

PORT OF TACOMA

WEST SITCUM TERMINAL 11TH STREET IMPROVEMENTS PROJECT ID NO. 201218.01 PURCHASE AGREEMENT # PA000000123

SDEV25-0257

PORT COMMISSIONERS:

RICHARD P. MARZANO
JT WILCOX
JOHN MCCARTHY
KRISTIN ANG
DEANNA KELLER

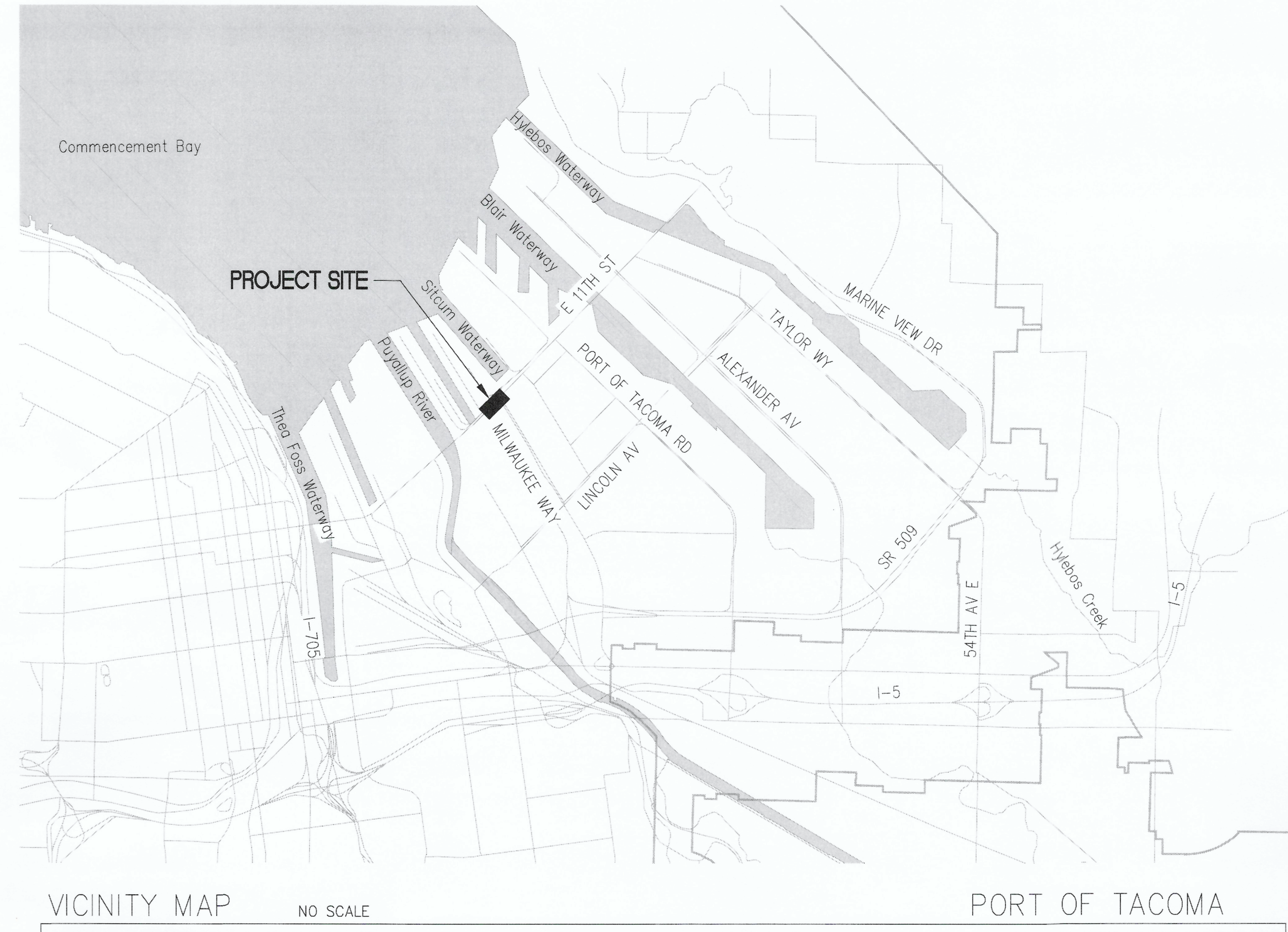
PORT STAFF:

JOHN WOLFE
NWSA Chief Executive Officer

THAIS HOWARD, P.E.
Sr. Director, Engineering

STAN RYTER, P.E., P.M.P.
Director, Engineering
Project Management

MARCUS VAN VALEN
Project Manager



VICINITY MAP NO SCALE

PORT OF TACOMA

PROJECT INFORMATION:

SITE ADDRESS: E. 11TH ST AND MILWAUKEE WAY
SITE PARCEL: N/A
PROPERTY OWNER: VACATED RIGHT-OF-WAY
PORT OF TACOMA
902 PORT OF TACOMA ROAD
TACOMA, WA

ZONING: PMI; PORT MARITIME & INDUSTRIAL DISTRICT
SCOPE OF WORK: PARTIALLY RESURFACE PROPERTY
YARD.
TOTAL PARCEL AREA: 75,500 SF (1.73 ACRES)
NEW IMPERVIOUS SURFACE: 6,160 S.F.
REPLACED IMPERVIOUS SURFACE: 2,290 S.F.
ESTIMATED EARTHWORK: 300± CY GROSS CUT/FILL (0± NET)
FLOOD ZONE (AT PROJECT SITE): ZONE X: AREA OF MINIMAL FLOOD HAZARD

INDEX OF DRAWINGS

- G1.0 TITLE SHEET
- SV1.0 COMPOSITE EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL
- SV1.1 EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL
- SV1.2 EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL
- D1.0 DEMOLITION AND TESC PLAN
- D1.1 DEMOLITION AND TESC NOTES AND DETAILS
- C1.0 SITE PLAN
- C1.1 SITE SURFACING NOTES AND DETAILS
- C2.0 GRADING AND DRAINAGE PLAN
- C2.1 GRADING AND DRAINAGE NOTES AND DETAILS
- E0.0 SYMBOLS AND ABBREVIATIONS
- E1.0 POWER PLAN
- E2.0 PHOTOMETRICS
- E3.0 HANDHOLE AND TRENCH DETAILS
- E4.0 PANEL AND POLE DETAILS

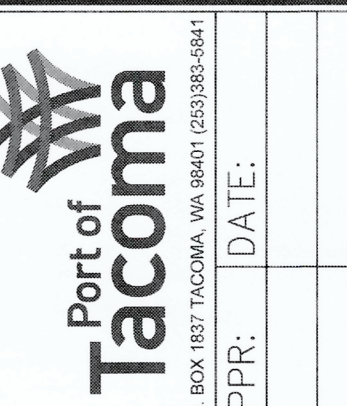


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4815 CENTER STREET | TACOMA, WA. 98409
PHONE: (253) 474-9449 | FAX: (253) 474-0153
<http://www.sittshill.com/>
Contact: Don Davis, P.E.
Email: dond@sittshill.com

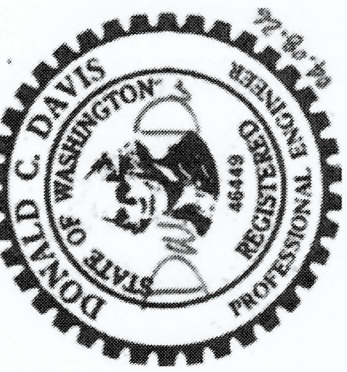


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PHONE: (253) 474-9449 | www.sittshill.com

Project No.: 20,755 Project Mgr.: DCD
Proj. Engineer: DKM Proj. Drafter: DKM



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| CHECKED BY: | DATE: |
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|------------------------|-------------------|
| DIRECTOR ENG. DATE: | PROJ. ENGR. DATE: |
| Don Davis Apr 13, 2026 | |

APPROVED: *Don Davis*

PRINTED BY: Don Davis Apr 13, 2026

PORT ADDRESS: E. 11TH ST & MILWAUKEE WAY

TACOMA, WA 98401-1837

DRAWING SCALE: AS NOTED

TOWNSHIP: 21

RANGE: 03

SECTION: 34

DATE-HRZ: WA83-SF

VERT: MLLW 19.18' @ Tide 22 1933

PARCEL:

PHASE: BID

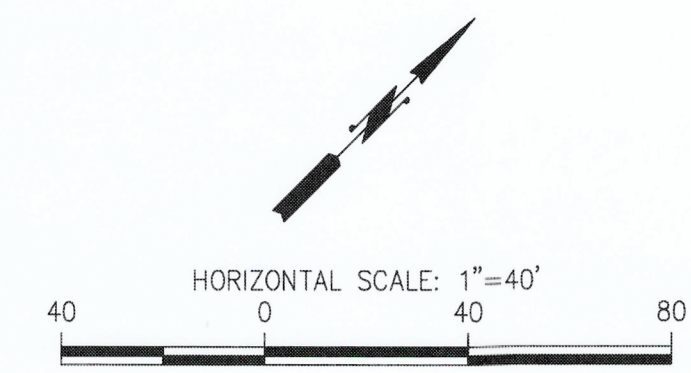
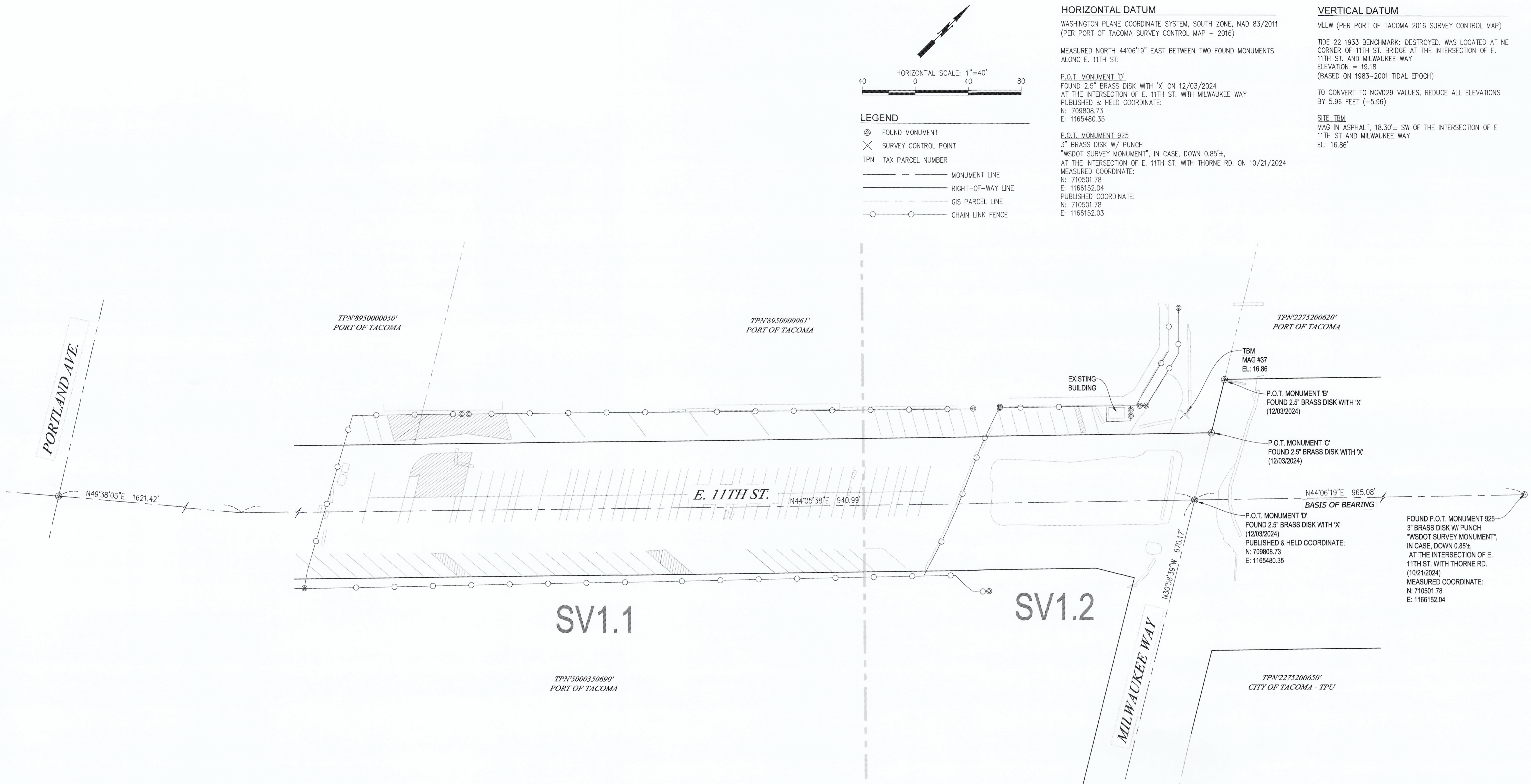
6724

PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
COVER SHEET

SH #1 OF #15
G1.0

BINDING EDGE

PORT OF TACOMA FILE: N:\207000\20755\Drawings\20755 - SV1.0



- LEGEND**
- ⊙ FOUND MONUMENT
 - ✕ SURVEY CONTROL POINT
 - TPN TAX PARCEL NUMBER
 - MONUMENT LINE
 - RIGHT-OF-WAY LINE
 - GIS PARCEL LINE
 - CHAIN LINK FENCE

HORIZONTAL DATUM
 WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011
 (PER PORT OF TACOMA SURVEY CONTROL MAP - 2016)

MEASURED NORTH 44°06'19" EAST BETWEEN TWO FOUND MONUMENTS
 ALONG E. 11TH ST.

P.O.T. MONUMENT 'D'
 FOUND 2.5" BRASS DISK WITH 'X' ON 12/03/2024
 AT THE INTERSECTION OF E. 11TH ST. WITH MILWAUKEE WAY
 PUBLISHED & HELD COORDINATE:
 N: 709808.73
 E: 1165480.35

P.O.T. MONUMENT '925'
 3" BRASS DISK W/ PUNCH
 "WSDOT SURVEY MONUMENT", IN CASE, DOWN 0.85'±,
 AT THE INTERSECTION OF E. 11TH ST. WITH THORNE RD. ON 10/21/2024
 MEASURED COORDINATE:
 N: 710501.78
 E: 1166152.04
 PUBLISHED COORDINATE:
 N: 710501.78
 E: 1166152.03

VERTICAL DATUM
 MLLW (PER PORT OF TACOMA 2016 SURVEY CONTROL MAP)

TIDE 22 1933 BENCHMARK: DESTROYED. WAS LOCATED AT NE
 CORNER OF 11TH ST. BRIDGE AT THE INTERSECTION OF E.
 11TH ST. AND MILWAUKEE WAY
 ELEVATION = 19.18
 (BASED ON 1983-2001 TIDAL EPOCH)

TO CONVERT TO NGVD29 VALUES, REDUCE ALL ELEVATIONS
 BY 5.96 FEET (-5.96)

SITE TBM
 MAG IN ASPHALT, 18.30'± SW OF THE INTERSECTION OF E
 11TH ST AND MILWAUKEE WAY
 EL: 16.86'

NOTES

1. EQUIPMENT USED: CARLSON CR2+ ROBOTIC TOTAL STATION AND TOPCON HIPER VR RTK/GPS
2. THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE AND RELATIVE POSITIONAL ACCURACY STANDARDS CONTAINED IN W.A.C. 332-130-090. THE RELATIVE POSITIONAL ACCURACY OF THE POSITIONS LOCATED HEREON MEETS OR EXCEEDS 2 CM (0.07 FT.) PLUS 50 PARTS PER MILLION BETWEEN ANY TWO TESTED POSITIONS. ALL MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
3. IN ACCORDANCE WITH THE REVISED CODE OF WASHINGTON (R.C.W.) 58.09 AND THE WASHINGTON ADMINISTRATIVE CODE (W.A.C.) 332-130, THIS SURVEY MAY DEPICT OCCUPATIONAL INDICATORS THAT DIFFER FROM THE DEEDED LOT LINES. THESE INDICATORS, IF AT ALL PRESENT, MAY REPRESENT A POTENTIAL FOR CLAIMS OF UNWRITTEN TITLE. THIS SURVEY DOES NOT PURPORT TO RESOLVE SUCH ITEMS.
4. FIELD WORK PERFORMED IN DECEMBER 2024, UNDER SITTS & HILL PROJECT NUMBER 20755.

5. UTILITIES AS SHOWN HEREON ARE BASED ON FIELD SURVEY OBSERVATION OF UTILITY LOCATE SERVICES PERFORMED BY MOUNTAIN VIEW LOCATING SERVICE IN DECEMBER 2024 FOR THIS SURVEY. THIS HAS BEEN SUPPLEMENTED BY PUBLIC RECORDS INFORMATION PROVIDED BY THE PORT OF TACOMA. RECORD UTILITY LINES SHOWN HEREON ARE DEPICTED WITH THE STANDARD LINETYPE WITH A "R" AS SHOWN IN THE LEGEND. UTILITIES OTHER THAN SHOWN MAY EXIST ON THE SITE. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR DOES CERTIFY THAT THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY AND PAINTED UTILITY LOCATE LINES. COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA IS CONSISTENT WITH QUALITY LEVEL B OF THE ASCE STANDARD GUIDELINES 38-02.
6. THIS SURVEY COMPLIES WITH W.A.C. 332-130-145. THE CONTOURS DEPICTED HEREON ARE BASED ON DATA FROM DIRECT FIELD MEASUREMENTS. SPOT ELEVATIONS ARE BASED ON DIRECT FIELD MEASUREMENTS AND ARE DEPICTED FOR REFERENCE. THE PURPOSE OF THIS TOPOGRAPHIC MAP IS TO SERVE AS A BASE MAP FOR CONTEMPLATED SITE IMPROVEMENTS AND DESIGN. THIS TOPOGRAPHIC SURVEY MAP HAS BEEN DEVELOPED FROM A BODY OF FIELD COLLECTED DATA POINTS AND RECORD INFORMATION, AS NOTED. NOT ALL UNDERLYING DATA POINTS EXISTING WITHIN THE CAD BASE DRAWING (AUTODESK CIVIL 3D FILE) ARE DEPICTED ON THE PDF DELIVERABLE. SEE THE DIGITAL CAD FILE FOR ALL FIELD COLLECTED DATA, AND CONTACT SITTS & HILL ENGINEERS IF THERE ARE ISSUES WITH MAKING THIS DATA VISIBLE.

sh sitts & hill
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 4815 CENTER STREET | TACOMA, WA 98409
 PHONE (253) 474-9449 | www.sittshill.com

| | | | |
|-----------------|--------|----------------|-----|
| Project No.: | 20,755 | Project Mgr.: | DDC |
| Proj. Engineer: | DKM | Proj. Drafter: | DKM |

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (253) 835-5441

DATE: _____
 APPR: _____
 BY: _____
 REVISION: _____
 MARK: _____

APPROVED: _____
 DIRECTOR ENGR. DATE: _____

CHECKED BY: _____ DATE: _____
 PROJ. ENGR. DATE: _____
 PRINTED BY: Don Davis Apr. 13, 2026
 PORT ADDRESS: E. 11TH ST. & MILWAUKEE WAY
 TACOMA, WA 98401-1837

