



RECEIVED

JUN 30 2017

Change Record

Contract Number 8895	Contract Title Tacoma Amtrak Cascades Station	Federal Aid Number HSR-0017-11-01-06
Change Order Number 63	Change Description East 25th Street Modifications	Date Jun 26, 2017
Region Southwest Region	Project Engineer Frank Green FTG	Phone Number (360) 905-1547
Prime Contractor / Design-Builder Garco Construction, Inc.		

Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications or the RFP

Change proposed by Contractor / Design-Builder

Evolution & Description Of Change

This change order provides compensation for all costs to perform significant street improvements on East 25th Street in front of the new Tacoma Amtrak Cascades Station. Street improvements include roadway and sidewalk construction between East D Street and East 25th Street, conversion of the roadway segment from a two-way street into a one-way eastbound travel lane, utility relocations and adjustments, and streetscape improvements. Due to the net cost of this change order, it will be executed by the State Construction Office. Following is a brief explanation of why this change order is needed.

Prior to advertisement of the Contract, the City of Tacoma identified and evaluated the likely development impacts resulting from the Amtrak station relocation to East 25th Street. These included an increase in pedestrian activity and a change in traffic patterns, which the City determined must be mitigated by the Contracting Agency and its Contractor. Mitigation work was discussed during original design of the project but was not added at that time due to discussions with the City not being complete over what specific improvements were needed, and a lack of time to prepare additional plans and provisions needed prior to advertisement of the Contract once the improvements were determined. The City and the Contracting Agency have since agreed on the full extent of the street improvements at East 25th Street that are needed for this mitigation. The work under this change order has also been reviewed and approved by the Federal Rail Administration (FRA), the agency authorizing funding for this project.

The work on East 25th Street will not only provide better access to the Amtrak station for the increasing volume of travelers it is handling, but will also minimize parking and access conflicts, improve ADA and bus accessibility, and create a more aesthetically-pleasing streetscape in front of the station - a request of the local community.

The original Contract plans included some minor modifications along East 25th Street. Existing bid items that would have been used to pay for these modifications are reduced or deleted under this change order resulting in a reduction of \$70,961.50 to the Contract, and one new lump sum item in the amount of \$1,090,972.00 is setup to provide compensation for the full extent of the work. This change order increases the contract by a net total of \$1,020,010.50. Contract time is not affected by this change.

KAD
6/26/17



Contract Number 8895	Contract Title Tacoma Amtrak Cascades Station	Change Order Number 63
--------------------------------	---	----------------------------------

Basis of Cost & Justification:

Negotiations with the Contractor resulted in agreement to pay for all work on East 25th Street under one new lump sum item, and existing Contract bid items related to original East 25th Street work are either reduced or deleted as stated on the first page of this Change Record. This allows all East 25th Street work to be covered under this change order.

The attached "WSDOT ESTIMATE - East 25th Street Modifications - All Items of Work" spreadsheet lists the items of work covered under this change order, and includes estimated quantities and unit prices for each. These unit prices are based on estimated amounts for equipment, labor, materials, subcontractors, and other costs, along with mark-ups, as negotiated and agreed to by Frank Green, WSDOT Cascades HSR, KMB/PDB Project Lead and Project Engineer for Contract 8895.

Contract Time:

Contract time is not affected by this change order. The work is happening concurrently with final work on the station building and will not affect critical path activities.

Prior Approvals:

This change order was initially approved by Frank Green on January 25, 2017, and later by Craig McDaniel on March 2, 2017 and Chris Tams on March 3, 2017. David Williams, Engineer of Record from PB (WSDOT design consultant) approved the preliminary plans and provisions on January 25, 2017. David Smelser, Rail Capital Program Manager for WSDOT, gave approval to proceed with this change order on February 10, 2017. On behalf of the Federal Railroad Administration (FRA), Leonard Evans approved of the work on November 7, 2017. Steve Standley signed and approved the final plan set on behalf of the City of Tacoma on March 28, 2017. Notice to Proceed with the East 25th Street work was provided to the Contractor on April 25, 2017 via Serial Letter No. 181 signed by Frank Green.

List Attachments:

1. Travelers Power of Attorney form; 2. Change Order Checklist (DOT Form 422-003); 3. WSDOT ESTIMATE spreadsheet; 4. Notice to Proceed (WSDOT SL No. 181, dated 4/25/17, signed by Frank Green); 5. Change Approval E-mails (Top to Bottom: Region Approval e-mail, dated 3/3/17, Chris Tams; HQ Approval e-mail, dated 3/2/17, Craig McDaniel; EOR Approval e-mail, dated 1/25/17, David Williams; PE Approval e-mail, dated 1/25/17, Frank Green; Rail Capital Program Manager (WSDOT) Approval e-mail, dated 2/10/17, David Smelser; Federal Railroad Administration (FRA) Approval Letter, signed and dated 11/7/16, Leonard Evans)

Distribution: Copy of Change Record & Change Order w/Backup - Project Engineer
 Copy of ONLY Change Order - Prime Contractor / Design-Builder
 Copy of Change Record & Change Order w/Backup - Region Construction Office
 Electronic Copy & Original of Change Record & Change Order w/Backup - State Construction Office

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**


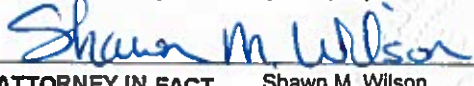
DATE: 06/15/17
Page 1 of 99

CONTRACT NO: 008895 FEDERAL AID NO: HSR-0017-11-01-06
CONTRACT TITLE: TACOMA AMTRAK CASCADES STATION / FREIGHT HOUSE S
CHANGE ORDER NO: 63 EAST 25TH STREET MODIFICATIONS

PRIME CONTRACTOR: SW0165408 GARCO CONSTRUCTION, INC.
P O BOX 2946
SPOKANE WA 99220-2946

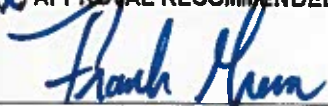
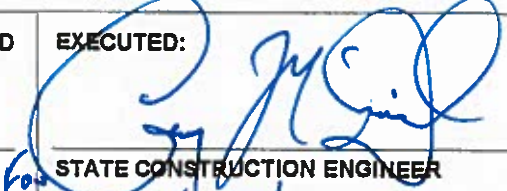


- Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications
 Change proposed by Contractor

BOND NO.: 106503042

<p>ENDORSED BY: Garco Construction, Inc.</p>  <p>CONTRACTOR</p> <p>June 16, 2017 DATE</p>	<p>SURETY CONSENT: Travelers Casualty and Surety Company of America</p>  <p>ATTORNEY IN FACT Shawn M. Wilson</p> <p>June 16, 2017 DATE</p>
--	---

ORIGINAL CONTRACT AMOUNT: 10,317,000.00
CURRENT CONTRACT AMOUNT: 14,225,585.33
ESTIMATED NET CHANGE THIS ORDER: 1,020,010.50
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 15,245,595.83

Approval Required: Region Olympia Service Center Local Agency

<p><input checked="" type="checkbox"/> APPROVAL RECOMMENDED</p>  <p>PROJECT ENGINEER</p> <p>6/26/17 DATE</p>	<p><input type="checkbox"/> EXECUTED</p> <p>EXECUTED:</p>  <p>STATE CONSTRUCTION ENGINEER</p> <p>6/30/17 DATE</p>
<p><input checked="" type="checkbox"/> APPROVAL RECOMMENDED</p> <p>REGIONAL ADMIN: </p> <p>BY: </p> <p>28 Jun 17 DATE</p>	<p><input type="checkbox"/> EXECUTED</p> <p>OTHER APPROVAL WHEN REQUIRED</p> <p>SIGNATURE _____ DATE _____</p> <p>REPRESENTING _____</p>

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 06/15/17
Page 2 of 99

CONTRACT NO: 008895

CHANGE ORDER NO: 63

All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

DESCRIPTION OF WORK

This change order provides compensation for all costs to perform the following street improvements on East 25th Street:

Roadway and sidewalk construction between East D Street and approximate station 27+63 on East 25th Street including asphalt and concrete paving, sidewalk pavement treatment, ADA curb ramp improvements along East 25th Street and at the intersection of East D Street and East 25th Street, passenger loading and unloading zones, and dedicated ADA parking; conversion of the roadway segment into a one-way eastbound travel lane with updated signing, traffic signal modifications, and pavement markings between East D and East G streets; utility relocations and adjustments; and streetscape improvements including landscaping and pedestrian amenities as defined and shown on pages 5 through 99 of this change order.

CONSTRUCTION REQUIREMENTS

The following Contract plan sheets are replaced, as shown on pages 30, 31, 32, 33, 34, 36, 37, 39, 40, 41, 42, 47, 51, 52, 56, 57, 58, 59, 60, 61, 62, 64, 65, 66, 67, 68, 69, and 70 of this change order: IN1, IN4, IN5, SP4, SP5, EC4, EC5, EC6, RS1, FV4, FV5, DR4, PML, PM2, TCL, TC2, TC3, TC4, TC5, A050, A053, A100, A200, A1203, A1209, IN1, IN4, and IN5.

The following Contract plan sheets are added, as shown on pages 35, 38, 43, 44, 45, 46, 48, 49, 50, 53, 54, 55, 63, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, and 99 of this change order: SP5A, EC5A, FV5A, FV7A, FV7B, FV7C, DR4A, DR4B, DD2A, PM2A, PM2B, PM2C, A053A, S573A, S573B, S573C, S573D, ED112A, ED112B, ED112C, E109A, E109B, E109C, TN1, TS1, TS2, TS3, LSN1, LS1, LS2, LS3, LSD1, LPN1, LP1, LP2, LP3, LPD1, IRN1, IR1, IR2, IR3, and IRD1.

Plan sheet DR3 is deleted from the Contract.

Special Provisions, as shown on pages 5 through 29, supplementing and revising the Contract Provisions, are added to the Contract.

MEASUREMENT

No specific unit of measure shall apply to the new lump sum item "East 25th Street Modifications".

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 06/15/17
Page 3 of 99

CONTRACT NO: 008895

CHANGE ORDER NO: 63

PAYMENT

The following bid item quantities shall be reduced under this change order:

Bid Item No. 4 "Removing Cement Conc. Pavement",
Bid Item No. 5 "Removing Cement Conc. Sidewalk",
Bid Item No. 8 "Removing Asphalt Conc. Pavement",
Bid Item No. 14 "Drain Pipe 6 In. Diam.",
Bid Item No. 24 "Crushed Surfacing Base Course",
Bid Item No. 31 "ESC Lead", and
Bid Item No. 33 "Wattle".

The following bid items shall be deleted from the Contract under this change order:

Bid Item No. 7 "Removing Cement Conc. Curb",
Bid Item No. 25 "Cement Conc. Pavement",
Bid Item No. 30 "Commercial HMA",
Bid Item No. 36 "Integral Cement Conc. Traffic Curb",
Bid Item No. 37 "Type D Mountable Integral Cement Conc. Traffic Curb",
Bid Item No. 46 "Manhole 48 In. Diam. Type 1", and
Bid Item No. 52 "Cement Conc. Sidewalk".

The following bid item shall be added to the Contract under this change order:

"East 25th Street Modifications", lump sum.

This lump sum item shall be full compensation for completing all work included in this change order.

CONTRACT TIME

Contract time is not affected by this change.

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 06/15/17
Page 4 of 99

CONTRACT NO: 008895

CHANGE ORDER NO: 63

ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
0004	01	0090	REMOVING CEMENT CONC. PAVEMENT	S.Y.	20.00	-38.00	-760.00
0005	01	0100	REMOVING CEMENT CONC. SIDEWALK	S.Y.	16.00	-72.50	-1,160.00
0007	01	0110	REMOVING CEMENT CONC. CURB	L.F.	14.00	-210.00	-2,940.00
0008	01	0120	REMOVING ASPHALT CONC. PAVEMENT	S.Y.	25.00	-212.00	-5,300.00
0014	01	1170	DRAIN PIPE 6 IN. DIAM.	L.F.	71.50	-45.00	-3,217.50
0024	01	5100	CRUSHED SURFACING BASE COURSE	TON	50.00	-31.00	-1,550.00
0025	01	5625	CEMENT CONC. PAVEMENT	C.Y.	305.00	-75.00	-22,875.00
0030	01	5875	COMMERCIAL HMA	TON	185.00	-30.00	-5,550.00
0031	01	6403	ESC LEAD	DAY	20.00	-30.00	-600.00
0033	01	6479	WATTLE	L.F.	4.00	-231.00	-924.00
0036	01		INTEGRAL CEMENT CONC. TRAFFIC CURB	L.F.	30.00	-185.00	-5,550.00
0037	01		TYPE D MOUNTABLE INTEGRAL CEMENT CONC. TR	L.F.	35.00	-125.00	-4,375.00
0046	01	7360	MANHOLE 48 IN. DIAM. TYPE 1	EACH	5,000.00	-1.00	-5,000.00
0052	01	7055	CEMENT CONC. SIDEWALK	S.Y.	36.00	-310.00	-11,160.00
1031	01		EAST 25TH STREET MODIFICATIONS	L.S.	0.00	0.00	1,090,972.00

1,020,010.50

Department of Transportation
Olympia, Washington 98504

May 15, 2017

**TACOMA
AMTRAK CASCADES STATION
Federal Project**

East 25th Street Modifications Change Order (Change Order No. 63)

Special Provisions

1. On Page 66, insert the following after Line 19:
 4. Prior to performing work adjacent to the Tacoma Link trackway, coordinate with Tacoma Link to ensure work will be performed following Tacoma Link guidelines and approved work windows.

2. On Page 66, insert the following after Line 35:

Tacoma Link
Robert Blackburn
robert.blackburn@soundtransit.org
(206) 370-5674 Work, (206) 730-0062 Mobile

3. In Addendum No. 2, Item 12, Page 3, the following items under Removal of Structure and Obstructions are deleted:

<u>Item</u>	<u>Location</u>	<u>Approximate Quantity</u>
Remove Tree	E 25 TH LINE STA 26+80 RT E 25 TH LINE STA 27+17 RT E 25 TH LINE STA 27+41 RT E 25 TH LINE STA 27+66 RT	4 EA
Remove Tree Grate	E 25 TH LINE STA 26+80 RT E 25 TH LINE STA 27+17 RT E 25 TH LINE STA 27+41 RT E 25 TH LINE STA 27+66 RT	4 EA
Remove Bench	E 25 TH LINE STA 26+98 RT E 25 TH LINE STA 30+12 RT E 25 TH LINE STA 30+20 RT E 25 TH LINE STA 30+29 RT	4 EA

Remove Bollard	E 25 TH LINE STA 29+50 to 29+94 RT	6 EA
Remove and Salvage Sign and Post	E 25 TH LINE STA 27+64 RT E 25 TH LINE STA 27+84 RT E 25 TH LINE STA 28+02 RT E 25 TH LINE STA 30+05 RT	4 EA

4. In Addendum No. 2, Item 12, Page 3, insert the following items under Removal of Structure and Obstructions:

<u>Item</u>	<u>Location</u>	<u>Approximate Quantity</u>
Remove and Salvage Grate	E 25 TH LINE STA 22+72 RT E 25 TH LINE STA 22+96 RT E 25 TH LINE STA 23+21 RT E 25 TH LINE STA 23+57 RT E 25 TH LINE STA 23+80 RT E 25 TH LINE STA 24+06 RT	6 EA
Remove Bench	E 25 TH LINE STA 24+60 RT to STA 24+89 RT E 25 TH LINE STA 25+40 RT to STA 25+78 RT E 25 TH LINE STA 26+49 RT to STA 26+75 RT E 25 TH LINE STA 27+10 RT	13 EA
Remove Trash Bin	E 25 TH LINE STA 22+08 RT E 25 TH LINE STA 25+65 RT E 25 TH LINE STA 27+10 RT	3 EA
Remove Bollard	E 25 TH LINE STA 25+90 RT E 25 TH LINE STA 25+95 RT E 25 TH LINE STA 26+10 RT E 25 TH LINE STA 26+15 RT E 25 TH LINE STA 26+29 RT E 25 TH LINE STA 26+34 RT	6 EA
Remove Illuminated Bollard	E 25 TH LINE STA 24+74 RT E 25 TH LINE STA 24+84 RT	14 EA

	E 25 TH LINE STA 24+98 RT	
	E 25 TH LINE STA 25+05 RT	
	E 25 TH LINE STA 25+13 RT	
	E 25 TH LINE STA 25+20 RT	
	E 25 TH LINE STA 25+26 RT	
	E 25 TH LINE STA 25+33 RT	
	E 25 TH LINE STA 25+42 RT	
	E 25 TH LINE STA 25+54 RT	
	E 25 TH LINE STA 25+67 RT	
	E 25 TH LINE STA 26+60 RT	
	E 25 TH LINE STA 26+70 RT	
	E 25 TH LINE STA 26+85 RT	
Remove Pole and Light	E 25 TH LINE STA 24+60 RT	3 EA
	E 25 TH LINE STA 25+78 RT	
	E 25 TH LINE STA 26+46 RT	
Remove Planter Walls and Foundation 1.0' Below Final Grade	E 25 TH LINE STA 24+60 RT	181 LF
	to STA 24+89 RT	
	E 25 TH LINE STA 25+40 RT	
	to STA 25+78 RT	
	E 25 TH LINE STA 26+49 RT	
	to STA 26+75 RT	
	E 25 TH LINE STA 26+51 RT	
	to STA 26+83 RT	
	E 25 TH LINE STA 27+22 RT	
	to STA 27+45 RT	
	E 25 TH LINE STA 27+45 RT	
	to STA 27+58 RT	
Remove Trellis and Foundation	E 25 TH LINE STA 23+35 RT	25 LF
	to STA 23+43 RT	
	E 25 TH LINE STA 24+44 RT	
	to STA 24+53 RT	
Remove Railing	E 25 TH LINE STA 25+04 RT	52 LF
	to STA 25+35 RT	
Remove Boulder	E 25 TH LINE STA 26+75 RT	9 EA
	to STA 27+15 RT	
Remove Irrigation Boxes	E 25 TH LINE STA 26+75 RT	5 EA

Items designated as Remove and Salvage shall be removed in such a manner as to prevent damage, cleaned for reuse, and stored in a secure area until delivery to Owner. Contractor to protect items from damage during transport and storage.

The Contractor shall verify the owner of each salvaged item. In the event that the Owner does not want the item returned, the item shall become the property of the Contractor, and the Contractor is responsible for the cost of disposal of the item.

5. On Page 91, insert the following after Line 26:

(.....)

Remove and Reinstall Miscellaneous Items

This work shall consist of providing all labor and equipment necessary to remove, clean, store, and complete the reinstallation of miscellaneous items as shown on the Plans and shall include, but are not be limited to, the following:

Remove and Reinstall Mailbox	E 25 TH LINE STA 24+96 RT	1 EA
Remove and Reinstall Art Work And Foundation	E 25 TH LINE STA 27+03 RT	1 EA
Remove and Reinstall Shelter And Foundation	E 25 TH LINE STA 25+92 RT E 25 TH LINE STA 26+13 RT E 25 TH LINE STA 26+33 RT	3 EA

Removed items designated for reinstallation shall be stored in a secure area and protected from damage. Contractor shall clean and repair removed items to functional condition for intended reuse, and reinstall where indicated on the Plans. Reinstallation shall comply with all requirements for new materials and equipment. Provide connections, supports, foundations, and any other materials necessary for reinstallation.

6. On Page 91, insert the following after Line 43:

The approximate thickness of the sidewalk on E 25th is 4 inches and the approximate thickness of the asphalt on E 25th is 6 inches per City of Tacoma standards.

7. On Page 93, insert the following after Line 47:

Division 5 is supplemented with the following:

5-06 Stamped Tinted Concrete Crosswalk

5-06.1 Description

This work shall consist of constructing a stamped and tinted pavement composed of portland cement concrete on a prepared subgrade or base in accordance with these Specifications and in conformity with the lines, grades, thickness, and typical cross-sections shown in the Plans. It shall include dowel bars, tie bars, joint filler and sealants, coloring, and all other activities associated with the construction as described in Section 5-06.3.

5-06.2 Materials

Portland Cement	9-01
Fine Aggregate	9-03
Coarse Aggregate	9-03

Combined Aggregate	9-03
Joint Filler	9-04.1
Joint Sealants	9-04.2
Dowel Bars	9-07.5
Tie Bars	9-07.6
Curing Materials and Admixtures	9-23
Water	9-25
Epoxy Resins	9-26
Color Hardener	
Non-pigmented Release Agent	

5-06.3 Construction Requirements

The stamped tinted concrete crosswalk shall be constructed as required in Section 5-05.3 Construction Requirements. Section 5-05.3(11) Finishing shall be replaced with the following:

Any edge slump of the pavement, exclusive of specified edging, in excess of 1/4 inch shall be corrected before the concrete has hardened. If edge slump on any 1-foot or greater length of hardened concrete exceeds 1-inch, the concrete shall be repaired as provided in Section 5-05.3(22).

The Color Hardener shall be applied evenly to the plastic surface by the dry-shake method using a minimum of 60 pounds per 100 square feet. It shall be applied in two or more shakes, floated after each, and troweled only after the final floating.

A Non-pigmented Release Agent shall be applied evenly to the surface. A highlighting/antiquing color shall be rolled or brushed on the top surface to the stamped concrete. Two coats of surface sealer shall be applied.

One 2 foot by 2 foot sample crosswalk shall be produced and submitted to the Engineer for approval of the color, texture and pattern. The sample crosswalk shall be produced to allow materials, tools and construction techniques to be evaluated and adjusted if needed. Sample crosswalk shall be of representative of the pattern layout and installation techniques for approval.

Where shown on the plans, the crosswalk shall be stamped with an approved pattern to match the existing adjacent crosswalk. Where no stamping is required, the crosswalk pavement shall be given a final finish surface by texturing with a broom perpendicular to the direction of the crosswalk.

8. On Page 94, insert the following after Line 3:

Storm Sewers

This section is deleted. The requirements of Section 7-17 shall apply to storm sewers.

9. On Page 95, replace lines 24-25 with the following:

A flexible pipe-to-manhole connector shall be used in all connections of rigid and thermoplastic pipes to new precast concrete manholes to provide a watertight joint between the pipe and the manhole, unless otherwise directed by the Engineer. The connector shall be "Kor-N-Seal" with "Wedge Korband"(Type I or II as required for pipe diameter), manufactured by NPC, Inc., Milford, New Hampshire, or Engineer approved equal. The connectors shall be installed in accordance with the manufacturer's recommendations.

10. On Page 96, insert the following after Line 3:

7-05.3(5) Adjust Cleanout

The Contractor shall furnish all labor, material, and equipment necessary to adjust the cleanout rings and covers, as shown on the plans. The work shall include the raising or lowering of cleanout rings and covers to meet finished grade.

Section 7-08.3(2)F is supplemented with the following:

Rigid Couplings, manufactured by Romac Industries, Inc., or Engineer approved equal, shall be used at any pipe joint or connection in which bell and spigot or fused joints are not used. Flexible couplings are not permitted, except for side sewer installation.

Section 7-08.3(2)G is revised to read as follows:

Dissimilar pipe shall be joined by use of rigid couplings manufactured by Romac Industries, Inc., or Engineer approved equal, except for side sewer installation.

11. On Page 96, Line 20, replace the sentence with the following:

Section 7-05.5 is supplemented with the following:

12. On Page 99, insert the following after Line 32:

Roadside Restoration

Description

Section 8-02.1 is supplemented with the following:

PSIPE shall include all Work necessary for weed control within the planting area, planting area preparation, fine grading, planting, cultivating, plant storage and protection, fertilizer and root dip, staking, cleanup, and water necessary to complete planting operations and meet the conditions specified in Section 8-02.3(13).

Materials

Topsoil Type A

Section 9-14.1(1) is supplemented with the following:

(.....)

Topsoil Type A shall meet the following:

Sand	greater than 0.05 mm to less than 2mm – 60-70% by volume
Compost	30-40% by volume
Silt	greater than 0.002 mm to less than 0.05 mm - maximum of 35% ¹
Clay	less than 0.002 mm - maximum of 15% ¹
Organic Content	Percent of dry weight – 10% Minimum
Acidity (pH)	5.5 to 7.5

¹ Clay and Silt combined - no greater than 40%

The Contractor shall send a minimum of one representative sample of Topsoil Type A to an approved testing laboratory for fertility testing analysis 30 days prior to use on the project site. All testing shall be done in accordance with the current version of the Methods of Soil Analysis published by the Soil Science Society of America. The soil fertility test analysis and report shall include the following:

Extractable analysis: nitrate nitrogen, ammonium nitrogen, phosphorus, potassium, calcium, magnesium, copper, zinc, manganese and iron.

Saturation extract values: calcium, magnesium, potassium, sodium, boron, sulfate, pH, lime content, salinity and sodium adsorption ratio (SAR).

The Contractor shall be responsible for adding fertilizers and additives as recommended by the testing laboratory reports. All cost associated with fertility testing and adding fertilizers and additives to the top soil shall be the responsibility of the Contractor.

Construction Requirements

Responsibility During Construction

Section 8-02.3(1) is supplemented with the following:

(.....)

Landscape construction shall begin after all adjacent curbs, sidewalks, walls, and associated roadside work is completed.

Topsoil

The second and third sentences of the first paragraph of Section 8-02.3(4) are revised to read as follows:

(.....)

The soil depth at planting areas shall be as detailed in the Plans.

Plant Establishment Plan

Section 8-02.3(2)C is deleted in its entirety.

Planting Area Preparation

The third paragraph of Section 8-02.3(5) is revised to read as follows:

(.....)

The areas shall be brought to a uniform finished grade with the root zone flush with the top of curbs and sidewalks and top of the soil shall be rounded at a rate of 1" per foot of width of planter.

Section 8-02.3(5) is supplemented with the following:

(.....)

The planting area shall be prepared as detailed in the Plans.

Planting

Section 8-02.3(8) is supplemented with the following:

(.....)

When planting pit is three-quarters backfilled, fill with water and allow water to soak away before filling pit to finish grade.

Water trees immediately after planting.

Completion of Initial Planting

Section 8-02.3(12) is revised to read as follows:

(.....)

Upon completion of initial planting within a designated area, the Contractor shall notify the Engineer and request an inspection. The Engineer will make an inspection of all plant material and notify the Contractor in writing, of any required replacement or corrective action. The Contractor shall replace all materials rejected or missing and correct unsatisfactory conditions within 15 working days and request another inspection. Completion of initial planting within a designated area includes the following:

1. One hundred percent of all required planting materials (trees, whips, shrubs, ground covers, seedlings, lawn sod, and seeded areas) shall be in a healthy and vigorous growing condition and shall be installed as shown in the Plans.
2. Planting area cleanup.
3. Full operation of the irrigation system, complete bark coverage, and all planting areas in a weed free condition.

Plant Establishment

The second through fourth paragraphs of Section 8-02.3(13) are deleted.

The fifth paragraph of Section 8-02.3(13) is revised to read as follows:

(.....)

At the end of one year warranty period, plants that do not show normal growth shall be replaced. All automatic irrigation systems shall be inspected at final completion. The contractor shall conduct an irrigation coverage test with Landscape Architect, provide as-built drawings, a small colored zone map for inclusion into the controller enclosure, set the controller, and submit an irrigation controller plan for a one year period, including dates and instructions for winterization and startup.

Irrigation Systems

Construction Requirements

System Operation

The last sentence of the first paragraph of Section 8-03.3(11) is revised to read as follows:

(.....)

The final inspection of the irrigation system will coincide with the end of the Contract. The second and fourth paragraphs of Section 8-03.3(11) are deleted.

The third paragraph of Section 8-03.3(11) is revised to read as follows:

(.....)

For the life of the Contract, the Contractor shall be responsible for having any inspections and tests performed on all cross connection control devices as required and specified by the Washington State Department of Health. Inspections and tests shall be conducted at the time of initial activation. Potable water shall not flow through the cross connection control device to any downstream component until tested and approved for use by the local health authority in accordance with Section 8-03.3(12).

13. On Page 99, insert the following after Line 48:

(.....)

Cement Conc. Wheel Stop

The wheel stops shall be precast reinforced cement concrete curb manufactured explicitly for use as wheel stops and shall be installed in accordance with the manufacturer's recommendations. The wheel stops shall be constructed in accordance with the Plans.

14. On Page 99, Line 50 through Page 100, Line 4 is deleted.

15. On Page 100, Line 12 is deleted.

16. On Page 100, insert the following after Line 26:

7. Traffic Signal Modifications
8. Rectangular Rapid Flashing Beacon

Traffic Signal Modifications

Traffic Signal Modifications include all work associated with installation of pedestrian pushbuttons at East D Street / East 25th Street, including excavation, backfill and concrete foundations, furnishing and installing pushbutton posts, accessible pedestrian signal (APS) pedestrian pushbutton, conduits and fittings, junction boxes and wiring, removal of existing signal equipment, and all necessary work to provide fully functioning pedestrian detection systems; adjusting junction boxes at East D Street / East 25th Street intersection to grade; and all electrical work associated with disconnecting power to existing blank-out signs mounted to signal mast arm at East G Street / East 25th Street as shown in the Plans. This work shall include procuring and furnishing a video image vehicle detection system with mounting hardware to the City of Tacoma for installation by others at East G Street / East 25th Street, and supplying onsite support for installation and testing of the system from the manufacturer.

Rectangular Rapid Flashing Beacon

Rectangular Rapid Flashing Beacon (RRFB) includes all work to provide a fully functioning RRFB system, including but not limited to excavation, backfilling, concrete pole foundations, signal pole, junction boxes, conduits, wiring, beacon unit, solar panel, pedestrian push buttons, permanent traffic signs to be installed with the system, all associated mounting hardware, restoring facilities destroyed or damaged during construction, and for making all required tests..

17. On Page 100, insert the following after Line 35:

This section is supplemented with the following:

APS Pedestrian Pushbutton

The complete pushbutton assembly shall include the following components:

- a. The frame assembly shall consist of an integral pushbutton mount and the sign platform. It shall be cast aluminum and powder coat finished with the manufacturer's specified black color. The frame assembly shall consist of a backplate to accept a 5-inch by 7-inch sign secured with metal screws, and a round housing with pre-drilled holes to mount the pushbutton assembly.
- b. The pushbutton housing shall be die-cast aluminum, round body of approximately 3 inches diameter, and powder coat finished with the manufacturer's specified black color.
- c. The pushbutton shall be stainless steel, with a raised tactile directional arrow on the pushbutton. The manufacturer shall provide arrow options of: Left, Right, Up, and bi-directional Left and Right.
- d. The pushbutton assembly shall include a Latching Mode with an LED indicator light that will stay "ON" and a percussive beeper for audible feedback. The LED and beeper shall be actuated each time the pushbutton is pressed and shall terminate at the beginning of the pedestrian walk phase.
- e. The central control unit shall be available in both rack mounted and shelf mounted systems. The central control unit shall be rack mounted for TS2 traffic control units and shelf mounted for all other traffic control unit types.
- f. The sign shall be an MUTCD R10-3 and size shall be 5 inch by 7 inch.

The complete pushbutton assembly shall have the following characteristics:

- a. Vandal resistant construction.

- b. NEMA 250-6P or IP-68 enclosure protection rating.
- c. NEMA TS-2 compliance for temperature and humidity, transient voltage protection, and mechanical shock and vibration rating.
- d. IEC 61000-4-4 and IEC 61000-4-5 compliance for transient suppression.
- e. A minimum call pulse length shall be 240 milliseconds.
- f. Constant call fail safe.
- g. 3-year minimum warranty.

The APS pushbutton shall have following features:

- a. Confirmation of button push via a latching sunlight visible red LED indication, audible tone, and vibrating indication.
- b. The audible sound shall be emitted from a weather proof and vandal resistant speaker within the pushbutton assembly. All sounds should automatically adjust for ambient noise.
- c. The pushbutton assembly shall come programmed to emit a rapid tick. It shall also have the capability to record custom voice messages and custom sounds during the walk or clearance interval or if the button is held for three seconds or more.
- d. Standard and customized locating tone and message features.
- e. In addition to the standard locate sounds, ability for custom locate sounds and location messages.
- f. Capability for extended pushbutton press customized functions.
- g. All sounds are synchronized.
- h. Volume Over Ambient Noise: adjustable up to a minimum of 10dB.
- i. Locate Tone Volume: -24dB to +6dB Ambient.
- j. Maximum Volume: 10dB at 1m.

Video Image Vehicle Detection System

The video image vehicle detection system (VIVDS) for East 25th Street and East G Street shall meet the following requirements:

System Hardware

The required hardware shall include the following:

- One VIVDS processor capable of connecting with 1 to 8 sensors.
- One or more VIVDS sensors, with at least one sensor having a fisheye lens for omnidirectional viewing of the roadway or intersection.
- One 1.5" straight-thread, swivel bracket, and surge protector junction unit, per each fisheye sensor.
- One surge protector junction unit, per each advanced/stopline sensor.
- One mounting pole and bracket (90° pole per each fisheye sensor; or straight, vertical pole per each advanced/stopline sensor).
- One Ethernet Protection Module (surge protector located in the traffic cabinet), per each VIVDS sensor.
- VIVDS interface cables to the traffic signal controller based on model/type.

Sensor Hardware

The VIVDS should have at least one downward-facing fisheye sensor capable of seeing the center of the intersection and have an omnidirectional line of site to track vehicles entering and exiting the intersection. Other required features shall include the following:

- Color images outputted into digital format as MJPEG images.
- Horizontal resolution of at least 2560 lines and vertical resolution of at least 1920 lines.
- A five (5) megapixel CMOS camera with an active-pixel sensor (APS).
- Camera lens shall not require adjustment and is always in focus.
- A thermostatically controlled heater residing inside the enclosure to reduce the effects of ice and condensation.
- Any plastics used in the enclosure shall have ultraviolet inhibitors.
- A waterproof and dust tight aluminum enclosure.

The sensor dimensions excluding connectors shall not exceed 9.9" x 7.9" (height x diameter). The weight of the sensor including the enclosure shall not exceed eight (8) lbs. The VIVDS sensor manufacturer shall provide a lifetime "always in focus" guarantee on the iconic bell shaped fisheye camera.

Optional VIVDS Sensors

Certain projects will have special requirements or needs, such as advanced or stopline detection. In these instances, an additional VIVDS sensor with a field of view of either 30° - 50° for stopline detection or a field of view of 9° - 18° for advanced detection should be used. The sensor dimensions excluding connectors and mounting bracket shall not exceed 8" x 15" x 3.5" and the weight should not exceed eight (8) lbs. Other required features are the following:

- Color images outputted into digital format as MJPEG images.
- Horizontal resolution of at least 2560 lines and vertical resolution of at least 1920 lines.
- A 5 – 50 mm varifocal lens set for the specific application.
- A five (5) megapixel CMOS camera with an active-pixel sensor (APS).
- A thermostatically controlled heater residing inside the enclosure to reduce the effects of ice and condensation.
- A sun shield to minimize lens exposure to the sun.
- A waterproof and dust tight powdered coated aluminum housing.

The sensor's mounting bracket should be easily mounted to a standard 1.5" vertical pole and allow for the installer to adjust the sensor's horizontal position with one hand and tighten the bracket without having to support the sensor simultaneously.

Processor Hardware

The VIVDS processor shall support 1 or 2 fisheye sensors, or if equipped with 1 fisheye sensor the VIVDS processor should, at a minimum, be capable of simultaneously supporting up to four (4) additional VIVDS sensors for special requirements such as advance detection or underpass detection.

The VIVDS processor shall comply with NEMA standards, TS-1 Type 1, and 2; TS-2; 170/2070; and ITS. The VIVDS processor shall provide the following inputs and outputs:

Type	Inputs	Outputs
TS-1	24	24
TS-2	16	64
170/2070	8	24
ITS	16	64

The VIVDS processor will have at a minimum four (4) USB 3.0 ports for expansion flexibility and have a built-in modem.

The VIVDS processor shall be no more than 1U high with dimensions, excluding connectors, not to exceed 8.5" x 11.5" x 1.75" and weigh no more than 5.2 lbs. The unit shall have flexible mounting options including the ability to lie flat on a cabinet shelf, be mounted in a standard traffic cabinet rack with optional mounting ears, or be installed vertically with optional base. The outer enclosure shall be a powdered coated aluminum.

Electrical

The VIVDS sensor(s) will use five (5) watts nominally and a maximum of fifty (50) watts with active heaters. The sensor(s) will be Power Over Ethernet (POE) and will only require a single burial grade, gel-filled RJ-45 CAT5e cable for both power and data.

Each VIVDS sensor shall have its own surge protector junction unit and EPM surge protection unit in the traffic cabinet. The VIVDS processor shall operate within a range of 89 to 240 VAC, 60Hz single phase. Power to the VIVDS processor is from the transient protected side of the AC power distribution system in the traffic control cabinet where the VIVDS processor is installed.

Cabling and Surge Protection Units

RJ-45 CAT5e cabling shall be a high performance direct burial data cable capable of 350MHz bandwidth for data applications. The cabling shall consist of a 24 AWG solid bare copper wire with 8 conductors in a gel filled core. The jacket shall consist of linear low-density polyethylene (LLDPE) that is UV resistant and have a cable diameter of no more than 6.5 mm. The cable shall have easily identifiable striped pairs as follows:

- Orange-White, Orange
- Green-White, Blue
- Blue-White, Green
- Brown-White, Brown

The cable shall be rated at a minimum for 50 V.

The surge protector junction unit for the VIVDS sensor shall be no more than three (3) ft. from the VIVDS sensor and shall provide protection against a transient pulse with a pulse shape of 8/20 μ s and a max current of 75A. The unit shall weigh no more than two (2) lbs.

The EPM, surge protection unit for the VIVDS sensor, shall have at most a max impulse discharge current of 40 KA and an impedance of at least 100 ohms. The unit should have at least Line-Line and Line-Ground protection options, and the POE current should not exceed 1.8A.

Environmental

The VIVDS sensors and processor will need to meet or exceed the NEMA standard of -29° F up to 149° F and meet or exceed a 5-30Hz vibration test as well as a 10G shock test.

The VIVDS processor shall have at least 0% to 95%, non-condensing. The VIVDS sensor(s) shall have at least 0% to 100% relative humidity.

System Software

Each VIVDS system will include client software for up to 8 sensors for detecting and counting the vehicle's entrance and exit of the intersection. The VIVDS system will also include software for communicating with the traffic controllers and other electronic devices.

The client software shall be included with each VIVDS system and should be downloaded and run on any personal computer with a Windows 7 or newer operating system. The client software at minimum should include management tools to perform the following:

- View, diagnose, configure, and reset individual sensor outputs
- View the status of inputs to enable setup and troubleshooting in the field
- Configure and view calls and phases
- The ability to create and define, as well as edit, vehicle zones, road masks, object masks, and pedestrian zones by drawing arbitrary shaped polygons using a computer
- View the site's configuration history
- Publish and revert back to previous configuration
- View video and images from the sensor within the software's interface
- Optionally access and use an API that is documented online and that uses HTTP
- Provide System Alerts for diagnostic and administrative events

The alerts/notifications package for purchase should include at a minimum the following types of alerts:

- Wrong way vehicle detection
- Loss of visibility event

Vehicle Detection

VIVDS system shall provide real time vehicle detection (within 500 milliseconds (ms) of vehicle arrival). The system should detect the presence of vehicles for up to 64 detection zones per VIVDS sensor. The detection zones shall be sensitive to the direction a vehicle travels and the direction to be detected by each detection zone shall be programmable by a client software user.

Detection Zone Placement

The VIVDS system should provide a flexible detection zone placement anywhere within one hundred (100) meters of the VIVDS sensors. Preferred presence detector configurations shall be arbitrarily shaped polygons, including simple boxes, drawn across lanes of traffic or placed in line with lanes of traffic. A single VIVDS sensor should replace one or more conventional detector loops.

Detection Zone Programming

Placement of detection zones will be done by means of a graphical interface using MJPEG image of the roadway. The client software displays images of the detection zones overlaid on the video image of traffic while the VIVDS processor is running. The detection zones, when operating, shall display outlined or filled, with a visible change indicating activation.

A laptop should be used to draw detection zones. Alternatively, a mouse, keyboard, and monitor may be connected directly to the processor to configure a site. The detection zones should be capable of being sized and shaped to provide optimal road coverage and detection. It should be possible to upload detector configurations to the VIVDS processor and to retrieve the sensor configuration that is currently running in the VIVDS processor through the client software. The configuration should also be retrievable from the VIVDS system's cloud if properly backed up. The user will be able to edit previously defined detector configurations in order to fine tune the detection zone placement size and shape. Once a detection configuration has been created, the system will provide a graphic display of the new configuration on its monitor. While this fine-tuning is being done, the sensor will be required to continue to operate from the sensor configuration, currently in place. A user should be able to use a system command to revert to previous configurations stored in the client software or on the VIVDS system's cloud if properly backed up. When a vehicle occupies a detection zone, the detection zone on the live video will indicate the presence of a vehicle, thereby verifying proper operation of the system. The presence of the vehicle as well as the signal states will be indicated via colored LED lights on the front panel of VIVDS processor. With the absence of images, the VIVDS processor's display shall indicate proper operation of the detection zones.

Detection zones shall be sensitive to the direction of vehicle travel. The direction will be capable of being detected by each detection zone and will be programmable by the user. The vehicle detection zones will not activate if a vehicle is traveling in any direction other than the one specified for detection in the zone. Cross-street and wrong way traffic shall not cause a false detection. Detection zones will be capable of an optional user defined call to detect a side entrance (90° or less angled entrance).

Design Field of View

The VIVDS system will be able to reliably detect vehicle presence in the design field of view. The design field of view shall be defined as the sensor view when the image sensor is mounted thirty (30) feet (9 meters) or higher above the roadway, when the sensor is in front of all stop lines, no more than seventy-five (75) feet from the intersection center, and the beginning of the detection area is not greater than one hundred and fifty (150) feet from the image sensor. Within this design field of view, the VIVDS processor should be capable of setting up a single detection zone for point detection (equivalent to the operation of a 6' x 6' inductive loop). A VIVDS sensor, placed at the proper mounting height, is able to monitor up to and including five (5) traffic lanes per approach simultaneously. A single fisheye lens VIVDS sensor, placed at the proper mounting height, should be able to monitor detection zones in an intersection of at a minimum of five (5) approaches.

Detection Performance

Detection accuracy of the VIVDS system shall be comparable to properly operating inductive loops. Detection accuracy should include the presence of any vehicle in the defined detection zone regardless of the lane the vehicle is occupying. Occlusion produced by vehicles in the same or adjacent lanes shall not be considered a failure of the VIVDS processor, but a limitation of the VIVDS sensor placement.

Detection shall be 98% accurate in good weather conditions with slight degradation possible under adverse weather or road conditions (i.e. rain, snow, fog). Detection will be expected for the entire design field of view on a lane by lane or by approach basis.

Equipment failure, either sensor or VIVDS processor, shall result in constant vehicle detection on affected detection zones. The VIVDS system will be required to have the ability to place a constant call to a specific zone, if said zone loses visibility, while simultaneously making calls in the traditional manner in the remaining zones.

System Software Operation

The VIVDS must transmit and receive all information needed for sensor setup, to monitor vehicle detection, to view vehicle traffic flow, and to interpret stored data. The remote communications link between the VIVDS processor shall not interfere with the on-street detection of the VIVDS processor.

The user should be able to view the detection area in a horizon to horizon fisheye view or in a configurable four (4) pane flattened view on the same screen. Each view should be able to be customized by the user, with the ability to digitally pan-tilt-zoom.

Installation

The supplier of the VIVDS system shall be present on-site to supervise the installation and testing of the sensors, processor, and other sensor components.

System installers will be required to be certified by the system manufacturer. A manufacturer's instructional guide will not be considered an adequate substitute for practical, classroom training and formal certification by an approved agency.

The manufacturer shall provide an online user guide and an electronic copy of the user guide within the client software and on board the VIVDS processor for reference.

Formal levels of factory authorized training are required for installers, contractors and system operators. All training must be certified by the VIVDS system manufacturer.

Warranty, Maintenance and Support

The video detection system must be warranted to be free of defects in material and workmanship for a period of 3 years from date of shipment from the manufacturer's facility. During the warranty period, the system manufacturer will be required to repair with new or refurbished materials, or replace at no charge,

any product containing a warranty defect provided the product is returned FOB to the supplier's factory or authorized repair site. Return product, product for repair, or product to be replaced under warranty by the supplier shall have prepaid transportation. This warranty does not apply to any products damaged by accident, improperly operated, abused, serviced by unauthorized personnel or unauthorized modification. Ongoing software support by the manufacturer includes updates of the VIVDS processor's engine and updates to the client software shall be provided free of charge for the life of the system.

Rectangular Rapid Flashing Beacon

Rectangular rapid flashing beacon (RRFB) shall be solar-powered, with technical and operational requirements set forth in FHWA's Conditions of Interim Approval memorandum. The RRFB units installed on each side of the street shall be capable of synchronous activation via wireless communications.

The rectangular rapid flashing beacon system on East 25th Street shall meet the following additional requirements:

Rapid Flashing Bar

Beacons

Beacons shall have LED bulbs and be highly visible from a minimum of 1,000 feet in advance of the crosswalk during the day. LED's shall be rated for a minimum of 15 years with a minimum run time of 100,000 hours. They shall be recessed in the flash bar with an additional polycarbonate shield for vandal resistance. Light configuration shall provide lights on both ends of the bar for notification to pedestrians entering the crosswalk from either side.

Flash Bar Housing

The Flash bar housing shall be constructed from a single piece of a minimum of 1/8th inch thick structural aluminum, providing durability and corrosion resistance. The flash bar shall allow directional rotation – enabling lights to be aimed toward oncoming traffic. There shall be no exposed screws.

Beacon Control

The flash pattern, activation duration and/or activation schedule shall be determined by the system controller. The system controller shall automatically adjust beacon brightness as outside light levels change between day and night, being brighter during the day and dimming at night. The level of brightness during different conditions shall be programmable through the controller.

MUTCD Flash Pattern Compliance now and for any Future Changes

System shall support online configuration changes such that if MUTCD guidelines call for a new flash pattern, system can be upgraded within days.

Controller

Enclosure

The controller unit shall be housed in a NEMA 3R or greater rated, pole mounted, aluminum cabinet with stainless steel hinge. The controller cabinet shall be 19"H x 10"W x 6"D plus or minus 1 inch for all dimensions.

Power Options

The controller unit shall be capable of both solar-powered and AC-powered options. The operating electrical power for AC-powered controller systems shall be 120V. Solar-powered controller systems shall be designed with a solar panel and backup battery source capable of running the system for at least 15 days without sunlight.

System Notification Capable, Remote Data Available

Usage data regarding activation times and dates shall be accessible via direct connection to the controller. Activation and activity logs shall be downloadable and printable.

Configuration

All system configuration changes shall be able to be done through a direct connection to the controller. The system controller shall offer optional manual system configuration via dials within the controller cabinet. Configuration options shall allow for variation of system flash durations from 1 to 60 seconds.

Controller to Controller Communication

The controller shall support wireless communication across the roadway or for advanced warning flashers using spread spectrum radio frequency, thus eliminating the need for cable trenching. Range shall be at least 500 feet. Up to 10 optional RF channels shall be available to allow multiple systems to operate within close proximity of each other.

Activation Log

The system shall be capable of logging all activations for a given period with a time stamp. The system shall record notifications of low battery voltage levels.

Guarantees and Warranties

The contractor shall provide a RRFB System from a manufacturer that offers, as a customary trade practice in the connection with the purchase of any equipment,

materials, or items incorporated into the project, a minimum 2 year guarantee or warranty on the controller cabinet and associated appurtenances, batteries and solar panel. The Contractor shall furnish to the Contracting Agency a written guarantee or warranty from the manufacturer.

18. On Page 100, insert the following after Line 45:

Section 8-20.3(6) Junction Boxes

The third paragraph is revised to read:

Adjustments involving raising or lowering the junction boxes shall require conduit modification if the resultant clearance between the top of the conduit and the junction box lid become less than 6-inches in accordance with City of Tacoma Standard Plan TS-08.

This section is supplemented with the following:

Junction boxes installed in sidewalks shall not be located within curb ramps. Adjacent junction boxes shall be separated by a minimum of three-inches. Junction boxes shall be located a minimum of 12-inches from the edge of the sidewalk unless located adjacent to the back of curb.

8-20.3(8) Wiring

The tenth paragraph is revised to read:

Ten feet of slack cable shall be provided at the controller end of all cables terminating in the controller cabinet. A minimum of three (3) feet of slack cable shall be left at all strain poles and junction boxes.

The thirteenth paragraph is revised to read:

All loop lead-in wiring shall be tagged at the splice point and at the controller. All signal conductors shall be tagged at the controller cabinet, as directed by the Engineer, with a small permanent band bearing the circuit designation. A legend shall be furnished to the Engineer.

8-20.3(14)C Induction Loop Vehicle Detectors

Subsections 2, 4, 9, and 10 are deleted.

19. On Page 103, insert the following after Line 45:

Rectangular Rapid Flashing Beacon

The Contractor shall warranty all electrical and mechanical equipment and strain poles and streetlight standards for satisfactory in service operation for one year following project acceptance. Warranty shall include troubleshooting, labor, materials and all other costs to bring the equipment to a satisfactory level of service. Normal maintenance is not included in the warranty.

20. On Page 104, insert the following after Line 16:

Description

Section 8-21.1 is supplemented with the following:

The following items are removed from the original contract:

Traffic Signs	10 SF
Steel Square Tube Post	6 EA; and

the following items are added as part of the East 25th Street Modifications:

Removing and Salvaging Signs, Remove Posts	25 EA
Traffic Signs	137 SF
Steel Square Tube Post	12 EA

21. On Page 105, insert the following after Line 10:

(*****)

PAVEMENT MARKING

Description

Section 8-22.1 is supplemented with the following:

Curb marking is a solid line of color specified in the Plans, and is used for designating on-street parking restriction zones. It is installed on both the top width and vertical face of the curb.

22. On Page 107, insert the following after Line 43:

(*****)

ADJUST AND REPLACE EXISTING ACCESS COVER WITH NON-SLIP LID

Description

This Work shall include all Work to furnish and install the non-slip lid for the existing utility cover to grade. It shall consist of replacing the existing utility access cover with a non-slip lid that is in the sidewalk or crosswalk within the project limits and if necessary, adjusting to grade according to the Plans. The lid shall have a coefficient of friction of 0.6 or greater. The Contractor shall work with the City and utility companies to procure the correct size lid to match the existing vault, junction box, handhole, catch basin, meter box, or manhole. Furthermore, if the cover is accessible by vehicular traffic, a traffic rated lid shall be used.

Construction Requirements

The replacement of the covers shall be adjusted to the grade specified in the plans.

23. On Page 111, insert the following after Line 33:

Item #5 East 25th Street Modifications

- a. Item Description: This item consists of the construction on East 25th Street as described in these Contract Documents. This includes conversion of the roadway segment into a one-way eastbound travel lane with updated signing, traffic signal modifications and pavement markings between East D and East G Streets; roadway and sidewalk construction between East D Street and East 25th Street Sta 27+63 including: asphalt & concrete paving, sidewalk pavement treatment, ADA curb ramp improvements along East 25th Street and East D Street & East 25th Street intersection, passenger loading and unloading zones, dedicated ADA parking; utility relocations and adjustments; and other proposed streetscape improvements including landscaping and pedestrian amenities.

The following work is included but not limited to:

- Removing Cement Conc. Pavement
- Removing Cement Conc. Sidewalk
- Removing Cement Conc. Curb and Gutter
- Removing Cement Conc. Curb
- Removing Asphalt Conc. Pavement
- Drain Pipe 6 in. Diam.
- Testing Storm Sewer Pipe
- Sewer Cleanout
- Testing Sewer Pipe
- PVC Sanitary Sewer Pipe 6 in. Diam.
- Crushed Surfacing Base Course
- Cement Conc. Pavement
- Cement Conc. Pavement with Rebars
- ESC Lead
- Inlet Protection
- Wattle
- Integral Cement Conc. Traffic Curb
- Adjust Valve Box
- Manhole 48 in. Diam. Type 1
- Adjust Manhole
- Cement Conc. Sidewalk
- Clearing and Grubbing
- Removing Paint Line
- Removing Plastic Line
- Removing Plastic Crosswalk Line
- Roadway Excavation Incl. Haul
- Service Connection 2.0 In. Diam.
- Service Connection 1.5 In. Diam.
- Service Connection 4.0 In. Diam.
- Service Connection 6.0 In. Diam.
- Commercial HMA
- Cement Conc. Traffic Curb
- Plastic Line
- Plastic Crosshatch Marking
- Plastic Wide Lane Line
- Plastic Traffic Arrow
- Plastic Crosswalk Line
- Plastic Stop Line

Painted Access Parking Space Symbol
Plastic Traffic Letter
Raised Pavement Marker Type 2
Conduit Pipe 2 In. Diam.
Structure Excavation Class B Incl. Haul
Gravel Backfill for Drain
Gravel Backfill for Pipe Zone Bedding
Detectable Warning Surface
Cement Conc. Curb Ramp Type Perpendicular A
PSIPE - 2.5" Cal. Tree
PSIPE - 5 Gal Shrub
PSIPE - 1 Gal Groundcover
PSIPE - 4" Groundcover
Irrigation System
Project Surveying
Project Temporary Traffic Control
Removal of Structure and Obstructions
Remove and Reinstall Miscellaneous Items
Stamped Tinted Concrete Crosswalk
Adjust Cleanout
Topsoil Type A
Soil Amendment
Bark or Wood Chip Mulch
Cement Conc. Wheel Stop
Rectangular Rapid Flashing Beacon
Traffic Signal Modifications
Permanent Signing
Painted Curb Marking
Adjust and Replace Existing Access Cover with Non-Slip Lid
Stone Bench

- b. Measurement: This item will be measured as a lump sum unit.
- c. Payment: This item will be paid at the contract lump sum price, as agreed to in the change order. No separate payment under existing contract bid items shall be made for any work described in this section for the subject location.

