

CITY OF TACOMA Public Works Engineering Division

ADDENDUM NO. 6

DATE 05/9/2023

REVISIONS TO: Request for Bids Specification No. PW23-0021F Links to Opportunity Streetscape – Bid Package 3

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE PROPOSAL PAGES:

Remove and replace the Signature Page showing space for 6th Addendum acknowledgement.

Remove and replace the Bid Proposal with Bid Proposal marked Addendum #6.

• Bid Item R-69 Service Connection to Tacoma Power quantity is revised from 12 to 9.

REVISIONS TO THE SPECIAL PROVISIONS:

Special Provision 8-35.2 Material – Lighted Seat Block section has been modified for clarification.

REVISIONS TO THE PLANS:

Replace Plan sheet MC-01. Quantity of bid item R-69 Service Connection to Tacoma Power is changed from 12 to 9.

Replace Plan sheet EC-01. Updated notes and revised plan background.

Replace Plan sheet EC-02. Updated notes and revised plan background.

Replace Plan sheet EC-03. Updated notes and revised plan background.

Replace Plan sheet PV-01. Revised plan background.

Replace Plan sheet PV-02. Revised plan background.

Form No. SPEC-220A

Replace Plan sheet PV-03. Revised plan background.

- Replace Plan sheet PV-11. Revised detail.
- Replace Plan sheet PM-01. Updated pole notes.
- Replace Plan sheet PM-02. Updated pole notes.
- Replace Plan sheet UT-01. Updated notes and revised plan background.
- Replace Plan sheet UT-02. Updated notes and revised plan background.
- Replace Plan sheet UT-03. Updated notes and revised plan background.
- Replace Plan sheet LP-04. Revised plan background.
- Replace Plan sheet LP-06. Revised plan background.
- Replace Plan sheet IR-03. Revised irrigation connection.
- Replace Plan sheet IR-06. Revised irrigation connection.
- Replace Plan sheet IL-00. Revised illumination notes and detail.
- Replace Plan sheet IL-01. Revised illumination plan.
- Replace Plan sheet IL-02. Revised illumination plan.
- Replace Plan sheet IL-03. Revised illumination plan.

REVISIONS TO THE SUBMITTAL PACKAGE:

Remove and replace the Signature Page showing space for 6th Addendum acknowledgement.

Remove and replace the Bid Proposal with Bid Proposal marked Addendum #6.

• Bid Item R-69 Service Connection to Tacoma Power quantity is revised from 12 to 9.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW23-0021F Addendum No. 6. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Jon Kulju, Public Works Engineering

SIGNATURE PAGE

CITY OF TACOMA PUBLIC WORKS ENGINEERING

All submittals must be in ink or typewritten, executed by a duly authorized officer or representative of the bidding/proposing entity, and received and time stamped as directed in the **Request for Bids page near the beginning of the specification**. If the bidder/proposer is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.

REQUEST FOR BIDS SPECIFICATION NO. PW23-0021F Links to Opportunity Streetscape – Bid Package 3

The undersigned bidder/proposer hereby agrees to execute the proposed contract and furnish all materials, labor, tools, equipment and all other facilities and services in accordance with these specifications.

The bidder/proposer agrees, by submitting a bid/proposal under these specifications, that in the event any litigation should arise concerning the submission of bids/proposals or the award of contract under this specification, Request for Bids, Request for Proposals or Request for Qualifications, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

Non-Collusion Declaration

The undersigned bidder/proposer hereby certifies under penalty of perjury that this bid/proposal is genuine and not a sham or collusive bid/proposal, or made in the interests or on behalf of any person or entity not herein named; and that said bidder/proposer has not directly or indirectly induced or solicited any contractor or supplier on the above work to put in a sham bid/proposal or any person or entity to refrain from submitting a bid/proposal; and that said bidder/proposer has not, in any manner, sought by collusion to secure to itself an advantage over any other contractor(s) or person(s).

Bidder/Proposer's Registered Name		Signature of Pe into Contracts f			Date
Address		Printed Name a	and Title		
City, State, Zip		(Area Cada) Ta	Jonhono Num		har
Authorized Signatory E-Mail Address		(Area Code) Te	ephone Nun	ider / Fax Num	bei
		State Business in WA, also known	Number		
E.I.No. / Federal Social Security Number Used on Quarterly Federal Tax Return, U.S. Treasury Dept. Form 941					
		State Contracto (See Ch. 18.27		lumber	
E-Mail Address for Communications					
ddendum acknowledgement #1	#2_	#3	#4	#5	#6

THIS PAGE MUST BE SIGNED AND RETURNED WITH SUBMITTAL.

<u>BID PROPOSAL</u>

SPECIFICATION NO. PW23-0021F Links to Opportunity Streetscape Bid Package #3

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. PWK-G0041 and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices:

- NOTE: 1. Unit prices of all items, all extensions and total amount of bid should be shown. Show unit prices in figures only.
 - 2. The notations below the item numbers refer to the specification section where information may be found regarding each contract item. These notations are intended only as a guide and are not warranted to refer to all specification sections where information may be found.

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-1	1-04	Minor Changes	Force Account	Estimate	Estimated	\$25,000.00
R-2	1-05	Roadway Surveying	Lump Sum	1	Lump Sum	\$
R-3	1-05	Record Drawings	Lump Sum	1	Minimum Bid \$1000	\$
R-4	1-07	SPCC Plan	Lump Sum	1	Lump Sum	\$
R-5	1-07	Archeological and Historical Objects Salvage	Force Account	Estimated	Estimated	\$10,000.00
R-6	1-09	Mobilization	Lump Sum	1	Lump Sum	\$
R-7	1-10	Pedestrian Traffic Control	Lump Sum	1	Lump Sum	\$
R-8	1-10	Uniformed Police Officer for Traffic Control	HR	500	\$	\$
R-9	1-10	Project Temporary Traffic Control	Lump Sum	1	Lump Sum	\$
Cor	tractor'a	Nama				

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-10	2-01	Certified Arborist	Lump Sum	1	Lump Sum	\$
R-11	2-01	Certified Arborist Assessment Report Compliance	Force Account	Estimated	Estimated	\$5,000
R-12	2-01	Roadside Cleanup	Force Account	Estimated	Estimated	\$70,625.00
R-13	2-01	Clearing and Grubbing	Lump Sum	1	Lump Sum	\$
R-14	2-02	Removal of Structure and Obstruction	Lump Sum	1	Lump Sum	\$
R-15	2-02	Test Holes	Lin. Ft.	100	\$	\$
R-16	2-06	Subgrade Maintenance and Protection	Lump Sum	1	Lump Sum	\$
R-17	2-14	Remove Existing Pavement, Type I, Class A2	Sq. Yd.	200	\$	\$
R-18	2-14	Remove Existing Pavement, Type I, Class A4	Sq. Yd.	300	\$	\$
R-19	2-14	Remove Existing Pavement, Type I, Class C6	Sq. Yd.	3,800	\$	\$
R-20	2-14	Remove Existing Pavement, Type I, Class C12	Sq. Yd.	500	\$	\$
R-21	2-14	Remove Existing Pavement, Type III, Class C6	Sq. Yd.	100	\$	\$
R-22	2-15	Remove Curb	Lin. Ft.	200	\$	\$
R-23	2-18	Remove and Relocate Existing Planter Pot	Each	17	\$	\$
R-24	2-18	Remove and Relocate Existing Sign	Each	9	\$	\$
R-25	2-18	Remove and Relocate Existing Trash Can	Each	10	\$	\$
Cor	ntractor's	Name:				

Specification Number: PW23-0021F Links to Opportunity Bid Package 3

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-26	2-18	Coordinate Bus Shelter Work with Pierce Transit	Each	4	\$	\$
R-27	2-18	Remove and Relocate Existing Kiosk	Each	1	\$	\$
R-28	2-18	Remove and Relocate Existing Mail Drop Box	Each	1	\$	\$
R-29	2-18	Remove and Relocate Existing Security Pole	Each	1	\$	\$
R-30	2-18	Remove and Relocate Existing Historic Maker's Mark Imprint	Each	4	\$	\$
R-31	2-19	Remove and Replace Existing Lid with ADA Compliant Non-slip Lid	Each	112	\$	\$
R-32	2-20	Remove Wall 0-4 Ft	Lin. Ft.	105	\$	\$
R-33	2-20	Remove Fence and Gate	Lin. Ft.	238	\$	\$
R-34	2-20	Remove Stairs	Sq. Ft.	40	\$	\$
R-35	2-20	Remove Business District Banner	Lump Sum	1	Lump Sum	\$
R-36	2-21	Site Health & Safety Plan	Lump Sum	1	Lump Sum	\$
R-37	2-21	Site Health and Safety Officer	Lump Sum	1	Lump Sum	\$
R-38	2-21	Soil Management Plan	Lump Sum	1	Lump Sum	\$
R-39	2-21	Excavation and Haul of Contaminated Materials	Force Account	Estimated	Estimated	\$5,000
R-40	4-04	Crushed Surfacing Base Course	Cu. Yd.	275	\$	\$
R-41	4-04	Crushed Surfacing Top Course	Cu. Yd.	225	\$	\$
R-42	5-04	HMA CL ½ In. PG 58H-22	Ton	140	\$	\$

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-43	5-04	Cold Plant Mix for Temporary Pavement Patch	Ton	100	\$	\$
R-44	5-05	Cement Conc. Pavement	Sq. Yd.	30	\$	\$
R-45	7-05	Adjust Existing Catch Basin, Furnish New Frame and Grate	Each	2	\$	\$
R-46	7-05	Adjust Existing Utility Lid to Grade	Each	109	\$	\$
R-47	7-09	Ductile Iron Sleeve 6 in. Diam.	Lin. Ft.	15	\$	\$
R-48	7-17	Ductile Iron Sewer Pipe 3 in. diam.	Lin. Ft.	290	\$	\$
R-49	7-20	Trench Drain	Lin. Ft.	88	\$	\$
R-50	8-01	NPDES Construction Stormwater General Permit	Lump Sum	1	Lump Sum	\$
R-51	8-01	Erosion Control and Water Pollution Prevention	Lump Sum	1	Lump Sum	\$
R-52	8-01	Stormwater Pollution Prevention Plan (SWPPP)	Lump Sum	1	Lump Sum	\$
R-53	8-02	Soil Mix 1	Cu. Yd.	256	\$	\$
R-54	8-02	Plant Selection – Tree	Each	57	\$	\$
R-55	8-02	Soil Amendment	Sq. Yd.	860	\$	\$
R-56	8-02	Tree Root Barrier	Lin. Ft.	1,573	\$	\$
R-57	8-02	Decorative Gravel	Cu. Yd.	20	\$	\$
R-58	8-02	Tree Protection	Each	14	\$	\$
R-59	8-02	Tree Watering Bag System	Each	15	\$	\$
R-60	8-03	Irrigation System Complete	Lump Sum	1	Lump Sum	\$

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-61	8-04	Traffic Curb and Gutter	Lin. Ft.	108	\$	\$
R-62	8-04	Pedestrian Curb	Lin. Ft.	60	\$	\$
R-63	8-04	Extruded Curb	Lin. Ft.	5	\$	\$
R-64	8-06	Cement Conc. Driveway Entrance Type 1	Sq. Yd.	100	\$	\$
R-65	8-06	Cement Conc. Driveway Entrance Type 2	Sq. Yd.	300	\$	\$
R-66	8-14	Cement Conc. Sidewalk	Sq. Yd.	5,105	\$	\$
R-67	8-14	Welcoming Mat	Sq. Ft.	360	\$	\$
R-68	8-20	Illumination System, Complete	Lump Sum	1	Lump Sum	\$
R-69	8-20	Service Connection to Tacoma Power	Each	9	\$	\$
R-70	8-21	Permanent Signing	Each	19	\$	\$
R-71	8-22	Parking Stall Striping	Lin. Ft.	40	\$	\$
R-72	8-22	Access Parking Space Symbol	Each	1	\$	\$
R-73	8-22	Painting Curb	Lin. Ft.	123	\$	\$
R-74	8-22	Remove Paint Line	Lin. Ft.	44	\$	\$
R-75	8-30	Cement Conc. Stairway	Sq. Ft.	6	\$	\$
R-76	8-31	4" Conc. Sandblasting Strip	Lin. Ft.	2,000	\$	\$
R-77	8-32	Unit Pavers	Sq. Ft.	360	\$	\$
R-78	8-33	Granite Stone Panels with Quote	Each	9	\$	\$
R-79	8-34	Vertical Marker Columns	Each	2	\$	\$

ltem No.	Sect.	Item Description	Unit	Estimated Quantity	Unit Price	Total Amount
R-80	8-35	Bench	Each	4	\$	\$
R-81	8-35	Lighted Seat Block	Each	17	\$	\$
R-82	8-35	Lean Rail	Each	2	\$	\$
R-83	8-35	Game Table	Each	1	\$	\$
R-84	8-35	Street Chair	Each	4	\$	\$
R-85	8-35	Replace Existing Fence in Kind	Lin. Ft.	220	\$	\$
R-86	8-35	Replace Existing Gate in Kind	Each	8	\$	\$
R-87	8-36	Bike Corral	Each	3	\$	\$
R-88	8-38	Bike Rack	Each	34	\$	\$
R-89	8-40	Commercial ADA Ramp	Each	1	\$	\$
R-90	8-41	Cement Colored Concrete	Sq. Yd.	900	\$	\$
R-91	8-45	Informational Plaque	Each	11	\$	\$
R-92	8-46	Temporary Outdoor Mat for Pedestrians	Sq. Ft.	3,500	\$	\$
R-93	8-46	Temporary Bypass Ramps	Each	15	\$	\$
R-94	8-47	Accessibility Work Plan	Lump Sum	1	Lump Sum	\$
R-95	8-48	Maintain Required Access	Lump Sum	1	Lump Sum	\$
R-96	8-49	Protection or Private Property	Lump Sum	1	Lump Sum	\$

TOTAL BASE BID FOR ITEMS R-1 THRU R-96

Contractor's Name: _____ Specification Number: PW23-0021F Links to Opportunity Bid Package 3 \$_

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8-35 SITE AND STREET FURNISHINGS

8-35.1 Description

This work consists of furnishing and installing benches, trash receptacles, and bicycle racks, as detailed in the Plans.

11 8-35.2 Materials

12 13 **Bench**:

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14	Backed bence	with arm rests at ends and center per Landscape Forms: 'NeoCombo' of	or
15	approved eq	al.	
16	Material:	Anodized Aluminum	

- 17 Color: Powdercoated Black
- 18 Length: 59 inches
- 19 Depth: 26.5 inches
- 20 Overall Height: 31 inches
- 21 Mounting: Surface mount with corrosion resistant anchor bolts

22 23 **Chair:**

- 24 Backed chair with arm rests per Landscape Forms: 'NeoCombo' or approved equal.
- 25 Material: Anodized Aluminum
- 26 Color: Powdercoated Black
- 27 Length: 24 inches
- 28 Depth: 26.5 inches
- 29 Overall Height: 31 inches
- 30 Mounting: Surface mount with corrosion resistant anchor bolts

3132 Game Table:

- 33 Square table with perforated chess pattern. Landscape Forms: 'Park Centre' or approved
- 34 equal.
- 35 Material: Powdercoated Steel
- 36 Color: Silver
- 37 Width: 28 inches
- 38 Depth: 28 inches
- 39 Overall Height: 29-1/2 inches
- 40 Mounting: Surface mount with steel base plate with corrosion resistant anchor bolts 41

42 Lean Rail:

- 43 Leaning rail. Landscape Forms: 'Jessie' or approved equal.
- 44 Material: Aluminum
- 45 Color: Powdercoated black
- 46 Length: 96 inches
- 47 Depth: 3 inches
- 48 Overall Height: 42 inches

1 2	Mounting:	Surface mount with corrosion resistant anchor bolts
3	Lighted Seat Block:	
4	Backless cast sto	ne bench. Landscape Forms: 'Socrates' or approved equal.
5	Material:	Escofet cast stone concrete
6	Length:	24 inches
7	Depth:	24 inches
8	Overall Height:	18 inches
9	Color:	White. Color shall be integral colored concrete with UV and fade resistant
10		<mark>color pigments.</mark>
11	Mounting:	Embedded
12	Lighting:	Heavy Duty waterproof RGBW LED strip lighting with built in driver, UL
13		listed, IP67 rated.
14	Field Changes:	Contractor is responsible for all core drills and other field revisions to
15		premanufactured seat block necessary to provide anchoring, electrical
16		connections, and LED light as shown on the plans. Review and approval
17		of the proposed field revisions, including but not limited to core drills, LED
18		light, and access cap, shall be reviewed and approved by the City on
19		shop drawings prior to purchasing of the proposed premanufactured
20		blocks by the Contractor.
21		
22		nce and Gate In-Kind:
23		ing fence and associated gate(s) in-kind as noted on plans including
24		dations, posts as required depending on fence type shown on plans,
25		hardware, connections to existing fencing and returns, and any other
26		on the existing fencing and gates to be replaced. Fences and gates and
27	associated for	undations shall be located entirely on private property. Gates must swing

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away from the roadway.

8-35.3 Construction Requirements

32 8-35.3(1) Quality Assurance33

Manufacturing standards: Provide each item of equipment as a complete unit produced by a
 single manufacturer, including fittings, accessories, frames, bases, and anchorage devices.

- 37 Construction: Construct each item and ship to the site in minimum number of sections.
- Conflicts: Compare manufacturer's shop drawings of all products with the products shown on
 the Drawings. If conflicts arise between shop drawings and the Drawings, notify Owner's
 Representative before proceeding with the Work.
- 41
- Warranty: Warranty furnishings against any defects in material and/or workmanship for a period
 of three years from the date of install.

46 8-35.3(2) Submittals

47

Product Data: For each type of product indicated. Include construction details, material
 descriptions, dimensions of individual components and profiles, finishes, field-assembly
 requirements, and installation details.

5 Product Schedule: For site furnishings. Use same designations indicated on Drawings.

67 Samples: For each exposed product and for each color and texture specified.

8 9

Shop Drawings: Submit manufacturer's shop drawings of all products for approval by Owner's

10 Representative prior to fabrication or supplying. Shop drawing shall include installation and 11 leveling methods for each type of site furnishing, including hardware intended to be utilized.

12

13 8-35.3(3) Examination

14

Examine areas and conditions, with Installer present, for compliance with requirements for
 correct and level finished grade, mounting surfaces, installation tolerances, and other conditions
 affecting performance.

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Notify the Owner's Representative of any conditions detrimental to the proper and timely
completion of the work. Do not proceed with installation until unsatisfactory conditions have
been corrected and are acceptable to the installer. Notify Owner's Representative for
observation of layout prior to installation.

24 8-35.3(4) Installation, General

Comply with manufacturer's written installation instructions, unless more stringent requirements
 are indicated. Complete field assembly of site and street furnishings, where required.

Unless otherwise indicated, install site furnishings after landscaping and paving have been
 completed. Obtain approval of layout location from Owner's Representative prior to installing.

31

When installation requires a thickened concrete base beneath furnishings or concrete pavers, install concrete base prior to mounting. Allow concrete pavers to be placed over top of concrete

- 34 base where indicated.
- 35

Core drill hole through concrete pavers into concrete base, epoxy support threaded post in place ensuring posts are set plumb and are aligned at correct angle, height and spacing.

38

Install site furnishings level, plumb, true, and securely anchored at locations indicated onDrawings.

41

Where threaded posts are exposed after setting of site furnishing cut tops to 1/8 inch above nut
and grind smooth. Deform threads.

45 8-35.3(5) Cleaning

46

47 After completing site furnishing installation, inspect components. Remove spots, dirt, and
48 debris. Repair damaged finishes to match original finish or replace component.

1 2 3	8-35.4	Measurement
4 5	Benches s	shall be measured per each.
6 7	Street Cha	airs shall be measured per each.
8 9	Game Tab	oles shall be measured per each.
10 11	Lean Rails	s shall be measured per each.
12 13	Lighted Se	eat Blocks shall be measured per each.
14 15	8-35.5	Payment
16 17 18		will be made for each of the following Bid items that are included in the proposal, and Ill compensation for all Work associated with these items:
19 20	"Bench", p	ber each.
21 22	"Street Ch	nair", per each.
23 24	"Game Ta	ble", per each.
25 26	"Lean Rai	l", per each.
27 28	"Lighted S	Seat Block", per each.
29 30		END OF SECTION

Item Number	Tacoma Standard Item #	Item Description	Unit	Q
	ENERAL REQUIREMENTS			<u> </u>
R-1	1-04	MINOR CHANGES	F.A.	1
R-2	1-05	ROADWAY SURVEYING	L.S.	1
R-3	1-05	RECORD DRAWINGS (\$1000 MIN)	L.S.	1
R-4	1-07	SPCC PLAN	L.S.	
	1-07	ARCHAEOLOGICAL AND HISTORICAL OBJECT SALVAGE	F.A.	1
R-6	1-09	MOBILIZATION	L.S.	1
R-7	1-10	PEDESTRIAN TRAFFIC CONTROL	L.S.	1
R-8	1-10	UNIFORMED POLICE OFFICER FOR TRAFFIC CONTROL	H.R.	5
R-9	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	1
DIVISION 2 - E	ARTHWORK		4	
R-10	2-01	CERTIFIED ARBORIST	L.S.	1
R-11	2-01	CERTIFIED ARBORIST ASSESSMENT REPORT COMPLIANCE	F.A.	1
R-12	2-01	ROADSIDE CLEANUP	F.A.	1
R-13	2-01	CLEARING AND GRUBBING	L.S.	1
R-14	2-02	REMOVAL OF STRUCTURE AND OBSTRUCTION	L.S.	1
R-15	2-02	TEST HOLES	L.F.	10
R-16	2-06	SUBGRADE MAINTENANCE AND PROTECTION	L.S.	1
R-17	2-14	REMOVE EXISTING PAVEMENT, TYPE I, CLASS A2	S.Y.	20
R-18	2-14	REMOVE EXISTING PAVEMENT, TYPE I, CLASS A4	S.Y.	30
R-19	2-14	REMOVE EXISTING PAVEMENT, TYPE I, CLASS C6	S.Y.	3,
R-20	2-14	REMOVE EXISTING PAVEMENT, TYPE I, CLASS C12	S.Y.	50
R-21	2-14	REMOVE EXISTING PAVEMENT, TYPE III, CLASS C6	S.Y.	10
R-22	2-15	REMOVE EXISTING CURB	L.F.	20
R-23	2-18	REMOVE AND RELOCATE EXISTING PLANTER POT	EACH	17
R-24	2-18	REMOVE AND RELOCATE EXISTING SIGN	EACH	9
R-25	2-18	REMOVE AND RELOCATE EXISTING TRASH CAN	EACH	10
R-26	2-18	COORDINATE BUS SHELTER WORK WITH PIERCE TRANSIT	EACH	4
R-27	2-18	REMOVE AND RELOCATE EXISTING KIOSK	EACH	1
R-28	2-18	REMOVE AND RELOCATE EXSITIGN MAIL DROP BOX	EACH	1
R-29	2-18	REMOVE AND RELOCATE EXISTING SECURITY POLE	EACH	1
R-30	2-18	REMOVE AND RELOCATE EXISTING HISTORIC MAKER'S MARK IMPRINT	EACH	4
R-31	2-19	REMOVE AND REPLACE EXISTING LID WITH ADA COMPLIANT NON-SLIP LID	EACH	11
R-32	2-20	REMOVE WALL 0-4FT	L.F.	10
R-33	2-20	REMOVE FENCE AND GATE	L.F.	23
R-34	2-20	REMOVE STAIRS	S.F.	40
R-35	2-20	REMOVE BUSINESS DISTRICT BANNER	L.S.	1
R-36	2-21	SITE HEALTH & SAFETY PLAN	L.S.	1
R-37	2-21	SITE HEALTH AND SAFETY OFFICER	L.S.	1
R-38	2-21	SOIL MANAGEMENT PLAN	L.S.	1
R-39	2-21	EXCAVATION AND HAUL OF CONTAMINATED MATERIALS	F.A.	1
DIVISION 4 - B	ASES	1		
R-40	4-04	CRUSHED SURFACING BASE COURSE	C.Y.	27
R-41	4-04	CRUSHED SURFACING TOP COURSE	C.Y.	22
DIVISION 5 - SU	JRFACE TREATMENTS AND			
R-42	5-04	HMA CL. 1/2 IN. PG 58H-22	TON	14
R-43	5-04	COLD PLANT MIX FOR TEMPORARY PAVEMENT PATCH	TON	10
R-44	5-05	CEMENT CONC. PAVEMENT	S.Y.	30
DIVISION 7 - D	RAINAGE STRUCTURES, ST	ORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS		
R-45	7-05	ADJUST EXISTING CATCH BASIN, FURNISH NEW FRAME AND GRATE	EACH	2
R-46	7-05	ADJUST EXISTING UTILITY LID TO GRADE	EACH	10
R-47	7-09	DUCTILE IRON SLEVE 6 IN. DIAM.	L.F.	15
R-48	7-17	DUCTILE IRON SEWER PIPE 3 IN. DIAM	L.F.	29