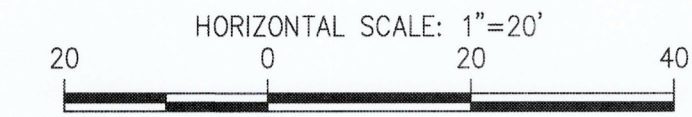
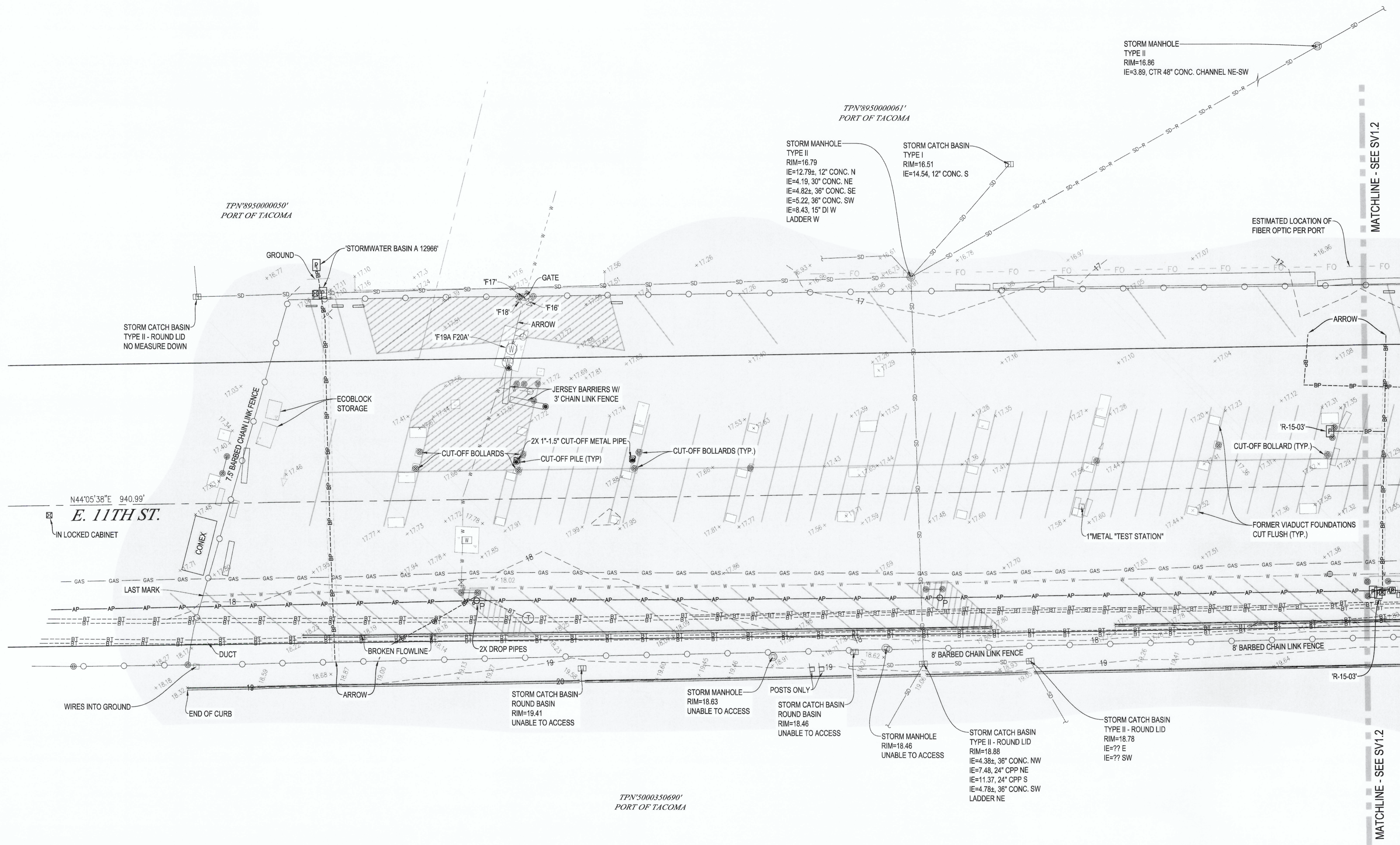
PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
 EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL

TOWNSHIP: 21 SECTION: 34
 RANGE: 03
 DATE-HRZ: WA83-SF
 TIDE: 22 1933
 DRAWING SCALE: AS NOTED

CONT/CONS: PA00000123
 M. ID: 201218.01
 PHASE: BID

6724
SV1.0
 SH #2 OF #15

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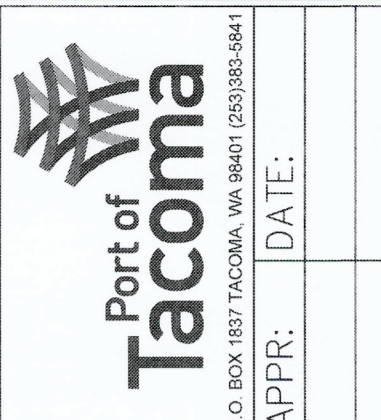
- LEGEND**
- ⊗ FOUND MONUMENT
 - ⊗ SURVEY CONTROL POINT
 - ⊙ SANITARY SEWER MANHOLE
 - UTILITY CLEAN OUT
 - ⊕ STORM MANHOLE
 - ⊕ STORM CATCH BASIN
 - STORM CULVERT
 - ⊕ WATER MANHOLE
 - ⊗ WATER VALVE
 - ⊕ FIRE HYDRANT
 - ⊕ WATER VAULT
 - ⊕ FIRE DEPARTMENT CONNECTION
 - ⊕ WATER BLOW OFF
 - ⊕ GAS VALVE
 - ⊕ POWER METER
 - ⊕ POWER CABINET
 - ⊕ UTILITY POLE
 - ⊕ UTILITY POLE WITH DROP(S)
 - ⊕ GUY ANCHOR
 - ⊕ JUNCTION BOX
 - ⊕ HAND HOLE
 - ⊕ POWER MANHOLE
 - ⊕ TELECOM RISER
 - ⊕ TELECOM MANHOLE
 - ⊕ UTILITY VAULT
 - ⊕ CONDUIT/PIPE
 - ⊕ PILE
 - ⊕ BOLLARD
 - ⊕ SIGN
 - ⊕ POTHOLE
 - TPN TAX PARCEL NUMBER

- MONUMENT LINE
- RIGHT-OF-WAY LINE
- GIS PARCEL LINE
- SD — STORM DRAIN LINE
- SD-R — RECORD STORM LINE
- SS — SS — SANITARY SEWER LINE
- W — W — BURIED WATER LINE
- GAS — GAS — BURIED GAS LINE
- BP — BP — BURIED POWER LINE
- AP — AP — OVERHEAD POWER LINE
- BT — BT — BURIED TELECOM LINE
- ○ — CHAIN LINK FENCE
- |||| — RAILROAD TRACKS
- - - - - UTILITY PATCH LINE
- ▭ EXISTING ASPHALT SURFACE
- ▭ EXISTING CONCRETE SURFACE
- ▭ EXISTING GRAVEL SURFACE

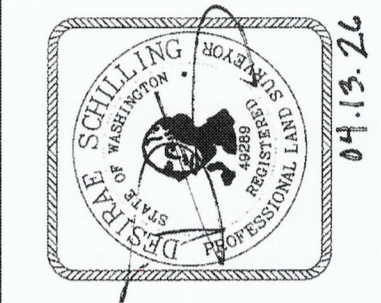
811 Call 811
two business days
before you dig



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|-----------------|--------|----------------|-----|
| Project No.: | 20,755 | Project Mgr.: | DCD |
| Proj. Engineer: | DKM | Proj. Drafter: | DKM |



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APPROVED: *Don Davis*
DIRECTOR ENGR. DATE: Apr 13, 2026
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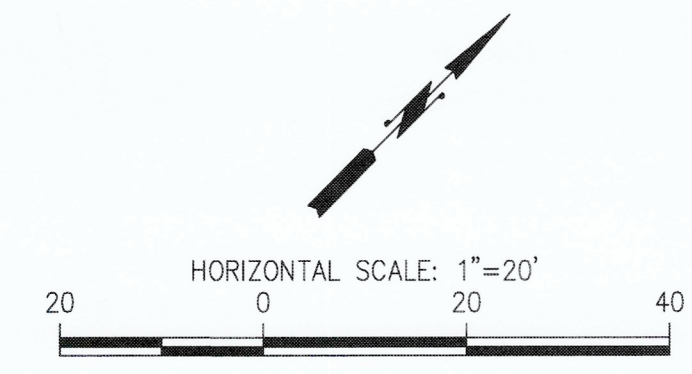
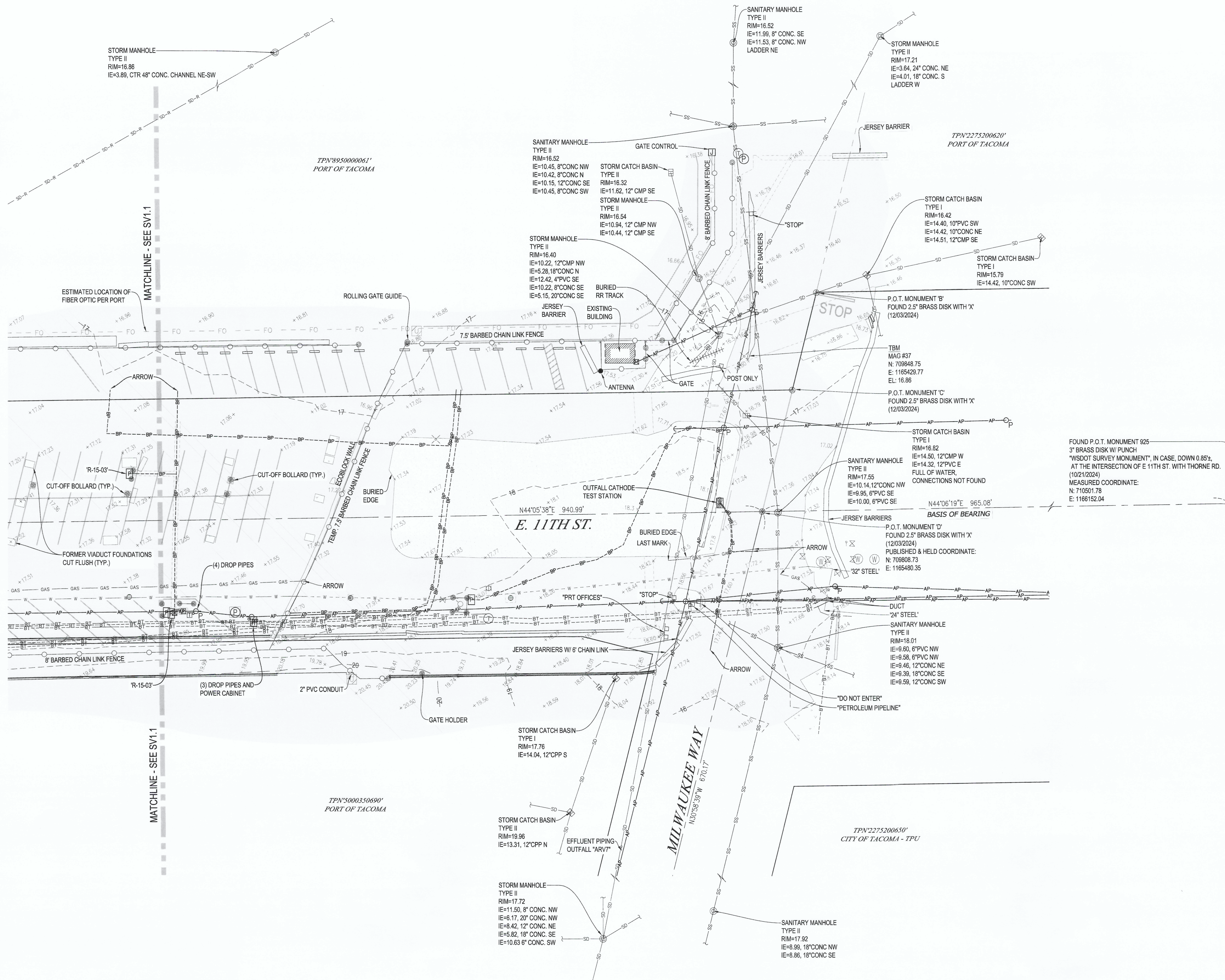
**PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL**

TOWNSHIP: 21 RANGE: 03 SECTION: 34
M. ID: 201218.01 DAT-HRZ: WA83-SF VERT: MLLW 19.18' @ Tide 22 19.33
PARCEL: DRAWING SCALE: AS NOTED

6724
SV1.1
SH #3 OF #15

CONT./CONS: PA000000123
M. ID: 201218.01
PHASE: BID

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- LEGEND**
- FOUND MONUMENT
 - × SURVEY CONTROL POINT
 - ⊙ SANITARY SEWER MANHOLE
 - ⊙ UTILITY CLEAN OUT
 - ⊙ STORM MANHOLE
 - ⊙ STORM CATCH BASIN
 - ⊙ STORM CULVERT
 - ⊙ WATER MANHOLE
 - ⊙ WATER VALVE
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 BT-BT BURIED TELECOM LINE
 ○ CHAIN LINK FENCE
 RAILROAD TRACKS
 UTILITY PATCH LINE
- EXISTING ASPHALT SURFACE
 EXISTING CONCRETE SURFACE
 EXISTING GRAVEL SURFACE

Port of Tacoma
P.O. BOX 887 TACOMA, WA 98401 (206)861-9601

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 BY: _____
 MARK: _____ REVISION: _____

04.15.24

CHECKED BY: _____ DATE: _____
 PROJECT ENGR: _____ DATE: _____
 DIRECTOR: *John H. ...* DATE: _____
 PRINTED BY: Don Davis Apr 13, 2026
 PORT ADDRESS: E. 11TH ST. & MILWAUKEE WAY
 TACOMA, WA 98401-1837

APPROVED:

**PORT OF TACOMA WEST SITCUM TERMINAL
 11TH STREET IMPROVEMENTS
 EXISTING TOPOGRAPHIC SURVEY AND SITE DETAIL**

RANGE: 03 SECTION: 34
 TOWNSHIP: 21 M.L.W. 19.18' @ Tide 22.19.33
 DAT-HRZ: WA83-SF VERT: _____
 PARCEL: _____ DRAWING SCALE: AS NOTED

6724

SV1.2
 SH # OF #15

CONT./CONS: PA00000123 TOWNSHIP: 21 RANGE: 03 SECTION: 34
 M. ID: 201218.01 DAT-HRZ: WA83-SF VERT: _____
 PHASE: BID PARCEL: _____ DRAWING SCALE: AS NOTED

811 Call 811
 two business days before you dig

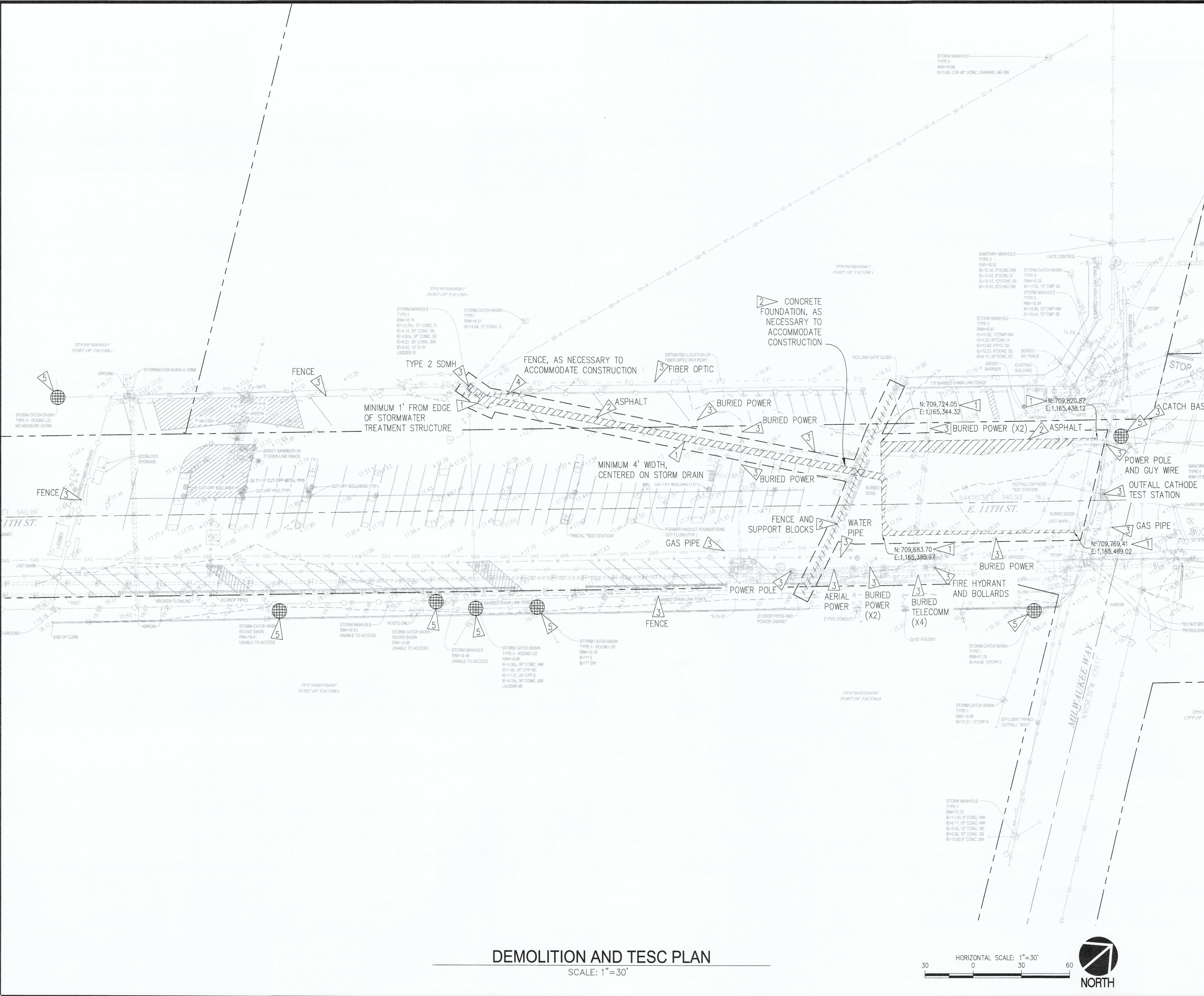
sh sits & hill
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Project No.: 20,755 Project Mgr.: DCD
 Proj. Engineer: DKM Proj. Drafter: DKM

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BINDING EDGE

PORT OF TACOMA FILE: N:\207000\20755\Drawings\20755 - D1.0



LEGEND

- PROPOSED FEATURES-**
- CATCH BASIN PROTECTION
 - SAWCUT
 - DEMOLITION
 - PROJECT CLEARING LIMITS
 - REMOVE FEATURE

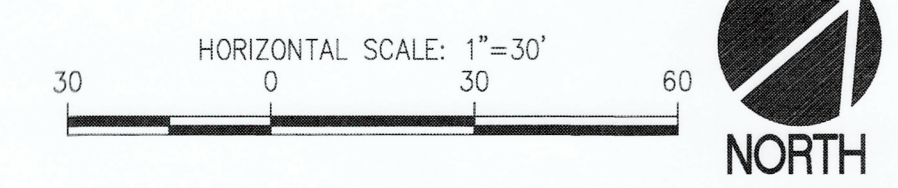
GENERAL NOTES

1. SEE SHEET D1.1 FOR GENERAL DEMOLITION NOTES.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS ENGINEERS, INC. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES AFFECTING WORK.
4. CONTRACTOR SHALL PROTECT UTILITIES ON-SITE NOT MARKED FOR REMOVAL AND REPAIR ANY DAMAGE AT NO COST.
5. DEMOLISHED FEATURES AND EXCAVATED MATERIAL SHALL BE LEGALLY DISPOSED OF AS DIRECTED BY PORT OF TACOMA.
6. ALL TEMPORARY INSTALLATIONS SHALL BE REMOVED AT THE END OF CONSTRUCTION.
7. CONTRACTOR RESPONSIBLE FOR MAINTAINING WORK AREA.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT TO PREVENT UTILITY INTERRUPTION.
9. COORDINATE ANY NECESSARY TEMPORARY MATERIAL STOCKPILE AREAS WITH PORT OF TACOMA. USE PLASTIC COVERING IN ACCORDANCE WITH DETAIL 2/D1.1 AS NECESSARY TO PREVENT SEDIMENTATION.

KEY NOTES

1. SAWCUT TO FULL DEPTH AND REMOVE ASPHALT.
2. DEMOLISH FEATURE AS NOTED.
3. PROTECT FEATURE AS NOTED.
4. CAREFULLY REMOVE EXISTING FEATURE AS NOTED. SALVAGE FOR REINSTALLATION ON THIS PROJECT AS APPLICABLE.
5. INSTALL CATCH BASIN PROTECTION PER DETAIL 1/D1.1.

DEMOLITION AND TESC PLAN
SCALE: 1"=30'



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6724
D1.0
SH #5 OF #15

CONTR/CONS: PA00000123 TOWNSHIP: 21 RANGE: 03 SECTION: 34
M. ID: 201218.01 DATE: MLLW 19.18' @ THE 22 19.33
PHASE: BID DRAWING SCALE: AS NOTED

**PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
DEMOLITION AND TESC PLAN**

APPROVED: *[Signature]*
DIRECTOR ENGR. DATE: PROJ. ENGR. DATE: Apr. 13, 2026
PORT ADDRESS: 11TH ST & MILWAUKEE WAY
TACOMA, WA 98401-1837

MARK: REVISION: BY: DATE: APPR: DATE:

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (253)835-5841

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CITY OF TACOMA STANDARD NOTES FOR TESC PLANS

- THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND THE ENTIRE SITE IS STABILIZED.
 - THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE MARKING 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 CESCL, CPESC, OR ESC LEAD SHALL BE IDENTIFIED IN THE SWPPP AND SHALL BE ONSITE OR ON-CALL AT ALL TIMES.
 - THE CESCL, CPESC, OR ESC LEAD MUST BE KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL AND HAVE THE SKILLS TO ASSESS:
 - SITE CONDITIONS AND CONSTRUCTION ACTIVITIES THAT COULD IMPACT THE QUALITY OF STORMWATER.
 - EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES USED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES.
 - THE CESCL, CPESC, OR ESC LEAD MUST EXAMINE STORMWATER VISUALLY FOR THE PRESENCE OF SUSPENDED SEDIMENT, TURBIDITY, DISCOLORATION, AND OIL SHEEN AND EVALUATE THE EFFECTIVENESS OF BMPs TO DETERMINE IF IT IS NECESSARY TO INSTALL, MAINTAIN, OR REPAIR BMPs.
 - THE CESCL, CPESC, OR ESC LEAD MUST INSPECT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, ALL BMPs, AND ALL STORMWATER DISCHARGE POINTS AT LEAST ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS OF ANY DISCHARGE FROM THE SITE. (INDIVIDUAL DISCHARGE EVENTS THAT LAST MORE THAN ONE DAY DO NOT REQUIRE DAILY INSPECTIONS). THE CESCL OR INSPECTOR MAY REDUCE THE INSPECTION FREQUENCY FOR TEMPORARY STABILIZED, INACTIVE SITES TO ONCE EVERY CALENDAR MONTH.
 - CONSTRUCTION SITE OPERATORS MUST CORRECT ANY PROBLEMS IDENTIFIED BY THE CESCL, CPESC, OR ESC LEAD BY:
 - REVIEWING THE SWPPP FOR COMPLIANCE WITH THE 13 CONSTRUCTION SWPPP ELEMENTS AND MAKING APPROPRIATE REVISIONS WITHIN 7 DAYS OF THE INSPECTION.
 - FULLY IMPLEMENT AND MAINTAIN APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPs AS SOON AS POSSIBLE BUT CORRECTING THE PROBLEM WITHIN 10 DAYS.
 - DOCUMENTING BMP IMPLEMENTATION AND MAINTENANCE IN THE SITE LOG BOOK. (REQUIRED FOR SITES LARGER THAN 1 ACRE BUT RECOMMENDED FOR ALL SITES).
- SAMPLING AND ANALYSIS OF THE STORMWATER DISCHARGES FROM A CONSTRUCTION SITE MAY BE NECESSARY ON A CASE-BY-CASE BASIS TO ENSURE COMPLIANCE WITH STANDARDS. ECOLOGY OR THE CITY WILL ESTABLISH THESE MONITORING AND ASSOCIATED REPORTING REQUIREMENTS.
- 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.

