



December 29, 2025

TO: PLAN HOLDERS LIST

SUBJECT: PROCUREMENT NO. 112025-1001  
WEST SITCUM MAIN SUBSTATION REPLACEMENT

**ADDENDUM NUMBER 03**

This addendum is issued to amend the following:

**SECTION 01 14 00 – Work Restrictions**

Attachment A

**SECTION 32 31 13 – CHAIN LINK FENCES AND GATES**

Attachment B

**Drawings**

Attachment C

C2.0

C3.0

E6.0

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## PART 1 - GENERAL

### 1.01 SUMMARY

- A. This Section specifies work sequence and constraints.
- B. The purpose of the milestones, sequence and limitations of construction are to ensure that the Contractor understands the requirements and limitations on its work by the specific characteristics of the Contract, schedules and conducts work in a manner consistent with achieving these purposes, and complies with the construction schedule, the specific sequence, constraints, milestones and limitations of work specified.
- C. Sequence of construction. Plan the sequence of construction to accommodate all the requirements of the specifications. The Contract Price shall include all specified requirements as described in this Section.

### 1.02 CONTRACTOR ACCESS AND USE OF PREMISES

#### A. Activity Regulations

- 1. Ensure Contractor personnel deployed to the project become familiar with and follow all regulations or restrictions established by the Engineer.

#### B. Working Facility

- 1. The Facility will remain in operation for the duration of construction. The Contractor shall conduct all items of the Work in such a manner as to prevent interference with the normal operations of the Facility.
- 2. TWIC Escorting Requirements:

- a. Designated Escorts must undergo training with SSA Terminal Operator

- 3. Drive lanes adjacent to Substation #1 must remain available to terminal operations each Wednesday and Friday. Plan all trench work to occur Saturday through Tuesday. Weekend work access will be available

#### C. Work Site Regulations

- 1. Keep within the limits of work and assigned avenues of ingress and egress. Do not enter any areas outside the designated work location unless previously approved by the Engineer. The Contractor must comply with the following conditions:
  - a. Restore all common areas to a clean and useable condition that permits the resumption of Tenant operations after the Contractor ceases daily work.
  - b. Be responsible for control and security of Contractor-owned equipment and materials at the work site. Report to Port Security (phone (253) 383-9472) any missing/lost/stolen property.
  - c. Ensure all materials, tools and equipment will be removed from the site or secured within the designated laydown area at the end of each shift.

### 1.03 CONSTRAINTS - GENERAL

#### A. Constraints for Work at Site

- 1. Electrical Work Constraints:
  - a. Electrical service to terminal cranes must not be interrupted

- 
- b. Current electrical infrastructure must remain operational until the new substation is ready to be put into service. All service disruptions must be coordinated with Port of Tacoma and SSA Terminal operations.
2. Truck Lanes adjacent to Substation #1:
- a. Wednesdays and Fridays, no work may occur that impedes the drive lanes
  - b. Trench work must be completed, including asphalt placement within the Saturday through Tuesday timeframe
  - c. No temporary covering will be allowed in the drive lanes outside of the work timeframe
  - d. Subdivide all trench work in the drive lanes such that the demolition, excavation, conduit placement, backfill and patch paving can be completed Saturday through Tuesday
  - e. Contractor may propose alternate methods but will be subject to approval from terminal operations

**PART 2 - PRODUCTS**

**PART 3 - EXECUTION**

**END OF SECTION**

## **PART 1 - GENERAL**

### **1.01 RELATED WORK SPECIFIED ELSEWHERE**

- A The provisions and intent of the Contract, including the General Conditions, Supplementary Conditions, and General Requirements, apply to this work as if specified in this section. Work related to this section is described in:
  - 1 Section 03 30 00 – Cast-in-Place Concrete
  - 2 Section 05 50 00 – Metal Fabrication
  - 3 Section 31 23 33 – Trenching and Backfilling
  - 4 Section 32 12 16 – Asphalt Paving

### **1.02 DESCRIPTION OF WORK**

- A The extent and location of the chain link fence and gate work is indicated on the drawings. The work includes the requirements for furnishing and installing all items and components of a completed fence system in conformance with these specifications and the dimensions and sections indicated on the drawings.