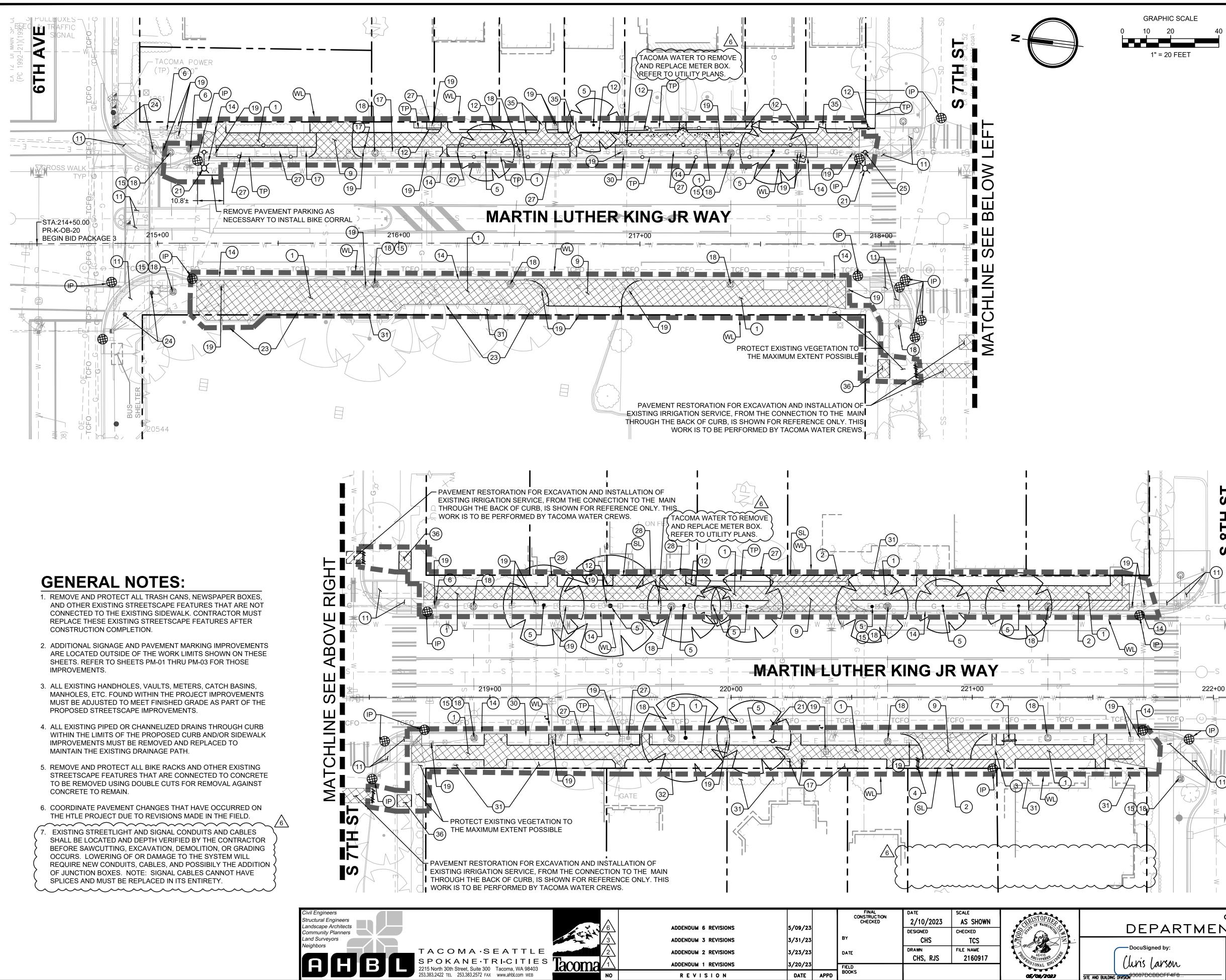
ivil Engineers

Civil Engineers Structural Engineers Landscape Architects Community Planners Land Surveyors Neighbors TACOMA·SEATTLE SPOKANE·TRI-CITIES 2215 North 30th Street, Suite 300 253.383.2422 TEL 253.383.2572 FAX WWW.ahbl.com WEB

IVISION 8 - MISC	ELLANEIOUS CONS	STRUCTION		
R-50	8-01	NPDES CONSTRUCTION STORMWATER GENERAL PERMIT	L.S.	1
R-51	8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	1
R-52	8-01	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	L.S.	1
R-53	8-02	SOIL MIX 1	С.Ү.	256
R-54	8-02	PLANT SELECTION - TREE	EACH	57
R-55	8-02	SOIL AMENDMENT	S.Y.	860
R-56	8-02	TREE ROOT BARRIER	L.F.	1,57
R-57	8-02	DECORATIVE GRAVEL	C.Y.	20
R-58	8-02	TREE PROTECTION	EACH	14
R-59	8-02	TREE WATERING BAG SYSTEM	EACH	15
R-60	8-03	IRRIGATION SYSTEM COMPLETE	L.S.	1
R-61	8-04	TRAFFIC CURB AND GUTTER	L.F.	108
R-62	8-04	PEDESTRIAN CURB	L.F.	60
R-63	8-04	EXTRUDED CURB	L.F.	5
R-64	8-06	CEMENT CONCRETE ACCESS TYPE 1	S.Y.	100
R-65	8-06	CEMENT CONCRETE ACCESS TYPE 2	S.Y.	300
R-66	8-14	CEMENT CONC. SIDEWALK	S.Y.	5,10
R-67	8-14	WELCOME MAT	S.F.	360
R-68	8-20	ILLUMINATION SYSTEM COMPLETE	L.S.	1_
R-69	8-20	SERVICE CONNECTION TO TACOMA POWER	EACH	19
R-70	8-21	PERMANENT SIGNING	EACH	19
R-71	8-22	PARKING STALL STRIPING	L.F.	40
R-72	8-22	ACCESS PARKING SPACE SYMBOL	EACH	1
R-73	8-22	PAINTING CURB	L.F.	50
R-74	8-22	REMOVE PAINT LINE	L.F.	44
R-75	8-30	CEMENT CONC. STAIRWAY	S.F.	6
R-76	8-31	4" CONC. SANDBLASTING STRIP	L.F.	2,00
R-77	8-32	UNIT PAVERS	S.F.	360
R-78	8-33	GRANITE STONE PANELS WITH QUOTE	EACH	9
R-79	8-34	VERTIAL MARKER COLUMNS	EACH	2
R-80	8-35	BENCH	EACH	4
R-81	8-35	LIGHTED SEAT BLOCK	EACH	17
R-82	8-35	LEAN RAIL	EACH	2
R-83	8-35	GAME TABLE	EACH	1
R-84	8-35	STREET CHAIR	EACH	4
R-85	8-35	REPLACE EXISTING FENCE IN-KIND	L.F.	220
R-86	8-35	REPLACE EXISTING GATE IN-KIND	EACH	8
R-87	8-36	BIKE CORRAL	EACH	3
R-88	8-38	BIKE RACK	EACH	34
R-89	8-40	COMMERCIAL ADA RAMP	EACH	1
R-90	8-41	CEMENT COLORED CONCRETE	S.F.	8,00
R-91	8-45	INFORMATIONAL PLAQUE	EACH	11
R-92	8-46	TEMPORARY OUTDOOR MATS FOR PEDESTRIANS	S.F.	3,50
R-93	8-46	TEMPORARY BYPASS RAMPS	EACH	15
R-94	8-47	ACCESSIBILITY WORK PLAN	L.S.	1
R-95	8-48	MAINTAIN REQUIRED ACCESS	L.S.	1
R-96	8-49	PROTECTION OF PRIVATE PROPERTY	L.S.	1

ADDENDUM 6 REVISIONS	5/09/23	FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	CURISTOPHER SUPPOR MASHING BALL	DEPARTMEN	city of tacoma NT OF PUBLIC WORKS	work order no. PWK-G0041-04-03
ADDENDUM 3 REVISIONS ADDENDUM 2 REVISIONS	3/31/23 3/23/23	BY	CHS DRAWN CHS, RJS	TCS FILE NAME 2160917	Herister Charles	DocuSigned by:	LINKS TO OPPORTUNITY STREETSCAPE PROJECT GENERAL NOTES, LEGEND AND	AHBL JOB NO. 2160917.10
ADDENDUM 1 REVISIONS REVISION	3/20/23 DATE APPD	FIELD BOOKS			05/08/2023	ITE AND BUILDING DIVISION 87DCBBCFF4F8	SUMMARY OF QUANTITIES	^{Sheet no.} MC-01 sheet 2 оf 58

BID PACKAGE 3



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DATE APPD

05/08/2023

REVISION

			GEND:			
40					INLET PROTECTION	
					REMOVE EXISTING CONCRET	E
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			¥ 0		EXISTING TREE TO REMAIN	
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		2	REMOVE EXISTING AS	SPHAL	Г	
		3	REMOVE EXISTING DF	RAIN T	HROUGH CURB	
		(4)	REMOVE EXISTING CL	JRB		
		(5)			R CITY OF TACOMA REQUIRE	
		<u>(6)</u>	NECESSARY	DUVE	GROUND UTILITY, ADJUST TO	MEET GRADE IF
		(7)	REMOVE EXISTING ST		SCAPE FEATURE RECEPTACLE AND RESET PER	
		(8)	STREET FURNISHING	PLAN	AY, REFER TO PAVING AND ST	
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		10			ONTRACTOR MUST COORDINA	
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11)		(19)	PROTĚCŤ EXISTING U	ŤILĬŤŶ	SŤRŮCTŮŘE ĂNĎ ĂDJŮST ŘIN D UTILITY PLANS FOR ADJUST	
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≷ 7)		27)			ER CITY OF TACOMA STD. PLA	N LS-01 AND LS-02
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	T	9			M OF PROPOSED METER.	BID PACKAGE 3
			ТАСОМА			WORK ORDER NO.
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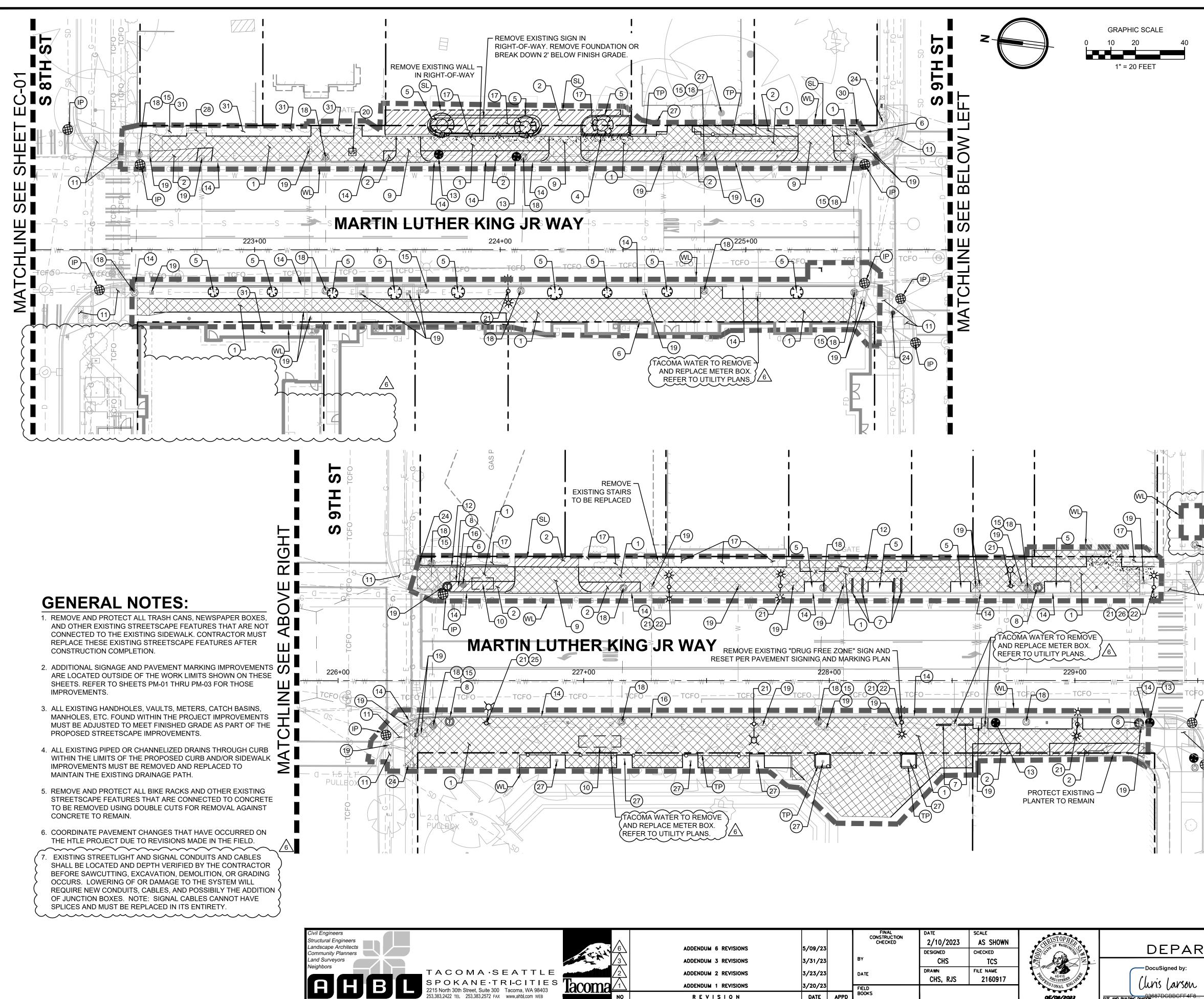
214+50 TO OB STA 222+10

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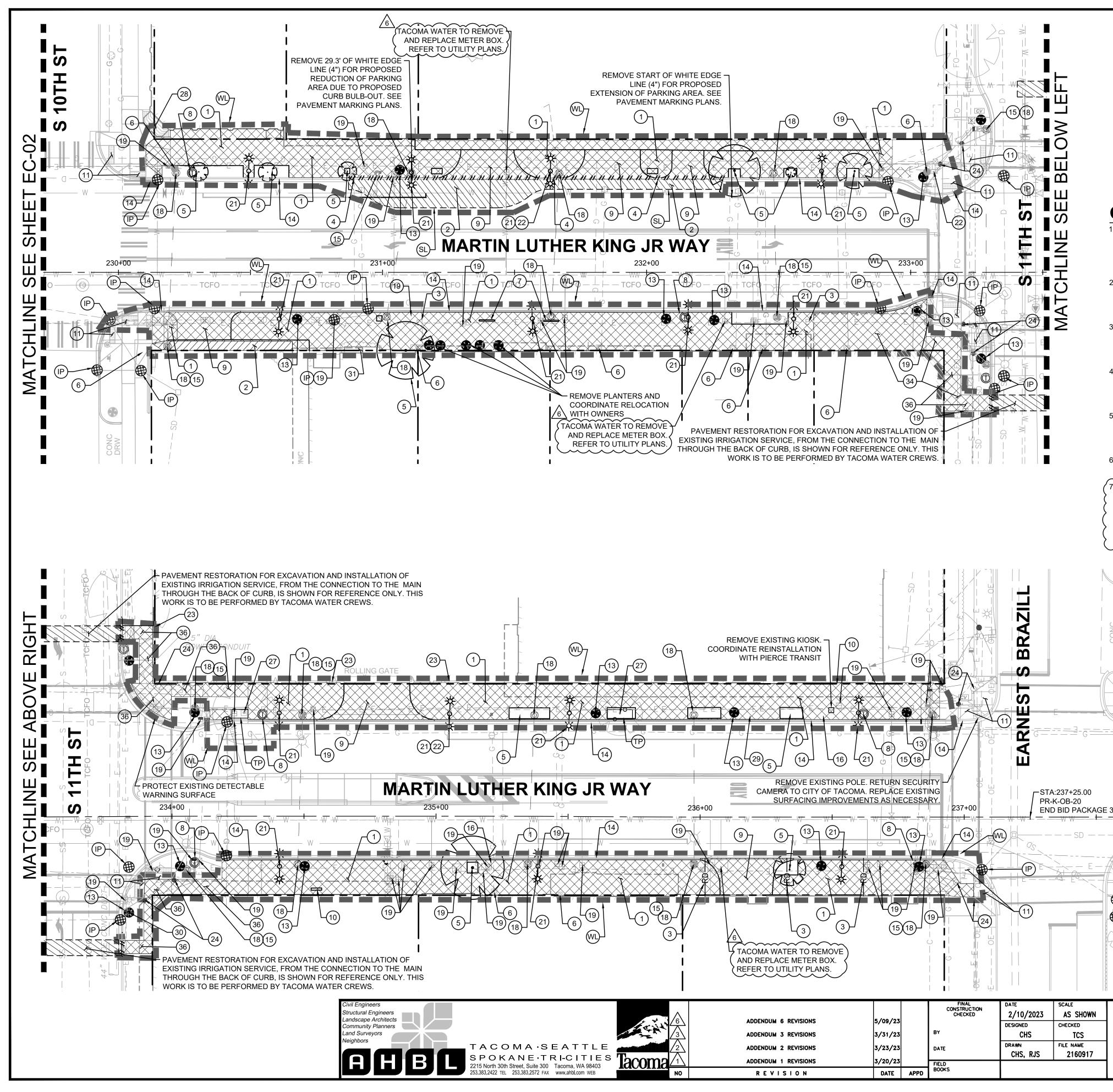
ADDENDUM 6 REVISIONS	5/09/23		FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	CHRISTOPHER CHRISTOP WASHING ST	DEPAR
ADDENDUM 3 REVISIONS ADDENDUM 2 REVISIONS	3/31/23 3/23/23		BY DATE	CHS DRAWN CHS, RJS	TCS File name 2160917	The particular state	DocuSigned by:
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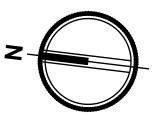
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	REMOVE AND REPLAC	CE EXISTING SIDEWALK PANELS TO 7 TO EXCAVATE AND INSTALL PROP	
	SERVICE LINE DOWNS	STREAM OF PROPOSED METER.	BID PACKAGE 3
	OF TACOMA	WORKS	work order no. PWK-G0041-04-03
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TESC AND DEMOLITION PLAN OB STA

222+10 TO OB STA 229+70

SHEET NO. EC-02 SHEET 4 OF 58

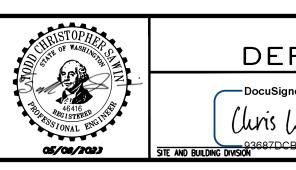






GENERAL NOTES:

- 1. REMOVE AND PROTECT ALL TRASH CANS, NEWSPAPER BOXES, AND OTHER EXISTING STREETSCAPE FEATURES THAT ARE NOT CONNECTED TO THE EXISTING SIDEWALK. CONTRACTOR MUST REPLACE THESE EXISTING STREETSCAPE FEATURES AFTER CONSTRUCTION COMPLETION.
- 2. ADDITIONAL SIGNAGE AND PAVEMENT MARKING IMPROVEMENTS ARE LOCATED OUTSIDE OF THE WORK LIMITS SHOWN ON THESE SHEETS. REFER TO SHEETS PM-01 THRU PM-03 FOR THOSE IMPROVEMENTS.
- 3. ALL EXISTING HANDHOLES, VAULTS, METERS, CATCH BASINS, MANHOLES, ETC. FOUND WITHIN THE PROJECT IMPROVEMENTS MUST BE ADJUSTED TO MEET FINISHED GRADE AS PART OF THE PROPOSED STREETSCAPE IMPROVEMENTS.
- 4. ALL EXISTING PIPED OR CHANNELIZED DRAINS THROUGH CURB WITHIN THE LIMITS OF THE PROPOSED CURB AND/OR SIDEWALK IMPROVEMENTS MUST BE REMOVED AND REPLACED TO MAINTAIN THE EXISTING DRAINAGE PATH.
- 5. REMOVE AND PROTECT ALL BIKE RACKS AND OTHER EXISTING STREETSCAPE FEATURES THAT ARE CONNECTED TO CONCRETE TO BE REMOVED USING DOUBLE CUTS FOR REMOVAL AGAINST CONCRETE TO REMAIN.
- 6. COORDINATE PAVEMENT CHANGES THAT HAVE OCCURRED ON THE HTLE PROJECT DUE TO REVISIONS MADE IN THE FIELD.
- EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION, OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES, AND POSSIBILY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY. _____

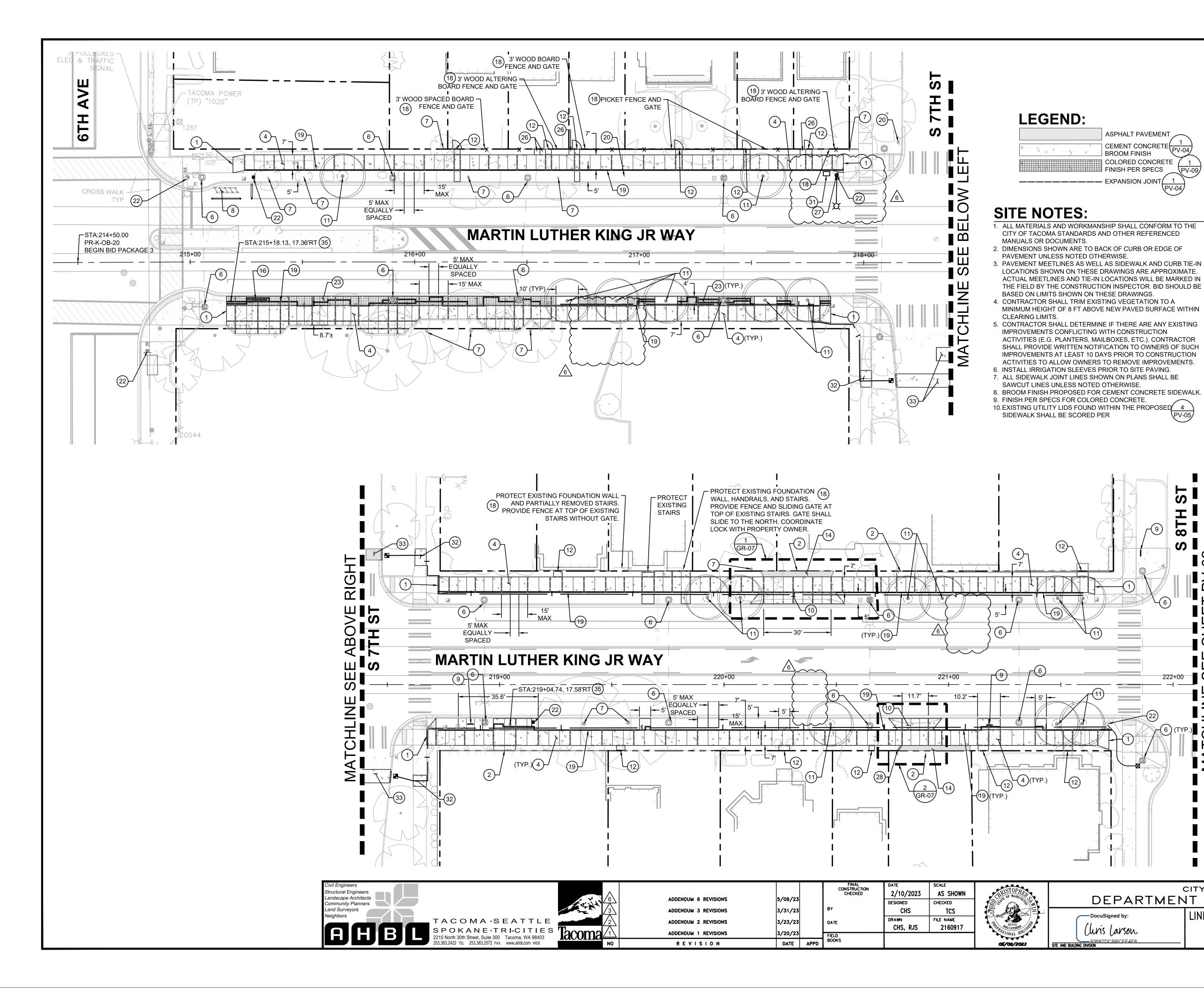


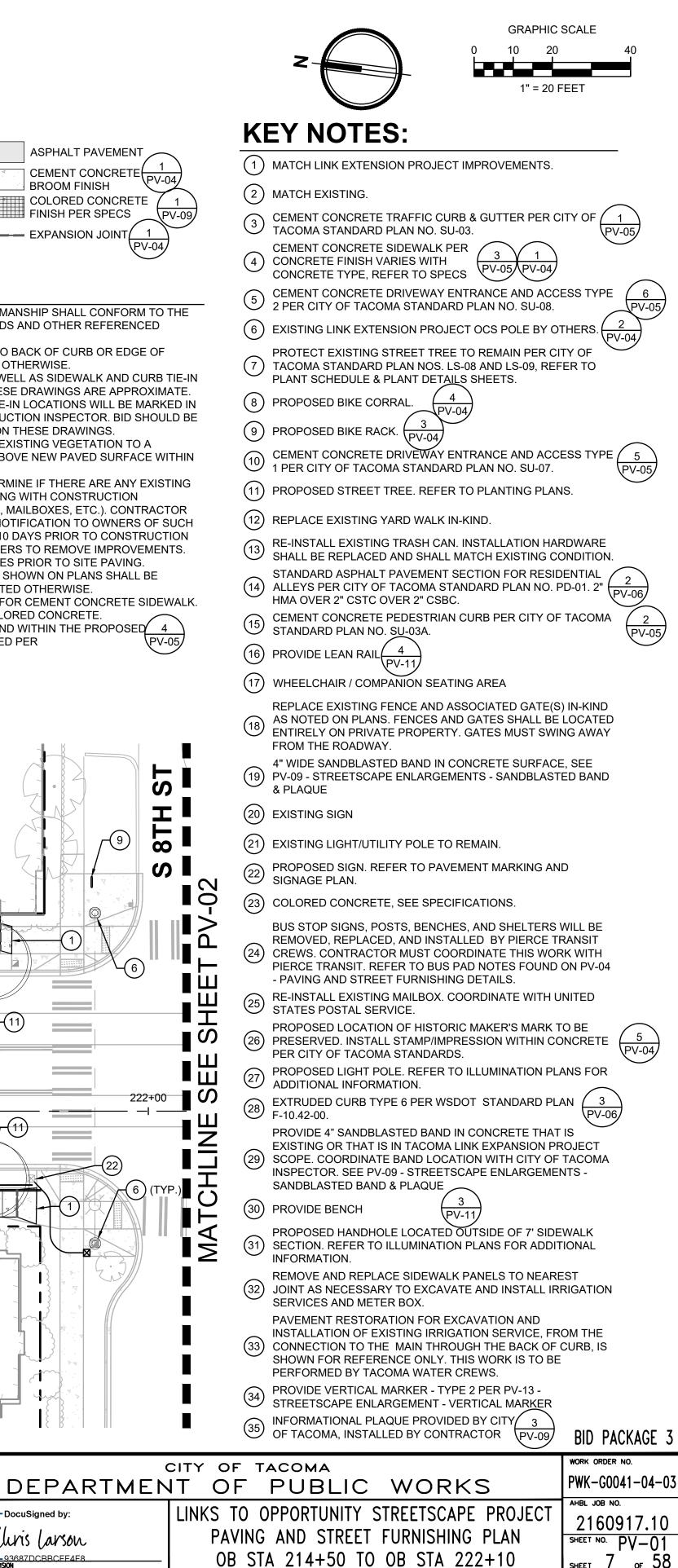
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KEY NOTES	•		