DEFINITIONS

DEMOLISH: CAREFULLY REMOVE EXISTING ITEM AS INDICATED AND LEGALLY DISPOSE OF SAME OFFSITE.

REUSE/RELOCATE: CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, TEMPORARILY STORE (IF NECESSARY) AND PROTECT (FOR REINSTALLATION, INTACT, AS INDICATED).

SALVAGE: CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, AND DELIVER TO OWNER/OTHER, INTACT, AS INSTRUCTED.

PROTECT: LEAVE EXISTING ITEM IN PLACE, INTACT, AS INDICATED, AND PROTECT FROM DAMAGE. THIS IS PART OF EXISTING-TO-REMAIN AND IS SPECIFICALLY NOTED ONLY FOR CLARIFICATION PURPOSES.

NOTE: THE CONTRACTOR SHALL VISIT THE SITE TO PERFORM A THOROUGH WALK THROUGH TO EXAMINE ALL ITEMS TO BE "DEMOLISHED," "REUSE/RELOCATED," "SALVAGED" OR "SAVED". ALL ITEMS SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF WORK AND BID.

DEMOLITION NOTES

- REMOVE ALL DELETERIOUS MATERIAL FOUND ON-SITE INCLUDING VEGETATION, SCRAP WOOD, TRASH, ETC. AND DISPOSE OF AT AN APPROVED OFF-SITE LOCATION.
- AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SIGNS, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE CONTINUOUS PROTECTION OF THE PUBLIC AND TO PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA. AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH. COORDINATE SAFETY AND SECURITY MEASURES WITH ADJACENT WORK.
- PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY AND STATE AND LOCAL REQUIREMENTS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS.
- ALL AREAS TO BE GRADED SHALL BE CLEARED OF SURFACE DELETERIOUS MATTER INCLUDING ANY DEBRIS, TREES AND ASSOCIATED STUMPS/ROOTS AND UNDERBRUSH.

STOCKPILE NOTES

- STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
- IN ANY SEASON, SEDIMENT LEACHING FROM STOCK PILES MUST BE PREVENTED.
- TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

PLASTIC COVERING NOTES

- PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS SECTION 9-14.5(3).
- COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 12-INCH OVERLAP OF ALL SEAMS.
- CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS.
- PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.

POLLUTION PREVENTION NOTES

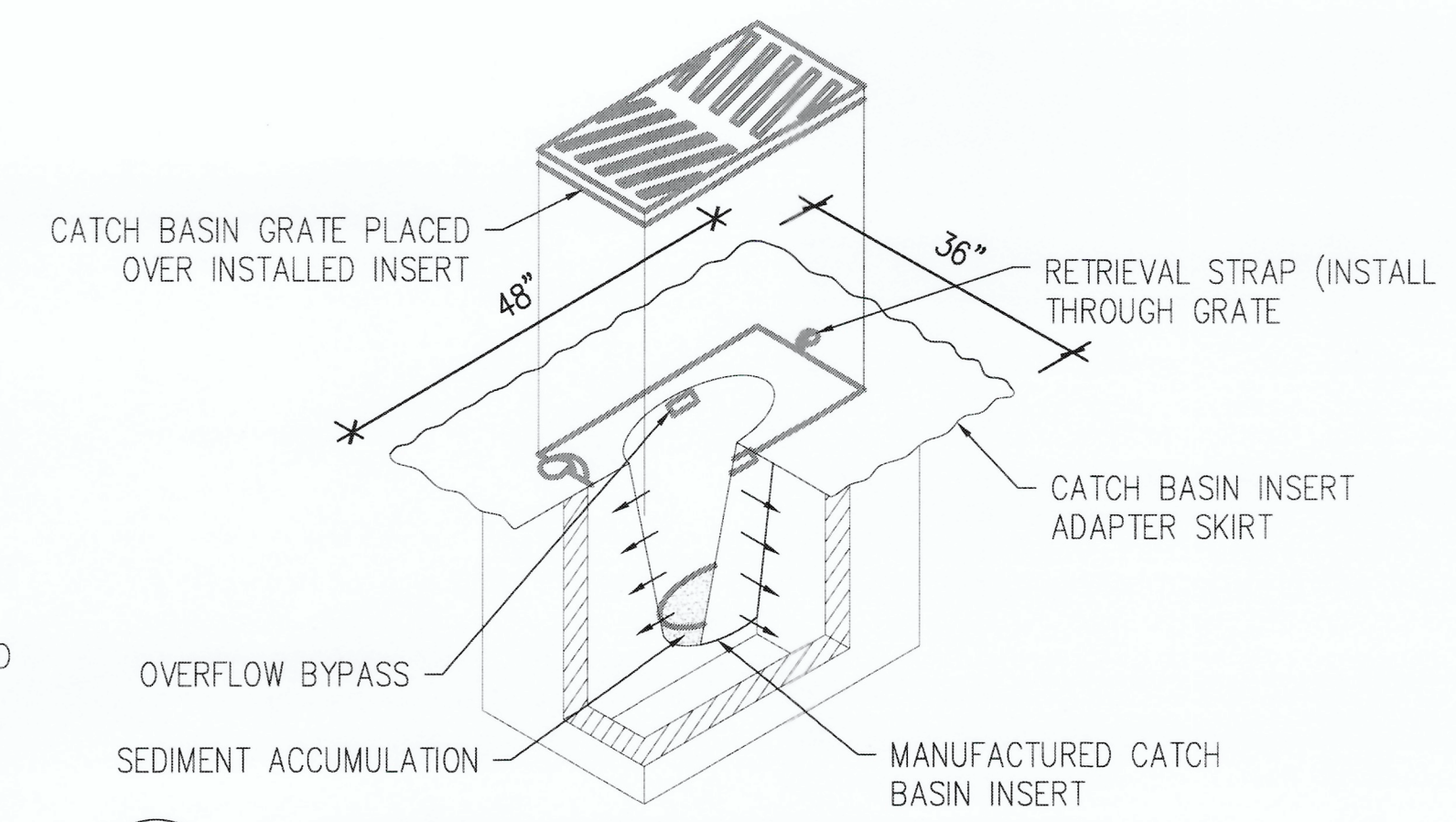
- EQUIPMENT LUBRICATION AND FUELING OPERATIONS SHALL OCCUR AT APPROVED LOCATIONS.
- PREVENT OILS AND FUELS FROM ENTERING THE STORM DRAINAGE SYSTEM WITH PROPER CONTAINMENT DEVICES.
- ACCESS TO CONSTRUCTION IS VIA ADJACENT EXISTING PAVED STREETS. SWEEP DIRT FROM PAVING DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT AND DEBRIS FROM VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON CITY STREET PAVEMENT.
- SPILL CLEANUP PROCEDURES SHALL BE POSTED ON-SITE. IN CASE OF A SPILL THAT MAY ENTER GROUNDWATER, SURFACE WATER, OR STORM DRAIN SYSTEM, CONTACT THE DIVISION OF EMERGENCY MANAGEMENT AT (800) 258-5990. SPILLS SHALL BE CLEANED UP IMMEDIATELY AND CONTAMINATED MATERIAL DISPOSED OF PROPERLY.
- THE CONTRACTOR SHALL PREVENT ALL MATERIAL USED OR GENERATED ON-SITE FROM ENTERING THE STORM DRAINAGE SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE CONTAINMENT/SEPARATION ALL TIMES. ALL STORMWATER POLLUTION PREVENTION MEASURES SHALL BE COORDINATED WITH ENGINEER REPRESENTATIVE TO ENSURE COMPLIANCE WITH APPLICABLE STORMWATER PERMITS. CONTACT ANITA FICHTHORN AT (253) 830-5379 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL CONDUCT A DAILY STORMWATER / ENVIRONMENTAL INSPECTION OF THE CONSTRUCTION SITE. SCOPE OF THE INSPECTION WILL BE COORDINATED WITH THE ENGINEER REPRESENTATIVE CONTACT ANITA FICHTHORN AT (253) 830-5379.
- THE CONTRACTOR SHALL FOLLOW ALL ENVIRONMENTAL AND OTHER REQUIREMENTS AS DEFINED IN THE PROJECT SWPPP.
- THE CONTRACTOR SHALL SUBMIT DOCUMENTATION SUPPORTING THE CURRENT CERTIFICATION OF THE CONTRACTOR'S DESIGNATED CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL). THE DOCUMENT SHALL CONTAIN AT A MINIMUM THE FOLLOWING INFORMATION: NAME, CESCL NUMBER, AND EXPIRATION DATE.
- THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A SAMPLE OF THE SITE LOG BOOK TO BE USED ON THE PROJECT FOR MAINTAINING EROSION CONTROL INSPECTION, OBSERVATION, CHECKLIST, AND CORRECTION REPORTS. UPON APPROVAL THE CONTRACTOR SHALL KEEP AND MAINTAIN THE SITE LOG BOOK ON-SITE DURING CONSTRUCTION.
- CHECKLIST AND MAINTENANCE INFORMATION SHALL BE KEPT IN THE SITE LOG BOOK (MAINTAINED BY THE CESCL DESIGNATED BY THE CONTRACTOR) AND BE AVAILABLE FOR REVIEW BY THE ENGINEER AND/OR GOVERNING AGENCY.
- THE CONTRACTOR SHALL SUBMIT A COPY OF ALL RECENT INSPECTION, OBSERVATION, CHECKLIST, AND CORRECTION REPORTS TO THE ENGINEER.

CATCH BASIN PROTECTION NOTES

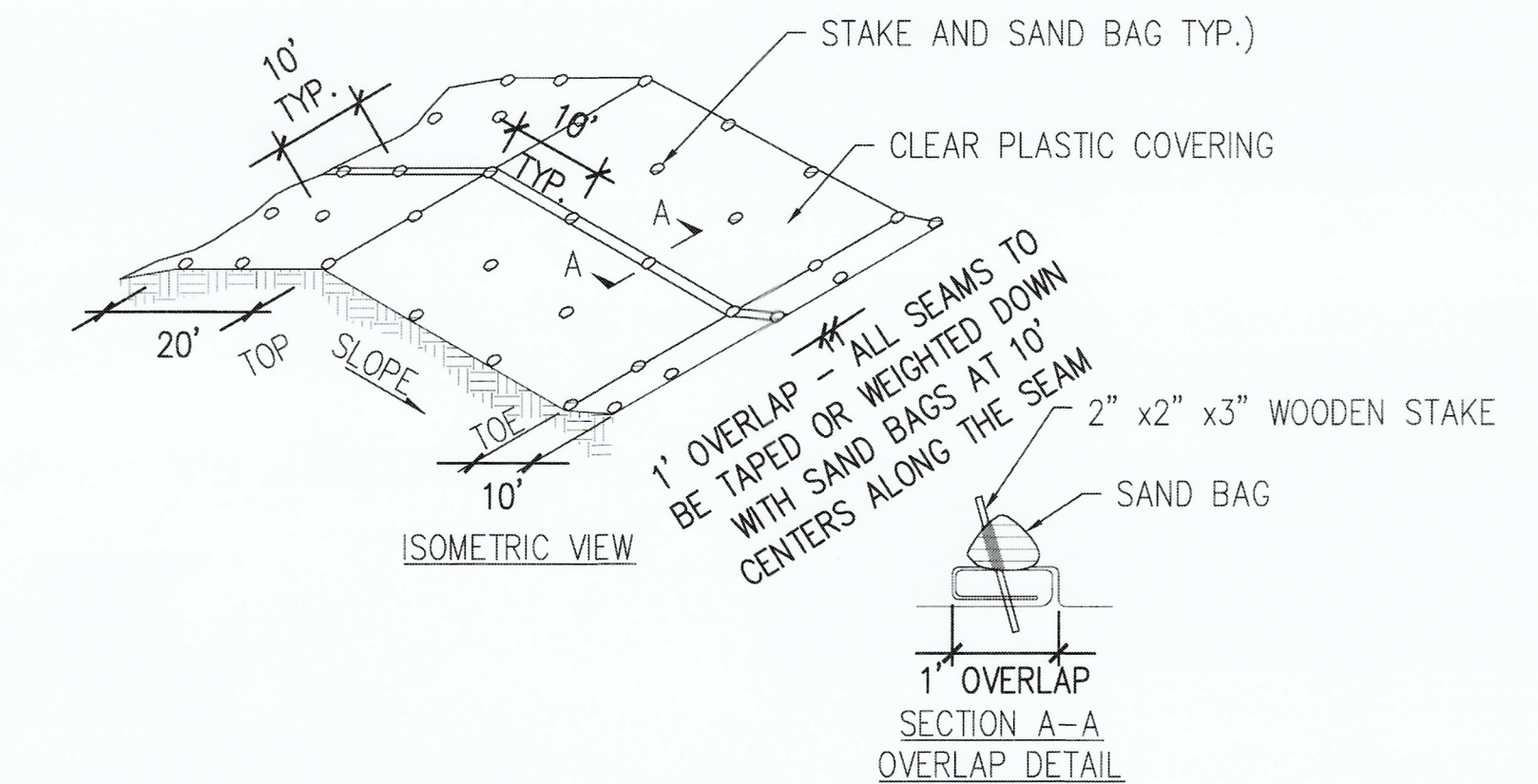
- CATCH BASIN INSERTS SHALL BE PROVIDED IN THE CATCH BASINS NOTED ON THE PLANS.
- AT ALL PROPOSED CATCH BASINS, CATCH BASIN PROTECTION SHALL BE INSTALLED IMMEDIATELY UPON CATCH BASIN INSTALLATION AND SHALL REMAIN UNTIL FINAL SITE STABILIZATION.
- CATCH BASIN INSERT SHALL BE BOWHEAD STREAMGUARD CATCH BASIN INSERT #3003, ADVANCED ENVIRONMENTAL SOLUTIONS DRAINGUARD CATCH BASIN FILTER INSERT #11091U, OR APPROVED EQUAL.
- CATCH BASIN INSERTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CATCH BASIN INSERTS SHALL BE REMOVED FOLLOWING COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL CLEARED AREAS.

CONTRACTOR TESC AND SWPPP RESPONSIBILITIES

- THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER PROVISIONS OF THE NPDES CONSTRUCTION STORMWATER PERMIT. UPON EXECUTION OF THIS CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STORMWATER ACTIVITIES ASSOCIATED WITH THIS PROJECT FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ALSO PROVIDE THE REQUIRED CERTIFIED PERSONNEL TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED SOURCE CONTROL MEASURES, BEST MANAGEMENT PRACTICES (BMP'S), AND STORMWATER TREATMENT MEASURES SUCH THAT THE STORMWATER DISCHARGE FROM THE SITE COMPLIES WITH THE CONSTRUCTION STORMWATER PROVISIONS OF THE CONSTRUCTION STORMWATER NPDES PERMIT. THIS INCLUDES EXECUTION OF THE STORMWATER POLLUTION PREVENTION PLAN, SOURCE CONTROLS, BMP AND STORMWATER TREATMENT MEASURES, REQUIRED DEPARTMENT OF ECOLOGY INSPECTIONS, MONITORING, TESTING AND RECORD KEEPING, AND MAINTENANCE WORK AS REQUIRED TO ENSURE THAT ALL STORMWATER PROTECTION MEASURES REMAIN OPERATIONAL AND FUNCTIONAL.



1 CATCH BASIN PROTECTION SCALE: NTS



2 PLASTIC COVERINGS SCALE: NTS



P.O. BOX 1837 TACOMA, WA 98401 (253)830-5441

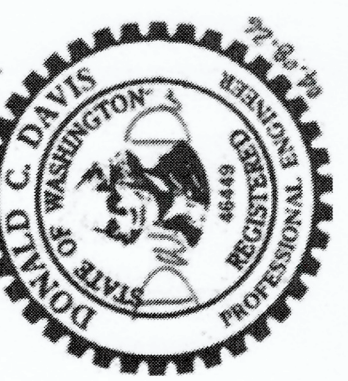
DATE: _____

APPR: _____

BY: _____

REVISION: _____

MARK: _____



CHECKED BY: _____ DATE: _____

PROJ. ENGR: _____ DATE: _____

DIRECTOR: _____ DATE: _____

PRINTED BY: DonDavis Apr 13, 2026

PORT ADDRESS: E. 11TH ST & MILWAUKEE WAY TACOMA, WA 98401-1837

APPROVED: *Don Davis*

DIRECTOR: _____

PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
DEMOLITION AND TESC NOTES AND DETAILS

TOWNSHIP: 21 RANGE: 03 SECTION: 34

DAT-HRZ: WAB3-SF VERT: MILLW 19.18' @ Tide 22 1933

PARCEL: _____ DRAWING SCALE: AS NOTED



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4815 CENTER STREET | TACOMA, WA 98403

PHONE: (253) 474-9449 | www.sitsandhill.com

Project No.: 20,755 Project Mgr.: DCD

Proj. Engineer: DKM Proj. Drafter: DKM

6724

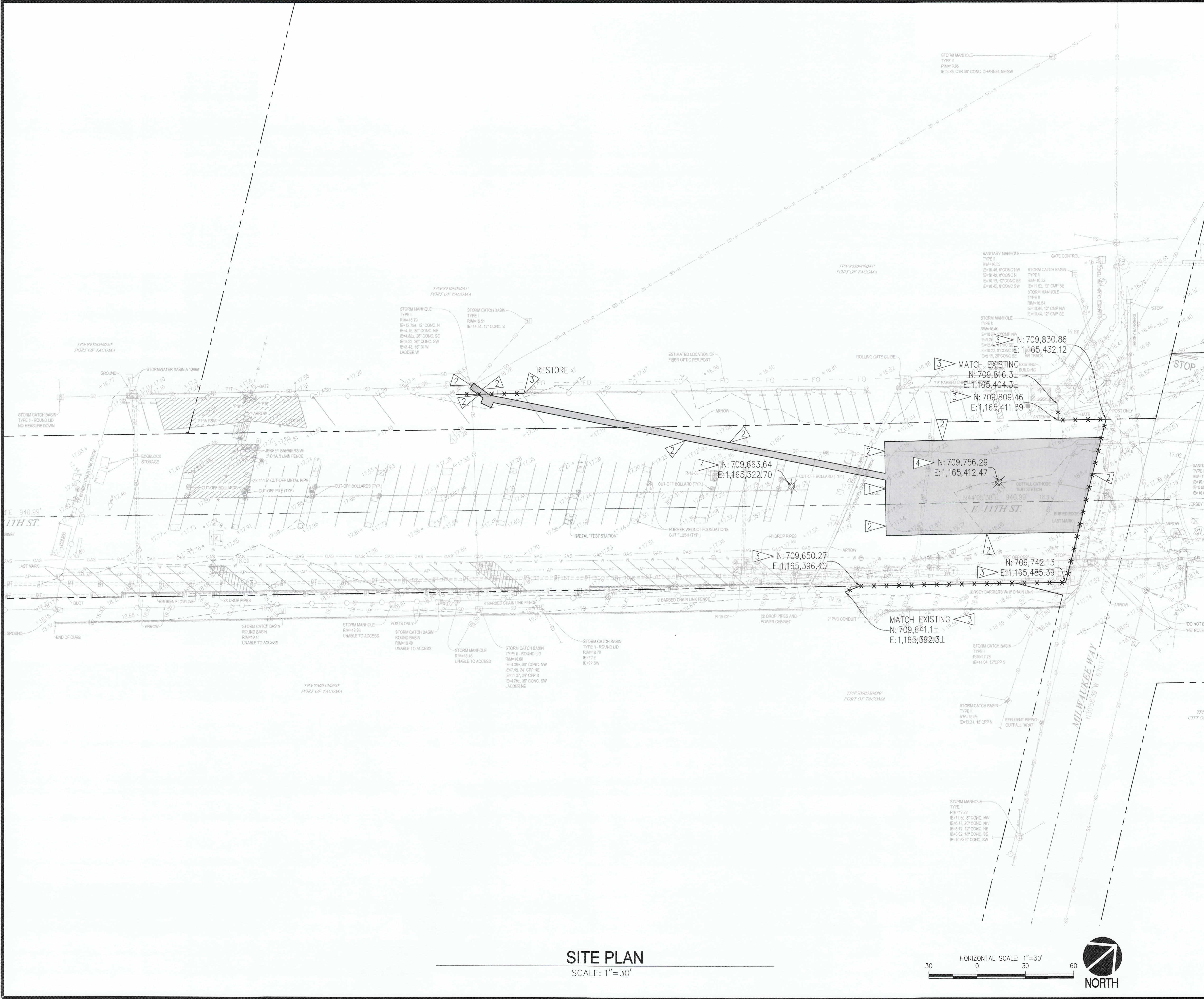
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SH #6 OF #15