### **1.03 QUALITY ASSURANCE**

- A Engage an experienced installer having at least five (5) years' experience with similar projects and having completed at least five chain link fencing projects with the same materials, similar security requirements, and of similar scope.
- B The Port will provide inspection service. The Contractor shall provide all necessary assistance in carrying out such inspections and tests, at no additional cost to the Port.
- C This section references quality and specification standards by the American Society for Testing Materials (ASTM), Standard Specifications and Standard Test Methods, designated by basic reference (use the most current edition at the time of bid unless otherwise indicated).

### **1.04 SUBMITTALS**

- A Documentation demonstrating the qualifications and experience of the installer as described above.
- B Shop drawings, catalog cuts, and fabrication methods for fencing fabric, fabric coating, framework, posts, rails, fittings, barbed wire, cantilever sliding gate, lock mechanism details, and other fencing elements.
  - 1 Provide plans, sections, and elevation drawings for all elements.
  - 2 Indicate all material types and show compliance with the drawings and specifications.
  - 3 Include details of the relationship of the gate and gate clearances to finish grades at various stages of opening and closing. Ensure adequate clearance between gate panels and finish grades.
- C Submit the manufacturer's written specifications detailing the polymer/vinyl coating product components and the methods of application or fabrication.

## **PART 2 - PRODUCTS**

### **2.01 CHAIN LINK FENCE**

- A General:
  - 1 Supply chain link fences and gates including accessories, fittings, and fastening from a single manufacturer.

- 2 The fence shall be chain link fabric supported on a steel frame, the posts of which are embedded in concrete foundations. Barbed wire supported on brackets above the fabric portion shall be installed as indicated on the drawings.
- 3 All steel fabric, framework, and fittings shall be hot-dipped galvanized after fabrication.

**B Fabric:**

- 1 Zinc-coated before weaving in accordance with ASTM A 392, Class 1 coating, and according to ASTM A 817 for Type II, Class 4 coating. The wire shall be 2-inch by 2-inch No. 9 gauge with 70,000 psi strength woven into steel chain link fabric and the fabric shall be twisted and barbed on both selvages.
- 2 Polymer coat in accordance with ASTM F 668, Class 2a coating. Color black in accordance with ASTM F 934. Submit the manufacturer's written specifications detailing the coating product and method of fabrication.
- 3 Supply 5 aerosol spray cans each containing a minimum of 14 ounces of touch-up paint in the color specified. The touch-up paint shall be compatible with the polymer coating system used.

**C Framework:**

- 1 Posts, rails, and braces shall be ASTM A 53 material and in accordance with ASTM F 1083.
- 2 Line posts: 2.875-inch outside diameter, schedule 40 pipe weighing 5.79 pounds per foot.
- 3 End, corner, or pull posts: 4.000-inch outside diameter, schedule 40 pipe weighing 9.12 pounds per foot.
- 4 Top rails and post braces: 1.66-inch outside diameter, schedule 40 pipe weighing 2.27 pounds per foot.
- 5 Swing gate posts: 2.875-inch outside diameter, schedule 40 pipe weighing 5.80 pounds per foot, for single gate up to 6-ft or double gate up to 12-ft. 4.0-inch outside diameter, schedule 40 pipe weighing 9.12 pounds per foot, for single gate up to 13-ft or double gate up to 20-ft. 6.625-inch outside diameter, schedule 40 pipe weighing 18.99 pounds per foot, for single gate up to 18-ft or double gate up to 36-ft.
- 6 Cantilever sliding gate posts: 6.625-inch outside diameter, schedule 40 pipe weighing 18.99 pounds per foot, for single gate up to 20-ft or double gate up to 38-ft.
- 7 Tubular framework shall exhibit no red rust on the exterior coated surface after 950 hours, and no red rust on the interior coated surface after 300 hours, exposure to salt spray according to ASTM B 117.
- 8 Tension wire: No. 7 gage (0.192-inch diameter) marcelled tension wire according to ASTM A 824, Type II, coated with not less than 0.80 ounce of zinc per square foot of uncoated wire surface. Polymer coat in accordance with ASTM F 1664, Class 2a coating. Color black in accordance with ASTM F 934.
- 9 All fittings, accessories, and hardware for chain link fence shall conform to the requirements of ASTM F 626 and match other framework material types. Polymer coat metallic-coated tie wires, clips, and hog rigs according to ASTM F 668 and match the color of the chain-link fabric in accordance with ASTM F 934. Barbed wire arm types as shown on the drawings.
- 10 PVC Coating on Posts and Rails: Provide PVC color coating, minimum thickness, 0.01 inch fused and adhered to the exterior coating of the posts and rails in accordance with ASTM F1043: color to match fabric in accordance with ASTM F934.