24. On Page 685, Division 12 Furnishings is supplemented with the following:

SECTION 12 93 40 SITE SEATING, BENCHES AND TABLES

PART 1 - GENERAL

1.01 SCOPE OF WORK:

Furnish all labor, materials, equipment and related items necessary to complete the work shown on the Drawings and/or Specifications. The items of work to be performed include but are not limited to:

1. Stone Bench.

1.02 RELATED SECTIONS:

- A. Not Used.

1.03 SUBMITTALS

- A. Product data for each type of stone, samples for verification purposes of stone in form for each color, grade, finish, type, and variety of stone required and consisting of stones not less than 12 inches square. Include 2 or more stones in each set of samples showing the full range of variations in appearance characteristics to be expected in the completed work. Deliver samples to site for review.

1.04 QUALITY ASSURANCE

- A. Sources: Each separate material type of the landscape stonework shall be obtained from a single source and be of the same type material to assure uniformity of quality and appearance. Deliver all project stone materials to an approved holding area prior to commencement of work for review by the Landscape Architect.
- B. Information on the Drawings and in the Specifications establishes the requirements for both aesthetic effects and performance of the stone. Aesthetic effects relative to the formal characteristics are indicated by dimensions, arrangement, alignment, and profiles of components and assemblies as they relate to sight lines and relationships to one another and to adjoining construction; performance is indicated by criteria subject to verification either by preconstruction or field test, if applicable, or by in-service experience.
- C. Do not modify intended aesthetic effects, except with the Owner's approval, and only to the extent exclusively needed to comply with the performance requirements. Where modifications are proposed, submit comprehensive explanatory data for review.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the project site in undamaged condition.
- B. Store and handle the stone and related materials to prevent their deterioration or damage due to moisture, temperature changes, contaminants, corrosion, breakage, chipping, or other causes.
- C. Do not use pinch or wrecking bars.

- D. Lift with wide-belt-type slings where possible; do not use wire rope or ropes containing tar or other substances that might cause staining.

1.06 SUBSTITUTIONS

- A. Make no materials substitutions without the written approval of the Landscape Architect.

1.07 LAYOUT

- A. Verify the location of all elements of the stonework prior to installation. The Landscape Architect reserves the right to adjust the locations of stonework during the installation period as appropriate to the job.

PART 2 - PRODUCTS

2.01 STONE

- A. Stone Bench
 - 1. Basis-of Design Product: Subject to compliance with requirements, provide stone seat from: Marenakos Rock Center, Ph. (425) 392-3313, or approved equal.
 - 2. Stone Type: Granite.
 - 3. Color: Salt and Pepper.
 - 4. Finish: Saw-cut Thermal Finish Top, Saw-cut bottom, Split sides.
 - 5. Size: See drawings.
 - 6. Installation Method: Refer to details, see plans for location.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify the following:
 - 1. Support work and site conditions are ready to receive Work of this Section.
 - 2. Items in other Sections are properly located and sized.

3.02 PREPARATION

- A. Lines, levels and reference points shall be established prior to beginning work and shall be protected and maintained throughout the course of work.
- B. Stone shall be cleaned prior to placement. Implements and methods that can stain, mar, mark or damage exposed surfaces shall not be used.
- C. All improvements and utilities within the work area shall be located prior to beginning work and shall be protected during the course of work.
- D. Coordinate with irrigation work as required to provide sleeving and/or pipe access into all planting pockets.

3.03 INSTALLATION OF STONework

- A. Stones shall be set to comply with requirements indicated on the plans.
- B. Stones shall be thoroughly cleaned and moistened immediately before setting, and the bed cleaned.
- C. Stones shall be handled in a manner to prevent jarring or displacing the stones already set. The rolling or turning of stones will not be permitted. If a stone is loosened after being set, it shall be removed, cleaned off, and the stone reinstalled.

3.04 CLEANING

- A. Replace any damaged stone deemed unacceptable by the Landscape Architect.
- B. Immediately after being laid, stone shall be thoroughly cleaned and kept clean until the work is accepted.
- C. Excess stone and other materials shall be removed upon completion of work. Soil contaminated by stonework shall be removed and replaced with acceptable topsoil.
- D. Soiled surfaces shall be cleaned with a cleaning solution. Non-metallic tools shall be used in cleaning operations.

3.05 FINAL ACCEPTANCE

- A. Final acceptance of the stonework in this section shall be made by the Landscape Architect or Owner after an inspection to determine 100 percent completion of the Contract work and all punch list items.

END OF SECTION

INDEX

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 1
1 - 5	IN1 - IN5	INDEX
6	VM1	VICINITY MAP
7 - 8	SQ1 - SQ2	SUMMARY OF QUANTITIES
9	HL1	HAUL ROUTE PLAN
10	GN1	LEGEND AND SYMBOLS
11	GN2	ABBREVIATIONS
12	CT1	HORIZONTAL/VERTICAL CONTROL PLAN
13 - 14	RW1 - RW2	RIGHT OF WAY PLAN
15	ST1	STAGING PLAN EAST 25TH STREET
16 - 20	SP1 - SP5	SITE PREPARATION PLAN
20A	SP5A	SITE PREPARATION PLAN
21 - 25	HM1 - HM5	HAZARDOUS MATERIALS PLAN
26	HM6	HAZARDOUS MATERIALS NOTES AND DETAILS
27 - 31	EC1 - EC5	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
31A	EC5A	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
32	EC6	EROSION AND SEDIMENTATION CONTROL DETAILS
33	RS1	EAST 25TH STREET TYPICAL SECTIONS
34	RS2	TYPICAL SECTIONS
35 - 39	PV1 - PV5	PAVING PLAN
39A	PV5A	PAVING PLAN
40 - 41	PV6 - PV7	PAVING DETAILS
41A - 41C	PV7A - PV7C	PAVING DETAILS
42 - 43	DR1 - DR2	DRAINAGE AND UTILITY PLAN
45, 45A, 45B	DR4, DR4A, DR4B	DRAINAGE AND UTILITY PLAN
46 - 47	DD1 - DD2	DRAINAGE AND UTILITY DETAILS
47A	DD2A	DRAINAGE AND UTILITY DETAILS

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 1
48 - 51	UT1 - UT4	ACCESS CONTROL AND SIGNING AND PAVEMENT MARKING PLAN
52 - 53	PM1 - PM2	SIGNING AND PAVEMENT MARKING PLAN
53A - 53C	PM2A - PM2C	SIGNING AND PAVEMENT MARKING PLAN
54	VF1	WAYFINDING SIGN SCHEDULE
55 - 61	WF2 - WF8	WAYFINDING PLAN
62 - 65	TC1 - TC4	TRAFFIC CONTROL PLAN
66	TC5	STATION DETOUR ROUTE MAP
67	A001	GENERAL NOTES
68	A002	ABBREVIATIONS & SYMBOLS
69	A005	CODE COMPLIANCE
70	A006	CODE INFORMATION
71	A007	PLATFORM CODE
72	A008	FHS GRADE LEVEL CODE PLAN
73	A009	FHS WEST MEZZ LVL CODE PLAN
74	A010	TECHNICAL NOMENCLATURE
75 - 76	A020 - A021	ASSEMBLY SCHEDULE
77	A030	DOOR & WINDOW SCHEDULES & TYPES
78	A040	FINISH SCHEDULE
79	A050	DEMOLITION PLAN - MAIN LEVEL
80	A051	DEMOLITION PLAN - MEZZANINE LEVEL
81	A052	ENLARGED DEMOLITION PLAN - WEST
82	A053	ENLARGED DEMOLITION PLAN - EAST
82A	A053A	SITE DEMOLITION PLAN
83	A100	SITE PLAN
84	A110	PLATFORMS - EAST
85	A111	PLATFORMS - CENTER

**PARSONS
BRINCKERHOFF**

999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-6200

PLAN REFERENCE NO.
SHEET NO.
OF
SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

Contract 8895
Change Order No. 63
Page 30 of 99

FILE NAME	J:\160232_WSDOT_OnCallRail\GADD\GIV\SH\Task 6 Station\PCO 002 East 25th\FHS P8 INDEX_TASK6 E25.dgn		
TIME	6:55:14 PM		
DATE	3/21/2017		
PLOTTED BY	RiuY	REGION NO.	10
DESIGNED BY	Y. JIANG	STATE	WASH
ENTERED BY	Y. JIANG	JOB NUMBER	16X330
CHECKED BY	Y. RIU	CONTRACT NO.	
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT IN1	LOCATION NO.	XL3982
REGIONAL ADM.	REVISION	DATE	BY
		03/21/2017	YJ



Washington State Department of Transportation

PROJ. DEVELOPMENT ENGR. _____ DATE _____

TACOMA AMTRAK CASCADES STATION	Plot 1
INDEX	PLAN REF NO IN1
	SHEET 1 OF 317 SHEETS

INDEX

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 2
244	P202	MEZZANINE PLUMBING PLAN
245	P203	ROOF PLUMBING PLAN
246	E001	ELECTRICAL LEGEND AND ABBREVIATIONS
247	E002	ELECTRICAL GENERAL NOTES
248 - 249	E003 - E004	ELECTRICAL SCHEDULES
250 - 251	ED100 - ED101	MAIN LEVEL - ELECTRICAL DEMOLITION
252	ED102	MEZZANINE - ELECTRICAL DEMOLITION
253	ED103	NORTH PLATFORM EAST - ELECTRICAL DEMOLITION
254	ED104	NORTH PLATFORM CENTER - ELECTRICAL DEMOLITION
255	ED105	NORTH PLATFORM CENTER WEST - ELECTRICAL DEMOLITION
256	ED106	NORTH PLATFORM WEST - ELECTRICAL DEMOLITION
257 - 262 262A - 262C 263	ED107 - ED112 ED112A - ED112C E100	EXISTING DEMOLITION PHOTOS EAST 25TH ELECTRICAL SITE DEMOLITION PLAN ELECTRICAL SITE PLAN
264	E101	NORTH PLATFORM EAST - POWER & SYSTEMS PLAN
265	E102	NORTH PLATFORM CENTER - ELECTRICAL & SYSTEMS PLAN
266	E103	NORTH PLATFORM CENTER WEST - ELECTRICAL & SYSTEMS PLAN
267	E104	NORTH PLATFORM WEST - POWER & SYSTEMS PLAN
268	E105	NORTH PLATFORM EAST - LIGHTING PLAN
269	E106	NORTH PLATFORM CENTER - LIGHTING PLAN
270	E107	NORTH PLATFORM CENTER WEST - LIGHTING PLAN

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 2
271	E108	NORTH PLATFORM WEST - LIGHTING PLAN
272 272A - 272C 273	E109 E109A - E109C E200	SOUTH PLATFORM CENTER WEST - ELECTRICAL & SYSTEMS PLAN EAST 25TH ELECTRICAL SITE PLAN PLATFORM LEVEL - POWER PLAN
274	E201	MEZZANINE - POWER PLAN
275	E202	ROOF - ELECTRICAL PLAN
276	E300	PLATFORM LEVEL - LIGHTING PLAN
277	E301	MEZZANINE - LIGHTING PLAN
278	E400	PLATFORM LEVEL - LOW VOLTAGE SYSTEMS PLAN
279	E401	MEZZANINE - LOW VOLTAGE SYSTEMS PLAN
280	E500	EXISTING FHS/ST POWER ONE-LINE DIAGRAM
281	E501	NEW AMTRAK STATION/SOUND TRANSIT POWER ONE-LINE DIAGRAM
282	E502	EXISTING FHS WEST ONE-LINE DIAGRAM
283	E503	ELECTRICAL DETAILS
284 - 285	E504 - E505	LIGHTING CONTROLS
286	E506	LIGHTING DETAILS
287 - 288	E507 - E508	ELECTRICAL DETAILS
289	E509	FIRE ALARM RISER DIAGRAM
290 - 291	E510 - E511	ENLARGED ELECTRICAL PLANS
292	E512	SYSTEMS INTERCONNECTION DIAGRAM
293	E513	POWER INTERCONNECTION DIAGRAM
294	E514	INTERCONNECTION DETAILS
295 - 298 299 - 302 303 - 307 308 - 312 313 - 317	E500 - E603 TN1, TS1 - TS3 LSN1, LS1 - LS3, LSD1 LPN1, LP1 - LP3, LPD1 IRN1, IR1 - LP3, IRD1	PANELBOARD SCHEDULES TRAFFIC SIGNAL PLAN LANDSCAPE SITE PLAN PLANTING PLAN IRRIGATION PLAN

Contract 8895
Change Order No. 63
Page 32 of 99

PLAN REFERENCE NO.
SHEET NO.
OF
SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	J:\160232 WSDOT_OnCallRail\CADD\CIV\SH1\Task 6 Station\PCO 002 East 25th\FHS PS INDEX_TASK6 E25.dgn		
TIME	4:58:47 PM	REGION NO.	10
DATE	3/20/2017	STATE	WASH
PLOTTED BY	NelsonE	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06
DESIGNED BY	Y. JIANG	JOB NUMBER	16X330
ENTERED BY	Y. JIANG	CONTRACT NO.	
CHECKED BY	Y. RIU	LOCATION NO.	XL3982
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT/INS	DATE	03/21/2017
REGIONAL ADM.	REVISION	BY	YJ



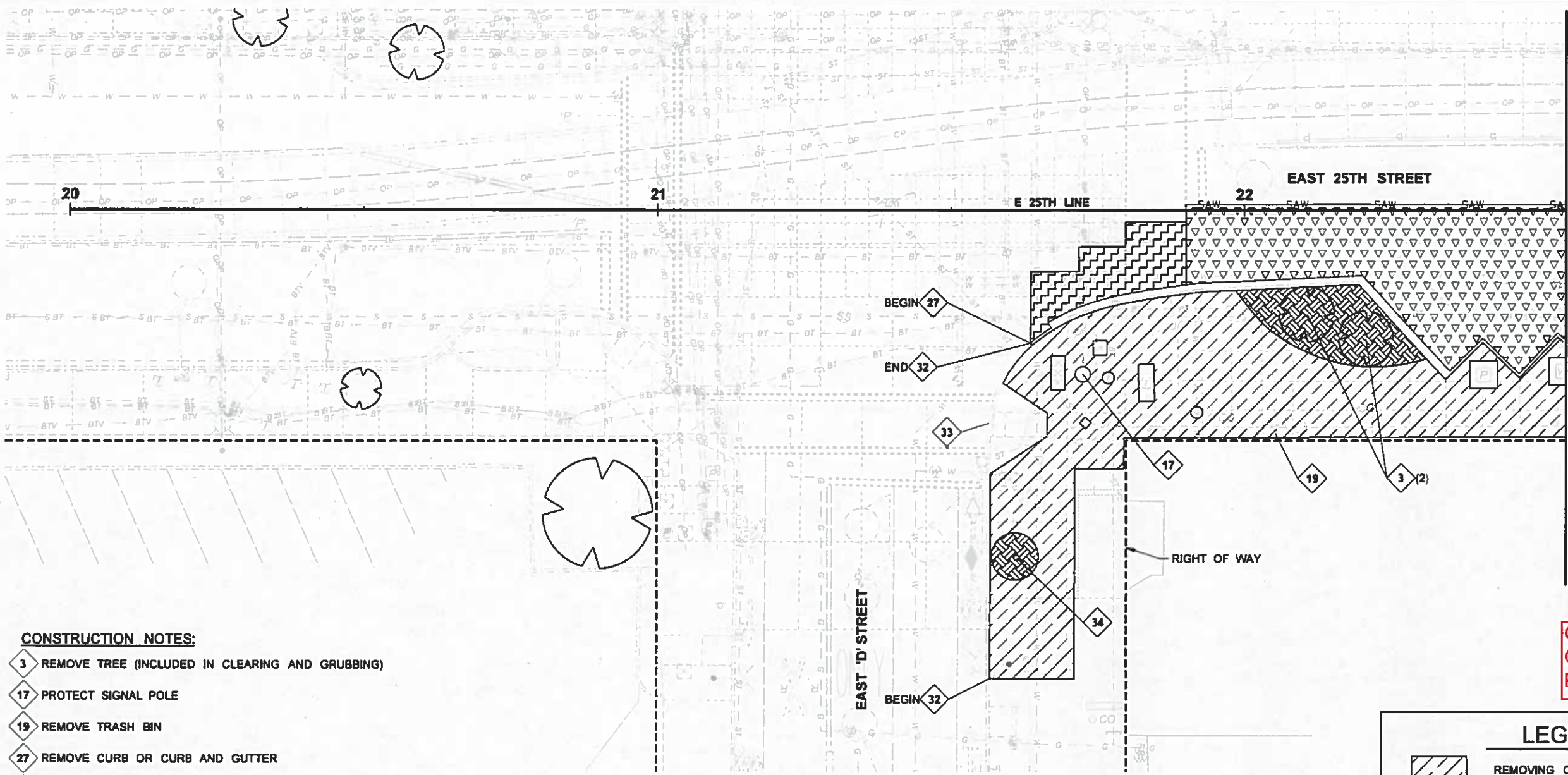
PARSONS BRINCKERHOFF
999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-6200



TACOMA AMTRAK CASCADES STATION

INDEX

Plot 5
PLAN REF NO
IN5
SHEET 5 OF 317 SHEETS



MATCH LINE SEE SHEET SP5

0 10 20
SCALE IN FEET

Contract 8895
Change Order No. 63
Page 33 of 99

CONSTRUCTION NOTES:

- 3 REMOVE TREE (INCLUDED IN CLEARING AND GRUBBING)
- 17 PROTECT SIGNAL POLE
- 19 REMOVE TRASH BIN
- 27 REMOVE CURB OR CURB AND GUTTER
- 32 PROTECT CURB & GUTTER
- 33 PROTECT CURB RAMP
- 34 PROTECT POLE MOUNTED ART TO REMAIN

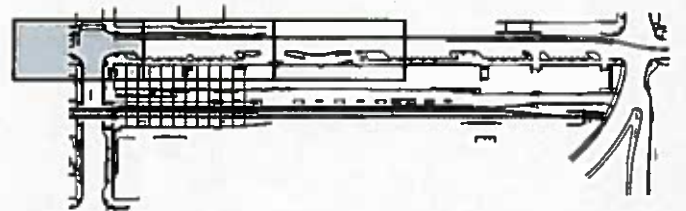
GENERAL NOTES:

1. FOR SAWCUT AND REMOVAL LIMITS, SEE PAVING PLANS.
2. FOR ILLUMINATED BOLLARDS, ELECTRICAL AND COMMUNICATION ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED OR TO REMAIN, SEE ELECTRICAL AND SITE LIGHTING PLANS.
3. FOR DRAINAGE STRUCTURES, WATER AND SEWER ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED, TO REMAIN OR LID REPLACEMENT, SEE DRAINAGE AND UTILITY PLANS.
4. FOR SIGN AND POST REMOVALS, SEE SIGNING AND PAVEMENT MARKING PLANS.
5. REPLACE EXISTING UTILITY ACCESS COVERS WITH NON-SKID LIDS WITHIN THE SIDEWALK IN THE PROJECT LIMITS AND ADJUST TO GRADE AS NOTED IN THE ELECTRICAL SITE PLANS.
6. SEE DRAINAGE AND UTILITY PLANS FOR LOCATION OF VALVES AND WATER METER ADJUSTMENT AND LID REPLACEMENT.

REPLACE EXISTING SIGNAL JUNCTION BOXES WITH NON-SKID LIDS WITHIN THE SIDEWALK IN THE PROJECT LIMITS.

LEGEND

- REMOVING CEMENT CONC. SIDEWALK
- REMOVING ASPHALT CONC. PAVEMENT
- REMOVING CEMENT CONC. PAVEMENT
- CLEARING AND GRUBBING
- SAW - SAWCUT LINE



PUBLIC WORKS DEPARTMENT

Approved: 3-28-17

CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\160232 WSDOT_OnCallRain\ADD\CV\SH\Task 6 Station\PCO 002 East 25th\FHS P3 SP_Task5 E25.dgn		REGION NO.:	STATE:	FED.AID PROJ.NO.:
TIME: 5:24:54 PM	DATE: 3/20/2017	10	WASH	FR-HSR-0017-11-01-06
PLOTTED BY: NelsonE	DESIGNED BY: Y. JIANG	JOB NUMBER:	CONTRACT NO.:	LOCATION NO.:
ENTERED BY: K. WHITEHOUSE	CHECKED BY: Y. RIJU	16X330		XL3982
PROJ. ENGR.:	REGIONAL ADM.:	PCO 002 REV 1 - REPLACES ORIG CONTRACT SP4	DATE: 03/21/2017	BY: YJ
		REVISION		



PARSONS BRINCKERHOFF

999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-6200

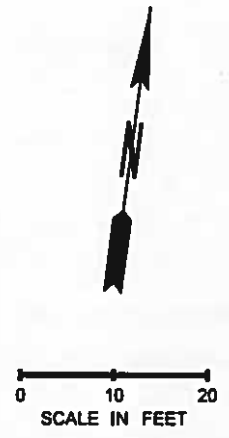
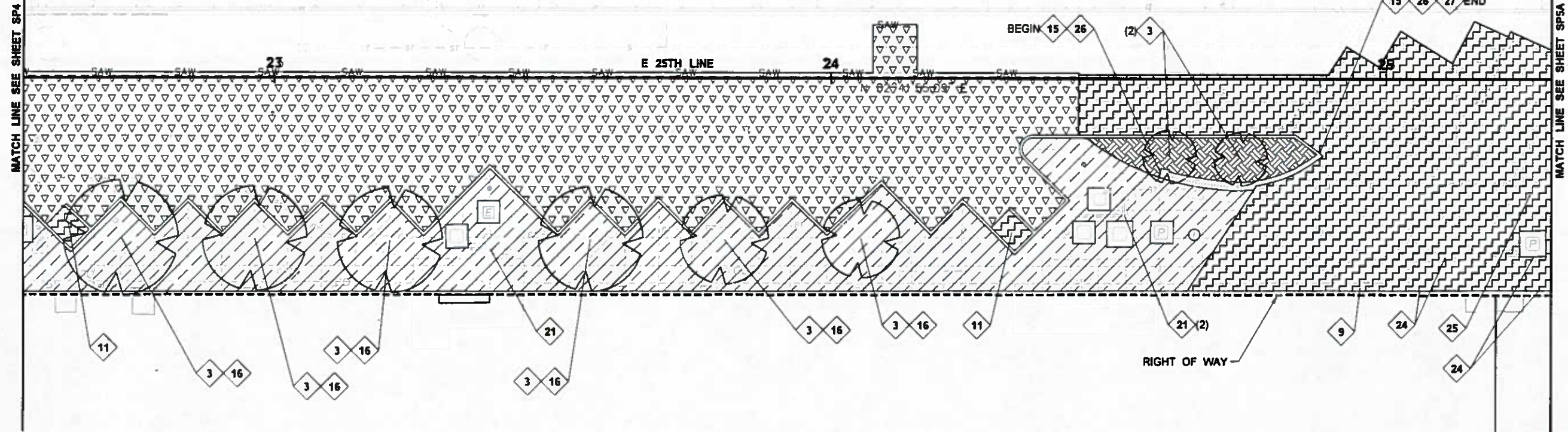
**Washington State
Department of Transportation**

TACOMA AMTRAK CASCADES STATION

SITE PREPARATION PLAN

PLAN REF NO. SP4
SHEET 19 OF 317 SHEETS

EAST 25TH STREET



Contract 8895
Change Order No. 63
Page 34 of 99

CONSTRUCTION NOTES:

- 3 REMOVE TREE (INCLUDED IN CLEARING AND GRUBBING)
- 9 REMOVE AND REINSTALL MAILBOX. SEE LANDSCAPE PLANS FOR NEW LOCATION.
- 11 REMOVE CEMENT CONCRETE RAMPS & ELEVATED PLATFORM
- 15 REMOVE BENCH
- 16 REMOVE AND SALVAGE GRATE. RETURN TO CITY OF TACOMA.
- 21 REMOVE TRELLIS AND FOUNDATION
- 24 REMOVE RAILING
- 25 SOUND TRANSIT SIGN. SEE SITE DEMOLITION PLAN A053A FOR REMOVAL AND LANDSCAPE SITE PLAN LS2 FOR NEW LOCATION.
- 26 REMOVE PLANTER WALLS AND FOUNDATION 1.0' BELOW FINAL GRADE
- 27 REMOVE CURB OR CURB AND GUTTER

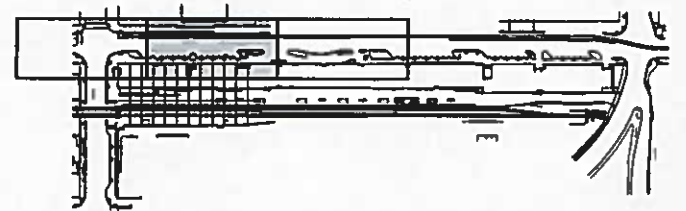
GENERAL NOTES:

1. FOR SAWCUT AND REMOVAL LIMITS, SEE PAVING PLANS.
2. FOR ILLUMINATED BOLLARDS, ELECTRICAL AND COMMUNICATION ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED OR TO REMAIN, SEE ELECTRICAL AND SITE LIGHTING PLANS.
3. FOR DRAINAGE STRUCTURES, WATER AND SEWER ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED TO REMAIN OR LID REPLACEMENT, SEE DRAINAGE AND UTILITY PLANS.
4. FOR SIGN AND POST REMOVALS, SEE SIGNING AND PAVEMENT MARKING PLANS.
5. REPLACE EXISTING UTILITY ACCESS COVERS WITH NON-SKID LIDS WITHIN THE SIDEWALK IN THE PROJECT LIMITS AND ADJUST TO GRADE ACCORDING TO THE ELECTRICAL SITE PLANS.
6. SEE DRAINAGE AND UTILITY PLANS FOR VALVES AND WATER METER LID REPLACEMENT AND ADJUSTMENT.


REPLACE EXISTING SIGNAL JUNCTION BOXES WITH NON-SKID LIDS WITHIN THE SIDEWALK, IN THE PROJECT LIMITS.

LEGEND

- REMOVING CEMENT CONC. SIDEWALK
- REMOVING ASPHALT CONC. PAVEMENT
- REMOVING CEMENT CONC. PAVEMENT
- CLEARING AND GRUBBING
- SAWCUT LINE



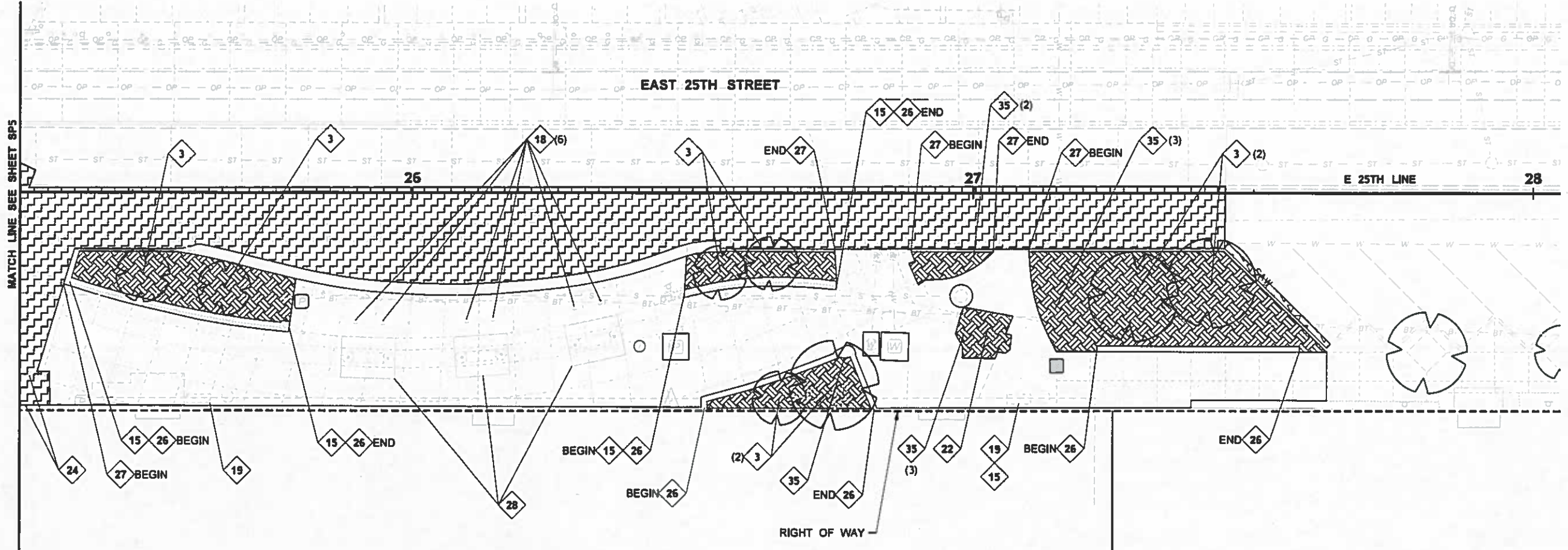
PUBLIC WORKS DEPARTMENT

Approved:  3-28-17

Tacoma CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\160232_WSDOT_OnCallRainCADD\CIV\ASHT\Task 6 Station\PCO 002 East 25th\FHS PS SP_Task6 E25.dgn		REGION NO. STATE		FED.AID PROJ.NO.		TACOMA AMTRAK CASCADES STATION		PLAN REF NO.
TIME: 5:25:42 PM	DATE: 3/20/2017	10	WASH	FR-HSR-0017-11-01-06		TACOMA AMTRAK CASCADES STATION		SP5
PLOTTED BY: NelsonE	DESIGNED BY: Y. JIANG	JOB NUMBER: 16X330		PARSONS BRINCKERHOFF		TACOMA AMTRAK CASCADES STATION		SHEET 20 OF 317 SHEETS
ENTERED BY: K. WHITEHOUSE	CHECKED BY: Y. RIU	CONTRACT NO.		999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200		TACOMA AMTRAK CASCADES STATION		
PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - REPLACES ORIG CONTRACT SP5	03/21/2017	YJ	Washington State Department of Transportation		TACOMA AMTRAK CASCADES STATION		
	REVISION	DATE	BY	XL3982		TACOMA AMTRAK CASCADES STATION		
				P.L. STAMP BOX		TACOMA AMTRAK CASCADES STATION		



Contract 8895
Change Order No. 63
Page 35 of 99

CONSTRUCTION NOTES:

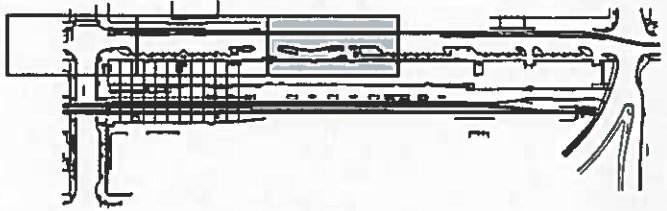
- 3 REMOVE TREE (INCLUDED IN CLEARING AND GRUBBING)
- 15 REMOVE BENCH
- 16 REMOVE AND SALVAGE GRATE. RETURN TO CITY OF TACOMA.
- 18 REMOVE BOLLARD
- 19 REMOVE TRASH BIN.
- 22 ARTWORK - SEE A054 FOR REMOVAL AND LS3 FOR NEW LOCATION
- 24 REMOVE RAILING
- 26 REMOVE PLANTER WALLS AND FOUNDATION 1.0' BELOW FINAL GRADE
- 27 REMOVE CURB OR CURB AND GUTTER
- 28 SHELTER - SEE A054 FOR REMOVAL AND LS3 FOR NEW LOCATION(S)
- 35 REMOVE BOULDER

GENERAL NOTES:

1. FOR SAWCUT AND REMOVAL LIMITS, SEE PAVING PLANS.
2. FOR ILLUMINATED BOLLARDS, ELECTRICAL AND COMMUNICATION ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED OR TO REMAIN, SEE ELECTRICAL AND SITE LIGHTING PLANS.
3. FOR DRAINAGE STRUCTURES, WATER AND SEWER ITEMS TO BE REMOVED, RELOCATED, ABANDONED, ADJUSTED, TO REMAIN OR LID REPLACEMENT, SEE DRAINAGE AND UTILITY PLANS.
4. FOR SIGN AND POST REMOVALS, SEE SIGNING AND PAVEMENT MARKING PLANS.
5. REPLACE EXISTING UTILITY ACCESS COVERS WITH NON-SKID LIDS WITHIN THE SIDEWALK IN THE PROJECT LIMITS AND ADJUST TO GRADE AS NOTED IN THE ELECTRICAL SITE PLANS.
6. REPLACE EXISTING SIGNAL JUNCTION BOXES WITH NON-SKID LIDS WITHIN THE SIDEWALK IN THE PROJECT LIMITS.
7. SEE DRAINAGE AND UTILITY PLANS FOR LOCATION OF VALVES AND WATER METER ADJUSTMENT AND LID REPLACEMENT.

LEGEND

- REMOVING CEMENT CONC. SIDEWALK
- REMOVING ASPHALT CONC. PAVEMENT
- REMOVING CEMENT CONC. PAVEMENT
- CLEARING AND GRUBBING
- SAWCUT LINE



PUBLIC WORKS DEPARTMENT

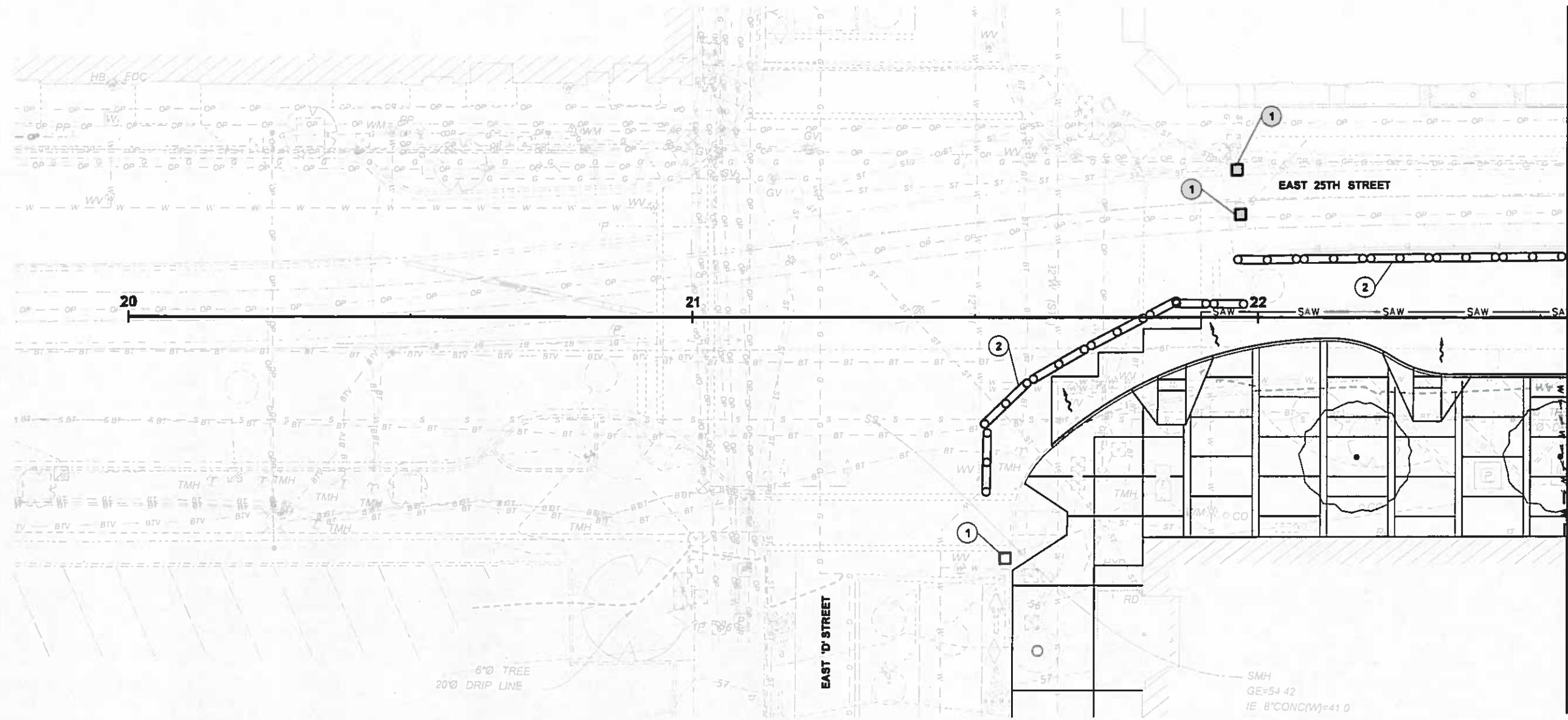
Approved:

3-28-17

CONSTRUCTION DIVISION

Work Order No.:

FILE NAME	J:\150232_WSDOT_OnCallRail\ADD\CV\SH\Task 6 Station\PCO 002 East 25th\FHS PS SP_Task5 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-362-5200		TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	5:26:26 PM	10	WASH	FR-HSR-0017-11-01-05					SP5A
DATE	3/20/2017	JOB NUMBER			SHEET 20A OF 317 SHEETS				
PLOTTED BY	NelsonE	CONTRACT NO.							
DESIGNED BY	Y. JIANG	LOCATION NO.			SITE PREPARATION PLAN				
ENTERED BY	K. WHITEHOUSE								
CHECKED BY	Y. RIJ								
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017	BY					
REGIONAL ADM.	REVISION								



NOTES:
 1. SEE SHEET EC6 FOR TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS.

LEGEND

① STORM DRAIN INLET PROTECTION (3)

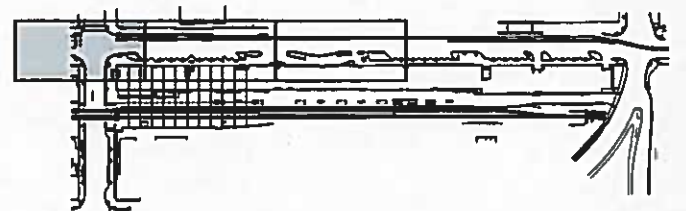
② WATTLE (110 LF)

Contract 8895
 Change Order No. 63
 Page 36 of 99

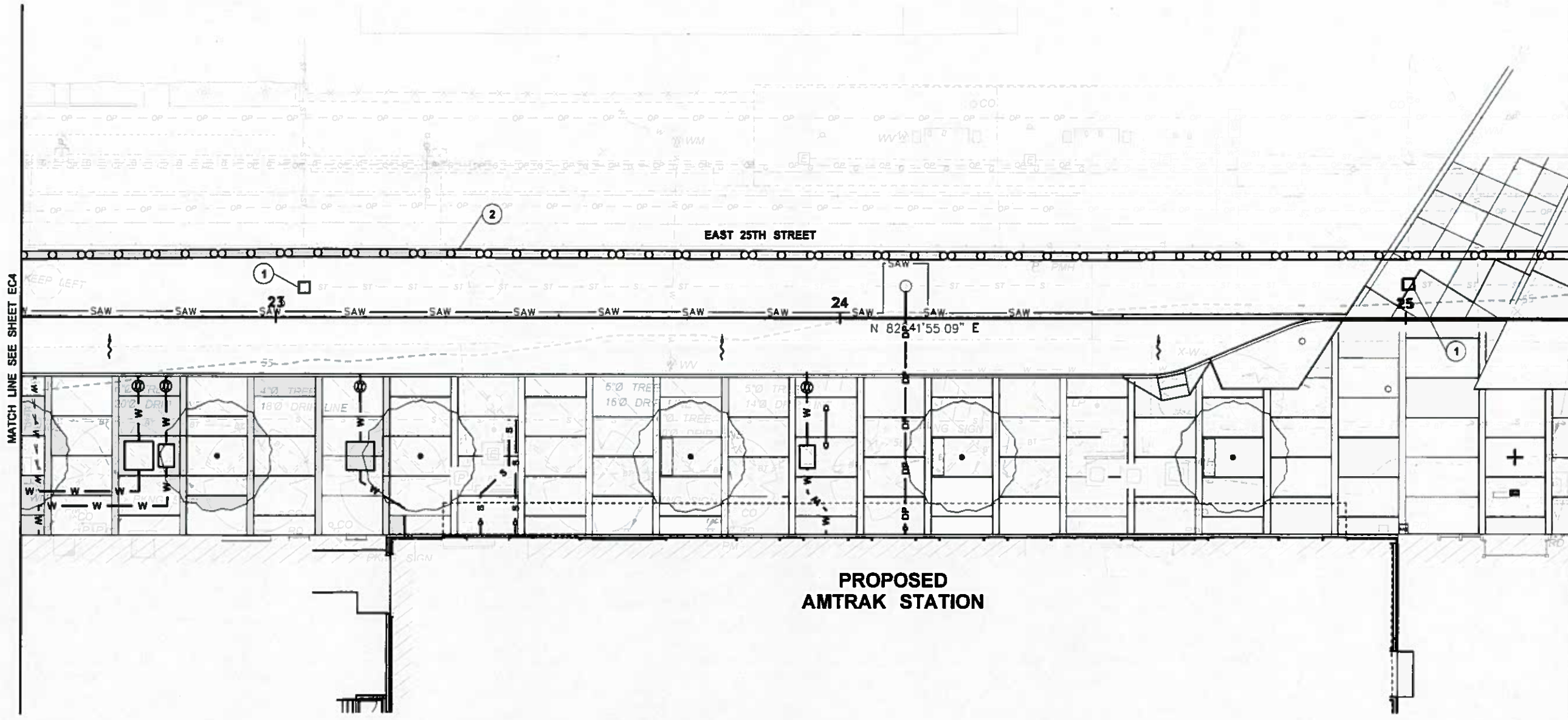
Tacoma PUBLIC WORKS DEPARTMENT

Approved: 3-28-17
 CONSTRUCTION DIVISION

Work Order No.:



FILE NAME: J:\160232_WSDOT_OnCallRainCADD\DCVRSHT\Task 5 Station\PCO 002 East 25th\FHS P3 EC_Task6 E25.dgn		TIME: 3:10:27 PM		DATE: 3/20/2017		PLOTTED BY: NelsonE		DESIGNED BY: S. HECT		ENTERED BY: S. HECT		CHECKED BY: T. SIMPSON		PROJ. ENGR.:		REGIONAL ADM.:	
PCO 002 REV 1 - REPLACES ORIG CONTRACT EC4		03/21/2017		NN		DATE		BY		REVISION							
REGION NO.:		STATE:		FED.AID PROJ.NO.:		FR-HSR-0017-11-01-06		JOB NUMBER:		16X330		CONTRACT NO.:		LOCATION NO.:		XL3982	
		PARSONS BRINCKERHOFF		999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200				TACOMA AMTRAK CASCADES STATION		TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN		PLAN REF NO:		EC4			
		SHEET 30 OF 317 SHEETS															



NOTES:
 1. SEE SHEET EC6 FOR TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS.

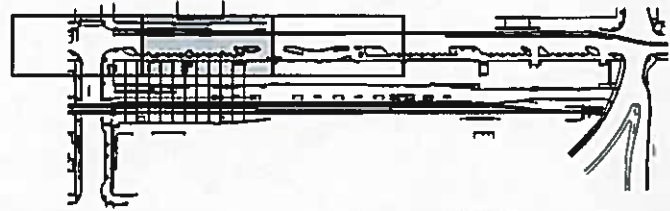
LEGEND	
①	□ STORM DRAIN INLET PROTECTION
②	▬▬▬ WATTLE (275 LF)

Contract 8895
 Change Order No. 63
 Page 37 of 99

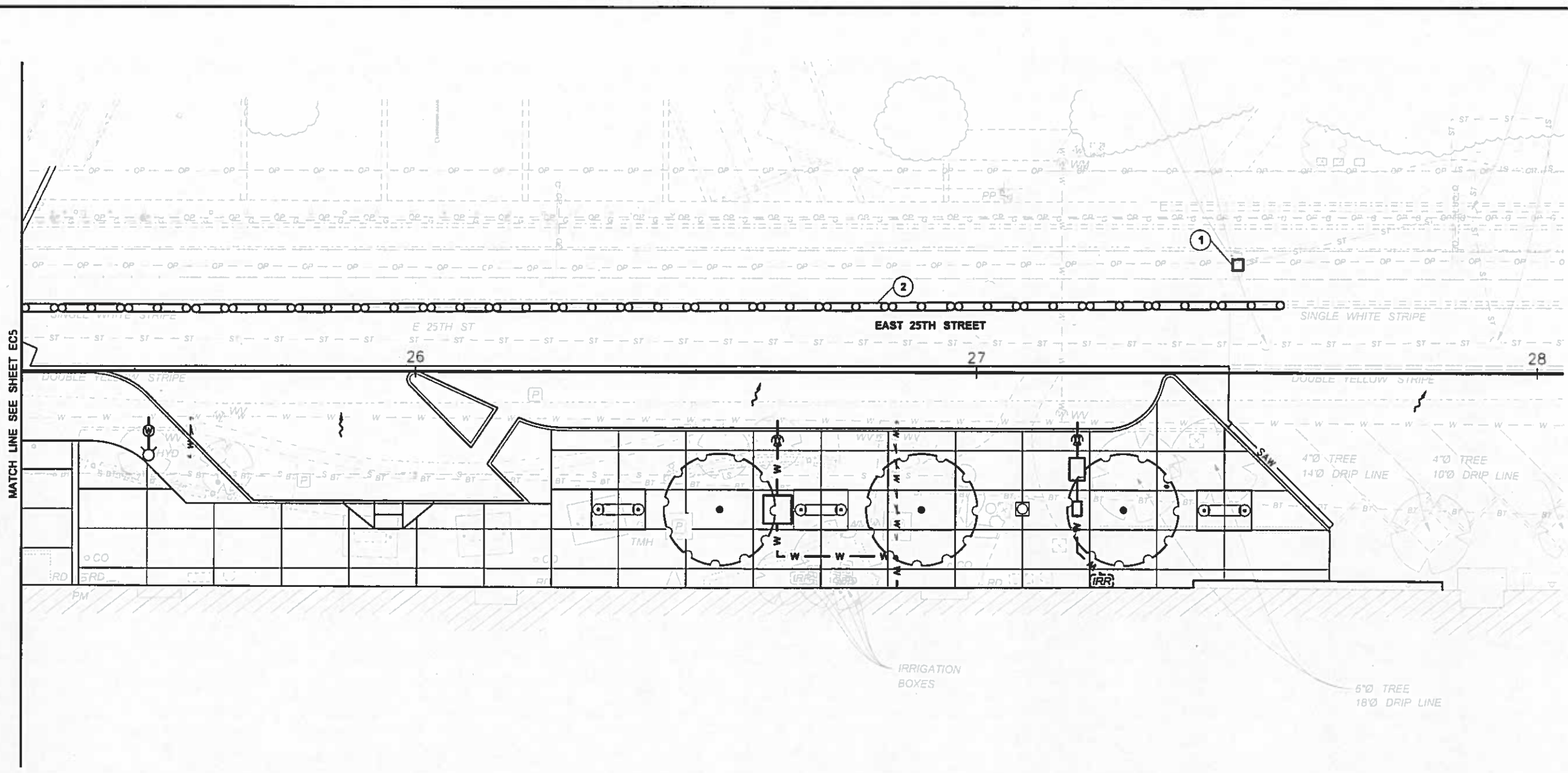
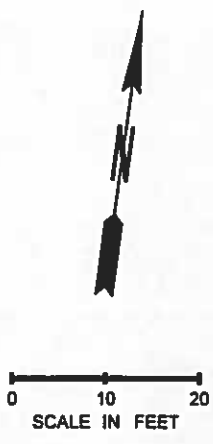
PUBLIC WORKS DEPARTMENT

Approved: *S. Hect* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:



FILE NAME	J:\160232 WSDOT OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_EC Task6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	Plot 5
TIME	3:12:22 PM	JOB NUMBER	16X330	CONTRACT NO.	XL3982	PLANNING NO.	EC5					
DATE	3/20/2017	PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT	DATE	03/21/2017	BY	NN	REVISION				SHEET 31 OF 317 SHEETS
PLOTTED BY	NelsonE	REGIONAL ADM.										TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN



NOTES:
 1. SEE SHEET EC6 FOR TEMPORARY EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS.

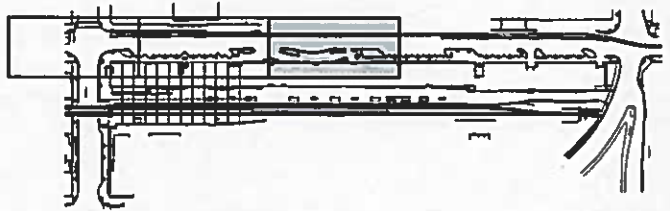
LEGEND	
①	□ STORM DRAIN INLET PROTECTION (1)
②	▬ WATTLE (225 LF)

Contract 8895
 Change Order No. 63
 Page 38 of 99

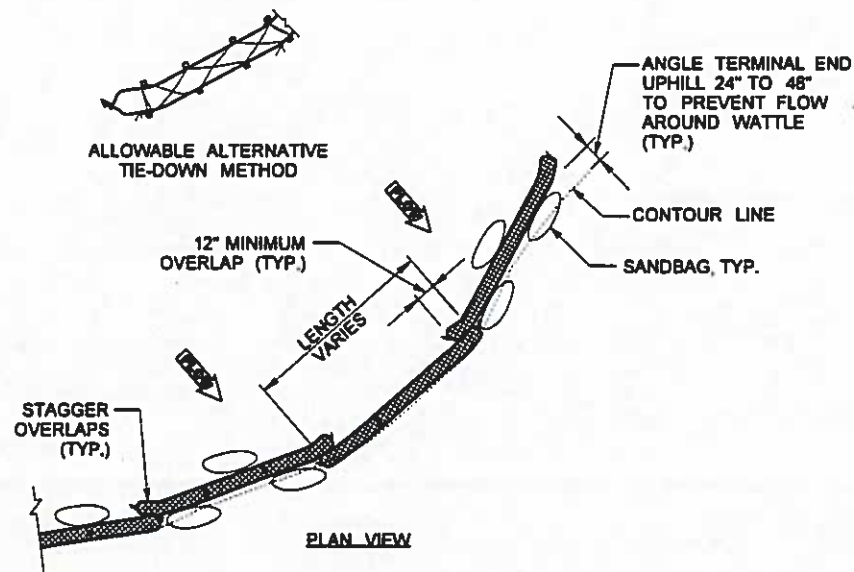
Tacoma PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

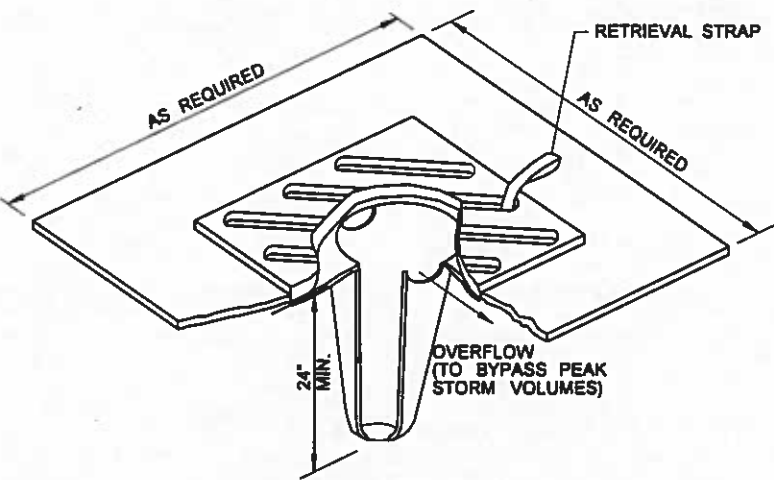
Work Order No.:



FILE NAME	J:\160212 WSDOT OnCallRainCADD\CIV\SHIT\Task 6 Station\PCO 002 East 25th\FHS PS EC Task6 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.	 PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200	 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN	Plot 6
TIME	3:13:11 PM	10	WASH	FR-HSR-0017-11-01-06				PLAN REF NO EC5A
DATE	3/20/2017	JOB NUMBER						SHEET 31A
PLOTTED BY	NelsonE	CONTRACT NO.						OF 317
DESIGNED BY	S. HECT	LOCATION NO.						SHEETS
ENTERED BY	S. HECT							
CHECKED BY	T. SIMPSON							
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017	NN				
REGIONAL ADM.	REVISION	DATE		BY				



1 WATTLE INSTALLATION
NOT TO SCALE



2 STORM DRAIN INLET PROTECTION
NOT TO SCALE

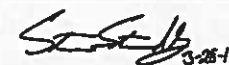
- SPECIFICATIONS**
- FILTERS MINIMUM 24" DEEP
 - CONSTRUCTED OF POLYPROPYLENE
 - ALL SEAMS DOUBLE-STITCHED
 - WATER FLOW RATE - 100 GALLONS PER MINUTE PER SQUARE FOOT
 - REUSABLE OR THROW AWAY
- MAINTENANCE**
- REMOVE WHEN FILLED TO HALF-WAY MARK (USE FRONT LOADER OR OTHER EQUIPMENT FOR REMOVAL)
 - CLEAN AND RE-USE OR REPLACE

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES:

- THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, VEGETATION/LANDSCAPING IS ESTABLISHED AND THE ENTIRE SITE IS STABILIZED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE TESC FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED PRIOR TO AND/OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM OR ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION.
- THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT OR AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN SEDIMENT TRAP.
- ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STORM DRAIN INLET PROTECTION SHALL BE INSTALLED PER WSDOT STD PLAN I-40.20-00.
- WATTLES SHALL BE INSTALLED PER WSDOT STD PLAN I-30.30-01.
- WATTLES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 9-14 (5). INSTALL WATTLES ALONG CONTOURS. INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(10).
- SECURELY KNOT EACH END OF WATTLE. OVERLAP ADJACENT WATTLE ENDS 12" BEHIND ONE ANOTHER AND SECURELY TIE TOGETHER.
- COMPACT EXCAVATED SOIL AND TRENCHES TO PREVENT UNDERCUTTING. ADDITIONAL STAKING MAY BE NECESSARY TO PREVENT UNDERCUTTING.
- INSTALL WATTLE PERPENDICULAR TO FLOW ALONG CONTOURS.
- WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
- PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).
- REFER TO STANDARD SPECIFICATION 8-01.3(16) FOR REMOVAL.
- TO INSTALL ON HARD SURFACES, USE SAND BAG SUPPORTS AT 5' MINIMUM SPACING.
- EROSION AND SEDIMENT CONTROL BMPs INSTALLED IN ALL WORK AREAS MUST NOT IMPEDE ACTIVE PEDESTRIAN PATHWAYS AND SIDE WALKS. REMOVE WATTLES AND SUPPORTING SANDBAGS IMMEDIATELY ONCE THE EXPOSED BARE SOIL IS COVERED AND SEDIMENT LADEN ACTIVITIES ARE COMPLETE IN WORK AREAS.