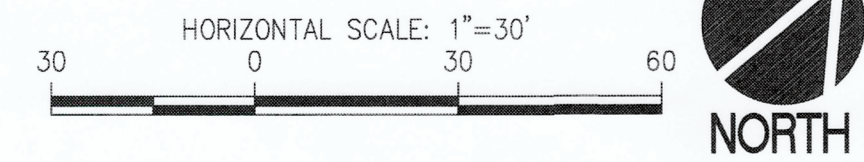
CONT/CONS: PA000000123

M. ID: 201218.01

PHASE: BID



SITE PLAN
SCALE: 1"=30'



LEGEND

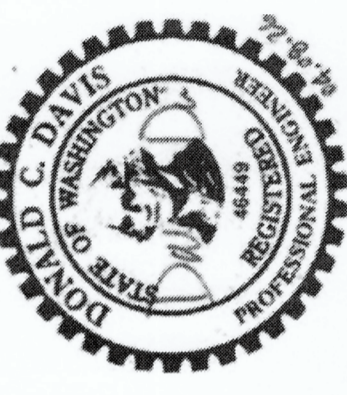
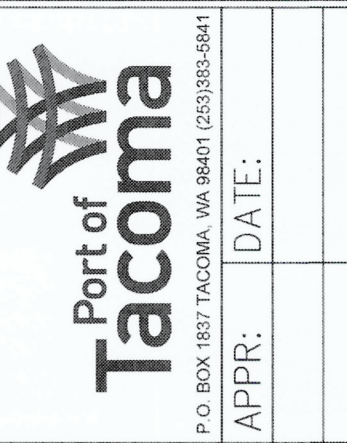
- PROPOSED FEATURES-**
- ASPHALT PAVEMENT
 - CHAINLINK SECURITY FENCE
 - LIGHT POLE

GENERAL NOTES

1. SEE SHEET C1.1 FOR GENERAL SITE PLAN NOTES.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS ENGINEERS, INC. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES AFFECTING WORK.
4. CONTRACTOR SHALL PROTECT UTILITIES ON-SITE NOT MARKED FOR REMOVAL AND REPAIR ANY DAMAGE AT NO COST.
5. SEE ELECTRICAL DRAWINGS FOR INFORMATION ON NEW LIGHTS, INCLUDING LIGHT POLE MAKE AND MODEL, INSTALLATION DETAILS OF POLE BASES AND CONDUITS, ROUTING FROM POWER SOURCE, ETC. EXISTING SURFACES WHICH ARE DISTURBED FOR CONDUIT ROUTING SHALL BE RESTORED IN KIND.

KEY NOTES

- 1 ASPHALT PAVEMENT PER 1/C1.1
- 2 ASPHALT PAVEMENT JOINT PER 2/C1.1
- 3 CHAINLINK SECURITY FENCE PER 3/C1.1
- 4 LIGHT POLE FOUNDATION PER 4/C1.1. SEE ALSO GENERAL NOTE 5.



| | | | |
|--------------------|------|------------|--------------|
| CHECKED BY | DATE | PROJ. ENGR | DATE |
| <i>John Howard</i> | | Don Davis | Apr 13, 2026 |

APPROVED: *John Howard*
 DIRECTOR ENGR. DATE
 PRINTED BY: Don Davis
 PORT ADDRESS: E. 11TH ST & MILWAUKEE WAY
 TACOMA, WA 98401-1837

**PORT OF TACOMA WEST SITCUM TERMINAL
11TH STREET IMPROVEMENTS
SITE PLAN**

| | | |
|-------------------|----------------------------------|-------------|
| TOWNSHIP: 21 | RANGE: 03 | SECTION: 34 |
| DATE-HRZ: WA83-SF | VERT: MLLW 19.18' @ Tide 22 1933 | |
| PARCEL: | DRAWING SCALE: AS NOTED | |

6724
C1.0
SH #7 OF #15

| | | | |
|----------------------------|-------------------|----------------------------------|-------------|
| CONTRACT/CONS: PA000000123 | TOWNSHIP: 21 | RANGE: 03 | SECTION: 34 |
| M. ID: 201218.01 | DATE-HRZ: WA83-SF | VERT: MLLW 19.18' @ Tide 22 1933 | |
| PHASE: BID | PARCEL: | DRAWING SCALE: AS NOTED | |



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| | |
|---------------------|--------------------|
| Project No.: 20,755 | Project Mgr.: DCD |
| Proj. Engineer: DKM | Proj. Drafter: DKM |

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PROJECT GENERAL NOTES

- THE LOCATION OF ALL UTILITIES SHOWN IN THESE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION. TO LOCATE UTILITIES, CALL THE UNDERGROUND LOCATE LINE AT 1-811-424-5555 OR 811.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING FEATURES, ELEVATIONS, AND PROPERTY LINES SHOWN. IF DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- WHERE CONFLICTS OCCUR BETWEEN EXISTING FEATURES AND THE PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE TO ORIGINAL LOCATION AND ELEVATION.
- THE CONTRACTOR FOR THIS PROJECT SHALL MAINTAIN A CLEAN, LEGIBLE SET OF THESE PLANS AND NOTE ALL DEVIATIONS THEREON. UPON COMPLETION OF CONSTRUCTION, SURVEYED STAMPED AS-BUILTS SHALL BE PROVIDED TO THE PROJECT ENGINEER FOR THE PREPARATION OF RECORD DRAWINGS. THE PROJECT ENGINEER SHALL SUBMIT RECORD DRAWINGS TO THE CITY OF TACOMA UPON COMPLETION OF THE PROJECT FOR APPROVAL.
- THE CONTRACTOR SHALL HAVE ACCESS TO THE CURRENT COPY OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD PLANS AND CURRENT EDITION OF THE SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (PUBLICATIONS M21-01 AND M41-10).
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT TO PREVENT UTILITY INTERRUPTION. NOTIFY THE APPROPRIATE PURVEYORS ONE WEEK IN ADVANCE OF EACH UTILITY CONNECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL COORDINATE HIS ACTIVITIES WITH THE CITY OF TACOMA, THE ENGINEER A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE BEGINNING OF WORK. THE CONTRACTOR SHALL PREPARE, SUBMIT, AND OBTAIN TRAFFIC CONTROL APPROVAL FROM THE CITY PRIOR TO EXECUTING THE WORK. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SIGNS, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE CONTINUOUS PROTECTION OF THE PUBLIC AND TO PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA. AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH. COORDINATE SAFETY AND SECURITY MEASURES WITH ADJACENT WORK.
- DAMAGE TO ANY PROPERTY, INCLUDING BUT NOT LIMITED TO, BUILDINGS, UTILITIES, VEHICLES, FENCING, OR LANDSCAPING AS A RESULT OF CONTRACTORS ACTIVITIES WILL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF OFF-SITE AND ON-SITE PAVED SURFACES WHERE DAMAGE HAS BEEN SUSTAINED BECAUSE OF CONSTRUCTION TRAFFIC.
- ALL CONCRETE, PAVEMENT, CURBS, SIDEWALKS AND RAMPS INDICATED TO BE REMOVED OR REPLACED SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT AS IDENTIFIED DURING CONSTRUCTION. WHERE THIS IS NOT POSSIBLE DUE TO CONFLICTS OR ADJACENT DAMAGED CONCRETE / ASPHALT, THE CONTRACTOR SHALL MAKE A FULL PAVEMENT DEPTH SAWCUT AT THE PROPOSED JOINT IN SOUND PAVEMENT. PROPOSED CONCRETE / ASPHALT SHALL EXTEND TO THE SAWCUT EDGE AND BE APPROPRIATELY JOINED / SEALED. THE CONTRACTOR SHALL MAKE SAWCUTS AT EXISTING CONTRACTION JOINTS WHERE POSSIBLE.

CONSTRUCTION SEQUENCE

- OBTAIN CITY OF TACOMA SITE DEVELOPMENT PERMIT.
- CALL FOR PRE-CONSTRUCTION MEETING WITH CITY OF TACOMA INSPECTOR AND PROVIDE ESC LEAD INFORMATION.
- INSTALL TESC/CSWPP MEASURES AND CALL FOR CITY OF TACOMA INSPECTION.
- PERFORM DEMOLITION WORK.
- INSTALL STORM DRAINAGE SYSTEM.
- PERFORM MISCELLANEOUS GRADING.
- INSTALL PAVEMENT BASE MATERIALS AND CALL FOR INSPECTION.
- INSTALL ASPHALT PAVEMENT AND RESTORE DISTURBED SURFACES.
- INSTALL FENCING AND MISC SURFACE FEATURES.
- WHEN ALL CONSTRUCTION IS COMPLETED CALL FOR PRE-FINAL INSPECTION.
- REMOVE ALL TESC/CSWPPP MEASURES AND CALL FOR FINAL INSPECTION.

EXCAVATION NOTES

- EXCAVATE TO ELEVATIONS, LINES AND GRADES INDICATED TO NOT MORE THAN 1/2-INCH ABOVE OR BELOW THAT REQUIRED.
- SLOPE SIDES OF EXCAVATION AS INDICATED OR COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. SHORE AND BRACE WHERE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED.
- STOCKPILE SATISFACTORY EXCAVATED MATERIALS UNTIL REQUIRED FOR BACKFILL OR FILL. PLACE, GRADE AND SHAPE STOCKPILES FOR PROPER DRAINAGE. LOCATE AND RETAIN SOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS.
- DISPOSE OF EXCESS SOIL AND UNSUITABLE SOIL MATERIAL OFF-SITE AS DIRECTED.

SUBGRADE PREPARATION NOTES

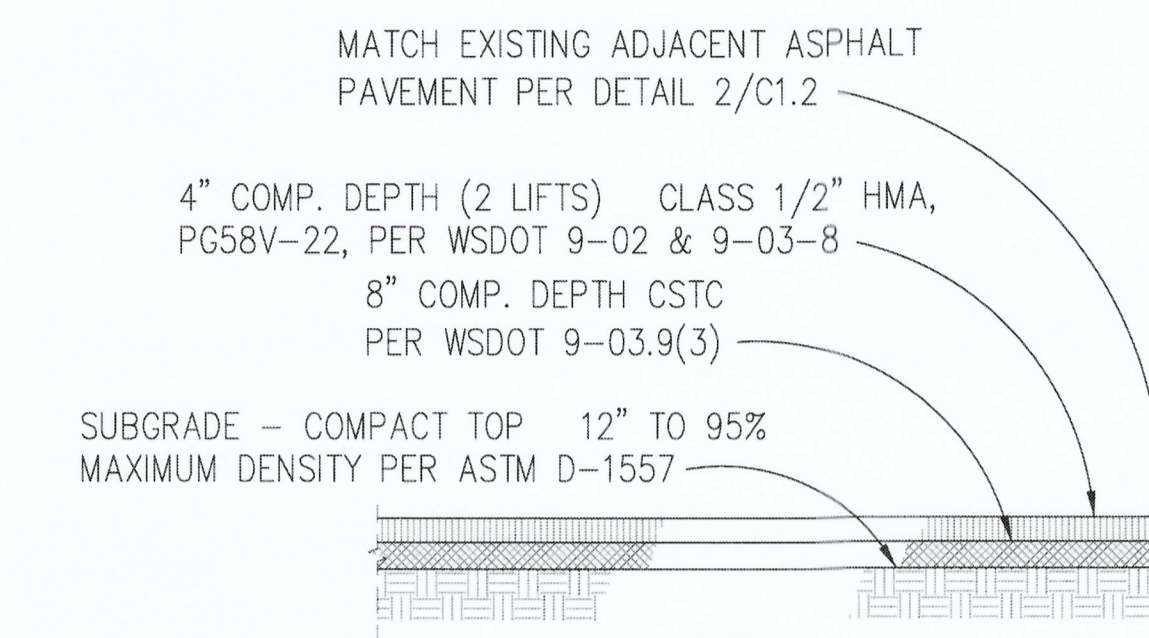
- ALL EXPOSED SUBGRADE SHALL BE PROOF ROLLED UNDER THE OBSERVATION OF THE OWNERS INSPECTION / TESTING AGENCY WITH A LOADED 12 CY (MINIMUM) DUMP TRUCK OR HEAVY COMPACTOR. ANY LOCALIZED ZONE OF YIELDING SUBGRADE SHALL BE OVEREXCAVATED TO A MAXIMUM DEPTH OF 24" (OR AS DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER) AND REPLACED WITH STRUCTURAL FILL, COMPACTED TO 95% MAX. DENSITY.
- WHERE SUBGRADE CANNOT BE FEASIBLY SUBJECTED TO A PROOF-ROLL, COMPACTION SHALL BE VERIFIED BY A MINIMUM OF ONE NON-DESTRUCTIVE FIELD DENSITY TEST (I.E. NUCLEAR DENSIMETER) PER 2,000 SQUARE FEET, BUT IN NO CASE LESS THAN THREE (3) TESTS. IF ADDITIONAL COMPACTION IS REQUIRED, RE-TESTING OF SUBGRADE SHALL BE AT CONTRACTOR'S EXPENSE.
- STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8-INCHES, MOISTURE CONDITIONED TO ACHIEVE OPTIMAL MOISTURE CONTENT FOR COMPACTION, AND COMPACTED TO 95% MAX. DENSITY PER ASTM D-1557-70.
- WHERE REQUIRED, STRUCTURAL FILL SHALL CONFORM TO THE REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 9-03.14(1) GRAVEL BORROW, MODIFIED FROM 7.0% TO 5.0% PASSING THE U.S. NO. 200 SIEVE.
- SUBMIT ONE COPY OF INSPECTION / TESTING AGENCY FIELD REPORTS AND COMPACTION RESULTS TO ENGINEER WITHIN TWO WEEKS OF FIELD OBSERVATION.
- CRUSHED SURFACING TOP COURSE (CSTC) SHALL COMPLY WITH WSDOT STANDARD SPECIFICATION 9-03.9(3).
- NON-WOVEN GEOTEXTILE FABRIC SHALL CONFORM WITH REQUIREMENTS OF SEPARATION FABRIC PER TABLE 3 WSDOT SPECIFICATION 9-33.2(1). INSTALLATION OF FABRIC SHALL CONFORM WITH WSDOT SPECIFICATION 2-12.
- ALL AREAS TO BE GRADED SHALL BE CLEARED OF SURFACE AND SUBSURFACE DELETERIOUS MATTER INCLUDING ANY DEBRIS, TREES AND ASSOCIATED STUMPS AND ROOTS AND UNDERBRUSH. GRADED AREAS SHALL BE STRIPPED OF ANY FOREST DUFF AND ORGANIC LADEN SOILS.
- SUBGRADE BELOW STRUCTURAL FILL SHALL CONSIST OF FIRM, UNYIELDING NATIVE SOILS OR STRUCTURAL FILL MATERIALS. UNDER NO CIRCUMSTANCES SHALL FOUNDATIONS BE INSTALLED ATOP LOOSE, SOFT, OR FROZEN SOIL, SLOUGH, DEBRIS, EXISTING UNCONTROLLED FILL, OR SURFACES COVERED BY STANDING WATER. ANY LOCALIZED ZONES OF LOOSER GRANULAR SOILS OBSERVED WITHIN A SUBGRADE SHALL BE COMPACTED TO A DENSITY EQUAL TO THE SURROUNDING SOILS. ANY ORGANIC, SOFT, OR PUMPING SOILS OBSERVED WITHIN A SUBGRADE SHALL BE OVEREXCAVATED AND REPLACED WITH STRUCTURAL FILL MATERIAL. SUBGRADE CONDITION SHALL BE VERIFIED BY THE PROJECT GEOTECHNICAL ENGINEER OR SPECIAL INSPECTOR PRIOR TO PLACING STRUCTURAL FILL.

COMPACTION NOTES

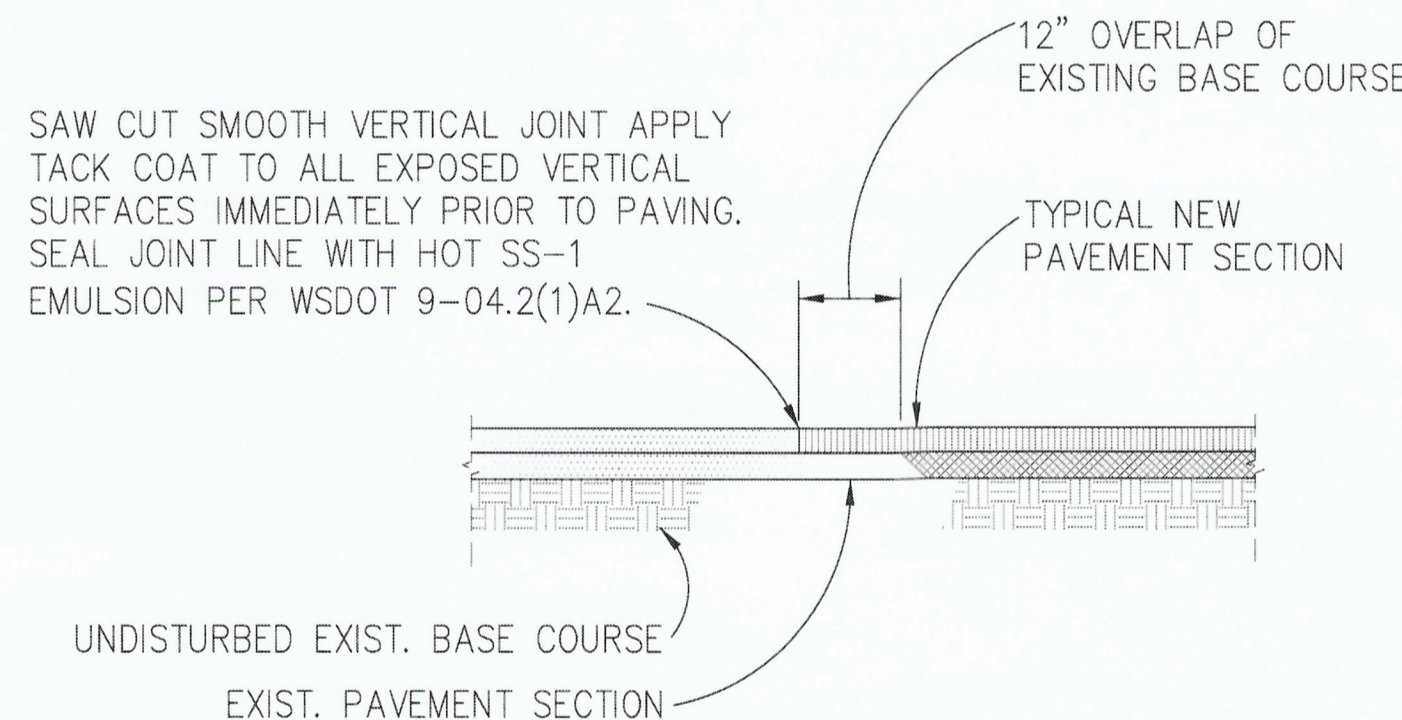
- CONTROL SOIL COMPACTION DURING CONSTRUCTION PROVIDING MINIMUM PERCENTAGE OF DENSITY SPECIFIED FOR EACH AREA CLASSIFICATION. PERCENTAGES ARE RELATED TO MAXIMUM DRY DENSITY AS MEASURED IN CONFORMANCE WITH ASTM D 1557.
- COMPACT TOP 12-INCHES OF SUBGRADE TO 95-PERCENT OF MAXIMUM DRY DENSITY UNDER PAVEMENTS AND GRAVEL SURFACING.
- WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL TO PREVENT FREE WATER APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION MAY BE STOCKPILED OR SPREAD AND ALLOWED TO DRY. ASSIST DRYING BY DISKING, HARROWING OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO SATISFACTORY VALUE.