D Gates:

- 1 Design and fabricate gates to withstand wind and swing loads. Include allowances for future installation of slats, windscreens, inserts, signage, etc.
- 2 Construct swing gates and frames in accordance with ASTM F 900, unless noted otherwise, and to the dimensions shown on the drawings. Apply two coats of "GALVACON", or approved equal, in accordance with ASTM A 780 to welded corners of the gate frames, or use manufacturer's pre-fabricated galvanized corner connections.
- 3 Provide gates and frames with PVC color coating, minimum thickness, 0.01 inch fused and adhered to the exterior coating of the posts and rails in accordance with ASTM F1043: color to match fabric in accordance with ASTM F934.
- 4 Construct gates with chain-link fabric fastened to the ends of gate frame bars by tension bars and fabric bands, and to the top and bottom rails by tie wires in the same manner as the chain link fence fabric.
- 5 Cross-trussing shall be minimum 3/8-inch galvanized steel adjustable rods of the same material as the gate frame.
- 6 Install complete with hinges, latches, and drop-bar locking devices designed for the type of gate, posts, and lock used.
- 7 Provide positive-type latching devices with provisions for padlocking. Supply of padlocks is not required.

E Cantilever Sliding Gates:

- 1 Design and fabricate gates to withstand wind and other site-specific environmental and operational loads. Include allowances for future installation of slats, windscreens, inserts, signage, etc.
- 2 Construct gates with chain-link fabric fastened to the ends of gate frame bars by tension bars and fabric bands. Fasten fabric to the top and bottom rails by tie wires in the same manner as the chain link fence fabric.
- 3 Fabric: As specified for chain link fence above.
- 4 Construct gates and frames in accordance with ASTM F 900, unless noted otherwise, and to the dimensions shown on the drawings.
- 5 Provide gates and frames with PVC color coating, minimum thickness, 0.01 inch fused and adhered to the exterior coating of the posts and rails in accordance with ASTM F1043: color to match fabric in accordance with ASTM F934.
- 6 Apply two coats of "GALVACON", or approved equal, in accordance with ASTM A 780 to welded corners of the gate frames, or use manufacturer's pre-fabricated galvanized corner connections.
- 7 Gate frames shall be designed to interlock at the top and bottom horizontal members with the gate track. The gate track shall have semi-enclosed sections securely fastened to the fence framework to ensure smooth and stable back and forth manual operation.
- 8 Cross-trussing shall be minimum 3/8-inch galvanized steel adjustable rods of the same material as the gate frame. Cross-trussing must have PVC coating.
- 9 Support gate frame by, self-aligning, 4-wheeled, sealed lubricant, ball-bearing truck assemblies.

10 Provide positive-type latching devices and drop-bar with provisions for padlocking. Supply of padlocks is not required.

