Port of Tacoma
People. Partnership. Performance.
P.O. Box 1837
Tacoma, WA 98401-1837
www.portoftacoma.com

[11/17/26]

TO: PLAN HOLDERS LIST

SUBJECT: PROCUREMENT NO. 092026-1058
WOODEN LIGHT POLE REPLACEMENT PROGRAM

ADDENDUM NUMBER 03

This addendum is issued to amend the following:

Plan Sheet C2.01:

Changed note and hatch style for access road to Pole 92.

Plan Sheet C3.01:

Changed work zone constraints

Plan Sheet E0.002:

Added Pole 13 to the plan

Plan Sheet E7.156:

Changed luminaire callouts.

Plan Sheet E8.029:

Changed nest note. Engineer will relocate nest prior to construction.

Plan Sheet E8.041:

Changed nest note. Engineer will relocate nest prior to construction.

Plan Sheet E8.102:

Changed nest note. Engineer will relocate nest prior to construction.

00 11 13 – Advertisement for Bids: (addendum 02)

Changed Bid Date to December 2nd, 2026

00 73 16 – Port Insurance Requirements:

Added sub paragraph to 1.03.F.

00 73 46 – Washington State Prevailing Wage Rates:

Changed applicable date for prevailing wages to December 2nd, 2026

01 10 00 – Summary:

Changed language from port provided to reused

01 14 00 – Work Restrictions:

Added language to 1.02.D.1 to clarify how the Greebrier access agreement shall be used.

01 20 00 – Price and Payment Procedures:

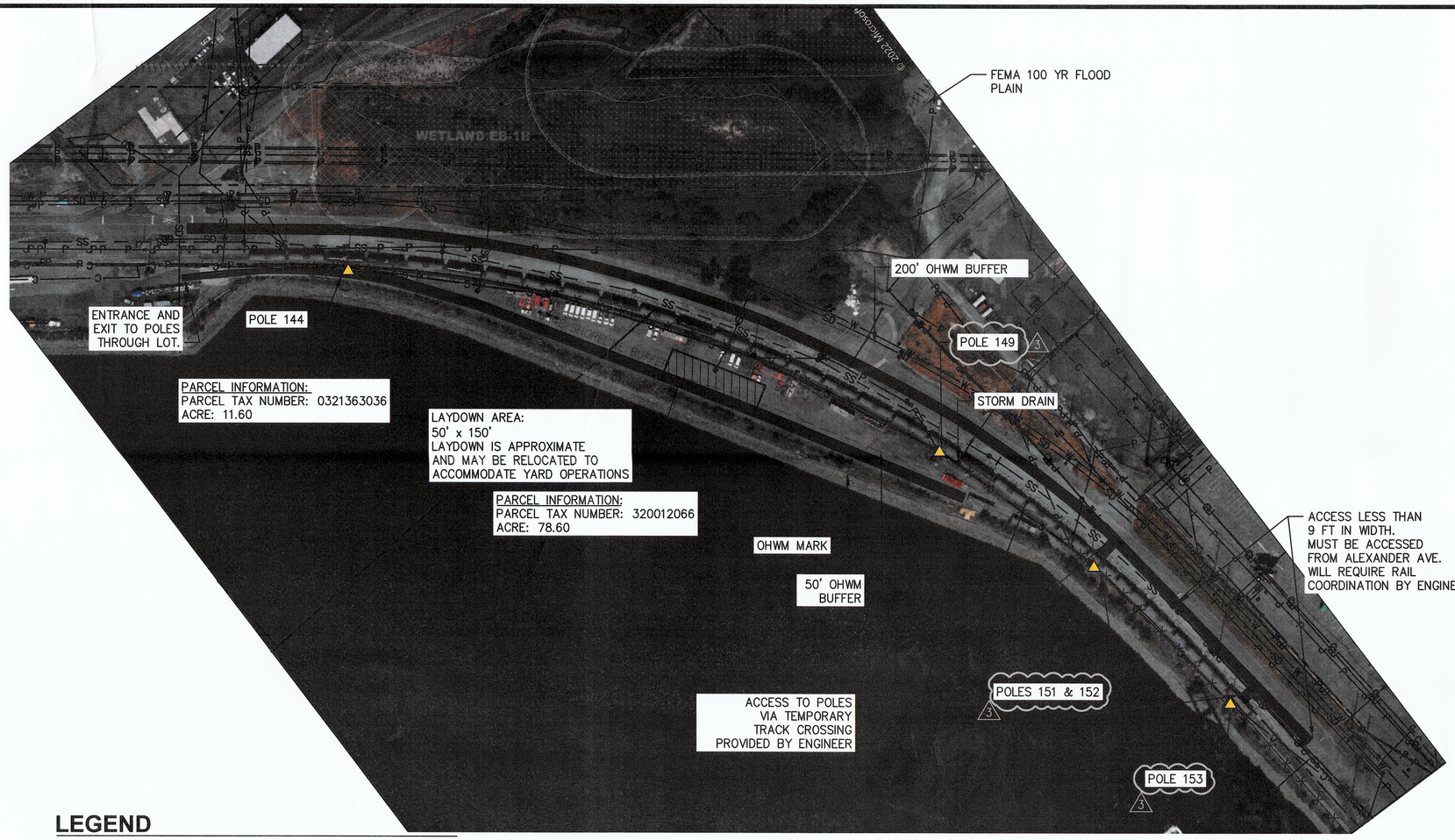
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Added sentence to Bid Item 32

31 23 19 – Dewatering:

Inserted new section 3.01 to establish durations for allowance of water testing.



EB1 SITE PLAN
SCALE: 1" = 100'

LEGEND

- LIGHT POLE LOCATION, SEE S1.01 FOR SCHEDULE
- ACCESS THROUGH SITE
- LAYDOWN AREA
- INLET PROTECTION
- TRACK SHUTDOWN (1 / C0.02)
- FENCE
- PROPERTY LINE
- EXISTING POWER LINES
- EXISTING COMMUNICATION LINES
- EXISTING STORM LINES
- EXISTING SANITARY SEWER LINES
- WETLAND BOUNDARY
- OHWM
- 50' OHWM BUFFER
- 200' OHWM BUFFER
- FEMA 100 YR FLOOD PLAIN BOUNDARY
- WETLAND BUFFER

SITE NOTES

1. SPECIFICATION SECTION 01 14 00 – WORK RESTRICTIONS FOR CONTRACTOR OPERATING RESTRICTIONS AND REQUIREMENTS WITH REGARD TO RAIL OPERATIONS AND TRACKS.
2. CONTRACTOR SHALL MONITOR AND/OR CLOSE/LOCK GATE AS DIRECTED BY THE ENGINEER.
3. THE ALEXANDER AVENUE CROSSING AT THE SITE ENTRANCE SUPPORTS HEAVY TRAFFIC DURING AUTO VESSEL DISCHARGES. CONTRACTOR SHALL SCHEDULE AND COORDINATE ACTIVITIES THROUGH THE ENGINEER TO AVOID TRAFFIC IMPACTS ON WORK ACTIVITIES.
4. WORK WITHIN 10 FEET OF THE RAIL REQUIRES A TRACK OUTAGE. NOTIFY ENGINEER OF REQUIRED OUTAGES (14) DAYS IN ADVANCE FOR RAIL COORDINATION.

GENERAL NOTES

1. THE ENGINEER SHALL PROVIDE CLEAR LAYDOWN AND POLE WORK AREAS FREE OF CONTAINERS, EQUIPMENT, AND GENERAL OPERATIONAL MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY LOCATION OF ECOLOGY BLOCKS.
2. THE SIZE OF EACH POLE WORK AREA SHALL BE AGREED UPON OR MODIFIED BY THE CONTRACTOR AND PORT PRIOR TO SITE MOBILIZATION.

LIGHT POLE HORIZONTAL CONTROL POINTS

POINT	NORTHING	EASTING
POLE 144	707611.31	1174785.55
POLE 149	706793.57	1175230.40
POLE 151	706510.54	1175277.70
POLE 152	706509.56	1175278.04
POLE 153	706211.75	1175280.95

0 80 160 240
SCALE IN FEET

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kpff
2407 North 31st Street, Suite 100
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MARK:	REVISION:	BY:	APPR:	DATE:
3	ADDENDUM #3	JAV	SWK	11/13/2026

WADE KINGSLEY WEEK — STATE OF WASHINGTON — 27731 — REGISTERED PROFESSIONAL ENGINEER

APPROVED:
DIRECTOR ENG. DATE
PRINTED BY: jvossos Nov 18, 2026
PORT ADDRESS: ONE SITCUM WAY
TACOMA, WA, 98421

JAV 07/31/26
CHECKED BY DATE
SWK 07/31/26
PROJ. ENGR DATE

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
PARCEL 17 (EB1)

6691
C3.01
8 OF 147

CONT/CONS: 07196
M. ID: 201148.01
PHASE: BID SET

TOWNSHIP: 21N
DAT–HRZ: W83–SF
PARCEL:

RANGE: 03E
VERT:

SECTION: 34
DRAWING SCALE:

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BINDING EDGE

PORT OF TACOMA FILE: X:\TAC\2022\2200124 PoT Light Pole Replacement Program\Drawings\PERMIT SET\Site Plan - EB1



PARCEL INFORMATION

TAX PARCEL NUMBER: 2275200650
ACRES: 8.04

SITE NOTES

1. SEE SPECIFICATION SECTION 01 14 00 – WORK RESTRICTIONS FOR CONTRACTOR OPERATING RESTRICTIONS AND REQUIREMENTS WITH REGARD TO RAIL OPERATIONS AND TRACKS.
2. ACCESS TO POLE SHALL BE SCHEDULED IN ADVANCE AND COORDINATED THROUGH THE ENGINEER.

SOUTH INTERMODAL (SIM) YARD SITE PLAN

SCALE: 1" = 80'

GENERAL NOTES

1. THE ENGINEER AND/OR TENANT SHALL PROVIDE CLEAR LAYDOWN AND POLE WORK AREAS FREE OF CONTAINERS, EQUIPMENT, AND GENERAL OPERATIONAL MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY RELOCATION OF ECOLOGY BLOCKS.
2. THE LOCATION AND SIZE OF EACH POLE WORK AREA SHALL BE COORDINATED PRIOR TO SITE MOBILIZATION.

LIGHT POLE HORIZONTAL CONTROL POINTS

POINT	NORTHING	EASTING
POLE 89	709609.41	1165923.94
POLE 92	708832.43	1166383.33

LEGEND

- LIGHT POLE LOCATION, SEE S1.01 FOR SCHEDULE
- ACCESS THROUGH SITE
- LAYDOWN AREA
- INLET PROTECTION (1 / C0.02)
- FENCE
- PROPERTY LINE
- EXISTING POWER LINES
- EXISTING COMMUNICATION LINES
- EXISTING STORM LINES
- EXISTING SANITARY SEWER LINES

0 80 160 240
SCALE IN FEET

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(253) 396-0150 Fax (253) 396-0162

MARK:	REVISION:	BY:	APPR:	DATE:
3	ADDENDUM #3	JAV	SWK	11/17/26

WADE KINGSLEY
STATE OF WASHINGTON
16628
REGISTERED PROFESSIONAL ENGINEER

JAV 07/31/26
CHECKED BY DATE
SWK 07/31/26
PROJ. ENGR DATE

APPROVED:
DIRECTOR ENG. DATE

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
PARCEL 69A (SIM)

PRINTED BY: jvossos Nov 18, 2026
PORT ADDRESS: ONE SITCUM WAY
TACOMA, WA, 98421
DRAWING SCALE:

6691
C2.01
8 OF 147

TOWNSHIP: 21N | RANGE: 03E | SECTION: 34
VERT:
PARCEL:
CONT/CONS: 07196
M. ID: 201148.01
PHASE: BID SET

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Aerial Imagery Attribution: Maxar ©CNES (2023) Distribution Airbus DS

BINDING EDGE

TACOMA HARBOR

Commencement Bay

Parcel 1A-TOTE (E2.005)

Parcel 27-NIM (E2.006)

Parcel 27-Terminal 7 (E2.007)

Parcel 69A-SIM Yard (E2.002)

Parcel 69-UP Yard (E2.001)

Parcel WHT-Log Yard (E2.004)

Parcel 17-EB1 (E2.003)

Hylebos Waterway

Blair Waterway

Puyallup River

Marine View Dr

Taylor Way

Norpoint Way

Lincoln Ave

Alexander Ave

Pyallup Nation Land

Puyallup Ave

Pacific Highway E

Marshall Ave

N Frontage Rd

Auto Loading

Tacoma Rail

Milwaukee Way

Ross Way

Port of Tacoma Rd

Alexander Ave E

54th Ave E

Portland Ave

Marc Ave

Lincoln Loop

Earley Business Center (EBC)

Student Services

Safe Boats

Tope Tractor & Services Inc.

Sound Refining Cove

Storey Pit

Puget Sound Energy

E 11th St

American Construction

MacMillan-Piper

Edman Log Yard

Seaport Sound Terminal

Northwest Container Services

Trident Metals

Julia's Gulch

Orion Marine

Graymont Western US

Handan Inc.

