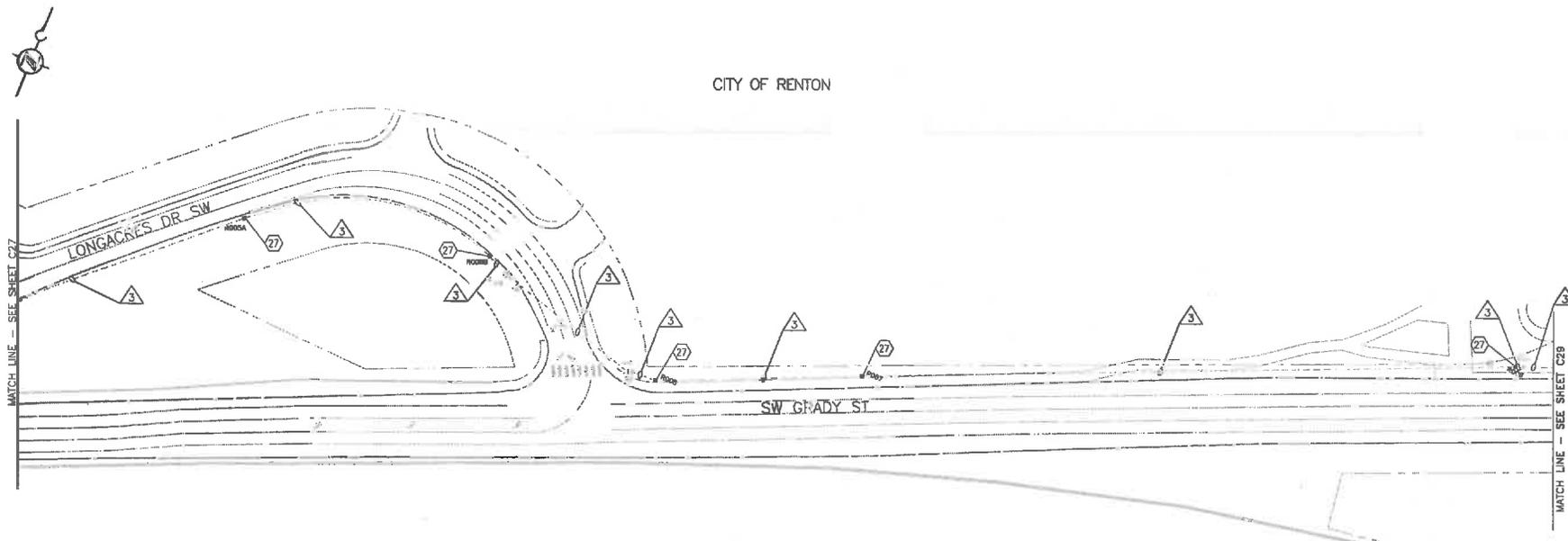


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C27
SHEET NO. OF:	32 197

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 PLOT: 01/21/2013 01:38:37pm By: ndr

CITY OF RENTON



CONDUIT AND WIRING SCHEDULE												
CONDUIT SIZE	NEW WIRE					CAT#	12PR	1PR	#B	#B GROUND	PULL TAPE	REMARKS
	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT							
3	Ex. 2"				1					1	①	

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	RO05A	LANDSCAPE	3.1
UPGRADE JB	RO05B	LANDSCAPE	3.1
UPGRADE JB	RO06	SIDEWALK	18.0
UPGRADE JB	RO07	SIDEWALK	17.9
UPGRADE JB	RO08	LANDSCAPE	3.1

CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

GENERAL NOTE:

- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555

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CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

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Seattle, Washington 98104
(206) 363-9800
www.dksassociation.com



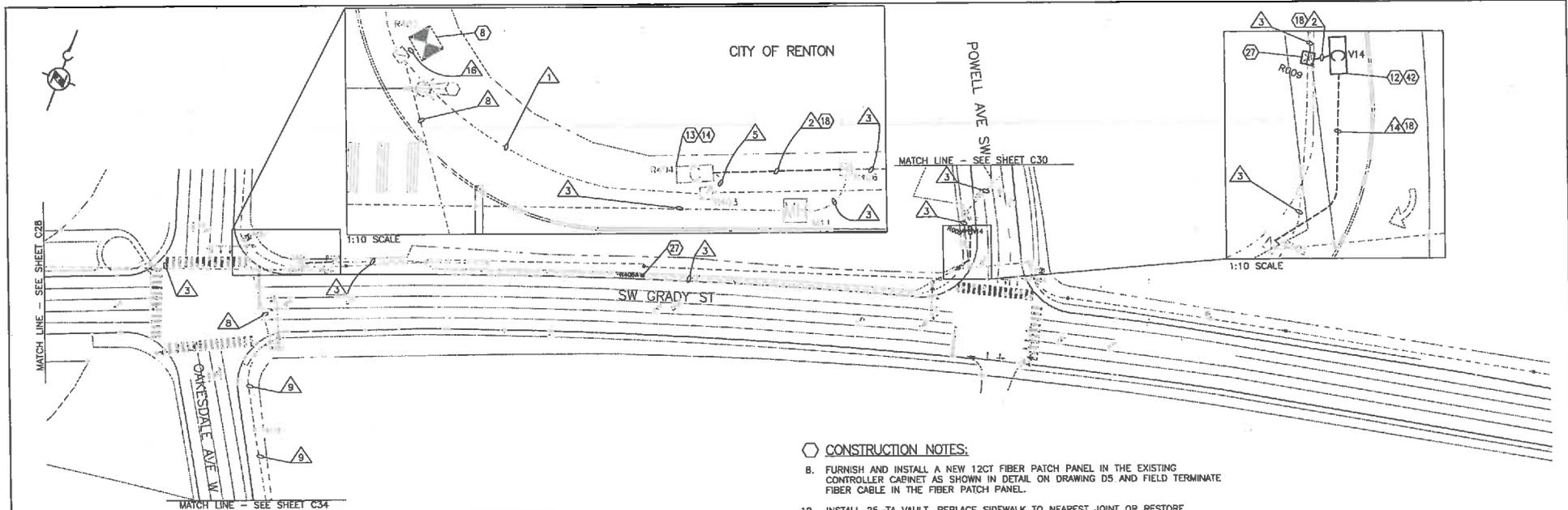
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SRC LOCATION NO.:
CHECKED: M. Powers	ERS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C28
SHEET NO. OF:	33 197

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 PLOT: 2/21/2013 10:30:28pm By: mtr



DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
3" PVC	R404 TO R406	LANDSCAPE	1.4
UPGRADE JB	R408A	SIDEWALK	6.7
25-TA VAULT	V14	LANDSCAPE	3.4
UPGRADE JB	R009	SIDEWALK	6.7
2" PVC	R502 TO V14	LANDSCAPE	3.9
		SIDEWALK	6.7
2" PVC	R009 TO V14	LANDSCAPE	1.5

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"	1		1								1	OCCUPIED
2	3"											2	
3	EX. 2"					1						1	⓪
5	EX. 4"	1		1								1	
8	EX. 3"			1								1	OCCUPIED
9	EX. 2"			1								1	OCCUPIED
14	2"											1	FOR FUTURE USE
16	EX. 2"	1										1	OCCUPIED

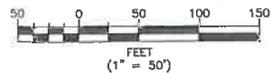
⓪ EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

CONSTRUCTION NOTES:

- FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL ON DRAWING D5 AND FIELD TERMINATE FIBER CABLE IN THE FIBER PATCH PANEL.
- INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
- INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAMS ON DRAWING S27. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE B JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE B JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.

GENERAL NOTE:

- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksinc.com



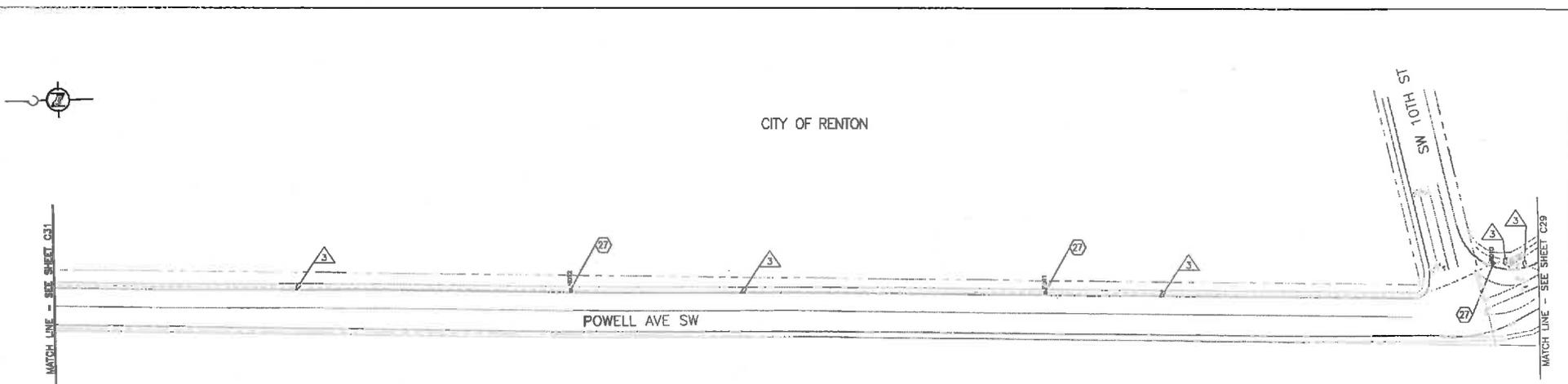
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISSUE NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO. C29
SHEET NO. OF 34 197

CITY OF RENTON



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
3	EX. 2"					1						1	①

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

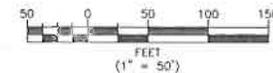
DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R010	LANDSCAPE	3.1
UPGRADE JB	R011	SIDEWALK	6.7
UPGRADE JB	R012	LANDSCAPE	3.1

CONSTRUCTION NOTES:

27. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

GENERAL NOTE:

1. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (US4)

Call before you Dig.

CONFIRMED FOR CONSTRUCTION		MDR	NCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	REVISIONS: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:
10/23/12

DRAWING NO.:

C30

SHEET NO. OF
35 197



CITY OF RENTON
SEE DRAWING I31 FOR
INTERSECTION DETAILS

MATCH LINE - SEE SHEET C31

MATCH LINE - SEE SHEET C33

MATCH LINE - SEE SHEET C40

SW 7TH ST

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R019	LANDSCAPE	3.1
UPGRADE JB	R020	SIDEWALK	5.6
UPGRADE JB	R021	SIDEWALK	5.6
UPGRADE JB	R023	SIDEWALK	5.6
UPGRADE JB	R024	SIDEWALK	6.1

CONDUIT AND WIRING SCHEDULE													
CONDUIT	CONDUIT SIZE	NEW WIRE								PULL TAPE	REMARKS		
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR			#8	#8 GROUND
3	EX. 2"					1						1	⓪
9	EX. 2"			1								1	OCCUPIED

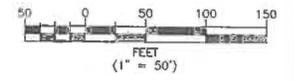
⓪ EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

⓪ CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

GENERAL NOTE:

- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS. REVISION:	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:
10/23/12

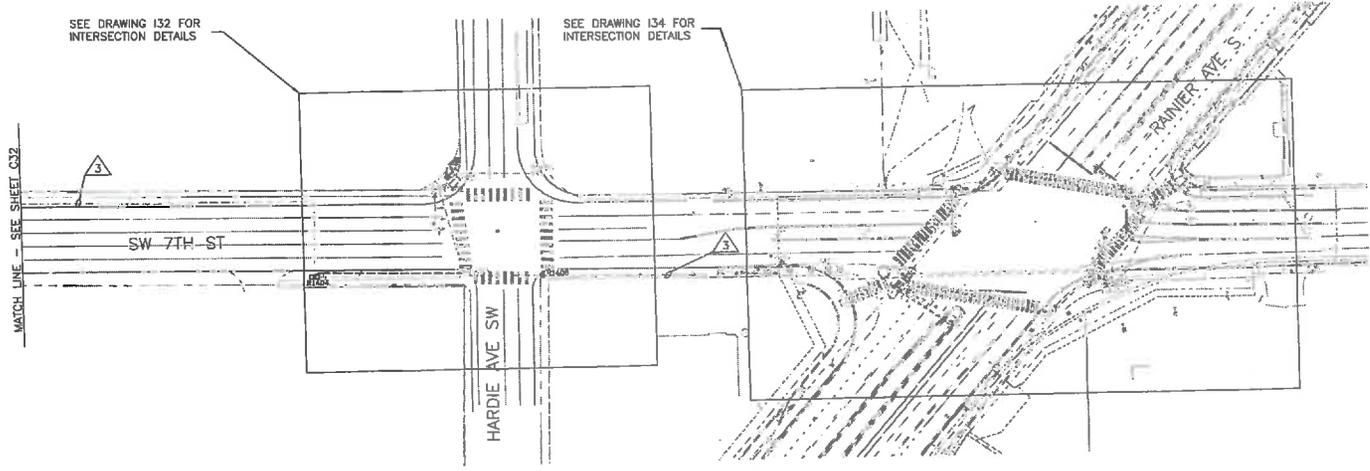
DRAWING NO.:

C32

SHEET NO. OF 37 197

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CITY OF RENTON



GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#B	#B GROUND	PULL TAPE	
3	EX. 2"					1						1	①

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USAS)

H:\D:\Projects\111193-000_KC_F-Line_RapidRide\GIS\Conformed_Sat\F-Line_ITS-EC-afms.dwg | Layer: C03-1
 PLOT: Jan 21, 2013 9:46:22am 47 mtr

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 342-0800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	SIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	CO0759C12	



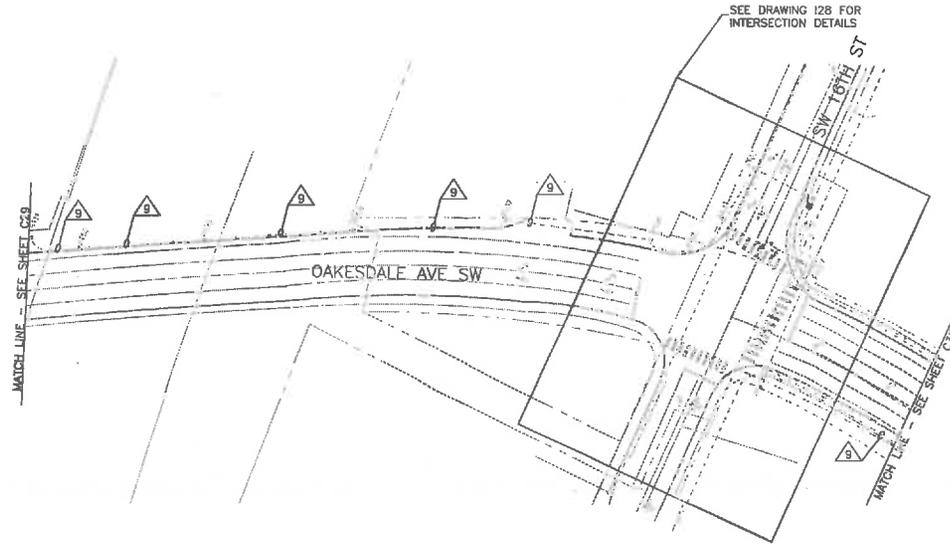
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO.:
C33
SHEET NO. OF 38 197

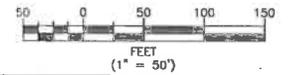
CITY OF RENTON

GENERAL NOTE:

1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONDUIT AND WIRING SCHEDULE													
△	CONDUIT SIZE	FIBER					NEW WIRE					REMARKS	
		12CT	24CT	48CT	72CT	144CT	CAT5e	12PR	1PR	#8	#6 GROUND		PULL TAPE
9	EX. 2"			1								1	OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	S/E LOCATION NO.:
CHECKED: M. Powers	BIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISSUE REVISION:	1" = 1" IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	CO0759C12	

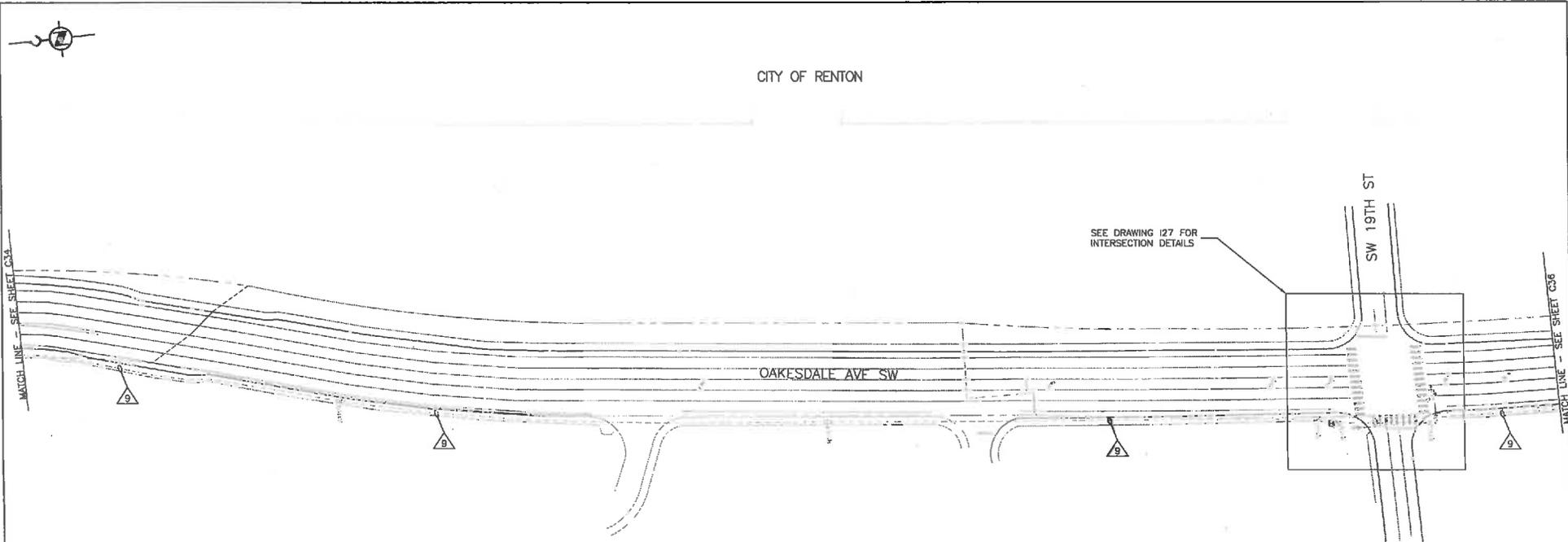


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C34
SHEET NO. OF:	39 197

CITY OF RENTON



SEE DRAWING 127 FOR INTERSECTION DETAILS

SW 19TH ST

OAKESDALE AVE SW

MATCH LINE - SEE SHEET C34

MATCH LINE - SEE SHEET C36

CONDUIT AND WIRING SCHEDULE

CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#6 GROUND	PULL TAPE	
9	EX. 2"			1								1	OCCUPIED

GENERAL NOTE:

- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555 (BACKGROUND SERVICE ONLY)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 369-4300
www.dksmodular.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	COD759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C35
SHEET NO. OF	40 197

H:\Projects\111182-000-000-NC-F-Line-Rep\idea\DMV\eq\Conformed-SHA\FINE-IB-ELEC_plen.dwg | Layout: C35-1 | PLOT: 01-Jan-21, 2013-01:05:57pm By: mdr

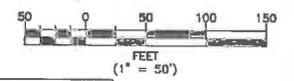


CITY OF RENTON

OAKESDALE AVE SW



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
9	EX. 2"			1								1	OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 352-0800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS REVISION:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00758C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C36
SHEET NO. OF:	41 197

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CITY OF RENTON

MATCH LINE - SEE SHEET C36

MATCH LINE - SEE SHEET C38

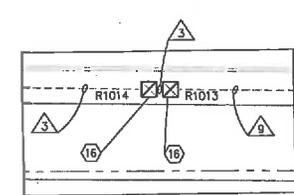


CONSTRUCTION NOTES:

- 16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R1013	LANDSCAPE	2.0
UPGRADE JB	R1014	LANDSCAPE	2.0
UPGRADE JB	R1015	SIDEWALK	2.3
UPGRADE JB	R1016	SIDEWALK	8.3
UPGRADE JB	R1017	SIDEWALK	2.3
UPGRADE JB	R1019	SIDEWALK	2.3
UPGRADE JB	R1020	LANDSCAPE	2.0

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
3	EX. 2"			1								1	
9	EX. 2"			1								1	OCCUPIED



SEE DRAWING 126 FOR INTERSECTION DETAILS

GENERAL NOTE:

- 1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

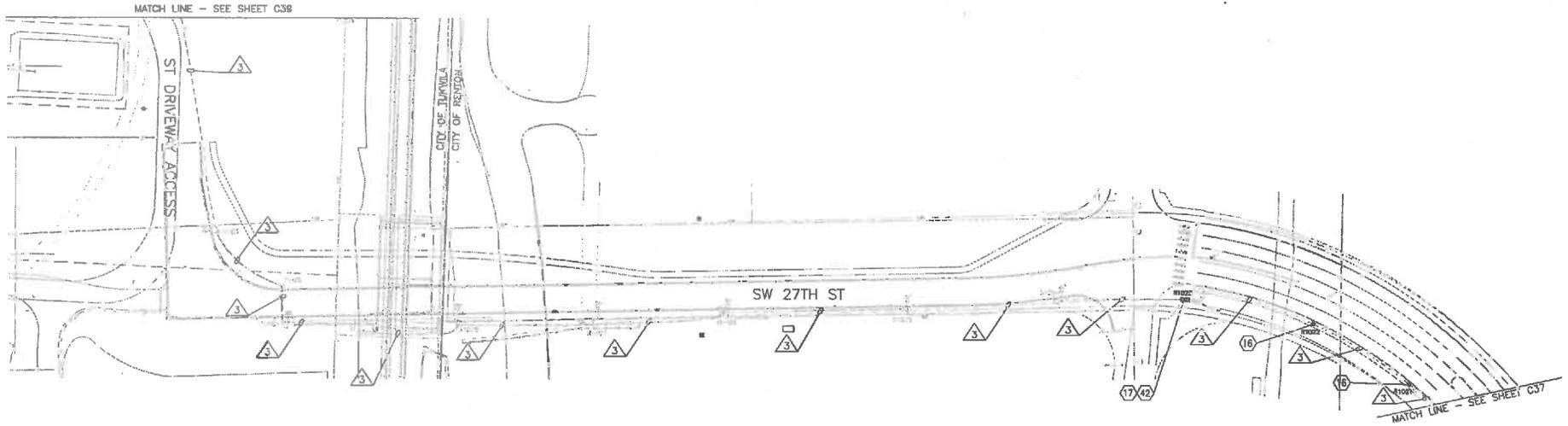


DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS REQUEST: -	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
FIBER ROUTING PLAN	DRAWING NO. C37
	SHEET NO. 42 OF 197

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 PLOTTER: Jan 21, 2013 11:41:39am By: rnt



CITY OF TUKWILA

CITY OF RENTON

CONDUIT AND WIRING SCHEDULE

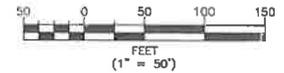
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#B	#B GROUND		PULL TAPE
3	EX. 2"			1								1	

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R1021	SIDEWALK	2.3
UPGRADE JB	R1022	LANDSCAPE	2.0
UPGRADE JB	R1023	SIDEWALK	18.9

CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH BOTTOMLESS 25-TA VAULT. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE 25-TA VAULT. INSTALL NEW BELL ENDS ON TRIMMED CONDUIT MAINTAIN AND PROTECT ALL CABLING IN THE VAULT. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D9.
- COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICES (UGS)

Call before you Dig.

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	REVISION:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

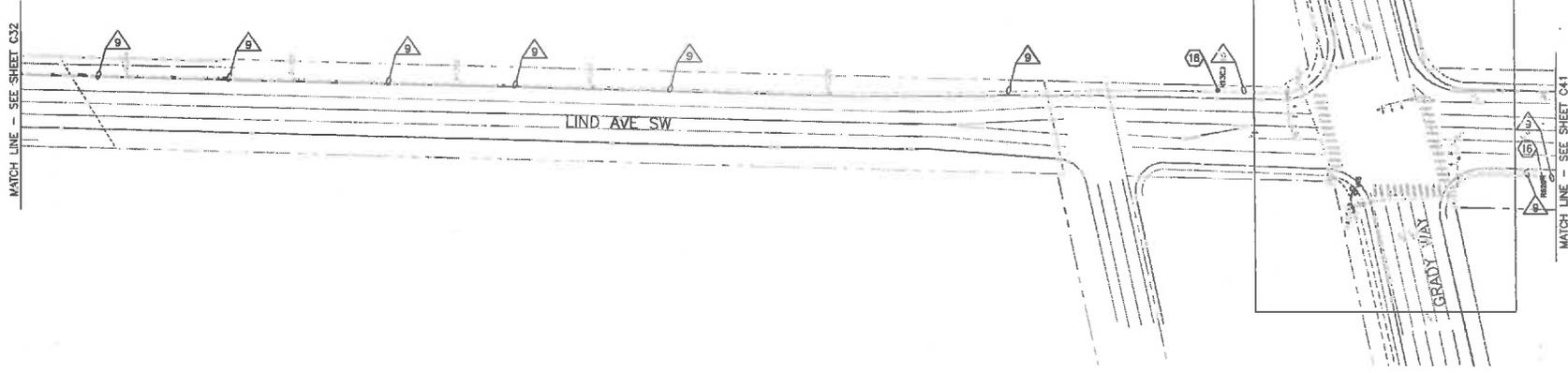


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C38
SHEET No. OF:	43 197

CITY OF RENTON



SEE DRAWING 130 FOR INTERSECTION DETAILS

MATCH LINE - SEE SHEET C32

MATCH LINE - SEE SHEET C41

GENERAL NOTE:

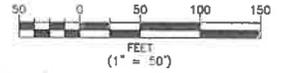
- SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONSTRUCTION NOTES:

- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE								REMARKS			
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
9	EX. 2"			1								1	OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R620	SIDEWALK	2.0
UPGRADE JB	R1309	SIDEWALK	2.0



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (US4)

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 362-6600
www.dks-consultants.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE:
RECOMMENDED:	ISS. REVISION:	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



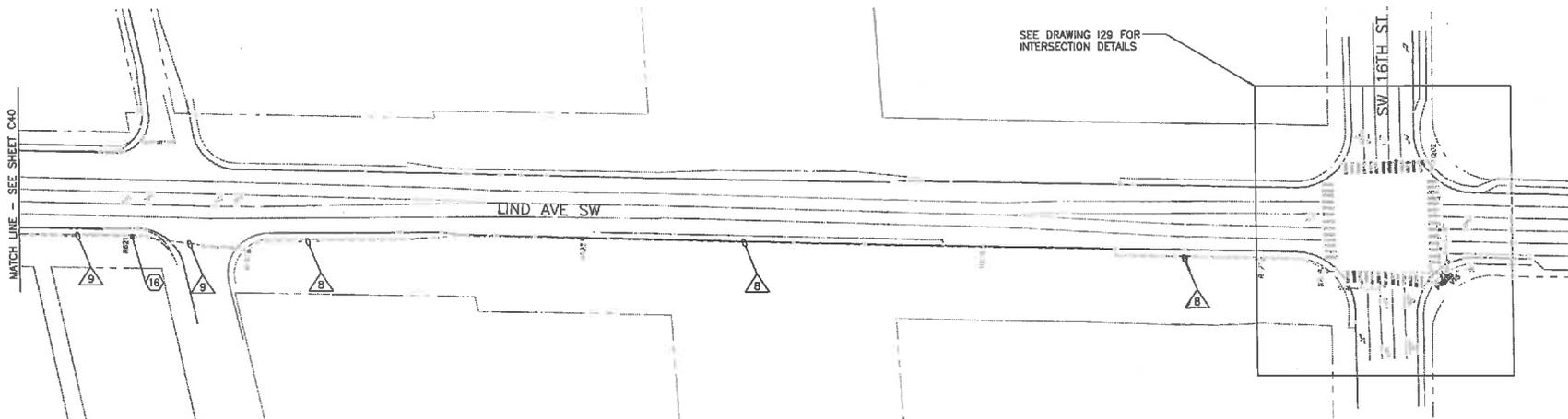
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C40
SHEET NO. OF:	45 197

K:\ADP Projects\11\11E3-000_KC_F-Line_RapidRide\CAD\eng\Conformed_S&V\LINE_ITS-ELEC_drawing | Layer: C40
 PLOT: 2/21/2013 10:11:13 AM 1/22/13

CITY OF RENTON

CITY OF RENTON



SEE DRAWING 129 FOR INTERSECTION DETAILS

MATCH LINE - SEE SHEET C40

GENERAL NOTE:

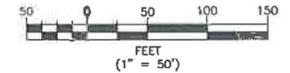
1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONSTRUCTION NOTES:

15. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
8	EX. 3"			1								1	OCCUPIED
9	EX. 2"			1								1	OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R621	SIDEWALK	2.3



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

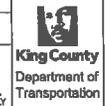
Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 382-6800
www.dksanddolan.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REGION:	1" = 1"
	CONTRACT NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



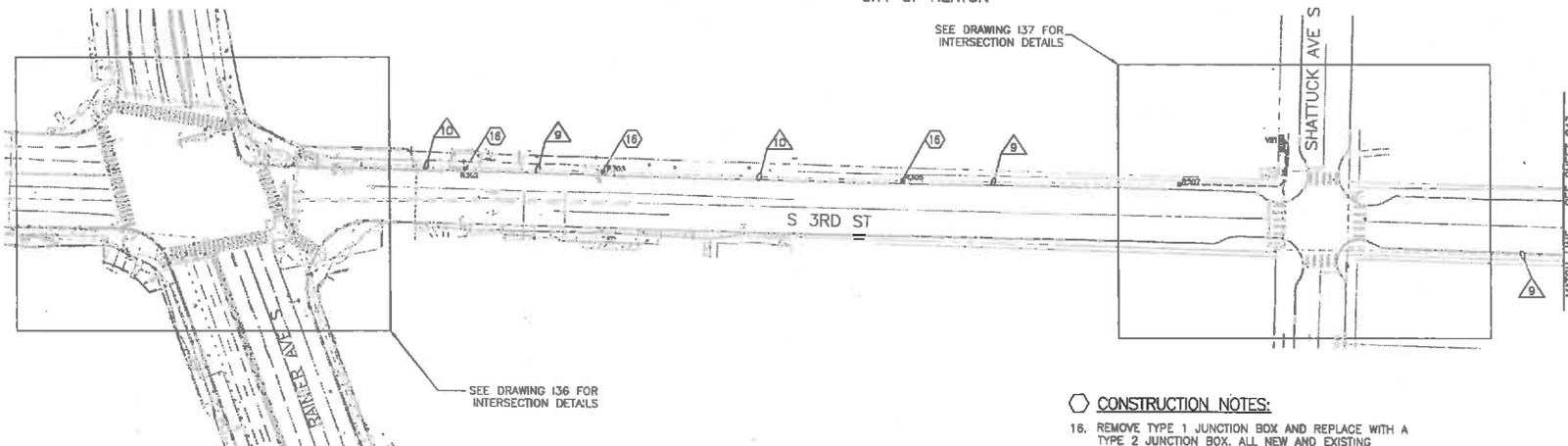
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO:	C41
SHEET NO: OF	46 197

H:\G:\Projects\11\1163-000 IG F-Line RapidRide ITS Corridor Improvement - ELEC - plans.dwg | L:\out\041
 PLOTFILE: Jan 21, 2013 - 01:14:50pm By mbr

CITY OF RENTON

SEE DRAWING I37 FOR INTERSECTION DETAILS



SEE DRAWING I36 FOR INTERSECTION DETAILS

MATCH LINE - SEE SHEET C43



CONSTRUCTION NOTES:

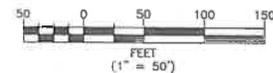
- 18. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.

GENERAL NOTE:

- 1. SEE INTERSECTION DRAWINGS FOR ADDITIONAL CONDUIT AND WIRING SCHEDULE DETAILS.
- 2. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R302	SIDEWALK	7.8
UPGRADE JB	R303	SIDEWALK	7.8
UPGRADE JB	R305	SIDEWALK	6.2

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
9	EX. 2"			1								1	OCCUPIED
10	EX. 1.5"			1								1	OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR/MCP 1/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED: -	ISSY REVISED: -	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

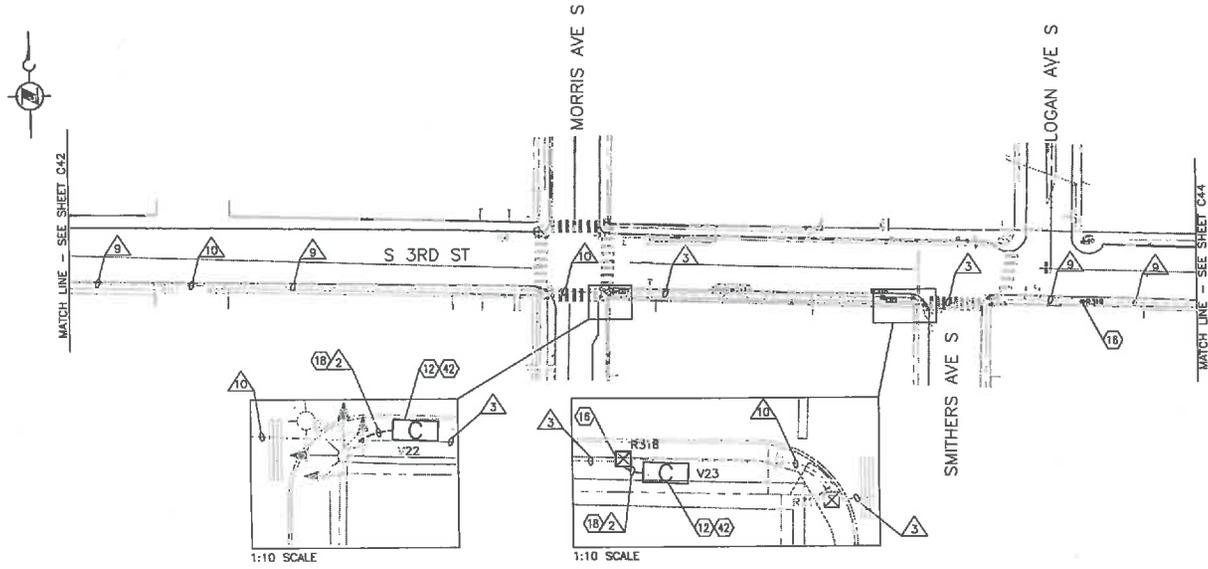


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C42
SHEET NO. OF:	47 197

X:\0101\11118-000_M02_F-Line RapidRide V.C.T. (mfg)\Confirmed SA\PLN\DC-1.mxd\Confirmed SA\PLN\DC-1.mxd | Layout: C42 | PLOT: Jan 21, 2013 9:14:23pm E:\mfr

CITY OF RENTON

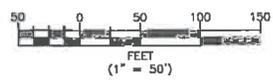


CONSTRUCTION NOTES:

- 12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- 16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- 18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- 42. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC DRAWINGS F5.

GENERAL NOTE:

- 1. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEX EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USG)

Call before you Dig.

FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V22	SIDEWALK	4.7
2" PVC	R315 TO V22	SIDEWALK	3.1
25-TA VAULT	V23	SIDEWALK	10.9
UPGRADE JB	R316	SIDEWALK	
2" PVC	R316 TO V23	SIDEWALK	5.3
UPGRADE JB	R319	SIDEWALK	

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS _e	12PR	1PR	#3	#8 GROUND		PULL TAPE
2	2"			2								1	
	2"											1	SPARE
3	EX. 2"			1								1	OCCUPIED
9	EX. 2"			1								1	OCCUPIED
10	EX. 1.5"			1								1	OCCUPIED

H:\3\Projects\111115_000_00_F-Line_Regulation\CAD\Drawings\Confirmed\sk\FILE_JS-ELEC\pbrns.dwg | Layout: C(43)
 PLOTTER: Sun 2/1/2013 9:04:53AM By: mdr

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-9800
www.dkswoodclark.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUIRED:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

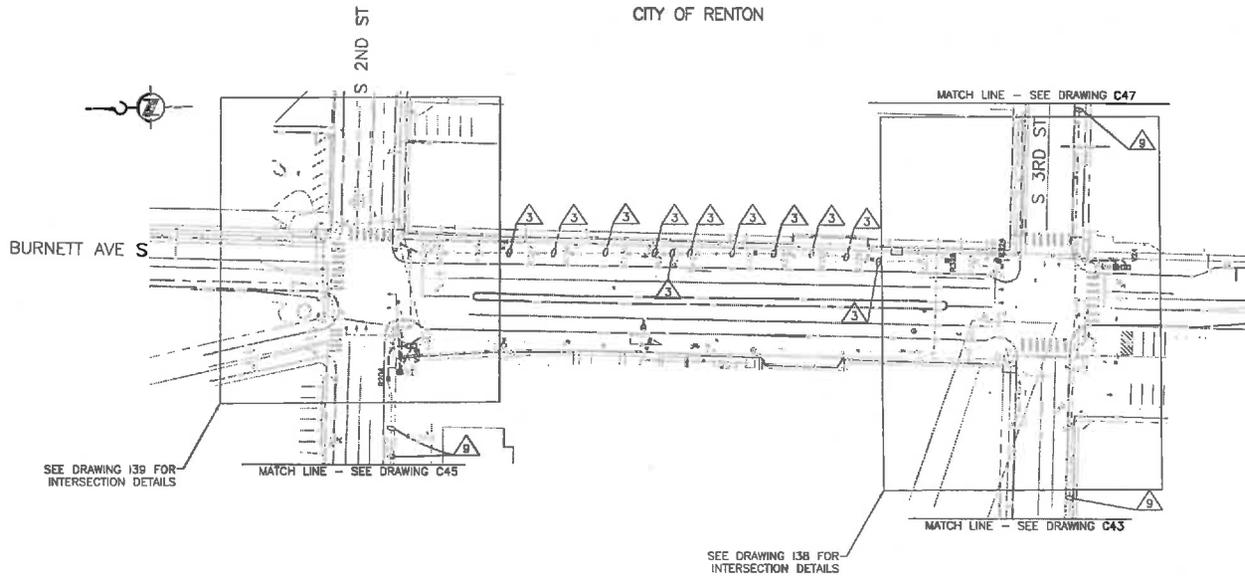


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

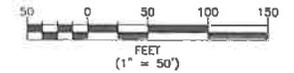
DATE:	10/23/12
DRAWING NO.:	C43
SHEET NO. OF:	48 197

I:\Projects\111552_000_US_F-Line_RapidRide(C2)\eng\Conformed_S&V\LINE_ITS-ELEC_plan.mxd | Layout: C144
 PLOT DATE: 10/23/12 10:50:00 AM
 PLOT BY: mdr

CITY OF RENTON



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS ^a	12PR	1PR	#8		#8 GROUND	PULL TAPE
3	EX. 2"			1								1	
9	EX. 2"			1								1	OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.
1-800-424-5555
ENGINEERING SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



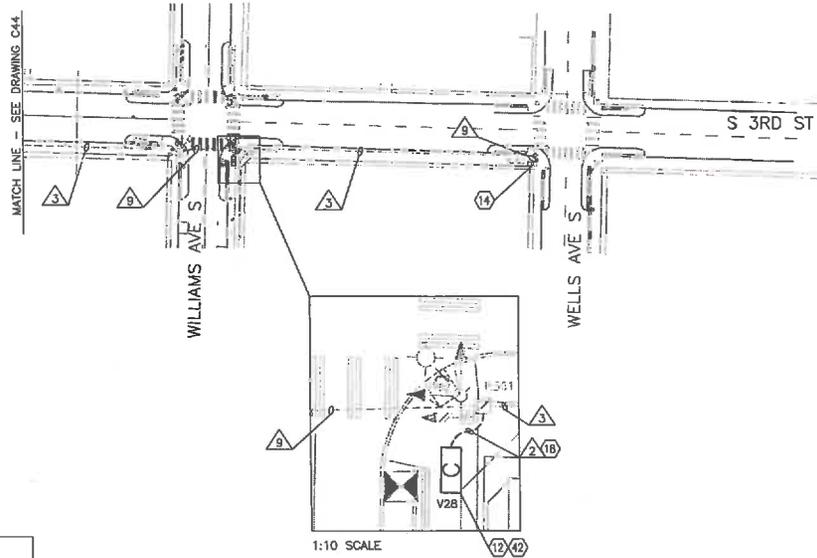
DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: ISS REVISION: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH SCALE ACCORDINGLY



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER ROUTING PLAN

DATE: 10/23/12
DRAWING NO: C44
SHEET NO. OF 49 197

CITY OF RENTON

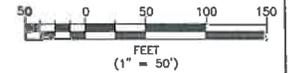


DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V28	SIDEWALK	21.4
2" PVC	R361 TO V28		

CONDUIT AND WIRING SCHEDULE													
△	CONDUIT SIZE	NEW WIRE									REMARKS		
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
2	2"			2								1	
	2"											1	SPARE
3	EX. 2"			1								1	
9	EX. 2"			1								1	OCCUPIED

○ CONSTRUCTION NOTES:

12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S37. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F5.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
42. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F5.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNASSIGNED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 355-0800
www.dkspecialty.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 50'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER: -	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER ROUTING PLAN

DATE:	10/23/12
DRAWING NO.:	C47
SHEET NO. OF:	52 197

H:\MID_Proj\proj\111103_000_HC_F-Line_RapidRide\GIS\area\Conformed_S&V\LINE_ITS-INTERSECTION_keymap.dwg | Lo, out: KCE0
 PLOT: 2/11/2013 10:02:00 AM By: mce



CONTRACTOR SHALL FIELD VERIFY
 EXISTING CONDITIONS, LOCATE &
 PROTECT EXISTING UTILITIES DURING
 CONSTRUCTION. CONTACT KING
 COUNTY METRO IF DISCREPANCIES
 ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MOR	BCP	1/22/13
No.	REVISION	BY	APP'D	DATE


 789 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 362-6300
 www.dksaarchitect.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers
DRAWN: W. Turner	APPROVED: M. Powers
CHECKED: M. Powers	DATE NO.:
RECOMMENDED:	CONTRACT NO.:
	C00758C12

SCALE: NTS
 SITE LOCATION NO:
 ONE INCH AT FULL SIZE
 IF NOT ONE INCH, SCALE ACCORDINGLY

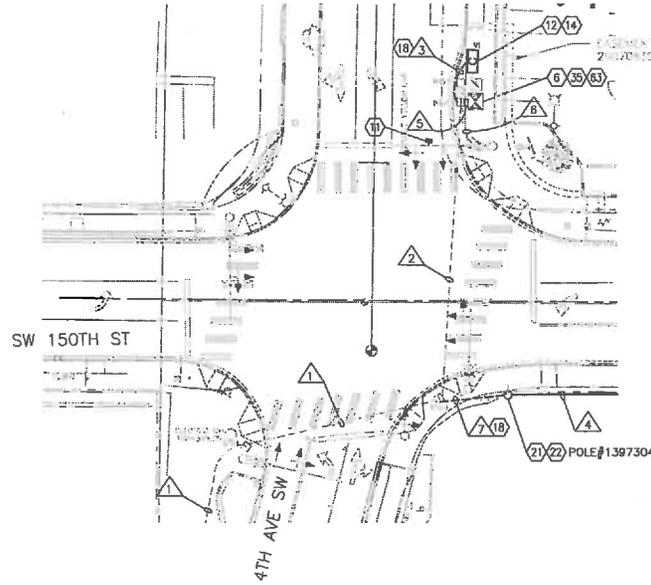


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
 KEY MAP**

DATE: 10/23/12
 DRAWING NO.: 10
 SHEET NO. OF 53 197

CITY OF BURIEN



CONSTRUCTION NOTES:

6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PICTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S1. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
21. INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.
63. REMOVE EXISTING COPPER INTERCONNECT FROM JUNCTION BOX B101 TO THE CONTROLLER CABINET.

GENERAL NOTES:

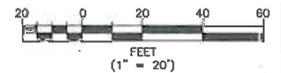
1. KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL DOUBLE DOOR P CABINET WITH NEW ASC/3 CONTROLLER AND TSP INTERFACE PANEL PRIOR TO START OF CONSTRUCTION.
2. THE ROUTE 120 IMPROVEMENT PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH KING COUNTY ROAD SERVICES FOR WORK AT THE INTERSECTION.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS _a	12PR	1PR	#8	#8 GROUND		PULL TAPE	MESSENGER CABLE
1	EX. 2"		1		1									OCCUPIED
2	EX. 2"				1									OCCUPIED
3	2"	2										1		
	2"				1							1		
4	AERIAL		1										1	
5	EX. 3"	2					1							
6	EX. 3"						1							OCCUPIED
7	2"		1											

① REMOVE EXISTING COPPER INTERCONNECT.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V1	SIDEWALK	18.3
2" PVC	B101 TO V1	SIDEWALK	11.1
2" PVC	B103 TO POLE	SIDEWALK	38.5



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
WORKSHOP SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 462-6800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	NIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK NUMBER:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
4TH AVE SW/SW 150TH ST

DATE: 10/23/12
DRAWING NO: 11
SHEET NO. OF: 54 197

H:\V\Projects\11\1152-000_KC_F-Line_RapidRide\1152-000_Vent\Conformed_S&V\LINE_ITS-INTERSECTION_plans.dwg | Layout: (K)
 PLOTTED: Jan 21, 2013 10:29:33am By: mdr



CITY OF BURIEN



CONSTRUCTION NOTES:

8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN THE TYPE P DETAIL ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S2. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
16. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
63. REMOVE EXISTING COPPER INTERCONNECT FROM JUNCTION BOX B201 TO THE CONTROLLER CABINET.

GENERAL NOTES:

1. KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL NEW ASC/3 CONTROLLER AND TSP INTERFACE PANEL IN THE EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS#	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	EX. 2"		1		1								OCCUPIED ①
2	EX. 3"		1		1								OCCUPIED ①
3	2"		1		1							1	
4	2"	1	1		1							1	
5	EX. 4"	1						1	1				OCCUPIED ①
6	EX. 4"		1		1			1	1				OCCUPIED ①
7	EX. 3"		1		1			1	1				OCCUPIED ①
9	EX. 2"		1		1			1	1				OCCUPIED ①

① REMOVE EXISTING COPPER INTERCONNECT.

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SQ)
25-TA VAULT	V2	SIDEWALK	8.9
2" PVC	B201 TO V2	SIDEWALK	
2" PVC	B205 TO V2	SIDEWALK	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFIRMED FOR CONSTRUCTION

MDR M/C/P 1/22/13



DESIGNED: W. Miller
DRAWN: M. Powers
CHECKED: W. Turner
RECOMMENDED: M. Powers
CONTRACT NO.: C00759C12

PROJECT MANAGER: M. Powers
SCALE: 1" = 20'
SITE LOCATION NO.:
ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
4TH AVE SW/SW 152ND ST

DATE: 10/23/12
DRAWING NO.: 12
SHEET NO. OF 55 197

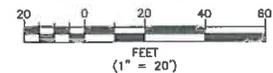
CITY OF BURIEN

CONSTRUCTION NOTES:

- FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND INSTALL KING COUNTY ROAD SERVICES FURNISHED NEW 332 RAPIDRIDE ITS TERMINATION CABINET. FURNISH AND INSTALL A 144CT, A 72CT, AND A 24CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D2 IN THE 332 CABINET. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL. LABEL 12PR AND 1PR COMMUNICATION CABLES AS "TSP-4TH/152ND."
- FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
- INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
- INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S3. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
- INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
- INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT-SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
- FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.
- POUR NEW FOUNDATION EXTENSION TO NORTH END OF EXISTING CABINET FOUNDATION TO ACCOMMODATE A DOUBLE DOOR P CABINET AS SHOWN IN OVERPOUR DETAIL 1 ON DRAWING D5. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET. INSTALL KING COUNTY ROAD SERVICES FURNISHED DOUBLE DOOR P CABINET ON NEW FOUNDATION. FRONT DOOR SHALL FACE IN THE SAME DIRECTION AS THE EXISTING CABINET. RECONNECT ALL EXISTING TRAFFIC SIGNAL WIRING PER CITY OF BURIEN STANDARDS.

GENERAL NOTES:

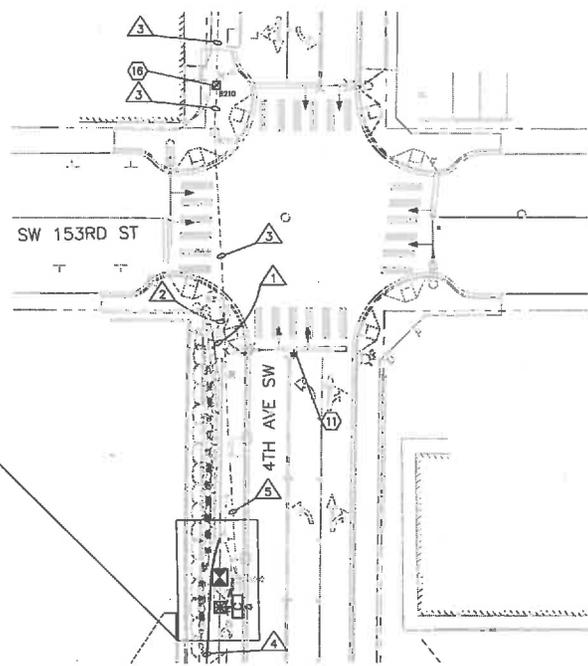
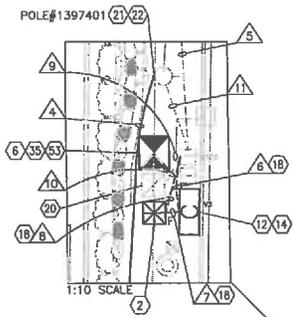
- KING COUNTY ROAD SERVICES TO FURNISH AND TEST NEW DOUBLE DOOR P CABINET WITH ASC/3 CONTROLLER AND TSP INTERFACE PANEL AND TURN OVER TO CONTRACTOR FOR INSTALLATION. KING COUNTY ROAD SERVICES TO ALSO FURNISH 332 RAPIDRIDE ITS TERMINATION CABINET. CONTACT KING COUNTY SIGNAL SUPERVISOR AT (206) 298-8153 TO ARRANGE PICKUP OF KING COUNTY FURNISHED MATERIAL.
- CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
- THE ROUTE 120 IMPROVEMENT PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH KING COUNTY ROAD SERVICES FOR WORK AT THE INTERSECTION.
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5565
UNDERGROUND SERVICE ORGANIZATION

Call before you Dig.



DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
332 CABINET	---	SIDEWALK	11.6
25-TA VAULT	V3	SIDEWALK	
2" PVC	RRC TO B302	SIDEWALK	
2" PVC	RRC TO V3	SIDEWALK	
2" PVC	B302 TO V3	SIDEWALK	
UPGRADE JB	B210	SIDEWALK	19.3

CONDUIT AND WIRING SCHEDULE														
CONDUIT	NEW WIRE												REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS#	12PR	1PR	#8	#6 GROUND	PULL TAPE		MESSENGER CABLE
1	EX. 3"						1							OCCUPIED
2	EX. 2"						1							OCCUPIED
3	EX. 2"		1		1			1	1					
4	AERIAL				1								1	
5	EX. 3"		1		1		1	1	1					OCCUPIED
6	2"	2	1										1	
7	2"		1		1		1	1	1				1	
8	2"						1	1	1	2	1			SPARE
9	EX. 3"	2												
10	EX. 1.5"									2	1			OCCUPIED
11	EX. 2"				1									

CONFORMED FOR CONSTRUCTION		MDR/MCP	11/22/13
No.	REVISION	BY	APP'D DATE

DKS
710 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-0800
www.dks.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

King County
Department of Transportation

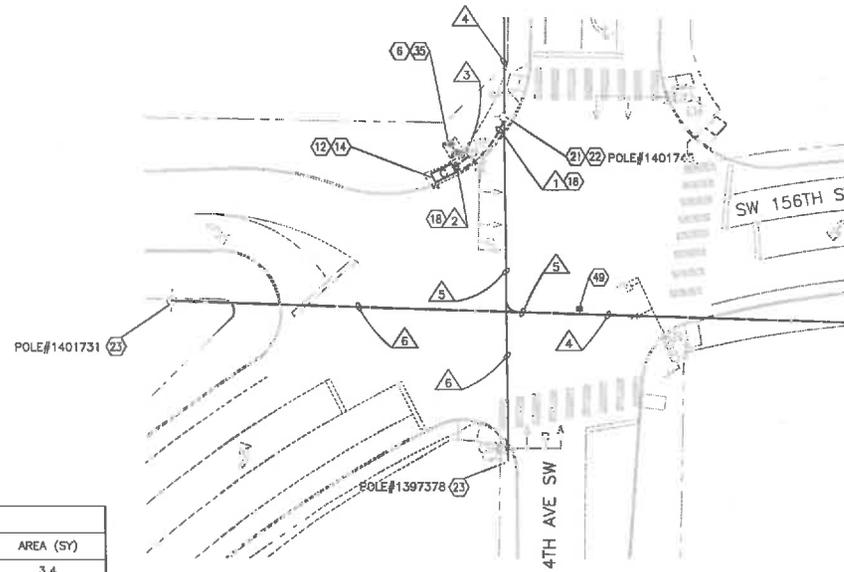
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
4TH AVE SW/SW 153RD ST

DATE: 10/23/12
DRAWING NO: 13
SHEET NO: OF 56 197

N:\G0\Projects\11\1163-000 AC F-Line RapidRide\Geo\Conformed Set\VF_LINE_ITS-INTERSECTION_plans.dwg | Layout: (3)
 PLOTTED: Jun 21, 2013 10:24:58am By: mfr

CITY OF BURIEN



CONSTRUCTION NOTES:

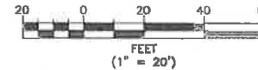
6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S4. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
21. INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
23. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.
49. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON MESSENGER CABLE AS SHOWN IN DETAIL 3 ON DRAWING D8. CENTER ACCESS POINT ON SOUTHBOUND LEFT TURN POCKET. VERIFY ACCESS POINT LOCATION WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.

GENERAL NOTES:

1. KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL DOUBLE DOOR P CABINET WITH NEW ASC/3 CONTROLLER AND TSP INTERFACE PANEL PRIOR TO START OF CONSTRUCTION.
2. THE ROUTE 120 IMPROVEMENT PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH KING COUNTY ROAD SERVICES FOR WORK AT THE INTERSECTION.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V4	ASPHALT	3.4
2" PVC	V4 TO POLE	SIDEWALK	18.2
2" PVC	V4 TO B401	SIDEWALK	

CONDUIT AND WIRING SCHEDULE														
CONDUIT	NEW WIRE								REMARKS					
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS ^e	12PR		1PR	#8	#8 GROUND	PULL TAPE	MESSENGER CABLE
1	2"				2		1							
2	2"	2					1							
3	EX. 2"	2					1							OCCUPIED
4	AERIAL				1								1	
5	AERIAL				1		1						1	
8	AERIAL												1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
LANDSCAPE SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED:	ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY
CONTRACT NO.:	CO0759C12	

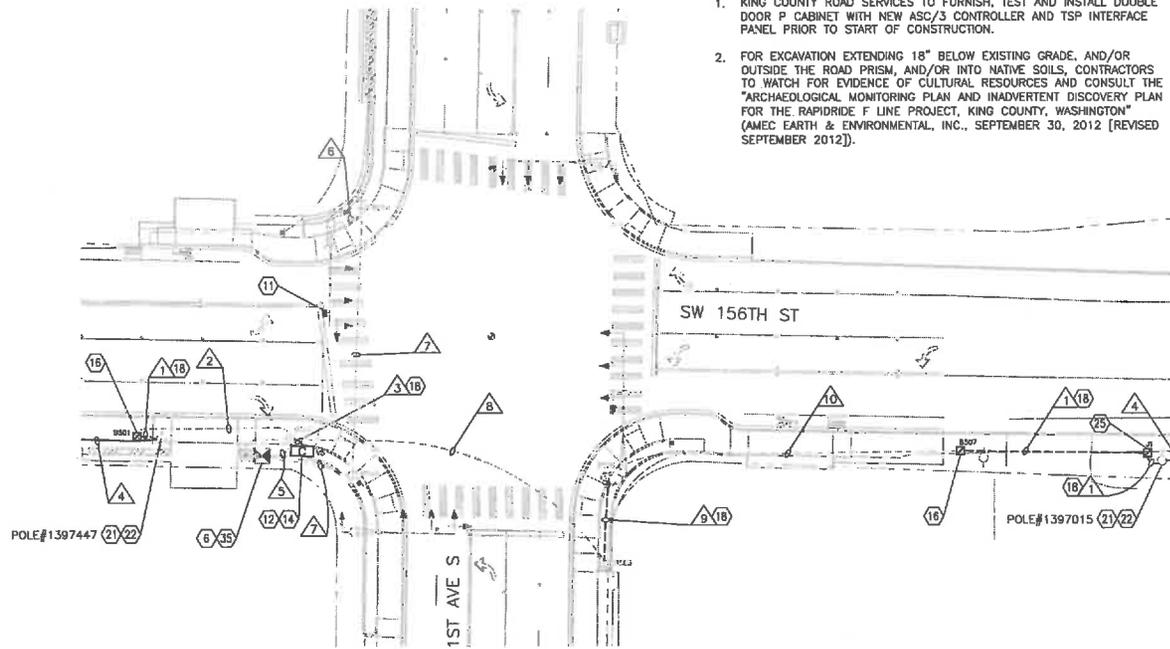


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
4TH AVE SW/SW 156TH ST

DATE:	10/23/12
DRAWING NO.:	14
SHEET NO. OF:	57 197



CITY OF BURIEN



GENERAL NOTES:

- KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL DOUBLE DOOR P CABINET WITH NEW ASC/3 CONTROLLER AND TSP INTERFACE PANEL PRIOR TO START OF CONSTRUCTION.
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONSTRUCTION NOTES:

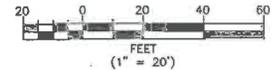
- FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
- INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
- INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S5. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
- INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
- INSTALL TYPE 2 JUNCTION BOX. SEE DETAIL ON DRAWING D10.
- FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS				
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS#	12PR	1PR	#B	#B GROUND		PULL TAPE	MESSENGER CABLE		
1	2"				1											
2	EX. 2"				1											OCCUPIED
3	2"	2										1				
4	AERIAL				1								1			
5	EX. 3"	2														OCCUPIED
6	EX. 2"										1					OCCUPIED
7	EX. 3"										1					OCCUPIED
8	EX. 3"				1											OCCUPIED
9	2"				1								1			
10	EX. 2"				1								1			

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V5	LANDSCAPE	3.4
UPGRADE JB	B501	SIDEWALK	8.0
UPGRADE JB	B507	SIDEWALK	5.8
INSTALL JB	J1	SIDEWALK	2.8
2" PVC	B501 TO POLE	LANDSCAPE	0.6
2" PVC	B502 TO V5	LANDSCAPE	0.4
2" PVC	B505 TO B506	LANDSCAPE	3.0
2" PVC	B507 TO J1	SIDEWALK	38.3
2" PVC	J1 TO POLE	LANDSCAPE	0.5



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE UTILITIES

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS 719 Second Ave, Suite 1250
Seattle, Washington 98104
(206) 362-4200
www.dkes.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
SW 156TH ST/1ST AVE S

DATE:	10/23/12
DRAWING NO.:	15
SHEET NO. OF:	58 197

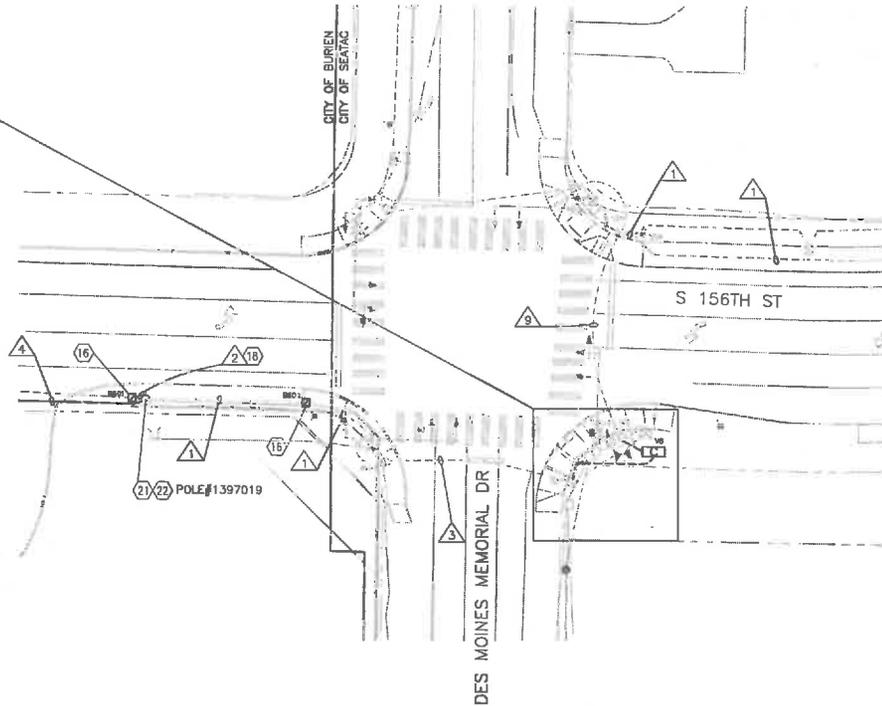
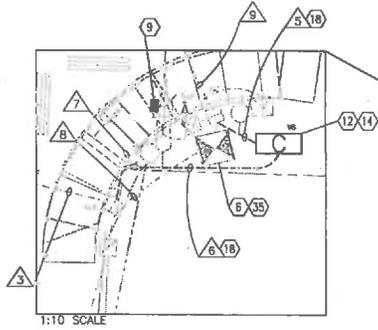
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 PLOT: Jan 21, 2013 10:05:03am By: mtr



CITY OF BURIEN

CITY OF SEATAC



CONSTRUCTION NOTES:

6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAMS ON DRAWING S8. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
21. INSTALL 2-INCH CONDUIT RISER ON THE EXISTING UTILITY POLE. SEE DETAIL ON DRAWING D11. SUPPORT THE CONDUIT USING CONDUIT STANDOFF BRACKET. SEE POLE SCHEDULE ON DRAWING D13 FOR HEIGHT OF RISER AND POINT OF CONNECTION OF WIRING.
22. INSTALL NEW MESSENGER CABLE TO EXISTING UTILITY POLE AT HEIGHT SPECIFIED IN POLE SCHEDULE ON DRAWING D13. ATTACH NEW AERIAL FIBER OPTIC CABLE TO MESSENGER BY LASHING. SEE DETAILS ON DRAWING D11.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.

GENERAL NOTES:

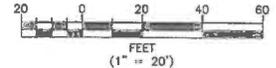
1. KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL DOUBLE DOOR P CABINET WITH NEW MSO CONTROLLER AND TSP INTERFACE PANEL PRIOR TO START OF CONSTRUCTION.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#B		#B GROUND	PULL TAPE	MESSENGER CABLE
1	EX. 2"				1									OCCUPIED
2	2"				1							1		
3	EX. 3"				1							1		
4	AERIAL				1								1	
5	2"				1							1		
6	2"	2			1							1		
7	EX. 2"						1							OCCUPIED
8	EX. 2"	2					1							
9	EX. 2"				1							1		

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V6	LANDSCAPE	3.4
UPGRADE JB	B601	SIDEWALK	5.6
2" PVC	B601 TO POLE	SIDEWALK	
UPGRADE JB	B602	SIDEWALK	2.8
2" PVC	S01 TO V6	LANDSCAPE	0.8
2" PVC	S02 TO V6	LANDSCAPE	3.5



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-6555
UNDERGROUND SERVICE (USA)

CONFIRMED FOR CONSTRUCTION

MDR MCP 1/22/13



DESIGNED: W. Miller
 DRAWN: M. Powers
 CHECKED: W. Turner
 RECOMMENDED: M. Powers

PROJECT MANAGER: M. Powers

SCALE: 1" = 20'
 SITE LOCATION NO:
 ONE INCH AT FULL SIZE
 IF NOT ONE INCH, SCALE ACCORDINGLY

CONTRACT NO: C00759C12



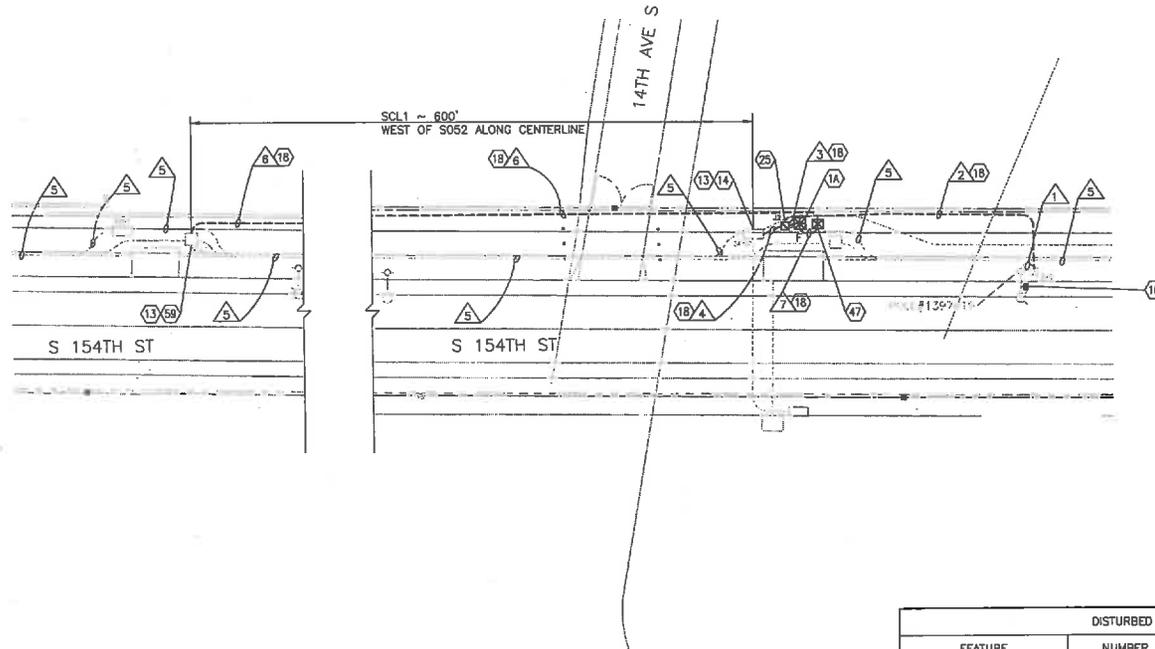
METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
S 156TH ST/DES MOINES
MEMORIAL DR

DATE: 10/23/12

DRAWING NO: 16
 SHEET NO. OF 59 197

CITY OF SEATAC



CONSTRUCTION NOTES:

- 1A. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.
10. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON LIGHT POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S9. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
25. INSTALL TYPE 2 JUNCTION BOX. ALL NEW CONDUITS SHALL BE INSTALLED WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE JUNCTION BOX. INSTALL BELL ENDS ON CONDUIT. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
47. FURNISH AND INSTALL NEW SERVICE CABINET AS SHOWN IN DETAILS ON DRAWING D12.
59. COORDINATE WITH SEATTLE CITY LIGHT ON POINT OF SERVICE CONNECTION.

GENERAL NOTES:

1. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
SERVICE CABINET	---	LANDSCAPE	1.0
INSTALL JB	J2	LANDSCAPE	2.0
2" PVC	J2 TO S26	ASPHALT	0.4
		LANDSCAPE	9.8
2" PVC	S052 TO J2	LANDSCAPE	0.7
2" PVC	J2 TO RRC	LANDSCAPE	0.2
2" PVC	RRC TO SC	LANDSCAPE	0.6
2" PVC	SC TO SCL1	LANDSCAPE	66.7



CONDUIT AND WIRING SCHEDULE																
Δ	CONDUIT SIZE	NEW WIRE										REMARKS				
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#8		#8 GROUND	PULL TAPE		
1	EX. 2"						1									OCCUPIED
2	2"						1									
3	2"	1					1						1			
4	2"	1											1			
5	EX. 4"					1							1			INSTALL IN EXISTING EMPTY 1-INCH INNERDUCT WITH PULL TAPE
6	2"									2						
7	2"									2	1					

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

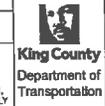
CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
710 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-4300
www.dksseattle.com

concord
ENGINEERING
710 2ND AVENUE, SUITE 830
SEATTLE, WA 98104
PH:206.462.0687



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	REV. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
S 154TH ST/14TH AVE S

DATE: 10/23/12
DRAWING NO.: 17
SHEET NO. OF 60 197

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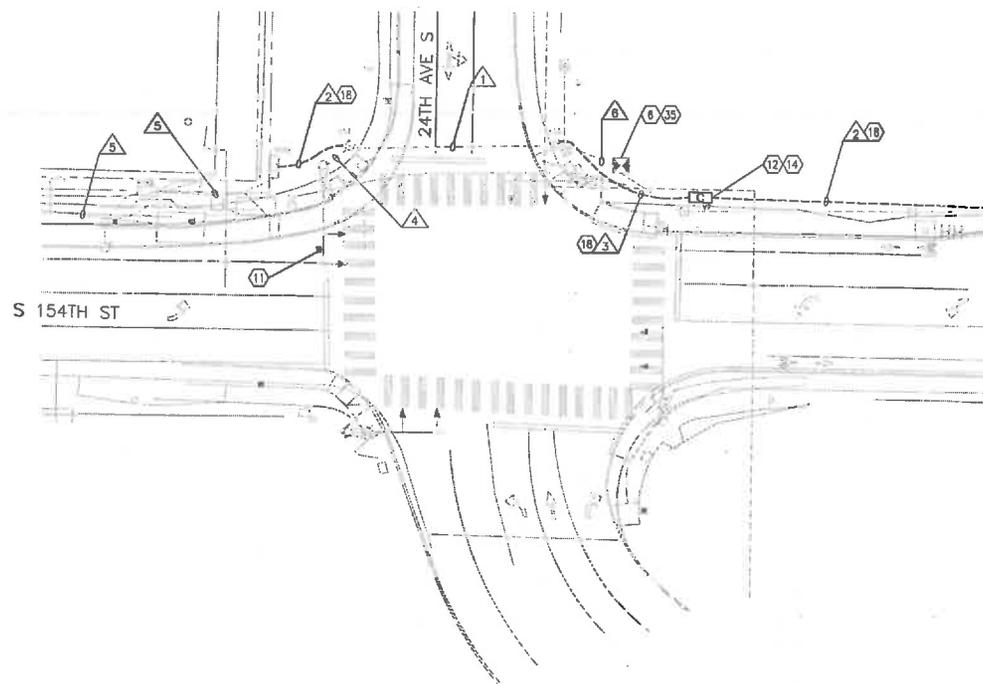
CONSTRUCTION NOTES:

6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S7. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
35. FURNISH NEW ETHERNET SWITCH PER SPECIFICATIONS FOR INSTALLATION BY KING COUNTY.

GENERAL NOTES:

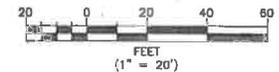
1. KING COUNTY ROAD SERVICES TO FURNISH, TEST AND INSTALL DOUBLE DOOR P CABINET WITH NEW M50 CONTROLLER AND TSP INTERFACE PANEL PRIOR TO START OF CONSTRUCTION.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CITY OF SEATAC



CONDUIT AND WIRING SCHEDULE															
CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE		
1	EX. 2"				1		1								
2	2"				1							1			
3	2"	2			1							1			
4	EX. 2"						1								OCCUPIED
5	EX. 4"				1							1			INSTALL IN EXISTING EMPTY 1-INCH INNERDUCT WITH PULL TAPE
6	EX. 3"	2					1								OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
25-TA VAULT	V7	LANDSCAPE	3.4
2" PVC	S42 TO S059	LANDSCAPE	2.5
2" PVC	S43 TO V7	LANDSCAPE	5.4
2" PVC	V7 TO J3	LANDSCAPE	12.7



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
ENDEAVOR SERVICE (USA)

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION INT.
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
S 154TH ST/24TH AVE S

DATE:	10/23/12
DRAWING NO.:	18
SHEET NO. OF:	81 197

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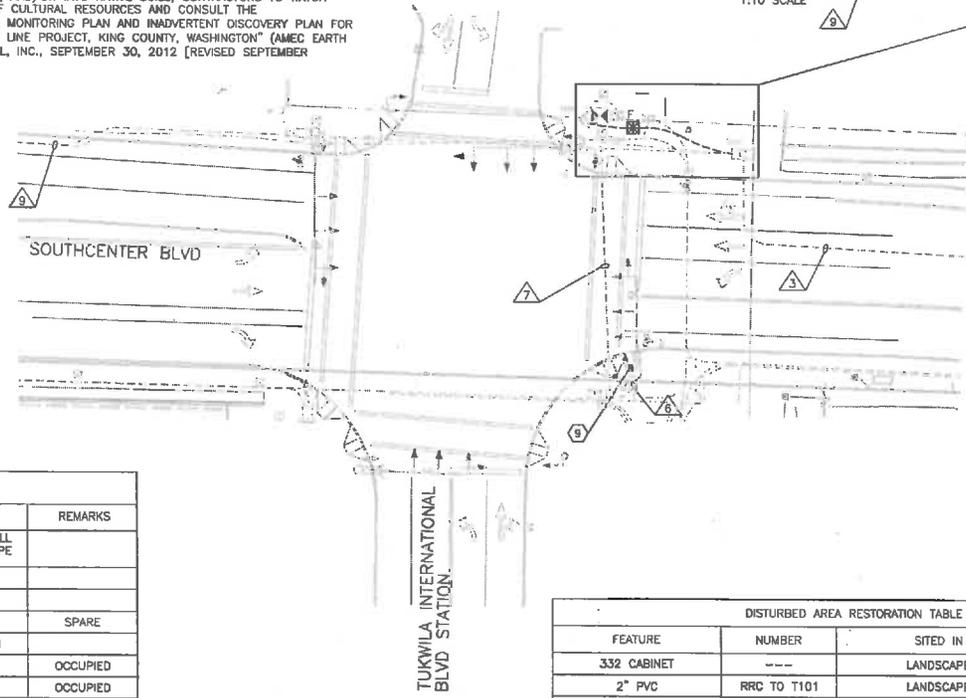
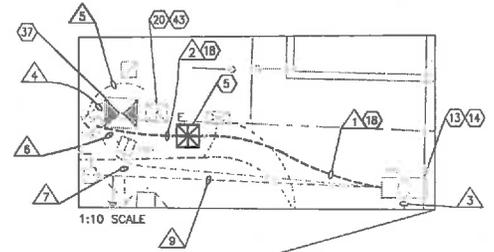
CONSTRUCTION NOTES:

5. FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND NEW 332 RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D3. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL TWO KING COUNTY FURNISHED TSP INTERFACE PANELS AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANELS. LABEL 12PR AND 1PR COMMUNICATION CABLES AS "TSP" AND INCLUDE NAME OF INTERSECTION TO WHICH THE CABLES ARE TERMINATED.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT, DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S9. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
43. CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.

GENERAL NOTES:

1. CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4855 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CITY OF TUKWILA



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS#	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	2"	1						1	1				
2	2"						1	1	1	2	1		SPARE
3	EX. 2"				1							1	OCCUPIED
4	EX. 2"							1	1				OCCUPIED
5	EX. 2"									2	1		OCCUPIED
6	EX. 2"						1						OCCUPIED
7	EX. 3"						1						OCCUPIED
9	EX. 2"				1			1	1				OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
332 CABINET	---	LANDSCAPE	3.1
2" PVC	RRC TO T101	LANDSCAPE	1.5
2" PVC	RRC TO T102	LANDSCAPE	3.8



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USG)

CONFORMED FOR CONSTRUCTION		MOR	MCP	11/22/13
No.	REVISION	BY	APPD	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
SOUTHCENTER BLVD/TIBS**

DATE:	10/23/12
DRAWING NO:	110
SHEET NO. OF	63 197

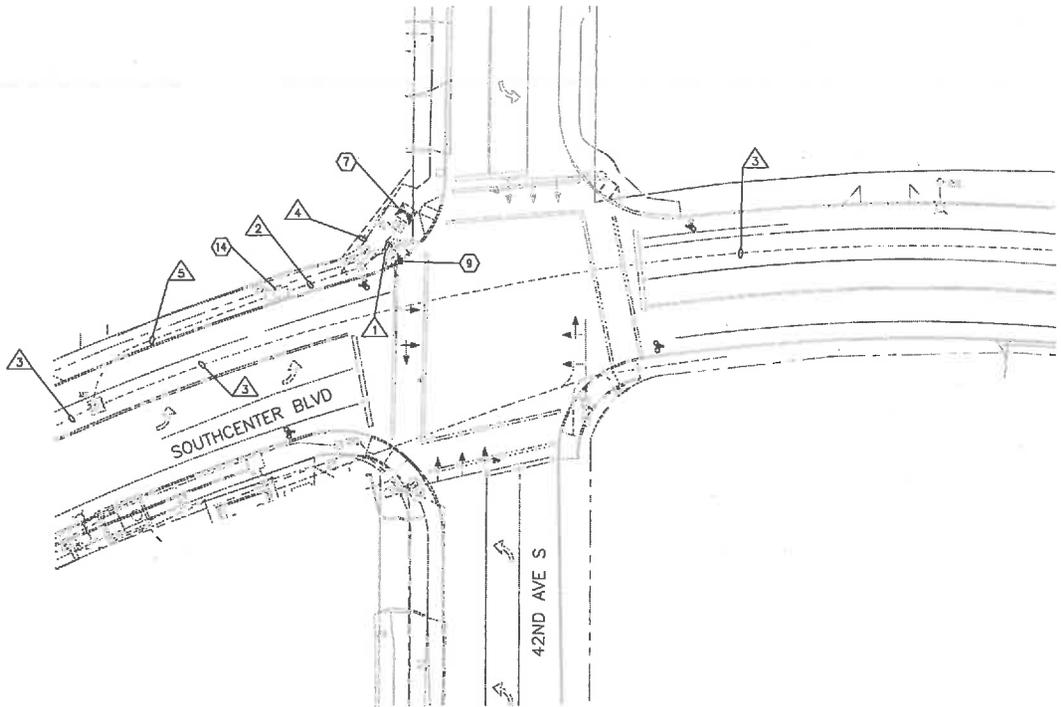
H:\A\ Projects\11\1183-000 MC F-Line RapidRide\CAD\eng\Delivered SNA\FINAL\ITS-INTERSECTION_plans.dwg | Layout: (10) PLOT: Tue Jun 21, 2013 02:28:46pm By: mlf

CITY OF TUKWILA



CONSTRUCTION NOTES:

- 7. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL BY CORRESPONDING FIBER COLOR/NUMBER.
- 9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
- 14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S10. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.



GENERAL NOTES:

- 1. KING COUNTY ROAD SERVICES TO FURNISH DOUBLE DOOR P CABINET WITH TSP INTERFACE PANEL AND TURN OVER TO CITY OF TUKWILA. CITY OF TUKWILA TO TEST AND INSTALL CABINET PRIOR TO START OF CONSTRUCTION.
- 2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE													
CONDUIT SIZE	NEW WIRE											REMARKS	
	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE		
1' EX. 3"						1							OCCUPIED
2' EX. 2"	1												OCCUPIED
3' EX. 2"				1							1		OCCUPIED
4' EX. 3"	1												OCCUPIED
5' EX. 2"				2									OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNCONFINDED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MOR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-0850
www.dksassoc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.
CHECKED: M. Powers	REV NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUIRED:	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	

King County
Department of Transportation

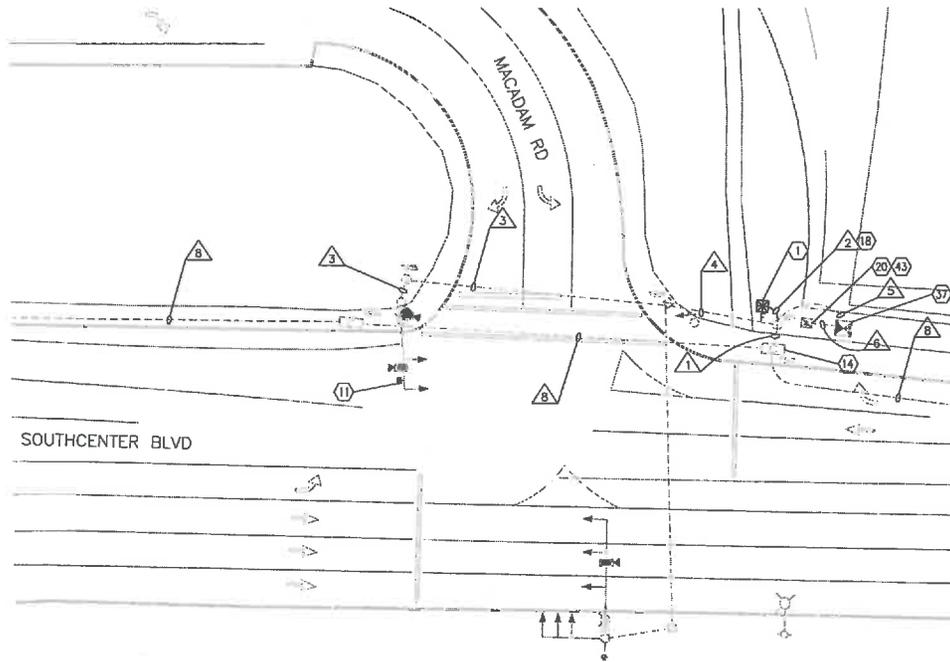
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
SOUTHCENTER BLVD/42ND AVE S

DATE: 10/23/12
DRAWING NO: 111
SHEET NO: OF 64 197

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CITY OF TUKWILA



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
14. INSTALL SPLICE CLOSURE IN VAULT. SPlice FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S9. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
43. CONSOLIDATE EXISTING SERVICE TO PROVIDE PANEL SPACE FOR ADDITIONAL BREAKER IN EXISTING SERVICE PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.

GENERAL NOTES:

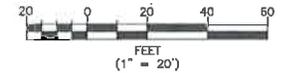
1. CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAH) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"	1											OCCUPIED
	2"	1										1	
2	2"						1	1	1	2	1		SPARE
	2"												OCCUPIED
3	EX. 3"						1						OCCUPIED
4	EX. 1.5"						1						OCCUPIED
5	EX. 3"							1	1	2	1		OCCUPIED
6	EX. 2"									2	1		OCCUPIED
8	EX. 3"				1								OCCUPIED

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
2" PVC	RRC TO T303	LANDSCAPE	1.1



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555 UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION

MDR MCP 1/22/13

DKS 719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksinc.com



DESIGNED: W. Miller
DRAWN: M. Powers
CHECKED: W. Turner
RECOMMENDED: M. Powers

PROJECT MANAGER: M. Powers
APPROVED: [Signature]

SCALE: 1" = 20"
SITE LOCATION NO.:
SIS NO.:
CONTRACT NO.: CO0759C12

ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY



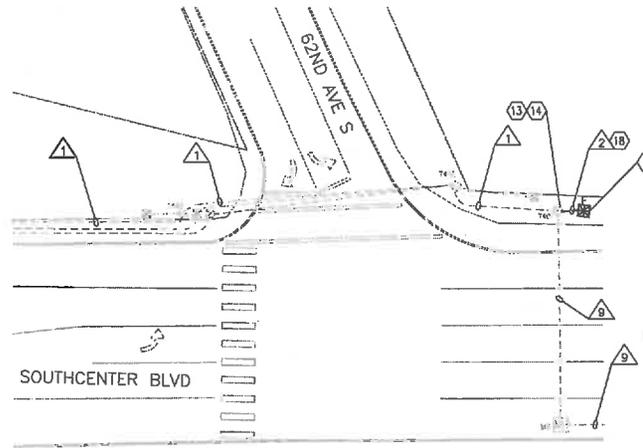
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
SOUTHCENTER BLVD/
MACADAM RD

DATE: 10/23/12
DRAWING NO.: 113
SHEET NO. OF 66 197



CITY OF TUKWILA



CONSTRUCTION NOTES:

3. FURNISH AND INSTALL NEW 332 CABINET FOUNDATION AND NEW 332 RAPIDRIDE ITS TERMINATION CABINET WITH A 144CT AND 72CT PRE-TERMINATED FIBER PATCH PANELS AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D2 EXCEPT INSTALL THE 72CT PRE-TERMINATED PANEL ON THE BACK DOOR SIDE OF THE RACK. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S12. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.

GENERAL NOTES:

1. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE														
CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6	#6 GROUND		PULL TAPE	
1	EX. 2"				1					2	1			OCCUPIED
2	2"				1	1						1		
9	EX. 2"					1				2	1			OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
332 CABINET	---	LANDSCAPE	3.1
2" PVC	RRC TO T401	LANDSCAPE	1.1



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
METRO RAIL SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-4300
www.dksassociates.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED:	CONTRACT NO: C00759C12
		ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

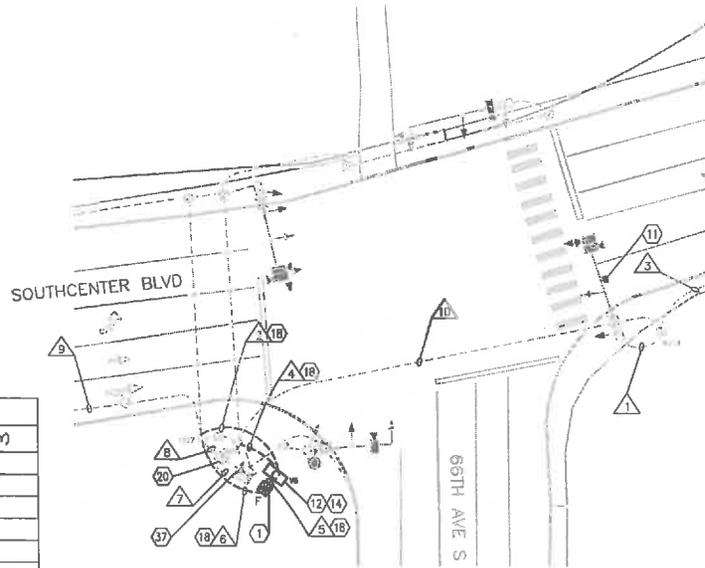


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
SOUTHCENTER BLVD/
62ND AVE S**

DATE:	10/23/12
DRAWING NO:	115
SHEET NO. OF 68	197

H:\Projects\111113-000_KC_F-Line_RapidRide\Drawings\CONFORMED_SCH\LINE ITS-INTERSECTION_plans.dwg | Layout: 1(15)
 PLOT: 23 Jan 21, 2013 10:07:19am By: mdr

CITY OF TUKWILA



CONSTRUCTION NOTES:

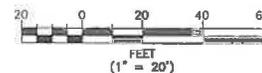
1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S13. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F1.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTES:

1. CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND UNADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER, 2012]).