UTILITY CONTACTS		
UTILITY	CONTACT	PHONE
CITY OF TACOMA - PUBLIC WORKS - STREET LIGHTING	JUSTIN BELK	253-591-5404
CITY OF TACOMA - ENVIRONMENTAL SERVICES - SEWER AND STORM	COREY NEWTON	253-591-5765
TPU - POWER	JOSEPH REMPE	253-502-8290
TPU - WATER	RYAN FLYNN GRANT WHITLEY	253-396-3111 253-502-8746
PUGET SOUND ENERGY - NATURAL GAS	CHERYL PARAS	253-476-6300
TPU - CLICKI	KEN MATHES	253-502-8900
COMCAST	AARON CANTRELL	253-864-4281
CENTURYLINK	DARIUS SPARKS	206-733-8866
SPRINT / NEXTEL	STEVE SHAUER	360-402-4159
AT&T	DAN MCGEOUGH	425-896-9830

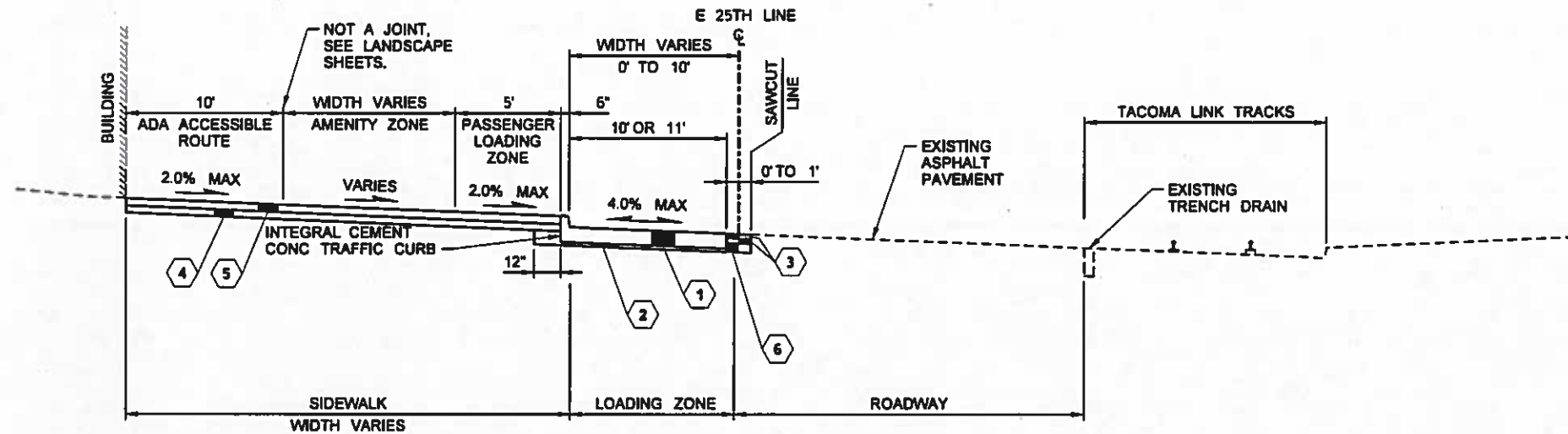
PUBLIC WORKS DEPARTMENT

Approved:  3-28-17
CONSTRUCTION DIVISION

Work Order No.:

Contract 8895
Change Order No. 63
Page 39 of 99

FILE NAME: J:\160232 WSDOT OnCallRailCADD\IVN\SH\Task 6 Station\PCO 002 East 25th\FHS PS_EC_Task6 E25.dgn	TIME: 8:11:58 AM	DATE: 3/21/2017	PLOTTED BY: NelsonE	DESIGNED BY: S. HECT	ENTERED BY: S. HECT	CHECKED BY: T. SIMPSON	PROJ. ENGR.:	REGIONAL ADM.:	REVISION:	DATE:	BY:	REGION NO.:	STATE:	FED.AID PROJ.NO.:	FR-HSR-0017-11-01-06	CONTRACT NO.:	LOCATION NO.:	XL3982	DATE:	P.E. STAMP BOX:	PARSONS BRINCKERHOFF	990 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	Plot 1 PLAN REF NO EC6	SHEET 32 OF 317 SHEETS
---	------------------	-----------------	---------------------	----------------------	---------------------	------------------------	--------------	----------------	-----------	-------	-----	-------------	--------	-------------------	----------------------	---------------	---------------	--------	-------	-----------------	----------------------	--	--	--------------------------------	------------------------------	------------------------------------



E 25TH LINE
STA 21+60 TO STA 27+45
 LOOKING WEST
 NOT TO SCALE

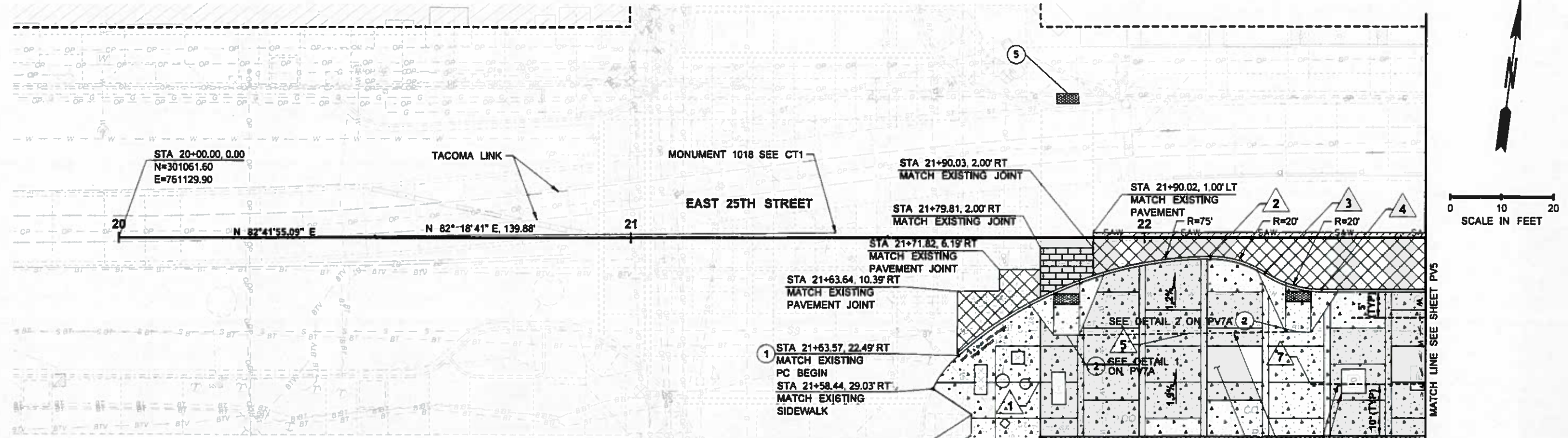
CONSTRUCTION NOTES:

- ① 10" CEMENT CONC PAVEMENT
- ② 2" CRUSHED SURFACING BASE COURSE
- ③ 3" COMMERCIAL HMA
- ④ 4" CRUSHED SURFACING BASE COURSE
- ⑤ 4" CEMENT CONCRETE SIDEWALK
- ⑥ 6" CRUSHED SURFACING BASE COURSE

	PUBLIC WORKS DEPARTMENT	
	Approved:	_____
	CONSTRUCTION DIVISION	
Work Order No.:	_____	

Contract 8895
 Change Order No. 63
 Page 40 of 99

FILE NAME	J:\160232_WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_RS_Task6 E25.dgn			REGION NO.	STATE	FED.AID PROJ.NO.		PARSONS BRINCKERHOFF		TACOMA AMTRAK CASCADES STATION	PLAN REF NO.
TIME	11:47:38 AM			10	WASH	FR-HSR-0017-11-01-06					RS1
DATE	5/22/2017										SHEET
PLOTTED BY	whitshousek										33
DESIGNED BY	G. LINGAM										OF
ENTERED BY	E. NELSON										317
CHECKED BY	Y. RIU	PCO 002/REV 2	05/22/2017	GL	CONTRACT NO.	LOCATION NO.					SHEETS
PROJ. ENGR.		PCO 002 REV 1 - REPLACES ORIG CONTRACT R81	03/21/2017	GL		XL3982					317
REGIONAL ADM.		REVISION	DATE	BY							



POINT DATA		
POINT NO.	STATION, OFFSET	ELEVATION
1	STA 21+79.79, 28.49' RT	55.69
2	STA 22+12.81 PCC, 3.67' RT	54.90
3	STA 22+23.73 PRC, 6.83' RT	55.02
4	STA 22+34.54 PT, 10.00' RT	55.03
5	STA 22+07.43, 18.58' RT	55.61
6	STA 22+07.47, 38.44' RT	55.97
7	STA 22+32.47, 28.40' RT	55.84
8	STA 22+38.46, 38.48' RT	56.06
9	STA 22+43.20, 38.48' RT	56.06

Contract 8895
Change Order No. 63
Page 41 of 99

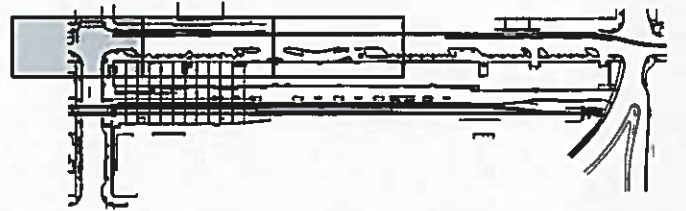
GENERAL NOTES:

1. CURB CALLOUTS ARE AT FACE OF CURB. ELEVATIONS ARE AT FLOW LINE UNLESS NOTED TOP OF CURB (TOC).
2. ADJUST EXISTING UTILITY STRUCTURES TO REMAIN TO FINISHED GRADE AS SHOWN ON THE DRAINAGE AND ELECTRICAL PLANS.
3. MATCH LINES SHALL FOLLOW THE NEAREST EXISTING PAVEMENT JOINT OR SCORE LINE AND CITY OF TACOMA RESTORATION POLICIES. FOR CEMENT CONCRETE PAVEMENT JOINT PLAN AND DOWEL AND TIE BAR PLACEMENT, SEE WSDOT STANDARD PLAN A-40.10-03.
4. SEE LS PLANS FOR SIDEWALK SCORING PATTERN.
5. FOR CURB RAMP DETAILS, SEE DRAWINGS PV7A - PV7B.
6. SEE RS1 FOR SIDEWALK GRADING.
7. SEE PV7A FOR STAMPED TINTED CONCRETE CROSSWALK DETAILS.
8. SEE IRRIGATION DETAILS FOR THE SLEEVES.
9. THICKENED EDGE TO BE CONSTRUCTED USING CEMENT CONCRETE ON ALL RADII. SEE PV7C, NOTE 4.

CONSTRUCTION NOTES:

- 1 INTEGRAL CEMENT CONCRETE TRAFFIC CURB, SEE CITY OF TACOMA STANDARD PLAN NO. SU-03.
- 2 FOR CEMENT CONCRETE CURB RAMP TYPE PERPENDICULAR A, SEE CITY OF TACOMA STANDARD PLAN NO. SU-05A.
- 4 CEMENT CONCRETE SIDEWALK, SEE SHEET PV7C.
- 5 DETECTABLE WARNING SURFACE, SEE CITY OF TACOMA STANDARD PLAN NO. SU-05G.

LEGEND	
	CEMENT CONC. SIDEWALK
	CEMENT CONC. PAVEMENT
	HMA
	10" THICK, STAMPED TINTED CONCRETE CROSSWALK
	DETECTABLE WARNING SURFACE



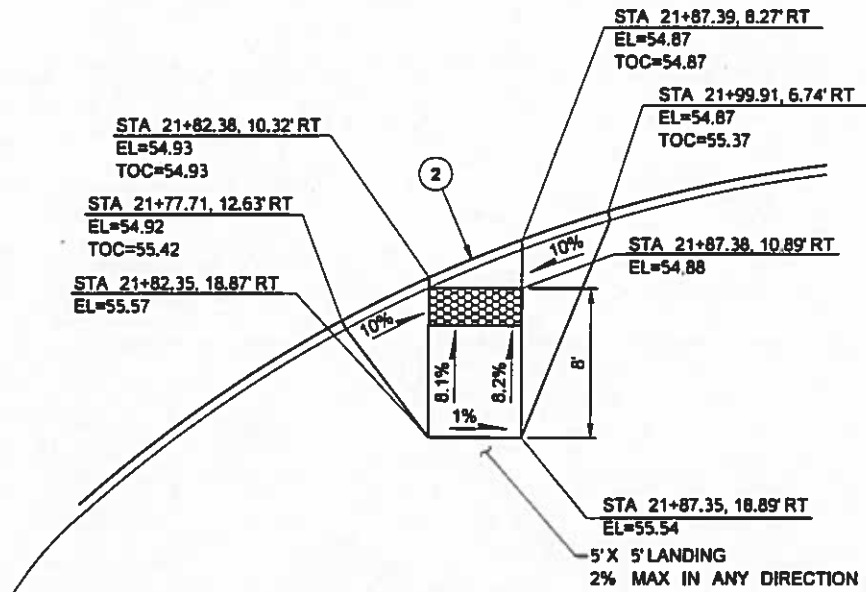
PUBLIC WORKS DEPARTMENT

Approved:

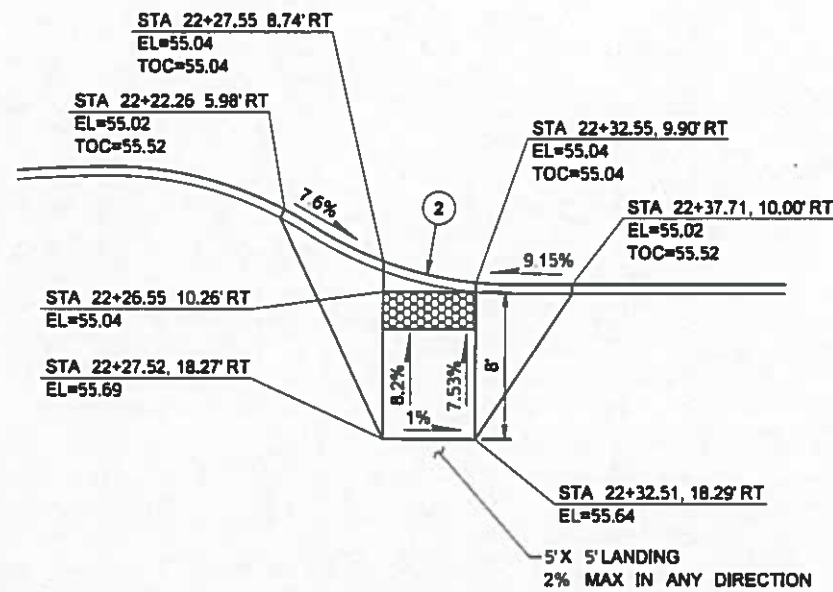
Tacoma CONSTRUCTION DIVISION

Work Order No.:

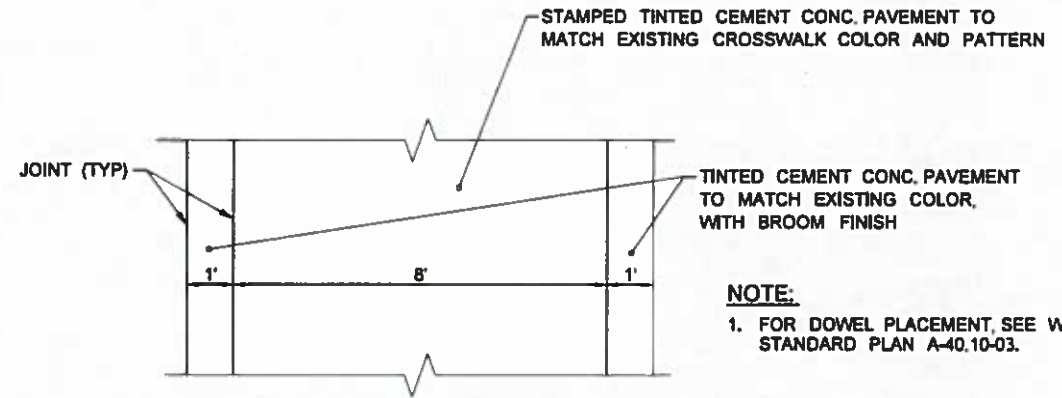
FILE NAME	J:\160232 WSDOT OnCall\RA\ICADD\CV\NSHT\Task 6 Station\PCO 002 East 25th\FHS PS_PV_Task6 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.		PARSONS BRINCKERHOFF		TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	3:17:49 PM	10	WASH	FR-HSR-0017-11-01-06					PV4
DATE	3/21/2017	JOB NUMBER		LOCATION NO.		999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200	Washington State Department of Transportation	PAVING PLAN	SHEET
PLOTTED BY	NelsonE	CONTRACT NO.		XL3982					38
DESIGNED BY	G. LINGAM	DATE							OF
ENTERED BY	K. WHITEHOUSE	BY						317	
CHECKED BY	Y. RIU							SHEETS	
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT PV4								
REGIONAL ADM.	REVISION								



DETAIL 1
SCALE: 1"=10'

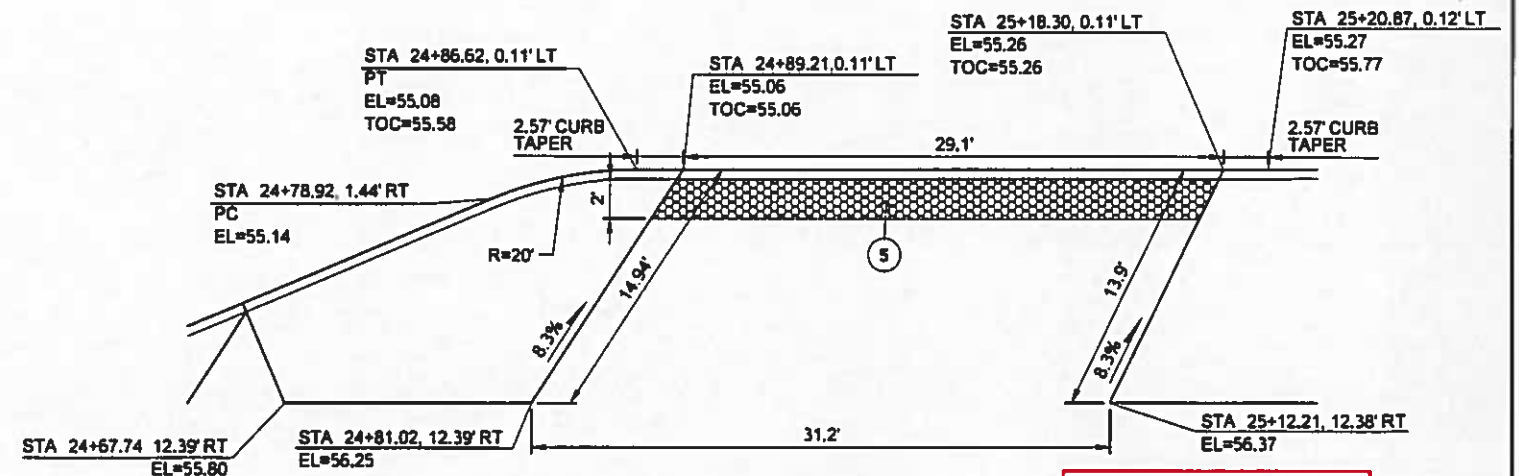


DETAIL 2
SCALE: 1"=10'



STAMPED TINTED CONCRETE SIDEWALK
NOT TO SCALE

NOTE:
1. FOR DOWEL PLACEMENT, SEE WSDOT STANDARD PLAN A-40.10-03.



DETAIL 3
SCALE: 1"=10'

Contract 8895
Change Order No. 63
Page 44 of 99

CONSTRUCTION NOTES:

- ② FOR CEMENT CONCRETE CURB RAMP TYPE PERPENDICULAR A, SEE CITY OF TACOMA STANDARD PLAN NO. SU-05A.
- ⑤ DETECTABLE WARNING SURFACE, SEE CITY OF TACOMA STANDARD PLAN NO. SU-05G.

LEGEND

DETECTABLE WARNING SURFACE

PUBLIC WORKS DEPARTMENT

Approved: 03-28-17

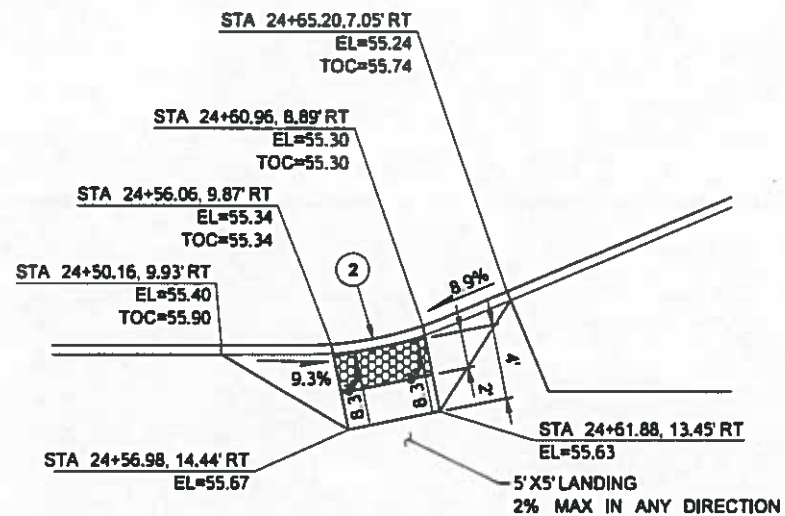
Tacoma CONSTRUCTION DIVISION

Work Order No.:

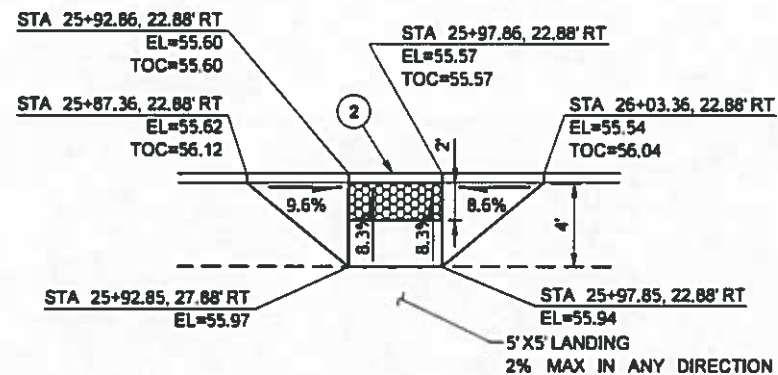
GENERAL NOTES:

- 1. CURB CALLOUTS ARE AT FACE OF CURB. ELEVATIONS ARE AT FLOW LINE UNLESS NOTED TOP OF CURB (TOC).

FILE NAME	J:\160232 WSDOT OnCallRail\CADD\CIVSH\Task 6 Station\PCO 002 East 25th\FHS P3_PVD_Task6 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.	PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	12:05:01 PM	10	WASH	FR-HSR-0017-11-01-06				PV7A
DATE	3/21/2017	JOB NUMBER		LOCATION NO.				SHEET
PLOTTED BY	NelsonE	CONTRACT NO.		XL3982				41A
DESIGNED BY	G. LINGAM							OF
ENTERED BY	E. NELSON							317
CHECKED BY	Y. RIU							SHEETS
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017	BY	GL			
REGIONAL ADM.	REVISION							



DETAIL 8
SCALE: 1"=10'



DETAIL 9
SCALE: 1"=10'

Contract 8895
Change Order No. 63
Page 45 of 99

PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17

CONSTRUCTION DIVISION

Work Order No.:

GENERAL NOTES:

- CURB CALLOUTS ARE AT FACE OF CURB. ELEVATIONS ARE AT FLOW LINE UNLESS NOTED TOP OF CURB (TOC).

CONSTRUCTION NOTES:

- FOR CEMENT CONCRETE CURB RAMP TYPE PERPENDICULAR A, SEE CITY OF TACOMA STANDARD PLAN NO. SU-05A.

LEGEND

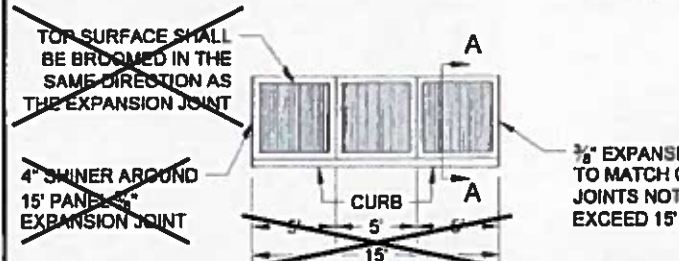
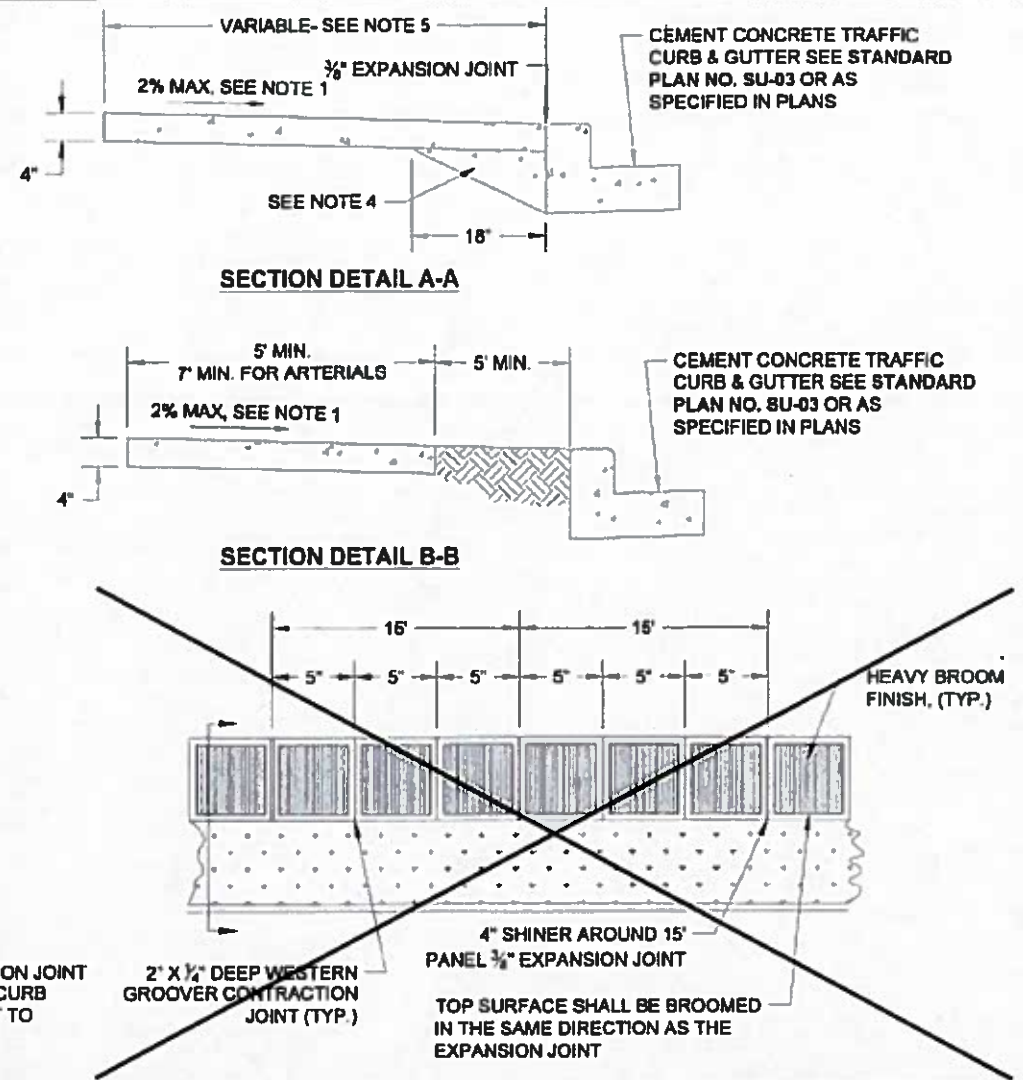
DETECTABLE WARNING SURFACE

FILE NAME	J:\160232 WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_PVD_Task6 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.		PARSONS BRINCKERHOFF		TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	12:09:50 PM	10	WASH	FR-HSR-0017-11-01-06					PV7B
DATE	3/21/2017								SHEET
PLOTTED BY	NelsonE								41B
DESIGNED BY	G. LINGAM								OF
ENTERED BY	E. NELSON								317
CHECKED BY	Y. RIJU								SHEETS
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	03/21/2017	GL	LOCATION NO.					
REGIONAL ADM.	REVISION	DATE	BY	XL3982					

PAVING DETAILS

NOTES:

- Sidewalks shall be designed and constructed in accordance with 2010 ADA Standards, 28 CFR, Part 35 and as supplemented by the Public Right of Way Accessibility Guidelines (PROWAG). City of Tacoma prefers sidewalk cross slopes to be designed to a maximum of 1.5% and a minimum of 1.0%
- When placing walk adjacent to existing curb and gutter, curb and gutter will be repaired as necessary before placing concrete forms for walk.
- Staking is required where no curb is present.
- Thickened edge shall be constructed using cement concrete on all radii. All other locations shall be backfilled and compacted.
- Combination walk shall be 7' min. on all commercial sites and arterial streets. Combination walk shall be a minimum of 5' on non arterial streets. Dimensions are from back of curb to back of walk. See contract plans for width and placement of sidewalk.
- All expansion joints shall be full depth with 3/8" premolded joint filler.
- All joints shall be cleaned and edged. External edges shall be 1/2" radius. Internal joints shall be 1/4" radius.
- All soft and yielding foundation material shall be removed and replaced with crushed surfacing top course (CSTC) per Section 9-03.9(3) of the WSDOT Standard Specifications.
- All sidewalk shall be replaced to the nearest expansion or contraction joint. All joints shall be saw cut full depth prior to restoration and 3/8" expansion joint installed. Cutting wheel run-out beyond the limits of the opening shall be filled in accordance with WSDOT Standard Specification 5-05.3(8)B for cement concrete surfaces and 5-04.3(5)C for asphalt concrete surfaces.
- For sidewalks within the North Slope Historical District area use Standard Plan HD-NS01. See Standard Plan HD-NS01 for North Slope Historic District site map.



<p>DCS PUBLIC WORKS</p> <p>NA TACOMA POWER</p>	<p>REVIEWED BY GMS</p> <p>ENVIRONMENTAL SERVICES NA</p> <p>TACOMA WATER</p>		<p>APPROVED FOR PUBLICATION</p> <p><i>[Signature]</i> 8/10/16 CITY ENGINEER DATE</p>	<p>CITY OF TACOMA</p> <p>CEMENT CONCRETE SIDEWALK</p> <p>STANDARD PLAN NO. SU-04</p>
--	--	--	--	--

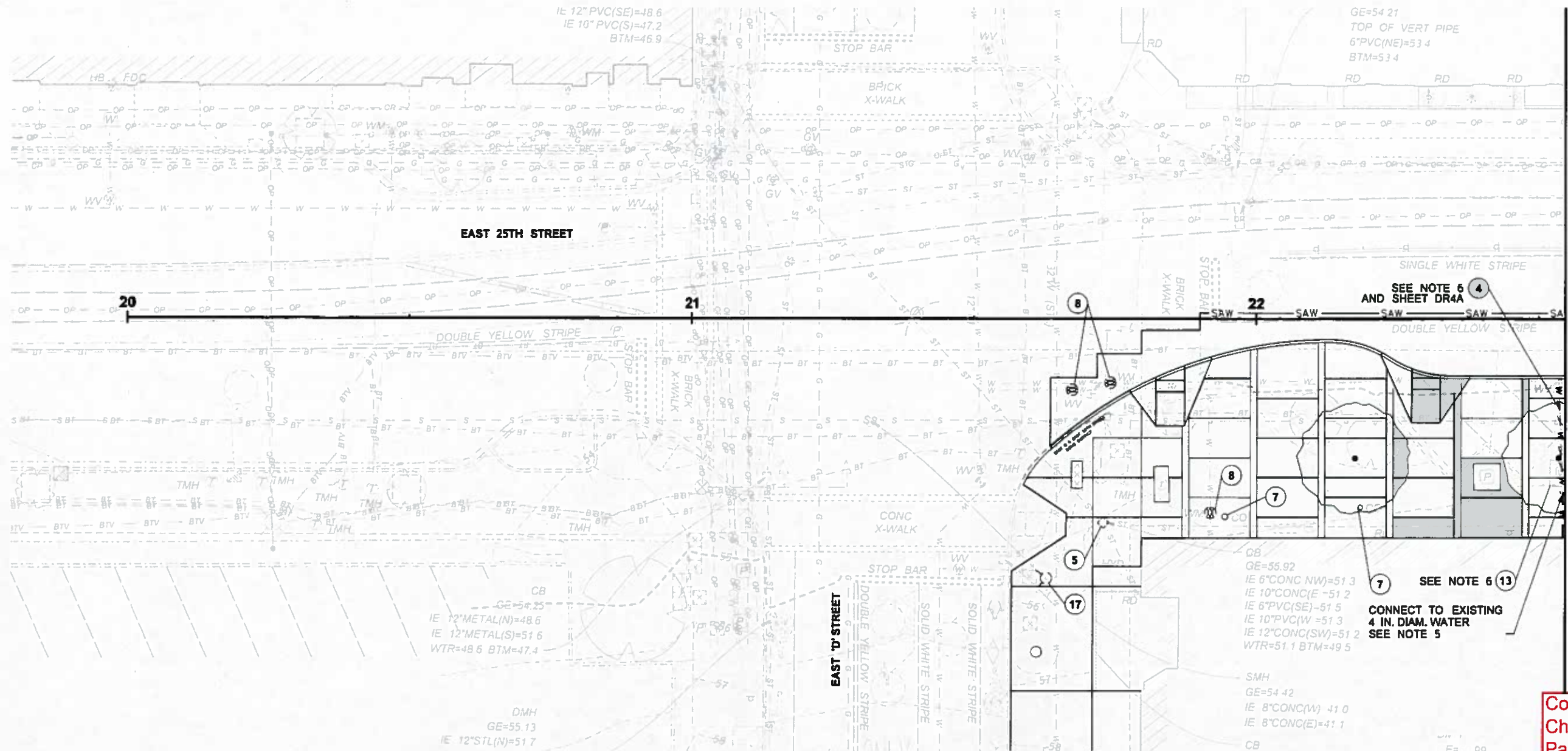
PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:

Contract 8895
Change Order No. 63
Page 46 of 99

FILE NAME: J:\160232_WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS P8_PVD_Task6_E25.dgn	TIME: 3:44:46 PM	DATE: 3/20/2017	PLOTTED BY: NelsonE	DESIGNED BY: G. LINGAM	ENTERED BY: E. NELSON	CHECKED BY: Y. RIU	PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET	03/21/2017	GL	DATE	BY	REVISION
REGION NO. 10	STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982		<p>PARSONS BRINCKERHOFF</p> <p>990 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200</p>		<p>TACOMA AMTRAK CASCADES STATION</p> <p>PAVING DETAILS</p>	<p>PLAN REF NO PV7C</p> <p>SHEET 41C OF 317 SHEETS</p>			



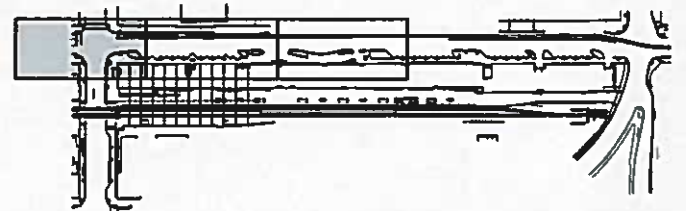
Contract 8895
Change Order No. 63
Page 47 of 99

NOTES:

1. SEE SHEET DD1 FOR WATER METER BOX DETAIL
2. SEE SHEET DD2 FOR INLINE CATCH BASIN DETAIL
3. SEE PAVING PLANS FOR PAVEMENT RESTORATION LIMITS.
4. FIELD VERIFY EXISTING CROSSING AND NOTIFY THE ENGINEER OF UTILITY ELEVATION.
5. CONNECT WATER SERVICE CONNECTION TO EXISTING WATER SERVICE CONNECTION COORDINATE CONNECTION SUCH THAT WATER SERVICE TO BUILDING DURING NORMAL HOURS OF OPERATIONS ARE MAINTAINED.
6. COORDINATE WITH TACOMA WATER TO SCHEDULE THE RETIREMENT AND THE INSTALLATION OF WATER SERVICE CONNECTIONS. CONTACT FRANK SINGLETARY AT PHONE NUMBER (253) 396-3057. TACOMA WATER TO INSTALL THE METER AND THE PIPE FROM THE METER TO THE WATER MAIN. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE PROPERTY SIDE PIPE AND MAKING THE CONNECTION TO THE METER.
7. ALL JOINTS SHALL BE RESTRAINED OR FLANGED. MECHANICAL JOINT PIPE SHALL BE RESTRAINED WITH MECHANICAL JOINT WEDGE ACTION RESTRAINING GLANDS, BELL AND SPIGOT JOINTS SHALL BE RESTRAINED WITH STAINLESS STEEL LOCKING SEGMENTS.

CONSTRUCTION NOTES:

- 4 TACOMA WATER TO REMOVE EXISTING WATER SERVICE AND PLUG EXISTING CONNECTION AT WATER MAIN
- 5 ADJUST AND REPLACE EXISTING ACCESS COVER WITH NON-SLIP LID
- 7 ADJUST CLEANOUT
- 8 ADJUST VALVE BOX
- 13 TACOMA WATER TO REMOVE WATER VAULT
- 17 PROTECT FIRE HYDRANT

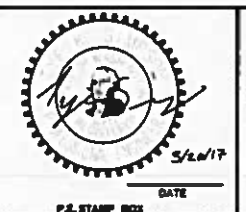


PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3/28/17
CONSTRUCTION DIVISION

Work Order No.:

FILE NAME	J:\160232 WSDOT_OnCallRainCADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS DR Task6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06
TIME	3:07:08 PM	JOB NUMBER	16X330	CONTRACT NO.		LOCATION NO.	XL3982
DATE	3/20/2017	REVISION	PCO 002 REV 1 - REPLACES ORIG CONTRACT DR4	DATE	03/21/2017	BY	NW
PLOTTED BY	NelsonE						
DESIGNED BY	S. HECT						
ENTERED BY	S. HECT						
CHECKED BY	T. SIMPSON						
PROJ. ENGR.							
REGIONAL ADM.							



PARSONS BRINCKERHOFF

999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-5200

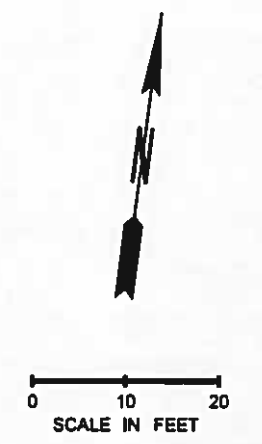
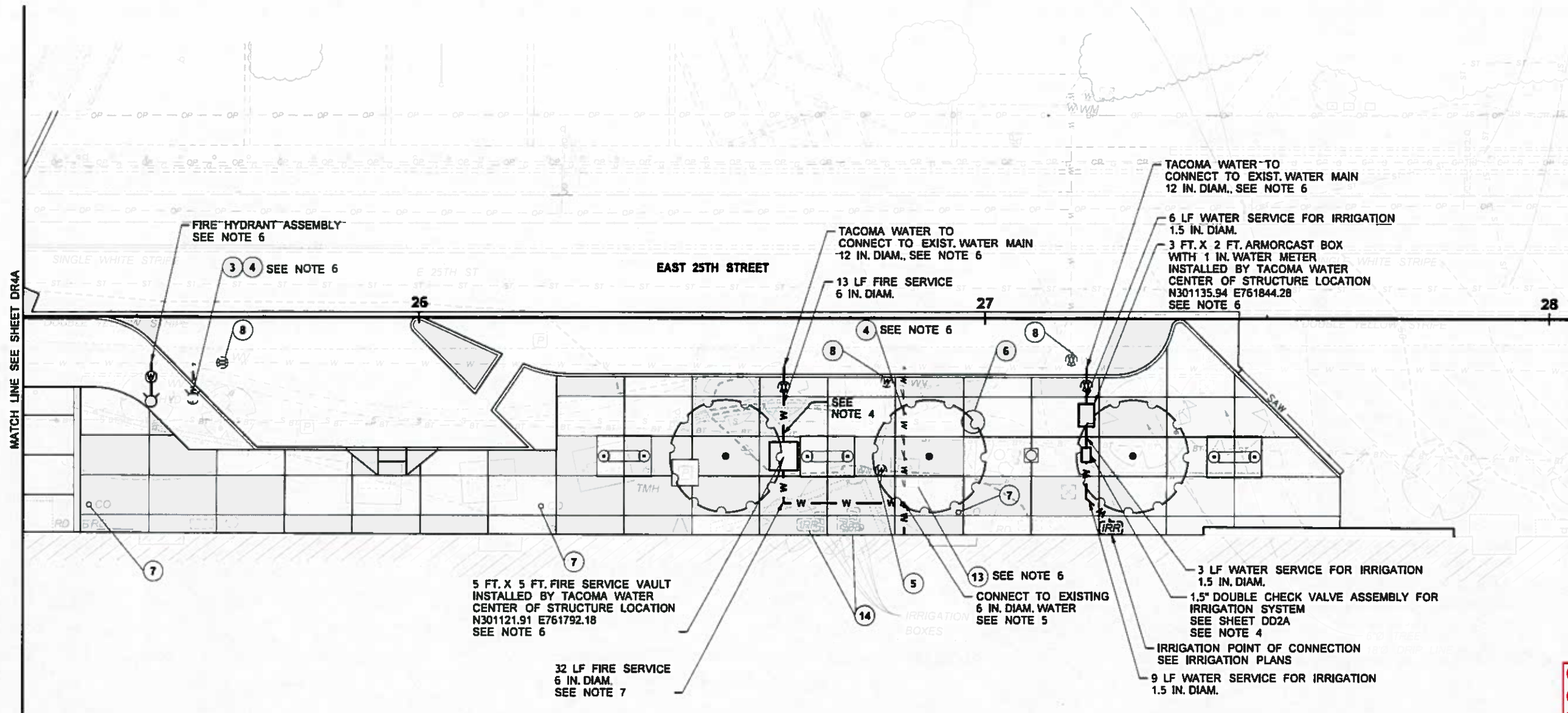
Washington State Department of Transportation

TACOMA AMTRAK CASCADES STATION

DRAINAGE AND UTILITY PLAN

PLAN REF NO: DR4

SHEET 45 OF 317 SHEETS



NOTES:

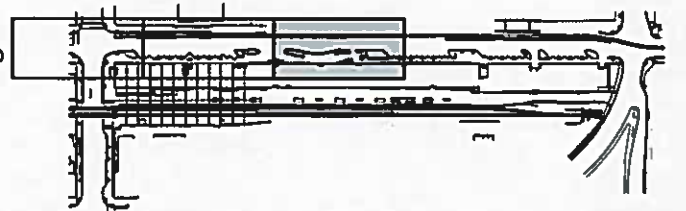
1. SEE SHEET DD1 FOR WATER METER BOX DETAIL.
2. SEE SHEET DD2 FOR INLINE CATCH BASIN DETAIL.
3. SEE PAVING PLANS FOR PAVEMENT RESTORATION LIMITS.
4. FIELD VERIFY EXISTING CROSSING AND NOTIFY THE ENGINEER OF UTILITY ELEVATION.
5. CONNECT WATER SERVICE CONNECTION TO EXISTING WATER SERVICE CONNECTION COORDINATE CONNECTION SUCH THAT WATER SERVICE TO BUILDING DURING NORMAL HOURS OF OPERATIONS ARE MAINTAINED.

CONSTRUCTION NOTES:

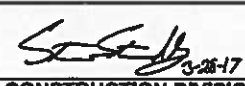
6. COORDINATE WITH TACOMA WATER TO SCHEDULE THE RETIREMENT AND THE INSTALLATION OF WATER SERVICE CONNECTIONS. CONTACT FRANK SINGLETARY AT PHONE NUMBER (253) 396-3057. TACOMA WATER TO INSTALL THE METER AND THE PIPE FROM THE METER TO THE WATER MAIN. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE PROPERTY SIDE PIPE AND MAKING THE CONNECTION TO THE METER.
7. ALL JOINTS SHALL BE RESTRAINED OR FLANGED. MECHANICAL JOINT PIPE SHALL BE RESTRAINED WITH MECHANICAL JOINT WEDGE ACTION RESTRAINING GLANDS, BELL AND SPIGOT JOINTS SHALL BE RESTRAINED WITH STAINLESS STEEL LOCKING SEGMENTS.
3. TACOMA WATER TO REMOVE FIRE HYDRANT ASSEMBLY
4. TACOMA WATER TO REMOVE EXISTING WATER SERVICE AND PLUG EXISTING CONNECTION AT WATER MAIN
5. ADJUST AND REPLACE EXISTING ACCESS COVER WITH NON-SLIP LID
6. ADJUST MANHOLE

7. ADJUST CLEANOUT
8. ADJUST VALVE BOX TO GRADE
13. TACOMA WATER TO REMOVE WATER VAULT
14. REMOVE IRRIGATION BOXES AND COORDINATE WITH TACOMA WATER TO RETIRE SERVICE SEE IRRIGATION PLANS

Contract 8895
Change Order No. 63
Page 49 of 99





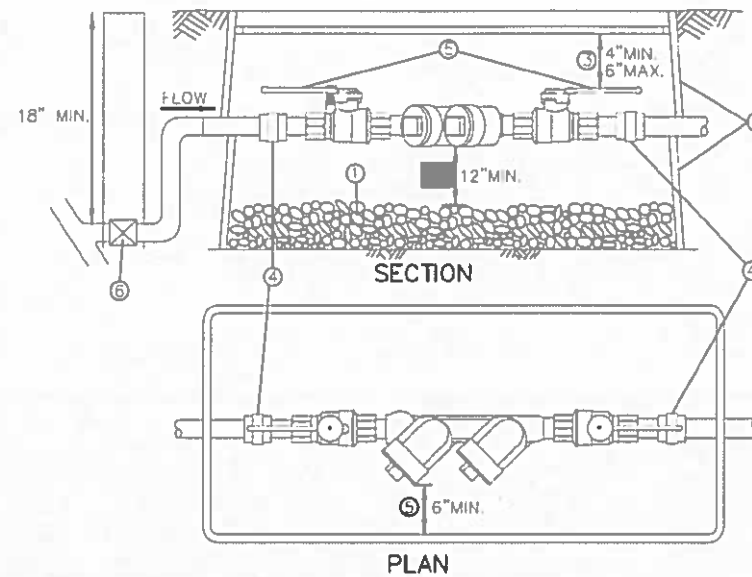
PUBLIC WORKS DEPARTMENT

Approved:  3-28-17

CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\160212_WSDOT_OnCallRail\CADD\GNV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_DR_Task6_E25.dgn		REGION NO. 10		STATE WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06		 <p>PARSONS BRINCKERHOFF</p> <p>999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-8200</p>	 <p>Washington State Department of Transportation</p>	TACOMA AMTRAK CASCADES STATION		Plot 6
TIME: 3:08:58 PM	DATE: 3/29/2017	DESIGNED BY: NelsonE	ENTERED BY: S. HECT	CHECKED BY: T. SIMPSON	PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET	03/21/2017			XX	LOCATION NO. XL3982	DRAINAGE AND UTILITY PLAN
<p>REVISION: _____ DATE: _____ BY: _____</p>												SHEET 45B OF 317 SHEETS



- ① 1" ROUND WASHED GRAVEL BY 6" DEEP ON BOTTOM OF BOX
- ② ENCLOSE 2" & SMALLER D.C.V.A IN TWO METER BOXES STACKED ON TOP OF EACH OTHER OR, OVERSIZED BOX. MUST HAVE REMOVABLE COVER. BOXES TO BE LOCATED IN SIDEWALK AND AREAS WITH VEHICULAR TRAFFIC SHALL BE METAL, EQUAL TO OLYMPIC FOUNDRY SM30. BOXES IN OTHER NON-TRAFFIC AREAS TO BE CARSON INDUSTRIES 1730-18 BCFXL METER BOX WITH 1730 COVER
- ③ MAXIMUM OF 6" DISTANCE BETWEEN UNDERSIDE OF LID AND HIGHEST POINT OF DEVICE.
- ④ (2) UNIONS.
- ⑤ WHEN TEST-COCKS ARE FACING SIDEWAYS THERE MUST BE A 6" MIN. CLEARANCE BETWEEN THEM AND SIDE OF BOX.
- ⑥ PER PLUMBING CODE REQUIREMENT, IRRIGATION SYSTEMS MUST HAVE SHUT OFF INSTALLED AS SHOWN. FEMALE FITTINGS ARE PROHIBITED IN CONJUNCTION WITH METALLIC MALE FITTINGS.

NOTES:

1. ALL INSTALLATIONS MUST MEET MINIMUM STANDARDS OF THE UNIFORM PLUMBING CODE AND WSDOH APPROVED INSTALLATIONS LIST
2. TESTING IS REQUIRED BY A WASHINGTON STATE DEPARTMENT OF HEALTH CERTIFIED BACKFLOW ASSEMBLY TESTER UPON INSTALLATION AND ANNUALLY THEREAFTER. ASSEMBLY TO BE MAINTAINED BY OWNER.

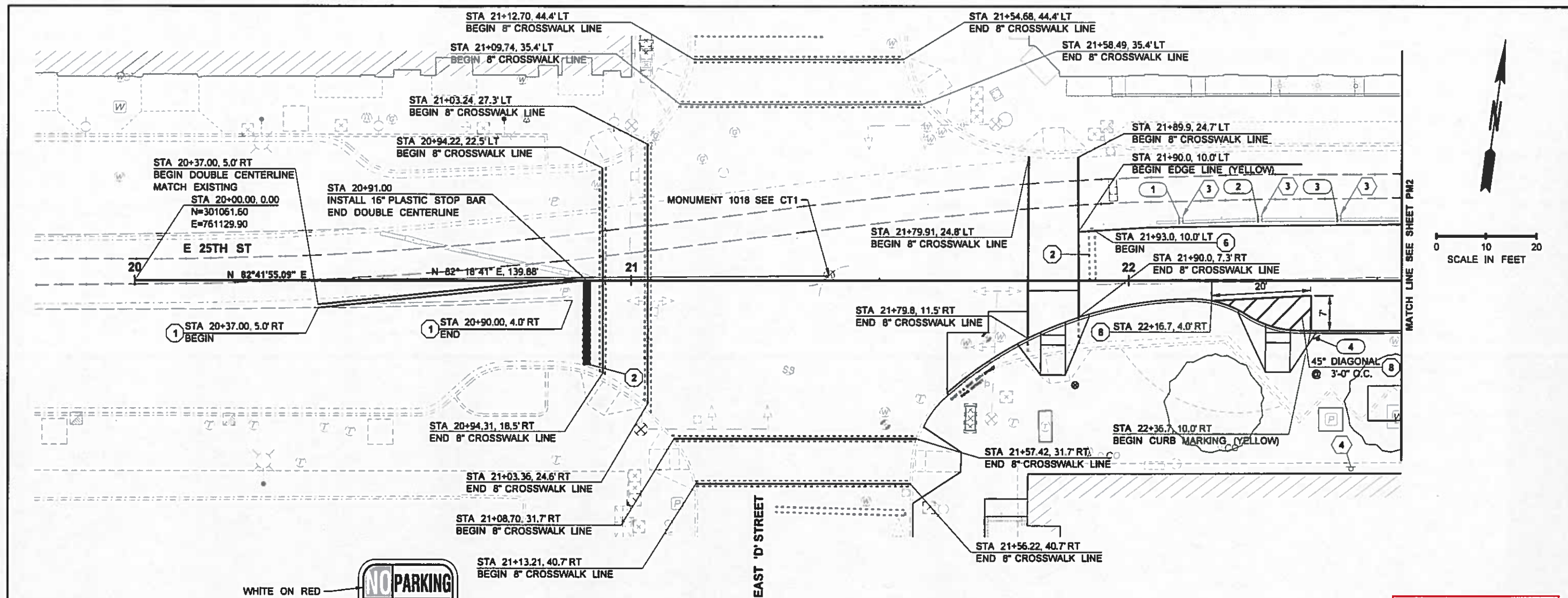
1.5" DOUBLE CHECK VALVE ASSEMBLY

1

	PUBLIC WORKS DEPARTMENT
	Approved: <i>[Signature]</i> 3-28-17 CONSTRUCTION DIVISION
Work Order No.:	

Contract 8895
 Change Order No. 63
 Page 50 of 99

FILE NAME	J:\160232 WSDOT OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS_PS_DD_Task6 E25.dgn				PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	3:05:22 PM	REGION NO.	STATE					FED.AID PROJ.NO.
DATE	3/20/2017	10	WASH	FR-HSR-0017-11-01-06	SHEET 47A OF 317 SHEETS			
PLOTTED BY	NelsonE	JOB NUMBER	16X330	LOCATION NO.				
DESIGNED BY	S. HECT	CONTRACT NO.		XL3982				
ENTERED BY	S. HECT							
CHECKED BY	T. SIMPSON							
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017					
REGIONAL ADM.	REVISION	DATE	BY					



PAVEMENT MARKING CONSTRUCTION NOTES:

- ① REMOVE EXISTING DOUBLE CENTERLINE
- ② REMOVE EXISTING STOP LINE
- ⑥ REMOVE EXISTING WIDE LANE LINE
- ⑧ INSTALL 4" WIDE WHITE THERMOPLASTIC LINE

SIGN INSTALLATION / REMOVAL NOTES:

- ③ REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA. REUSE EXISTING POST FOR NEW SIGN.



R7-TSL (MOD)
NOT TO SCALE

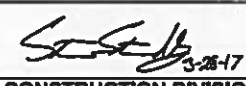
SIGN #	SIGN CODE*	SIGN DESCRIPTION	STA LOCATION (OR MP)	SIGN SIZE		SHEETING TYPE	POST MATERIAL	POST SIZE	CLEARANCE		REMARKS
				X	Y				V	W	
①	OM3L	TYPE 3 OBJECT MARKER	STA 22+10.5	**	**	IV	EXISTING	-	-	-	-
②	OM3L	TYPE 3 OBJECT MARKER	STA 22+26.4	**	**	IV	EXISTING	-	-	-	-
③	OM3L	TYPE 3 OBJECT MARKER	STA 22+42.3	**	**	IV	EXISTING	-	-	-	-
④	R7-TSL (MOD)**	NO PARKING TAXI STAND	STA 22+36.7	12"	18"	IV	PSST	2' SQ	7'	2'	MOUNT AT 45° TO CURB FACE SEE SIGN DETAIL THIS SHEET

* SIGN CODES ARE FROM THE 2009 MUTCD.
 ** SIGN SIZE AND SHAPE SHALL MATCH EXISTING.
 *** CITY OF TACOMA SIGN CODE

GENERAL NOTES:

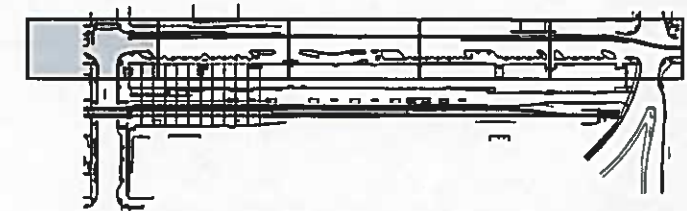
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL INCLUDE REMOVAL OF RAISED PAVEMENT MARKERS ON THE PAVEMENT MARKING.




PUBLIC WORKS DEPARTMENT

Approved:  3-28-17

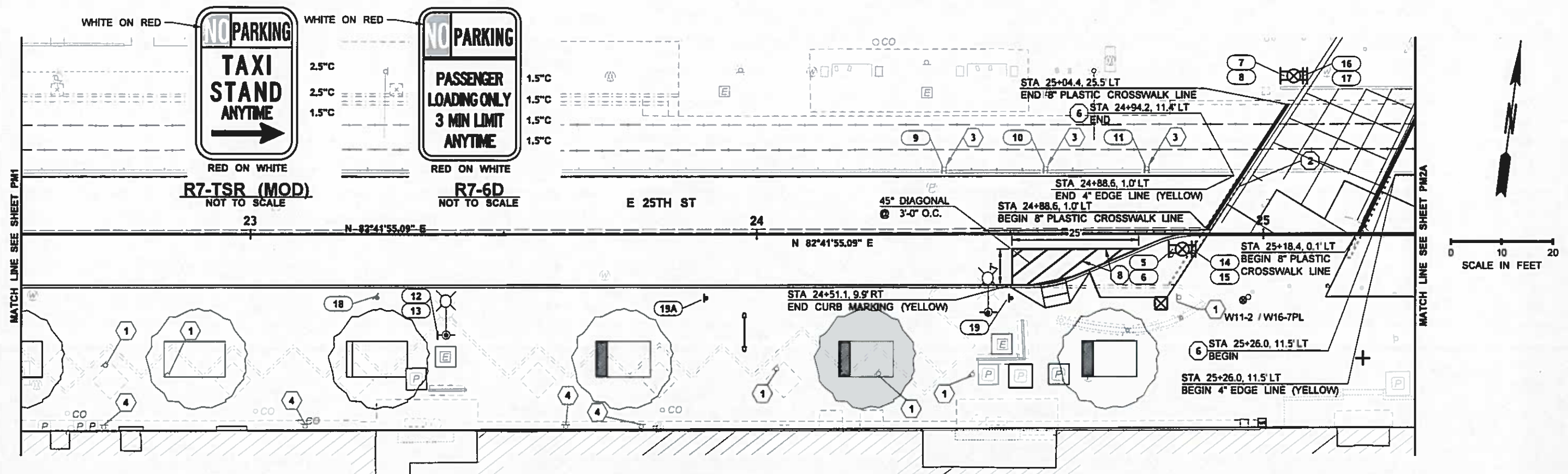
CONSTRUCTION DIVISION

Work Order No.:



FILE NAME	J:\160232_WSDOT_OnCallR&C\CADD\CIV\SHIT\Task 6 Station\PCO 002 East 25th\FHS_PS_PM_Task5 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.				TACOMA AMTRAK CASCADES STATION	PLAN REF NO
TIME	1:37:14 PM	10	WASH	FR-HSR-0017-11-01-05					317
DATE	3/21/2017	JOB NUMBER		XL3982				52	
PLOTTED BY	NelsonE	CONTRACT NO.						OF	
DESIGNED BY	J. NAKAMOTO	LOCATION NO.						317	
ENTERED BY	E. NELSON							SHEETS	
CHECKED BY	L. GUAN								
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT1PM1	DATE	03/21/2017	JN					
REGIONAL ADM.	REVISION	BY							

Contract 8895
 Change Order No. 63
 Page 51 of 99



- GENERAL NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL INCLUDE REMOVAL OF RAISED PAVEMENT MARKERS ON THE PAVEMENT MARKING.
 - LONGITUDINAL PAVEMENT MARKINGS SHALL INCLUDE RAISED PAVEMENT MARKERS (RPMs) INSTALLED PER CITY OF TACOMA STD PLAN NO. CH-03A. COLOR OF RPMs SHALL MATCH COLOR OF PAVEMENT MARKING.
 - PERFORATED SQUARE STEEL TUBE (PSST) POSTS SHALL BE SURFACE MOUNTED IN ACCORDANCE WITH CITY OF TACOMA STD PLAN SU-34.

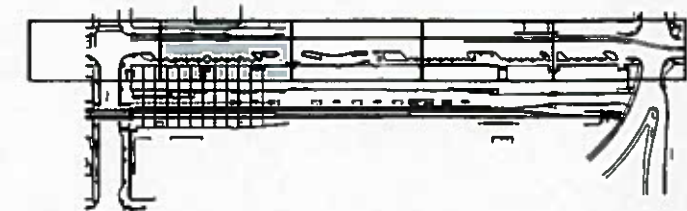
- PAVEMENT MARKING CONSTRUCTION NOTES:**
- REMOVE EXISTING CROSSWALK LINE
 - REMOVE EXISTING WIDE LANE LINE
 - INSTALL 4" WIDE WHITE THERMOPLASTIC LINE

SIGN #	SIGN CODE*	SIGN DESCRIPTION	LOCATION	SIGN SIZE		SHEETING TYPE	POST MATERIAL	POST SIZE	CLEARANCE		REMARKS
				X	Y				V	W	
5	W11-2L	PEDESTRIAN	POLE A (SEE TS1)	30"	30"	IV	SIGNAL POLE	-	8'	-	MOUNT ABOVE RRFB UNIT
6	W16-7PL	DOWNWARD DIAGONAL ARROW (LEFT)	POLE A (SEE TS1)	24"	12"	IV	SIGNAL POLE	-	7'	-	MOUNT BELOW RRFB UNIT
7	W11-2R	PEDESTRIAN	POLE B (SEE TS1)	30"	30"	IV	SIGNAL POLE	-	8'	-	MOUNT ABOVE RRFB UNIT
8	W16-7PR	DOWNWARD DIAGONAL ARROW (RIGHT)	POLE B (SEE TS1)	24"	12"	IV	SIGNAL POLE	-	7'	-	MOUNT BELOW RRFB UNIT
9	OM3-L	TYPE 3 OBJECT MARKER	STA 24+37	**	**	IV	EXISTING	-	-	-	-
10	OM3-L	TYPE 3 OBJECT MARKER	STA 24+57	**	**	IV	EXISTING	-	-	-	-
11	OM3-L	TYPE 3 OBJECT MARKER	STA 24+77	**	**	IV	EXISTING	-	-	-	-
12	W11-2	PEDESTRIAN	STA 23+37	30"	30"	IV	LIGHT POLE	-	9'	-	-
13	W16-9P	AHEAD	STA 23+37	24"	12"	IV	LIGHT POLE	-	8'	-	MOUNT BELOW SIGN 12
14	W11-2R	PEDESTRIAN	POLE A (SEE TS1)	30"	30"	IV	SIGNAL POLE	-	7.5'	-	MOUNT ABOVE RRFB UNIT
15	W16-7PR	DOWNWARD DIAGONAL ARROW (RIGHT)	POLE A (SEE TS1)	24"	12"	IV	SIGNAL POLE	-	7'	-	MOUNT BELOW RRFB UNIT
16	W11-2L	PEDESTRIAN	POLE B (SEE TS1)	30"	30"	IV	SIGNAL POLE	-	7.5'	-	MOUNT ABOVE RRFB UNIT
17	W16-7PL	DOWNWARD DIAGONAL ARROW (LEFT)	POLE B (SEE TS1)	24"	12"	IV	SIGNAL POLE	-	7.5'	-	MOUNT BELOW RRFB UNIT
18	R7-TSR (MOD)**	NO PARKING TAXI STAND	STA 23+25	12"	18"	IV	PSST	2" SQ	7'	2'	MOUNT AT 45° TO CURB FACE SEE SIGN DETAIL THIS SHEET
19	R7-6D**	NO PARKING PASSENGER LOADING ONLY	STA 24+50	12"	18"	IV	PSST	2" SQ	7'	2'	SEE SIGN DETAIL THIS SHEET
19A	R7-6D**	NO PARKING PASSENGER LOADING ONLY	STA 23+90	12"	18"	IV	PSST	2" SQ	7'	2'	SEE SIGN DETAIL THIS SHEET

* SIGN CODES ARE FROM THE 2009 MUTCD OR WSDOT SIGN FABRICATION MANUAL EXCEPT AS NOTED.
 ** SIGN SIZE AND SHAPE SHALL MATCH EXISTING.
 *** CITY OF TACOMA SIGN CODE.

Contract 8895
 Change Order No. 63
 Page 52 of 99

- SIGN INSTALLATION / REMOVAL NOTES:**
- REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA. REMOVE SIGN POST.
 - REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA. REUSE EXISTING POST FOR NEW SIGN.
 - REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA.

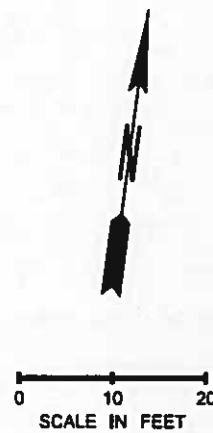
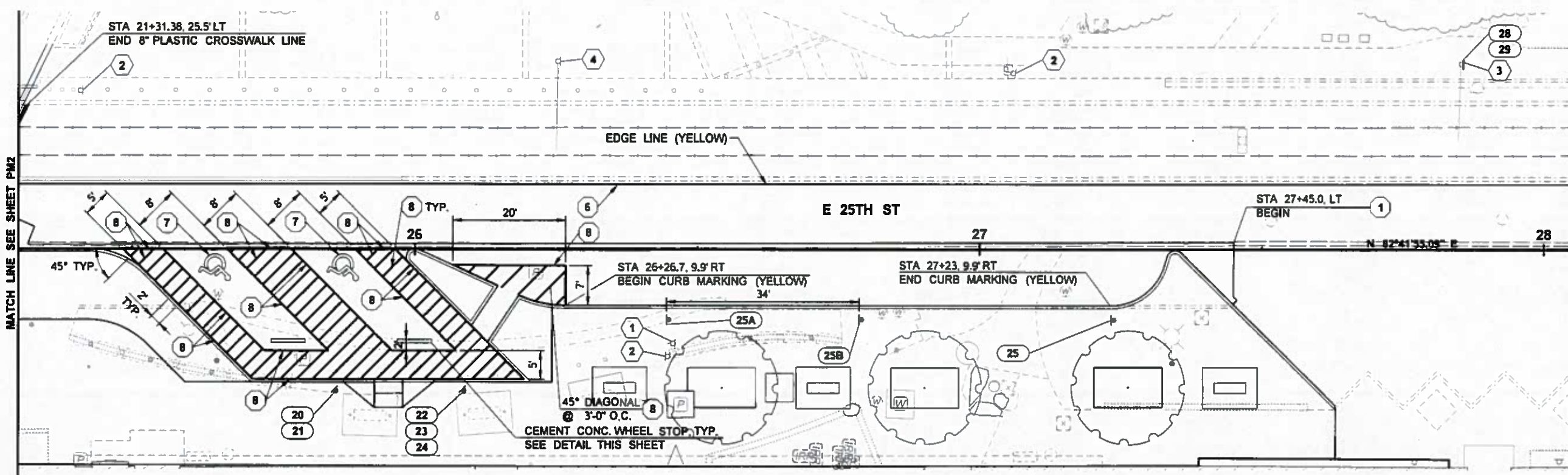


PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
 CONSTRUCTION DIVISION

Work Order No.:

FILE NAME	J:\160232_WSDOT_OnCallRailCADD\CV\SH\Task 6 Station\PCO 002 East 25th\FHS PS PM Task 6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-4200		TACOMA AMTRAK CASCADES STATION	Plot 5 PLAN REF NO PM2
TIME	4:31:34 PM	JOB NUMBER	16X330	CONTRACT NO.	PCO 002 REV 1 - REPLACES ORIG CONTRACT PM2	LOCATION NO.	XL3982				Washington State Department of Transportation	SIGNING AND PAVEMENT MARKING PLAN



GENERAL NOTES:

- ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL INCLUDE REMOVAL OF RAISED PAVEMENT MARKERS ON THE PAVEMENT MARKING.
- LONGITUDINAL PAVEMENT MARKINGS SHALL INCLUDE RAISED PAVEMENT MARKERS (RPMs) INSTALLED PER CITY OF TACOMA STD PLAN NO CH-03A. COLOR OF RPMs SHALL MATCH COLOR OF PAVEMENT MARKING.
- PERFORATED SQUARE STEEL TUBE (PSST) POSTS SHALL BE SURFACE MOUNTED IN ACCORDANCE WITH CITY OF TACOMA STD PLAN SU-34.
- DELIVER ALL SALVAGED SIGNS TO THE CITY OF TACOMA UNLESS SIGNS ARE TO BE REINSTALLED.

SIGN #	SIGN CODE*	SIGN DESCRIPTION	STA LOCATION	SIGN SIZE		SHEETING TYPE	POST MATERIAL	POST SIZE**	CLEARANCE		REMARKS
				X	Y				V	W	
20	R7-801 (MOD)	DISABILITY PARKING	STA 25+86	12"	18"	IV	PSST	2" SQ	7.5'	2'	SEE SIGN DETAIL THIS SHEET MOUNT BELOW SIGN 20 SEE SIGN DETAIL THIS SHEET
21	R7-801A (MOD)	\$450 FINE	STA 25+86	12"	6"	IV	-	-	7'	-	SEE SIGN DETAIL THIS SHEET
22	R7-801 (MOD)	DISABILITY PARKING	STA 26+09	12"	18"	IV	PSST	2" SQ	8'	2'	SEE SIGN DETAIL THIS SHEET
23	R7-801A	VAN ACCESSIBLE	STA 26+09	12"	6"	IV	-	-	7.5'	-	MOUNT BELOW SIGN 22 SEE SIGN DETAIL THIS SHEET
24	R7-801A (MOD)	\$450 FINE	STA 26+09	12"	6"	IV	-	-	7'	-	MOUNT BELOW SIGN 23 SEE SIGN DETAIL THIS SHEET
25	R7-6D***	NO PARKING PASSENGER LOADING ONLY	STA 27+23	12"	18"	IV	PSST	2" SQ	7'	2'	SEE SIGN DETAIL ON PM2
25A	R7-6D	NO PARKING PASSENGER LOADING ONLY	STA 26+45	12"	18"	IV	PSST	2" SQ	7'	2'	SEE SIGN DETAIL ON PM2
25B	R7-6D	NO PARKING PASSENGER LOADING ONLY	STA 26+79	12"	18"	IV	PSST	2" SQ	7'	2'	SEE SIGN DETAIL ON PM2
28	W11-2	PEDESTRIAN	STA 27+85	30"	30"	IV	EXISTING	-	8'	-	-
29	W16-9P	AHEAD	STA 27+85	24"	12"	IV	EXISTING	-	7'	-	MOUNT BELOW SIGN 28

PAVEMENT MARKING CONSTRUCTION NOTES:

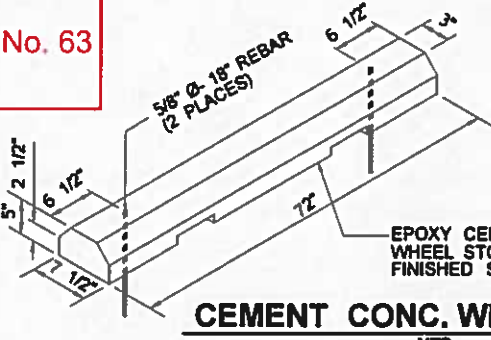
- REMOVE EXISTING DOUBLE CENTERLINE
- REMOVE EXISTING WIDE LANE LINE (YELLOW)
- INSTALL 3'-8" SQUARE ACCESS PARKING SPACE SYMBOL WITH BLUE BACKGROUND PER WSDOT STANDARD PLAN M-24.60-04 CENTERED OVER PARKING STALL
- INSTALL 4" WIDE WHITE THERMOPLASTIC LINE

* SIGN CODES ARE FROM THE 2009 MUTCD OR WSDOT SIGN FABRICATION MANUAL EXCEPT AS NOTED.
 ** REFER TO CITY OF TACOMA STD PLAN SU-34.
 *** CITY OF TACOMA SIGN CODE.

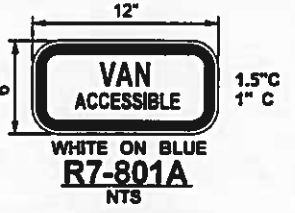
Contract 8895
Change Order No. 63
Page 53 of 99

SIGN INSTALLATION / REMOVAL NOTES:

- REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA, REMOVE SIGN POST.
- REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA. REMOVE SIGN POST AND CUT ANCHOR BOLTS FLUSH WITH SIDEWALK SURFACE.
- REMOVE AND SALVAGE EXISTING SIGNS TO THE CITY OF TACOMA. REUSE EXISTING SIGN POST FOR NEW SIGN.
- REMOVE AND SALVAGE EXISTING SIGNS TO CITY OF TACOMA.



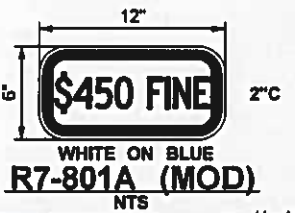
CEMENT CONC. WHEEL STOP
NTS



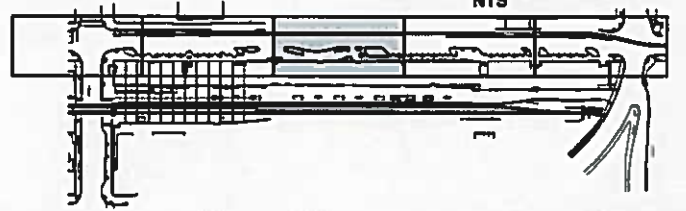
R7-801A
NTS



R7-801 (MOD)
NTS



R7-801A (MOD)
NTS



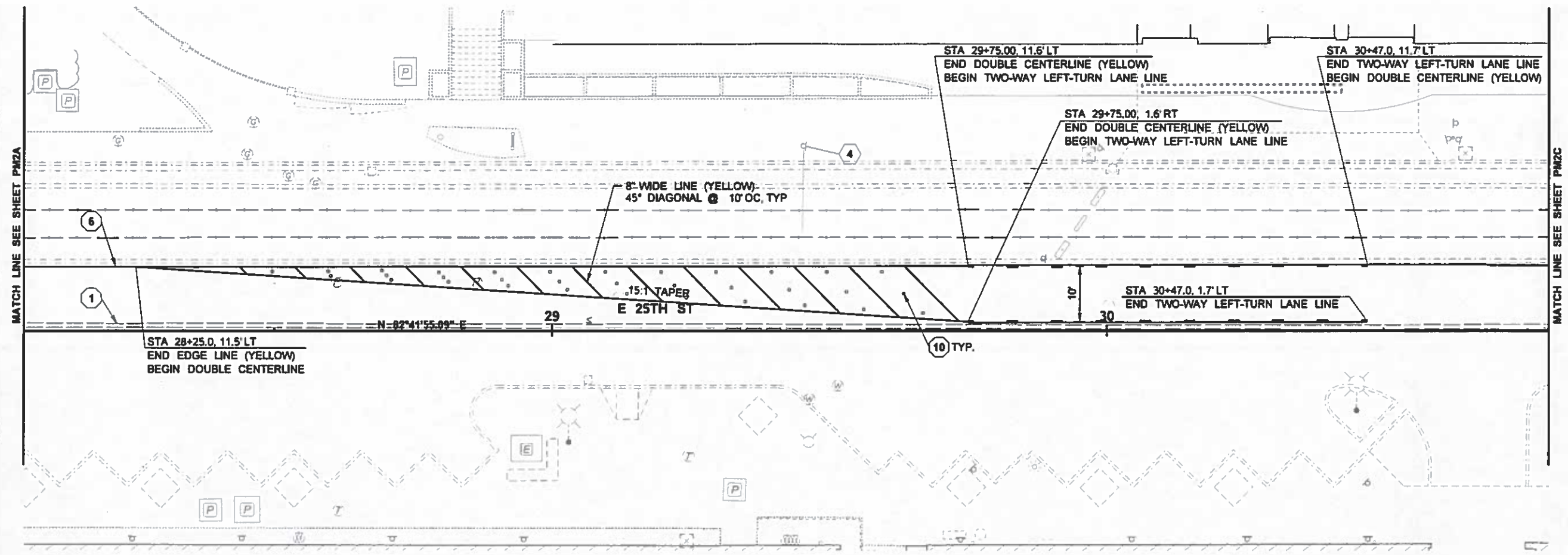
PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17

CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\169232 WSDOT OnCall\RA\ADD\CV\SH\Task 6 Station\PCO 002 East 25th\FHS_PS_PM_Task6 E25.dgn	TIME: 1:39:17 PM	DATE: 3/21/2017	DESIGNED BY: J. NAKAMOTO	ENTERED BY: E. NELSON	CHECKED BY: L. GUAN	PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET REVISION	03/21/2017	JN	DATE	BY	FED.AID PROJ.NO. FR-HSR-0017-11-01-06	LOCATION NO. XL3982	 PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200	 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION SIGNING AND PAVEMENT MARKING PLAN	Plot 6 PLAN REF NO PM2A SHEET 53A OF 317 SHEETS
---	------------------	-----------------	--------------------------	-----------------------	---------------------	---------------------------	--------------------------------------	------------	----	------	----	---------------------------------------	---------------------	---	---	--	---

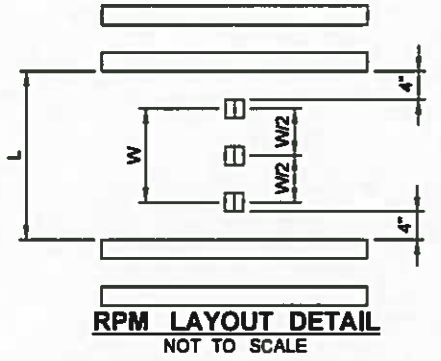


PAVEMENT MARKING CONSTRUCTION NOTES:

- 1 REMOVE EXISTING DOUBLE CENTERLINE
- 6 REMOVE EXISTING WIDE LANE
- 8 INSTALL 4" WIDE WHITE LINE
- 10 INSTALL TYPE 2YY RPM BETWEEN DIAGONAL WIDE LINE. SEE RPM LAYOUT THIS SHEET.

GENERAL NOTES:

- 1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- 2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL INCLUDE REMOVAL OF RAISED PAVEMENT MARKERS ON THE PAVEMENT MARKING.
- 3. LONGITUDINAL PAVEMENT MARKINGS SHALL INCLUDE RAISED PAVEMENT MARKERS (RPMs) INSTALLED PER CITY OF TACOMA STD PLAN NO. CH-03A. COLOR OF RPMs SHALL MATCH COLOR OF PAVEMENT MARKING.
- 4. PERFORATED SQUARE STEEL TUBE (PSST) POSTS SHALL BE SURFACE MOUNTED IN ACCORDANCE WITH CITY OF TACOMA STD PLAN SU-34.



- NOTES:**
- 1. DO NOT INSTALL MIDDLE RPM WHEN $W < 20'$.
 - 2. INSTALL ONE RPM AT $L/2$ WHEN $L \leq 12'$.

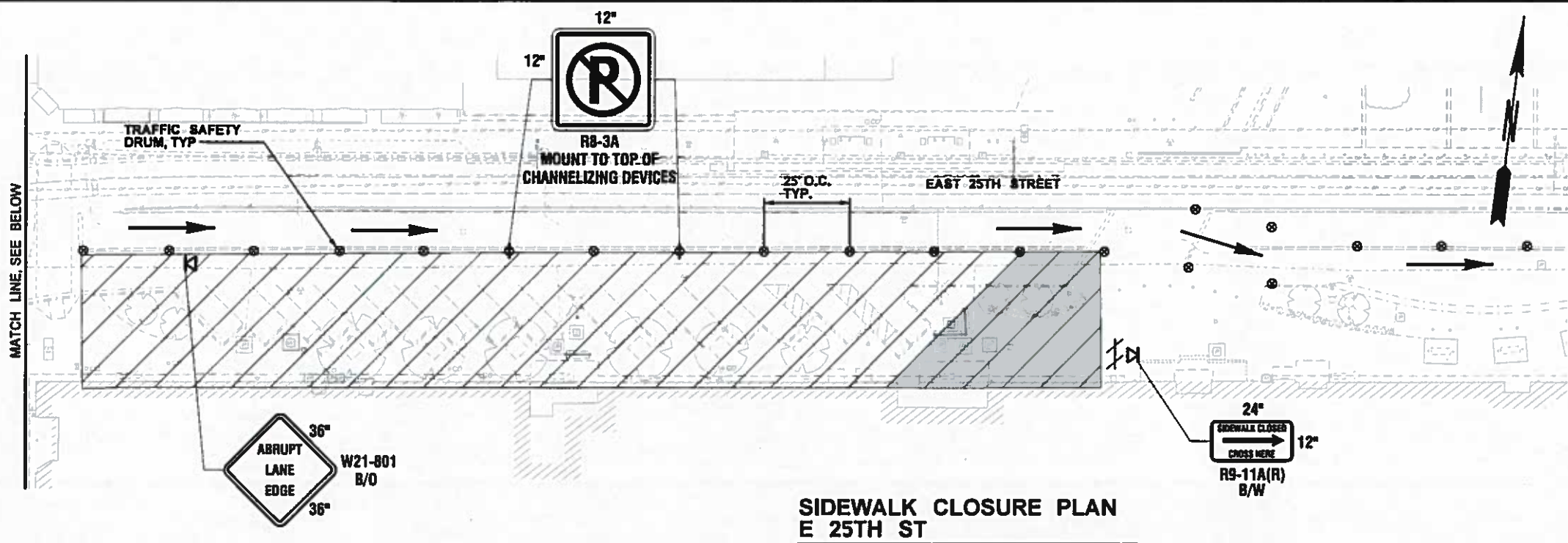
Contract 8895
Change Order No. 63
Page 54 of 99

PUBLIC WORKS DEPARTMENT

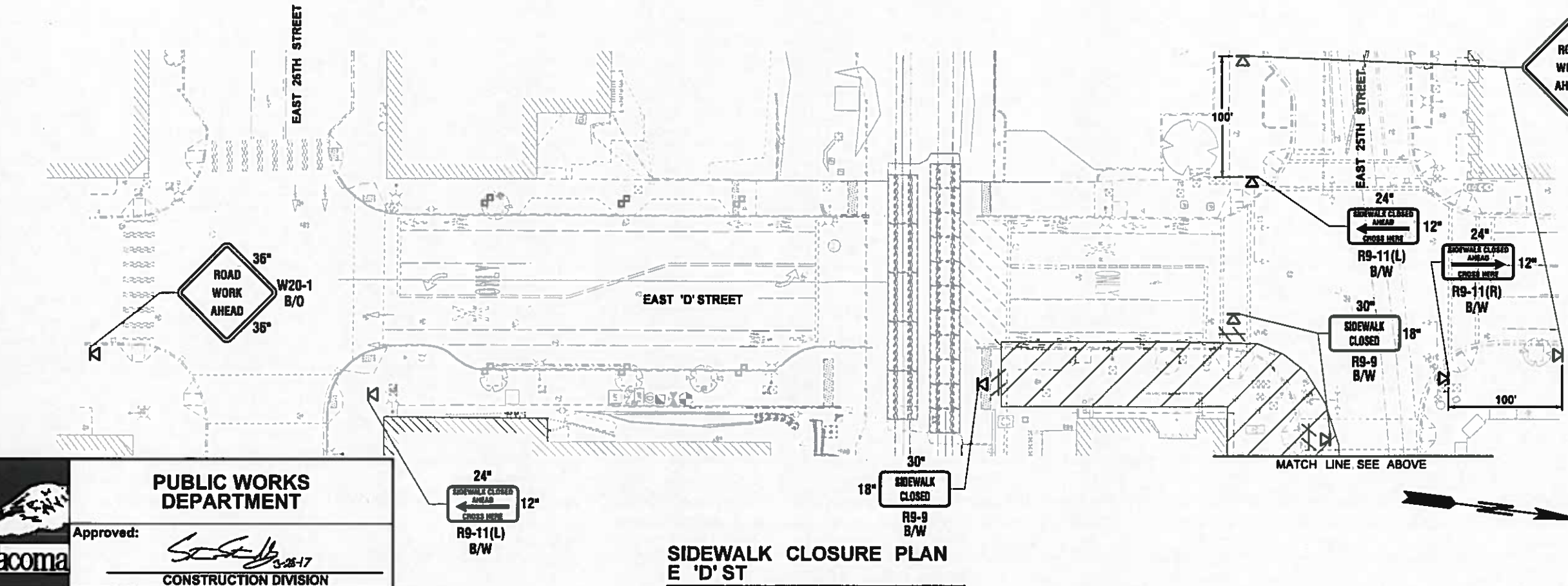
Approved: *[Signature]* 3/28/17
CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\160232 WSDOT OnCallRainCADD\CV\NSHT\Task 6 Station\PCO 002 East 25th\FHS PS PM Task5 E25.dgn		TIME: 1:40:37 PM		DATE: 3/21/2017		PLOTTED BY: NelsonE		DESIGNED BY: J. NAKAMOTO		ENTERED BY: E. NELSON		CHECKED BY: L. GUAN		PROJ. ENGR.:		REGIONAL ADM.:	
PCO 002 REV 1 - ADDED SHEET		03/21/2017		JN		DATE		BY		REVISION		DATE		BY			
REGION NO.:		STATE:		FED.AID PROJ.NO.:		FR-HSR-0017-11-01-06		JOB NUMBER:		16X330		CONTRACT NO.:		LOCATION NO.:		XL3982	
10		WASH		PARSONS BRINCKERHOFF		999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		Washington State Department of Transportation		TACOMA AMTRAK CASCADES STATION		SIGNING AND PAVEMENT MARKING PLAN		PLAN REF NO.:		PM2B	
P.E. STAMP BOX		DATE: 03/21/17		SHEET 538 OF 317 SHEETS													



**SIDEWALK CLOSURE PLAN
E 25TH ST**



**SIDEWALK CLOSURE PLAN
E 'D' ST**

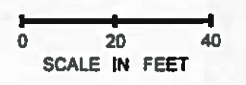
Contract 8895
Change Order No. 63
Page 56 of 99

LEGEND

- SIGN LOCATION
- CHANNELIZATION DEVICE
- TYPE 2 BARRICADE SEE DETAIL ON TC2
- WORK ZONE

NOTES:

1. DEVICES SHALL NOT ENCR OACH ONTO ADJACENT TRAVEL LANE.
2. SEE TC5 FOR TRAFFIC CONTROL SET UP FOR ONE WAY STREET OPERATION ON EAST 25TH STREET.
3. PROVIDE TEMPORARY LOADING ZONE AND ACCESS TO BUSINESSES DURING OPERATING HOURS.



PUBLIC WORKS DEPARTMENT

Approved: 3-28-17

CONSTRUCTION DIVISION

Work Order No.:

FILE NAME	J:\160232 WSDOT_OnCallRail\CADD\CIV\ASHT\Task 6 Station\PCO 002 East 25th\FHS_PS_TC_Task6 E25.dgn			REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06
TIME	1:45:52 PM			JOB NUMBER	16X330		CONTRACT NO.	LOCATION NO.	XL3982
DATE	3/21/2017			PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT TC1		REVISION	DATE	03/21/2017
PLOTTED BY	NelsonE			BY	JN				
DESIGNED BY	J. NAKAMOTO								
ENTERED BY	S. SIRES								
CHECKED BY	L. GUAN								
REGIONAL ADM.									



PARSONS BRINCKERHOFF

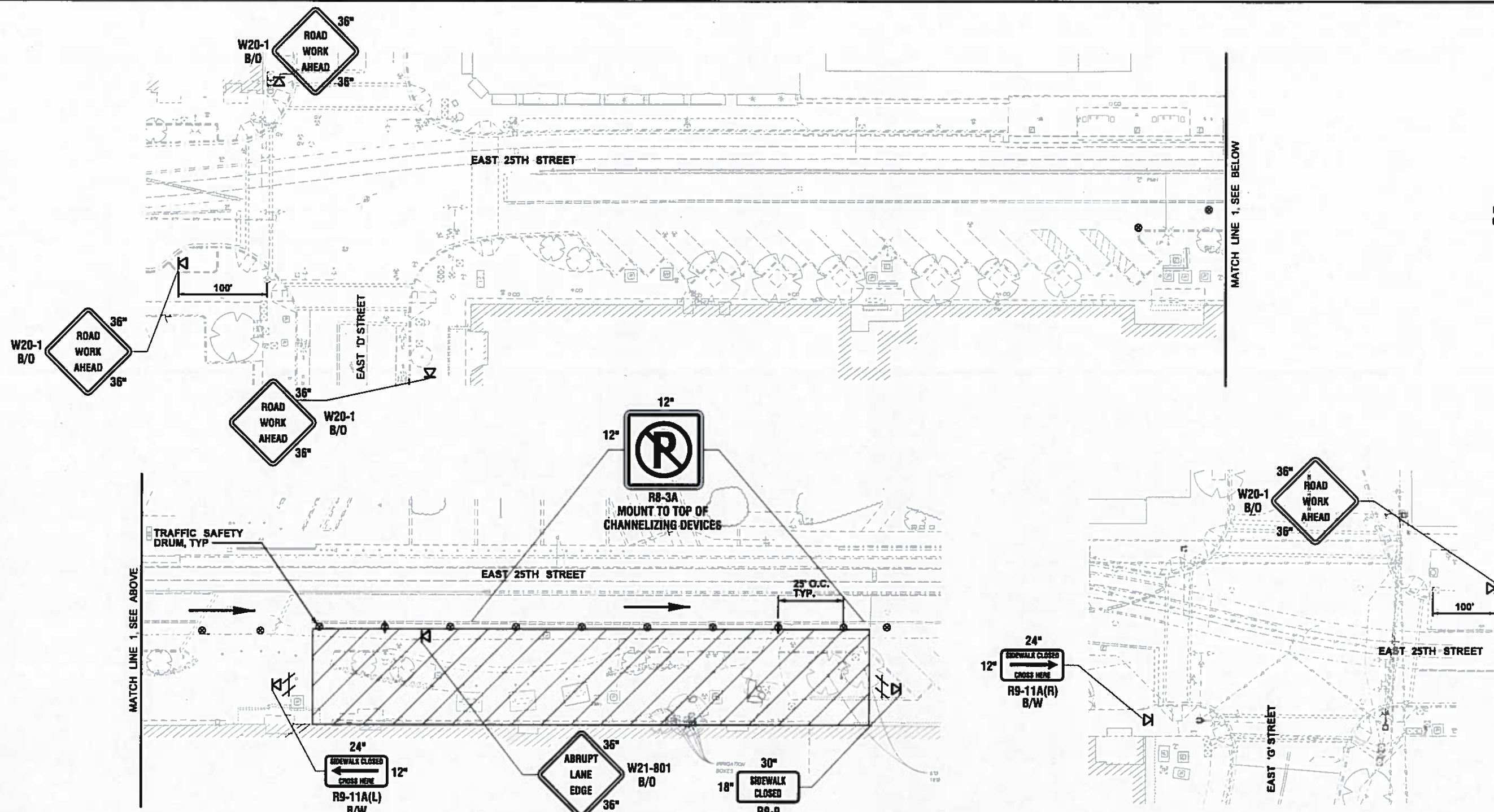
999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-362-6200

Washington State Department of Transportation

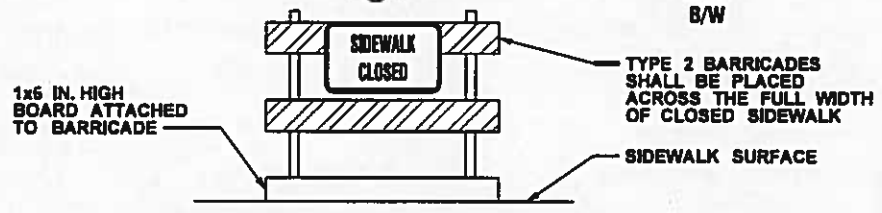
TACOMA AMTRAK CASCADES STATION

TRAFFIC CONTROL PLAN

PLAN REF NO	TC1
SHEET	62
OF	317
SHEETS	



PUBLIC WORKS DEPARTMENT
 Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

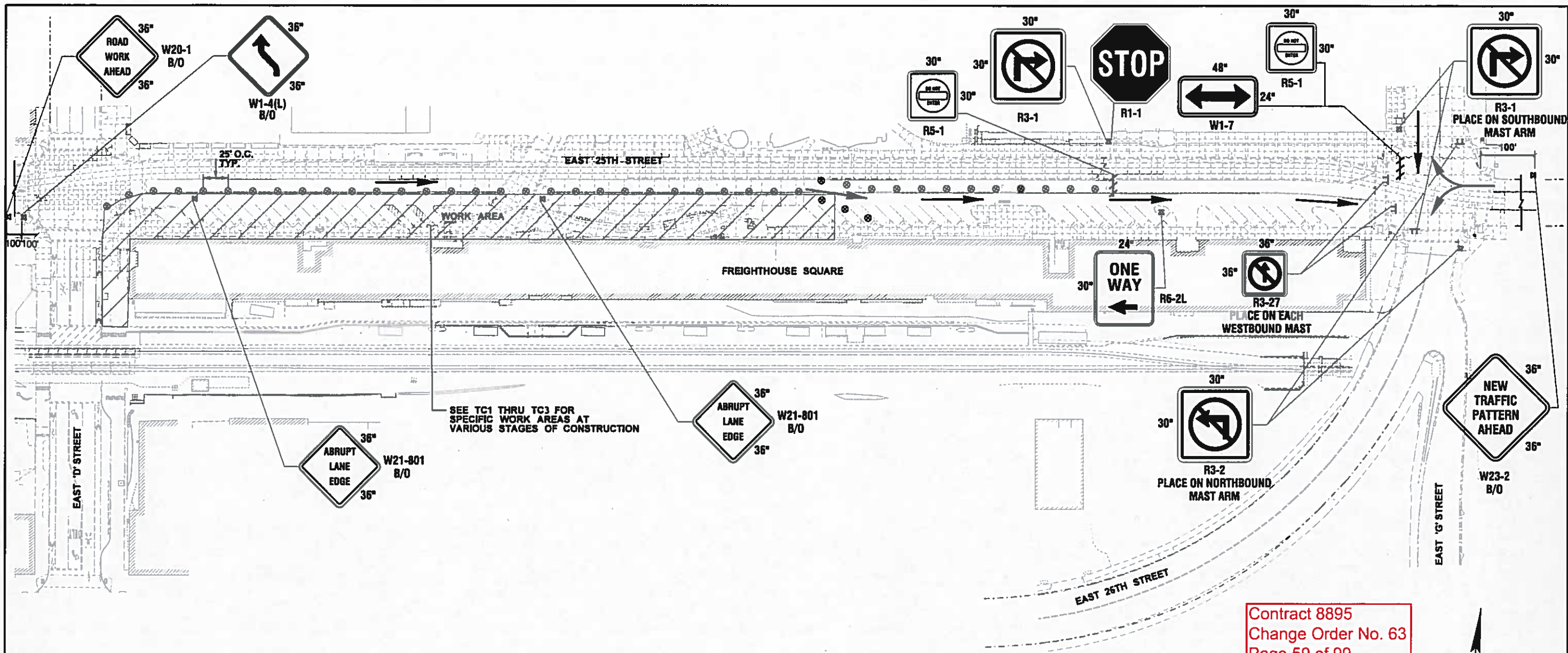


- LEGEND**
- SIGN LOCATION
 - CHANNELIZATION DEVICE
 - TYPE 2 BARRICADE, SEE DETAIL ON THIS SHEET
 - WORK ZONE

- NOTES:**
1. DEVICES SHALL NOT ENCRUCH ONTO ADJACENT TRAVEL LANE.
 2. SEE TCS FOR TRAFFIC CONTROL SET UP FOR ONE WAY STREET OPERATION ON EAST 25TH STREET.
 3. PROVIDE TEMPORARY LOADING ZONE AND ACCESS TO BUSINESSES DURING OPERATING HOURS

Contract 8895
 Change Order No. 63
 Page 57 of 99

FILE NAME: J:\160212 WSDOT_OnCall\Rail\CADD\CIV\ASHT\Task 6 Station\PCO 002 East 25th\FHS PS_TC_Task6 E25.dgn TIME: 4:34:28 PM DATE: 3/21/2017 PLOTTED BY: NelsonE DESIGNED BY: J. NAKAMOTO ENTERED BY: Y. JIANG CHECKED BY: L. GUAN PROJ. ENGR. REGIONAL ADM.		REGION NO.: 10 STATE: WASH JOB NUMBER: 16X330 CONTRACT NO.: DATE: 03/21/2017 BY: JN		FED.AID PROJ.NO.: FR-HSR-0017-11-01-06 LOCATION NO.: XL3982		 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		 Washington State Department of Transportation		TACOMA AMTRAK CASCADES STATION TRAFFIC CONTROL PLAN		PLAN REF NO: TC2 SHEET 63 OF 317 SHEETS
---	--	--	--	--	--	--	--	--	--	--	--	--



Contract 8895
Change Order No. 63
Page 59 of 99

- NOTE:**
- BUSINESSES, SOUND TRANSIT AND PIERCE TRANSIT WILL BE COORDINATED WITH FOR LOCAL ACCESS WHEN NEEDED.
 - NOTIFY THE APPROPRIATE CITY DEPARTMENTS AND AGENCIES THREE WORKING DAYS PRIOR TO ANY STREET CLOSURE PER THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK.
 - TRAFFIC CONTROL DEVICES SHALL INCLUDE TYPE C STEADY BURN LIGHTS WHEN UTILIZED DURING NIGHTTIME CONDITIONS.
 - EAST 25TH STREET COULD BE DETERMINED BY THE CITY TO BE FULLY CLOSED TO ALL EASTBOUND TRAFFIC USING DETOURS SHOWN IN SHEET TC6 IF PARTIAL CLOSURE STRATEGY POSES OPERATIONAL AND/OR SAFETY CONCERNS.

- LEGEND**
- MAST-ARM/POLE MOUNTED SIGN
 - SIGN LOCATION
 - CHANNELIZATION DEVICE
 - TYPE 3 BARRICADE
 - WORK ZONE
5. COORDINATE WITH THE CITY OF TACOMA SIGNAL SHOP FOR RETIMING OF SIGNAL AT EAST 25TH STREET AND EAST G STREET TO INSTALL GRIDSMART DETECTION SYSTEM. SEE SHEET TS3.

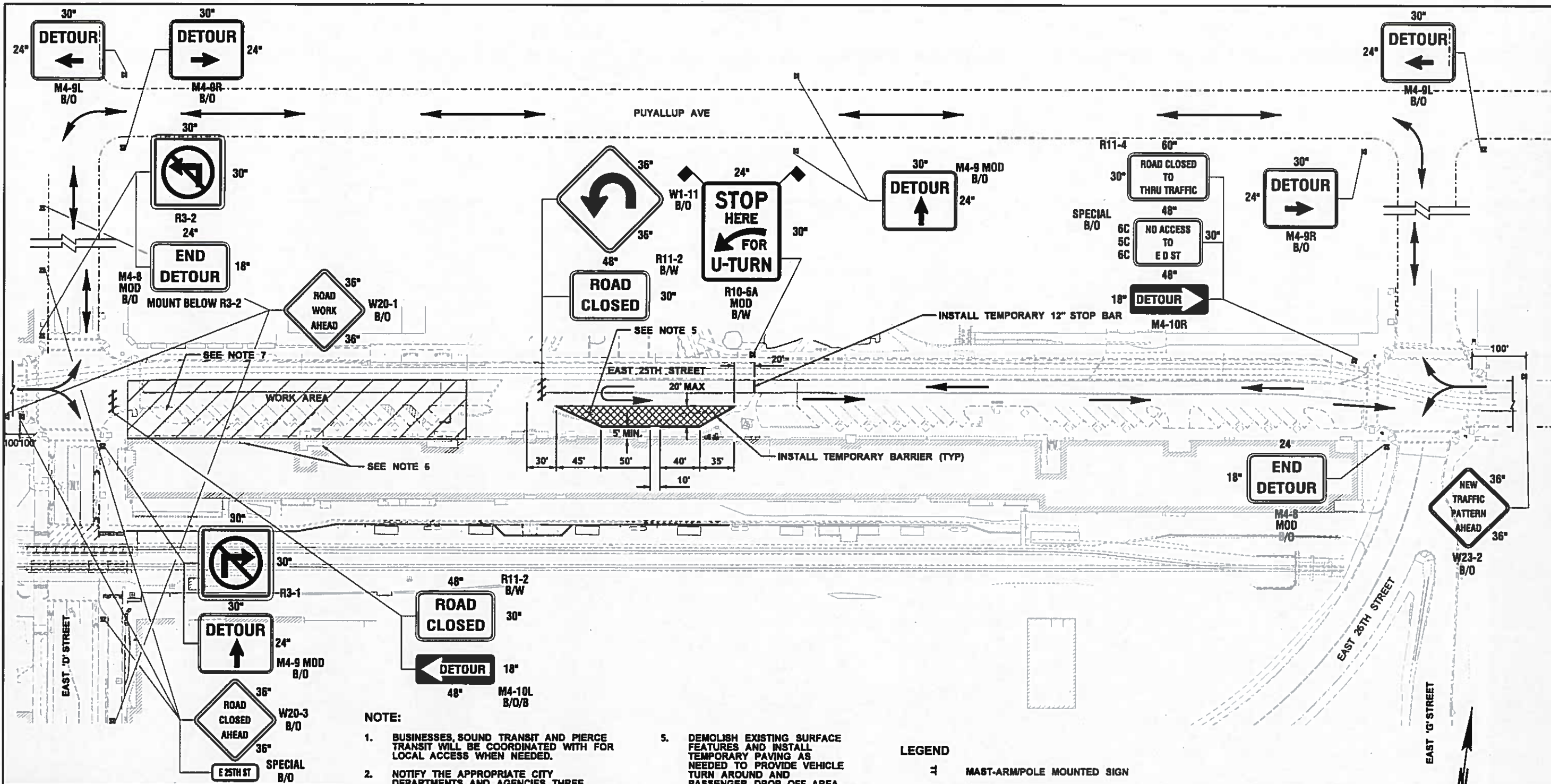


PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: J:\160232_WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_TC_Task6 E25.dgn		REGION NO. STATE: 10 WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06			TACOMA AMTRAK CASCADES STATION	PLAN REF NO. TC4
TIME: 1:48:57 PM	DATE: 3/21/2017	JOB NUMBER: 16X330		LOCATION NO. XL3982				
PLOTTED BY: NelsonE	DESIGNED BY: J. NAKAMOTO	CONTRACT NO.:		DATE: 03/21/2017		Washington State Department of Transportation	TRAFFIC CONTROL PLAN	
ENTERED BY: S. SIRES	CHECKED BY: L. GUAN	PROJ. ENGR.:		REVISION:				
REGIONAL ADM.:	PCO 002 REV 1 - REPLACES ORIG CONTRACT TC4		DATE: 03/21/2017		BY: TJN			



- NOTE:**
- BUSINESSES, SOUND TRANSIT AND PIERCE TRANSIT WILL BE COORDINATED WITH FOR LOCAL ACCESS WHEN NEEDED.
 - NOTIFY THE APPROPRIATE CITY DEPARTMENTS AND AGENCIES THREE WORKING DAYS PRIOR TO ANY STREET CLOSURE PER THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK.
 - TRAFFIC CONTROL DEVICES SHALL INCLUDE TYPE C STEADY BURN LIGHTS WHEN UTILIZED DURING NIGHTTIME CONDITIONS.
 - COORDINATE WITH THE CITY OF TACOMA SIGNAL SHOP FOR RETIMING OF SIGNAL AT EAST 25TH STREET AND EAST G STREET TO INSTALL GRIDSMART DETECTION SYSTEM. SEE SHEET TS3.
 - DEMOLISH EXISTING SURFACE FEATURES AND INSTALL TEMPORARY PAVING AS NEEDED TO PROVIDE VEHICLE TURN AROUND AND PASSENGER DROP OFF AREA.
 - PROVIDE ACCESS TO ALL BUSINESSES DURING OPERATING HOURS.
 - PCMS BOARD SHALL BE PLACED ON EAST 25TH STREET AT LEAST THREE (3) BUSINESS DAYS PRIOR TO THE CLOSURE TO NOTIFY EB TRAFFIC THAT A REVISION WILL BE COMING.