Georgia Pacific Gypsum

GPUS Portside North

GPUS Portside South

Northwest Container Services

Superior Plastic Pipe Co

Thermo Fluids

Alaska West Express

Harbor Hybbos Marina

MacKenzie Marine

Carlile Transportation Systems

JCI Jones Chemical

Manke Lumber Co

Schnitzer Steel

PMA

Gardner

Prologis Park Tacoma

Pacific NW

Stretch Bros. Inc

ABB Turbocharger

Nordlund Boat Co

Calbag Metals

Parcel 88 North

Place of Circling Waters

Bonneville & Tacoma Power

Tacoma Power Substation

Pierce County Terminal (PCT)

PCT Intermodal Yard

Truck Staging

Tigers Global Logistics

Prologis Park Tacoma

US Customs & Border Protection

Taylor Way Auto Facility

Marshall Ave Auto Facility

Autos

West Sitcum Terminal (SSAT)

Pier 3 Husky Terminal

Pier 4

Husky Gate

W Sitcum Gate

Exit Gate

W Sitcum Main Gate

Milwaukee Way

South Intermodal Yard (SIM)

UP Yard

ROAD CLOSED

Matson

Shippers Transport Express

Stryder Motorfreight

SBS Transportation

Milwaukee Habitat Area

Concrete Technology

Tacoma Steamship Center

Pacific Pride Building

Port Admin Building

Pacific Pride

Pacific Pride Petroleum

Pac-Van

US Oil

Sea-Pac Transport

NTR Logistics

Thorne Rd

Pericle Thorne Rd

Lot F

Historic Tacoma Metals

Maxwell Way

Jones Stevedoring

Timco

Sunset Landscape Materials

Pacific Coast Recycling

Bay Engine & Transmission

PCC Logistics

PABCO Roofing Products

Tacoma Metals

Washington United Terminals (WUT)

Hyundai Intermodal Yard (HIM)

WUT Gate

Blair Terminal

East Blair 1 Terminal (EB-1)

EB1 Gate

WWIT

Log Yard

Portland Gen Ele

Quiet Rivers

United & Motor Freight

Tri-Pak #1

Western Warehousing

McFarland Cascade

Palette Services

D&B Trucking

GCD Tires & Svc

US Oil

PCC Logistics

Fire Station #6

Tri-Pak #4

Infinity Global Express

Tacoma Truck Wash

Life Express

Tri-Pak #5

PCC Logistics

Quality Transport

MacMillan-Piper

Arrow Reload

Pacific Pride

Rex Pegg Fabrics

Recovery One

Fred Tebb & Sons

GEF Logistics

NW Carriers

SSA Marine

Six Robblees

Tacoma Fire Training Center

Elite One Transportation

AWC

Mitco

Google Hi-te Wetlands

Darling International

American Promotional Events

Arclin

Gog-le-hi-te2 Wetlands

Lineage Logistics

Pepsico/Quaker

Americold

Ryder

Veneer chip Transport

Big Truck Service

Erker's Truck Repair

Commercial Brake & Clutch

Goodyear Tire & Service

Shell

Love's Travel Stop

Fabulich Center & Port Security

Wescraft RV & Truck

Progress Rail Services

ILWU Local 23

Tahoma Market

Pacific Pride

BNSF Tacoma Yard

APP

Pilot Express

to UP Tacoma Yard

REGIONAL MAP
Seattle and Tacoma Harbors

Seattle

THE NORTHWEST SEAPORT ALLIANCE

Seattle Harbor

Renton

SeaTac

Puget Sound

Des Moines

Kent

Federal Way

Auburn

Tacoma

Tacoma Harbor

Fife

Puyallup

LEGEND

- Gate
- Customs & Border Protection
- Transload Facility
- Fueling Station
- Cold Storage Facility
- Truck Service/Wash
- Container Crane
- Rail Yards
- NWSA Terminals
- Port of Tacoma Properties
- Habitat/Open Space
- Heavy Haul Corridor
- Major Truck Routes
- Rail
- XX Light Pole #

0 0.05 0.1 0.2 0.3 0.4M

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1	ADDENDUM #3	ALB	SMB	11/18/2026

SEAN M. BOLLEN, STATE OF WASHINGTON, 35726, REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY	ALB	07/31/26
CHECKED BY	SMB	07/31/26
DIRECTOR ENG.	DATE	
PROJ. ENGR	DATE	
PRINTED BY:	07/31/26	
PORT ADDRESS:	ONE SITCUM PLAZA	
	TACOMA, WA 98401-1837	

APPROVED:

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
ELECTRICAL VICINITY MAP

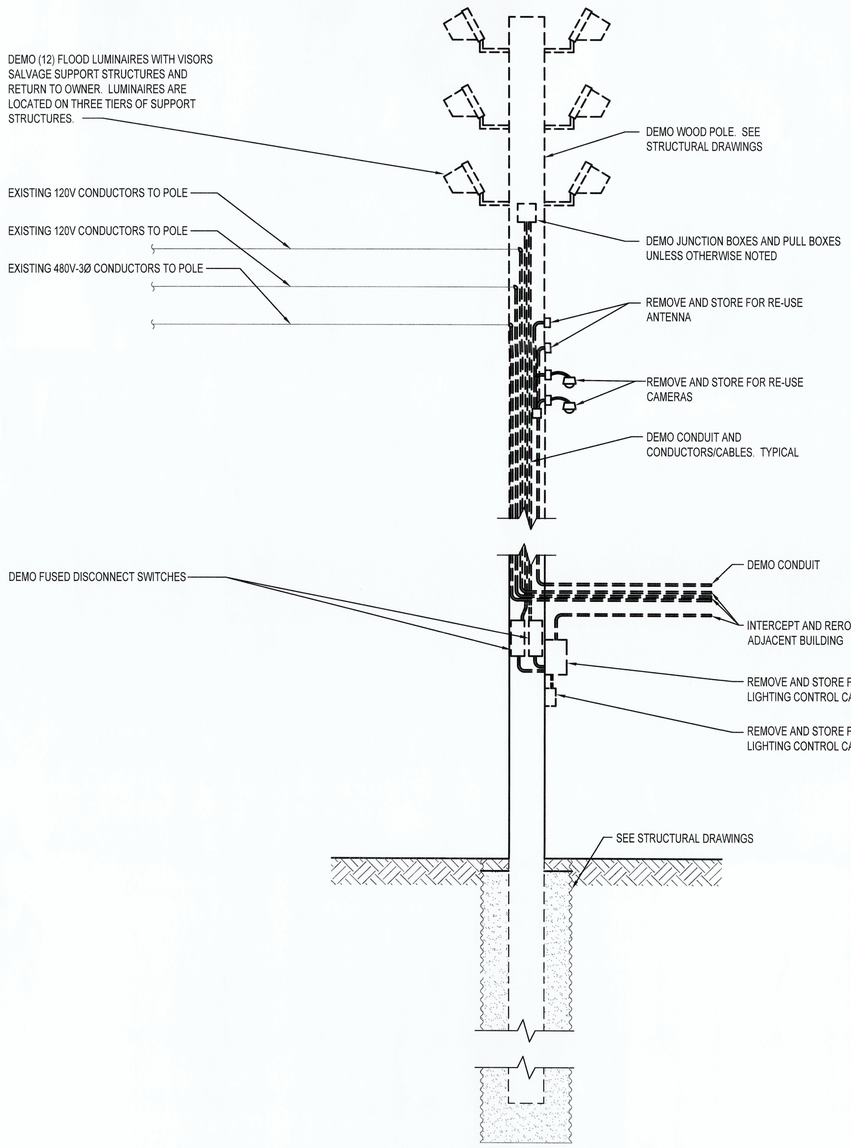
CONT/CONS:	07196	TOWNSHIP: 21N	RANGE: 3E
M. ID:	201148.01	DAT-HRZ: W83-SF	VERT: PORT OF TACOMA BM#
PHASE:	BID SET	PARCEL:	DRAWING SCALE: NONE

6691
E0.002
44 OF 147

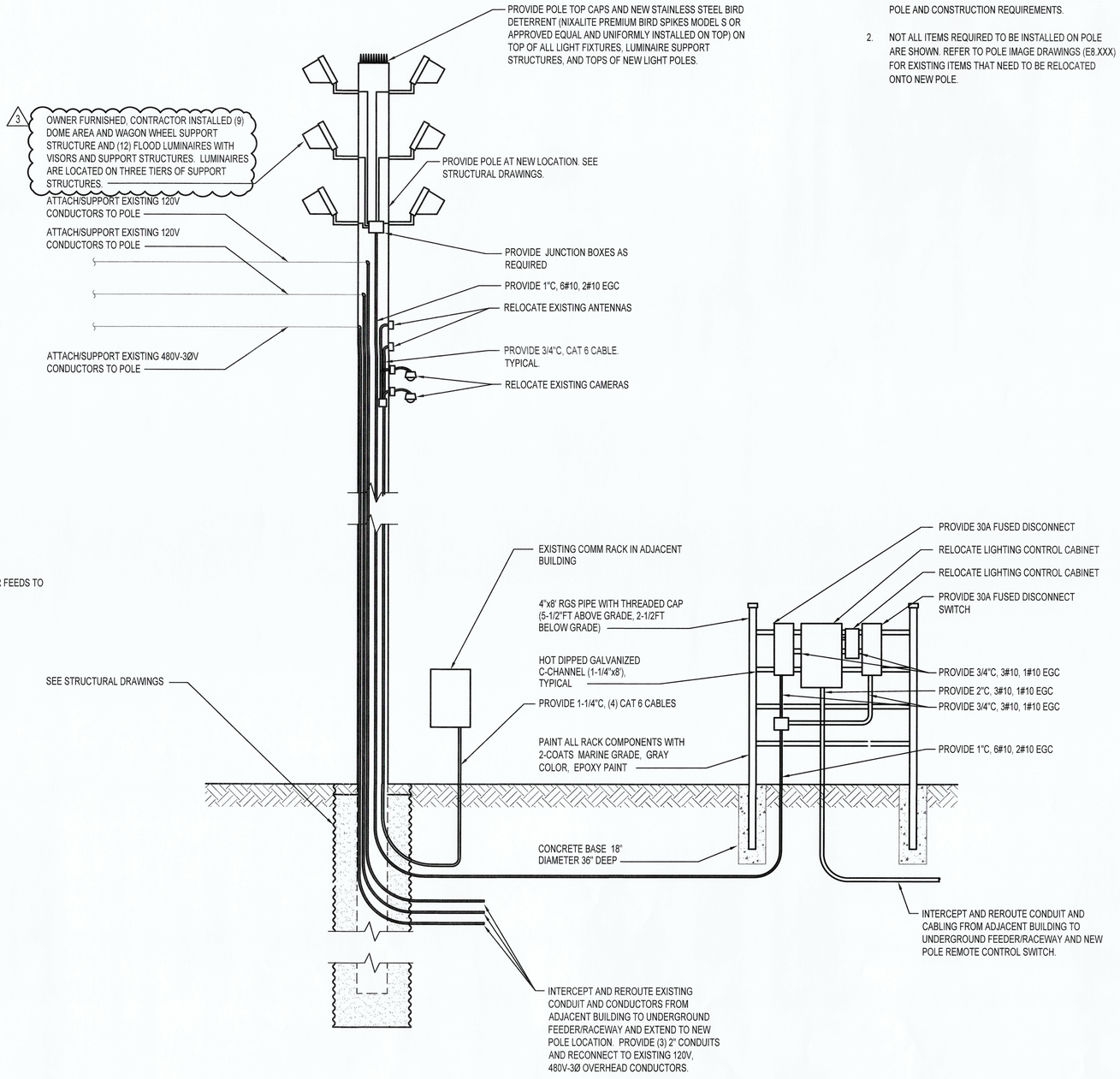
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BINDING EDGE



1 E2.004 POLE 156 - DEMO
NTS



2 E2.004 POLE 156 - NEW
NTS

GENERAL NOTES:

1. REFER TO SHEET E0.003 AND E0.004 FOR ADDITIONAL POLE AND CONSTRUCTION REQUIREMENTS.
2. NOT ALL ITEMS REQUIRED TO BE INSTALLED ON POLE ARE SHOWN. REFER TO POLE IMAGE DRAWINGS (E8.XXX) FOR EXISTING ITEMS THAT NEED TO BE RELOCATED ONTO NEW POLE.