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	----	LANDSCAPE	2.7
25-TA VAULT	VB	LANDSCAPE	3.4
2" PVC	T507 TO VB	LANDSCAPE	3.6
2" PVC	T508 TO VB	LANDSCAPE	1.7
2" PVC	RRC TO VB	LANDSCAPE	0.3
2" PVC	RRC TO T507	LANDSCAPE	3.1

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	EX. 4"						1						OCCUPIED
2	2"					1						1	
3	EX. 2"					1						1	
4	2"					1	1						
5	2"	1					1						
6	2"							1	1	2	1		
	2"												SPARE
7	EX. 3"							1	1				OCCUPIED
8	EX. 3"									2	1		OCCUPIED
9	EX. 2"					1							OCCUPIED
10	EX. 4"					1	1						OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFIRMED FOR CONSTRUCTION		MDR/MCP 5/22/13	
No.	REVISION	BY	APP'D DATE

DKS
778 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 382-6800
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED: -	ONE INCH AT FULL SIZE 1" = 1" = 1" IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
SOUTHCENTER BLVD/
66TH AVE S**

DATE:	10/23/12
DRAWING NO.:	116
SHEET NO. OF 69	197

H:\MD Projects\1111162-000 RC F-Line RapidRide\04\Drawings\SECTION-DIMS.dwg | Layout: (1) |
 PLOTED: Jan 21, 2013 02:27:28pm By: mdr

CONSTRUCTION NOTES:

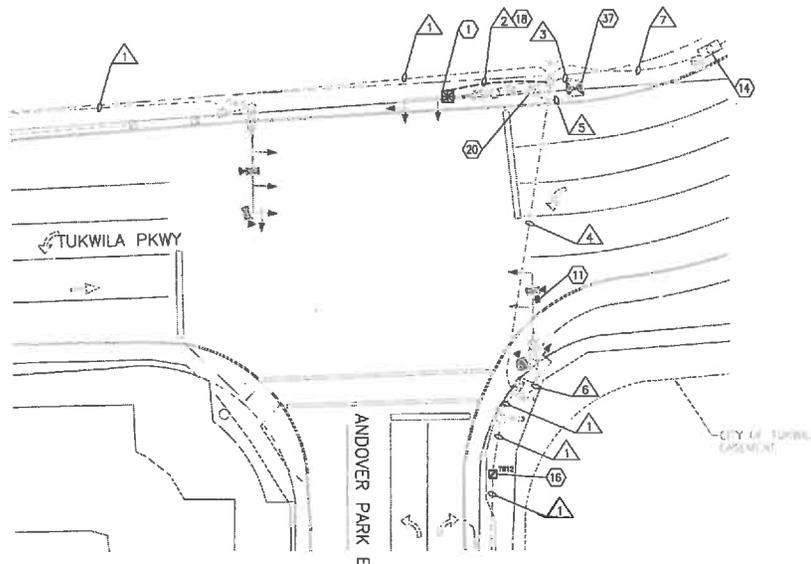
- FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
- INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
- INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S14. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
- TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTES:

- CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
- CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
- WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAH) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

4. PER CITY OF TUKWILA SPECIAL PERMISSION PERMIT CONDITIONS: ENHANCE BUFFER OF GILLIAM CREEK (NORTH OF TUKWILA PKWY) BY UNDERPLANTING THE FORESTED AREA OF THE STREAM BUFFER WITH 5-8 WESTERN RED CEDAR TREES (ONE OR TWO GALLON SIZE) SPACED ALONG THE BUFFER. BLACKBERRIES OR OTHER WEEDS SHOULD BE REMOVED FROM A 4 FOOT DIAMETER CLEARED AREA FOR EACH TREE AND THE CLEARED AREAS SHOULD BE MULCHED WITH ARBORIST CHIPS AFTER PLANTING (ENSURING THAT THE WOOD CHIPS ARE KEPT 2-3 INCHES AWAY FROM THE TRUNKS OF TREES). COORDINATE WITH SANDRA WHITING (206) 431-3683 AT THE CITY OF TUKWILA REGARDING THE LOCATIONS OF THE TREE PLANTING.

CITY OF TUKWILA



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE		
1	EX. 2"		1												OCCUPIED
2	2"	1										1			
3	EX. 3"							1	1	2	1				
4	EX. 2"		1				1								OCCUPIED
5	EX. 1.5"									2	1				OCCUPIED
6	EX. 2"						1								OCCUPIED
7	EX. 2"	1	2												OCCUPIED

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE ((RESEED))	2.7
UPGRADE JOB	T612	SIDEWALK	3.7
2" PVC	RRC TO T615	LANDSCAPE ((RESEED))	3.9



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

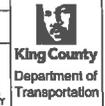
1-800-424-5555
METRO SERVICE DESK

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
TREE PLANTING		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	CHECKED: M. Powers	SITE LOCATION NO:
RECOMMENDED:	CONTRACT NO: C00759C12	ONE INCH AT FULL SIZE 1" = 1' IF NOT ONE INCH, SCALE ACCORDINGLY

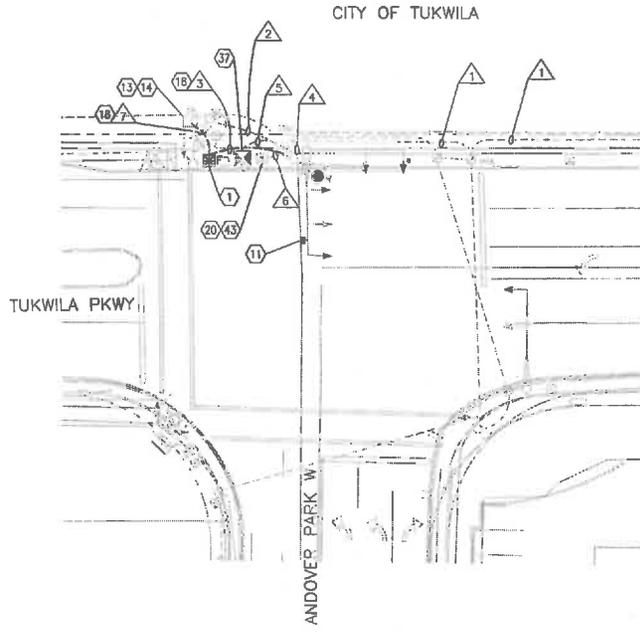


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
TUKWILA PKWY/
ANDOVER PARK E**

DATE:	10/23/12
DRAWING NO.:	117
SHEET NO. OF 70	197

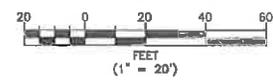
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 PLOTID: con 23, 2013-08-05 10:01 AM By: mdr



- CONSTRUCTION NOTES:**
- FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
 - INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
 - INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
 - INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S15. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
 - TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
 - INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
 - TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
 - CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.

- GENERAL NOTES:**
- CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
 - TUKWILA TRANSIT CENTER PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH CITY OF TUKWILA'S CONTRACTOR FOR WORK AT THE INTERSECTION.
 - CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
 - WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

5. INVITE RICHARD DRIN COX AT (206) 684-8117 OR JERRY GO AT (206) 615-0633 FROM SPU TO THE PRECONSTRUCTION MEETING. AT LEAST 48 HOURS BEFORE THE PRECONSTRUCTION DATE, THE CONTRACTOR SHALL SCHEDULE A SITE MEETING WITH JERRY GO. JERRY SHALL TEST THE SPU FACILITIES BEFORE AND AFTER CONSTRUCTION TO CONFIRM THAT THE SPU FACILITIES HAVE POWER BEFORE AND AFTER CONSTRUCTION.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	----	LANDSCAPE	2.7
2" PVC	RRC TO V9	LANDSCAPE	1.3
2" PVC	RRC TO T701	LANDSCAPE	2.8

CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATSa	12PR	1PR	#8	#8 GROUND		PULL TAPE	
1	EX. 2"		1											OCCUPIED
2	EX. 1.5"		1											OCCUPIED
3	2"						1	1	1	2	1			SPARE
4	EX. 2"						1							OCCUPIED
5	EX. 4"							1	1					OCCUPIED
6	EX. 2"									2	1			OCCUPIED
7	2"	1										1		

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
SPU COORDINATION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
770 Second Ave., Suite 1200
Seattle, Washington 98104
206 345-6300
www.dksassoc.com



DESIGNED: W. Miller
DRAWN: M. Powers
CHECKED: W. Turner
RECOMMENDED: M. Powers
PROJECT MANAGER: M. Powers
SCALE: 1" = 20'
SITE LOCATION: [Blank]
ONE INCH AT FULL SIZE [Blank]
IF NOT ONE INCH, SCALE ACCORDINGLY

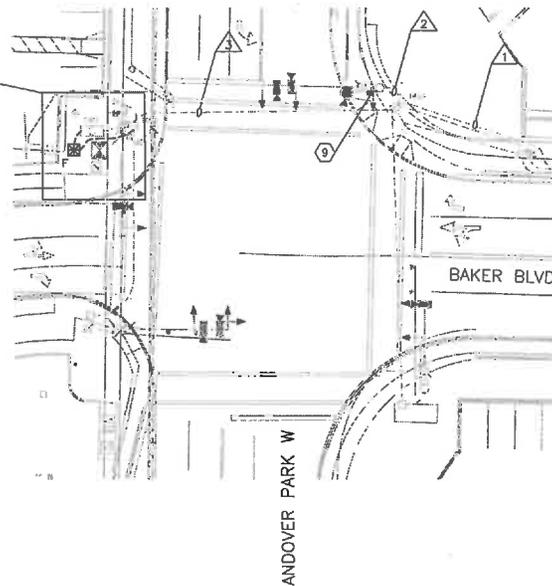
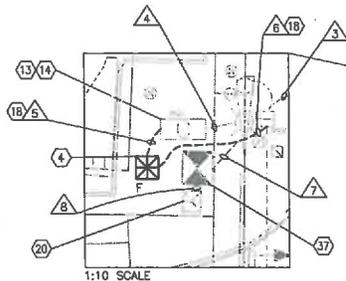


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
TUKWILA PKWY/
ANDOVER PARK W**

DATE: 10/23/12
DRAWING NO.: 118
SHEET NO. OF 71 197

H:\2\Projects\11\11_13_12_000_MC_F-Line_RapidRideA\CD\Drawings\Confirmed Set\VME_ITS-INTERSECTION.dwg | Layout: (1) |
 PLOT DATE: 10/23/12 10:42:07 AM | BY: mdr

CITY OF TUKWILA

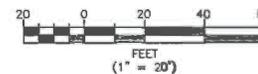


CONSTRUCTION NOTES:

4. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 24CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S16. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTES:

1. CITY OF TUKWILA TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. TUKWILA TRANSIT CENTER PROJECT WILL OCCUR CONCURRENTLY WITH F LINE ITS PROJECT. COORDINATE WITH CITY OF TUKWILA'S CONTRACTOR FOR WORK AT THE INTERSECTION.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
4. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555 UNDERGROUND SERVICE UTILITIES

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
2" PVC	RRC TO TB01	LANDSCAPE	0.5
2" PVC	RRC TO TB02	SIDEWALK	5.7
		LANDSCAPE	0.5

CONDUIT AND WIRING SCHEDULE														
△	CONDUIT SIZE	NEW WIRE										REMARKS		
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE	
1	EX. 2"		1											OCCUPIED
2	EX. 3"						1							OCCUPIED
3	EX. 3"		1				1							OCCUPIED
4	EX. 3"		1											OCCUPIED
5	2"		1									1		
	2"						1	1	1	2	1			
6	2"													SPARE
	2"													
7	EX. 2"							1	1	2	1			OCCUPIED
8	EX. 2"									2	1			OCCUPIED

H:\p\Projects\11\1183-000 KC F-Line RapidRide\001\env\conformed\Sheets\1183-000-001-INT-SECTION.dwg | Layout: (1) | PLOT: Jan 21, 2013 09:28:03pm By: nrl

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 382-8800
www.dksassociates.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	REVISIONS:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



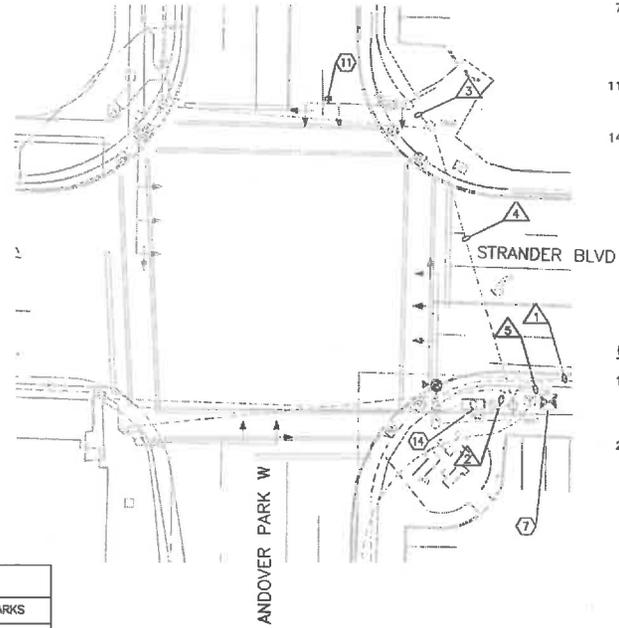
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
ANDOVER PARK W/
BAKER BLVD

DATE:	10/23/12
DRAWING NO:	119
SHEET NO. OF	72 197



CITY OF TUKWILA



CONSTRUCTION NOTES:

7. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL BY CORRESPONDING FIBER COLOR/NUMBER.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S17. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.

GENERAL NOTES:

1. KING COUNTY ROAD SERVICES TO FURNISH DOUBLE DOOR P CABINET WITH TSP INTERFACE PANEL AND TURN OVER TO CITY OF TUKWILA. CITY OF TUKWILA TO TEST AND INSTALL CABINET PRIOR TO START OF CONSTRUCTION.
2. TUKWILA TRANSIT CENTER PROJECT WILL OCCUR CONCURRENTLY WITH F LINE ITS PROJECT. COORDINATE WITH CITY OF TUKWILA'S CONTRACTOR FOR WORK AT THE INTERSECTION.

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE									REMARKS		
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#B		#B GROUND	PULL TAPE
1	EX. 2"		1										OCCUPIED
2	EX. 3"	1	1										OCCUPIED
3	EX. 3"						1						OCCUPIED
4	EX. 4"						1						OCCUPIED
5	EX. 2"	1					1						OCCUPIED



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNINCORPORATED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	SIB NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
ANDOVER PARK W/
STRANDER BLVD**

DATE: 10/23/12
DRAWING NO: 120
SHEET NO. OF 73 197

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 PLOTTED: Jun 21, 2013 12:02:33pm By: mtr

CITY OF TUKWILA

WSDOT SIGNAL

CITY OF TUKWILA

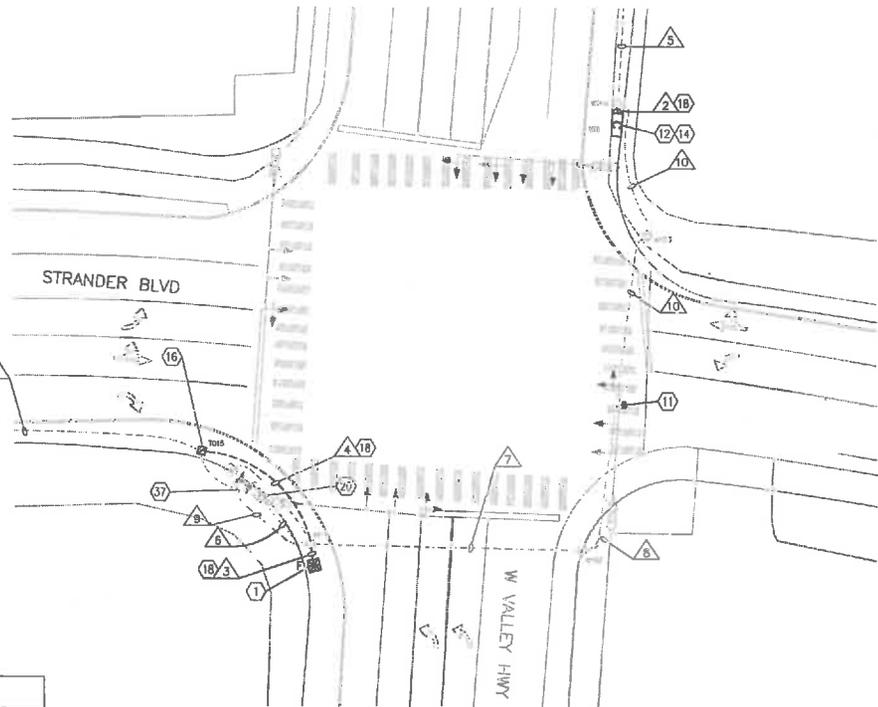


CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S20. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING CITY OF TUKWILA SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO OPTO-ISOLATOR BOARD IN THE CONTROLLER CABINET.

GENERAL NOTES:

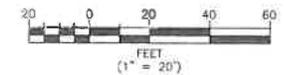
1. SEE TRAFFIC CONTROL DRAWINGS FOR WORK AT WSDOT INTERSECTIONS.
2. WSDOT TO FURNISH AND INSTALL OPTO-ISOLATOR BOARD TO LAND TSP CABLES IN EXISTING CONTROLLER CABINET.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL AND OPTO-ISOLATOR TERMINATION DETAILS.
4. CONDUITS SHOWN WITH WIRE NOTES 1, 5 AND 6 ARE OWNED BY THE CITY OF TUKWILA. ALL OTHER EXISTING CONDUIT SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY WSDOT.
5. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS. EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND IMPROPER DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONDUIT AND WIRING SCHEDULE

CONDUIT SIZE	FIBER					NEW WIRE					REMARKS	
	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1 EX. 2"												OCCUPIED
2 2"	1	1		1							1	
3 2"	1										1	
4 2"		1				1	1	1	2	1	1	
5 EX. 4"				1							4	INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT
6 EX. 2.5"									2	1		OCCUPIED
7 EX. 2"	1	1				1						OCCUPIED
8 EX. 3"						1						OCCUPIED
9 EX. 2"							1	1				OCCUPIED
10 EX. 2"	1	1										OCCUPIED

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	----	LANDSCAPE	2.7
25-TA VAULT	V11	LANDSCAPE	3.4
DPGRADE JB	T015	LANDSCAPE	2.0
2" PVC	W104 TO V11	LANDSCAPE	0.6
2" PVC	T015 TO W101	SIDEWALK	37.5
2" PVC	RRC TO W101	LANDSCAPE	0.5



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION

MOR MCP 1/22/13



DESIGNED: M. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED:	CONTRACT NO: C00759C12
		ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

DATE: 10/23/12

**INTERSECTION PLAN
STRANDER BLVD/
W VALLEY HWY**

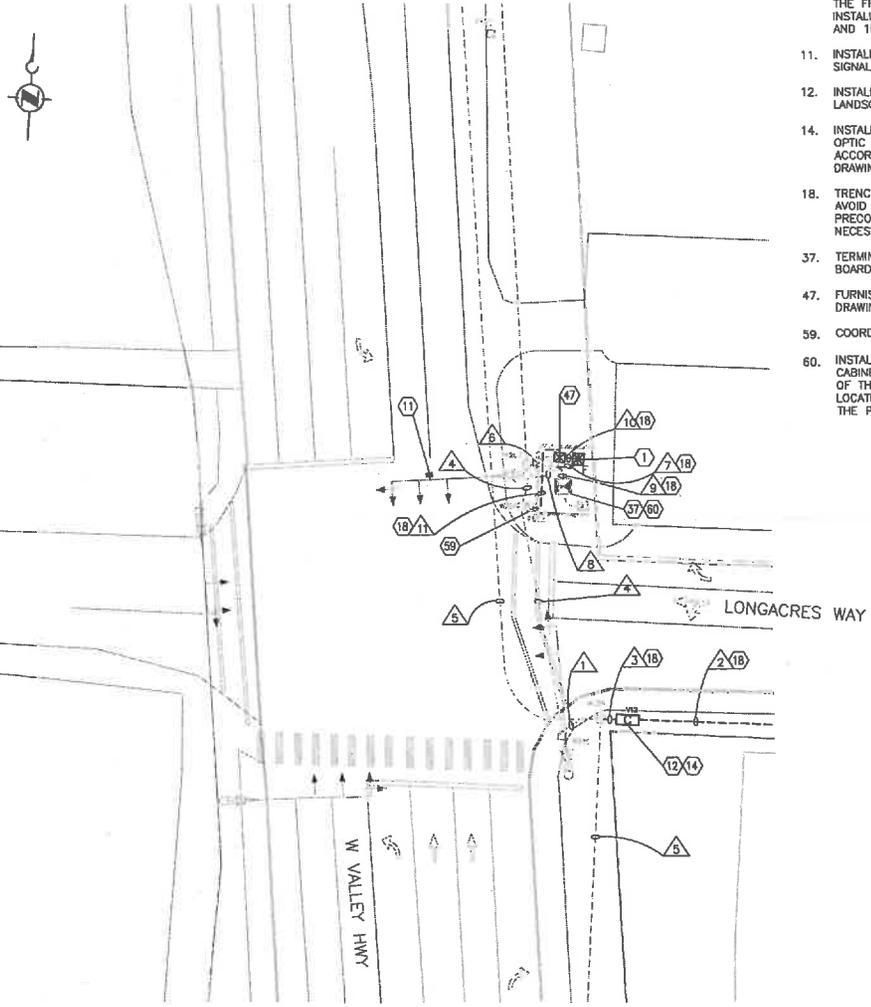
DRAWING NO: 122
SHEET NO. OF 75 197

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CITY OF TUKWILA

WSDOT SIGNAL

CITY OF TUKWILA



CONSTRUCTION NOTES:

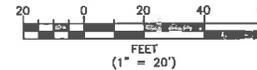
1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S21. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO OPTO-ISOLATOR BOARD IN THE CONTROLLER CABINET.
47. FURNISH AND INSTALL NEW SERVICE CABINET AS SHOWN IN DETAILS ON DRAWING D12.
59. COORDINATE WITH PUGET SOUND ENERGY ON POINT OF SERVICE CONNECTION
60. INSTALL A NEW 1.5" RGS CONDUIT TO THE EDGE OF THE CONTROLLER CABINET FOUNDATION. STUB CONDUIT UP AND PUNCH CONDUIT INTO THE SIDE OF THE CONTROLLER CABINET BASE USING A LB CONDUIT. THE EXACT LOCATION OF THE CONDUIT INTO THE CABINET BASE SHALL BE CONFIRMED BY THE PROJECT REPRESENTATIVE. SEE DETAIL 3 ON DRAWING D6.

GENERAL NOTES:

1. SEE TRAFFIC CONTROL DRAWINGS FOR WORK AT WSDOT INTERSECTIONS.
2. WSDOT TO FURNISH AND INSTALL OPTO-ISOLATOR BOARD TO LAND TSP CABLES IN EXISTING CONTROLLER CABINET.
3. CONTACT MIKE BOONSRIPISAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL AND OPTO-ISOLATOR TERMINATION DETAILS.
4. CONDUITS SHOWN WITH WIRE NOTE 5 ARE OWNED BY THE CITY OF TUKWILA. ALL OTHER EXISTING CONDUIT SHOWN IN THE CONDUIT AND WIRING SCHEDULE ARE OWNED BY WSDOT.
5. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).
6. RESTORE ROCKERY WALL DISTURBED BY TRENCHING TO PRECONSTRUCTION CONDITIONS.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
25-TA VAULT	V12	LANDSCAPE	3.4
2" PVC	W204 TO V12	LANDSCAPE	0.4
2" PVC	RRC TO W201	LANDSCAPE	0.4
2" PVC	RRC TO SC	LANDSCAPE	0.3
2" PVC	SC TO PSE2	LANDSCAPE	3.3

CONDUIT AND WIRING SCHEDULE																
CONDUIT	CONDUIT SIZE	NEW WIRE									REMARKS					
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#6		#8	#8 GROUND	PULL TAPE		
1	EX. 2"	1														OCCUPIED
2	2"			1											1	
3	2"	1			2										1	
4	EX. 1.5"	1														OCCUPIED
5	EX. 4"				1									4		INSTALL 4 INNERDUCTS WITH PULL TAPE IN EACH DUCT
6	EX. 4"	1														OCCUPIED
7	2"	1													1	
8	2"							1	1	1						OCCUPIED
9	EX. 3"							1								
10	1.5" RGS							1	1							
11	2"											2	2	1		



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNCONFINED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MGR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS 719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-0880
www.dksinc.com

concord
ENGINEERING
719 2ND AVENUE, SUITE 630
SEATTLE, WA 98104
PH:206.382.0882



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	REV. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUEST:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

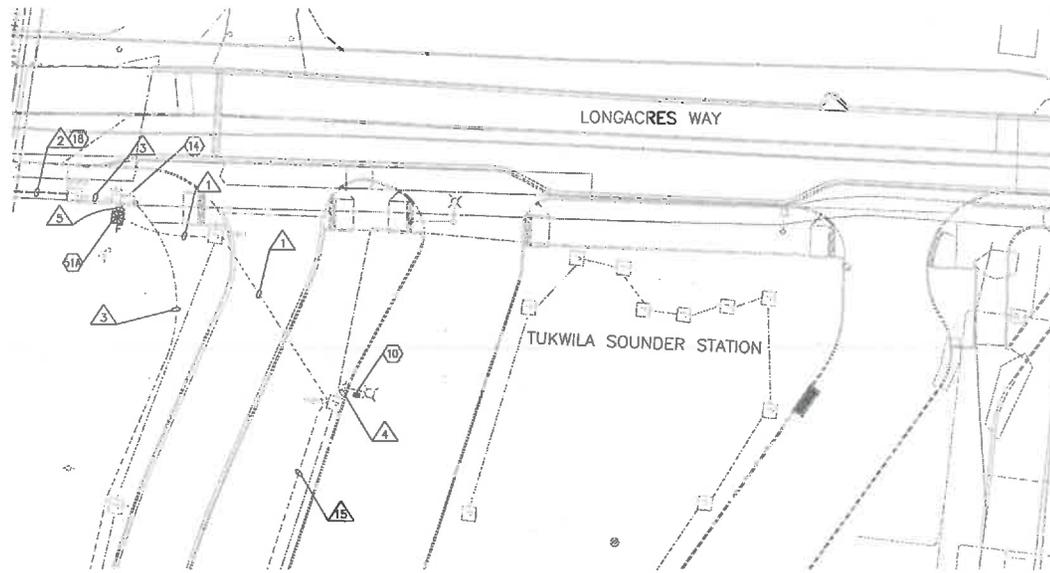
INTERSECTION PLAN
W VALLEY HWY/
LONGACRES WAY

DATE:	10/23/12
DRAWING NO.:	123
SHEET NO. OF 76	197

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 PLOTTED: Jan 21, 2013 - 02:08:54pm By: mfr



CITY OF TUKWILA



CONSTRUCTION NOTES:

10. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON LIGHT POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S22. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- 51A. FURNISH AND INSTALL NEW 336A RAPIDRIDE ITS CABINET ON EXISTING FOUNDATION WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS.

GENERAL NOTES:

1. RAPIDRIDE ITS CABINET FOUNDATION TO BE INSTALLED AS PART OF SOUND TRANSIT COMMUTER RAIL STATION PROJECT. SOUND TRANSIT COMMUTER RAIL STATION PROJECT WILL OCCUR CONCURRENTLY WITH F LINE ITS PROJECT. COORDINATE WITH SOUND TRANSIT'S CONTRACTOR FOR WORK AT THIS SITE.
2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE											REMARKS
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	FIBER 288CT	CAT5e	12PR	1PR	#6	#6 GROUND	
1	EX. 2"							1			2	1	
2	2"			1									1
3	EX. 2"			1									1
4	EX. 2"							1					
5	EX. 2"	1											1
15	EX. 2"										2	1	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNEMPLOYMENT SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-9800
www.thessociety.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUIRED: -	1" = 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
LONGACRES WAY/TUKWILA
SOUNDER STATION**

DATE:	10/23/12
DRAWING NO.:	125
SHEET NO. OF:	78 197

H:\A\1\Projects\11113-00000 MC F-Line RapidRide\001\Drawings\Conformed SA\F LINE ITS INTERSECTION-urban.dwg | Layout: (25)
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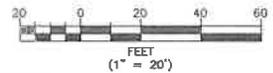
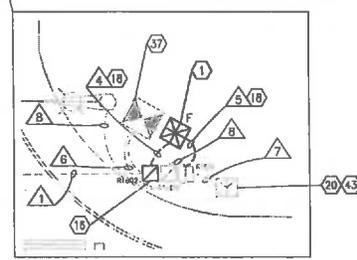
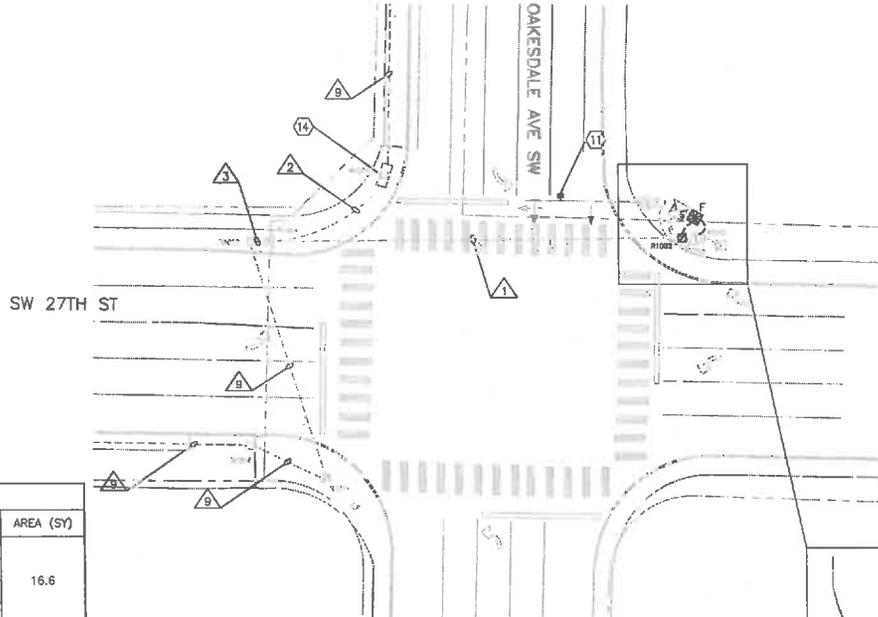
CITY OF RENTON

GENERAL NOTE:

- CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
- KING COUNTY ROAD SERVICES TO FURNISH NEW EAGLE M50 CONTROLLER AND TURN OVER TO THE CITY OF RENTON, CITY OF RENTON TO TEST AND INSTALL NEW CONTROLLER IN EXISTING CABINET PRIOR TO START OF CONSTRUCTION.
- CONTACT MIKE BOONSRIPIAT AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
- FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONSTRUCTION NOTES:

- FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
- INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
- INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S24. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F3.
- REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
- TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
- TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
- CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.



DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	SIDEWALK	16.6
UPGRADE JB	R1002	SIDEWALK	
2" PVC	RRC TO R102	SIDEWALK	
2" PVC	RRC TO R101	SIDEWALK	

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 3"	1										1	OCCUPIED
2	EX. 2"	1		1								1	OCCUPIED
3	EX. 2"			1								1	
4	2"	1										1	
5	2"						1	1	1	2	1		SPARE
6	EX. 2"							1	1				OCCUPIED
7	EX. 2"									2	1		OCCUPIED
8	EX. 2"						1						OCCUPIED
9	EX. 2"			1								1	OCCUPIED

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
IMPROVING SERVICE TODAY

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	ISS REVISION: -	1"
	CONTRACT NO: C0075812	IF NOT ONE INCH, SCALE ACCORDINGLY

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

King County Department of Transportation

INTERSECTION PLAN
OAKESDALE AVE SW/
SW 27TH ST

DATE: 10/23/12
DRAWING NO: 126
SHEET NO. OF 78 197

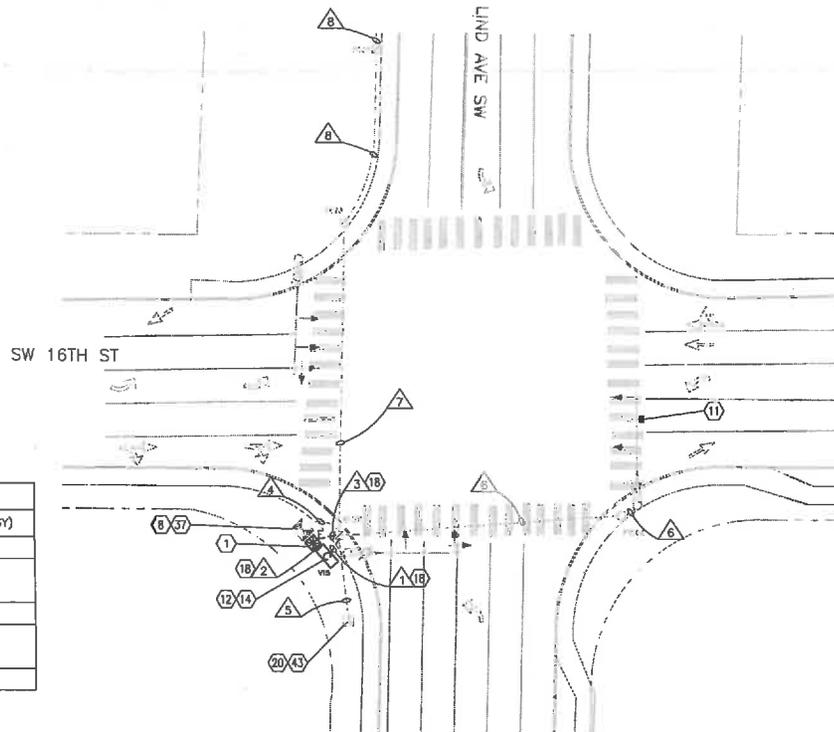
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CITY OF RENTON

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL 2 ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S28. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
43. CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
25-TA VAULT	V15	LANDSCAPE	3.4
2" PVC	RRC TO V15	LANDSCAPE	
2" PVC	RRC TO R1201	LANDSCAPE	0.4
2" PVC	R1201 TO V15	SIDEWALK	1.0
		LANDSCAPE	0.4

CONDUIT AND WIRING SCHEDULE												
CONDUIT	NEW WIRE										REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS _u	12PR	1PR	#8		#8 GROUND
1	2"	1		1								1
2	2"	1										1
3	2"						1	1	1	2	1	
4	EX. 2"	1										
5	EX. 2"									2	1	
6	EX. 3"						1					
7	EX. 2"			1								
8	EX. 3"			1								1



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
(INDUSTRIAL SERVICE USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-8800
www.dksinc.com



DESIGNED:	PROJECT MANAGER:	SCALE:
W. Miller	M. Powers	1" = 20'
DRAWN:	APPROVED:	SITE LOCATION NO:
W. Turner		
CHECKED:	ISS NO:	ONE INCH AT FULL SIZE
M. Powers	DATE REVISION:	1" = 1"
RECOMMENDED:	CONTRACT NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
SW 16TH ST/LIND AVE SW

DATE:	DRAWING NO:	SHEET NO. OF
10/23/12	129	82 197



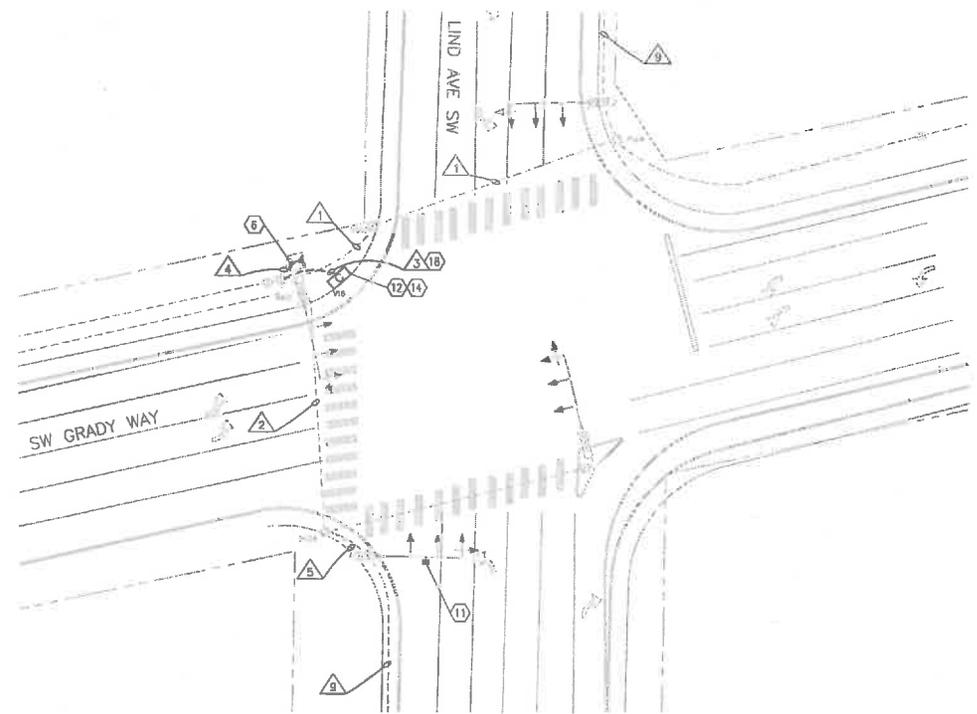
CITY OF RENTON

CONSTRUCTION NOTES:

- 6. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AND A 12CT FIBER PATCH PANEL IN THE LOWER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PISTAL IN THE FIBER PATCH PANEL IN THE UPPER COMPARTMENT BY CORRESPONDING FIBER COLOR/NUMBER. FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL IN THE LOWER COMPARTMENT.
- 11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
- 12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
- 14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S25. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
- 18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.

GENERAL NOTE:

- 1. KING COUNTY ROAD SERVICES TO FURNISH NEW DOUBLE DOOR P CABINET WITH TSP INTERFACE PANEL AND TURN OVER TO CITY OF RENTON. CITY OF RENTON TO TEST AND INSTALL CABINET PRIOR TO START OF CONSTRUCTION.
- 2. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS _e	12PR	1PR	#8	#8 GROUND		PULL TAPE		
1	EX. 3"			1											OCCUPIED
2	EX. 3"			1			1								OCCUPIED
3	2"	2										1			
	2"			2									1		
4	EX. 1.75"	2					1								OCCUPIED
5	EX. 2"						1								OCCUPIED
9	EX. 2"			1									1		OCCUPIED

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED #	AREA (SY)
25-TA VAULT	V16	LANDSCAPE	3.4
2" PVC	R602 TO V16	LANDSCAPE	2.8



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION MOR MCP 11/22/13



DESIGNED: W. Miller
DRAWN: M. Powers
CHECKED: W. Turner
RECOMMENDED: M. Powers
PROJECT MANAGER: M. Powers
APPROVED: [Signature]
SHEET NO. 130 OF 130
SCALE: 1" = 20'
CONTRACT NO. C00759C12



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
LIND AVE SW/
SW GRADY WAY**

DATE: 10/23/12
DRAWING NO: 130
SHEET NO. OF 83 197

H:\Projects\111163-000 MC F-Line RapidRide\00\env\Completed 3sk\LINE_ITS-INTERSECTION_djms.dwg | Layout: (30)
 PLOT: 11/21/2013 02:16:17pm by: mtr



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
- 8A. FURNISH AND INSTALL A NEW 24CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL 2 ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S29. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRE-CONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

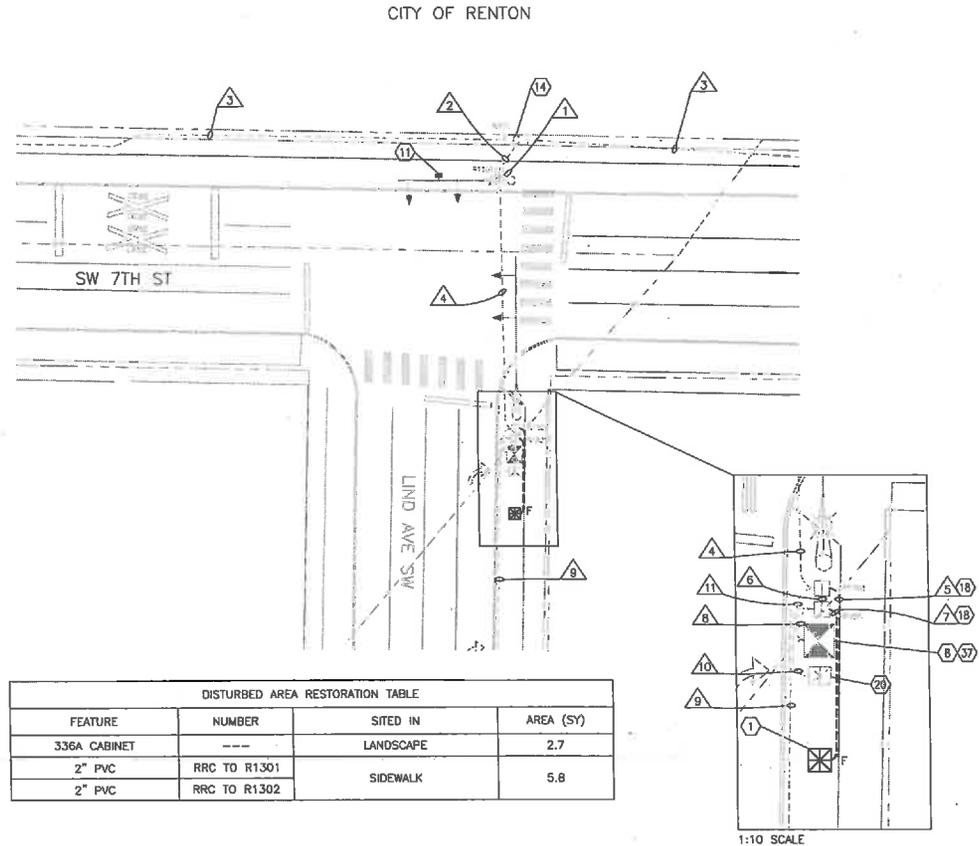
GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CONDUIT AND WIRING SCHEDULE

NO.	CONDUIT		NEW WIRE									REMARKS		
	SIZE	TYPE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"							1						OCCUPIED
2	EX. 3"		1	1	1								1	OCCUPIED
3	EX. 2"						1							①
4	EX. 3"		1	1	1			1						OCCUPIED
5	2"		1					1						OCCUPIED
6	EX. 2"				1									OCCUPIED
7	2"								1	1	2	1		SPARE
8	EX. 2"								1	1				OCCUPIED
9	EX. 2"				1								1	OCCUPIED
10	EX. 2"										2	1		OCCUPIED
11	EX. 3"		1											OCCUPIED

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.



FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
2" PVC	RRC TO R1301	SIDEWALK	5.8
2" PVC	RRC TO R1302		



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
METRO TRANSIT DIVISION

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	WORK REQUIRED: -	1" = 1" - 1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
LIND AVE SW/SW 7TH ST

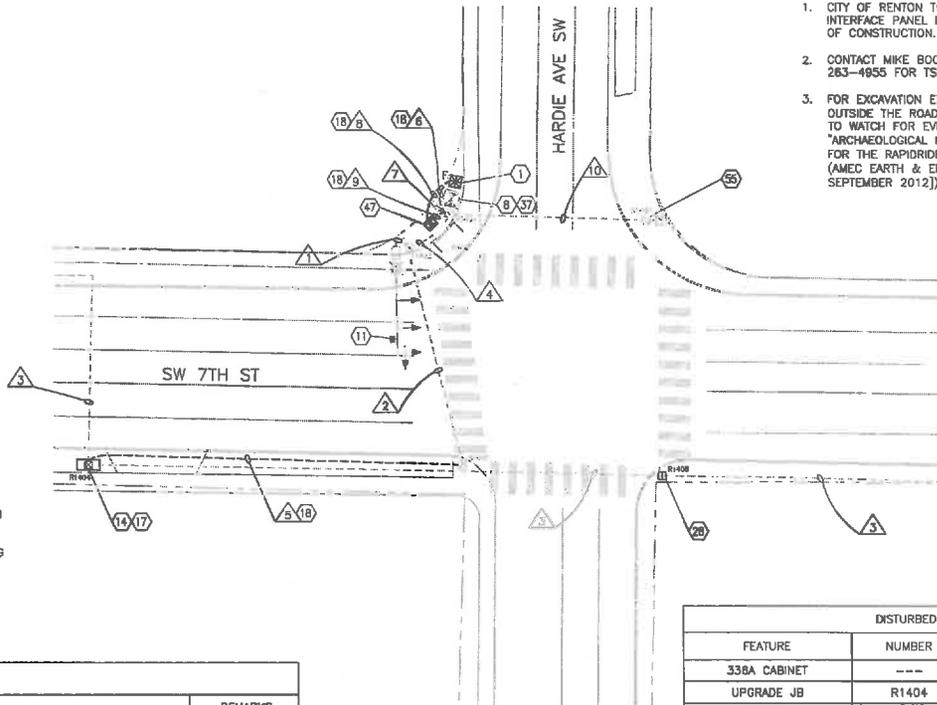
DATE:	10/23/12
DRAWING NO.:	131
SHEET NO. OF 84	197

CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL 2 ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S30. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
17. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A BOTTOMLESS 25-TA VAULT. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE 25-TA VAULT JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D9.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
28. REMOVE TYPE 2 JUNCTION BOX AND REPLACE WITH A TYPE B JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE B JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
47. FURNISH AND INSTALL NEW SERVICE CABINET AS SHOWN IN DETAILS ON DRAWING D12.
55. PULL SERVICE CONDUCTORS TO EXISTING JUNCTION BOX AND COIL 10- FEET OF SLACK IN JUNCTION BOX FOR SERVICE CONNECTION BY THE F LINE FACILITIES PROJECT. LABEL CONDUCTORS IN JUNCTION BOX AS "F LINE ITS SERVICE."

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
3. FOR EXCAVATION EXTENDING 18" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, CONTRACTORS TO WATCH FOR EVIDENCE OF CULTURAL RESOURCES AND CONSULT THE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
UPGRADE JB	R1404	SIDEWALK	7.8
2" PVC	R1405 TO R1404	LANDSCAPE	13.8
2" PVC	SC TO TBD	LANDSCAPE	1.1
2" PVC	RRC TO SC	LANDSCAPE	0.3
2" PVC	SC TO R1401	LANDSCAPE	2.8
2" PVC	RRC TO R1401	LANDSCAPE	1.5
UPGRADE JB	R1406	SIDEWALK	2.0

CONDUIT	NEW WIRE											REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#6	#8		#8 GROUND	PULL TAPE
1	EX. 1.5"						1							OCCUPIED
2	EX. 3"	2												OCCUPIED
3	EX. 2"					1							1	①
4	EX. 3"	2					1							OCCUPIED
5	2"	2											1	
6	2"	1											1	
7	2"						1	1	1					
8	2"										2	1		
9	2"										2			
10	2"										2			OCCUPIED

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.

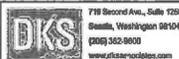


CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNEMPLOYMENT COMPENSATION (UCS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APPD	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: M. Powers	ONE INCH AT FULL SIZE
		IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
SW 7TH ST/HARDIE AVE SW**

DATE: 10/23/12
DRAWING NO: 132
SHEET NO. OF 85 197



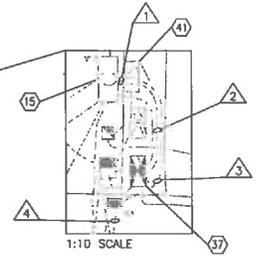
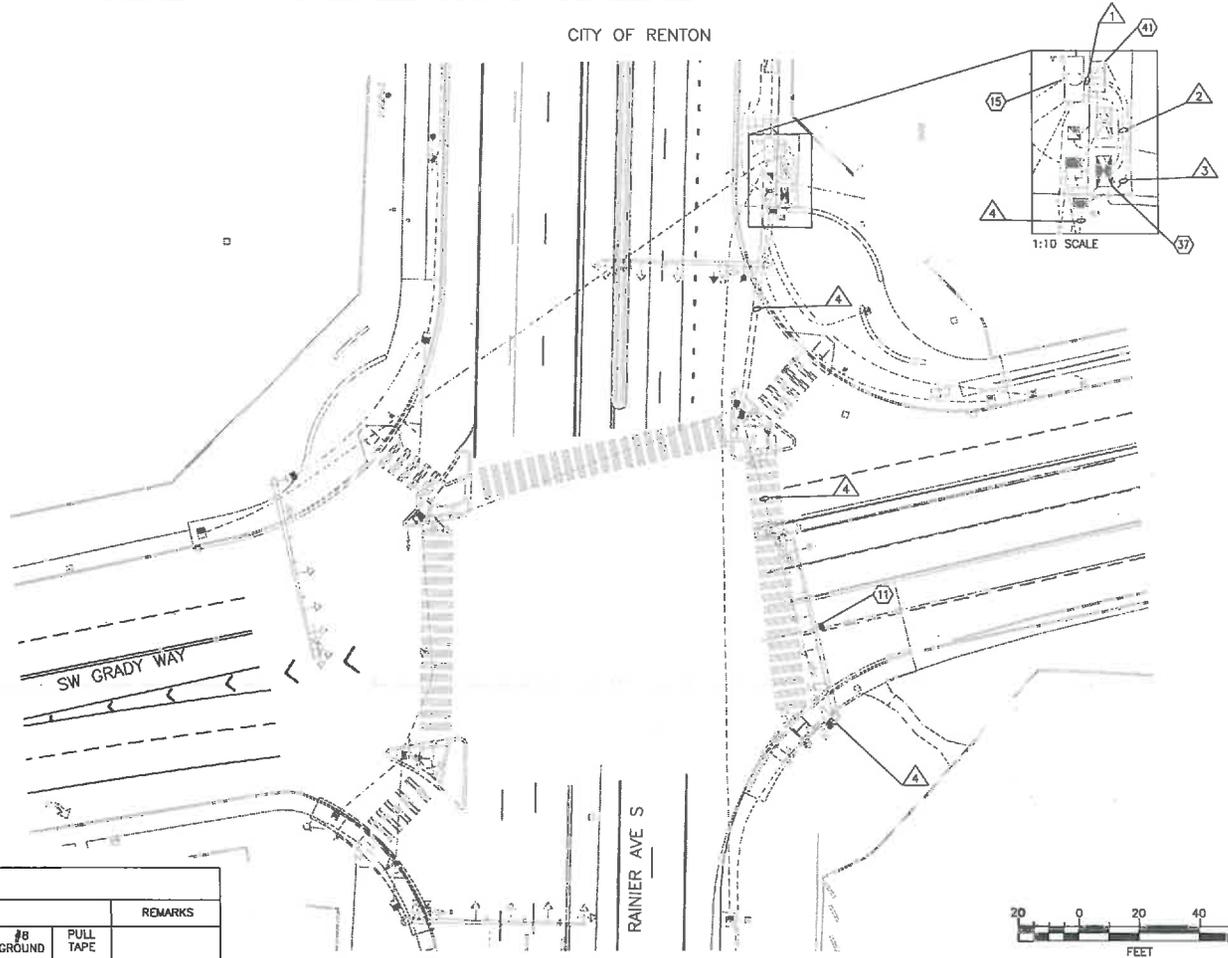
CONSTRUCTION NOTES:

11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO FIBER OPTIC SPLICE DIAGRAM 531. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS FA.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
41. FURNISH AND INSTALL A NEW 12CT PRE-TERMINATED PATCH PANEL, AS WELL AS ADDITIONAL EQUIPMENT IN THE EXISTING RAPIDRIDE ITS CABINET AS SHOWN IN DETAIL ON DRAWING D1. INSTALL THE KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE THE 12PR AND 1PR COMMUNICATION CONDUCTORS TO PANEL.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. RAPIDRIDE ITS CABINET TO BE FURNISHED BY KING COUNTY AND INSTALLED BY CITY OF RENTON AS PART OF THE RAINIER AVE S PROJECT. RAINIER AVE PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH THE CITY OF RENTON'S CONTRACTOR FOR WORK AT THIS INTERSECTION.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
4. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).

CITY OF RENTON



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNASSISTED SERVICE (USA)

CONDUIT AND WIRING SCHEDULE														
Δ	CONDUIT SIZE	NEW WIRE										REMARKS		
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE	
1	EX. 2"	1											1	
2	EX. 2"							1	1					
3	EX. 2"							1						
4	EX. 2"							1						OCCUPIED

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVER:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: - ISSN REQUIRED: -	ONE INCH AT FULL SIZE 1"
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
SW GRADY WAY/
RAINIER AVE S**

DATE:	10/23/12
DRAWING NO:	133
SHEET NO. OF:	86 197

H:\02_Program\11\11183_000_MC_F-Line_RapidRide\GIS\Conformed_SAV\LINE_ITS-INTERSECTION_urban.dwg | Layout: (33) | Plot Date: 10/23/12 10:52:03 AM | By: rml

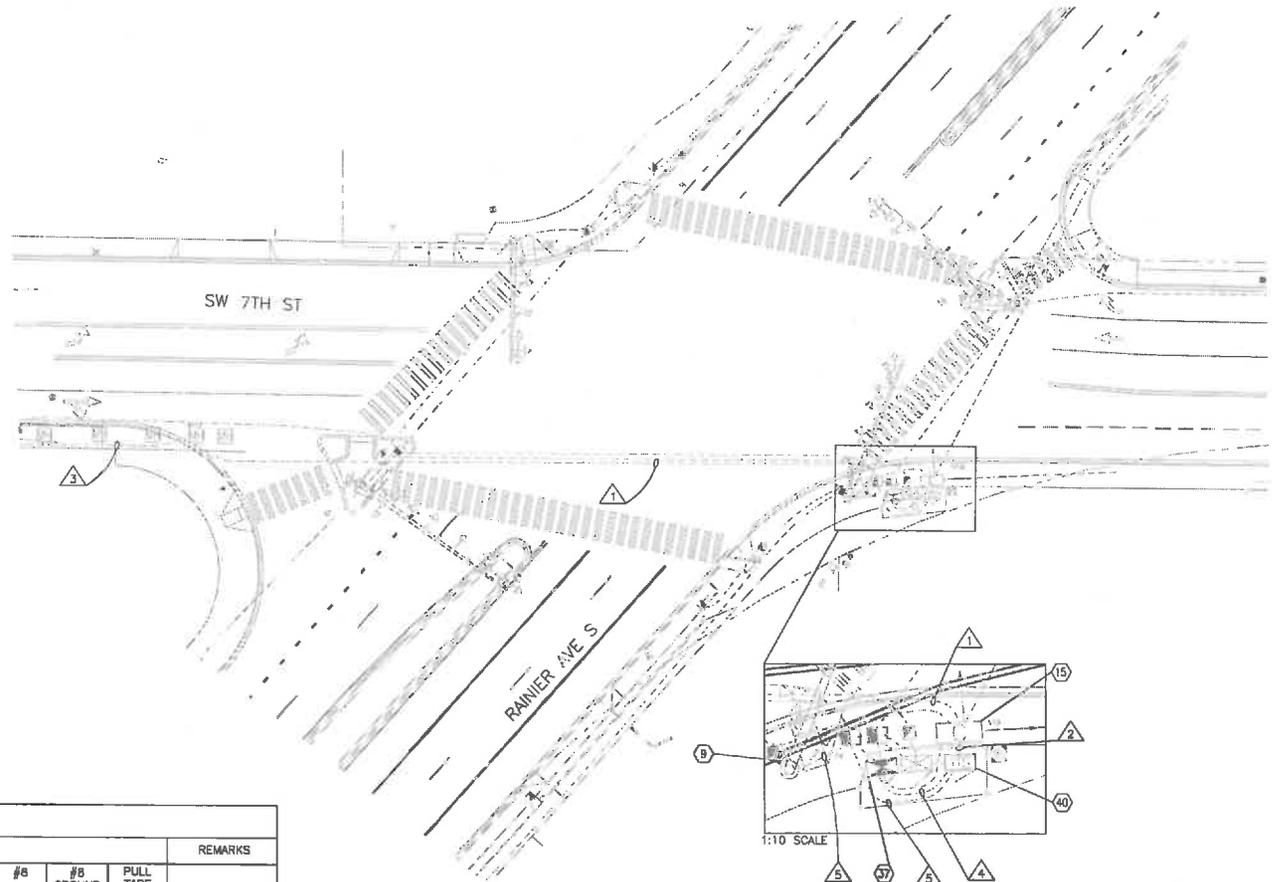
CITY OF RENTON

CONSTRUCTION NOTES:

9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S32. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
40. FURNISH AND INSTALL NEW 144CT PRE-TERMINATED PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT IN THE EXISTING RAPIDRIDE ITS TERMINATION CABINET AS SHOWN IN DETAIL ON DRAWING D2. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE THE 12PR AND 1PR COMMUNICATION CONDUCTORS TO PANEL.

GENERAL NOTE:

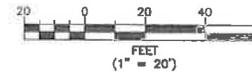
1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. RAPIDRIDE ITS CABINET TO BE FURNISHED BY KING COUNTY AND INSTALLED BY CITY OF RENTON AS PART OF THE RAINIER AVE S PROJECT. RAINIER AVE PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH THE CITY OF RENTON'S CONTRACTOR FOR WORK AT THIS INTERSECTION.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
4. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL, INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CATS ^a	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 4"					1						1	OCCUPIED
2	EX. 2"			1	1							1	
3	EX. 2"					1						1	①
4	EX. 2"							1	1				
5	EX. 2"						1						

① EXISTING CONDUIT PATHWAY HAS 2-2" CONDUITS. INSTALL CABLES IN THE EMPTY CONDUIT WITH PULL TAPE.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

DATE: 10/23/12

INTERSECTION PLAN
SW 7TH ST/RAINIER AVE S

DRAWING NO: 134

SHEET NO: OF 87 197

K:\M01\Projects\11\1153-000 KC F-Line RapidRide\CAD\dwg\Confirmed SW\F LINE ITS-INTERSECTION_ghana.dwg | Layout: 134
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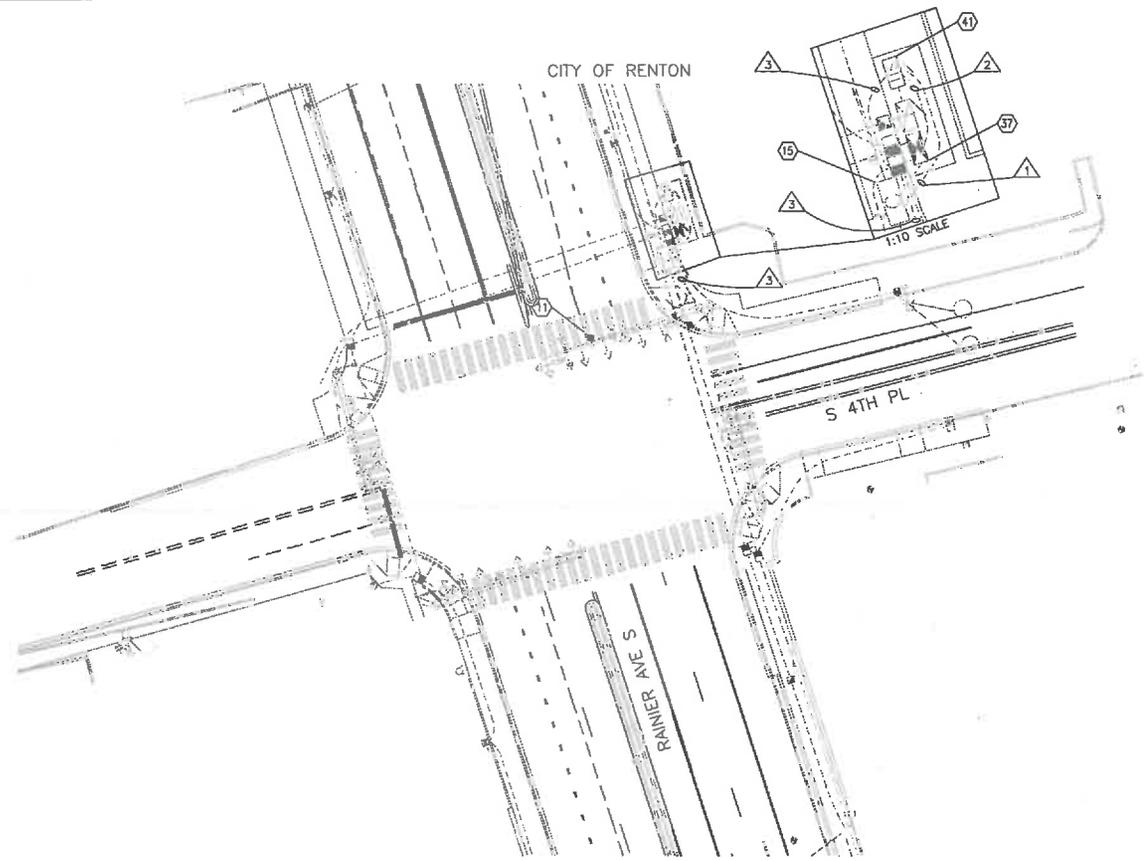


CONSTRUCTION NOTES:

11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S33. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F4.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
41. FURNISH AND INSTALL A NEW 12CT PRE-TERMINATED PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT IN THE EXISTING RAPIDRIDE ITS CABINET AS SHOWN IN DETAIL ON DRAWING D1. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE THE 12PR AND 1PR COMMUNICATION CONDUCTORS TO PANEL.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. RAPIDRIDE ITS CABINET TO BE FURNISHED BY KING COUNTY AND INSTALLED BY CITY OF RENTON AS PART OF THE RAINIER AVE S PROJECT. RAINIER AVE PROJECT WILL OCCUR CONCURRENTLY WITH THE F LINE ITS PROJECT. COORDINATE WITH THE CITY OF RENTON'S CONTRACTOR FOR WORK AT THIS INTERSECTION.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.
4. WHERE EXCAVATION EXTENDS 12" BELOW EXISTING GRADE, AND/OR OUTSIDE THE ROAD PRISM, AND/OR INTO NATIVE SOILS, EXCAVATION MUST BE MONITORED BY AN ARCHAEOLOGIST WORKING UNDER SUPERVISION OF A PROFESSIONAL ARCHAEOLOGIST WHO MEETS THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION (DAHP) STANDARDS. SEE "ARCHAEOLOGICAL MONITORING PLAN AND INADVERTENT DISCOVERY PLAN FOR THE RAPIDRIDE F LINE PROJECT, KING COUNTY, WASHINGTON" (AMEC EARTH & ENVIRONMENTAL INC., SEPTEMBER 30, 2012 [REVISED SEPTEMBER 2012]).



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 288CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"	1										1	
2	EX. 2"							1	1				
3	EX. 2"						1						



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNRECORDED SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 382-8800
www.dksconsultants.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	REV. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	1"
	C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
S 4TH PL/RAINIER AVE S

DATE: 10/23/12
DRAWING NO.:
135
SHEET NO. OF:
88 197

H:\6) Projects\11\1183-000_KC_F-Line_RapidRide\CAD\Drawings\CONFORMED Set\VT_LINE ITS INTERSECTION.dwg | Layout: (35)
 PLOTFILE: Jan 21, 2013 02:11:28am By: mdr

CITY OF RENTON

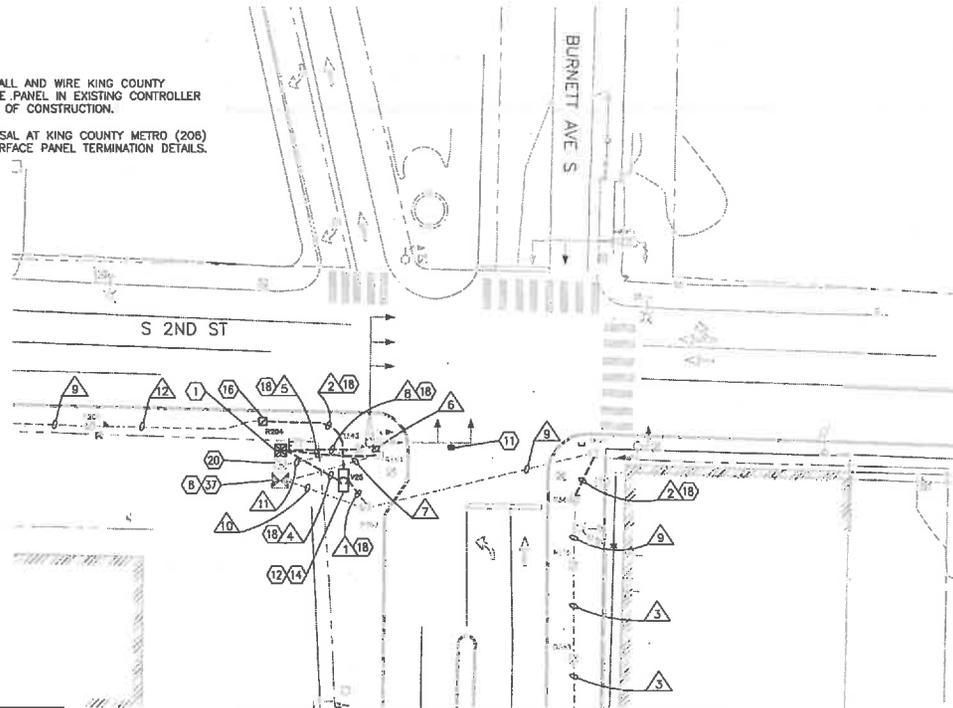


CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1P COMMUNICATION CABLES TO PANEL.
8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL 2 ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S35. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F9.
16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSHPISAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.



CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5a	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	2"	1										1	
2	2"			1								1	
3	EX. 2"			1								1	
4	2"	1										1	
5	2"						1	1	1				
6	EX. 3"						1						OCCUPIED
7	EX. 3"							1	1				OCCUPIED
8	2"									2	1		
9	EX. 2"			1									OCCUPIED
10	EX. 3"	1											OCCUPIED
11	EX. 1.5"									2	1		OCCUPIED
12	EX. 1.5"			1									OCCUPIED

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
25-TA VAULT	V25	SIDEWALK	129.7
UPGRADE JB	R204	SIDEWALK	
2" PVC	R204 TO V25	SIDEWALK	
2" PVC	RRC TO R343	SIDEWALK	
2" PVC	RRC TO R344	SIDEWALK	
2" PVC	RRC TO V25	SIDEWALK	
2" PVC	R342 TO V25	SIDEWALK	
2" PVC	R340 TO R341	SIDEWALK	
2" PVC	R340 TO R341	SIDEWALK	
2" PVC	R340 TO R341	SIDEWALK	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNINCORPORATED SERVICE (USA)

CONFORMED FOR CONSTRUCTION

MDR MCP | /22/13



DESIGNED: W. Miller
 DRAWN: M. Powers
 CHECKED: W. Turner
 M. Powers
 RECOMMENDED: M. Powers

PROJECT MANAGER: M. Powers

SCALE: 1" = 20'
 SITE LOCATION NO:
 ONE INCH AT FULL SIZE
 IF NOT ONE INCH, SCALE ACCORDINGLY

ISS NO:
 CONTRACT NO: C00759C12



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
 BURNETT AVE S/S 2ND ST

DATE: 10/23/12

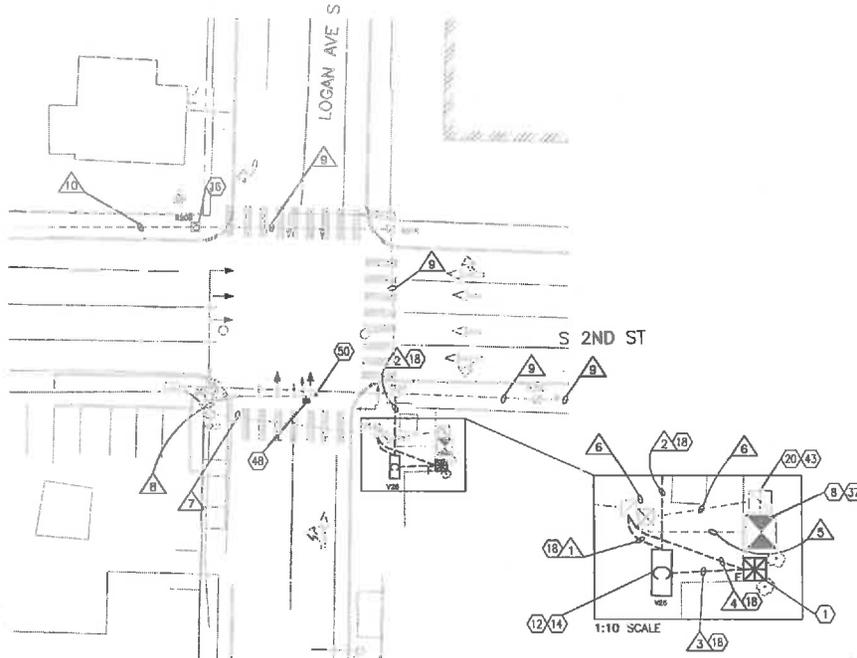
DRAWING NO: 139
 SHEET NO. OF 92 197



CITY OF RENTON

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 283-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
8. FURNISH AND INSTALL A NEW 12CT FIBER PATCH PANEL IN THE EXISTING CONTROLLER CABINET AS SHOWN IN DETAIL 2 ON DRAWING D5 AND FIELD TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL.
12. INSTALL 25-TA VAULT. REPLACE SIDEWALK TO NEAREST JOINT OR RESTORE LANDSCAPING AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO FIBER OPTIC SPLICE DIAGRAM S35. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F5.
16. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE 2 JUNCTION BOX. ALL EXISTING CONDUITS SHALL BE CUT BACK TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 2 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT, MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
43. CONSOLIDATE EXISTING SERVICE TO PROVIDE SPACE FOR ADDITIONAL BREAKER IN EXISTING PANEL. SEE SERVICE CONSOLIDATION SUMMARY ON DRAWING D13 FOR DETAILS.
48. INSTALL KING COUNTY FURNISHED RAPIDRIDE ACCESS POINT AND ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8.
50. INSTALL KING COUNTY FURNISHED PANEL ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8. VERIFY LOCATION AND ORIENTATION OF PANEL ANTENNAS WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.

M:\23_Planets\11\11-13-2009_000_UC_F-Line_RapidRide(CAD)de3\Confirmed - s4V\LINE_ITS-INTERSECTION_LANDSCAPING.dwg | Log.nbr: (40) | PLOTED: Jun 21, 2013 9:28:20 AM By: mtr

CONDUIT AND WIRING SCHEDULE													
CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	2"	1										1	
2	2"			2								1	
3	2"	1										1	
4	2"						1	1	1	2	1		
5	EX. 3"	1						1	1				OCCUPIED
6	EX. 1.25"										1		OCCUPIED
7	EX. 3"						1						
8	EX. 3"						1						OCCUPIED
9	EX. 2"											1	OCCUPIED
10	EX. 1.5"			1								1	OCCUPIED

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
25-TA VAULT	V26	SIDEWALK	40.8
2" PVC	R207 TO V26	SIDEWALK	
2" PVC	RRC TO R220	SIDEWALK	
2" PVC	RRC TO V26	SIDEWALK	
2" PVC	R220 TO V26	SIDEWALK	
UPGRADE JB	R209	SIDEWALK	3.4



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555 UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDF	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: M. Ricks	APPROVED: M. Powers	SHEET LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	CONTRACT NO: C00759C12	IF NOT ONE INCH SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
LOGAN AVE S/S 2ND ST

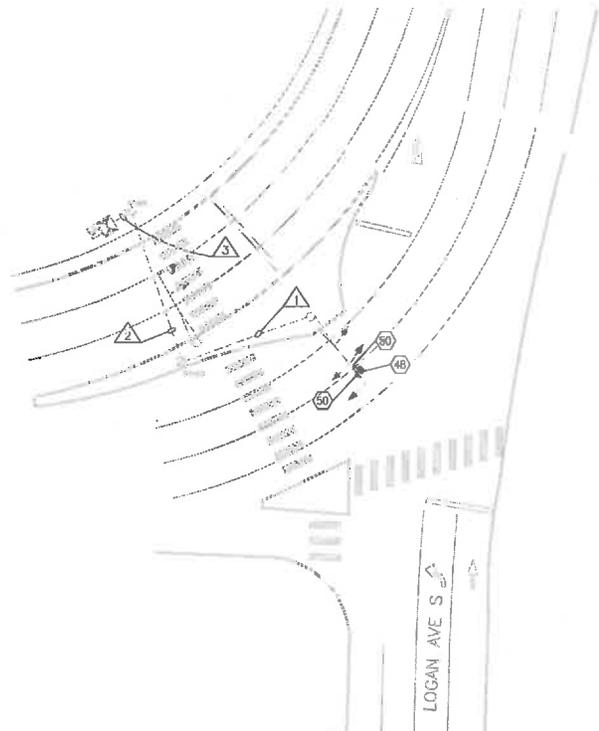
DATE: 10/23/12
DRAWING NO: 140
SHEET NO. OF 93 197



CITY OF RENTON

AIRPORT WAY S

LOGAN AVE S



CONSTRUCTION NOTES:

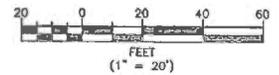
- 48. INSTALL KING COUNTY FURNISHED RAPIDRIDE ACCESS POINT AND ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING DB.
- 50. INSTALL KING COUNTY FURNISHED PANEL ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING DB. VERIFY LOCATION AND ORIENTATION OF PANEL ANTENNA WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.

GENERAL NOTE:

- 1. KING COUNTY ROAD SERVICES TO FURNISH NEW DOUBLE DOOR P CABINET WITH TSP INTERFACE PANEL AND TURN OVER TO CITY OF RENTON. CITY OF RENTON TO TEST AND INSTALL CABINET PRIOR TO START OF CONSTRUCTION.

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE										REMARKS		
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"						1						OCCUPIED
2	EX. 1.5"						1						OCCUPIED
3	EX. 2.5"						1						OCCUPIED

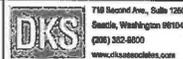


CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN:	APPROVED:	SITE LOCATION NO:
CHECKED: M. Ricks	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED: M. Powers	ISS. REASON: -	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO: C00759C12	

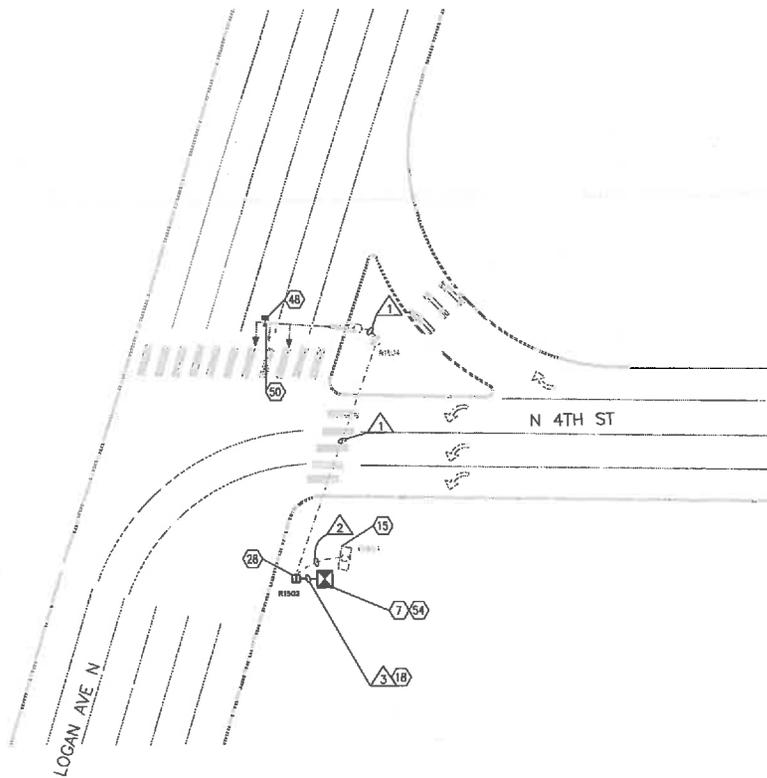


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**INTERSECTION PLAN
LOGAN AVE S/
AIRPORT WAY S**

DATE: 10/23/12
DRAWING NO: 142
SHEET NO. OF 85 187

CITY OF RENTON



CONSTRUCTION NOTES:

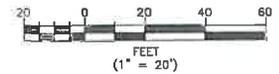
7. FURNISH AND INSTALL A 12CT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE DOUBLE DOOR P CABINET AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN THE DETAILS ON DRAWING D4. SPLICE FIBER CABLE TO PRE-TERMINATED PIGTAIL IN THE FIBER PATCH PANEL BY CORRESPONDING FIBER COLOR/NUMBER.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM 539. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO THE QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.
16. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
28. REMOVE TYPE 2 JUNCTION BOX AND REPLACE WITH A TYPE 8 JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE 8 JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
48. INSTALL KING COUNTY FURNISHED RAPIDRIDE ACCESS POINT AND ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8.
50. INSTALL KING COUNTY FURNISHED PANEL ANTENNA ON SIGNAL POLE MAST ARM AS SHOWN IN DETAIL 4 ON DRAWING D8. VERIFY LOCATION AND ORIENTATION OF PANEL ANTENNA WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
54. POUR NEW FOUNDATION AROUND EXISTING FOUNDATION TO ACCOMMODATE A RENTON TYPE P CONTROLLER CABINET AS SHOWN IN OVERPOUR DETAIL 2 ON DRAWING D8. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET. INSTALL NEW CITY OF RENTON FURNISHED DOUBLE DOOR P CABINET ON NEW FOUNDATION. FRONT DOOR SHALL FACE THE SAME DIRECTION AS THE EXISTING CABINET. RECONNECT ALL EXISTING TRAFFIC SIGNAL WIRING PER CITY OF RENTON STANDARDS.

GENERAL NOTES:

1. KING COUNTY ROAD SERVICES TO FURNISH DOUBLE DOOR P CABINET WITH TSP INTERFACE PANEL AND TURN OVER TO CITY OF RENTON PRIOR TO START OF CONSTRUCTION. CITY OF RENTON TO TEST CABINET AND TURN OVER TO CONTRACTOR FOR INSTALLATION.

CONDUIT AND WIRING SCHEDULE															
CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE		
1	EX. 2"						1								OCCUPIED
2	EX. 2"	1													OCCUPIED
3	3"	1											1		
	3"														

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	R1502	LANDSCAPE	3.0
2" PVC	DDP TO R1502	LANDSCAPE	1.1



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED W. Miller	PROJECT MANAGER M. Powers	SCALE: 1" = 20'
DRAWN M. Riets	APPROVED	SITE LOCATION NO.
CHECKED M. Powers	SIS NO:	ONE INCH AT FULL SIZE
RECOMMENDED	ISSUE NO:	1"
	CONTRACT NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

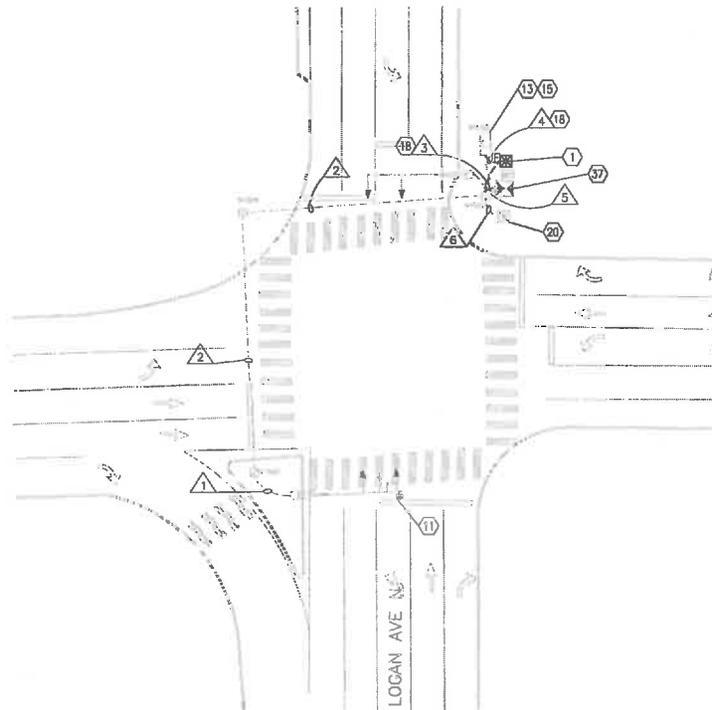


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INTERSECTION PLAN
LOGAN AVE N/N 4TH ST**

DATE:	10/23/12
DRAWING NO:	143
SHEET NO. OF	96 197

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 PLOT: 01/21/2013 10:52:32am By mdr

CITY OF RENTON



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S40. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO THE QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIKAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS	
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	EX. 3"						1						OCCUPIED
2	EX. 2"						1						
3	2"						1	1	1	2	1		
	2"											1	SPARE
4	2"	1											
5	EX. 3"							1	1				
6	EX. 2"								2	1			OCCUPIED

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
2" PVC	RRC TO R1508	SIDEWALK	4.2
2" PVC	RRC TO R1507	SIDEWALK	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-3800
www.dksassoc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: M. Ricks	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: M. Powers	ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO: CD0759C12	

King County
Department of Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
LOGAN AVE N/N 6TH ST

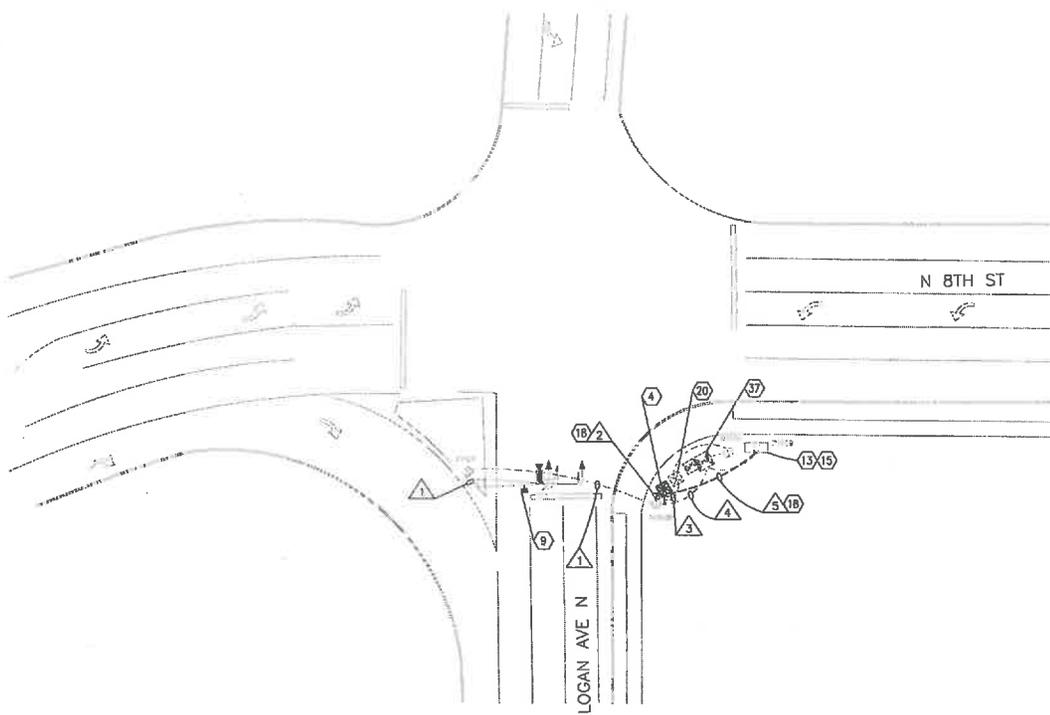
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SHEET NO. OF 97 197

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 PLOT: 10/21/2012 10:24:49am By: mdr



CITY OF RENTON



CONSTRUCTION NOTES:

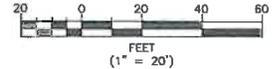
4. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 24CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S41. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.
18. TRENCH AND INSTALL CONDUIT, ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.