- (1) REMOVE EXISTING CONCRETE
- (2) REMOVE EXISTING ASPHALT
- (3) REMOVE EXISTING DRAIN THROUGH CURB
- (4) REMOVE EXISTING CURB
- (5) REMOVE EXISTING TREE PER CITY OF TACOMA REQUIREMENTS/PROTOCOLS
- 6 PROTECT EXISTING ABOVE GROUND UTILITY, ADJUST TO MEET GRADE IF NECESSARY
- 7 REMOVE EXISTING STREETSCAPE FEATURE
- 8 REMOVE EXISTING TRASH RECEPTACLE AND RESET PER PAVING AND STREET FURNISHING PLAN
- 9 REMOVE EXISTING DRIVEWAY, REFER TO PAVING AND STREET FURNISHING PLANS
- EXISTING BUS SHELTER AND BENCH TO BE REMOVED AND REINSTALLED BY 10 PIERCE TRANSIT CREWS. CONTRACTOR MUST COORDINATE WORK WITH
- PIERCE TRANSIT. (1) PROTECT EXISTING CURB RAMP INSTALLED AS PART OF THE SOUND TRANSIT TACOMA LINK EXTENSION PROJECT
- REMOVE EXISTING FENCE. IF EXISTING FENCE IS RESIDENTIAL OR USED FOR FALL PROTECTION, CONTRACTOR MUST PROVIDE TEMPORARY ullet CONSTRUCTION FENCE THAT MEETS OR EXCEEDS HEIGHT AND STURDINESS
- OF EXISTING FENCE UNTIL PROPOSED FENCE IS INSTALLED. REMOVE EXISTING PLANTER AND COORDINATE FINAL LOCATION WITH THE 13 REMOVE EAISTING CITY OF TACOMA
- (14) PROTECT EXISTING CURB IN PLACE
- (15) PROTECT EXISTING STREET LIGHT / UTILITY POLE IN PLACE
- 16 EXISTING BUS STOP SIGN AND POST TO BE REMOVED AND REINSTALLED BY PIERCE TRANSIT CREWS
- (17) REMOVE EXISTING HEDGE/PLANTING
- 18 PROTECT EXISTING OCS POLE INSTALLED AS PART OF THE SOUND TRANSIT
- PROTECT EXISTING UTILITY STRUCTURE AND ADJUST RIM TO MATCH
 FINISHED GRADE. REFER TO UTILITY PLANS FOR ADJUST REQUIREMENTS
 REMOVE EXISTING USPS DROP BOX AND RESET PER PAVING AND STREET
 FURNISHING PLAN
- DISCONNECT, REMOVE, AND SALVAGE EXISTING LIGHT TO THE CITY OF (21) TACOMA. REMOVE FOUNDATION OR BREAK DOWN 2' BELOW FINISH GRADE. REMOVE AND RESET EXISTING SIGNS AS SHOWN ON THE PAVEMENT MARKING AND SIGNAGE PLANS.
- (22) REMOVE EXISTING HILLTOP COMMUNITY BANNER AND PROVIDE TO CITY OF TACOMA
- (23) PROTECT EXISTING WALL AND HANDRAIL IN RIGHT-OF-WAY
- (24) PROTECT EXISTING PEDESTRIAN PUSH BUTTON TO REMAIN.
- 25 REMOVE EXISTING NORTH TACOMA WATERSHED SIGN AND RESET PER PAVEMENT MARKING AND SIGNAGE PLAN
- 26 REMOVE EXISTING "SPEED LIMIT 25" SIGN AND RESET PER PAVEMENT MARKING AND SIGNAGE PLAN
- (27) PROTECT EXISTING TREE PER CITY OF TACOMA STD. PLAN LS-01 AND LS-02
- (28) PROTECT EXISTING STAIRS AND HANDRAIL IN RIGHT-OF-WAY
- (29) REMOVE EXISTING "NO PARKING LOADING ZONE" SIGN AND RESET PER PAVEMENT MARKING AND SIGNAGE PLAN
- (30) PROTECT EXISTING SIGNAGE
- (31) PROTECT EXISTING HEDGE/PLANTING
- (32) PROTECT EXISTING FENCE
- (33) REMOVE EXISTING PLANTER BLOCKS
- (34) PROTECT EXISTING CANOPY AND POSTS IN RIGHT-OF-WAY
- EXISTING HISTORIC MAKER'S MARK TO BE PRESERVED PER CITY OF/ (35) TACOMA STANDARDS. REFER TO PAVING AND STREET FURNISHING $\frac{3}{(PV-04)}$ PLANS FOR PROPOSED LOCATION.
- REMOVE AND REPLACE EXISTING SIDEWALK PANELS TO THE NEAREST (36) JOINT AS NECESSARY TO EXCAVATE AND INSTALL PROPOSED IRRIGATION SERVICE LINE DOWNSTREAM OF PROPOSED METER. BID PACKAGE 3

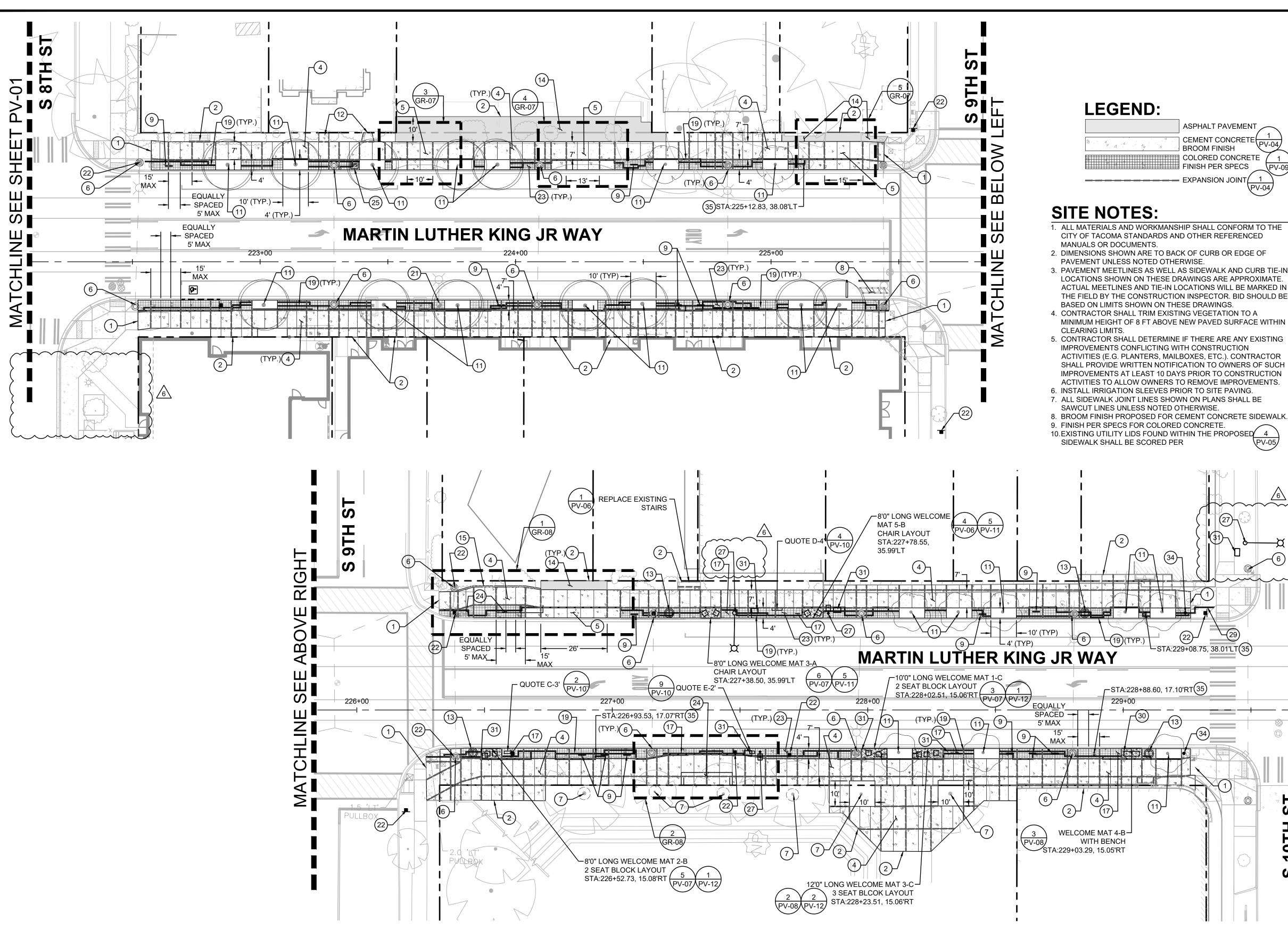
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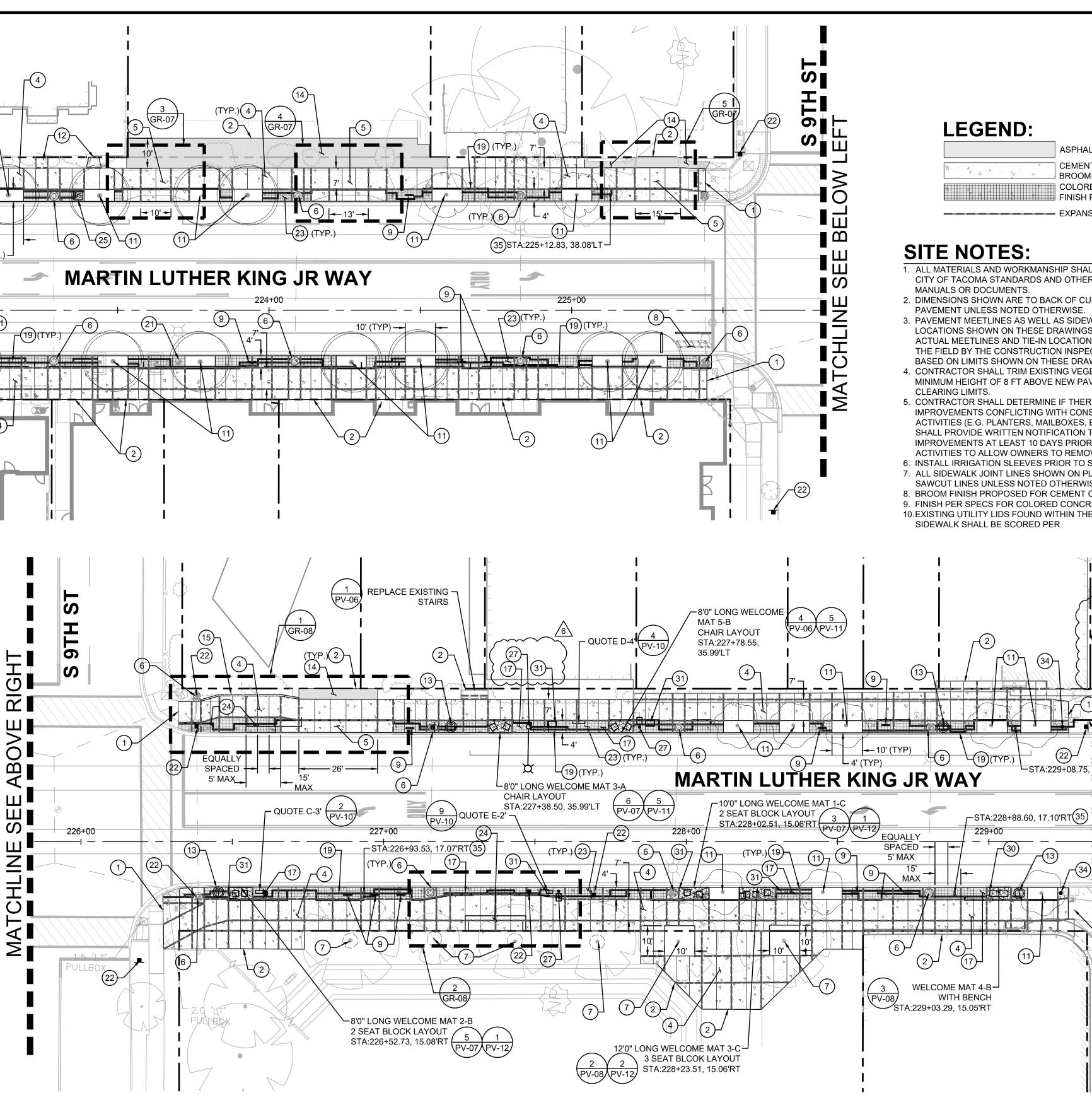




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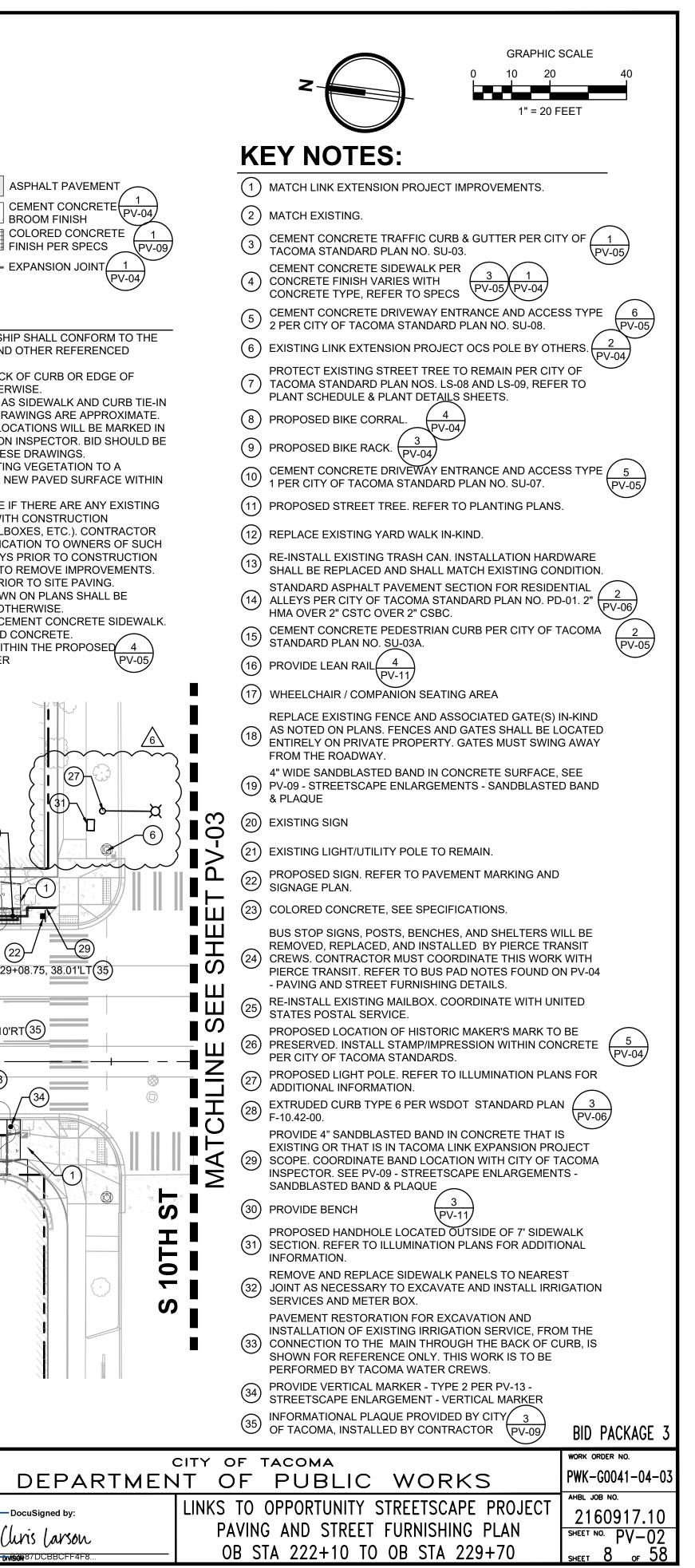
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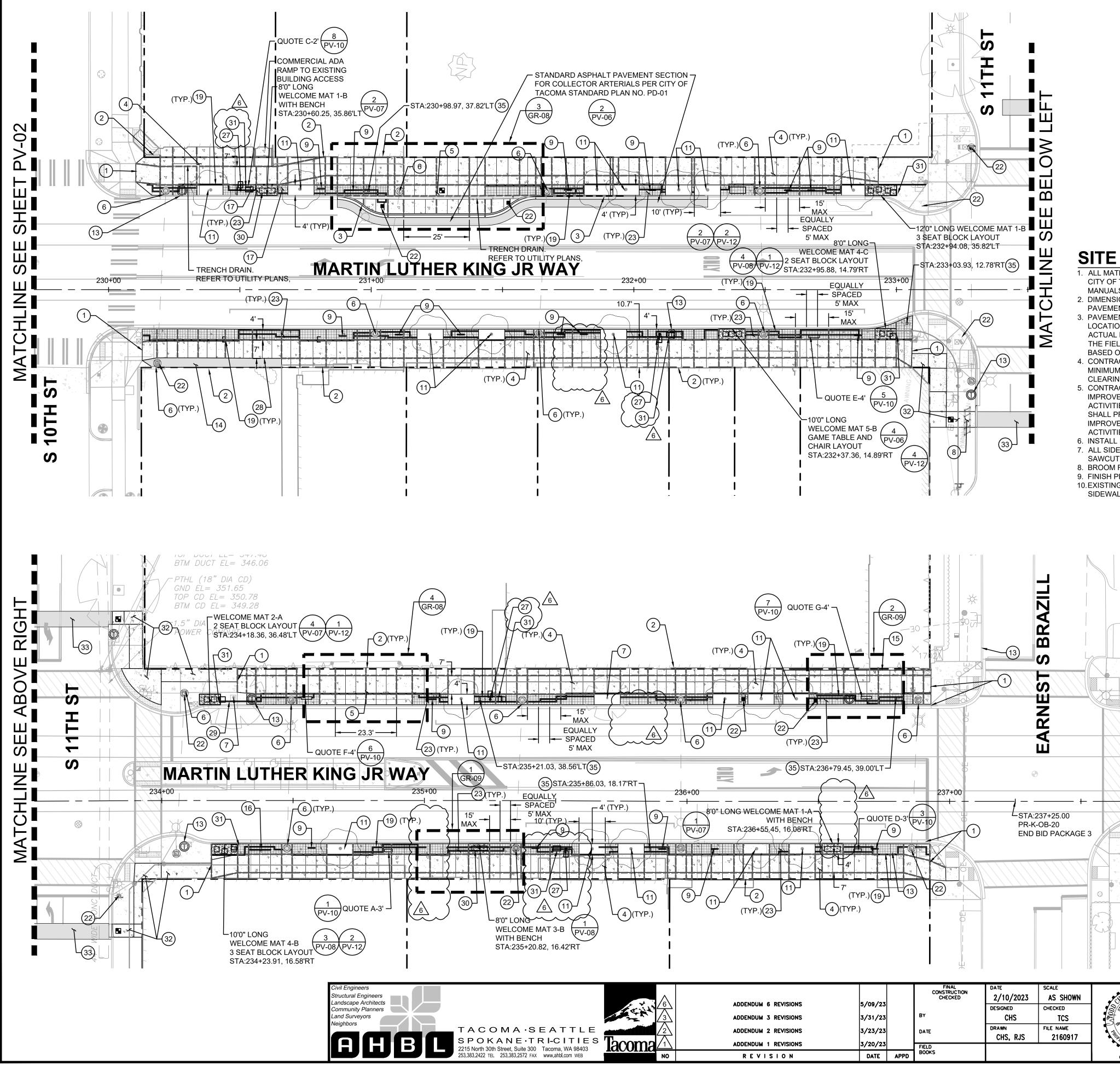


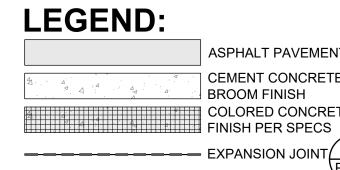


tructural Engineers andscape Architects ommunity Planners and Surveyors TACOMA·SEATTLE SPOKANE · TRI-CITIES 2215 North 30th Street, Suite 300 Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

	6	ADDENDUM 6 REVISIONS	5/09/23		FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	CHRISTOPHER OF WASHING OF	DEF
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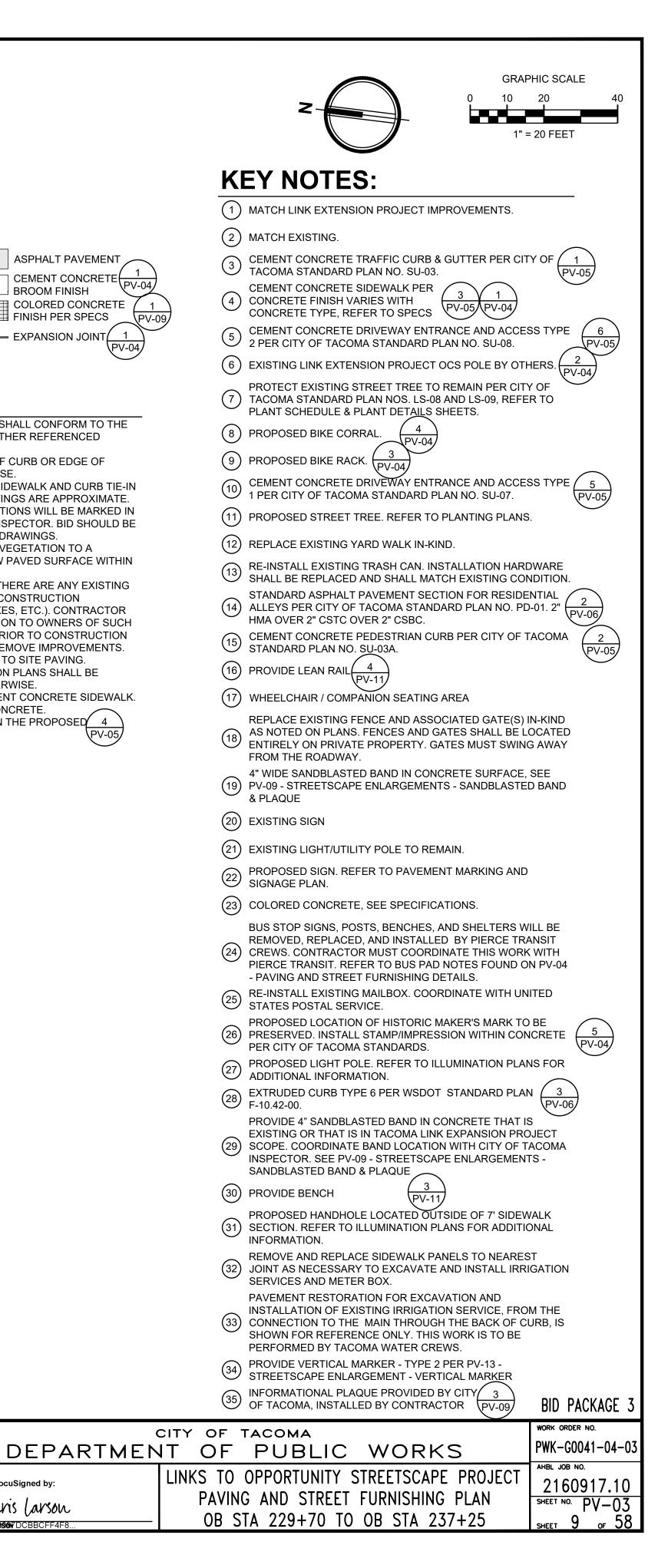