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SEAN M. BOLLAN STATE OF WASHINGTON 35726 REGISTERED PROFESSIONAL ENGINEER

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SMB	07/31/26			
PROJ. ENGR	DATE			

APPROVED:
DIRECTOR ENG. DATE
PRINTED BY: 07/31/26

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
POLE DETAILS - POLE 156

CONT/CONS: 07196	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID: 201148.01	DAT–HRZ: W83–SF	VERT: PORT OF TACOMA BM#	
PHASE: BID SET	PARCEL:	DRAWING SCALE: NONE	

PORT ADDRESS:ONE SITCUM PLAZA
TACOMA, WA 98401–1837

6691
E7.156
99 OF 147

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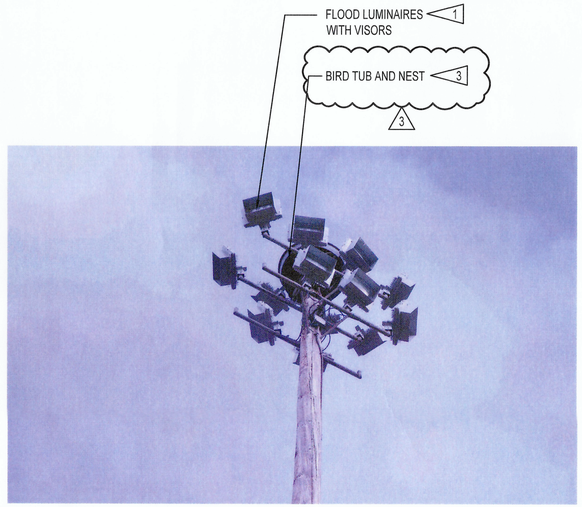
BINDING EDGE



1 POLE 29 - PHOTO
E2.006 NTS



2 POLE 29 - PHOTO
E8.029 NTS



3 POLE 29 - PHOTO
E8.029 NTS



4 POLE 29 - PHOTO
E8.029 NTS

GENERAL NOTES:

1. REFER TO SHEET E0.003 AND E0.004 FOR ADDITIONAL POLE AND CONSTRUCTION REQUIREMENTS.

SHEET NOTES:

1. REMOVE AND STORE FOR REUSE LUMINAIRES AND SUPPORT STRUCTURES.
2. DEMO ENCLOSED CIRCUIT BREAKERS.
3. BIRD TUB AND NEST TO BE RELOCATED BY THE PORT OF TACOMA.

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3	ADDENDUM #3	ALB	SMB	11/18/2026

SEAN M. BOLLEN
STATE OF WASHINGTON
35726
REGISTERED
PROFESSIONAL ENGINEER

APPROVED:
DIRECTOR ENG. DATE

ALB	07/31/26		
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PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
POLE IMAGES - POLE 29

6691
E8.029
113 OF 147

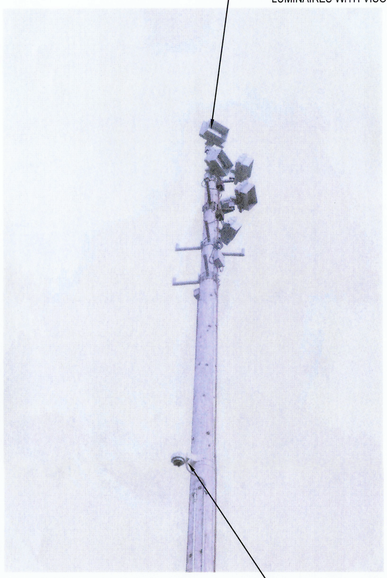
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M. ID:	201148.01	DAT-HRZ: WB3-SF	VERT: PORT OF TACOMA BM#
PHASE:	BID SET	PARCEL:	DRAWING SCALE: AS SHOWN

SECTION: 34
PORT ADDRESS:ONE SITCUM PLAZA
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PORT OF TACOMA FILE: G:\2022\22039\00\DWG\E\E8.029

BINDING EDGE



1 E2.006 POLE 41 - PHOTO
NTS



2 E8.041 POLE 41 - PHOTO
NTS



3 E8.041 POLE 41 - PHOTO
NTS



4 E8.041 POLE 41 - PHOTO
NTS

GENERAL NOTES:

1. REFER TO SHEET E0.003 AND E0.004 FOR ADDITIONAL POLE AND CONSTRUCTION REQUIREMENTS.

SHEET NOTES:

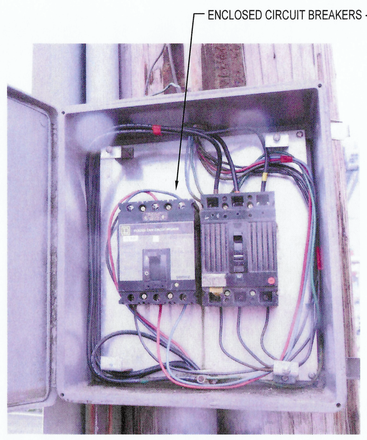
1. REMOVE AND STORE FOR REUSE LUMINAIRES AND SUPPORT STRUCTURES.
2. DEMO POWER PULL BOX.
3. DEMO ENCLOSED CIRCUIT BREAKER.
4. REMOVE AND STORE FOR REUSE UPS AND POWER WHIP.
5. REMOVE AND STORE FOR REUSE CAMERA.
6. REMOVE AND STORE FOR REUSE COMM ENCLOSURE AND EQUIPMENT.
7. REMOVE AND STORE FOR REUSE. REINSTALL ON NEW POLE AT SAME HEIGHT AND ORIENTATION.
8. BIRD TUB AND NEST TO BE RELOCATED BY THE PORT OF TACOMA. 3



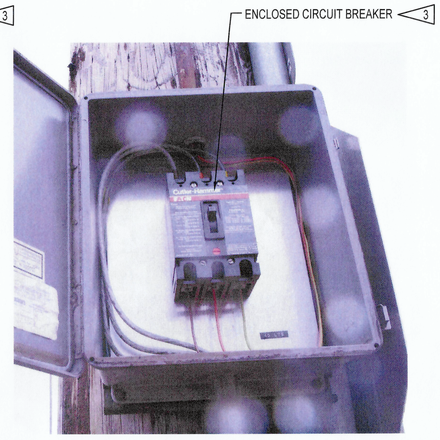
5 E8.041 POLE 41 - PHOTO
NTS



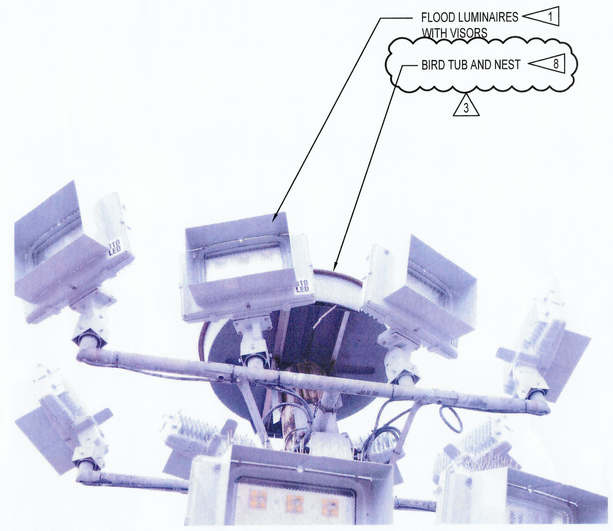
6 E8.041 POLE 41 - PHOTO
NTS



7 E8.041 POLE 41 - PHOTO - ENCLOSED CIRCUIT BREAKERS
NTS



8 E8.041 POLE 41 - PHOTO - ENCLOSED CIRCUIT BREAKER
NTS



9 E8.041 POLE 41 - PHOTO
NTS

PORT OF TACOMA FILE: G:\2022\22039\00\DWG\E\E8.041

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3	ADDENDUM #3	ALB	SMB	11/18/2026

SEAN M. BOLLER, STATE OF WASHINGTON, 35726, REGISTERED PROFESSIONAL ENGINEER

ALB	07/31/26	APPROVED:	
CHECKED BY	DATE		
SMB	07/31/26	DIRECTOR ENG.	DATE
PROJ. ENGR	DATE	PRINTED BY: 07/31/26	

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
POLE IMAGES - POLE 41

CONT/CONS: 07196	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID: 201148.01	DAT–HRZ: W83–SF	VERT: PORT OF TACOMA BM#	PORT ADDRESS:ONE SITCUM PLAZA
PHASE: BID SET	PARCEL:	DRAWING SCALE: AS SHOWN	TACOMA, WA 98401–1837

6691
E8.041
120 OF 147

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BINDING EDGE



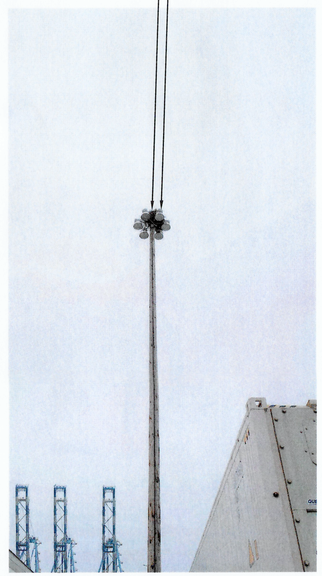
1 E2.005 POLE 102 (LP-6) - PHOTO
NTS



2 E8.102 POLE 102 (LP-6) - PHOTO
NTS



3 E8.102 POLE 102 (LP-6) - PHOTO
NTS



4 E8.102 POLE 102 (LP-6) - PHOTO
NTS

GENERAL NOTES:

1. REFER TO SHEET E0.003 AND E0.004 FOR ADDITIONAL POLE AND CONSTRUCTION REQUIREMENTS.

SHEET NOTES:

1. REMOVE AND STORE FOR REUSE LUMINAIRES AND SUPPORT STRUCTURES.
2. DEMO POWER PULL BOX.
3. DEMO ENCLOSED CIRCUIT BREAKERS.
4. BIRD TUB AND NEST TO BE RELOCATED BY THE PORT OF TACOMA.

3

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1	ADDENDUM #3	ALB	SMB	11/18/2026

SEAN M. BOLLEN
STATE OF WASHINGTON
35726
REGISTERED
PROFESSIONAL ENGINEER

ALB	07/31/26		
CHECKED BY	DATE		
SMB	07/31/26		
PROJ. ENGR	DATE		

APPROVED:
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PRINTED BY: 07/31/26
PORT ADDRESS:ONE SITCUM PLAZA
TACOMA, WA 98401-1837

6691
E8.102
132 OF 147

PORT OF TACOMA
WOOD LIGHT POLE REPLACEMENT
POLE IMAGES - POLE 102

CONT/CONS: 07196	TOWNSHIP: 21N	RANGE: 3E	SECTION: 34
M. ID: 201148.01	DAT-HRZ: W83-SF	VERT: PORT OF TACOMA BM#	
PHASE: BID SET	PARCEL:	DRAWING SCALE: AS SHOWN	

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WOODEN LIGHT POLE REPLACEMENT PROGRAM

PROJECT NO. 201148.01 | PROCUREMENT NO. 092026-1058

Scope of Work: The Work required for this Project includes demolishing and replacing 46 timber poles at 7 different within the Port of Tacoma. The Work is to replace deteriorated timber poles in-kind and restore the operational condition of the pole.

The work shall include the following: Select demolition, salvage and disposal of existing light pole fixtures and hardware. Work includes demolition and disposal of existing timber light poles and foundations as well as removal and reattachment of existing LED fixtures. Work includes installation of new light pole foundations and new timber light poles, including concrete, HMA paving and traffic protection work as needed to restore work areas to their preconstruction condition. The work includes reinstalling and commissioning removed LED light fixtures and furnishing and installing associated electrical hardware to restore light pole operation. The work includes select demolition, salvage, furnishing and installing branch and feeder power conductors, raceway, conduit, breakers and other electrical system components. The work includes select demolition, furnishing and installing feeder and branch associated communication hardware as well as reinstallation of existing communication hardware and miscellaneous attachments. The work includes temporary provisions to maintain security lighting and communication network operation.

Bid Estimate: Estimated cost range is $6,000,000 to $7,000,000, plus Washington State Sales Tax (WSST).
In accordance with RCW 39.04.320, fifteen (15) percent apprenticeship participation is required for certain projects estimated to cost one million ($1,000,000) dollars or more. Bidders may contact the Department of Labor and Industries, Specialty Compliance Services Division, Apprenticeship Section, P.O. Box 44530, Olympia, WA 98504-4530, by phone (360) 902-5320, or e-mail at Apprentice@lni.wa.gov, to obtain information on available apprenticeship programs.