CONDUIT AND WIRING SCHEDULE													
△	CONDUIT SIZE	NEW WIRE									REMARKS		
		FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8		#8 GROUND	PULL TAPE
1	EX. 2"						1						OCCUPIED
2	2"						1	1	1	2	1		SPARE
3	EX. 2"									2	1		OCCUPIED
4	EX. 2"							1	1				OCCUPIED
5	2"		1									1	

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	---	LANDSCAPE	2.7
2" PVC	RRC TO R1509	LANDSCAPE	3.7
2" PVC	RRC TO R1510B	LANDSCAPE	0.6



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: M. Ricks	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	ONE INCH AT FULL SIZE
RECOMMENDED: -	ISS REQUIRED: -	1"
	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

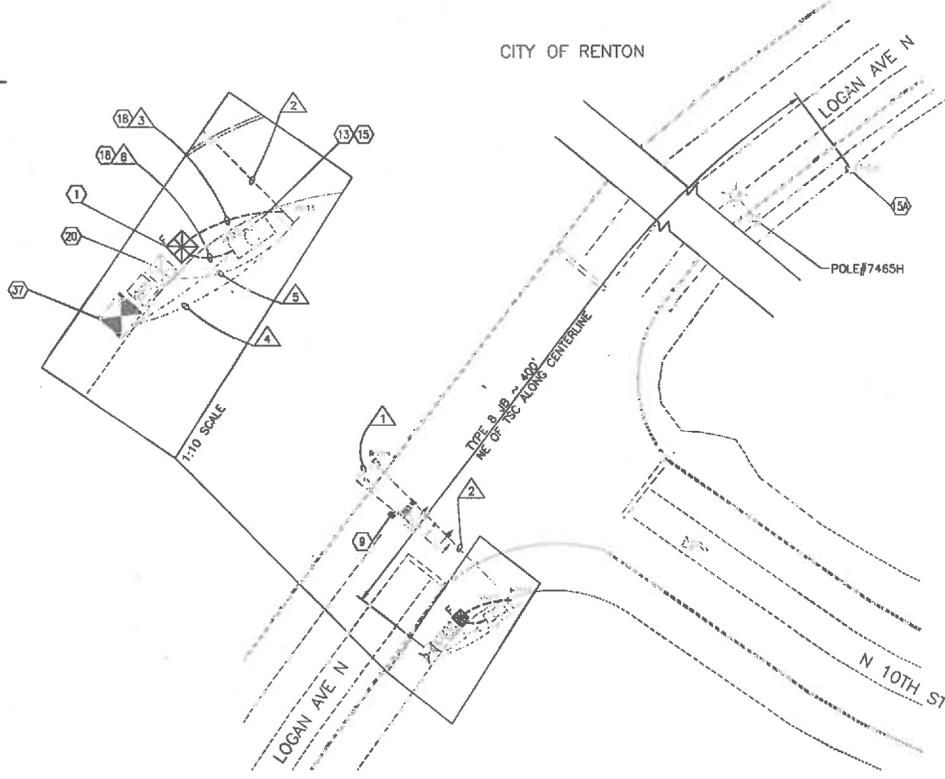


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
LOGAN AVE N/N 8TH ST

DATE:	10/23/12
DRAWING NO:	145
SHEET NO. OF	98 197



CITY OF RENTON



CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S40. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS FB.
- 15A. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S42. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS FB.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE TRAFFIC SIGNAL CONTROLLER CABINET.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.

CONDUIT AND WIRING SCHEDULE

CONDUIT	NEW WIRE											REMARKS			
	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CATS ₆	12PR	1PR	#8	#8 GROUND		PULL TAPE		
1	EX. 2"						1								OCCUPIED
2	EX. 2"						1								
3	2"						1	1	1	2	1				SPARE
4	EX. 3"							1	1						OCCUPIED
5	EX. 2"									2	1				OCCUPIED
6	2"	1											1		

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SQ)
336A CABINET	---	SIDEWALK	46.6
2" PVC	RRC TO R1512	SIDEWALK	
2" PVC	RRC TO R1513	SIDEWALK	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE UNIT

Call before you Dig.

CONFORMED FOR CONSTRUCTION

MDR MCP 1/22/13



DESIGNED: W. Miller
 DRAWN: M. Powers
 APPROVED: M. Ricks
 CHECKED: M. Powers
 RECOMMENDED: M. Powers
 PROJECT MANAGER: M. Powers
 APPROVED: M. Powers
 DATE: 1/22/13
 CONTRACT NO: C00759C12

SCALE: 1" = 20'
 SITE LOCATION NO:
 ONE INCH AT FULL SIZE
 IF NOT ONE INCH, SCALE ACCORDINGLY

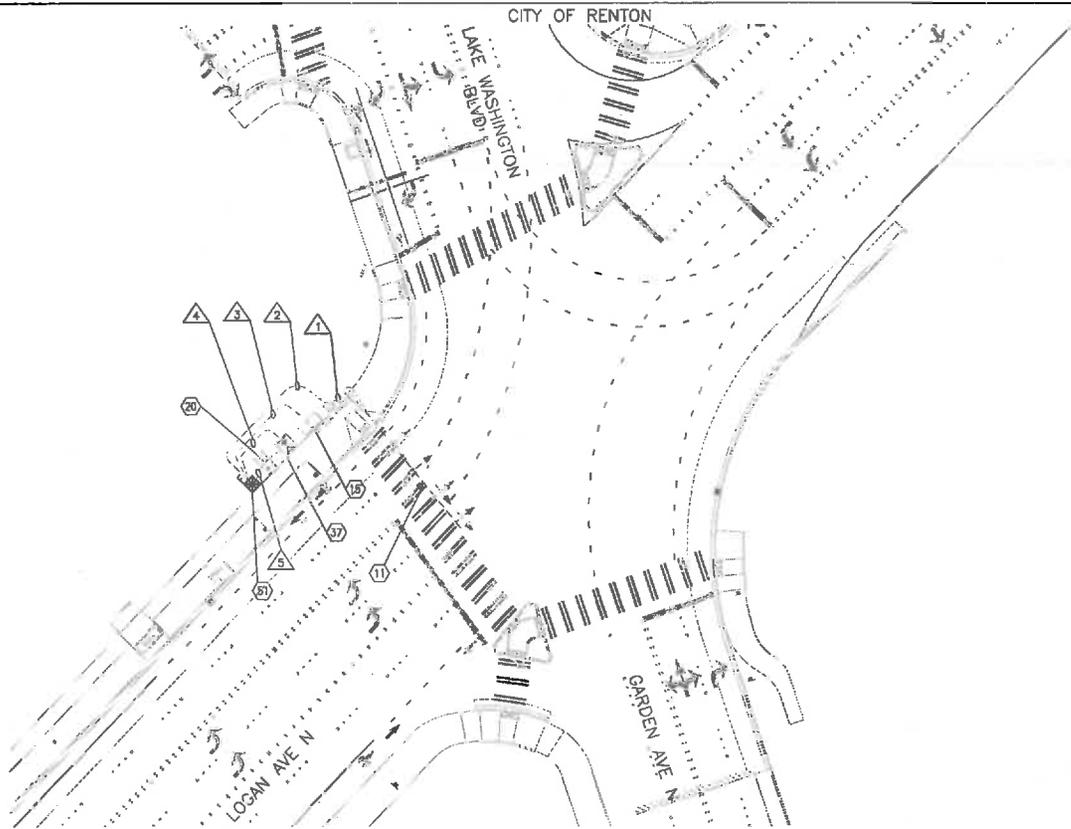


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
LOGAN AVE N/N 10TH ST

DATE: 10/23/12
 DRAWING NO: 146
 SHEET NO. OF 99 197

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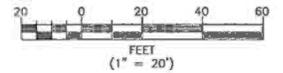


CONSTRUCTION NOTES:

11. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE MAST ARM AS SHOWN IN DETAILS ON DRAWING D7.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S44. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW 338A RAPIDRIDE ITS CABINET ON EXISTING FOUNDATION WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CITY OF RENTON TO INSTALL FOUNDATION FOR RAPIDRIDE ITS CABINET AS PART OF THE GARDEN AVE N/N PARK ST INTERSECTION IMPROVEMENT PROJECT.
3. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4855 FOR TSP INTERFACE PANEL TERMINATION DETAILS.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE (USA)

CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
1	EX. 3"						1						OCCUPIED
2	EX. 2"						1						
3	EX. 2"	1										1	
4	EX. 2"							1	1				
5	EX. 2"									2	1		

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 718 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 342-0600
 www.dksassociates.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: M. Ricks	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: -	ONE INCH AT FULL SIZE 1" = 1" IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO: C00758C12		

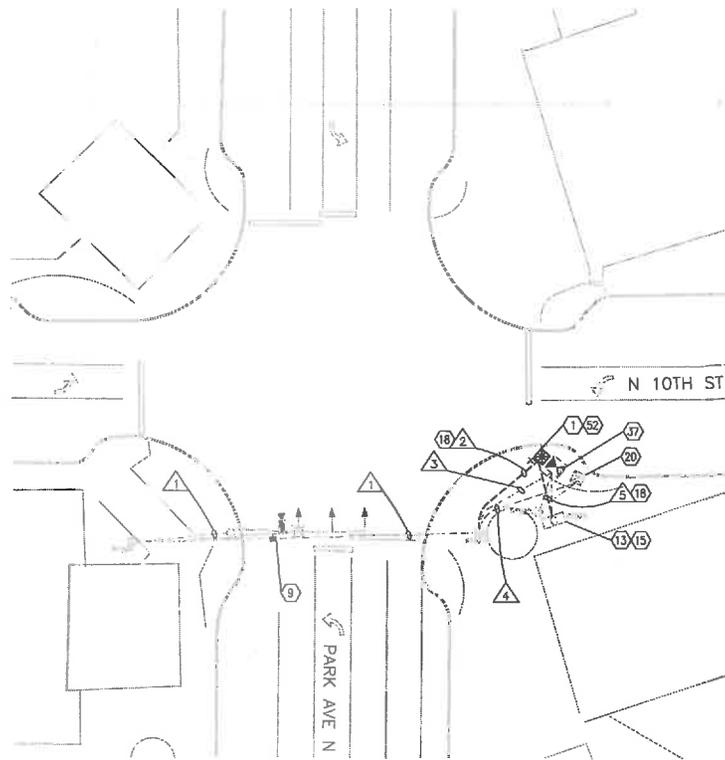


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
INTERSECTION PLAN
 LOGAN AVE N/N GARDEN ST

DATE: 10/23/12
DRAWING NO: 148
SHEET NO. OF 101 197

H:\3\3_RapidRide\11\11_R1525_500_ND_F-1111_RapidRide\CAD\Drawings\CONFORMED_S&V\LINK_ITS-INTERSECTION_LANDING.dwg | Layout: (48)
 PLOT Date: Jun 21, 2013 10:52:40 AM By: mcd

CITY OF RENTON



○ CONSTRUCTION NOTES:

1. FURNISH AND INSTALL NEW 336A CABINET FOUNDATION AND NEW 336A RAPIDRIDE ITS CABINET WITH A 12CT PRE-TERMINATED FIBER PATCH PANEL AS WELL AS ADDITIONAL EQUIPMENT AS SHOWN IN DETAILS ON DRAWING D1. THE FRONT DOOR SHALL FACE IN THE DIRECTION NOTED ON THE PLANS. INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AND TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO PANEL.
9. INSTALL KING COUNTY FURNISHED RAPIDRIDE ANTENNA AND ACCESS POINT ON SIGNAL POLE LUMINAIRE ARM AS SHOWN IN DETAILS ON DRAWING D7.
13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S45. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
20. INSTALL A NEW 20 AMP BREAKER IN THE EXISTING SERVICE CABINET. PULL THE #8 POWER CONDUCTORS AND GROUND WIRE FROM THE ITS CABINET INTO THE SERVICE CABINET. CONNECT THE POWER CONDUCTORS TO THE NEW BREAKER AND THE GROUND WIRE TO THE SERVICE CABINET GROUND.
37. TERMINATE 12PR AND 1PR COMMUNICATION CABLES TO TSP INTERFACE PANEL IN THE CONTROLLER CABINET.
52. INSTALL NEW ACCESS PAD FOR RAPIDRIDE ITS CABINET FLUSH TO EDGE OF EXISTING CURB AND SIDEWALK.

GENERAL NOTE:

1. CITY OF RENTON TO INSTALL AND WIRE KING COUNTY FURNISHED TSP INTERFACE PANEL IN EXISTING CONTROLLER CABINET PRIOR TO START OF CONSTRUCTION.
2. CONTACT MIKE BOONSRIPIPAL AT KING COUNTY METRO (206) 263-4955 FOR TSP INTERFACE PANEL TERMINATION DETAILS.

CONDUIT AND WIRING SCHEDULE

CONDUIT		NEW WIRE										REMARKS
CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND	PULL TAPE	
1	EX. 3"					1						OCCUPIED
2	2"					1	1	1	2	1		SPARE
3	EX. 3"						1	1				OCCUPIED
4	EX. 2"								2	1		OCCUPIED
5	2"	1									1	

DISTURBED AREA RESTORATION TABLE

FEATURE	NUMBER	SITED IN	AREA (SY)
336A CABINET	----	SIDEWALK	44.4
2" PVC	RRC TO R1523	SIDEWALK	
2" PVC	RRC TO R1525	SIDEWALK	



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDISBURSED SERVICE (USA)

CONFORMED FOR CONSTRUCTION MDR MCP 6/22/13

DKS 719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-8800
www.dksassoc.com

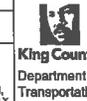


DESIGNER: W. Miller
DRAWN: M. Powers
CHECKED: M. Ricks
RECOMMENDED: M. Powers
APPROVED: M. Powers
CONTRACT NO.: C00759C12

PROJECT MANAGER: M. Powers

SCALE: 1" = 20'
SITE LOCATION NO.:

ISS NO.:
WORK REQUEST: -
IF NOT ONE INCH, SCALE ACCORDINGLY.



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
PARK AVE N/N 10TH ST

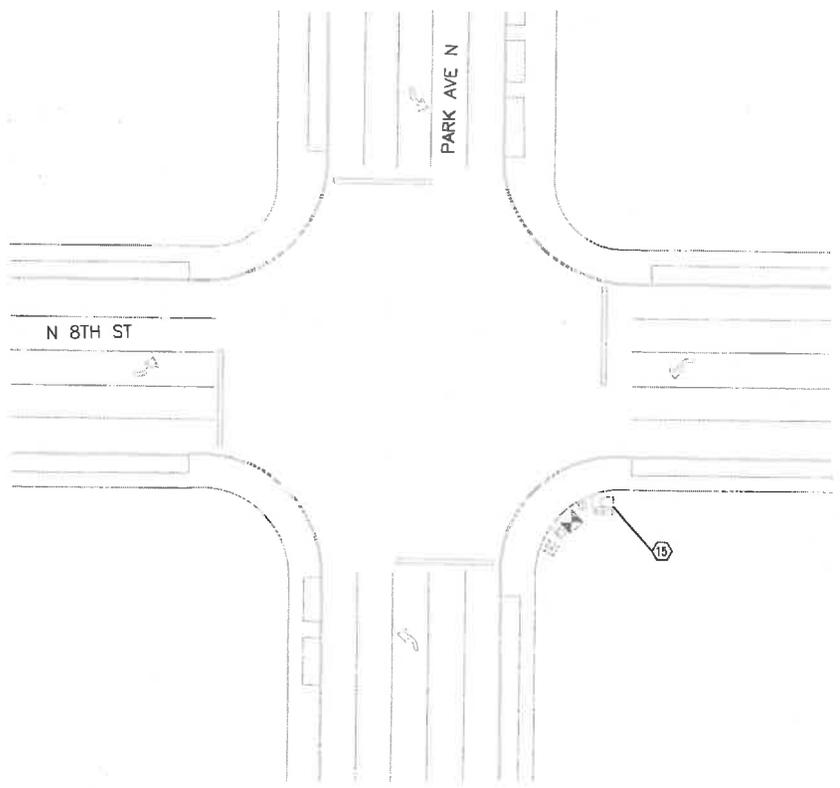
DATE: 10/23/12

DRAWING NO.: 149
SHEET NO. OF 102 197

U:\S\Projects\11\1105-000 US F Line RapidRide\SubArea\Intersectonal Landings.dwg | Layout: (50)
 PLOT: 05/21/2013 02:02:40pm By: mdr



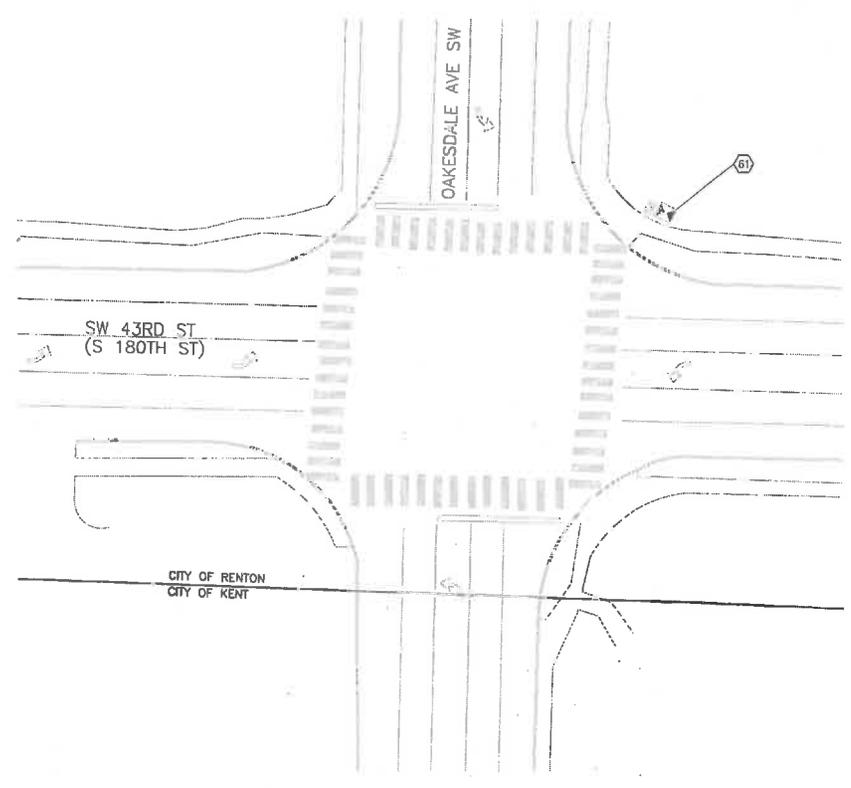
CITY OF RENTON



CONSTRUCTION NOTES:

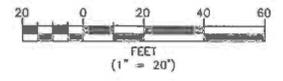
- 15. SPLICE FIBERS IN EXISTING VAULT ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S46. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWINGS F6.

CITY OF RENTON



CONSTRUCTION NOTES:

- 61. TERMINATE FIBERS 35 AND 36 OF THE 36CT FIBER OPTIC CABLE IN THE 24 PORT FIBER TERMINATION PANEL LABELED "OAKESDALE" TO THE UNUSED PORTS 1 AND 2 OF THE SAME PANEL. TERMINATE FIBERS 35 AND 36 SO THAT DATA PASSES FROM THE PANEL TO THE EAST OVER THE 36CT FIBER OPTIC CABLE (TRANSVALLEY). PATCH FROM NEWLY TERMINATED PORTS 1 AND 2 OF THE 24CT PANEL LABELED "OAKESDALE" TO PORTS 11 AND 12 OF THE 24CT PANEL CITY OF RENTON. BOTH PANELS HAVE SC/UPC CONNECTORS.



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE (UGS)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: M. Ricks	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE ISSUED:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO: C00759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

INTERSECTION PLAN
 PARK AVE N/N 8TH ST
 OAKESDALE AVE SW/SW 43RD ST

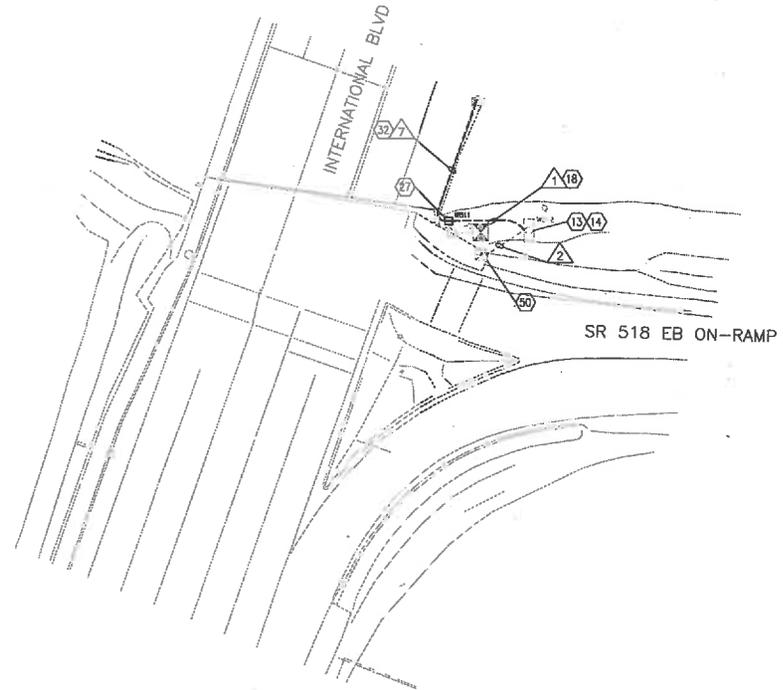
DATE: 10/23/12
 DRAWING NO: 150
 SHEET NO. OF 103 197

CITY OF SEATAC
(WSDOT SIGNAL)



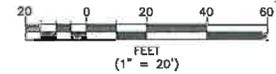
CONSTRUCTION NOTES:

13. INSTALL CONDUIT TO EXISTING VAULT. DRILL THROUGH SIDE WALL AND TRIM CONDUIT TO 2-INCHES FROM WALL. GROUT AROUND CONDUIT OPENING.
14. INSTALL SPLICE CLOSURE IN VAULT. SPLICE FIBERS ACCORDING TO THE FIBER OPTIC SPLICE DIAGRAM S47. COIL SLACK FIBER CABLE IN THE VAULT ACCORDING TO QUANTITIES SHOWN ON THE FIBER ROUTE SCHEMATIC ON DRAWING F2.
18. TRENCH AND INSTALL CONDUIT. ADJUST ROUTING OF TRENCH AND CONDUIT TO AVOID UTILITIES. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH.
27. REMOVE TYPE 1 JUNCTION BOX AND REPLACE WITH A TYPE B JUNCTION BOX. ALL NEW AND EXISTING CONDUITS SHALL BE MODIFIED TO WITHIN 2-INCHES OF THE BOTTOM AND SIDES OF THE TYPE B JUNCTION BOX. INSTALL NEW CONDUIT BELL ENDS TO THE TRIMMED CONDUIT. MAINTAIN AND PROTECT ALL WIRING IN THE JUNCTION BOX. RESTORE AREA DISTURBED BY TRENCHING BACK TO PRECONSTRUCTION CONDITION. REPLACE SIDEWALK TO NEAREST JOINT AS NECESSARY. MATCH GRADE AND SURFACE FINISH. SEE DETAIL ON DRAWING D10.
32. MOUNT CONDUIT TO BRIDGE ACCORDING TO BRIDGE CONDUIT ROUTING AND ATTACHMENT DETAILS ON DRAWINGS B3 AND B4.
50. INSTALL A 144CT PRE-TERMINATED FIBER PATCH PANEL IN EXISTING RAPIDRIDE ITS CABINET.



CONDUIT AND WIRING SCHEDULE													
CONDUIT		NEW WIRE										REMARKS	
△	CONDUIT SIZE	FIBER 12CT	FIBER 24CT	FIBER 48CT	FIBER 72CT	FIBER 144CT	CAT5e	12PR	1PR	#8	#8 GROUND		PULL TAPE
1	2"					1						1	
2	EX. 2"					1							OCCUPIED
7	2" RGS					1						1	

DISTURBED AREA RESTORATION TABLE			
FEATURE	NUMBER	SITED IN	AREA (SY)
UPGRADE JB	WS11	LANDSCAPE	3.1
2" PVC	WS11 TO WS12	LANDSCAPE	3.3



CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8600
www.dksinc.com



DESIGNED: W. Miller	PROJECT MANAGER: M. Powers	SCALE: 1" = 20'
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	SURE REQUEST:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	C00759C12

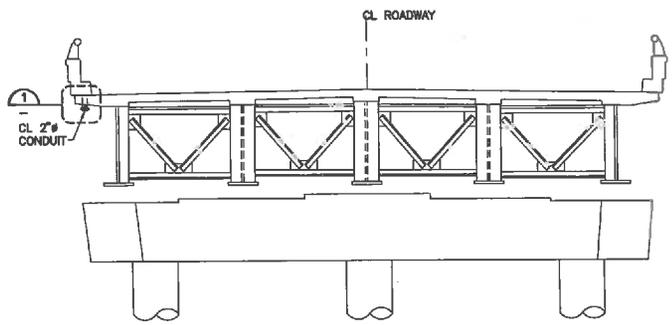


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

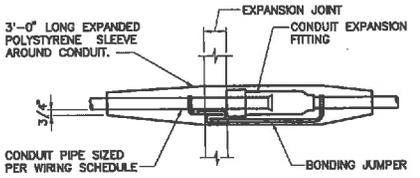
**INTERSECTION PLAN
INTERNATIONAL BLVD/
SR 518 EB ON-RAMP**

DATE:	10/23/12
DRAWING NO.:	151
SHEET NO. OF	104 197

Name: Turnback Date: 06/2012-11:18:45am File: \\11251-111500\11370 (C) F Line (R) CAD\Design\548 Over 518 F Line (R) C-50154-B0 & B2.dwg



SECTION A
SCALE: NOT TO SCALE

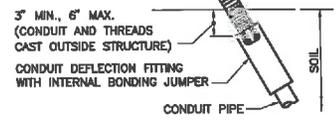


CONDUIT FITTING - (TYPE AX FOR MOVEMENT OF ± 2") AT BRIDGE EXPANSION JOINTS AT PIERS 2 AND 4.

CONDUIT EXPANSION FITTING

DETAIL B1
SCALE: NOT TO SCALE

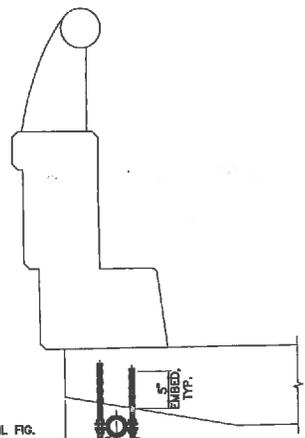
WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.



CONDUIT FITTING - (TYPE DX FOR DEFLECTION OF 30' AND 3/4" MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE.

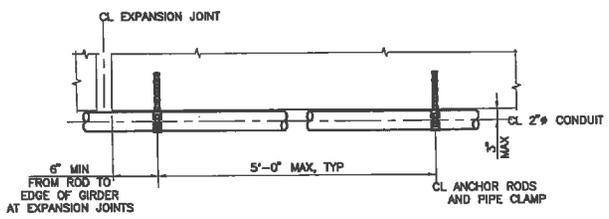
CONDUIT DEFLECTION FITTING

DETAIL B2
SCALE: NOT TO SCALE



PIPE CLAMP, ANVL FIG. 212, GLOBE ITEM #550, COOPER B-LINE B3140, OR APPROVED EQUAL.
1/2" THREADED RESIN BONDED ANCHOR ROD WITH 4 HEX NUTS AND LOCK WASHERS, TYP.
CL 2# CONDUIT AND SUPPORT
4 5/8" MIN

DETAIL B3
SCALE: NOT TO SCALE



SECTION D
SCALE: NOT TO SCALE

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNASSISTED SERVICE (TOLL)

▲				
▲				
▲				
▲				
▲	CONFORMED FOR CONSTRUCTION	SWR	12/7/12	
HA	REVISION	BY	APP'D	DATE

DKS 719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 332-0900
www.dkscc.com

Kraft Consulting Engineers
380 First Avenue, Suite 850
Seattle, Washington 98102
206 462-4200 Fax: 206 462-0000



DESIGNED: P. GENEVRETT	PROJECT MANAGER: MCP	SCALE: NO SCALE
DRAWN: -	APPROVED: -	SHEET LOCATION NO.:
CHECKED: R. THORNTON	ISS. NO.:	ONE INCH AT FULL SIZE
RECORDED: S. RYTER	ISS. REQUEST: -	1"
	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

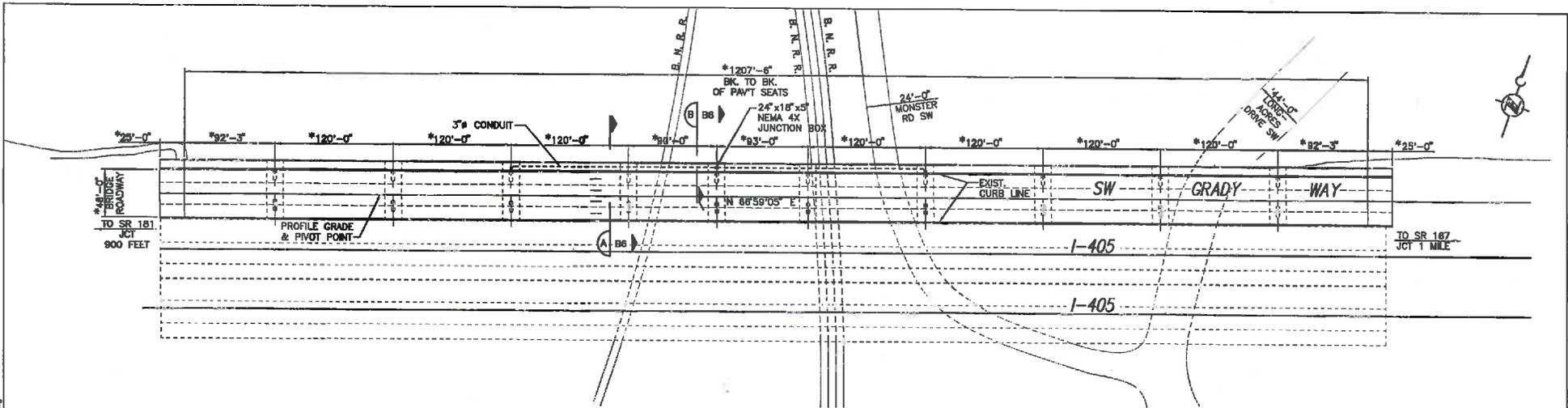


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

BRIDGE NO. 518/13
CONDUIT ROUTING
SECTIONS AND DETAILS

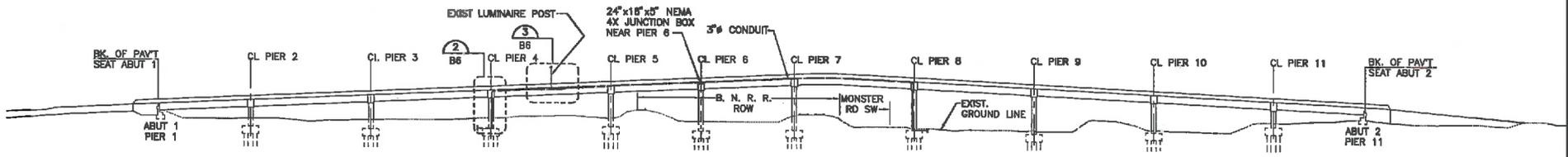
DATE:	10/18/2012
DRAWING NO.:	B2
SHEET NO. OF:	106 197

Name: Trench, Date: 05/20/12, 11:51:53am, File: X:\111251-111500\111579 (02 F Line 115) CAD\DWG\Grady Way Rd Overpass\1-102-Grady Way-SB & BLD.dwg



SW GRADY WAY BRIDGE

PLAN
SCALE: NOT TO SCALE



* DIMENSIONS ARE SHOWN FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED.

SW GRADY WAY BRIDGE

ELEVATION
SCALE: NOT TO SCALE

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-6565
 UNDERGROUND SERVICE (US)

CONFORMED FOR CONSTRUCTION No. REVISION BY APP'D DATE	SWR 12/7/12
---	----------------

DKS
 719 Second Ave., Suite 1200
 Seattle, Washington 98104
 (206) 382-6000
 www.dksinc.com

AKS
 Consulting Engineers
 807 Park Avenue, Suite 1000
 Seattle, Washington 98108
 (206) 461-2000 Fax: (206) 461-2000

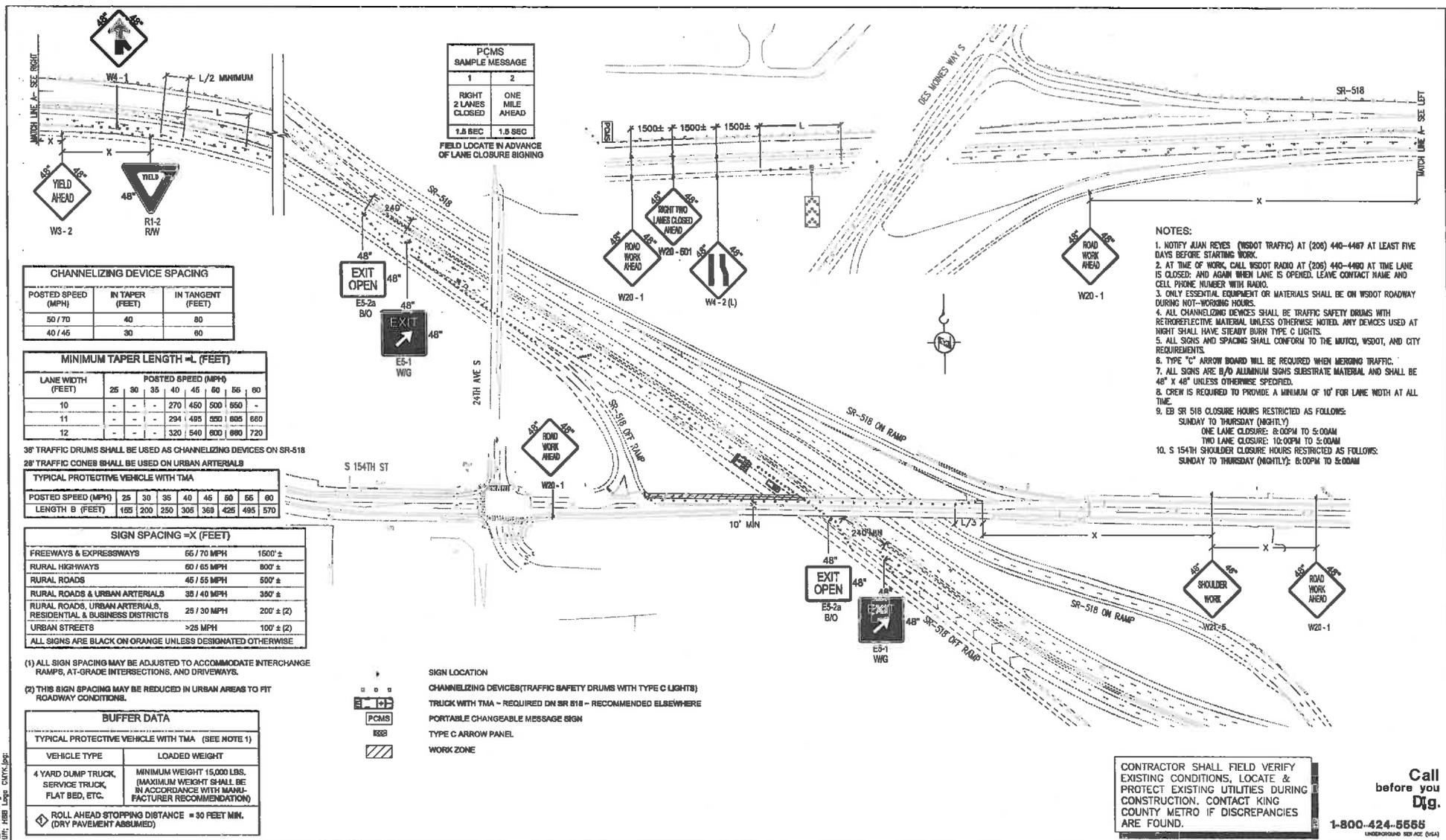


DESIGNED: P. GEORGEFF DRAWN: P. GEORGEFF CHECKED: R. TORGERSON RECOMMENDED: S. RYTER	PROJECT MANAGER: MGP APPROVED: [Signature] BRG NO.: CONTRACT NO.: C00759C12	SCALE: NO SCALE SITE LOCATION: K.S. ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
---	--	---



METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT SW GRADY WAY BRIDGE CONDUIT ROUTING PLAN AND ELEVATION	DATE: 10/18/2012 DRAWING NO: B5 SHEET NO. OF 109 197
---	--

W.A.C. & SONS, INC. 1111 155th St. E. Lynn, WA 98036
 PHONE: (206) 835-2200 FAX: (206) 835-2201
 WWW: www.wacs.com
 PROJECT: SR 518/S 154th St. Traffic Control Plan
 DATE: 12/23/12
 DRAWN BY: MDR
 CHECKED BY: MDR
 APPROVED BY: MDR
 SCALE: AS SHOWN
 SHEET NO. OF 111 197



PCMS SAMPLE MESSAGE	
1	2
RIGHT 2 LANES CLOSED	ONE MILE AHEAD
1.8 SEC	1.8 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE SIGNING

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH = L (FEET)								
LANE WIDTH (FEET)	25	30	35	40	45	60	65	80
10	-	-	-	270	450	500	650	-
11	-	-	-	234	495	550	685	660
12	-	-	-	320	540	600	690	720

38" TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-518
 28" TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA									
POSTED SPEED (MPH)	25	30	35	40	45	60	65	80	
LENGTH B (FEET)	185	200	250	305	360	425	495	570	

SIGN SPACING = X (FEET)	
FREeways & EXPRESSWAYS	65 / 70 MPH 1500' ±
RURAL HIGHWAYS	60 / 65 MPH 800' ±
RURAL ROADS	45 / 55 MPH 500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH 350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH 200' ± (2)
URBAN STREETS	>25 MPH 100' ± (2)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ABSORB)	

- NOTES:
1. NOTIFY AJAN REYES (WSDOT TRAFFIC) AT (206) 440-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
 2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-4460 AT TIME LANE IS CLOSED, AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
 3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
 4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
 5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
 6. TYPE "C" ARROW BOARD WILL BE REQUIRED WHEN MERGING TRAFFIC.
 7. ALL SIGNS ARE 8 1/2" ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
 8. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.
 9. EB SR 518 CLOSURE HOURS RESTRICTED AS FOLLOWS:
 SUNDAY TO THURSDAY (NIGHTLY)
 ONE LANE CLOSURE: 8:00PM TO 5:00AM
 TWO LANE CLOSURE: 10:00PM TO 5:00AM
 10. S 154TH SHOULDER CLOSURE HOURS RESTRICTED AS FOLLOWS:
 SUNDAY TO THURSDAY (NIGHTLY): 8:00PM TO 5:00AM

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
 UNDERGROUND SERVICE UTILITIES

CONFORMED FOR CONSTRUCTION		MDR	MCP	12/23/13
No.	REVISION	BY	APP'D	DATE

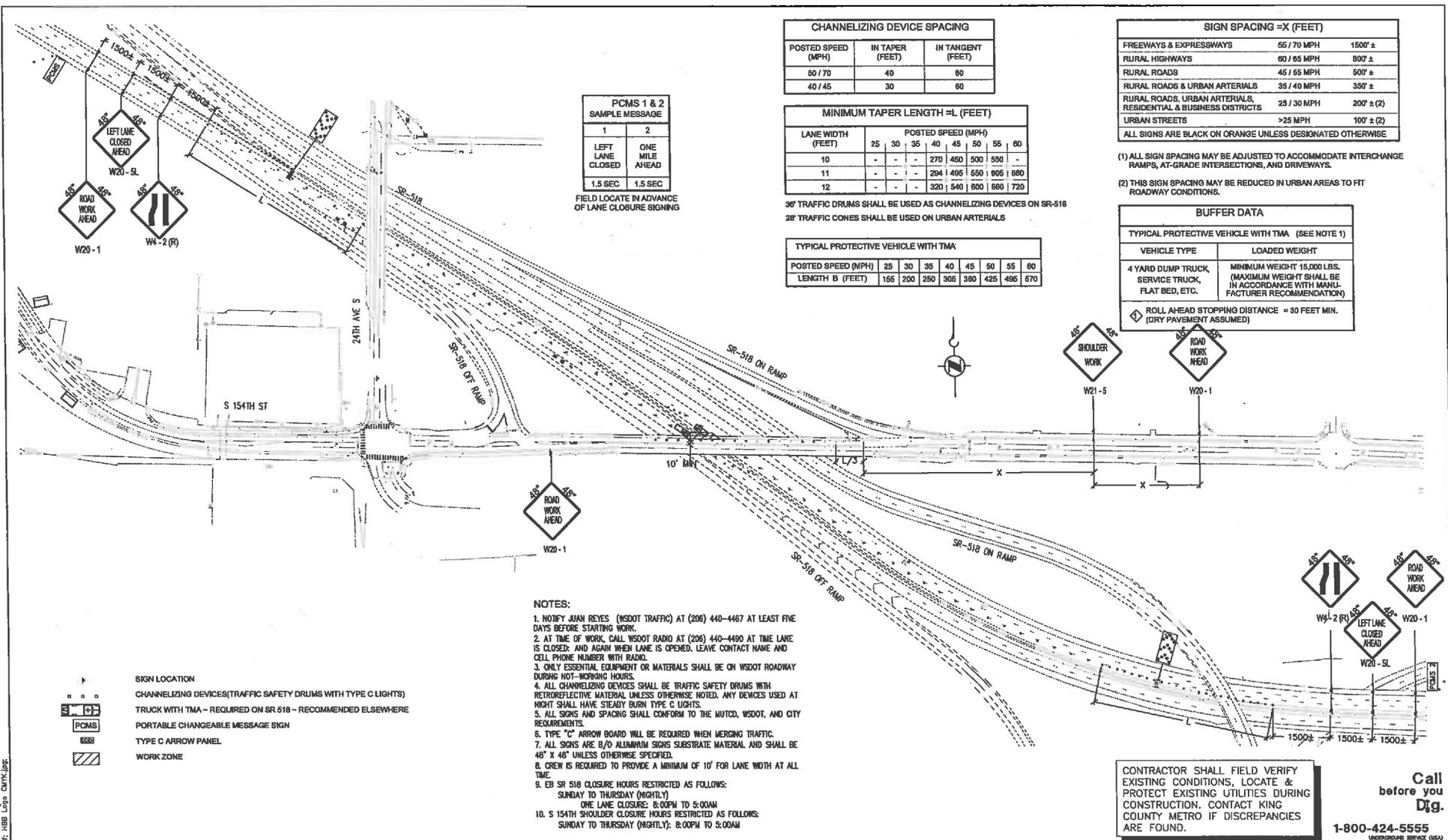
DKS 719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 342-6600 www.thetrackassociates.com



DESIGNED: D. Rossmussen	PROJECT MANAGER: M. Powers	SCALE: NTS
DRAWN: M. Ricks	APPROVED: J. Holdridge	SITE LOCATION NO:
CHECKED: J. Holdridge	RECOMMENDED: M. Powers	ONE INCH AT FULL SIZE
	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

METRO TRANSIT DIVISION	DATE: 10/23/12
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DRAWING NO: TC1
TRAFFIC CONTROL PLAN	SHEET NO. OF 111 197
SR 518/S 154 ST	

H:\01 - Projects\111182-000 KC F-Line RapidRide\00\Drawings\Conformed Set\F-Line TC_Traffic.dwg | Layout: TC1 (2)
 DATE: 10/23/12 10:58 AM
 DESIGNED BY: MDR
 CHECKED BY: J. Holdridge
 IN CHARGE BY: M. Powers
 PROJECT NO: 111182-000
 SHEET NO: 112 OF 119



CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH =L (FEET)	
LANE WIDTH (FEET)	POSTED SPEED (MPH)
	25 30 35 40 45 50 55 60
10	- - - 270 450 500 550 -
11	- - - 294 495 550 605 660
12	- - - 320 540 600 660 720

36" TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-518
 24" TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA	
POSTED SPEED (MPH)	LENGTH B (FEET)
25	165
30	200
35	250
40	305
45	380
50	425
55	485
60	570

SIGN SPACING =X (FEET)		
FREEWAYS & EXPRESSWAYS	65 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	>25 MPH	100' ± (2)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

PCMS 1 & 2 SAMPLE MESSAGE	
1	2
LEFT LANE CLOSED	ONE MILE AHEAD
1.5 SEC	1.5 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE SIGNING

- NOTES:**
1. NOTIFY JUAN REYES (WSDOT TRAFFIC) AT (206) 440-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
 2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-4490 AT TIME LANE IS CLOSED; AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
 3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
 4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
 5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
 6. TYPE "C" ARROW BOARD WILL BE REQUIRED WHEN MERGING TRAFFIC.
 7. ALL SIGNS ARE 8" D ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
 8. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.
 9. CB SR 518 CLOSURE HOURS RESTRICTED AS FOLLOWS:
 SUNDAY TO THURSDAY (NIGHTLY)
 ONE LANE CLOSURE: 8:00PM TO 5:00AM
 10. S 154TH SHOULDER CLOSURE HOURS RESTRICTED AS FOLLOWS:
 SUNDAY TO THURSDAY (NIGHTLY): 8:00PM TO 5:00AM

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNCONFINED SERVICE ONLY

CONFORMED FOR CONSTRUCTION		MDR MCP 1/22/13	
No.	REVISION	BY	APP'D DATE

OKS
 718 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 262-8800
 www.dreamscapes.com



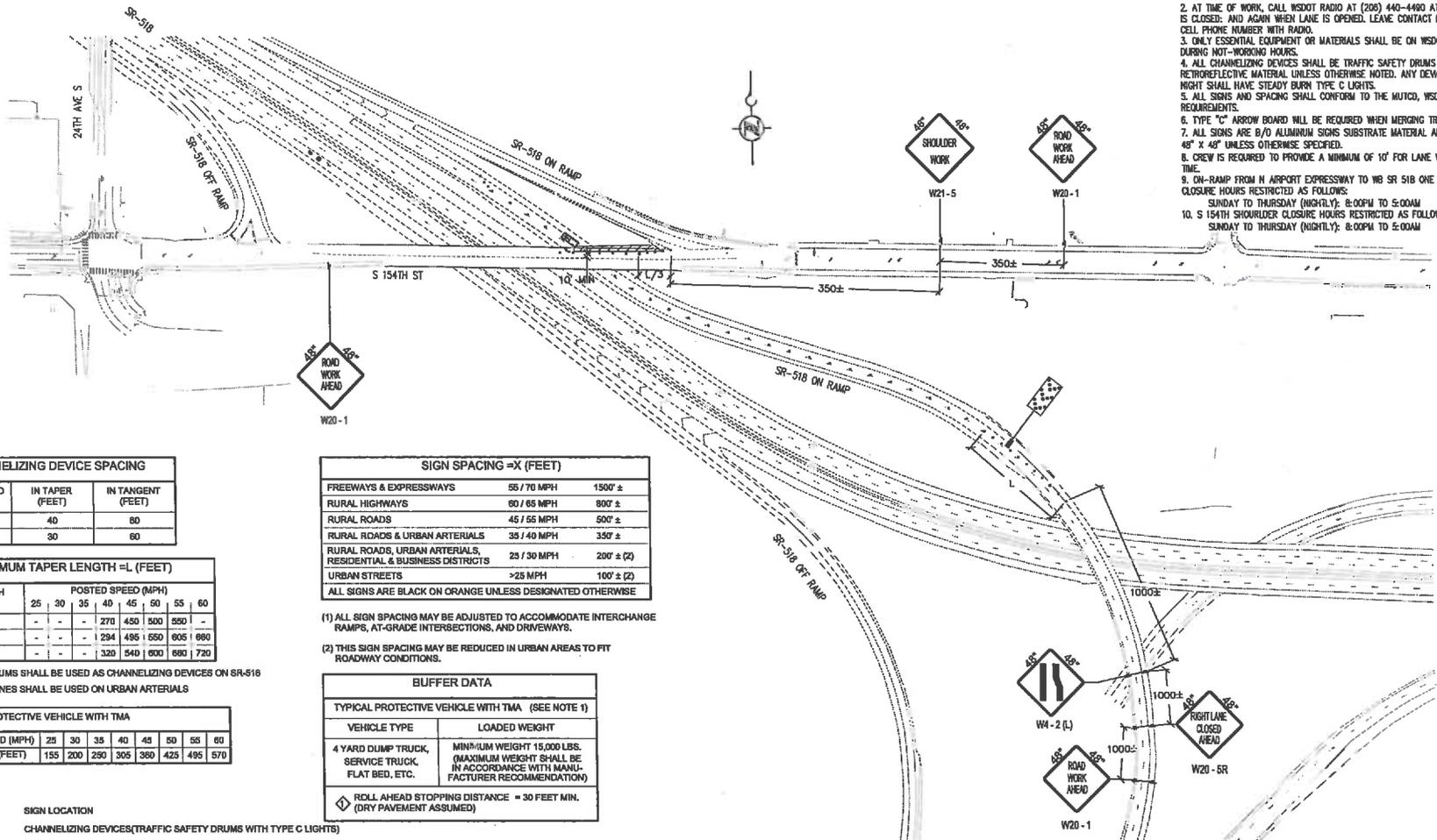
DESIGNED: D. Rasmussen	PROJECT MANAGER: M. Powers	SCALE: NTS
DRAWN: M. Ricks	APPROVED:	SITE LOCATION NO.:
CHECKED: J. Holdridge	REVISION NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
TRAFFIC CONTROL PLAN
 SR 518/S 154 ST

DATE:	10/23/12
DRAWING NO.:	TC2
SHEET NO. OF:	112 197

H:\Projects\111113-000_KC_F-Line_RapidRide\00\Drawings\111113-000_KC_F-Line_TC.dwg | Layout: TC1 (4)
 PLOTTER: HP DesignJet 2400 Series | PLOTTING: HP DesignJet 2400 Series | PLOTTING DATE: 10/23/13
 USER: jholdridge | PROJECT: 111113-000_KC_F-Line_RapidRide | SHEET: 114-197



- NOTES:**
1. NOTIFY JUAN REYES WSDOT AT (206) 440-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
 2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-4460 AT TIME LANE IS CLOSED, AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
 3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
 4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
 5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
 6. TYPE "C" ARROW BOARD WILL BE REQUIRED WHEN MERGING TRAFFIC.
 7. ALL SIGNS ARE B/D ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
 8. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.
 9. ON-RAMP FROM N AIRPORT EXPRESSWAY TO WB SR 518 ONE LANE CLOSURE HOURS RESTRICTED AS FOLLOWS:
SUNDAY TO THURSDAY (NIGHTLY): 8:00PM TO 5:00AM
 10. S 154TH SHOULDER CLOSURE HOURS RESTRICTED AS FOLLOWS:
SUNDAY TO THURSDAY (NIGHTLY): 8:00PM TO 5:00AM

CHANNELIZING DEVICE SPACING

POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH = L (FEET)

LANE WIDTH (FEET)	POSTED SPEED (MPH)							
	25	30	35	40	45	50	55	60
10	-	-	-	270	450	500	590	-
11	-	-	-	294	485	550	605	680
12	-	-	-	320	540	600	680	720

38" TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-518
 28" TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA

POSTED SPEED (MPH)	25	30	35	40	45	50	55	60
LENGTH B (FEET)	155	200	250	305	360	425	495	570

SIGN SPACING = X (FEET)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	50 / 65 MPH	900' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	>25 MPH	100' ± (2)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA

TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)

◇ ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)

- SIGN LOCATION**
- ○ ○ ○ CHANNELIZING DEVICES (TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS)
 - ▬ TRUCK WITH TMA - REQUIRED ON SR 518 - RECOMMENDED ELSEWHERE
 - PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - ▬ TYPE C ARROW PANEL
 - ▨ WORK ZONE

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
 UNDERGROUND SERVICE (USG)

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 362-0300
 www.dksinc.com



DESIGNER: D. Rossmussen	PROJECT MANAGER: M. Powers	SCALE: NTS
DRAWN: M. Richs	APPROVER:	SITE LOCATION NO:
CHECKED: J. Holdridge	ISS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
TRAFFIC CONTROL PLAN
 SR 518/S 154 ST

DATE: 10/23/13
DRAWING NO: TC4
SHEET NO. OF 114-197

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH =L (FEET)								
LANE WIDTH (FEET)	POSTED SPEED (MPH)							
	25	30	35	40	45	50	55	60
10	-	-	-	270	490	500	550	-
11	-	-	-	294	495	550	605	660
12	-	-	-	320	540	600	650	720

36' TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-518
 28' TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA								
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60
LENGTH B (FEET)	100	200	250	306	360	426	485	570

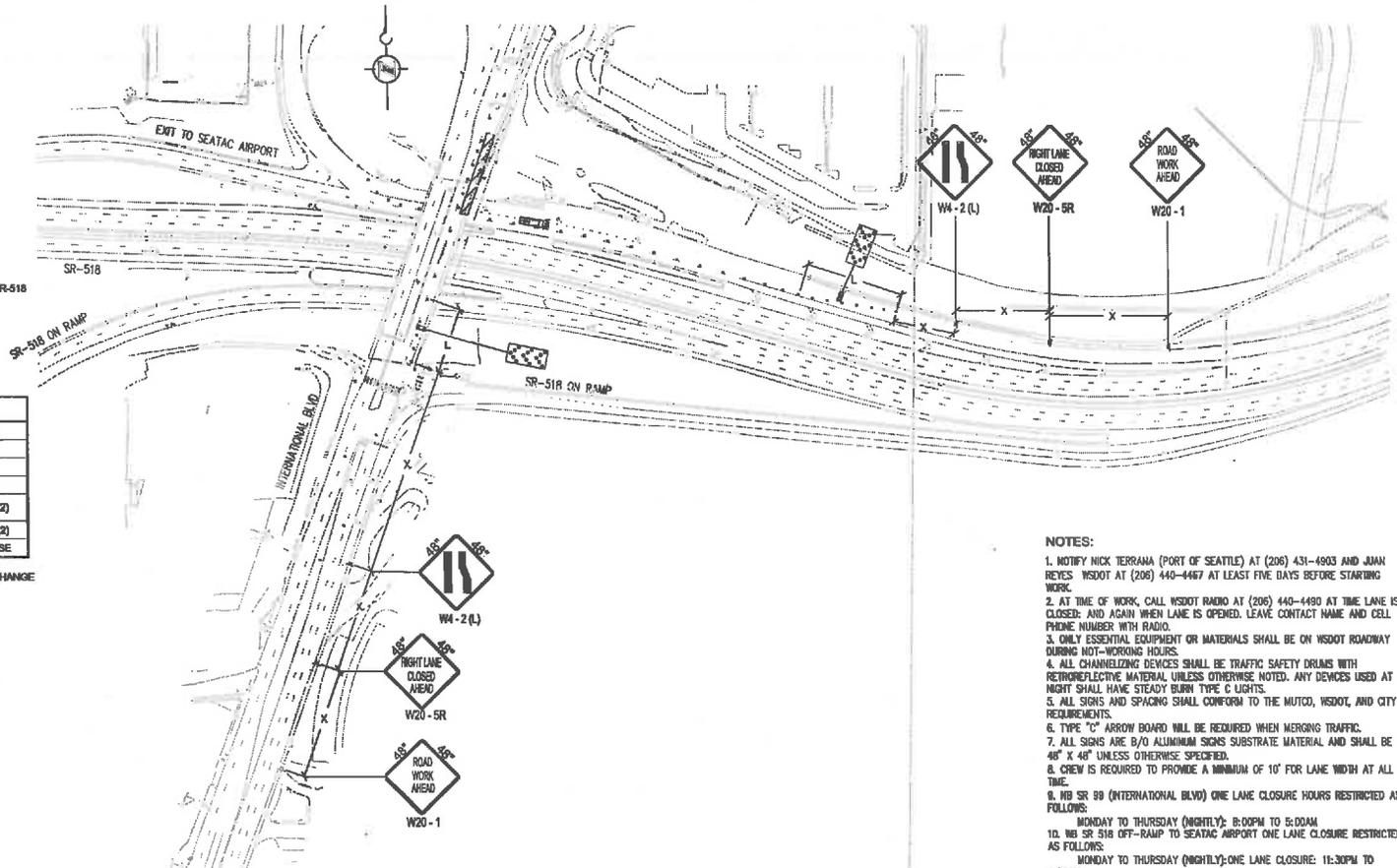
SIGN SPACING =X (FEET)		
FREWAYS & EXPRESSWAYS	55 / 70 MPH	1600' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	>25 MPH	100' ± (2)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

- SIGN LOCATION
- TRAFFIC SAFETY DRUMS WITH TYPE C LIGHTS
- TRUCK WITH TMA - REQUIRED ON SR 518 - RECOMMENDED ELSEWHERE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE C ARROW PANEL
- WORK ZONE



NOTES:

1. NOTIFY NICK TERRANA (PORT OF SEATTLE) AT (206) 431-4903 AND JUAN REYES WSDOT AT (206) 446-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-4490 AT TIME LANE IS CLOSED; AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
6. TYPE "C" ARROW BOARD WILL BE REQUIRED WHEN MERGING TRAFFIC.
7. ALL SIGNS ARE B/O ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
8. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.
9. NB SR 518 (INTERNATIONAL BLVD) ONE LANE CLOSURE HOURS RESTRICTED AS FOLLOWS:
MONDAY TO THURSDAY (NIGHTLY): 8:00PM TO 6:00AM
10. NB SR 518 OFF-RAMP TO SEACAT AIRPORT ONE LANE CLOSURE RESTRICTED AS FOLLOWS:
MONDAY TO THURSDAY (NIGHTLY): ONE LANE CLOSURE: 11:30PM TO 4:30AM

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE (USG)

1/11/14 11:45:00 AM F:\New_Business\City\Conf\2013\102\102.dwg | Legend: 102 (1)
 R:\ITDC\2013\102\102.dwg | 2013-10-23 10:45:00 AM | 07 mar
 W:\ITDC\2013\102\102.dwg | 2013-10-23 10:45:00 AM | 07 mar
 W:\ITDC\2013\102\102.dwg | 2013-10-23 10:45:00 AM | 07 mar

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1200
 Seattle, Washington 98104
 (206) 382-6300
 www.dksassociates.com



DESIGNED:	PROJECT MANAGER:	SCALE:
D. Rommussen	M. Powers	NTS
DRAWN:	APPROVED:	SHEET LOCATION NO:
M. Ricks	J. Holdridge	ONE INCH AT FULL SIZE
CHECKED:	RECOMMENDED:	IF NOT ONE INCH, SCALE ACCORDINGLY
J. Holdridge	-	
CONTRACT NO.:	CD0758C12	

King County Department of Transportation

METRO TRANSIT DIVISION
 F LINE RAPIDRID ITS CORRIDOR IMPROVEMENT

TRAFFIC CONTROL PLAN
 SR 518/INTERNATIONAL BLVD

DATE: 10/23/12
 DRAWING NO: TC9
 SHEET NO. OF 119 197

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH = L (FEET)						
LANE WIDTH (FEET)	POSTED SPEED (MPH)					
	25	30	35	40	45	50
10	-	-	-	270	450	500
11	-	-	-	284	495	550
12	-	-	-	320	540	600

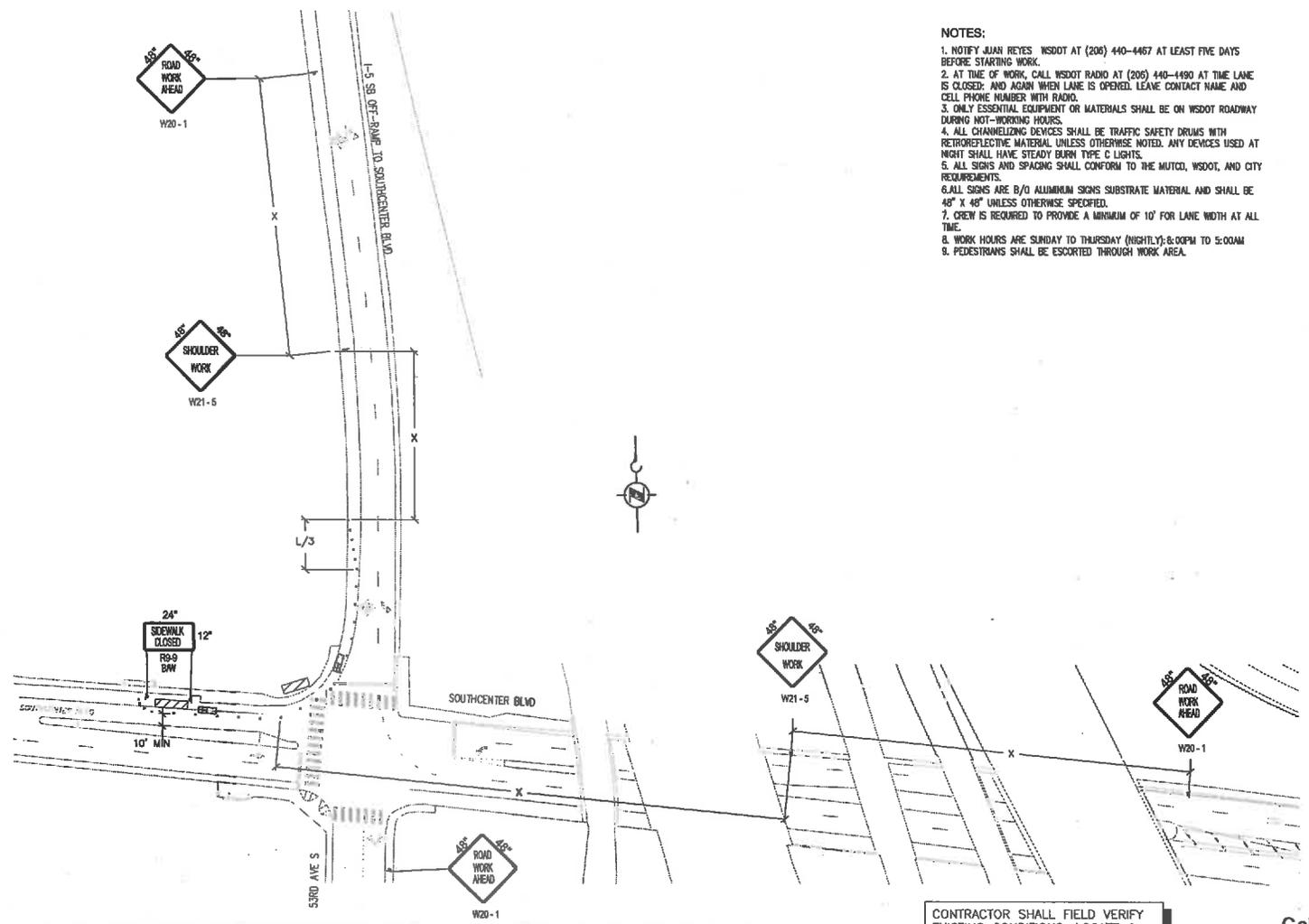
19 TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-518
 20 TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA							
POSTED SPEED (MPH)	25	30	35	40	45	50	55
LENGTH B (FEET)	165	200	250	305	360	425	495

SIGN SPACING = X (FEET)		
FREeways & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
URBAN ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	>25 MPH	100' ± (2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPs, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
 (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	



- NOTES:**
1. NOTIFY JUAN REYES WSDOT AT (206) 440-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
 2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-1490 AT TIME LANE IS CLOSED; AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
 3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
 4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
 5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
 6. ALL SIGNS ARE B/O ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
 7. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.
 8. WORK HOURS ARE SUNDAY TO THURSDAY (NIGHTLY): 8:00PM TO 5:00AM
 9. PEDESTRIANS SHALL BE ESCORTED THROUGH WORK AREA.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE (UGS)

N:\31_Southcenter\11\1155_005_005_F:\line\Revised\1155_005\Conformed_S&V\Line_TC.dwg | Layout: TC10
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 XREFS: P:\ME_Basic.dwg; X:\B_mis.dwg
 MISC: 11/22/12 13:07:08; 11/22/12 13:07:08; 11/22/12 13:07:08

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: D. Rasmussen	PROJECT MANAGER: M. Powers	SCALE: NTS
DRAWN: M. Ricks	APPROVED:	SITE LOCATION NO.:
CHECKED: J. Holdridge	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS REVISION:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	
	C00759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
TRAFFIC CONTROL PLAN
 SOUTHCENTER BLVD/
 53RD AVE S

DATE:	10/23/12
DRAWING NO.:	TC10
SHEET NO. OF	120 197

NW 1/4 SEC. 12, T. 25 N., R. 3 E., WM

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

MINIMUM TAPER LENGTH = L (FEET)						
LANE WIDTH (FEET)	POSTED SPEED (MPH)					
	25	30	35	40	45	50
10	-	-	-	270	450	600
11	-	-	-	294	495	660
12	-	-	-	320	540	720

38" TRAFFIC DRUMS SHALL BE USED AS CHANNELIZING DEVICES ON SR-618

28" TRAFFIC CONES SHALL BE USED ON URBAN ARTERIALS

TYPICAL PROTECTIVE VEHICLE WITH TMA						
POSTED SPEED (MPH)	25	30	35	40	45	50
LENGTH B (FEET)	155	200	230	305	360	425

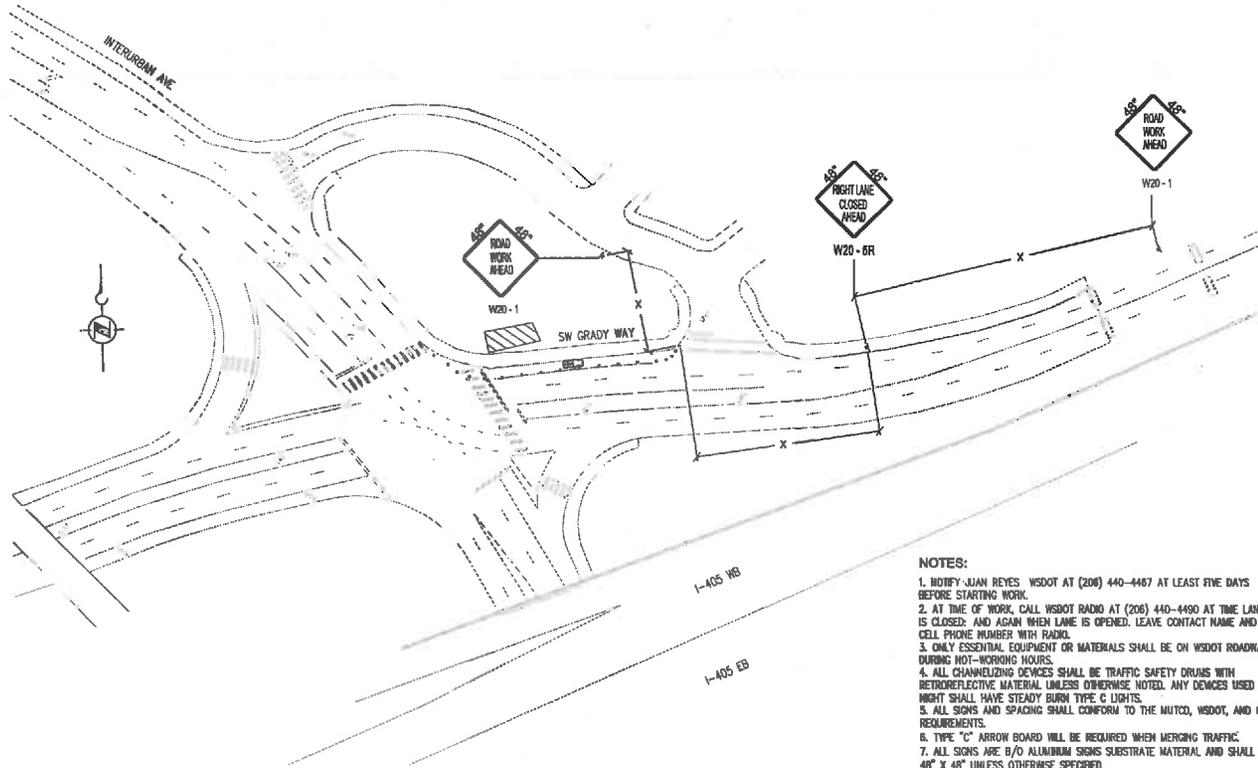
SIGN SPACING = X (FEET)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1800' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	>25 MPH	100' ± (2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.

(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
◇ ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

- SIGN LOCATION
- CHANNELIZING DEVICES
- ▭ PROTECTIVE VEHICLE - RECOMMENDED
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- LSB TYPE C ARROW PANEL (SEQUENTIAL)
- ▨ WORK ZONE



NOTES:

1. NOTIFY JUAN REYES WSDOT AT (206) 440-4467 AT LEAST FIVE DAYS BEFORE STARTING WORK.
2. AT TIME OF WORK, CALL WSDOT RADIO AT (206) 440-4490 AT TIME LANE IS CLOSED; AND AGAIN WHEN LANE IS OPENED. LEAVE CONTACT NAME AND CELL PHONE NUMBER WITH RADIO.
3. ONLY ESSENTIAL EQUIPMENT OR MATERIALS SHALL BE ON WSDOT ROADWAY DURING NOT-WORKING HOURS.
4. ALL CHANNELIZING DEVICES SHALL BE TRAFFIC SAFETY DRUMS WITH RETROREFLECTIVE MATERIAL UNLESS OTHERWISE NOTED. ANY DEVICES USED AT NIGHT SHALL HAVE STEADY BURN TYPE C LIGHTS.
5. ALL SIGNS AND SPACING SHALL CONFORM TO THE MUTCD, WSDOT, AND CITY REQUIREMENTS.
6. TYPE "C" ARROW BOARD WILL BE REQUIRED WHEN MERGING TRAFFIC.
7. ALL SIGNS ARE B/D ALUMINUM SIGNS SUBSTRATE MATERIAL AND SHALL BE 48" X 48" UNLESS OTHERWISE SPECIFIED.
8. CREW IS REQUIRED TO PROVIDE A MINIMUM OF 10' FOR LANE WIDTH AT ALL TIME.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

I:\63 Projects\11\1183-000_NW_1/4_Sec_12_T25N_R3E_WM\Drawings\Confirmed_S&V\Urban_TC_KC.dwg | Layout: TC4
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 USER: sflane_sflane.dwg
 PROJECT: SR181 SW GRADY WAY
 DRAWING: SR181 SW GRADY WAY TRAFFIC CONTROL PLAN

CONFORMED FOR CONSTRUCTION		MOR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE



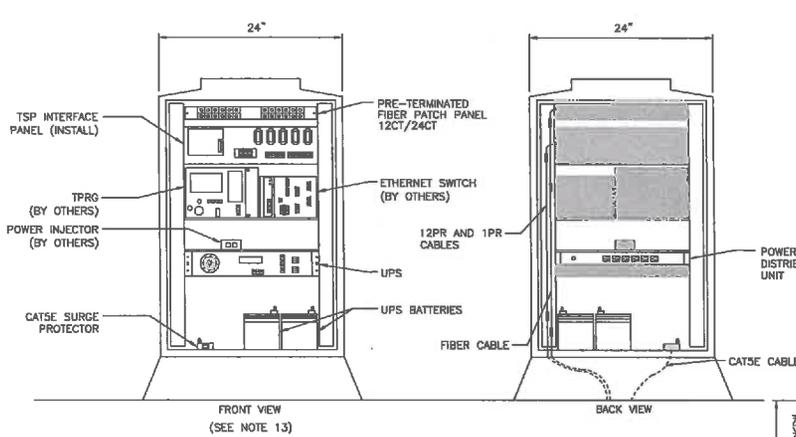
DESIGNED:	PROJECT MANAGER:	SCALE:
D. Roarussen	M. Powers	NTS
DRAWN:	APPROVED:	SITE LOCKING W/:
M. Ricks		
CHECKED:	SBS NO.:	ONE INCH AT FULL SIZE
J. Holdridge	YOUR REQUEST: -	1" = 1'
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIMSION
F LANE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
TRAFFIC CONTROL PLAN
SR 181/SW GRADY WAY

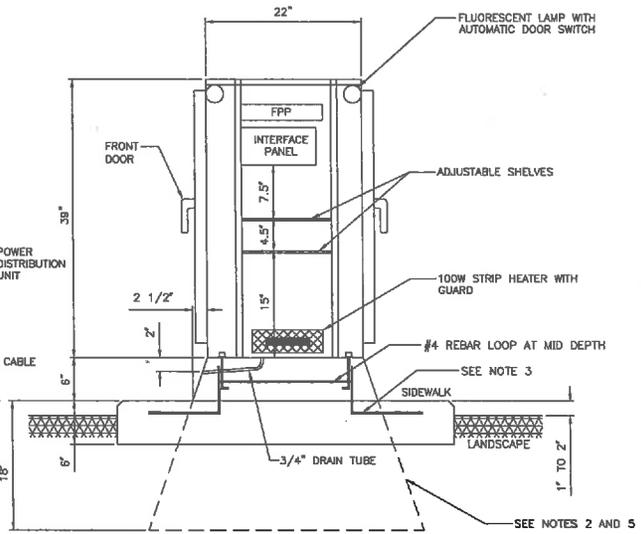
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10/23/12
DRAWING NO.:
TC11
SHEET NO. OF:
121 197

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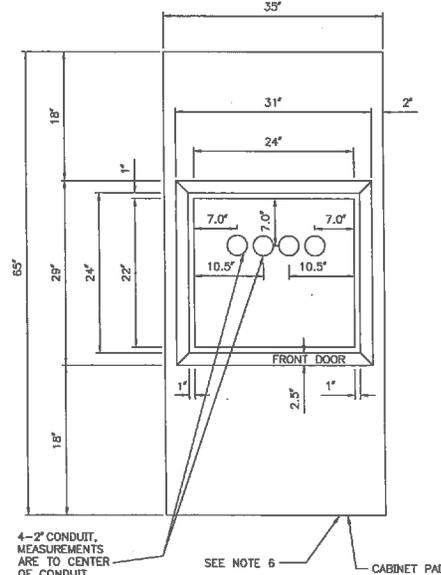
RAPIDRIDE ITS CABINET EQUIPMENT LAYOUT

NOT TO SCALE



RAPIDRIDE ITS CABINET DETAIL

SIDE VIEW SHOWN - NOT TO SCALE



RAPIDRIDE ITS CABINET PAD (TYPICAL)

PLAN VIEW SHOWN - NOT TO SCALE

NOTES:

- INSTALL A 336A RAPIDRIDE ITS CABINET ON THE NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL BE ORIENTED AS SHOWN ON THE PLANS. SEE PLAN SHEETS AND APPENDIX A OF THE SPECIFICATIONS FOR RAPIDRIDE ITS CABINET LOCATION.
- THE CABINET FOUNDATION SHALL BE CLASS 3000 CONCRETE.
- INSTALL #4 REBAR AT THE CORNERS OF THE CABINET FOUNDATION. THE REBAR SHALL EXTEND 12" INTO THE CABINET PAD IF ONE IS INCLUDED. THE REBAR IS NOT REQUIRED FOR CABINETS INSTALLED INTO EXISTING SIDEWALK OR ASPHALT PAVEMENT.
- ANCHOR BOLTS SHALL BE STAINLESS STEEL AND HAVE SQUARE WASHERS. DATA FOR SPACING OF BOLTS SHALL BE SUPPLIED BY THE CABINET MANUFACTURER.
- IF CABINET IS INSTALLED IN EXISTING SIDEWALK OR ASPHALT PAVEMENT, THE CABINET FOUNDATION SHALL EXTEND 18" BELOW FINISHED GRADE AND THE FULL CABINET PAD IS NOT REQUIRED.
- IF CABINET IS INSTALLED AT BACK OF EXISTING SIDEWALK, THE CABINET PAD SHALL NOT BE CONSTRUCTED ON THE SIDE OF CABINET ABUTTING THE SIDEWALK.
- SEAL CABINET TO FOUNDATION WITH GRAY OR CLEAR SILICON TO PREVENT MOISTURE FROM ENTERING THE CABINET.
- FURNISH AND INSTALL PRE-TERMINATED FIBER PATCH PANELS OF SIZES IDENTIFIED IN THE PLANS AND SPLICE AS DESCRIBED IN THE SPLICE DETAILS. THE FIBER CABLES SHALL BE SECURELY FASTENED IN THE CABINET. VELCRO FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER TERMINATION PANEL IF THE FIBER CABLE IS PULLED BY HAND. MAINTAIN BEND RADIUS REQUIREMENTS.
- FURNISH ADJUSTABLE SHELVES AND INSTALL AT THE HEIGHTS INDICATED IN THE CABINET DETAIL.
- FURNISH AND INSTALL 19-INCH RACK MOUNTED POWER DISTRIBUTION UNIT DIRECTLY BELOW THE BOTTOM SHELF. INSTALL THE POWER DISTRIBUTION UNIT ON BACK DOOR RACK.
- FURNISH AND INSTALL 19-INCH RACK MOUNTED UPS UNIT AND BATTERIES. HARDWIRE UPS UNIT TO BREAKER IN THE CABINET, AND HARDWIRE THE POWER DISTRIBUTION UNIT TO THE UPS UNIT.
- FURNISH 1-METER PATCH CORDS PER SPECIFICATIONS. LEAVE PATCH CORDS ON THE SHELF ABOVE THE UPS UNIT FOR INSTALLATION BY OTHERS. SEE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6 FOR QUANTITY OF FIBER OPTIC PATCH CORDS (FOPC) TO BE FURNISHED FOR EACH CABINET.
- SEE THE EQUIPMENT DETAILS ON DRAWING E1 AS REFERENCED IN DRAWINGS F1-F6 FOR THE EQUIPMENT TO BE FURNISHED AND INSTALLED IN EACH RAPIDRIDE ITS CABINET. SOME CABINETS MAY NOT INCLUDE ALL EQUIPMENT SHOWN IN THE TYPICAL RAPIDRIDE ITS CABINET LAYOUT. INTERSECTIONS WITHOUT AN ANTENNA WILL NOT REQUIRE A CATSE SURGE PROTECTOR OR POWER INJECTOR.
- AT LOCATIONS WITH AN ACCESS POINT AND ANTENNA, FURNISH AND INSTALL CATSE SURGE PROTECTOR AND GROUND BAR IN CABINET. PULL CATSE CABLE FROM WIRELESS ACCESS POINT INTO RAPIDRIDE ITS CABINET. COIL 6" OF CATSE CABLE IN BASE OF CABINET. TERMINATE CATSE CABLE WITH RJ45 CONNECTOR. TEST CABLE FROM END TO END FOR PROPER PIN CONNECTIVITY. SECURE CABLE WITH VELCRO FASTENERS AND TERMINATE CABLE INTO THE CATSE SURGE PROTECTOR.
- INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AT THE HEIGHT INDICATED. PULL THE 12PR AND 1PR CABLES FROM THE CONTROLLER CABINET TO THE RAPIDRIDE ITS CABINET ACCORDING TO THE PLANS. TERMINATE THE 12PR AND 1PR CABLES TO THE INTERFACE PANELS IN BOTH THE RAPIDRIDE AND ITS CABINET AND THE CONTROLLER CABINET ACCORDING TO THE TSP WIRING DIAGRAMS PROVIDED BY KING COUNTY. SECURE THE 12PR AND 1PR CABLES IN THE CABINETS WITH VELCRO FASTENERS. LABEL CABLES IN BOTH THE RAPIDRIDE ITS CABINET AND CONTROLLER CABINETS AS 'TSP' CABLES.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

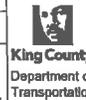
1-800-424-5555
UNEMPLOYED SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



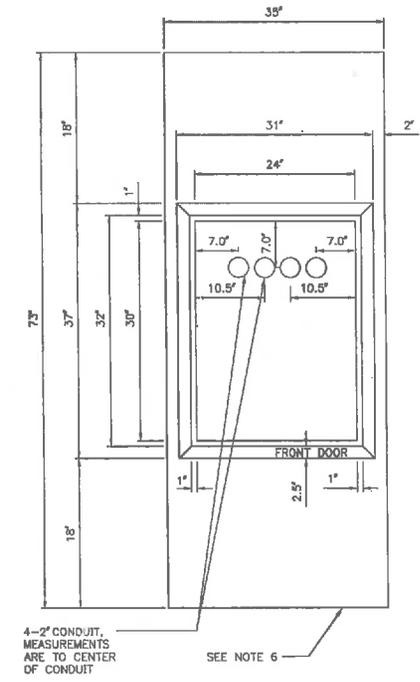
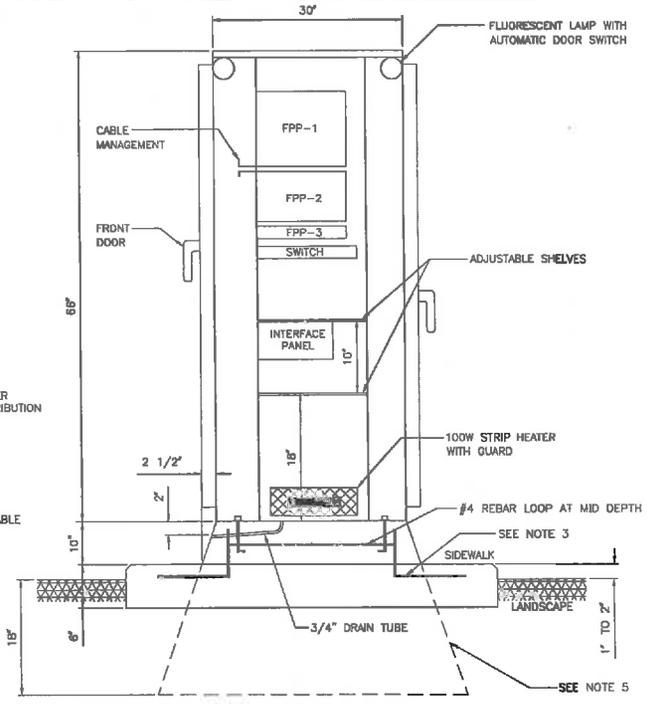
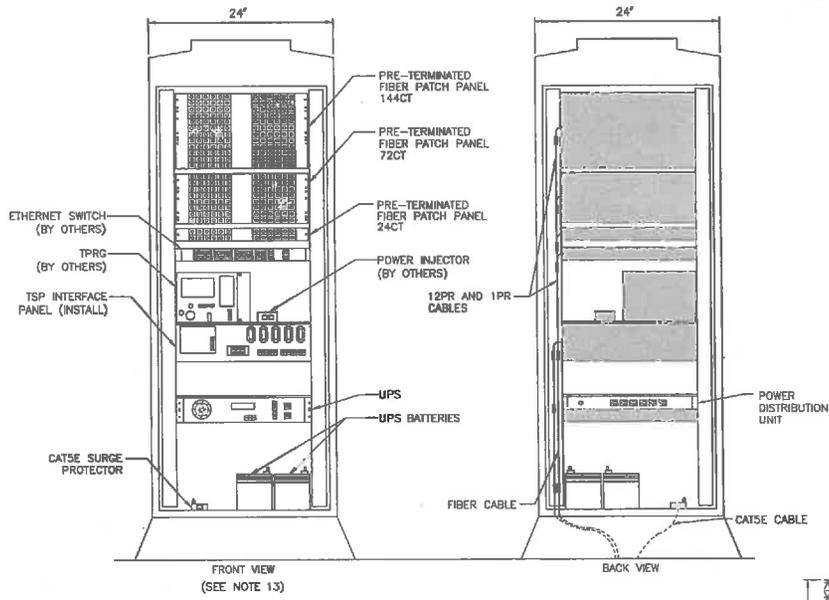
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: H. Yu	APPROVED: C. Long	SITE LOCATION NO.:
CHECKED: C. Long	RECOMMENDED:	CONTRACT NO.:
		CO0759C12



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

336 RAPIDRIDE ITS CABINET DETAILS

DATE:	10/23/12
DRAWING NO.:	D1
SHEET NO. OF:	126 197



RAPIDRIDE ITS TERMINATION CABINET EQUIPMENT LAYOUT

NOT TO SCALE

RAPIDRIDE ITS TERMINATION CABINET DETAIL

SIDE VIEW SHOWN - NOT TO SCALE

RAPIDRIDE ITS TERMINATION CABINET PAD (TYPICAL)

PLAN VIEW SHOWN - NOT TO SCALE

- NOTES:**
- INSTALL A 332 RAPIDRIDE ITS TERMINATION CABINET ON THE NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL BE ORIENTED AS SHOWN ON THE PLANS. SEE PLAN SHEETS FOR RAPIDRIDE CABINET LOCATION.
 - THE CABINET FOUNDATION SHALL BE CLASS 3000 CONCRETE.
 - INSTALL #4 REBAR AT THE CORNERS OF THE CABINET FOUNDATION. THE REBAR SHALL EXTEND 12" INTO THE CABINET PAD IF ONE IS INCLUDED. THE REBAR IS NOT REQUIRED FOR CABINETS INSTALLED INTO EXISTING SIDEWALK.
 - ANCHOR BOLTS SHALL BE STAINLESS STEEL AND HAVE SQUARE WASHERS. DATA FOR SPACING OF BOLTS SHALL BE SUPPLIED BY THE CABINET MANUFACTURER.
 - IF CABINET IS INSTALLED IN EXISTING SIDEWALK, THE CABINET FOUNDATION SHALL EXTEND 18" BELOW FINISHED GRADE AND FULL CABINET PAD IS NOT REQUIRED.
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 - SEAL CABINET TO FOUNDATION WITH GRAY OR CLEAR SILICON TO PREVENT MOISTURE FROM ENTERING THE CABINET.
 - FURNISH AND INSTALL PRE-TERMINATED FIBER PATCH PANELS OF SIZES IDENTIFIED IN THE PLANS AND SPLICE AS DESCRIBED IN THE SPLICE DETAILS. THE CONTRACTOR SHALL FURNISH AND INSTALL CABLE MANAGEMENT BRACKETS BETWEEN EACH PANEL FOR ROUTING THE FIBER PATCH CORDS BETWEEN THE PANELS. THE FIBER CABLES SHALL BE SECURELY FASTENED IN THE CABINET. VELCRO FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER TERMINATION PANEL IF THE FIBER CABLE IS PULLED BY HAND. MAINTAIN BEND RADIUS REQUIREMENTS.
 - FURNISH ADJUSTABLE SHELVES AND INSTALL AT THE HEIGHTS INDICATED IN THE CABINET DETAIL.
 - FURNISH AND INSTALL 19-INCH RACK MOUNTED POWER DISTRIBUTION UNIT DIRECTLY BELOW THE BOTTOM SHELF ON THE BACK DOOR RACK.
 - FURNISH AND INSTALL 19-INCH RACK MOUNTED UPS UNIT AND BATTERIES. HARDWIRE UPS UNIT TO BREAKER IN THE CABINET AND HARDWIRE THE POWER DISTRIBUTION UNIT TO THE UPS UNIT.
 - FURNISH 1-METER PATCH CORDS PER SPECIFICATIONS. LEAVE PATCH CORDS ON THE SHELF ABOVE THE UPS UNIT FOR INSTALLATION BY OTHERS. SEE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6 FOR QUANTITY OF FIBER OPTIC PATCH CORDS (FOPC) TO BE FURNISHED FOR EACH CABINET.
 - SEE THE EQUIPMENT DETAILS ON DRAWING E2 AS REFERENCED IN DRAWINGS F1-F6 FOR THE EQUIPMENT TO BE FURNISHED AND INSTALLED IN EACH RAPIDRIDE TERMINATION CABINET. SOME CABINETS MAY NOT INCLUDE ALL EQUIPMENT SHOWN IN THE TYPICAL RAPIDRIDE ITS CABINET LAYOUT. INTERSECTIONS WITHOUT AN ANTENNA WILL NOT REQUIRE A CATSE SURGE PROTECTOR OR POWER INJECTOR.
 - AT LOCATIONS WITH AN ACCESS POINT AND ANTENNA, FURNISH AND INSTALL CATSE SURGE PROTECTOR AND GROUND TO GROUND BAR IN CABINET. PULL CATSE CABLE FROM WIRELESS ACCESS POINT INTO RAPIDRIDE ITS TERMINATION CABINET. COIL 6' OF CATSE CABLE IN BASE OF CABINET. TERMINATE CATSE CABLE WITH RJ45 CONNECTOR. TEST CABLE FROM END TO END FOR PROPER PIN CONNECTIVITY. SECURE CABLE WITH VELCRO FASTENERS AND TERMINATE CABLE INTO THE CATSE SURGE PROTECTOR.
 - INSTALL KING COUNTY FURNISHED TSP INTERFACE PANEL AT THE HEIGHT INDICATED. PULL THE 12PR AND 1PR CABLES FROM THE CONTROLLER CABINET TO THE RAPIDRIDE ITS TERMINATION CABINET ACCORDING TO THE PLANS. TERMINATE THE 12PR AND 1PR CABLES TO THE TSP INTERFACE PANELS IN BOTH THE RAPIDRIDE ITS TERMINATION CABINET AND THE CONTROLLER CABINET ACCORDING TO THE WIRING DIAGRAMS PROVIDED BY KING COUNTY. SECURE THE 12PR AND 1PR CABLES IN THE CABINETS WITH VELCRO FASTENERS. LABEL CABLES IN BOTH THE RAPIDRIDE ITS TERMINATION CABINET AND CONTROLLER CABINETS AS "TSP" CABLES.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE USA

CONFORMED FOR CONSTRUCTION	MDR/MCP	1/22/13
No.	REVISION	BY APP'D DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: C. Long	SITE LOCATION NO.:
CHECKED: C. Long	RECOMMENDED:	IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	C00759C12	

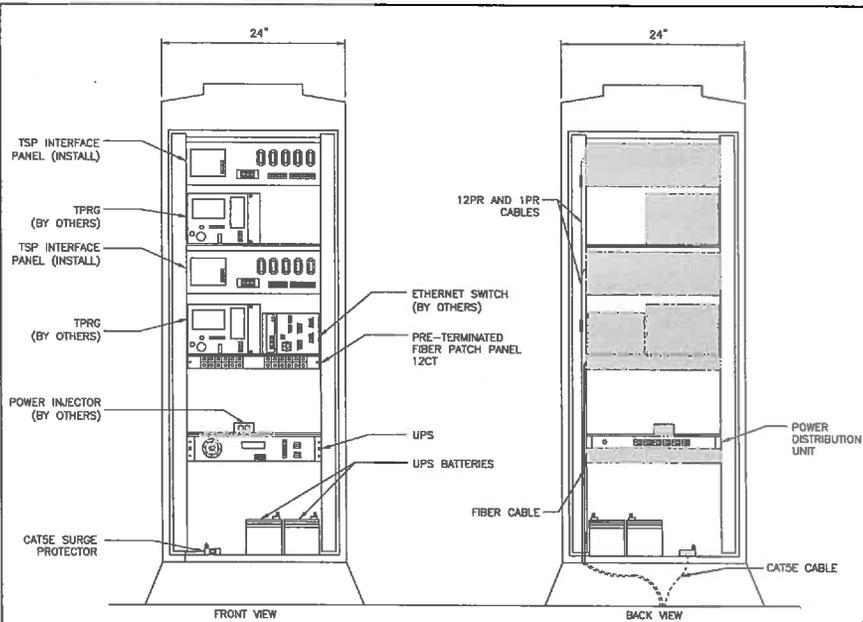
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

RAPIDRIDE ITS TERMINATION CABINET DETAILS

DATE: 10/23/12
DRAWING NO. D2
SHEET NO. OF 127 197

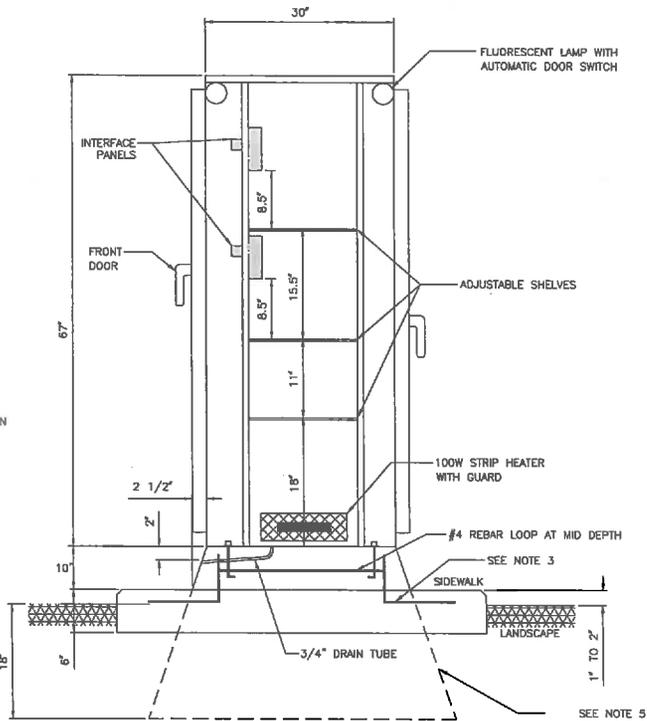
King County Department of Transportation

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 PLOT DATE: Jan 21, 2013 10:20:33am by mdr



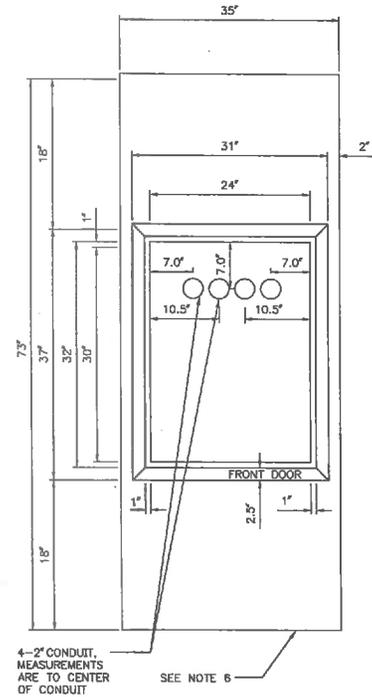
332 RAPIDRIDE ITS CABINET EQUIPMENT LAYOUT

NOT TO SCALE



TYPICAL 332 RAPIDRIDE ITS CABINET DETAIL

SIDE VIEW SHOWN - NOT TO SCALE



332 RAPIDRIDE ITS CABINET PAD

PLAN VIEW SHOWN - NOT TO SCALE

- INSTALL A 332 RAPIDRIDE ITS CABINET ON THE NEW FOUNDATION. THE FRONT DOOR OF THE CABINET SHALL BE ORIENTED AS SHOWN ON THE PLANS. SEE PLAN SHEETS FOR RAPIDRIDE CABINET LOCATION.
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- ANCHOR BOLTS SHALL BE STAINLESS STEEL AND HAVE SQUARE WASHERS. DATA FOR SPACING OF BOLTS SHALL BE SUPPLIED BY THE CABINET MANUFACTURER.
- IF INSTALLED IN EXISTING SIDEWALK, THE CABINET FOUNDATION SHALL EXTEND 18" BELOW FINISHED GRADE AND FULL CABINET PAD IS NOT REQUIRED.
- IF CABINET INSTALLED AT BACK OF EXISTING SIDEWALK, THE CABINET PAD SHALL NOT BE CONSTRUCTED ON SIDEWALK SIDE OF CABINET.
- SEAL CABINET TO FOUNDATION WITH GRAY OR CLEAR SILICON TO PREVENT MOISTURE FROM ENTERING THE CABINET.
- FURNISH AND INSTALL A 12CT PRE-TERMINATED FIBER PATCH PANEL ACCORDING TO THE PLANS AND EQUIPMENT DETAIL J ON DRAWING E2 AND SPLICE AS DESCRIBED IN THE SPLICE DETAILS. THE PATCH PANEL SHALL BE MOUNTED TO THE UNDERSIDE OF THE SECOND SHELF. THE FIBER CABLES SHALL BE SECURELY FASTENED IN THE CABINET. VELCRO FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER TERMINATION PANEL IF THE FIBER CABLE IS PULLED BY HAND, MAINTAIN BEND RADIUS REQUIREMENTS.
- FURNISH ADJUSTABLE SHELVES AND INSTALL AT THE HEIGHTS INDICATED IN THE CABINET DETAIL.
- FURNISH AND INSTALL 19-INCH RACK MOUNTED POWER DISTRIBUTION UNIT DIRECTLY BELOW THE BOTTOM SHELF. INSTALL POWER DISTRIBUTION UNIT ON THE BACK DOOR RACK.
- FURNISH AND INSTALL 19-INCH RACK MOUNTED UPS UNIT AND BATTERIES. HARDWIRE UPS UNIT TO BREAKER IN THE CABINET, AND HARDWIRE THE POWER DISTRIBUTION UNIT TO THE UPS UNIT.
- FURNISH 1-METER PATCH CORDS PER SPECIFICATIONS. LEAVE PATCH CORDS ON THE SHELF ABOVE THE UPS UNIT FOR INSTALLATION BY OTHERS. SEE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6 FOR QUANTITY OF FIBER OPTIC PATCH CORDS (FOPC) TO BE FURNISHED FOR EACH CABINET.
- FURNISH AND INSTALL CATSE SURGE PROTECTOR AND GROUND TO GROUND BAR IN CABINET. PULL CATSE CABLE FROM WIRELESS ACCESS POINT INTO RAPIDRIDE ITS CABINET. COIL 6' OF CATSE CABLE IN BASE OF CABINET. TERMINATE CATSE CABLE WITH RJ45 CONNECTOR. TEST CABLE FROM END TO END FOR PROPER PIN CONNECTIVITY. SECURE CABLE WITH VELCRO FASTENERS AND TERMINATE CABLE INTO THE CATSE SURGE PROTECTOR.
- INSTALL KING COUNTY FURNISHED TSP INTERFACE PANELS AT THE HEIGHTS INDICATED. PULL THE 12PR AND 1PR CABLES FROM THE CONTROLLER CABINETS INTO THE 332 RAPIDRIDE ITS CABINET ACCORDING TO THE PLANS. LABEL EACH SET OF CABLES IN THE CONTROLLER CABINET AND THE RAPIDRIDE ITS CABINET AS "TSP" CABLES. INCLUDE THE NAME OF THE INTERSECTION TO WHICH EACH SET OF CABLES IS CONNECTED. TERMINATE THE 12PR AND 1PR CABLES TO THE TSP INTERFACE PANELS IN THE RAPIDRIDE ITS CABINET AND TO THE CORRESPONDING TSP INTERFACE PANEL IN THE CONTROLLER CABINET ACCORDING TO THE WIRING DIAGRAMS PROVIDED BY KING COUNTY. SECURE THE 12PR AND 1PR CABLES IN THE CABINETS WITH VELCRO FASTENERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNIVERSITY MICROFILMS

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
CHECKED: H. Yu	DATE: -	SITE LOCATION NO.:
RECOMMENDED: C. Long	WORK REQUEST NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	CO0759C12	

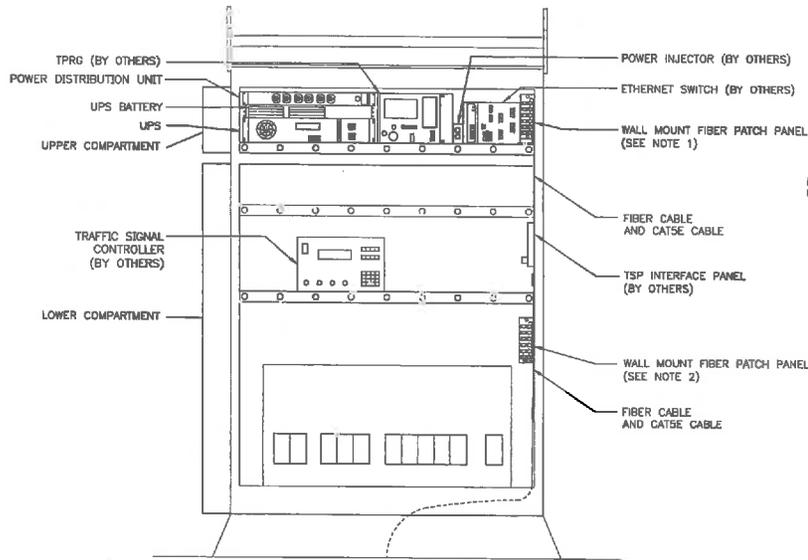


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

332 RAPIDRIDE ITS
CABINET DETAILS

DATE: 10/23/12
DRAWING NO.:
D3
SHEET NO. OF 128 197

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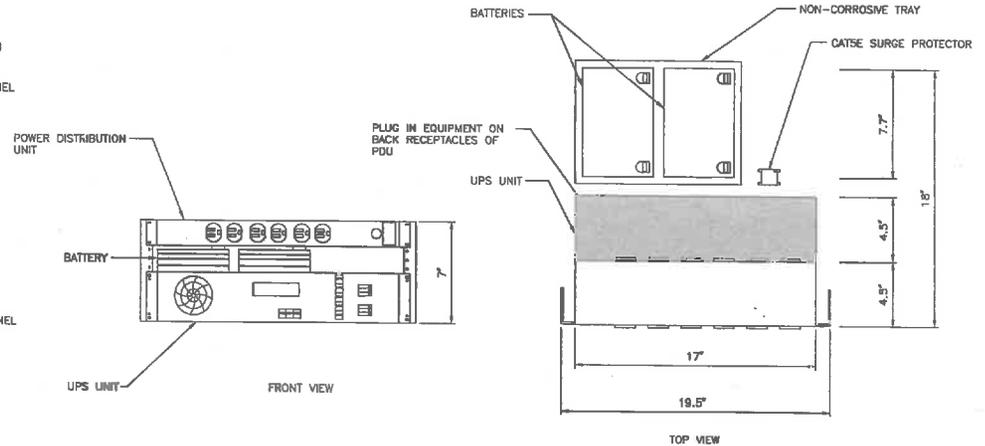


DETAIL 1: TYPICAL DOUBLE DOOR P CABINET EQUIPMENT LAYOUT

FRONT VIEW SHOWN - NOT TO SCALE

NOTES:

- FURNISH AND INSTALL A 12CT WALL MOUNT FIBER PATCH PANEL IN THE UPPER COMPARTMENT OF THE CABINET AND SPLICE THE RAPIDRIDE FIBER OPTIC CABLE TO THE PRE-TERMINATED PIGTAIL IN THE PATCH PANEL HOUSING BY CORRESPONDING COLOR/NUMBER. FIBER OPTIC CABLE SHALL BE SECURELY FASTENED TO THE CABINET USING VELCRO FASTENERS. THE FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER PATCH PANEL IF THE FIBER CABLE IS PULLED ON BY HAND. MAINTAIN BEND RADIUS REQUIREMENTS.
- FOR DOUBLE DOOR P CABINETS IN BURRIEN AND SEAC, FURNISH AND INSTALL A 12CT WALL MOUNT FIBER PATCH PANEL IN THE LOWER COMPARTMENT FIELD. TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL. FIBER OPTIC CABLE SHALL BE SECURELY FASTENED TO THE CABINET USING VELCRO FASTENERS. THE FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER PATCH PANEL IF THE FIBER CABLE IS PULLED ON BY HAND. MAINTAIN BEND RADIUS REQUIREMENTS.
- SEE THE EQUIPMENT DETAILS ON DRAWING E3 AS REFERENCED IN DRAWINGS F1-F6 FOR THE EQUIPMENT TO BE FURNISHED AND INSTALLED IN EACH CABINET. SOME CABINETS MAY NOT INCLUDE ALL EQUIPMENT SHOWN IN THE TYPICAL DOUBLE DOOR P CABINET EQUIPMENT LAYOUT. INTERSECTIONS WITHOUT ACCESS POINTS WILL NOT REQUIRE A CATSE SURGE PROTECTOR OR POWER INJECTOR. LOCATIONS WITHOUT TRANSIT SIGNAL PRIORITY (TSP) WILL NOT REQUIRE THE TPRG OR TSP INTERFACE PANELS.
- AT LOCATIONS WITH AN ACCESS POINT AND ANTENNA, FURNISH AND INSTALL CATSE SURGE PROTECTOR AND GROUND TO GROUND BAR IN CABINET. PULL CATSE CABLE FROM WIRELESS ACCESS POINT INTO DOUBLE DOOR P CABINET AND COIL 6' IN UPPER COMPARTMENT. TERMINATE CATSE CABLE WITH RJ45 CONNECTOR. TEST CABLE FROM END TO END FOR PROPER PIN CONNECTIVITY. SECURE CABLES WITH VELCRO FASTENERS AND TERMINATE CABLE INTO CATSE SURGE PROTECTOR.
- FURNISH AND INSTALL UPS UNIT, BATTERIES, AND POWER DISTRIBUTION UNIT IN UPPER COMPARTMENT OF CABINET. HARDWIRE UPS UNIT TO BREAKER IN UPPER COMPARTMENT OF CABINET, AND HARDWIRE POWER DISTRIBUTION UNIT (PDU) TO UPS UNIT. THE UPS UNIT AND PDU SHALL BE RACKED IN THE CABINETS AS SHOWN IN THE DETAILS.
- FURNISH 1-METER PATCH CORDS IN BOTH THE UPPER AND LOWER COMPARTMENTS OF THE DOUBLE DOOR P CABINET PER THE SPECIFICATIONS. SEE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6 FOR QUANTITY OF FIBER OPTIC PATCH CORDS (FOPC) TO BE FURNISHED FOR EACH CABINET.



DETAIL 2: UPS UNIT AND BATTERY RACK IN DOUBLE DOOR P CABINETS

NOT TO SCALE

NOTES:

- FURNISH 7" RACK RAILS. MOUNT UPS UNIT AND POWER DISTRIBUTION UNIT TO RACK RAILS AS SHOWN IN THE DETAIL.
- SET BATTERIES IN NON-CORROSIVE TRAY IN THE UPPER COMPARTMENT.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: C. Long	BIS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	CONTRACT NO.:	
	CO0759C12	



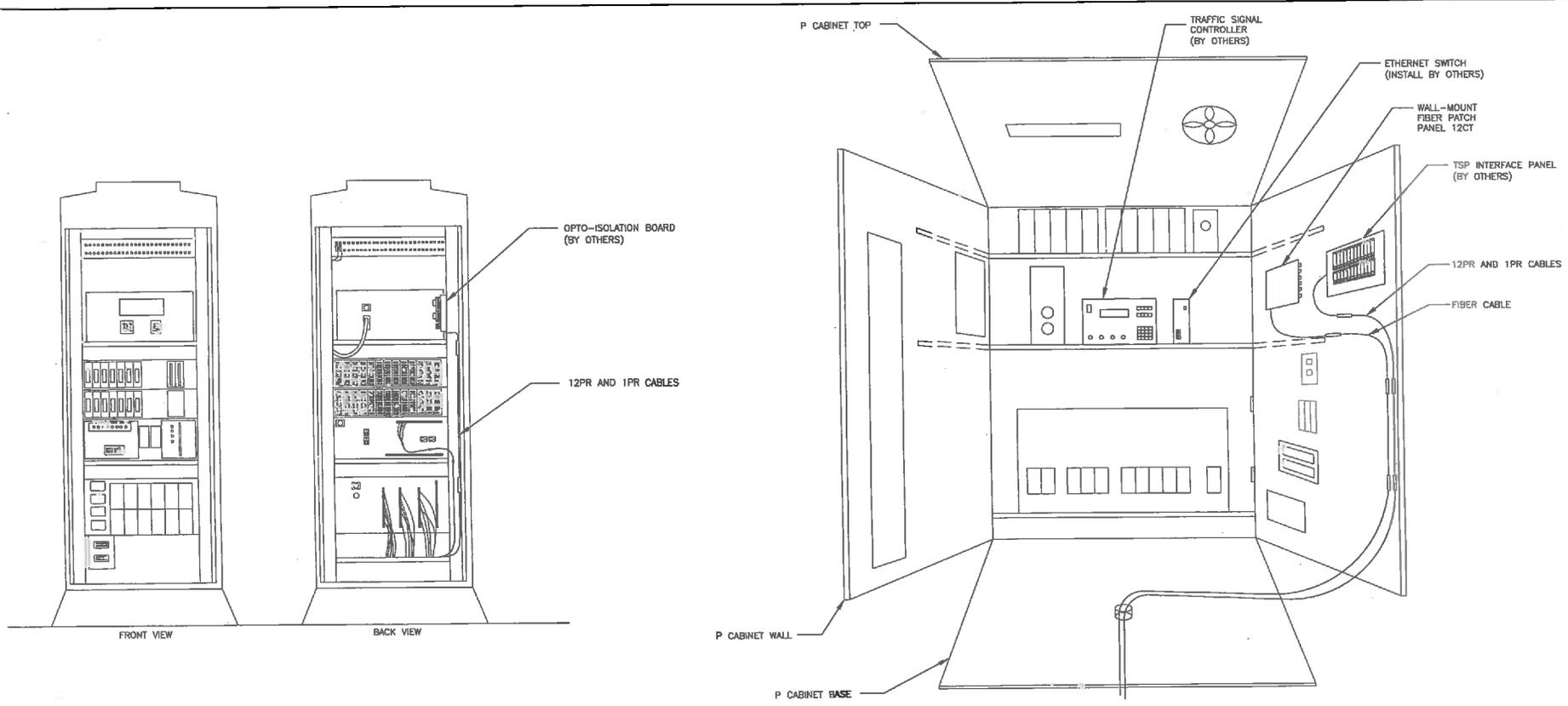
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

DOUBLE DOOR P
CABINET DETAILS

DATE:
10/23/12

DRAWING NO. D4
SHEET NO. OF 129 107

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 PLOTED: sun 2/1 2015 10:20:07 AM By: mdr



DETAIL 1: TYPICAL 332 CONTROLLER CABINET EQUIPMENT LAYOUT

NOT TO SCALE

DETAIL 2: TYPICAL TYPE P CONTROLLER CABINET EQUIPMENT LAYOUT

FRONT VIEW SHOWN - NOT TO SCALE

NOTES:

- PULL 12PR AND 1PR CABLES FROM RAPIDRIDE ITS CABINET INTO THE CONTROLLER CABINET ACCORDING TO PLANS. TERMINATE THE 12PR AND 1PR CABLES TO THE OPTO-ISOLATOR BOARD IN THE CONTROLLER CABINET AND TO THE TSP INTERFACE PANEL IN THE RAPIDRIDE ITS CABINET ACCORDING TO THE WIRING DIAGRAMS PROVIDED BY KING COUNTY. LABEL CABLES IN CABINET AS "TSP" CABLES. SECURE THE 12PR AND 1PR CABLES IN CABINET WITH VELCRO FASTENERS.

NOTES:

- SEE THE ITS EQUIPMENT DETAILS ON DRAWING E1 AS REFERENCED IN DRAWINGS F1-F6 FOR THE EQUIPMENT TO BE FURNISHED AND INSTALLED IN EACH CONTROLLER CABINET. SOME CONTROLLER CABINETS MAY NOT INCLUDE ALL EQUIPMENT SHOWN IN THE TYPICAL TYPE P CONTROLLER CABINET EQUIPMENT LAYOUT DETAIL.
- PULL 12PR AND 1PR CABLES FROM RAPIDRIDE CABINET INTO THE CONTROLLER CABINET ACCORDING TO PLANS. TERMINATE THE 12PR AND 1PR CABLES TO THE TSP INTERFACE PANELS IN BOTH THE CONTROLLER CABINET AND RAPIDRIDE CABINET ACCORDING TO THE WIRING DIAGRAMS PROVIDED BY KING COUNTY. LABEL CABLES IN CABINET AS "TSP" CABLES. SECURE THE 12PR AND 1PR CABLES IN CABINET WITH VELCRO FASTENERS.
- FOR BURLEN, SEATAC, AND RENTON SIGNAL CABINETS, FURNISH AND INSTALL WALL MOUNT FIBER PATCH PANEL IN THE CONTROLLER CABINET AT LOCATION DIRECTED BY THE PROJECT REPRESENTATIVE AND TERMINATE THE FIBER CABLE IN THE FIBER PATCH PANEL. FIBER OPTIC CABLE SHALL BE SECURELY FASTENED TO THE CABINET WALL USING VELCRO FASTENERS. THE FASTENERS SHALL PREVENT STRESS FROM BEING PUT ON THE FIBER TERMINATION PANEL IF THE FIBER CABLE IS PULLED ON BY HAND. MAINTAIN BEND RADIUS REQUIREMENTS.
- FOR BURLEN AND SEATAC CONTROLLER CABINETS, FURNISH ETHERNET SWITCH PER SPECIFICATIONS AND DELIVER TO KING COUNTY FOR INSTALLATION BY OTHERS.
- FURNISH 1-METER PATCH COORDS PER SPECIFICATIONS. SEE FIBER ROUTE SCHEMATIC ON DRAWINGS F1-F6 FOR QUANTITY OF FIBER OPTIC PATCH PANEL (FOPC) TO BE FURNISHED FOR EACH CABINET.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



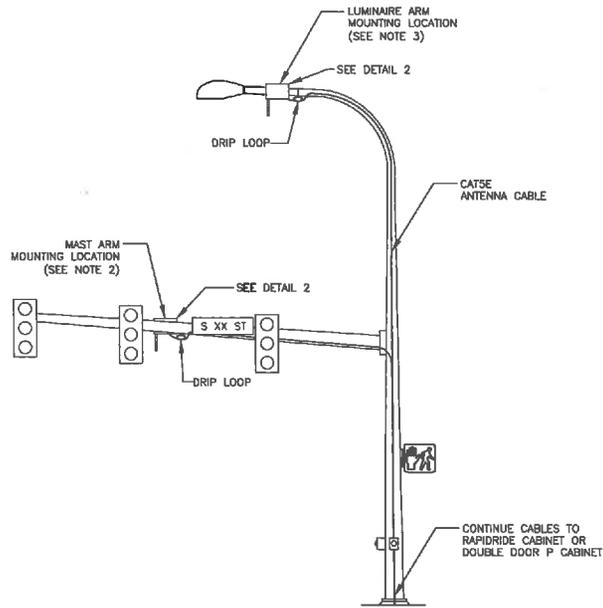
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: H. Yu	APPROVED: C. Long	SITE LOCATION NO.
CHECKED: C. Long	RECOMMENDED: -	CONTRACT NO.: C00759C12



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

CONTROLLER CABINET DETAILS

DATE: 10/23/12
DRAWING NO.: D5
SHEET NO. OF: 130 197

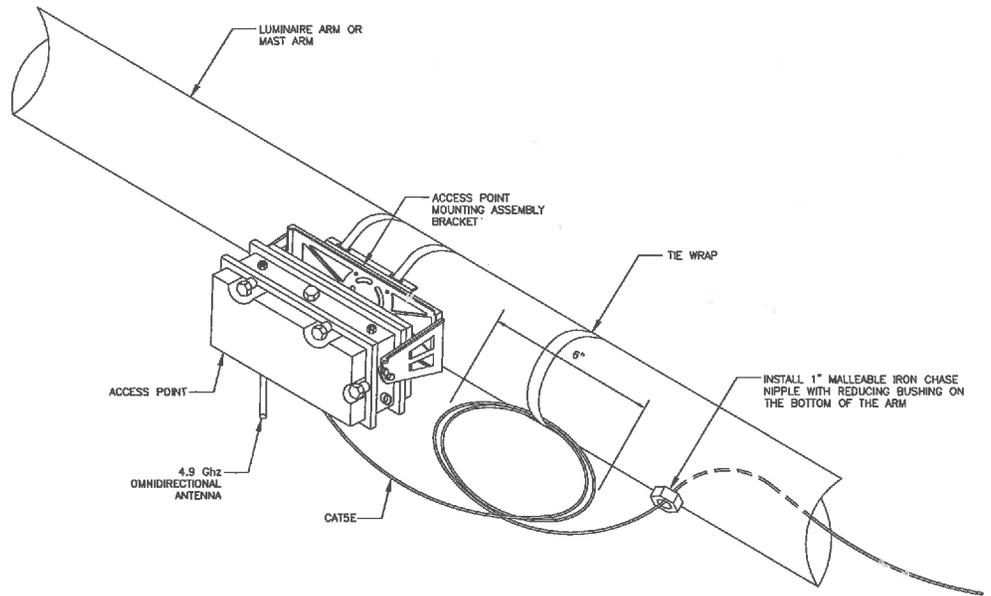


DETAIL 1: ANTENNA AND ACCESS POINT MOUNTING

NOT TO SCALE

NOTES:

1. THE RAPIDRIDE ANTENNA, ACCESS POINT, AND ACCESS POINT MOUNTING ASSEMBLY WILL BE PROVIDED BY KING COUNTY. THE CONTRACTOR SHALL INSTALL THE ANTENNA, ACCESS POINT, AND MOUNTING ASSEMBLY ON THE LUMINAIRE ARM OR MAST ARM AS NOTED IN THE PLANS.
2. SEE PLAN SHEET FOR MOUNTING LOCATION FOR ACCESS POINTS INSTALLED ON MAST ARM. ACCESS POINT SHALL BE MOUNTED ON THE OPPOSITE SIDE OF THE MAST ARM FROM THE SIGNAL HEADS. VERIFY LOCATION WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
3. SEE PLAN SHEET FOR MOUNTING LOCATION FOR ACCESS POINT INSTALLED ON LUMINAIRE ARM. IN LOCATIONS WITH NO CAMERAS, INSTALL ACCESS POINT ONE FOOT FROM LUMINAIRE HEAD. IN LOCATIONS WITH CAMERAS, INSTALL ACCESS POINT ONE FOOT FROM CAMERA. VERIFY LOCATION WITH PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
4. ACCESS POINTS INSTALLED ON DECORATIVE SIGNAL POLES IN CITY OF RENTON SHALL BE PAINTED BLACK PRIOR TO INSTALLATION.
5. ALL HOLES DRILLED INTO STEEL POLES OR LUMINAIRE ARMS MUST HAVE A GALVANIZING TREATMENT.
6. CHASE NIPPLES SHALL BE FILLED WITH SILICONE RUBBER, ROOM TEMPERATURE VULCANIZED (RTV) OR OTHER APPROVED SEALANT.



DETAIL 2: LUMINAIRE ARM/MAST ARM MOUNTED ANTENNA AND ACCESS POINT

NOT TO SCALE

7. CONTRACTOR SHALL CONNECT THE CAT5E CABLE TO THE ACCESS POINT.
8. COIL CAT5E CABLE INTO 6-INCH DRIP LOOP PRIOR TO PULLING CABLE INTO LUMINAIRE ARM/MAST ARM. SECURELY FASTEN DRIP LOOP WITH TIE WRAP TO THE LUMINAIRE ARM OR MAST ARM.
9. PROTECT SIGNAL CABLES WHEN DRILLING INTO THE MAST ARM.
10. IN LOCATIONS WHERE PLANS CALL FOR ADDITIONAL CAT5E CABLES TO BE INSTALLED TO THE MAST ARM, COIL 10' OF CABLE FOR EACH ADDITIONAL CABLE AND SECURE TO MAST ARM WITH TIE WRAPS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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UNEMPLOYED SERVICE (USA)

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No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-8800
www.dksaerodatas.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: SITE LOCATION NO:
DRAWN: H. Yu	ISS. NO.:	ONE INCH AT FULL SIZE
CHECKED: C. Long	ISS. REVISED: --	1"
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

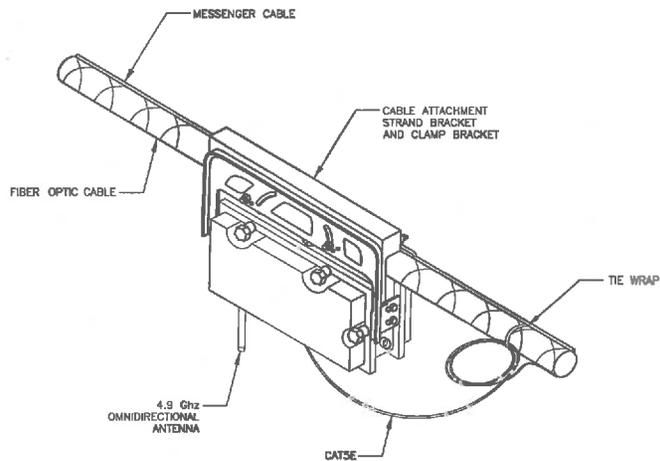


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

ANTENNA MOUNT DETAILS

DATE:
10/23/12

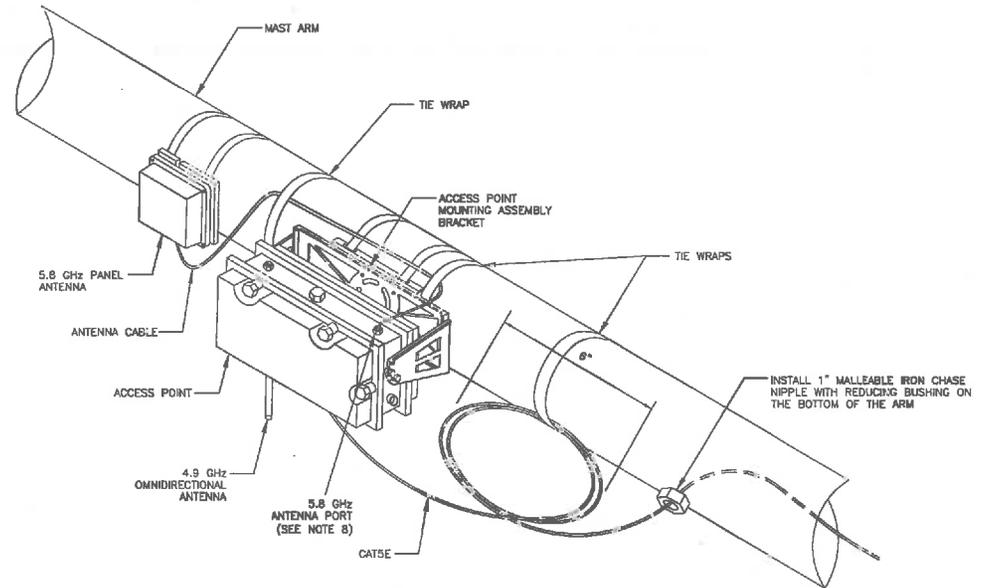
DRAWING NO. D7
SHEET NO. OF 132 197



DETAIL 3: CABLE MOUNTED ANTENNA AND ACCESS POINT
NOT TO SCALE

NOTES:

1. THE ANTENNA, ACCESS POINT, AND ACCESS POINT STRAND BRACKET AND CLAMP BRACKET WILL BE PROVIDED BY KING COUNTY. THE CONTRACTOR SHALL INSTALL THE ANTENNA, ACCESS POINT, AND STRAND BRACKET AND CLAMP BRACKET ON THE MESSENGER CABLE AS NOTED IN THE PLANS.
2. SEE PLAN SHEET FOR MOUNTING LOCATION FOR ACCESS POINTS INSTALLED ON MESSENGER CABLE.
3. CONTRACTOR TO CONNECT THE CATSE CABLE TO THE ACCESS POINT.
4. NEATLY COIL SLACK CATSE CABLE INTO 6" LOOP AND SECURE TO MESSENGER CABLE WITH THE WRAPS TAKING CARE NOT TO OVER TIGHTEN TIE WRAP.



DETAIL 4: MAST ARM MOUNTED ACCESS POINT WITH PANEL ANTENNA
NOT TO SCALE

NOTES:

1. THE OMNIDIRECTIONAL AND PANEL ANTENNAS WILL BE PROVIDED BY KING COUNTY ALONG WITH THE ACCESS POINT, ACCESS POINT MOUNTING ASSEMBLY AND PANEL ANTENNA ATTACHMENT BRACKET. THE CONTRACTOR SHALL INSTALL THE BRACKETS, ANTENNAS, AND ACCESS POINTS ON THE SIGNAL MAST ARM AT THE LOCATION NOTED IN THE PLANS. COORDINATE WITH THE PROJECT REPRESENTATIVE ON THE ORIENTATION OF THE PANEL ANTENNA.
2. SEE PLAN SHEET FOR MOUNTING LOCATION FOR ACCESS POINTS INSTALLED ON MAST ARM.
3. ACCESS POINTS ON DECORATIVE SIGNAL POLES IN CITY OF RENTON SHALL BE PAINTED BLACK PRIOR TO INSTALLATION.
4. ALL HOLES DRILLED INTO STEEL POLES MUST HAVE GALVANIZING TREATMENT.
5. CHASE NIPPLE SHALL BE FILLED WITH SILICON RUBBER ROOM TEMPERATURE VULCANIZED (RTV) OR OTHER APPROVED SEALANT.
6. COIL CATSE CABLE INTO 6-INCH DRIP LOOP PRIOR TO PULLING CABLE INTO MAST ARM. SECURELY FASTEN DRIP LOOP WITH TIE WRAP TO THE MAST ARM.
7. PROTECT SIGNAL CABLES WHEN DRILLING INTO THE MAST ARM.
8. IN THE CASE WHERE TWO PANEL ANTENNAS ARE INSTALLED ON ONE MAST ARM, KING COUNTY SHALL PROVIDE AN ANTENNA CABLE SPLITTER FOR THE 5.8 GHz PORT OF THE ACCESS POINT. THE CONTRACTOR SHALL INSTALL THE SPLITTER PRIOR TO CONNECTING THE ANTENNA CABLES TO THE ACCESS POINT.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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No.	REVISION	BY	APP'D	DATE

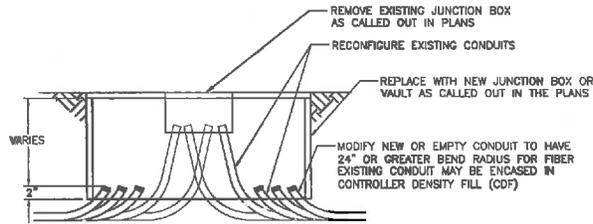


DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED:	SITE LOCATION NO.:
CHECKED: C. Long	RECOMMENDED:	IF NOT ONE INCH SCALE ACCORDINGLY
CONTRACT NO.:	C00759C12	



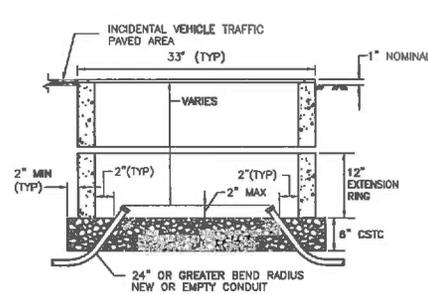
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
ANTENNA MOUNT DETAILS

DATE:	10/23/12
DRAWING NO.:	D8
SHEET NO. OF	133 197



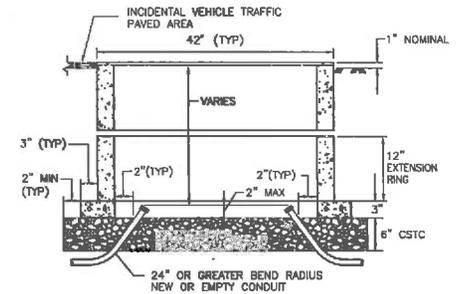
DETAIL 1: REPLACEMENT AND RECONFIGURATION DETAIL

SIDE VIEW SHOWN - NOT TO SCALE



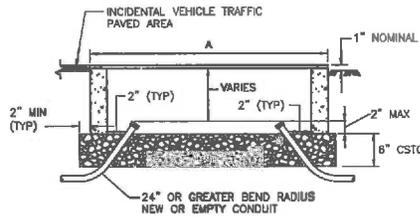
DETAIL 2: TYPE 2 JUNCTION BOX WITH 12" EXTENSION RING INSTALLATION DETAIL

SIDE VIEW SHOWN - NOT TO SCALE



DETAIL 3: TYPE 8 JUNCTION BOX WITH 12" EXTENSION RING INSTALLATION DETAIL

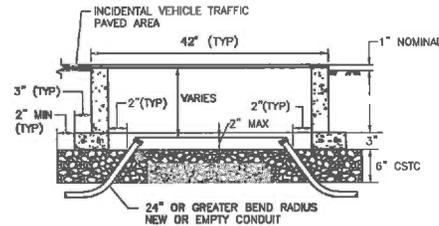
SIDE VIEW SHOWN - NOT TO SCALE



DIMENSION	TYPE 1	TYPE 2
A	22"	33"

DETAIL 4: TYPE 1/2 JUNCTION BOX INSTALLATION DETAIL

SIDE VIEW SHOWN - NOT TO SCALE



DETAIL 5: TYPE 8 JUNCTION BOX INSTALLATION DETAIL

SIDE VIEW SHOWN - NOT TO SCALE

NOTES:

- DIMENSIONS SHOWN ARE NOMINAL. EXACT DIMENSIONS MAY VARY AMONG DIFFERENT MANUFACTURERS.
- THE MINIMUM THICKNESS OF LIDS SHALL BE 3/8" THICK STEEL FOR TYPE 1 AND TYPE 2 BOXES AND 1/2" THICK STEEL FOR TYPE 8 BOXES. THE DIAMOND PATTERN SHALL BE A MINIMUM OF 28% MINIMUM OF OVERALL THICKNESS. JUNCTION BOXES INSTALLED IN SIDEWALK, WALKWAYS, AND SHARED-USE PATHS SHALL HAVE A SLIP-RESISTANT COATING ON THE LID AND LIP COVER PLATE AND SHALL BE INSTALLED WITH THE SURFACE FLUSH WITH AND MATCHED TO THE GRADE OF THE SIDEWALK, WALKWAY, OR SHARED-USE PATH.
- LID SUPPORT MEMBERS SHALL BE 3/8" MIN. THICK STEEL C, L OR T SHAPE WELDED TO THE FRAME.
- WHEN SPECIFIED IN THE CONTRACT, TYPE 2 AND TYPE 8 BOXES SHALL BE PROVIDED WITH 12" DEEP EXTENSION BOXES.
- A 1/2" NC X 3/4" STAINLESS STEEL GROUND STUD WITH S. S. NUT SHALL BE WELDED TO THE BOTTOM OF THE LID. EQUIPMENT BONDING JUMPER SHALL BE #8 AWG MIN. X 4' OF TINNED BRAIDED COPPER.
- SEE THE STANDARD SPECIFICATIONS FOR ALTERNATIVE USE OF REINFORCEMENT.
- WHEN REPLACING AN EXISTING JUNCTION BOX, THE END OF EACH EXISTING EMPTY CONDUIT FOR NEW FIBER OPTIC CABLE INSTALLATION SHALL BE CUT BACK AND REPLACED WITH A 45° FACTORY BEND WITH A MINIMUM 24" BENDING RADIUS. TRIM ALL EXISTING CONDUITS TO WITHIN 2" OF BOTTOM OR SIDE OF THE NEW JUNCTION BOX.
- THE TYPE 8 LIDS SHALL BE GALVANIZED AND BOTH LIDS SHALL BE BONDED. HINGES SHALL ALLOW THE LID TO OPEN 180°.
- ALL CONDUIT SHALL HAVE BELL ENDS.
- BOLTS AND NUTS SHALL BE LIBERALLY COATED WITH ANTI-SEIZE COMPOUND.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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UNSUBSCRIBED SERVICE (USA)

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No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: C. Long	SITE LOCATION NO.:
CHECKED: C. Long	RECOMMENDED:	IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	C00759C12	



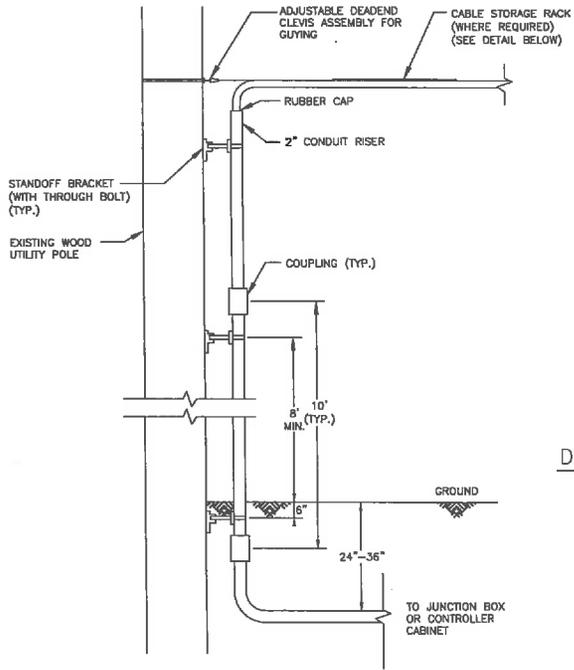
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**JUNCTION BOX
DETAILS**

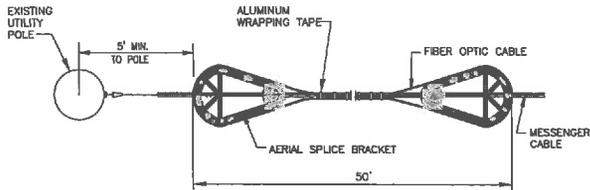
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DRAWING NO. D10
SHEET NO. OF 135 197

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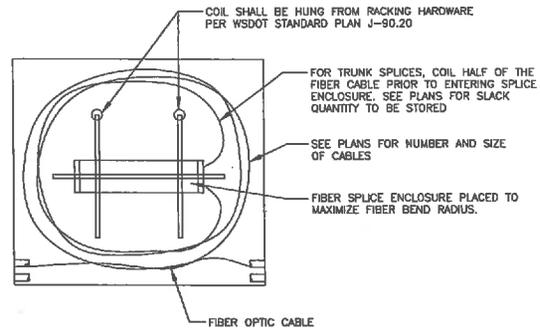
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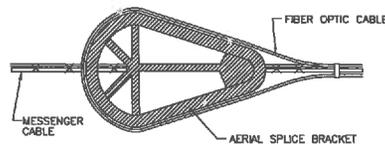
DETAIL 1: RISER DETAIL
NOT TO SCALE



DETAIL 4: TYPICAL STRAND STORAGE FOR FIBER OPTIC CABLES
TOP VIEW SHOWN - NOT TO SCALE

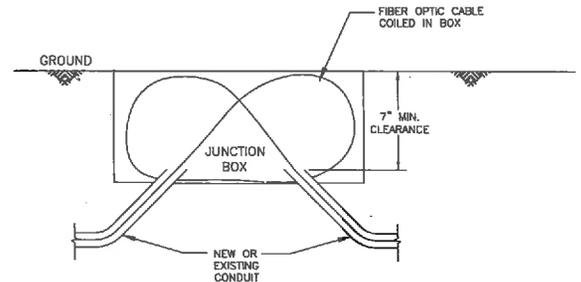


DETAIL 2: FIBER SPLICE ENCLOSURE AND CABLE STORAGE DETAIL
NOT TO SCALE

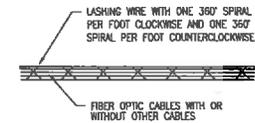


DETAIL 5: AERIAL SLACK BRACKET DETAIL
TOP VIEW SHOWN - NOT TO SCALE

NOTE:
1. BRACKET RADIUS SHALL BE LARGER THAN CABLE MANUFACTURER'S MINIMUM BEND RADIUS FOR LONG TERM STORAGE OF LARGEST CABLE DIAMETER.



DETAIL 3: FIBER OPTIC INSTALLATION DETAIL
NOT TO SCALE



DETAIL 6: TYPICAL CABLE LASHING DETAIL
DOUBLE LASHING

NOTE:
1. ALL FIBER TRUNK CABLE SHALL BE DOUBLE LASHED. DROP CABLE MAY BE SINGLE LASHED.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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Seattle, Washington 98104
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www.dksassoc.com

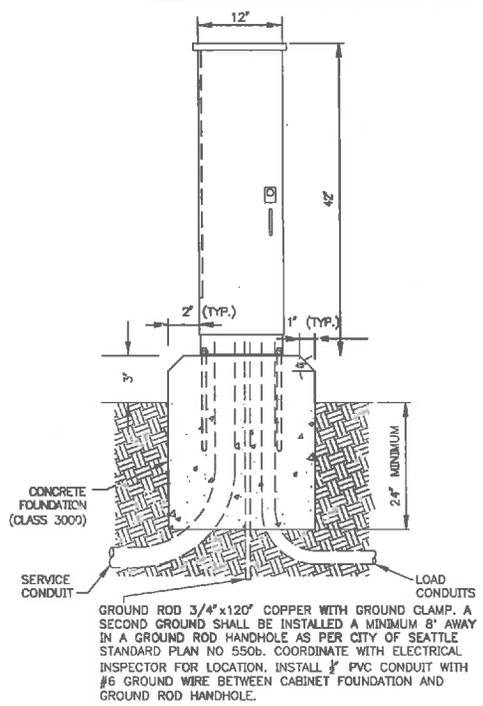


DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: C. Long	SITE LOCATION NO.:
CHECKED: C. Long	RECOMMENDER: -	IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	CO0759C12	



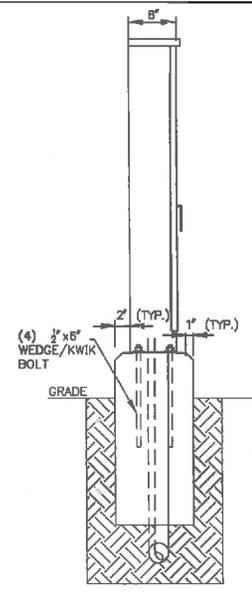
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER OPTIC INSTALLATION DETAILS

DATE:	10/23/12
DRAWING NO.:	D11
SHEET NO. OF:	136 197

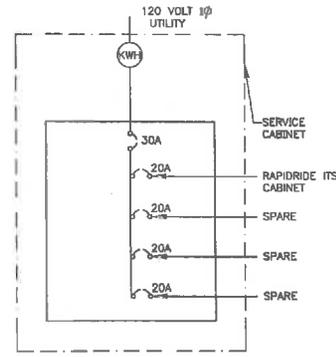


GROUND ROD 3/4" x 120" COPPER WITH GROUND CLAMP. A SECOND GROUND SHALL BE INSTALLED A MINIMUM 8" AWAY IN A GROUND ROD HANDHOLE AS PER CITY OF SEATTLE STANDARD PLAN NO 550b. COORDINATE WITH ELECTRICAL INSPECTOR FOR LOCATION. INSTALL 1/2" PVC CONDUIT WITH #6 GROUND WIRE BETWEEN CABINET FOUNDATION AND GROUND ROD HANDHOLE.

FRONT VIEW

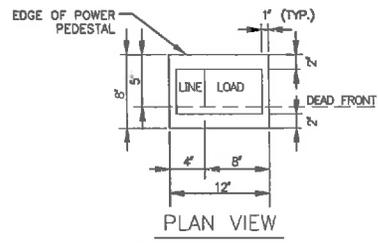


SIDE VIEW



DETAIL 2: ONE LINE DIAGRAM DETAIL

NOT TO SCALE



PLAN VIEW

DETAIL 1: SERVICE CABINET DETAIL

NOT TO SCALE

NOTE:
1. ANCHOR BOLT SPACING PROVIDED BY MANUFACTURER.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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No.	REVISION	BY	APP'D DATE

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DESIGNED: M. Powers	PROJECT MANAGER: M. Powers
DRAWN: H. Yu	APPROVED:
CHECKED: C. Long	SITE LOCATION NO.:
RECOMMENDED:	SCALE: ONE INCH AT FULL SIZE 1" = 1'-0" IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.: CD0759C12

METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	
SERVICE CABINET DETAILS	



DATE: 10/23/12
DRAWING NO.: D12
SHEET NO. OF: 137 197

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 PLOTTED: Jan 21, 2013 10:52:11 AM by mar

TABLE 1: POLE SCHEDULE: PROPOSED ATTACHMENT HEIGHTS FOR AERIAL FIBER OPTIC INSTALLATION

SCL POLE #	PROPOSED RISER HEIGHT (FT)	PROPOSED MESSENGER CABLE ATTACHMENT HEIGHT (FT)
1397305	TBD	30.4
1397320	-	30.4
1397304	TBD	TBD
1397401	TBD	25.6
1397410	-	TBD
1397372	-	31.3
1397411	-	TBD
1401704	-	TBD
1401743	-	TBD
1401747	-	31.7
1401745	TBD	TBD
1401731	-	TBD
1397378	-	TBD
1397449	-	26.9
1397439	-	24.0
1397444	-	24.9
1397440	-	24.6
1397432	-	23.0
1397390	-	23.1
1397448	-	23.5
1397435	-	25.5
1397447	TBD	23.2
1397005	TBD	22.8
1397015	-	28.7
1397016	-	17.5
1397083	-	27.1
1397082	-	23.1
1397087	-	TBD
1397081	-	23.1
1397009	-	25.0
1397090	-	TBD
1398986	-	TBD
1397085	-	24.4
1397080	-	27.2
1397023	-	28.8
1397019	TBD	29.8

TBD: PENDING SEATTLE CITY LIGHT FINAL PERMIT

NOTES:

- AERIAL INSTALLATION OF FIBER OPTIC CABLE SHALL BE COMPLETED IN ACCORDANCE WITH NESC STANDARDS FOR AERIAL INSTALLATION OF COMMUNICATION CABLES.
- AERIAL INSTALLATION OF FIBER OPTIC CABLE SHALL ALSO BE IN ACCORDANCE WITH SEATTLE CITY LIGHT REQUIREMENTS. NEW AERIAL FIBER OPTIC CABLE SHALL BE INSTALLED AT A DISTANCE OF 12-INCHES ABOVE THE HIGHEST EXISTING COMMUNICATION CABLE AND MAINTAIN 40-INCHES OF CLEAR SPACE BETWEEN THE AERIAL FIBER CABLE AND THE SECONDARY UNLESS OTHERWISE APPROVED BY SEATTLE CITY LIGHT.

TABLE 2: SERVICE CONSOLIDATION SUMMARY

DWG	INTERSECTION	BREAKER MODIFICATION DETAILS
110	SOUTHCENTER BLVD / TBS	REPLACE EXISTING 15AMP BREAKER LABELED "SPARE" IN THE THIRD "SPARE" BREAKER SLOT FROM THE LEFT WITH A NEW 20AMP BREAKER FOR RAPIDRIDE SERVICE. RELABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."
113	SOUTHCENTER BLVD / MACADAM ROAD S	REPLACE EXISTING SPARE 15AMP BREAKER IN THE SEVENTH BREAKER POSITION FROM THE LEFT WITH A NEW 20AMP BREAKER FOR RAPIDRIDE SERVICE. RELABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."
114	SOUTHCENTER BLVD / 61ST AVE S	INSTALL TANDEM 20AMP BREAKERS IN THE UNOCCUPIED BREAKER POSITION ON THE BOTTOM LEFT CORNER OF THE EXISTING SERVICE PANEL FOR RAPIDRIDE SERVICE AT THE INTERSECTIONS OF SOUTHCENTER BLVD/61ST AVE S AND SOUTHCENTER BLVD/62ND AVE S. LABEL THE BREAKER SLOT AS "RAPIDRIDE 61ST" AND "RAPIDRIDE 62ND."
118	TUKWILA PARKWAY / ANDOVER PARK W	COORDINATE WITH CITY OF TUKWILA SIGNAL TECHNICIAN TO IDENTIFY WHICH EXISTING 20AMP BREAKER SHOULD BE CONSOLIDATED FROM A STANDARD SINGLE POLE BREAKER TO A HALF-SIZE BREAKER. REPLACE EXISTING SINGLE POLE BREAKER WITH NEW TANDEM 20AMP BREAKER. UTILIZE ONE HALF-SIZE BREAKER FOR EXISTING SERVICE AND ONE HALF-SIZE BREAKER FOR RAPIDRIDE SERVICE.
126	DAKESDALE AVE SW / SW 27TH ST	DISCONNECT THE SERVICE CONDUCTORS FROM THE EXISTING 20AMP BREAKER LABELED "GR" AND TERMINATE RAPIDRIDE SERVICE CONDUCTORS TO EXISTING 20AMP BREAKER. RELABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."
129	LIND AVE SW / SW 16TH ST	DISCONNECT THE SERVICE CONDUCTORS FROM THE EXISTING 15AMP BREAKER LABELED "HEAT" AND REPLACE BREAKER WITH A NEW 20AMP BREAKER FOR RAPIDRIDE SERVICE. RELABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."
140	S 2ND ST / LOGAN AVE S	DISCONNECT THE SERVICE CONDUCTORS FROM THE EXISTING 20AMP BREAKER LABELED "GR" AND TERMINATE RAPIDRIDE SERVICE CONDUCTORS TO EXISTING 20AMP BREAKER. RELABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."
141	S 2ND ST / RAINIER AVE S	REPLACE THE EXISTING "SPARE" 20AMP BREAKER IN THE BOTTOM LEFT SLOT OF THE BREAKER PANEL WITH A NEW 20AMP BREAKER FOR RAPIDRIDE SERVICE. LABEL THE BREAKER SLOT IN THE PANEL AS "RAPIDRIDE."

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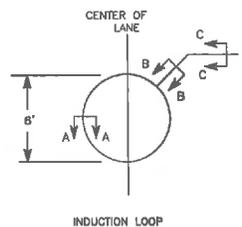
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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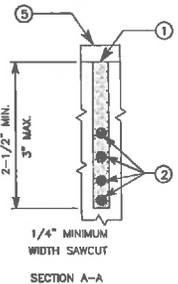
1-800-424-5555
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CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	 719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 382-8800 www.dksinc.com		DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:	METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	SHEET NO. OF 10/23/12
							DRAWN: H. Yu	CHECKED: C. Long	RECOMMENDED: -		SITE LOCATION NO. -
No.	REVISION	BY	APP'D	DATE							

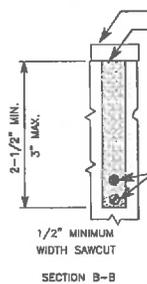
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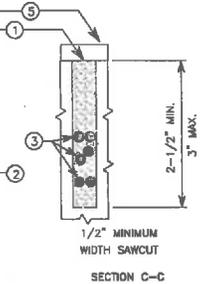
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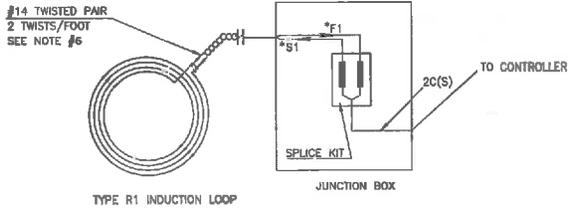
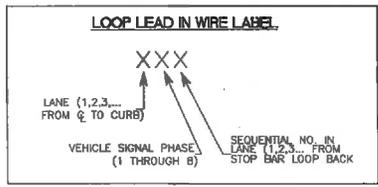
SECTION A-A



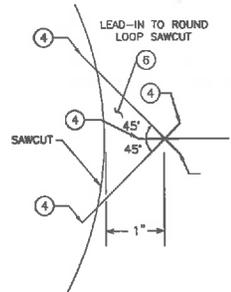
SECTION B-B



SECTION C-C



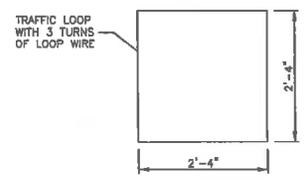
DETAIL 1: LOOP WINDING DETAILS
NOT TO SCALE



LOOP SAWCUT DETAIL

DETAIL 2: INDUCTION LOOP SAW CUT
NOT TO SCALE

- ① SEALANT TO ENCAPSULATE CONDUCTORS - SEE SPECIAL PROVISIONS.
- ② LOOP WIRE -- #14 AWG.
- ③ LEAD-IN WIRES: (SEE INSTALLATION NOTES) THREE PAIR MAXIMUM PER SAWCUT.
- ④ EXTEND SAWCUT SUFFICIENT LENGTH TO PROVIDE FULL SAWCUT DEPTH AROUND CORNERS.
- ⑤ WEARING COURSE (LOOPS SHALL BE INSTALLED PRIOR TO FINAL LIFT IF NEW PAVEMENT IS INSTALLED) WHERE APPLICABLE.
- ⑥ FILL WITH SEALANT.



DETAIL 3: BICYCLE LOOP DETAIL
NOT TO SCALE

NOTES:

1. CENTER EACH DETECTOR LOOP IN LANE.
2. INSTALL LEAD-IN CONDUIT TO EXISTING JUNCTION BOX.
3. SAWCUT LOOP SLOTS AND LEAD-IN SLOTS.
4. LAY OUT LOOP WIRE STARTING AT JUNCTION BOX, ALLOWING 5" MINIMUM SLACK.
5. INSTALL WIRE IN LOOP SLOT AS SHOWN.
6. FINISH LAYING OUT WIRE AT JUNCTION BOX AND IDENTIFY LEADS WITH LOOP NUMBER AND "S" FOR START AND "F" FOR FINISH.
7. TWIST EACH PAIR OF LEAD WIRES TWO TIMES PER FOOT FROM LOOP TO JUNCTION BOX. REVERSE DIRECTION OF TWIST FOR EACH SUCCESSIVE PAIR INSTALLED.
8. SPLICE LOOP LEADS OR SUPPLEMENTAL SPLICE LEADS TO SHIELDED CABLE AS NOTED IN THE PLANS.
9. FRONT OF LOOP SHALL BE MEASURED FROM BACK OF STOP BAR, OR BACK OF CROSSWALK WHERE NO STOP BAR IS INSTALLED.
10. CONDUIT FOR LOOP STUBOUT SHALL BE SCHEDULE 40 PVC.
11. LABEL ALL LOOP LEAD IN WIRES WITH LOOP NUMBER.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
 KING COUNTY METRO

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 779 Second Ave., Suite 1200
 Seattle, Washington 98104
 (206) 962-6800
 www.dksengineering.com



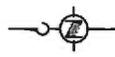
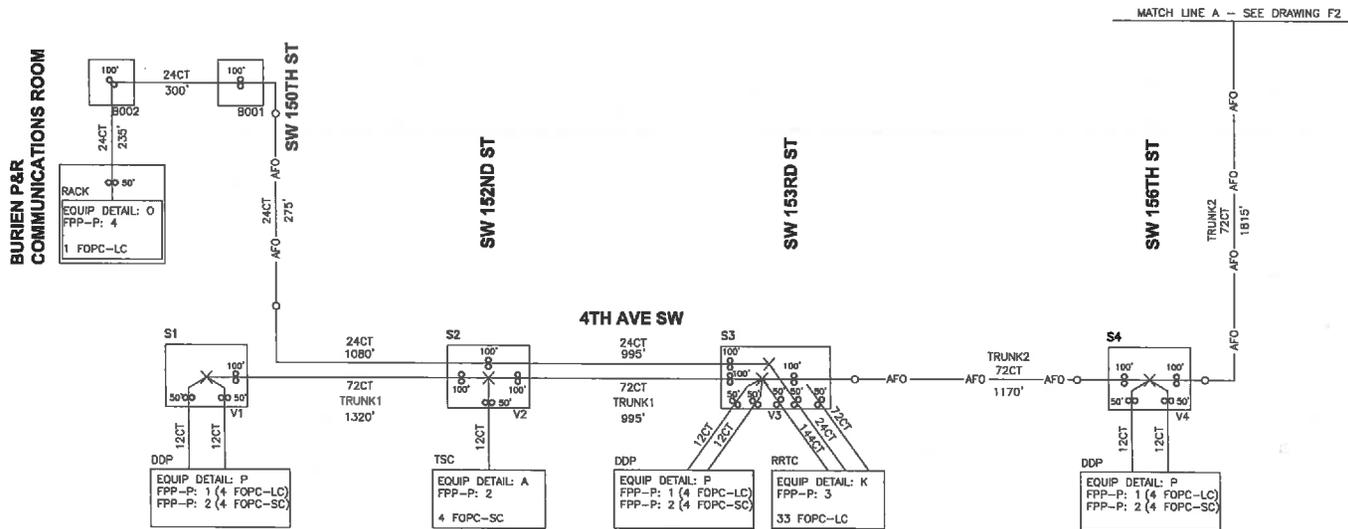
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DRAWN:	APPROVED:	SITE LOCATION NO.:
H. Yu	ISS NO.:	ONE INCH AT FULL SIZE
C. Long	REVISED:	1"
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO075BC12	

King County Department of Transportation
--

METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**INDUCTION LOOP
 DETAILS**

DATE:	10/23/12
DRAWING NO.:	D14
SHEET NO. OF:	139 197

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 PLOTTER: Jan 21, 2013 - 03:22:27pm By: mcr



MATCH LINE A - SEE DRAWING F2

LEGEND

∞	FIBER SLACK	S#	SPLICE DETAIL
×	FIBER SPLICE	X###	VAULT ID
RRTC	RAPIDRIDE TERMINATION CABINET	FPP-P	FIBER PATCH PANEL PATCHING
RRC	RAPIDRIDE ITS CABINET	— AF0 —	NEW AERIAL FIBER OPTIC CABLE
TSC	TRAFFIC SIGNAL CONTROLLER CABINET	—	NEW FIBER OPTIC CABLE IN CONDUIT
FOPC-LC	FIBER OPTIC PATCH CORDS LC CONNECTORS	---	EXISTING FIBER OPTIC CABLE
FOPC-SC	FIBER OPTIC PATCH CORDS SC CONNECTORS		

GENERAL NOTES

- SEE DRAWINGS E1-E3 FOR ITS EQUIPMENT DETAILS.
- FURNISH FIBER OPTIC PATCH CORDS PER SPECIFICATIONS AND PER QUANTITIES SHOWN IN FIBER OPTIC ROUTE SCHEMATIC.
- SEE DRAWING P1 FOR FIBER PATCHING TABLES AS REFERENCED BY FIBER PATCH PANEL PATCH NUMBER. PATCH TABLES PROVIDED AS REFERENCE ONLY. PATCHING TO BE COMPLETED BY OTHERS.

SPLICE DETAIL INDEX

SW 150TH ST/4TH AVE SW	S1
SW 152ND ST/4TH AVE SW	S2
SW 153RD ST/4TH AVE SW	S3
SW 156TH ST/4TH AVE SW	S4

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

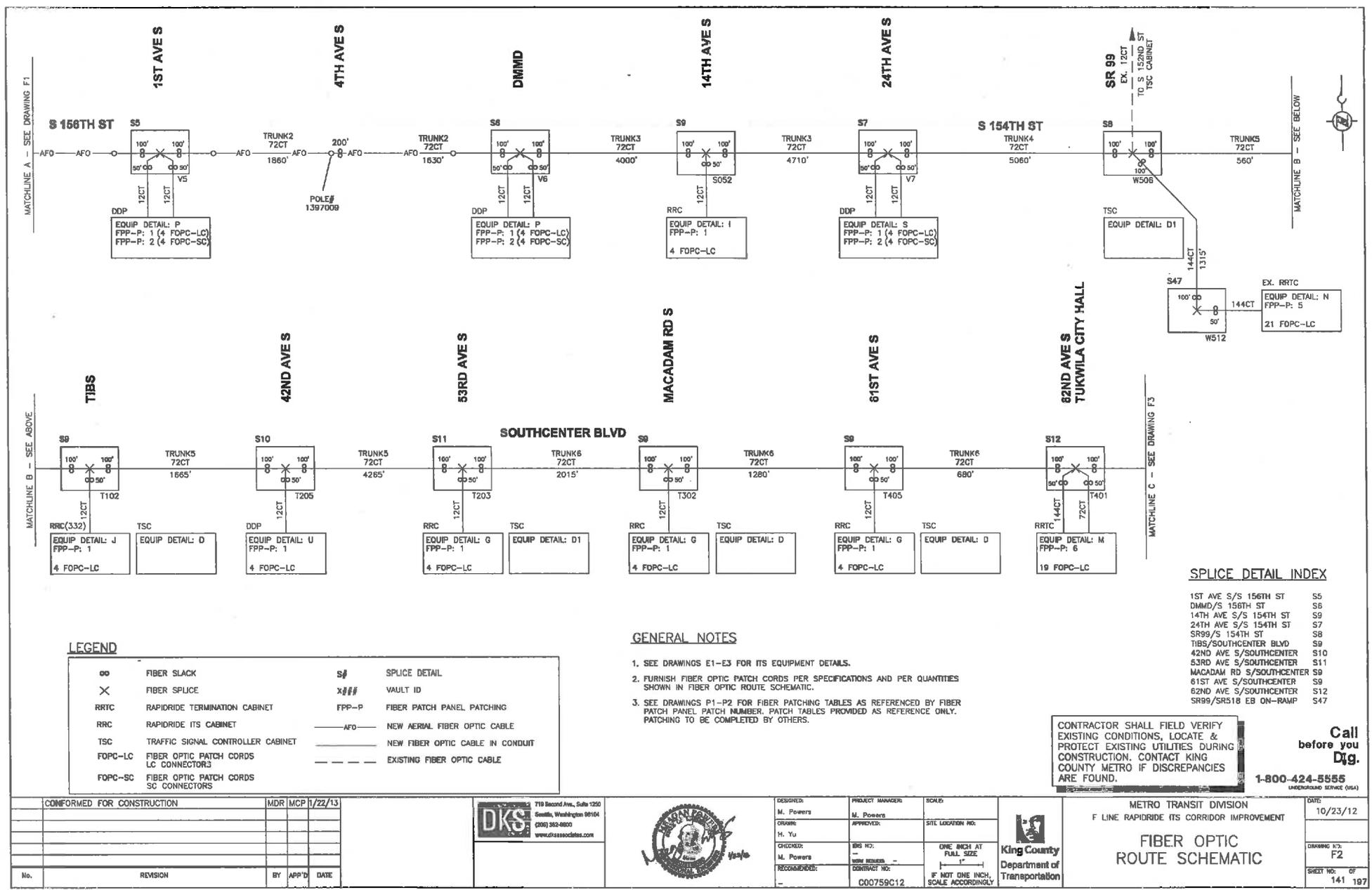
CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED:	SHEET LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	WORK REQUEST:	
	CONTRACT NO.:	
	C00759C12	

METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT		DATE: 10/23/12
FIBER OPTIC ROUTE SCHEMATIC		DRAWING NO.:
		F1
		SHEET NO. OF
		140 197

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SPLICE DETAIL INDEX

1ST AVE S/S 156TH ST	S5
DMMD/S 156TH ST	S6
14TH AVE S/S 154TH ST	S7
24TH AVE S/S 154TH ST	S9
SR99/S 154TH ST	S8
TIBS/SOUTHCENTER BLVD	S9
42ND AVE S/SOUTHCENTER	S10
53RD AVE S/SOUTHCENTER	S11
MACADAM RD S/SOUTHCENTER	S9
61ST AVE S/SOUTHCENTER	S9
62ND AVE S/SOUTHCENTER	S12
SR99/SR1518 EB ON-RAMP	S47

GENERAL NOTES

- SEE DRAWINGS E1-E3 FOR ITS EQUIPMENT DETAILS.
- FURNISH FIBER OPTIC PATCH CORDS PER SPECIFICATIONS AND PER QUANTITIES SHOWN IN FIBER OPTIC ROUTE SCHEMATIC.
- SEE DRAWINGS P1-P2 FOR FIBER PATCHING TABLES AS REFERENCED BY FIBER PATCH PANEL PATCH NUMBER. PATCH TABLES PROVIDED AS REFERENCE ONLY. PATCHING TO BE COMPLETED BY OTHERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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UNDERGROUND SERVICE (USA)

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LEGEND

	FIBER SLACK		S#	SPLICE DETAIL
	FIBER SPLICE		X###	VAULT ID
	RAPIDRIDE TERMINATION CABINET		FPP-P	FIBER PATCH PANEL PATCHING
	RAPIDRIDE ITS CABINET		AFO	NEW AERIAL FIBER OPTIC CABLE
	TRAFFIC SIGNAL CONTROLLER CABINET			NEW FIBER OPTIC CABLE IN CONDUIT
	FIBER OPTIC PATCH CORDS LC CONNECTORS			EXISTING FIBER OPTIC CABLE
	FIBER OPTIC PATCH CORDS SC CONNECTORS			

CONFORMED FOR CONSTRUCTION	MDR	MCP	1/22/13
No.	REVISION	BY	APP'D DATE

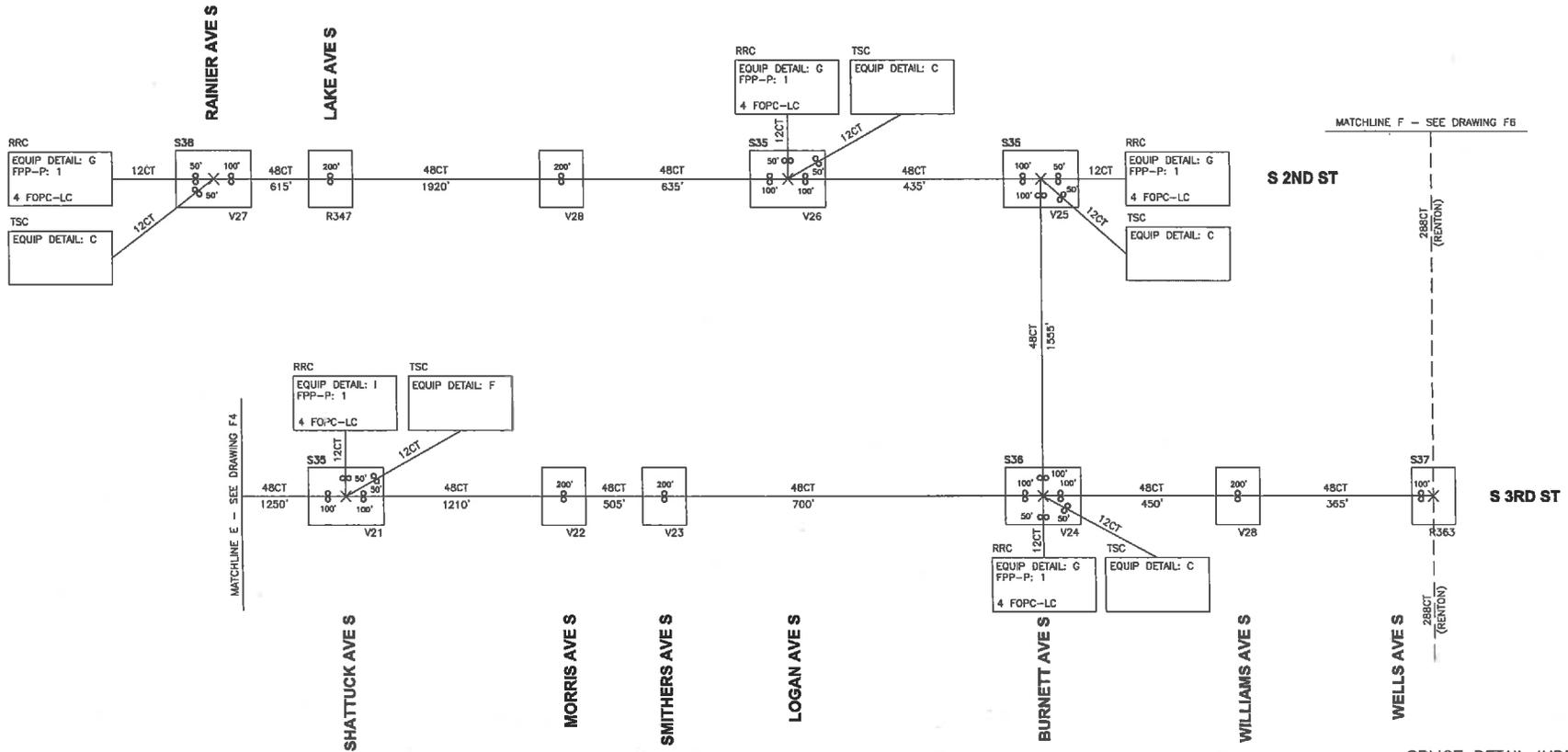
DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksassociates.com



DESIGNER: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: H. Yu	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	SIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY

King County
Department of Transportation

METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
FIBER OPTIC ROUTE SCHEMATIC	DRAWING NO.:
	F2
	SHEET NO. OF 141 197



LEGEND

∞	FIBER SLACK	S#	SPLICE DETAIL
×	FIBER SPLICE	X###	VAULT ID
RRTC	RAPIDRIDE TERMINATION CABINET	FPP-P	FIBER PATCH PANEL PATCHING
RRC	RAPIDRIDE ITS CABINET	— AF0 —	NEW AERIAL FIBER OPTIC CABLE
TSC	TRAFFIC SIGNAL CONTROLLER CABINET	— — —	NEW FIBER OPTIC CABLE IN CONDUIT
FOPC-LC	FIBER OPTIC PATCH CORDS LC CONNECTORS	---	EXISTING FIBER OPTIC CABLE
FOPC-SC	FIBER OPTIC PATCH CORDS SC CONNECTORS		

GENERAL NOTES

- SEE DRAWINGS E1-E3 FOR ITS EQUIPMENT DETAILS.
- FURNISH FIBER OPTIC PATCH CORDS PER SPECIFICATIONS AND PER QUANTITIES SHOWN IN FIBER OPTIC ROUTE SCHEMATIC.
- SEE DRAWING P1 FOR FIBER PATCHING TABLES AS REFERENCED BY FIBER PATCH PANEL PATCH NUMBER. PATCH TABLES PROVIDED AS REFERENCE ONLY. PATCHING TO BE COMPLETED BY OTHERS.

SPLICE DETAIL INDEX

SHATTUCK AVE S/S 3RD ST	S36
BURNETT AVE S/S 3RD ST	S38
BURNETT AVE S/S 2ND ST	S35
LOGAN AVE S/S 2ND ST	S35
RAINIER AVE S/S 2ND ST	S38
WELLS AVE S/S 3RD ST	S37

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
METRO PUBLIC SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

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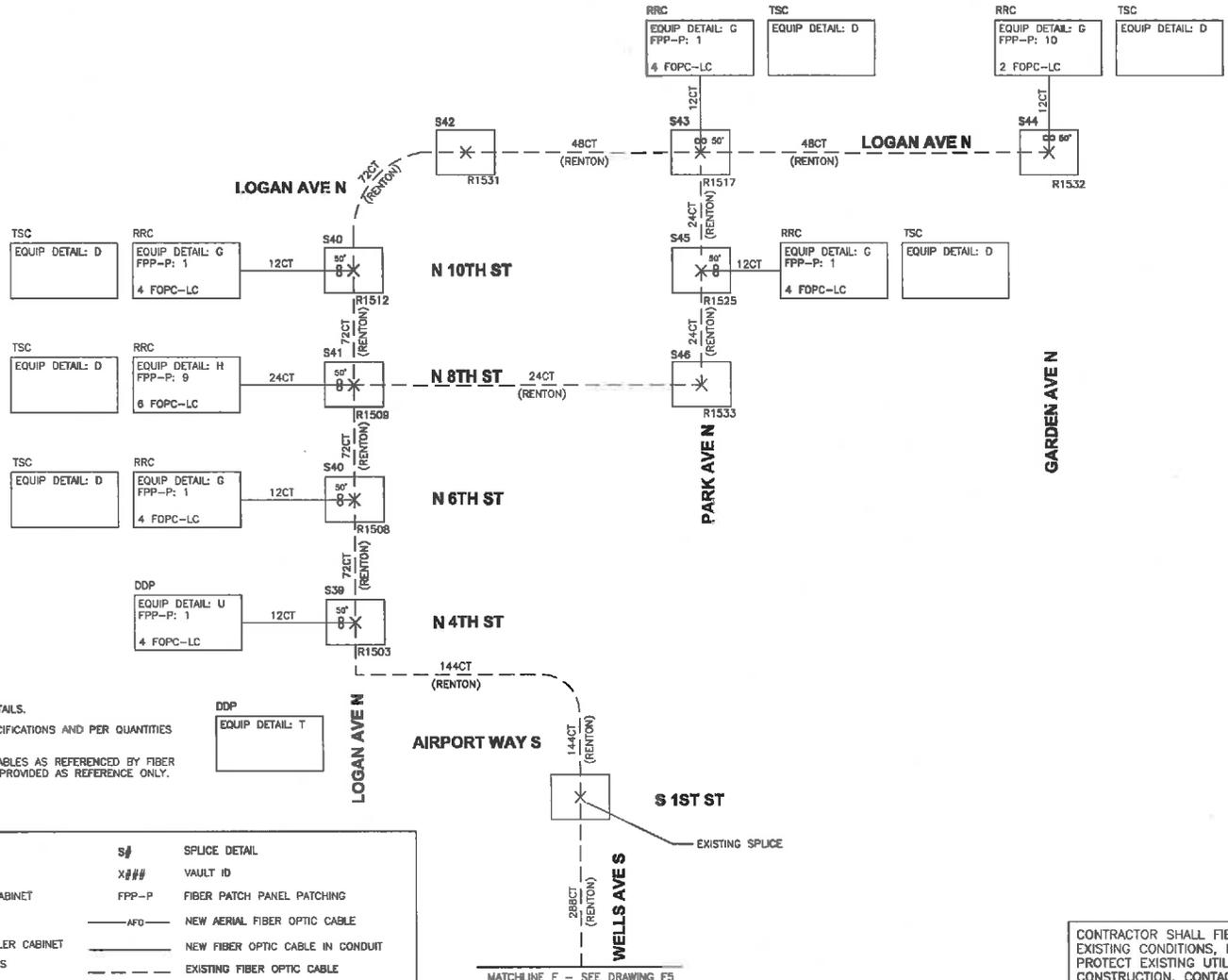
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DRAWN: H. Yu	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	CONTRACT NO.:	
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC ROUTE SCHEMATIC

DATE:	10/23/12
DRAWING NO.:	F5
SHEET NO. OF	144 197



GENERAL NOTES

- SEE DRAWINGS E1-E3 FOR ITS EQUIPMENT DETAILS.
- FURNISH FIBER OPTIC PATCH CORDS PER SPECIFICATIONS AND PER QUANTITIES SHOWN IN FIBER OPTIC ROUTE SCHEMATIC.
- SEE DRAWINGS P1-P2 FOR FIBER PATCHING TABLES AS REFERENCED BY FIBER PATCH PANEL PATCH NUMBER. PATCH TABLES PROVIDED AS REFERENCE ONLY. PATCHING TO BE COMPLETED BY OTHERS.

LEGEND

∞	FIBER SLACK	S/	SPLICE DETAIL
X	FIBER SPLICE	X###	VAULT ID
RRTC	RAPIDRIDE TERMINATION CABINET	FPP-P	FIBER PATCH PANEL PATCHING
RRC	RAPIDRIDE ITS CABINET	-AFD-	NEW AERIAL FIBER OPTIC CABLE
TSC	TRAFFIC SIGNAL CONTROLLER CABINET	---	NEW FIBER OPTIC CABLE IN CONDUIT
FOPC-LC	FIBER OPTIC PATCH CORDS LC CONNECTORS	---	EXISTING FIBER OPTIC CABLE
FOPC-SC	FIBER OPTIC PATCH CORDS SC CONNECTORS		

SPLICE DETAIL INDEX

LOGAN AVE N/N 4TH ST	S39
LOGAN AVE N/N 6TH ST	S40
LOGAN AVE N/N 8TH ST	S41
LOGAN AVE N/N 10TH ST	S40
LOGAN AVE N/PARKING GARAGE	S42
LOGAN AVE N/PARK AVE N	S43
LOGAN AVE N/GARDEN AVE N	S44
PARK AVE N/N 10TH ST	S45
PARK AVE N/N 8TH ST	S46

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

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UNDERGROUND SERVICE (USA)

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CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

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770 Second Ave, Suite 1250
Seattle, Washington 98104
(206) 382-4300
www.dksasoch.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	ISSUE REVISION: -	
	CONTRACT NO.:	
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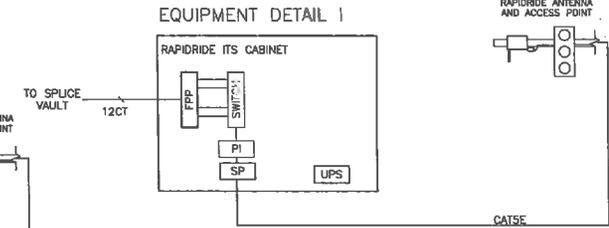
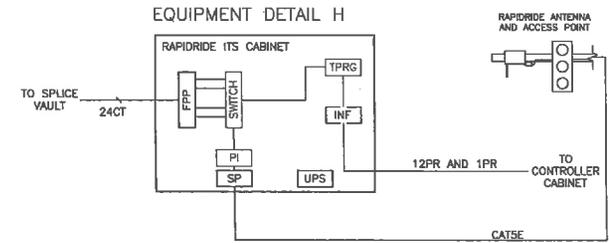
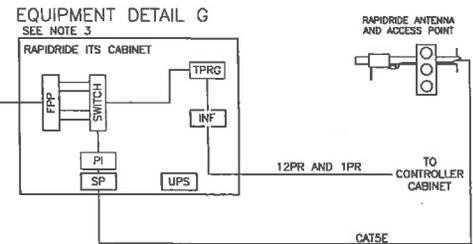
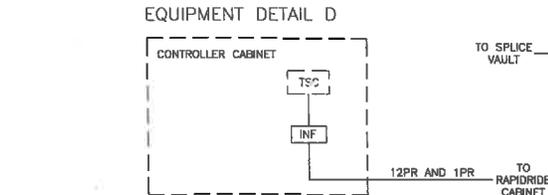
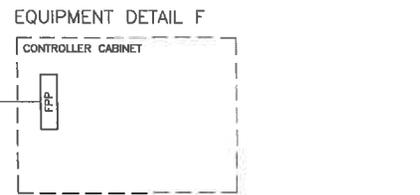
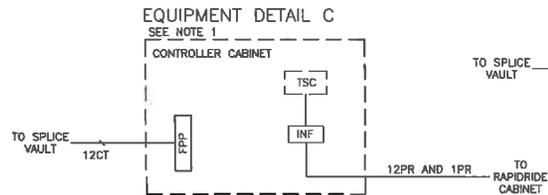
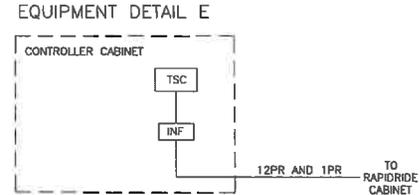
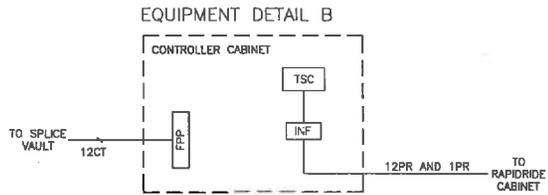
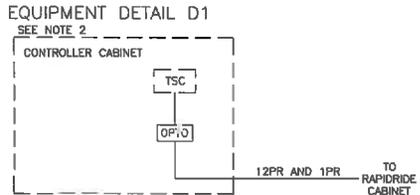
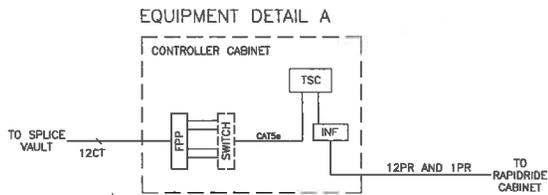
King County
Department of Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC ROUTE SCHEMATIC

DATE:	10/23/12
DRAWING NO.:	FG
SHEET NO. OF:	145 197

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 PLOT: Jun 21, 2012 10:52:46am By: mar



LEGEND					
CONTRACTOR FURNISH AND INSTALL	CONTRACTOR FURNISH	CONTRACTOR INSTALL	FURNISH AND INSTALL BY OTHERS	EXISTING	
					TRAFFIC SIGNAL CONTROLLER
					FIBER ETHERNET SWITCH
					FIBER PATCH PANEL
					TPRG CONTROLLER
					INTERFACE PANEL
					POWER INJECTOR
					SURGE PROTECTOR
					UNINTERRUPTIBLE POWER SUPPLY
					OPTO-ISOLATOR BOARD
					NEW FIBER

- NOTES:**
- FOR THE INTERSECTION OF S 7TH ST/LND, THE FIBER DROP SHALL BE A 24CT.
 - FOR THE INTERSECTION OF S 154TH ST/INTERNATIONAL BLVD, THE 12PR AND 1PR ARE PULLED TO THE RAPIDRIDE CABINET AT THE INTERSECTION OF SOUTHCENTER BLVD/TIBS.
 - FOR THE INTERSECTIONS OF RAINIER/GRADY, RAINIER/S 4TH PL, AND RAINIER/S 3RD ST, THE CONTRACTOR SHALL FURNISH EQUIPMENT IN THE EXISTING RAPIDRIDE ITS CABINET.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNASSISTED SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 462-8800
www.thesecondline.com



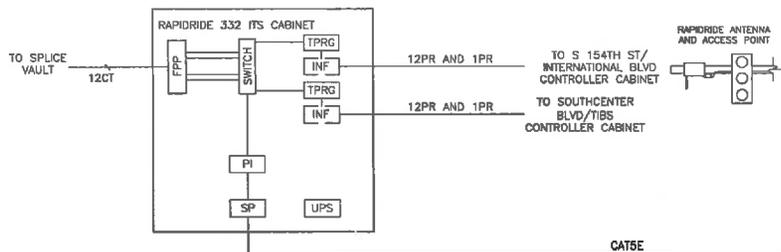
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DRAWN: H. Yu	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED:	CONTRACT NO.:
		CO0759C12



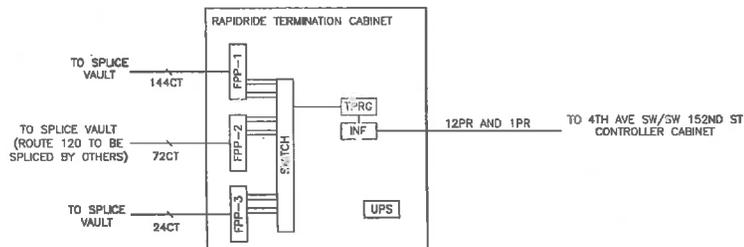
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
ITS EQUIPMENT DETAILS

DATE:	10/23/12
DRAWING NO.:	E1
SHEET NO. OF	145 197

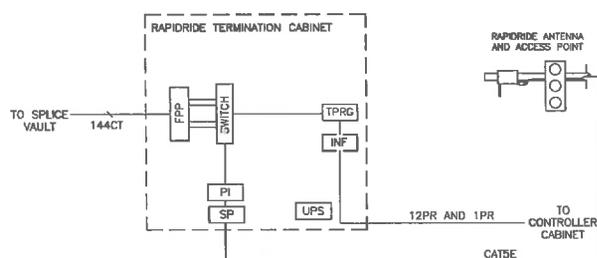
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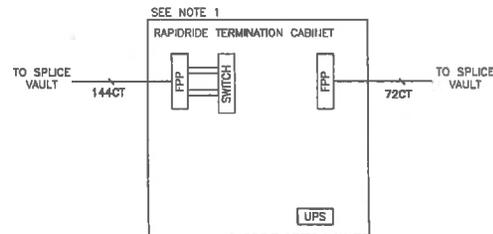
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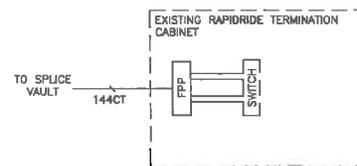
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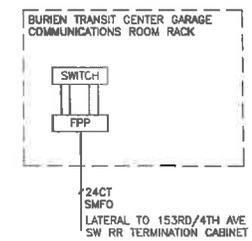
EQUIPMENT DETAIL M



EQUIPMENT DETAIL N



EQUIPMENT DETAIL O



LEGEND

CONTRACTOR FURNISH AND INSTALL	CONTRACTOR FURNISH	CONTRACTOR INSTALL	FURNISH AND INSTALL BY OTHERS	EXISTING	
TSC	TSC	TSC	TSC	TSC	TRAFFIC SIGNAL CONTROLLER
SWITCH	SWITCH	SWITCH	SWITCH	SWITCH	FIBER ETHERNET SWITCH
FPP	FPP	FPP	FPP	FPP	FIBER PATCH PANEL
TPRG	TPRG	TPRG	TPRG	TPRG	TPRG CONTROLLER
INF	INF	INF	INF	INF	INTERFACE PANEL
PI	PI	PI	PI	PI	POWER INJECTOR
SP	SP	SP	SP	SP	SURGE PROTECTOR
UPS	UPS	UPS	UPS	UPS	UNINTERRUPTIBLE POWER SUPPLY
				xxCT	NEW FIBER

NOTES:

- INSTALL 144CT PANEL TO FRONT DOOR OF CABINET AND 72CT PANEL TO REAR DOOR OF CABINET.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
METRO BOARD SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR/MCP 1/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: M. Powers	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: H. Yu	ISS NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: M. Powers	ISS REVISION: --	
	CONTRACT NO: CO0759C12	



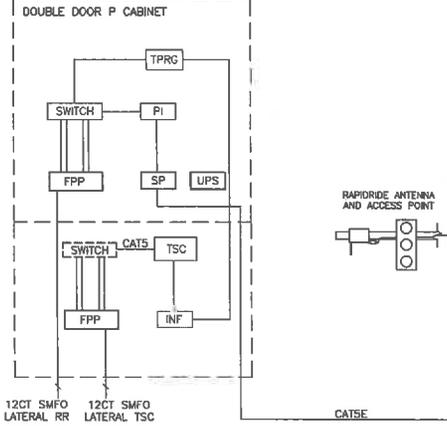
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
ITS EQUIPMENT DETAILS

DATE: 10/23/12
DRAWING NO: E2
SHEET NO: OF 147 197

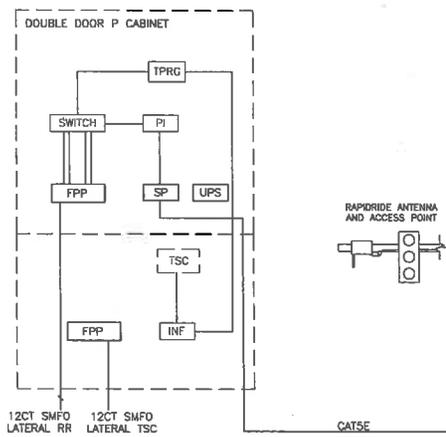
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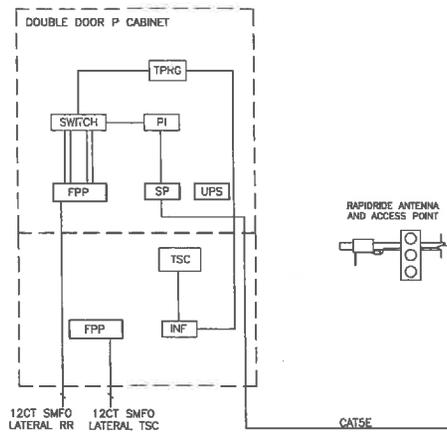
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SEE NOTE 1



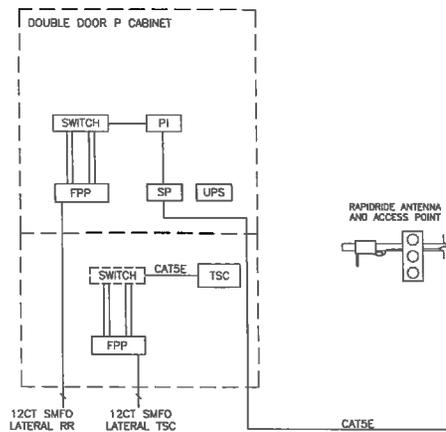
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EQUIPMENT DETAIL Q



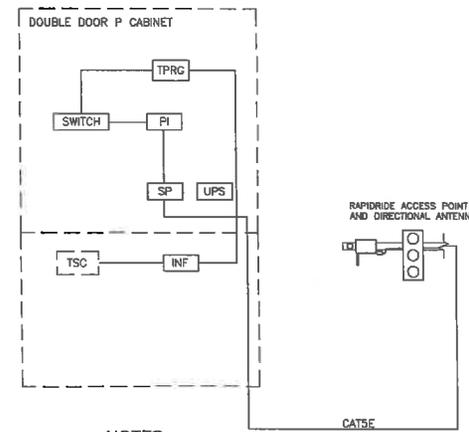
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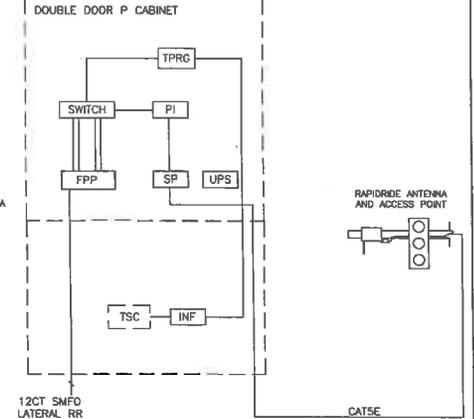
LEGEND

CONTRACTOR FURNISH AND INSTALL	CONTRACTOR FURNISH	CONTRACTOR INSTALL	FURNISH AND INSTALL BY OTHERS	EXISTING	
TSC	TSC	TSC	TSC	TSC	TRAFFIC SIGNAL CONTROLLER
SWITCH	SWITCH	SWITCH	SWITCH	SWITCH	FIBER ETHERNET SWITCH
FPP	FPP	FPP	FPP	FPP	FIBER PATCH PANEL
TPRG	TPRG	TPRG	TPRG	TPRG	TPRG CONTROLLER
INF	INF	INF	INF	INF	INTERFACE PANEL
PI	PI	PI	PI	PI	POWER INJECTOR
SP	SP	SP	SP	SP	SURGE PROTECTOR
UPS	UPS	UPS	UPS	UPS	UNINTERRUPTIBLE POWER SUPPLY
				---x---	NEW FIBER

EQUIPMENT DETAIL T



EQUIPMENT DETAIL U
SEE NOTE 2



NOTES:

- FOR THE INTERSECTION OF 4TH AVE SW/SW 153RD ST THE CONTRACTOR SHALL INSTALL KING COUNTY ROADS FURNISHED DDP CABINET WITH EQUIPMENT AS SHOWN IN EQUIPMENT DETAIL P.
- FOR THE INTERSECTION OF LOGAN AVE N/N 4TH ST THE CONTRACTOR SHALL INSTALL CITY FURNISHED DDP CABINET WITH EQUIPMENT AS SHOWN IN EQUIPMENT DETAIL U.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USG)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS 719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 462-4300
www.dksseco.com



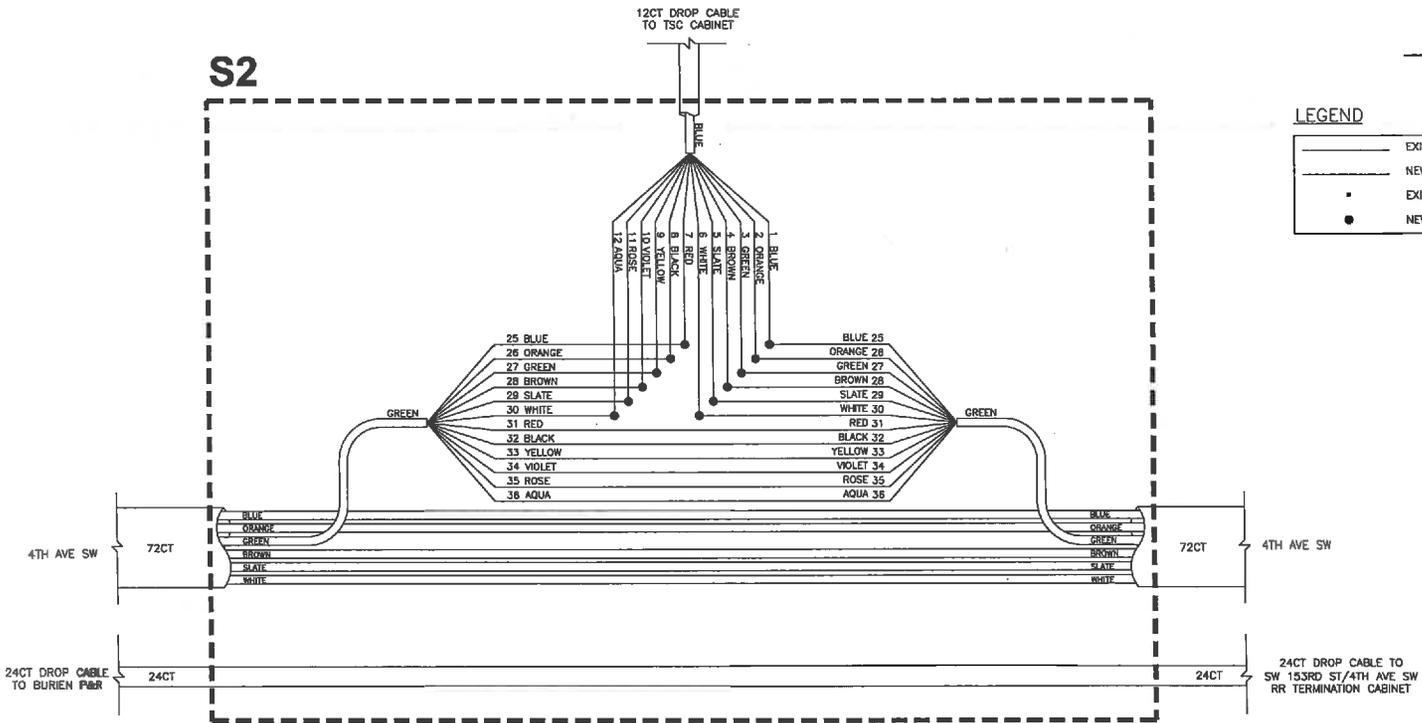
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: H. Yu	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	SIS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	WWW REQUEST: -	
	CONTRACT NO.:	
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
ITS EQUIPMENT DETAILS

DATE:	10/23/12
DRAWING NO.:	E3
SHEET NO. OF:	148 197

S2



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

4TH AVE SW/152ND ST - V2

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
METROPHONE SERVICE (USA)

Call before you Dig.

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dkanecolins.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: S. Rahman	APPROVED:	SHEET LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	
RECOMMENDED:	ISSUE REQUEST:	
	CONTRACT NO.:	C00759C12

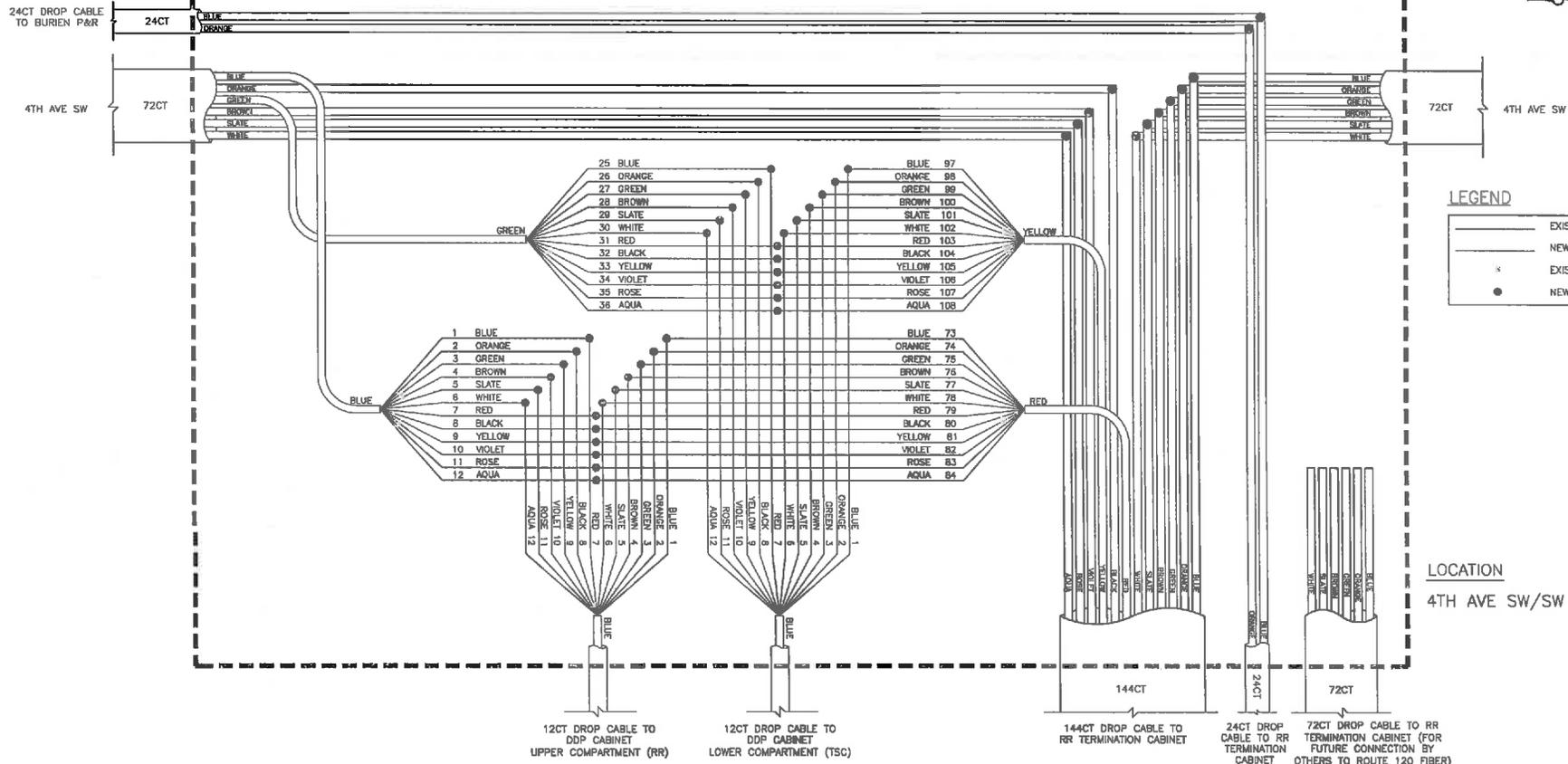


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S2
SHEET NO. OF	150 197

S3



LEGEND

- EXISTING FIBER
- NEW FIBER
- * EXISTING SPLICE
- NEW SPLICE

LOCATION
4TH AVE SW/SW 153RD ST - V3

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION	MDR	MCP	1/22/13
No.	REVISION	BY	APP'D. DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rohman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	SER. NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO.:	
	CO0759C12	



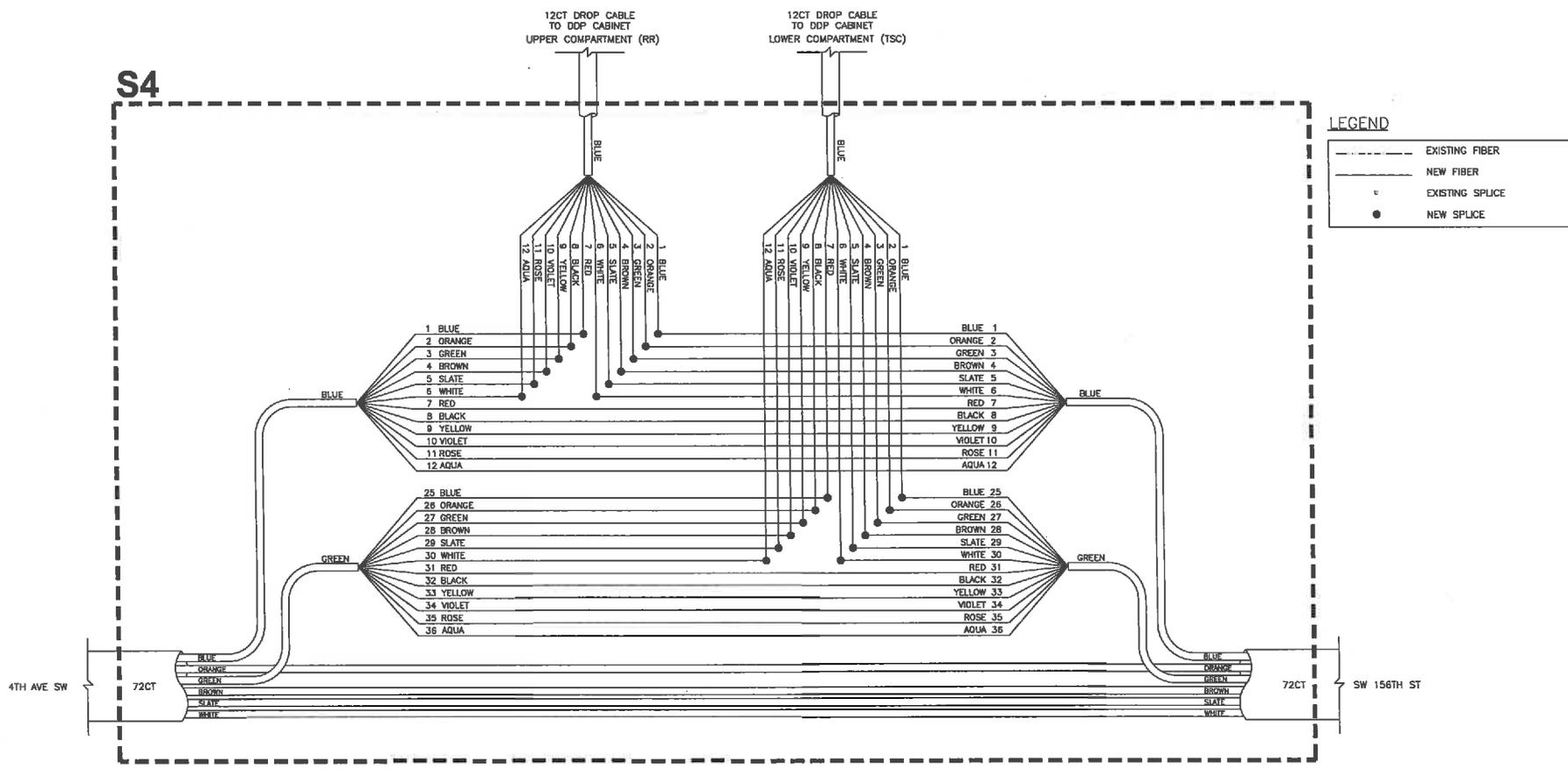
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S3
SHEET NO. OF:	151 197

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 PLOTED: Jan 21, 2013 - 03:35:07 pm By mdr

I:\AD\Projects\11\1153-000 MC F - Line Replication\CAD\dwg\Splice\BETA\S4.dwg | Layout: S4
 PLOTED: Sun 2/1, 2015 10:53:14pm By: nml



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
4TH AVE SW/SW 156TH ST - V4

GENERAL NOTES
1. SEE DRAWING P1 FOR FIBER PATCHING.

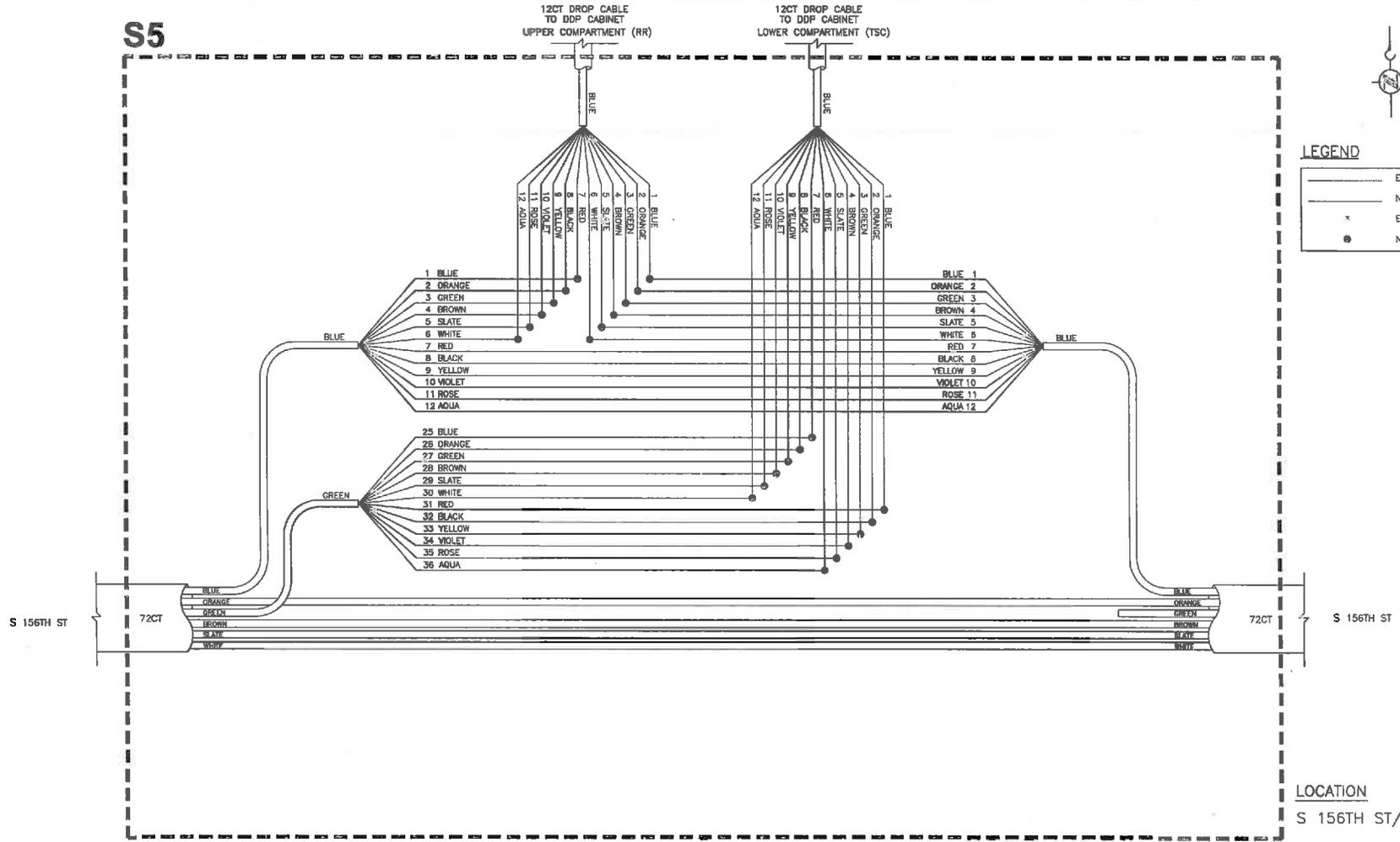
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
(UNDERGROUND SERVICE ONLY)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	 119 Second Ave., Suite 1200 Seattle, Washington 98104 (206) 362-4300 www.dksinc.com	 METRO King County Metro	DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:	METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
							DRAWN: S. Rehman CHECKED: M. Powers RECOMMENDED: -	APPROVED: - METRO NO.: - KING COUNTY NO.: - CONTRACT NO.: C00759C12	ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		KING COUNTY Department of Transportation
No.	REVISION	BY	APP'D	DATE							

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 PLOTED: Jun 21, 2013 03:58:17pm By: mfr

S5



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

S 156TH ST/1ST AVE S - V5

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 718 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 282-0800
 www.dksassociates.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: M. Powers	IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO: C00759C12		

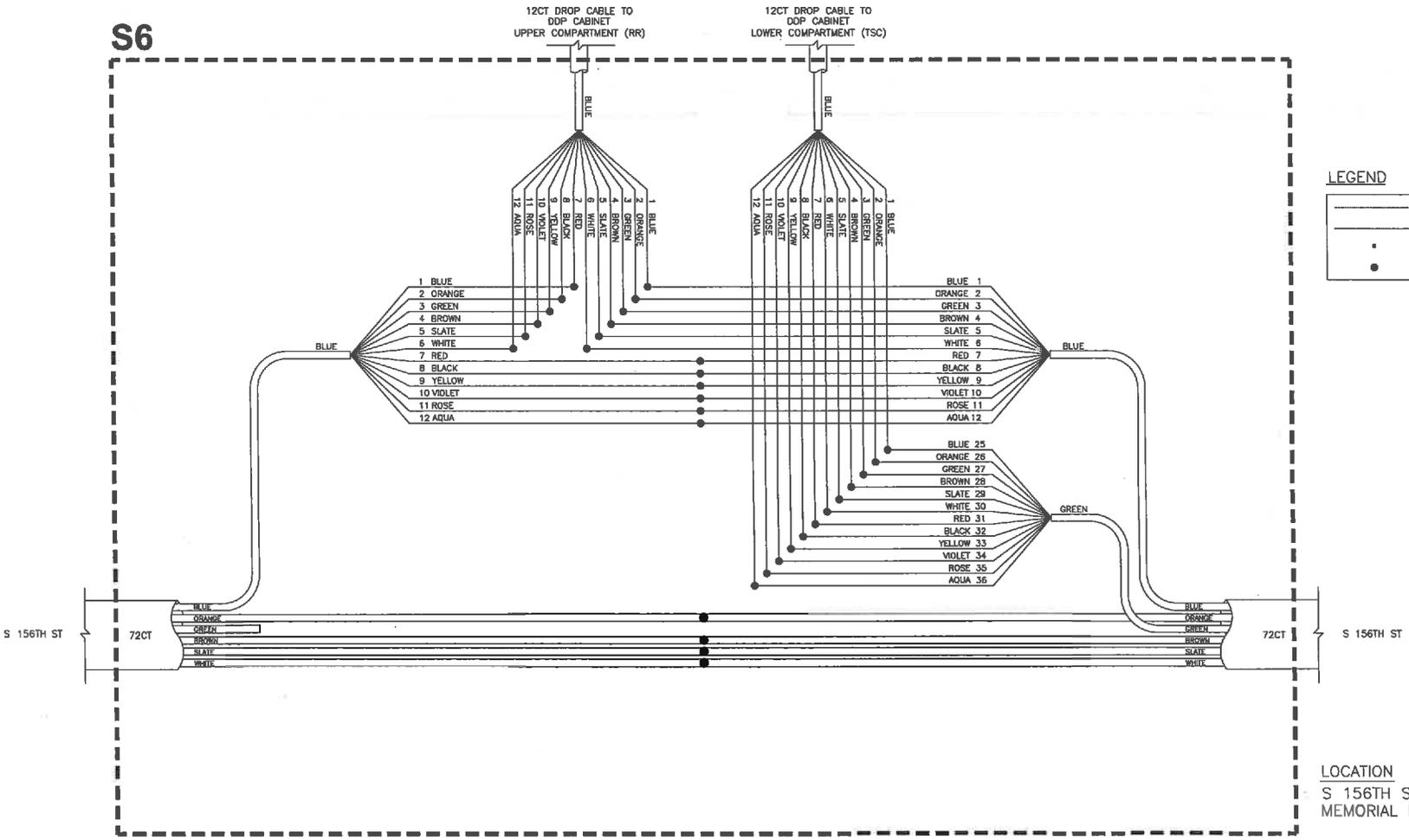


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**FIBER OPTIC
 SPLICE DIAGRAM**

DATE: 10/23/12
DRAWING NO: S5
SHEET NO. OF 153 197

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 PLOTTED: Jun 21, 2013 03:32:29pm By: mfr

S6



LEGEND

- EXISTING FIBER
- NEW FIBER
- EXISTING SPLICE
- NEW SPLICE

LOCATION
 S 156TH ST/DES MOINES
 MEMORIAL DR - V6

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
 UNDERGROUND SERVICE (USA)

- GENERAL NOTES**
- SEE DRAWING P1 FOR FIBER PATCHING.
 - FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 342-8820
 www.dksinc.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED:	IF NOT ONE INCH, SCALE ACCORDINGLY
CHECKED: M. Powers	CONTRACT NO.: C00759C12	
RECOMMENDED:		

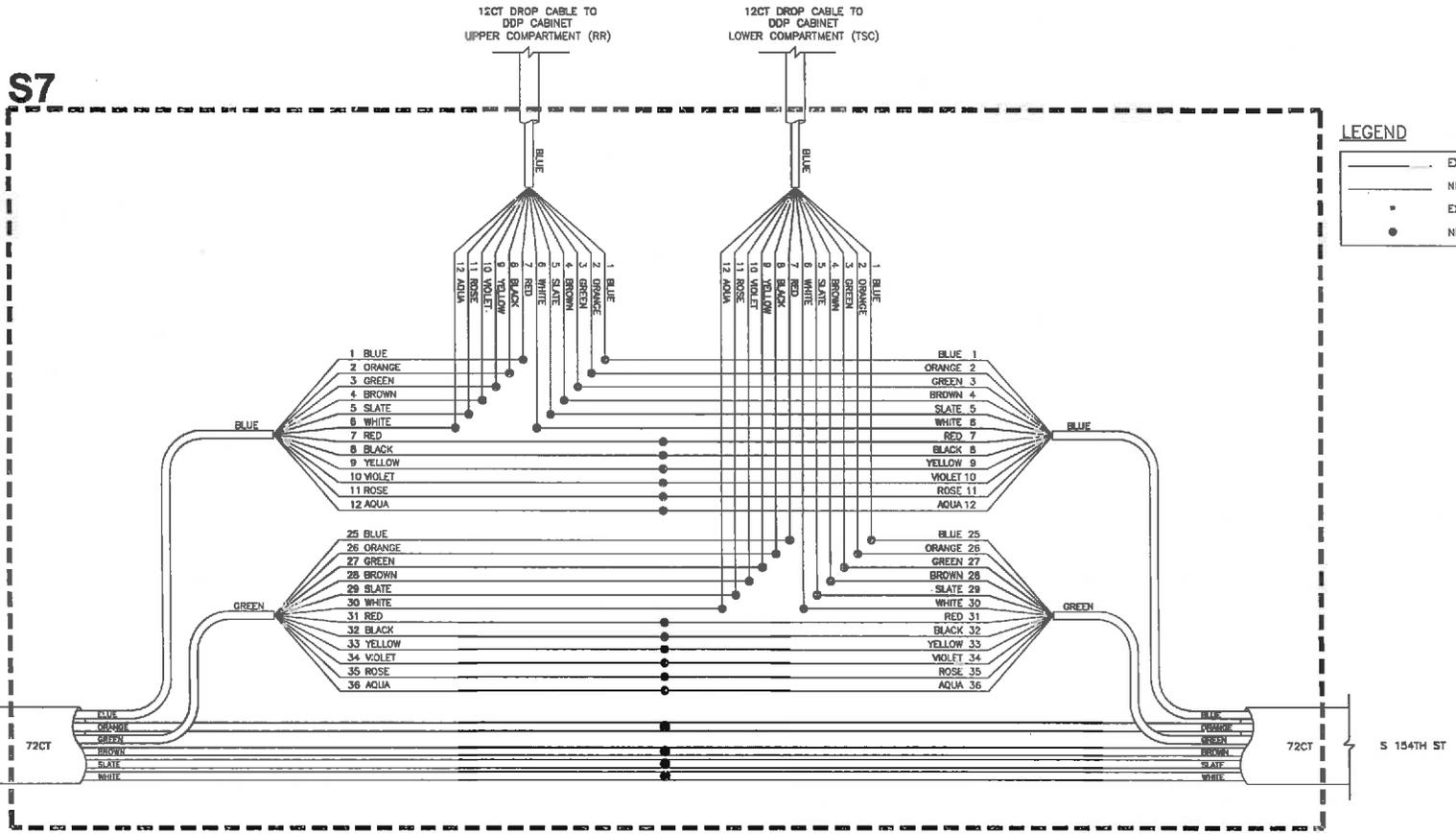
METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

King County
 Department of Transportation

FIBER OPTIC SPLICE DIAGRAM

DATE: 10/23/12
 DRAWING NO: S6
 SHEET NO: OF 154 197

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 PLOTED: Jan 21, 2012 0:32:39pm By: mfr



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
S 154TH ST/24TH AVE S - V7

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 342-0800
www.dksassociates.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED:	ONE INCH AT FULL SIZE ---"---" IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO.:	CONTRACT NO.:	
	C00759C12	

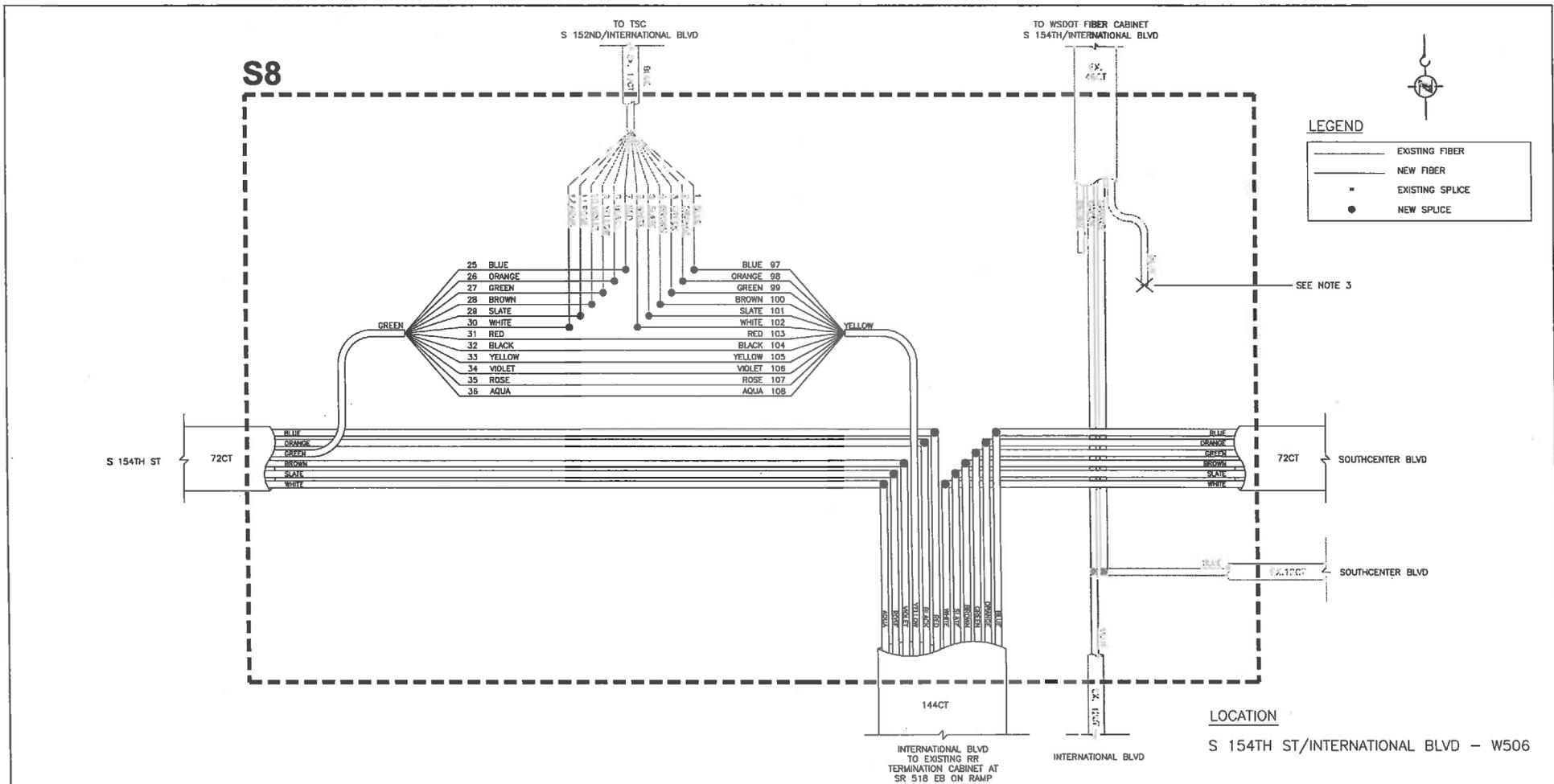


METRO TRANSIT DIVISION
F LINE RAPIDRIDE JTS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S7
SHEET NO. OF	155 197

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 PLOTTED: Sun 21, 2011 10:35:39am By mdr



GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.
- RESPLICE FIBERS FOR SIGNAL INTERCONNECT FOR THE INTERSECTION OF INTERNATIONAL BLVD/S152ND ST. CUT EXISTING 12CT FIBER TO S152ND ST TSC FROM BLUE TUBE OF THE EXISTING 48CT FIBER CABLE AND RESPLICE AS SHOWN IN DETAIL.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
IMPROVING SERVICE (KSA)

Call before you Dig.

CONFIRMED FOR CONSTRUCTION		MDR MCP 1/22/13	719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 362-9900 www.dksasectrust.com		DESIGNED: M. Powers DATE:	PROJECT MANAGER: M. Powers APPROVED:	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
No. REVISION		BY APP'D DATE			CHECKED: M. Powers RECOMMENDED:	CONTRACT NO: C00759C12	SITE LOCATION NO.:		DRAWING NO: S8	SHEET NO. OF: 156 197

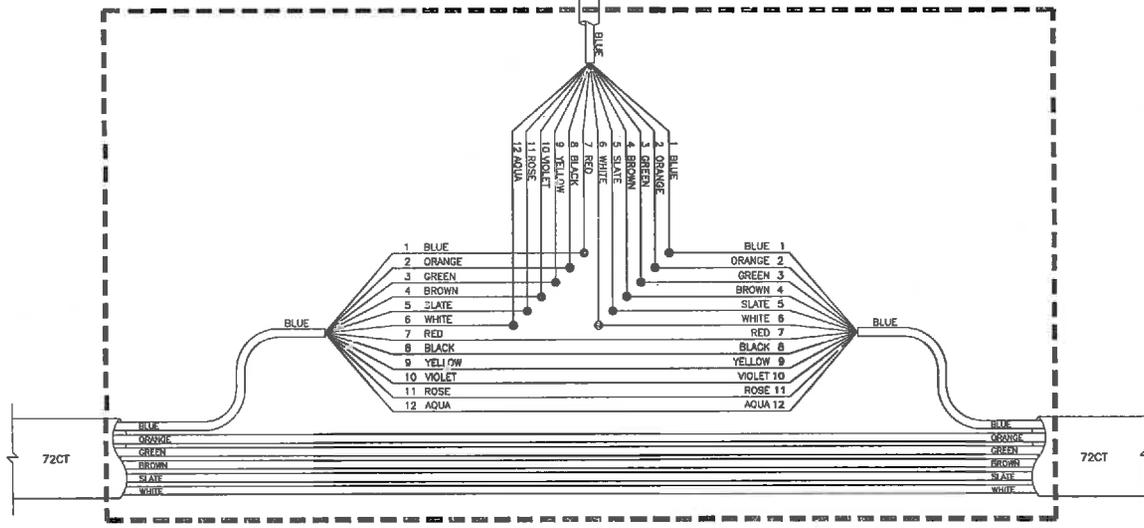
S9

12CT DROP CABLE TO RR CABINET



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



LOCATIONS

- S 154TH ST/14TH AVE S - S052
- SOUTHCENTER BLVD/TIBS - T102
- SOUTHCENTER BLVD/MACADAM RD S - T302
- SOUTHCENTER BLVD/61ST AVE S - T405

GENERAL NOTES

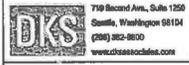
- 1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
INFORMATION SERVICE (854)

CONFORMED FOR CONSTRUCTION	MDR	MCP	1/22/13
No.	REVISION	BY	APP'D DATE



DESIGNED: M. Powers	PERMIT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rohman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	CONTRACT NO.:	
	C00759C12	



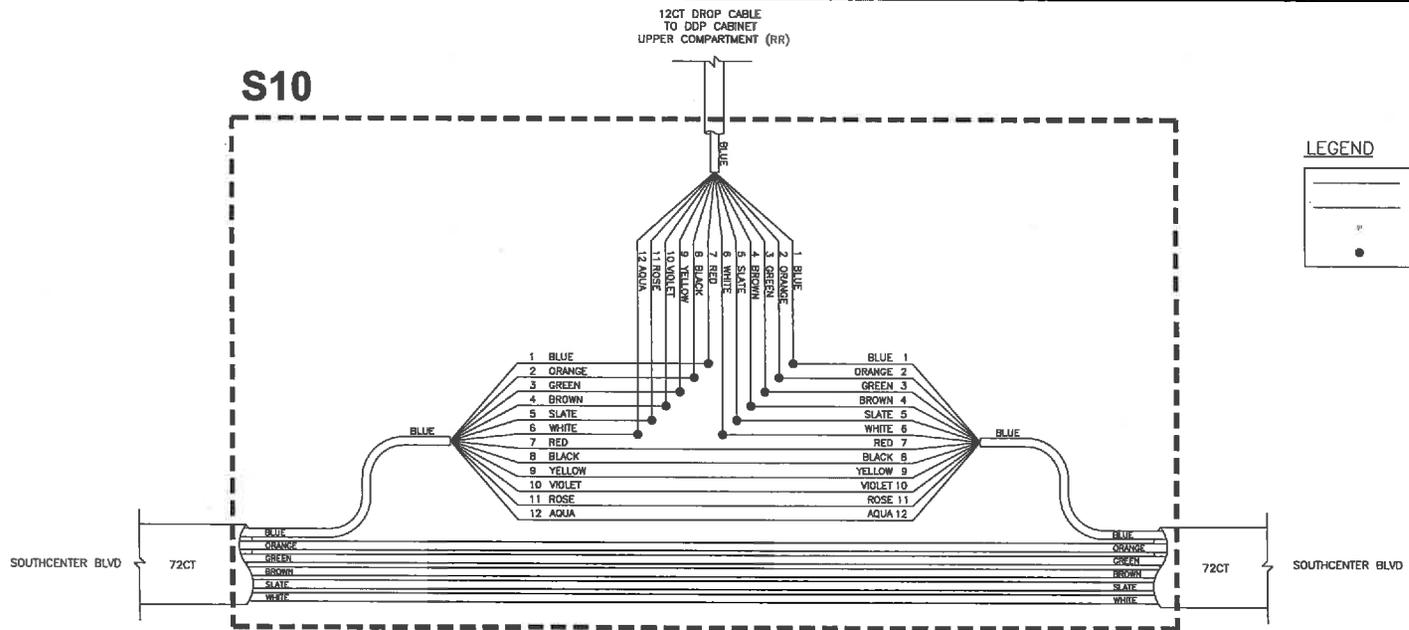
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
SPlice DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S9
SHEET NO. OF:	157 197

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 PLOTTED: Jun 21, 2012 - 03:38:41pm By: mdr



LOCATION
 SOUTHCENTER BLVD/42ND AVE S - T205

GENERAL NOTES
 1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY
 EXISTING CONDITIONS, LOCATE &
 PROTECT EXISTING UTILITIES DURING
 CONSTRUCTION. CONTACT KING
 COUNTY METRO IF DISCREPANCIES
 ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNIFORMED SERVICES (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 382-8800
www.dksinc.com



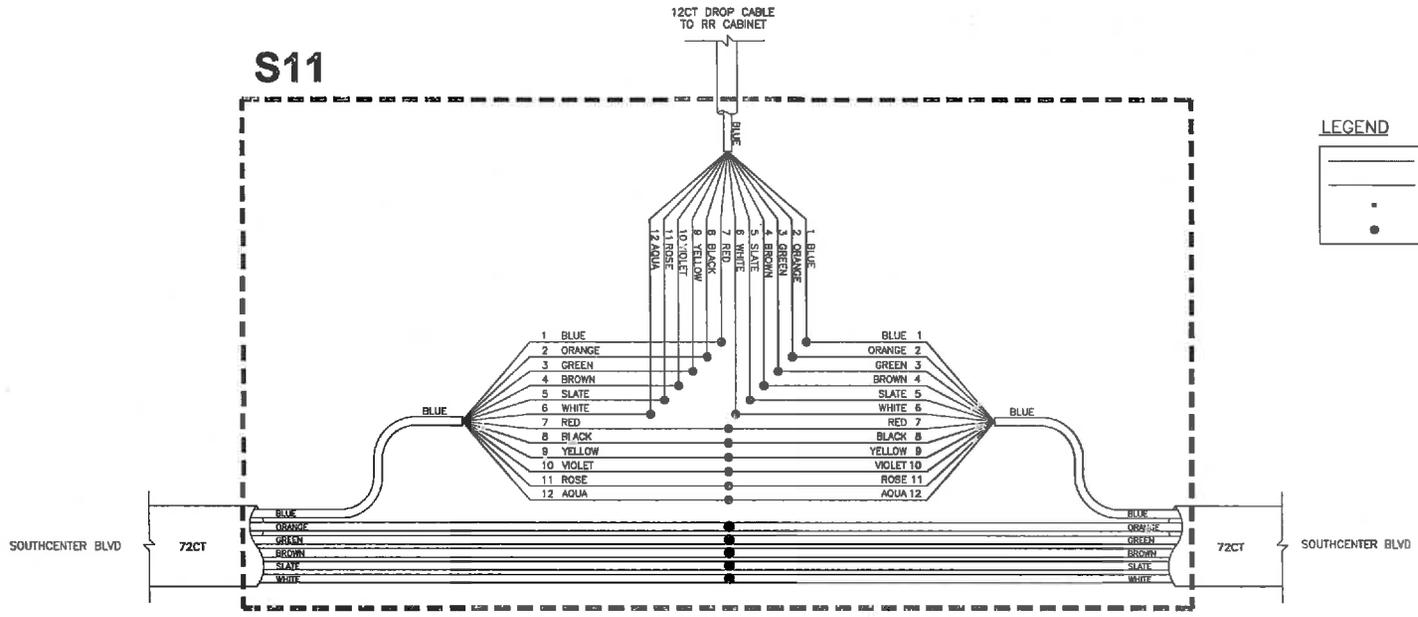
DESIGNER: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rohman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO.:	
	CO0759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
 SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S10
SHEET NO. OF	158 197



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
SOUTHCENTER BLVD/53RD AVE S - T203

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (UGS)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
119 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksr.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	SIS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

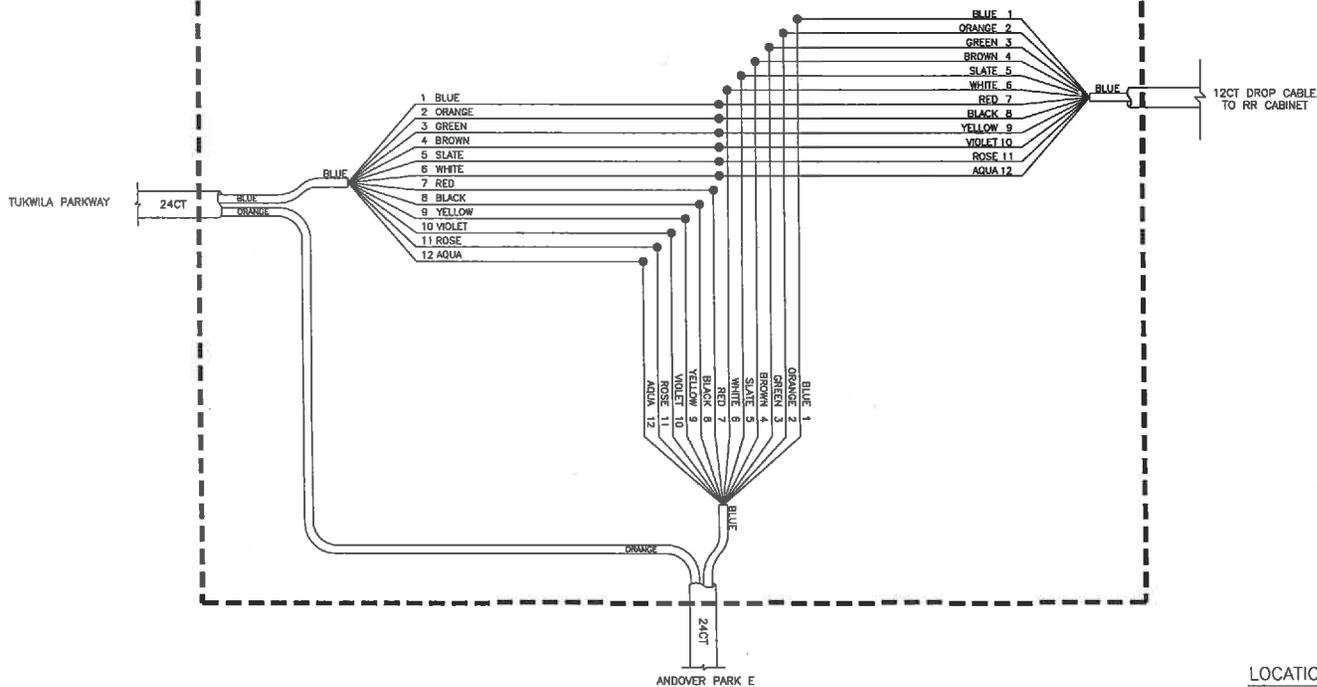
**FIBER OPTIC
SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S11
SHEET NO. OF	159 197

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 PLOTTED: Jan 21, 2013 03:36:01 pm By: mdr

S14



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

TUKWILA PARKWAY/ANDOVER PARK E - T501

GENERAL NOTES

1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1220
Seattle, Washington 98104
(206) 362-6800
www.dksconsulting.com



DESIGNED: M. Powers	PROJECT NUMBER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED:	IF NOT ONE INCH, SCALE ACCORDINGLY
CHECKED: M. Powers	SIS NO.:	
RECOMMENDED:	DATE REQUIRED: -	
	CONTRACT NO.:	
	CO0759C12	



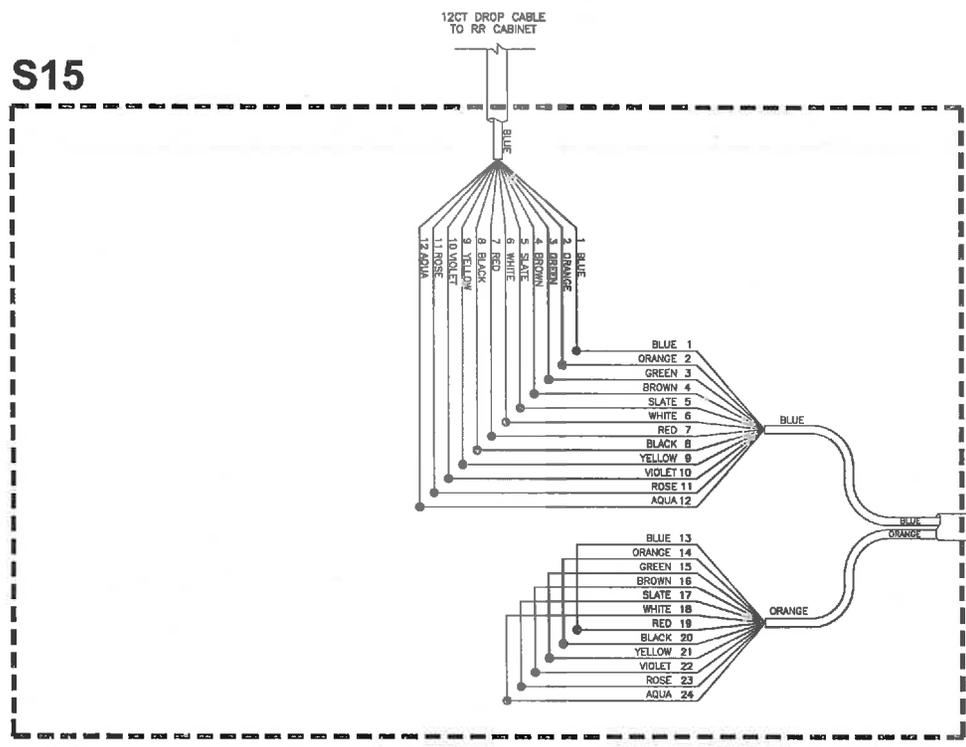
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S14
SHEET NO. OF:	162 197

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 PLOT:ED, Jan 21, 2:13:03PM:76pm By: mdr

S15



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
 TUKWILA PARKWAY/ANDOVER PARK W - V9

GENERAL NOTES
 1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE (UGS)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 462-8800
 www.dksassociates.com



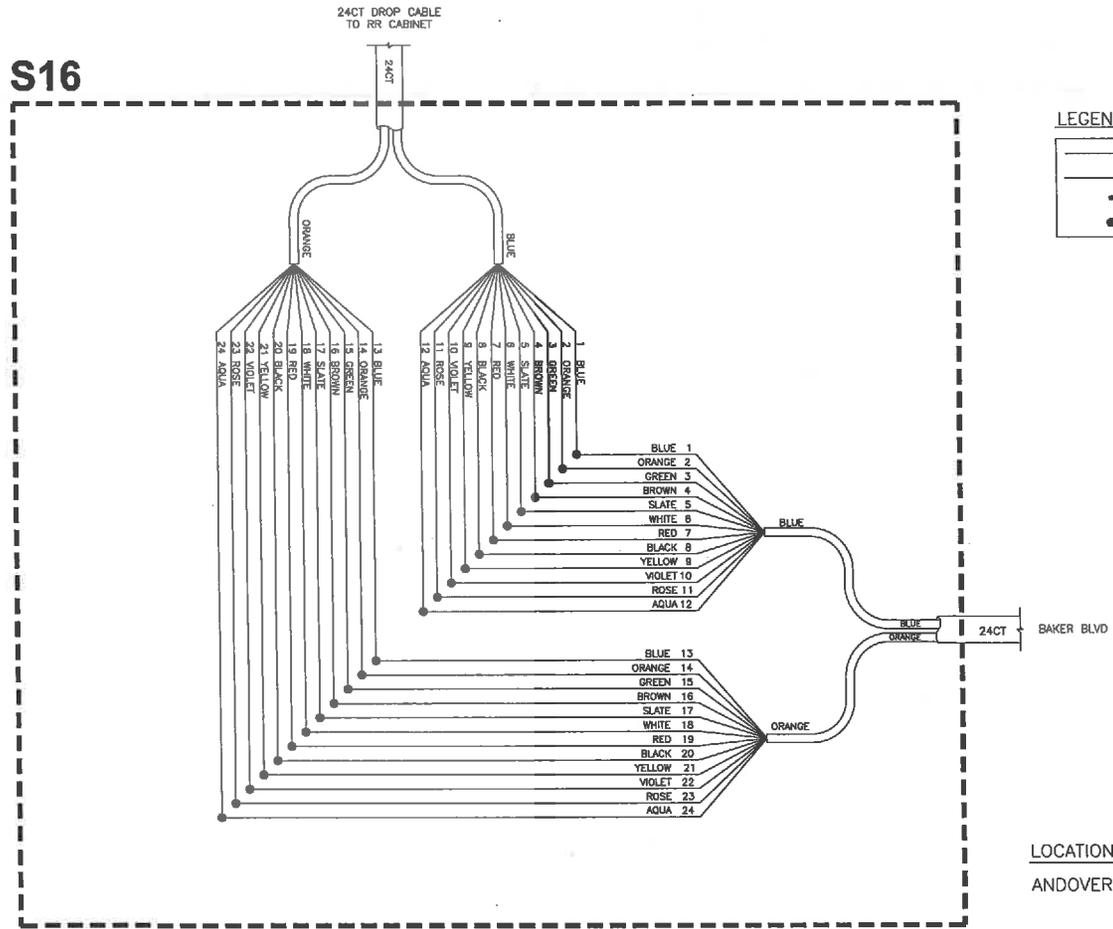
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SIZE LOCATION NO:
CHECKED: M. Powers	SHEET NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE ISSUED:	1" = 1'
	CONTRACT NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CO0759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
 SPLICE DIAGRAM**

DATE	10/23/12
DRAWING NO.	S15
SHEET NO. OF	163 197



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

ANDOVER PARK W/BAKER BLVD - T801

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
METRO SERVICE (USA)

Call before you Dig.

GENERAL NOTES

- SEE DRAWING P2 FOR FIBER PATCHING.

CONFORMED FOR CONSTRUCTION		BDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 382-4300
www.dksassociates.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISSUE REVISION: --	IF NOT ONE INCH, SCALE ACCORDINGLY.
	CONTRACT NO.:	
	CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPlice DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S16
SHEET NO. OF	164 197

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 PLOTTED: Jan 21, 2013 10:38:18am By: mdr

S17

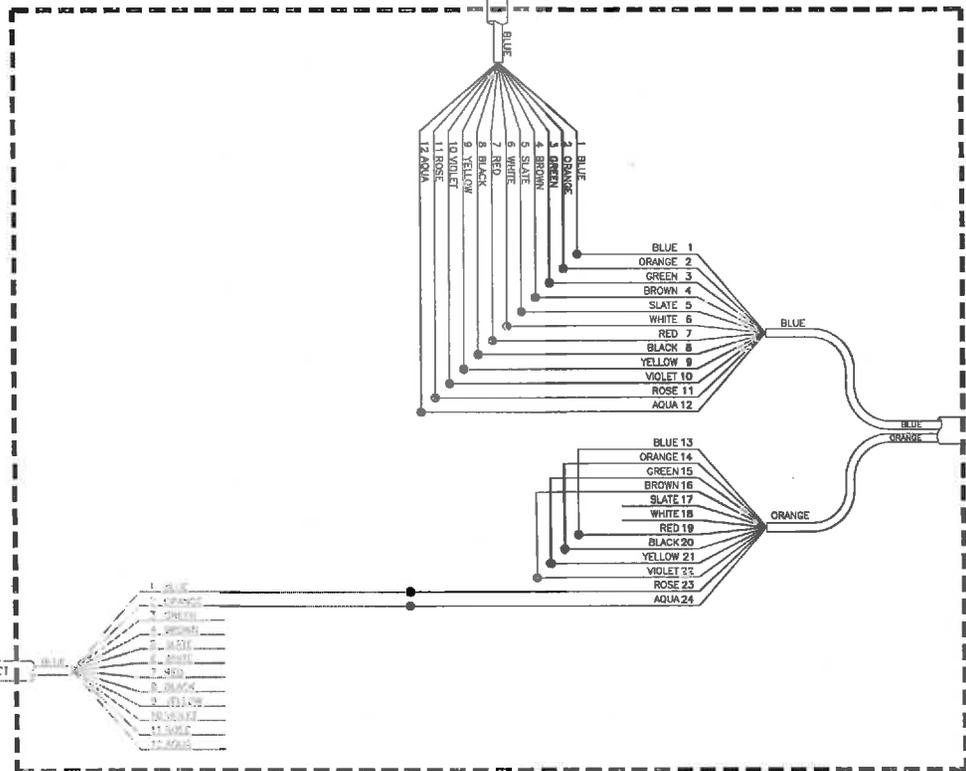
12CT DROP CABLE
TO DOP CABINET
UPPER COMPARTMENT (RR)



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

12CT LATERAL FROM CITY OF
TUKWILA FIBER SPLICE
ENCLOSURE IN SAME VAULT AS
NEW SPLICE ENCLOSURE
(BACKHAUL CONNECTION TO
S 180TH/SOUTHCENTER PKWY)



24CT STRANDER BLVD

LOCATION
ANDOVER PARK W/STRANDER BLVD - T901

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY
EXISTING CONDITIONS, LOCATE &
PROTECT EXISTING UTILITIES DURING
CONSTRUCTION. CONTACT KING
COUNTY METRO IF DISCREPANCIES
ARE FOUND.

1-800-424-5555
METRO TRANSIT SERVICE (USA)

Call before you Dig.

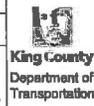
CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1330
Seattle, Washington 98104
(206) 382-0800
www.dksaasoft.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers
DRAWN: S. Rehman	APPROVED:
CHECKED: M. Powers	ISS NO.:
RECOMMENDED:	ISSUE REASON:
	CONTRACT NO.:
	CO0759C12

SCALE:
ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY



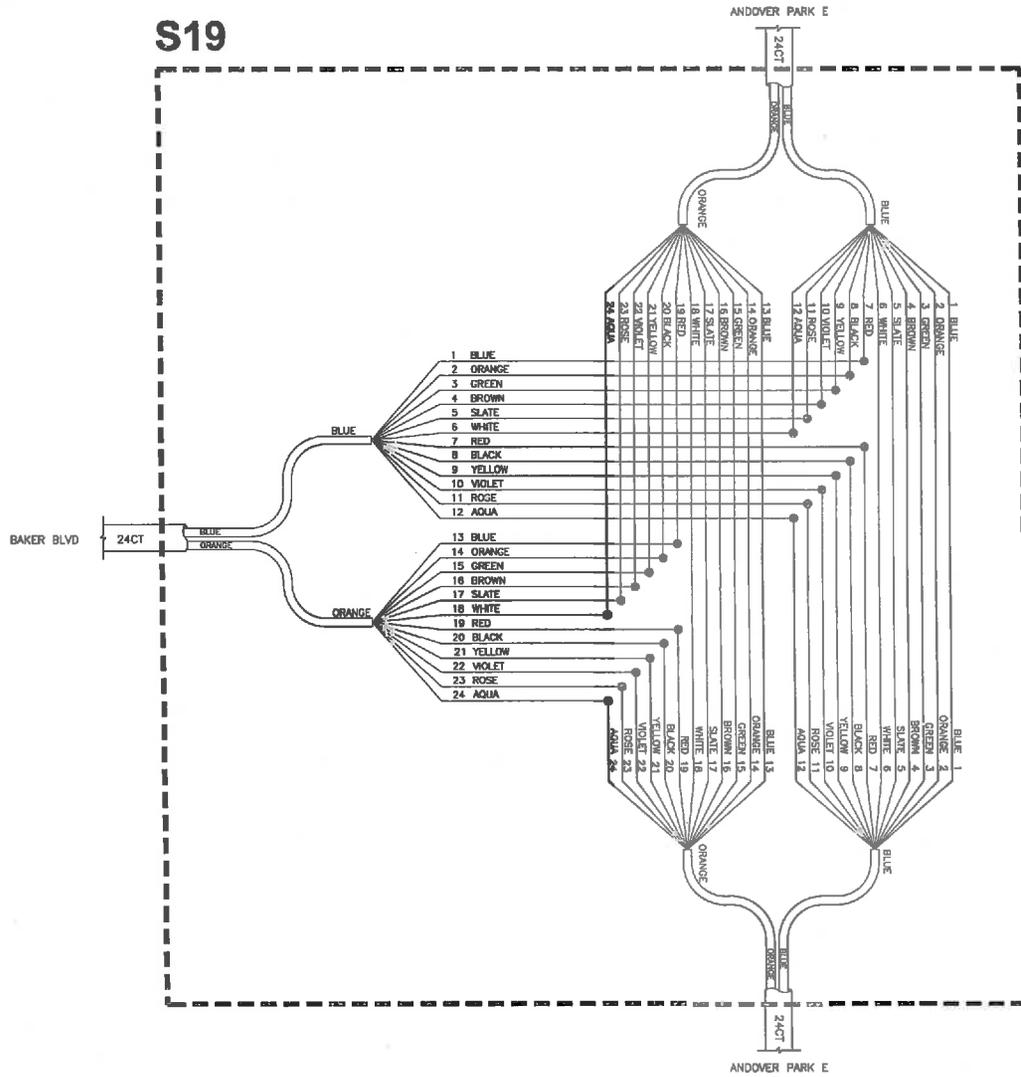
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S17
SHEET NO. OF:	185 197

H:\p\Projects\11163-000 MC F-Line RapidRide\CAD\Map\Comformed Sat\SPICE DETAILS.dwg | Layout: S19
 PLOTED: Jan 21, 2013 - 03:36:27pm by mcr

S19



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

BAKER BLVD/ANDOVER PARK E - T807

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Robtson	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	DATE REVISION: -	
	CONTRACT NO.:	
	C00759C12	

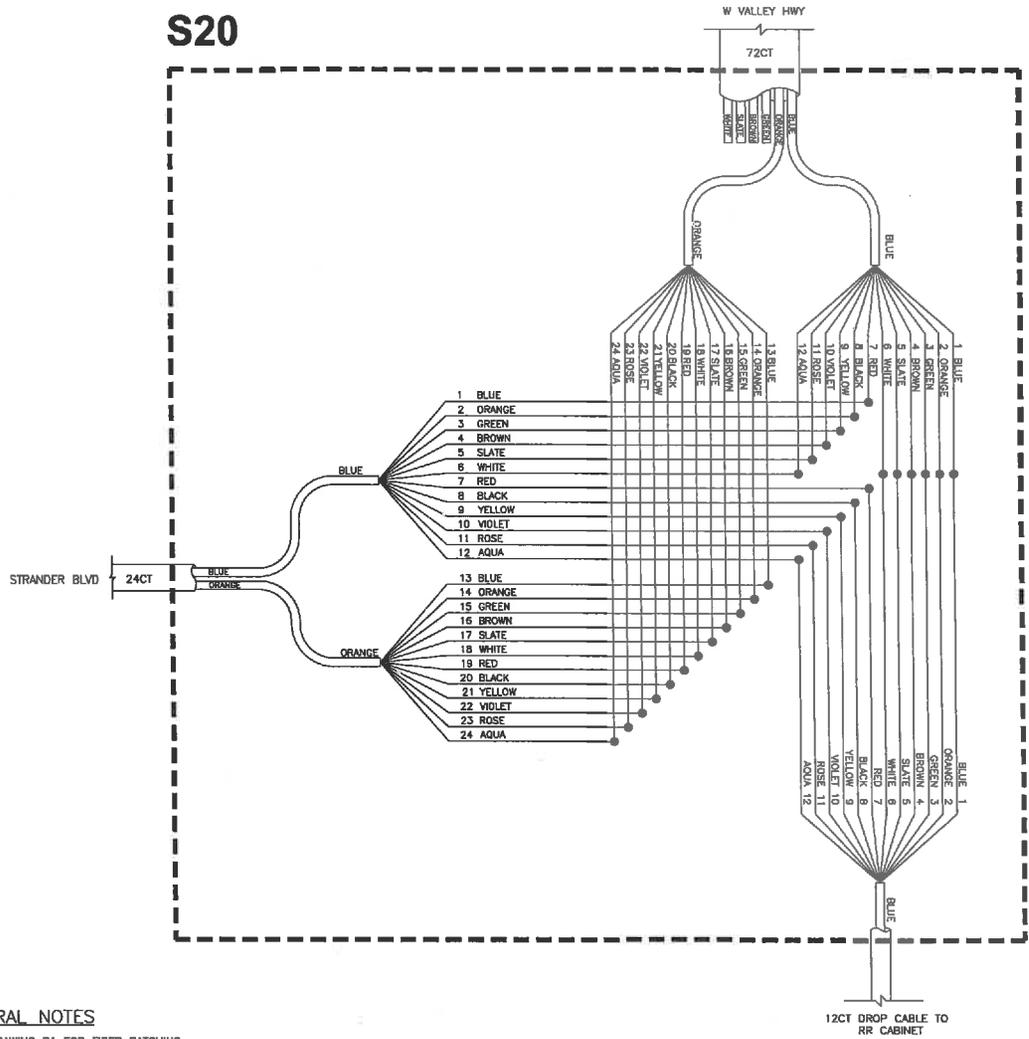


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S19
SHEET NO. OF	167 197

S20



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

STRANDER BLVD/WEST VALLEY HWY (SR 181) - V11

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

H:\G:\Projects\11\1183-000 KC F-Line RapidRide\CD\Draws\Conformed Set\SPLICE METALS.dwg | Layout: S20 P:017ED: Jan 21, 2013 - 03:58:31pm By mbr

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-0099
www.dksinc.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED:	ONE INCH AT FULL SIZE 1" = 1' IF NOT ONE INCH, SCALE ACCORDINGLY
CONTRACT NO: C00758C12		



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO:	S20
SHEET NO. OF	188 197

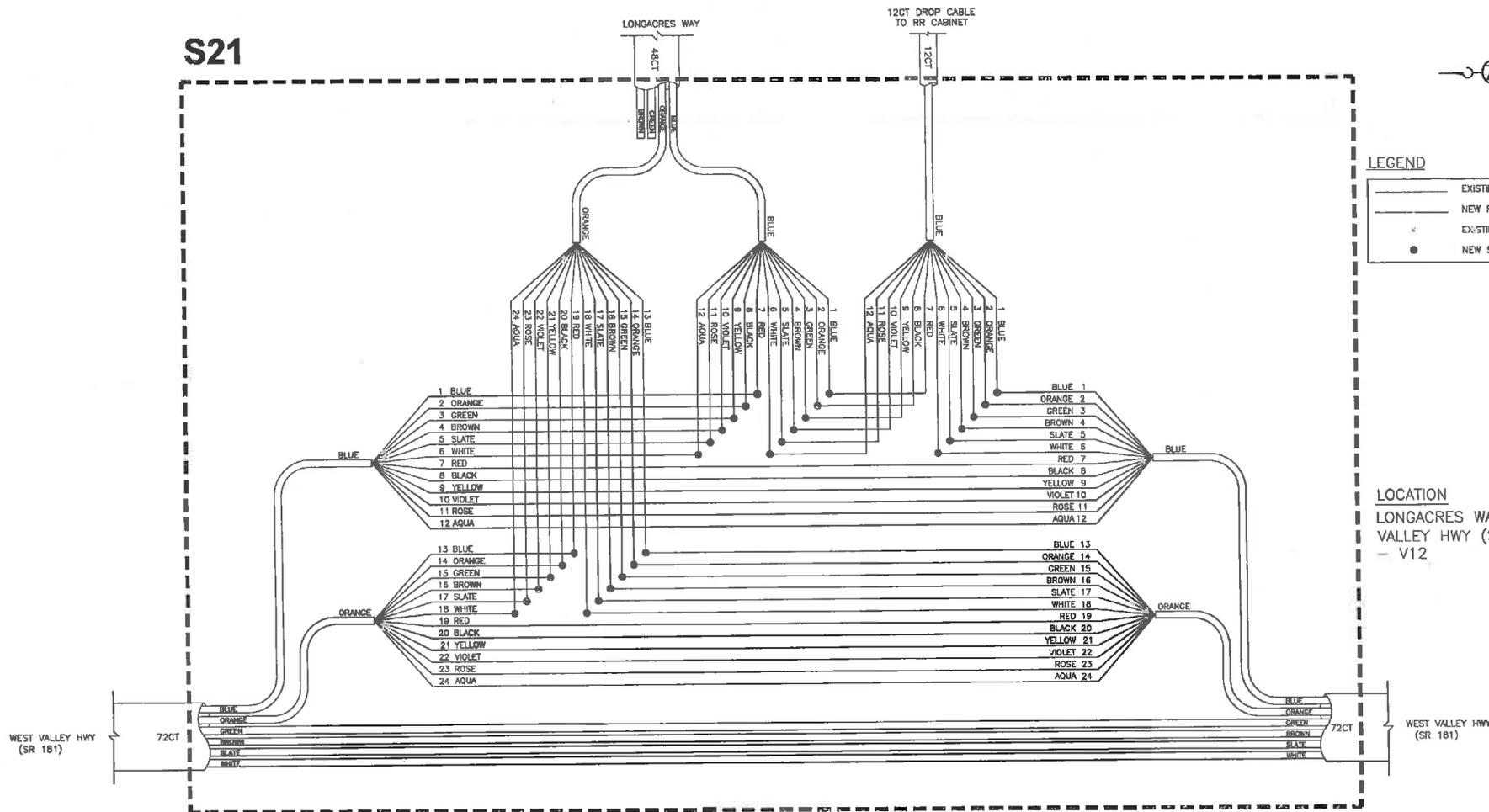
S21



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
LONGACRES WAY/ WEST
VALLEY HWY (SR 181)
- V12



GENERAL NOTES

1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

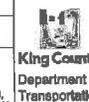
1-800-424-6555
UNCLERGED SERVICE (USA)

CONFORMED FOR CONSTRUCTION	MDR	NCP	1/22/13
No.	REVISION	BY	APPT'D DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 352-6900
www.dksengineering.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO: C00759C12	

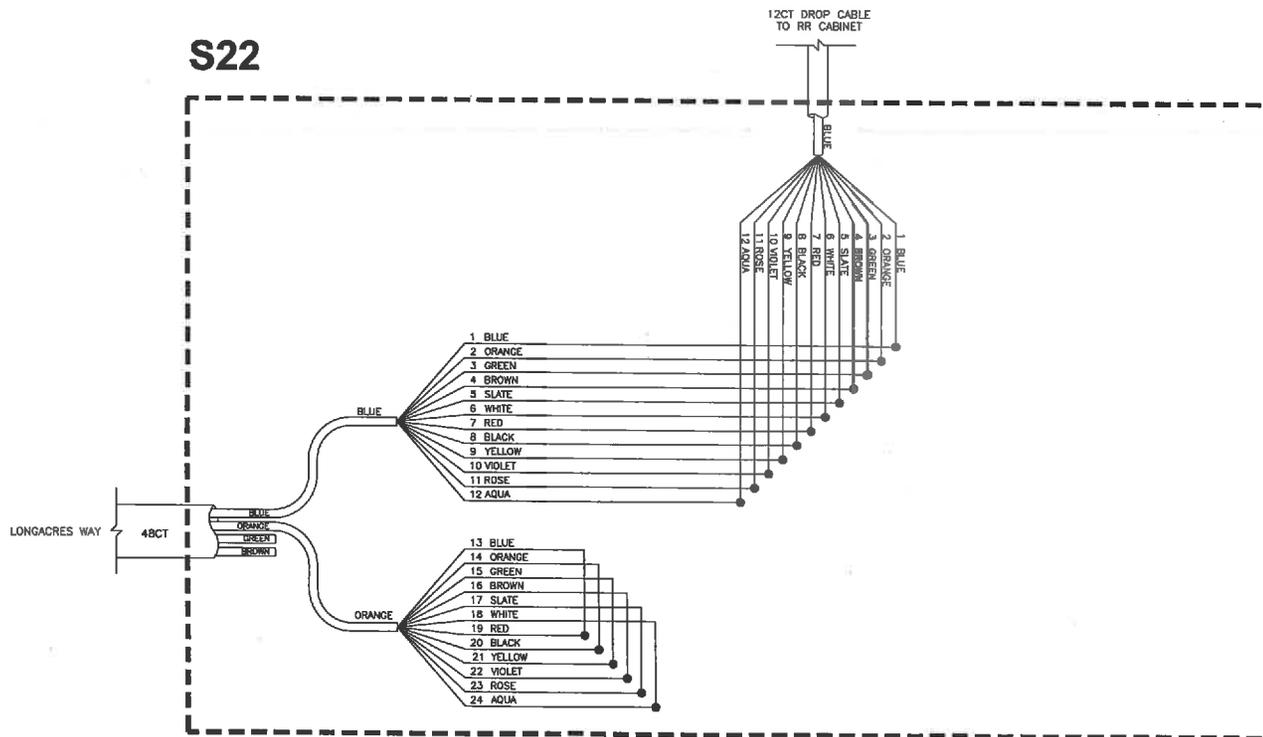


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**FIBER OPTIC
SPLICE DIAGRAM**

DATE: 10/23/12
DRAWING NO: S21
SHEET NO. OF 169 197

H:\CADD\11\1103-000 MD F-Line RapidRide\CD\Confirmed Set\PLUGS DETAILS.dwg | Layout: S21
 PLOTTED: Jan 21, 2013 03:36:37pm By: mdr

S22



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
LONGACRES WAY/TUKWILA ST STATION - V13

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rohman	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: --	ONE INCH AT FULL SIZE
RECOMMENDED:	SOFT NUMBER: --	1" = 1'
	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

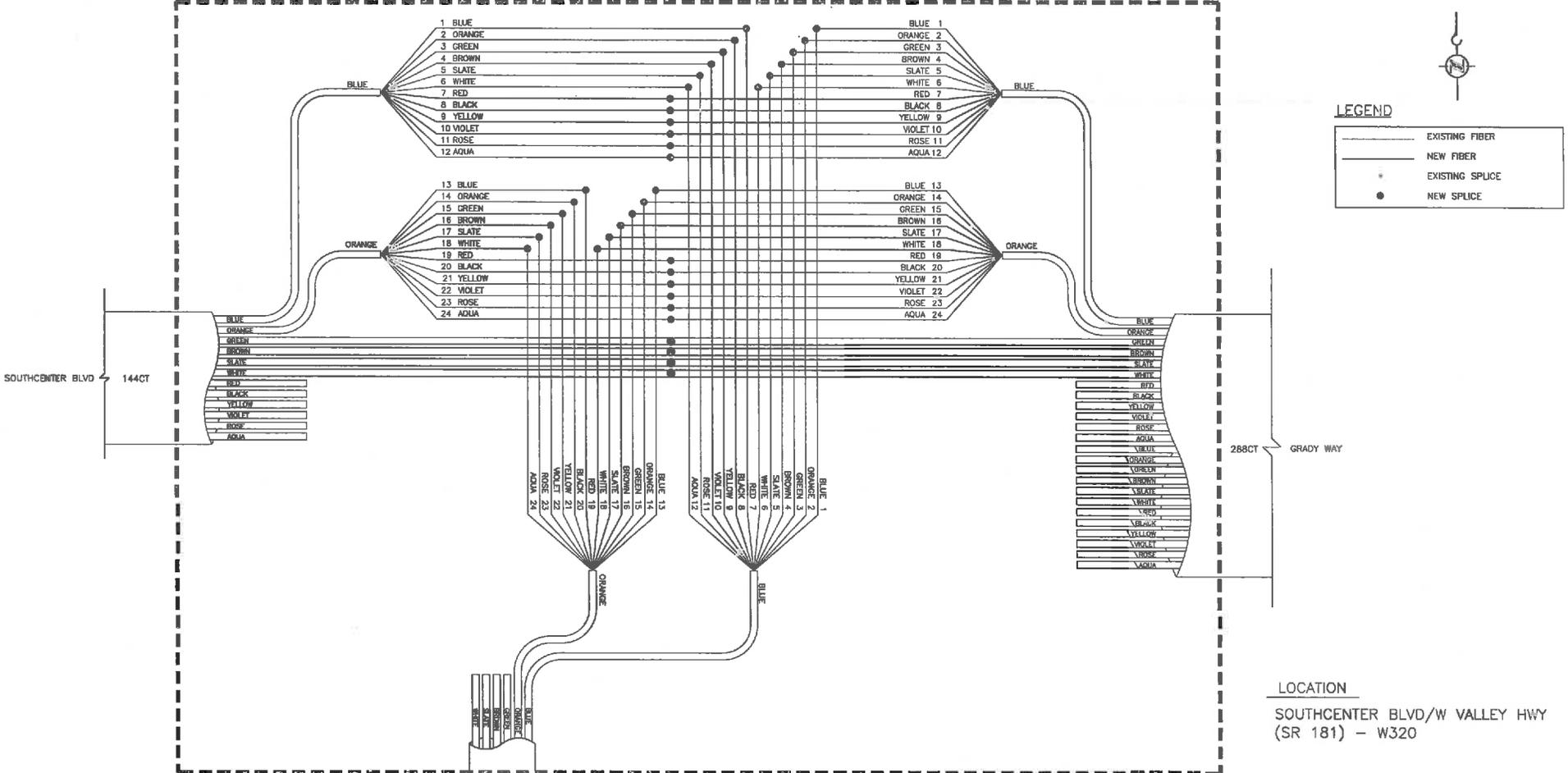


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO:	S22
SHEET NO. OF	170 197

S23



LEGEND

- EXISTING FIBER
- - - NEW FIBER
- EXISTING SPLICE
- NEW SPLICE

LOCATION
SOUTHCENTER BLVD/W VALLEY HWY
(SR 181) - W320

GENERAL NOTES

- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

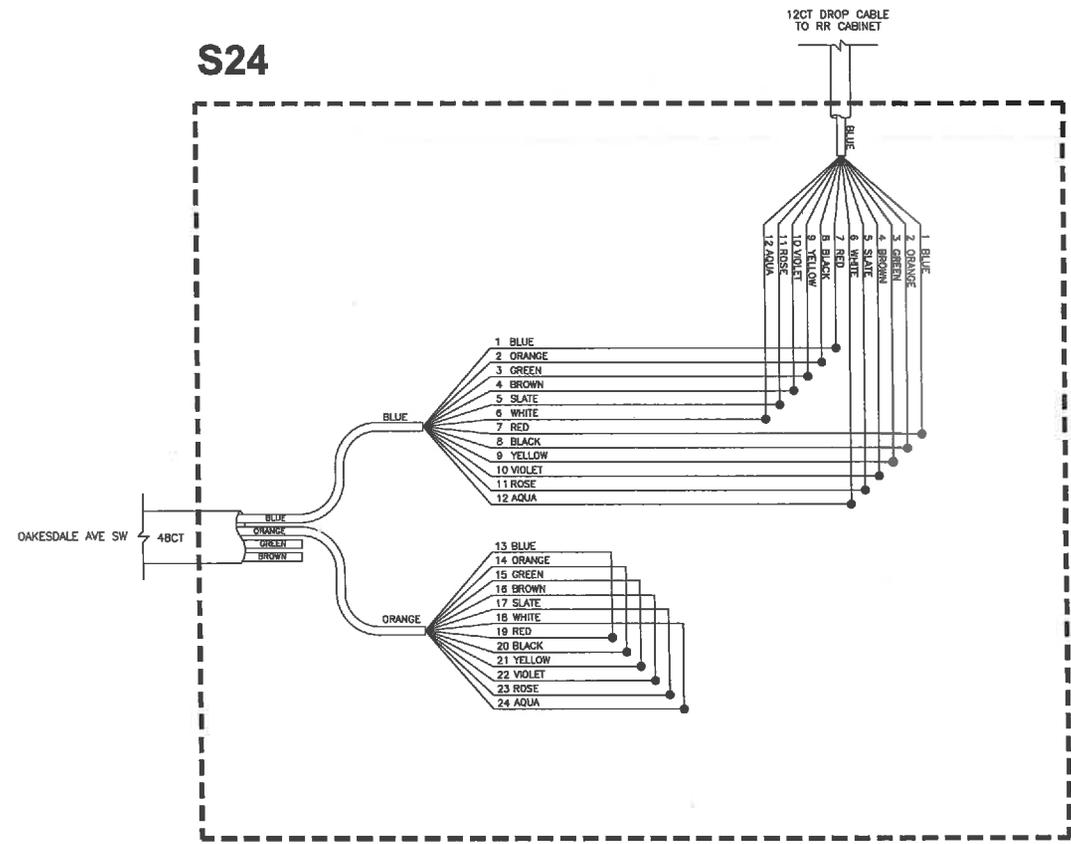
Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	<p>719 Second Ave, Suite 1250 Seattle, Washington 98104 (206) 262-8800 www.thedesignlab.com</p>		DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:	<p>King County Department of Transportation</p>	METRO TRANSIT DIVISION F LINE RAPIDRISE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
							DRAWN: S. Rahman CHECKED: M. Powers RECOMMENDED: -	APPROVED: - M. Powers CONTRACT NO: C00759C12	SITE LOCATION NO: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		FIBER OPTIC SPLICE DIAGRAM	DRAWING NO: S23 SHEET NO. OF: 171 197

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 PLOTTED: Jan 21, 2013 03:36:57pm By: mtr

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 PLOTTED: Jan 21, 2013 - 03:35:10pm By: mtr

S24



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

SW 27TH ST/OAKESDALE AVE SW - R1005

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

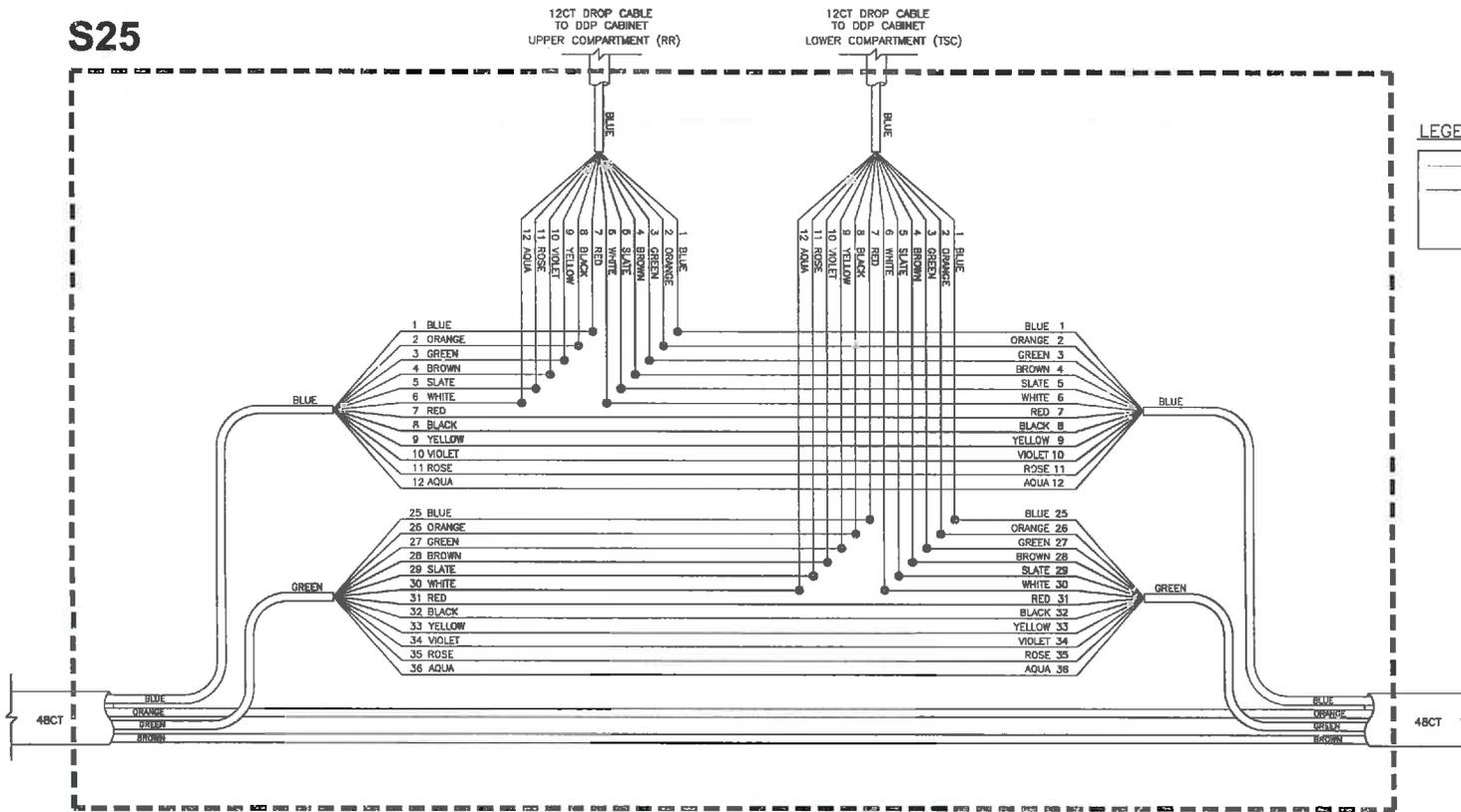
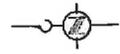
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
(LANDFILL SERVICE USE)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	119 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 462-8800 www.dksassociates.com		DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
REVISION		BY	APP'D	DATE			CHECKED: S. Rahman	APPROVED: M. Powers	SITE LOCATION NO.:		DRAWING NO.: S24	SHEET NO. OF: 172 197

S25



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATIONS

OAKESDALE AVE SW/SW 19TH ST - R1103
LIND AVE SW/GRADY WAY - V16

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	DATE PREPARED: 1/22/13	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO.:	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

**FIBER OPTIC
SPlice DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S25
SHEET NO. OF:	173 197

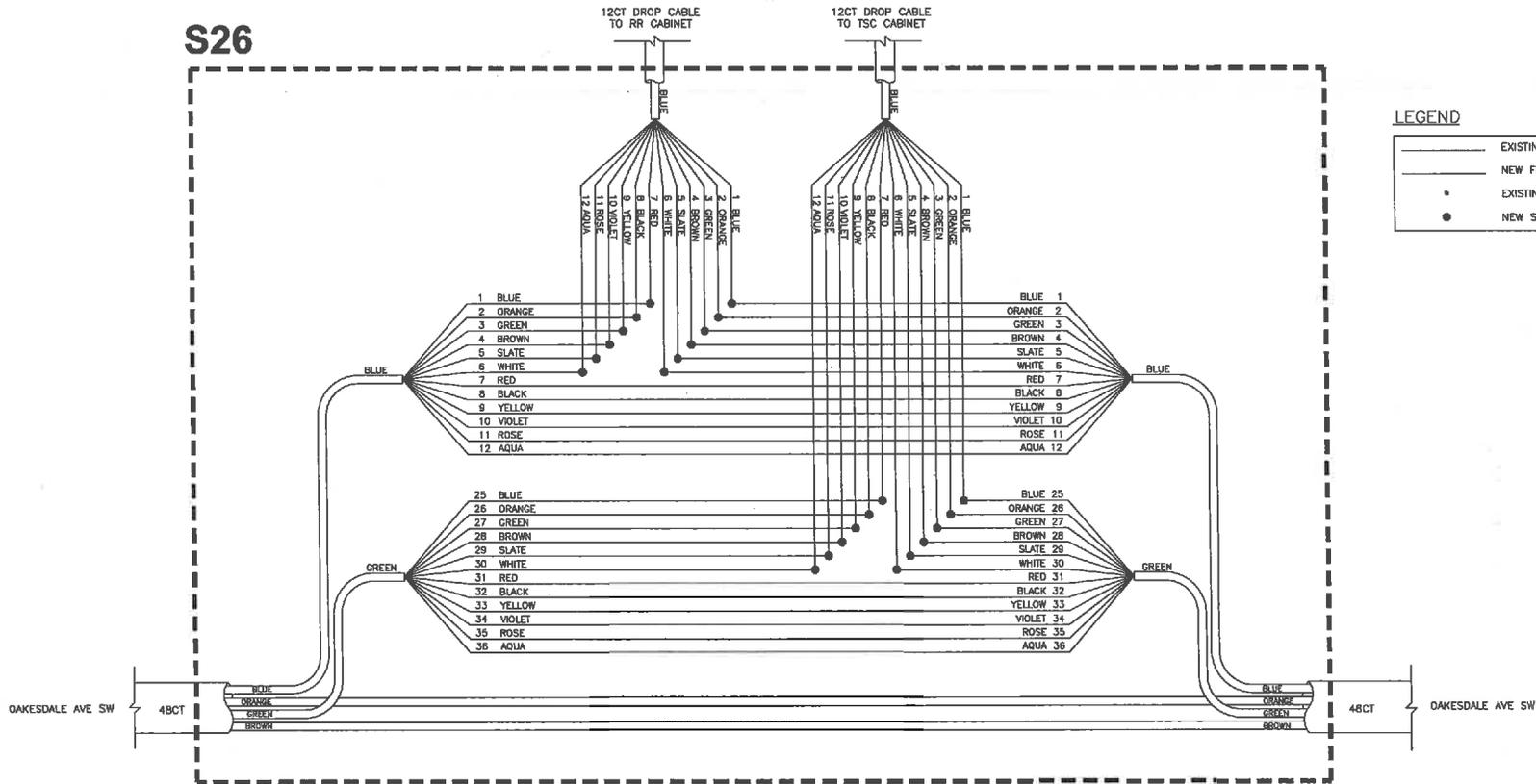
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 PLT: ED, Jan 21, 2013 - 03:38:56pm By: ndr

S26



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



LOCATION

OAKESDALE AVE SW/SW 16TH ST - R1107

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNIFORMED SERVICES OF AMERICA

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 262-0000
www.dksamedia.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: S. Rehrman	APPROVER: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED: M. Powers	CONTRACT NO.:
		C00759C12



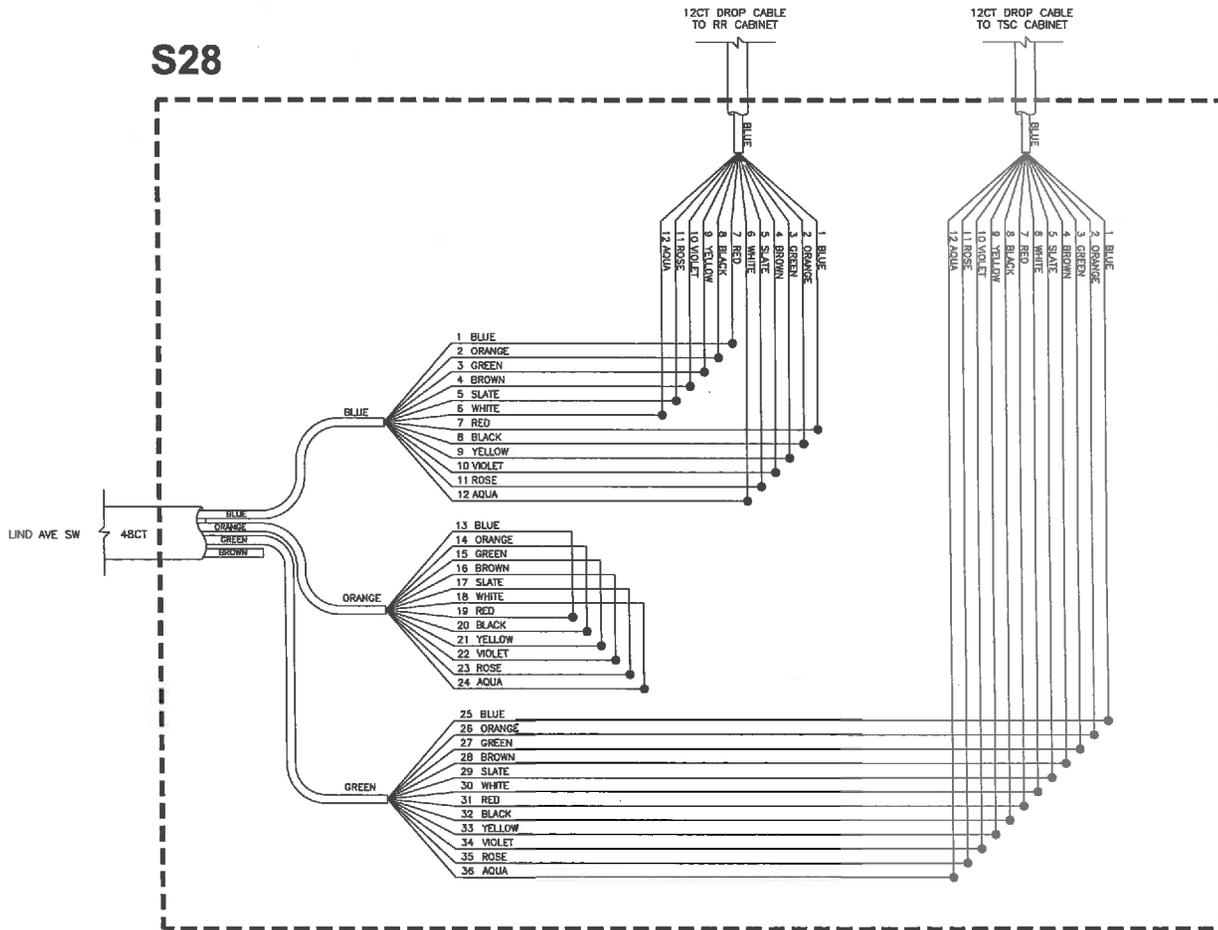
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
SPlice DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S26
SHEET NO. OF:	174 197

N:\6 Projects\111163-000_Itc_F-Line_RapidRide\CAD\Drawings\Conformed_Split_Splice_Details.dwg | Layout: S26
 P:07/EC: Jan 21, 2013 10:37:10 AM By: mdr

S28



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
LIND AVE SW/SW 16TH ST - V15

GENERAL NOTES

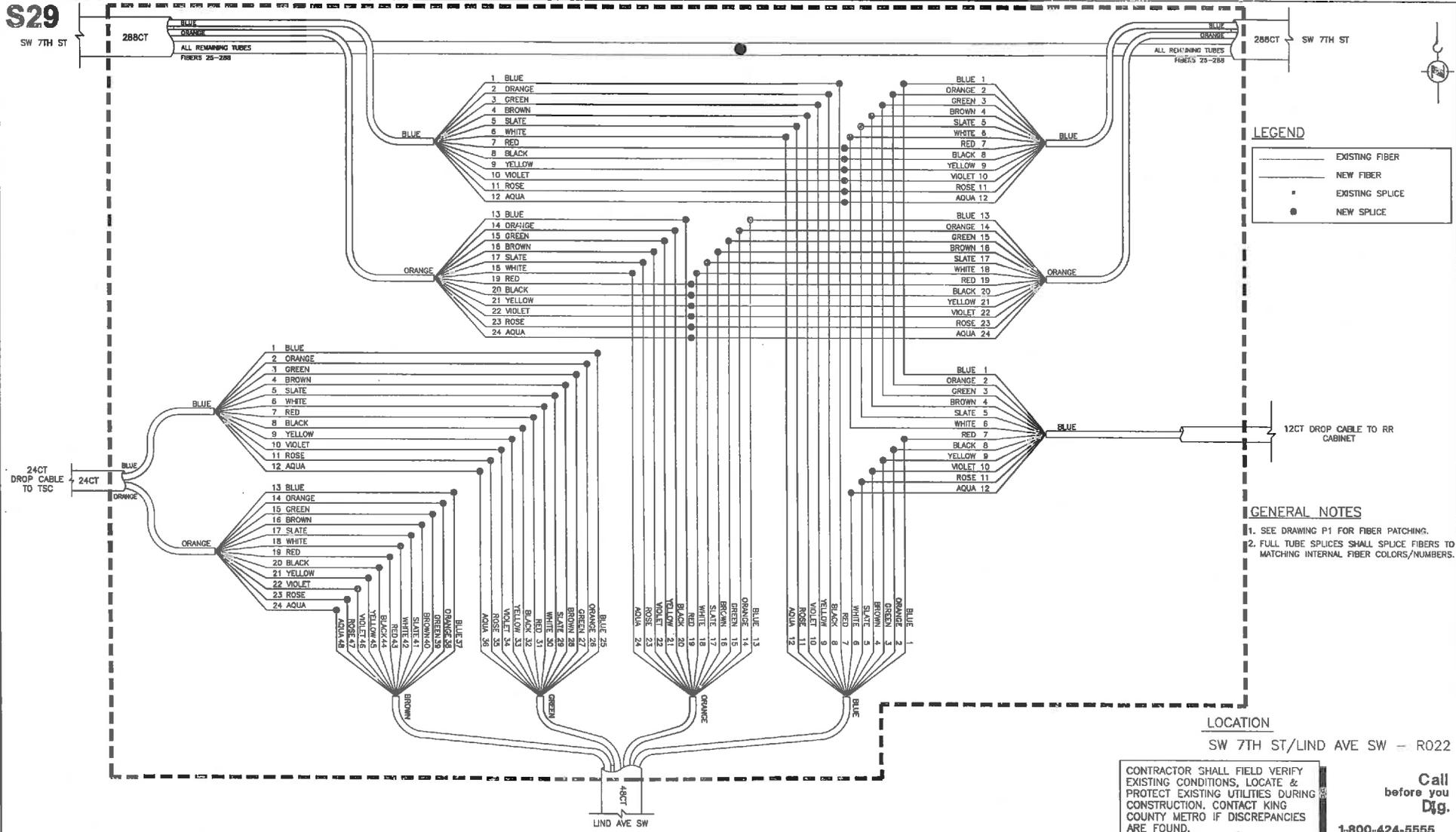
1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
WEIGHING SERVICE (WS)

U:\CS\Projects\11\11-03-000_MCF_Line_RapidRideITS\Corridor\SA\SPLICE_DRAWING.dwg | Layout: S28
 PLOT DATE: Jun 21, 2013 10:32:11pm By: mdr

CONFIRMED FOR CONSTRUCTION		MDR MCP 1/22/13	719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 362-8800 www.drawingdata.com		DESIGNED: M. Powers CHECKED: S. Rahman RECOMMENDED: M. Powers	PROJECT MANAGER: M. Powers APPROVED:	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY	METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
No.	REVISION	BY	APP'D	DATE				FIBER OPTIC SPLICE DIAGRAM	DRAWING NO: S28 SHEET NO. OF 178 197



LEGEND

—	EXISTING FIBER
—	NEW FIBER
•	EXISTING SPLICE
•	NEW SPLICE

- GENERAL NOTES**
- SEE DRAWING P1 FOR FIBER PATCHING.
 - FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL FIBER COLORS/NUMBERS.

LOCATION
SW 7TH ST/LIND AVE SW - R022

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNINCORPORATED SERVICE (USA)

Call before you Dig.
1-800-424-5555

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 362-8800
www.dksinc.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	RECOMMENDED: M. Powers	IF NOT ONE INCH SCALE ACCORDINGLY
CONTRACT NO.:	CONTRACT NO.:	CONTRACT NO.:



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S29
SHEET NO. OF:	177 197

I:\Projects\11161-000_KC_F-Line_RapidRide\CAD\img\Conformed_Spl\SPICE_C:\TALS.dwg | Layout: S29
 PLOTTED: Jan 21, 2013 - 03:37:17 PM By: mdr

S30

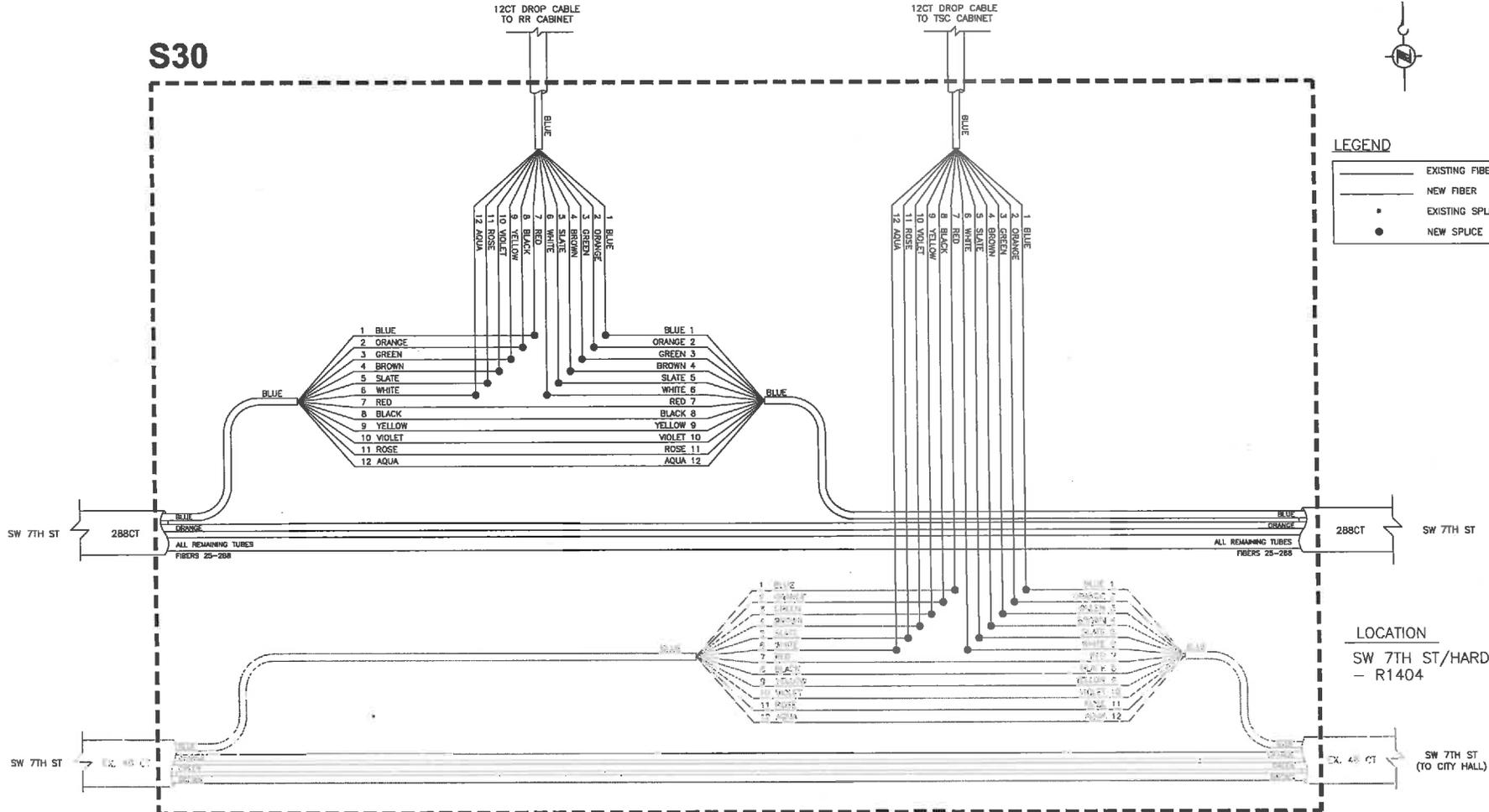
12CT DROP CABLE TO RR CABINET

12CT DROP CABLE TO TSC CABINET



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



LOCATION
SW 7TH ST/HARDIE AVE SW
- R1404

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
(KING COUNTY SERVICE DESK)

GENERAL NOTES
1. SEE DRAWING P1 FOR FIBER PATCHING.

H:\S30_Rev1\11\1145_000_000_000_F-1.dwg, Revision: R001, Confirmed: SCA\SPLICE_DETAILS.dwg | Layout: S30
 PLOTTED: Jun 21, 2013 02:37:21 pm | By: mtr

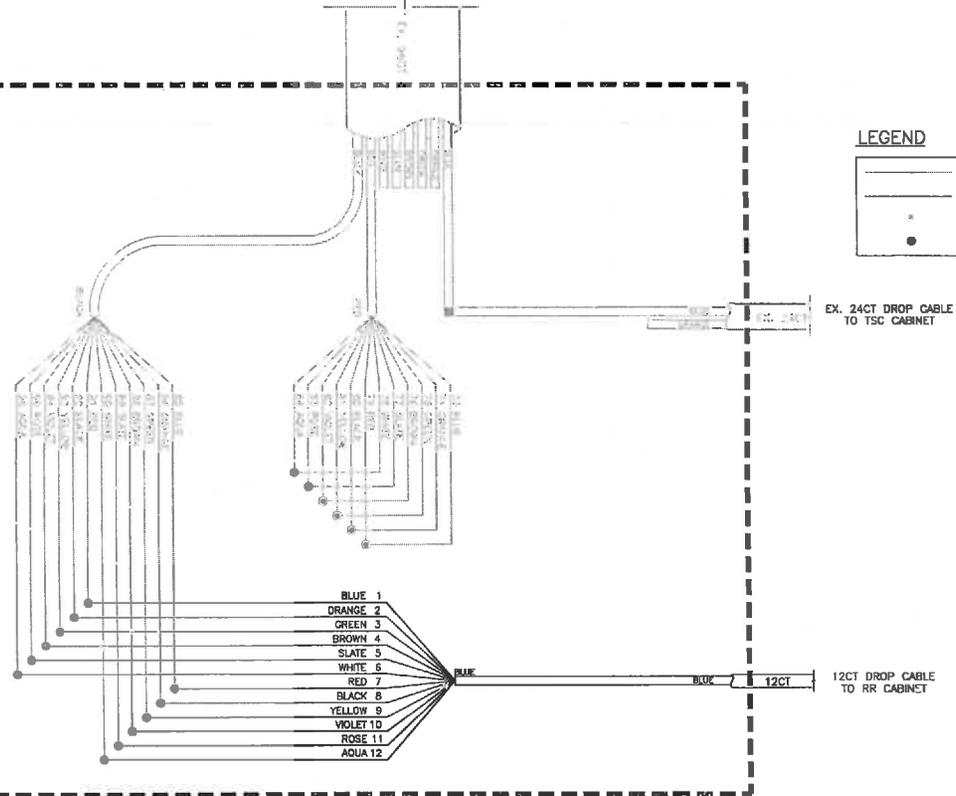
CONFIRMED FOR CONSTRUCTION		MDR MCP 1/22/13	719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 362-8800 www.dksprojectiles.com		DESIGNED: M. Powers DRAWN: S. Rahman CHECKED: M. Powers RECOMMENDED:	PROJECT MANAGER: M. Powers APPROVED:	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY		METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT FIBER OPTIC SPLICE DIAGRAM	DATE: 10/23/12 DRAWING NO: S30 SHEET NO: OF 178 197
No.	REVISION	BY	APP'D	DATE						

S31



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



LOCATION
SW GRADY WAY/RAINIER AVE S - V17

GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 388-0800
www.dkscables.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: E. Rahman	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	RECOMMENDED: M. Powers	CONTRACT NO: C00759C12

King County
Department of
Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

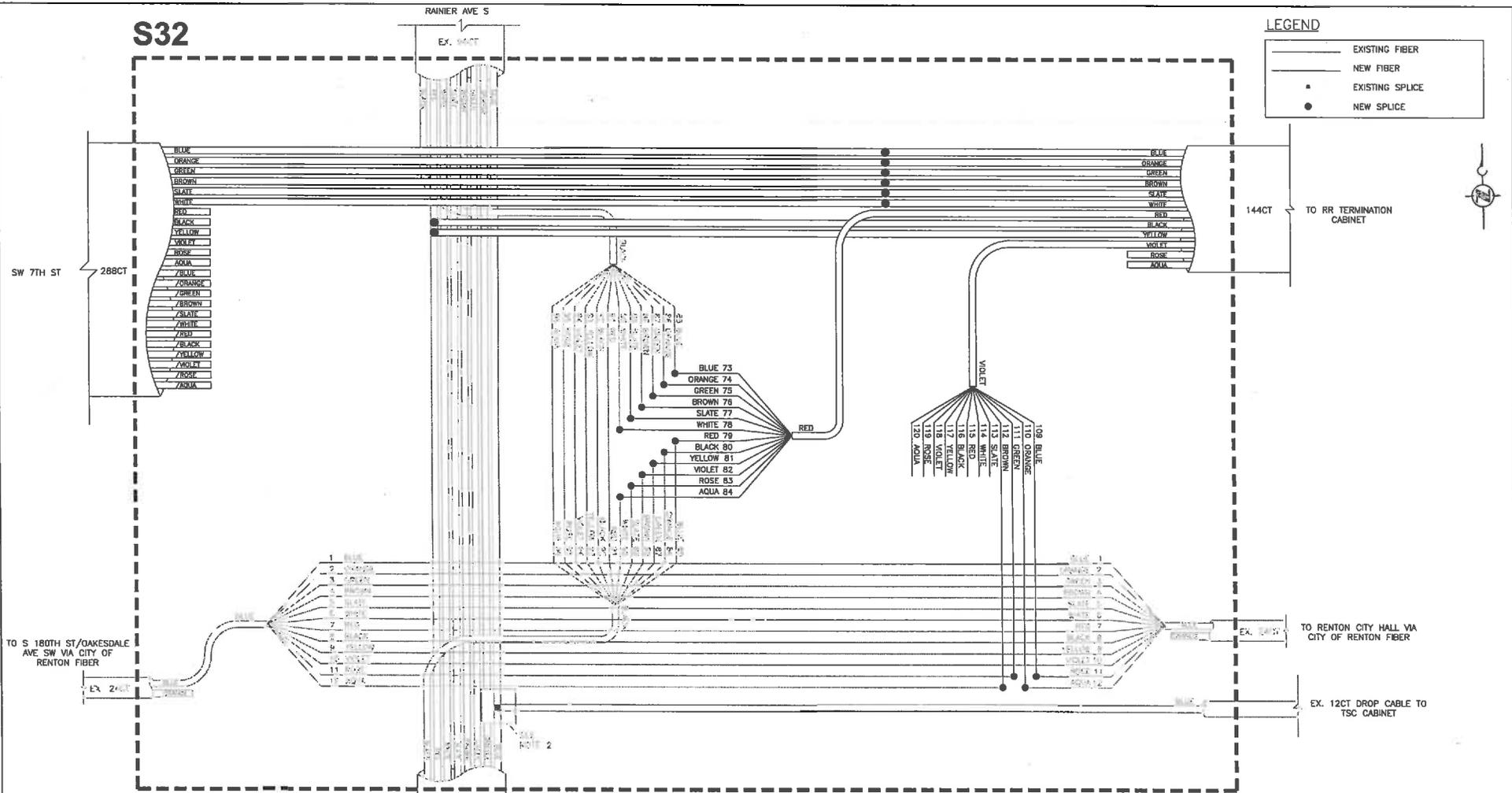
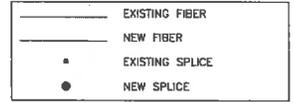
**FIBER OPTIC
SPLICE DIAGRAM**

DATE: 10/23/12
DRAWING NO: S31
SHEET NO. OF 179 187

H:\AO Projects\11\1103-000 MC_F-Line RapidRide\CAD\Drawings\Drawings\Layout S31.dwg
 2/11/13 10:21:21 AM 2/11/13 10:21:21 AM By: mdr

S32

LEGEND



GENERAL NOTES

1. SEE DRAWING P2 FOR FIBER PATCHING.
2. SEE RAINIER AVE PROJECT 7TH/RAINIER SPLICE DETAIL FOR SPLICES TO TSC CABINET.
3. FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL COLORS/NUMBERS.

LOCATION

RAINIER AVE S/SW 7TH ST - V18

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE UNIT

Call before you Dig.

H:\S32\c:\check\1\1185_000.dwg P:\line\Registred\CAD\user\Conformed sat\SPICE DETAILS.dwg | Layout: S32
 :LUTED: Sun 21, 2013 10:23:52 AM By mdr

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 465-9800
 www.thesecondave.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	DESIGN NO: -	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	WORK NUMBER: -	CONTRACT NO: C00759C12



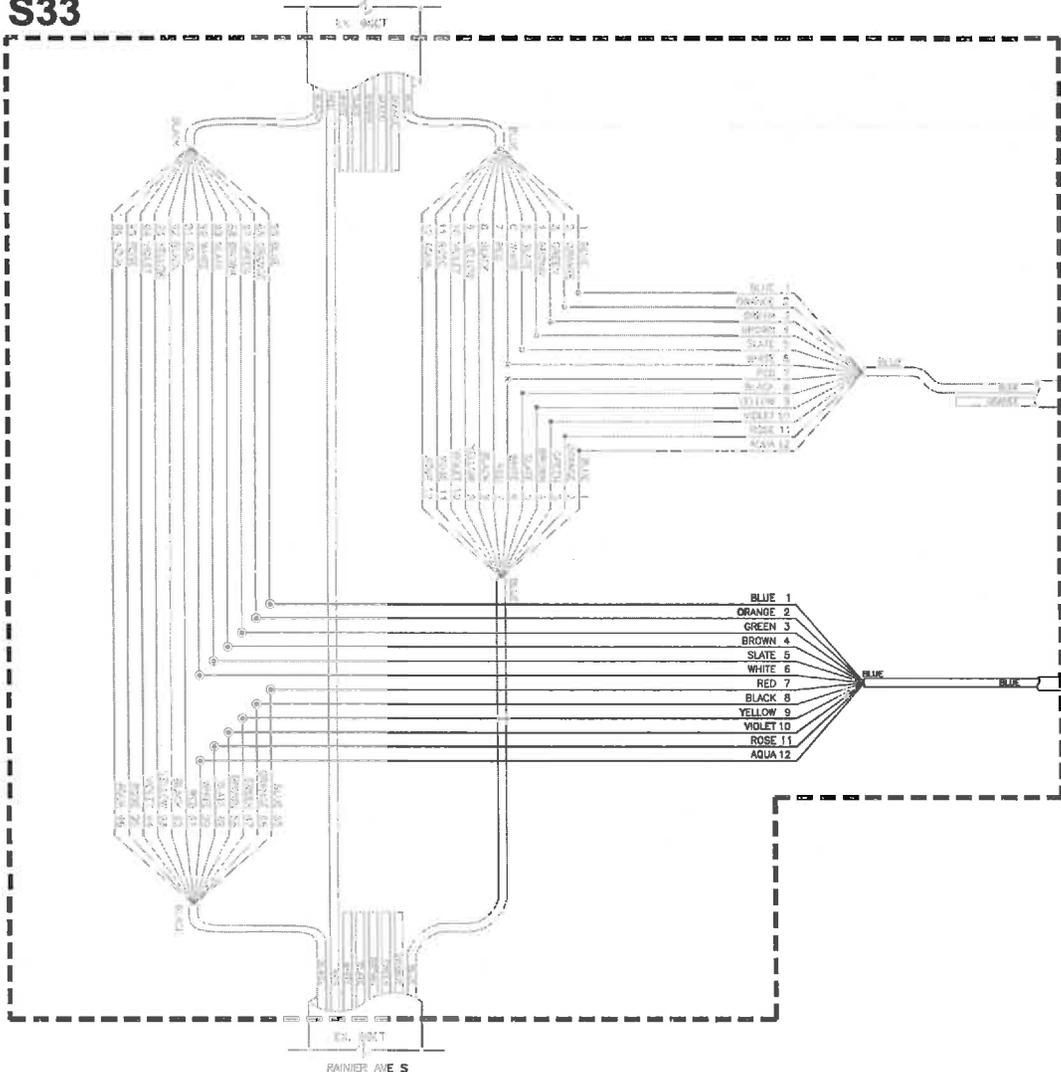
METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO:	S32
SHEET NO. OF	180 197

S33

RAINIER AVE S



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

EX. 24CT DROP CABLE TO TSC CABINET

12CT DROP CABLE TO RR CABINET

LOCATION
RAINIER AVE S/S 4TH PL - V19

GENERAL NOTES

1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
ENGINEERING SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 242-0800
www.dksassoc.com



DESIGNER:
M. Powers
DRAWN:
S. Rahman
CHECKED:
M. Powers
RECOMMENDED:
-

PROJECT MANAGER:
M. Powers
APPROVED:
-
ISS NO.:
ISS REVISION: -
CONTRACT NO.:
C00758C12

SCALE:
SITE LOCATION NO.:
ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY

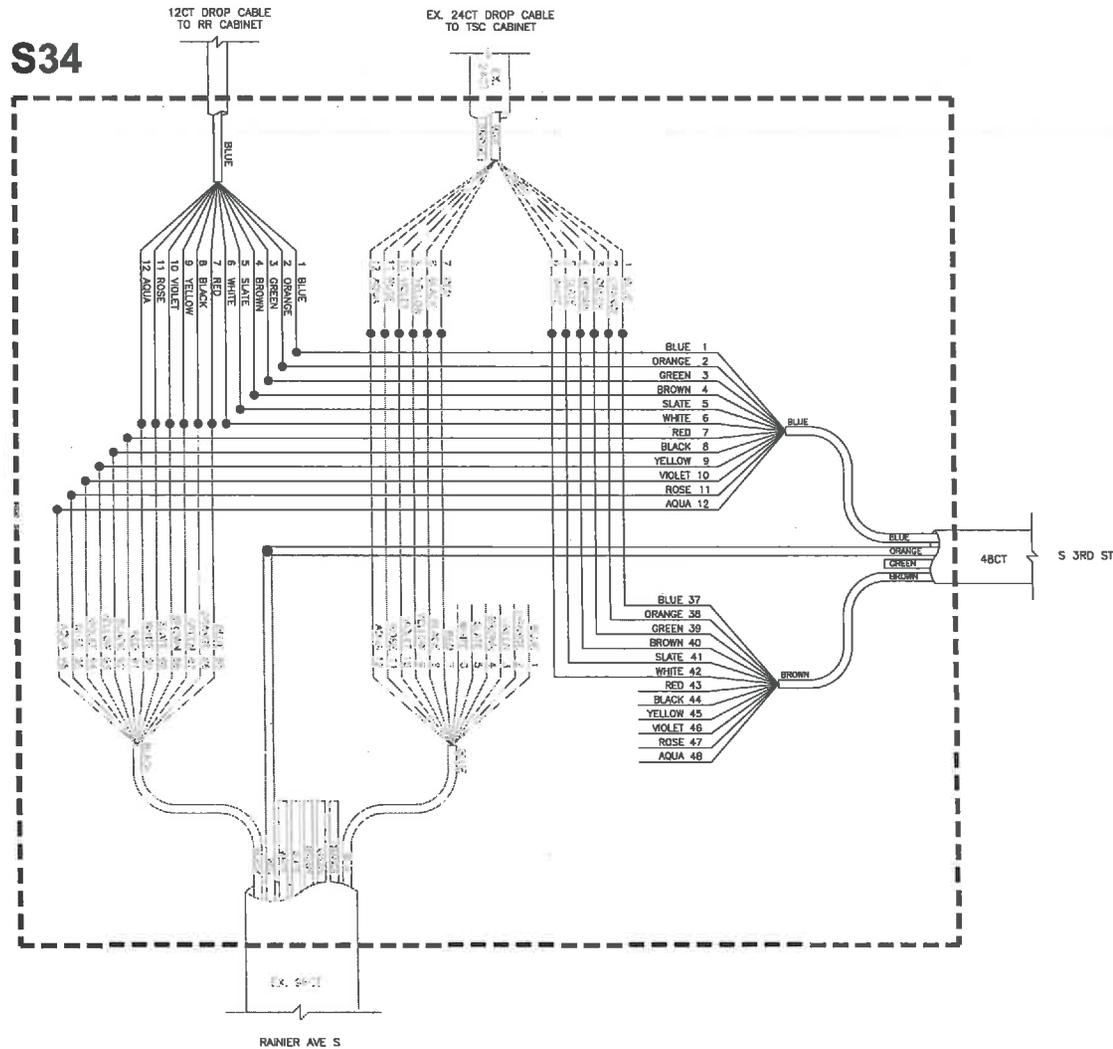
King County
Department of Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**FIBER OPTIC
SPLICE DIAGRAM**

DATE:
10/23/12
DRAWING NO.:
S33
SHEET NO. OF:
181 197

H:\GIS\Projects\11\1103-000_MCF_Line_Rev.dwg\1103-000_MCF_Line_Rev.dwg\1103-000_MCF_Line_Rev.dwg | Layout: S33
 PLOT: 1/22/13 11:03:27 AM By: mdr

H:\G:\Projects\111103-000 MC (-) - Lin. RapidRide C&D\Proj\Splice Diagrams.dwg | Layout: S34
 PLOTTED: Jun 21, 2012 - 08:37:41 am By: mdr



GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNBROKEN SERVICE CLUB

CONFIRMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 362-6800
 www.thamesandkoski.com



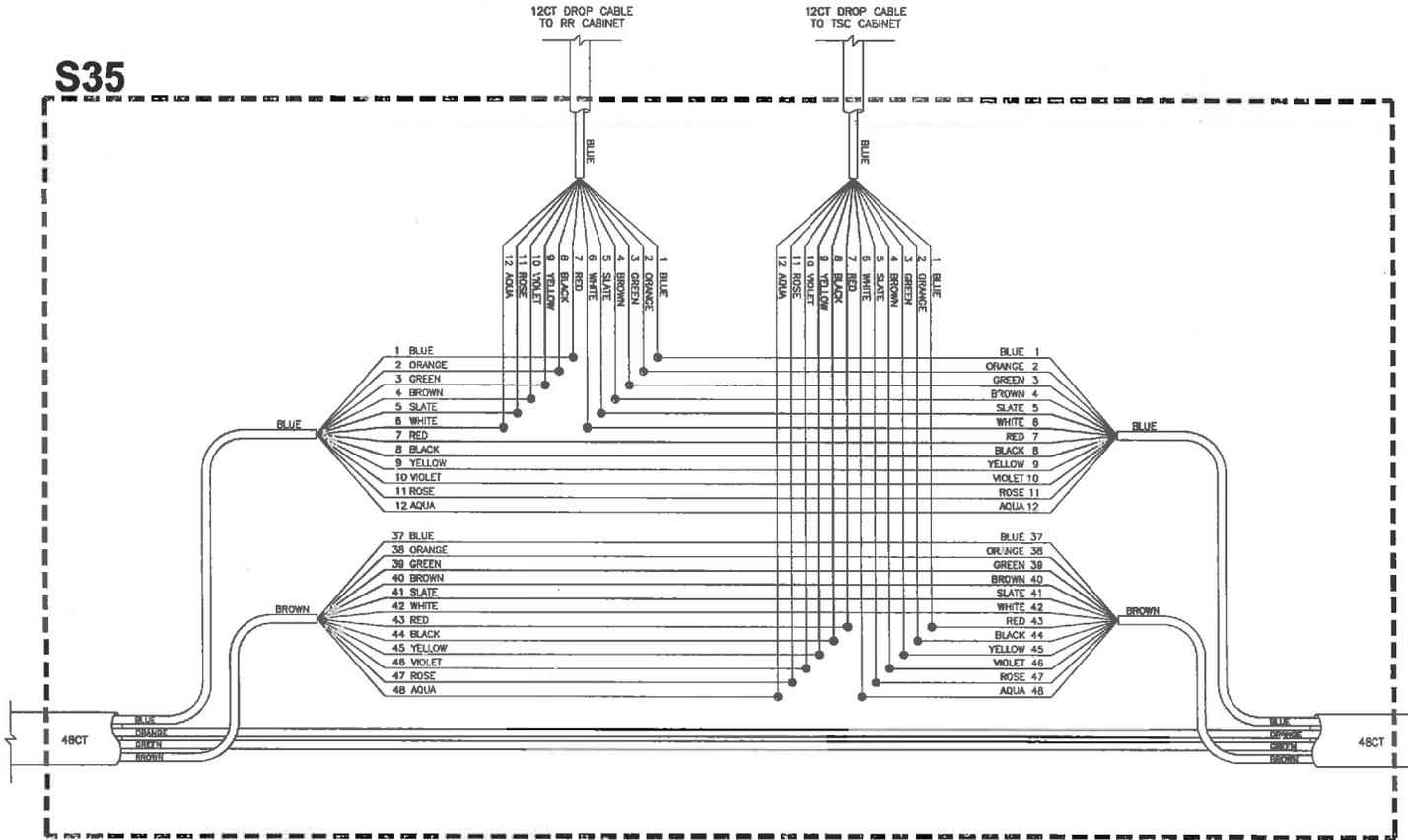
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	BIS NO.:	
RECOMMENDED:	CONTRACT NO.:	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
**FIBER OPTIC
 SPLICE DIAGRAM**

DATE:	10/23/12
DRAWING NO.:	S34
SHEET NO. OF:	182 197

H:\2013 Projects\11\1163-000 MC F-Line RapidRide\CAD\DWG\C:\formed SaaS\PLICE DETAILS.dwg | Layout: S35
 PLOTED: Jan 21, 2013 10:27:46am By: mdr



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATIONS
 S 3RD ST/SHATTUCK AVE S - V21
 S 2ND ST/BURNETT AVE S - V25
 S 2ND ST/LOGAN AVE S - V26

GENERAL NOTES
 1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
 UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 179 Second Ave., Suite 1200
 Seattle, Washington 98104
 (206) 382-8000
 www.dksusafiber.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rohman	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	SIS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	CONTRACT NO: C00759C12	IF NOT ONE INCH, SCALE ACCORDINGLY

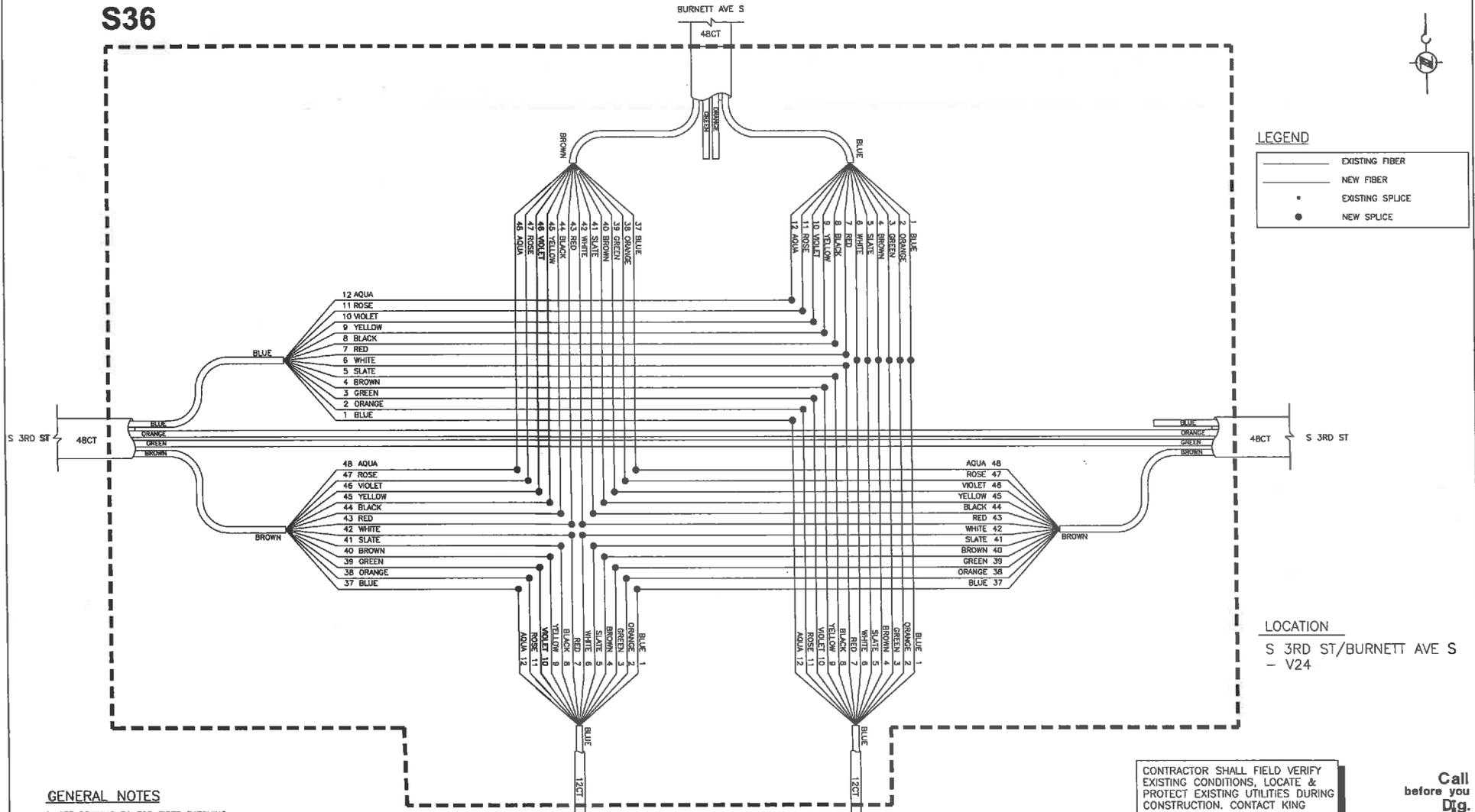


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO:	S35
SHEET NO. OF	183 197

S36



LEGEND

- EXISTING FIBER
- NEW FIBER
- EXISTING SPLICE
- NEW SPLICE

LOCATION
S 3RD ST/BURNETT AVE S
- V24

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNRECORDED SERVICE (USA)

Call before you Dig.

GENERAL NOTES
1. SEE DRAWING P1 FOR FIBER PATCHING.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 365-6200
www.dkwedocs.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	DATE: --	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED:	CONTRACT NO.:	

King County
Department of Transportation

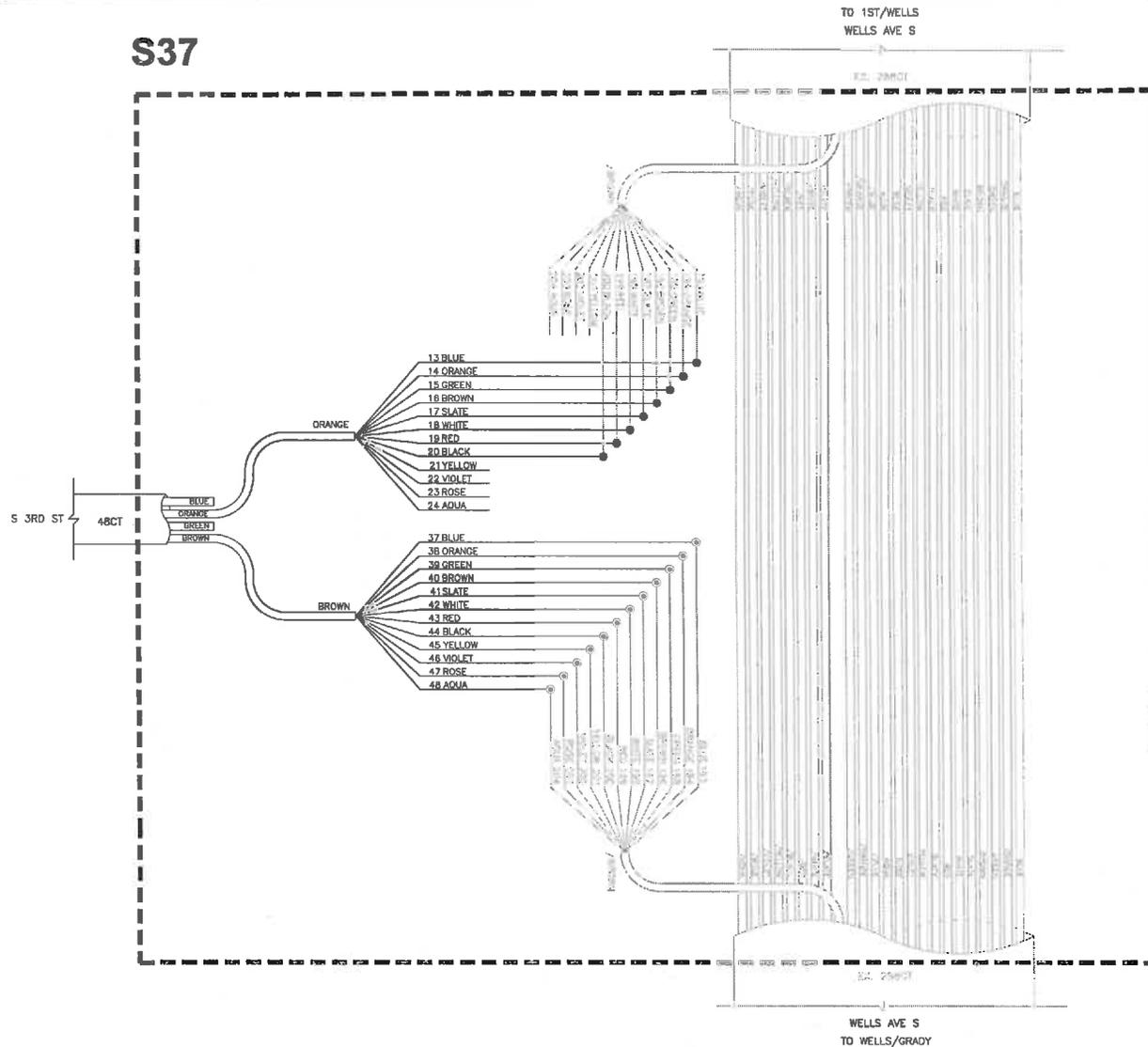
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S36
SHEET NO. OF:	184 197

H:\ca\Projects\11\1181-000_400_F-Line_RapidRide\CAD\Views\Conformed Set\SP\LICIT_DETALS.dwg | Layout: S36
 PLOTTED: Jan 21, 2013 - 10:37:51am By: mdr

S37



LOCATION
S 3RD ST/WELLS AVE S - R363

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
1-800-424-5555
UNDERGROUND SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE



719 Second Ave., Suite 1200
Seattle, Washington 98104
206.382.8800
www.dksassociates.com



DESIGNED: M. Powers
DRAWN: M. Powers
APPROVED: S. Rahmon
CHECKED: M. Powers
RECOMMENDED:

PROJECT MANAGER: M. Powers
APPROVED: M. Powers
SHEET NO.:
SHEET TOTAL: 185 197
CONTRACT NO.: C00759C12



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

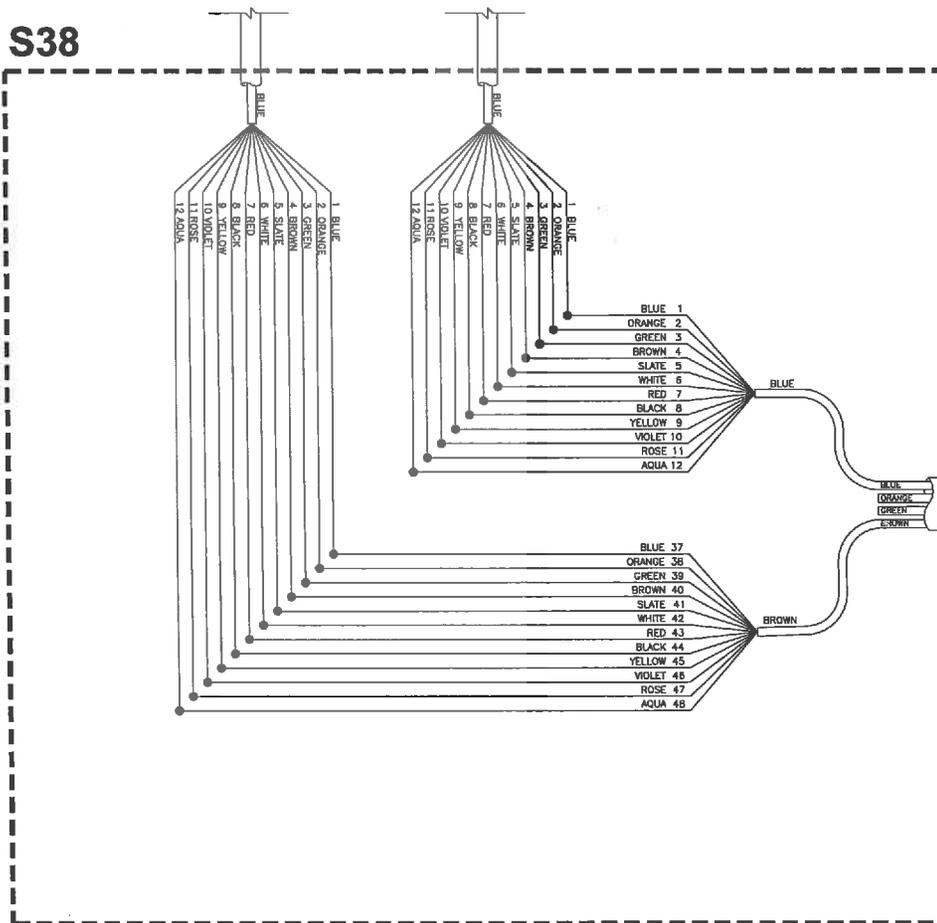
FIBER OPTIC
SPLICE DIAGRAM

DATE: 10/23/12
DRAWING NO: S37
SHEET NO. OF: 185 197

S38

12CT DROP CABLE
TO TSC CABINET

12CT DROP CABLE
TO RR CABINET



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
S 2ND ST/RAINIER AVE S - V27

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
(WASHINGTON SERVICE BUS)

Call before you Dig.

GENERAL NOTES

1. SEE DRAWING P1 FOR FIBER PATCHING.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 360-9300
www.dksconsulting.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	ISS. NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	ISS. REASON:	IF NOT ONE INCH, SCALE ACCORDINGLY
	CONTRACT NO.:	C00759C12



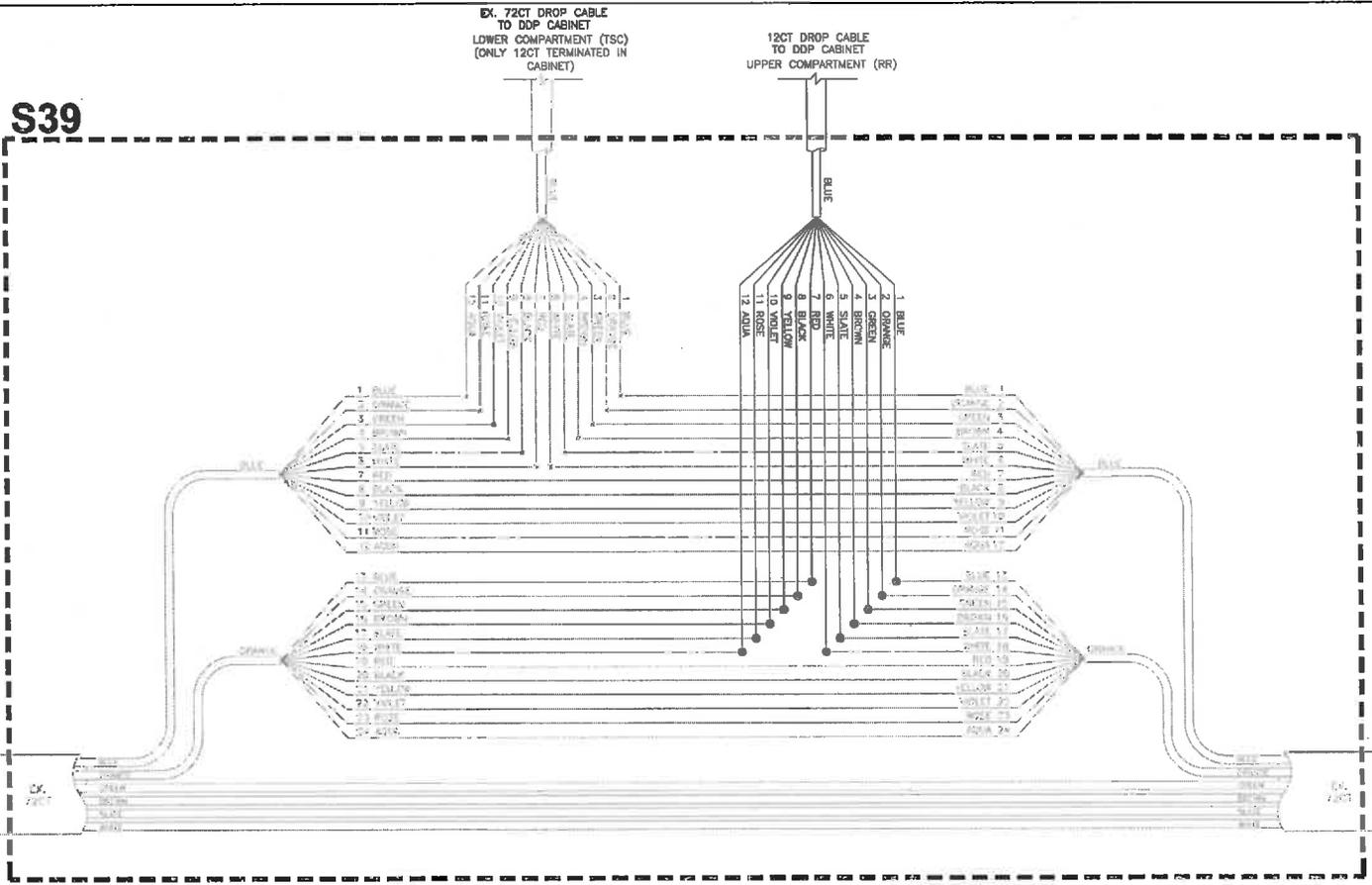
METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S38
SHEET NO. OF	188 197

H:\A\3\Projects\11\1103_000_V0_F_Lines_Rainier\RA\CD\day\Conformed_Sat\SPICE_DETAILS.dwg | Layout: S38
 PLOT: 2/21/2013 10:38:00 pm By: mdr

I:\S39_Plan\A\111133_000_NC_F-Line_Splicing\A\00\Views\Confirmed_Splicing_Details.dwg | Layout: S39
 PLOT DATE: Jun 21, 2013 10:28:27 AM By: mdr



LEGEND

- EXISTING FIBER
- NEW FIBER
- EXISTING SPLICE
- NEW SPLICE



GENERAL NOTES

- SEE DRAWING P1 FOR FIBER PATCHING.

LOCATIONS

LOGAN AVE N/N 4TH ST - R1503

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USG)

CONFORMED FOR CONSTRUCTION		MDR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 282-6300
www.dksassociates.com



DESIGNER:
M. Powers
CHECKED:
S. Rahman
RECOMMENDED:
M. Powers

PROJECT MANAGER:
M. Powers
APPROVED:
[Signature]
JOB NO:
-
CONTRACT NO:
C00759C12

SOUR:
SITE LOCATION NO:
ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY

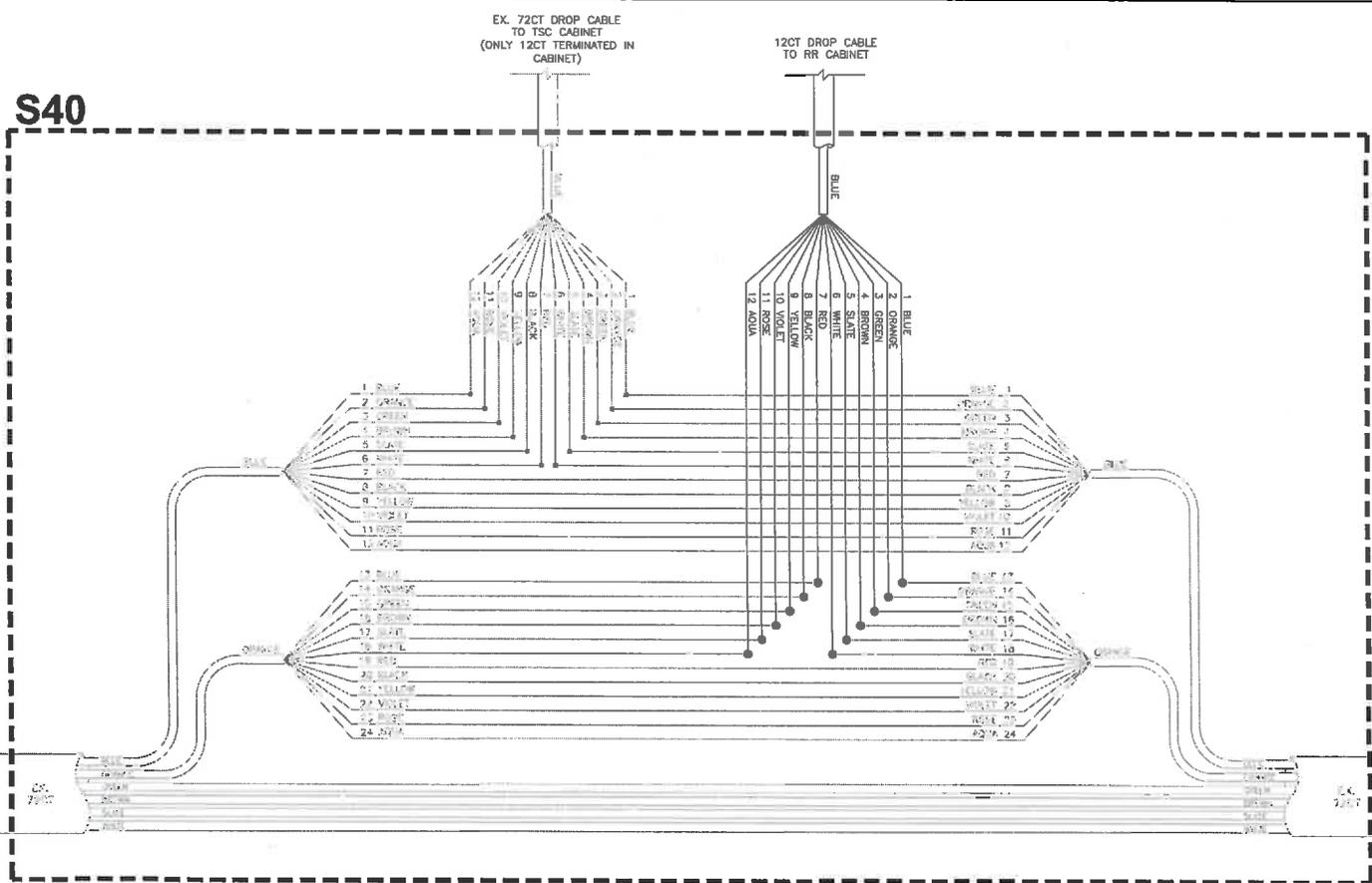


METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE: 10/23/12
DRAWING NO: S39
SHEET NO. OF: 187 197

I:\Projects\11185-000_KC_F-Line_RapidRide\CD\Drawings\Confidential_S40\Fiber_Splice_Details.dwg | Layout: S40
 PLOTTED: Sun 21, 2013 10:53:39 AM By: mdr



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

GENERAL NOTES
 1. SEE DRAWING P1 FOR FIBER PATCHING.

LOCATIONS
 LOGAN AVE N/N 6TH ST - R1508
 LOGAN AVE N/N 10TH ST - R1512

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES BEFORE CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE UTILITIES

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

718 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 360-8900
www.dkswood.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rehman	APPROVED: M. Powers	IF NOT ONE INCH, SCALE ACCORDINGLY
CHECKED: M. Powers	SUB NO.: -	
RECOMMENDED: -	CONTRACT NO.: C00759C12	



METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S40
SHEET NO. OF:	188 197

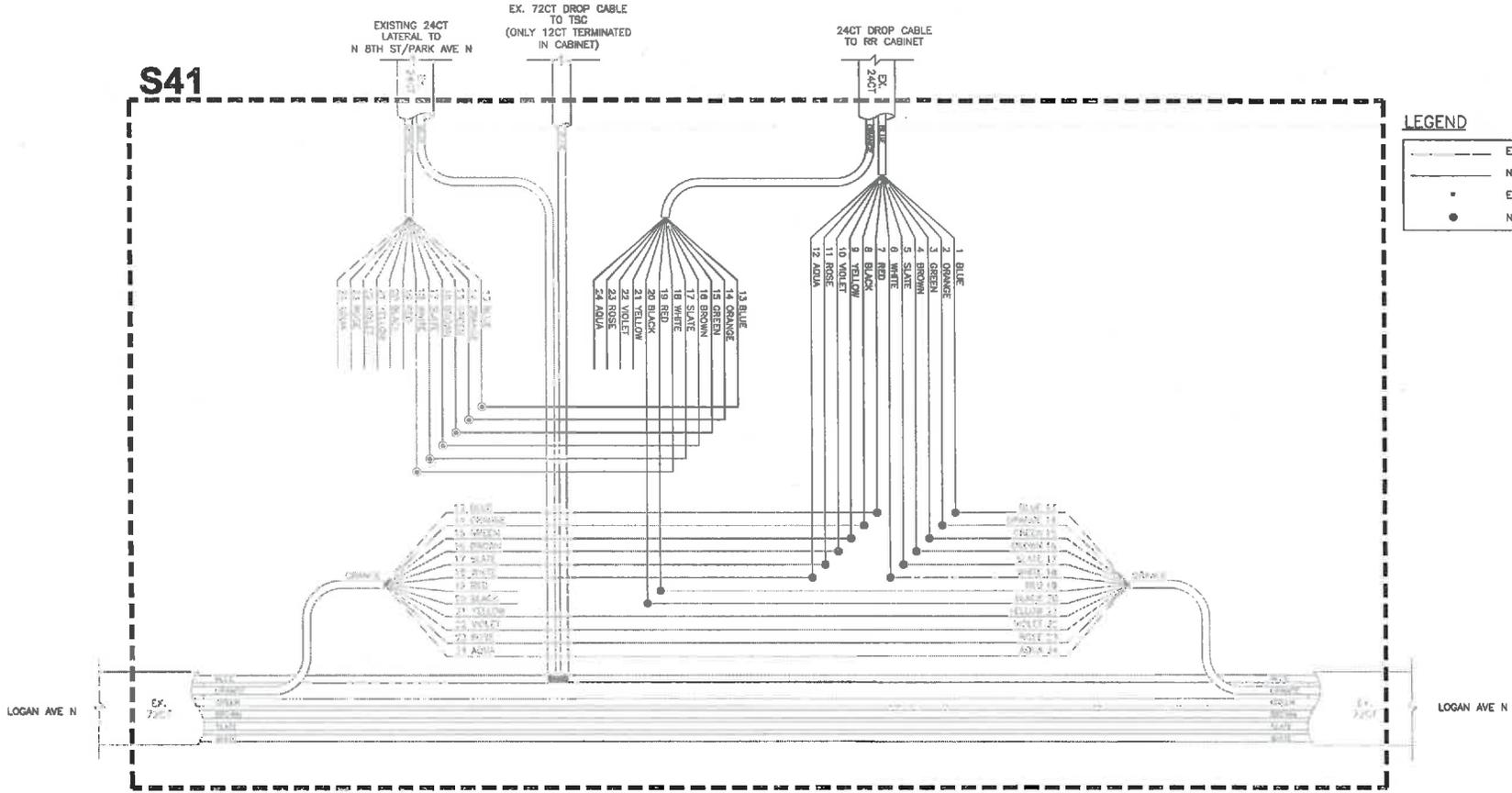
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 PLOTTED: Jan 21, 2013 - 03:38:17pm By: mfr

S41



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



GENERAL NOTES

- SEE DRAWING P2 FOR FIBER PATCHING.

LOCATIONS

LOGAN AVE N/N 8TH ST = R1509

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

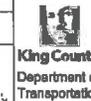
Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE BUREAU

CONFORMED FOR CONSTRUCTION		MDR MCR 1/22/13	
No.	REVISION	BY	APP'D DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rehman	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	BIS NO: -	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO: CO0759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

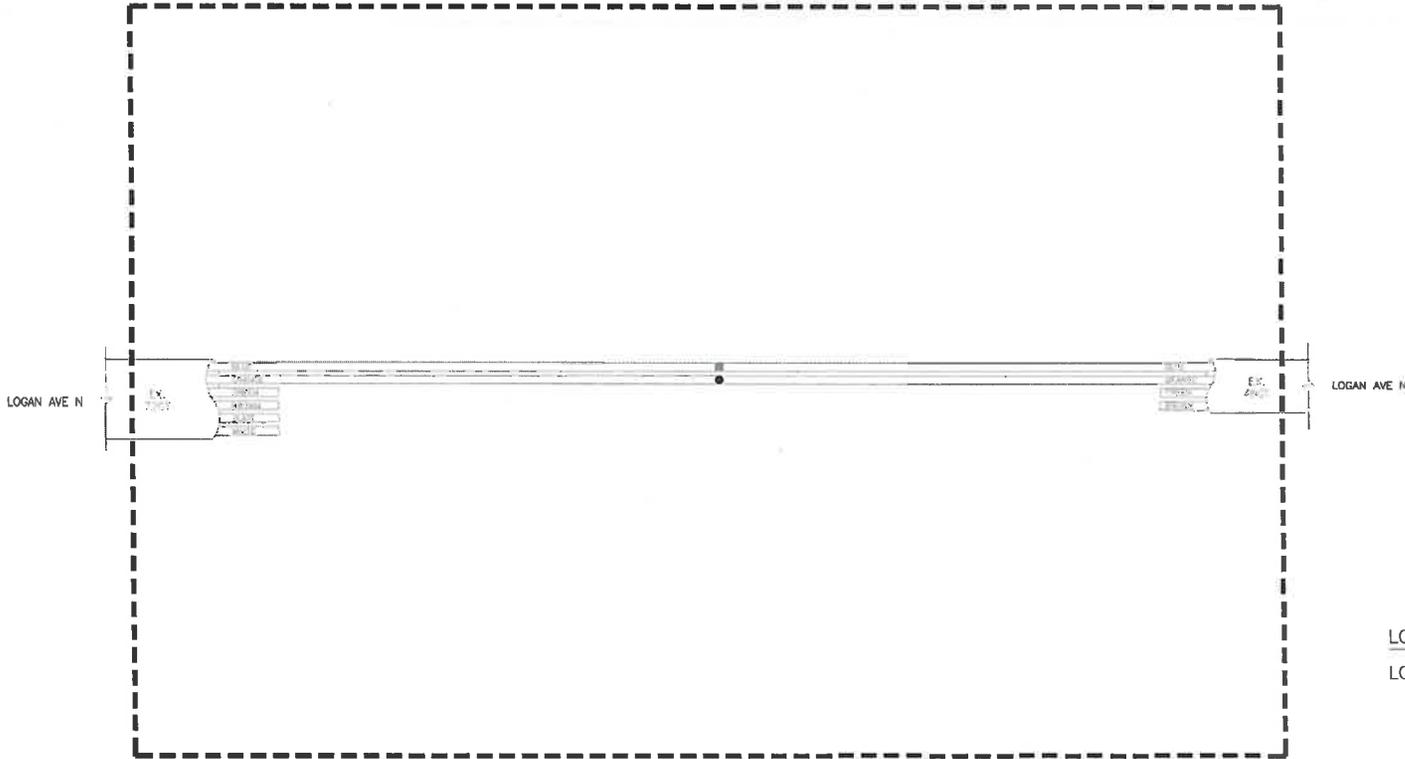
DATE: 10/23/12
DRAWING NO: S41
CHEET No. OF 189 197

S42



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



LOCATION

LOGAN AVE N/PARKING GARAGE - R1531

GENERAL NOTES

1. FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

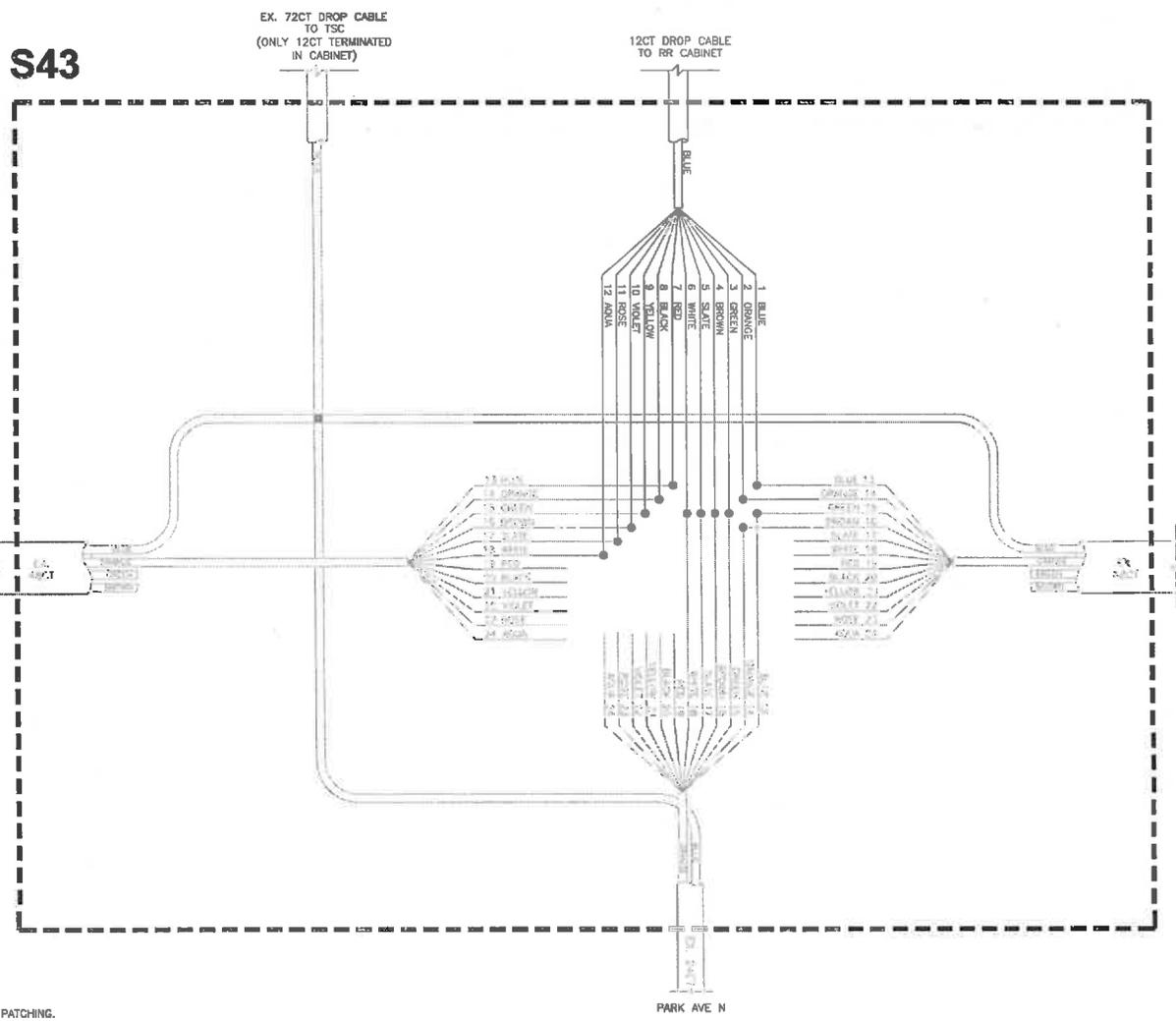
Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICE (USA)

H:\D:\Projects\11182-000 KC F-Line RapidRide\CONFORMED SHA\SPLICE DETAILS.dwg | Layout: S42
PLOTED: Jun 21, 2013 - 03:52:11pm By: mo

<p>CONFORMED FOR CONSTRUCTION</p> <p>MDR MCP 1/22/13</p>		<p>719 Second Ave., Suite 1200 Seattle, Washington 98104 (206) 462-9800 www.dksmodales.com</p>		<p>DESIGNED: M. Powers</p> <p>DRAWN: S. Rohman</p> <p>CHECKED: M. Powers</p> <p>RECOMMENDED: -</p>	<p>PROJECT MANAGER: M. Powers</p> <p>APPROVED:</p>	<p>SCALE: ONE INCH AT FULL SIZE. IF NOT ONE INCH, SCALE ACCORDINGLY</p>		<p>METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT</p> <p>FIBER OPTIC SPLICE DIAGRAM</p>	<p>DATE: 10/23/12</p>
<p>No.</p>	<p>REVISION</p>			<p>APP'D</p>	<p>DATE</p>	<p>CONTRACT NO: C00759C12</p>			<p>SHEET NO. OF 190 197</p>

H:\NGD_Proj\proj\11113-000_KC_F-Line_RapidRideA\CAD\Drawings\Confirmed_S&S\SPRUCEDetails.dwg | Layout: S43
 PLOT: 2/1/2010 10:48:00 AM By: [unclear]



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
 LOGAN AVE N/PARK AVE N - R1517

GENERAL NOTES
 1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-6555
WORKING TOGETHER

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
 719 Second Ave., Suite 1250
 Seattle, Washington 98104
 (206) 362-0830
 www.dksassoc.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE IF NOT ONE INCH, SCALE ACCORDINGLY
DRAWN: C. Rehmen	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	
RECOMMENDED: -	WORK REQUEST: -	
	CONTRACT NO: C00759C12	

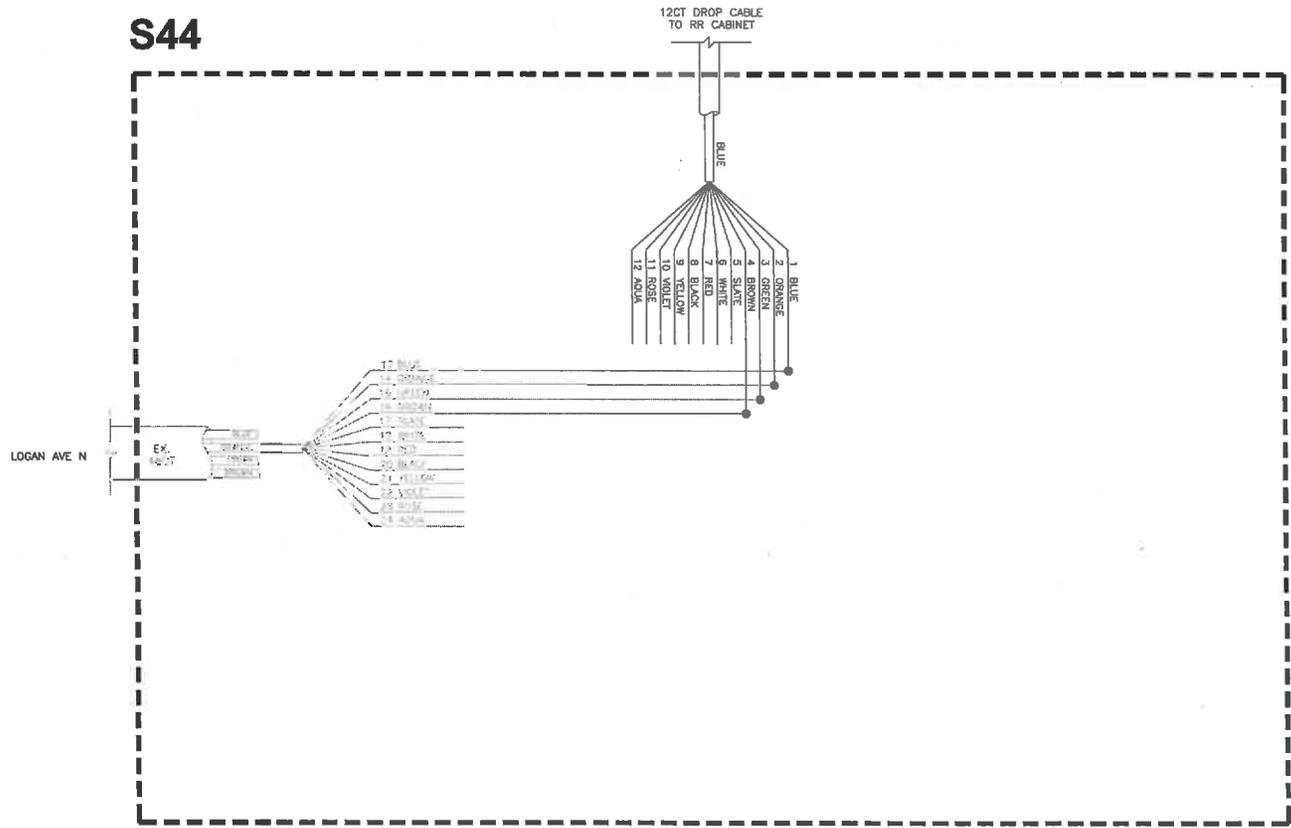


METRO TRANSIT DIVISION
 F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE: 10/23/12
 DRAWING NO: S43
 SHEET NO. OF 191 197

S44



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION

LOGAN AVE N/GARDEN AVE N - R1532

GENERAL NOTES

- 1. SEE DRAWING P2 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNASSISTED SERVICE (USA)

CONFORMED FOR CONSTRUCTION		MOR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 282-8800
www.dksassociates.com



DESIGNED:
M. Powers
DRAWN:
S. Refman
CHECKED:
M. Powers
RECOMMENDED:
-

PROJECT MANAGER:
M. Powers
APPROVED:
-
EIS NO:
-
CONTRACT NO:
C00759C12

SCALE:
ONE INCH AT FULL SIZE
IF NOT ONE INCH, SCALE ACCORDINGLY



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE:	10/23/12
DRAWING NO.:	S44
SHEET NO. OF:	192 197

N:\61_Prospect\11165_000_MG_F-Line_RapidRide\CD\Drawings\Confirmed\Set\SPRUCES\DESIGNS.dwg | Layout: S45
 PLT: 2/1/12 10:30:30am By: mdr

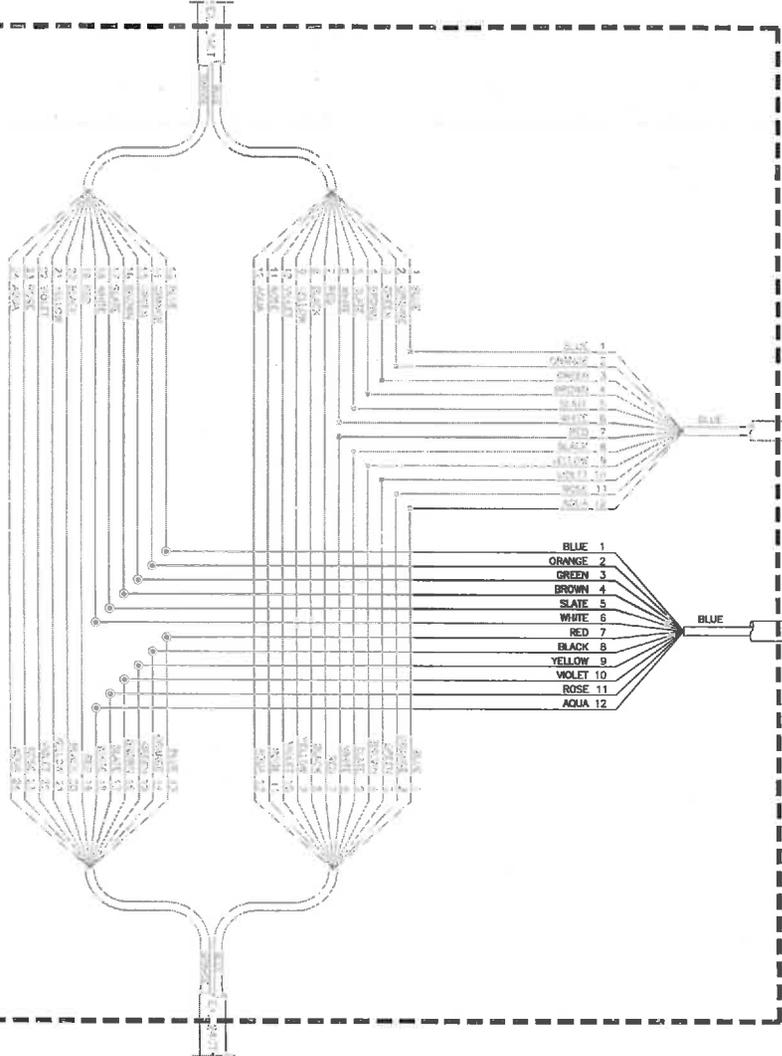
S45

PARK AVE N



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE



12CT DROP CABLE TO RSC CABINET
(ONLY 12CT TERMINATED IN CABINET)

12CT DROP CABLE TO RR CABINET

LOCATION
PARK AVE N/N 10TH ST - R1525

GENERAL NOTES

1. SEE DRAWING P1 FOR FIBER PATCHING.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
710 Second Ave, Suite 1300
Seattle, Washington 98104
(206) 262-6100
www.dksassociates.com



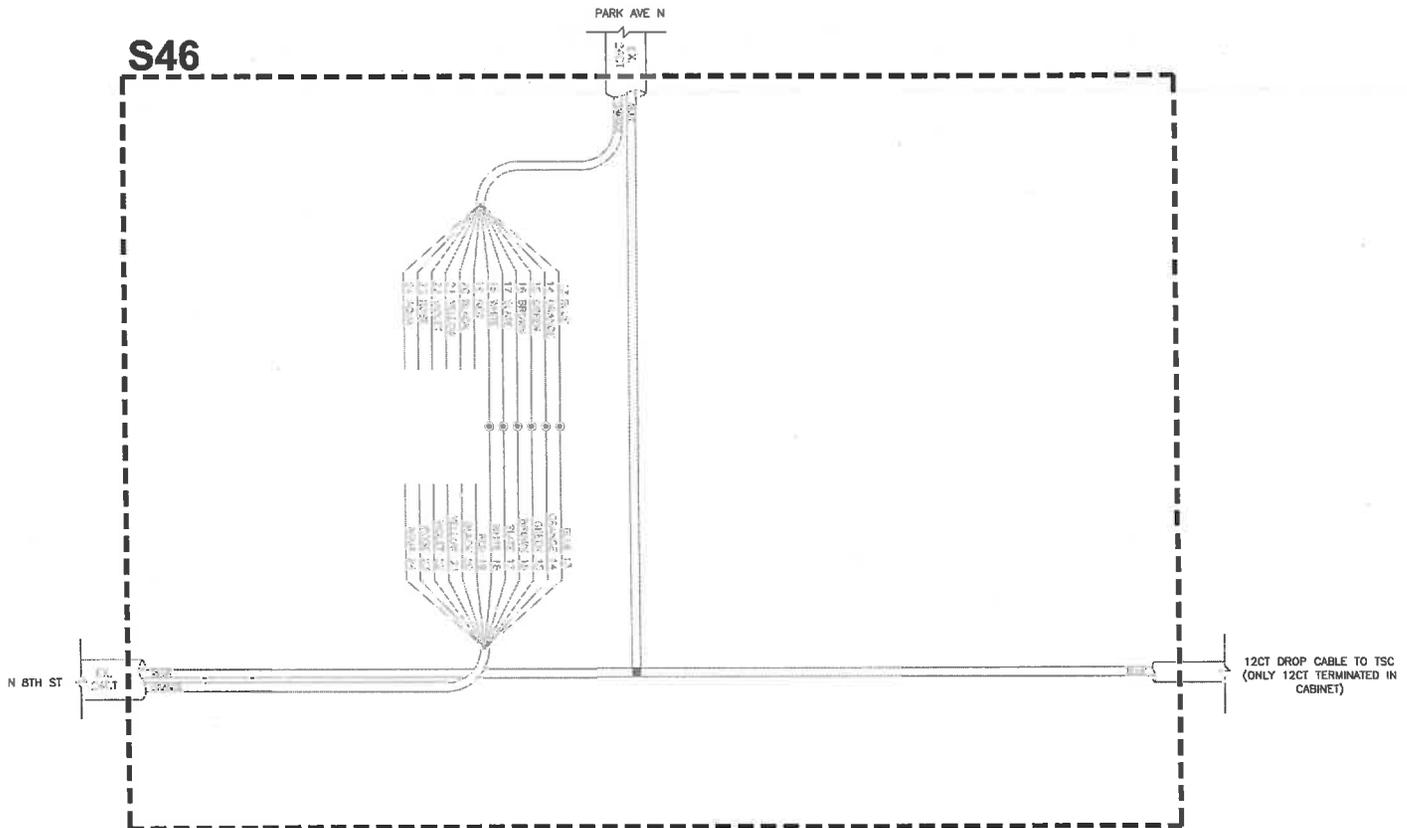
DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Hoffman	APPROVED: M. Powers	SITE LOCATION NO:
CHECKED: M. Powers	ISS NO: -	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO: C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT
FIBER OPTIC SPLICE DIAGRAM

DATE: 10/23/12
DRAWING NO: S45
SHEET NO. OF 193 197

H:\A\Projects\111155_030_WC_F-Line_RapidRide\CAD\Drawings\CONFORMED_S46\SPRIDE_DETAILS.dwg | Layout: S46
 PLOTED: Sun 21 2013 10:30:54 AM By mdr



LEGEND

---	EXISTING FIBER
—	NEW FIBER
•	EXISTING SPLICE
●	NEW SPLICE

LOCATIONS
 N 8TH ST/PARK AVE N - R1533

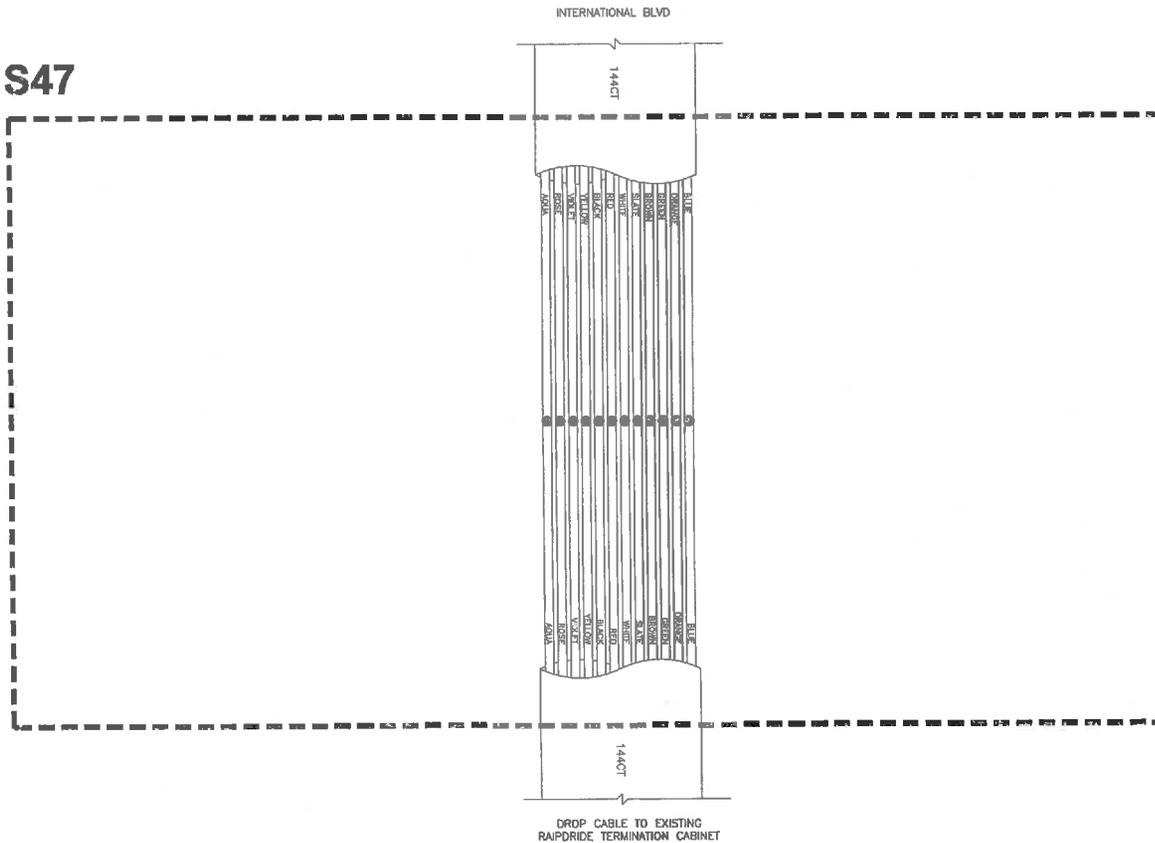
CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.
 1-800-424-5555
UNDERGROUND SERVICE BUREAU

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13	719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 482-6200 www.dksassoc.com	 METRO	 King County Department of Transportation	METRO TRANSIT DIVISION F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT	DATE: 10/23/12
No.	REVISION	BY	APP'D	DATE				DRAWING NO.: S46	SHEET NO. OF: 184 197

DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: S. Rahman	APPROVED:	SITE LOCATION NO.:
CHECKED: M. Powers	REV NO.:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION: -	1" = 1'
-	CONTRACT NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
-	C00759C12	

S47



LEGEND

	EXISTING FIBER
	NEW FIBER
	EXISTING SPLICE
	NEW SPLICE

LOCATION
INTERNATIONAL BLVD/SR 518 EB
ON-RAMP - W512

GENERAL NOTES

- SEE DRAWING P2 FOR FIBER PATCHING.
- FULL TUBE SPLICES SHALL SPLICE FIBERS TO MATCHING INTERNAL COLORS/NUMBERS.