- LEGEND**
- MAST-ARMPOLE MOUNTED SIGN
 - SIGN LOCATION
 - CHANNELIZATION DEVICE
 - TYPE 3 BARRICADE
 - WORK ZONE
 - DETOUR ROUTE

PUBLIC WORKS DEPARTMENT

Approved:

Tacoma CONSTRUCTION DIVISION

Work Order No.:

Contract 8895
Change Order No. 63
Page 60 of 99

FILE NAME: J:\160232 WSDOT OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_TC_Task6 E25.dgn		FED.AID PROJ.NO.			Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO TC5
TIME: 1:50:03 PM	DATE: 3/21/2017	10 WASH	FR-HSR-0017-11-01-06				
DESIGNED BY: NelsonE	ENTERED BY: S. SIRES	JOB NUMBER: 16X330	LOCATION NO: XL3982		999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200	SHEET 66 OF 317 SHEETS	
CHECKED BY: L. GUAN	PROJ. ENGR. REGIONAL ADM.	CONTRACT NO. REVISION	DATE BY				DETOUR ROUTE PLAN

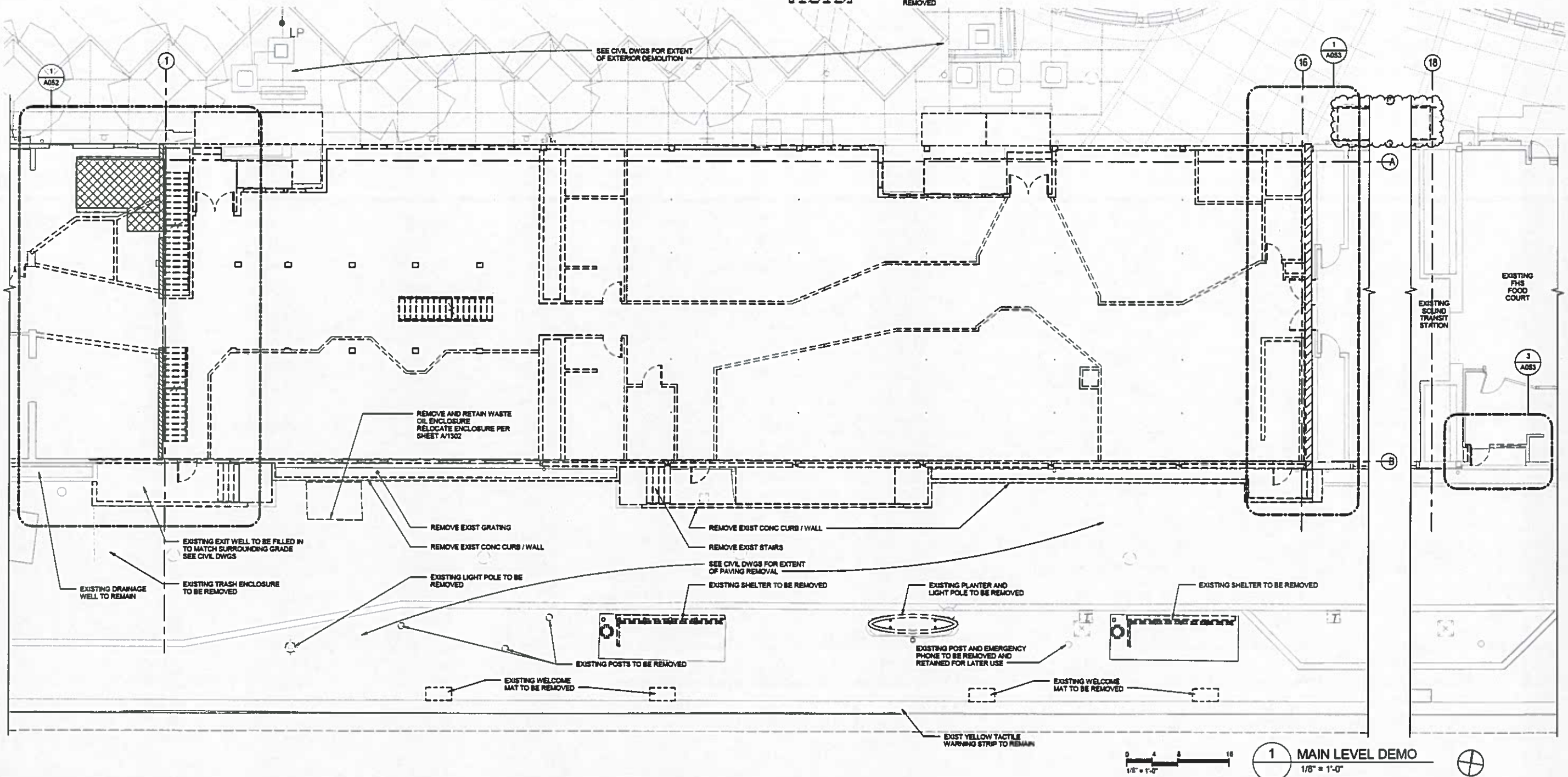
Contract 8895
 Change Order No. 63
 Page 61 of 99

DEMO LEGEND

- [- - - -] EXIST TO BE REMOVED
- [X X X X] EXIST FLOOR TO BE REMOVED
- [/ / / /] EXIST WALL TO REMAIN. FINISH & SHEATHING TO BE REMOVED BOTH SIDES
- [\ \ \ \] EXIST WALL TO REMAIN. SIDING TO BE REMOVED

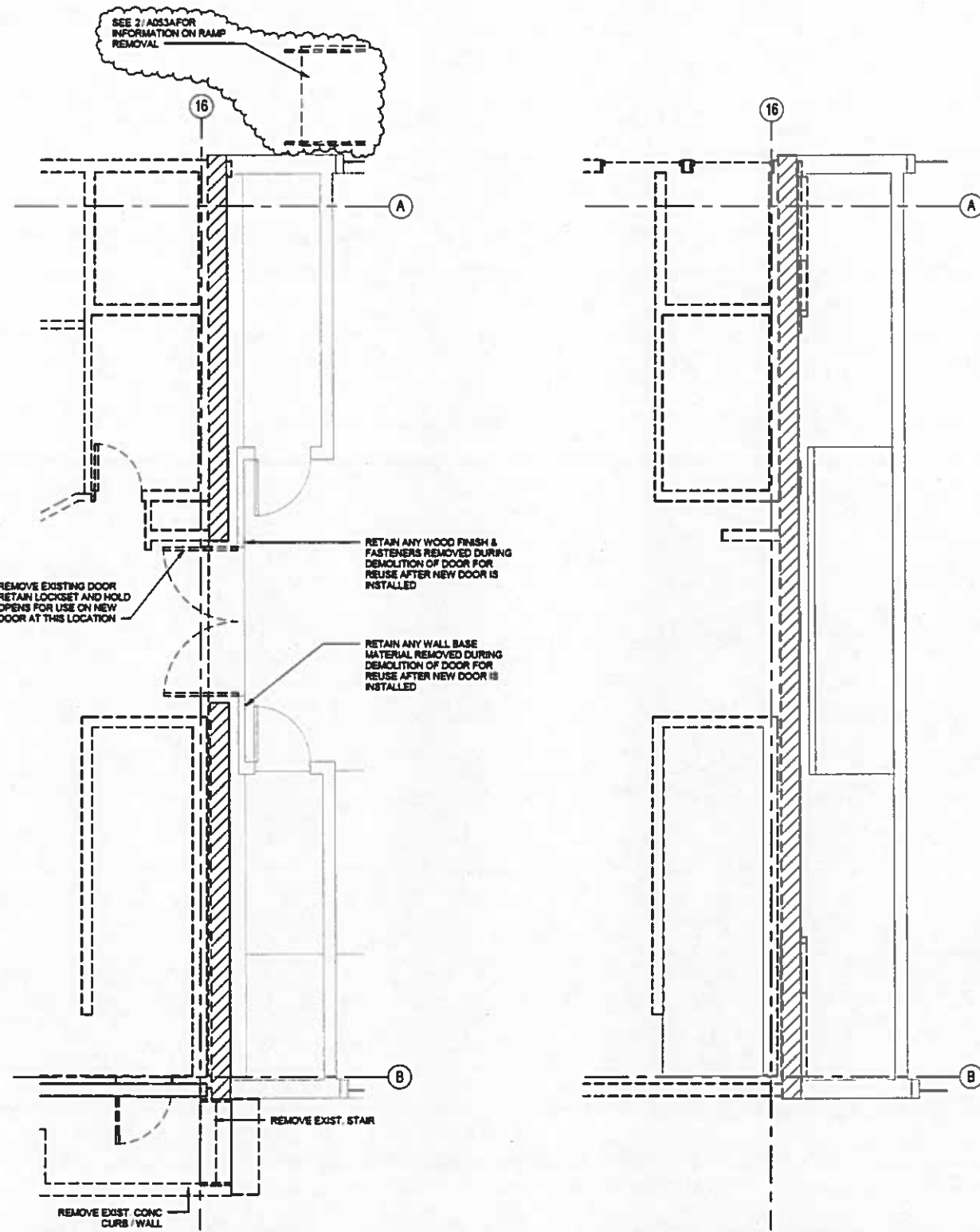
GENERAL DEMO NOTES:

1. EXISTING BUILDINGS TO THE EAST AND WEST TO REMAIN WITH THE EXCEPTION OF SELECTIVE DEMOLITION.
2. CONTRACTOR SHALL SALVAGE TIMBERS PER SPEC SECTION 02 41 00.
3. REFER TO CIVIL, MECHANICAL & ELECTRICAL FOR FURTHER DEMO INFORMATION
4. SALVAGE SIDING FOR REUSE IN UPGRADES AND REPAIRS TO EXISTING FRIEGHTHOUSE SQUARE BUILDING



1 MAIN LEVEL DEMO
 1/8" = 1'-0"

FILE NAME: C:\Users\twest\Documents\1602325 BF AR twest.rvt		REGION NO. 10		STATE WASH	FED.AID PROJ.NO.	7888 REGISTERED ARCHITECT <i>Alan Hart</i> Alan Hart STATE OF WASHINGTON 03/21/2017	VIA	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO A050	
DATE: 3/21/2017	TIME: 11:22:01 PM	DESIGNED BY: B. PETERSON / C. CALVERT	ENTERED BY: B. PETERSON	CHECKED BY: S. MCDONALD	PROJ. ENGR:					REGIONAL ADM:	FR-HSR-0017-11-01-06
PCO 002 REV 1 - REPLACES ORIG CONTRACT A050		03/21/2017	BP	04/15/2018	TW	REVISION					DATE BY

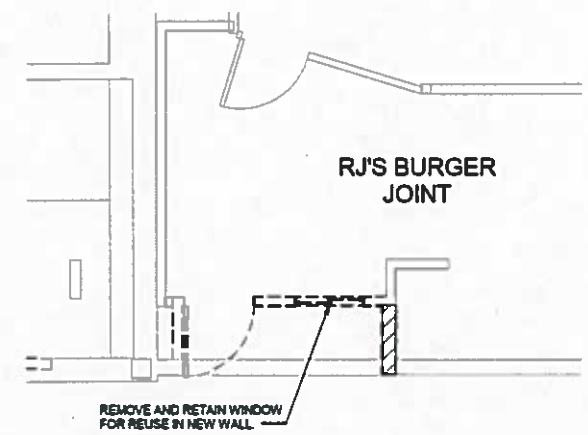


GENERAL DEMO NOTES:

1. EXISTING BUILDINGS TO THE EAST AND WEST TO REMAIN WITH THE EXCEPTION OF SELECTIVE DEMOLITION.
2. CONTRACTOR SHALL SALVAGE TIMBERS PER SPEC SECTION 02 41 00.
3. REFER TO CIVIL, MECHANICAL & ELECTRICAL FOR FURTHER DEMO INFORMATION
4. SALVAGE SIDING FOR REUSE IN UPGRADES AND REPAIRS TO EXISTING FRIEGHTHOUSE SQUARE BUILDING

DEMO LEGEND

- [- - -] EXIST TO BE REMOVED
- [X X X] EXIST FLOOR TO BE REMOVED
- [/ / /] EXIST WALL TO REMAIN. FINISH & SHEATHING TO BE REMOVED BOTH SIDES
- [\ \ \] EXIST WALL TO REMAIN. SIDING TO BE REMOVED



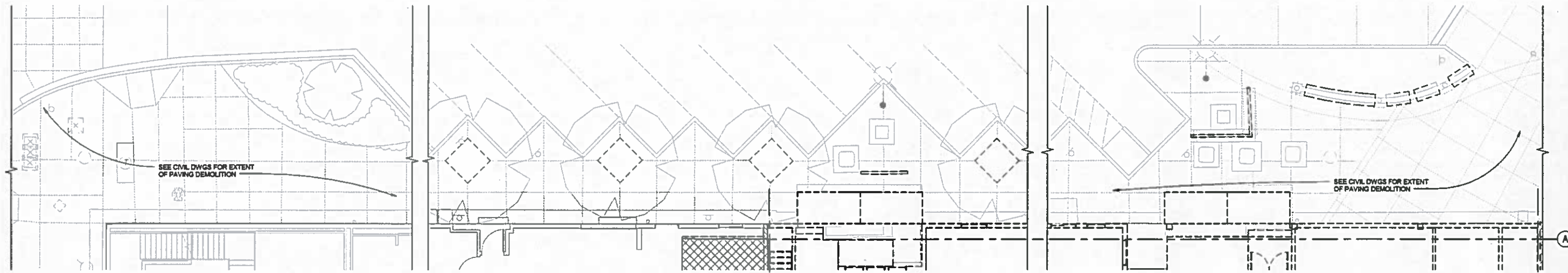
Contract 8895
Change Order No. 63
Page 62 of 99

1 MAIN LEVEL DEMO - EAST
A050 1/4" = 1'-0"

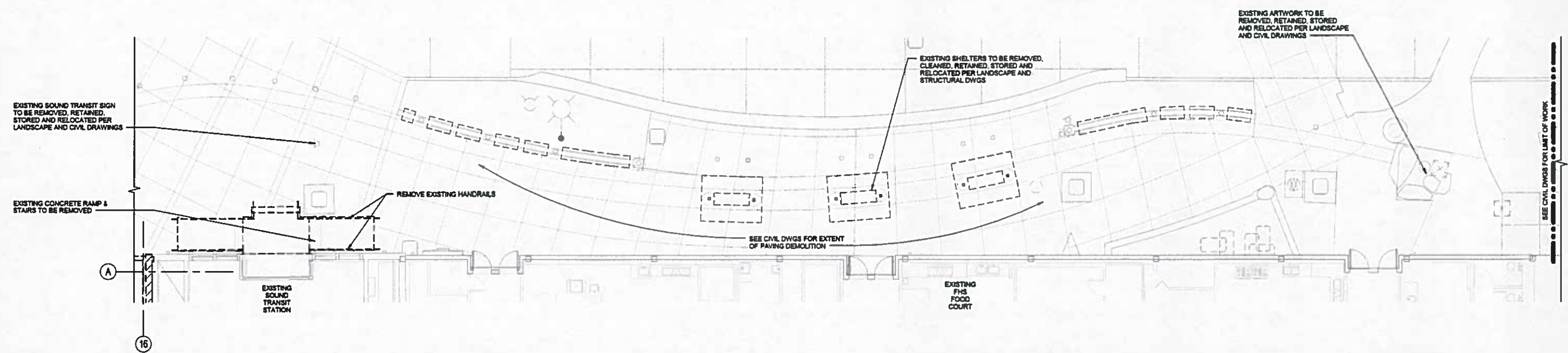
2 MEZZANINE LEVEL DEMO - EAST
A051 1/4" = 1'-0"

3 RJ'S BURGERS IMPROVEMENTS DEMO PLAN
A050 1/4" = 1'-0"
0 2 4 6
1/4" = 1'-0"

FILE NAME: C:\Users\twest\Documents\1602325 BF AR twest.rvt		REGION NO. STATE		FED.AID PROJ.NO.			 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION		PLAN REF NO A053	
DATE:	3/21/2017	10	WASH	FR-HSR-0017-11-01-06				 7888 REGISTERED ARCHITECT Alan Hart STATE OF WASHINGTON 03/21/2017	ENLARGED DEMOLITION PLAN - EAST		SHEET 82 OF SHEETS
TIME:	11:22:03 PM	JOB NUMBER		LOCATION NO.							317
PLOTTED BY:		16X330		XL3982							
DESIGNED BY:	B. PETERSON / C. CALVERT	CONTRACT NO.									
ENTERED BY:	B. PETERSON										
CHECKED BY:	S. McDONALD	PCO 002 REV 1 - REPLACES ORIG CONTRACT		A053	03/21/2017	BP					
PROJ. ENGR:		REVISION			DATE	BY					
REGIONAL ADM:											



1 E 25TH ST - SITE DEMO PLAN - E 'D' ST TO ST STATION
A120 1/8" = 1'-0"

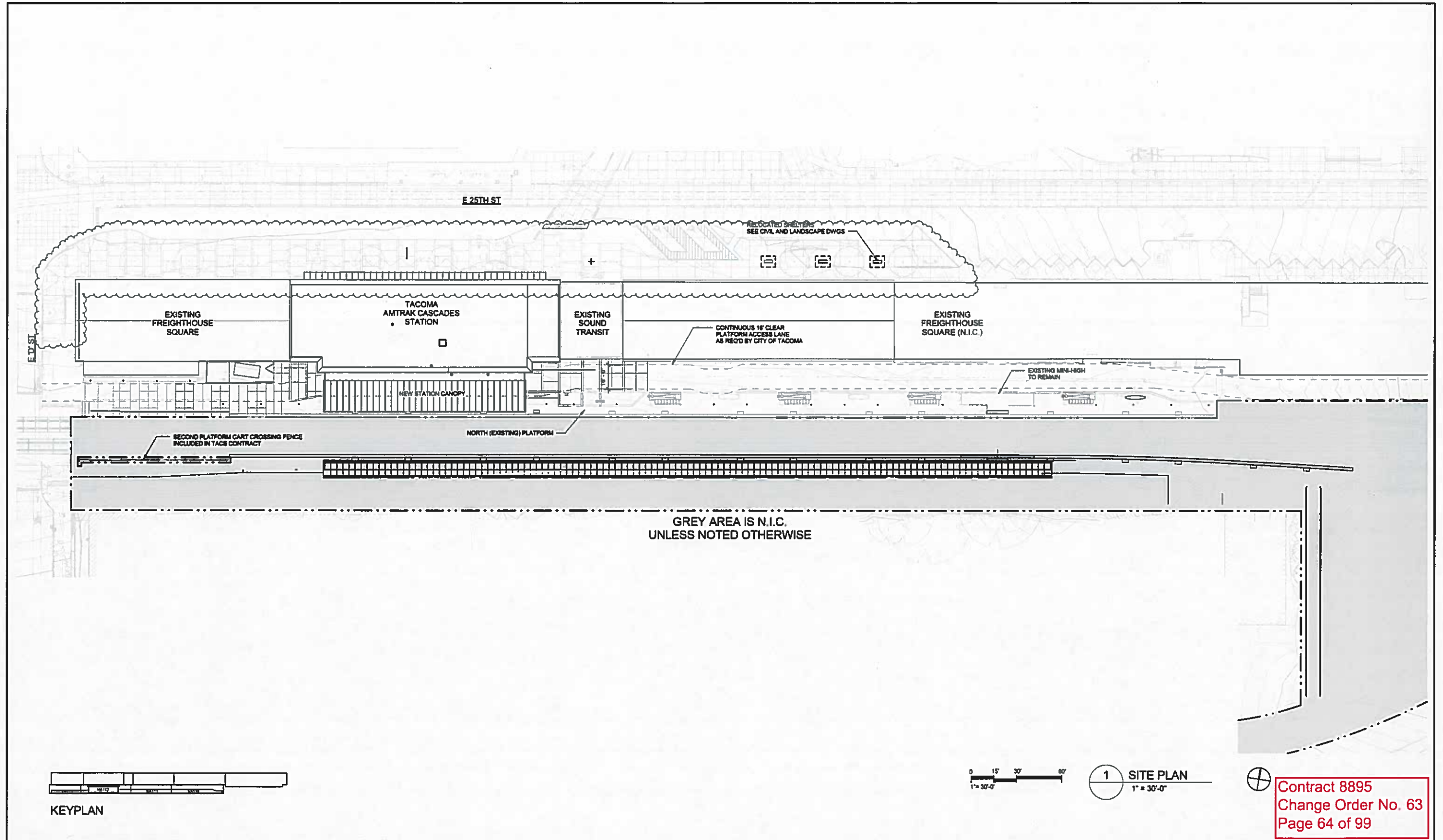


2 E 25TH ST - SITE DEMO PLAN - ST STATION TO EAST LIMIT OF WORK
A120 1/8" = 1'-0"

NOTE:
 • SEE CIVIL FOR REMOVAL/RELOCATION OF SITE APPURTENANCES & LANDSCAPE FEATURES
 • SEE ELECTRICAL FOR REMOVAL/RELOCATION OF ELECTRICAL ITEMS
 • SEE UTILITY & DRAINAGE PLANS FOR REMOVAL/RELOCATION OF UTILITIES

Contract 8895
 Change Order No. 63
 Page 63 of 99

FILE NAME: C:\Users\twest\Documents\1602328 BF AR twest.rvt		REGION NO. STATE		FED.AID PROJ.NO.		7888 REGISTERED ARCHITECT <i>Alan Hart</i> Alan Hart STATE OF WASHINGTON 03/21/2017	VIA	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO A053A
DATE: 3/21/2017	TIME: 11:22:06 PM	10	WASH	FR-HSR-0017-11-01-06						
PLOTTED BY:		JOB NUMBER		LOCATION NO.		317	SHEET 82 A OF SHEETS	SITE DEMOLITION PLAN	317	
DESIGNED BY: T. WEST / C. CALVERT		16X330		XL3982						
ENTERED BY: T. WEST		CONTRACT NO.								
CHECKED BY: S. MCDONALD		DATE		BY						
PROJ. ENGR: PCO 002 REV 1- ADDED SHEET	03/21/2017	BP								
REGIONAL ADM:	REVISION									



Contract 8895
 Change Order No. 63
 Page 64 of 99

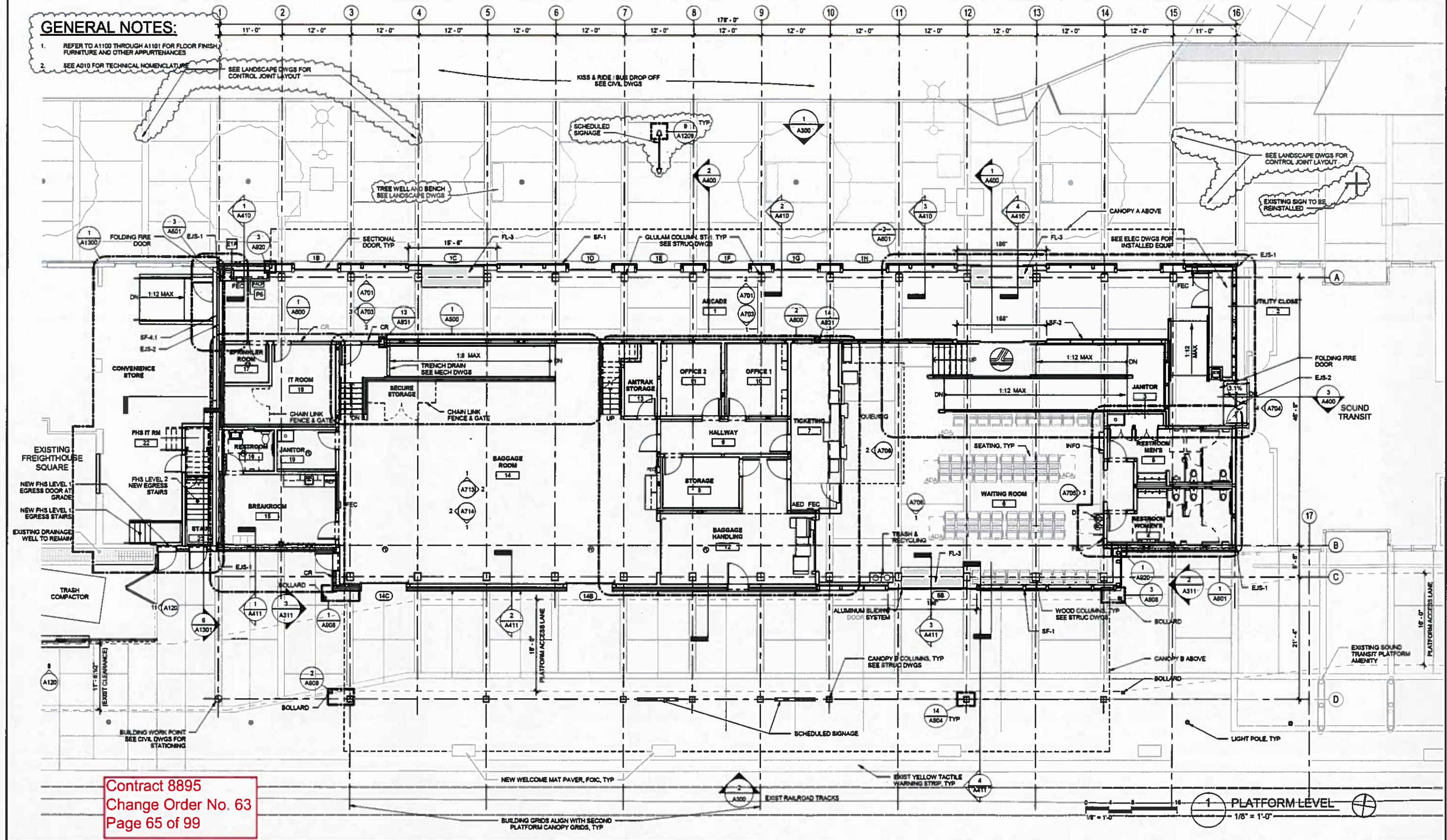
FILE NAME: C:\Users\twest\Documents\1602323 BF_AR_twest.rvt				REGION NO.	STATE	FED.AID PROJ.NO.	7868 REGISTERED ARCHITECT <i>Alan Hart</i> Alan Hart STATE OF WASHINGTON 03/21/2017	VIA	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO. A100
DATE:	3/21/2017			10	WASH	FR-HSR-0017-11-01-06					
TIME:	11:22:11 PM			JOB NUMBER							
PLOTTED BY:				16X330							
DESIGNED BY:	T. WEST / C. CALVERT			CONTRACT NO.		LOCATION NO.					
ENTERED BY:	T. WEST					XL3982					
CHECKED BY:	S. MCDONALD										
PROJ. ENGR:	PCO 002 REV 1 - REPLACES ORIG CONTRACT	A100	03/21/2017	BP							
REGIONAL ADM:	REVISION		DATE	BY							

1 SITE PLAN
 1" = 30'-0"



GENERAL NOTES:

- REFER TO A1100 THROUGH A1101 FOR FLOOR FINISH, FURNITURE AND OTHER APPURTENANCES
- SEE A010 FOR TECHNICAL NOMENCLATURE



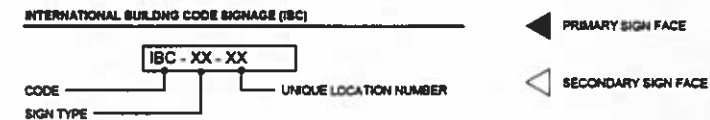
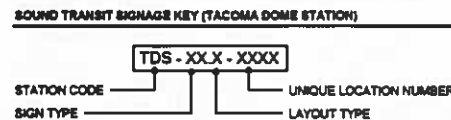
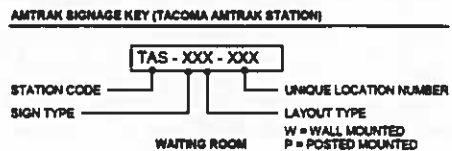
Contract 8895
Change Order No. 63
Page 65 of 99

FILE NAME: C:\Users\twest\Documents\1602323 BF AR twest.rvt										
DATE:	3/21/2017	PCO 002 REV 1 - REPLACES ORIG CONTRACT A200	03/21/2017	BP	REGION NO.	STATE	FED.AID PROJ.NO.	7888 REGISTERED ARCHITECT		PLAN REF NO
TIME:	11:22:30 PM		03/17/17	TW	10	WASH	FR-HSR-0017-11-01-06	Alon Fort		A200
PLOTTED BY:	RFI 0259		01/06/17	TW	JOB NUMBER			VIA		SHEET
DESIGNED BY:	RFI 0193		11/28/16	TW	16X330			Washington State Department of Transportation		90
ENTERED BY:	PCO 026		11/14/16	TW	CONTRACT NO.			TACOMA AMTRAK CASCADES STATION		OF SHEETS
CHECKED BY:	RFI 0115		04/16/2016	TW				STATION FLOOR PLAN		317
PROJ. ENGR:	ADDENDUM #2						LOCATION NO.			
REGIONAL ADM:		REVISION	DATE	BY			XL3982			

NOTE:

1 ALL TDS - CODED SIGNS TO BE PROCURED AND INSTALLED BY OTHERS. CONTRACTOR TO CONSTRUCT AND PREPARE SUPPORTING SUBSTRATE FOR ALL SIGNS INDICATED, INCLUDING TDS TYPES.

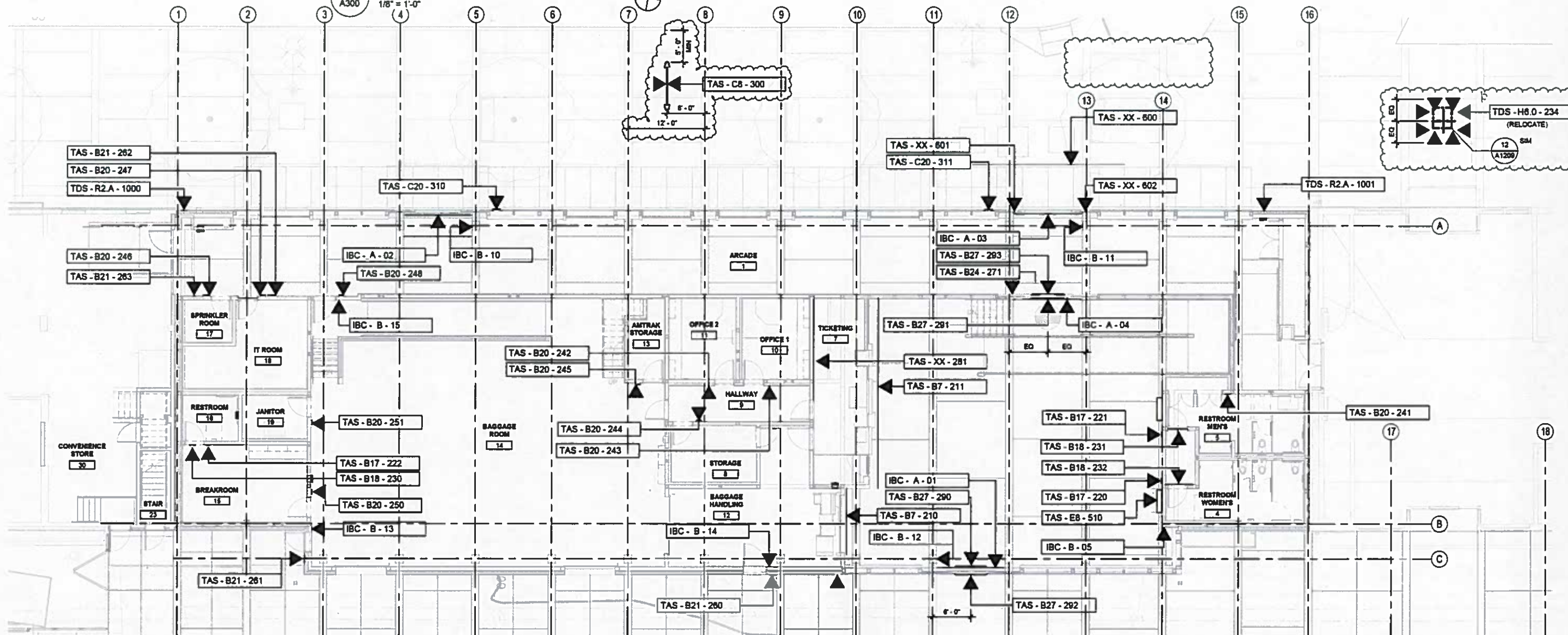
LEGEND:



Contract 8895
Change Order No. 63
Page 66 of 99

2 SIGNAGE PLAN - STATION MEZZANINE

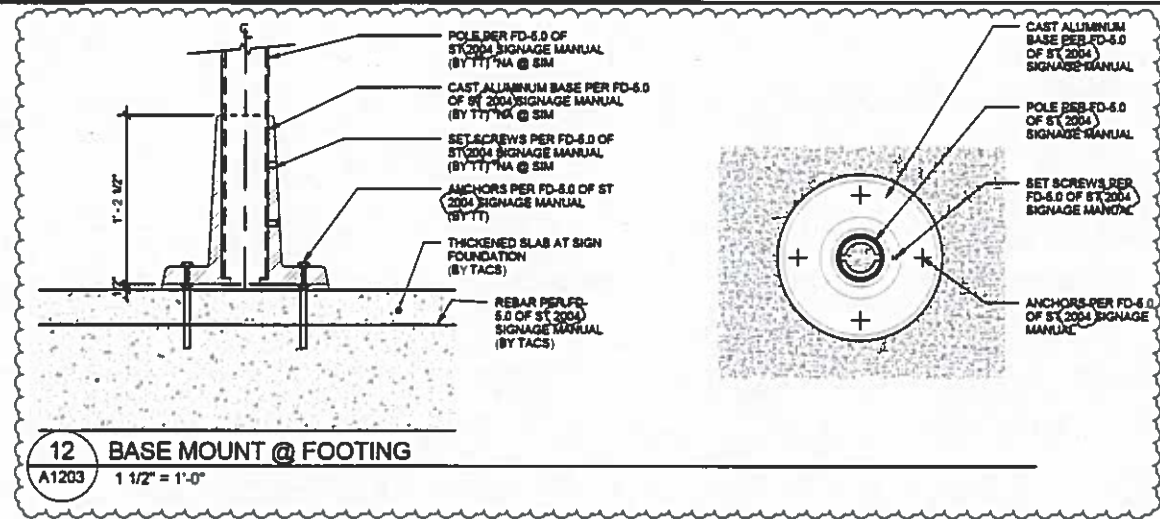
A300 1/8" = 1'-0"



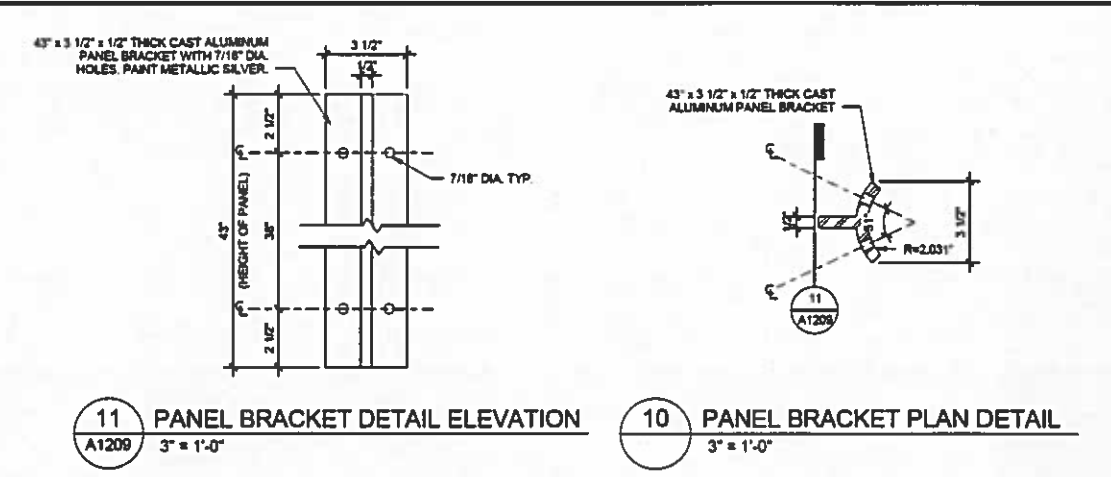
1 SIGNAGE PLAN - STATION

A120 1/8" = 1'-0"

FILE NAME: C:\Users\twest\Documents\1602323 BF_AR_twest.rvt		REGION NO.	STATE	FED.AID PROJ.NO.	7888 REGISTERED ARCHITECT <i>Alan Hart</i> ALAN HART STATE OF WASHINGTON 03/21/2017	VIA	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO. A1203
DATE: 3/21/2017	TIME: 11:22:34 PM	10	WASH	FR-HSR-0017-11-01-06				LOCATION NO. XL3982	SIGNAGE PLAN - STATION
DESIGNED BY: C. CALVERT	ENTERED BY: C. CALVERT	JOB NUMBER 16X330	CONTRACT NO.	DATE 03/21/2017	BY BP	PCO 002 REV 1 - REPLACES ORIG CONTRACT A1203		REVISION	
CHECKED BY: S. MCDONALD	PROJ. ENGR:	REGIONAL ADM:							

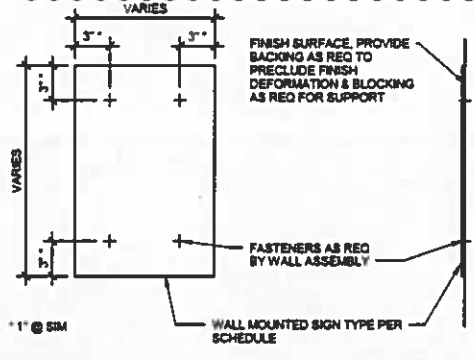


12 BASE MOUNT @ FOOTING
A1203 1 1/2" = 1'-0"

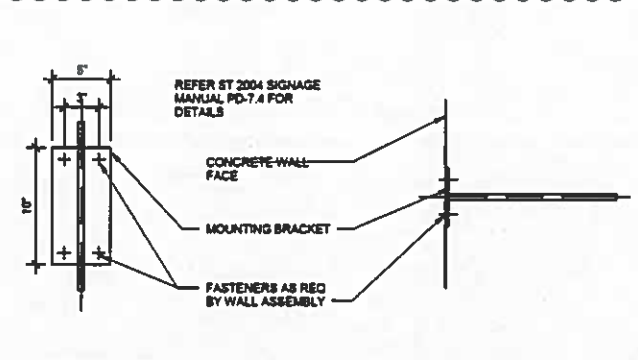


11 PANEL BRACKET DETAIL ELEVATION
A1209 3" = 1'-0"

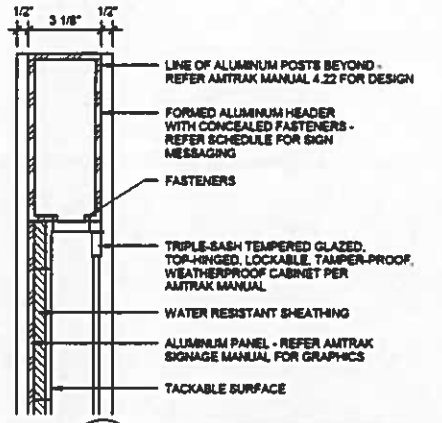
10 PANEL BRACKET PLAN DETAIL
3" = 1'-0"



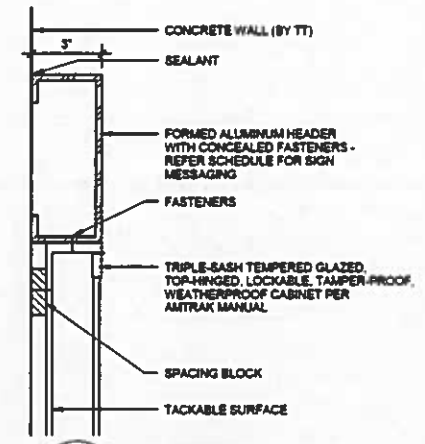
1 EXTERIOR WALL MOUNTED TYPICAL
1 1/2" = 1'-0"



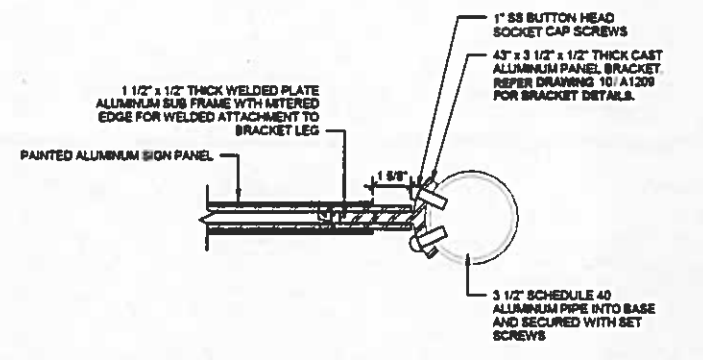
2 F SIGN FLAG MOUNT @ WALL
1 1/2" = 1'-0"



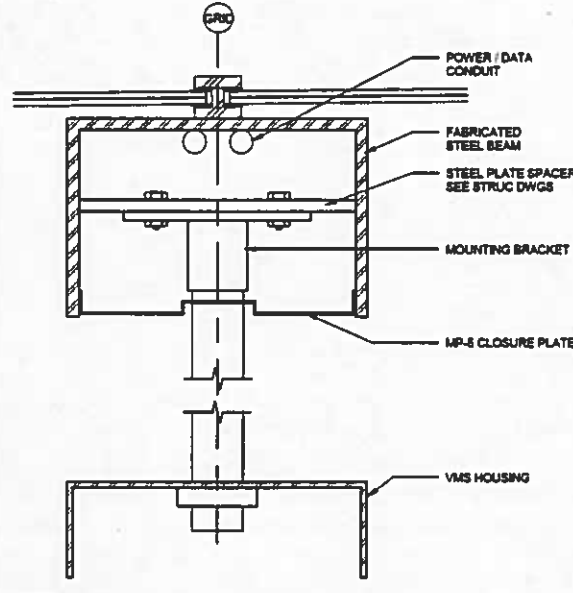
3 A11 SIGN MONUMENT
3" = 1'-0"



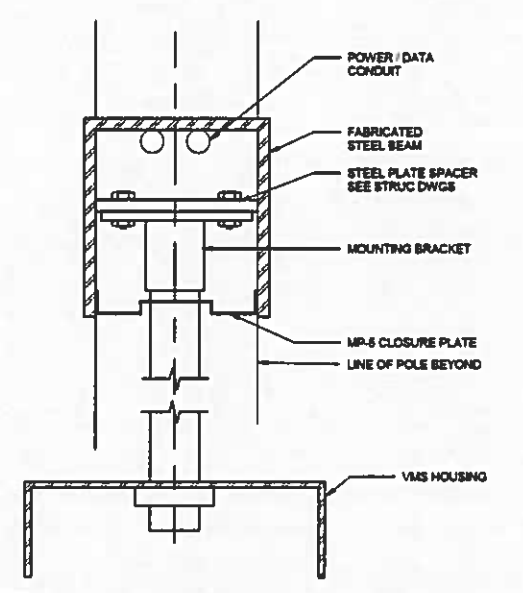
4 A11 SIGN WALL MOUNT
3" = 1'-0"



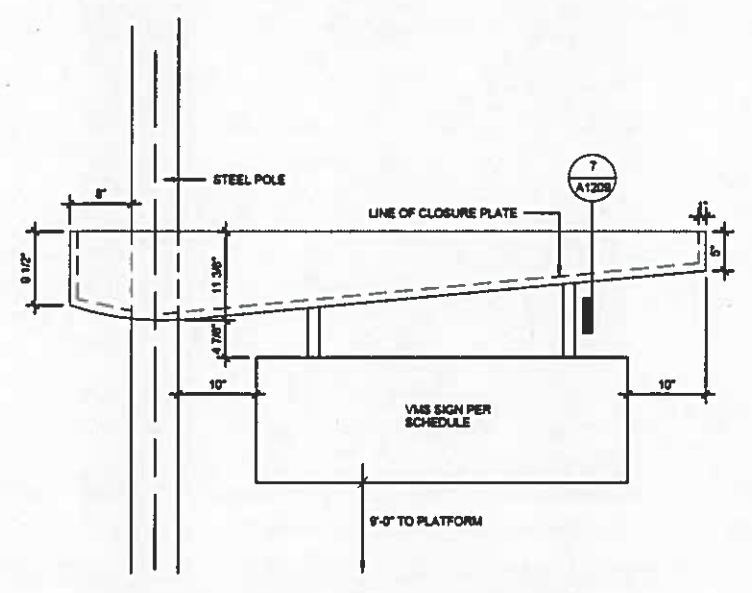
5 C8 SIGN HORIZONTAL SECTION VIEW
A1212 3" = 1'-0"



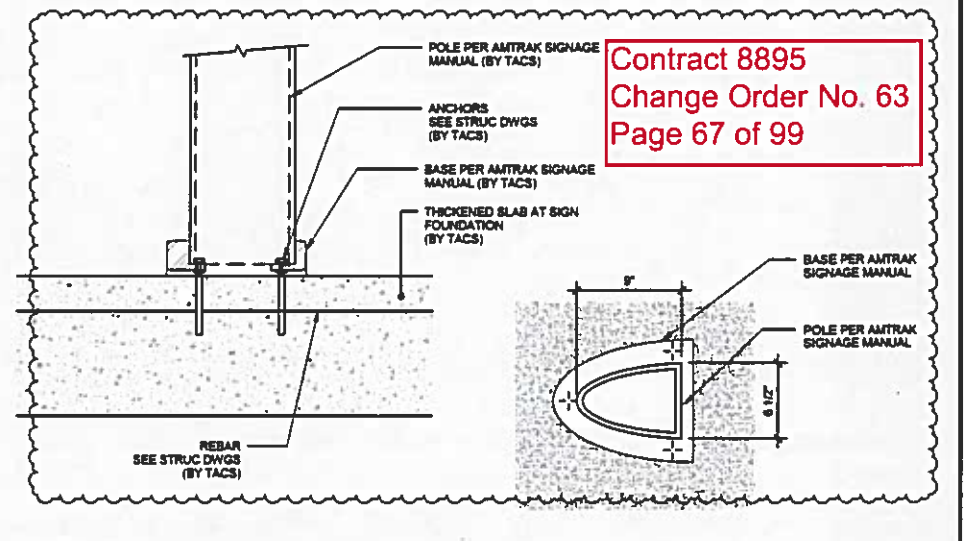
6 VMS SIGN AT SECOND CANOPY
3" = 1'-0"



7 VMS SIGN AT FREESTANDING POLE
A1209 3" = 1'-0"



8 VMS SIGN AT FREESTANDING POLE - ELEV.
1" = 1'-0"



9 BASE MOUNT @ TACS A11 FOOTING
A200 1 1/2" = 1'-0"

Contract 8895
Change Order No. 63
Page 67 of 99

FILE NAME: C:\Users\twest\Documents\1802223 BF AR twest.rvt				REGION NO. STATE		FED.AID PROJ.NO.		7888 REGISTERED ARCHITECT <i>Alan Hart</i> Alan Hart STATE OF WASHINGTON 03/21/2017	VIA	Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION		PLAN REF NO A1209
DATE:	3/21/2017			10	WASH	FR-HSR-0017-11-01-06							SIGNAGE DETAILS
TIME:	11:22:42 PM			JOB NUMBER	16X330	LOCATION NO.							
PLOTTED BY:				CONTRACT NO.		XL3982							
DESIGNED BY:	C. CALVERT												
ENTERED BY:	C. CALVERT												
CHECKED BY:	S. McDONALD												
PROJ. ENGR:	PCO 002 REV 1 - REPLACES ORIG CONTRACT	A1209	03/21/2017	BP									
REGIONAL ADM:	REVISION		DATE	BY									

INDEX

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 1
1 - 5	IN1 - IN5	INDEX
6	VM1	VICINITY MAP
7 - 8	SQ1 - SQ2	SUMMARY OF QUANTITIES
9	HL1	HAUL ROUTE PLAN
10	GN1	LEGEND AND SYMBOLS
11	GN2	ABBREVIATIONS
12	CT1	HORIZONTAL/VERTICAL CONTROL PLAN
13 - 14	RW1 - RW2	RIGHT OF WAY PLAN
15	ST1	STAGING PLAN EAST 25TH STREET
16 - 20	SP1 - SP5	SITE PREPARATION PLAN
20A	SP5A	SITE PREPARATION PLAN
21 - 25	HMT - HM5	HAZARDOUS MATERIALS PLAN
26	HM6	HAZARDOUS MATERIALS NOTES AND DETAILS
27 - 31	EC1 - EC5	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
31A	EC5A	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
32	EC6	EROSION AND SEDIMENTATION CONTROL DETAILS
33	RS1	EAST 25TH STREET TYPICAL SECTIONS
34	RS2	TYPICAL SECTIONS
35 - 39	PV1 - PV5	PAVING PLAN
39A	PV5A	PAVING PLAN
40 - 41	PV6 - PV7	PAVING DETAILS
41A - 41C	PV7A - PV7C	PAVING DETAILS
42 - 43	DR1 - DR2	DRAINAGE AND UTILITY PLAN
45, 45A, 45B	DR4, DR4A, DR4B	DRAINAGE AND UTILITY PLAN
46 - 47	DD1 - DD2	DRAINAGE AND UTILITY DETAILS
47A	DD2A	DRAINAGE AND UTILITY DETAILS

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 1
48 - 51	UT1 - UT4	ACCESS CONTROL AND SIGNING AND PAVEMENT MARKING PLAN
52 - 53	PM1 - PM2	SIGNING AND PAVEMENT MARKING PLAN
53A - 53C	PM2A - PM2C	SIGNING AND PAVEMENT MARKING PLAN
54	WF1	WAYFINDING SIGN SCHEDULE
55 - 61	WF2 - WF8	WAYFINDING PLAN
62 - 65	TC1 - TC4	TRAFFIC CONTROL PLAN
66	TC5	STATION DETOUR ROUTE MAP
67	A001	GENERAL NOTES
68	A002	ABBREVIATIONS & SYMBOLS
69	A005	CODE COMPLIANCE
70	A006	CODE INFORMATION
71	A007	PLATFORM CODE
72	A008	FHS GRADE LEVEL CODE PLAN
73	A009	FHS WEST MEZZ LVL CODE PLAN
74	A010	TECHNICAL NOMENCLATURE
75 - 76	A020 - A021	ASSEMBLY SCHEDULE
77	A030	DOOR & WINDOW SCHEDULES & TYPES
78	A040	FINISH SCHEDULE
79	A050	DEMOLITION PLAN - MAIN LEVEL
80	A051	DEMOLITION PLAN - MEZZANINE LEVEL
81	A052	ENLARGED DEMOLITION PLAN - WEST
82	A053	ENLARGED DEMOLITION PLAN - EAST
82A	A053A	SITE DEMOLITION PLAN
83	A100	SITE PLAN
84	A110	PLATFORMS - EAST
85	A111	PLATFORMS - CENTER

**PARSONS
BRINCKERHOFF**

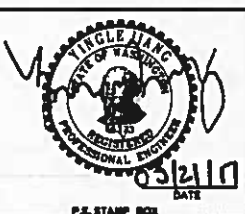
999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-5200

PLAN REFERENCE NO.
SHEET NO.
OF
SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

Contract 8895
Change Order No. 63
Page 68 of 99

FILE NAME	J:\160212_WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS P3 INDEX TASK6 E25.dgn		
TIME	6:57:06 PM	REGION NO.	10
DATE	3/21/2017	STATE	WASH
PLOTTED BY	RJY	JOB NUMBER	16X330
DESIGNED BY	Y. JIANG	CONTRACT NO.	
ENTERED BY	Y. JIANG	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06
CHECKED BY	Y. RJU	LOCATION NO.	XL3982
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT IN1	DATE	03/21/2017
REGIONAL ADM.	REVISION	BY	YJ