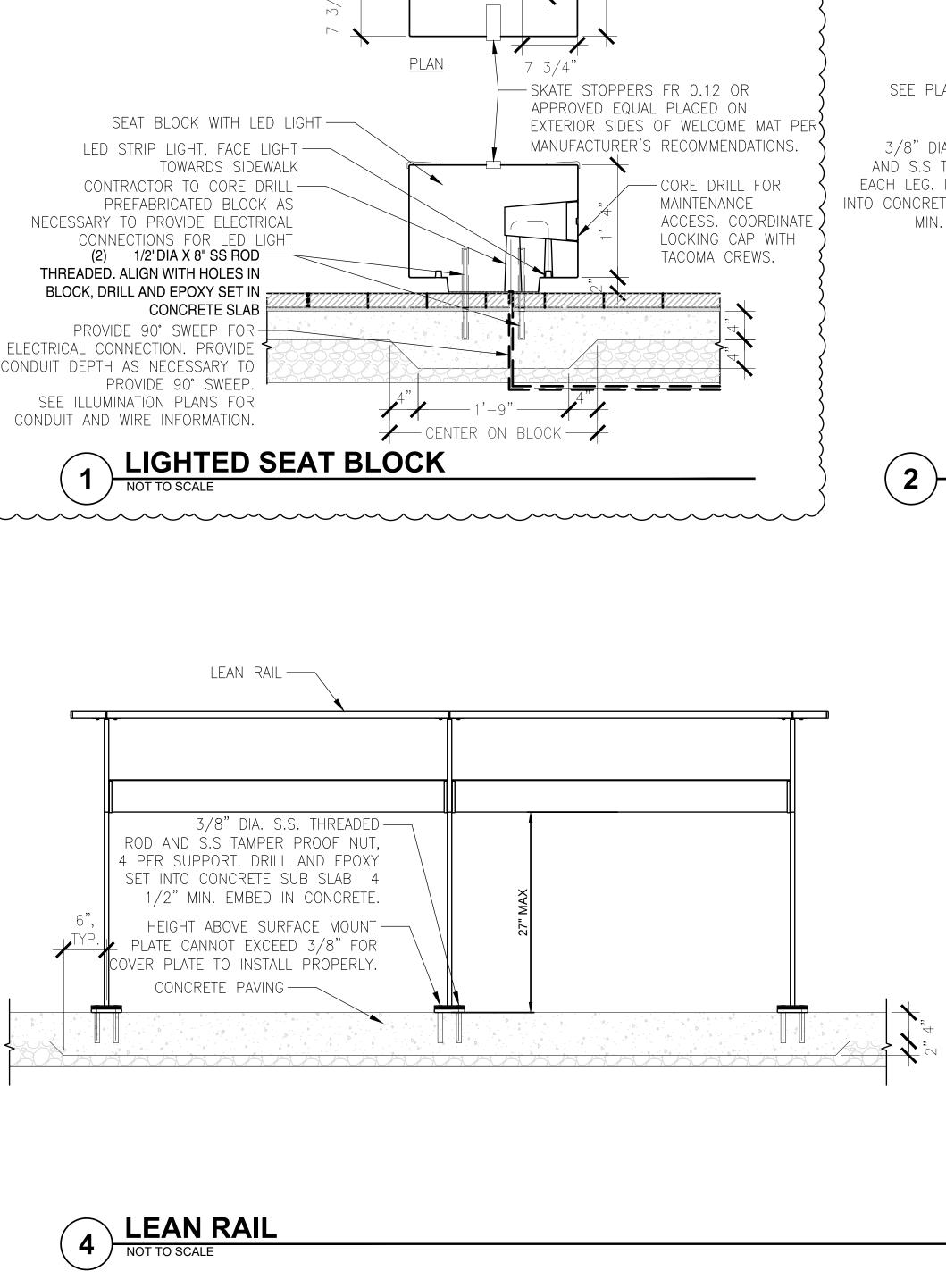
SITE NOTES:

- . ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF TACOMA STANDARDS AND OTHER REFERENCED MANUALS OR DOCUMENTS.
- 2. DIMENSIONS SHOWN ARE TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE
- 3. PAVEMENT MEETLINES AS WELL AS SIDEWALK AND CURB TIE-IN LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ACTUAL MEETLINES AND TIE-IN LOCATIONS WILL BE MARKED IN THE FIELD BY THE CONSTRUCTION INSPECTOR. BID SHOULD BE BASED ON LIMITS SHOWN ON THESE DRAWINGS.
- 4. CONTRACTOR SHALL TRIM EXISTING VEGETATION TO A MINIMUM HEIGHT OF 8 FT ABOVE NEW PAVED SURFACE WITHIN CLEARING LIMITS.
- 5. CONTRACTOR SHALL DETERMINE IF THERE ARE ANY EXISTING IMPROVEMENTS CONFLICTING WITH CONSTRUCTION ACTIVITIES (E.G. PLANTERS, MAILBOXES, ETC.). CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO OWNERS OF SUCH IMPROVEMENTS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION ACTIVITIES TO ALLOW OWNERS TO REMOVE IMPROVEMENTS.
- 6. INSTALL IRRIGATION SLEEVES PRIOR TO SITE PAVING. 7. ALL SIDEWALK JOINT LINES SHOWN ON PLANS SHALL BE
- SAWCUT LINES UNLESS NOTED OTHERWISE. 8. BROOM FINISH PROPOSED FOR CEMENT CONCRETE SIDEWALK.
- 9. FINISH PER SPECS FOR COLORED CONCRETE.
- 10.EXISTING UTILITY LIDS FOUND WITHIN THE PROPOSED 4 SIDEWALK SHALL BE SCORED PER

	- CAL	6	ADDENDUM 6 REVISIONS	5/09/23		FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	CURUSTOPHER S CURUSTOPHER S Sure of Washing of	DEPAF
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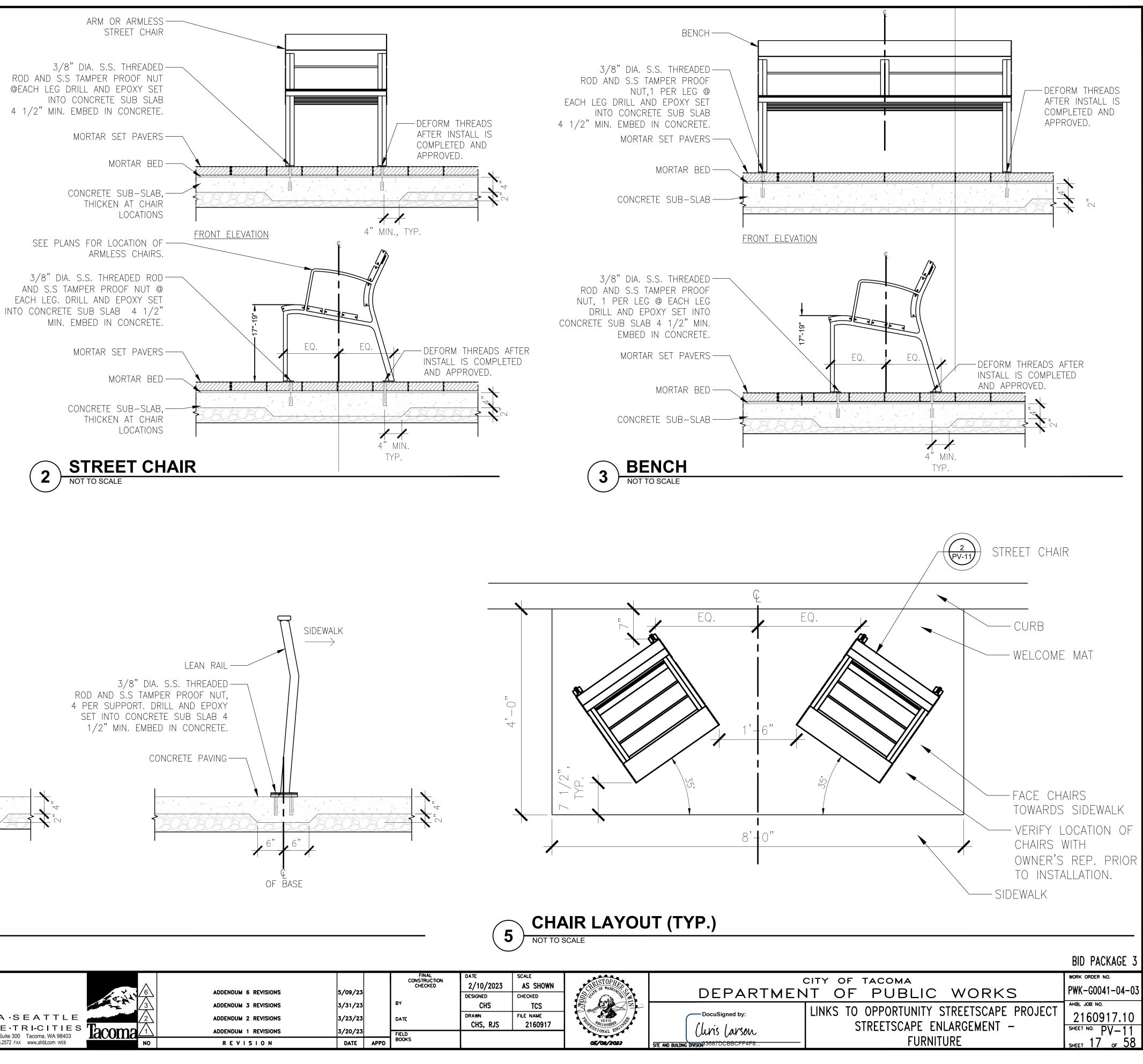


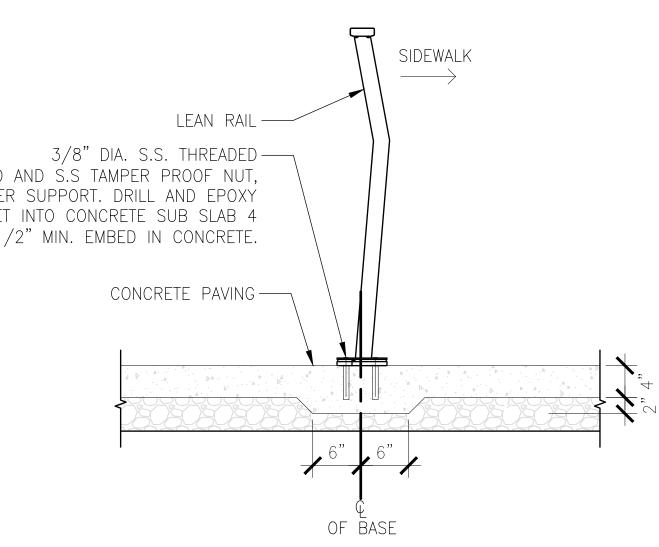


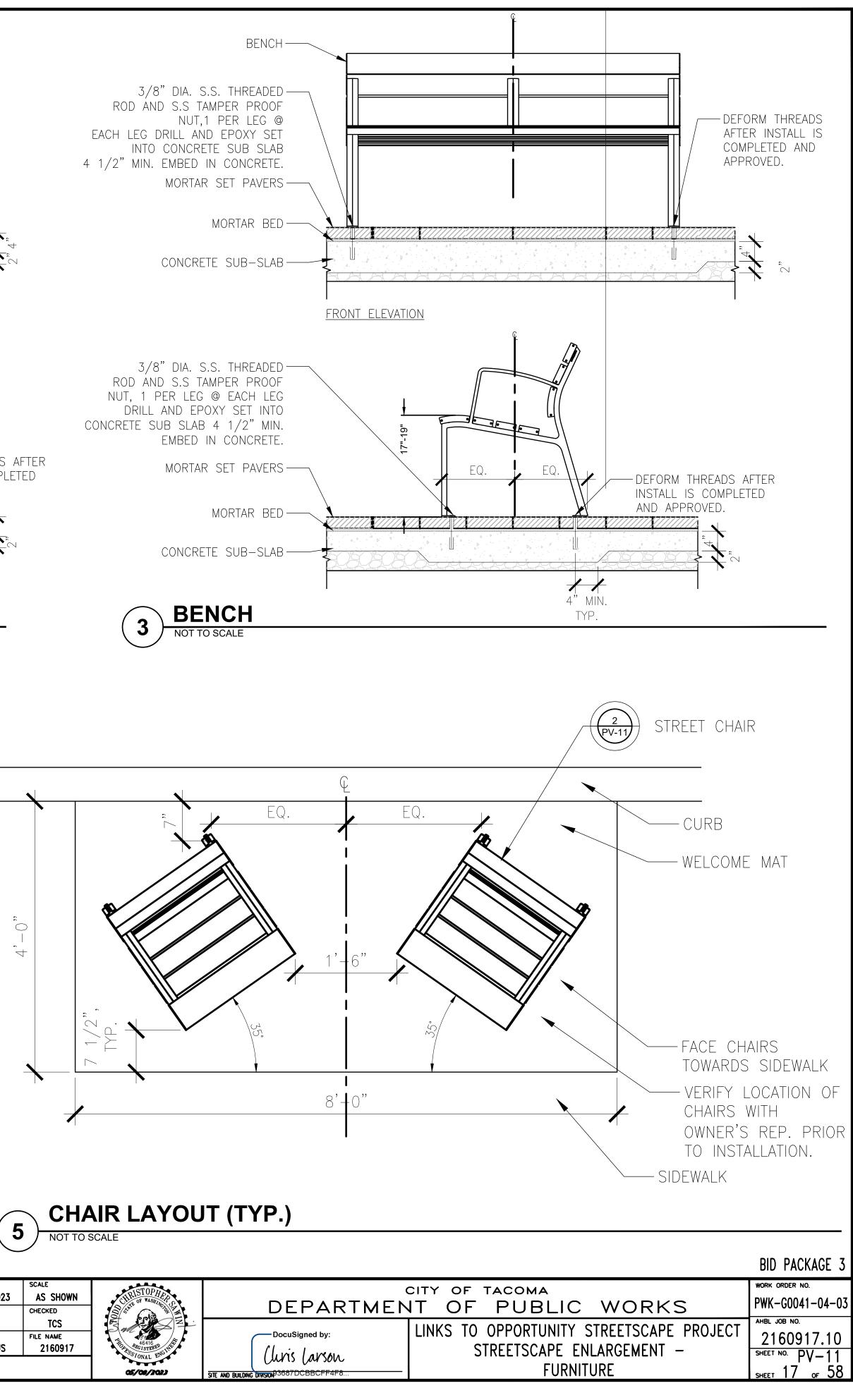
CONTRACTOR TO DRILL (2) HOLES

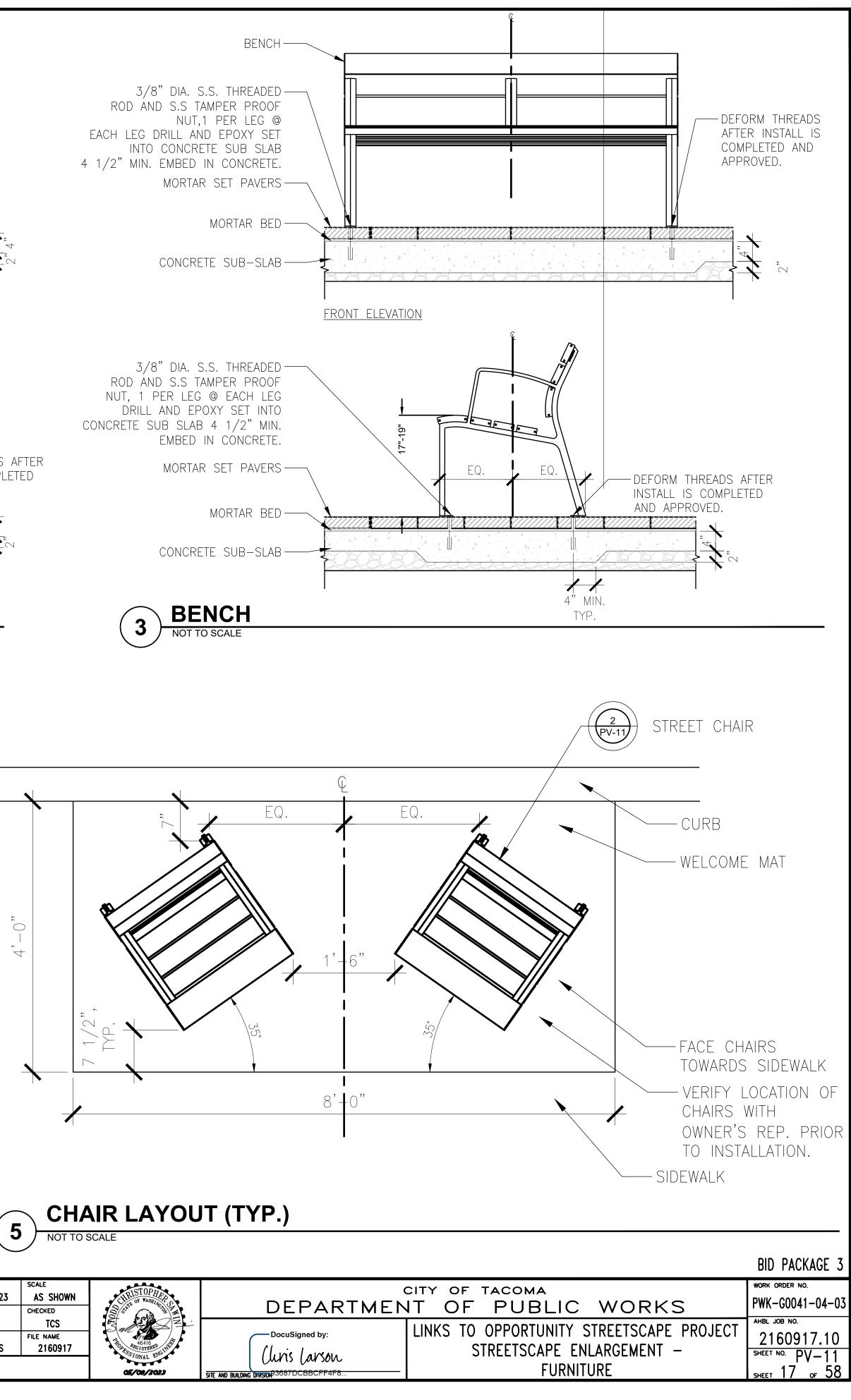
IN BLOCK FOR ANCHOR RODS

1'-11 1/2"