Sealed Bid Date/ Time/Location: Bids will be received at the Front Reception Desk, Port Administration Office, One Sitcum Plaza, Tacoma, Washington 98421 until **2:00 P.M. on** ~~November 12th~~December 2nd, 2026, at which time they will be publicly opened and read aloud and the apparent low bid will be determined. [3]

Pre-Bid	A pre-Bid conference and site visit have been set for Friday, October 16th, 2026 at 12:00 P.M. until 3:30 P.M. The pre-Bid conference will include an agenda, a discussion of the Work, and site tours of representative poles with the Engineer and project design team. A second site visit has been set for Thursday, October 21st, 2026 at 10:30 A.M. until 1:30 P.M. The second site visit will be by reservation as requested by email to procurement@portoftacoma.com. The site visit will include poles, locations, and facilities as requested by Bidders. Physical inspection of all poles identified for replacement will require accessing multiple secured sites and Terminal areas. Marked vans driven by Port personnel will be provided for transportation. The tours will be planned to provide access to each pole or until Bidders are satisfied of representative conditions.
Conference and Site Tour:	The site visit will convene at the Port's Administrative building, located at One Sitcum Plaza. The following Personal Protective Equipment is required for the site visit: sturdy shoes and reflective vest. Attendees will be required to sign a Release and Acceptance of Responsibility and Acknowledgement of Risks Form prior to entering the site and shall provide their own Personal Protection Equipment (PPE) as required above.
Bid Security:	Each Bid must be accompanied by a Bid security in an amount equal to five (5) percent of the Base Bid in a form allowed by the Instructions to Bidders.
Contact Information:	Any questions to the Port may be submitted to the Procurement Department through the Procurement and Question Submission Portal (Portal link is accessible via this specific procurements website. See left side of page.). A direct link is also available here: Procurement and Question Portal Link. No oral responses will be binding by the Port. Instructions for utilizing the portal can be found here: Procurement and Question Submission Portal Instructions. Questions will not be accepted after seven (7) days prior to the Bid Date.
Bidding Documents:	Plans, Specifications, Addenda, and Plan Holders List for this Project are available on-line through The Port of Tacoma's Website portoftacoma.com. Click on "Contracts," "Procurement," and then the Procurement Number 092026-1058. Bidders must subscribe to the Holder's List on the right hand side of the screen in order to receive automatic email notification of future addenda and to be placed on the Holder's List. Holder's Lists will be updated regularly and posted to the specific procurements page. Additional Instructions available in Section 00 21 00 - Instructions to Bidders.

Public Works Training Requirements:

Effective July 1, 2019, all businesses are required to have training before bidding on public works projects and prevailing wage under RCW 39.04.359 and RCW 39.12, or is on the list of exempt businesses maintained by the Department of Labor and Industries. The bidder must designate a person or persons to be trained on these requirements. The training will be provided by the Department of Labor and Industries or by a training provider whose curriculum is approved by the Department of Labor and Industries.

Please refer to Labor and Industries' web site (https://www.lni.wa.gov/TradesLicensing/PrevWage/Contractors/Training .asp?utm_medium=email&utm_source=govdelivery) for more information and training dates, requirements, and exemptions. Failure to attend this training could result in a determination of "not responsible" and the bidder not being awarded a public works contract.

END OF SECTION

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PART 1 - GENERAL

1.01 SUMMARY

A. This Section includes requirements for the Contractor's insurance.

1.02 SUBMITTAL REQUIREMENTS

A. Evidence of the required insurance within ten (10) days of the issued Notice of Award to the Contractor.

B. Updated evidence of insurance as required until final completion.

1.03 COMMERCIAL GENERAL LIABILITY (CGL) INSURANCE

A. The Contractor shall secure and maintain until Final Completion, at its sole cost and expense, the following insurance in carriers reasonably acceptable to the Port, licensed in the State of Washington, registered with the Washington State Insurance Commissioner, and possessing an A.M. Best rating of "A-, FSC six (6)" or better.

B. The Port of Tacoma (Port) and the Northwest Seaport Alliance (NWSA) will be included as additional insureds for both ongoing and completed operations by endorsement to the policy using ISO Form CG 20 10 11 85 or forms CG 20 10 04 13 and CG 20 37 04 13 (or equivalent coverage endorsements). The inclusion of the Port and the NWSA as additional insureds shall not create premium liability for either the Port nor the NWSA.

Also, by endorsement to the policy, there shall be:

1. An express waiver of subrogation in favor of the Port;
2. A cross liabilities clause; and
3. An endorsement stating that the Contractor's policy is primary and not contributory with any insurance carried by the Port.

C. If the Contractor, Supplier, or Subcontractors will perform any work requiring the use of a licensed professional, per RCW 18, the Contractor shall provide evidence to the Port of professional liability insurance in amounts not less than $1,000,000.

D. This insurance shall cover all of the Contractor's operations, of whatever nature, connected in any way with the Contract, including any operations performed by the Contractor's Subcontractors of any tier. **It is the obligation of the Contractor to ensure that all Subcontractors (at whatever level) carry a similar program that provides the identified types of coverage, limits of liability, inclusion of the Port and the NWSA as additional insured(s), waiver of subrogation and cross liabilities clause.** The Port reserves the right to reject any insurance policy as to company, form, or substance. Contractor's failure to provide, or the Port's acceptance of, the Contractor's certificate of insurance does not waive the Contractor's obligation to comply with the insurance requirements of the Contract as specifically described below:

1. Commercial General Liability Insurance on an Occurrence Form Basis including, but not limited to:
    a. Bodily Injury Liability;
    b. Property Damage Liability;
    c. Contractual Liability;
    d. Products - Completed Operations Liability;

e. Personal Injury Liability;

f. By endorsement to the policy, not exclude work within fifty feet of any railroad track;

Alternatively, a Commercial General Liability (CGL) policy is acceptable if all of the above coverages are incorporated in the policy and there are no marine exclusions that will remove coverage for either vessels or work done by or above or around the water.

2. Comprehensive Automobile Liability including, but not limited to:

   a. Bodily Injury Liability;

   b. Property Damage Liability;

   c. Personal Injury Liability;

   d. Owned and Non-Owned Automobile Liability; and

   e. Hired and Borrowed Automobile Liability.

3. Railroad protective liability insurance naming the Port and Tacoma Rail as Insureds with coverage of at least $2,000,000 per occurrence and $6,000,000 in the aggregate. The policy must be issued on a standard ISO form CG 00 35 10 93 and include the following:

   a. Endorsed to include the Pollution Exclusion Amendment (ISO form CG 28 31 10 93);

   b. Endorsed to include the Limited Seepage and Pollution Endorsement;

   c. Endorsed to include Evacuation Expense Coverage Endorsement;

   d. No other endorsements restricting coverage may be added; and

   e. The original policy must be provided to the Port prior to execution of the Contract; within ten (10) days of Notice of Award.

4. Contractor’s Pollution Liability (CPL) covering claims for bodily injury, property damage and cleanup costs, and environmental damages from pollution conditions arising from the performance of covered operations.

   a. If the Work involves remediation or abatement of regulated waste to include, but not limited to asbestos containing materials, lead containing products, mercury, PCB, underground storage tanks, or other hazardous materials or substances, the CPL policy shall not exclude such coverage, or a specific policy covering such exposure shall be required from the Contractor and all Subcontractors performing such Work.

   b. If the Work involves transporting regulated materials or substances or waste, a separate policy or endorsement to the CPL policy specifically providing coverage for liability and cleanup arising from an upset or collision during transportation of hazardous materials or substances shall be required from the Contractor and all Subcontractors performing such Work.

   c. It is preferred that CPL insurance shall be on a true occurrence form without a sunset clause. However, if CPL insurance is provided on a Claims Made basis, the policy shall have a retroactive date prior to the start of this project, and this insurance shall be kept in force for at least three years after the final completion of this project. Alternatively, the contractor, at its option, may provide evidence of extended reporting period of not less than three (3) years in its place. The Contractor shall be responsible for providing the Port with certificates of insurance each year evidencing this coverage.

   d. The Port and the NWSA shall be named as an additional insured(s) on the CPL policy.

5. Technology Professional Liability Errors and Omissions Insurance appropriate to the Consultant's profession and work hereunder, with limits not less than $2,000,000 per occurrence. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by the Vendor in this agreement and shall include, but not be limited to, claims involving infringement of intellectual property, copyright, trademark, invasion of privacy violations, information theft, release of private information, extortion and network security. The policy shall provide coverage for breach response costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations.

   The policy shall include, or be endorsed to include, **property damage liability coverage** for damage to, alteration of, loss of, or destruction of electronic data and/or information "property" of the Agency in the care, custody, or control of the Vendor.

E. Except where indicated above, the limits of all insurance required to be provided by the Contractor shall be not less than $2,000,000 for each occurrence. If the coverage is aggregated, the coverage shall be no less than two times the per occurrence or per claim limit. However, coverage in the amounts of these minimum limits shall not be construed as to relieve the Contractor from liability in excess of such limits. Any additional insured endorsement shall NOT be limited to the amounts specified by this Contract, unless expressly waived in writing by the Port.

F. Contractor shall certify that its operations are covered by the Washington State Worker's Compensation Fund. The Contractor shall provide its Account Number or, if self-insured, its Certificate of Qualification Number. The Contractor shall also provide evidence of Stop-Gap Employers' Liability Insurance.

[3] United States Longshoremen's and Harbor Worker's Act (USL&H) and Jones Act may be required for this project. The Contractor shall be solely responsible for determining the applicability of USL&H and Jones Act coverage. The failure of the Contractor to procure either USL&H or Jones Act coverage shall at no time create liability on the part of the Port. The Contractor shall bear all responsibility and shall indemnify and hold harmless the Port for any and all liability, cost, and/or damages.

G. The Contractor shall furnish, within ten (10) days following issuance of the Notice of Award, a certificate of insurance satisfactory to the Port evidencing that insurance in the types and minimum amounts required by the Contract Documents has been secured. The Certificate of Insurance shall be signed by an authorized representative of the insurer together with a copy of the endorsement, which shows that the Port and the NWSA are named as additional insured(s).

H. Contractor shall provide at least forty-five (45) days prior written notice to the Port of any termination or material change, or ten (10) day's-notice in the case of non-payment of premium(s).

I. If the Contractor is required to make corrections to the Work after Final Completion, the Contractor shall obtain at its own expense, prior to the commencement of any corrective work, insurance coverage as required by the Contract Documents, which coverage shall be maintained until the corrections to the Work have been completed and accepted by the Port.

1.04 BUILDER'S RISK INSURANCE

A. Until Final Completion of the Work, the construction Work is at the risk of the Contractor and no partial payment shall constitute acceptance of the Work or relieve the Contractor of responsibility of completing the Work under the Contract.

B. To the extent the Work provided under this Contract does not include the construction, rehabilitation or repair of any dam, road or bridge, and whenever the estimated cost of the Work is less than $25,000,000, the Port and Contractor acknowledge that the Port will purchase, or has purchased, from a company or companies lawfully authorized and admitted to do business in Washington, property insurance written on a Builder's Risk "all-risk" (including Earthquake and Flood with applicable sub-limits) or equivalent policy form to cover the course of construction in the amount of the full insurable value thereof. This property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made or until no person or entity other than the Port has an insurable interest in the property, whichever is later. Without further endorsement, the coverage afforded by this insurance includes the interests of the Port, the Contractor, and Subcontractors of any tier on the Project. Coverage for materials intended to be installed in the facility will be covered by the Builder's Risk policy. Losses up to the deductible amount, and payment of any deductible amount, shall be the responsibility of the Contractor. All tools and equipment not intended as part of the construction or installation (including but not limited to Contractor's equipment and tools) will NOT be covered by the policy.

To the extent the Work provided under this Contract involves any dam, roadway or bridge, the value of which exceeds $250,000, or whenever the estimated cost of the Work is equal to or greater than $25,000,000, Contractor will purchase from a company or companies lawfully authorized and admitted to do business in Washington, property insurance written on a Builder's Risk "all-risk" (excluding Earthquake and Flood with applicable sub-limits) or equivalent policy form to cover the course of construction in the amount of the full insurable value thereof. This Builder's Risk insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of such insurance, until final payment has been made or until no person or entity other than the Port has an insurable interest in the property, whichever is later. Contractor shall provide evidence satisfactory to the Port confirming the coverage afforded by this insurance shall include the interests of the Port, the Contractor, and Subcontractors of any tier on the Project. Coverage for materials intended to be installed in the facility will be covered by the Builder's Risk policy purchased by the Contractor. Losses up to the deductible amount, and payment of any deductible amount, shall be the responsibility of the Contractor.

In all instances, the Contractor shall obtain property insurance for all Contractor-owned equipment and tools and, in the event of loss, payment of any deductible amount shall be the responsibility of the Contractor.

PART 2 - PRODUCTS - NOT USED

PART 3 - PRODUCTS - NOT USED

END OF SECTION

PART 1 - GENERAL

1.01 PREVAILING AND OTHER REQUIRED WAGES

A. The Contractor shall pay (and shall ensure that all Subcontractors of any tier pay) all prevailing wages and other wages (such as Davis-Bacon Act wages) applicable to the Project.

B. Pursuant to RCW 39.12, "Prevailing Wages on Public Works," no worker, laborer, or mechanic employed in the performance of any part of the Work shall be paid less than the "prevailing rate of wage" in effect as of the date that bids are due.

1. Based on the Bid Date, the applicable effective date for prevailing wages for this Project is ~~November 12~~December 2nd, 2026. [2]

C. The State of Washington prevailing wage rates applicable for this public works Project, which is located in Pierce County, may be found at the following website address of the Department of Labor and Industries:

https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx

D. The schedule of the prevailing wage rates is made a part of the Contract Documents by reference as though fully set forth herein, and a printed copy of the applicable prevailing wage rates are also available for viewing at the Port Administration Building, located at 1 Sitcum Plaza, Tacoma, WA 98421 (253-383-5841). Upon request to the Procurement Department at procurement@portoftacoma.com, the Port will email or mail a hard copy of the applicable Journey Level prevailing wages for this Project.