Washington State Department of Transportation

PROJ. DEVELOPMENT ENGR. _____ DATE _____

Plot 6
PLAN REF NO
IN1
SHEET
166
OF
317
SHEETS

TACOMA AMTRAK CASCADES STATION

INDEX

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 2
244	P202	MEZZANINE PLUMBING PLAN
245	P203	ROOF PLUMBING PLAN
246	ED01	ELECTRICAL LEGEND AND ABBREVIATIONS
247	E002	ELECTRICAL GENERAL NOTES
248 - 249	E003 - E004	ELECTRICAL SCHEDULES
250 - 251	ED100 - ED101	MAIN LEVEL - ELECTRICAL DEMOLITION
252	ED102	MEZZANINE - ELECTRICAL DEMOLITION
253	ED103	NORTH PLATFORM EAST - ELECTRICAL DEMOLITION
254	ED104	NORTH PLATFORM CENTER - ELECTRICAL DEMOLITION
255	ED105	NORTH PLATFORM CENTER WEST - ELECTRICAL DEMOLITION
256	ED106	NORTH PLATFORM WEST - ELECTRICAL DEMOLITION
257 - 262 262A - 262C 263	ED107 - ED112 ED112A - ED112C E100	EXISTING DEMOLITION PHOTOS EAST 25TH ELECTRICAL SITE DEMOLITION PLAN ELECTRICAL SITE PLAN
264	E101	NORTH PLATFORM EAST - POWER & SYSTEMS PLAN
265	E102	NORTH PLATFORM CENTER - ELECTRICAL & SYSTEMS PLAN
266	E103	NORTH PLATFORM CENTER WEST - ELECTRICAL & SYSTEMS PLAN
267	E104	NORTH PLATFORM WEST - POWER & SYSTEMS PLAN
268	E105	NORTH PLATFORM EAST - LIGHTING PLAN
269	E106	NORTH PLATFORM CENTER - LIGHTING PLAN
270	E107	NORTH PLATFORM CENTER WEST - LIGHTING PLAN

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE: VOLUME 2
271	E108	NORTH PLATFORM WEST - LIGHTING PLAN
272 272A - 272C 273	E109 E109A - E109C E200	SOUTH PLATFORM CENTER WEST - ELECTRICAL & SYSTEMS PLAN EAST 25TH ELECTRICAL SITE PLAN PLATFORM LEVEL - POWER PLAN
274	E201	MEZZANINE - POWER PLAN
275	E202	ROOF - ELECTRICAL PLAN
276	E300	PLATFORM LEVEL - LIGHTING PLAN
277	E301	MEZZANINE - LIGHTING PLAN
278	E400	PLATFORM LEVEL - LOW VOLTAGE SYSTEMS PLAN
279	E401	MEZZANINE - LOW VOLTAGE SYSTEMS PLAN
280	E500	EXISTING FHS/ST POWER ONE-LINE DIAGRAM
281	E501	NEW AMTRAK STATION/SOUND TRANSIT POWER ONE-LINE DIAGRAM
282	E502	EXISTING FHS WEST ONE-LINE DIAGRAM
283	E503	ELECTRICAL DETAILS
284 - 285	E504 - E505	LIGHTING CONTROLS
286	E506	LIGHTING DETAILS
287 - 288	E507 - E508	ELECTRICAL DETAILS
289	E509	FIRE ALARM RISER DIAGRAM
290 - 291	E510 - E511	ENLARGED ELECTRICAL PLANS
292	E512	SYSTEMS INTERCONNECTION DIAGRAM
293	E513	POWER INTERCONNECTION DIAGRAM
294	E514	INTERCONNECTION DETAILS
295 - 298 299 - 302 303 - 307 308 - 312 313 - 317	E500 - E503 TN1, TS1 - TS3 LSN1, LS1 - LS3, LSD1 LPN1, LP1 - LP3, LPD1 IRN1, IR1 - LP3, IRD1	PANELBOARD SCHEDULES TRAFFIC SIGNAL PLAN LANDSCAPE SITE PLAN PLANTING PLAN IRRIGATION PLAN

Contract 8895
Change Order No. 63
Page 70 of 99

PLAN REFERENCE NO.
SHEET NO.
OF
SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	J:\160232_WSDOT_OnCallRailCADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS INDEX_TASK6 E25.dgn	REGION NO.	STATE	FED.AID PROJ.NO.
TIME	5:01:06 PM	10	WASH	FR-HSR-0017-11-01-05
DATE	3/20/2017	JOB NUMBER		
PLOTTED BY	NelsonE	16X330		
DESIGNED BY	Y. JIANG	CONTRACT NO.		LOCATION NO.
ENTERED BY	Y. JIANG			XL3982
CHECKED BY	Y. RIU			
PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT INS	DATE	03/21/2017	BY
REGIONAL ADM.	REVISION			



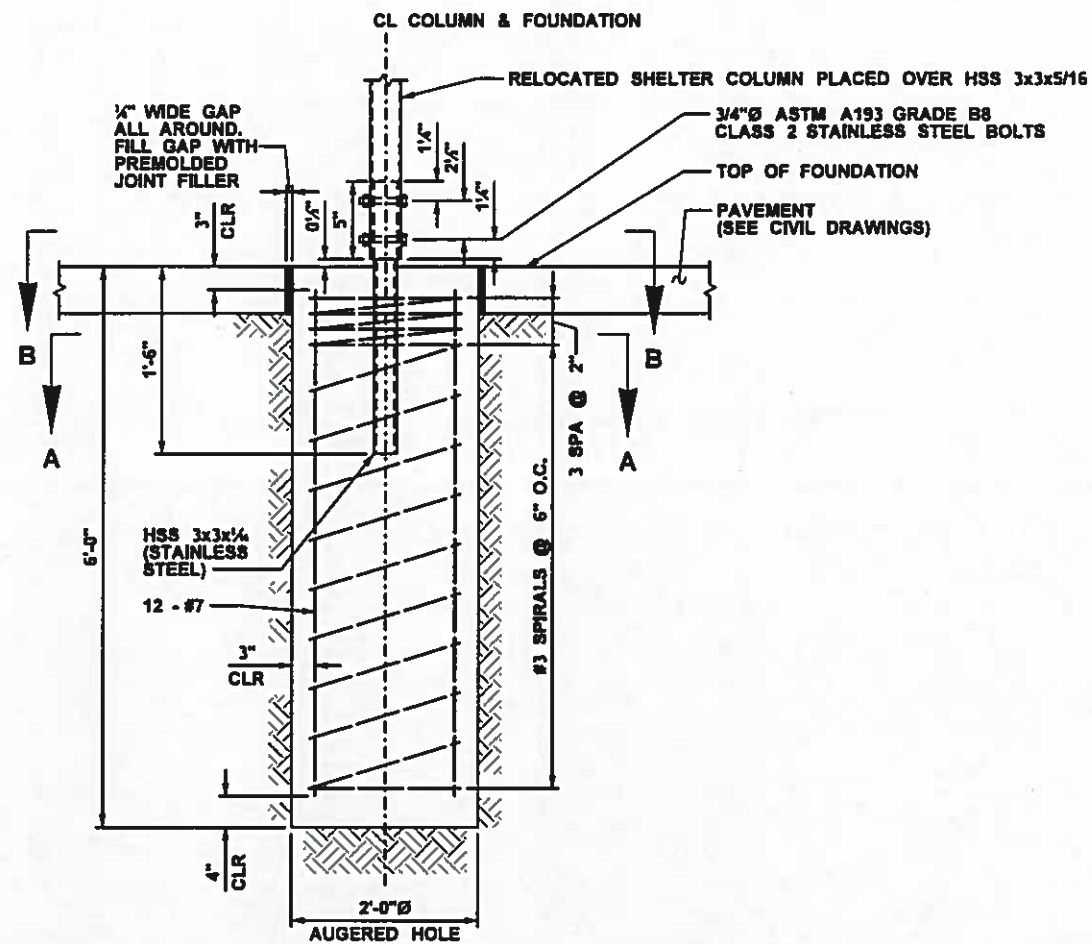
PARSONS BRINCKERHOFF
999 3RD AVENUE, SUITE 3200
SEATTLE, WASHINGTON 98104-4020
PH: 206-382-5200



TACOMA AMTRAK CASCADES STATION

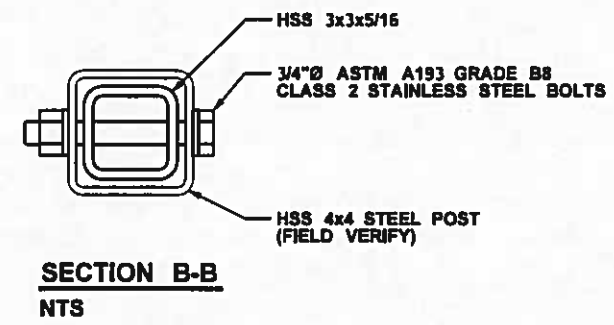
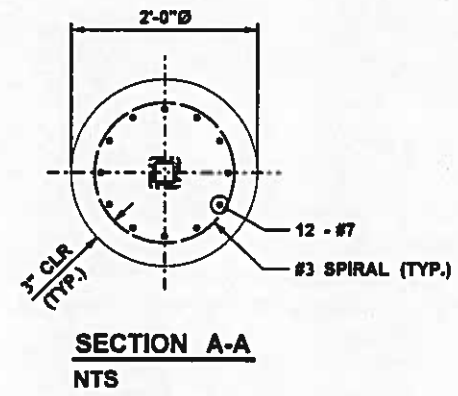
INDEX

Plot 10
PLAN REF NO
IN5
SHEET
170
OF
317
SHEETS



- NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF ALL EXISTING STRUCTURES. IN THE CASE OF FIELD CONDITIONS DIFFERENT THAN SHOWN ON PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER.
 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS BEFORE FABRICATION OF ANY STRUCTURAL STEEL MEMBERS.

FOUNDATION - RELOCATED SHELTER COLUMN (TYPICAL) 1
NTS



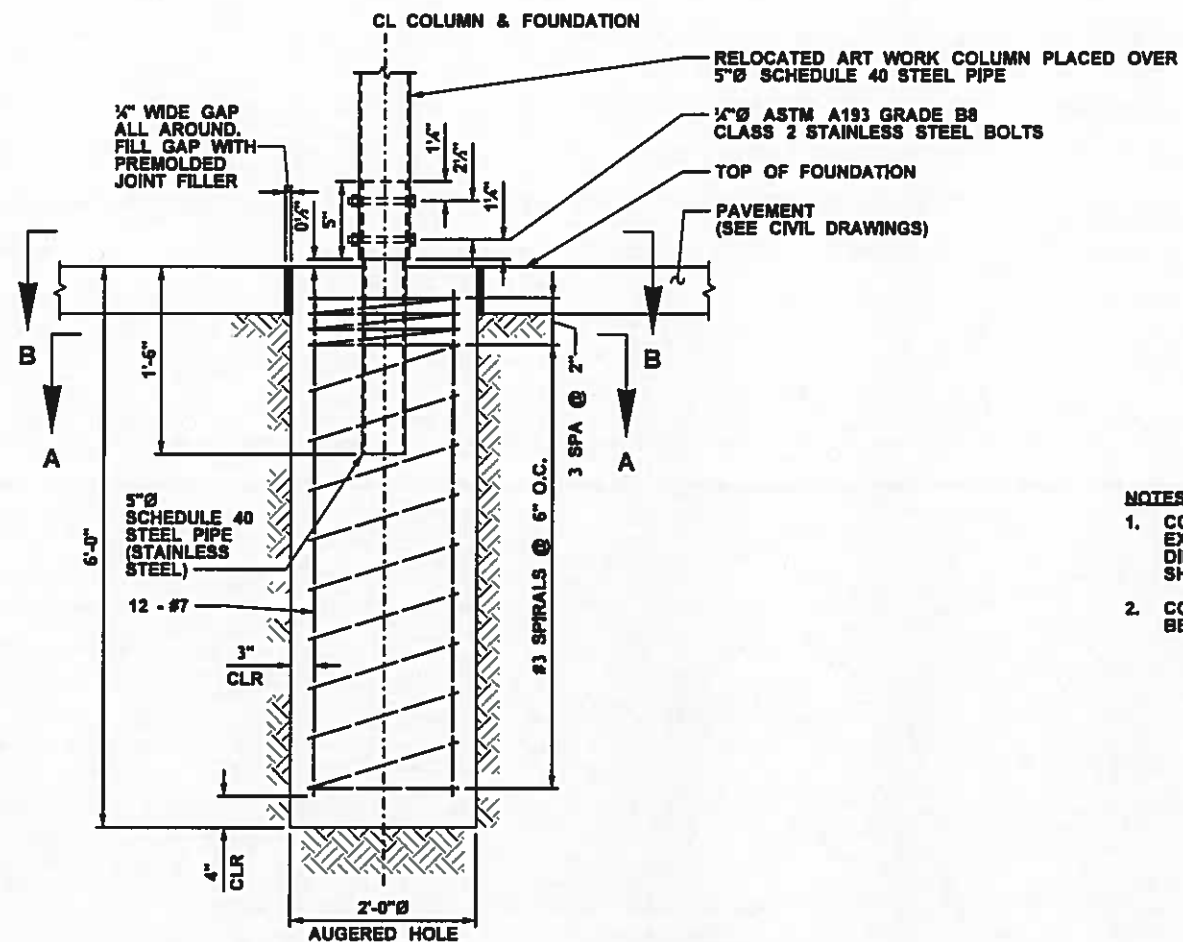
PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:

Contract 8895
Change Order No. 63
Page 71 of 99

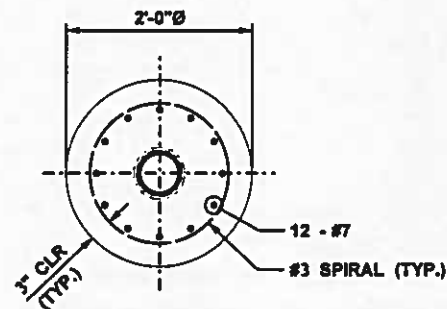
FILE NAME	J:\160232 WSDOT_OnCallRail\CADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS BU Task6 E25.dgn			REGION NO.	STATE	FED.AID PROJ.NO.		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	PLAN REF NO S573A
TIME	5:14:34 PM			10	WASH	FR-HSR-0017-11-01-06				RELOCATED SHELTER FOUNDATION	SHEET 219A OF 317 SHEETS
DATE	3/21/2017			JOB NUMBER		XL3982					
PLOTTED BY	NelsonE			CONTRACT NO.							
DESIGNED BY	A. WAHIDI										
ENTERED BY	E. NELSON										
CHECKED BY											
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET			DATE	03/21/2017	BY	AW				
REGIONAL ADM.	REVISION										



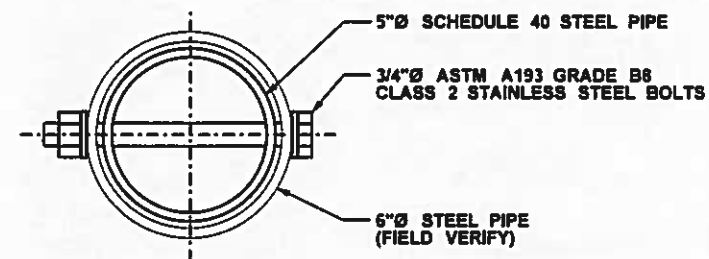
NOTES:

1. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF ALL EXISTING STRUCTURES. IN THE CASE OF FIELD CONDITIONS DIFFERENT THAN SHOWN ON PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS BEFORE FABRICATION OF ANY STRUCTURAL STEEL MEMBERS.

FOUNDATION - RELOCATED ART WORK COLUMN 2
NTS



SECTION A-A
NTS



SECTION B-B
NTS

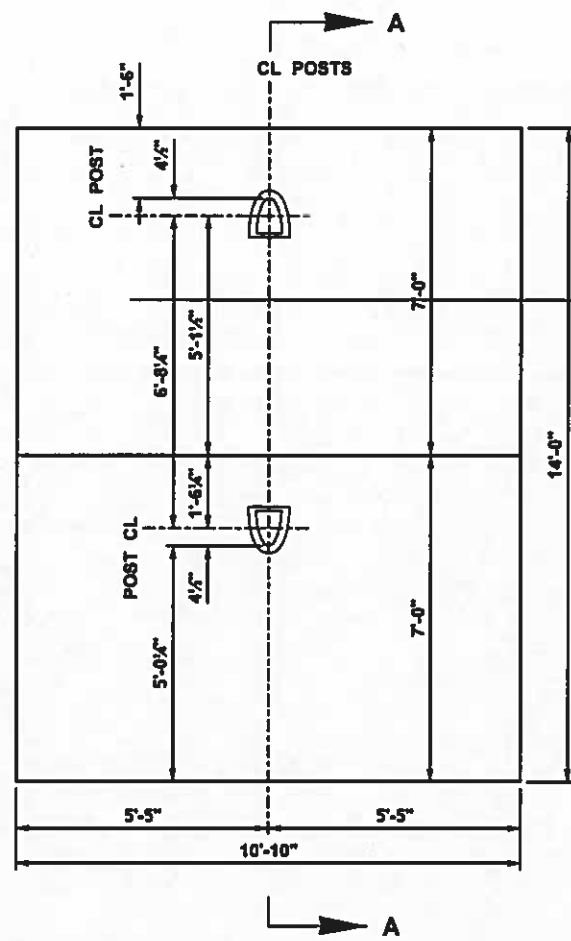
Tacoma **PUBLIC WORKS DEPARTMENT**

Approved: *[Signature]* 3/28/17
CONSTRUCTION DIVISION

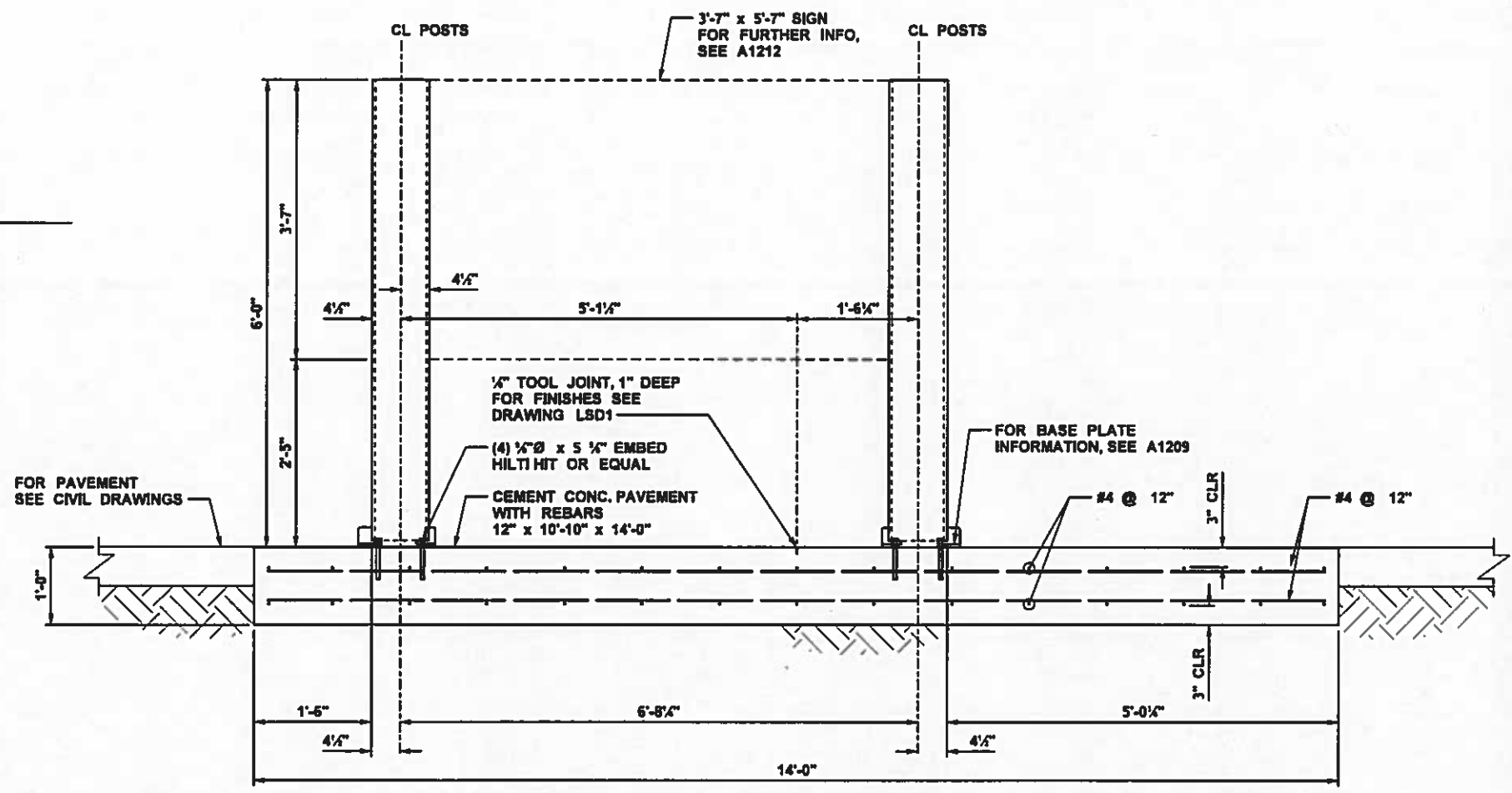
Work Order No.:

Contract 8895
Change Order No. 63
Page 72 of 99

FILE NAME: J:\160232_WSDOT_OnCall\RA\ADD\CV\SH\Task 6 Station\PCO 002 East 25th\FHS PS_BU_Task6 E25.dgn		REGION NO.:	STATE:	FED.AID PROJ.NO.:		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	PLAN REF NO:
TIME: 5:15:26 PM	DATE: 3/21/2017	10	WASH	FR-HSR-0017-11-01-06					S573B
PLOTTED BY: NelsonE	DESIGNED BY: A. WAHIDI	JOB NUMBER: 16X330	CONTRACT NO.:	LOCATION NO.:		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	SHEET:
ENTERED BY: E. NELSON	CHECKED BY:	PCO 0021REV 1 - ADDED SHEET	03/21/2017	AW					219B
PROJ. ENGR.:	REGIONAL ADM.:	REVISION:	DATE:	BY:	XL3982				OF:
									317
									SHEETS:
									RELOCATED ART WORK FOUNDATION



PLAN - AMTRAK MONUMENT SIGN FOUNDATION
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"

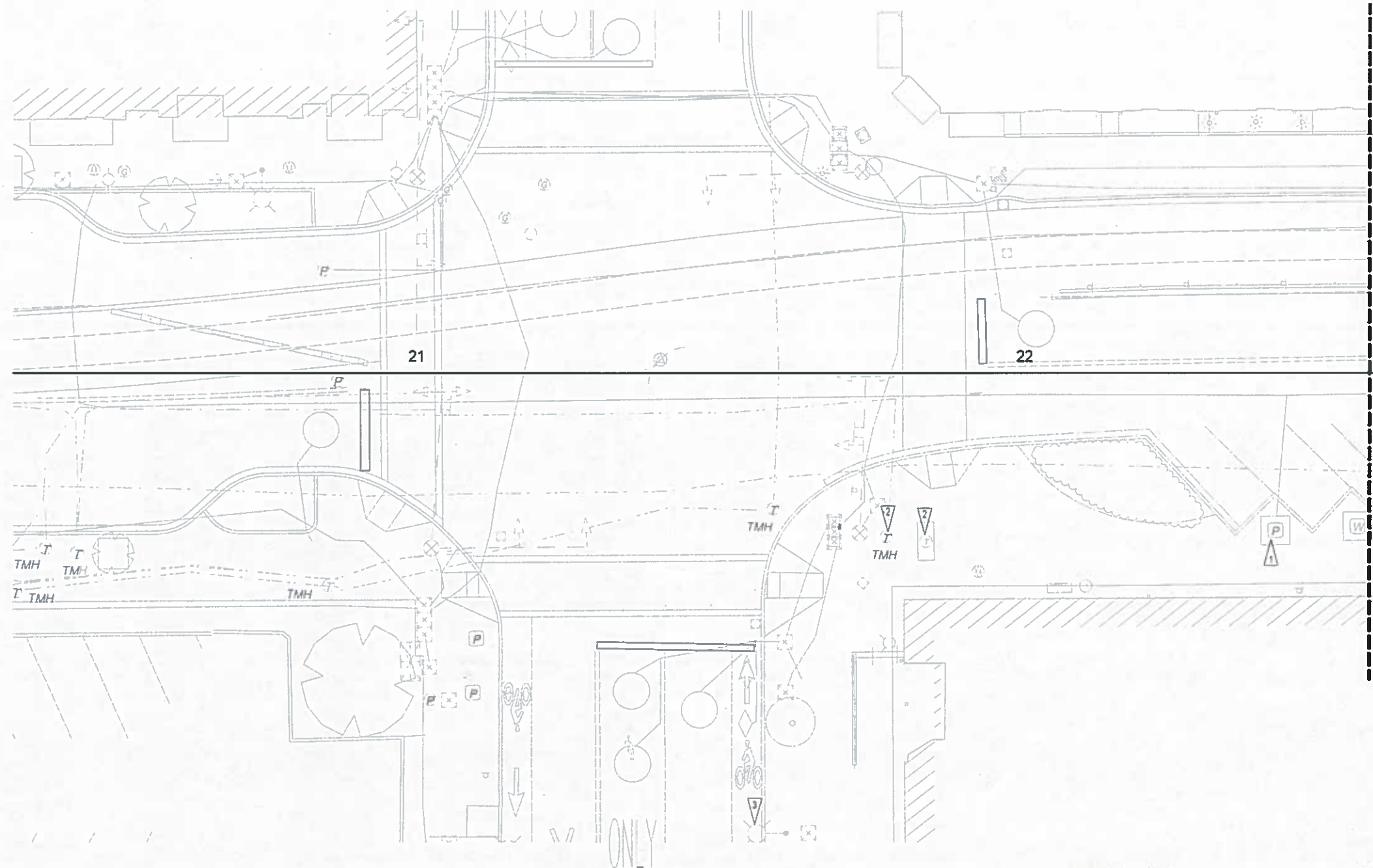
PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:

Contract 8895
Change Order No. 63
Page 73 of 99

FILE NAME	J:\160232 WSDOT OnCallRailCADD\CIV\SH\Task 6 Station\PCO 002 East 25th\FHS PS BU Task6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-5200		Plot 3	
TIME	5:16:16 PM	JOB NUMBER	16X330	CONTRACT NO.		LOCATION NO.	XL3982				TACOMA AMTRAK CASCADES STATION	
DATE	3/21/2017	DESIGNED BY		ENTERED BY		PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017	BY	AW	SHEET 219C OF 317 SHEETS
PLOTTED BY	NelsonE	CHECKED BY		REGIONAL ADM.		REVISION						AMTRAK MONUMENT SIGN FOUNDATION



GENERAL NOTES:

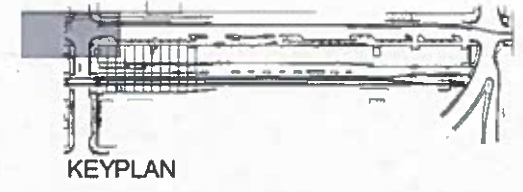
1. ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING
2. ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES, AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED.

SHEET NOTES:

1. EXISTING ELECTRICAL VAULT. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
2. EXISTING TELECOMMUNICATIONS MANHOLE. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
3. EXISTING POLE LIGHT TO REMAIN. PROTECT IN PLACE AND MAINTAIN EXISTING CIRCUITING

SEE SHEET ED112B

1 EAST 25TH ST ELECTRICAL SITE DEMOLITION PLAN
1" = 10'-0"



Contract 8895
Change Order No. 63
Page 75 of 99

PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3/21/17

Tacoma CONSTRUCTION DIVISION

Work Order No.:

FILE NAME: C:\Users\bprehoda\Documents\1602325_BF_MP_bprehoda.rvt

DATE:	3/21/2017	TIME:	12:08:25	PLOTTED BY:	B. PREHODA	DESIGNED BY:	R. TRAINER	ENTERED BY:	B. PREHODA	CHECKED BY:	P. LEKHAKUL	PROJ. ENGR:	B. ALWARD	REGIONAL ADM:	B. ALWARD
PCO 002 REV 1- ADDED SHEET REVISION															
03/21/2017 RT DATE BY															
REGION NO STATE				FED.AID PROJ.NO.				JOB NUMBER				CONTRACT NO.			
10 WASH				FR-HSR-0017-11-01-06				16X330				XL3982			
WOOD HARBINGER				WOOD HARBINGER				WOOD HARBINGER				WOOD HARBINGER			
3009 122th Ave NE, Suite 100, Bellevue WA 98004, 425.628.6000, woodharbinger.com				WASHINGTON STATE DEPARTMENT OF TRANSPORTATION				TACOMA AMTRAK CASCADES STATION				EAST 25TH ST ELECTRICAL SITE DEMOLITION PLAN			
														PLAN REF NO	ED112A
														SHEET	262A
														OF SHEETS	317

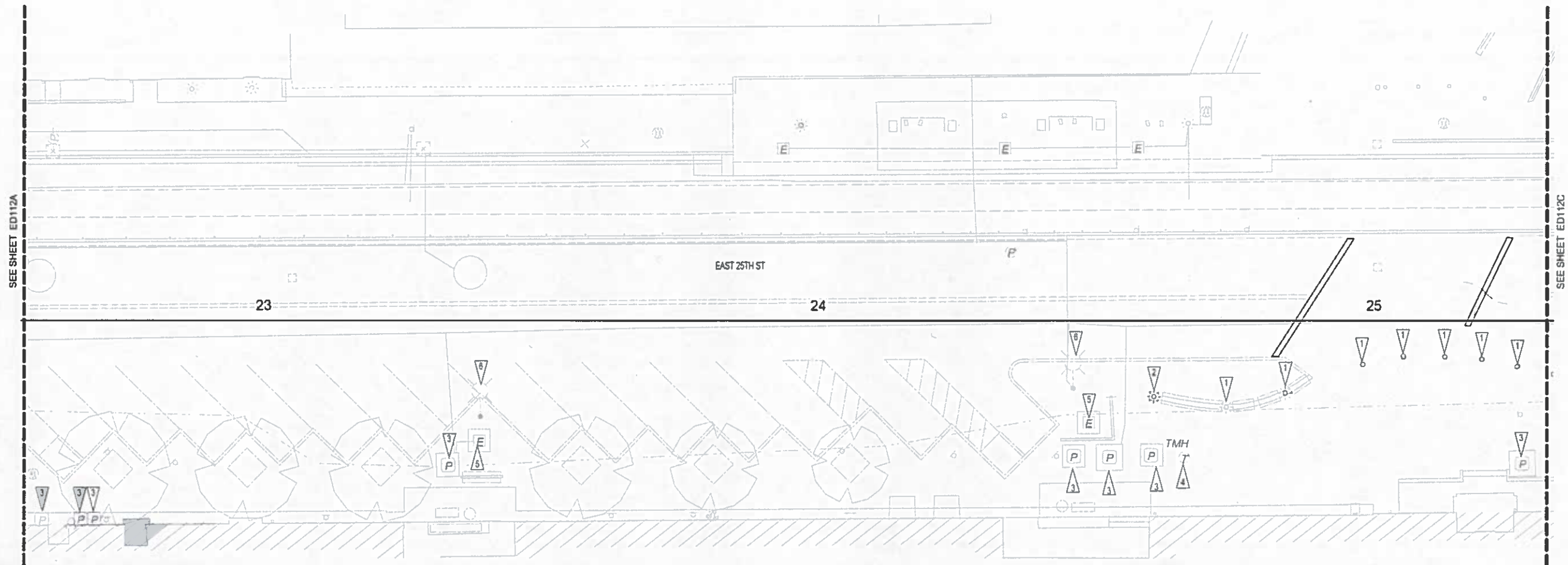
GENERAL NOTES:

- 1 ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING.
- 2 ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED.
- 3 ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES, AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED.

Contract 8895
Change Order No. 63
Page 76 of 99

SHEET NOTES:

- 1 REMOVE EXISTING ILLUMINATED BOLLARD. PRESERVE AND MAINTAIN EXISTING CONDUIT
- 2 REMOVE EXISTING POLE AND LIGHT. PRESERVE AND MAINTAIN EXISTING CONDUIT
- 3 EXISTING ELECTRICAL VAULT. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
- 4 EXISTING TELECOMMUNICATIONS MANHOLE. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
- 5 EXISTING ELECTRICAL TRANSFORMER. PROTECT IN PLACE AND MAINTAIN EXISTING CIRCUITING
- 6 EXISTING POLE LIGHT TO REMAIN. PROTECT IN PLACE AND MAINTAIN EXISTING CIRCUITING

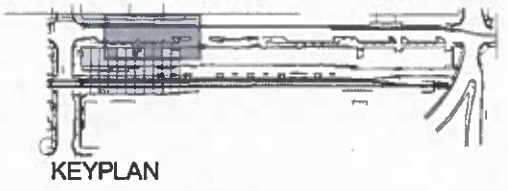


PUBLIC WORKS DEPARTMENT

Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION

Work Order No.:

1 EAST 25TH ST ELECTRICAL SITE DEMOLITION PLAN
1" = 10'-0"



FILE NAME: C:\Users\bprehoda\Documents\1602325_BF_MP_bprehoda.rvt		REGION NO. STATE		FED.AID PROJ.NO.					TACOMA AMTRAK CASCADES STATION	PLAN REF NO.
DATE:	3/21/2017	10	WASH	FR-HSR-0017-11-01-06	ED112B					
TIME:	12:08:37	JOB NUMBER	16X330	LOCATION NO.	XL3982	WOOD HARBINGER	3009 122th Ave NE, Suite 100 Bellevue, WA 98004 425.628.6000 woodharbinger.com	Washington State Department of Transportation	EAST 25TH ST ELECTRICAL SITE DEMOLITION PLAN	SHEET
PLOTTED BY:	B. PREHODA	CONTRACT NO.								262B
DESIGNED BY:	R. TRAINER									OF SHEETS
ENTERED BY:	B. PREHODA									317
CHECKED BY:	P. LEKHAKUL									
PROJ. ENGR:	B. ALWARD	PCO 002 REV 1 - ADDED SHEET	03/21/2017	RT						
REGIONAL ADM:		REVISION	DATE	BY						

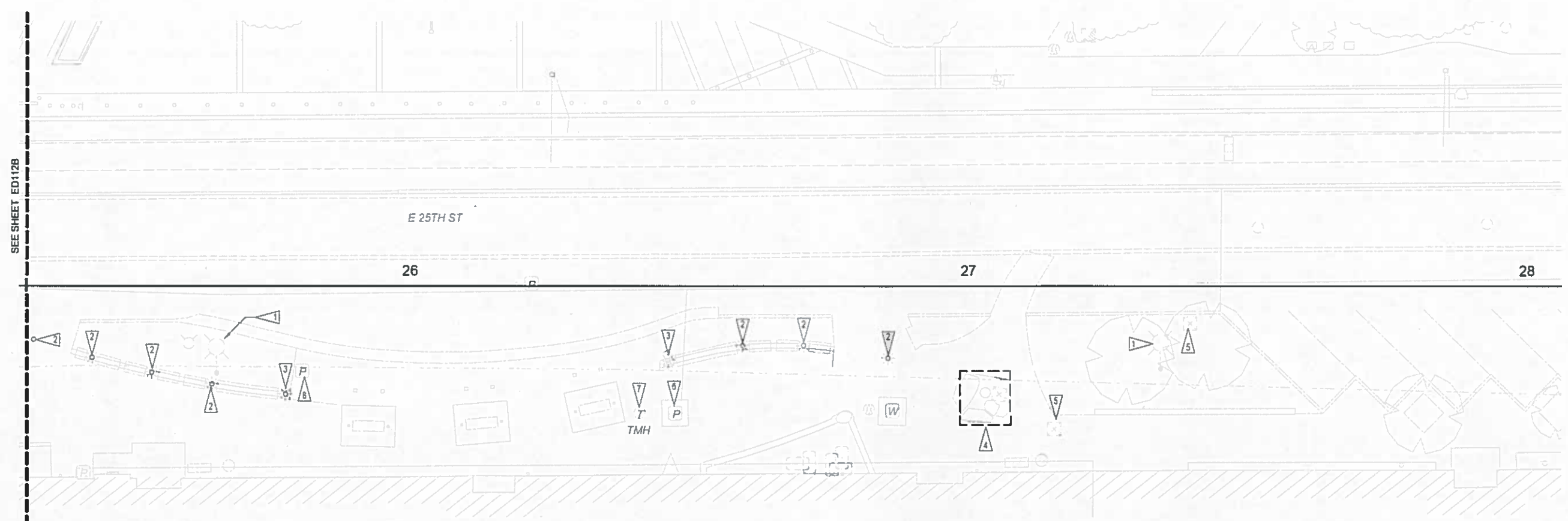
GENERAL NOTES:

- 1 ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING.
- 2 ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED.
- 3 ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES, AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED.

Contract 8895
Change Order No. 63
Page 77 of 99

SHEET NOTES:

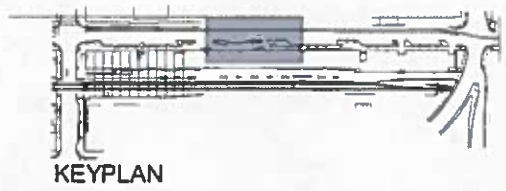
- 1 EXISTING POLE LIGHT TO REMAIN. PROTECT IN PLACE AND MAINTAIN EXISTING CIRCUITING.
- 2 REMOVE EXISTING ILLUMINATED BOLLARD. PRESERVE AND MAINTAIN EXISTING CONDUIT.
- 3 REMOVE EXISTING POLE AND LIGHT. PRESERVE AND MAINTAIN EXISTING CONDUIT.
- 4 REMOVE EXISTING IN-GROUND LIGHTING IN THIS AREA.
- 5 EXISTING LIGHTING HANDHOLE. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
- 6 EXISTING ELECTRICAL VAULT. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
- 7 EXISTING TELECOMMUNICATIONS MANHOLE. REMOVE EXISTING LOCKING LID HARDWARE AND COVER. REPLACE WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
- 8 EXISTING LIGHTING HANDHOLE TO BE REMOVED. SEE SHEET E109C FOR EXTENSION OF EXISTING CONDUITS.



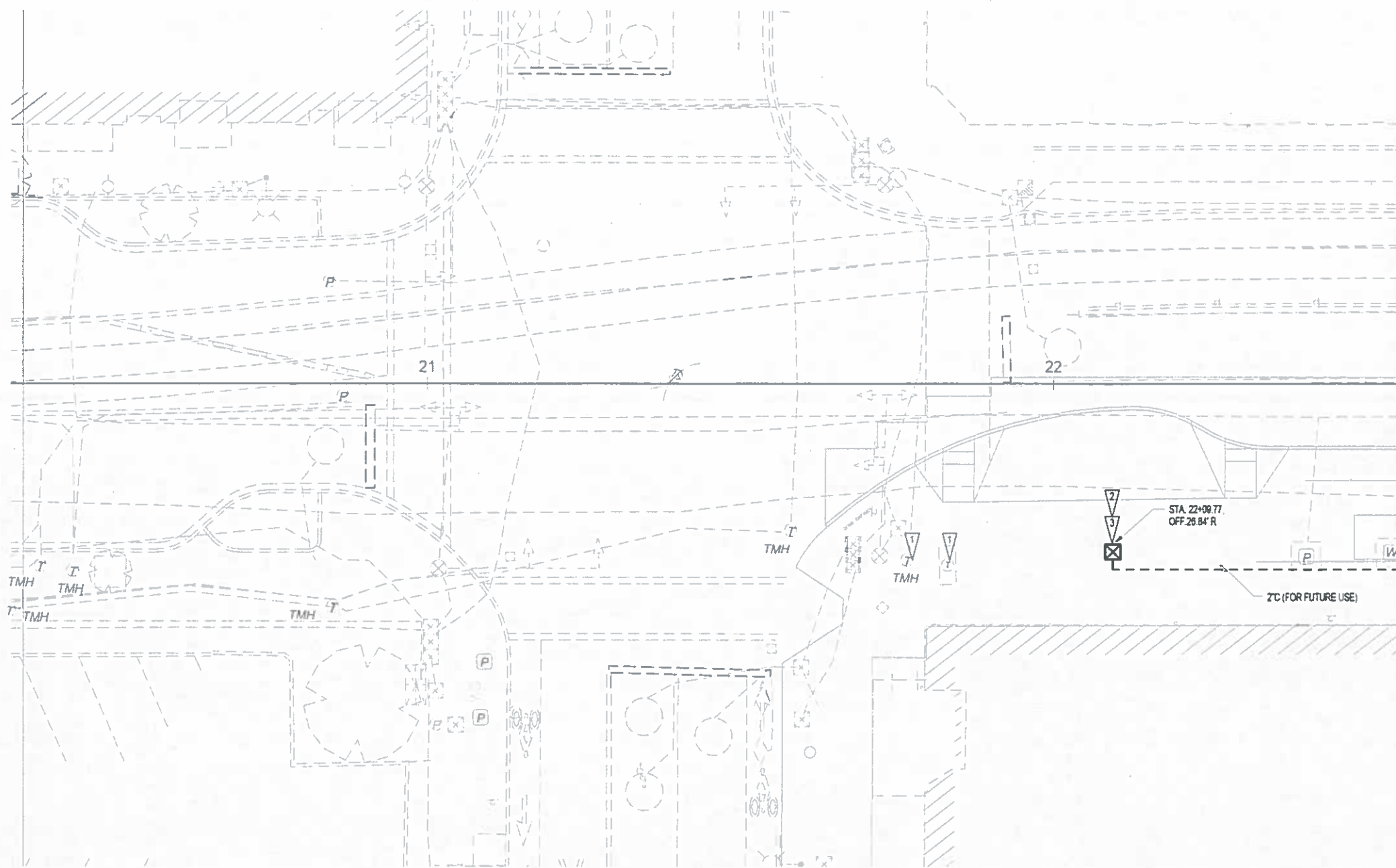
SEE SHEET ED112B

PUBLIC WORKS DEPARTMENT
Tacoma
Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION
Work Order No.:

1 EAST 25TH ST ELECTRICAL SITE DEMOLITION PLAN
1" = 10'-0"



FILE NAME: C:\Users\bprehoda\Documents\1602325_BF_MP_bprehoda.rvt		REGION NO. STATE		FED.AID PROJ.NO.					TACOMA AMTRAK CASCADES STATION	PLAN REF NO
DATE: 3/21/2017	TIME: 12:08:41	10 WASH	FR-HSR-0017-11-01-06	LOCATION NO.	ED112C					
PLOTTED BY: B. PREHODA	DESIGNED BY: R. TRAINER	JOB NUMBER: 16X330							SHEET	
ENTERED BY: B. PREHODA	CHECKED BY: P. LEKHAKUL	CONTRACT NO.							262C	
PROJ. ENGR: B. ALWARD	REGIONAL ADM:	PCO 002 REV 1 - ADDED SHEET	03/21/2017	RT					OF SHEETS	
		REVISION	DATE	BY					317	



GENERAL NOTES:

1. ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING
2. ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED
3. ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED.
4. ALL LIGHTING HANDHOLES TO BE REPLACED WITH WSDOT TYPE 1 JUNCTION BOXES WITH LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
5. ANY SPlicing SHALL CONFORM TO CITY OF TACOMA STANDARD DRAWING SL-05
6. COORDINATE ALL ELECTRICAL WORK AND SCHEDULES WITH TACOMA POWER.

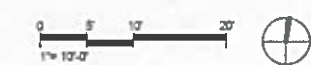
SHEET NOTES:

1. REPLACE COVER WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER. REFER TO CIVIL DRAWINGS FOR FINAL ELEVATIONS OF HANDHOLES AND VAULTS
2. NEW LIGHTING HANDHOLE FOR FUTURE. HANDHOLE SHALL BE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
3. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING AND COORDINATING BEST LOCATION TO SUIT EXISTING CONDITIONS AND FUTURE ACCESSIBILITY.

1 EAST 25TH ST ELECTRICAL SITE PLAN
1" = 10'-0"



Contract 8895
Change Order No. 63
Page 78 of 99



Tacoma PUBLIC WORKS DEPARTMENT
 Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION
 Work Order No.:

FILE NAME: C:\Users\bprehoda\Documents\160232S_BF_MP_bprehoda.rvt

DATE:	3/21/2017				
TIME:	12:08:20				
PLOTTED BY:	B. PREHODA				
DESIGNED BY:	R. TRAINER				
ENTERED BY:	B. PREHODA				
CHECKED BY:	P. LEKHAKUL				
PROJ. ENGR:	B. ALWARD	PCO 002 REV 1- ADDED SHEET	03/21/2017	RT	
REGIONAL ADM:		REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	FR-HSR-0017-11-01-06
JOB NUMBER		LOCATION NO.
16X330		XL3982
CONTRACT NO.		



Wood Harbinger
 3009 112th Ave NE,
 Suite 100
 Bellevue WA 98004
 425.628.6000
 woodharbinger.com

Washington State Department of Transportation

TACOMA AMTRAK CASCADES STATION
 EAST 25TH ST ELECTRICAL SITE PLAN

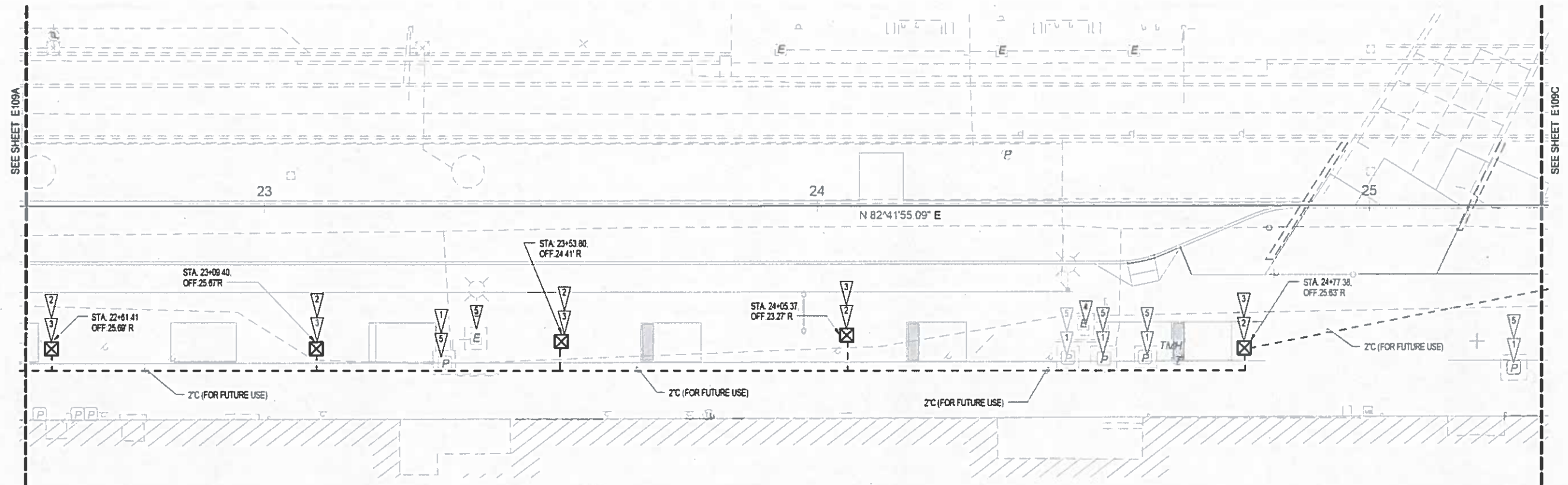
PLAN REF NO	E109A
SHEET	272A
OF SHEETS	317

GENERAL NOTES:

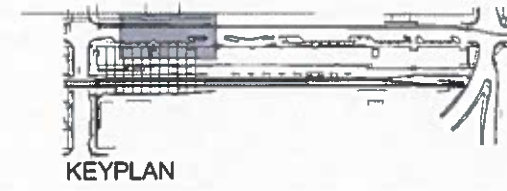
1. ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING
2. ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED
3. ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES, AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED.
4. ALL LIGHTING HANDHOLES TO BE REPLACED WITH WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID AND SLIP RESISTANCE.
5. ANY SPlicing SHALL CONFORM TO CITY OF TACOMA STANDARD DRAWING SL-05.
6. COORDINATE ALL ELECTRICAL WORK AND SCHEDULES WITH TACOMA POWER.

SHEET NOTES:

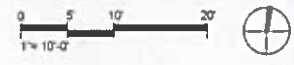
1. REPLACE COVER WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER. REFER TO CIVIL DRAWINGS FOR FINAL ELEVATIONS OF HANDHOLES AND VAULTS
2. NEW LIGHTING HANDHOLE FOR FUTURE. HANDHOLE SHALL BE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
3. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING AND COORDINATING BEST LOCATION TO SUIT EXISTING CONDITIONS AND FUTURE ACCESSIBILITY
4. TACOMA POWER TO RE-PAINT TRANSFORMER IN UTILITY STANDARD COLOR.
5. CONTRACTOR SHALL PROVIDE VAULT RISERS AND MATERIAL TO ADJUST THE HEIGHT OF THE EXISTING NOTED VAULTS. THIS CONTRACTOR SHALL SUBMIT THE MATERIALS TO TACOMA POWER TO INSTALL. CONTRACTOR TO ASSIST



1 EAST 25TH ST ELECTRICAL SITE PLAN
1" = 10'-0"



Contract 8895
Change Order No. 63
Page 79 of 99



PUBLIC WORKS DEPARTMENT
Tacoma
Approved: *[Signature]* 03-28-17
CONSTRUCTION DIVISION
Work Order No.:

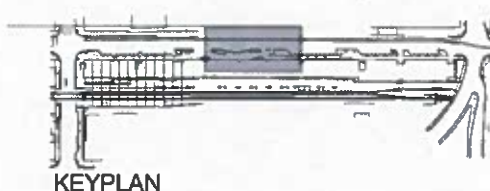
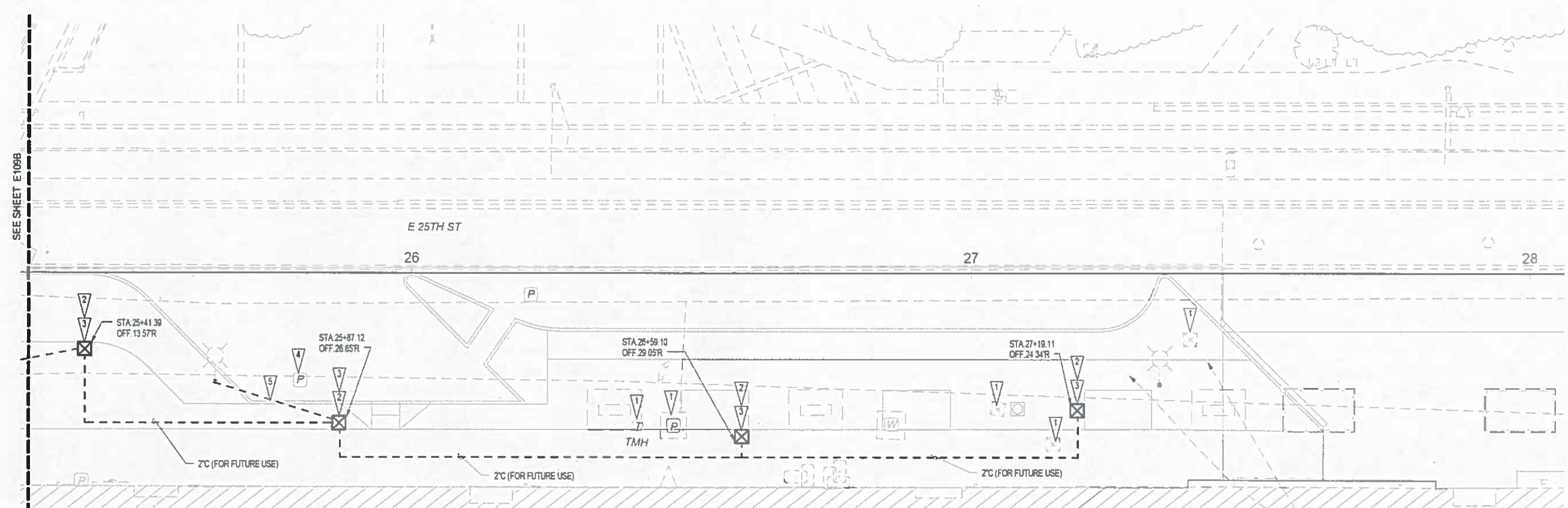
FILE NAME: C:\Users\bprehoda\Documents\1602325_BF_MP_bprehoda.rvt		REGION NO. STATE		FED.AID PROJ.NO.					TACOMA AMTRAK CASCADES STATION	PLAN REF NO
DATE: 3/21/2017	TIME: 12:08:29	10	WASH	FR-HSR-0017-11-01-06	E109B					
PLOTTED BY: B. PREHODA	DESIGNED BY: R. TRAINER	JOB NUMBER	16X330	LOCATION NO	XL3982	3009 122th Ave NE, Suite 100 Bellevue WA 98004 425.628.6000 woodharbinger.com	Washington State Department of Transportation	EAST 25TH ST ELECTRICAL SITE PLAN	SHEET	
ENTERED BY: B. PREHODA	CHECKED BY: P. LEKHAKUL	CONTRACT NO.							272B	
PROJ. ENGR: B. ALWARD	REGIONAL ADM:	PCO 002 REV 1 - ADDED SHEET	REVISION	DATE	BY				OF SHEETS	
				03/21/2017	RT			317		

GENERAL NOTES:

1. ALL POLE LIGHTS AND CIRCUITING ARE OWNED AND MAINTAINED BY THE CITY OF TACOMA. COORDINATE WITH THE CITY OF TACOMA PUBLIC WORKS ENGINEERING
2. ALL POLE LIGHTS TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL ELECTRICAL VAULTS, LIGHTING HANDHOLES, AND TELECOMMUNICATION MANHOLES TO REMAIN UNLESS OTHERWISE NOTED
4. ALL LIGHTING HANDHOLES TO BE REPLACED WITH WSDOT TYPE 1 JUNCTION BOXES WITH LOCKING LID AND SLIP RESISTANCE.
5. ANY SPlicing SHALL CONFORM TO CITY OF TACOMA STANDARD DRAWING SL-05.
6. COORDINATE ALL ELECTRICAL WORK AND SCHEDULES WITH TACOMA POWER.