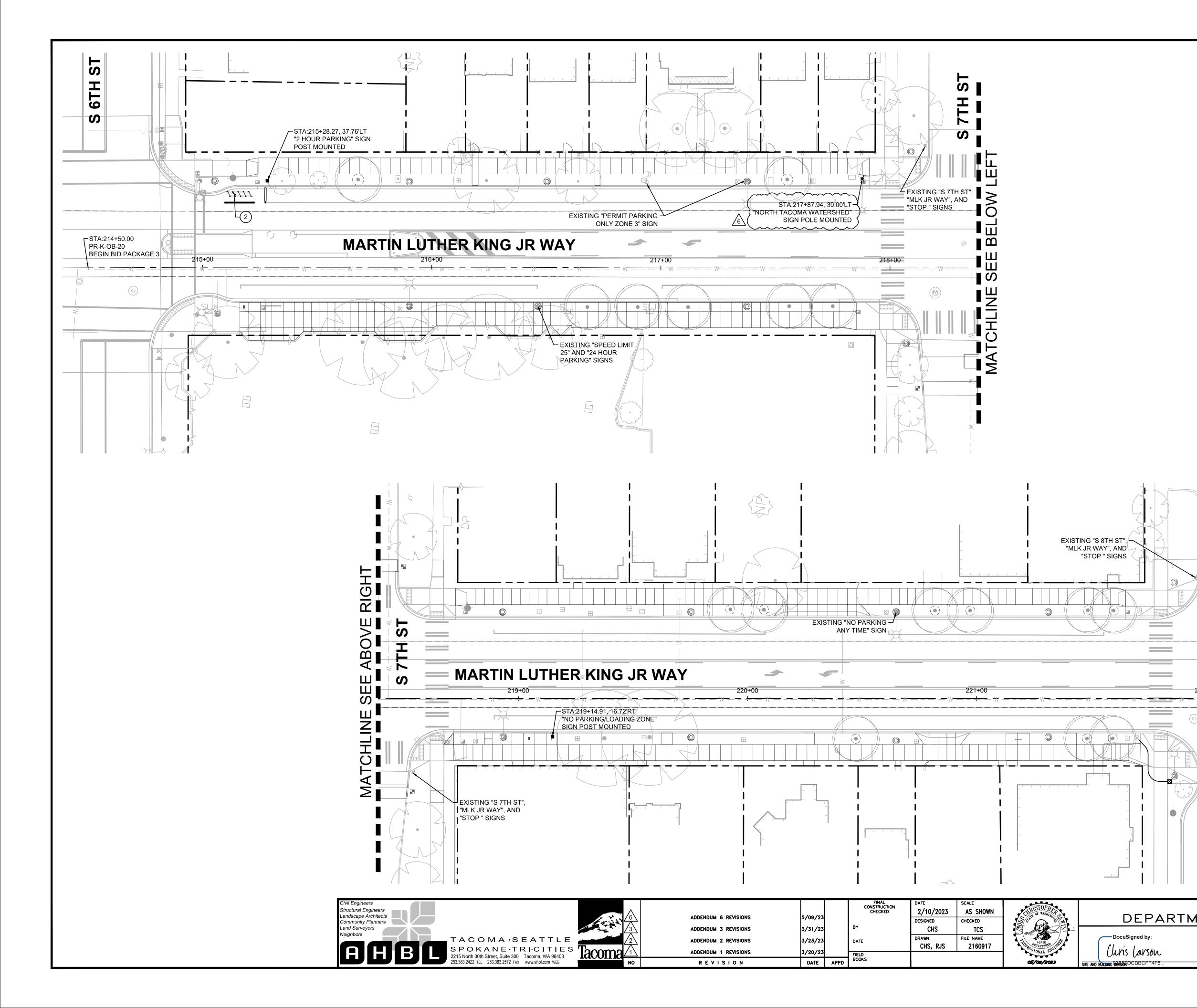


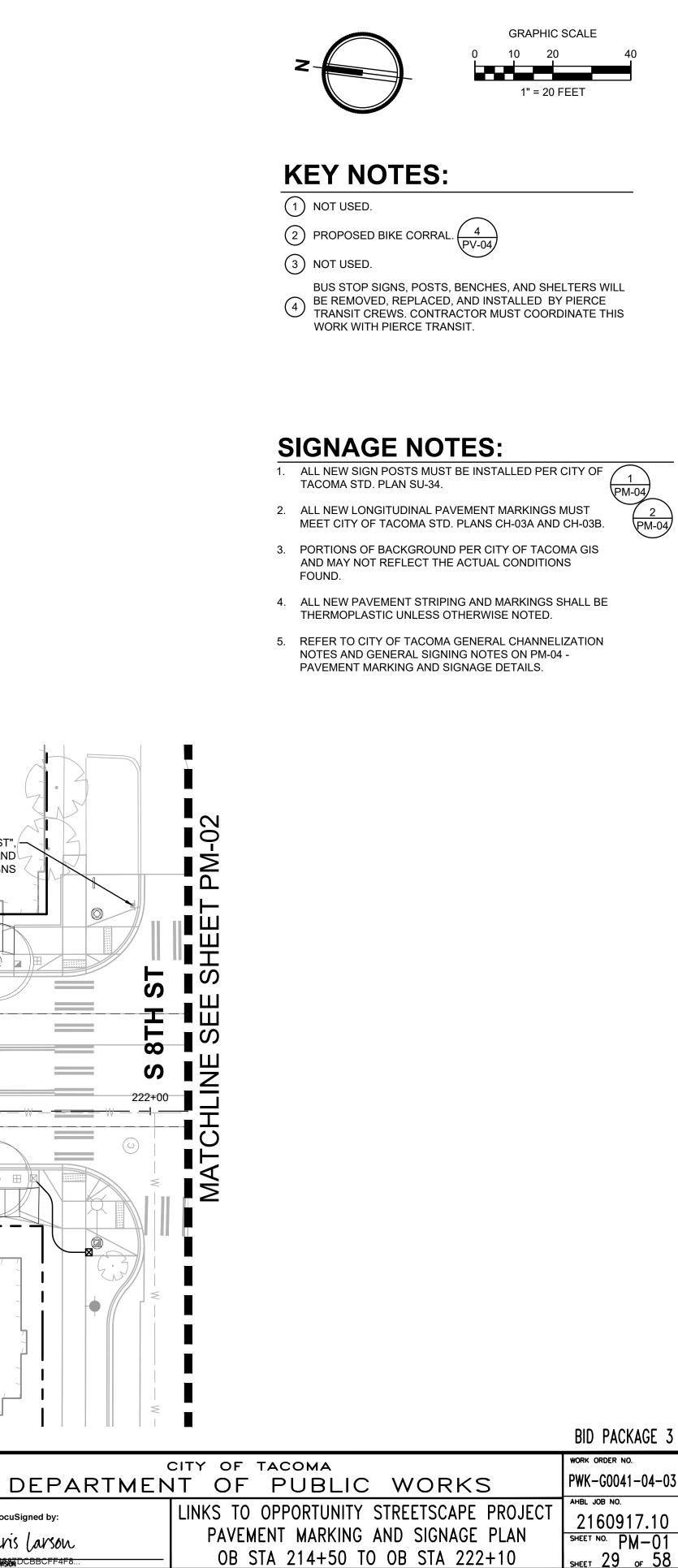


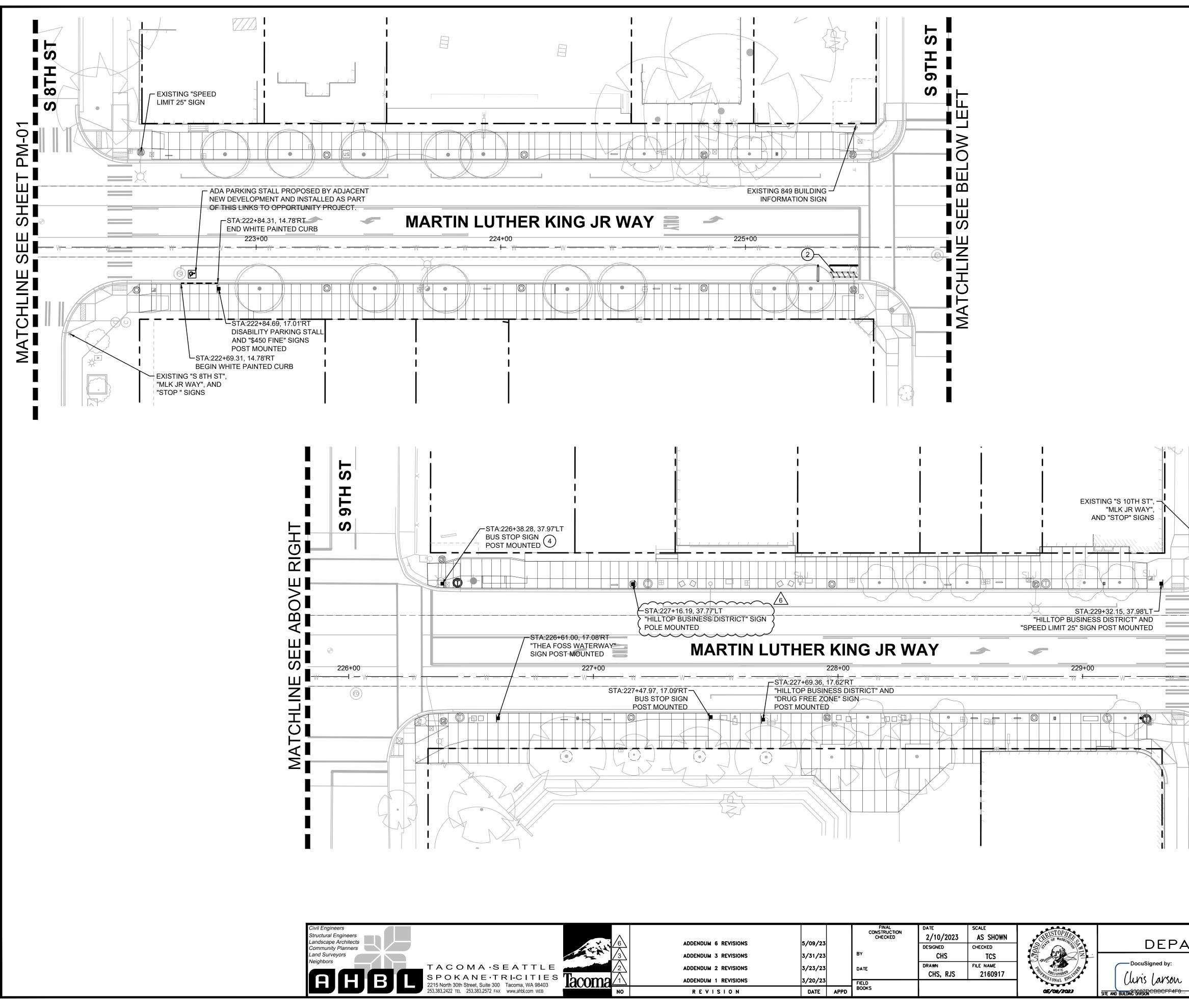




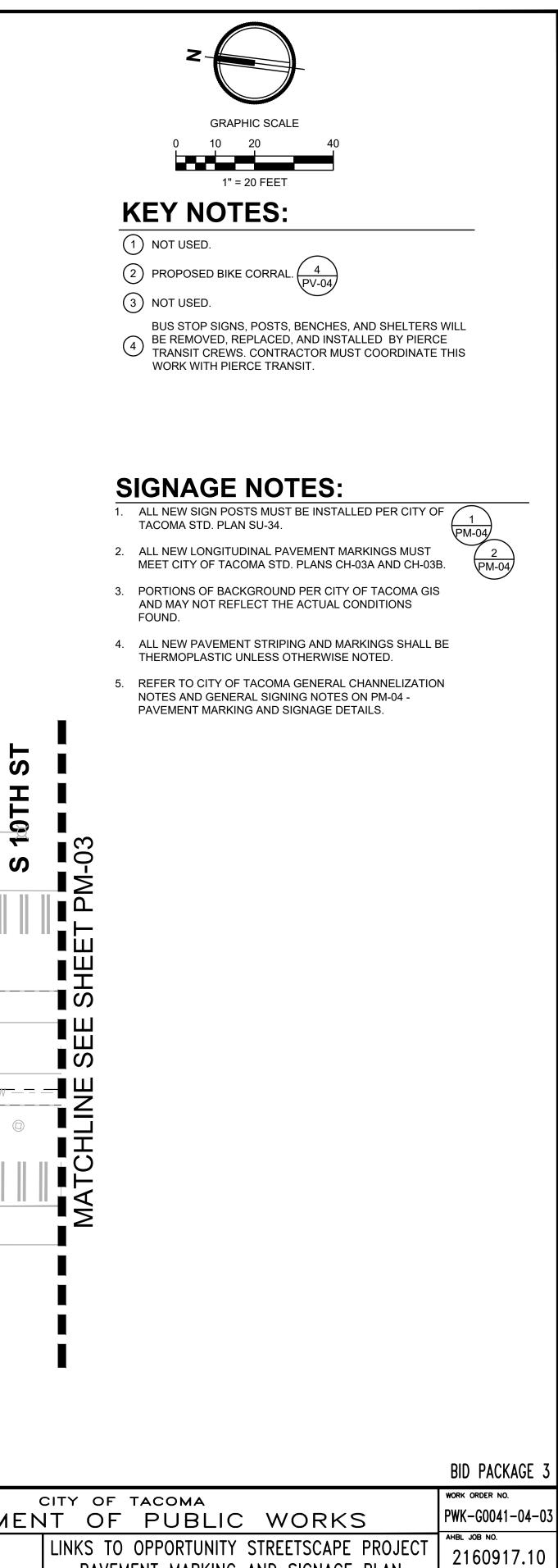
ADDENDUM 6 REVISIONS ADDENDUM 3 REVISIONS ADDENDUM 2 REVISIONS	5/09/23 3/31/23 3/23/23		FINAL CONSTRUCTION CHECKED BY DATE	DATE 2/10/2023 DESIGNED CHS DRAWN CHS, RJS	SCALE AS SHOWN CHECKED TCS FILE NAME 2160917	CURSTOPHER COMMUNICATION	
ADDENDUM 1 REVISIONS	3/20/23 DATE	APPD	FIELD BOOKS			05/00/2023	SITE AND BUILDING DIVISION ^{93687DCB}





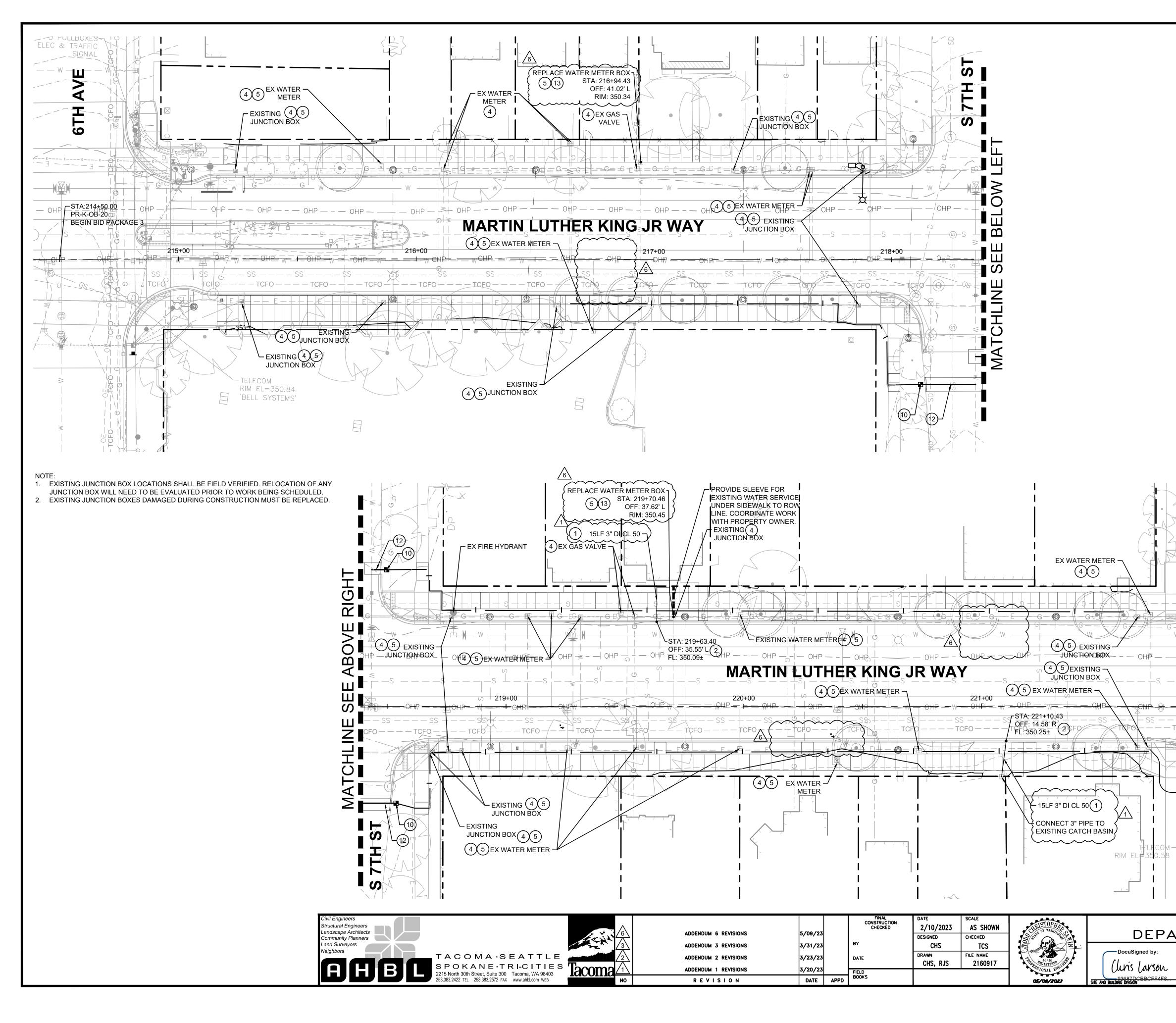


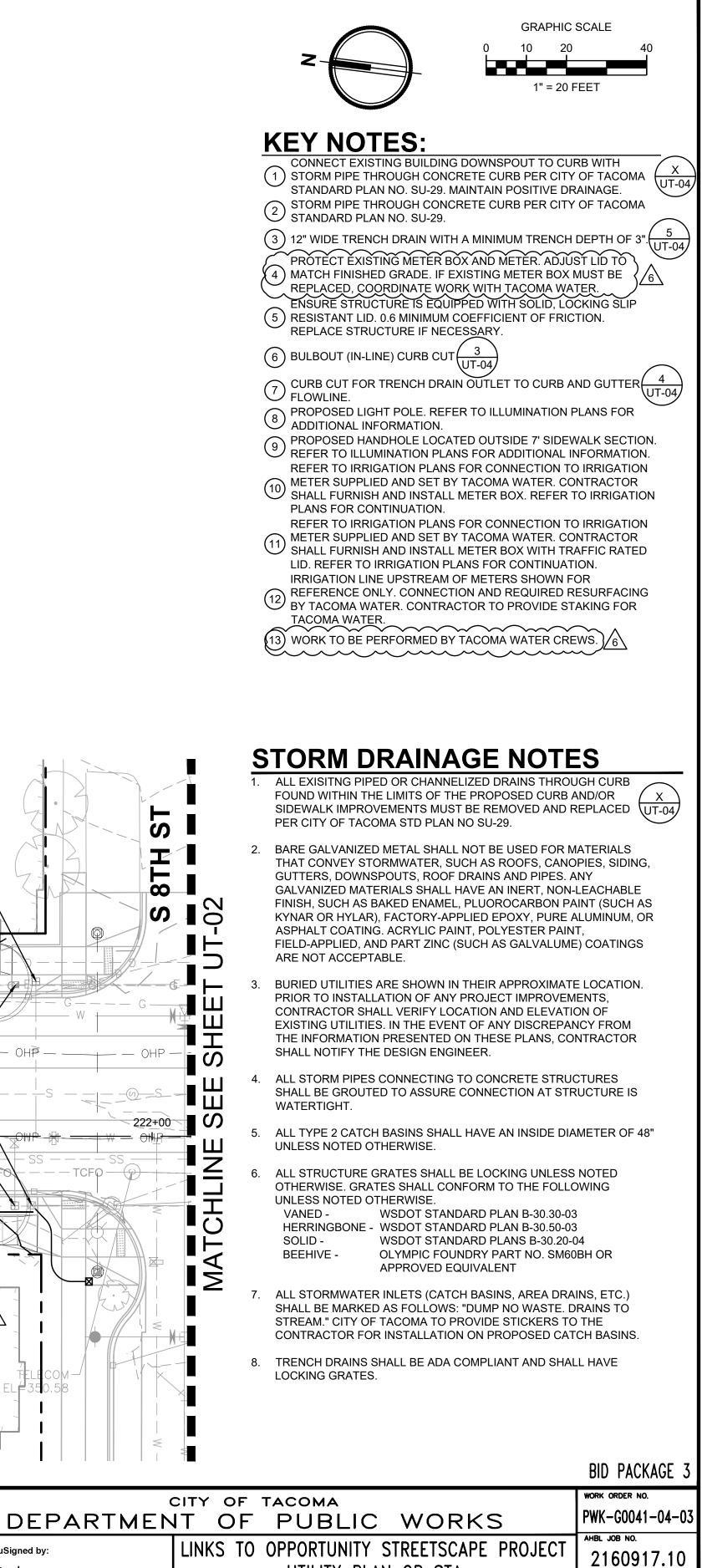
		5/09/23		FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	CURISTOPHICA CURISTOPHICA SUBJECT ASSOCIATION	DEF
	ADDENDUM 3 REVISIONS	3/31/23		BY	CHS	TCS	3 ml 2 -	DocuSigned by:
		3/23/23		DATE	DRAWN CHS, RJS	FILE NAME 2160917	THOM BEGISTERED SCINE	
' Tacoma 🗥	ADDENDUM 1 REVISIONS	3/20/23		FIELD		1	OSTONAL END	(linis Carsoi
NO	REVISION	DATE	APPD	BOOKS			05/08/2023	SITE AND BUILDING DIVISION



PARTMENT OF PUBLIC WORKS PAVEMENT MARKING AND SIGNAGE PLAN SHEET NO. PM-02 SHEET 30 OF 58 OB STA 222+10 TO OB STA 229+70

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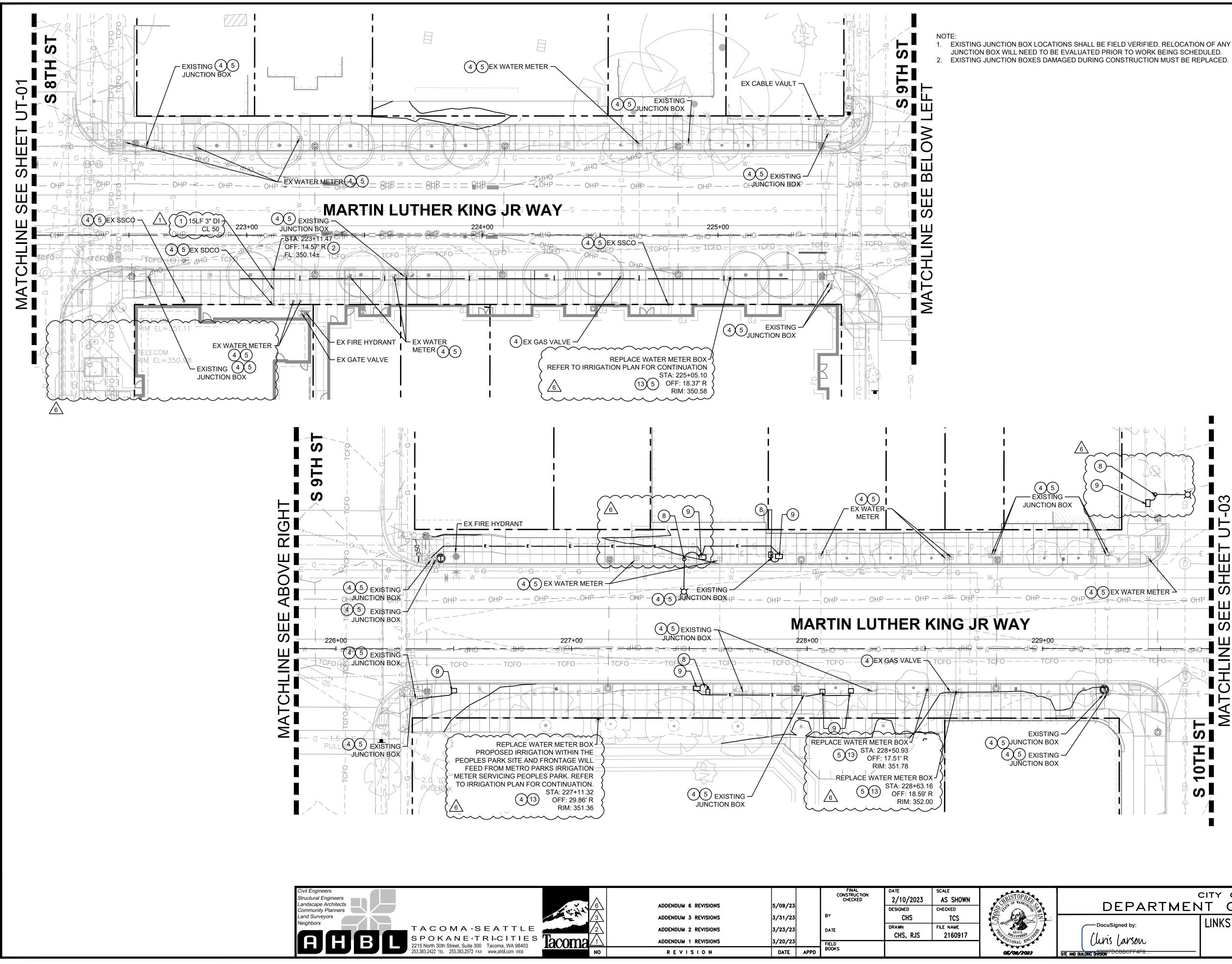