E. Questions relating to prevailing wage data should be addressed to the Industrial Statistician.

Mailing Address: Washington State Department of Labor and Industries
Prevailing Wage Office
P.O. Box 44540
Olympia, WA 98504

Telephone: (360) 902-5335

Facsimile: (360) 902-5300

1. If there is any discrepancy between the provided schedule of prevailing wage rates and the published rates applicable under WAC 296-127-011, the applicable published rates shall apply with no increase in the Contract Sum. It is the Contractor's responsibility to ensure that the correct prevailing wage rates are paid.

F. Statement to Pay Prevailing Wages

1. Prior to any payment being made by the Port under this Contract, the Contractor, and each Subcontractor of any tier, shall file a Statement of Intent to Pay Prevailing Wages with the Department of Labor and Industries for approval.

2. The statement shall include the hourly wage rate to be paid to each classification of workers entitled to prevailing wages, which shall not be less than the prevailing rate of wage, and the estimated number of workers in each classification employed on the Project by the Contractor or a Subcontractor of any tier, as well as the Contractor's contractor registration number and other information required by the Department of Labor and Industries.

3. The statement, and any supplemental statements, shall be filed in accordance with the requirements of the Department of Labor and Industries. No progress payment shall be made until the Port receives such certified statement.

G. The Contractor shall post, in a location readily visible to workers, at the Project site: (i) a copy of the Statement of Intent to Pay Prevailing Wages approved by the Industrial Statistician of the Department of Labor and Industries and (ii) the address and telephone number of the Industrial Statistician of the Department of Labor and Industries to whom a complaint or inquiry concerning prevailing wages may be directed.

H. If a State of Washington prevailing wage rate conflicts with another applicable wage rate (such as Davis-Bacon Act wage rate) for the same labor classification, the higher of the two shall govern.

I. Pursuant to RCW 39.12.060, if any dispute arises concerning the appropriate prevailing wage rate for work of a similar nature, and the dispute cannot be adjusted by the parties in interest, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries, and his or her decision shall be final and conclusive and binding on all parties involved in the dispute.

J. Immediately following the end of all Work completed under this Contract, the Contractor and each Subcontractor of any tier, shall file an approved Affidavit of Wages Paid with the Department of Labor and Industries.

K. The Contractor shall defend (at the Contractor's sole cost, with legal counsel approved by Port), indemnify, and hold the Port harmless from all liabilities, obligations, claims, demands, damages, disbursements, lawsuits, losses, fines, penalties, costs, and expenses, whether direct, indirect, including, but not limited to, attorneys' fees and consultants' fees and other costs and expenses, from any violation or alleged violation by the Contractor or any Subcontractor of any tier of RCW 39.12 ("Prevailing Wages on Public Works") or RCW Title 51 ("Industrial Insurance"), including, but not limited to, RCW 51.12.050.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION

PART 1 - GENERAL

1.01 SCOPE

A. The accompanying Drawings and Specifications show and describe the location and type of Work to be performed under this project. Work is more specifically defined on the drawings listed in Section 00 01 15.

1. The Work under this contract is to provide, furnish and install all labor, materials and equipment required to complete the work, installed, tested, and ready for use, and as described in these documents.

2. The Wooden Light Pole Replacement Program consists of: select demolition, salvage and disposal of existing light pole fixtures and hardware. Work includes Demolition and disposal of existing timber light poles and foundations as well as removal and reattachment of existing LED fixtures. Work includes installation of new light pole foundations and new timber light poles, including concrete, HMA paving and traffic protection work as needed to restore work areas to their preconstruction condition. The work includes installing and commissioning ~~Port provided~~reused LED light fixtures and furnishing and installing associated electrical hardware to restore light pole operation. The work includes select demolition, furnishing and installing associated communication hardware as well as reinstallation of existing communication cabinets, fiber, cameras and miscellaneous attachments. The work includes temporary provisions to maintain security lighting and communication network operation.

[3]

1.02 LOCATION

A. The work is located at: 1738 Milwaukee Way | 2340 E Alexander Ave. | 3401 Taylor Way | 500 E. Alexander Ave |2209 E. 11th Street

Tacoma, WA 98421

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION

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PART 1 - GENERAL

1.01 SUMMARY

A. This Section specifies work access, premises, general and site specific operational and sequence 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 facilities will remain in operation for the duration of construction. The Contractor shall conduct all items of the Work in such a manner as to limit interference with the normal operations of the facilities.

2. TWIC Escorting Requirements:

a. Access to Parcel 1A - TOTE, and Parcel 27 - Terminal 7 (East Sitcum Terminal, Terminal 7, NIM) shall require TWIC credentials.

b. Escorting of non-TWIC card holding personnel is at the discretion of the tenant for each parcel. Escorting may not be allowed and escorts cannot perform any contract work beyond escorting.

c. In general, at the discretion of the terminal, a maximum of three (3) contractor employees who currently hold TWIC cards will be trained and authorized as TWIC escorts for one parcel.

d. Each parcel has an independent security and escorting plan and training requirement. Approval as a certified escort at one parcel does grant escort privileges at another parcel.

e. Maintaining TWIC escort privileges at each parcel shall be the responsibility of the Contractor.

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.

d. Ensure work spaces and traffic are protected from possible falling debris throughout the project.

e. Ensure no debris is allowed to enter the water. Contractor to provide debris containment. In the event that debris enters the water, Contractor shall notify the Engineer and retrieve debris immediately.

D. Site Specific Access and Use

1. The Port leases parcels to tenants. Per lease agreements the Port has reasonable access to facilities to complete maintenance. Tenants have been notified of proposed work.

[3]

a. Access to Pole 92 from Thorne Road transits the Greenbrier Companies, Inc property. Contractor will be required to execute an access agreement with The Greenbrier Companies, Inc. and provide separate insurance to transit and perform work at that location as stated in the Access Agreement attached to the Bidding Documents as Attachment 2 - The Greenbrier Companies Access Agreement. Contractor must review the Access Agreement and include any and all costs associated with complying with the Access Agreement in the Bid.

2. The Laydown Areas as shown in the Contract Drawings are intended to be used for pole, hardware and equipment storage. The limits of the Laydown Areas shall be reduced and returned to existing use when no longer required by the Contractor.

3. The Work Areas as shown in the Contract Drawings are intended to be used for pole removal and installation. The limits of the Work Areas shall be reduced and returned to existing use when no longer required by the Contractor.

1.03 CONSTRAINTS - GENERAL

A. Constraints for Work at Site

1. Electrical Work Constraints:

a. The Contractor is to notify in writing to the Engineer at least (14) fourteen days prior to any outage or disconnection and reconnection of the electrical system. Current and updated schedules provided to the Engineer at the weekly construction meeting are sufficient notice.

2. Rail Work Constraints:

a. The Engineer shall provide rail flagging and coordination services by internal staff familiar with the equipment, rail operators and policies within the tide flats.

b. The Engineer shall determine the minimum rail safety requirements for each pole based on track usage, track location and planned Contractor equipment and operation.

c. Rail safety requirements shall be conveyed to the Contractor by a daily rail safety briefing.

d. Rail right-of-way entry will be secured by derail hardware (outage), active flagging, or passive flagging.

e. Any person or object that can encroach within 25 feet of the rails will require a flagger and proper notifications.

f. The Contractor may be allowed to work up to within 10’ of the rails without a full-time flagger as long as no fouling of any track will occur, subject to each specific work area and approval by the Engineer.

g. Rail schedules are highly variable and subject to daily changes. The Contractor shall be required to clear all equipment, personnel and material within 10 feet of the right-of-way with a 4-hour notice.

h. Rail delays and associated downtime shall be reimbursed by the Engineer based on pre-approved crew and equipment rates submitted in accordance with Section 01 26 00 - Change Management Procedures. Additional consideration shall be given to delays that require an additional work day.

i. Violations of rail safety policies or flagger instructions as passed on by Engineer can result in removal of the Contractor from rail right-of-way.

j. The contractor shall notify the Engineer at least (14) fourteen days in advance of the proposed start date of work at impacted poles.

k. Some pole work will require access over tracks. The Engineer shall provide a 10-foot-wide access corridor of timber or gravel. Damage or disturbance to site or hardware shall be the responsibility of the Contractor to restore to pre-existing condition.

l. Contractor shall pay for and maintain a Tacoma Rail Right of Way Entry Agreement. Appendix B contains the application.

1.04 SITE SPECIFIC PARCEL 1A (TOTE) WORK RESTRICTIONS

A. Site Contamination

1. There is a potential to encounter soil and groundwater contamination at the property during the scoped activities.

a. Appropriate PPE and monitoring is recommended when handling soil and groundwater at this parcel.

b. Groundwater contamination has been encountered at 25 feet below ground surface but further investigation and site characterization is required for greater characterization of the site.

c. Soil and groundwater on the TOTE parcel should be treated as contaminated.

2. Employee Training

a. Contamination on the TOTE property is being addressed under MTCA.

b. Work shall require HAZWOPER-trained workers per WAC 296-843-100(4)(c) and (4)(d)(i).

3. Chemicals of Concern

a. Posssible chemicals of concern includes PAHs, TCE, Vinyl Chloride, Petroleum Produces, and Benzene

b. TOTE has its own ongoing soil and groundwater cleanup investigation associated with 26 former USTs (petroleum/PAHs. The latest technical document is here:

https://apps.ecology.wa.gov/cleanupsearch/document/113597

c. The Occidental property (GW: VOCs, high pH)

https://apps.ecology.wa.gov/cleanupsearch/site/4326

d. The AAPTF property (GW: benzene/petroleum).

https://apps.ecology.wa.gov/cleanupsearch/site/743

B. Vault and Groundwater Handling

1. Water removed from vaults, trenches or excavations shall be collected, stored and tested for site contaminants in accordance with Section 31 23 19 - Dewatering.

C. Work Durations and Scheduling

1. Contractor shall limit disruptions and impacts in accordance with the following tables:

PARCEL 1A (TOTE) - ALL POLES
General Pole Work Restrictions
• Reattached or existing high mast light systems shall be operational Wednesday and Friday during terminal night operations with the following exception for Poles #116, #124, and #128 • Poles #116, #124, and #128 lighting systems can be inoperable on a Wednesday or Friday night operation if a temporary light stand is provided • Only one high mast lighting system may be inoperable during a terminal night shift • Alternative replacement schedules and temporary lighting details may be approved in advance through the Engineer based on terminal operations at the time of work execution
PARCEL 1A (TOTE) - POLE #103, #130, AND #131
Pole Specific Work Restrictions
• Network backbone node, network node to remain operational during business hours. Network shall only be offline Sunday from 0600 to Monday 0600. General Pole Work Restrictions shall also apply. • Pole #103 Camera may only be inoperable for 7 consecutive days
PARCEL 1A (TOTE) -POLE #112 AND #124
Pole Specific Work Restrictions
Network node terminus, pole cameras shall not be offline more than 7consecutive days. General Pole Work Restrictions shall also apply.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.01 SITE SOIL DISPOSAL

A. See Section 01 35 43.19 - Export Soil Management for soil testing and disposal requirements.

END OF SECTION

PART 1 - GENERAL

1.01 SUMMARY

A. Procedures for preparation and submittal of applications for progress payments.

1.02 PAYMENT PROCEDURES

A. Monthly pay estimates shall clearly identify the work performed for the given time period based on the approved Schedule of Values.

1. At the Pre-construction meeting, the Engineer and the Contractor shall agree upon a date each month when payment applications shall be submitted.

B. For each pay estimate the Contractor shall submit the following:

1. Completed Contractor invoice and updated Schedule of Values tracking sheet as required by Division 01.

2. Baseline Project Schedule and narrative updated as required by Section 01 32 16 of the Project Manual.

3. Completed “Amounts Paid to Subcontracts and Suppliers” showing total contract amount, amount paid this estimate, total paid to date, and balance owing.

4. Completed “Conditional Release and Waiver of Liens and Claims.”

5. An estimated cashflow statement projecting the Contractor’s monthly billings on the project shall be submitted with each payment application.

C. Prior to submitting a payment application, the Contractor and Engineer shall meet each month to review the work accomplished to determine the actual quantities including labor, materials and equipment charges to be billed.

1. Prior to the payment application meeting, the Contractor shall submit to the Engineer all measurement documentation as referenced in these contract documents; to include all measurement by weight, volume or field.

2. For all change work being done on a force account basis, the Contractor shall submit prior to meeting with Engineer all Force Account back-up documentation as required to process the payment application where Force Account work is being billed. The Engineer and the Contractor shall review the documentation at the payment application meeting to verify quantities and review the work accomplished.

3. The Contractor shall bring a copy of all documentation to the pay application meeting with the Engineer.

4. The Contractor shall submit the updated baseline project schedule for review prior to submitting the payment application to ensure the payment processing is not held up due to necessary schedule revisions.

D. Following the Engineers’ review, the Contractor shall submit the agreed upon pay estimate electronically, with complete supporting documentation, using e-Builder®.

1.03 PAYMENT PRICING

A. Pricing for the various lump sum or unit prices in the Bid Form, as further specified herein, shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals appurtenant to the items of work being described, as necessary to complete the various items of the work in accordance with the requirements of the Contract Documents.

B. Pricing also includes all costs of compliance with the regulations of public agencies having jurisdiction, including safety and health requirements of the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA).