11 Protect dissimilar metals from galvanic action using coatings and isolators

F Other Materials:

1 Post anchorages shall be minimum 4,000 psi 28-day compressive strength concrete, standard ready-mixed concrete from a City of Tacoma approved plant. Air entrainment is not required.

**PART 3 - EXECUTION**

3.01 INSTALLATION

A Supply and install fences and gates in accordance with ASTM F 567 by an organization demonstrating at least five (5) years' experience regularly engaging in construction of complete security fencing systems.

B Install gates and other components in accordance with the manufacturer's instructions. Install locking bars to seat into keepers that are set into concrete ground anchors, which hold the gate rigidly in position when closed. Provide concrete ground anchors which hold the gate open to the specified arc.

C The locations and alignment of fence corners and gates are indicated on the drawings. The Contractor shall locate all intermediate line posts.

D Fasten fabric to posts, top rails, and the bottom tension wire with wire tie spacing as indicated on the drawings.

E Install top rails continuous. Provide for expansion or contraction of the continuous rail at regular intervals of maximum 100 feet.

F Install posts vertically with minimum depth of embedment as indicated on the drawings and at the spacing specified for the type of posts specified. In unpaved areas, strike off the post concrete 2 inches above the surrounding grade. In paved areas, leave the top of post concrete flush with the surrounding paving. Trowel the top of the concrete smooth with a slight slope away from the posts.

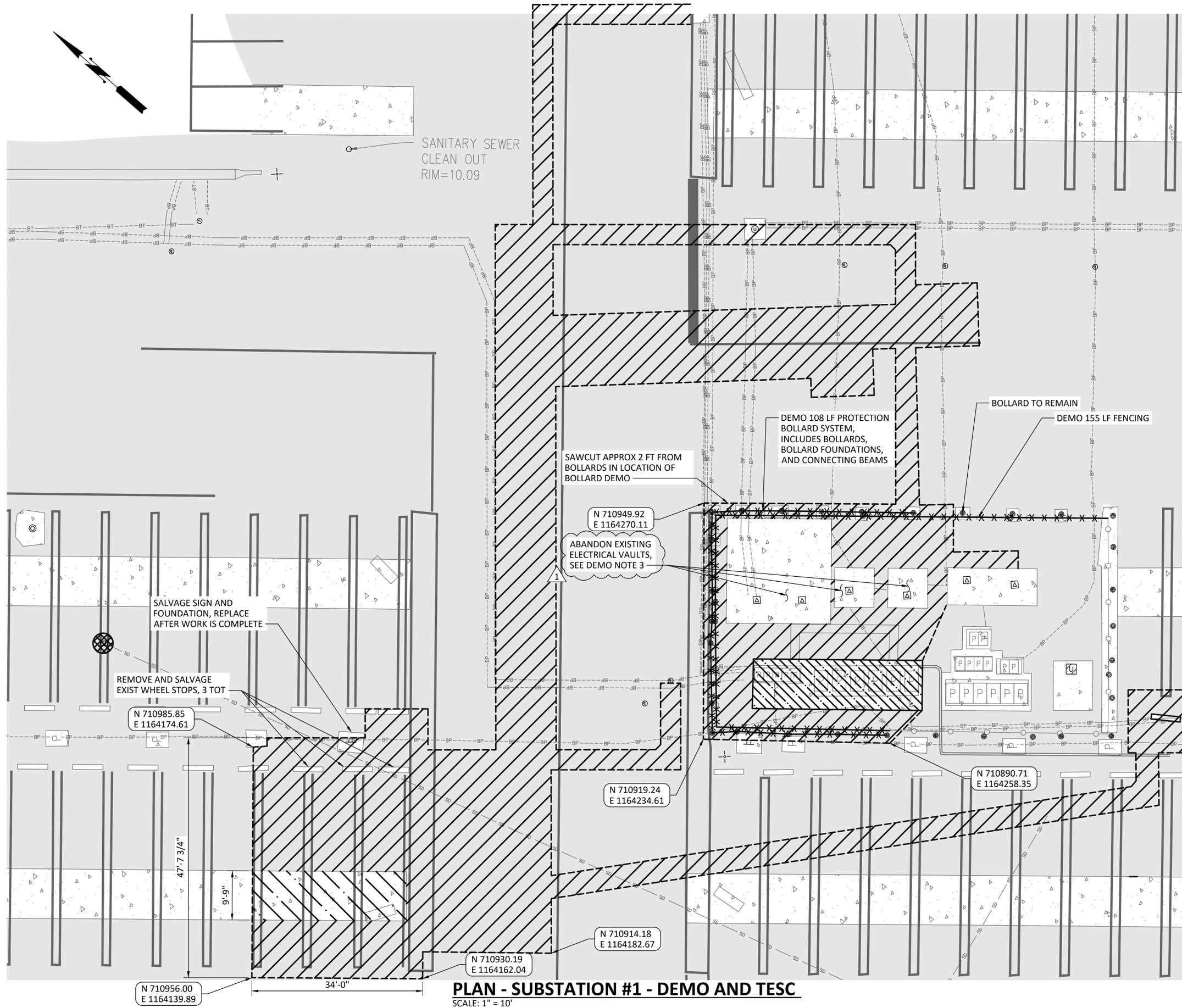
G Repair minor damage to galvanizing of fabric and fence appurtenances by thoroughly cleaning the damaged surfaces and the applying "GALVACON," or approved equal, in accordance with the manufacturer's recommendations and Section 05 50 00 of these specifications.