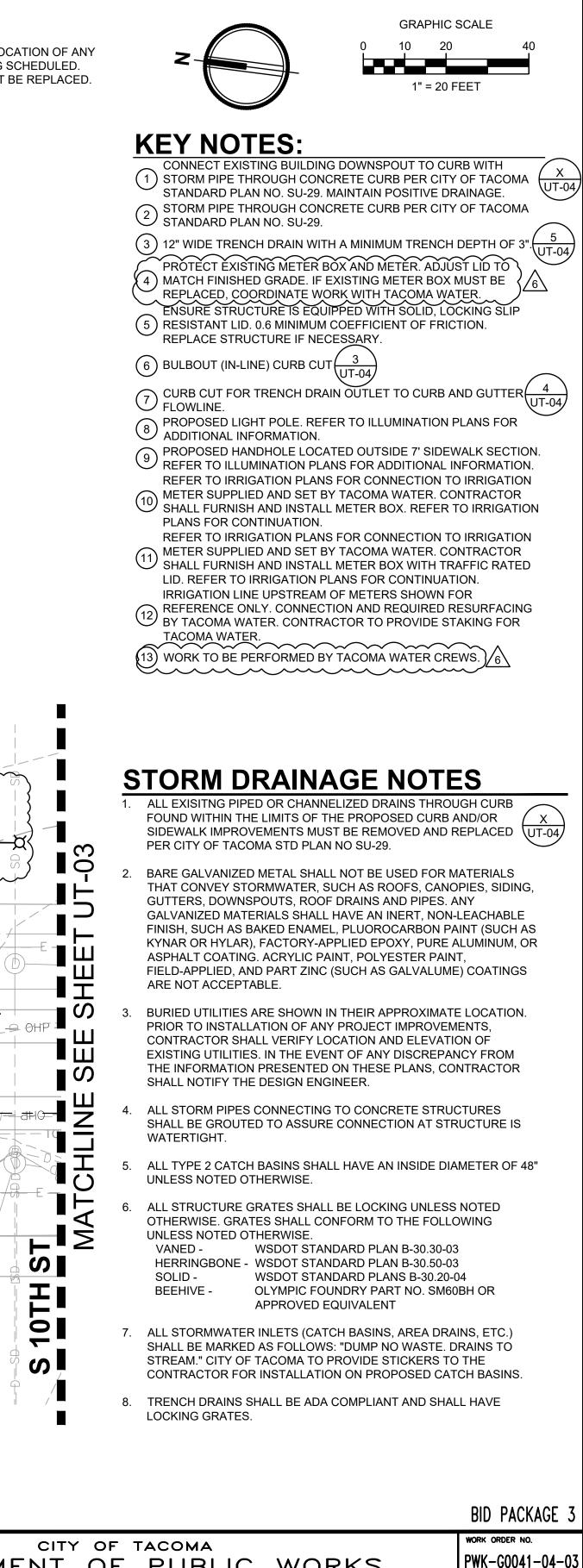
SHEET NO. UT-01

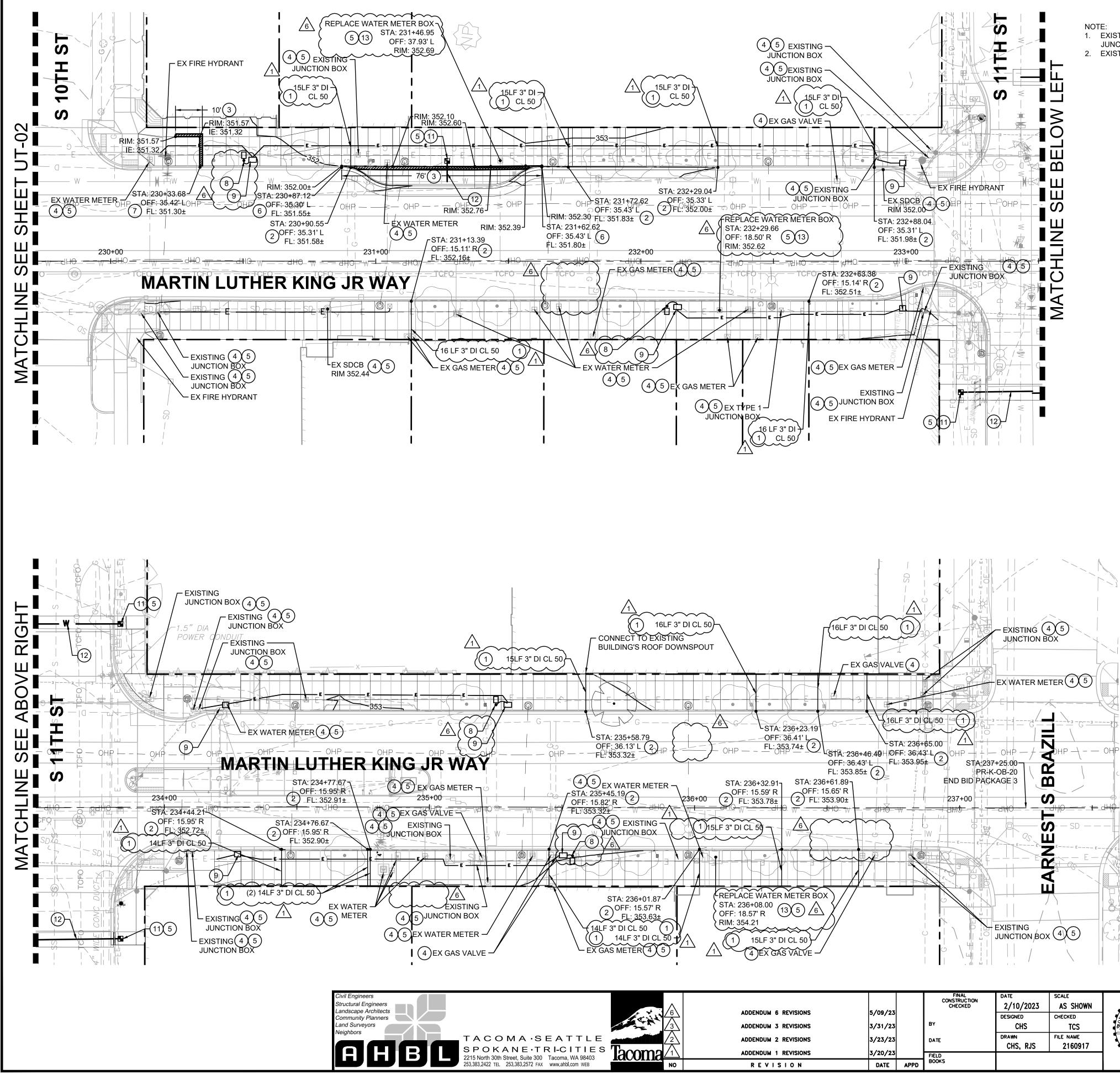
SHEET 33 OF 58

UTILITY PLAN OB STA 214+50 TO OB STA 222+10



						FINAL CONSTRUCTION	DATE	SCALE	OTOD		CITY OF TACOMA	WORK ORDER NO.
	A MARINA	6	ADDENDUM 6 REVISIONS	5/09/23		CONSTRUCTION CHECKED	2/10/2023	AS SHOWN	CHRISTOPHER OF WASHINGTOP	DEPARTMEN		PWK-G0041-04-03
		3	ADDENDUM 3 REVISIONS	3/31/23		BY	DESIGNED CHS	CHECKED TCS				AHBL JOB NO.
=		2	ADDENDUM 2 REVISIONS	3/23/23		DATE		FILE NAME	46416 45416	DocuSigned by:	LINKS TO OPPORTUNITY STREETSCAPE PROJECT	2160917.10
s Ta	coma∠	1	ADDENDUM 1 REVISIONS	3/20/23		FIELD BOOKS	CHS, RJS	2160917	SSIONAL ENGINE	Clivis Larson		SHEET NO. UT-02
		NO	REVISION	DATE	APPD	BOOKS				STE AND BUILDING DIVISION 7DCBBCFF4F8	222+10 TO OB STA 229+70	sheet 34 of 58

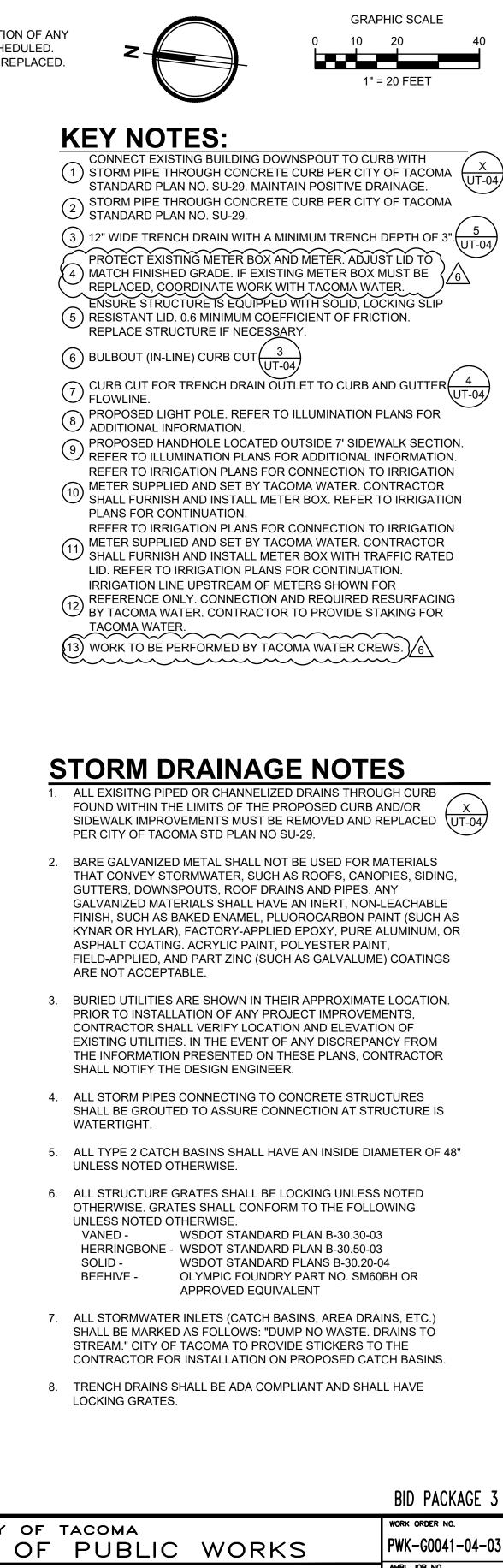




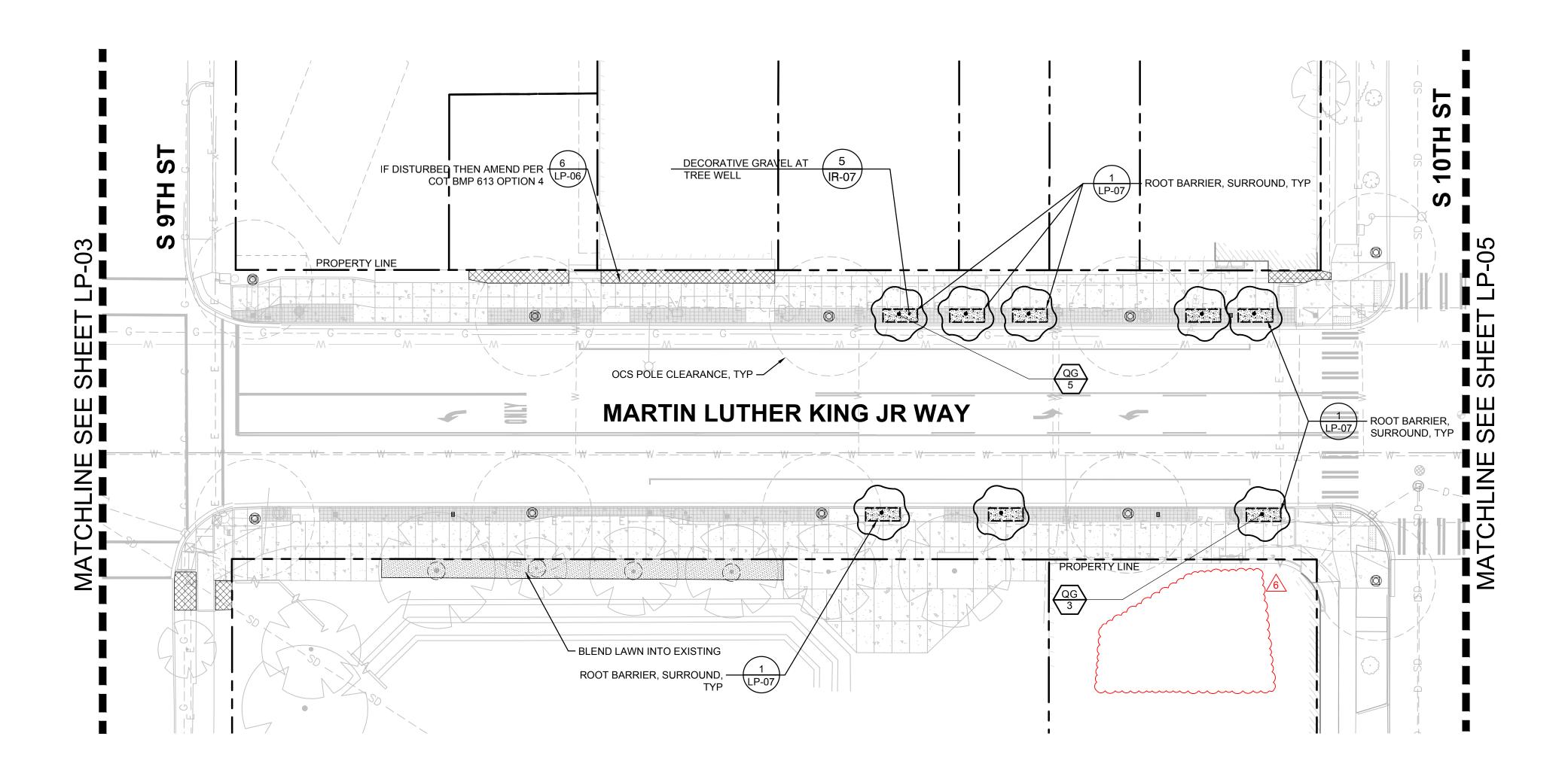
s i		ADDENDUM 3 REVISIONS ADDENDUM 2 REVISIONS ADDENDUM 1 REVISIONS	5/09/23 3/31/23 3/23/23 3/20/23		FINAL CONSTRUCTION CHECKED BY DATE FIELD BOOKS	DATE 2/10/2023 DESIGNED CHS DRAWN CHS, RJS	SCALE AS SHOWN CHECKED TCS FILE NAME 2160917	TROPHER DE LA CONTRACTOR DE LA CONTRACTO	DEF DocuSigne (luris La
	NO	REVISION	DATE	APPD				05/08/2023	SITE AND BUILDING DIVISION

JUNCTION BOX WILL NEED TO BE EVALUATED PRIOR TO WORK BEING SCHEDULED. EXISTING JUNCTION BOXES DAMAGED DURING CONSTRUCTION MUST BE REPLACED.

1. EXISTING JUNCTION BOX LOCATIONS SHALL BE FIELD VERIFIED. RELOCATION OF ANY

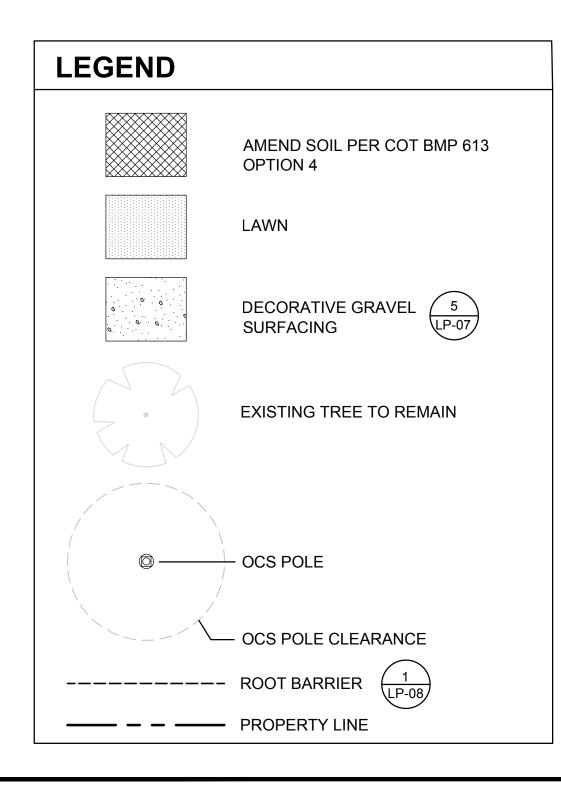


PARTMEN	IT OF PUBLIC WORKS	PWK-G0041-04-03
ned by: AVSON BBCFF4F8	LINKS TO OPPORTUNITY STREETSCAPE PROJECT UTILITY PLAN OB STA 229+70 TO OB STA 237+25	AHBL JOB NO. 2160917.10 SHEET NO. UT-03 SHEET 35 of 58



NOTES:

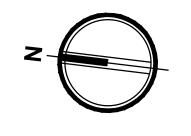
1. FOR PLANT SCHEDULE AND DETAILS SEE SHEET LP-07.





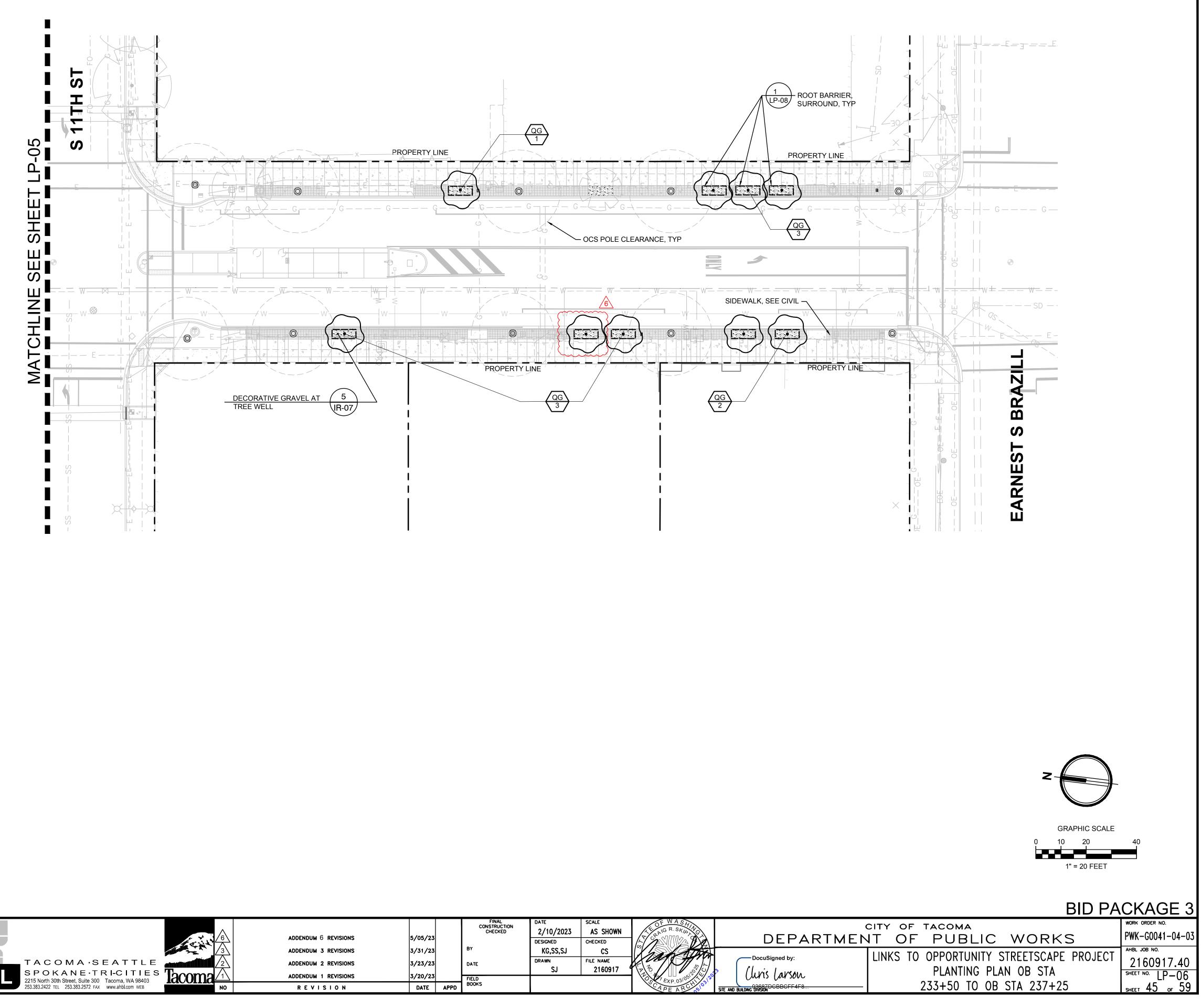
TACOMA·SEATTLE SPOKANE·TRI-CITIES 2215 North 30th Street, Suite 300 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

				FINAL CONSTRUCTION CHECKED	DATE	SCALE	OFWASH		CITY OF TACOMA	WORK ORDER NO.
	ADDENDUM 6 REVISIONS	5/05/23		CHECKED	2/10/2023	AS SHOWN	A GR.SKID			PWK-G0041-04-03
					DESIGNED	CHECKED		DEPARIMEN	I OF FUBLIC WORKS	
	ADDENDUM 3 REVISIONS	3/31/23		БТ	KG,SS,SJ	CS	1 And Ditto		LINKS TO OPPORTUNITY STREETSCAPE PROJECT	AHBL JOB NO.
	ADDENDUM 2 REVISIONS	3/23/23		DATE	DRAWN	FILE NAME		DocuSigned by:		2160917.40
[®] Tacoma	ADDENDUM 1 REVISIONS	3/20/23		5:5: 0	SJ	2160917		e (liris larson	PLANTING PLAN OB STA	SHEET NO. LP-04
		DATE		FIELD BOOKS			SC EXP.0310 HI 3		225+90 TO OB STA 229+75	17 50
NO	REVISION	DATE	AFPU				TPE AR	Site and Building Division 7 DCBBCF + 41 8	223130 10 0D 31A 223173	SHEET 4J OF JJ



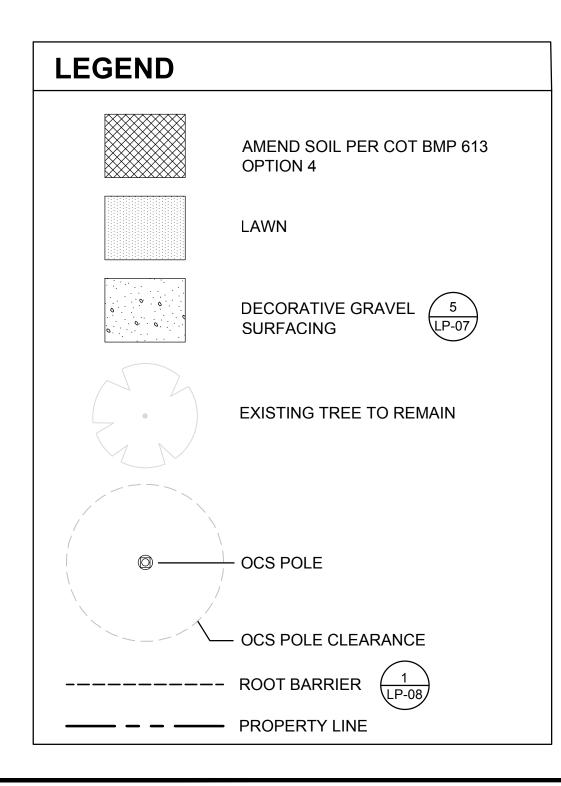
GRAPHIC SCALE 0 10 20 40 1" = 20 FEET

BID PACKAGE 3



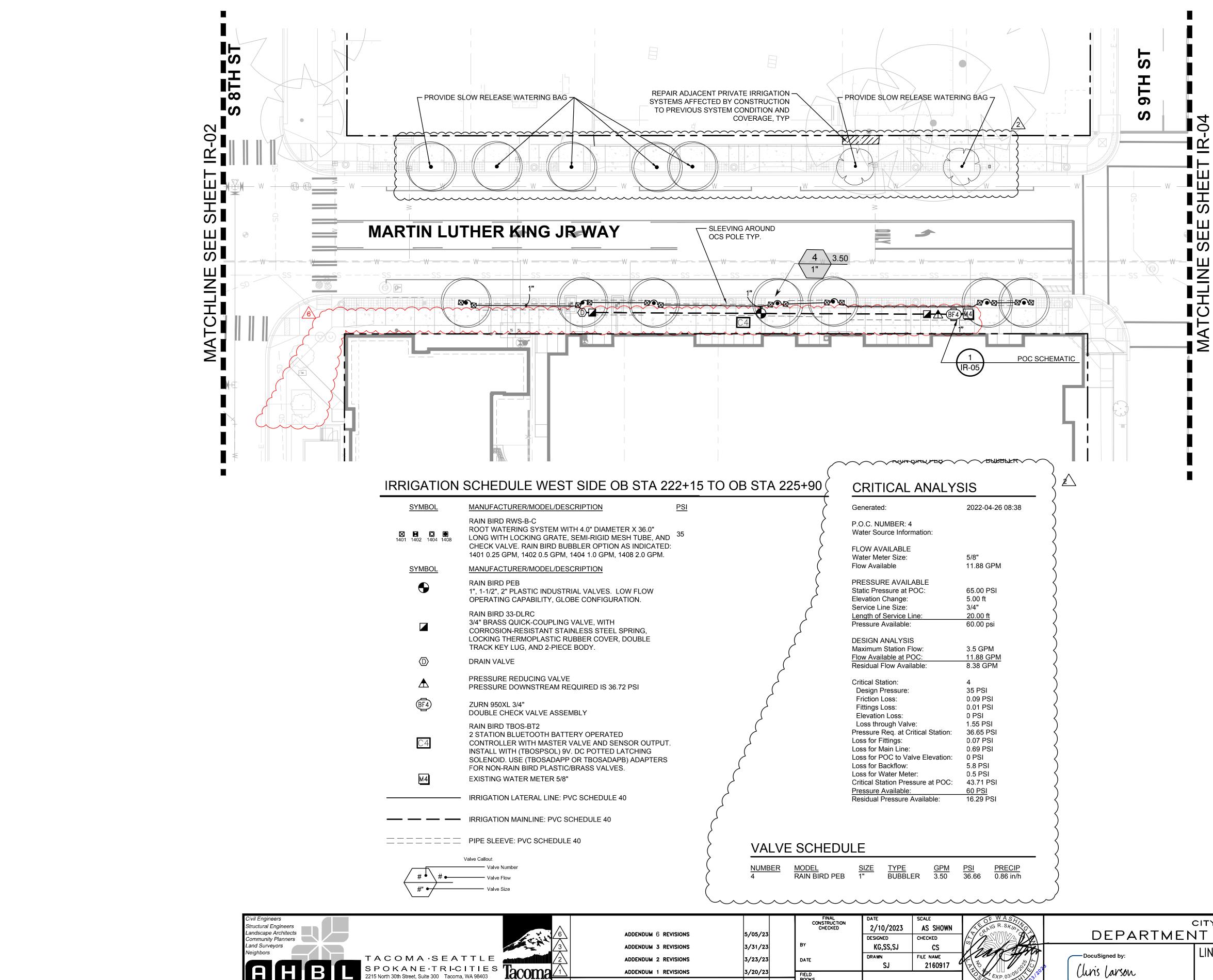
NOTES:

1. FOR PLANT SCHEDULE AND DETAILS SEE SHEET LP-07.





	ADDENDUM 6 REVISIONS	5/05/23		FINAL CONSTRUCTION CHECKED	DATE 2/10/2023 DESIGNED	SCALE AS SHOWN CHECKED	E C C C C C C C C C C C C C C C C C C C	DEP
	ADDENDUM 3 REVISIONS	3/31/23		BY	KG,SS,SJ	CS	X no Math	
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Theomo	ADDENDUM 1 REVISIONS	3/20/23			SJ	2160917		Cluris Larson
			4000	FIELD BOOKS			00 TEXP 03 03 H 03	
NO	REVISION	DATE	APPD				APE AB	SITE AND BUILDING DIVISION