SHEET NOTES:

1. REPLACE COVER WITH NEW LOCKING LID HARDWARE AND SLIP RESISTANCE COVER. REFER TO CIVIL DRAWINGS FOR FINAL ELEVATIONS OF HANDHOLES AND VAULTS
2. NEW LIGHTING HANDHOLE FOR FUTURE. HANDHOLE SHALL BE WSDOT TYPE 1 JUNCTION BOX WITH LOCKING LID HARDWARE AND SLIP RESISTANCE COVER.
3. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING AND COORDINATING BEST LOCATION TO SUIT EXISTING CONDITIONS AND FUTURE ACCESSIBILITY
4. EXISTING LIGHTING HANDHOLE TO BE REMOVED.
5. EXTEND EXISTING LIGHT POLE CONDUITS AND WIRING TO NEW LIGHTING HANDHOLE. FIELD VERIFY ROUTING



Contract 8895
Change Order No. 63
Page 80 of 99

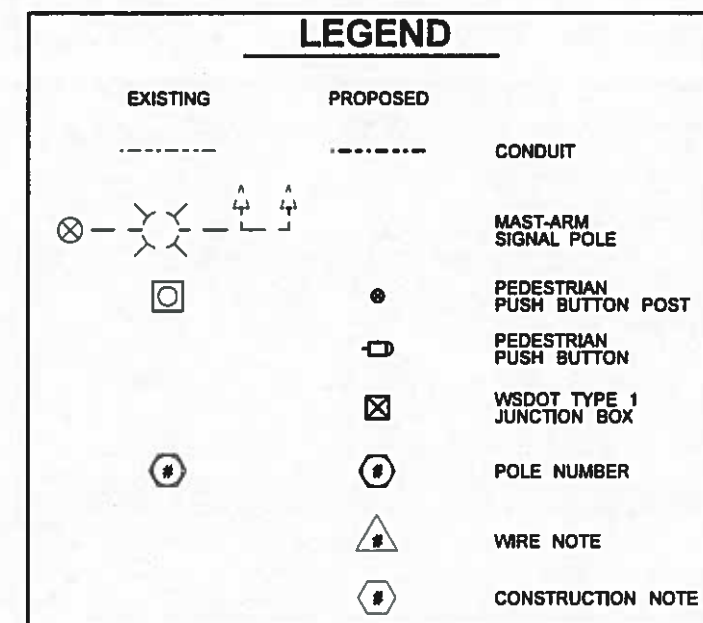
PUBLIC WORKS DEPARTMENT
Tacoma
Approved: *[Signature]* 3-28-17
CONSTRUCTION DIVISION
Work Order No.:

1 EAST 25TH ST ELECTRICAL SITE PLAN
1" = 10'-0"

FILE NAME: C:\Users\bprehoda\Documents\160232S_BF_MP_bprehoda.rvt		REGION NO. STATE		FED.AID PROJ.NO.					TACOMA AMTRAK CASCADES STATION	PLAN REF NO
DATE: 3/21/2017	TIME: 12:08:32	10	WASH	FR-HSR-0017-11-01-06	E109C					
PLOTTED BY: B. PREHODA	DESIGNED BY: R. TRAINER	JOB NUMBER: 16X330	CONTRACT NO.:	LOCATION NO.:	XL3982				SHEET 272C	
ENTERED BY: B. PREHODA	CHECKED BY: P. LEKHAKUL	PROJ. ENGR: B. ALWARD	REGIONAL ADM:	PCO 002 REV 1- ADDED SHEET REVISION	03/21/2017 RT				OF SHEETS 317	
					DATE BY				EAST 25TH ST ELECTRICAL SITE PLAN	

GENERAL NOTES:

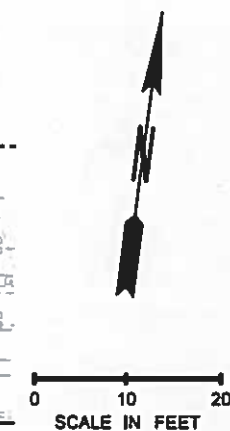
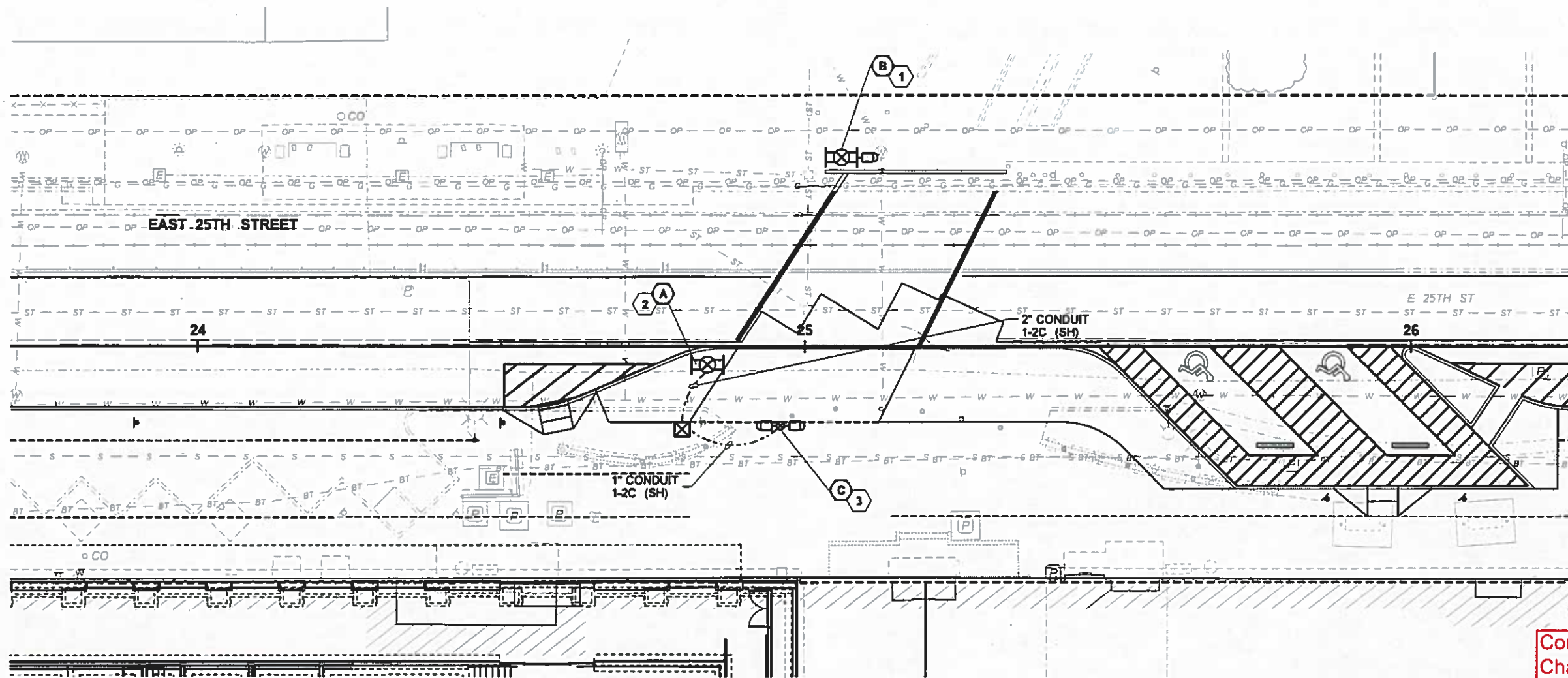
1. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED. COORDINATE ALL WORK WITH UTILITY COMPANIES TO ELIMINATE CONFLICT.
2. CONDUITS SHALL BE PLACED IN COMMON TRENCHES WHEN POSSIBLE.
3. ALL CONDUIT RUNS AND JUNCTION BOX LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS MAY BE ADJUSTED TO AVOID CONFLICTS AND FOR EASE OF CONSTRUCTION BUT MUST BE APPROVED BY RESIDENT ENGINEER PRIOR TO EXCAVATION.
4. ALL WRING TERMINATIONS IN THE CONTROLLER CABINET SHALL BE PERFORMED BY THE CITY OF TACOMA.
5. ALL PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNAL (APS) DETECTORS. CONTRACTOR SHALL FURNISH CONTROL UNIT FOR THE DETECTORS.
6. ALL EXISTING JUNCTION BOXES TO REMAIN SHALL BE ADJUSTED TO FINAL FINISHED GRADE.



	PUBLIC WORKS DEPARTMENT
	Approved: 3-28-17 CONSTRUCTION DIVISION
Work Order No.:	

Contract 8895
Change Order No. 63
Page 81 of 99

FILE NAME	J:\160232_WSDOT_OnCallRail\ADD\GIVASHT\Task 6 Station\PCO 002 East 25th\FHS PS TS_Task 6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06		PARSONS BRINCKERHOFF		TACOMA AMTRAK CASCADES STATION	PLAN REF NO.	TN1
TIME	1:54:45 PM	JOB NUMBER	16X330	CONTRACT NO.		LOCATION NO.	XL3982					SHEET	299
DATE	3/21/2017	DESIGNED BY	J. NAKAMOTO	PROJ. ENGR.	PCO 002 REV 1 - REPLACES ORIG CONTRACT TN1	DATE	03/21/2017	BY	JN	DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL	OF	317
PLOTTED BY	NelsonE	ENTERED BY	E. NELSON	REGIONAL ADM.	REVISION						GENERAL NOTES AND LEGEND	SHEETS	

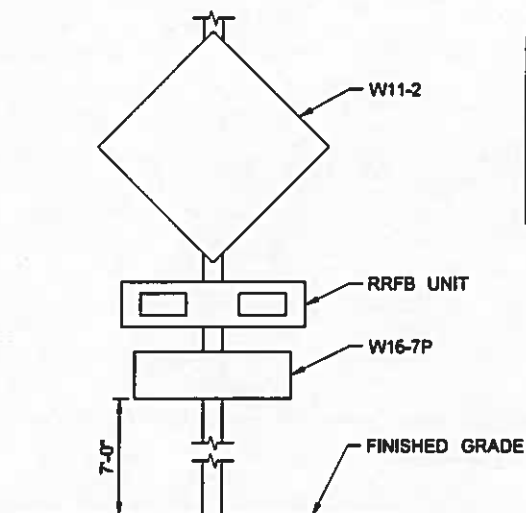


Contract 8895
Change Order No. 63
Page 83 of 99

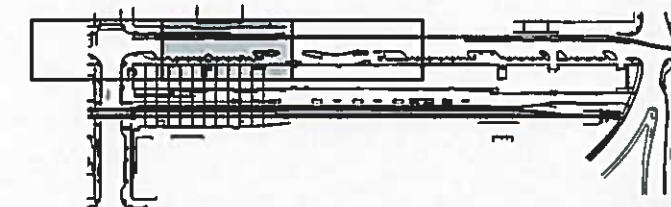
CONSTRUCTION NOTES:

- 1 CONSTRUCT POLE FOUNDATION AND INSTALL POLE PER POLE SCHEDULE THIS SHEET. INSTALL SOLAR POWERED RRFB SYSTEM ON POLE, INCLUDING PEDESTRIAN PUSH BUTTON ASSEMBLY, AND WIRING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND DETAIL THIS SHEET.
- 2 CONSTRUCT POLE FOUNDATION AND INSTALL POLE PER POLE SCHEDULE THIS SHEET. INSTALL SOLAR POWERED RRFB SYSTEM ON POLE, COMPLETE WITH WIRING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND DETAIL THIS SHEET.
- 3 CONSTRUCT POLE FOUNDATION AND INSTALL POST PER POLE SCHEDULE THIS SHEET. INSTALL APS PUSH BUTTON ASSEMBLY ON POST.

POLE SCHEDULE					
POLE NO.	LOCATION	POLE TYPE	POLE HEIGHT (FT)	FOUNDATION TYPE	
				WSDOT STD PLAN	SIZE
A	STA 24+84, 3.0' RT	TYPE 1 FIXED BASE	14	J-21.10	2' ROUND
B	STA 25+06, 31.0' LT	TYPE 1 FIXED BASE	14	J-21.10	2' ROUND
C	STA 24+96, 13' RT	PPB POST	5	J-20.10-03	1.5 SQUARE



RRFB AND SIGN ASSEMBLY DETAIL
NTS



PUBLIC WORKS DEPARTMENT

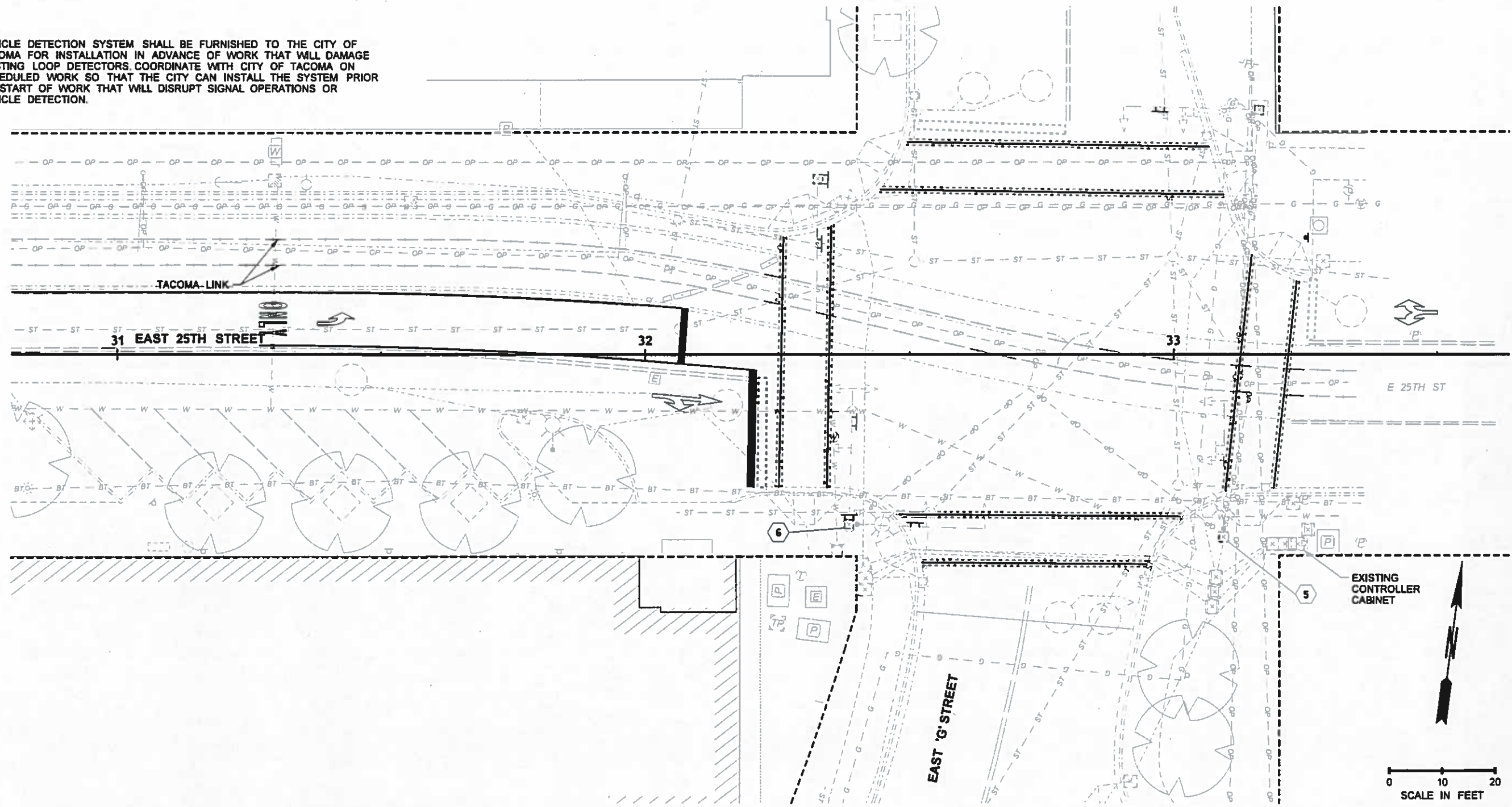
Approved: *[Signature]* 3/28/17
CONSTRUCTION DIVISION

Work Order No.:

FILE NAME	J:\1160232 WSDOT OnCallRail\ADDICVNSHT\Task 6 Station\PCO 002 East 25th\FHS P8 TS_Task 6 E25.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.	FR-HSR-0017-11-01-06		PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-382-6200		TACOMA AMTRAK CASCADES STATION	PLAN REF NO	TS2
TIME	1:56:45 PM	JOB NUMBER	16X330	CONTRACT NO.	XL3982	DATE	03/21/2017					BY	JN
DATE	3/21/2017	DESIGNED BY	J. NAKAMOTO	ENTERED BY	E. NELSON	CHECKED BY	L. GUAN	PROJ. ENGR.		REGIONAL ADM.		OF	317
PLOTTED BY	NelsonE	RECTANGULAR RAPID FLASHING BEACON (RRFB)											

NOTE:

1. VEHICLE DETECTION SYSTEM SHALL BE FURNISHED TO THE CITY OF TACOMA FOR INSTALLATION IN ADVANCE OF WORK THAT WILL DAMAGE EXISTING LOOP DETECTORS. COORDINATE WITH CITY OF TACOMA ON SCHEDULED WORK SO THAT THE CITY CAN INSTALL THE SYSTEM PRIOR TO START OF WORK THAT WILL DISRUPT SIGNAL OPERATIONS OR VEHICLE DETECTION.



CONSTRUCTION NOTES:

- 5 FURNISH ONE VIDEO DETECTION CAMERA SYSTEM TO THE CITY OF TACOMA WITH ENOUGH CABLE TO MOUNT CAMERA ON LUMINAIRE ARM.
- 6 DISCONNECT EXISTING NORTH-FACING BLANK-OUT SIGN. LEAVE SIGN IN PLACE.

PUBLIC WORKS DEPARTMENT

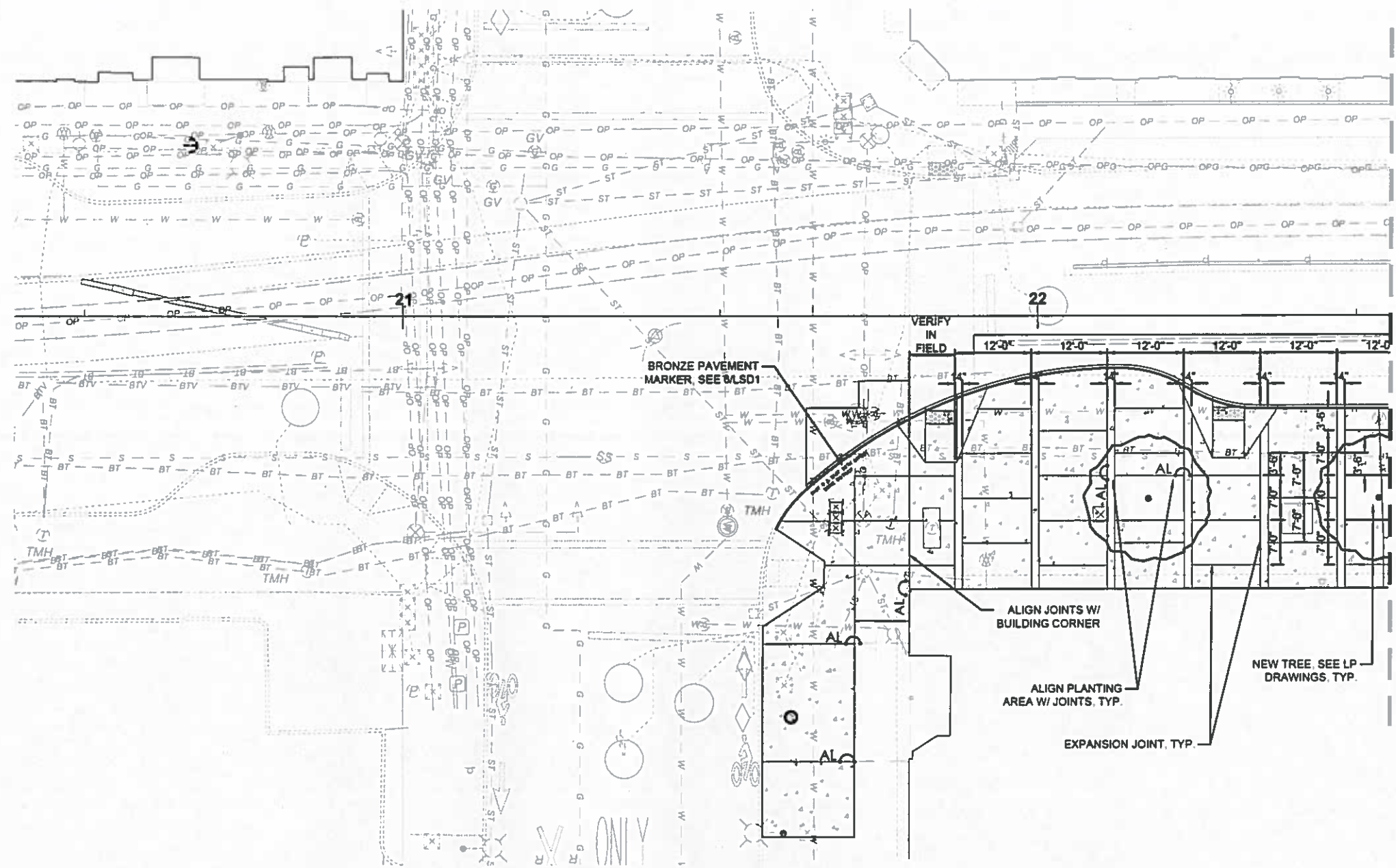
Approved: 3-28-17

CONSTRUCTION DIVISION

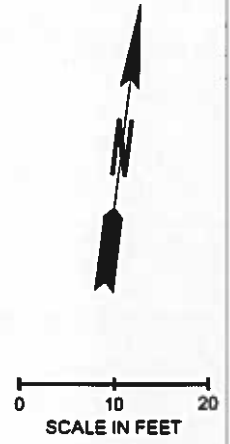
Work Order No.:

Contract 8895
Change Order No. 63
Page 84 of 99

FILE NAME: J:\160232_WSDOT_OnCallRailCADD\CIVSHT\Task 6 Station\PCO_002 East 25th\FHS_PS_TS_Task 6 E25.dgn		REGION NO. STATE: 10 WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06		 PARSONS BRINCKERHOFF 999 3RD AVENUE, SUITE 3200 SEATTLE, WASHINGTON 98104-4020 PH: 206-362-6200	 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION		PLAN REF NO: TS3
TIME: 1:57:30 PM	DATE: 3/21/2017	JOB NUMBER: 16X330		LOCATION NO: XL3982	E G ST AND E 25TH ST TRAFFIC SIGNAL PLAN			SHEET 302 OF 317 SHEETS		
PLOTTED BY: NelsonE	DESIGNED BY: J. NAKAMOTO	ENTERED BY: E. NELSON	CHECKED BY: L. GUAN	PROJ. ENGR.:	REGIONAL ADM.:	IPC02 REV 1 - REPLACES ORIG CONTRACT T83		03/21/2017	JN	REVISION



MATCHLINE, SEE LS2



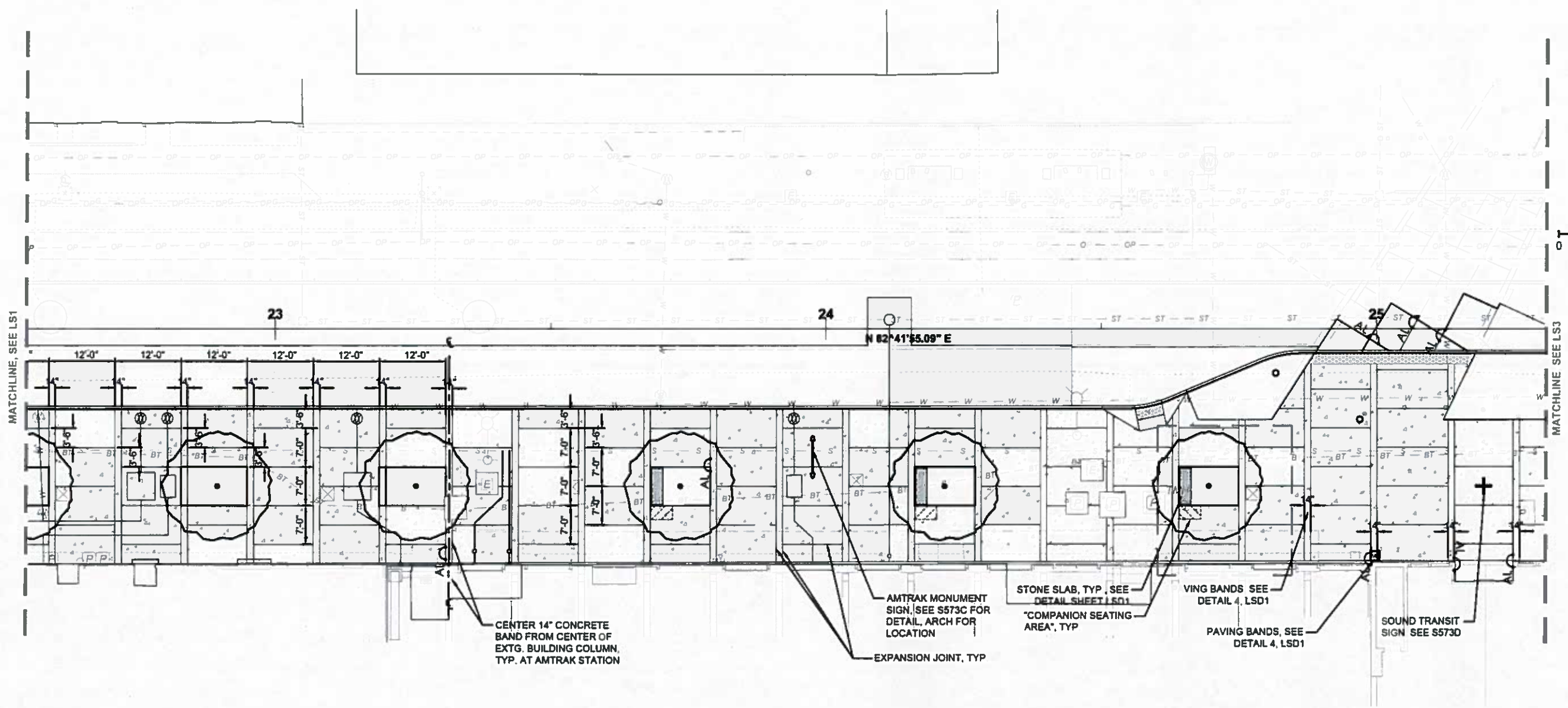
Contract 8895
Change Order No. 63
Page 86 of 99



FILE NAME Z:\KOLA PROJECTS\FHSQ\ACAD\FHSQ-L-SITE E25.DWG		REGION NO. 10		STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06		Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032		PLAN REF NO. LS1
TIME 12:22 PM	DATE 03/21/17	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982	SHEET 304 OF 317 SHEETS				
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET REVISION	03/21/2017	IB	DATE BY	TACOMA AMTRAK CASCADES STATION
									LANDSCAPE SITE PLAN





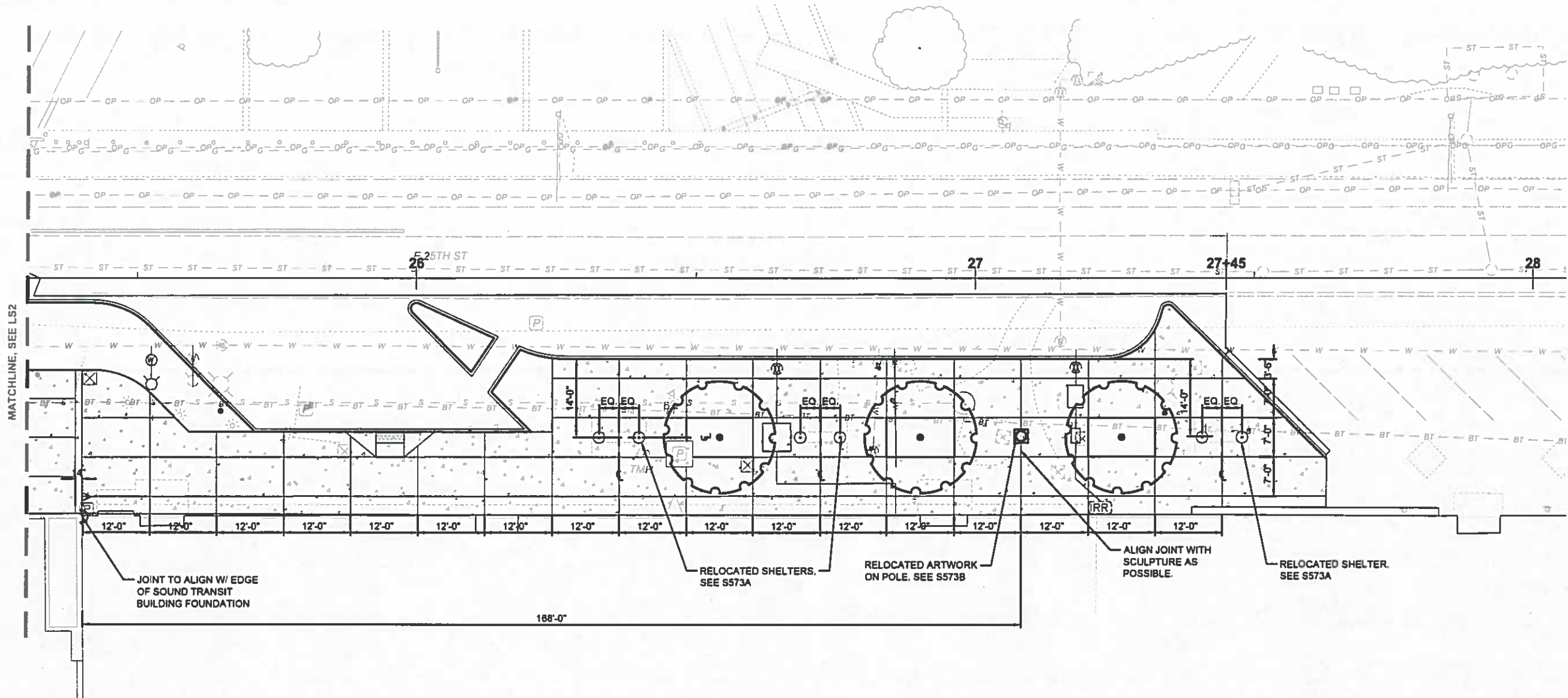
SCALE IN FEET
0 10 20



Contract 8895
Change Order No. 63
Page 87 of 99



FILE NAME Z:\KILA PROJECTS\FHSQACAD\FHSQ-L-SITE E25.DWG		REGION NO. 10 STATE WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06		Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032	 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO. LS2
TIME 12:23 PM	DATE 03/21/17	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982				LANDSCAPE SITE PLAN	SHEET 305 OF 317 SHEETS
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET REVISION	03/21/2017	IB	DATE	BY

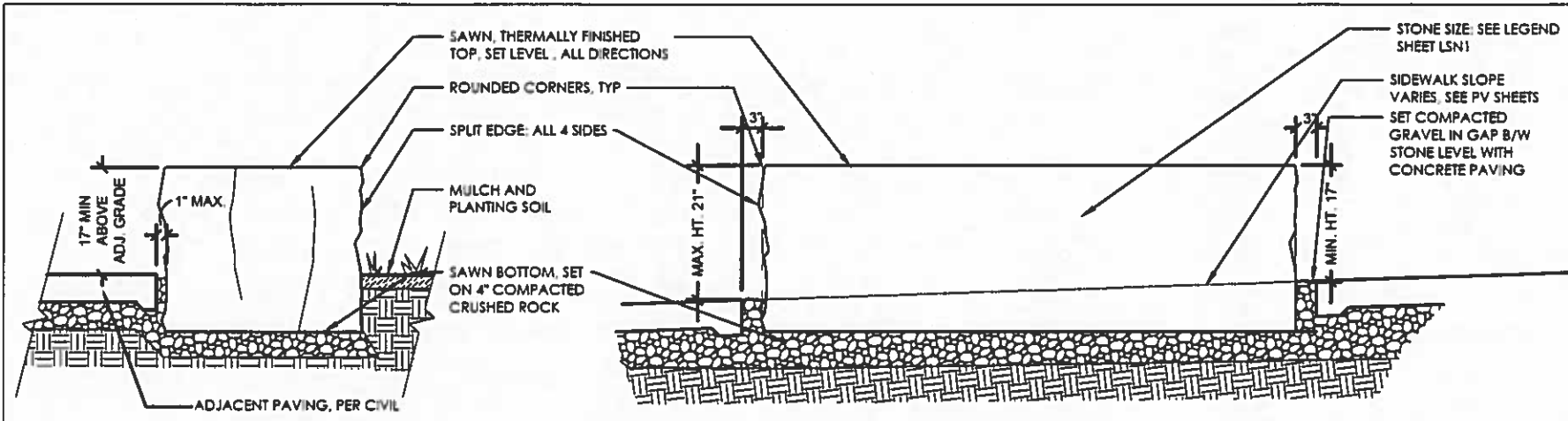


0 10 20
SCALE IN FEET

Contract 8895
Change Order No. 63
Page 88 of 99

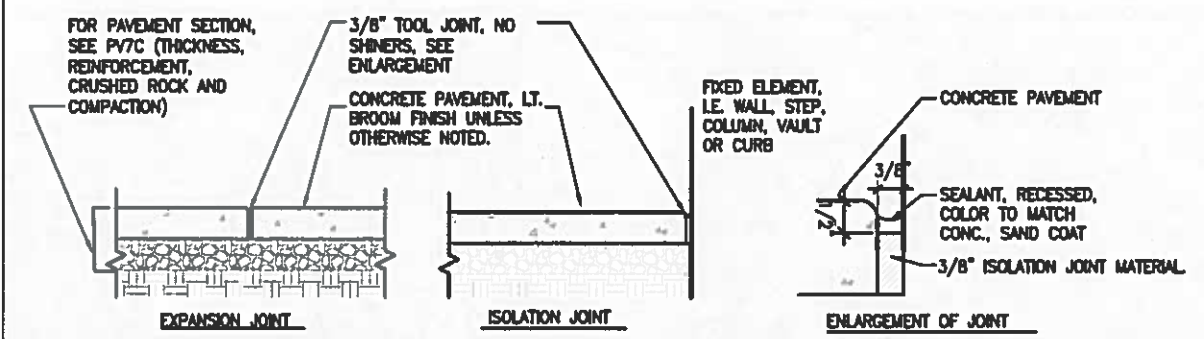
LS1 LS2 LS3

FILE NAME 2:\KILA PROJECTS\FHQS\ACAD\FHQS-L-SITE E25.DWG		REGION NO. 10		STATE WASH	FED.AID PROJ.NO.		Karen Kiest Landscape Architects 111 west John street suite 306 seattle washington 98119 tel 206 323 6032		TACOMA AMTRAK CASCADES STATION	PLAN REF NO LS3
TIME 12:23 PM	DATE 03/21/17	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982	Washington State Department of Transportation				LANDSCAPE SITE PLAN	SHEET 306 OF 317 SHEETS
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. PCO 002 REV 1 - ADDED SHEET	DATE 03/21/2017	BY IB	REVISION			

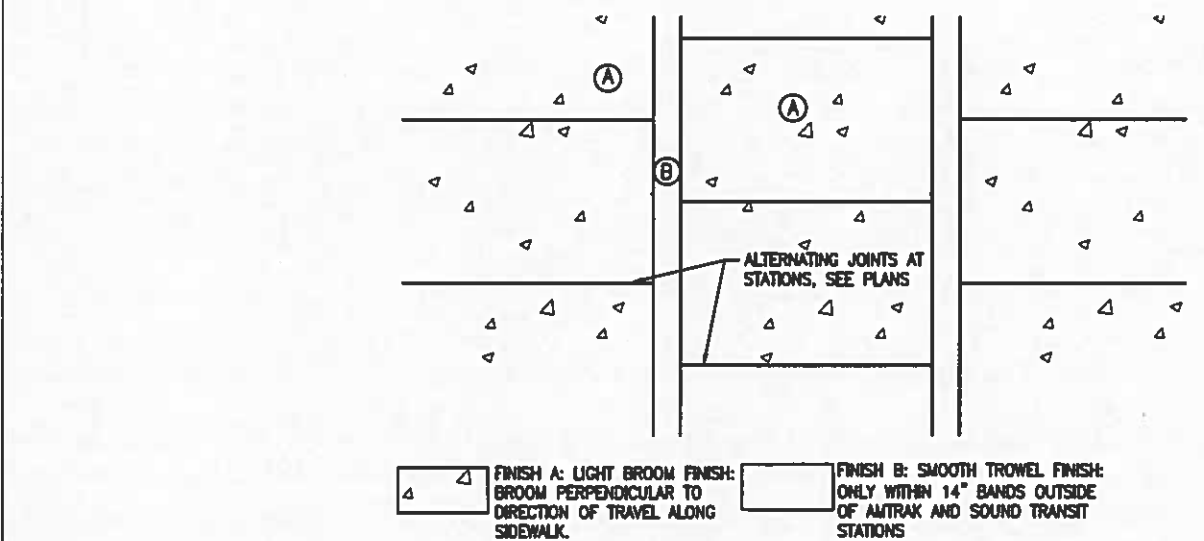


1 STONE SLAB W-E SECTION
SCALE: 1/2"=1'-0"

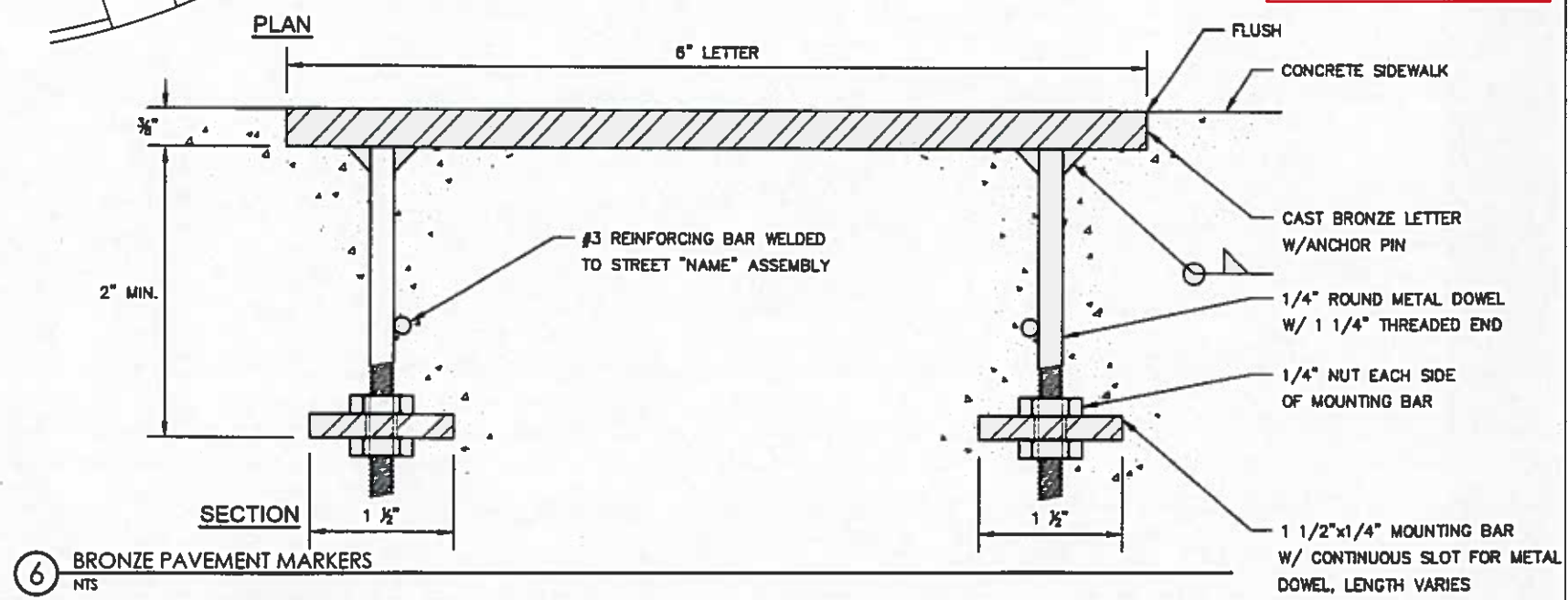
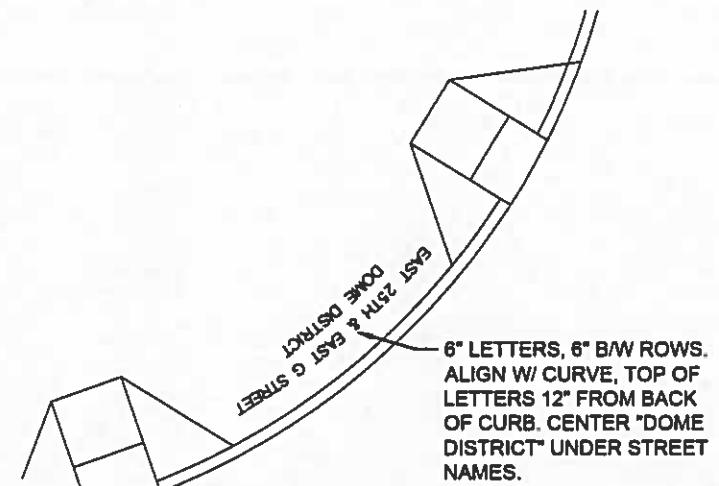
2 STONE SLAB N-S SECTION
SCALE: 1/2"=1'-0"



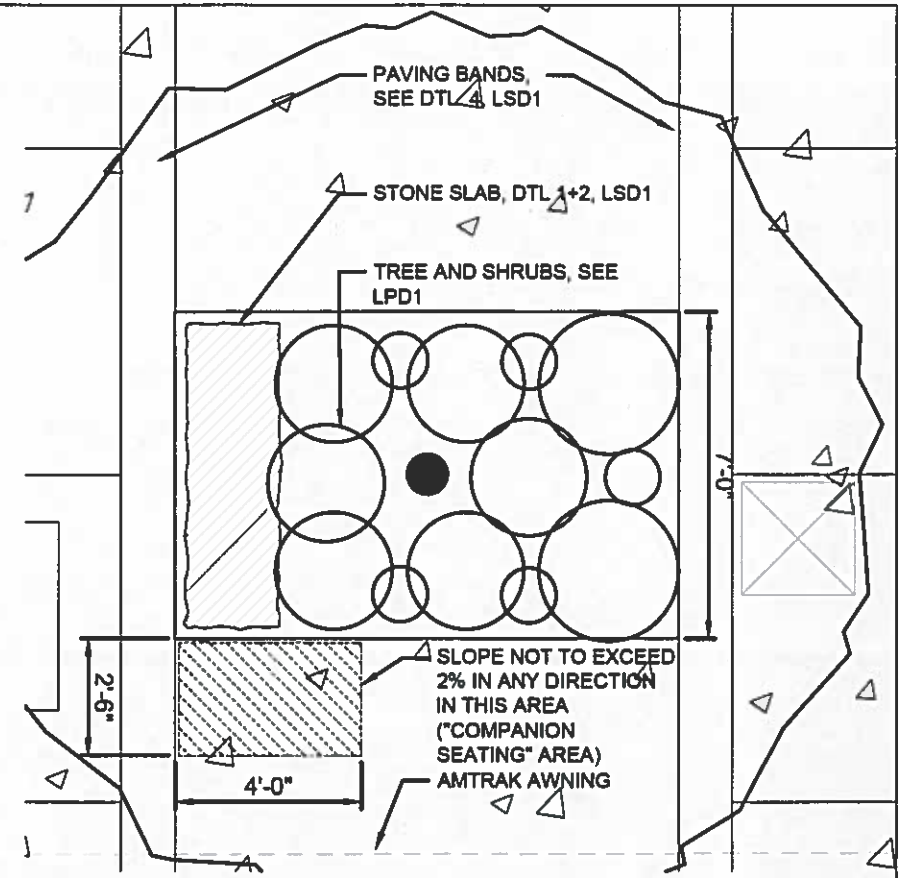
3 CONCRETE PAVEMENT JOINTS
SCALE: 1"=1'-0"



4 CONCRETE FINISHES
SCALE: 1/8"=1'-0"



6 BRONZE PAVEMENT MARKERS
NTS



5 ENLARGED PLAN
SCALE: 1/4"=1'-0"

Contract 8895
Change Order No. 63
Page 89 of 99

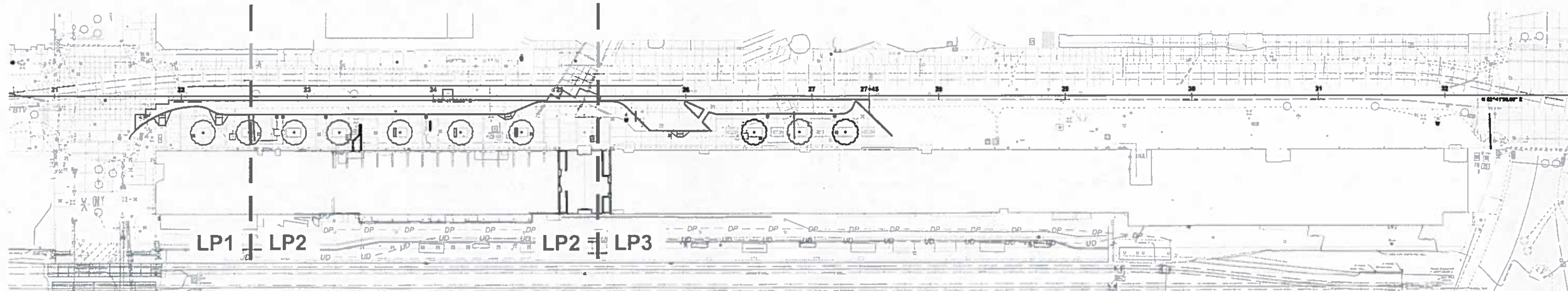
FILE NAME	Z:\KLA PROJECTS\FHQSQA\DFHSQ-L-SITE E23.DWG	REGION NO.	STATE	FED.AID PROJ.NO.
TIME	12:23 PM	10	WASH	FR-HSR-0017-11-01-06
DATE	03/21/17	JOB NUMBER		
PLOTTED BY	IBEGLEY	16X330		
DESIGNED BY	IBEGLEY	CONTRACT NO.		
ENTERED BY	IBEGLEY			
CHECKED BY	KKIEST	LOCATION NO.		
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	XL3982		
REGIONAL ADM.	REVISION	DATE	03/21/2017	IB



Karen Kiest
Landscape Architects
111 west John street suite 306
seattle washington 98119
tel 206 323 6032



TACOMA AMTRAK CASCADES STATION
LANDSCAPE LEGEND AND DETAILS
PLAN REF NO LSD1
SHEET 307 OF 317 SHEETS



GENERAL NOTES

1. REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS.
2. LAYOUT OF PLANTS SHALL BE APPROVED BY RESIDENT ENGINEER PRIOR TO PLANTING.
3. PLANT MATERIAL LAYOUT MAY REQUIRE ADJUSTMENT TO ACCOMMODATE STRUCTURES, OBSTACLES, UTILITIES, IRRIGATION, ETC. NOTIFY RESIDENT ENGINEER OF PROPOSED CHANGES.
4. VERIFY LOCATION OF ALL BELOW GRADE UTILITY LINES AND STRUCTURES AND PROTECT DURING CONSTRUCTION.
5. PROVIDE AND INSTALL ALL PLANTING SOILS TO ALL PLANTING AREAS AS DEFINED IN PLANTING SCHEDULE, DETAILS AND SPECIFICATIONS. RESIDENT ENGINEER SHALL REVIEW AND APPROVE SUBGRADE AS WELL AS FINISH GRADES PRIOR TO PLANTING.
6. CENTER OF TREES SHALL BE PLANTED A MINIMUM OF 5' CLEAR FROM EDGE OF UNDERGROUND WET UTILITY LINES.
7. ALL LANDSCAPE AREAS SHALL RECEIVE MINIMUM 3" BARK MULCH.
8. PLACE THE AMENDED TOPSOIL TO THE FOLLOWING DIMENSIONS:

TREE PLANTERS: DEPTH OF ROOTBALL (MIN.24") AND ENTIRE EXTENT OF PLANTING AREA.
 SHRUB PLANTING AREA ADJACENT MID-BLOCK CROSSING: MIN 18" DEPTH.
 PLANTER @ BUILDING: DEPTH OF PLANTER.