HOT MIX ASPHALT NOTES (HMA)

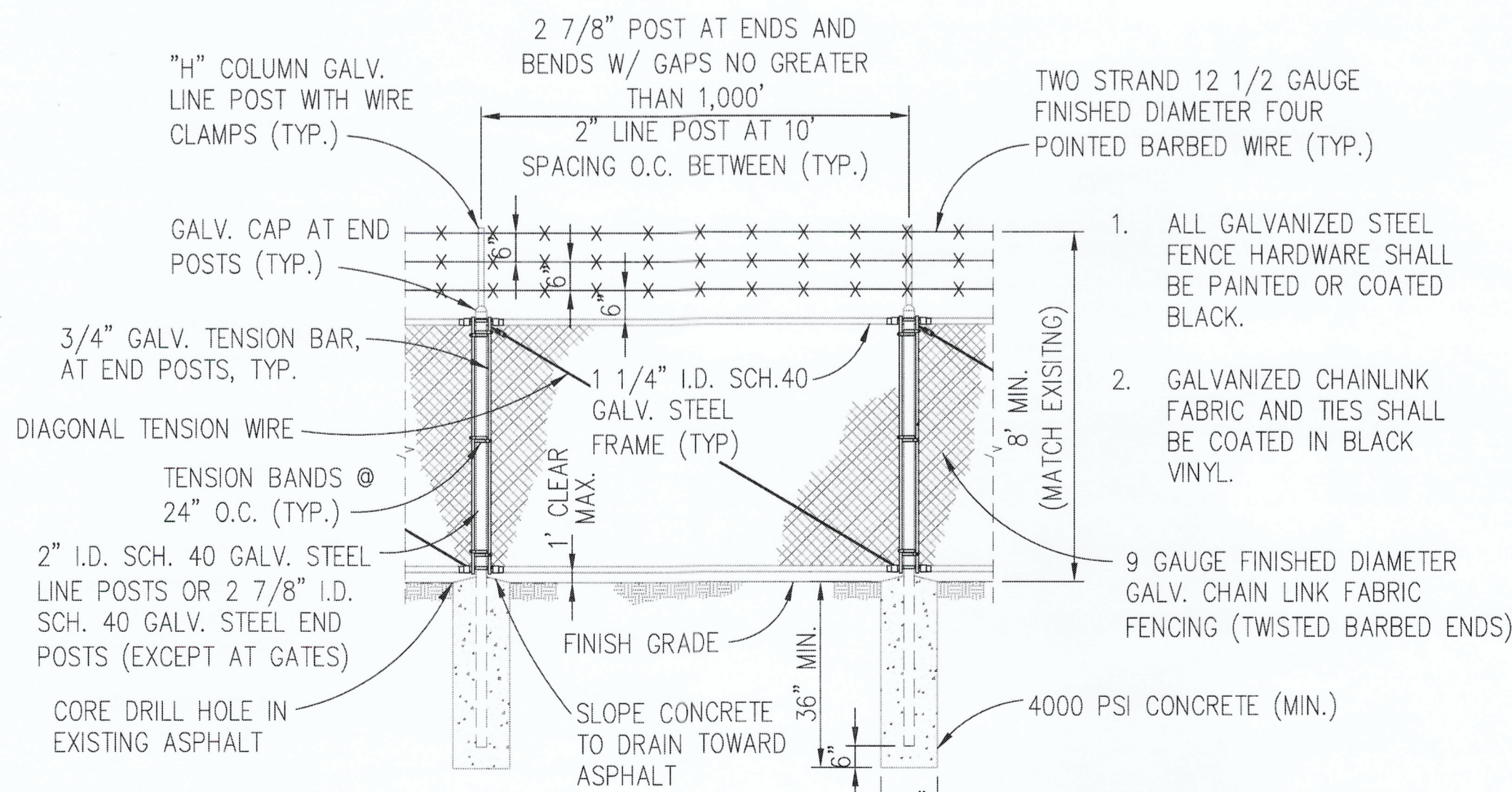
- HMA PAVEMENT SHALL COMPLY WITH WSDOT STANDARD SPECIFICATIONS SECTION 5-04
- VEHICULAR PAVEMENT AGGREGATE SHALL COMPLY WITH CLASS 1/2" GRADATION PER WSDOT STANDARD SPECIFICATION SECTION 9-03.8
- BINDER SHALL COMPLY WITH PERFORMANCE GRADE ASPHALT BINDER PG 58V-22 PER WSDOT STANDARD SPECIFICATION SECTION 9-02.1(4)
- HMA PAVEMENT SHALL BE COMPACTED TO 92% RICE VALUE.



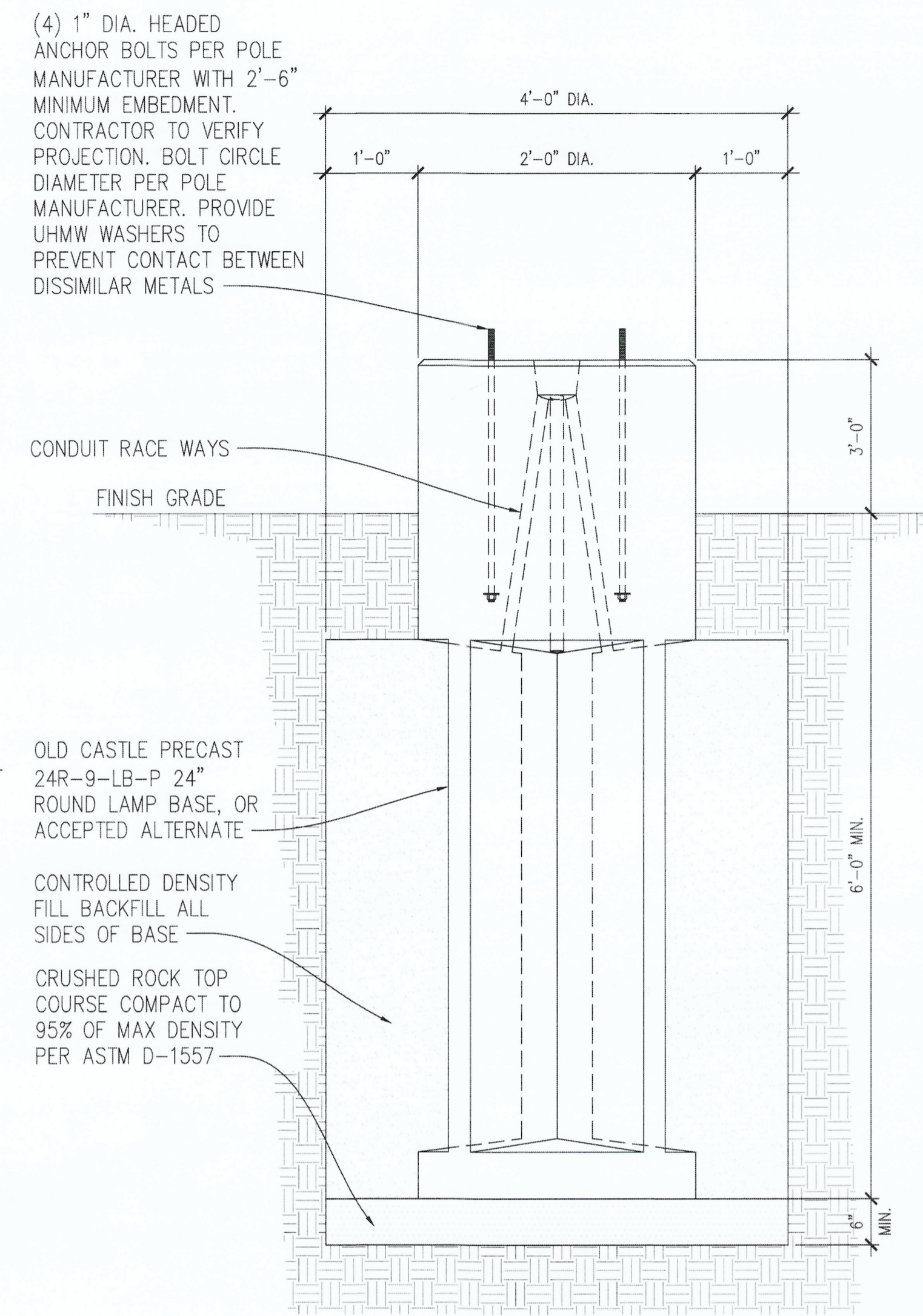
1 HOT MIX ASPHALT PAVEMENT SCALE: NTS



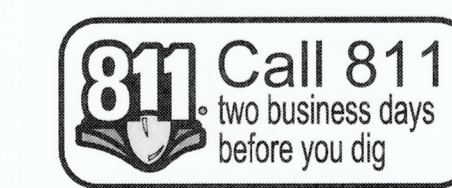
2 ASPHALT PAVEMENT JOINT SCALE: NTS



3 SECURITY FENCE SCALE: NTS



4 LIGHT POLE FOUNDATION DETAIL SCALE: NTS



sh sits & hill
 CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY
 4815 CENTER STREET | TACOMA, WA 98405
 PHONE: (253) 474-9449 | www.sitsandhill.com

Project No.: 20,755 | Project Mgr.: DCD
 Proj. Engineer: DKM | Proj. Drafter: DKM

Port of Tacoma
 P.O. BOX 1837 TACOMA, WA 98401-0338-5641

APPROVED: *Shane Johnson*
 DIRECTOR, ENG. DATE: DonDavis Apr 13, 2026
 PRINTED BY: DonDavis
 PORT ADDRESS: E 11TH ST & MILWAUKEE WAY
 TACOMA, WA 98401-1837

CHECKED BY: DATE
 PROJECT ENGR: DATE
 DIRECTOR: DATE

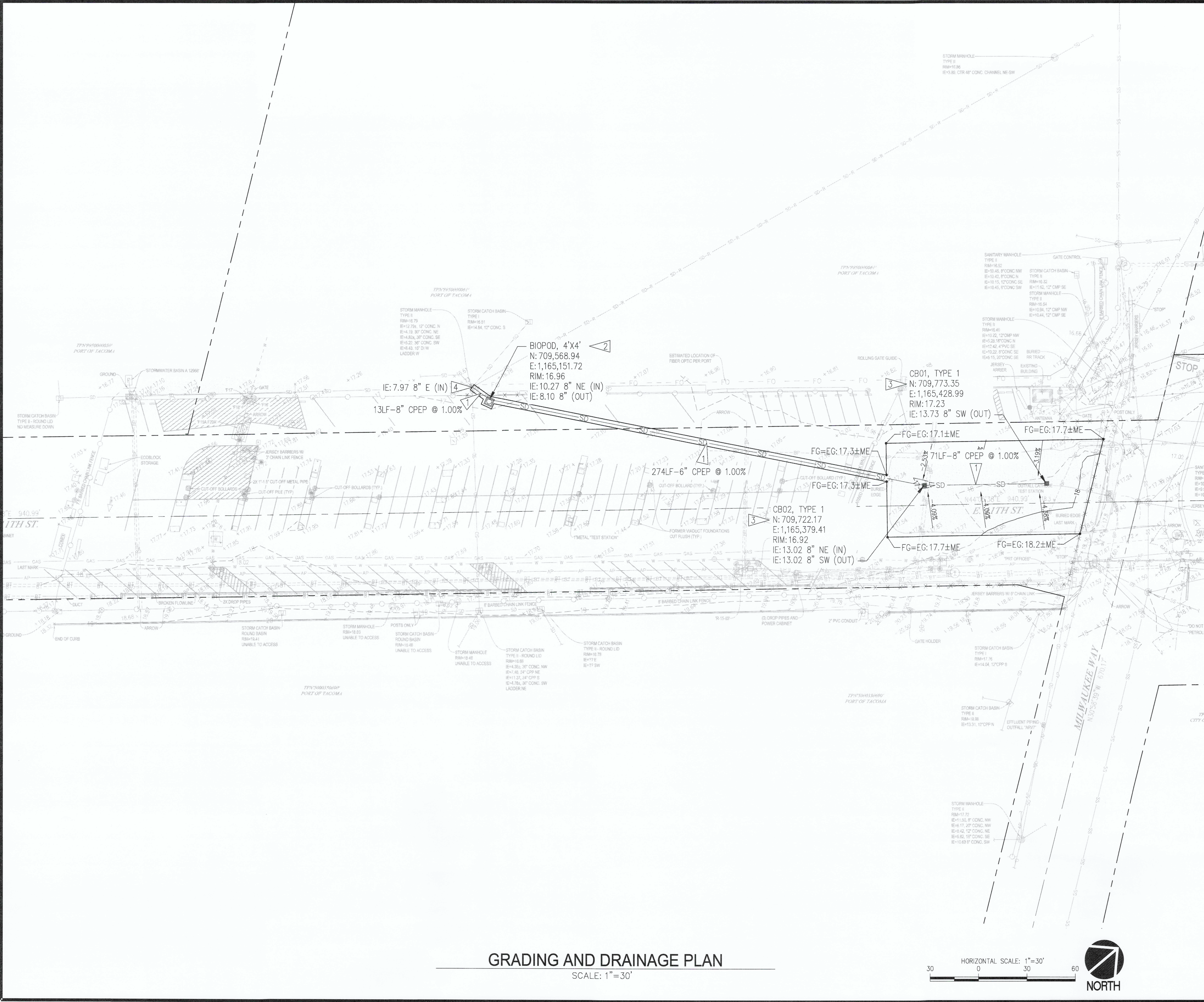
MARK: REVISION: BY: DATE

6724 **C1.1** SH # OF #15
 CONT./CONS: PA00000123 TOWNSHIP: 21 RANGE: 03 SECTION: 34
 M. ID: 201218.01 DAT-HRZ: WA83-SF VERT: MLW 19.18' @ Tide 22 1933
 PHASE: BID DRAWING SCALE: AS NOTED

PORT OF TACOMA WEST SITCUM TERMINAL
 11TH STREET IMPROVEMENTS
 DEMOLITION AND TESC NOTES AND DETAILS

BINDING EDGE

PORT OF TACOMA FILE: N:\20700\20755\Drawings\20755 - C2.0



LEGEND

- PROPOSED FEATURES-**
- BIOPOD
 - TYPE 1 CATCH BASIN
 - SD STORM DRAIN
 - DRAINAGE SLOPE DIRECTION

GENERAL NOTES

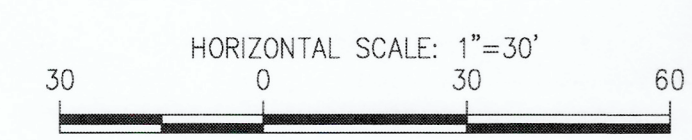
1. SEE SHEET C2.1 FOR GENERAL STORM NOTES.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS ENGINEERS, INC. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES AFFECTING WORK.
4. CONTRACTOR SHALL PROTECT UTILITIES ON-SITE NOT MARKED FOR REMOVAL AND REPAIR ANY DAMAGE AT NO COST.

KEY NOTES

1. STORM DRAIN PIPE SIZE, LENGTH, AND SLOPE PER PLAN. INSTALL PER 1/C2.1
2. OLDCASTLE BIOPOD PER 2/C2.1, OR ACCEPTED ALTERNATE
3. TYPE 1 CATCH BASIN
4. CONNECT TO EXISTING STRUCTURE

GRADING AND DRAINAGE PLAN

SCALE: 1"=30'



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 4815 CENTER STREET | TACOMA, WA 98409
 PHONE: (252) 474-8449 | www.sitshill.com

Proj. Engineer: DKM | Project Mgr.: DCD
 Proj. Drafter: DKM

811 Call 811
 two business days
 before you dig

6724 PORT OF TACOMA WEST SITCUM TERMINAL
C2.0 GRADING AND DRAINAGE PLAN
 SH #9 OF #15

CONT./CONS: PA00000123 TOWNSHIP: 21 RANGE: 03 SECTION: 34
 M. ID: 201218.01 DAT-HRZ: WAB3-SF VERT: MLLW 19.18' @ Tide 22 1933
 PHASE: BID DRAWING SCALE: AS NOTED PARCEL: TACOMA, WA 98401-1837

APPROVED: *[Signature]*
 DIRECTOR ENGR. DATE: DonDavis Apr. 13, 2026
 PRINTED BY: DonDavis
 PORT ADDRESS: 11TH ST & MILWAUKEE WAY
 TACOMA, WA 98401-1837

CHECKED BY: DATE: _____
 PROJECT ENGR. DATE: _____
 DATE: _____

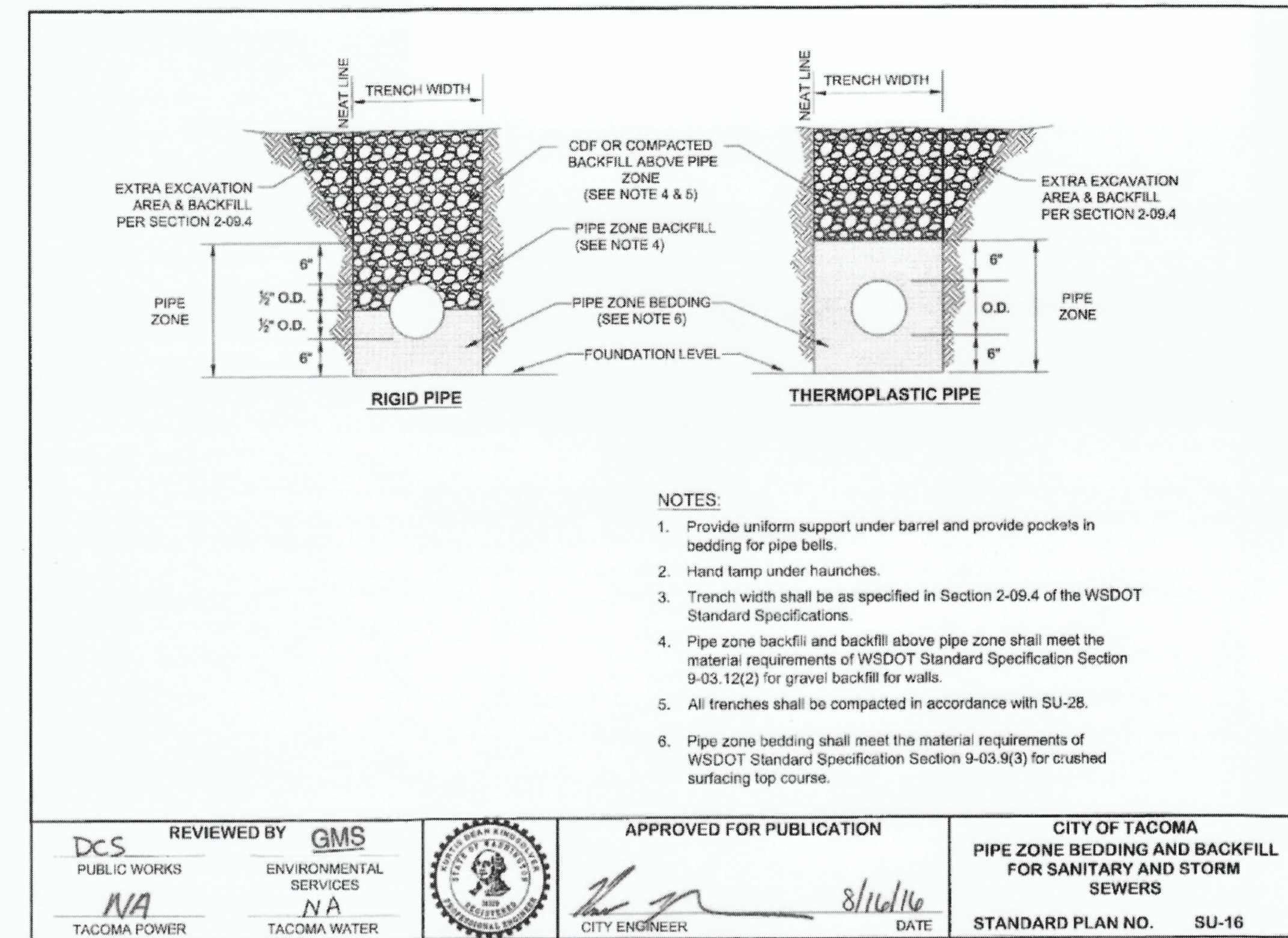
MARK: REVISION: _____
 BY: _____
 DATE: _____

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 P.O. BOX 1837 TACOMA, WA 98401 (202)583-5441