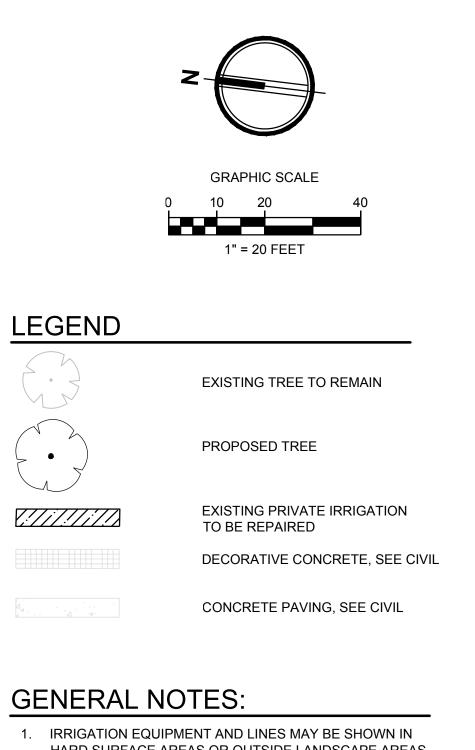
REVISION

NO

2215 North 30th Street, Suite 300 Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

FIELD BOOKS

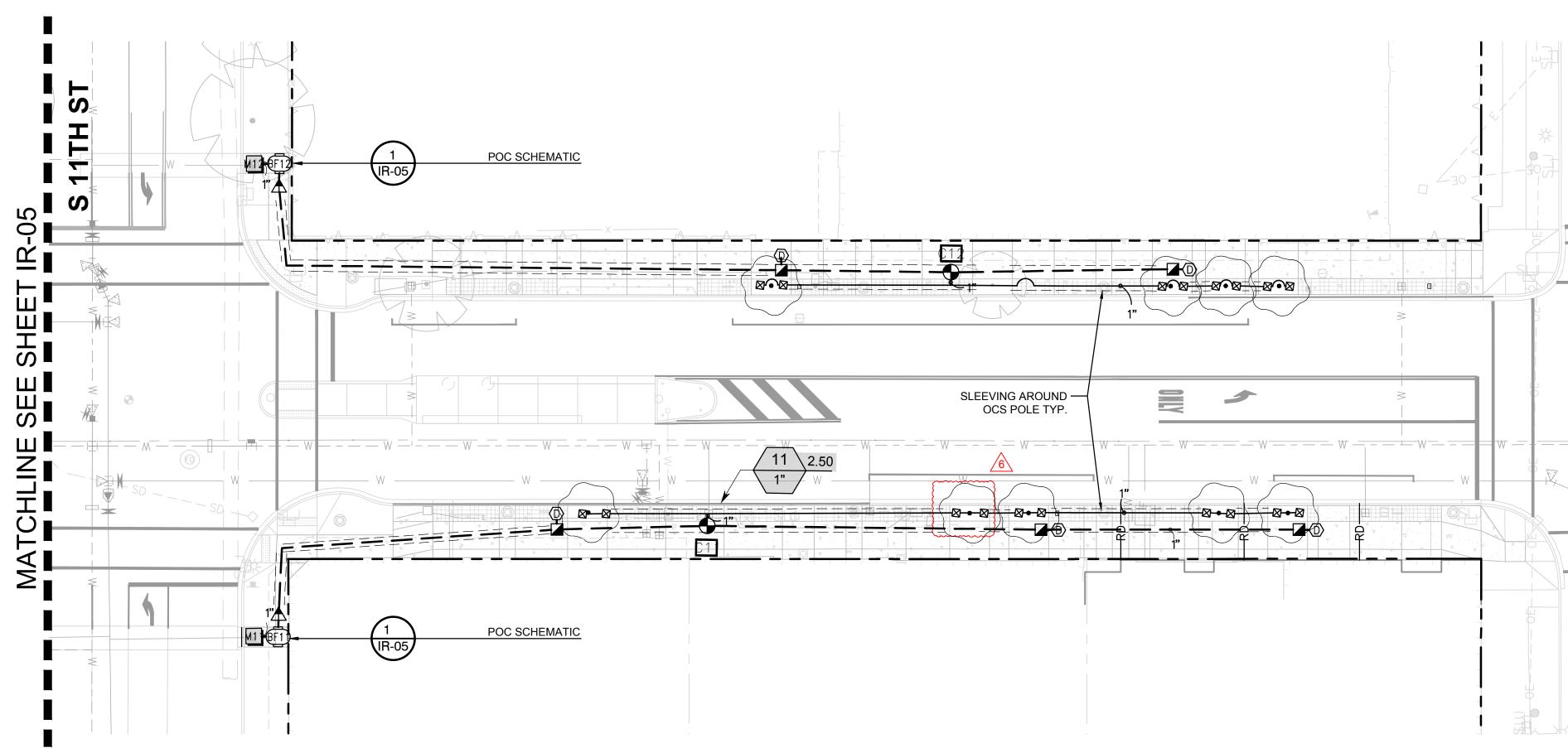
DATE APPD



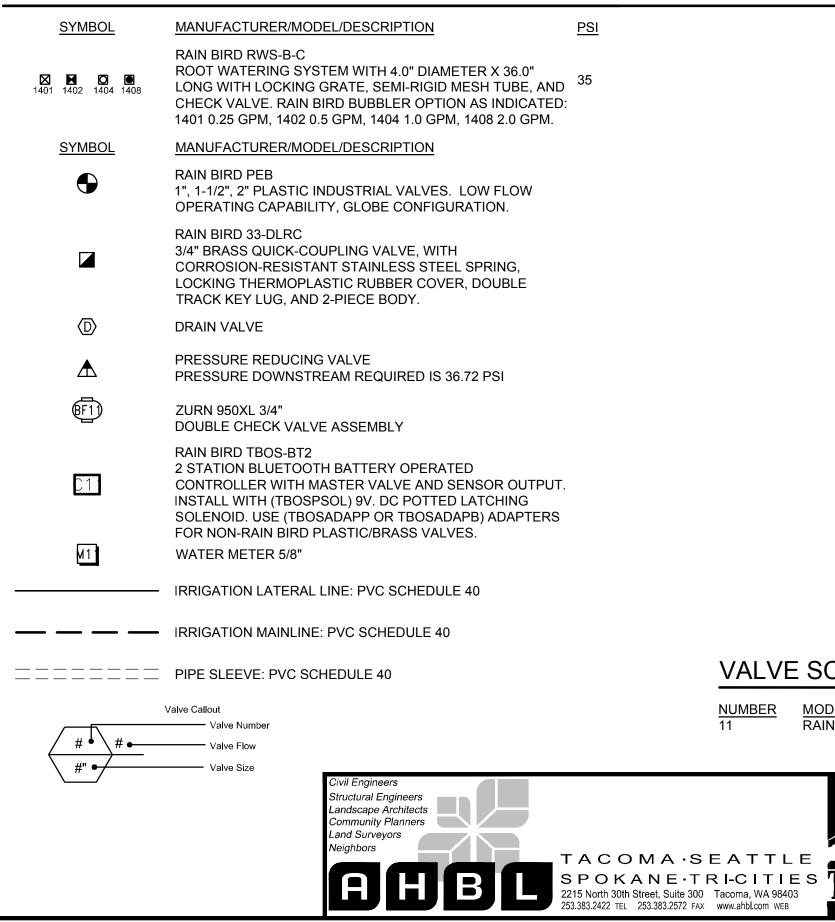
- HARD SURFACE AREAS OR OUTSIDE LANDSCAPE AREAS FOR GRAPHIC CLARITY. LOCATE ALL IRRIGATION LINES IN LANDSCAPE AREAS OR IN SLEEVES UNDER DECORATIVE PAVEMENT REMOVED AND REPLACED AS PART OF THIS PROJECT.
- 2. IRRIGATION METERS SUPPLIED AND SET BY TACOMA WATER. SEE CIVIL UTILITY PLANS FOR MORE INFORMATION.
- 3. ACCESS BY WATER TRUCK ASSUMES 50' MAXIMUM REACH BY HOSE.
- 4. SLOW RELEASE WATERING BAGS TO BE FILLED WEEKLY DURING DRY SEASON THROUGHOUT MAINTENANCE PERIOD.

BID PACKAGE 3

	CITY OF TACOMA	WK-G0041-04-03
DEPARTMEN		AHBL JOB NO.
DocuSigned by:	LINKS TO OPPORTUNITY STREETSCAPE PROJECT	2160917.40
SITE AND BUILDING DAUSDON 7DCBBCFF4F8	222+15 TO OB STA 225+90	^{sheet no.} IR—03 sheet 50 of 59



IRRIGATION SCHEDULE WEST SIDE OB STA 233+50 TO OB STA 237-



<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>PSI</u>
⊠ № © 1401 1402 1404 1408	RAIN BIRD RWS-B-C ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 36.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE, AND CHECK VALVE. RAIN BIRD BUBBLER OPTION AS INDICATED: 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2.0 GPM.	35
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	
\bullet	RAIN BIRD PEB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	
	RAIN BIRD 33-DLRC 3/4" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY.	
\bigcirc	DRAIN VALVE	
	PRESSURE REDUCING VALVE PRESSURE DOWNSTREAM REQUIRED IS 36.7 PSI	
6F12	ZURN 950XL 3/4" DOUBLE CHECK VALVE ASSEMBLY	
C12	RAIN BIRD TBOS-BT2 2 STATION BLUETOOTH BATTERY OPERATED CONTROLLER WITH MASTER VALVE AND SENSOR OUTPUT. INSTALL WITH (TBOSPSOL) 9V. DC POTTED LATCHING SOLENOID. USE (TBOSADAPP OR TBOSADAPB) ADAPTERS FOR NON-RAIN BIRD PLASTIC/BRASS VALVES.	
M12	WATER METER 5/8"	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	
	PIPE SLEEVE: PVC SCHEDULE 40	

<u>ATIC</u>							GRAPHIC SCALE $0 10 20 40$ $1" = 20 FEET$
		SLEEVING AL OCS POI	LE TYP.			LEGEND	EXISTING TREE TO REMAIN PROPOSED TREE EXISTING PRIVATE IRRIGATION TO BE REPAIRED DECORATIVE CONCRETE, SEE CIVIL CONCRETE PAVING, SEE CIVIL
ATIC						HARD SURFACE A FOR GRAPHIC CL LANDSCAPE AREA PAVEMENT REMO PROJECT. 2. IRRIGATION METE	IDTES: IPMENT AND LINES MAY BE SHOWN IN AREAS OR OUTSIDE LANDSCAPE AREAS ARITY. LOCATE ALL IRRIGATION LINES IN AS OR IN SLEEVES UNDER DECORATIVE OVED AND REPLACED AS PART OF THIS ERS SUPPLIED AND SET BY TACOMA IL UTILITY PLANS FOR MORE
37+25	CRITICAL ANALYSIS Generated: 2022-04-26		IRRIGATION SYMBOL	SCHEDULE EAST SIDE OB STA 23	3+50 TO OB STA 237	+25 CRITICAL ANALYS	SIS
	ContractionEDEL OF EXP.O.C. NUMBER: 11 Water Source Information:FLOW AVAILABLE Water Meter Size:Flow AvailablePRESSURE AVAILABLE Static Pressure at POC:Static Pressure at POC:Service Line Size:3/4" Length of Service Line:Length of Service Line:20.00 ftPressure Available:60.00 psiDESIGN ANALYSIS Maximum Station Flow:Pasing Pressure:Servical Station:11 Design Pressure:9.38 GPMCritical Station:11 Design Pressure:12 Friction Loss:0 PSI Loss through Valve:1.45 PSI Dressure Req. at Critical Station:0.03 PSI Loss for Fittings:0.03 PSI Loss for POC to Valve Elevation:0 PSIDesign Pressure:0 DSI Loss for POC to Valve Elevation:0 PSIValve Elevation:0 DSIValve Elevation:0 DSIValve Elevation:0 DSIDSI Doss for POC to Valve Elevation:0 DSI	1 <u>1</u>	$\begin{array}{c c} \underline{STMBOL} \\ \hline 1401 & 1402 & 1404 & 1408 \\ \hline \underline{SYMBOL} \\ \hline \hline \\ \hline $	MANUFACTURER/MODEL/DESCRIPTION RAIN BIRD RWS-B-C ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 36.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE, AND CHECK VALVE. RAIN BIRD BUBBLER OPTION AS INDICATED 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2.0 GPM. MANUFACTURER/MODEL/DESCRIPTION RAIN BIRD PEB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. RAIN BIRD 33-DLRC 3/4" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY. DRAIN VALVE PRESSURE REDUCING VALVE PRESSURE REDUCING VALVE PRESSURE REDUCING VALVE RAIN BIRD TBOS-BT2 2 STATION BLUETOOTH BATTERY OPERATED CONTROLLER WITH MASTER VALVE AND SENSOR OUTPUT INSTALL WITH (TBOSPSOL) 9V. DC POTTED LATCHING SOLENOID. USE (TBOSADAPP OR TBOSADAPB) ADAPTERS FOR NON-RAIN BIRD PLASTIC/BRASS VALVES. WATER METER 5/8"		Generated: P.O.C. NUMBER: 12 Water Source Information: FLOW AVAILABLE Water Meter Size: Flow Available PRESSURE AVAILABLE Static Pressure at POC: Elevation Change: Service Line Size: Length of Service Line: Pressure Available: DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available: Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation: Loss for Backflow: Loss for Water Meter: Critical Station Pressure at POC: Pressure Available: Residual Pressure Available:	2022-04-26 09:43 5/8" 11.88 GPM 65.00 PSI 5.00 ft 3/4" 20.00 ft 60.00 psi 2 GPM <u>11.88 GPM</u> 9.88 GPM 9.88 GPM 36.45 PSI 0.3 PSI 0.26 PSI 0.3 PSI 0.3 PSI 42.84 PSI 60 PSI 17.16 PSI
SCHEDU	P.O.C. NUMBER: 11 Water Source Information: FLOW AVAILABLE Water Meter Size: 5/8" Flow Available 11.88 GPM PRESSURE AVAILABLE Static Pressure at POC: 65.00 PSI Elevation Change: 5.00 ft Service Line Size: 3/4" Length of Service Line: 20.00 ft Pressure Available: 60.00 psi DESIGN ANALYSIS Maximum Station Flow: 2.5 GPM Flow Available at POC: 11.88 GPM Residual Flow Available: 9.38 GPM Critical Station: 11 Design Pressure: 35 PSI Friction Loss: 0.12 PSI Fittings Loss: 0 PSI Loss through Valve: 1.45 PSI Pressure Req. at Critical Station: 36.57 PSI Loss for Fittings: 0.03 PSI Loss for Main Line: 0.27 PSI Loss for POC to Valve Elevation: 0 PSI	1 <u>1</u>		RAIN BIRD RWS-B-C ROOT WATERING SYSTEM WITH 4.0" DIAMETER X 36.0" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE, AND CHECK VALVE. RAIN BIRD BUBBLER OPTION AS INDICATED 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2.0 GPM. MANUFACTURER/MODEL/DESCRIPTION RAIN BIRD PEB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. RAIN BIRD 33-DLRC 3/4" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY. DRAIN VALVE PRESSURE REDUCING VALVE PRESSURE REDUCING VALVE PRESSURE DOWNSTREAM REQUIRED IS 36.7 PSI ZURN 950XL 3/4" DOUBLE CHECK VALVE ASSEMBLY RAIN BIRD TBOS-BT2 2 STATION BLUETOOTH BATTERY OPERATED CONTROLLER WITH MASTER VALVE AND SENSOR OUTPUT INSTALL WITH (TBOSPSOL) 9V. DC POTTED LATCHING SOLENOID. USE (TBOSADAPP OR TBOSADAPB) ADAPTERS FOR NON-RAIN BIRD PLASTIC/BRASS VALVES. WATER METER 5/8" IRRIGATION LATERAL LINE: PVC SCHEDULE 40	35 T T T T T T T T T T T T T T T T T T T	 P.O.C. NUMBER: 12 Water Source Information: FLOW AVAILABLE Water Meter Size: Flow Available PRESSURE AVAILABLE Static Pressure at POC: Elevation Change: Service Line Size: Length of Service Line: Pressure Available: DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available: Pressure Req. at Critical Station: Loss for Fittings: Loss for POC to Valve Elevation: Loss for POC to Valve Elevation: Loss for Backflow: Loss for Water Meter: Critical Station Pressure at POC: Pressure Available: 	2022-04-26 09:43 5/8" 11.88 GPM 65.00 PSI 5.00 ft 3/4" 20.00 ft 60.00 psi 2 GPM 11.88 GPM 9.88 GPM 9.88 GPM 36.45 PSI 0.03 PSI 0.26 PSI 0.26 PSI 0.3 PSI 0.3 PSI 42.84 PSI 60 PSI

	LEGEND
oQ (# = POLE #) <1>	COBRA HEAD STREET LIGHT, 28' STEEL POLE, 8' MAST ARM AND CONCRETE FOUNDATION. REFER TO CITY OF TACOMA STANDARD PLAN NO. SL-02 FOR CONCRETE FOUNDATION INFORMATION AND REQUIREMENTS
•□	PEDESTRIAN AREA LIGHT, ALUMINUM POLE AND CONCRETE FOUNDATION. SEE POLE BASE DETAIL THIS SHEET
	WSDOT TYPE 1 JUNCTION BOX WITH ALTERNATIVE 2 LOCKING LID PER WSDOT STANDARD PLAN J-40.10-04
Е	NEW UNDERGROUND CONDUIT AND WIRE
——————————————————————————————————————	EXISTING UNDERGROUND CONDUIT AND WIRE
	WIRE NOTE, SEE WIRING SCHEDULE

COPPER WIRING SCHEDULE

COMMENTS

WIRE

2#8 & 1#8 GROUND WIRE

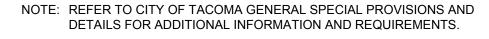
	LUMINAIRE SCHEDULE													
LUM. NO.	LOCATION - CIRCUIT	STATION/OFFSET	LIGHT SPECIFICATION	POLE TYPE	* MAST ARM	MOUNTING HEIGHT								
$\langle 1 \rangle$	MLK - EXISTING CIRCUIT	217+88, 38'LT	GCM2-40H-MV-NW-3R-GY-1A-PCR7-4B - 135 WATTS	COBRAHEAD	8 FT	30 FT								
2	MLK - EXISTING CIRCUIT	227+48, 38'LT	GCM2-40H-MV-NW-3R-GY-1A-PCR7-4B - 135 WATTS	COBRAHEAD	8 FT	30 FT								
3	MLK - EXISTING CIRCUIT	229+47, 65'LT	GCM2-40H-MV-NW-3R-GY-1A-PCR7-4B - 135 WATTS	COBRAHEAD	8 FT	30 FT								
4	MLK - EXISTING CIRCUIT	227+84, 38'LT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								
5	MLK - EXISTING CIRCUIT	227+58, 17'RT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								
6	MLK - EXISTING CIRCUIT	230+50, 39'LT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								
7	MLK - EXISTING CIRCUIT	232+10, 18'RT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								
8	MLK - EXISTING CIRCUIT	235+21, 39'LT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								
9	MLK - EXISTING CIRCUIT	235+54, 18'RT	SEE DRAWING PLANS NOTES	PEDESTRIAN	N/A	14.75 FT								

NOTES: OFFSET DISTANCES ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED AS NECESSARY SO THAT POLE MEETS ALL REQUIRED OFFSET DISTANCES AND IS NOT LOCATED WITHIN THE PEDESTRIAN PATH.

OFFSET DISTANCES INDICATED ARE FROM OUTBOUND TRACK ALIGNMENT CENTERLINE PROVIDED BY SOUND TRANSIT TO CENTER OF LIGHT STANDARD.

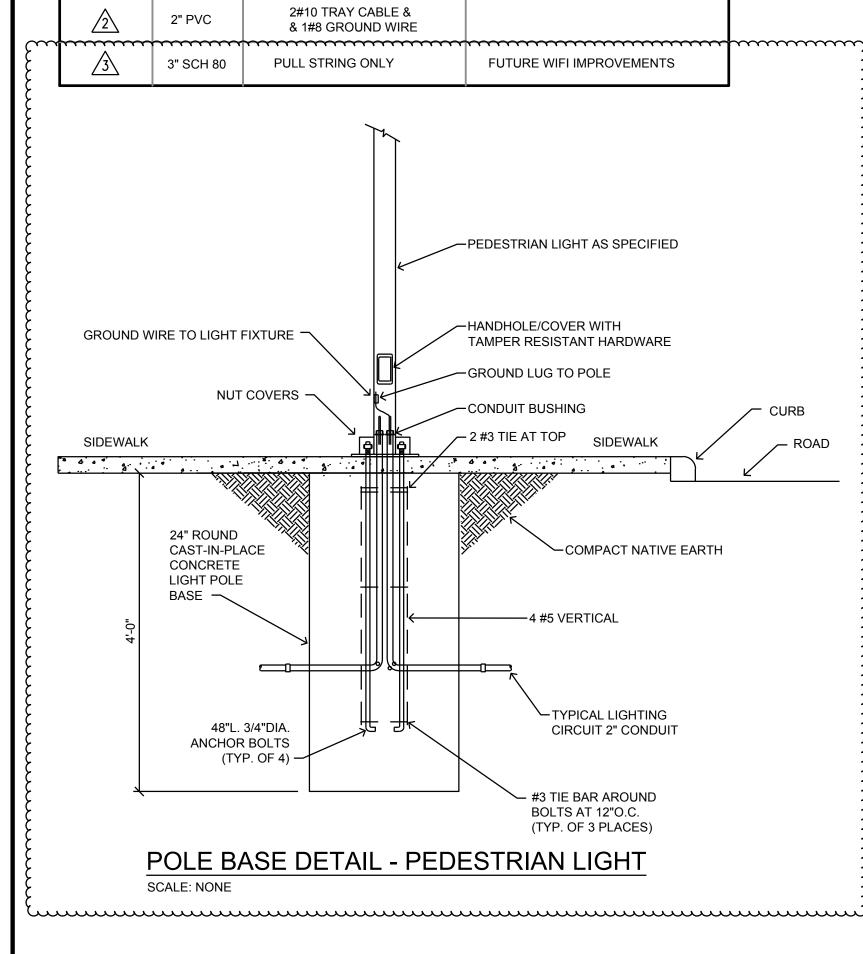
ALL LUMINAIRES SHALL BE EQUIPPED WITH NEMA 7-PIN LED COMPATIBLE PHOTOCELL RECEPTACLES

CONTRACTOR TO FIELD VERIFY LOCATIONS TO ENSURE NO CONFLICT WITH EXISTING UTILITIES, STREET FEATURES TO REMAIN AND LIGHT RAIL CATENARY WIRE OFFSETS.



RUN NO. CONDUIT

2" SCH 80





GENERAL NOTES

1. ALL WORKMANSHIP, MATERIALS, CONSTRUCTION AND TESTING SHALL BE IN ACCORDANCE WITH WSDOT / APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (STANDARD SPECIFICATIONS), AS MODIFIED BY THE CITY OF TACOMA GENERAL SPECIAL PROVISIONS; NATIONAL ELECTRICAL CODE (NEC); AND CITY OF TACOMA RIGHT-OF-WAY DESIGN MANUAL UNLESS OTHERWISE SPECIFIED BELOW. IN CASES OF CONFLICT THE MOST STRINGENT SPECIFICATION SHALL APPLY.

2. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE WITH CITY OF TACOMA CONSTRUCTION AND INSPECTION PERSONNEL. PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR MUST SUBMIT AND RECEIVE APPROVAL FOR: TRAFFIC CONTROL PLANS (TCP) CONSISTENT WITH THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING REVISION 3 DATED SEPTEMBER 3, 1993; TEMPORARY EROSION / SEDIMENTATION CONTROL PLANS (TESCP); CONSTRUCTION AND PERFORMANCE BONDS; AND PROOF OF INSURANCE COVERAGE. THE CONTRACTOR SHALL SCHEDULE THE PRE-CONSTRUCTION CONFERENCE.

3. APPROVED STREET LIGHT PLANS SHALL BE ON THE JOB SITE WHENEVER STREET LIGHT CONSTRUCTION IS IN PROGRESS.

4. ALL STREET LIGHTING SYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPROVED STREET LIGHT PLANS. ANY DEVIATION FROM APPROVED STREET LIGHT PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER. THE CITY TRANSPORTATION ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.

5. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE PERMITS AND ANY OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY.

6. ANY APPROVED CUTS OF EXISTING PUBLIC ROADWAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY OF TACOMA CONSTRUCTION STANDARDS. ALL CUTS INTO EXISTING ASPHALT SHALL BE ALONG NEAT, CONTINUOUS, SAWED, OR WHEEL-CUT LINES. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER TRENCH BACKFILL AND COMPACTION IF THAT PAVEMENT IS OPENED TO TRAFFIC. THIS TEMPORARY PATCH SHALL BE REPLACED WITH AT LEAST 3 INCHES OF COMPACTED ASPHALT CONCRETE PAVEMENT CLASS B, 6 INCHES OF CRUSHED SURFACING TOP COURSE, OR THAT PAVEMENT SECTION AS REQUIRED DEPENDENT UPON A SOILS ENGINEER'S RECOMMENDATION AND TESTS. IN NO CASE SHALL THE REPLACEMENT PAVEMENT SECTION BE LESS THAN THE EXISTING PAVEMENT SECTION.