H Upon completion of the fence, clean the fence of all debris and repair marred or abraded areas as directed by the Engineer.

**END OF SECTION**

BINDING EDGE

PORT OF TACOMA FILE: C:\Users\USM13381\WSP\03651NW Maritime Projects - Projects\30902693\004\CADD\Drawings\02\_C02-00



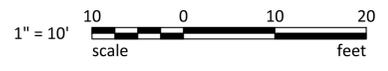
**PLAN - SUBSTATION #1 - DEMO AND TESC**  
SCALE: 1" = 10'

- TESC NOTES:**
- SEE C4.0 FOR ADDITIONAL NOTES.
  - INSTALL INLET PROTECTION ON ANY EXISTING CATCH BASINS LOCATED WITHIN 100 FEET OF PROJECT AREA, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THIS DRAWING.
  - TESC BMP'S MUST BE IN ACCORDANCE WITH DETAILS ON C4.0 AND WITH 2021 CITY OF TACOMA SWMM, VOLUME 3, CHAPTER 1, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
    - A. BMP C123-PLASTIC COVERING
    - B. BMP C140-DUST CONTROL
    - C. BMP C220-STORM DRAIN INLET PROTECTION

- DEMO / SITE PREP NOTES:**
- ALL DEMOLISHED MATERIALS MUST BE DISPOSED OF BY THE CONTRACTOR, EXCEPT FOR EXCAVATED SOIL MATERIALS THAT ARE REUSABLE.
  - REMOVE AND STOCKPILE SOILS FOR REUSE DURING BACKFILL. DISPOSE OF EXCESS OR GEOTECHNICALLY UNSUITABLE MATERIAL OFF-SITE, SEE NOTE 10 ON G2.0. PROTECT STOCKPILES PER TESC DETAIL.
  - REMOVE VAULT LIDS AND DEMOLISH VAULT TO 3 FT BELOW THE EXISTING GROUND SURFACE. VAULT SHALL BE FILLED WITH COMPACTED SAND.