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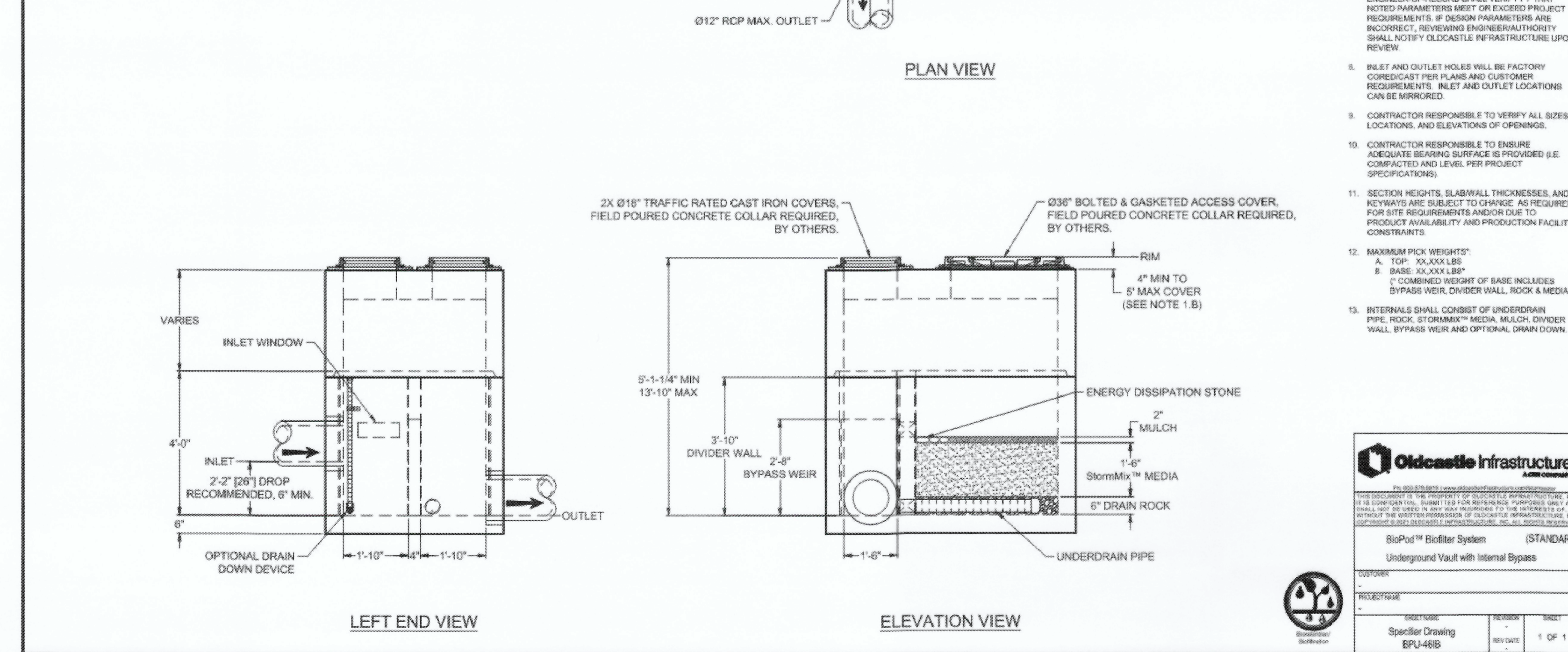
STORM DRAINAGE SYSTEM NOTES

- STORM PIPE BEDDING AND BACKFILL SHALL BE PER DETAIL 1/C2.1.
- CATCH BASIN TYPE 1 SHALL BE PER WSDOT STANDARD PLAN B-05.20 WITH SOLID COVER PER WSDOT STANDARD PLAN B-30.20, HERRINGBONE GRATE PER WSDOT STANDARD PLAN B-30.50 AND RECTANGULAR FRAME PER WSDOT STANDARD PLAN B-30.10. IN THE CITY OF TACOMA RIGHT-OF-WAY ALL CATCH BASIN INLET GRATES SHALL BE VANED GRATE STYLE. ALL STORM STRUCTURE LIDS/GRATES MUST BE RATED FOR H2O LOADING OR HIGHER.
- STORM STRUCTURES SHALL BE INSTALLED PER WSDOT STANDARD SPECIFICATIONS 7-05.
- CORRUGATED POLYETHYLENE PIPE (CPEP) AND FITTINGS: SHALL BE DUAL WALL AND COMPLY WITH WSDOT 9-05.24 REQUIREMENTS. ALL CPP JOINTS AND FITTINGS SHALL BE WATERTIGHT AND PASS A LOW PRESSURE AIR TEST IN ACCORDANCE WITH WSDOT 7-04 REQUIREMENTS.
- GRAVITY STORMWATER SYSTEM SHALL BE LOW PRESSURE AIR TESTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 7-04.3(1)F. AT THE OWNER'S DISCRETION, PIT DRAINS, MANHOLES, VAULTS OR OTHER ANCILLARY PIPE SYSTEMS MAY BE HYDROSTATICALLY TESTED TO THE OWNER'S SATISFACTION (E.G. PLUG PIPES, FILL STRUCTURE TO SET ELEVATION WITH WATER, AND OBSERVE WATER LEVEL DEVIATION OVER A SET PERIOD OF TIME).
- PROVIDE 1.0' MINIMUM VERTICAL AND 5' MINIMUM HORIZONTAL CLEARANCE (OUTSIDE SURFACES) BETWEEN STORM DRAIN PIPES AND OTHER UTILITY PIPES AND CONDUITS, UNLESS OTHERWISE NOTED.
- DETECTABLE MARKING TAPE SHALL BE INSTALLED ALONG THE FULL LENGTH OF STORM UTILITY. DETECTION TAPE SHALL BE 6-INCH WIDTH (MINIMUM), CONTAIN A 3.5 MIL SOLID ALUMINUM CORE, BE A MINIMUM OF 5.0 MIL OVERALL THICKNESS, AND BE SUITABLE FOR DIRECT BURY. THE TAPE SHALL BE COLOR CODED ACCORDING TO AWWA AND CONTINUOUSLY IMPRINTED WITH THE TYPE OF UTILITY FOR UTILITY SHOWN.

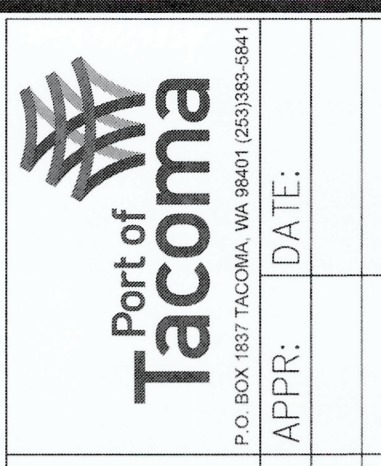


1 PIPE ZONE BEDDING AND BACKFILL
 SCALE: NTS

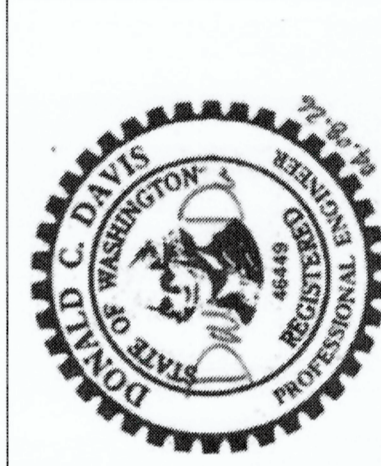
| SITE SPECIFIC DATA | |
|--|---|
| Structure ID | ID |
| Treatment Flow Rate (cfs) | - |
| Peak Flow Rate (cfs) | - |
| Rim Elevation | - |
| Top of Vault Elevation | 0.0187 |
| Pipe Data | Pipe Location Pipe Size Pipe Type Elevation |
| Inlet | - - - 10.30' |
| Outlet | - - - 10.63' |
| Notes: | |
| INLET 8" CPEP 10.27 | |
| PERFORMANCE SPECIFICATIONS | |
| Treatment Flow Capacities: | |
| NJDEP 80% Removal, 75 micron | 0.064 cfs |
| WA Ecology GULB - Basic, Enhanced & Phosphorus | 0.057 cfs |
| Bypass Capacity | 5.0 cfs |
| *Contact Oldcastle for alternative treatment flow capacities | |



2 4'x8' OLDCASTLE BIPOD BIOLFILTER (OR ACCEPTED ALTERNATE)
 SCALE: NTS



| | |
|-----------|-----------|
| APPROVED: | DATE: |
| MARK: | REVISION: |
| BY: | |



| | |
|----------------------|----------------------------|
| CHECKED BY: | DATE: |
| PROJ. ENGR: | DATE: |
| DIRECTOR ENGR. DATE: | DonDavis Apr 13, 2026 |
| PRINTED BY: | DonDavis |
| PORT ADDRESS: | E. 11TH ST & MILWAUKEE WAY |
| TACOMA, WA | 98401-1837 |

PORT OF TACOMA WEST SITCUM TERMINAL 11TH STREET IMPROVEMENTS DEMOLITION AND TESC NOTES AND DETAILS

APPROVED: *[Signature]*

SECTION: 34
 RANGE: 03
 TOWNSHIP: 21
 DATE-HRZ: WA83-SF
 TOWN: 19.18' @ Tide 22 1933
 VERT: MLLW 19.18' @ Tide 22 1933
 DRAWING SCALE: AS NOTED

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 4615 CENTER STREET | TACOMA, WA 98409
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| | | | |
|-----------------|--------|----------------|-----|
| Project No.: | 20,755 | Project Mgr.: | DCD |
| Proj. Engineer: | DKM | Proj. Drafter: | DKM |

| PLAN SYMBOLS | | WIRING DIAGRAM SYMBOLS | | | ABBREVIATIONS | | |
|---|--|--|--|--|---|--|--|
| GROUNDING GROUND CABLE CONNECTION GROUND ROD CONNECTION GROUND CABLE PIGTAIL GROUND CABLE (UNDERGROUND) EQUIPMENT/STRUCTURAL GROUND CONNECTION | | SINGLE LINE TRANSFORMER (DASHED LINE INDICATES ELECTROSTATIC SHIELD) SURGE ARRESTER CIRCUIT BREAKER (DRAW-OUT TYPE) POTENTIAL TRANSFORMER QUANTITY & RATIO AS SHOWN CURRENT TRANSFORMER QUANTITY & RATIO AS SHOWN AMMETER w/SWITCH VOLTMETER w/SWITCH WATT-HOUR METER 480V OR 480Y/277V PANELBOARD (RATINGS AS NOTED) 208V OR 208Y/120V PANELBOARD (RATINGS AS NOTED) | | | SINGLE LINE FUSED SWITCH M.V. DISCONNECT SWITCH (NF OPTION) L.V. DISCONNECT SWITCH (NON FUSED) SWITCH RATING INTERLOCK K=KEY M=MECHANICAL E=ELECTRICAL FEEDER TYPE DESIGNATION FIXTURE IDENTIFICATION "X" DENOTES FIXTURE TYPE "Y" DENOTES WATTAGE OF FIXTURE AVAILABLE FAULT CURRENT (CLOSED TRANSITION/NORMAL) EQUIPMENT AIC RATING APPROXIMATE FEEDER LENGTH IN FEET TO BE CONFIRMED LATER. LIGHT FIXTURE POLE MOUNT | SCHEMATIC DISCONNECT SWITCH FUSE CIRCUIT BREAKER TRANSFORMER GROUND CONNECTION PILOT LIGHT * INDICATES COLOR | ABBREVIATIONS AF FRAME RATING IN AMPS AFF ABOVE FINISHED FLOOR AHU AIR HANDLING UNIT AL ALUMINUM AT TRIP RATING IN AMPS AWG AMERICAN WIRE GAUGE BKR CIRCUIT BREAKER C CONDUIT CMCS CENTRAL MANAGEMENT CONTROL SYSTEM CO CONDUIT ONLY CT CURRENT TRANSFORMER CU COPPER DED DEDICATED DWG DRAWING EF EXHAUST FAN EMT ELECTRICAL METALLIC TUBING EUSERC ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE FVNR FULL VOLTAGE, NON-REVERSING GFI GROUND FAULT INTERRUPTER GND GROUND GRC GALVANIZED RIGID (CONDUIT) HP HORSEPOWER IMC INTERMEDIATE METAL CONDUIT KMIL THOUSAND CIRCULAR MILS LV LOW VOLTAGE M.BKR. MAIN BREAKER MCC MOTOR CONTROL CENTER MLO MAIN LUGS ONLY NEC NATIONAL ELECTRICAL CODE N/A NOT APPLICABLE NC NORMALLY CLOSED NO NORMALLY OPEN PH PHASE PNL PANEL PT POTENTIAL (VOLTAGE) TRANSFORMER PVC POLY-VINYL CHLORIDE (CONDUIT) SWBD SWITCHBOARD SWGR SWITCHGEAR ST SHUNT TRIP TBD TO BE DETERMINED THHN WIRE INSULATION TYPE REFER TO N.E.C. THWN WIRE INSULATION TYPE REFER TO N.E.C. TP TACOMA POWER TPU TACOMA PUBLIC UTILITIES T/S TWISTED & SHIELDED UG UNDERGROUND VFD VARIABLE FREQUENCY DRIVE WP WEATHER PROTECTED XFMR TRANSFORMER XHHW WIRE INSULATION TYPE REFER TO N.E.C. XP EXPLOSION-PROOF |
| CONDUIT & WIRE CONT'D CONDUIT TURNS DOWN CONDUIT TURNS UP CONDUIT SEAL CABLE TRAY | | COMBINATION STARTER CONTROLLER OR MCC CUBICLE NUMBER STARTER SIZE POWER FACTOR CORRECTION CAPACITOR (IF REQUIRED) MOTOR HORSEPOWER THERMO MAGNETIC CIRCUIT BREAKER MAGNETIC ONLY CIRCUIT BREAKER | | | VFD VFD HP | | |
| POWER PANELBOARD, 208Y/120V 3PH OR 120/240V 1PH PANELBOARD, 480V OR 480Y/277V, 3 PHASE EQUIPMENT IDENTIFICATION "X" DENOTES EQUIPMENT NUMBER "Y" DENOTES HP OR AMPS SPECIAL PANELBOARD/ENCLOSURE (TYPE AS NOTED) ENCLOSED CIRCUIT BREAKER DISCONNECT (SIZE AS NOTED) VARIABLE SPEED MOTOR STARTER SOLID STATE MOTOR STARTER DISCONNECT SWITCH (FUDED OR UNFUDED) SWITCH RATING/FUSE RATING MAGNETIC MOTOR STARTER (COMBINATION) TRANSFORMER (SIZE AS SHOWN, IN KVA) JUNCTION BOX ESTOP SWITCH - MAINTAINED VAULT PULL BOX HAND HOLE MAN HOLE OFF/ON SELECTOR SWITCH CONTROL STATION STOP-START PUSHBUTTON CONTROL STATION 460 VOLT MOTOR (SIZE AS NOTED) 208 VOLT OR 240 V MOTOR (SIZE AS NOTED) 115 VOLT MOTOR (SIZE AS NOTED) | | POWER RECEPTACLES 120V, 15A, 1 PHASE, 2 POLE, 3 WIRE RECEPTACLE, NEMA 5-15R 120V, 20A, 1 PHASE, 2 POLE, 3 WIRE, RECEPTACLE, NEMA 5-20R 15A, 125V, DUPLEX IN A WEATHERPROOF ENCLOSURE (NEMA 3R RAIN TIGHT) 15A, 125V, DUPLEX WITH BUILT IN GROUND FAULT CIRCUIT INTERRUPTER, HUBBELL GF5262I | | | | | |
| CONDUIT & WIRE CONDUIT SURFACE MOUNTED OR CONCEALED. CONDUIT UNDERGROUND, UNDER FLOOR SLAB, OR IN CEILING SPACE OF FLOOR BELOW WITH CONDUCTORS AS ABOVE. CONDUIT ONLY. FLEXIBLE METAL CONDUIT. PROVIDE CIRCUIT CONDUCTORS REQUIRED BASED ON 60 DEGREE CELCIUS CONDUCTOR RATING. INDICATES PHASE CONDUCTOR (#12 OR SIZE AS NOTED) INDICATES NEUTRAL CONDUCTOR (#12 OR SIZE AS NOTED) INDICATES GROUND CONDUCTOR (#12 OR SIZE AS NOTED) INDICATES ISOLATED GREEN GROUND CONDUCTOR (#12 OR SIZE AS NOTED) | | CONDUCTORS HOMERUN W/7#10 SHOWING CIRCUIT SOURCE (PANEL/PANEL POSITION) HOMERUN W/CIRCUIT SOURCE & CONDUIT & WIRE SIZE NOTED 1B2-8/1,3,5 1-1/2"C,3#2+#2/ON+2#8G | | | | | |

Port of Tacoma
 3545 FACTORIA BLVD. SUITE 200
 TACOMA, WA 98401
 WWW.CASNE.COM (252) 522-1000

DATE: _____
 APPR: _____
 BY: _____
 REVISION: _____

STEVEN H. GARRETT
 LICENSED PROFESSIONAL ENGINEER
 STATE OF WASHINGTON
 No. 34833
 EXPIRES 12/31/2026

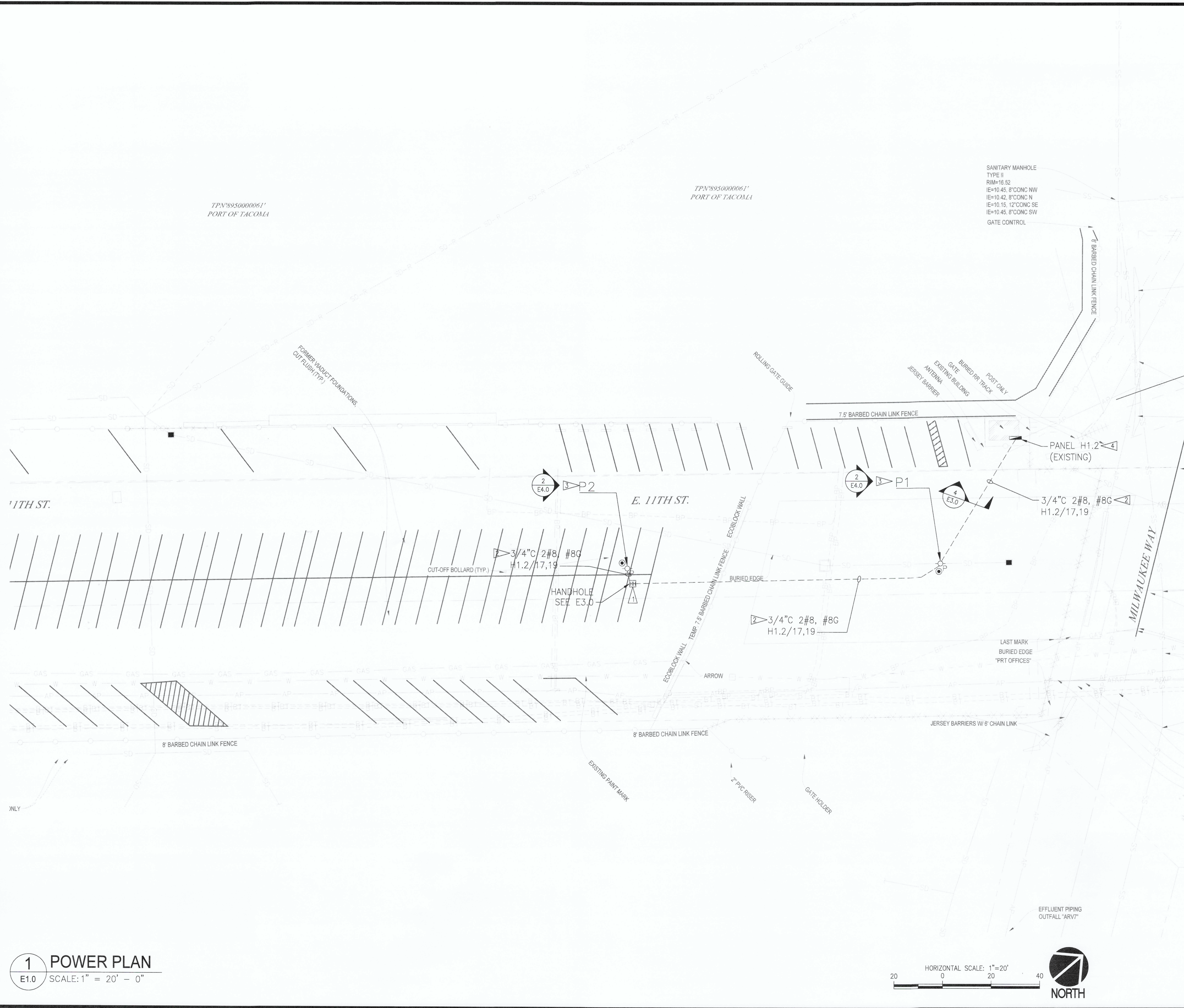
APPROVED: *Steven Garrett*
 DIRECTOR ENG. DATE: _____
 PRINTED BY: steven.garrett Apr 08, 2026
 PORT ADDRESS: ONE SITCUM PLAZA
 TACOMA, WA 98401-1837

CHECKED BY: _____ DATE: _____
 PROJ. ENGR DATE: _____
 SECTION: 34
 RANGE: 03
 TOWNSHIP: 21
 DAT-HRZ: WAB3-SF
 VERT: MLLW 19.39' @ Tide 22 1933
 DRAWING SCALE: AS NOTED

PORT OF TACOMA 11TH ST.
SYMBOLS AND ABBREVIATIONS

E0.0
 SH # 11 OF 15
 CONT/CONS: P000000123
 M. ID: 201218.01
 PHASE: BID

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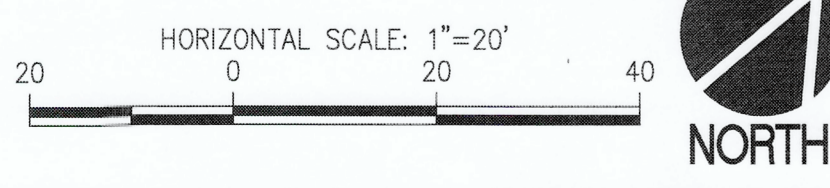


- LEGEND NOTES:**
- 1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND ABBREVIATIONS.
 - ⊙ LIGHT POLE. REFER TO E4.0 DETAIL 2.
 - 5/8" x 8' GROUND ROD

- GENERAL NOTES:**
- 1. REFER TO CIVIL/STRUCTURAL DRAWINGS FOR LIGHT POLE MOUNTING DETAIL.
 - 2. REFER TO PROJECT SPECIFICATIONS FOR DETAILS REGARDING CONDUCTORS, RACEWAYS, AND HANDHOLES.