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	ADDENDUM 6 REVISIONS	5/09/23		FINAL CONSTRUCTION CHECKED	DATE 5/5/2023 DESIGNED	SCALE AS SHOWN CHECKED	COLBY Store WASSING	DEPARTMEN	city of tacoma NT OF PUBLIC WORKS	WORK ORDER NO. PWK-G0041
	ADDENDUM 3 REVISIONS ADDENDUM 2 REVISIONS	3/31/23 3/23/23		BY DATE	DPH drawn DPH, JNK	JCM File NAME 2160917		DocuSigned by: (Livis Larson	LINKS TO OPPORTUNITY STREETSCAPE PROJECT ILLUMINATION LEGEND, NOTES,	AHBL JOB NO. 2160917.10 SHEET NO. IL-00
	ADDENDUM 1 REVISIONS REVISION	3/20/23 DATE		FIELD BOOKS			GESSIONAL ENGINE	SITE AND BUILDING DIVISION	SCHEDULES	пс=00 sheet 56 of 59

7. ALL LIGHTING WIRE SHALL BE COPPER WITH A MINIMUM SIZE OF #8 U.S.E. COPPER. ALL WIRE SHALL BE SUITABLE FOR WET LOCATIONS. ALL STREET LIGHTING WIRE SHALL BE INSTALLED IN SCHEDULE 80 PVC CONDUIT WITH A MINIMUM DIAMETER OF 1-1/4 INCHES. A BUSHING OR BELL-END SHALL BE USED AT THE END OF THE CONDUIT THAT TERMINATES AT A JUNCTION BOX OR LIGHT STANDARD. CONDUCTOR IDENTIFICATION SHALL BE AN INTEGRAL PART OF THE INSULATION OF THE CONDUCTORS THROUGHOUT THE SYSTEM, I.E. USE COLOR-CODED WIRE. EQUIPMENT GROUNDING CONDUCTORS SHALL BE A MINIMUM SIZE OF #8 U.S.E. COPPER. ALL SPLICES OR TAPS SHALL BE MADE BY APPROVED METHODS (I.E. 3-M MOISTURE SEALANT TAPE #06147 OVER WIRES BUTT SPLICE JOINED BOTH MECHANICALLY AND ELECTRICALLY, OR APPROVED EQUAL: EPOXY SPLICE KITS ARE NOT ACCEPTABLE), RATED AT 600 VOLTS. ALL SPLICES SHALL BE MADE WITH PRESSURE TYPE CONNECTORS (WIRE NUTS WILL NOT BE PERMITTED). DIRECT BURIAL WIRE SHALL NOT BE PERMITTED OUTSIDE OF CONDUITS. ALL OTHER INSTALLATIONS SHALL CONFORM TO THE NEC, THE CITY OF TACOMA CONSTRUCTION STANDARDS, AND WSDOT / APWA STANDARD SPECIFICATIONS.

8. EACH CITY-OWNED LIGHT STANDARD SHALL HAVE AN IN-LINE, FUSED, WATER-TIGHT ELECTRICAL DISCONNECT LOCATED AT THE BASE OF THE STANDARD. ACCESS TO THESE FUSED DISCONNECTS SHALL BE THROUGH THE HAND HOLE ON THE STANDARD. THE HAND HOLE SHALL BE FACING AWAY FROM ON-COMING TRAFFIC. ADDITIONAL CONDUCTOR LENGTH SHALL BE LEFT INSIDE THE PULL BOXES, AND JUNCTION BOXES (NO EXTRA WIRE IS PERMITTED WITHIN THE LIGHT STANDARDS) EQUAL TO AN EXTRA LENGTH OF ONE FOOT. WIRES INSIDE THE LIGHT STANDARD SHALL BE POLE BRACKET WIRE, 2 CONDUCTOR, #10 COPPER AND SHALL BE SUPPORTED AT THE END OF THE LUMINAIRE ARM BY AN APPROVED MEANS. FUSE SIZE, DISCONNECT INSTALLATION AND GROUNDING IN STANDARDS SHALL CONFORM TO NEC STANDARDS.

9. APPROVED PULL BOXES OR JUNCTION BOXES SHALL BE INSTALLED WHEN CONDUIT RUNS ARE LONGER THAN 200 FEET. IN ADDITION, A PULL BOX OR JUNCTION BOX SHALL BE LOCATED WITHIN 6 FEET OF EACH LIGHT STANDARD AND AT EVERY ROAD CROSSING. LIGHTING BOXES SHALL BE CLEARLY AND INDELIBLY MARKED AS LIGHTING BOXES. SEE CITY STANDARD PLANS GENERAL SPECIAL PROVISIONS FOR JUNCTION BOX DETAILS AND MARKING REQUIREMENTS.

10. ALL CITY-OWNED LIGHT STANDARDS SHALL HAVE TAPERED ROUND SHAFTS WITH A LINEAR TAPER, AND MAST ARM LENGTHS OF BETWEEN 6 FEET AND 15 FEET UNLESS OTHERWISE APPROVED BY THE TRANSPORTATION ENGINEER.

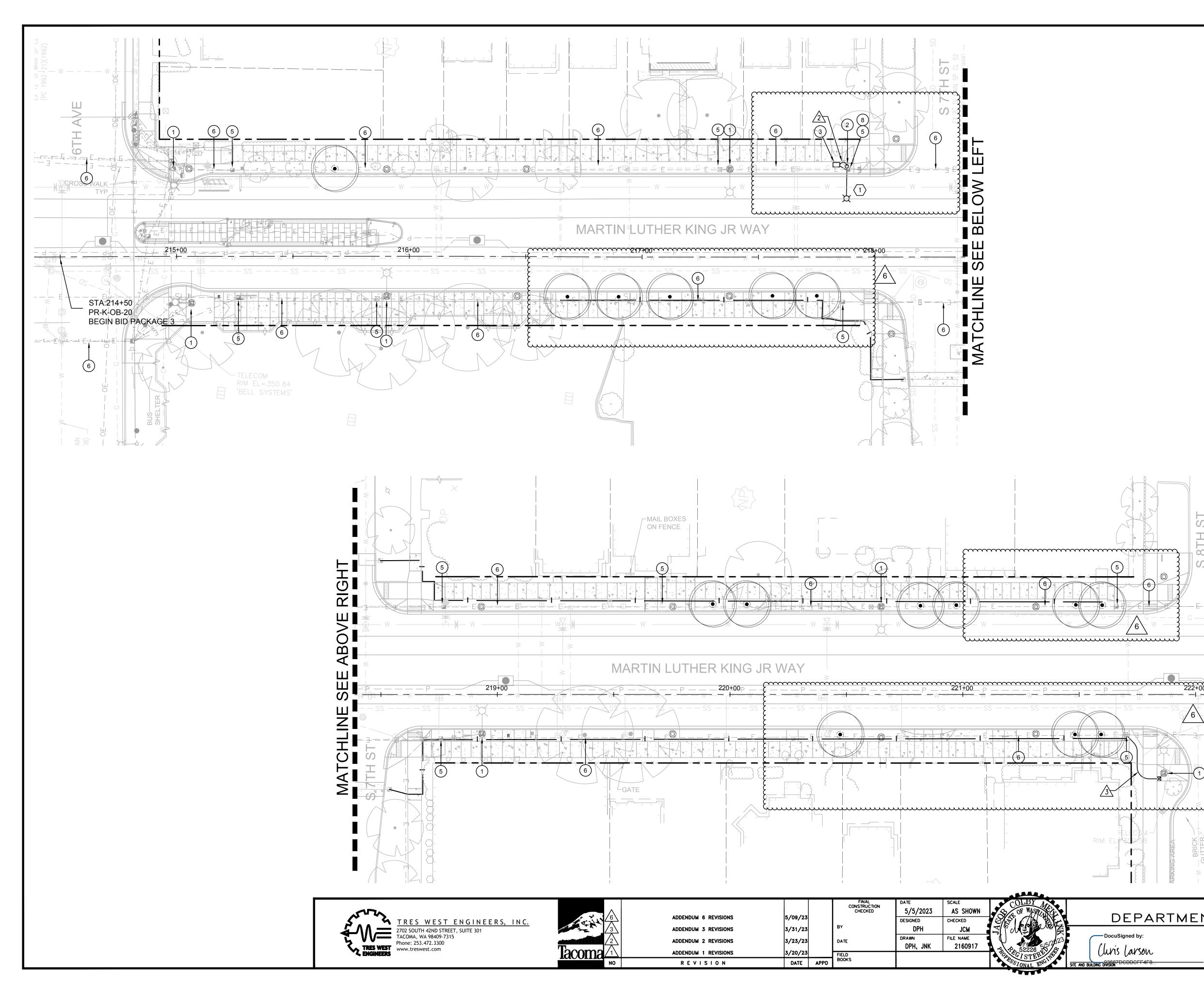
11. MOUNTING HEIGHTS, ARM LENGTH, OVERHANGS, POWER SOURCE, LUMINAIRE, BOLT PATTERNS, AND MAXIMUM AND MINIMUM STREET LIGHT STANDARD SPACING SHALL BE SHOWN ON THE STREET LIGHTING PLANS.

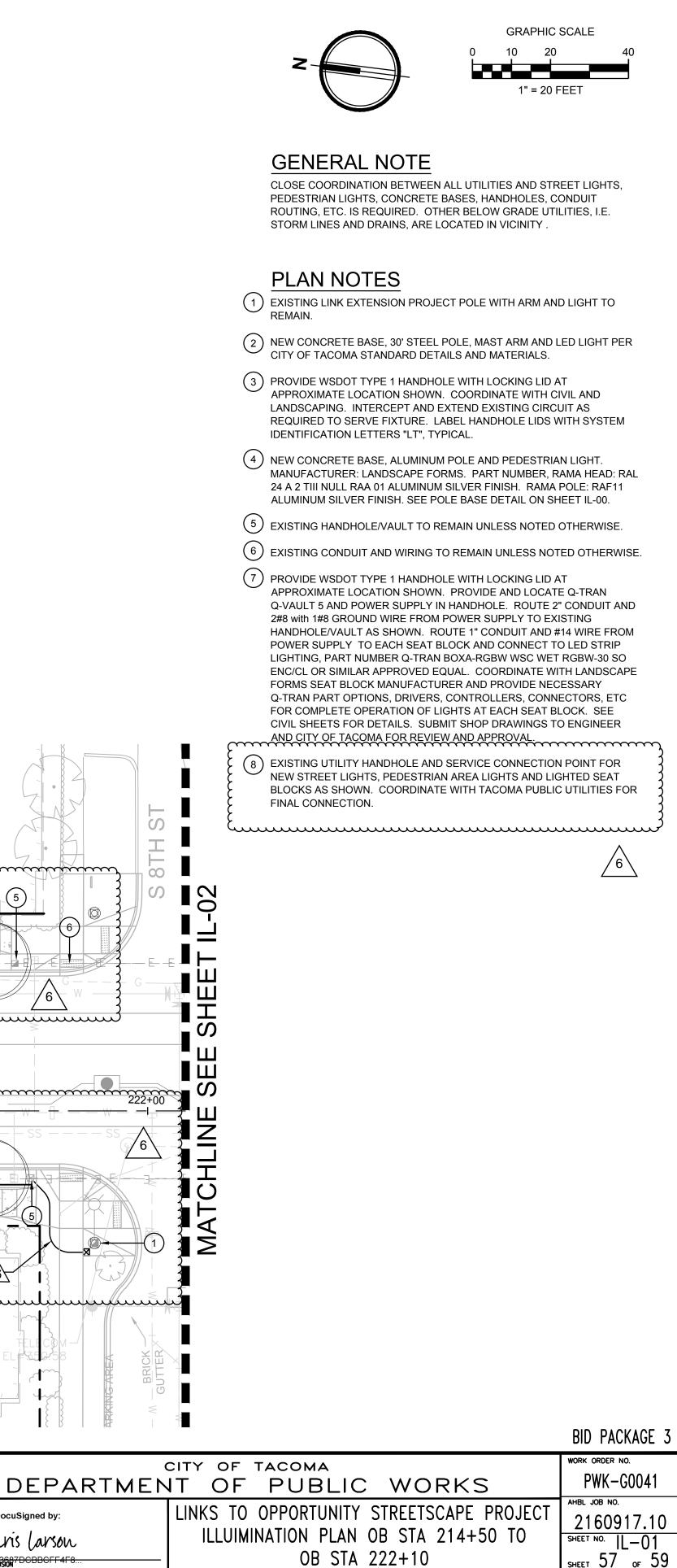
12. CEMENT CONCRETE BASES FOR CITY-OWNED STREET LIGHT STANDARDS (POLES) SHALL CONFORM TO STANDARD DETAIL NO. SL-02. CONDUIT AND BOLTS SHALL EXTEND NO MORE THAN 4 INCHES ABOVE THE TOP OF THE CEMENT CONCRETE BASE. THE SPACE BETWEEN THE BOTTOM OF THE LIGHT STANDARD AND THE TOP OF THE BASE SHALL BE FILLED WITH APPROVED GROUT TO PROVIDE WIRING PROTECTION FROM RODENTS AND OTHER VERMIN AND TO PROVIDE A FINISHED APPEARANCE.

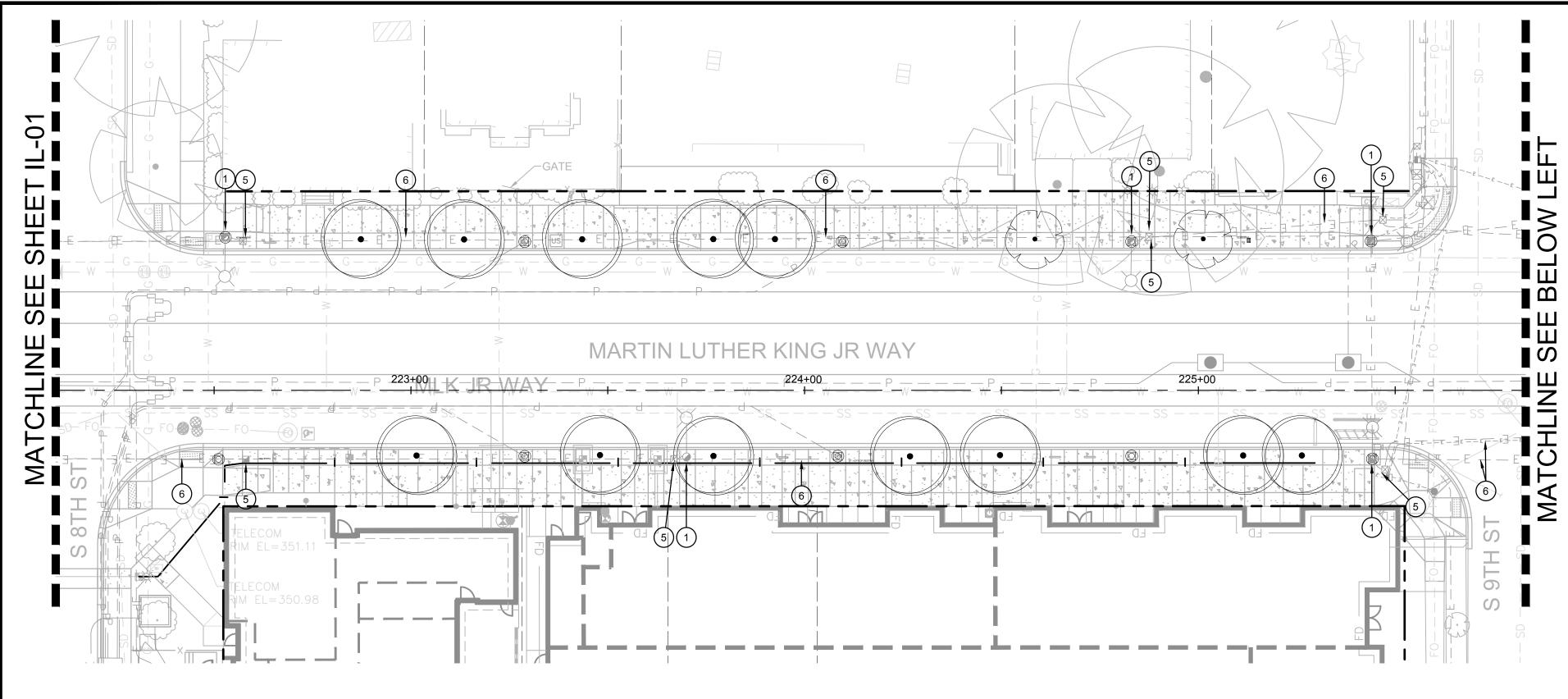
13. EXISTING STREETLIGHT AND SIGNAL CONDUITS AND CABLES SHALL BE LOCATED AND DEPTH VERIFIED BY THE CONTRACTOR BEFORE SAWCUTTING, EXCAVATION, DEMOLITION, OR GRADING OCCURS. LOWERING OF OR DAMAGE TO THE SYSTEM WILL REQUIRE NEW CONDUITS, CABLES, AND POSSIBLY THE ADDITION OF JUNCTION BOXES. NOTE: SIGNAL CABLES CANNOT HAVE SPLICES AND MUST BE REPLACED IN ITS ENTIRETY.

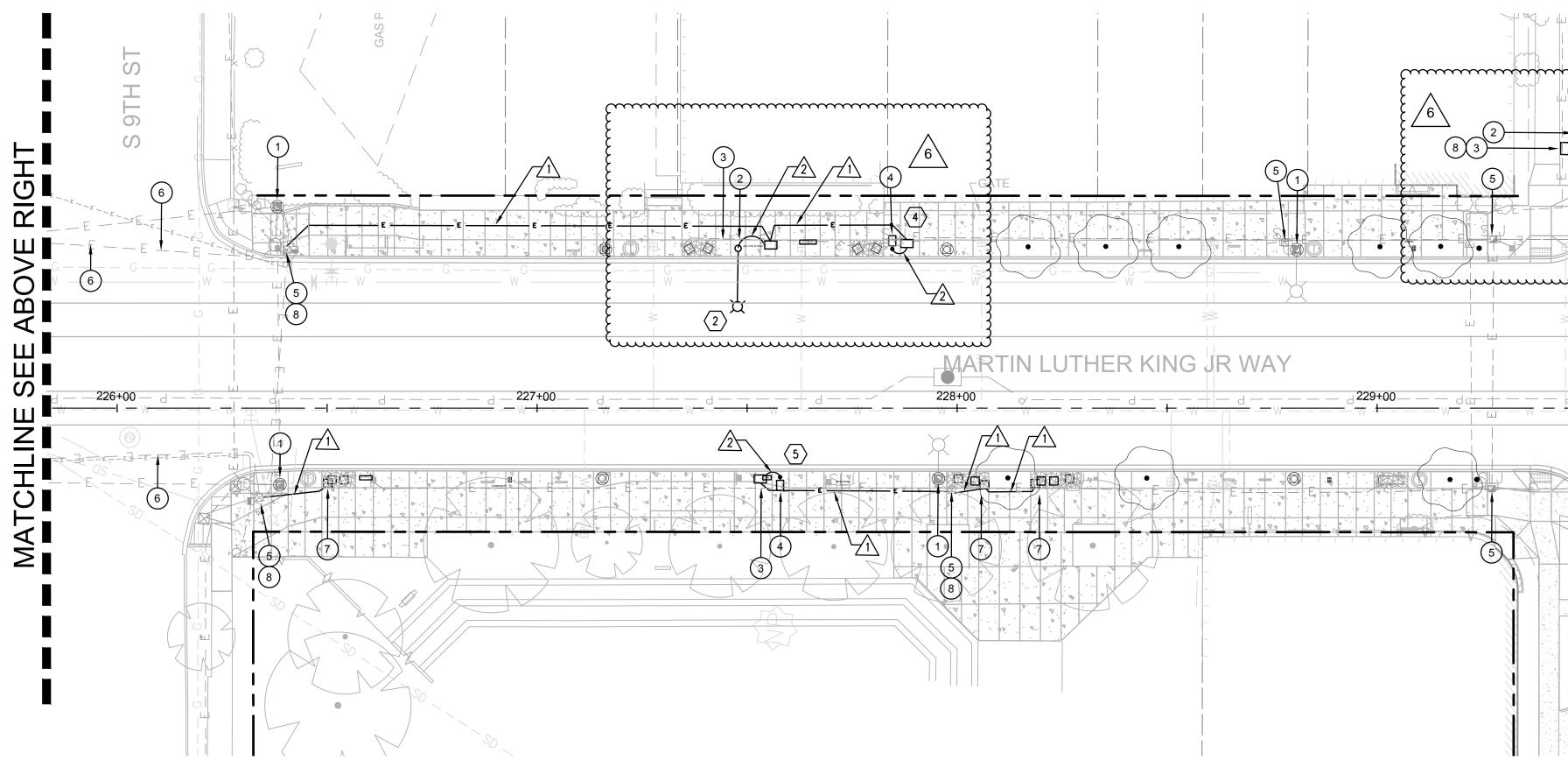
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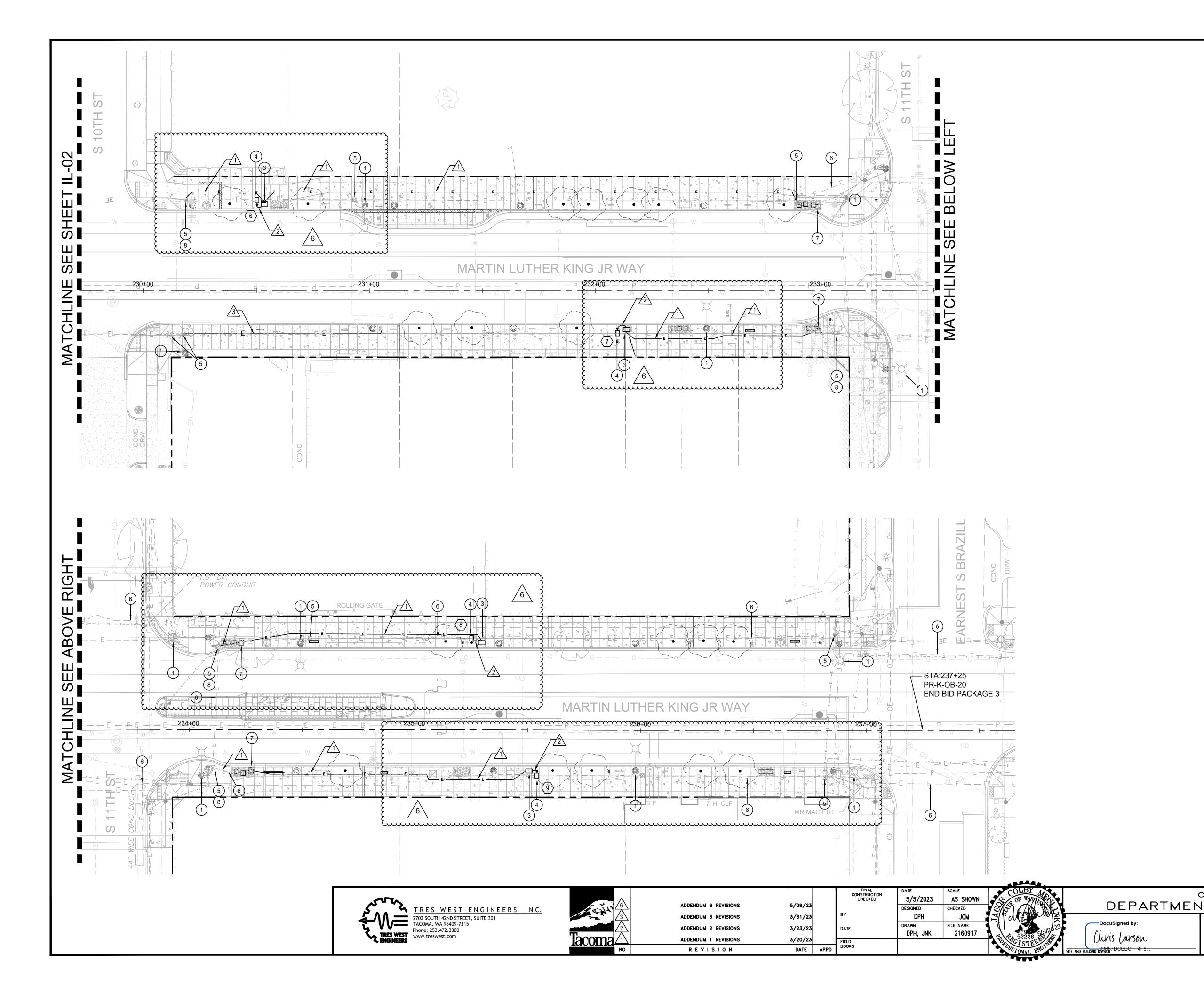




TRES WEST ENGINEERS, INC. 2702 SOUTH 42ND STREET, SUITE 301 TACOMA, WA 98409-7315 Phone: 253 472 3300 Phone: 253.472.3300 www.treswest.com

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