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

Call before you Dig.

1-800-424-5555
UNDERGROUND SERVICES (USG)

CONFORMED FOR CONSTRUCTION		MDR	MCP	R/22/13
No.	REVISION	BY	APP'D	DATE



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE: ONE INCH AT FULL SIZE
DRAWN: S. Rehman	APPROVED: M. Powers	SITE LOCATION NO.:
CHECKED: M. Powers	ISS NO.:	IF NOT ONE INCH, SCALE ACCORDINGLY
RECOMMENDED: -	CONTRACT NO.:	
	C00759C12	



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC SPLICE DIAGRAM

DATE: 10/23/12
DRAWING NO.:
S47
SHEET NO. OF 195 197

FPP-P1: FIBER PATCH CORD CROSS CONNECTION
RAPIDRIDE ITS CABINETS

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	2	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	7	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	8	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	3	FPP-1	9	SPARE (KC METRO)
FPP-1	4	FPP-1	10	SPARE (KC METRO)
FPP-1	5	FPP-1	11	SPARE (KC METRO)
FPP-1	6	FPP-1	12	SPARE (KC METRO)

FPP-P2: FIBER PATCH CORD CROSS CONNECTION
CITY CONTROLLER CABINETS

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	TRAFFIC SIGNAL INTERCONNECT (CITY)
FPP-1	2	SWITCH	1	TRAFFIC SIGNAL INTERCONNECT (CITY)
SWITCH	2	FPP-1	7	TRAFFIC SIGNAL INTERCONNECT (CITY)
SWITCH	2	FPP-1	8	TRAFFIC SIGNAL INTERCONNECT (CITY)
FPP-1	3	FPP-1	9	SPARE (CITY)
FPP-1	4	FPP-1	10	SPARE (CITY)
FPP-1	5	FPP-1	11	SPARE (CITY)
FPP-1	6	FPP-1	12	SPARE (CITY)

FPP-P3: FIBER PATCH CORD CROSS CONNECTION
BURIEN RAPIDRIDE ITS TERMINATION CABINET
SW 153RD ST/4TH AVE SW

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	F LINE RAPIDRIDE (KC METRO)
FPP-1	2	SWITCH	1	F LINE RAPIDRIDE (KC METRO)
FPP-1	3	FPP-1	75	SPARE (KC METRO)
FPP-1	4	FPP-1	76	SPARE (KC METRO)
FPP-1	5	FPP-1	77	SPARE (KC METRO)
FPP-1	6	FPP-1	78	SPARE (KC METRO)
FPP-1	7	SWITCH	2	F LINE RAPIDRIDE-153RD TO SR 99 (KC METRO)
FPP-1	8	SWITCH	2	F LINE RAPIDRIDE-153RD TO SR 99 (KC METRO)
FPP-1	25	SWITCH	9	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	26	SWITCH	9	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	27	FPP-1	99	SPARE (KC METRO)
FPP-1	28	FPP-1	100	SPARE (KC METRO)
FPP-1	29	FPP-1	101	SPARE (KC METRO)
FPP-1	30	FPP-1	102	SPARE (KC METRO)
FPP-1	31	SWITCH	10	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	32	SWITCH	10	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	73	SWITCH	3	F LINE RAPIDRIDE (KC METRO)
FPP-1	74	SWITCH	3	F LINE RAPIDRIDE (KC METRO)
FPP-1	75	FPP-1	3	SPARE (KC METRO)
FPP-1	76	FPP-1	4	SPARE (KC METRO)
FPP-1	77	FPP-1	5	SPARE (KC METRO)
FPP-1	78	FPP-1	6	SPARE (KC METRO)
FPP-1	79	SWITCH	4	F LINE RAPIDRIDE (KC METRO)
FPP-1	80	SWITCH	4	F LINE RAPIDRIDE (KC METRO)
FPP-1	97	SWITCH	11	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	98	SWITCH	11	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	99	FPP-1	27	SPARE (KC METRO)
FPP-1	100	FPP-1	28	SPARE (KC METRO)
FPP-1	101	FPP-1	29	SPARE (KC METRO)
FPP-1	102	FPP-1	30	SPARE (KC METRO)
FPP-1	103	SWITCH	12	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-1	104	SWITCH	12	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-2	1	SWITCH	5	ROUTE 120 (KC METRO)
FPP-2	2	SWITCH	5	ROUTE 120 (KC METRO)
FPP-2	7	SWITCH	6	ROUTE 120 (KC METRO)
FPP-2	8	SWITCH	6	ROUTE 120 (KC METRO)
FPP-2	25	SWITCH	13	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-2	26	SWITCH	13	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-2	31	SWITCH	14	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-2	32	SWITCH	14	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-3	1	SWITCH	60	BACKHAUL TO KCWAN (VIA BURIEN TC)
FPP-3	2	SWITCH	60	BACKHAUL TO KCWAN (VIA BURIEN TC)
FPP-3	13	SWITCH	7	ROUTE 120 (KC METRO)
FPP-3	14	SWITCH	7	ROUTE 120 (KC METRO)
FPP-3	19	SWITCH	15	TRAFFIC SIGNAL INTERCONNECT (BURIEN)
FPP-3	20	SWITCH	15	TRAFFIC SIGNAL INTERCONNECT (BURIEN)

FPP-1: 144CT PRETERMINATED PANEL
FPP-2: 72CT PRETERMINATED PANEL (RT 120)
FPP-3: 24CT PRETERMINATED PANEL

FPP-P4: FIBER PATCH CORD CROSS CONNECTION
BURIEN TRANSIT CENTER COMMUNICATIONS ROOM

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	G1	BACKHAUL TO KCWAN
FPP-1	2	SWITCH	G1	BACKHAUL TO KCWAN

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDISBURSED SERVICE (USA)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	1/22/13
No.	REVISION	BY	APP'D	DATE

DKS
718 Second Ave., Suite 1200
Seattle, Washington 98104
(206) 462-4800
www.dksinc.com



DESIGNED: M. Powers
DRAWN: M. Powers
CHECKED: W. Turner
RECOMMENDED: M. Powers
PROJECT MANAGER: M. Powers
APPROVED: M. Powers
SCALE: ONE INCH AT FULL SIZE
SITE LOCATION NO.:
DATE: 1/22/13
CONTRACT NO.: C00759C12



METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
PATCH TABLES

DATE: 10/23/12
DRAWING NO.: P1
SHEET NO. OF 196 197

FPP-P5: FIBER PATCH CORD CROSS CONNECTION
SEATAC RAPIDRIDE ITS TERMINATION CABINET
SR 518/INTERNATIONAL BLVD

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	11	F LINE RAPIDRIDE-EAST (KC METRO)
FPP-1	2	SWITCH	11	F LINE RAPIDRIDE-EAST (KC METRO)
FPP-1	3	FPP-1	75	SPARE (KC METRO)
FPP-1	4	FPP-1	76	SPARE (KC METRO)
FPP-1	5	FPP-1	77	SPARE (KC METRO)
FPP-1	6	FPP-1	78	SPARE (KC METRO)
FPP-1	7	SWITCH	12	F LINE RAPIDRIDE-SR 99 TO 62ND (KC METRO)
FPP-1	8	SWITCH	12	F LINE RAPIDRIDE-SR 99 TO 62ND (KC METRO)
FPP-1	73	SWITCH	13	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	74	SWITCH	13	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	75	FPP-1	3	SPARE (KC METRO)
FPP-1	76	FPP-1	4	SPARE (KC METRO)
FPP-1	77	FPP-1	5	SPARE (KC METRO)
FPP-1	78	FPP-1	6	SPARE (KC METRO)
FPP-1	79	SWITCH	14	F LINE RAPIDRIDE-SR 99 TO 153RD (KC METRO)
FPP-1	80	SWITCH	14	F LINE RAPIDRIDE-SR 99 TO 153RD (KC METRO)
FPP-1	87	SWITCH	15	TRAFFIC SIGNAL INTERCONNECT (SEATAC)
FPP-1	98	SWITCH	15	TRAFFIC SIGNAL INTERCONNECT (SEATAC)
FPP-1	103	SWITCH	16	TRAFFIC SIGNAL INTERCONNECT (SEATAC)
FPP-1	104	SWITCH	16	TRAFFIC SIGNAL INTERCONNECT (SEATAC)
FPP-1	109	SWITCH	17	TRAFFIC SIGNAL INTERCONNECT-SR 99 TO 153RD
FPP-1	110	SWITCH	17	TRAFFIC SIGNAL INTERCONNECT-SR 99 TO 153RD

FPP-P6: FIBER PATCH CORD CROSS CONNECTION
TUKWILA RAPIDRIDE ITS TERMINATION CABINET
62ND AVE S/SOUTHCENTER BLVD

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	F LINE RAPIDRIDE-EAST (KC METRO)
FPP-1	2	SWITCH	1	F LINE RAPIDRIDE-EAST (KC METRO)
FPP-1	3	FPP-1	75	SPARE (KC METRO)
FPP-1	4	FPP-1	76	SPARE (KC METRO)
FPP-1	5	FPP-1	77	SPARE (KC METRO)
FPP-1	6	FPP-1	78	SPARE (KC METRO)
FPP-1	7	SWITCH	2	F LINE RAPIDRIDE-62ND TO RAINIER (KC METRO)
FPP-1	8	SWITCH	2	F LINE RAPIDRIDE-62ND TO RAINIER (KC METRO)
FPP-1	17	SWITCH	60	BACKHAUL TO KCWAN (VIA TUKWILA TRANSVALLEY)
FPP-1	18	SWITCH	60	BACKHAUL TO KCWAN (VIA TUKWILA TRANSVALLEY)
FPP-1	73	SWITCH	3	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	74	SWITCH	3	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	75	FPP-1	3	SPARE (KC METRO)
FPP-1	76	FPP-1	4	SPARE (KC METRO)
FPP-1	77	FPP-1	5	SPARE (KC METRO)
FPP-1	78	FPP-1	6	SPARE (KC METRO)
FPP-1	79	SWITCH	4	F LINE RAPIDRIDE-62ND TO SR 99 (KC METRO)
FPP-1	80	SWITCH	4	F LINE RAPIDRIDE-62ND TO SR 99 (KC METRO)

FPP-P7: FIBER PATCH CORD CROSS CONNECTION
ANDOVER PARK W/BAKER BLVD RAPIDRIDE ITS CABINET

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	2	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	7	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	8	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	3	FPP-1	9	SPARE (KC METRO)
FPP-1	4	FPP-1	10	SPARE (KC METRO)
FPP-1	5	FPP-1	11	SPARE (KC METRO)
FPP-1	6	FPP-1	12	SPARE (KC METRO)
FPP-1	13	FPP-1	19	SPARE (KC METRO)
FPP-1	14	FPP-1	20	SPARE (KC METRO)
FPP-1	15	FPP-1	21	SPARE (KC METRO)
FPP-1	16	FPP-1	22	SPARE (KC METRO)
FPP-1	17	FPP-1	23	SPARE (KC METRO)
FPP-1	18	FPP-1	24	SPARE (KC METRO)

FPP-P8: FIBER PATCH CORD CROSS CONNECTION
RENTON RAPIDRIDE ITS TERMINATION CABINET
RAINIER AVE S/SW 7TH ST

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	2	SWITCH	1	F LINE RAPIDRIDE-WEST (KC METRO)
FPP-1	3	FPP-1	75	SPARE (KC METRO)
FPP-1	4	FPP-1	76	SPARE (KC METRO)
FPP-1	5	FPP-1	77	SPARE (KC METRO)
FPP-1	6	FPP-1	78	SPARE (KC METRO)
FPP-1	7	SWITCH	2	F LINE RAPIDRIDE-RAINIER TO 62ND (KC METRO)
FPP-1	8	SWITCH	2	F LINE RAPIDRIDE-RAINIER TO 62ND (KC METRO)
FPP-1	73	SWITCH	3	F LINE RAPIDRIDE-NORTH (KC METRO)
FPP-1	74	FPP-1	3	F LINE RAPIDRIDE-NORTH (KC METRO)
FPP-1	75	FPP-1	4	SPARE (KC METRO)
FPP-1	76	FPP-1	4	SPARE (KC METRO)
FPP-1	77	FPP-1	5	SPARE (KC METRO)
FPP-1	78	FPP-1	6	SPARE (KC METRO)
FPP-1	79	SWITCH	4	F LINE RAPIDRIDE-NORTH (KC METRO)
FPP-1	80	SWITCH	4	F LINE RAPIDRIDE-NORTH (KC METRO)
FPP-1	85	SWITCH	5	F LINE RAPIDRIDE-LANDING (KC METRO)
FPP-1	86	SWITCH	5	F LINE RAPIDRIDE-LANDING (KC METRO)
FPP-1	91	SWITCH	6	F LINE RAPIDRIDE-LANDING (KC METRO)
FPP-1	92	SWITCH	6	F LINE RAPIDRIDE-LANDING (KC METRO)
FPP-1	109	SWITCH	G1	BACKHAUL TO KCWAN (VIA RENTON TRAFFIC BUSTER)
FPP-1	110	SWITCH	G1	BACKHAUL TO KCWAN (VIA RENTON TRAFFIC BUSTER)
FPP-1	111	SWITCH	G0	BACKHAUL TO KCWAN (VIA RENTON TRANSVALLEY)
FPP-1	112	SWITCH	G0	BACKHAUL TO KCWAN (VIA RENTON TRANSVALLEY)

FPP-P9: FIBER PATCH CORD CROSS CONNECTION
LOGAN AVE N/N 8TH ST RAPIDRIDE ITS CABINET

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	2	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	7	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	8	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	3	FPP-1	9	SPARE (KC METRO)
FPP-1	4	FPP-1	10	SPARE (KC METRO)
FPP-1	5	FPP-1	11	SPARE (KC METRO)
FPP-1	6	FPP-1	12	SPARE (KC METRO)
FPP-1	13	SWITCH	3	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	14	SWITCH	3	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	19	SWITCH	G0	BACKHAUL TO 7TH/RAINIER TERMINATION CABINET
FPP-1	20	SWITCH	G0	BACKHAUL TO 7TH/RAINIER TERMINATION CABINET

FPP-P10: FIBER PATCH CORD CROSS CONNECTION
LOGAN AVE N/GARDEN AVE N RAPIDRIDE ITS CABINET

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	2	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	3	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	4	RAPIDRIDE COMMUNICATION (KC METRO)

FPP-P11: FIBER PATCH CORD CROSS CONNECTION
S 3RD ST/BURNETT AVE S RAPIDRIDE ITS CABINETS

FIBER PANEL	FIBER PORT	FIBER PANEL	FIBER PORT	INTENTION
FPP-1	1	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	2	SWITCH	1	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	11	RAPIDRIDE COMMUNICATION (KC METRO)
SWITCH	2	FPP-1	12	RAPIDRIDE COMMUNICATION (KC METRO)
FPP-1	3	FPP-1	7	SPARE (KC METRO)
FPP-1	4	FPP-1	8	SPARE (KC METRO)
FPP-1	5	FPP-1	9	SPARE (KC METRO)
FPP-1	6	FPP-1	10	SPARE (KC METRO)

CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, LOCATE & PROTECT EXISTING UTILITIES DURING CONSTRUCTION. CONTACT KING COUNTY METRO IF DISCREPANCIES ARE FOUND.

1-800-424-5555
UNDERGROUND SERVICE (UGS)

Call before you Dig.

CONFORMED FOR CONSTRUCTION		MDR	MCP	11/22/13
No.	REVISION	BY	APP'D	DATE

DKS
719 Second Ave., Suite 1250
Seattle, Washington 98104
(206) 342-6800
www.dksassociates.com



DESIGNED: M. Powers	PROJECT MANAGER: M. Powers	SCALE:
DRAWN: W. Turner	APPROVED:	SITE LOCATION NO:
CHECKED: M. Powers	URS NO:	ONE INCH AT FULL SIZE
RECOMMENDED:	DATE REVISION: -	1" = 1'
	CONTRACT NO:	IF NOT ONE INCH, SCALE ACCORDINGLY
	C00759C12	

King County
Department of Transportation

METRO TRANSIT DIVISION
F LINE RAPIDRIDE ITS CORRIDOR IMPROVEMENT

FIBER OPTIC
PATCH TABLES

DATE: 10/23/12
DRAWING NO: P2
SHEET NO. OF 197 197

Amendment No. 3 to
2011 – 2014 CONTRACT FOR ANIMAL CONTROL SERVICES
City of Burien and Community Animal Resource Education Society (CARES),
dba Burien Animal Care and Control
(Burien Contract No. 3433)

The 2011-2014 Contract for Animal Control Services dated June 13, 2011 between the City of Burien and Community Animal Resource Education Society (CARES) dba Burien Animal Care and Control Burien shall be amended as follows:

Provision No. 2 Compensation and Method of Payment on page 1.

Starting August 1, 2013, the annual amount to be paid by the City to the Contractor shall be increased by \$50,000 from \$120,000 per year to a revised amount of \$170,000 per year.

For the period August 1, 2013 to August 31, 2014, the annual amount of \$170,000 shall consist of monthly payments of \$12,916.67 and a lump sum payment of \$15,000. The lump sum payment shall be for capital expenditures necessary for the Contractor to provide the services under this Agreement and shall include, but not be limited to, the following items:

- a) Installation of a sink and dishwasher at the CARES office located at 909 SW 151st Street, Burien, WA 98166,
- b) Installation of ventilation in the CARES holding room,
- c) Building of vaccination room at the CARES office,
- d) Purchasing of uniforms and badges for CARES staff, and
- e) Purchasing of extra scanner and microchips.

The Contractor shall submit invoices or other acceptable documentation to the City verifying that the cost of such items is at least \$15,000. If the total amount is less than \$15,000, the City shall increase the monthly payments by whatever amount results in the total annual compensation equaling \$170,000.

For the period August 1, 2014 through August 31, 2016, the amount to be paid by the City to the Contractor shall be \$14,166.67 per month. This amount may be increased by a Cost of Living Adjustment (COLA) equal to the amount given to City staff, not to exceed 3% annually. The COLA, if applicable, would be effective from August 1, 2014 to August 31, 2015 based on the COLA given to City Staff for 2014 and from September 1, 2015 to August 31, 2016 based on the COLA given to City Staff for 2015.

The total amount to be paid to the Contractor from June 15, 2011 to July 31, 2013 shall not exceed \$255,000. The total amount to be paid to the Contractor from August 1, 2013 to August 31, 2016 shall not exceed \$510,000, subject to potential annual COLA increases as described above. Any COLA increases shall be done by written amendment to this Contract.

Provision No. 3 Duration of Agreement and Contract Review on page No. 1.

The Agreement is extended by two years until August 31, 2016. Another review of the contract terms and services by both parties shall be done by August 31, 2014 and continue to be done periodically thereafter to determine if modifications to the scope of services and compensation are needed.

Provision No. 18 Notices on page 8.

Administrative notices to the City of Burien shall be sent to the following revised City contact person:

Nhan Nguyen, Management Analyst
City of Burien
400 SW 152nd St, Suite 300
Burien, Washington 98166
Telephone: (206) 439-3165
E-mail: NhanN@burienwa.gov

Notices to the Contractor shall be sent to the following revised address:

Debra George, CARES Executive Director
909 SW 151st Street
Burien, WA 98166
Telephone: (206) 812-2737
After Hours Emergency Number: (206) 941-7199
E-mail: DebraGeorgeMi@aol.com

Exhibit A Duties and Responsibilities of the Contractor is amended by revising Section 16 and adding Sections 20, 21, and 22, to read as follows:

16. Activities Not Covered:

- a) ~~Removing dead animals from City roadways and rights-of-ways.~~
- b) ~~Responding to complaints or incidents involving wild animals, except where it is in the interest of public safety that the Contractor responds or to the extent of notifying the State Department of Fish and Wildlife.~~

e)a) Rehabilitating and restoring to health animals that have been injured, neglected or abused beyond basic care needed to stabilize an animal during the impound period.

20. Removing Dead Animals. The Contractor will assume responsibility of picking up all dead animals in City roadways and rights-of-way including domestic and wild animals. The Contractor will take the following actions after picking up dead domestic animals:

- a. Scan for microchip
- b. Photograph

- c. Cross check with any missing animal reports
- d. Contact owner if known
- e. Hold in freezer for pick-up or cremation
- f. Keep an active archive of dead animals for public review.

21. Wildlife complaints. The Contractor will respond to complaints or incidents involving wild animals when it is in the interest of public safety and will notify the State Department of Fish and Wildlife when it is necessary and appropriate.

22. Miscellaneous.

- a. The Contractor will have a back-up Enforcement Officer (Animal Control Officer (ACO)) available, either on staff or by contract, to fill in for the main ACO when he/she is on vacation, medical, or other leave.
- b. The Animal Control Officer or other designated staff person shall be trained in animal behavior assessment for purposes of helping determine when an animal should be euthanized.
- c. All Contractor staff shall receive ongoing and periodic training for purposes of ensuring accurate data entry and program management.
- d. The Contractor shall take action to remedy the operational issues identified in the 2013 McVicker report, which is attached as Exhibit A-1.

All other terms and conditions of the above referenced contract shall remain the same.

These changes shall become effective on August 1, 2013.

CITY OF BURIEN

COMMUNITY ANIMAL RESOURCE
EDUCATION SOCIETY (CARES)

By: _____

By: _____

Title: City Manager

Title: _____

Date: _____

Date: _____

EXHIBIT A-1

Burien C.A.R.E.S. Program Evaluation

The City of Burien contracts for animal control services with the Community Animal Resource Education Society (C.A.R.E.S.), a 501c(3) non-profit corporation. C.A.R.E.S. is licensed to do business in the City of Burien and has the insurance required by contract. C.A.R.E.S. is listed on the Secretary of State's website and is listed as "Not required to register."

Dr. Leslie Kasper was the initial contractor for the City of Burien once they chose not to renew their contract with King County. Dr. Kasper realized that it was too much work for a single person to do and chose not to continue in the capacity as the provider of Animal Care and Control for Burien. C.A.R.E.S. submitted a bid proposal and was accepted as the Burien Animal Care and Control agency to take over Animal Care and Control. Initially C.A.R.E.S. used PJ's Pet Ranch for the housing of their animals. PJ's Pet Ranch is still utilized from time to time for specific boarding requirements.

Under the contract, C.A.R.E.S. provides animal control to the City of Burien and enforces the animal control regulations set forth in the City's Municipal Code, Ordinance No. 543 which adopted portions of Title 11 of the King County Code. C.A.R.E.S. is meeting the public safety needs in terms of animal control and is open 40 hours per week as specified in the contract.

The evaluation included a 2 day site visit on February 26th and 27th, 2013. During that time I observed the daily work that the staff and volunteers carried out, interviewed staff and Debra George, and collected printed materials and reports for the study.

FIELD SERVICES

Ray Helms is the sole animal control officer and he is also responsible for the care and health of the animals. Ray has received the National Animal Control Association (NACA) level 1 training certificate. Part of the training at NACA included bite stick training which Ray has access to in the vehicle he drives. The bite stick is a personal protection device. Ray would benefit from the Washington Animal Control Association Academy (WACA) training. Until this time, Burien's officer has been denied entrance to the academy. I have arranged, with the assistance of Pierce County's Animal Care and Control Supervisor, an opportunity for Ray to enter the academy next year. In order to enter the training program he must complete and pass the background check required by the Criminal Justice Training Commission prior to inclusion in the program. The goal of completing the WACA academy training is recommended. Ray also expressed a clear interest in attending as many other training opportunities as possible. Ray earns approximately \$45,000 per year.

Additionally, Ray would benefit by spending some additional time riding along with experienced Animal Control Officers from some nearby jurisdictions. It is also advised

to continue to visit area shelters in an effort to expand learning and incorporate best practices into the daily operation of the C.A.R.E.S. shelter.

Neither Ray nor any other staff have rabies prophylaxis or have had rabies titers preformed. Rabies is not endemic to domestic animals in the area of Western Washington and there would be benefit in talking with the Health Department as to their recommendation.

From viewing some of the calls that Ray recently received, it is apparent that he works hard to be sure that all requests for service receive a response or call back within 24 hours, as required by contract. He also makes his contacts personal as he gathers information from the citizen and then makes arrangements for an appointment. Emergency requests have a response time of 30 minutes most of the time.

During conversation surrounding the activities not covered under the contract, I discovered that there is currently no mechanism for reporting the pick-up of dead animals from City roadways and rights-of-way as required by the PPM, page 11. C.A.R.E.S. is not responsible for this task and as such, when an individual has lost their pet, they may not get closure because there is no recording of those deceased pick-ups. Staff said they have never had any reports from Public Works about deceased animal pick-ups. It is necessary for Burien's Public Works department crews to report a description of any deceased domestic animal to C.A.R.E.S. which shall include the breed, color, size, sex and where the deceased animal was found as required in the PPM. C.A.R.E.S. then will maintain the record so that any citizen looking for their lost pet may be apprised of the information.

As I viewed reports of the types of calls that C.A.R.E.S. receives, responds to and completes, it became apparent that the requests for service are not being logged into a database for management. C.A.R.E.S. utilizes the Pet Point software package, a web-hosted product. The company provides web-based training and 24/7 user support. Since Pet Point is a Web-hosted or cloud-based product, they provide backups of the database.

Currently, all requests for service are recorded by hand and counted by hand. Utilizing a database to record and manage all service requests would be responsible, accurate and time-saving. Pet Point has the ability to record those requests and then the officer can complete his report and record the outcome into Pet Point. You can also connect the animals that are impounded as a result of a service request or complaint. Reporting is an automatic process. There are many stock reports available to the agency and recently they have made the ability to write your own reports available. It will allow the user to pull certain information based on the parameters they set. Taking the time to learn all aspects of the program is the major holdback with the current staff limitations.

Currently Ray is the only fully trained staff. Training and daily duties include all animal care, customer service and animal control. If Ray is injured or needs a vacation he has no backup staff with full training. Robert would only be able to take over some of the duties

with Debra George giving him direction. This seems to be a liability to the daily operation of C.A.R.E.S. if Ray is not available.

ANIMAL CARE

There were 3 dogs and 8 cats at the shelter. One of the dogs went home late on the first day. All kennels and cat cages were clean, or in the end process of cleaning when I arrived. C.A.R.E.S. has about 12 regular, reliable volunteers that come to the shelter to help care for the animals. One individual comes daily just to care for the cats. He was thorough and maintained a quiet demeanor as he moved from cage to cage.

The volunteer followed the guidelines for control disease transmission by changing his gloves between cages as required in the Burien Animal Care and Control Policy and Procedures Manual (PPM) page 26. The cat enclosures allow for the ideal triangulated space for the cats as there is approximately 2 feet between the resting, letterbox and feeding areas as recommended in the Guidelines for Standards of Care in Animal Shelters (SOC), page 14. While the material the cat enclosures are constructed of is not ideal, the surfaces were prepared to conform to the standards set by the health department. C.A.R.E.S. was required to seal the surfaces of the enclosures with a product to prevent penetration of liquids. The sealant on the surfaces will wear down over time and will no longer be impermeable which will then allow pathogens to multiply and will be difficult to clean and disinfect.

There is also adequate space between the banks of cat enclosures that face each other. It is recommended that there be a distance of no less than 4 feet to avoid the transmission of aerosolized pathogens. This spacing prevents the spread of feline respiratory viruses.

The SOC document was published by the Association of Shelter Veterinarians and is included as an attachment to this evaluation. I recommend that each staff person familiarize themselves with this document as it is the gold standard for shelter animal care and that it be required reading for any and all future staff as well. Many of the policies and procedures in the PPM are taken directly from the SOC.

During cleaning, cats are regularly removed from their cages into a small visitation room. This is unnecessary as the recommendations of the SOC and best practices recommends that unless the cage itself is soiled, there should only be spot cleaning done with the cat remaining in the cage as it may reduce stress and therefore illness in the feline population. In fact, this information is included in the PPM. The exceptions to this practice listed in the PPM include times of disease outbreak or if the cages are heavily soiled with mucus, feces, blood or urine, if the cat poses a danger to human safety, or when a new cat is being placed into a cage vacated by another cat. Currently the floor and items in the visitation room are not cleaned or sanitized between cats which can cause the spread of disease. The Infection Control Plan (ICP) says if the animal is moved it should be into a temporary cage which is cleaned and disinfected after each use which is more appropriate if the cat is removed from its cage during cleaning.

The products used, as recommended by the King County Health department, are approved for cleaning and disinfection around dogs and cats. However, the mixing of the product requires personal safety considerations. Chemical goggles may be required in the case of possibility of splash with Fabuloso, bleach or Top Performance 256. The 256 product is mixed in the ratio of 1:25. At the time of mixing a new bottle to spray the kennels, I noted there were no personal safety devices worn by the staff. There was also not an easily consulted mixing chart for the product dilution ratio. The product was poured from a larger storage bottle into a spray bottle. Once the staff realized the product should be diluted the excess product was poured back into the original storage container. The bottle was then consulted for the appropriate ratio. Splashing or skin contact could have occurred at either time.

The current process for cleaning the dog kennels is to spray the diluted Fabuloso mixture on the walls, floors and gate surfaces, scrub with a brush and then mop the excess product out with a mop or towel. Then the surfaces are sprayed with 256, allowed to work for 10 minutes and then hand wiped with a towel. The PPM lists that the solid fecal material be scooped; detergent sprayed on every surface and scrubbed with a stiff brush; cage walls and floors and then rinsed; spray all surfaces with disinfectant and after 10 minutes rinse with clear water. Then the runs are to be squeegeed dry. There is currently no rinsing with fresh water during the cleaning process, except when the kennel run needs the initial organic material removed that cannot be removed with a scoop. The cleaning process needs to be updated in the kennels to conform to the PPM. Currently the ICP says to rinse surface with clean water which is in alignment with the PPM and SOC.

Fabuloso is mixed with bleach for the mopping of floors and cleaning of walls in the kennel and other areas. This is not appropriate as the label for Fabuloso lists that strong oxidizing agents are incompatible with the product. Bleach is an oxidizing agent and as such should not be mixed with Fabuloso. There were separate MSDS sheets for Fabuloso and bleach in the PPM notebook.

The animal control vehicle is cleaned in the same way as the kennels are currently cleaned.

The application of Fabuloso is for cleaning and detergent effect only. Fabuloso is not a disinfectant. All organic material must be cleaned from surfaces for disinfecting agents to work. The SOC clearly states that once the surface is clean or organic material, there must be the application of a disinfectant at the correct concentration and for sufficient time, rinsing and drying. 256 is a disinfectant, as is bleach. Mixing Fabuloso with bleach is not a substitute as the two products together do not provide the necessary or proper cleaning and disinfection.

Wherever possible, mopping should be avoided and hosing should be the primary method for rinsing. Mopping one kennel or area and then using that contaminated water to mop another area is counter-productive.

Pet food and water dishes are washed in a sink in the kennel area. There is currently inadequate sink and counter space to provide for the disinfection of pet dishes. The sink has a single compartment. Dishes are washed with detergent and rinsed and then placed to dry on a towel on the counter next to the sink. Without the use of a commercial sanitizer or commercial dishwasher the recommendation would be to dip the dishes in an appropriately diluted bleach solution, using a separate container for the mixture and then allow them to air dry on a raised platform such as a sink drainer. If a towel is used for the dishes to drain upon then it must be changed regularly to prevent any contamination.

Litter boxes are washed with detergent and water and are not disinfected between cats. It is advised that litter boxes should be disinfected between cats.

There are exhaust fans located in both the dog kennel area and the cat enclosure area. The one in the dog kennel handles 1500 CFM and the kennel area is approximately 1200 sq ft. The SOC calls for 10 to 20 per hour as the standard recommendation. Provided there is adequate outside air and the fan is working to capacity, the dog kennel area seems pretty close to the requirement. For actual verification it is recommended a HVAC company be hired that can measure the air changes per hour to see if the building conforms to the standard.

The quarantine room presents some unique challenges. This is a room that is within the dog kennel area but is a separate room. It is completely enclosed and has no separate ventilation system. It is used as the initial holding place for many of the animals that come into the shelter on either the weekend or a holiday. The area has a large crate placed upon a wooden pallet. The pallet should be removed from the room as it is nearly impossible to properly disinfect.

This room is also used for short term quarantine if there is a dog that has bitten and it needs to be confined away from other animals and people until it can be boarded for quarantine at one of the veterinary hospitals. It is recommended that the room have a lock that requires a key or combination to open the door so that volunteers or the public does not inadvertently enter the room if it contains an animal being held for biting for the short term. There are no additional spaces available besides this one room that allows for isolation in the case of multiple animals coming in at once or multiple aggressive animals. In some cases, whenever possible, biting animals are quarantined at their owner's home when the owner is known and the owner has adequate confinement. The dog kennels are arranged in such a way that they do not face each other and would work for separation of dogs that are easily confined and do not pose an escape hazard. Padlocks should be available to lock the kennels that contain stray dogs. This will assist in keeping the dogs secure as they wait for their owner to claim them. There is a duty and responsibility to keep animals that are not yet the property of the shelter safe and secure while they wait for their stray hold time to expire. There are currently no written protocols in place for the handling of dangerous or potentially dangerous animals. Ray admitted that these are in his head and need written documentation.

If an animal needs to be quarantined from the rest of the population because it is ill, upon impound it remains at the veterinary hospital for boarding until the veterinarian deems it healthy to return to the shelter.

If a stray dog comes in delivered by a member of the public, it is placed in the quarantine room while waiting for an opportunity to visit the veterinarian. If the animal is picked up by staff during regular business hours it is transported to the veterinary hospital first and then to the shelter if it is determined to be healthy. All incoming animals see a veterinarian at either Burien Veterinary Hospital or South Seattle Veterinary Hospital. This happens sometime between less than a day and the 3rd day after the animal is brought to the shelter. The animals are not normally vaccinated at intake or initial examination, but after the stray hold period is up and the animal is determined to be healthy and friendly. If, at the time of impound, the animal appears ill or injured then the visit to the veterinarian is immediate. Injured animals are stabilized and given pain medication. If the animal is seriously injured the veterinarian may make the decision to euthanize. C.A.R.E.S. regularly makes decisions to treat and repair all otherwise healthy animals.

There is a separate space away from the cat enclosures that has 2 large crates to keep any stray or feral cats the shelter may get. Any cat that is examined by the veterinary clinic after intake and is found to be ill does not return to the shelter. This lowers the risk of illness for the rest of the feline population.

ANIMAL INTAKE

The contract that C.A.R.E.S. has with the City of Burien specifically requires them to apprehend and impound stray dogs. For any evictions or other police actions, all animals are taken immediately – no questions asked. There is no specific requirement to take stray cats, nor is there a requirement to accept owner surrendered animals. C.A.R.E.S. accepts, from time to time as space and resources allow some owner surrendered animals. There is a fee that normally ranges between \$50.00 and \$125.00.

C.A.R.E.S.' website states that it accepts most stray animals. In speaking with staff it seems that it does not regularly accept stray cats. The "Cat Policy" says that finding and working with the owner is preferable to the pet's uncertain future in a shelter environment. How would the Animal Care and Control Officer (ACCO) locate the owner? Certainly if a citizen shows up with a cat at the shelter they will probably be unwilling to take it back to the neighborhood and find the owner. Where would someone look for their lost cat if C.A.R.E.S. regularly rejects stray cats? I used several scenarios where someone may bring in a cat that would be considered stray and was told that it was considered as taking someone's property and they would ask the person to return it to where it was found. Under the adopted KCC 11.40.230 Nuisances defined: "any domesticated animal that enters upon a person's property without the permission of that person" may be deemed a nuisance and thereby impounded. C.A.R.E.S. staff asks the person with a stray cat to return the cat to where they found it. This may seem practical, but if a property owner does not wish the cat to continue trespassing and C.A.R.E.S.

refuses to take the animal then there is the distinct possibility that the animal may come to harm. Individuals may take the animal to an area completely unfamiliar to the cat and therefore lowers the cat's opportunity to be reunited with the owner. Any stray should be housed at the shelter for the area in which the animal is found which increases the likelihood that an owner will go to the correct shelter. Harm may come to the animal because of a frustrated public as well. I would recommend that the code and practice of not taking stray cats be re-examined and that a solution be found to serve the animals and the public. The ACCO will take a stray cat when there seems no other alternative and the person with the cat is uncooperative with regard to returning the cat to the location it was found.

C.A.R.E.S. also loans humane traps for animals. If a feral cat comes to the shelter in a trap, it is altered at the Feral Cat Spay Neuter Project and then returned to the area it came from. I asked what happens if the cat in the trap is tame and friendly. The answer was to ask the person to take it back to where found as it is property. The practice of loaning traps but turning away some animals is in conflict. The contract with the City of Burien requires C.A.R.E.S. to stock dog and cat traps as well as carrying cases for use by residents.

None of the dogs or cats is vaccinated upon intake. This practice is recommended both by the PPM, page 19 and the SOC, page 25. Studies suggest that approximately 50% of all animals entering a shelter have not been vaccinated. The practice of vaccinating upon intake and maintaining a clean environment are paramount for animal health. Exercising one practice without the other will guarantee failure at some point. The protocol for the vaccination of incoming stray and unvaccinated owner surrender animals should be discussed with the veterinarians C.A.R.E.S. currently uses for their animal examinations.

All animals have their description entered into the Pet Point database. There is currently no standard set for the entering of animals into the database. It is recommended that all animals have their information entered into the database by the staff person that accepts the animal within 10 minutes of the animal entering the building. There is a need for the purpose of tracking and transparency to include the animal in the inventory as soon as possible once it enters C.A.R.E.S.' custody. One cannot guarantee continuity if there is no protocol in place for the inventory. Currently if an animal comes in while the ACCO is gone from the building, he cannot be assured that the animal has been entered into the database. It is currently difficult for him to look in the computer to locate the animal to be sure it has been input into the database once he returns to the shelter. C.A.R.E.S. should definitely avoid double entry of the animal. Again, finding the time to learn more about the program should make their job easier. The data will only serve you if all data is entered in a timely and consistent fashion.

All animals that enter C.A.R.E.S. are scanned for a microchip with a Home Again Scanner. Home Again scanners have the ability to read all types of chips regardless of their MHz. If a chip is located this will aid in the location of an owner.

All animals entering the shelter should be identified with a paper collar that contains the animal's I.D. number, per PPM, page 20. This helps prevent mix-ups, especially when the animal does not have a microchip or visible I.D. and may resemble another animal in their care at the same time.

Volunteers and staff use different media to list pets that have been found: Craig's list, Facebook and Petango, which interfaces with Pet Point. Animals are also loaded manually onto the C.A.R.E.S. website, usually by volunteers.

If someone is missing their pet they can call C.A.R.E.S. or come to the shelter. Staff will find out details about the missing pet and then try to match the person to one of the found pets. The person missing their pet will have to give staff a description and location where the pet was lost. C.A.R.E.S. does not allow access to the stray dog kennel to the public, but instead will bring the animal to the citizen in the public area or one of the dog visitation areas near the lobby. C.A.R.E.S. endeavors to match the pet to the owner by using the location where the pet was found and proximity to where the owner lives; description given by the owner of the missing pet and then reaction of the animal to the individual. The owner must present I.D. and then pays an impound fee, unless the pet is currently licensed, a processing fee and boarding costs. They must also purchase a pet license if they do not have one. C.A.R.E.S. staff should be sure the animal is wearing its license when it leaves the shelter. This plants the seed for the owner to realize the value of their pet wearing visible I.D., which if the pet was wearing at the time of impound would have had the pet back home and not at the shelter on its first impound.

Typically C.A.R.E.S. handles stray and owner surrendered dogs, mostly owner surrendered cats and occasional stray cats. They have also handled chinchillas, a snake, a lovebird, rabbits and a ferret.

ADOPTION

Because C.A.R.E.S. restricts and manages their intake of owner surrendered animals to avoid having the shelter become full, they are fairly successful at placing animals in homes. C.A.R.E.S.' adoptable animals are listed on their website and other social media in order to give them exposure to families looking for a pet. Currently the average length of stay for an owner surrendered animal to find a new home is 26.8 days. The average for stray animals from the time of intake to the time of outcome is 20.8 days. These averages take into account the fact that some lost pets go home within 1 to 2 days of being lost and the others that are not redeemed wait many more days for adoption.

All adopters are charged an adoption fee. Sometimes the fees are reduced or even waived when someone chooses a pet that has a medical bill that either has been incurred or still has need of additional medical care. If an individual is willing to take the pet that is still under or in need of medical care, an appointment is made and the animal is taken to the veterinarian. The bill comes to C.A.R.E.S. and then the new owner reimburses the fees paid. This allows an animal to find a forever home while making concessions for total adoption costs.

All adopted animals are altered prior to placement. PIMA does most altering, except large dogs and cryptorchid surgeries which are sent to Burien Veterinary Hospital. Cat alter surgeries are done at the Feral Cat Spay Neuter Project. In some cases, an animal may be fostered for the weekend by the prospective adoptive family if the animal is a few days from their surgical appointment. C.A.R.E.S. then picks the animal up from the foster parent(s) and delivers it to the veterinarian for surgical altering. The adoption will take place after the animal is surgically altered.

Currently C.A.R.E.S. will make an effort to place any and all dogs. Staff and volunteers work with shy, fearful and aggressive dogs. Frequently staff and volunteers will bring the dog into the office area to work on socializing. At this time there is no established protocol in the PPM that states when an animal should not be considered for adoption. Currently, C.A.R.E.S. feels they are being examined by the community under a microscope and must place any and all animals. This includes placing dogs and cats that have bitten for adoption.

By placing animals that have bitten or acted aggressively to humans or domestic animals, there is a huge liability on the placement agency and the contracting city. SOC and best practices recommend that assessment of an animal's behavior must begin at the time of intake. Some behavior issues such as fear or aggression affect how the animal may be handled. Behavior evaluations and documentation of behavior should be performed on all animals prior to re-homing. C.A.R.E.S. has a need to develop an evaluation assessment which should be done by consulting with someone familiar with the science of behavior assessment. Staff performing the assessment(s) must receive adequate training. It should be an overall assessment that includes: information taken at intake, behavior during the stay at the shelter and behavior at a formal evaluation. A behavior assessment form used by The Humane Society for Tacoma and Pierce County and other shelters has been provided to Debra George, but there is a need for training before the form is used with any regularity for C.A.R.E.S.' animals.

Pressure from the public to place "all" animals should not override common sense. There is a duty to citizens not to place an animal that has bitten into a new home. 3rd party litigation is not uncommon and since the current adoption contract does not actually transfer ownership of the dog to the adoptive owner there is the outward chance for the liability that I am speaking about. If the animal cannot be safely handled and is not safe for the public in an adoptive home, consideration should be given for euthanasia. It would be difficult to find a rescue agency that places biting animals or animals that have attacked and/or killed a domestic animal. Most don't.

NON-PROFIT STATUS & VOLUNTEERS

As a 501c(3) C.A.R.E.S. has a plan to augment their donation goal. They had a comedy show that raised \$5,000.00. The goal for 2013 is \$20,000.00 and they are looking at other means to increase their total donations. Currently donors of in-kind donations are added into Pet Point, but there is no immediate acknowledgment of the donor. The quick

turn-around in acknowledgment is key to keeping donors as well as letting them know their donation is important to your mission.

"Donations" are gifts. They are freely given by individuals who care about what you do and want to support you. But like any other gift, unless the giver is thanked, and assured that the money was used well, they will not be motivated to give again. And they won't encourage others to give. So if you don't need donations, and would rather not receive them, then don't thank the giver. But if you do want these gifts, you need to treat them as gifts

C.A.R.E.S. relies on volunteers to supplement the daily work done by staff. It is apparent that without volunteers, C.A.R.E.S. could not provide the level of care that is needed for the animals in the shelter. Volunteer minimum age is 14 and older without a parent present. There are no payments to the Department of Labor & Industries for injury to volunteers, but they are instead covered through C.A.R.E.S.' Insurance policy according to Debra George. Volunteers are required to read the animal care protocol notebook and then sign that they have read the document. There is a need for documentation of training and competency levels of volunteers that are entrusted with the care of Burien's animals. I can provide checklist outlines as examples for the volunteer program at C.A.R.E.S. that can be modified to the tasks that volunteers handle.

Volunteers are primary to many tasks at Burien C.A.R.E.S. They clean cages, walk dogs, take laundry to the Laundromat, help with phone calls and generally assist with shelter duties. Based on the current staffing level and the lack of documentation about the level of training that volunteers have received, I would recommend that the minimum age of volunteers might be moved up to a more responsible age of volunteer until C.A.R.E.S. has adequate staff and time for training and documentation.

FIRST AND FINAL IMPRESSIONS

One of the first things I noticed is the staff and persons employed from the DSHS program answered the phone as "Burien Animal Control". The title that is in the contract and PPM manual both refer to the correct use of the program name as "Burien Animal Care and Control." This is an important distinction to public perception and consistency within the organization is also important. The "CARE" portion of announcing who they are will do much to assist in letting everyone know who they are and what they do. If all staff and volunteers believe they are there for the "CARE" of the animals in Burien it assists in their persona presented to the citizens of Burien. All documents and printed materials with the title of Burien Animal Control should be changed to "Burien Animal Care and Control" for consistency as well. As documents are updated, notice should be made that several contain names of persons responsible for certain actions that are no longer employed at C.A.R.E.S.

- The City of Burien produced a P.S.A. to work on community outreach for the citizens.

- C.A.R.E.S. director, Debra George, is promoting the shelter at the farmer's market.
- The Animal Control Officer does not appear as professionally dressed as officers in other jurisdictions in an attempt to appear more approachable. Is this the correct approach? Staff and volunteers wear no identification to designate who they are or what job they perform.
- Is there a mixed message from the City of Burien regarding the duties of C.A.R.E.S. - softer and kinder vs "doing their job?"
- Staff and volunteers feel they are always under scrutiny and always have to be "on guard" to what the public perception will be of any of their actions.
- During conversations I encouraged them to be transparent and keep being "up front" in all they do so the public will become trusting.
- Debra George takes no salary for the work she does. The public may find this difficult to believe. Perhaps this transparency will assist in the public believing that C.A.R.E.S. is there for the animals and the City of Burien.
- Is there a process in place to evaluate the contract on a yearly or more often basis? Per contract, there is monthly reporting but that may not be enough. Reporting numbers does little to show progress to individuals not involved in the shelter world. One approach might be a quarterly state of C.A.R.E.S. report so that the City Manager and City Council are aware of the progress C.A.R.E.S. is making. Also helpful might be a comparison of statistics for the same period of time the year prior.
- There is a need for policy enforcement, training documentation and daily and weekly checklists. Verification of daily work performed through the use of checklists and oversight of the work done are paramount to the health and well-being of the animals. Follow-up is required of checklists to be sure the work done is of high quality. Checklists should be looked over and must not just be filed.
- Documentation of training that other paid staff receive must be documented. The checklist outlines can be useful for this as well. Training should include minimum standards, expectations and access to lists of duties. There should also be yearly performance evaluations of staff.
- There are no standards set for the standards of care in the shelter in the contract between Burien and C.A.R.E.S. Currently the 5 freedoms are being met: freedom from hunger or thirst; freedom from discomfort; freedom from pain, injury or disease; freedom to express normal behavior and freedom from fear or distress.
- The "Infection Control Plan" should be updated to match the PPM and SOC as there are some inconsistencies.

Respectfully submitted,

Denise McVicker, Deputy Director
The Humane Society for Tacoma & Pierce County

**CITY OF BURIEN
AGENDA BILL**

Agenda Subject: Presentation of Seattle City Light Undergrounding Financing for 1 st Avenue South		Meeting Date: July 15, 2013
Department: Finance Department	Attachments: N/A	Fund Source: N/A Activity Cost: N/A Amount Budgeted: N/A Unencumbered Budget Authority: N/A
Contact: Kim Krause, Finance Director		
Telephone: (206) 439-3150		
<p>PURPOSE/REQUIRED ACTION:</p> <p>The purpose of this agenda item is for Seattle City Light to make a presentation regarding the financing of the First Avenue South undergrounding project.</p> <p>BACKGROUND (Include prior Council action & discussion):</p> <p>At previous Council meetings, the City Council expressed interest in Seattle City Light (SCL) refinancing the project costs for SCL's share of the 1st Avenue South undergrounding project.</p> <p>OPTIONS (Including fiscal impacts): N/A</p> <p>Administrative Recommendation: N/A</p> <p>Advisory Board Recommendation: N/A</p> <p>Suggested Motion: N/A</p> <p>Submitted by: Administration <i>ckc</i></p> <p align="right">City Manager <i>[Signature]</i></p>		
Today's Date: July 8, 2013	File Code: \\file01\records\CC\Agenda Bill 2013\071513ad-1 Seattle City Light Undergrounding Financing Presentation.docx	

**CITY OF BURIEN
AGENDA BILL**

Agenda Subject: Motion to Adopt Resolution No. 346, Approving the Development Agreement for Miller Creek Court		Meeting Date: July 15, 2013
Department: Community Development Department	Attachments: 1. <u>Proposed Resolution No. 346</u> 2. <u>Proposed Miller Creek Court Development Agreement</u>	Fund Source: N/A Activity Cost: N/A Amount Budgeted: N/A Unencumbered Budget Authority: N/A
Contact: Charles W. "Chip" Davis, Community Development Director		
Telephone: (206) 248-5501		
Adopted Work Plan Priority: Yes No X	Work Plan Item Description: N/A	
PURPOSE/REQUIRED ACTION: The purpose of this agenda item is for Council to discuss and consider adopting the proposed Development Agreement between the City of Burien and Miller Creek Court.		
BACKGROUND (Include prior Council action & discussion): Miller Creek Junction is a mixed use (46 residential units and three office buildings) development on a 3.05 acre parcel located at 215 South 160 th Street in Burien. The final binding site plan for the development was recorded with King County on July 23, 2009. In the fall of 2008 construction commenced on all of the residential structures and one of the commercial structures on the site, but prior to completion of that work and commencement of work on the other two commercial buildings, the original developer (162 nd Street LLC) encountered financial difficulties and ceased work on the development allowing control of the property to revert to the lender. A new developer (Miller Creek Court) has acquired the property, assumed all permits and plans to complete the 46 residential units and the commercial building located on Lot 1. Miller Creek Court affirms that due to the current economic downturn, the local commercial market is not conducive for completion of the remaining two commercial buildings and has requested that construction of the commercial buildings be deferred pending consideration of a Comprehensive Plan Amendment and Rezone application to allow revision of the binding site plan to omit the remaining two commercial buildings. The requested deferral of the requirement to complete the commercial buildings prior to issuance of a certificate of occupancy for the residential units and one commercial building is consistent with the Comprehensive Plan, the intent of the Zoning Code and is offset by the public benefits to be received from development of the property consistent with the requirements of the Development Agreement and RCW 36.70B.170, which authorizes the use of Development Agreements. At the July 1 st meeting, Council conducted a public hearing on the Development Agreement and received testimony in favor of the proposed agreement. Following the hearing and discussion, Council directed Resolution No. 346 be placed on the July 15 th agenda for consideration.		
OPTIONS (Including fiscal impacts): N/A		
Administrative Recommendation: Adopt Resolution No. 346, approving the Development Agreement for Miller Creek Court.		
Advisory Board Recommendation: N/A		
Suggested Motion: I move to adopt Resolution No. 346, approving the Development Agreement for Miller Creek Court.		
Submitted by: Charles W. "Chip" Davis Administration 	Mike Martin City Manager 	
Today's Date: July 8, 2013	File Code: \\File01\records\CC\Agenda Bill 2013\071513cd-1 Miller Creek Court Development Agmt.docx	

CITY OF BURIEN, WASHINGTON

RESOLUTION NO. 346

**A RESOLUTION OF THE CITY OF BURIEN, WASHINGTON,
APPROVING A DEVELOPMENT AGREEMENT FOR PROPERTY
OWNED BY MILLER CREEK COURT LLC AT 215 SOUTH 160TH
STREET IN THE CITY OF BURIEN**

WHEREAS, Miller Creek Court has acquired a 3.05 acre parcel with an incomplete mixed use development at 215 South 160th Street and has requested the City approve a development agreement allowing partial completion of the development pending consideration of a Comprehensive Plan Amendment and Rezone for the property; and

WHEREAS, on July 1, 2013, the City Council conducted a public hearing on the proposed development as required by the Regulatory Reform Act, RCW 36.70B.170-.210, and after considering all testimony presented at the hearing and the recommendation of City staff, the Council has determined that the development agreement should be approved;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Council hereby approves that certain development agreement entitled "Development Agreement between the City of Burien and Miller Creek Court" attached hereto as Exhibit "A" and incorporated herein by this reference as if set forth in full. The development agreement shall govern development of the aforementioned property as described in the agreement. The City Manager is hereby authorized to execute the development agreement on behalf of the City.

PASSED BY THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON,
WASHINGTON, AT A REGULAR MEETING THEREOF THIS 15TH DAY OF JULY, 2013.

CITY OF BURIEN, WASHINGTON

Brian Bennett, Mayor

ATTEST/AUTHENTICATED:

Monica Lusk, City Clerk

Approved as to form:

Craig D. Knutson, City Attorney

Filed with the City Clerk: June 26, 2013
Passed by the City Council:
Resolution No.: 346

After Recording, Return to:

City of Burien
 Community Development Department
 400 SW 152nd Street, Suite 300
 Burien, WA 98166

Document Title: Development Agreement between the City of Burien and Miller Creek Court
Grantor: City of Burien, a Washington municipal corporation
Grantee: Miller Creek Court LLC, a limited liability company
Abbreviated Legal Description: W HALF NE QTR NW QTR NW QTR STR 29-23-04, King County, Washington
Assessor's Tax Parcel Number: 292304-9057

**DEVELOPMENT AGREEMENT
 BETWEEN THE CITY OF BURIEN AND
 MILLER CREEK COURT**

The City of Burien, a Washington municipal corporation (the "City"), and Miller Creek Court LLC, a Washington limited liability company ("Miller Creek Court"), enter into this Development Agreement ("Agreement") in order to facilitate the development of a 3.05 acre parcel of real property located within the City, the legal description of which is set forth in the attached Exhibit A (the "Property"), consistent with the terms, conditions and provisions of this Agreement. This Agreement is entered into on the ____ day of _____, 2013 ("Effective Date").

I. PARTIES

The parties to this Agreement are the City of Burien and Miller Creek Court LLC (collectively the "Parties").

II. RECITALS

WHEREAS, the Parties have authority to enter into this Agreement pursuant to RCW 36.70B.170 through .210; and

WHEREAS, the parties wish to set forth in this Agreement certain development standards, design and construction requirements, and other rules and regulations that shall apply to and govern the use, development, and mitigation of the development of the subject Property, as described and delineated herein, for the duration specified in this Agreement; and

WHEREAS, Miller Creek Junction is a mixed use (46 residential units and three office buildings) development on a 3.05 acre (132,858 square foot) parcel located at 215 South 160th Street, Burien, WA (Assessor's Parcel Number 292304-9057); and

WHEREAS, the preliminary binding site plan application was approved by the Hearing Examiner on October 25, 2007, and the final binding site plan was recorded with King County on July 23, 2009; and

WHEREAS, the Project site is currently designated as Community Commercial in the City's Comprehensive Plan, is zoned CC-2 Community Commercial, and is allowed as a permitted mixed use development per Burien Municipal Code (BMC) 19.15.035.7 Special Regulations 2 and 4, which define the maximum residential density for mixed use development in the CC-2 zone as 24 dwelling units per acre and require that at least 25% of the gross floor area of the development must be designed and used for retail, office, or eating and drinking establishment uses; and

WHEREAS, the approved binding site plan, as depicted in the attached Exhibit B, describes and delineates the size, location, and other characteristics of 46 dwelling units on Lot 4 and three commercial buildings on Lots 1-3; and

WHEREAS, beginning in the fall of 2008, construction permits were issued for site clearing and construction of all residential and commercial structures within the development and work was commenced and nearly completed on the 46 residential units and the foundation of one of the three commercial buildings, but prior to completion of said work and commencement of work on the other two commercial buildings, the original developer (162nd Street LLC) encountered financial difficulties, ceased work on the development, and allowed control of the property to revert to the lender; and

WHEREAS, a new developer (Miller Creek Court) has acquired the property, assumed all permits, and plans to complete the 46 residential units and the commercial building on Lot 1, which is delineated on Exhibit B as "C3"; and

WHEREAS, Miller Creek Court affirms and stipulates that due to the current economic downturn, the local commercial property market is not conducive for completion of the commercial buildings located on Lots 2 and 3, which are delineated on Exhibit B as "C1" and "C2" respectively, and therefore requests that the City allow construction of said commercial buildings, as currently required by the Zoning Code prior to issuance of a certificate of occupancy for any portion of the development, to be deferred pending consideration of a Comprehensive Plan Amendment and Rezone application that would allow the binding site plan to be revised to omit the two commercial buildings; and

WHEREAS, the modified development requested by Miller Creek Court appears to be generally consistent with the Comprehensive Plan and with the uses allowed in the CC-2 Zone, and deferral of the Zoning Code requirement to complete two of the commercial buildings prior to issuance of a certificate of occupancy for the residential units and one of the commercial

buildings is consistent with the goals and policies of the Comprehensive Plan, the intent of the Zoning Code, and RCW 36.70B.170; and

WHEREAS, the City Council finds that the requested development of the Property as set forth in this Agreement is in the best interests and economic well-being of the City of Burien, its citizens, and Miller Creek Court and is in the general interest of the public health, safety, and welfare; and

WHEREAS, the requirements and standards set forth in this Agreement are generally consistent with current City zoning, land use, and other development regulations and standards, and any interim or other departures therefrom provided by this Agreement are offset by the public benefits to be received from development of the Property consistent with the requirements of this Agreement and RCW 36.70B.170; and

WHEREAS, pursuant to RCW 36.70B.200, a public hearing was held before the Burien City Council on July 1, 2013, and the Burien City Council voted on July 15, 2013 to approve a resolution authorizing the City Manager to execute and enter into this Agreement on behalf of the City; and

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the City of Burien and Miller Creek Court do hereby covenant and agree as follows:

III. DEFINITIONS

For all purposes of this Agreement, except as otherwise expressly provided or unless the context otherwise requires, the following definitions shall apply:

A. "Applicant" means Miller Creek Court, its officers, agents, employees and representatives.

B. "City" means the City of Burien.

C. "Exhibits" means the following documents which are attached to this Agreement and incorporated herein by this reference:

Exhibit A – legal description of property; and

Exhibit B – Recorded Binding Site Plan dated July 23, 2009.

D. "Miller Creek Court" means Miller Creek Court LLC, a limited liability company and its officers, agents, employees and representatives.

E. "Parties" means the City of Burien and Miller Creek Court LLC.

G. "Project" means the mixed-use Miller Creek Junction development with 46 residential units and three commercial buildings as described and delineated in the

binding site plan attached Exhibit B or as the binding site plan may otherwise be amended pursuant to the Comprehensive Plan Amendment and Rezone application required herein.

H. "Property" means the 3.05 acre site of the real property located in Burien as more particularly described in the legal description attached as Exhibit A.

IV. AGREEMENTS

A. **Effect of Recitals and Attachments**

The Parties hereby incorporate the above Recitals and Definitions and the attached Exhibits A and B as material terms of this Agreement.

B. **General Rules Regarding Development of the Property**

1. **Right to Develop**

This Agreement shall be binding on the Parties from the Effective Date through the life of the Project and shall govern the right of Miller Creek Court to develop the Property.

2. **Vesting**

a. Except as provided otherwise in Section IV.C of this Agreement, development of the Project shall be governed by and vested to City development regulations in effect as of the Effective Date of this Agreement, and any amendments to City development regulations made during the term of this Agreement shall not apply to or affect the conditions of development of the Project. As used in this Agreement, "development regulations" shall be deemed to include regulations, policies, and guidelines addressing zoning, environmental review, building and site design, utilities, storm water, impact regulations, transportation concurrency and other laws, ordinances, policies, and administrative regulations and guidelines of the City governing land development.

b. The following shall apply to the development of the Project but do not vest the Property or the Project (*i.e.*, they are subject to change and the changes will apply to any development on the Property):

- Procedural regulations which are not substantive relating to hearing bodies, petitions, applications, notices, findings, records, hearings, reports, recommendations, appeals and any other matter of procedure.
- Uniform codes governing construction and state and federal safety standards, including but not limited to, the International Building Code and other uniform

codes governing plumbing, electric, fire and other construction and safety standards.

- Taxes, fees, charges or assessments applicable to the Project or Property, unless otherwise expressly agreed in this Agreement.
- Any new or different regulations required by a serious threat to public health and safety (as required by RCW 36.70B.170(4)).

3. Permits and Approvals

The following permits and approvals are anticipated to be needed for construction and development of the Project:

- Construction permits including but not limited to site development, demolition, building, mechanical, plumbing, electrical, fire, water, sewer, and storm water permits.
- Comprehensive Plan Amendment and Rezone.
- Binding site plan amendment.

The Parties acknowledge and agree that the foregoing is a non-exclusive list of anticipated permits and approvals for the Project and that other permits or approvals may be required.

4. Effect of Agreement on Subsequent Laws or Regulations

In the event that state or federal laws or regulations, enacted after the Effective Date, and requiring compliance therewith because of express health and/or safety concerns as specifically identified in said state or federal laws or regulations, may prevent or preclude the City from complying with one or more of the provisions of this Agreement, then to the extent feasible such provisions of this Agreement shall be modified or suspended as may be necessary to comply with such state or federal laws or regulations; provided, however, that this Agreement shall remain in full force and effect to the extent it is not otherwise inconsistent with the mandatory health and/or safety provisions of such laws or regulations.

5. Project is a Private Undertaking

It is agreed between the Parties that the Project is a private development, that the City does not own or have title to the Property or the Project, and that the City has no interest therein except as set forth in this Agreement or as authorized in the exercise of its governmental functions.

6. Development Standards

The provisions for reservation and dedication of land, the construction, installation and extension of public improvements, use of public right-of-way, and development conditions and standards for development of the subject property shall be those set forth in this Agreement and in the permits and approvals for this Project.

7. Breach, Default or Non-compliance

a. Subject to extensions of time by mutual consent in writing, failure or delay by any party not released from this Agreement to perform any term or provision of this Agreement shall constitute a default. In the event of alleged default or breach of any terms or conditions of this Agreement, the party alleging such default or breach shall give the other party or parties not less than thirty (30) days' notice in writing, specifying the nature of the alleged default and the manner in which said default may be cured. During this thirty (30) day period, the party charged shall not be considered in default or breach for purposes of termination or institution of legal proceedings.

b. After notice and expiration of the thirty (30) day period, if such default or breach has not been cured or is not being diligently cured in the manner set forth in the notice, the other party to this Agreement may, at its option, institute a legal action for specific performance. In addition, the City may file an action to enforce the City's Codes and to obtain penalties and costs as provided for in the City of Burien Municipal Code for any violations.

c. The Parties hereby agree that specific performance of this Agreement and a code enforcement action by the City shall be the sole, exclusive remedies for breach or default by either party, and the Parties expressly waive their right to seek any other relief or remedy of any kind for breach or default.

8. Termination

This Agreement shall expire and/or terminate as provided below:

- a. This Agreement shall expire and be of no further force and effect if either of the following occurs:
 - i. Miller Creek Court has not submitted a complete application for a property specific rezone and Comprehensive Plan amendment within two (2) years from the effective date of this Agreement.
 - ii. Nothing in this Agreement shall extend or be an authorization to extend the expiration date of any permit or approval issued by the City for any development.

iii. The Project is not constructed as required by the permits and approvals identified in this Agreement, or applications for development of the Property are submitted that are inconsistent with such permits and approvals.

iv. Upon mutual written consent of the Parties.

b. Upon termination of this Agreement, the City shall record a notice of such termination in a form satisfactory to the Parties, indicating that the Agreement has been terminated.

9. Effect of Termination

- a. The termination of this Agreement shall not affect any of the applicable Party's obligations to comply with City of Burien comprehensive plans and the terms and conditions or any applicable zoning provision or other development regulations or other land use entitlements approved with respect to the Property or Project, any other conditions of any other development specified in the Agreement to continue after the termination of this Agreement, or obligations to pay assessments, liens, fees or taxes.
- b. Upon any termination of this Agreement, the entitlements, conditions of development, limitations on fees and all other terms and conditions of this Agreement shall no longer be applicable and/or effective with respect to the Property or Project; provided that applicability and/or effectiveness of such entitlements, conditions or fees may then be established for such property upon a new application pursuant to then-existing planning and zoning laws and regulations.

10. Further Discretionary Actions

Miller Creek Court acknowledges that the City's land use regulations contemplate the exercise of further discretionary powers by the City of Burien. Nothing in this Agreement shall be construed to limit the authority or the obligation of the City of Burien to hold legally required public hearings or to limit the discretion of the City and any of its officers or officials in complying with or applying existing zoning or other regulations.

11. Semi-Annual Review

The City shall, approximately every six (6) months during the term of this Agreement, review the extent of compliance by Miller Creek Court with this Agreement. The City may charge fees as necessary to cover the costs of conducting this semi-annual review.

12. Covenants Running with the Land

The covenants and conditions set forth in this Agreement shall touch and concern and run with the land (Property), and the benefits and burdens shall bind and inure to the Parties.

13. Applicable Law and Attorney's Fees

Because this Agreement is related to a project-specific development application, and pursuant to RCW 36.70B.200, this Agreement constitutes a land use decision subject to review under the State Land Use Petition Act, Ch. 36.70C RCW ("LUPA"). The right and ability of the Parties to enter into this Agreement, as well as the form, notice, adoption, content and/or validity of this Agreement (other than breach, default or non-compliance) shall be solely reviewable under LUPA.

All challenges to this Agreement other than those subject to LUPA (*as noted above*, the right to enter into it or its form, notice and/or adoption, content and/or validity), such as claims of default, breach or non-compliance, shall be construed and enforced through a declaratory judgment or other legal action in accordance with the laws of the State of Washington. If litigation is initiated to enforce or interpret the terms of this Agreement then, except as otherwise specifically provided in Section 14 of this Agreement with respect to actions brought by third parties or actions brought to enforce or interpret Section IV.C regarding specific conditions of development, each Party shall pay its own attorneys' fees and costs regardless of the outcome of the litigation. Venue for any action to enforce or interpret this Agreement shall lie in King County Superior Court.

14. Third Party Legal Challenge

In the event any legal challenge or special proceeding is commenced by any person or entity, other than a party to this Agreement, regarding this Agreement or any provision herein, the City may elect to tender the defense of such lawsuit, or individual claim in the lawsuit, to Miller Creek Court, and in such event Miller Creek Court shall accept the defense and shall hold the City of Burien harmless from and defend the City from all costs and expenses incurred in the defense of such lawsuit or individual claims in the lawsuit, including but not limited to attorney's fees, costs and expenses of litigation, and damages awarded to the prevailing party or parties in such litigation. Miller Creek Court shall settle any lawsuit with the consent of the City, and the City shall act in good faith and shall not unreasonably withhold consent to settle.

Pursuant to RCW 36.70C and the intent of the Parties, LUPA shall govern any and all challenges by third parties to this Agreement.

15. Remedy for Breach or Default: Specific Performance

The Parties specifically agree that monetary damages are not a remedy for breach, default of, or non-compliance with, this Agreement and that the parties' sole and exclusive remedy for breach, default or non-compliance is to compel specific performance of the material terms of this Agreement by any Party in breach, default or violation thereof.

16. Duty of Good Faith

The Parties agree to cooperate with each other in good faith to achieve the objectives of this Agreement. The Parties shall not unreasonably withhold requests for information, approvals or consents provided for or implicit in this Agreement.

17. Modifications to Agreement

a. The terms, conditions or obligations in this Agreement may be modified only by written agreement of the Parties to this Agreement and in compliance with applicable law. Substantive or material amendments may require approval by the Burien City Council at a properly noticed public hearing.

b. Minor, non-substantive modifications may be approved in writing by mutual agreement of the Parties.

18. Further Acts

Each of the Parties agrees to perform all further acts and to execute any other documents necessary or desirable to effectuate the terms of this Agreement.

19. Warranty of Capacity to Execute Agreement and Bind Party

The Parties hereby acknowledge and agree that:

- a. They have had an opportunity to draft, review and revise this Agreement and the terms of this Agreement shall not be construed for or against either Party;
- b. They have carefully read this Agreement in its entirety, as well as any documents attached to or made a part of it, and they understand it; and
- c. They have been fully advised by legal counsel in connection with the consequences of execution of this Agreement and do so freely and voluntarily.

20. Effect on Successors

This Agreement and all of the terms and provisions herein shall inure to the benefit of and be legally binding upon the successors and assigns of the parties hereto, including any lessee under a ground lease of the Property and any lender that succeeds to the right, title and interest of a party hereto, its successor or assign, or a lessee under a ground lease.

21. Captions and Headings

The captions and headings throughout this Agreement are for convenience and reference only. The words contained in the captions and headings shall in no way be held or deemed to

define, limit, describe, explain, modify, amplify or add to the interpretation, construction or meaning of any paragraph or the scope or the intent of this Agreement.

22. Notices

Any notices required or permitted to be given by this Agreement shall be (1) personally delivered evidenced by written receipt, or (2) mailed via certified or registered mail, return-receipt requested with postage pre-paid, or (3) shipped via express courier service for "next day delivery". Such notices shall be addressed as follows:

IF TO THE CITY OF BURIEN:

City Manager
City of Burien
400 SW 152nd Street, Suite 300
Burien, WA 98166

WITH A COPY TO:

City Attorney
City of Burien
400 SW 152nd Street, Suite 300
Burien, WA 98166

Community Development Director
City of Burien
400 SW 152nd Street, Suite 300
Burien, WA 98166

IF TO MILLER CREEK COURT:

John MacLean, Principal
Miller Creek Court LLC
1100 N 115th Street, Suite #105
Seattle, WA 98133

WITH A COPY TO:

Seattle, WA 98____

23. Severability and Invalidity of Particular Provisions

Should any term, provision, condition or other portion of this Agreement or the application thereof be held to be inoperative, invalid or unenforceable, the remainder of this Agreement or the application of the term or provision to persons or circumstances other than those to which it is held invalid or unenforceable shall not be affected thereby and shall continue in full force and effect.

24. Entire Agreement

This Agreement and any amendment thereto, including all exhibits, contains all of the covenants, promises, agreements, and conditions, both oral and written, between the Parties; provided, however, that Miller Creek Court shall be required to comply with all other requirements of local, state, and federal regulations and permitting requirements with the exception of the items contained in this Agreement.

25. Recording With the Auditor

This Agreement shall be recorded with the King County Auditor.

26. Police Powers

Nothing in this Agreement shall be construed to diminish, restrict or limit the police powers of the City of Burien granted by the Washington State Constitution or by any general laws. This Agreement is an exercise of the City's police powers and the authority granted by, *inter alia*, RCW Title 35A and RCW 36.70B.170 - .210.

C. Supplemental Conditions of Development

The Applicant is pursuing completion of a mixed-use development with 46 residential units and three office buildings as described and delineated in Exhibit B. This Agreement and the conditions below shall become supplemental conditions to all required permits for the Project.

The City agrees to defer the requirement for completion of the two remaining commercial buildings, C1 and C2, as delineated in Exhibit B, and agrees to grant a certificate of occupancy for the 46 residential units and building C3 upon final inspection and approval thereof, subject to the following conditions:

1. On or before _____, 2013, Miller Creek Court shall file a complete application for a Comprehensive Plan Amendment and Rezone for the Project from Community Commercial to Multi-Family Residential to be considered by the City during the next annual Comprehensive Plan Amendment cycle, which will commence on January 1, 2014.
2. If the Comprehensive Plan Amendment and Rezone is approved, then Miller Creek Court shall within six months of the approval submit a complete application for an amendment to the binding site plan to allow development of the property in conformance with the new zoning designation and submit all required land use and development permit applications in conformance with the Burien Municipal Code.
3. If the Comprehensive Plan Amendment and Rezone is denied, then Miller Creek Court shall within one year of the denial submit complete development permit applications for construction of commercial buildings C1 and C2, as described and delineated in Exhibit B, in conformance with the binding site plan approval and the Burien Municipal Code, and shall complete construction and obtain certificates of occupancy for said buildings within one year after permit approval by the City.

EXECUTED by the following duly authorized representatives of the Parties:

FOR MILLER CREEK COURT:

John MacLean

[Title]

Approved as to Form:

Legal Counsel for Miller Creek Court

By: _____

_____, WSBA # _____

STATE OF WASHINGTON)
): ss
COUNTY OF KING)

On the ____ day of _____, 2013, before me the undersigned, a notary public in and for the State of Washington, duly commissioned and sworn, personally appeared _____ and _____, to me known to be the individuals described herein and who executed the foregoing instrument and acknowledged it on behalf of Miller Creek Court LLC and acknowledged to me that he/she/they signed the same as his/her/their free and voluntary act and deed, for the uses and purposes therein mentioned.

WITNESS MY HAND AND OFFICIAL SEAL HERETO TO AFFIX the day and year first above written.

SUBSCRIBED AND SWORN to before me this ____ day of _____, 2013.

Printed Name: _____

NOTARY PUBLIC in and for the State of
Washington
My Commission Expires _____

FOR THE CITY OF BURIEN:

City Manager _____

Approved as to Form:

BURIEN CITY ATTORNEY

Exhibit A

W HALF NE QTR NW QTR NW QTR STR 29-23-04 EXC N 20 FT THEREOF CONVEYED
TO KING CO SUPERIOR COURT CAUSE NO 17878 FOR S 160TH ST RIGHT-OF-WAY;
AND EXC PORTION THEREOF CONDEMNED IN KING CO SUPERIOR COURT 701462
AND 704329 FOR STATE HIGHWAY

Exhibit B

VOLUME

MILLER CREEK JUNCTION BINDING SITE PLAN A PORTION OF THE N.W. 1/4, N.W. 1/4 SEC. 29, T-23N, R-4E, W.M. CITY OF BURIEN, KING COUNTY, WASHINGTON

LEGAL DESCRIPTION (SEE SHEET 2 OF 3)

DECLARATION COVENANTS CONDITIONS RESTRICTIONS AND EASEMENTS

KNOW ALL PERSONS BY THESE PRESENTS THAT 182ND STREET LLC, THE UNDERSIGNED OWNER IN FEE EMPLER OF THE LAND CONTAINED WITHIN AND HEREBY BOUND BY THIS BINDING SITE IMPROVEMENT PLAN HEREBY DECLARES THIS BINDING SITE IMPROVEMENT PLAN PURSUANT TO REVISED CODE OF WASHINGTON 36.17.040.7 AND BURDEN MUNICIPAL CODE 17.50.030.

1. SITE DEVELOPMENT: ALL DEVELOPMENT AND USE OF THE LAND DESCRIBED HEREIN SHALL BE IN ACCORDANCE WITH THIS BINDING SITE PLAN, AS IT MAY BE AMENDED WITH THE APPROVAL OF THE CITY, TOWN, OR COUNTY HAVING JURISDICTION OVER THE DEVELOPMENT OF SUCH LAND, AND IN ACCORDANCE WITH SUCH OTHER GOVERNMENTAL PERMITS, APPROVALS, REGULATIONS, REQUIREMENTS, AND RESTRICTIONS THAT MAY BE IMPOSED UPON SUCH LAND AND THE DEVELOPMENT AND USE THEREOF, UPON COMPLETION, THE IMPROVEMENTS ON THE LAND SHALL BE INCLUDED IN ONE OR MORE CONDOMINIUMS OWNED BY AN ASSOCIATION OR OTHER LEGAL ENTITY IN WHICH THE OWNERS OF THE UNITS THEREIN OR THEIR OWNERS' ASSOCIATIONS MAKE A MEMBERSHIP OR OTHER LEGAL OR BENEFICIAL INTEREST. THIS BINDING SITE PLAN SHALL BE BINDING UPON ALL NOW OR HEREAFTER MAKING ANY INTEREST IN THE LAND DESCRIBED HEREIN.