C. No separate payment will be made for any item that is not specifically set forth in the Bid Form, and all costs therefore shall be included in the prices named in the Bid Form for the various appurtenant items of work.

D. All other work not specifically mentioned in the measurement and payment sections identified below shall be considered incidental to the work performed and merged into the various unit and lump sum prices bid. Payment for work under one item will not be paid for under any other item.

E. The Port of Tacoma reserves the right to make changes should unforeseen conditions necessitate such changes. Where work is on a unit price basis, the actual quantities occasioned by such changes shall govern the compensation.

1.04 LUMP SUM MEASUREMENT

A. Lump sum measurement will be for the entire item, unit of Work, structure, or combination thereof, as specified and as indicated in the Contractor's submitted bid.

1. If the Contractor requests progress payments for lump sum items, such progress payments will be made in accordance with an approved Schedule of Values. The quantity for payment for completed work shall be an estimated percentage of the lump sum amount, agreed to between the Engineer and Contractor, payable in monthly progress payments in increments proportional to the work performed in amounts as agreed between the Engineer and the Contractor.

1.05 MEASUREMENT OF QUANTITIES FOR UNIT PRICES

A. Measurement Standards:

1. All Work to be paid for at a contract price per unit measurement, as indicated in the Contractor's submitted bid, will be measured by the Engineer in accordance with United States Standard Measures.

B. Measurement by Weight:

1. Reinforcing steel, steel shapes, castings, miscellaneous metal, metal fabrications, and similar items to be paid for by weight shall be measured by scale or by handbook weights for the type and quantity of material actually furnished and incorporated into the Work.

2. Unless shipped by rail, material to be measured and paid for by weight shall be weighed on sealed scales regularly inspected by the Washington State Department of Agriculture's Weights and Measures Section or its designated representative. Measurement shall be furnished by and at the expense of the Contractor. All weighing, measuring, and metering devices shall be suitable for the purpose intended and shall conform to the tolerances and specifications as outlined in Washington State Department of Transportation Standard Specifications, Division 1, General Requirements, Article 1-09.2, Weighing Equipment.

3. Provide or utilize platform scales of sufficient size and capacity to permit the entire vehicle or combination of vehicles to rest on the scale platform while being weighed. Combination vehicles may be weighed as separate units provided they are disconnected while being weighed. Scales shall be inspected and certified as often as the Engineer may deem necessary to ascertain accuracy. Costs incurred as a result of regulating, adjusting, testing, inspecting, and certifying scales shall be borne by the Contractor.

4. A licensed weighmaster shall weigh all Contractor-furnished materials. The Engineer may be present to witness the weighing and to check and compile the daily record of such scale weights. However, in any case, the Engineer will require that the Contractor furnish weight slips and daily summary weigh sheets. In such cases, furnish a duplicate weight slip or a load slip for each vehicle weighed, and deliver the slip to the Engineer at the point of delivery of the material.

5. If the material is shipped by rail, the certified car weights will be accepted, provided only actual weight of material will be paid for and not minimum car weights used for assessing freight tariff. Car weights will not be acceptable for material to be passed through mixing plants. Material to be measured by weight shall be weighed separately for each bid item under which it is to be paid.

6. Trucks used to haul material being paid for by weight shall be weighed empty daily and at such additional times as the Engineer may require. Each truck shall bear a plainly legible identification mark. The Engineer may require the weight of the material be verified by weighing empty and loaded trucks on such other scales as the Engineer may designate.

C. Measurement by Volume:

1. Measurement by volume will be by the cubic dimension indicated in the Contractor's submitted bid. Method of volume measurement will be by the unit volume in place or removed as shown on the Contract Drawings or as specified.

2. When material is to be measured and paid for on a volume basis and it is impractical to determine the volume by the specified method of measurement, or when requested by the Contractor in writing and accepted by the Engineer in writing, the material may be weighed in accordance with the requirements specified for weight measurement. Such weights will be converted to volume measurement for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the Resident Engineer and shall be agreed to by the Contractor before such method of measurement of pay quantities will be accepted.

D. Measurement by Area: Measurement by area will be by the square dimension shown on the Contract Drawings or as specified. Method of square measurement will be as specified.

E. Linear Measurement: Linear measurement will be by the linear dimension listed or indicated in the Contractor's submitted bid. Unless otherwise indicated, items, components, or Work to be measured on a linear basis will be measured at the centerline of the item in place.

F. Field Measurement for Payment:

1. The Contractor shall take all measurements by providing equipment, workers, and survey crews as required to measure quantities in accordance with the provisions for measurement specified herein. No allowance will be made for specified tolerances.

2. The Engineer will verify all quantities of Work performed by the Contractor on a unit-price basis, for progress payment purposes.

1.06 REJECTED, EXCESS, OR WASTED MATERIALS

A. Quantities of material wasted or disposed of in a manner not called for under the Contract; rejected loads of material, including material rejected after it has been placed by reasons of the failure of the Contractor to conform to the provisions of the Contract; material not unloaded from the transporting vehicle; material placed outside the lines indicated on the Contract Drawings or established by the Engineer; or material remaining on hand after completion of the Work, will not be paid for, and such quantities shall not be included in the final total quantities. No additional compensation will be permitted for loading, hauling, and disposing of rejected material.

1.07 MEASUREMENT AND PAYMENT

A. Item #1: Project Administration

1. Item Description: The Work of this item includes all administrative costs associated with administering and supervising the project including, but not limited to supervision of personnel, coordination of all work activities, coordination of subcontractors and/or suppliers, preparation and transmittal of submittals, receipt and implementation of SDEV-0024, other permit acquisitions, for premiums on bonds and insurance for the project, project access agreements, and project overhead. This item shall include all meetings as required by Section 01 30 00 - Administrative Requirements.

2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.

3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor’s submitted bid. Incremental payments shall be made at a percentage of Project Administration that corresponds to the percentage of total amount invoiced versus total bid amount, excluding project administration.

B. Item #2: Parcel 69 (UP Yard) Mobilization and Demobilization

1. Payment for Mobilization and Demobilization shall be for preparatory work and operations performed by the Contractor including, but not limited to, those necessary for the movement of its personnel, equipment, supplies and incidentals to and from the project site; temporary storage; temporary facilities and controls; for the establishment and removal of other facilities necessary for work on the project; TESC materials and work; for other work and operations which it must perform or costs it must incur before beginning production work on the various items on the project site, and for removal of personnel, equipment, supplies, offices, building facilities, sheds, fencing, and other incidentals from the site. This work shall also include Base Lighting Photometrics for any relocated poles and light fixture As-Builts which will be used as a basis for confirmation of installed lighting adequacy and aiming.

2. Mobilization and Demobilization shall be paid at the lump sum price listed in the Contractor’s submitted bid. Incremental payment shall be made for each location as follows:

a. 40% after completion of 5% of the total parcel specific contract amount of other bid items have been earned.

b. 40% after completion of 20% of the total contract amount of other bid items have been earned.

c. 20% after completion of all work on the project has been completed, including cleanup and acceptance of the project by the Port.

C. Item #3: Parcel 69 (UP Yard) Demolition

1. Item Description: The Work of this item includes all tools, materials, labor and equipment as necessary for existing creosote light pole, lighting luminaire, bird deterrent, raceway, conduit, conductor, cabling, pullbox, circuit breaker and foundation salvage or removal and disposal. The work shall include existing CMP sleeve removal and disposal, existing concrete collar removal and disposal, and existing crushed rock removal and disposal. The work shall include excavation, trenching, dewatering, and earthworks required for new pole, electrical and communication installations. The work shall include ancillary civil site demolition, such as (but not limited to) pavement, miscellaneous site debris, bollards, fencing and traffic protection demolition as needed for installation of new poles. The work shall include salvaging and protecting existing communication or other hardware and attachments for reuse. The work shall include backfilling existing foundations for any relocated poles. Any excess soils generated as part of the work shall be included in this item and disposed of in accordance with Project Specifications.
2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.
3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

D. Item #4: Parcel 69 (UP Yard) Civil Site Improvements

1. Item Description: The Work of this item includes all tools, materials, labor and equipment as necessary for restoring the Work Area to pre-construction condition. This work shall include earthwork, dewatering, crushed surfacing base course, hot mix asphalt, ecology block/barrier relocation, fencing replacement, paint striping and surface restoration or new paving. The work shall include removal, storage and reattachment of conduit guards if present.
2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.
3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

E. Item #5: Parcel 69 (UP Yard) Foundations.

1. Item Description: The Work of this item includes all tools, materials, labor and equipment as necessary for installing new timber pole foundations. This work shall include new CMP sleeves, CMP sleeve installation, crushed rock sleeve fill, concrete collars, dewatering and concrete pole bases for traffic protection if present.
2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.
3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

F. Item #6: Parcel 69 (UP Yard) New Timber Poles

1. Item Description: The Work of this item includes all tools, labor and equipment as necessary for timber pole procurement and installation. The work shall include all transportation and storage fees.
2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.

3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

G. Item #7: Parcel 69 (UP Yard) Temporary Provisions

1. Item Description: The Work of this item includes all tools, materials, labor and equipment as necessary for providing area and construction lighting, temporary support of existing boxes, and disconnects that are to remain, and maintenance of existing power and communications services.

2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.

3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

H. Item #8: Parcel 69 (UP Yard) New Electrical, Communications and Attachments

1. Item Description: The Work of this item includes all tools, labor and materials as necessary for mounting and powering salvaged existing dome and flood LED luminaires with new bird deterrent on reinstalled fixture support structures. This shall include all feeder and branch power raceway, conduit, conductors, cabling, grounding, handholes, pullboxes, dewatering, and circuit breakers to restore a similar operational pole configuration prior to demolition.

   This Item shall include all communication and miscellaneous hardware such as feeder and branch raceway, conduit, cabling, and boxes necessary to reinstall existing cameras, antennas, other accessories.

2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.

3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

I. Item #9: Parcel 69 (UP Yard) Pole Commissioning

1. Item Description: The Work for this item includes all tools, labor and equipment as necessary to aim installed lights, test power circuits, lights, cameras and antennas to verify operation, as-built lighting photometrics of any relocated lights, and provide as-builts. Commissioning shall restore pole lighting, electrical and communication operations to pre-construction condition.

2. Measurement: This item will be measured based on a percentage complete for the overall lump sum amount.

3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid, in accordance with the approved Schedule of Values.

J. Item #10: Parcel 69A (SIM) Mobilization and Demobilization

1. Description and Measurement: See 1.07.B.1

2. Payment: See 1.07.B.2

K. Item #11: Parcel 69A (SIM) Demolition

1. Item Description: See 1.07.C.1

2. Measurement: See 1.07.C.2

3. Payment: See 1.07.C.3

L. Item #12: Parcel 69A (SIM) Civil Site Improvements
    1. Item Description: See 1.07.D.1
    2. Measurement: See 1.07.D.2
    3. Payment: See 1.07.D.3
M. Item #13: Parcel 69A (SIM) Foundations
    1. Item Description: See 1.07.E.1
    2. Measurement: See 1.07.E.2
    3. Payment: See 1.07.E.3
N. Item #14: Parcel 69A (SIM) New Timber Poles
    1. Item Description: See 1.07.F.1
    2. Measurement: See 1.07.F.2
    3. Payment: See 1.07.F.3
O. Item #15: Parcel 69A (SIM) Temporary Provisions
    1. Item Description: See 1.07.G.1
    2. Measurement: See 1.07.G.2
    3. Payment: See 1.07.G.3
P. Item #16: Parcel 69A (SIM) New Electrical, Communications and Attachments
    1. Item Description See 1.07.H.1
    2. Measurement: See 1.07.H.2
    3. Payment: See 1.07.H.3
Q. Item #17: Parcel 69A (SIM) Pole Commissioning
    1. Item Description See 1.07.I.1
    2. Measurement: See 1.07.I.2
    3. Payment: See 1.07.I.3
R. Item #18: Parcel 17 (EB1) Mobilization and Demobilization
    1. Description and Measurement: See 1.07.B.1
    2. Payment: See 1.07.B.2
S. Item #19: Parcel 17 (EB1) Demolition
    1. Item Description: See 1.07.C.1.
    2. Measurement: See 1.07.C.2
    3. Payment: See 1.07.C.3
T. Item #20: Parcel 17 (EB1) Civil Site Improvements
    1. Item Description: See 1.07.D.1
    2. Measurement: See 1.07.D.2
    3. Payment: See 1.07.D.3

U. Item #21: Parcel 17 (EB1) Foundations
    1. Item Description: See 1.07.E.1
    2. Measurement: See 1.07.E.2
    3. Payment: See 1.07.E.3

V. Item #22: Parcel 17 (EB1) New Timber Poles
    1. Item Description: See 1.07.F.1
    2. Measurement: See 1.07.F.2
    3. Payment: See 1.07.F.3

W. Item #23: Parcel 17 (EB1) Temporary Provisions
    1. Item Description: See 1.07.G.1. This item shall **also** include all tools, labor and equipment as necessary to support existing aerial lines during new pole installation.
    2. Measurement: See 1.07.G.2
    3. Payment: See 1.07.G.3

X. Item #24: Parcel 17 (EB1) New Electrical, Communications and Attachments
    1. Item Description See 1.07.H.1.
    2. Measurement: See 1.07.H.2
    3. Payment: See 1.07.H.3

Y. Item #25: Parcel 17 (EB1) Pole Commissioning
    1. Item Description See 1.07.I.1
    2. Measurement: See 1.07.I.2
    3. Payment: See 1.07.I.3

Z. Item #26: Parcel 105 (West Hylebos Terminal) Mobilization and Demobilization
    1. Description and Measurement: See 1.07.B.1
    2. Payment: See 1.07.B.2

AA. Item #27: Parcel 105 (West Hylebos Terminal) Demolition
    1. Item Description: See 1.07.C.1. for typical item description. This item shall **also** include demolition, excavation and disposal necessary for pole risers, time clock, transformer, panelboard, disconnects and wire gutter for Pole 158 as shown in the drawings. This work shall include removal and disposal of banded support poles at Poles 156 and 158.
    2. Measurement: See 1.07.C.2
    3. Payment: See 1.07.C.3

BB. Item #28: Parcel 105 (West Hylebos Terminal) Civil Site Improvements
    1. Item Description: See 1.07.D.1
    2. Measurement: See 1.07.D.2
    3. Payment: See 1.07.D.3

CC. Item #29: Parcel 105 (West Hylebos Terminal) Foundations

1. Item Description: See 1.07.E.1
2. Measurement: See 1.07.E.2
3. Payment: See 1.07.E.3

DD. Item #30: Parcel 105 (West Hylebos Terminal) New Timber Poles

1. Item Description: See 1.07.F.1
2. Measurement: See 1.07.F.2
3. Payment: See 1.07.F.3

EE. Item #31: Parcel 105 (West Hylebos Terminal) Temporary Provisions

1. Item Description: See 1.07.G.1. This item shall **also** include all tools, labor and equipment as necessary to support existing aerial lines during new pole installation.
2. Measurement: See 1.07.G.2
3. Payment: See 1.07.G.3

FF. Item #32: Parcel 105 (West Hylebos Terminal) New Electrical, Communications and Attachments

1. Item Description See 1.07.H.1. for typical item description. This item shall **also** include all labor, tools and materials as necessary to furnish and install pole risers, transformer, panelboard, disconnects and wire gutter for Pole 158 as shown in the drawings. Contractor shall install new LED flood luminaires provided by the Engineer on Pole 156 in lieu of installing salvaged luminaires. [3]
2. Measurement: See 1.07.H.2
3. Payment: See 1.07.H.3

GG. Item #33: Parcel 105 (West Hylebos Terminal) Pole Commissioning

1. Item Description See 1.07.I.1
2. Measurement: See 1.07.I.2
3. Payment: See 1.07.I.3

HH. Item #34: Parcel 1A (TOTE) Mobilization and Demobilization

1. Description and Measurement: See 1.07.B.1. This item shall **also** include all labor, tools, and materials as necessary to complete waterline potholing and management of any soils or water produced by the operation per the Specifications.
2. Payment: See 1.07.B.2

II. Item #35: Parcel 1A (TOTE) Demolition

1. Item Description: See 1.07.C.1 for typical description. This item shall **also** include water disposal, testing and handling as outlined in Section 01 14 00 during demolition activities. This item shall **also** include additional demolition and disposal of existing sidewalk to field locate water line for Pole 130, and bumper wall demolition and disposal. This item shall also include additional demolition and disposal of the Abandoned Pole Foundation adjacent to Pole 131.
2. Measurement: See 1.07.C.2
3. Payment: See 1.07.C.3

JJ. Item #36: Parcel 1A (TOTE) Civil Site Improvements

1. Item Description: See 1.07.D.1. This item shall **also** include include sidewalk and fence restoration for Pole 130 and restoration of curbs.
2. Measurement: See 1.07.D.2
3. Payment: See 1.07.D.3

KK. Item #37: Parcel 1A (TOTE) Foundations

1. Item Description: See 1.07.E.1
2. Measurement: See 1.07.E.2
3. Payment: See 1.07.E.3

LL. Item #38: Parcel 1A (TOTE) New Timber Poles

1. Item Description: See 1.07.F.1
2. Measurement: See 1.07.F.2
3. Payment: See 1.07.F.3

MM. Item #39: Parcel 1A (TOTE) Temporary Provisions

1. Item Description: See 1.07.G.1. This item shall **also** include all tools, labor and equipment as necessary to support existing aerial lines during new pole installation.
2. Measurement: See 1.07.G.2
3. Payment: See 1.07.G.3

NN. Item #40: Parcel 1A (TOTE) New Electrical, Communications and Attachments

1. Item Description: See 1.07.H.1. for typical description.
2. Measurement: See 1.07.H.2
3. Payment: See 1.07.H.3

OO. Item #41: Parcel 1A (TOTE) Pole Commissioning

1. Item Description See 1.07.I.1
2. Measurement: See 1.07.I.2
3. Payment: See 1.07.I.3

PP. Item #42: Parcel 27 (NIM) Mobilization and Demobilization

1. Description and Measurement: See 1.07.B.1
2. Payment: See 1.07.B.2

QQ. Item #43: Parcel 27 (NIM) Demolition

1. Item Description: See 1.07.C.1.
2. Measurement: See 1.07.C.2
3. Payment: See 1.07.C.3

RR. Item #44: Parcel 27 (NIM) Civil Site Improvements

1. Item Description: See 1.07.D.1

2. Measurement: See 1.07.D.2
3. Payment: See 1.07.D.3

SS. Item #45: Parcel 27 (NIM) Foundations

1. Item Description: See 1.07.E.1
2. Measurement: See 1.07.E.2
3. Payment: See 1.07.E.3

TT. Item #46: Parcel 27 (NIM) New Timber Poles

1. Item Description: See 1.07.F.1
2. Measurement: See 1.07.F.2
3. Payment: See 1.07.F.3

UU. Item #47: Parcel 27 (NIM) Temporary Provisions

1. Item Description: See 1.07.G.1
2. Measurement: See 1.07.G.2
3. Payment: See 1.07.G.3

VV. Item #48: Parcel 27 (NIM) New Electrical, Communications and Attachments

1. Item Description: See 1.07.H.1.
2. Measurement: See 1.07.H.2
3. Payment: See 1.07.H.3

WW. Item #49: Parcel 27 (NIM) Pole Commissioning

1. Item Description: See 1.07.I.1
2. Measurement: See 1.07.I.2
3. Payment: See 1.07.I.3

XX. Item #50: Parcel 27 (NIM) Traffic Control

1. Item Description: The Work of this items shall include all signage, labor and equipment as necessary to develop, implement and operate traffic control around pole work zones in the NIM. The work shall include creation of traffic control plans and graphics to depict planned operation. The daily rate shall assume a 10-hour weekday workday.
2. Measurement: This item will be measured based on a daily rate.
3. Payment: This item will be paid for at the Contract lump sum daily rate as specified in the Contractor's submitted bid for the number of days required.

YY. Item #51: Parcel 27 (Terminal 7) Mobilization and Demobilization

1. Description and Measurement: See 1.07.B.1
2. Payment: See 1.07.B.2

ZZ. Item #52: Parcel 27 (Terminal 7) Demolition

1. Item Description: See 1.07.C.1. T
2. Measurement: See 1.07.C.2

3. Payment: See 1.07.C.3

AAA. Item #53: Parcel 27 (Terminal 7) Civil Site Improvements

1. Item Description: See 1.07.D.1. for typical description. This item shall **also** include all labor, tools and materials as necessary to extend or provide new curb and new matching bollard system around new pole.
2. Measurement: See 1.07.D.2
3. Payment: See 1.07.D.3

BBB. Item #54: Parcel 27 (Terminal 7) Foundations

1. Item Description: See 1.07.E.1
2. Measurement: See 1.07.E.2
3. Payment: See 1.07.E.3

CCC. Item #55: Parcel 27 (Terminal 7) New Timber Poles

1. Item Description: See 1.07.F.1
2. Measurement: See 1.07.F.2
3. Payment: See 1.07.F.3

DDD. Item #56: Parcel 27 (Terminal 7) Temporary Provisions

1. Item Description: See 1.07.G.1
2. Measurement: See 1.07.G.2
3. Payment: See 1.07.G.3

EEE. Item #57: Parcel 27 (Terminal 7) New Electrical, Communications and Attachments

1. Item Description: See 1.07.H.1. for typical description. This item shall **also** include all labor, tools and materials as necessary to furnish and install equipment mounting racks for Light Pole 17.
2. Measurement: See 1.07.H.2
3. Payment: See 1.07.H.3

FFF. Item #58: Parcel 27 (Terminal 7) Pole Commissioning

1. Item Description: See 1.07.I.1
2. Measurement: See 1.07.I.2
3. Payment: See 1.07.I.3

GGG. Item #59: Replacement Bollard

1. Item Description: The Work of this item includes all tools, labor, equipment, equipment and materials as necessary for furnishing and installing a Bollard Replacement for existing bollards demolished during pole replacement work.
2. Measurement: This item will be measured based on a per each amount.
3. Payment: This item will be paid for at the Contract per each price as specified in the Contractor's submitted bid.

HHH. Item #60: Trench Safety Systems

1. Item Description: The Work of this item includes shoring and safety systems for all trench and other excavations exceeding 4-foot depths.
2. Measurement: This item will be measured as a lump sum unit.
3. Payment: This item will be paid for at the Contract lump sum price as specified in the Contractor's submitted bid.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXEUCTION - NOT USED

END OF SECTION

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PART 1 - GENERAL

1.01 SUMMARY

A. This Section specifies requirements for all dewatering and management of water during the Work (i.e., Construction Water). Management of Construction Water includes storage, onsite treatment, water sampling and analysis, and discharge/disposal of treated water. Three discharge options include the following as described further herein:

1. Collection, storage, sampling, analysis, treatment and discharge to the Port Owned Storm Water System
2. Infiltration within immediate vicinity of excavation
3. Storage, sampling, analysis, treatment, and hauling of water to an alternative off-site disposal facility that meets all local, state, and federal regulations, with review and approval of the Port.

These options can be selected at the Contractors option utilizing the criteria described herein, subject to Port testing of Construction water, and it is anticipated that the Contractor may use more than one of these options.

B. Port will conduct testing and determine if the dewatering water can be discharged to storm, infiltrated, or disposed of offsite.

C. The Contractor shall bear all costs and obtain all permits associated with dewatering at no additional cost to the Engineer and with no delay to the work. Contractor is responsible for all costs associated with generating, managing, treating, conveying, hauling, and disposing of Construction Water necessary to execute the requirements of the Work.

D. Dewatering shall be managed based on environmental characteristics observed in the field during the project. Dewatering Water shall not be discharged to the adjacent waterbody.

E. Dewatering of excavation area will be necessary to facilitate excavation, observation and evaluation of the excavation limits, utilities installation, foundation construction, and backfilling. The extent of dewatering needed shall be determined by the Contractor.

F. Sources of contaminated or potentially contaminated Construction Water includes, but is not limited to, excavation dewatering, drainage from stockpiled material, decontamination water, and stormwater runoff that comes in contact with potentially contaminated materials at the Site.

G. Discharge and disposal alternatives to be selected by the Contractor are described further below:

1. Storm Water Discharge: For water discharged to the Port Storm Water System, the Construction Water shall be collected, stored, and treated as required to demonstrate the water meets the discharge requirements of the Port of Tacoma Phase I Municipal Stormwater Permit. Contractor shall provide a Dewatering Plan including proposed means for handling the dewatering discharge; the types of equipment, materials and manufactured items to be incorporated into the dewatering system and any additional permits needed. Work affected by the plan shall not be performed until the Plan, is approved by the Engineer.
2. Infiltration: If contractor chooses to discharge by infiltration, the Construction Water shall be tested prior to discharge to demonstrate the water meets permit requirements. If testing indicates infiltration is not permitted, Contractor is responsible for discharging Construction Water using other permitted methods.

3. Off-site disposal facility: Other offsite water treatment and disposal facilities can be selected for disposal of collected Construction Water, subject to approval of the Engineer. Contractor shall provide pretreatment of Construction Water and required sampling and analysis, if necessary, to meet the disposal requirement of the off-site water treatment and disposal facility. Contractor is responsible for coordination with off-site water treatment and disposal facility for disposal authorization, and storage, pre-treatment (if necessary), trucking and offsite disposal.

H. Contractor is responsible for providing sufficient storage capacity for construction water during implementation of the Work. Contractor shall be solely responsible for delays in field activities due to lack of onsite water storage capacity, or any operation deficiencies of the Construction Water storage or treatment system.

1.02 DESCRIPTION OF WORK

A. This covers work necessary to control and observe groundwater for excavations below the groundwater level as required for performance of the work. This section specifies the definition, responsibilities, design requirements, and execution of groundwater control related to below grade excavations.

B. Groundwater control shall also include detailing, furnishing, installing, operating, maintaining, and eventually abandoning and removing all groundwater control and observation systems and related systems and equipment that may be needed to observe and control groundwater, seepage, and other incidental water in the trench or excavation during construction.

C. The Contractor is solely responsible for the design of the groundwater control system components: pumps, header pipes, discharge piping, valving, and other equipment and appurtenances for the groundwater control systems. The Contractor is also solely responsible for installation, operation, maintenance, equipment performance, equipment failure, or damage resulting from installation or operation of any component of the groundwater control systems.

D. The Contractor is responsible for clearance of buried facilities/utilities at all groundwater control systems.

1.03 REFERENCED STANDARD

A. This Section incorporates by reference the latest revision of the following documents. These references are a part of this Section as specified and modified. In case of conflict between the requirements of this Section and that of the listed document, the requirements of this Section shall prevail, provided that all regulatory requirements are met.

1. American Society for Testing Materials (ASTM), Standard Specifications and Standard Test Methods, designated by basic reference in this section (use the most current edition at the time of bid unless otherwise indicated).

2. ASTM D 5092 Standard Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers.

3. ASTM D 422 Standard Method for Particle Size Analysis of Soils.

4. ASTM D4044 Standard Test Method for (Field Procedure) for Instantaneous Change in Head (Slug) Tests for Determining Hydraulic Properties of Aquifers.

5. Washington Administrative Code (WAC) Chapter 173-160 - Minimum Standards for Construction and Maintenance of Wells.

6. Washington Administrative Code (WAC) Chapter 173-218 - Underground Injection Control Program.

7. Washington Administrative Code (WAC) Chapter 173-200 - Water Quality Standards for Ground Waters of the State of Washington.
8. Washington Administrative Code (WAC) Chapter 173-201A - Water Quality Standards for Surface Waters of the State of Washington.
9. Washington Administrative Code (WAC) Chapter 173-154 - Protection of Upper Aquifer Zones.
10. United States Environmental Protection Agency (EPA) Method 180.1 – Determination of Turbidity by Nephelometry.

1.04 QUALITY ASSURANCE

A. The Contractor shall obtain all necessary permits and authorizations for collecting and disposing of the dewatering discharge.

B. It shall be the sole responsibility of the Contractor to control the rate and effect of the dewatering operations in such a manner as to avoid all settlement, subsidence, and undermining.

C. Dewatering systems shall be designed by the Contractor. All dewatering operations shall be adequate to assure the integrity of the finished project and shall be the responsibility of the Contractor.

1.05 SUBMITTALS

A. Shall be as described in Section 01 33 00 Submittal Procedures and as outlined below:

1. A Dewatering Plan including the proposed means and methods for handling the dewatering discharge and the permits required. Include the types of equipment, materials, and manufactured items to be incorporated in the dewatering system. Work affected by the plan shall not be performed until the original plan, or a revised plan, is approved by the Engineer.
2. At least 15 working days prior to beginning work at a site, the Contractor is required to submit site specific mechanical and surface collection plans and details for groundwater control at the site. The plan shall show the pump types and sizes selected, header surface piping layout, primary and backup power systems, details of discharge piping if crossing roads or drive aisles including methods of protecting the pipe and traffic and other related information.
3. The Contractor shall adjust site specific plans in the field as necessary to meet the conditions encountered and to ensure excavations are dewatered as specified.
4. The plans shall show the proposed route of the discharge pipeline compatible with the Contractor’s work plan, and the discharge point. The proposed route of discharge piping and holding tank placement shall be approved by the Port.
5. The plans shall also contain a narrative description of the installation sequence and methods as well as operation and maintenance procedures and observation of groundwater levels.
6. The Contractor’s groundwater control submittals shall meet all requirements listed above. The Engineer's review of the submittals shall not relieve the Contractor of the responsibility to provide a safe and adequate groundwater control system.

B. Groundwater Control Plans: Submit a groundwater control plan for each work site that includes:

1. Drawings and description of location, method and equipment used for dewatering in excavation. Provide detailed breakdown of material and equipment (extraction wells, fittings, intake equipment, hoses and piping, sumps, pumps, valves, electrical power, meters, and other significant equipment).
2. Methods and equipment for collection and storage of construction water. The plan shall include the proposed number of storage tanks, sizes, and locations.
3. Construction water treatment system design, installation, operation, and maintenance for collected water. The plan shall include the details of the water treatment train and system components.
4. List of proposed off-site water treatment and disposal facilities for review and approval by the Port.
5. Discharge criteria of the Port's stormwater conveyance system or off-site water treatment and disposal facility.
6. Infiltration Plan describing proposed means and methods.
7. Identify Ecology-accredited laboratory that the Contractor plans to use for sampling and analysis of construction water for Port approval.

C. Provide a copy of the discharge authorization permit that the Contractor obtains from the City or provide disposal approval obtained by the Contractor from the off-site treatment and disposal facility (as applicable).

D. All handling and discharge records or receipts for the project duration.

E. Prior to disposing waste materials off-site, provide the waste acceptance documentation from the disposal companies. The Engineer may require the Contractor to provide additional information concerning the waste hauling and disposal companies. Hauling waste to an off-site licensed disposal company is only allowed if approved by the Engineer based on the type of waste being disposed of and the qualifications and appropriate licensing of the hauling and disposal companies.

PART 2 - MATERIALS

2.01 GENERAL

A. Products required to accomplish, or to be incorporated into, the work of this section shall be selected by the Contractor, subject to review by the Engineer.

B. Provide sufficient pumping equipment and other machinery to assure that the operation of the dewatering systems can be maintained.

C. If necessary, water treatment storage tanks for construction dewatering shall be weir type tanks with internal baffles designed to aid in the retention of settleable solids. Tanks with oil/water separators or other treatment equipment may be necessary if LNAPL petroleum or heavy sheen is observed in Construction Water. Each storage tank shall be properly sized and suitable for its intended use.

1. Provide suitable water storage tanks and water treatment equipment, and all ancillary materials and equipment needed to remove settleable solids from construction water and to treat extracted water to meet the discharge criteria.
2. Select pumps, discharge hose/pipe, and storage tanks that are adequately sized to prevent overflow and will not allow untreated water to leave the treatment area.

3. Provide spare pumps, power supplies, and parts required to ensure continuous operation of system.

4. Provide a system to continuously meter and monitor the volume of all discharge flow to the Port of Tacoma stormwater conveyance system; the monitoring system shall have the capability to shut off the flow, or inhibit motor starter operations and divert to the emergency storage tank based on current conditions within the Port of Tacoma stormwater conveyance system (e.g., water level in the discharge manhole). Additionally, provide a flow totalizing meter to measure the volume of water associated with dewatering activities.

PART 3 - EXECUTION

3.01 TESTING

[3] A. Contractor shall give Port no less than one week notice for sampling collected water prior to discharge. Contractor shall anticipate at least two weeks for lab results.

[3] ~~3.01~~3.02 DEWATERING

A. Contractor shall furnish, at a minimum, all labor, materials, and equipment, and perform all operations required to maintain the dewatering equipment and water storage systems as required to collect and store Construction Water from the areas where it has collected and prevent discharge of any Construction Water out of the Project Site. Contractor shall demobilize and decontaminate all dewatering equipment and materials upon completion of the Work.

B. Contractor shall install, operate, and remove the dewatering systems in accordance with applicable federal, state, county, and local Laws and regulations, and accepted industry practices.

C. Safety of personnel and protection of designated onsite facilities during dewatering Work, shall solely be the Contractor's responsibility.

D. Contractor is responsible for preventing contaminated stormwater from leaving the site. The discharge water from dewatering operations shall not be allowed to discharge to a storm drain or otherwise discharge to surface water.

E. Contractor shall divert surface water away from the excavation and stockpiles.

F. Excavations shall be dewatered to maintain a dry work area when the excavation remains open.

G. Coordinate design and installation of excavation dewatering systems with temporary excavation shoring systems (if applicable).

H. Modify excavation dewatering and water storage methods and equipment at no additional cost to the Port if the Port determines that Contractor's methods and equipment are not adequate for site conditions encountered during the work. Do not cease excavation dewatering activities until the excavation is satisfactorily backfilled, unless otherwise approved by the Port.

[3] ~~3.02~~3.03 INFILTRATION REQUIREMENTS

A. Any water that is infiltrated must infiltrate upgradient of where it was removed, and a minimum distance of 200 feet from the shoreline.

B. Construction Water shall not be disposed of by infiltration if pH exceeds 8.5 or is less than 6.5, or if a petroleum sheen or odor is present.

C. If water does not meet infiltration requirements discussed above, all water from the dewatering activities shall be pumped to on-site storage tanks for treatment and disposal as described in paragraph 3.03 below.

[3] ~~3.03~~3.04 WATER TREATMENT, TRANSPORT AND DISPOSAL

A. Contractor shall provide water treatment for the collected Construction Water and discharge at the nearest Port owned storm drain. Alternatively, Contractor can haul the Construction Water to an offsite water treatment and disposal facility approved by the Port for disposal. Pre-treatment may or may not be necessary based on requirement of offsite water treatment and disposal facility.

B. Store collected Construction Water in storage tanks on site until the water is treated and meets the discharge requirements of the City's stormwater management manual or is acceptable to offsite water treatment facility.

C. If Contractor chooses to discharge Construction Water into City of Tacoma Sewer under a Special Authorized Discharge Permit:

1. Contractor shall submit application to the City of Tacoma Source Control and obtain the temporary sanitary sewer discharge authorization permit for the treated Construction Water prior to commencement of the Work.

2. Contractor shall treat the stored water, as required by the City of Tacoma

3. Coordinate with the Port for the location of discharge.

4. Install pumps, hoses, piping, and fittings necessary for the discharge.

5. Contractor shall use a totalizing flow meter to measure and record the volume of treated water discharged to the storm drain. The discharge flow records shall be documented in the Contractor's Daily Construction Report.

D. If Contractor chooses to haul the un-treated Construction Water (or any LNAPL or sheen separated during the Construction Water treatment process) to an offsite water treatment facility for treatment and disposal, Contractor shall perform sampling and analysis of the Construction Water and pre-treatment (if necessary) to ensure the water meets the disposal requirements at the water treatment and disposal facility. The Contractor shall coordinate with the off-site water treatment and disposal facility for disposal authorization and provide disposal authorization to the Port. If pre-treatment of the construction water is required to meet the discharge requirements, Contractor shall provide water treatment as necessary to meet the requirements. Contractor shall provide analytical results to Port prior to hauling the Construction Water to the off-site treatment and disposal facility.

E. The Construction Water treatment system shall be operated by Contractor's designated operator with required certification to operate the system as required by applicable regulations, if necessary.

[3] ~~3.04~~3.05 INSPECTION

A. Contractor shall perform visual inspections daily during dewatering, collection, water treatment and discharge activities. At a minimum, examine piping and hoses for leaks or excessive wear, inspect storage tanks for accumulated sheen or oil, check water treatment system components for proper functioning, and replace filters or cartridges (if applicable) as necessary.

B. Contractor shall inspect and repair or replace damaged components of dewatering system, and water collection, storage, and treatment system, as necessary.

C. On a daily basis, record flow totalizer readings to document the volume of water conveyed to the onsite treatment system and to the Port's storm drain system; provide such readings to the Port and prepare discharge monitoring reports. Contractor shall also examine the quantity of solids accumulated in the weir tank(s) on at least a weekly basis.

[3] ~~3.05~~3.06 DISCHARGE OF PUMPED GROUNDWATER

A. Discharge piping shall be routed, constructed, and terminated in a manner and at a location approved by the Port.

B. When groundwater control is performed in conjunction with the state Construction Stormwater General Permit (CSGP), it shall be done in compliance with that permit, including use of its approved best management practices (including treatment), turbidity monitoring, and response requirements.

C. When groundwater control is performed where the CSGP is not applicable, then discharges (including uncontaminated ground water) must not cause or contribute to a violation of surface water quality standards, including Chapter 173-201A WAC, which states that the discharge shall increase the receiving waters by no more than 5 NTU over background turbidity, if background is less than 50 NTU, or by no more than 10% over background turbidity, if background is 50 NTU or greater. At any time benchmarks or water quality limits are exceeded, and the Engineer allows the groundwater well to continue pumping, the Contractor shall immediately begin use of applicable BMPs approved in the latest version of the Stormwater Management Manual for Western Washington, or equivalent as approved by the Engineer.

D. The Contractor shall provide booster pumps along the discharge line if required to deliver the flow to the discharge point.

E. Install sampling valves at each well location for purposes of collecting discharge samples.

[3] ~~3.06~~3.07 HEALTH AND SAFETY

A. Contractor shall include within its site-specific health and safety plan a description of the hazards associated with the contaminants expected in the collected construction water. The plan shall include site-specific conditions of potential exposure associated with confined spaces (e.g., accessing or opening hatches on the top of the weir tank and ascending or opening lids of sewer manholes).

B. Prevent stormwater and groundwater from leaving all contaminated soil stockpiles and from entering storm sewer systems and surface water.

C. Contractor shall bear the cost of managing construction water originating from areas occupied or disturbed by Contractor during performance of the work and shall employ such additional measures as may be required to prevent environmental harm or physical damage to the work, the work area, or adjacent property.

END OF SECTION

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