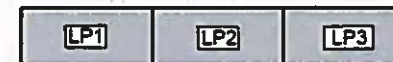
NOTES:

1. SEE LPN1 FOR GENERAL PLANTING NOTES
2. SEE LPD1 FOR PLANTING SCHEDULE.
3. SEE LPD1 FOR PLANTING DETAILS.

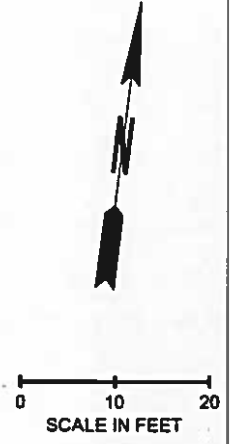
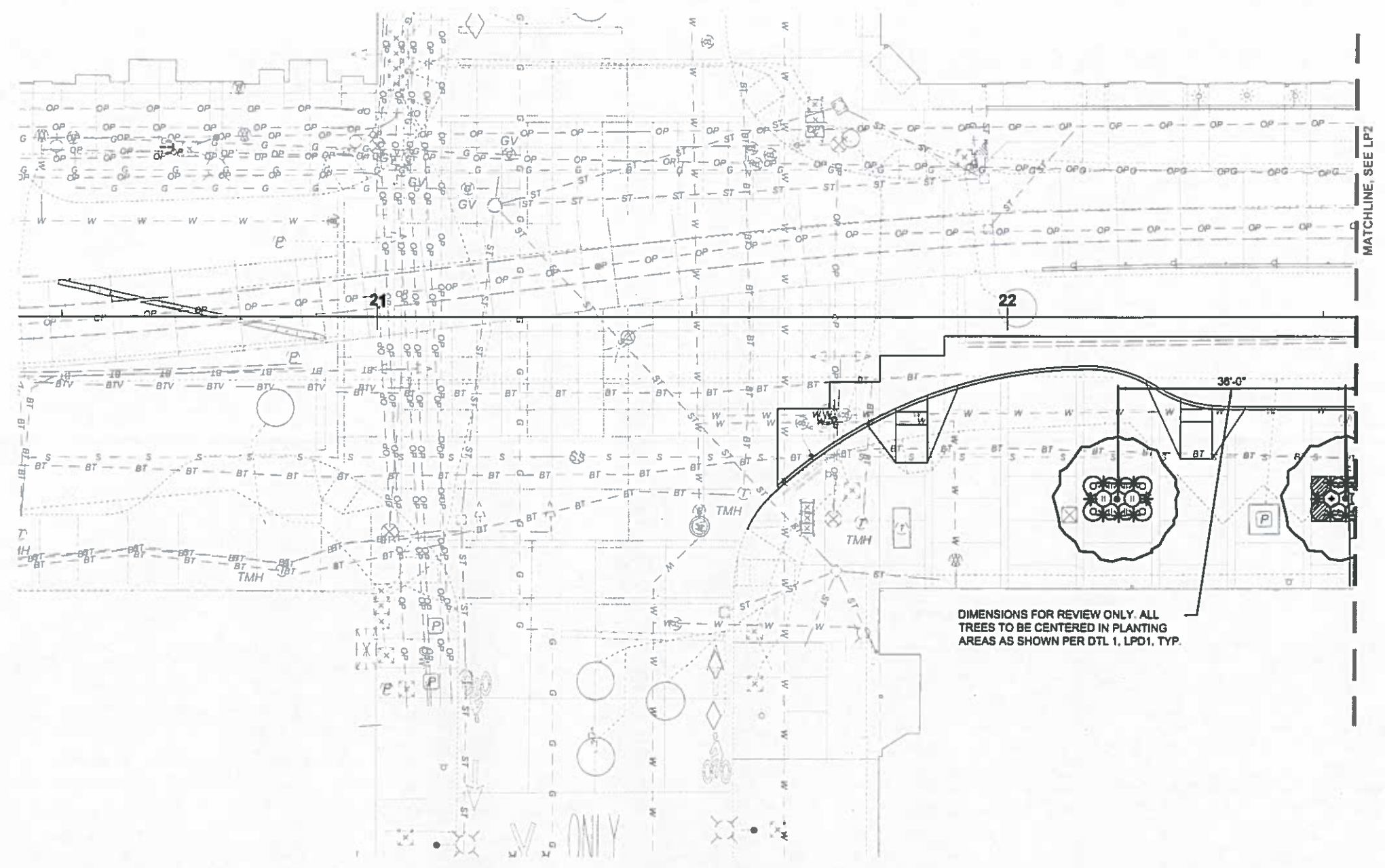


0 40 80
SCALE IN FEET

Contract 8895
Change Order No. 63
Page 90 of 99





FILE NAME Z:\KOLA PROJECTS\FHQS\ACAD\FHSQ-L-PLNT E25.DWG		REGION NO. 10		STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06		Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032		TACOMA AMTRAK CASCADES STATION	PLAN REF NO LPN1
TIME 12:24 PM	DATE 03/21/17	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. PCO 002 REV 1 - ADDED SHEET					REGIONAL ADM.
OVERALL PLANTING PLAN										OF 317
										SHEETS

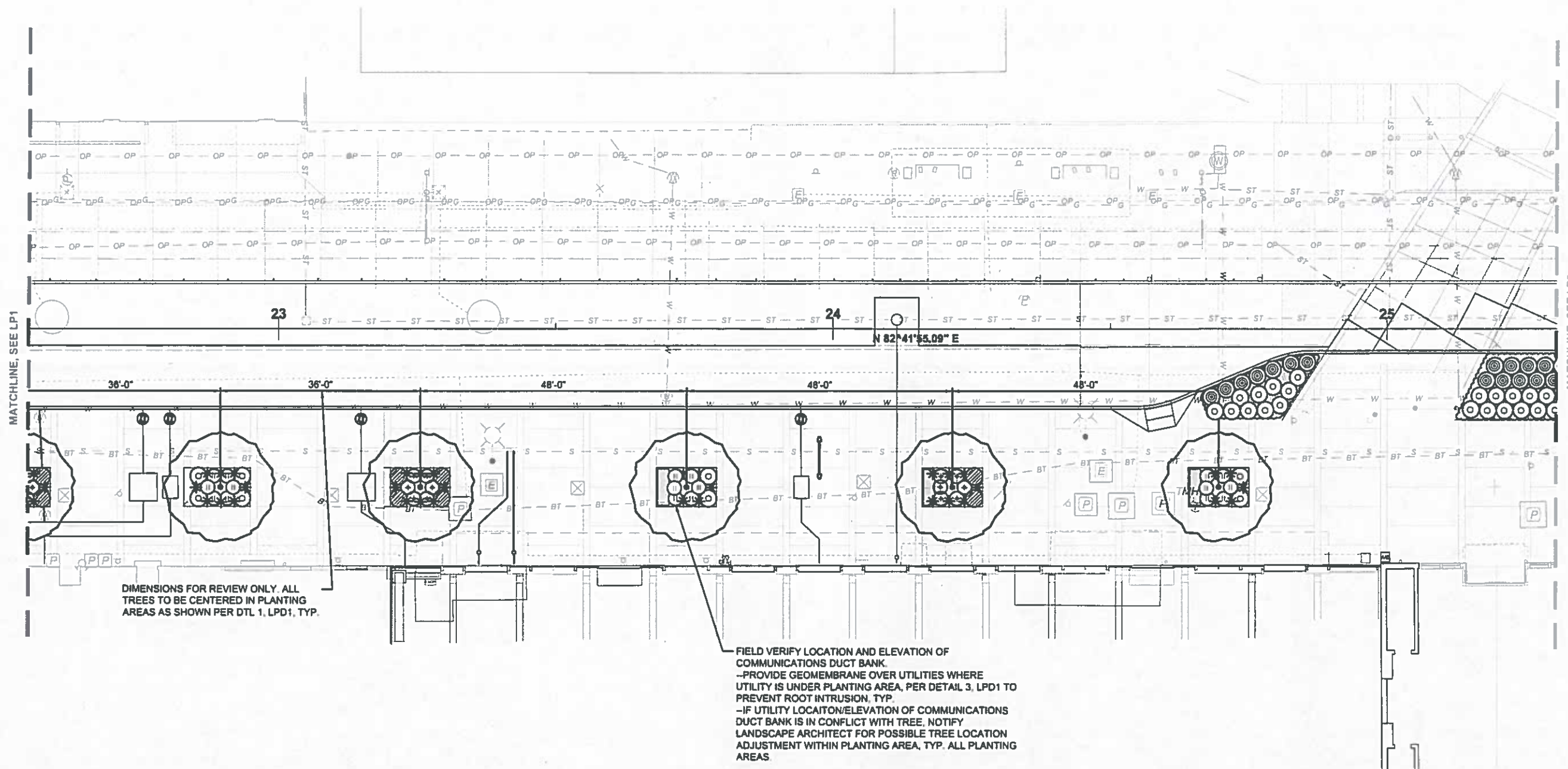


DIMENSIONS FOR REVIEW ONLY. ALL TREES TO BE CENTERED IN PLANTING AREAS AS SHOWN PER DTL 1, LPD1, TYP.

Contract 8895
Change Order No. 63
Page 91 of 99



FILE NAME Z:\KLA PROJECTS\FH5QACAD\FH5Q-L-PLNT E25.DWG		REGION NO.	STATE	FED.AID PROJ.NO.		Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032	 Washington State Department of Transportation	PLAN REF NO
TIME	12:24 PM	10	WASH	FR-HSR-0017-11-01-08				TACOMA AMTRAK CASCADES STATION
DATE	03/21/17	JOB NUMBER		LOCATION NO.			SHEET	
PLOTTED BY	IBEGLEY	CONTRACT NO.		XL3982			309	
DESIGNED BY	IBEGLEY						OF	
ENTERED BY	IBEGLEY						317	
CHECKED BY	KKIEST						SHEETS	
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	DATE	03/21/2017	BY	IB			
REGIONAL ADM.	REVISION							





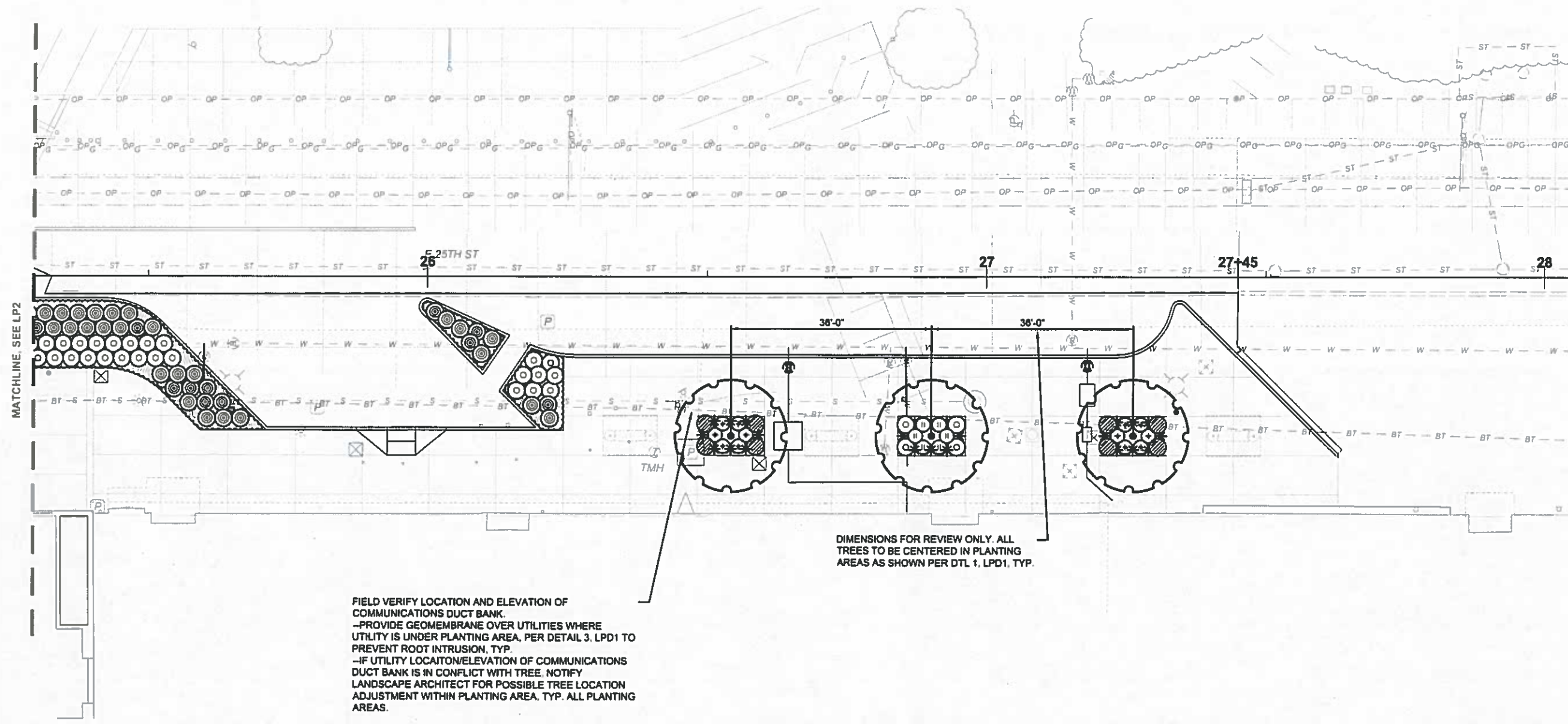
DIMENSIONS FOR REVIEW ONLY. ALL TREES TO BE CENTERED IN PLANTING AREAS AS SHOWN PER DTL 1, LPD1, TYP.

FIELD VERIFY LOCATION AND ELEVATION OF COMMUNICATIONS DUCT BANK.
 --PROVIDE GEOMEMBRANE OVER UTILITIES WHERE UTILITY IS UNDER PLANTING AREA, PER DETAIL 3, LPD1 TO PREVENT ROOT INTRUSION, TYP.
 --IF UTILITY LOCATION/ELEVATION OF COMMUNICATIONS DUCT BANK IS IN CONFLICT WITH TREE, NOTIFY LANDSCAPE ARCHITECT FOR POSSIBLE TREE LOCATION ADJUSTMENT WITHIN PLANTING AREA, TYP. ALL PLANTING AREAS.

Contract 8895
 Change Order No. 63
 Page 92 of 99



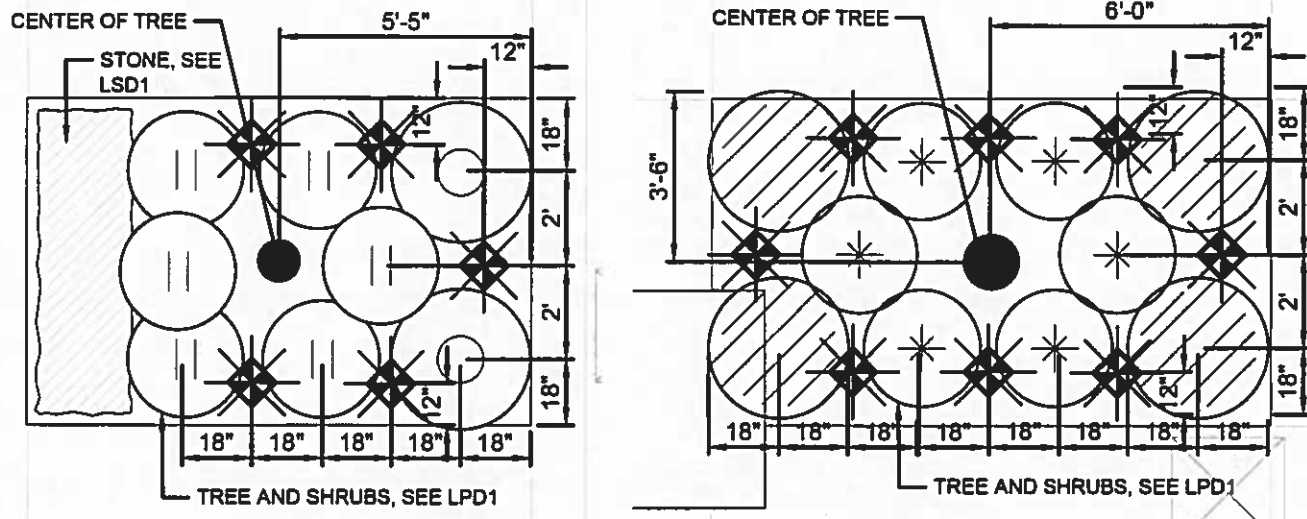
FILE NAME Z:\KLA PROJECTS\FHSQACAD\FHSQ-L-PLNT E25.DWG		REGION NO.	STATE	FED.AID PROJ.NO.		Karen Kiest Landscape Architects 111 west John street suite 308 seattle washington 98119 tel 206 323 6032	 Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION PLANTING PLAN	PLAN REF NO
TIME 12:24 PM	DATE 03/21/17	10	WASH	FR-HSR-0017-11-01-06					LP2
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982	SHEET 310 OF 317 SHEETS				
ENTERED BY IBEGLEY	CHECKED BY KKIEST	PCO 002 REV 1 - ADDED SHEET	03/21/2017	IB					
PROJ. ENGR.	REGIONAL ADM.	REVISION	DATE	BY					



Contract 8895
 Change Order No. 63
 Page 93 of 99



FILE NAME Z:\KOLA PROJECTS\FHQS\ACAD\FHQS-L\PLNT E25.DWG		REGION NO. 10		STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06			TACOMA AMTRAK CASCADES STATION PLANTING PLAN	PLAN REF NO LP3
TIME 12:24 PM	DATE 03/21/17	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982	SHEET 311 OF 317 SHEETS				
PLOTTED BY IBEGLEY									
DESIGNED BY IBEGLEY									
ENTERED BY IBEGLEY									
CHECKED BY KKIEST									
PROJ. ENGR.	PCO 002 REV 1 - ADDED SHEET	03/21/2017	IB	DATE	BY				
REGIONAL ADM.	REVISION								



TYPICAL PLANTING LAYOUT PLANS
SCALE: 1/4"=1'-0"

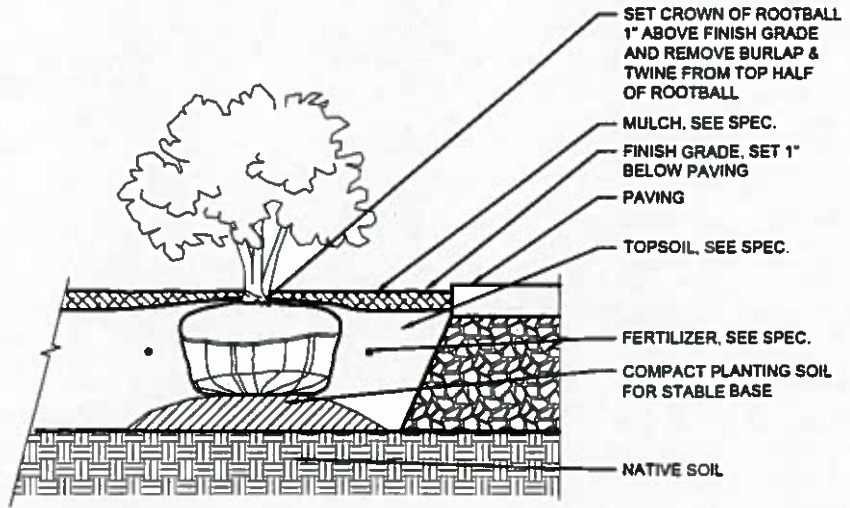
1
LPD-1

LANDSCAPE SCHEDULE

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	SPACING
LARGE TREES						
3		LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA'	ROUND LEAF SWEETGUM (SEEDLESS)	2.5" CAL.	B&B	PER PLAN
7		QUERCUS COCCINEA	SCARLET OAK	2.5" CAL.	B&B	PER PLAN
LOW SHRUBS						
18		ILEX CRENATA 'CONVEXA'	JAPANESE HOLY	5 GAL.	CONT.	36" O.C.
52		LONICERA PILEATA	PRIVET HONEYSUCKLE	5 GAL.	CONT.	36" O.C.
60		VIBURNUM DAVIDII	DAVID'S VIBURNUM	5 GAL.	CONT.	36" O.C.
30		SPIRAEA JAPONICA 'ALPINA'	DAPHNE SPIREA	5 GAL.	CONT.	30" O.C.
30		SPIRAEA BUMALDA 'SUPERSTAR'	SUPERSTAR SPIREA	5 GAL.	CONT.	30" O.C.
GROUNDCOVERS						
73		EPIMEDIUM X PERRALCHICUM 'FROHNLEITEN'	BARRENWORT	1 GAL.	CONT.	24" O.C.
147		FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4"	POT	18" O.C.

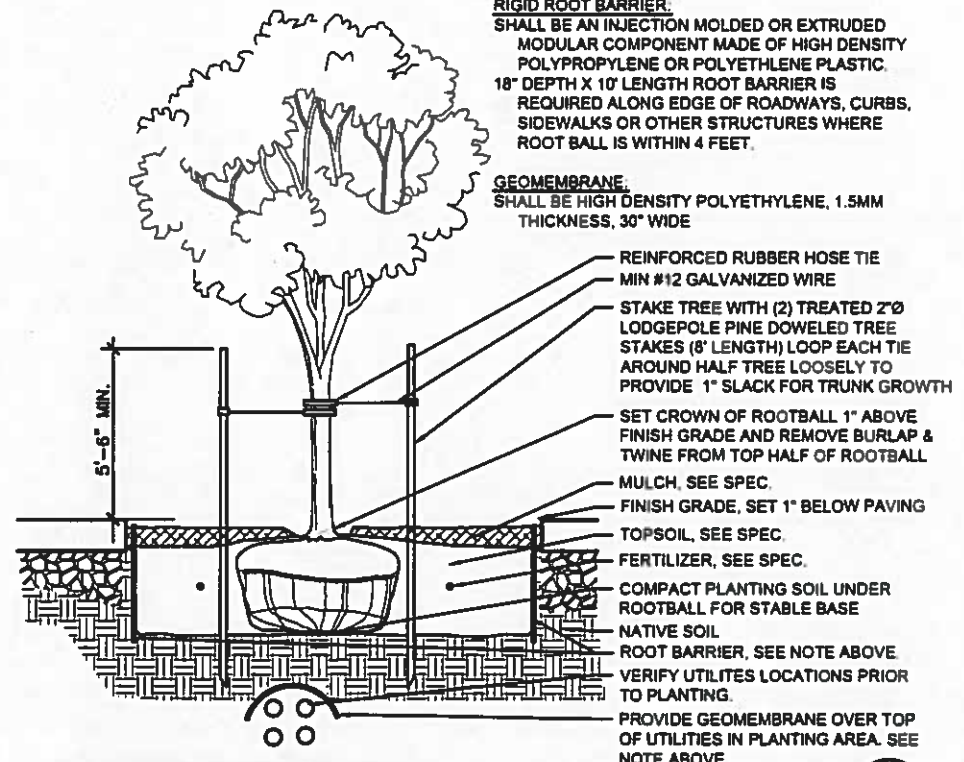
NOTES:
RIGID ROOT BARRIER SHALL BE AN INJECTION MOLDED OR EXTRUDED MODULAR COMPONENT MADE OF HIGH DENSITY POLYPROPYLENE OR POLYETHYLENE PLASTIC. 18" DEPTH X 10' LENGTH ROOT BARRIER IS REQUIRED ALONG EDGE OF ROADWAYS, CURBS, SIDEWALKS OR OTHER STRUCTURES WHERE ROOT BALL IS WITHIN 4 FEET.

GEOMEMBRANE: SHALL BE HIGH DENSITY POLYETHYLENE, 1.5MM THICKNESS, 30" WIDE



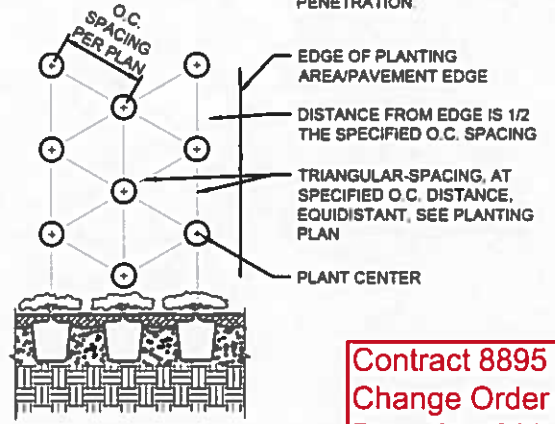
SHRUB PLANTING
SCALE: NTS

2
LPD-1



STREET TREE PLANTING
SCALE: NTS

3
LPD-1



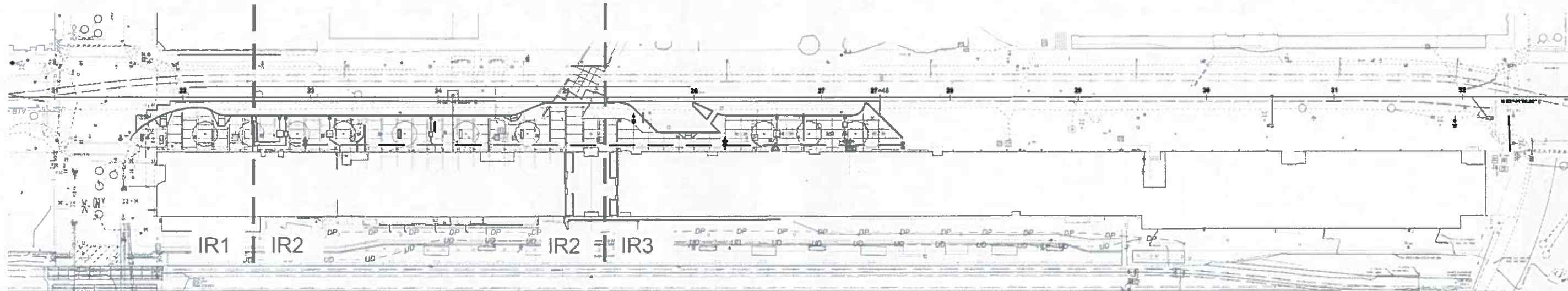
SHRUB/GROUNDCOVER PLANTING & SPACING
SCALE: NTS

4
LPD-1

NOTES:
1. MULCH SHALL NOT COME IN CONTACT WITH TREE TRUNKS OR SHRUB BRANCHES & STEMS.
2. SCARIFY EDGES OF ALL PLANTING PITS TO ENCOURAGE WATER PERCOLATION AND ROOT PENETRATION.

Contract 8895
Change Order No. 63
Page 94 of 99

FILE NAME: Z:\KILA PROJECTS\FHQSQCAD\FHQS-Q-L-PLNT E25 DWG		REGION NO. 10	STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06			TACOMA AMTRAK CASCADES STATION	PLAN REF NO. LPD1
TIME: 12:25 PM	DATE: 03/21/17	JOB NUMBER: 16X330	CONTRACT NO.:	LOCATION NO. XL3982				SHEET 312 OF 317 SHEETS
PLOTTED BY: IBEGLEY	DESIGNED BY: IBEGLEY	ENTERED BY: IBEGLEY	CHECKED BY: KKIEST	PROJ. ENGR.:	REGIONAL ADM.:	REVISION:	DATE: 03/21/2017	BY: IB
PCO 002 REV 1 - ADDED SHEET								PLANTING LEGEND AND DETAILS

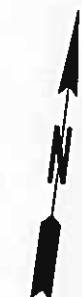


GENERAL IRRIGATION NOTES

1. SEE DR DRAWINGS FOR BACKFLOW PREVENTOR.
2. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM SPRINKLERS OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND AT EACH STATION SHOWN ON THE IRRIGATION DRAWINGS. THE REPORTED STATIC PRESSURE "AFTER" THE EXISTING POINT OF CONNECTION SHALL BE 60 PSI. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT INSUFFICIENT MEASURED WATER PRESSURE TO THE RESIDENT ENGINEER.
3. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS AMONG THE SPRINKLER SYSTEM, PLANTING, UTILITIES AND ARCHITECTURAL FEATURES.
4. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES, CHASES AND PENETRATIONS UNDER PAVING, THROUGH WALLS, ETC., PRIOR TO PAVING AND FORMING.
6. IN ADDITION TO THE PIPE SLEEVES SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONTROL WIRE SLEEVES OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.
7. CONTRACTOR SHALL ROUTE COMMON AND CONTROL WIRE FROM THE IRRIGATION CONTROLLER TO CONTROL VALVES. CONNECT TO MAINLINE, EXCEPT AT SLEEVES.
8. PROVIDE ONE SPARE PAIR OF WIRES FROM THE CONTROLLER TO THE FARTHEST VALVE ON THE SITE AND AT THE ENDS OF EACH MAINLINE RUN.
9. PROVIDE MANUAL DRAIN VALVES, AS NEEDED, TO ALLOW COMPLETE GRAVITY DRAINAGE OF THE ENTIRE IRRIGATION SYSTEM FOR SYSTEM MAINTENANCE AND WINTERIZATION. SLOPE PIPE AT 1/2% MIN. TO DRAINS.
10. WHERE THE FIELD CONDITIONS REQUIRE ADJUSTMENTS, HEADS SHALL BE ADDED OR DELETED IN ACCORDANCE WITH THE IRRIGATION LEGEND OR MANUFACTURER'S SPECIFICATIONS. PIPE SIZING SHALL BE ADJUSTED ACCORDINGLY, AND WATER VELOCITY SHALL NOT EXCEED 5 FEET PER SECOND.
11. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
12. PIPE SIZES ARE NOTED FROM ENDS OF LATERAL RUNS, STARTING WITH 3/4" AND INCREASING IN SIZE, AS SHOWN, UPSTREAM TOWARD THE REMOTE CONTROL VALVES. ALL UNLABELED PIPING WITHIN THE CONTROL ZONE IS 3/4".

NOTES:

1. SEE IRN1 FOR GENERAL IRRIGATION NOTES.
2. SEE IRD1 FOR IRRIGATION SCHEDULE.
3. SEE IRD1 FOR IRRIGATION DETAILS.

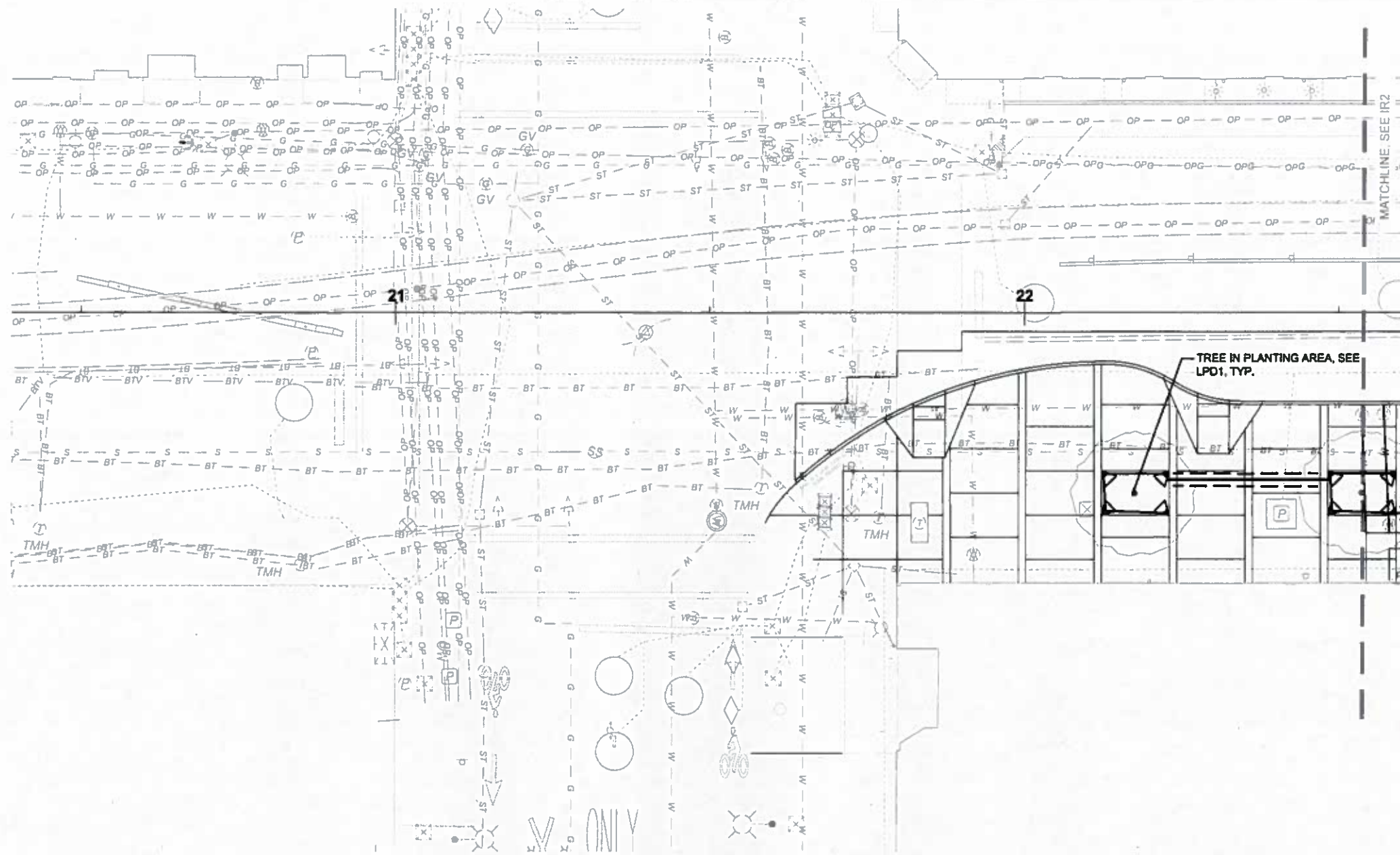


0 40 80
SCALE IN FEET

Contract 8895
Change Order No. 63
Page 95 of 99



FILE NAME Z:\VQA PROJECTS\FHSQLCAD\FHSQL-IRR E25.DWG		REGION NO. 10 STATE WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06		Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032		TACOMA AMTRAK CASCADES STATION	PLAN REF NO. IRN1
TIME 12:25 PM	DATE 03/21/17	JOB NUMBER 16X330	LOCATION NO. XL3982	SHEET 313 OF 317 SHEETS					
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. PCO 002 REV 1 - ADDED SHEET	REGIONAL ADM.	OVERALL IRRIGATION PLAN			
		DATE 03/21/2017	BY IB	REVISION					



Contract 8895
 Change Order No. 63
 Page 96 of 99

IR1 IR2 IR3

FILE NAME Z:\KLA PROJECTS\FHSQACAD\FHSQ-L-IRRG E25.DWG

TIME 12:25 PM
 DATE 03/21/17
 PLOTTED BY IBEGLEY
 DESIGNED BY IBEGLEY
 ENTERED BY IBEGLEY
 CHECKED BY KKIEST
 PROJ. ENGR.
 REGIONAL ADM.

PCO 002 REV 1 - ADDED SHEET
 REVISION
 03/21/2017
 DATE BY IB

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	FR-HSR-0017-11-01-06
JOB NUMBER	CONTRACT NO.	LOCATION NO.
16X330		XL3982

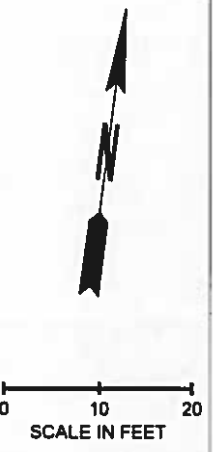
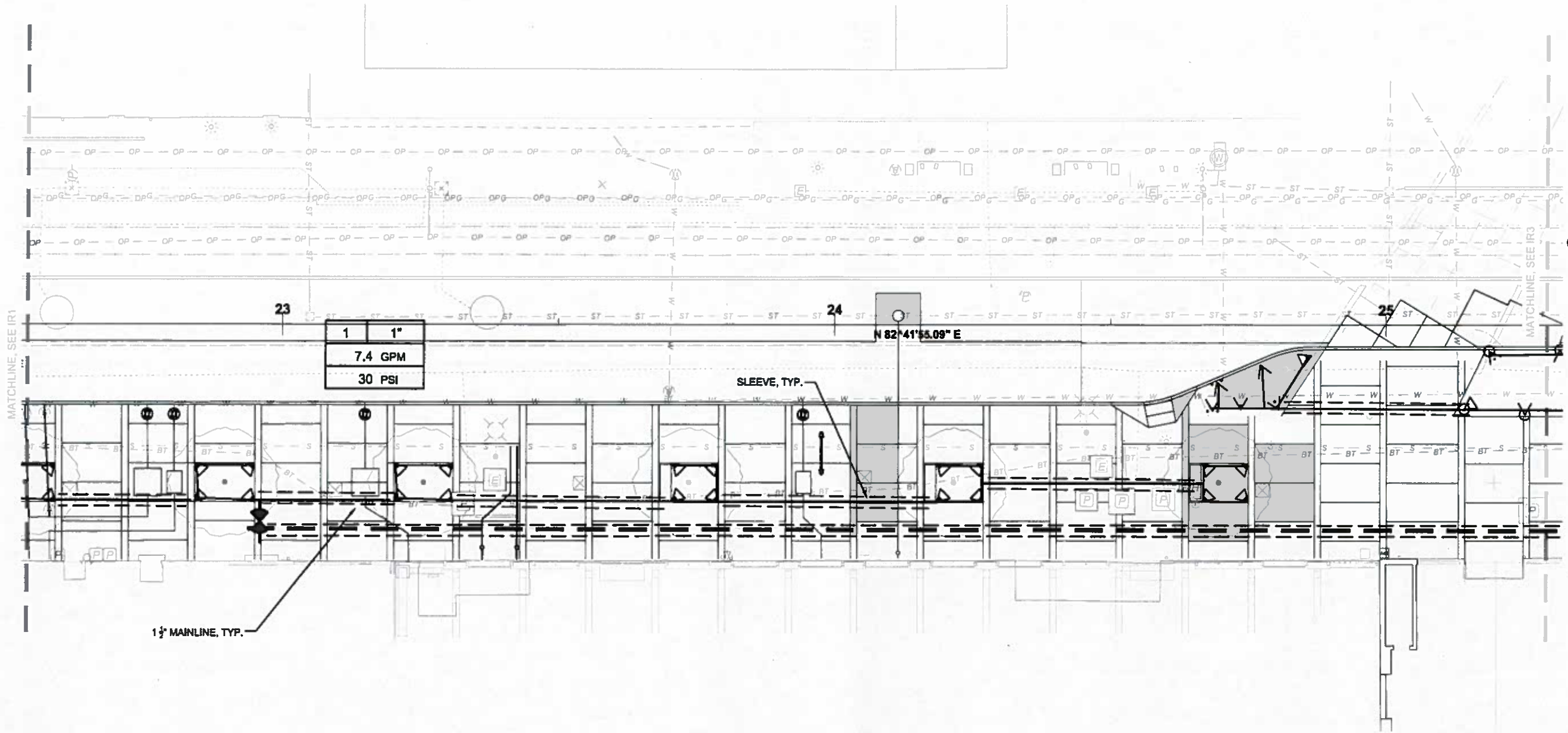


Karen Kiest
 Landscape Architects
 111 west john street suite 306
 seattle washington 98119
 tel 206 323 6032



TACOMA AMTRAK CASCADES STATION
 IRRIGATION PLAN

PLAN REF NO
 IR1
 SHEET
 314
 OF
 317
 SHEETS



Contract 8895
 Change Order No. 63
 Page 97 of 99



FILE NAME Z:\KILA PROJECTS\FH5QACAD\FHSO-L-IRRG E25.DWG

TIME	12:25 PM
DATE	03/21/17
PLOTTED BY	IBEGLEY
DESIGNED BY	IBEGLEY
ENTERED BY	IBEGLEY
CHECKED BY	KKIEST
PROJ. ENGR.	
REGIONAL ADM.	

PCO 002 REV 1 - ADDED SHEET	
03/21/2017	IB
DATE	BY
REVISION	

REGION NO.	STATE
10	WASH
JOB NUMBER	16X330
CONTRACT NO.	

FED.AID PROJ.NO.	FR-HSR-0017-11-01-06
LOCATION NO.	XL3982

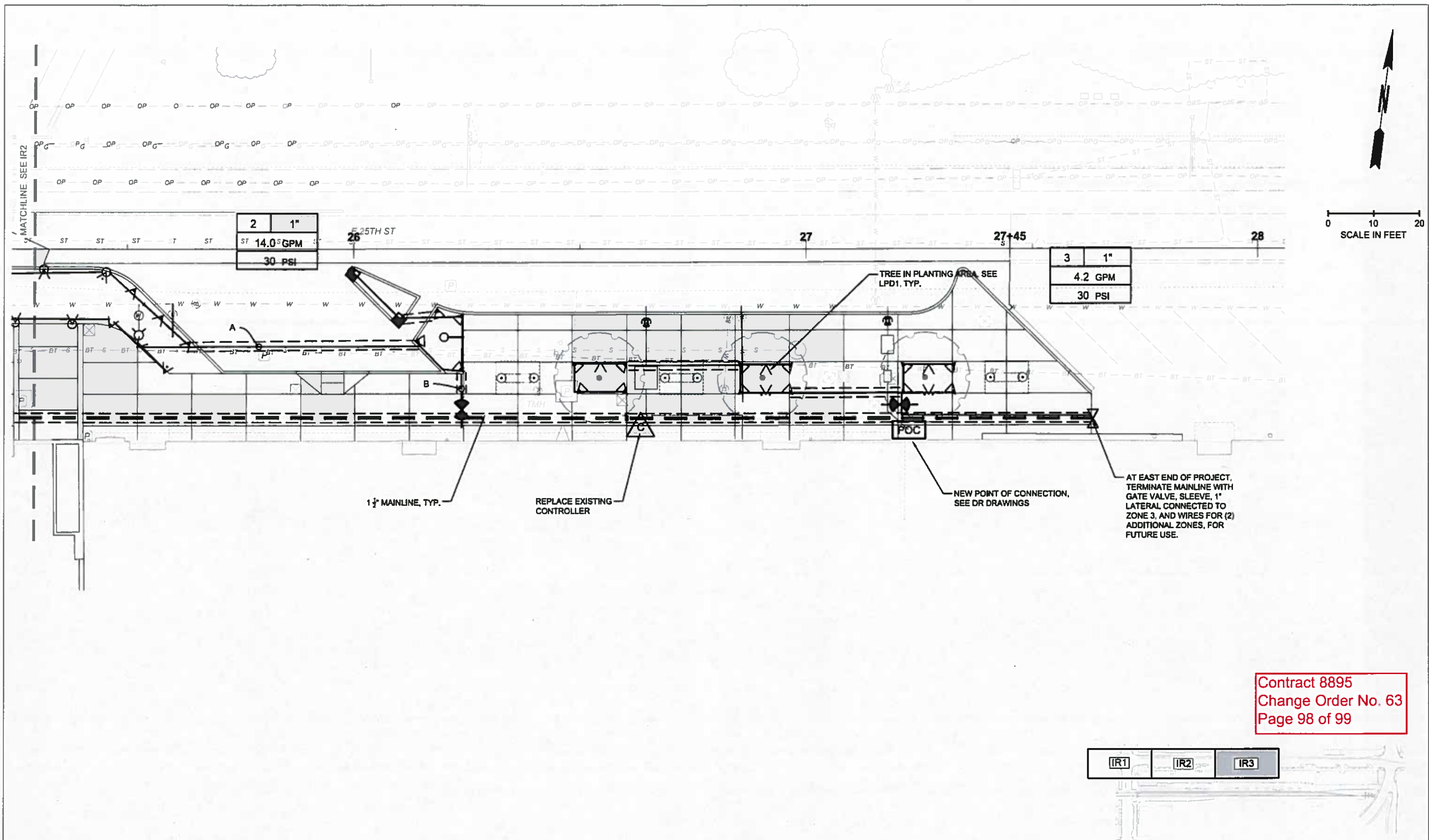


**Karen Kiest
 Landscape Architects**
 111 west john street suite 306
 seattle washington 98119
 tel 206 323 6032



TACOMA AMTRAK CASCADES STATION
 IRRIGATION PLAN

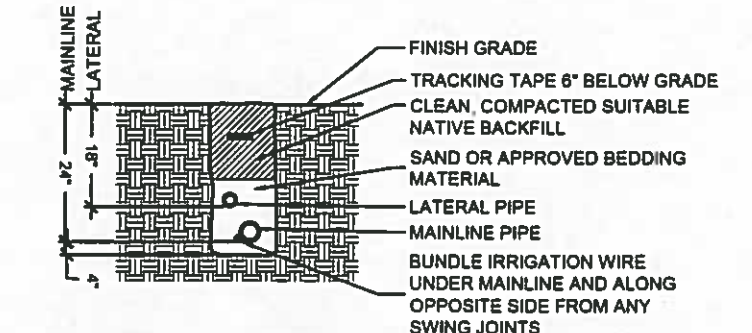
PLAN REF NO.	IR2
SHEET	315
OF	317
SHEETS	



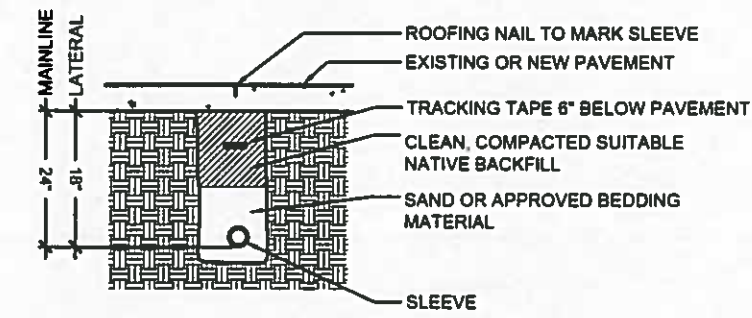
Contract 8895
 Change Order No. 63
 Page 98 of 99

IR1 IR2 IR3

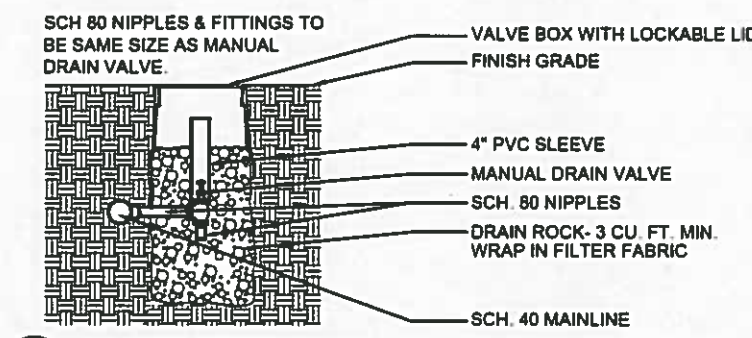
FILE NAME Z:\KLA PROJECTS\FHSGACAD\FHSO-L-IRRG E25.DWG		REGION NO. 10		STATE WASH		FED.AID PROJ.NO. FR-HSR-0017-11-01-06			Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 tel 206 323 6032		TACOMA AMTRAK CASCADES STATION IRRIGATION PLAN	PLAN REF NO. IR3
TIME 12:25 PM	DATE 03/21/17	CONTRACT NO.	LOCATION NO. XL3982		SHEET 316 OF 317 SHEETS							
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KKIEST	PROJ. ENGR. KKIEST	REGIONAL ADM.	PCO 002 REV 1 - ADDED SHEET REVISION	03/21/2017 DATE	IB BY				



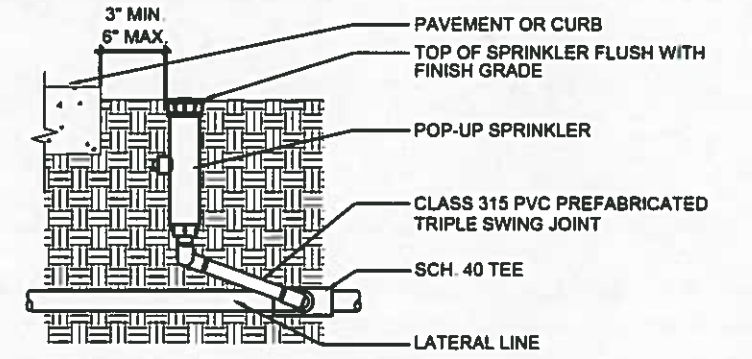
1 IRRIGATION TRENCH
SCALE: NTS



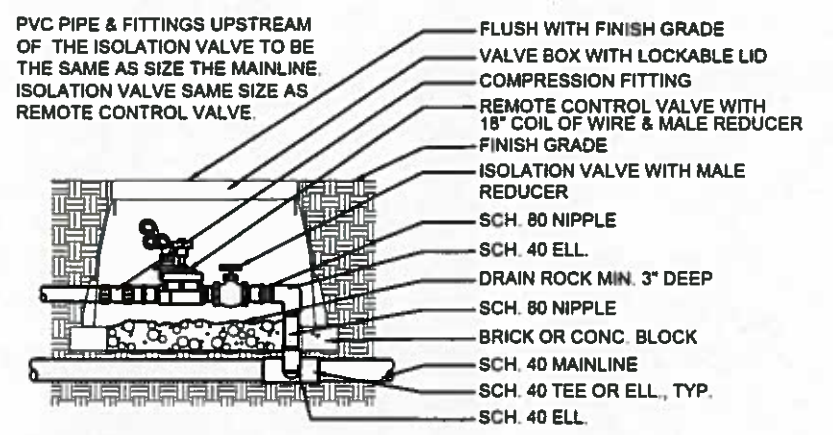
2 IRRIGATION SLEEVE
SCALE: NTS



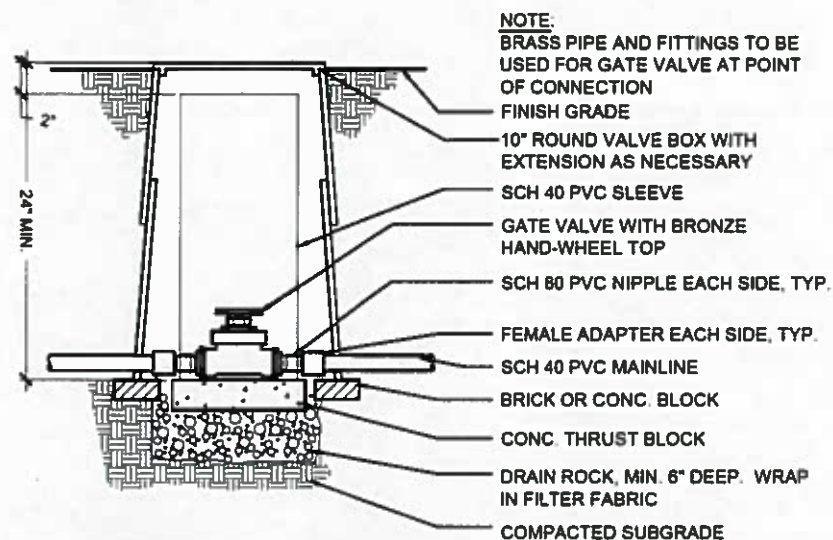
3 MANUAL DRAIN VALVE
SCALE: NTS



4 POP-UP SPRINKLER
SCALE: NTS



5 REMOTE CONTROL VALVE
SCALE: NTS

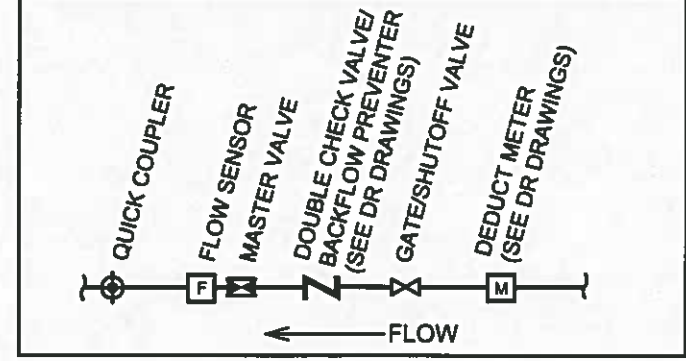


6 GATE VALVE
SCALE: NTS

IRRIGATION LEGEND

SYMBOL	DESCRIPTION
	MAINLINE: SCH 40 PVC, SIZE = 1 1/2"
	LATERAL LINE: CLASS 200 PVC, SIZE AS SHOWN
	SLEEVE: SCH 40 PVC, SIZE Ø = 2X LINE SIZE, 2" MIN
	PROGRAMMABLE CONTROLLER, MINIMUM 6 ZONE, MASTER VALVE/FLOW SENSING SHUT-OFF. RAINBIRD ESP-LX, HUNTER HC, OR IRRITROL RAINMASTER EAGLE
	POINT OF CONNECTION ASSEMBLY, SEE DIAGRAM BELOW.
	MASTER VALVE: NORMALLY CLOSED, 1" SIZE
	FLOW SENSOR: 1" SIZE, RAINBIRD, HUNTER OR TORO
	QUICK COUPLER: 1" SIZE, RAINBIRD, HUNTER OR TORO
	GATE VALVE: GATE VALVE WITH BRONZE HAND WHEEL, LINE SIZE
	REMOTE CONTROL VALVE: RAINBIRD PEB SERIES, HUNTER ICV SERIES, OR TORO P220 SERIES, SIZE PER PLAN
SPRAY SPRINKLERS ALL @ 30 PSI	
SPRAY BODIES: 12" POPUP W/ CHECK VALVE AND PRESSURE REGULATOR: RAINBIRD 1800 SAM-PRS, HUNTER PRS30, OR TORO 570Z PRX.	
SPRAY NOZZLES: MATCHED PRECIPITATION RATE. RAINBIRD MPR, HUNTER PRO-SPRAY, OR TORO MPR PLUS SPRAY NOZZLES.	
PROVIDE APPROPRIATE NOZZLE TO ACHIEVE THE FOLLOWING PATTERNS: SYSTEM DESIGNED WITH THE FOLLOWING GPM PER NOZZLE, AT 30PSI. (GPM MAY VARY AMONG MANUFACTURERS.)	
	5' RADIUS, QUARTER(0.1GPM), HALF(0.2GPM)
	8' RADIUS: QUARTER (0.26GPM), THIRD (0.35GPM), HALF (0.52GPM)
	12' RADIUS: QUARTER (0.65GPM), THIRD (0.87GPM), HALF (1.3GPM)
	4'X15' END STRIP (15RCS, 15LCS) (0.49 GPM)
	4'X30' CENTER STRIP(15SST) (1.21GPM)

POINT OF CONNECTION ASSEMBLY



- NOTES:**
- SEE IRN1 FOR GENERAL IRRIGATION NOTES.
 - SEE IRD1 FOR IRRIGATION SCHEDULE.
 - SEE IRD1 FOR IRRIGATION DETAILS.

Contract 8895
Change Order No. 63
Page 99 of 99

FILE NAME Z:\KLA PROJECTS\FHSQACAD\FHSO-L-IRRG E25 DWG		REGION NO. 10	STATE WASH	FED.AID PROJ.NO. FR-HSR-0017-11-01-06		Washington State Department of Transportation	TACOMA AMTRAK CASCADES STATION	PLAN REF NO. IRD1
TIME 12:28 PM	DATE 03/21/17	JOB NUMBER 16X330	CONTRACT NO.	LOCATION NO. XL3982				SHEET 317 OF 317 SHEETS
PLOTTED BY IBEGLEY	DESIGNED BY IBEGLEY	ENTERED BY IBEGLEY	CHECKED BY KGIEST	PROJ. ENGR. PCO 002 REV 1 - ADDED SHEET	REVISION	DATE 03/21/2017	BY IB	IRRIGATION LEGEND AND DETAILS