- CONSTRUCTION NOTES:**
- 1. PROVIDE AND INSTALL HANDHOLE. REFER TO DRAWING E3.0 FOR DETAIL.
 - 2. PROVIDE AND INSTALL UNDERGROUND CONDUIT AND CONDUCTORS.
 - 3. PROVIDE AND INSTALL LIGHTING POLE WITH (2) OPPOSING FIXTURES. REFER TO E4.0 FOR POLE DETAILS.
 - 4. PROVIDE BREAKER IN EXISTING PANEL FOR LIGHTING CIRCUIT. REFER TO E4.0 DETAIL 1 FOR PANEL SCHEDULE.

1 POWER PLAN
E1.0 SCALE: 1" = 20' - 0"



Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401

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3545 FACTORIA BLVD., SUITE 200
TACOMA, WA 98401
WWW.CASNE.COM (253) 322-1000

DATE: _____

APPR: _____

MARK: _____

REVISION: _____

BY: _____

CHECKED BY: _____

DATE: _____

PROJ. ENGR: _____

DATE: _____

APPROVED: *Steven H. Garrett*

DIRECTOR ENGR. DATE: _____

PRINTED BY: steven.garrett

Apr 08, 2026

PORT ADDRESS: ONE SITCUM PLAZA

TACOMA, WA 98401-1837

E1.0

SH # 12 OF 15

CONTR/CONS: PA000000123

TOWNSHIP: 21

DATE-HRZ: WA83-SF

PARCEL: _____

RANGE: 03

SECTION: 34

VERT: MILLW 19.39' @ Tide 22.19.33

DRAWING SCALE: AS NOTED

PORT OF TACOMA 11TH ST. POWER PLAN

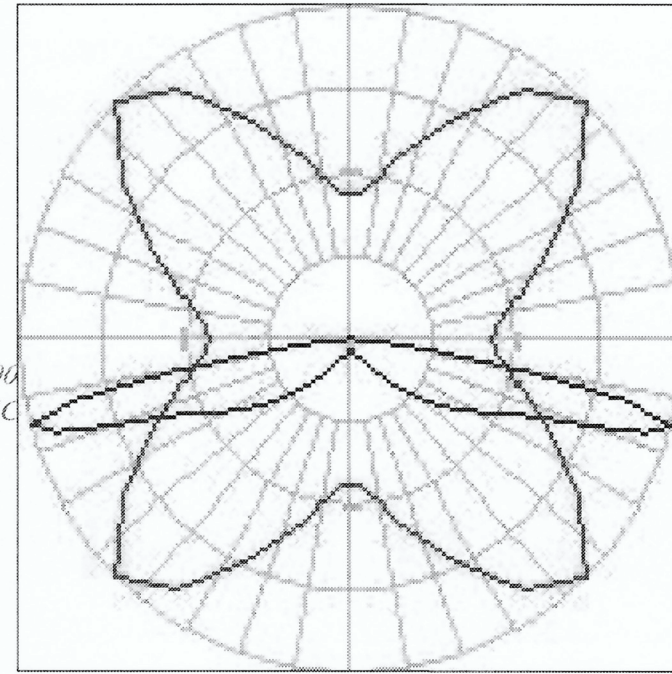
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PORT OF TACOMA FILE: C:\Users\stevengarrett\OneDrive - Casne Engineering\Proj\Port of Tacoma\41011-018 SH POT 11th Street Parking Lot Improvements Drawings\E2.0

Luminaire Summary

| Luminaire Schedule | Symbol | Qty | Label | Arrangement | Total Lamp Lumens | LLF | Description |
|--------------------|--------|-----|-------------------|-------------|-------------------|-------|-------------------|
| 1 | S | 4 | VALM-30L-5QW-30K7 | Back-Back | 27,765 | 0.940 | VALM-30L-5QW-30K7 |

Luminaire Images



Calculation Summary

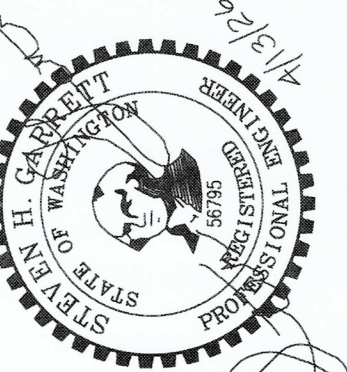
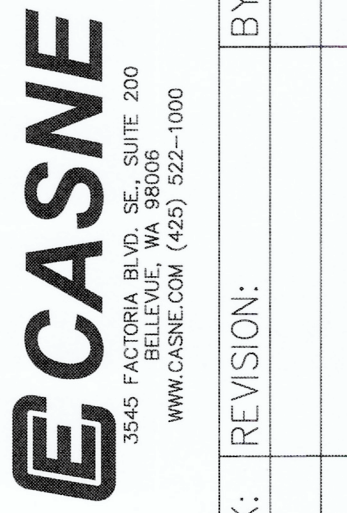
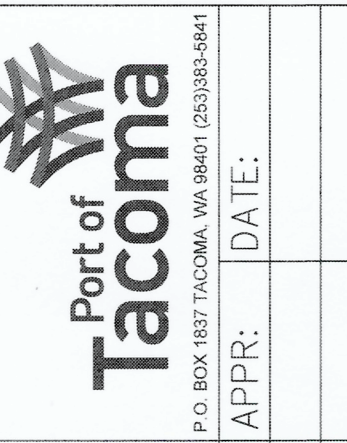
| Calculation Summary | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|---------------------|-------------|-------|------|-----|-----|---------|---------|
| CalcPs_1 | Illuminance | Fc | 2.08 | 3.0 | 0.7 | 2.97 | 4.29 |

LEGEND:

1. REFER TO DRAWING E.O.0 FOR COMMON SYMBOLS AND ABBREVIATIONS

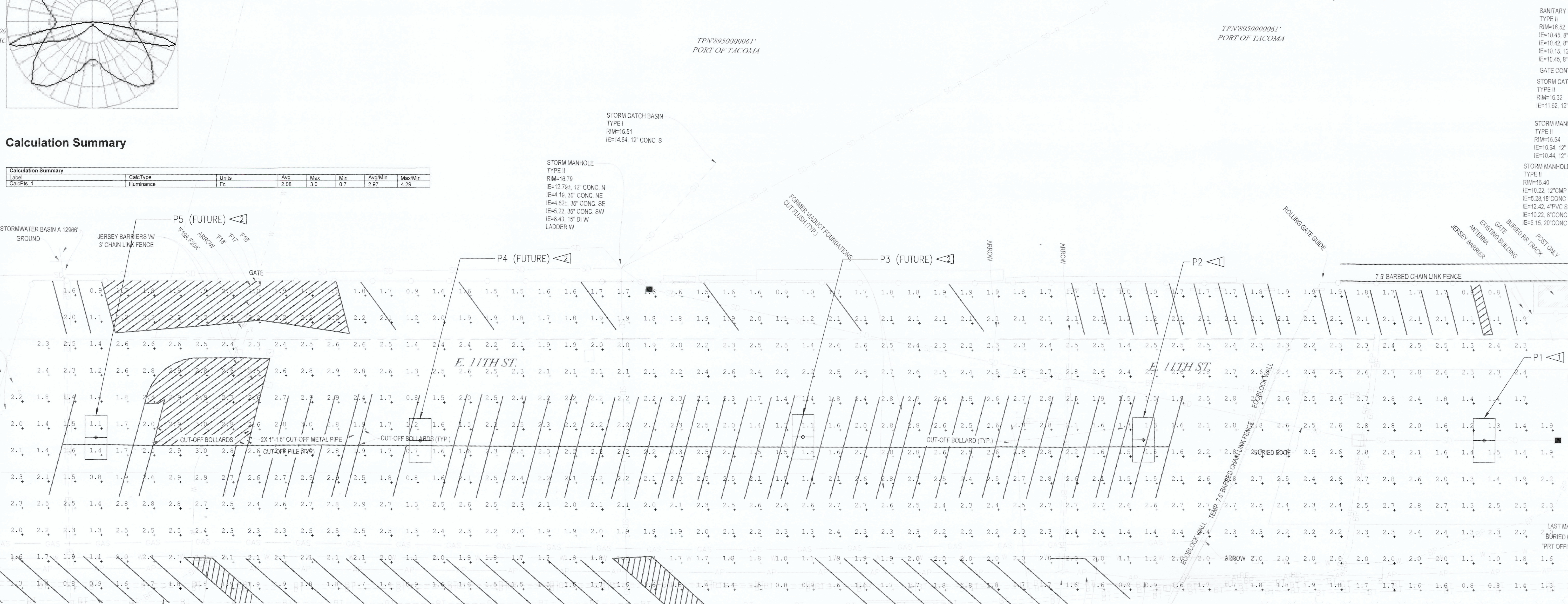
CONSTRUCTION NOTES:

- 1. PROVIDE (2) LED LIGHT FIXTURES POLE MOUNTED AT 30 FEET ABOVE FINISHED GRADE. FIXTURES SHALL BE MOUNTED BACK-TO-BACK WITH ORIENTATION AS INDICATED. REFER TO LUMINAIRE SCHEDULE (THIS DRAWING) FOR FIXTURE DETAILS.
- 2. FUTURE FIXTURE LOCATION.



CHECKED BY: DATE
 PROJECT ENGR: DATE
 DIRECTOR ENGR: DATE
 PRINTED BY: steven.garrett
 PORT ADDRESS: ONE SITCUM PLAZA
 TACOMA, WA 98401-1837

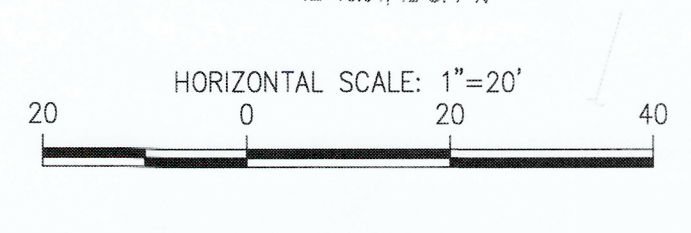
APPROVED: *Steven Garrett*
 PORT OF TACOMA 11TH ST. PHOTOMETRICS
 SECTION: 34
 RANGE: 03
 TOWNSHIP: 21
 M.I.D.: 201218.01
 DATE: 11/19/2012
 DRAWING SCALE: AS NOTED
 PHASE: BID



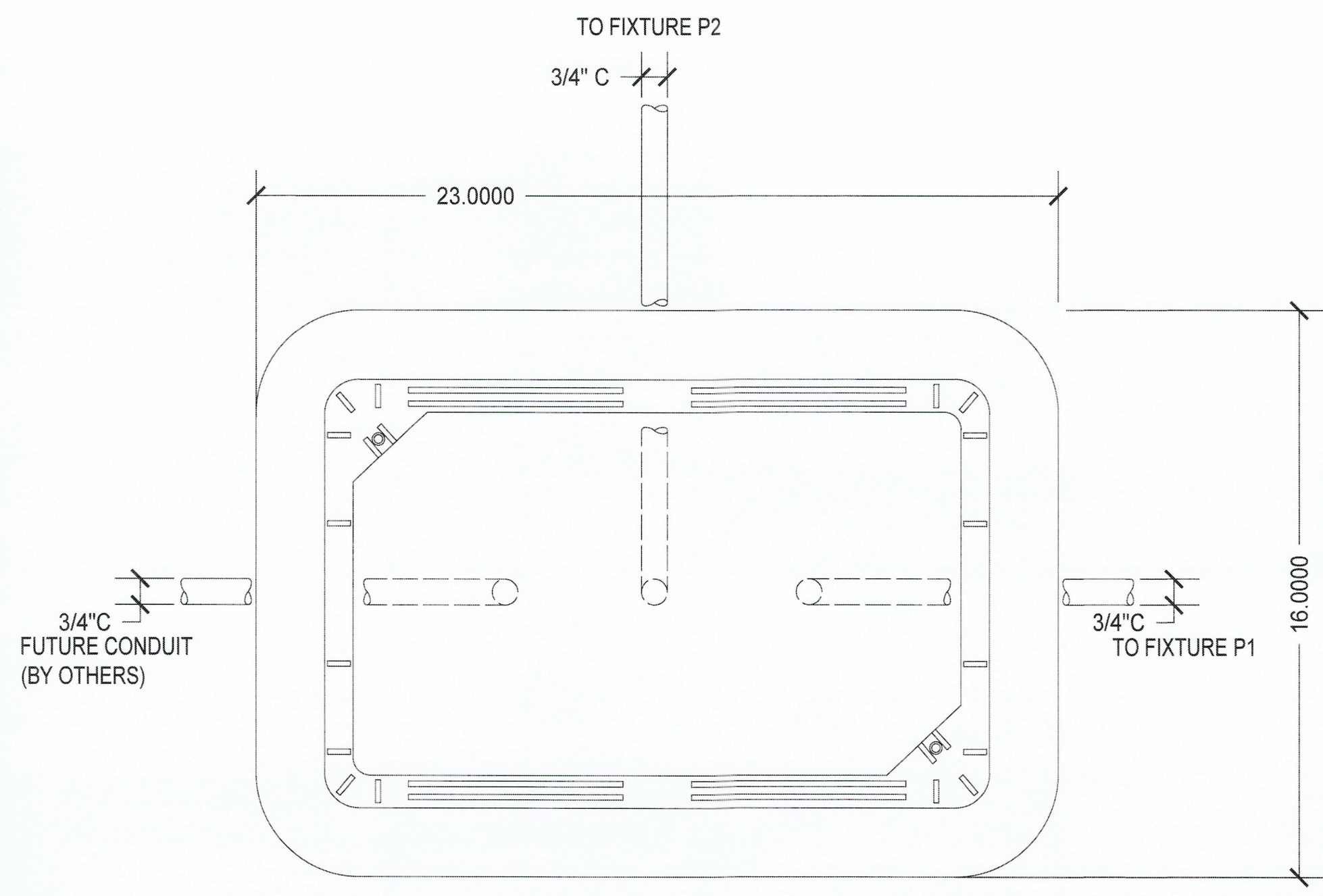
1 PHOTOMETRICS
 E2.0 SCALE: 1" = 20' - 0"

LUMINAIRE SCHEDULE

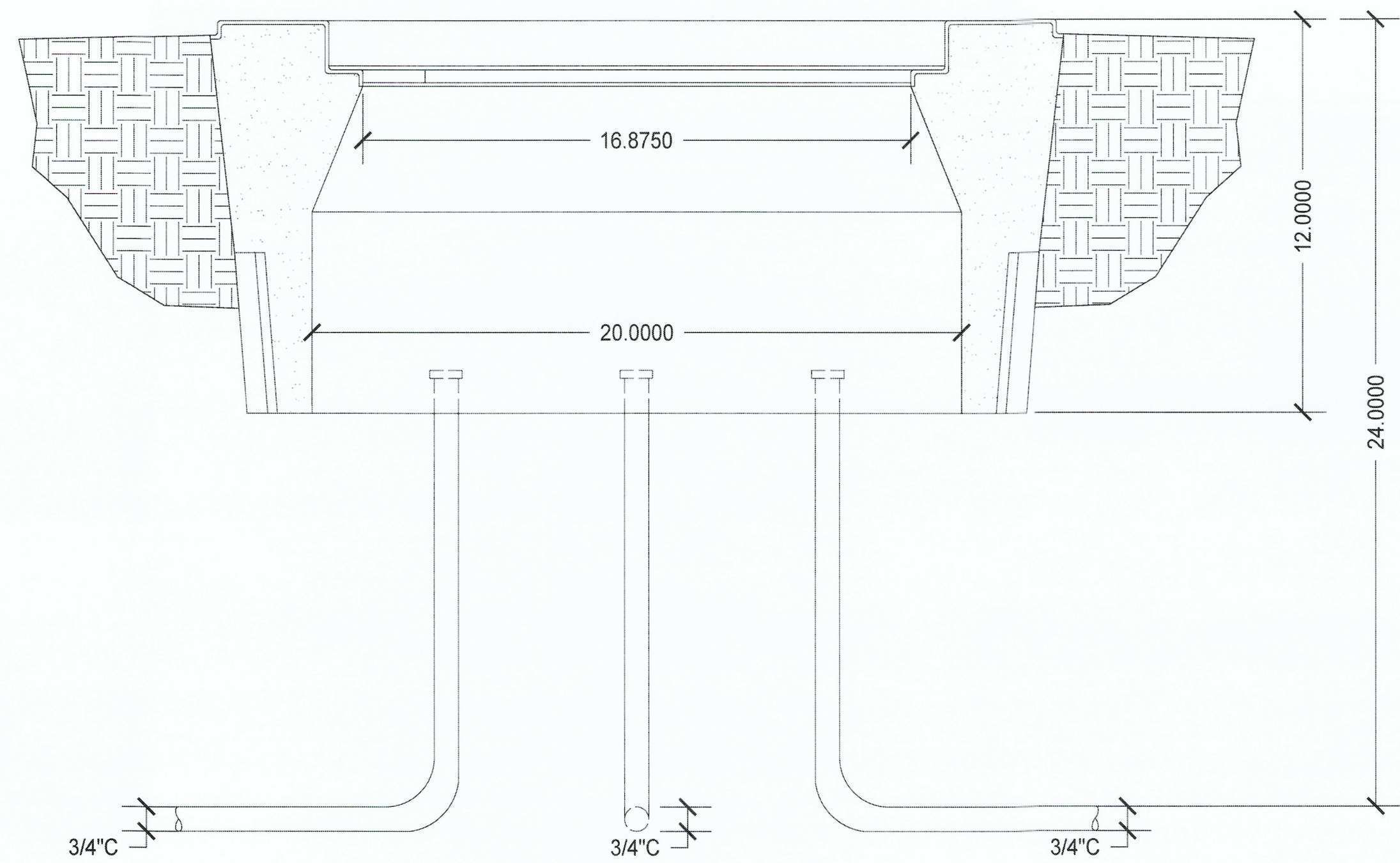
| TYPE | DESCRIPTION | PRODUCT | QUANTITY | LAMP/DRIVER | VOLTAGE | WATTS | LUMENS | COLOR TEMP/CRI | DIMMING | CONTROLS | MOUNTING | REMARKS |
|------|------------------------------|---|----------|-------------|------------------|-------|--------|----------------|---------|---|-------------------------------|--|
| P1 | LSI LIGHTING VALM POLE LIGHT | VALM-30L-5QW-UNV-30K7-BLK-SA-CR7P AND TWIST-LOCK PHOTOCELL 122515 | 4 | LED | 240V / UNIVERSAL | 179 | 27675 | 3000K / 70CRI | NONE | 7-PIN PHOTOCELL RECEPTACLE WITH TWIST-LOCK 240V PHOTOCELL | UNIVERSAL SIDE-ARM POLE MOUNT | DUAL (D180) FIXTURES, 5QW OPTICAL DISTRIBUTION / B5-U0-G4, PHOTOCELL CONTROLLED, BLACK FINISH, FUSED IN POLE HANDHOLE. |



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1 HANDHOLE PLAN VIEW
E3.0 SCALE: 3" = 1' - 0"