**LEGEND**

- ASPHALT DEMO
- CONC DEMO (ASSUME 12" THICK)
- ASPHALT SAW-CUT
- CATCH BASIN INLET PROTECTION, SEE SHEET C4.0
- EXISTING CONCRETE
- EXISTING ASPHALT



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MARK: 1

REVISION: ADDENDUM #3

BY: JIV

DATE: 12/22/25

CE: 12/22/25

CHCKD BY: JIV

DATE: 12/22/25

APPROVED:

CHKDATE: \_\_\_\_\_

DIRECTOR ENGR. DATE: \_\_\_\_\_

PRINTED BY: USSM133814 Dec 22, 2025

SECTION: 34

RANGE: 3

VERT: NOS TIDAL (MILLW=0.0)

TOWNSHIP: 21

DAT-HRZ: NAD 83-07

AS SHOWN

PORT OF TACOMA

WEST SITCOM MAIN SUBSTATIONS REPLACEMENT

DEMO, & TESC PLAN

CONTR/CONS: \_\_\_\_\_

M. ID: \_\_\_\_\_

PHASE: 100% DESIGN SUBMITTAL

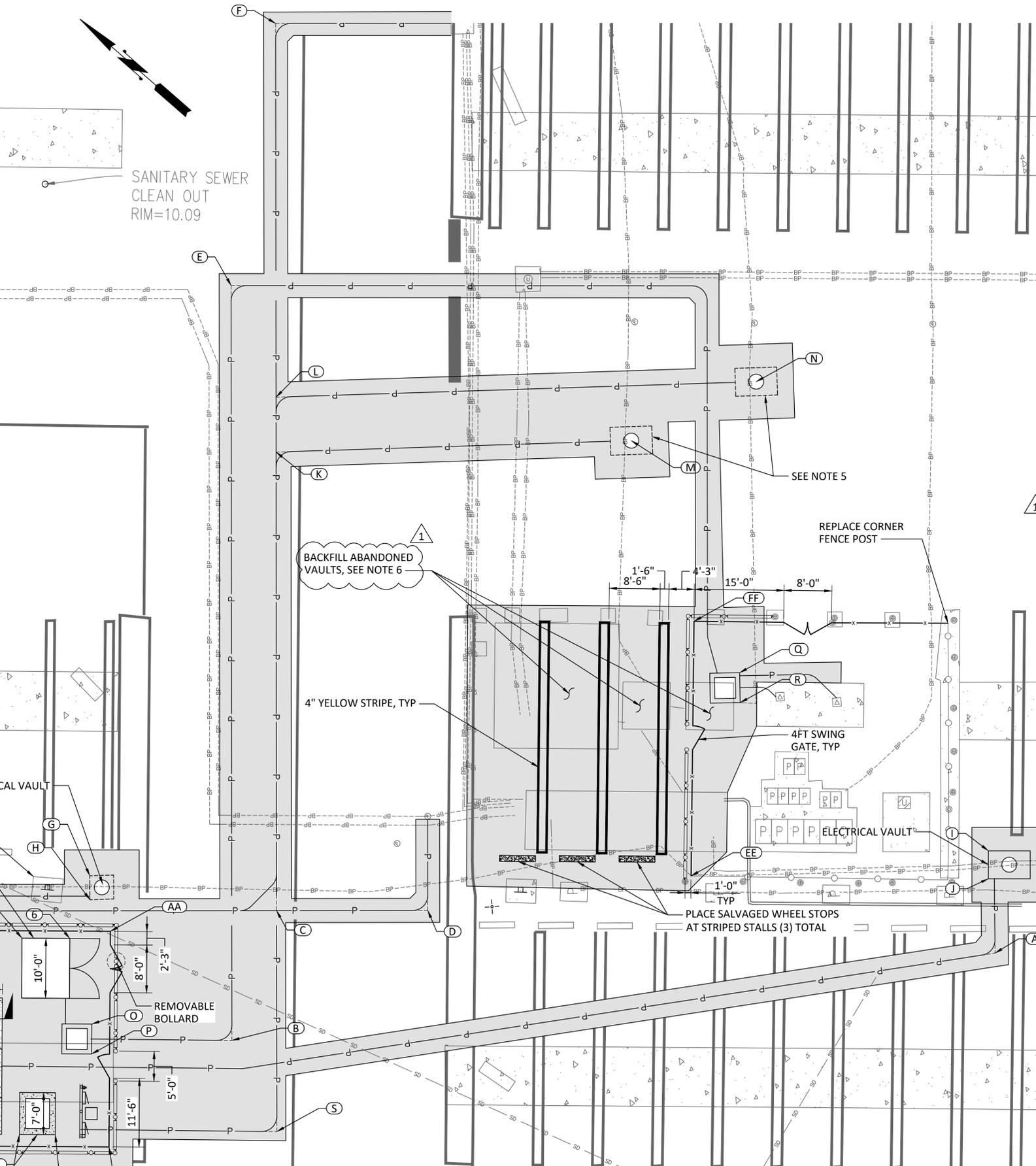
**C2.0**

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ELECTRICAL VAULT AND CONDUIT TABLE			FENCING TABLE		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
A	710845.15	1164284.18	AA	710959.28	1164189.78
B	710931.98	1164189.39	BB	710935.84	1164162.47
C	710940.57	1164210.64	CC	710955.57	1164145.53
D	710921.46	1164227.26	DD	710979.01	1164172.85
E	711014.76	1164284.41	EE	710892.00	1164260.53
F	711037.85	1164322.32	FF	710919.53	1164292.95
G	710967.97	1164194.52	CONC PAD TABLE		
H	710965.33	1164191.52	POINT #	NORTHING	EASTING
I	710857.21	1164296.34	1	710948.52	1164154.22
J	710854.15	1164292.81	2	710943.97	1164158.12
K	710990.84	1164268.37	3	710955.36	1164148.36
L	710996.86	1164275.28	4	710970.17	1164165.63
M	710947.23	1164308.81	5	710969.69	1164179.21
N	710937.92	1164329.95	6	710963.62	1164184.42
O	710951.46	1164176.07			
P	710948.21	1164172.27			
Q	710908.12	1164291.47			
R	710904.78	1164287.76			
S	710916.32	1164182.84			

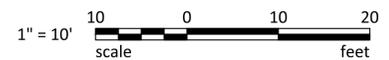


**NOTES:**

1. FINISH GRADE OF PAVEMENT RESTORATION MUST BE UNIFORMLY SLOPED BETWEEN SAW-CUT EDGES TO MAINTAIN EXISTING DRAINAGE PATTERNS. TOP OF REPLACEMENT PAVEMENT MUST BE FLUSH WITH TOP OF EXISTING PAVEMENT AT INTERFACE. APPLY JOINT SEALANT BETWEEN EXIST AND REPLACEMENT PAVEMENT.
2. THICKNESS OF HMA SURFACE RESTORATION MUST BE 8" MIN HMA OVER 12" MIN BASE COURSE OVER COMPACTED SUBGRADE. BASIS OF BID SHALL BE 8" FOR EXISTING HMA, BUT MATCH EXIST ASPHALT THICKNESS IF GREATER THAN 8". ALL THICKNESSES INDICATED ARE COMPACTED THICKNESS.
3. CONCRETE PADS FOR ELECTRICAL EQUIPMENT MUST BE 1'-0" THICK W/ 1'-6" THICKENED EDGE AND TOP LEVEL 6" ABOVE FINISH GRADE. CONCRETE PAD MUST BE REINFORCED WITH #4 BAR @ 12" OC EW LOCATED 3" FROM SURFACE. PLACE CONDUIT PRIOR TO POURING CONCRETE PAD.
4. CONCRETE PAD SIZE MAY VARY BASED ON EQUIPMENT PROCURED. EXTEND CONCRETE PAD 6" BEYOND PROCURED EQUIPMENT.
5. LOCATION OF VAULTS MAY VARY BASED ON CONTRACTORS UTILITY INVESTIGATION. ADJUST VAULTS AND CONDUIT AS REQUIRED TO CONNECT INTO EXISTING ELECTRICAL IN COORDINATION WITH THE ENGINEER.
6. BACKFILL ABANDONED VAULTS WITH SAND. SAND MUST BE COMPACTED IN ABANDONED VAULTS. BACKFILL ABOVE ABANDONED VAULTS WITH EXCESS SUITABLE EXCAVATED MATERIAL AND/OR STRUCTURAL FILL MATERIAL TO TOP OF SUBGRADE.
7. REPLACE EXISTING STRIPING REMOVED BY CONSTRUCTION ACTIVITIES.
8. PLACE AND COMPACT TO 95% A MINIMUM OF 6-INCH TO 8-INCH THICKNESS OF GRAVEL BACKFILL FOR FOUNDATIONS UNDER ALL ELECTRICAL STRUCTURES. CREATE A LEVEL AND UNIFORM SURFACE FOR PLACEMENT OF PRECAST CONCRETE

**LEGEND**

- HMA PAVING
- BOLLARD WITH INTERMEDIATE RAIL
- CHAINLINK FENCING
- SINGLE SWING GATE
- DOUBLE SWING GATE



**PLAN - SUBSTATION #1 - PAVING, STRIPING, FENCING**  
SCALE: 1" = 10'

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CE 12/22/25

CHECKED BY: JV

DATE: 12/22/25

PROJ. ENGR: USSM133814 Dec 22, 2025

DATE: 12/22/25

APPR: JIV

APPROVED:

CHKDATE: JIV

DATE: 12/22/25

PROJ. ENGR: USSM133814 Dec 22, 2025

DATE: 12/22/25

APPR: JIV

REVISION: 1

MARK: 1

ADDENDUM #3

PORT OF TACOMA

WEST SITCUM MAIN SUBSTATIONS REPLACEMENT

SITE PLAN SUBSTATION #1

TOWNSHIP: 21

RANGE: 3

SECTION: 34

NO. TIDAL (MILLW=0.0)

DATE-HRZ: NAD 83-07

VERT: AS SHOWN

DRAWING SCALE: AS SHOWN

**C3.0**

9 OF 28

CONTR/CONS: 100% DESIGN SUBMITTAL PARCEL

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CONDUIT AND CONDUCTOR SCHEDULE

Table with columns: CIRCUIT ID, CONDUIT (NO., SIZE, TYPE), CONDUCTORS PER CONDUIT (NO., SIZE, TYPE), FROM, TO, REMARKS. Rows include TPU1-TPU6, RP1-RP9, SD1-SD28.

SCHEDULE ABBREVIATION LEGEND:

- SD = SECONDARY 600V DISTRIBUTION
SDV = SECONDARY POWER VAULT
RP = REEFER POWER DISTRIBUTION
SP = SPARE CONDUIT
TPU = TACOMA PUBLIC UTILITIES

SCHEDULE NOTES:

- 1 RED DYE CONCRETE ENCASE.
2 PVC SCHEDULE 80.
3 13.8KV CABLE FOR TPU.
4 PVC COATED GRS CONDUIT.
5 PROVIDE WATERTIGHT SPLICING OF NEW AND EXISTING CONDUCTORS WITHIN VAULT.

PROVIDE LABELING PER SPECIFICATION SECTION 26 05 53
CABLE TIE HOLES, TYPICAL OF FOUR (4)

- SOURCE POINT (I.E. SWITCH #, PANEL/ CIRCUIT #, LIGHTING CONTROL CIRCUIT, ETC.)
END POINT (I.E. LIGHT POLE #, WOOD POLE #, UNIT SUB, ETC.)

CONDUCTOR IDENTIFICATION LABEL
NOT TO SCALE



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Project information block including: E6.0 28 OF 28, WEST SITCUM MAIN SUBSTATIONS REPLACEMENT, CONDUIT AND CONDUCTOR SCHEDULE, APPROVED: SH 8/26/25, CHECKED BY: SK 8/26/25, PROJECT: Scotik Dec 22, 2025, PORT ADDRESS: 1675 W LINCOLN AVE. TACOMA, WA 98421-2300, CROSS ENGINEERS, INC., and various revision and date fields.

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