2. MULTI-PURPOSE MAINTENANCE: EXCEPT AS OTHERWISE PROVIDED BY LAW, AND EXCEPT TO THE EXTENT MAINTENANCE IS PERFORMED BY A PUBLIC OR PRIVATE ENTITY PROVIDING UTILITY SERVICE, THE CONDOMINIUM AND COMMERCIAL BUILDING ASSOCIATION SHALL MAINTAIN AND REPAIR ALL ROADSWAYS (NOT INCLUDING PUBLIC RIGHTS-OF-WAY), UTILITIES AND DRAINAGE FACILITIES AND OTHER COMMON SITE FEATURES AND AREAS, INCLUDING OF THEIR SUCCESSORS AND ASSIGNS.

A. THE CITY OF BURIEN (THE "CITY"), ITS EMPLOYEES AND ITS AUTHORIZED AGENTS AND REPRESENTATIVES, HAVE THE RIGHT TO ENTER UNDER AND UPON THE PROPERTY AND ALL DRAINAGE FACILITIES LOCATED THEREON, AND GENERALLY DEPICTED IN THE PLAN MAP (THE "DRAINAGE FACILITIES"), FOR THE PURPOSE OF INSPECTION AS AND WHEN REQUIRED FOR THE CITY, OR DESIGNATED REPRESENTATIVE, INSPECTION SCHEDULED. THE AGREEMENT INCLUDES THE CITY'S RIGHT TO CONDUCT OUT, FILL AND AND/OR DRAINAGE COMPONENT INSTALLATION FOR ANY NECESSARY DRAINAGE FACILITIES SHOULD THEY BE FOUND DEFICIENT DURING THE INSPECTIONS, AND SHOULD HOMEOWNER ASSOCIATION NOT COMPLETE REQUIRED REPAIRS OR MAINTENANCE WITHIN THE TIME SET BY THE CITY OF BURIEN PUBLIC WORKS DIRECTOR (THE "DIRECTOR").

B. IF A CITY DETERMINES THAT MAINTENANCE OR REPAIR WORK IS REQUIRED TO BE DONE TO THE DRAINAGE FACILITIES, THE DIRECTOR SHALL GIVE THE PERSON TO SHOW THE DRAINAGE FACILITIES, THE OWNER OF THE PROPERTY, THE PERSON RESPONSIBLE FOR MAINTENANCE OF THE DRAINAGE FACILITY, OR OTHER PERSON OR AGENT IN CONTROL, OF SAID PROPERTY NOTICE OF THE REQUIRED MAINTENANCE AND/OR REPAIR WORK. THE DIRECTOR SHALL SET A REASONABLE TIME IN WHICH SUCH WORK IS TO BE COMPLETED. IF THE ABOVE REQUIRED MAINTENANCE AND/OR REPAIR IS NOT COMPLETED WITHIN THE TIME SET BY THE DIRECTOR, THE CITY MAY PERFORM THE REQUIRED MAINTENANCE AND/OR REPAIR.

C. WRITTEN NOTICE WILL BE SENT TO THE OWNER OF THE PROPERTY STATING THE CITY'S INTENTION TO PERFORM SUCH MAINTENANCE AND/OR REPAIR. MAINTENANCE AND/OR REPAIR WORK BY THE CITY OR ON BEHALF OF THE CITY WILL NOT COMMENCE UNTIL AT LEAST SEVEN CALENDAR DAYS AFTER SUCH NOTICE IS MAILED, SERVED OR PERSONALLY DELIVERED.

D. IF AT ANY TIME THE CITY REASONABLY DETERMINES THAT ANY EXISTING DRAINAGE FACILITY OR FLOW CONTROL BMP OR RETENTION/DETENTION SYSTEM CREATES ANY OF THE CONDITIONS LISTED IN RCW 36.17.040 AS NOW OR HEREAFTER AMENDED, AND HERIN INCORPORATED BY REFERENCE, THE DIRECTOR MAY TAKE NECESSARY MEASURES THEREON.

E. THE GRANTEE'S ASSUME ALL RESPONSIBILITY FOR THE COST OF ANY MAINTENANCE AND/OR REPAIRS TO THE DRAINAGE FACILITY. SUCH RESPONSIBILITY SHALL INCLUDE REIMBURSEMENT TO THE CITY WITHIN 30 DAYS OF THE RECEIPT OF THE NOTICE FOR ANY SUCH WORK PERFORMED. OVERDUE PAYMENTS WILL REQUIRE PAYMENT OF INTEREST AT THE CURRENT LOCAL RATE FOR LOANED FUNDS. IF LEGAL ACTION OR OTHER COSTS OR FEES INCURRED BY THE CITY, INCLUDING REASONABLE ATTORNEY'S FEES, WILL BE BORNE BY THE PARTIES RESPONSIBLE FOR SAID REIMBURSEMENTS.

F. NO APPROVAL, SUCH AS INSPECTION MADE, REVIEW OR SUPERVISION PERFORMED BY THE CITY PURSUANT TO THIS COVENANT SHALL CONSTITUTE OR BE CONSTRUED AS A REPRESENTATION OR WARRANTY EXPRESS OR IMPLIED BY CITY THAT SUCH ITEM APPROVED, INSPECTED, OR SUPERVISED, COMPLY WITH LAWS, RULES, OR REGULATIONS OR MEETS ANY PARTICULAR STANDARD, CODE OR REQUIREMENT, OR IS IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS, AND NO LIABILITY SHALL ATTACH WITH RESPECT THEREOF. CITY APPROVALS AND INSPECTIONS SHALL NOT CONSTITUTE ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE DESIGN, CONSTRUCTION, REPAIR, OR MAINTENANCE OF THE DRAINAGE FACILITIES, OR ANY DELIVERABLE ON THE PART OF THE CITY TO INSURE THAT WORK ON MATERIALS ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CITY. THE CITY HAS NO OBLIGATION OR DUTY TO SUPERVISE THE DESIGN, CONSTRUCTION, MAINTENANCE, REPAIR, OR OPERATION OF THE DRAINAGE FACILITIES. THE PARTIES AGREE THAT THE CITY HAS THE RIGHT BUT NOT A DUTY OR OBLIGATION TO OBTAIN OR OBTAIN FOR OTHER TO TAKE WORK UPON THE DRAINAGE FACILITIES BEING SOLELY GRANTEE'S RESPONSIBILITY TO ENSURE THAT THE DRAINAGE FACILITIES ARE PROPERLY AND ADEQUATELY DESIGNED, CONSTRUCTED, OPERATED, MAINTAINED AND REPAIRED.

G. THIS COVENANT BENEFITS ALL CITIZENS OF THE CITY, TOUCHES AND CONCERNS THE LAND AND SHALL RUN WITH THE LAND AND BE BINDING ON ALL HEIRS, SUCCESSORS AND ASSIGNS.

H. THESE COVENANTS ARE INTENDED TO PROTECT THE VALUE AND DESIRABILITY OF THE PROPERTY, AND TO BENEFIT ALL THE CITIZENS OF THE CITY. THEY SHALL RUN WITH THE LAND AND BE BINDING ON ALL PARTIES HAVING OR ACQUIRING FROM THEIR SUCCESSORS ANY RIGHT, TITLE OR INTEREST IN THE PROPERTY OR ANY PART THEREOF, AS WELL AS THEIR HEIRS, SUCCESSORS AND ASSIGNS. THEY SHALL RUN TO THE BENEFIT OF EACH PRESENT OR FUTURE SUCCESSOR IN INTEREST OF SAID PROPERTY OR ANY PART THEREOF, OR INTEREST THEREIN, AND TO THE BENEFIT OF ALL CITIZENS OF THE CITY.

J. GOVERNMENT EASEMENT: ANY GOVERNMENTAL ENTITY HAVING JURISDICTION OF THE LAND AND THE IMPROVEMENTS THEREON, AND ANY PUBLIC OR PRIVATE ENTITY PROVIDING UTILITY SERVICE THEREON, SHALL HAVE A NON-EXCLUSIVE EASEMENT FOR ACCESS AND EGRESS SAID LAND FOR THE PURPOSE OF INSPECTION, MAINTENANCE AND REPAIR OF SUCH UTILITY, PILE AND EGRESS SERVICES.

K. NOTICES: ANY DEMAND OR ANY NOTICE HEREAFTER TO BE GIVEN TO THE OWNER OF THE LAND OR THE CONDOMINIUM ASSOCIATION SUBJECT TO THIS BINDING SITE IMPROVEMENT PLAN SHALL BE IN WRITING AND MAILED, POSTAGE PREPAID, CERTIFIED MAIL, RETURN RECEIPT REQUESTED, TO THE LAST KNOWN MAILING ADDRESS OF SAID OWNER AND/OR ASSOCIATION.

L. ENFORCEMENT: THE PROVISIONS OF THIS BINDING SITE IMPROVEMENT PLAN (AND THE DECLARATION AND DECLARATION, COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS HEREIN) ARE DECLARED TO CREATE MUTUAL AND EQUIVALENT COVENANTS AND EASEMENTS FOR THE BENEFIT OF THE DECLARANT, EACH MUTUAL OWNER OR CONTRACT PURCHASER OF THE LAND, THE CONDOMINIUM ASSOCIATION AND THEIR SUCCESSORS IN INTEREST. ENFORCEMENT OF THESE COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS MAY BE BY ANY PROCEEDING IN LAW OR IN COURT AGAINST ANY PERSON WHO IS PRESENTLY VIOLATING OR ATTEMPTING TO VIOLATE ANY COVENANT, CONDITION, RESTRICTION OR EASEMENT, OR TO RECOVER DAMAGES, FAILURE OF ANY PARTY TO ENFORCE ANY COVENANT, CONDITION, RESTRICTION OR EASEMENT, OR ENFORCE ANY RIGHTS HEREIN CONTAINED, SHALL IN NO EVENT BE CREAMED A WAIVER OR THE RIGHT TO DO SO HEREAFTER. ALL COSTS INCURRED IN THE ENFORCEMENT OF THESE COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS, INCLUDING A REASONABLE ATTORNEY'S FEE, SHALL BE BORNE BY THE HOMEOWNING PARTY. WAIVANCE OF ANY OF THE PROVISIONS HEREOF BY JUDGMENT OR COURT ORDER SHALL IN NO WAY AFFECT ANY OTHER PROVISIONS HEREIN.

M. BINDING EFFECT: THIS BINDING SITE IMPROVEMENT PLAN (AND THE FOREGOING COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS) SHALL CONSTITUTE COVENANTS THAT RUN WITH THE LAND, AS PROVIDED BY LAW, AND SHALL BE BINDING UPON ALL PARTIES AND ALL PERSONS WHO ARE OR SHALL BECOME THE OWNER OF, OR OTHERWISE TAKE AN INTEREST IN, THE LAND DESCRIBED HEREIN, INCLUDING THE CONDOMINIUM ASSOCIATION. THE PERSONAL OBLIGATIONS OF DECLARANT HEREAFTER SHALL TERMINATE AT SUCH TIME AS DECLARANT CREATES A CONDOMINIUM ON THE LAND OR OTHERWISE TRANSFERS ITS INTEREST IN THE LAND, PROVIDED THAT THE TRUST OWNERS OF THE LAND SHALL CONTINUE TO BE OBLIGATED HEREAFTER, AS APPLICABLE.

IN WITNESS WHEREOF WE HAVE SET OUR HANDS AND SEALS.

182ND STREET LLC, A WASHINGTON LIMITED LIABILITY COMPANY

FRONTIER BANK

Signature of 182nd Street LLC representative

Signature of Frontier Bank representative

Signature of 182nd Street LLC representative

Signature of Frontier Bank representative

KING COUNTY DEPARTMENT OF ASSESSMENTS

EXAMINED AND APPROVED THIS 23rd DAY OF July 2008.

Signature of King County Assessor

Signature of Deputy King County Assessor

RECORDING CERTIFICATE

COPIED COPY

VOLUME OF PLATE

20090723001137

PAGE TO

Signature of Recorder

SUPERINTENDENT OF RECORDS

CITY OF BURIEN FILE No. PLA 07-0854

SHEET 1 OF 3

ACKNOWLEDGEMENT

STATE OF WASHINGTON COUNTY OF KING

I CERTIFY THAT I KNOW OR HAVE SATISFACTORY EVIDENCE THAT JONIDER P. SINGH IS THE PERSON WHO APPEARED BEFORE ME, AND SAID PERSON ACKNOWLEDGED THAT HE SIGNED THIS INSTRUMENT, OR DATE STATED THAT HE WAS AUTHORIZED TO EXECUTE THE INSTRUMENT, AND HE SAID HE TO BE THE FREE AND VOLUNTARY ACT OF SUCH PARTY FOR THE USES AND PURPOSES MENTIONED IN THE INSTRUMENT.

DATED 10/11/07



Signature of Notary Public, My Appointment Expires 7-15-12

STATE OF WASHINGTON COUNTY OF SPOKANE

I CERTIFY THAT I KNOW OR HAVE SATISFACTORY EVIDENCE THAT Judith Peace IS THE PERSON WHO APPEARED BEFORE ME, AND SAID PERSON ACKNOWLEDGED THAT (HE/SHE) SIGNED THIS INSTRUMENT, ON DATE STATED THAT (HE/SHE) WAS AUTHORIZED TO EXECUTE THE INSTRUMENT AND ACKNOWLEDGED IT AS THE FREE AND VOLUNTARY ACT OF SUCH PARTY FOR THE USES AND PURPOSES MENTIONED IN THE INSTRUMENT.

DATED 7-15-09



Signature of Notary Public, My Appointment Expires 01-09-12

CITY OF BURIEN APPROVALS

EXAMINED AND APPROVED THIS 23rd DAY OF July 2008.

Signature of Director of Community Development, City of Burien

EXAMINED AND APPROVED THIS 21st DAY OF July 2008.

Signature of Development Review Engineer, City of Burien

EXAMINED AND APPROVED THIS 23rd DAY OF July 2008.

Signature of Mayor, Acting Mayor, City Clerk

NOTES

1. CONTROLLING BOUNDARY DATA WAS OBTAINED BY DIRECT FIELD MEASUREMENTS EMPLOYING CONVENTIONAL TRAVEL PROCEDURES USING A TOPCON 3110 THEODOLITE WITH INTERNAL DISTANCE MEASURING METER. BOUNDARY FIELD WORK BY DMP, INC. IN BOOK ALL MEASUREMENTS ARE IN U.S. SURVEY FEET.

2. PACIFIC NORTHWEST TITLE COMPANY OF WASHINGTON, INC. SECOND REPORT PLAT CERTIFICATE ORDER No. 677638 DATED JUNE 18, 2008 WAS RELIED UPON FOR DISCLOSURE OF THE VESTING OF TITLE OF THE LAND COMPRISING THIS BINDING SITE PLAN, SAID ACCORDING TO SAID PLAT CERTIFICATE IS SUBJECT TO THE FOLLOWING, AND OTHER, SPECIAL EXCEPTIONS:

A. CITY OF BURIEN, WASHINGTON LICENSE TO ENTER PROPERTY, REC. No. 2008043000024.

B. CRITICAL AREAS NOTICE AND HOLD HARMLESS AGREEMENT, REC. No. 2008092000044.

C. AMENDED STIPULATED JUDGMENT AND DECREE OF APPROPRIATION, KING COUNTY SUPERIOR COURT CAUSE No. 704338.

NO WARRANTY IS HEREBY MADE, EXPRESS OR IMPLIED, AS TO THE ACCURACY AND/OR COMPLETENESS OF SAID PLAT CERTIFICATE.

3. ALL DEVELOPMENT WITHIN THIS BINDING SITE PLAN SHALL BE IN CONFORMANCE WITH THE SITE PLAN APPROVED BY THE CITY OF BURIEN DEPARTMENT OF COMMUNITY DEVELOPMENT UNDER FILE NO. PLA 07-0854, INCORPORATED BY REFERENCE HEREIN, OR SUBSEQUENT CITY PLAN APPROVAL.

4. FOR ANY SALE, TRANSFER OR LEASE OF ANY LOT OR TRACT ORATED PURSUANT TO THE BINDING SITE PLAN THAT DOES NOT CONFORM TO THE REQUIREMENTS OF THE BINDING SITE PLAN OR WITHOUT BINDING SITE PLAN APPROVAL, IS A VIOLATION OF RCW 36.17 AND SHALL BE RESTRICTED BY INJUNCTIVE ACTION AND BE UNLAWFUL AS PROVIDED IN CHAPTER 36.17 RCW.

5. LOT 4 OF THIS BINDING SITE PLAN SHALL REMAIN IN PRIVATE OWNERSHIP, VESTED IN 182ND STREET LLC, ITS SUCCESSORS AND ASSIGNS, WHOM SHALL BE RESPONSIBLE FOR THE MAINTENANCE THEREOF. AT SUCH TIME THAT THE CONDOMINIUM OF LOT 4 OF THIS BINDING SITE PLAN IS RECORDED WITH KING COUNTY DIVISION OF RECORDS AND ELECTIONS, LOT 4 SHALL BE CONVEYED TO THE UNIT OWNERS, IN COMMON, AND MAINTAINED BY THE CONDOMINIUM ASSOCIATION CREATED IN CONJUNCTION WITH SAID CONDOMINIUM.

6. TRANSFER EASEMENTS FOR THIS BINDING SITE PLAN EXCEED THE REQUIREMENTS OF WAC 332-130-080.

7. THE EGRESS, EGRESS AND UTILITY EASEMENT DEPICTED ON LOTS 1 AND 2, SHEET 2 OF 3, IS HEREBY GRANTED AND CONVEYED TO THE OWNERS OF LOTS 1, 2, 3 AND 4, THEIR SUCCESSORS AND ASSIGNS. OWNERSHIP OF A LOT OF THIS BINDING SITE PLAN INCLUDES AN EQUAL RESPONSIBILITY FOR THE MAINTENANCE OF THE SHARED IMPROVEMENTS WITHIN SAID EASEMENT.

8. THE 24 FOOT WIDENESS AND CORNER EASEMENT DEPICTED ON LOT 2, SHEET 2 OF 3, IS HEREBY GRANTED AND CONVEYED TO THE OWNERS OF LOT 3, THEIR SUCCESSORS AND ASSIGNS. OWNERSHIP OF LOTS 2 AND 3 OF THIS BINDING SITE PLAN INCLUDES AN EQUAL RESPONSIBILITY FOR THE MAINTENANCE OF THE SHARED IMPROVEMENTS WITHIN SAID EASEMENT.

9. THE COMMON RECREATION AREA DEPICTED ON LOT 4, SHEET 3 OF 3, SHALL BE MAINTAINED BY THE CONDOMINIUM ASSOCIATION CREATED IN CONJUNCTION WITH THE RESIDENTIAL DEVELOPMENT OF LOT 4. SAID ASSOCIATION SHALL ALSO BE RESPONSIBLE FOR EQUITABLY ASSESSING THE MAINTENANCE RESPONSIBILITIES OF THE UNIT OWNERS FOR THE ACCESS IMPROVEMENTS AND SIDEWALKS CONTAINED WITHIN LOT 4.

10. THE STORM WATER FACILITIES WITHIN THIS BINDING SITE PLAN SHALL BE MAINTAINED BY THE OWNERS OF LOTS 1, 2, 3 AND 4, THEIR SUCCESSORS AND ASSIGNS.

11. THE 10 FOOT STORM DRAINAGE EASEMENT SHOWN AS (ZZZZZ) ON LOT 1, SHEET 2 OF 3, IS HEREBY GRANTED AND CONVEYED TO THE OWNERS OF LOT 4, THEIR SUCCESSORS AND ASSIGNS.

12. THE STORM DRAINAGE EASEMENT SHOWN AS (SSSSS) ON LOTS 1, 2, AND 3, SHEET 2 OF 3, IS HEREBY GRANTED AND CONVEYED TO THE OWNERS OF LOTS 1, 2, 3 AND 4, THEIR SUCCESSORS AND ASSIGNS.

13. TRACT 74, A CRITICAL AREA TRACT, IS HEREBY DEDICATED AND CONVEYED TO THE OWNER OF LOT 4, THEIR SUCCESSORS AND ASSIGNS.

LAND SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THIS BINDING SITE PLAN OF MILLER CREEK JUNCTION, AS DEPICTED ON SHEET 2 OF 3, IS BASED UPON AN ACTUAL SURVEY AND SUBDIVISION IN SECTION 29, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., THAT THE COORDINATES AND DISTANCES ARE SHOWN CORRECTLY HEREIN AND THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF THE BINDING SITE PLAN REGULATIONS.

Signature of Surveyor

PAUL L. MORROW P.L.S., CERTIFICATE No. 22693 DALEY-MORROW-POBLETT, INC. 728 ALBURN WAY NORTH BURDEN, WASHINGTON 98002 (253) 333-2200 (FAX) 333-2208

SEE SHEET 3 OF 3 FOR ADDITIONAL NOTES



DALEY-MORROW-POBLETT, INC. 728 ALBURN WAY NORTH ALBURN, WASHINGTON 98002 PHONE: (253)333-2200 (FAX)333-2208



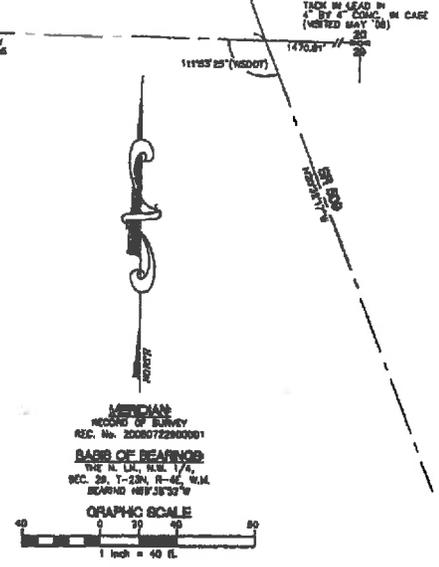
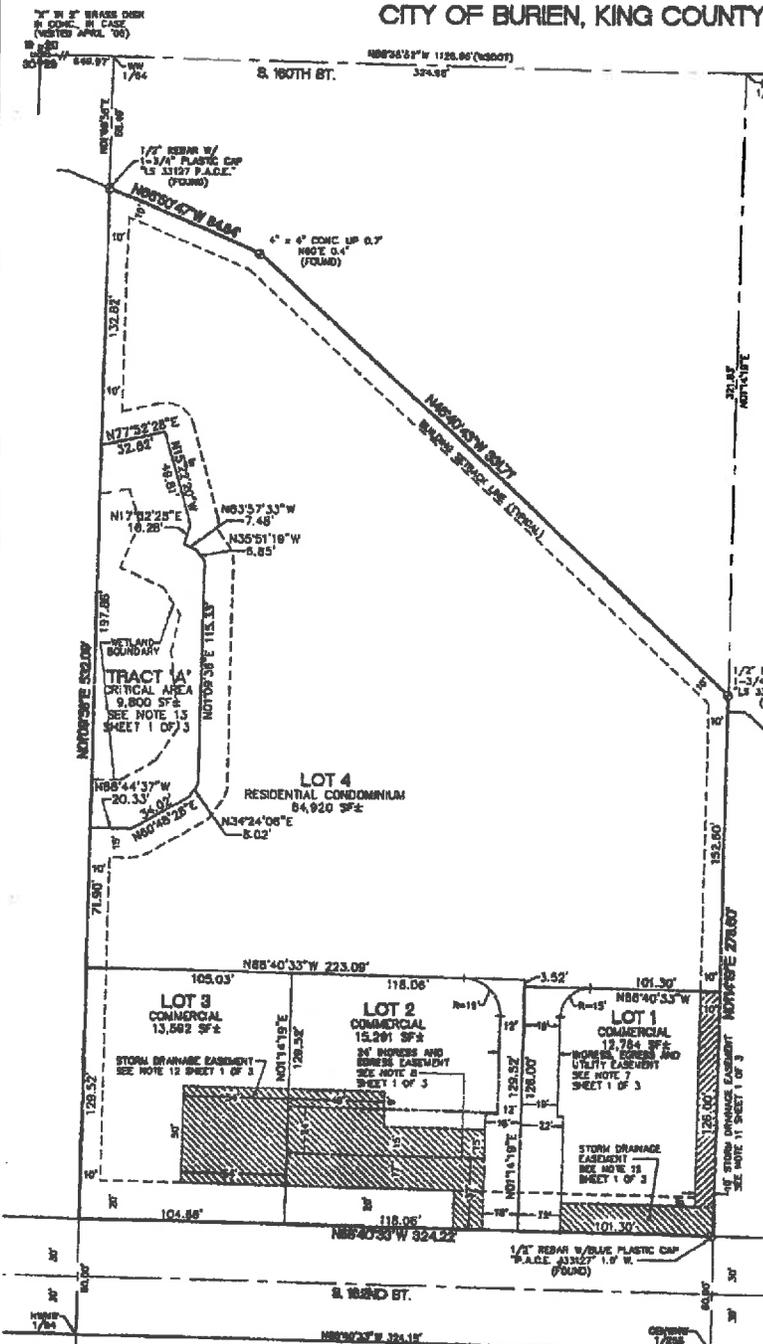
DATE

06 JUL '08 081828P

MILLER CREEK JUNCTION BINDING SITE PLAN

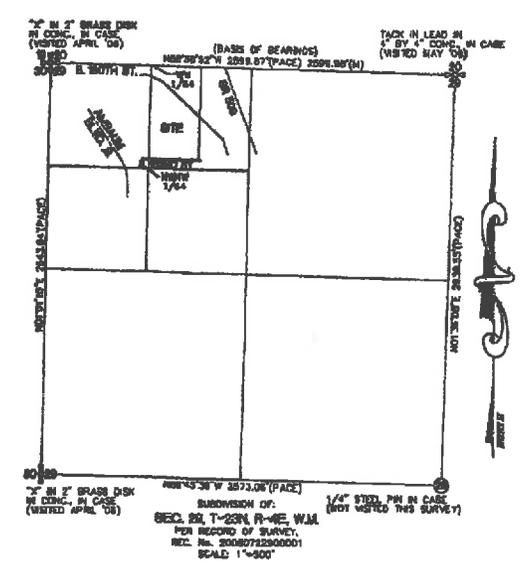
A PORTION OF THE N.W. 1/4, N.W. 1/4 SEC. 29, T-23N, R-4E, W.M.
CITY OF BURIEN, KING COUNTY, WASHINGTON

VOL/PAGE



MERIDIAN
RECORD OF SURVEY
REC. No. 2008072290001
BASE OF BEARING
THE N. D. M. R. 1/4,
SEC. 29, T-23N, R-4E, W.M.
BEARING N87°35'39\"

LEGEND
(MS207) SHEETS 2 AND 3 OF 7, WASHINGTON STATE HIGHWAY
COMMISSION DEPARTMENT OF HIGHWAYS PLAN TITLED:
SR 808 S.P. 23.87 TO N.P. 23.58 923 MONROE WAY SO.
TO SO. 140TH ST. DATED NOV. 2, 1987
(PAC) RECORD OF SURVEY, REC. No. 2008072290001
(04) MEASUREMENT



LEGAL DESCRIPTION
THE WEST HALF OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE WEST ALSO
FEET OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF
SECTION 29, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON;
EXCEPT THE NORTH 20 FEET THEREOF BE COMVEYED TO KING COUNTY AND CONSIDERED IN KING COUNTY SUPERIOR COURT
CASE No. 17078 FOR SOUTH 1800' STREET RIGHT-OF-WAY;
AND EXCEPT THAT PORTION HEREBY AS CONDEMNED IN KING COUNTY SUPERIOR COURT CASE No. 704522 FOR STATE HIGHWAY.

CITY OF BURIEN FILE No. PLA 07-0854

SHEET 2 OF 3



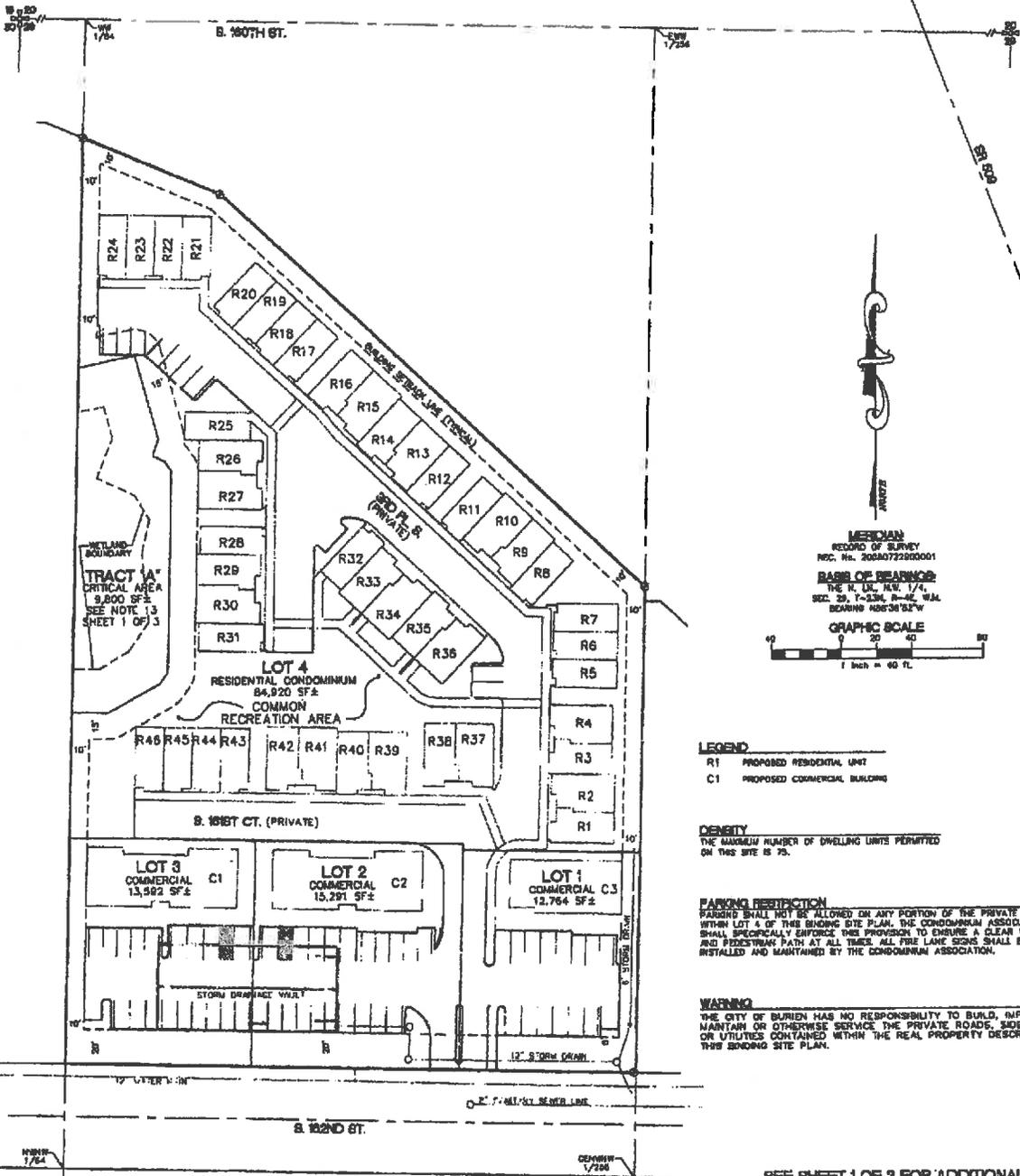
DALEY-MORROW-POBLETE, INC.
729 AUBURN WAY NORTH
ALBUQUERQUE, WASHINGTON 98002
PHONE: (253) 333-2200 (FAX) 333-2206

dmp ENGINEERING - SURVEYING
LAND PLANNING
01 JUL '08 0412282P

SEE SHEETS 1 AND 3 OF 3 FOR ADDITIONAL NOTES

MILLER CREEK JUNCTION BINDING SITE PLAN

A PORTION OF THE N.W. 1/4, N.W. 1/4 SEC. 29, T-29N, R-4E, W.M.
CITY OF BURIEN, KING COUNTY, WASHINGTON



LEGEND
R1 PROPOSED RESIDENTIAL UNIT
C1 PROPOSED COMMERCIAL BUILDING

DENSITY
THE MAXIMUM NUMBER OF DWELLING UNITS PERMITTED ON THIS SITE IS 75.

PARKING RESTRICTION
PARKING SHALL NOT BE ALLOWED ON ANY PORTION OF THE PRIVATE STREETS WITHIN LOT 4 OF THIS BINDING SITE PLAN. THE CONDOMINIUM ASSOCIATION SHALL SPECIFICALLY ENFORCE THIS PROVISION TO ENSURE A CLEAR VEHICULAR AND PEDESTRIAN PATH AT ALL TIMES. ALL FIRE LANE SIGNS SHALL BE INSTALLED AND MAINTAINED BY THE CONDOMINIUM ASSOCIATION.

WARNING
THE CITY OF BURIEN HAS NO RESPONSIBILITY TO BUILD, IMPROVE, MAINTAIN OR OTHERWISE SERVICE THE PRIVATE ROADS, SIDEWALKS OR UTILITIES CONTAINED WITHIN THE REAL PROPERTY DESCRIBED IN THIS BINDING SITE PLAN.

SEE SHEET 1 OF 3 FOR ADDITIONAL NOTES



DALEY-MORROW-POBLETE, INC.
738 AUBURN WAY NORTH
AUBURN, WASHINGTON 98002
PHONE: (206) 333-2200 (FAX) 333-2208

dmp ENGINEERING - SURVEYING
LAND PLANNING

**CITY OF BURIEN
AGENDA BILL**

Agenda Subject: Consider and approve Ordinance 584 authorizing a 1 year Line of Credit and authorize City Manager to execute Purchase and Sale Agreement for the former Sunny Terrace Elementary School property from Highline School District.		Meeting Date: July 15, 2013
Department: City Manager	Attachments: Proposed Ordinance 584	Fund Source: General Fund Activity Cost: \$3,600,000 Amount Budgeted: \$0 <i>llu</i> Unencumbered Budget Authority: N/A
Contact: Dan Trimble		
Telephone: 206.248.5528		
Adopted Initiative: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Initiative Description: NERA	
<p>PURPOSE/REQUIRED ACTION: The purchase of the former school property from the District would have two purposes. The first purpose is to assemble and consolidate ownership of large parcels in the NERA to facilitate large scale redevelopment. The second purpose is to use a small portion of the site, approximately 3/4 of an acre for a regional storm water facility that will have the capacity to serve approximately 40 acres in the NERA.</p> <p>BACKGROUND (Include prior Council action & discussion): The Northeast Redevelopment Area (NERA) was created in 1997 through the adoption of the City of Burien Comprehensive Plan. Community workshops, public meetings and stakeholder meetings were conducted throughout 2008 and 2009, and a Redevelopment Plan and Implementation Strategy was prepared in April 2010.</p> <p>The Highline School District parcel is the largest non-City, non-Port owned parcel remaining in the center of the redevelopment area. The School Board held a hearing on June 26, 2013 to both officially surplus the property and authorize staff to negotiate a sale of the property to the City of Burien. The property has been appraised at \$2,300,000. Approximately \$250,000 would be budgeted for demolition and transaction costs related to the purchase. Ordinance No. 584 authorizes the issuance and sale of a Limited Tax General Obligation Bond to fund the purchase and associated costs. The City has received an offer from KeyBank National Association dated July 10, 2013 to purchase the bond in the form of a non-revolving line of credit in the amount of \$3,600,000. Staff is recommending that the line of credit be used for this purchase as it is our intent to return the majority of this property to non-public ownership in 3 to 5 years. The line of credit has authorization for up to \$3,600,000, however, only the amount drawn from the line of credit requires repayment. The line of credit is only for one year, renewable up to five years and is limited to purchasing property in the NERA. The interest rate on the attached term sheet is Key Bank's 1 year Fixed Rate Cost of Funds plus 1.09%. If the loan closed today, the interest rate would be 1.65%.</p> <p>If the Council authorizes the City Manager to execute the Purchase and Sale Agreement, the School Board will likely take action on the Purchase and Sale Agreement on August 14, 2013.</p> <p>OPTIONS (Including fiscal impacts):</p> <ol style="list-style-type: none"> 1. Approve Administration recommendation for purchase and authorize the issuance and sale of a \$3.6 million Limited Tax General Obligation Bond (Non-Revolving Line of Credit). 2. Approve the purchase but authorize alternative source of funds for the purchase. 3. Do not approve the Line of Credit or the purchase. 		
Administrative Recommendation: Approve Ordinance 584 and authorize City Manager to execute Purchase and Sale Agreement with Highline School District for the former Sunny Terrace Elementary School property.		
Advisory Board Recommendation: N/A		
Suggested Motion: Move to approve Ordinance 584 and authorize City Manager to execute Purchase and Sale Agreement with Highline School District for the former Sunny Terrace Elementary School property.		
Submitted by: Dan Trimble, Economic Development Manager		
Administration <i>DT</i>	City Manager <i>llu</i>	
Today's Date: July 10, 2013	File Code: R:/CC/Agenda Bill 2013/071513cm-2 NERA HSD Purchase.docx	

CITY OF BURIEN, WASHINGTON
LIMITED TAX GENERAL OBLIGATION BOND
(NON-REVOLVING LINE OF CREDIT), 2013 (TAXABLE)

ORDINANCE NO. 584

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, AUTHORIZING THE ISSUANCE AND SALE OF A LIMITED TAX GENERAL OBLIGATION BOND OF THE CITY IN THE PRINCIPAL AMOUNT OF NOT TO EXCEED \$3,600,000 FOR THE PURPOSE OF PROVIDING FUNDS TO ACQUIRE AND IMPROVE REAL PROPERTY; PROVIDING THE FORM, TERMS, CONDITIONS, COVENANTS AND MATURITY OF THE BOND; AND AUTHORIZING THE SALE OF THE BOND TO KEYBANK NATIONAL ASSOCIATION.

PASSED: AUGUST 5, 2013

PREPARED BY:

PACIFICA LAW GROUP LLP
Seattle, Washington

CITY OF BURIEN
ORDINANCE NO. 584
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* This Table of Contents is provided for convenience only and is not a part of this ordinance.

CITY OF BURIEN, WASHINGTON

ORDINANCE NO. 584

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, AUTHORIZING THE ISSUANCE AND SALE OF A LIMITED TAX GENERAL OBLIGATION BOND OF THE CITY IN THE PRINCIPAL AMOUNT OF NOT TO EXCEED \$3,600,000 FOR THE PURPOSE OF PROVIDING FUNDS TO ACQUIRE AND IMPROVE REAL PROPERTY; PROVIDING THE FORM, TERMS, CONDITIONS, COVENANTS AND MATURITY OF THE BOND; AND AUTHORIZING THE SALE OF THE BOND TO KEYBANK NATIONAL ASSOCIATION.

WHEREAS, the City Council (the “Council”) of the City of Burien, Washington (the “City”), has deemed it in the best interest of the City and its citizens that the City acquire and improve certain real property (the “Project”); and

WHEREAS, the City is authorized by chapter 35A.40 RCW to issue general obligation bonds to pay the costs of the Project and RCW 39.46.050 provides that a local government authorized to issue bonds may establish a line of credit with any qualified depository to be drawn upon in exchange for its obligation; and

WHEREAS, the City has received the offer of KeyBank National Association (the “Bank”) dated July 10, 2013 set forth in Exhibit A attached hereto (the “Proposal”) to establish a line of credit for the purpose of financing the Project; and

WHEREAS, it is deemed necessary and advisable that the City accept the Bank’s offer to establish the line of credit in an amount of not to exceed \$3,600,000 and to issue to the Bank a limited tax general obligation bond in the principal amount of not to exceed \$3,600,000 (the “Bond”) to evidence such line of credit;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON DOES ORDAIN AS FOLLOWS:

Section 1. Definitions and Interpretation of Terms.

(a) *Definitions.* As used in this ordinance, the following words shall have the following meanings:

Bank means KeyBank National Association.

Bond means the City’s Limited Tax General Obligation Bond (Non-Revolving Line of Credit), 2013 (Taxable) authorized to be issued pursuant to this ordinance.

Bond Fund means the “City of Burien Bond Redemption Fund, 2013” authorized to be created pursuant to this ordinance.

Bond Register means the registration records for the Bond maintained by the Bond Registrar.

Bond Registrar means the Finance Director, whose duties include registering and authenticating the Bond, maintaining the Bond Register, transferring ownership of the Bond, and paying the principal of and interest on the Bond.

City means the City of Burien, Washington, a municipal corporation duly organized and existing by virtue of the laws of the State of Washington.

City Manager means the City Manager or Interim City Manager of the City, or his or her designee as appointed by the City Manager or Interim City Manager in writing, or any successor to the functions of that position.

Code means the Internal Revenue Code of 1986, as amended, and shall include all applicable regulations and rulings relating thereto.

Council means the City Council as the general legislative authority of the City, as the same shall be duly and regularly constituted from time to time.

Finance Director means the Finance Director of the City, or the successor to such officer.

Interest Rate means the rate of interest set forth in Section 10.

Northeast Redevelopment Area means the City adopted redevelopment area bounded by 8th Avenue South, Des Moines Memorial Drive and South 138th Street.

Outstanding Principal Balance means on any particular day the aggregate of all funds that the City has drawn from the Bank under the Bond to that day, less the aggregate of all principal payments on the Bond made by the City on or before that day.

Project means the project described in Section 2 of this ordinance.

Project Fund means the “Project Fund” as described in Section 7 of this ordinance.

Proposal means the proposal letter submitted by the Bank to purchase the Bond and included as Exhibit A attached hereto.

Registered Owner means the person in whose name the Bond is registered on the Bond Register.

Request for Draw means a written request by the City Manager or Finance Director for a draw from the line of credit authorized to be established by this ordinance, in substantially the form set forth in Exhibit B attached hereto.

Rule means the Commission’s Rule 15c2-12 under the Securities Exchange Act of 1934, as the same may be amended from time to time.

(b) *Interpretation.* In this ordinance, unless the context otherwise requires:

(1) The terms “hereby,” “hereof,” “hereto,” “herein,” “hereunder” and any similar terms, as used in this ordinance, refer to this ordinance as a whole and not to any particular article, section, subdivision or clause hereof, and the term “hereafter” shall mean after, and the term “heretofore” shall mean before, the date of this ordinance;

(2) Words of the masculine gender shall mean and include correlative words of the feminine and neutral genders and words importing the singular number shall mean and include the plural number and vice versa;

(3) Words importing persons shall include firms, associations, partnerships (including limited partnerships), trusts, corporations and other legal entities, including public bodies, as well as natural persons;

(4) Any headings preceding the text of the several articles and sections of this ordinance, and any table of contents or marginal notes appended to copies hereof, shall be solely for convenience of reference and shall not constitute a part of this ordinance, nor shall they affect its meaning, construction or effect; and

(5) All references herein to “articles,” “sections” and other subdivisions or clauses are to the corresponding articles, sections, subdivisions or clauses hereof.

Section 2. Authorization of the Project. The Bond is being issued, in part, to provide funds to finance costs of acquiring and improving real property located in the Northeast Redevelopment Area (the “Project”) of the City. The cost of all necessary appraisals, negotiation, closing, architectural, engineering, financial, legal and other consulting services, inspection and testing, administrative and relocation expenses and other costs incurred in connection with the Project shall be deemed a part of the Project.

Section 3. Authorization of the Bond. The City shall, for the purpose of financing costs of the Project and paying costs of issuing the Bond, establish a line of credit. To evidence such line, the City shall issue its limited tax general obligation bond in the principal amount of not to exceed \$3,600,000 (the “Bond”). The Bond shall be designated the “City of Burien, Washington, Limited Tax General Obligation Bond (Non-Revolving Line of Credit), 2013 (Taxable),” shall be dated as of its date of delivery, shall be fully registered as to both principal and interest, shall be in one denomination, and shall mature one year from its dated date, as provided in the Bond. Amounts drawn on the line of credit evidenced by the Bond shall bear interest at the Interest Rate pursuant to a Request for Draw in substantially the form set forth on Exhibit B, which is hereby incorporated by this reference. The City shall maintain records of amounts drawn on the Bond. The City hereby delegates to the City Manager or Finance Director authority to make written Request for Draws pursuant to the terms of this ordinance.

Interest on each draw on the Bond shall accrue from the date money is drawn until paid and shall be calculated per annum on the basis of a 360-day year and the actual number of days elapsed. All accrued interest and principal on the Bond shall be payable at maturity.

At the option of the City Council and with the consent of the Bank, the final maturity of the Bond may be extended on each anniversary of its dated date (each, an "Extension Date") for up to four additional one-year terms, resulting in a final maturity of no later than five years from the dated date of the Bond. If the City Council determines that it is in the best interest of the City to extend the term of the Bond, and the Bank approves such extension, the City Council shall authorize the extension by the adoption of a new ordinance or an amendatory ordinance establishing the terms and conditions, including any adjustment to the Interest Rate, for such extension. Thereafter, the City shall authenticate and deliver a replacement Bond to the Registered Owner. If the City has determined that it is in the best interest of the City to not extend the term of the Bond, all accrued interest and principal on the Bond shall be payable at maturity.

Section 4. Registration, Exchange and Payments.

(a) *Registrar/Bond Registrar.* The Finance Director shall act as Bond Registrar. The Bond Registrar is authorized, on behalf of the City, to authenticate and deliver the Bond if transferred or exchanged in accordance with the provisions of the Bond and this ordinance and to carry out all of the Bond Registrar's powers and duties under this ordinance.

(b) *Registered Ownership.* The City and the Bond Registrar may deem and treat the Registered Owner of the Bond as the absolute owner for all purposes, and neither the City nor the Bond Registrar shall be affected by any notice to the contrary. Payment of the Bond shall be made only as described in subsection (e) below. All such payments made as described in subsection (e) below shall be valid and shall satisfy the liability of the City upon the Bond to the extent of the amount so paid.

(c) *No Transfer or Exchange of Registered Ownership.* The Bond shall not be transferrable unless (i) the Bank's corporate name is changed and the transfer is necessary to reflect such change; or (ii) the transferee is a successor in interest of the Bank by means of a corporate merger, an exchange of stock, or a sale of assets.

(d) *Registration Covenant.* The City covenants that, until the Bond has been surrendered and canceled, it will maintain a system for recording the ownership of the Bond that complies with the provisions of Section 149 of the Code.

(e) *Place and Medium of Payment.* Both principal of and interest on the Bond shall be payable in lawful money of the United States of America. Principal on the Bond shall be payable by check or warrant or by other means mutually acceptable to the Bank and the City. Interest shall be payable as provided in Section 3. Upon final payment of principal and interest of the Bond, the Registered Owner shall surrender the Bond for cancellation at the office of the Bond Registrar.

Section 5. Form of Bond. The Bond shall be in substantially the following form:

UNITED STATES OF AMERICA

NO. R-1

\$3,600,000
(or as much thereof as
may be drawn hereunder)

STATE OF WASHINGTON

CITY OF BURIEN
LIMITED TAX GENERAL OBLIGATION BOND
(NON-REVOLVING LINE OF CREDIT), 2013 (TAXABLE)

INTEREST RATE: _____ %
MATURITY DATE: _____, 2014
REGISTERED OWNER: KEY BANK NATIONAL ASSOCIATION
PRINCIPAL AMOUNT: NOT TO EXCEED THREE MILLION SIX HUNDRED
 THOUSAND AND NO/100

The City of Burien, Washington (the "City"), hereby acknowledges itself to owe and for value received promises to pay to the Registered Owner identified above, on or before the Maturity Date identified above, the Outstanding Principal Balance (as defined in the within-mentioned Bond Ordinance). The Outstanding Principal Balance shall bear interest at the Interest Rate identified above, as set forth in Ordinance No. 584 of the City, adopted on August 5, 2013 (the "Bond Ordinance"). Interest on each draw making up the Outstanding Principal Balance shall accrue from the date money is drawn, pursuant to a Request for Draw, until paid and shall be computed per annum on the principal amount outstanding on the basis of a 360-day year and the actual number of days elapsed. All accrued interest and principal on this bond shall be payable on the Maturity Date identified above, unless such date is extended as provided in the Bond Ordinance. Capitalized terms used in this bond have the meanings given such terms in the Bond Ordinance.

Both principal of and interest on this bond are payable in lawful money of the United States of America. Principal and interest shall be paid to the Registered Owner out of the Bond Fund of the City. Interest shall cease to accrue on the date this bond is paid in full.

This bond may be prepaid prior to maturity as provided in the Bond Ordinance.

The City covenants that it will levy taxes annually upon all the taxable property in the City within the levy limits permitted to cities without a vote of the electors and in amounts sufficient, with other moneys legally available therefor, to pay the principal of and interest on this bond as the same shall become due. The full faith, credit, and resources of the City are hereby irrevocably pledged for the annual levy and collection of such taxes and the prompt payment of such principal and interest.

This bond shall not be valid or become obligatory for any purpose or be entitled to any security or benefit under the Bond Ordinance until the Certificate of Authentication hereon shall have been manually signed by or on behalf of the Bond Registrar or its duly designated agent.

This bond is issued pursuant to the Constitution and laws of the State of Washington, and duly adopted ordinances of the City, to provide interim financing for a legal settlement and to pay costs of issuance for this bond.

This bond is not transferrable unless (i) the Registered Owner's corporate name is changed and the transfer is necessary to reflect such change; or (ii) the transferee is a successor in interest of the Registered Owner by means of a corporate merger, an exchange of stock, or a sale of assets.

It is hereby certified that all acts, conditions and things required by the Constitution and statutes of the State of Washington to exist, to have happened, been done and performed precedent to and in the issuance of this bond have happened, been done and performed and that the issuance of this bond does not violate any constitutional, statutory or other limitation upon the amount of bonded indebtedness that the City may incur.

IN WITNESS WHEREOF, the City of Burien, Washington has caused this bond to be executed by the manual or facsimile signatures of the Mayor and the City Clerk and the seal of the City imprinted, impressed or otherwise reproduced hereon as of this ____ day of _____, 2013.

[SEAL]

CITY OF BURIEN, WASHINGTON

By _____ /s/ manual or facsimile
Mayor

ATTEST:

_____/s/ manual or facsimile
City Clerk

The Certificate of Authentication for the Bond shall be in substantially the following form:

CERTIFICATE OF AUTHENTICATION

This is the Limited Tax General Obligation Bond (Non-Revolving Line of Credit), 2013 (Taxable) of the City of Burien, Washington, dated _____, 2013, as described in the within-referenced Ordinance No. 584 of the City.

FINANCE DIRECTOR, as Bond Registrar

By _____

Section 6. Execution of Bond. The Bond shall be executed on behalf of the City with the manual or facsimile signatures of the Mayor and City Clerk of the City and the seal of the City shall be impressed, imprinted or otherwise reproduced thereon.

Only such Bond as shall bear thereon a Certificate of Authentication in the form hereinbefore recited, manually executed by the Bond Registrar, shall be valid or obligatory for any purpose or entitled to the benefits of this ordinance. Such Certificate of Authentication shall be conclusive evidence that the Bond so authenticated has been duly executed, authenticated and delivered hereunder and are entitled to the benefits of this ordinance.

In case either of the officers who shall have executed the Bond shall cease to be an officer or officers of the City before the Bond so signed shall have been authenticated or delivered by the Bond Registrar, or issued by the City, such Bond may nevertheless be authenticated, delivered and issued and upon such authentication, delivery and issuance, shall be as binding upon the City as though those who signed the same had continued to be such officers of the City. The Bond may also be signed and attested on behalf of the City by such persons who at the date of the actual execution of the Bond, are the proper officers of the City, although at the original date of such Bond any such person shall not have been such officer of the City.

Section 7. Application of Bond Proceeds. The City shall establish a fund designated the "Project Fund" (the "Project Fund") into which the proceeds of draws on the Bond shall be deposited. Money in the Project Fund shall be used to pay the costs of the Project and costs of issuance of the Bond. The Finance Director may invest money in the Project Fund in legal investments for City funds. Earnings on such investments shall accrue to the benefit of the Project Fund. Money remaining in the Project Fund after all costs of the Project have been paid (including costs of issuance) may be used for any lawful City purpose.

Section 8. Bond Fund and Provision for Tax Levy Payments. The City hereby authorizes the creation of a fund to be used for the payment of debt service on the Bond, designated as the "City of Burien Bond Redemption Fund, 2013" (the "Bond Fund"). The Bond Fund shall be drawn upon for the sole purpose of paying the principal of and interest on the Bond.

The City hereby irrevocably covenants and agrees that, unless the principal of and interest on the Bond are paid from other sources, it will make annual levies of taxes upon all of the property in the City subject to taxation within and as a part of the tax levy permitted to cities without a vote of the electors in amounts sufficient to pay such principal and interest as the same shall become due. The full faith, credit and resources of the City are hereby irrevocably pledged for the annual levy and collection of such taxes and for the prompt payment of such principal and interest.

Section 9. Right of Prepayment. The City reserves the right to prepay and redeem the Bond, in whole or in part, on any date, at a price of the Outstanding Principal Balance plus accrued interest to the date of redemption, plus a prepayment fee determined pursuant to the Proposal.

Section 10. Sale of the Bond. The City hereby accepts the Bank's Proposal in accordance with the terms contained in this ordinance and the Bank's Proposal, which is attached as Exhibit A. The Finance Director is hereby authorized to approve the Interest Rate for the Bond, which shall be a fixed rate of interest equal to the Bank's one-year fixed rate cost of funds plus 1.09%, as provided in the proposal; provided, however, such Interest Rate shall not exceed 2.0%. The Finance Director is hereby authorized to agree to any other terms, conditions and covenants that are in the best interest of the City and in accordance with the Bank's Proposal.

The appropriate City officials are hereby authorized and directed to do everything necessary for the prompt issuance, execution and delivery of the Bond and for the proper application and use of the proceeds thereof.

Section 11. Ongoing Disclosure; Information to be Provided to Bank. The Bond is exempt from ongoing disclosure requirements of the Rule.

While the Bond is outstanding, the City will provide the following information to the Bank:

- (a) Unaudited financial statements for the City within 180 days of each fiscal year end (the City's fiscal year currently ends December 31);
- (b) Audited financial statements within 10 days of completion; and
- (c) Such other information as may be reasonably requested by the Bank from time to time.

Section 12. Lost, Stolen or Destroyed Bond. In case the Bond shall be lost, stolen or destroyed, the Bond Registrar may execute and deliver a new Bond of like date, number and tenor to the Registered Owner thereof upon the Registered Owner's paying the expenses and charges of the City and the Bond Registrar in connection therewith and upon his/her/its filing with the City evidence satisfactory to the City that such Bond was actually lost, stolen or destroyed and of his/her/its ownership thereof, and upon furnishing the City and/or the Bond Registrar with indemnity satisfactory to the City and the Bond Registrar.

Section 13. Severability; Ratification. If any one or more of the covenants or agreements provided in this ordinance to be performed on the part of the City shall be declared by any court of competent jurisdiction to be contrary to law, then such covenant or covenants, agreement or agreements, shall be null and void and shall be deemed separable from the remaining covenants and agreements of this ordinance and shall in no way affect the validity of the other provisions of this ordinance or of the Bond. All acts taken pursuant to the authority granted in this ordinance but prior to its effective date are hereby ratified and confirmed.

Section 14. Effective Date of Ordinance. This ordinance shall be effective five (5) days after its passage, approval and publication as provided by law.

ADOPTED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE 5TH DAY OF AUGUST, 2013, AND SIGNED IN AUTHENTICATION OF ITS PASSAGE OF THIS 5TH DAY OF AUGUST, 2013.

CITY OF BURIEN, WASHINGTON

Brian Bennett, Mayor

ATTEST/AUTHENTICATED:

Monica Lusk, City Clerk

Approved as to form:

Pacifica Law Group LLP, Bond Counsel

Filed with the City Clerk: _____

Passed by the City Council: _____

Ordinance No. 584

Date of Publication: _____

Exhibit A

Bank's Proposal
(attached)



July 10, 2013

Ms. Kim Krause
Finance Director
400 SW 152nd Street
Burien WA 98146
City of Burien

Re: City of Burien
\$3,600,000 Non Revolving Line of Credit

Dear Kim:

KeyBank is pleased to offer the City of Burien, Washington the following proposal in response to your request for financing of the purchase of Real Estate. Although we believe the indicative terms and conditions listed below are responsive to your request, we welcome your input as to any aspects that may not suit the City's needs.

- BORROWER:** City of Burien
- CREDIT FACILITY:** Limited Tax General Obligation Bond (Non-Revolving Line of Credit)
- AMOUNT:** Up to \$3,600,000
- PURPOSE:** To finance the purchase of property. The Credit Facility will bridge the receipt of proceeds from the sale of property and/or the issuance of bonds.
- SECURITY:** Secured by a full faith and credit pledge of the City of Burien.
- TAX STATUS:** Taxable
- ORIGINATION FEE:** No loan fee will be required for this facility.
- MATURITY:** One Year. Multiyear extensions of the Limited Tax General Obligation Bond (Non-Revolving Line of Credit) are available subject to updated Interest Rates on Note and Bank approval.

REPAYMENT: Principal and interest due at maturity.

INTEREST RATES: KeyBank's 1 year Fixed Rate Cost of Funds + 1.09%
(Fixed rate of 1.65% if closed today)

A callable option is available with applicable pricing in subsequent years

DAY COUNT BASIS: Interest payments will be calculated on an actual/360 basis.

PREPAYMENT: A prepayment penalty fee to be determined by the Bank based on market conditions, may apply should the Credit Facility be prepaid.

EXPENSES: Borrower shall pay all costs and expenses including the Bank's outside attorney's costs and fees, and any other costs of the Bank in connection with this Credit Facility.

LOAN DOCUMENTS: All required documentation including the borrowing resolution, the Note, and the associated tax and validity opinion, will be prepared by acceptable Bond counsel, and delivered to Bank prior to closing. All documents must be acceptable to Bank and Bank's legal counsel. All legal fees for this documentation will be assessed to the account of the Borrower.

COVENANTS:

- 1) Receipt of full-year unaudited financial statements within 180 days of the fiscal year end. Receipt of full-year audited financial statement within 10 days of completion. Receipt of other information as Bank may from time to time reasonably request.

CONDITIONS:

- 1) Receipt and satisfactory review of resolutions authorizing the borrowing.
- 2) Receipt and satisfactory review of legal opinion certifying Borrower's ability to enter into the transaction and the tax status of the obligation.
- 3) The Borrower shall agree to notify the Bank promptly of any material adverse development that might affect the repayment of the Credit Facility to the Bank.

**ADDITIONAL
INFORMATION:**

The Bank may reasonably request additional information in order to secure credit approval.

TIMING:

The Bank's approval process will take approximately 10 business days from the time all requested information is received.

OTHER:

Multiple draws are available on Non Revolving Line of Credit

This proposal shall expire September 30, 2013, unless extended by mutual agreement and must close within sixty days after indication of acceptance.

The Bank's proposed obligation under this proposal shall be subject to satisfaction of all of the conditions contained herein and all documentation that is customarily undertaken in a loan transaction and is subject to the final credit approval. The issuance of this proposal shall not prejudice the Bank's rights of review and approval, including without limitation, of all documents and materials heretofore delivered to the Bank by or on behalf of the City.

Sincerely,

Mike Tibbits
Vice President
Senior Relationship Manager

Exhibit B

Form of Request for Draw
(attached)

CITY OF BURIEN, WASHINGTON
LINE OF CREDIT

Request for Draw No. _____

To: KeyBank National Association

Attn: _____

On behalf of the City of Burien, Washington (the "City"), I hereby certify that:

1. I am the City Manager/Interim City Manager/Finance Director of the City, or his/her authorized designee, authorized by Ordinance No. 584 of the City Council passed on August 5, 2013 (the "Ordinance") to request this draw on the line of credit established by the Bond and to make the representations on behalf of the City set forth herein.

2. The City requests a draw in the amount of \$_____.

The amount of this draw plus the current Outstanding Principal Balance on the line of credit established by the Bond does not exceed \$3,600,000. Please disburse the draw to the City on _____, 20__, by depositing funds to the City as follows:

ABA Number _____
For the Account of the City
Account No. _____
City – Draw No. _____

3. The City acknowledges that this draw requires satisfaction of the conditions set forth in the Ordinance.

4. The draw will be expended to finance the Project, as authorized by the Ordinance.

5. Except as previously disclosed to the Bank, there is no action, suit, proceeding or investigation at law or in equity before or by any court or governmental body pending or, to the best of the knowledge of the City, threatened against the City to restrain or enjoin passage of the Ordinance or the execution and delivery of the Bond, or the collection and application of funds as contemplated by the Ordinance and the Bond, which, in the reasonable judgment of the City, would have a material and adverse effect on the ability of the City to pay the amounts due under the Ordinance and the Bond.

6. All representations of the City in the Ordinance were true and correct when made, and remain true and correct on this date.

Dated as of this _____ day of _____, 20__.

CITY OF BURIEN, WASHINGTON

By: _____
City Manager/Interim City Manager/
Finance Director/Designee

CERTIFICATE

I, the undersigned, City Clerk of the City Council of the City of Burien, Washington (the “City”), DO HEREBY CERTIFY:

1. That the attached Ordinance is a true and correct copy of Ordinance No. 584 of the City Council (the “Ordinance”), duly passed at a regular meeting thereof held on the 5th day of August, 2013.

2. That said meeting was duly convened and held in all respects in accordance with law, and to the extent required by law, due and proper notice of such meeting was given; that a legal quorum was present throughout the meeting and a legally sufficient number of members of the City Council voted in the proper manner for the passage of the Ordinance; that all other requirements and proceedings incident to the proper passage of the Ordinance have been duly fulfilled, carried out and otherwise observed; and that I am authorized to execute this certificate.

IN WITNESS WHEREOF, I have hereunto set my hand this 5th day of August, 2013.

Monica Lusk, City Clerk

**CITY OF BURIEN
AGENDA BILL**

Agenda Subject: Review of Council Proposed Agenda Schedule		Meeting Date: July 15, 2013
Department: City Manager	Attachments: <u>Proposed Meeting Schedule</u>	Fund Source: N/A Activity Cost: N/A Amount Budgeted: N/A Unencumbered Budget Authority: N/A
Contact: Monica Lusk, City Clerk		
Telephone: (206) 439-5517		
Adopted Initiative: Yes No <input checked="" type="checkbox"/>	Initiative Description: N/A	
PURPOSE/REQUIRED ACTION:		
<p>The purpose of this agenda item is for Council to review the proposed City Council meeting schedule. New items or items that have been rescheduled are in bold.</p>		
BACKGROUND (Include prior Council action & discussion):		
<p>According to City Council policies, the proposed meeting schedule is reviewed during the last meeting of each month.</p>		
OPTIONS (Including fiscal impacts):		
<ol style="list-style-type: none"> 1. Review the schedule, and add, delete, or move items. 2. Review the schedule and make no modifications. 		
Administrative Recommendation: Review the schedule and provide direction to staff.		
Suggested Motion: None required.		
Submitted by: Monica Lusk Administration 		Mike Martin City Manager 
Today's Date: July 9, 2013		File Code: R:/CC/Agenda Bills 2013/071513cm-1 Rev <u>Agenda Schedule</u>

**CITY OF BURIEN
COUNCIL PROPOSED AGENDA SCHEDULE
2013**

August 5, 7 pm Regular Council Meeting

Discussion on and Possible Motion to Adopt Ordinance No. 586, Relating to Local Government Investment Pool.
(Finance)

Update on the Seahurst Park North Seawall Removal and Beach Restoration Project.
(Parks)

Presentation of 2nd Quarter 2013 Financial Report.
(Finance)

Discussion on Potential Ordinance Reducing Gambling Tax.
(Finance)

City Manager's Report.
(City Manager)

August (Summer Schedule)/September (Regular Schedule)

1. Review of Proposed Council Agenda Schedule.
(City Manager)
2. City Manager's Report.
(City Manager)
3. September 2 – CANCELLED – Labor Day
4. **Discussion and Possible Motion on Arts Commission Proposal for a Revised Arts Funding Recommendation Process.**
(Parks)
5. Discussion on Revising Utility Undergrounding Ordinance.
(Public Works – Council direction on 6/17)



Burien

Washington, USA

400 SW 152nd St., Suite 300, Burien, WA 98166
Phone: (206) 241-4647 • FAX (206) 248-5539
www.burienwa.gov

MEMORANDUM

TO: Honorable Mayor and Members of the City Council
FROM: Mike Martin, City Manager
DATE: July 15, 2013
SUBJECT: City Manager's Report

I. INTERNAL CITY INFORMATION

A. City Spanish-language newsletter

The Communications Office published a four-page Spanish-language newsletter that was distributed the first week in July. The full-color newsletter included information on the Music in the Park series and about various City programs and services of interest to the Hispanic community. The newsletter was inserted into 3,000 copies of La Raza newspaper that was distributed to restaurants and stores that serve Hispanics. Copies were also available on racks at City Hall, the community Center and the library. The newsletter replaces the Spanish-language page in the English edition of Burien City News (online: <http://www.burienwa.gov/Archive.aspx?ADID=1959>). Also, Spanish-language advertisements on the Music in the Park series are being broadcast on LaGrand radio, which is a popular station among Hispanics.

B. Burien Receives Government Finance Officers Association (GFOA's) Distinguished Budget Presentation Award

The Finance Department received the Government Finance Officers Association (GFOA) Distinguished Budget Presentation Award for its 2013 - 2014 Adopted Budget. Entities receiving the award must satisfy nationally recognized guidelines for effective budget presentation. Those guidelines assess how well an entity's document serves as a policy document, a financial plan, an operations guide and a communication device. The City has received this award for nine consecutive budget documents.

C. Comprehensive Annual Financial Report Complete

The 2012 Comprehensive Annual Financial Report (CAFR) was completed in June and is now published on the City's website: (<http://www.burienwa.gov/DocumentCenter/View/4372>). The report was submitted to the Government Finance Officers Association of the United States and Canada (GFOA) to determine if it qualifies for the Certificate of Achievement for Excellence in Financial Reporting. In order to qualify for the award, a government must publish an easily readable and efficiently organized CAFR that satisfies both generally

accepted accounting principles and applicable legal requirements. The City has received this prestigious award for eighteen consecutive years.

D. 2012 Annual Financial Audit Complete (Page 347)

Each year the State Auditor's Office does a financial and legal compliance audit of the City. The audit for the 2012 financial statements is complete. The Exit Conference was held on July 10, 2013 and included two staff from the State Auditor's Office, Councilmember Rose Clark, the City Manager, the Finance Director and the Accounting Manager. The auditor's office reported that for the 14th consecutive year the City has received a clean opinion on the financial statements and no legal compliance findings. Attached you will find a summary of the exit conference, including two recommendations from the auditor.

E. June Construction Permit Reports (Page 351)

Attached are the monthly reports for construction permits issued and construction permit applications received during the month of June. Compared to May, the number of construction permit applications received increased slightly and the valuation increased significantly. Compared to May, the number of construction permits issued in June remained steady and value of Construction Permits issued increased significantly.

F. Construction Permits Issued

The following significant construction permits were issued in the month of June:

Highline Heritage Museum

A building permit was issued to build a new 2 story 15,000 SF museum to be located at 819 SW 152nd Street. The project has a construction valuation of \$5 million.

Portable Classrooms

Construction permits were issued to install a portable classroom at each of the following schools: Hazel Valley, Seahurst and Gregory Heights Elementary Schools. Work includes installation ramps, stairs and electrical service.

Kennedy Catholic High School Lab upgrades

Construction permits were issued for renovation of the existing science lab classroom at Kennedy Catholic High School located at 140 S 140th St. This is the first phase of renovation for this building and has a construction valuation of \$500,000.

G. Construction Permits Applications

The following significant construction permit applications were received in the month of June:

Puget Sound Skills Center Health Sciences and Central Plant Buildings

Permit applications were received for construction of a health sciences building at the Puget Sound Skills Center campus located at 18010 8th Ave S. The project has a construction valuation of \$16 million.

Navos Independence Bridge Residential Apartments

Permit applications were received for construction of a 25 unit apartment building and related site improvements located at 1033 SW 152nd Street, Ruth Dykeman Campus. The project has a construction valuation of \$2 million.

H. Tra Lee Apartment Repairs Complete

On January 28, 2013, a fire swept through 3 floors of the Tra-lee apartments displacing all residents. While most of the 24 apartments were able to be re-occupied within a week, 9 units were severely damaged and required extensive repair work. The City issued permits for those repairs. On July 1, 2013, City inspectors performed a final inspection and gave occupancy approval for those units.

I. 1st Avenue South Phase 2 Nears Completion

Final paving was completed on July 3rd and all of the new signals (S/SW 146th, S/SW 143rd, and S/SW 140th) are operating. Remaining work items to be finished are: striping; manhole/valve lid adjustments; concrete ramp/sidewalk completion; completion of lights and punch list items. These items were scheduled to be worked on during the weeks of July 8th and July 15th; substantial completion is expected to be given during the week of July 15th. The project is expected to finish under budget.

J. Ethics Code issue regarding employment after leaving the City

Pursuant to the request of Councilmember Edgar, staff researched how Burien and other cities deal with the issue of employment of city officials and employees after they leave the city.

Burien's Ethics Code, as adopted by Resolution 115 on June 6, 2005, provides that former Councilmembers may apply for employment with the City only after being out of office for at least two years. It also provides that former employees may contract with the City only at a rate comparable to what the City would pay for those services in the adopted salary and benefits plan.

Some cities' ethics codes do not deal at all with this issue. These cities include Tukwila, Renton, Fircrest, Woodinville, Bellevue, Kirkland, Snoqualmie, Shoreline, Marysville, Vancouver, and Richland. Of the cities that do deal with this issue, there are a variety of approaches. Please see the attached summary of these approaches on page 353.

K. Staff response to Council's request for report on City's graffiti abatement procedures

The following information is submitted at the Council's request for a report on the City's graffiti abatement procedures.

Graffiti on Private Property

Generally, when graffiti is reported by a citizen or observed by City staff on private property, the City's code enforcement officer documents and photographs the graffiti

and works with the property owner to remove or paint over the graffiti within 5 business days.

For residential property, the property owner is issued a "Graffiti Removal Notice" requesting that the graffiti be removed by a date certain and allowing the property owner to obtain graffiti removal tool kits and paint free of charge at Miller Paint or Sherwin Williams in Burien.

For commercial property, the City offers "TAG" -a graffiti removal program for commercial properties- free of charge. If the property is enrolled in this program, the City will direct its graffiti removal contractor to remove the graffiti within 5 business days. In order to become eligible for TAG, the property owner and business owner, if applicable, must sign a Consent to Entry and Hold Harmless Agreement form authorizing the City to remove the graffiti, and the business or rental property must have a current City of Burien business or rental housing license, as applicable.

Graffiti in Public Right of Way

When graffiti removal requests are received by Public Works for graffiti in the City's rights-of-way, the requests are entered into the Maintenance Department's work order database system and submitted the same day to the Public Works Maintenance Manager. The Maintenance Manager analyzes the Maintenance crew's work load and dispatches the requests as the work load allows. To be efficient, the Manager generally assigns a crew to work on graffiti once every week or two depending on the amount of requests. While graffiti is a high priority for the Maintenance Department, it comes second to safety issues such as repairing potholes, replacing downed signs, or preventing flooding from a plugged storm drain. Generally, the goal is to remove the graffiti within 7 days and no longer than 14 days.

Parks' Graffiti Removal Program and Procedures

The PaRCS Department's graffiti removal program is a combination of annually contracted services and the efforts of its single Parks Maintenance Worker. Graffiti (and vandalism) are either reported by the public, contractors, or found on regular safety inspections by the Parks Maintenance Worker.

Currently, the PaRCS contractor (CleanScapes) inspects and removes any graffiti found in the Skate Park and playtoy areas of several of our parks every 7 days and removes any offensive graffiti found within 48 hours. Removal is accomplished with environmentally safe chemical products and a truck-mounted hot water pressure washer. In addition, pictures are taken of the graffiti and a photo report is emailed to PaRCS by the contractor each month. The Parks Maintenance Worker spends an average of 5 hours a week removing graffiti in other areas of the City's parks.

In 2012, PaRCS spent approximately \$30,000 on graffiti removal efforts (in addition to \$10,000 on vandalism repairs).

II. COUNCIL UPDATES/REPORTS

A. Final 2013 Legislative Session Update (Page 355)

The attached update from Mike Doubleday, Government Relations Specialist, summarizes the final results of the 2013 legislative session.

B. Notice: (Page357)

The following (attached) Notice was published:

- Notice of Application: File Number PLA 13-1255; Short Plat One (1) Residential Lot into Three (3) Residential Lots.



City of Burien Exit Conference July 10, 2013

**Washington
State Auditor
Troy Kelley**

**Director of State
and Local Audit
Chuck Pfeil**

(360) 902-0366

Chuck.Pfeil@sao.wa.gov

**Deputy Director
Sadie Armijo**

(360) 676-2165 ext
108

armijos@sao.wa.gov

**Audit Manager
Jim Griggs**

(253) 372-6250 ext
105

griggsj@sao.wa.gov

**Audit Supervisor
Evans Anglin**

(253) 372-6250 ext
107

angline@sao.wa.gov

**Audit Lead
Kevin
Montgomery**

(253) 372-6250 ext
112

montgomk@sao.wa.gov

Meeting Agenda

The purpose of our exit conference is to share the results of our independent audit and to provide a forum for open discussion. We are pleased to review our draft reports and discuss other topics as listed below with you.

- Accountability audit report
- Financial statement audit report and other required communications
- Federal grant compliance audit report
- Recommendations not included in our audit reports
- Status of prior audit recommendations
- Agreed-upon services
- Report publication
- Audit cost analysis
- Your next scheduled audit
- Customer service survey

Preliminary audit results and recommendations were shared in detail with City management and personnel as they were developed during the audit. We would like to thank staff for their cooperation and timely response to our requests during the audit.

We take seriously our responsibility of serving citizens by promoting accountability, fiscal integrity and openness in state and local government. We believe it is critical to citizens and the mission of the City that we work together as partners in accountability to prevent problems and constructively resolve issues. As such, we encourage your comments and questions.

Accountability Audit

Report

Our draft accountability report summarizes the results of our risk-based audit work related to safeguarding of public resources and legal compliance. The report does not include any findings.

Financial Statement Audit

Report

Our draft financial statement report includes our opinion on the financial statements. It also includes our report on internal control over financial reporting and on noncompliance and other matters as required by *Government Auditing Standards*.

An unmodified opinion will be issued on the financial statements, which means that we believe they are presented fairly, in all material respects.

In relation to our report, we would like to bring to your attention:

- There were no uncorrected misstatements in the audited financial statements.
- There were no material misstatements in the financial statements corrected by management during the audit.
- No significant deficiencies in internal control over financial reporting were identified.
- No instances of noncompliance were identified that could have a direct and material effect on the determination of financial statement amounts.

Federal Grant Compliance Audit

Report

Our draft report discloses the results of our audit of compliance and internal controls over federal grant programs. It includes no findings.

Recommendations not included in the Audit Reports

Exit Items

We have provided exit recommendations for management's consideration. They are not referenced in the audit report.

Status of Prior Audit Recommendations

There were no findings or management letter items in the prior audit.

Concluding Comments

Report Publication

Audit reports are published on our website and distributed via e-mail in an electronic .pdf file. We also offer a subscription service that allows you to be notified by email when audit reports are released or posted to our website. You can sign up for this convenient service at: www.sao.wa.gov/EN/News/Subscriptions

Audit Cost Analysis

	2012	2011	2010
Audit Cost	\$31,832.00	\$26,469.00	\$35,725.00
Travel Expenses	\$400.00	\$378.00	\$553.00
Total Costs	\$32,232.00	\$26,847.00	\$36,278.00
City's Total Expenses	\$31,242,538.00	\$30,794,271.00	\$29,016,253.00
Cost as % of Expenses	0.1%	0.09%	0.13%

Your Next Scheduled Audit

Your next audit is scheduled to be conducted in April 2014 and will cover the following general areas:

- Accountability for Public Resources
- Financial Statement
- Federal Programs

The estimated cost for the next audit based on the current billing rate is \$32,000.00 plus travel expenses. This preliminary estimate is provided as a budgeting tool and not a guarantee of final cost.

Customer Service Survey

An invitation to complete a customer service survey will be emailed to Gary Coleman – accounting manager. Your feedback is important to our commitment to continually develop and improve our audit process.

Please don't hesitate to contact our Office throughout the year when you have questions. Our website also offers many resources, including a client HelpDesk for your auditing and accounting questions.

**City of Burien
2012 Audit
Exit Recommendations**

Issues

SEFA Completeness

Type: Single Audit
Category: Grants (Federal)

Issue

We noted in review of the draft 2012 SEFA that of the USDOT 20.205 grant, approximately \$66,000 of assistance on the 16th Ave. Intelligent Traffic System grant was based on 2011 invoices which were not accrued on the 2011 SEFA. These costs were paid in 2012, and thereby put on the 2012 SEFA. We recommend that the City more carefully monitor the cutoff of its federal expenditures to ensure all expenditures are reported in the proper year.

City should comply with statute with regards to quarterly financial reporting

Type: Accountability
Category: Accounting/Financial Reporting

Issue

Due to turnover in the finance director position in 2009, the City ceased preparing quarterly financial reports as required by RCW 35A.33.140. When the finance director position was filled, the new finance director was apparently unaware of the requirement, and the City Council did not request the quarterly reports from the finance department. Since this matter was brought to our attention, the City has begun preparing these reports as of April 2013.

We recommend the City continue to provide the Council quarterly financial information to enable the Council to monitor city activities and progress.



Burien

Washington, USA

Summary of Permits Issued – June 2013

Type Permit	Count	Valuation
Building	32	\$ 7,168,388
Damage	1	
Demolition	1	\$
Electrical	77	\$ 326,390
Fire Protection	9	\$ 80,647
Mechanical	36	\$ 75,077
Plumbing	15	\$ 8,900
Right of Way	43	
Sign	10	\$ 15,000
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Totals :	224	\$ 7,674,402



Burien

Washington, USA

Summary of Permits Applications Received – June 2013

Type Permit	Count	Valuation
Building	35	\$ 18,928,817
Damage	3	
Demolition	2	\$
Electrical	70	\$ 1,813,392
Fire Protection	4	\$ 18,700
Mechanical	35	\$ 150,827
Plumbing	18	\$ 189,400
Right of Way	48	
Sign	12	\$ 20,882
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Totals :	227	\$ 21,122,018

Other cities' approaches (note that "officer" generally includes councilmembers):

Participation in contract selection process. Some cities provide that former city officers and employees may not, for one year after leaving the city, participate as a competitor in a competitive selection process for a city contract in which they assisted the city in determining the work to be done or the process to be used in selecting a contractor. Some of the cities taking this approach are Seattle, Tacoma, Federal Way, Monroe, and Lynnwood.

Contracting with city. Some cities provide that former city officers and employees may not, for one year after leaving the city, have a financial interest in a contract over a certain amount (e.g. \$5,000) that had been under their supervision when they were with the city. Some of the cities taking this approach are Des Moines, Federal Way, Lakewood, Newcastle, and Lynnwood.

Representation of other persons in city matters. Some cities provide that former city officers and employees may not, for one year after leaving the city, assist or represent any person in a matter in which they were involved while city officers or employees. Some of the cities taking this approach are Des Moines, Federal Way, Lakewood, Tacoma, and Lynnwood.

Employment with city contractor. Some cities provide that former officers and employees may not, for one or two years after leaving the city, obtain employment by taking advantage of matters they took action on or negotiated during their tenure with the city. This approach is taken by Bainbridge Island. Somewhat similarly, former state officers and employees may not, at anytime, accept an offer employment that was, or would lead a reasonable person to believe was, made for the purpose of influencing the officer or employee in the performance or nonperformance of duties during the course of state employment.

All of the above: Some cities adopt RCW 42.52.080 "Employment after public service" (or provisions similar to it), which essentially provides that former state officers and employees may not engage in any of the above mentioned activities (see below). Some of the cities taking this approach are Bremerton, Edmonds, and Port Angeles. King County also takes this approach.

RCW 42.52.080

Employment after public service.

(1) No former state officer or state employee may, within a period of one year from the date of termination of state employment, accept employment or receive compensation from an employer if:

(a) The officer or employee, during the two years immediately preceding termination of state employment, was engaged in the negotiation or administration on behalf of the state or agency of one or more contracts with that employer and was in a position to make discretionary decisions affecting the outcome of such negotiation or the nature of such administration;

(b) Such a contract or contracts have a total value of more than ten thousand dollars; and

(c) The duties of the employment with the employer or the activities for which the compensation would be received include fulfilling or implementing, in whole or in part, the provisions of such a contract or contracts or include the supervision or control of actions taken to fulfill or implement, in whole or in part, the provisions of such a contract or

contracts. This subsection shall not be construed to prohibit a state officer or state employee from accepting employment with a state employee organization.

(2) No person who has served as a state officer or state employee may, within a period of two years following the termination of state employment, have a direct or indirect beneficial interest in a contract or grant that was expressly authorized or funded by specific legislative or executive action in which the former state officer or state employee participated.

(3) No former state officer or state employee may accept an offer of employment or receive compensation from an employer if the officer or employee knows or has reason to believe that the offer of employment or compensation was intended, in whole or in part, directly or indirectly, to influence the officer or employee or as compensation or reward for the performance or nonperformance of a duty by the officer or employee during the course of state employment.

(4) No former state officer or state employee may accept an offer of employment or receive compensation from an employer if the circumstances would lead a reasonable person to believe the offer has been made, or compensation given, for the purpose of influencing the performance or nonperformance of duties by the officer or employee during the course of state employment.

(5) No former state officer or state employee may at any time subsequent to his or her state employment assist another person, whether or not for compensation, in any transaction involving the state in which the former state officer or state employee at any time participated during state employment. This subsection shall not be construed to prohibit any employee or officer of a state employee organization from rendering assistance to state officers or state employees in the course of employee organization business.

(6) As used in this section, "employer" means a person as defined in [RCW 42.52.010](#) or any other entity or business that the person owns or in which the person has a controlling interest. For purposes of subsection (1) of this section, the term "employer" does not include a successor organization to the rural development council under chapter [43.31](#) RCW.

[1999 c 299 § 3; 1994 c 154 § 108.]

June 30, 2013

**To: Mike Martin, Burien City Manager
City Councilmembers**

From: Mike Doubleday

Re: 2013 Legislative Session, Final Leg Update

The legislature adjourned Saturday, June 29 after passing an operating budget and a capital budget; a transportation budget was not passed. This is a very short summary of the two-passed budgets.

Operating Budget

The compromise operating budget was not favorable to cities. The two major problems are the following:

- Liquor excise tax funding was resolved in favor of the Senate position. Recall that in 2012, the state permanently took \$10M in liquor excise tax distributions to cities, and then suspended the remaining liquor excise tax distributions to cities until October 2013, when normal distributions were to resume. In the final operating budget, the state reduced the normal distributions, to be resumed in October, by half. I think the calculations for Burien are as follows:
 - Annual amount Burien will receive beginning October, 2013 = \$77,606
 - Annual amount Burien would have received if October restoration had occurred (minus the \$10M) = \$155,213
 - Annual amount Burien would have received if \$10M had not been diverted and October restoration had occurred = \$241,991.
- The Public Works Assistance Account (PWAA), a capital budget expenditure, was almost completely swept into the state general fund for 6 years. One-third of the REET (one of three revenue streams that make up the PWAA) remains as a funding source for the PWAA. This means a very small percentage of PWAA projects, probably 5-

10% will move forward. There was some backfill in the capital budget, and AWC will assess what that means this week.

- Since the legislature can't bind future legislatures, the 6-year sweep is the legislature's *intention*. I'll be working with AWC in the coming weeks to assess our options regarding this successful program for local governments.

AWC will distribute their state operating budget effect on cities matrix probably Monday and I'll send along.

Capital Budget

The last legislation passed before adjournment on Saturday, the 2013-15 capital budget had the following funding for Burien projects:

- \$70M for the Puget Sound Acquisition and Restoration Program (PSAR)
- \$10M for the Puget Sound Estuary and Salmon Restoration Program (ESRP).

These funding levels include \$4.42M in PSAR and \$1.28M in ESRP for the Seahurst Park Seawall Removal project and will allow the project to move forward this year.

Telecomm (HB 1971)

The telecomm "reform" bill was passed as part of operating budget. The bill closes a landline tax exemption and will result in a small increase to city revenues. I'll send along the numbers when they are available.



Notice of Application

City of Burien 400 SW 152nd Street (Suite 300) Burien, Washington 98166

Date June 28, 2013

Applicant Schwin Chaosilapakul, Patrick Harron & Assoc. for John Feeney, Property Owner

Proposal Short Plat One (1) Residential Lot Into Three (3) Residential Lots.

File No. PLA 13-1255
File is available for viewing at Burien City Hall during regular business hours.

Location 806 SW 132nd Street, Burien, Washington

Tax Parcel No. 182304-9094

Current Zoning RS-7,200 Single-Family Residential Zone

Application Submitted/Complete
Submitted: June 20, 2013
Complete: June 24, 2013

Other Permits Needed Building Permit and Right-of-Way Permit

Other Studies Needed None

Existing Environmental Info. None

Review Process and Public Comment The decision on this application will be made by the Community Development Director. Prior to the decision, there is an opportunity for the public to submit written comments. **Written comments must be received prior to 5:00 p.m. on July 28, 2013.** Send written comments to the project planner (see below). Please indicate your name and address and refer to the file indicated above. Only people who submitted comments as indicated above may appeal the decision on this application.

Project Planner (for written comments and more information)
Liz Olmstead
Department of Community Development
City of Burien
400 SW 152nd Street, Suite 300
Burien, WA 98166
Phone: (206) 812-7575 E-Mail: elizabetho@burienwa.gov