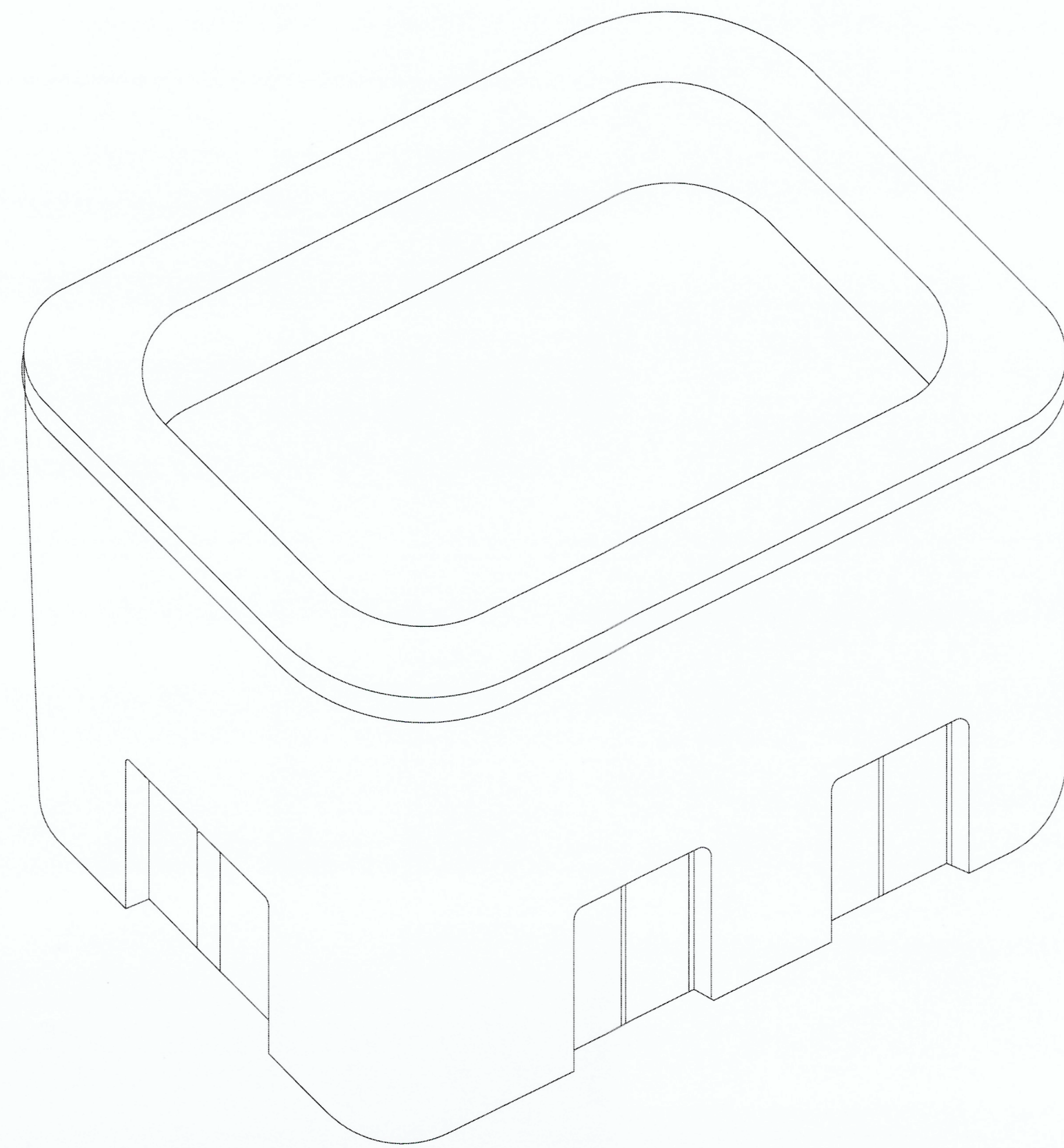
2 HANDHOLE SECTION DETAIL
E3.0 SCALE: 3" = 1' - 0"

GENERAL NOTES:

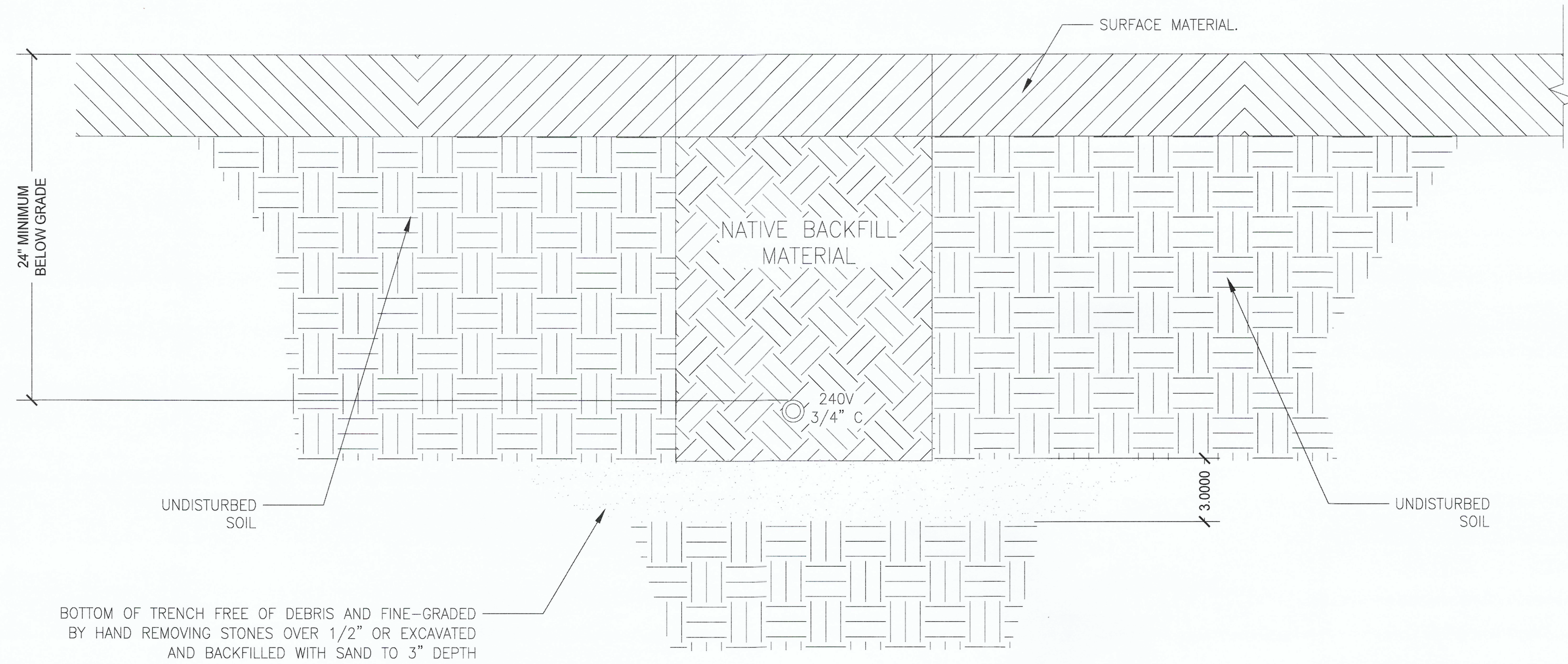
1. REFER TO PROJECT SPECIFICATIONS FOR GENERAL ELECTRICAL NOTES.

CONSTRUCTION NOTES:

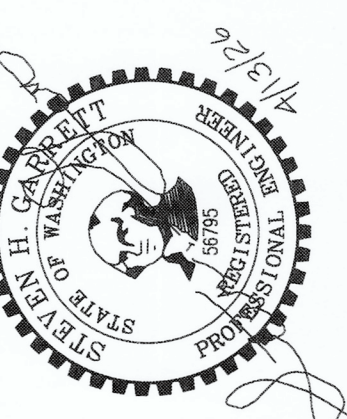
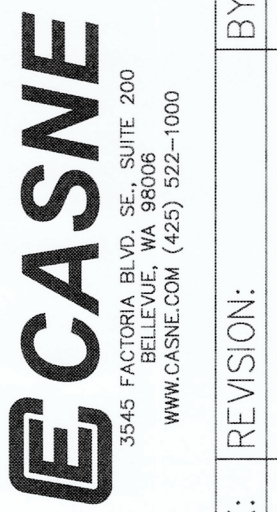
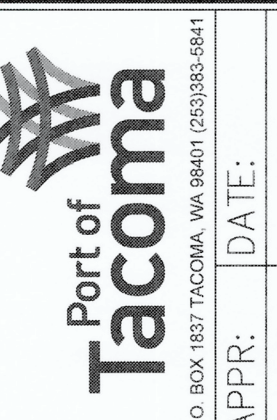
1. PROVIDE AND INSTALL CONCRETE HANDHOLE/PULLBOX PER SPECIFICATION 26-05-43. HANDHOLE ILLUSTRATED HERE IS FOR MINIMUM DIMENSION REFERENCE ONLY, AND MAY NOT DEPICT ALL HANDHOLE REQUIREMENTS.



3 TYPICAL HANDHOLE DETAIL
E3.0 SCALE: 3" = 1' - 0"



4 TYPICAL TRENCH DETAIL
E3.0 SCALE: NONE



| | |
|--------------------------------|--------------|
| CHECKED BY | DATE |
| PROJ. ENGR | DATE |
| PRINTED BY: steven.garrett | Apr 08, 2016 |
| PORT ADDRESS: ONE SITCOM PLAZA | |
| TACOMA, WA 98401-1837 | |

APPROVED: *Steven Garrett*
DIRECTOR ENG. DATE: 4/8/16

**PORT OF TACOMA 11TH ST.
HANDHOLE AND TRENCH DETAILS**

| | | | | | | | |
|-------------|-------------|-----------|---------|----------------|--------------|----------|-------------|
| CONT./CONS: | PA000000123 | TOWNSHIP: | 21 | RANGE: | 03 | SECTION: | 34 |
| M. ID: | 201218.01 | DAT-HRZ: | WA83-SF | VERT: | MILLW 19.39' | @ | Tee 22 1933 |
| PHASE: | BID | PARCEL: | | DRAWING SCALE: | AS NOTED | | |

E3.0
SH # 14 OF 15

| H1.2 | | | | | | | | | | | | | | | | | | |
|---|------------|-------------|-----------|--|-----------|------------|-------|--|---|--------|------------|--|-----------|-------------------------|-----------|------------|-------|--------|
| VOLTS: 240/120V PH & WIRE: 1Ø, 3W BUS RATING: UNKNOWN | | | | MAIN BREAKER: XXX OR MLO PANEL AIC RATING: UNKNOWN FED FROM: UNKNOWN | | | | FEEDER COND.: UNKNOWN MOUNTING: SURFACE NCLOSURE: NEMA 1 | | | | INSTALL DATE: XX/XX/XXXX REV. VERSION: ORIGINAL REV. DATE: 9/21/2025 | | | | | | |
| CKT. # | BKFR. AMPS | BKFR. POLES | WIRE SIZE | CIRCUIT DESCRIPTION | LOAD TYPE | LOAD (KVA) | NOTES | CIRCUIT PHASE | | CKT. # | BKFR. AMPS | POLES | WIRE SIZE | CIRCUIT DESCRIPTION | LOAD TYPE | LOAD (KVA) | NOTES | CKT. # |
| | | | | | | | | A | B | | | | | | | | | |
| 1 | | | | SPACE | G | | | | | 2 | | | | SPACE | G | | | 2 |
| 3 | | | | SPACE | G | | | | | 4 | | | | SPACE | G | | | 4 |
| 5 | 20 | 1 | | RECEPT. | G | | | | | 5 | | | | RECEPT, UPS RECEPT | G | | | 6 |
| 7 | 20 | 1 | | RECEPT. | G | | | | | 7 | | | | RECEPT | G | | | 8 |
| 9 | 20 | 1 | | LITES | G | | | | | 9 | | | | HEATER | G | | | 10 |
| 11 | 20 | 1 | | VENTILATION | G | | | | | 11 | | | | - | G | | | 12 |
| 13 | 20 | 1 | | CAMERA VS-SIT008 | G | | | | | 13 | | | | BA-SIT001 | G | | | 14 |
| 15 | 20 | 1 | | HUT CAMERA | G | | | | | 15 | | | | - | G | | | 16 |
| 17 | 20 | 2 | #8 | LIGHTING POLE P1 | G | 1.79 | 1,2 | | | 17 | | | | BA-SIT001 CONTROL POWER | G | | | 18 |
| 19 | 20 | 2 | #8 | - | G | 1.79 | 1,2 | | | 19 | | | | SPACE | G | | | 20 |
| 21 | | | | SPACE | G | | | | | 21 | | | | SPACE | G | | | 22 |
| 23 | | | | SPACE | G | | | | | 23 | | | | SPACE | G | | | 24 |
| 25 | | | | SPACE | G | | | | | 25 | | | | SPACE | G | | | 26 |
| 27 | 20 | 1 | | SPACE | G | | | | | 27 | | | | SPACE | G | | | 28 |
| 29 | 20 | 1 | | SPACE | G | | | | | 29 | | | | SURGE PROTECTION | G | | | 30 |
| 31 | 20 | 1 | | SPACE | G | | | | | 31 | | | | SURGE PROTECTION | G | | | 32 |

| CONNECTED LOAD SUBTOTAL (PER PHASE) | | 2 | 2 | (KVA) |
|-------------------------------------|--|-----------------|----|--------|
| | | 15 | 15 | (AMPS) |
| TOTAL CONNECTED LOAD | | 3.58 LOAD (KVA) | | |
| TOTAL DEMAND LOAD | | 3.58 LOAD (KVA) | | |
| METERED LOAD (PER PHASE) | | 0 | 0 | (KVA) |
| | | | | (AMPS) |
| TOTAL METERED LOAD | | 0.00 LOAD (KVA) | | |
| | | 0 LOAD (AMPS) | | |

| NEW LOAD WORKSHEET | | | |
|--------------------------------|------|--------|--|
| METERED DATA COLLECTION NOTES: | | | |
| SUBTRACTED LOAD: | 0.00 | (KVA) | |
| ADDED LOAD: | 0.00 | (KVA) | |
| 125% METERED LOAD: | 0.00 | (KVA) | |
| TOTAL EXPECTED LOAD: | 0.00 | (KVA) | |
| TOTAL EXPECTED LOAD: | 0 | (AMPS) | |

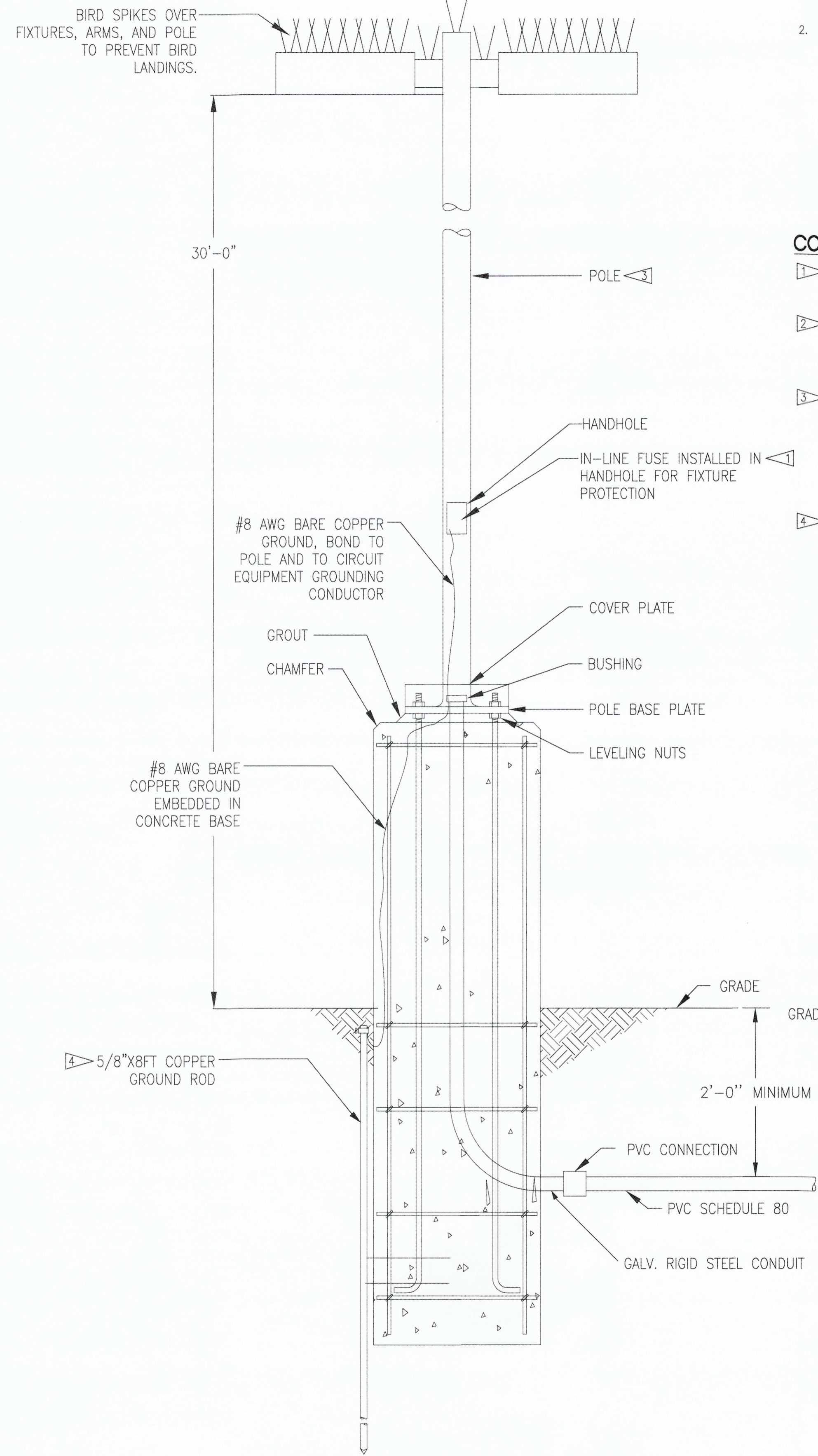
1 H1.2 PANEL SCHEDULE
E4.0

| Voltage/Description of Electric Facilities | Horizontal Clearance Requirements (min.) [1] | Vertical Clearance Requirements (min.) [2] |
|--|--|--|
| 750 Volts to 50 kV | 14 ft. | 17 ft. |
| 115 kV | 15 ft. | 18 ft. |
| 230 kV | 17 ft. | 20 ft. |

[1] Tacoma Power Construction Standards prohibit building/structure construction within 4 ft. of existing poles.
 [2] Tacoma Power Customer Service Policy prohibits construction of structures beneath overhead primary electrical lines.

TABLE EXTRACTED FROM TACOMA POWER STANDARD C-OH-9020 DATED DECEMBER 13, 2023.

A TACOMA POWER CLEARANCES
E4.0



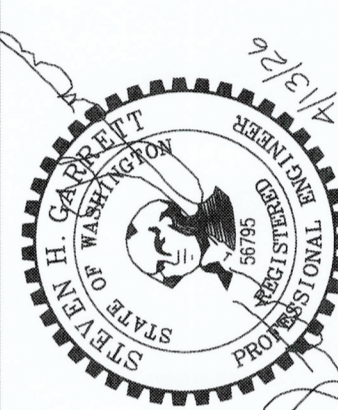
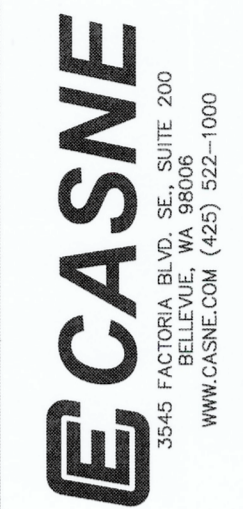
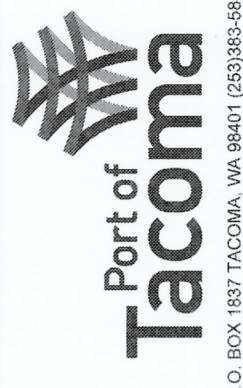
2 TYPICAL LIGHT POLE SECTION DETAIL
E4.0 SCALE: NTS

GENERAL NOTES:

- REFER TO PROJECT SPECIFICATIONS FOR GENERAL ELECTRICAL NOTES.
- MAINTAIN MINIMUM CLEARANCES FROM EXISTING TACOMA POWER EQUIPMENT AND OVERHEAD LINES. SEE TACOMA POWER STANDARD C-OH-9020 FOR DETAILS. CLEARANCE TABLES PROVIDED IN DETAIL A (THIS DRAWING) FOR REFERENCE.

CONSTRUCTION NOTES:

- PROVIDE AND INSTALL 2-POLE 3A 600VAC IN-LINE FUSE.
- PROVIDE 2-POLE BREAKER IN EXISTING PANEL H1.2, MATCH EXISTING BREAKER TYPE.
- PROVIDE 30' STEEL LIGHT POLE. USE LSI INDUSTRIES 5RP-B5-S07G-30-D180-GA-DGP OR SIMILAR WITH SQUARE BASE COVER AND GALVANIZED ANCHOR BOLTS. PROVIDE POLE FOOTING PER CIVIL/STRUCTURAL DETAILS.
- PROVIDE AUXILIARY GROUND ROD AND GROUNDING ELECTRODE CONDUCTOR FOR LIGHT POLE GROUNDING.



| APPROVED: | CHECKED BY: | DATE: |
|----------------------------|------------------|-------|
| <i>Steven Garrett</i> | | |
| DIRECTOR ENG. DATE: | PROJ. ENGR DATE: | |
| PRINTED BY: steven.garrett | Apr 08, 2026 | |
| PORT ADDRESS: SITUUM PLAZA | | |
| TACOMA, WA 98401-1837 | | |

PORT OF TACOMA 11TH ST.
PANEL SCHEDULE AND POLE DETAILS

E4.0
SH # 15 OF 15
CONT/CONS: PA000000123
M. ID: 201218.01
PHASE: BID

RANGE: 03 SECTION: 34
TOWNSHIP: 21
DATE-HRZ: WA83-SF
MILLW 19 39' @ Title 22 1933
VERT: DRAWING SCALE: AS NOTED
PARCEL: THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION