

# PORT OF TACOMA

**PIERCE COUNTY TERMINAL  
OPERATIONAL PAVEMENT REPAIRS  
PROJECT NO. 201038.01  
CONTRACT NO. 071158**

## PORT COMMISSIONERS:

**DONALD JOHNSON  
RICHARD MARZANO  
DON MEYER  
JOHN MCCARTHY  
CLARE PETRICH**

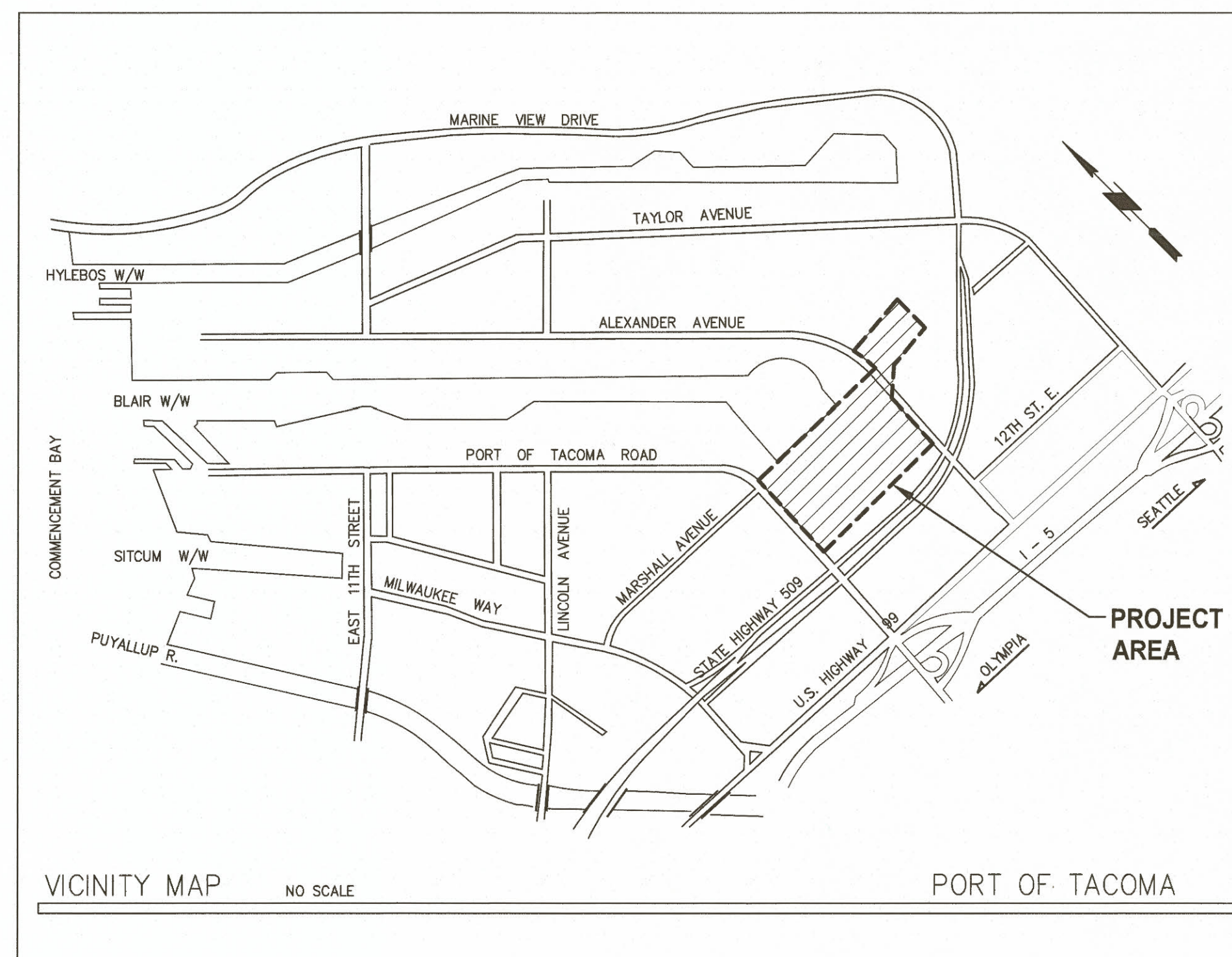
## PORT STAFF:

**ERIC JOHNSON**  
**Executive Director**

**DAKOTA CHAMBERLAIN, PE**  
**Chief Facilities**  
**Development Officer**

**TREVOR THORNSLEY, PE**  
**Director of Engineering**

**DAVID MYERS, ARCHITECT**  
**Project Manager**





DRAWING LIST		
SHEET DESIGNATION	SHEET #	SHEET TITLE
G1.01	1	COVER PAGE & SHEET INDEX
G1.02	2	GENERAL NOTES, ABBREVIATIONS & LEGEND
G1.03	3	TESC DETAILS
C0.00	4	SITE PLAN
C1.01	5	ENLARGED UTILITIES PLAN 01
C1.02	6	ENLARGED UTILITIES PLAN 02
C1.03	7	ENLARGED UTILITIES PLAN 03
C1.04	8	ENLARGED UTILITIES PLAN 04
C1.05	9	ENLARGED UTILITIES PLAN 05
C2.01	10	SITE DETAILS 01
C2.02	11	SITE DETAILS 02
C2.03	12	SITE DETAILS 03
C2.04	13	SITE DETAILS 04
C2.05	14	SITE DETAILS 05
C2.06	15	SITE DETAILS 06
C2.07	16	PAVING SECTIONS

CONSULTANT:



moffatt &amp; nichol

600 UNIVERSITY STREET  
SUITE 610  
SEATTLE, WA 98101  
(206) 622-0222

<b>6635</b> <b>G1.01</b> <b>SHEET 1 OF 16</b>	<b>PIERCE COUNTY TERMINAL</b> <b>OPERATIONAL PAVEMENT REPAIRS</b> <b>COVER PAGE &amp; SHEET INDEX</b>				APPROVED: <i>[Signature]</i> <b>J. VANDENBERG</b>	T. MCCOLLOUGH CHECKED BY DATE <b>B. HALEY</b> 8/29/19		 <b>moffatt &amp; nichol</b> 600 UNIVERSITY STREET, SUITE 610 SEATTLE, WA 98101 (206) 622-0222	P.O. BOX 1837 TACOMA, WA 98401 (253)355-5841 <b>Part of Tacoma</b>
	TOWNSHIP: 20N DAT-HRZ: NAD83 / 2007 M. ID: 201038.01	RANGE: 3E VERT: MLLW	SECTION: PRINTED BY: cgreene Aug 29, 2019 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	DIRECTOR ENG. DATE PROJ. ENGR DATE	MARK: REVISION: BY: DATE:				



GENERAL NOTES:

1.

THE PLANS INDICATE TYPICAL REPAIR AND REHABILITATION OF EXISTING YARD STRUCTURES AND SHALL BE CONSIDERED TO BE REFERENCE INFORMATION FOR THE PURPOSES OF BID PREPARATION OF THE UNIT PRICE PAY ITEMS. WORK OF THIS CONTRACT WILL BE AUTHORIZED ON A TASK BY TASK BASIS AND MAY VARY FROM THE WORK REPRESENTED ON THE PLANS. THE LOCATIONS AND LIMITS OF WORK IS SUBJECT TO FIELD DETERMINATION BY THE ENGINEER AND AUTHORIZATION ON A TASK BY TASK BASIS.
2.

THE CONTRACTOR SHALL PERFORM ALL WORK IN SUCH A MANNER AS TO NOT IMPACT TERMINAL OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE PORT AND SCHEDULE WORK TO MINIMIZE DISRUPTION, STRICT COMPLIANCE WITH THE SPECIFIED WORK HOURS AND DAYS WILL BE ENFORCED. SEE SPECIFICATIONS FOR CONSTRUCTION LIMITATIONS AND RELATED INFORMATION.
3.

THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES. CONTRACTOR SHALL PROVIDE TIMELY NOTIFICATION TO THE ENGINEER FOR ALL ITEMS OF WORK REQUIRING COORDINATION.
4.

THE CONTRACTOR SHALL PROVIDE ALL NOTICES AND PERMITS REQUIRED FOR THIS WORK.
5.

IF CLASSIFIED HAZARDOUS MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR IS DIRECTED TO STOP WORK IN THE EFFECTED AREA IMMEDIATELY AND NOTIFY THE ENGINEER.
6.

CONTRACTOR SHALL OBTAIN APPROVAL OF THE ENGINEER PRIOR TO DISCONNECTING OR INTERRUPTING THE OPERATION OF ANY EXISTING UTILITY OR SYSTEM. CONTRACTOR SHALL REQUEST PERMISSION FROM THE ENGINEER A MINIMUM OF TWO (2) DAYS PRIOR TO DISRUPTING SAID UTILITY.
7.

MODIFICATIONS TO EXISTING STRUCTURES SHALL MAINTAIN A LOAD CAPACITY OF 125 KIPS (REFER TO REFERENCE DOCUMENT PCT REDEVELOPMENT CONSTRUCTION SHEET S1.1 PROVIDED BY THE PORT).

ABBREVIATIONS

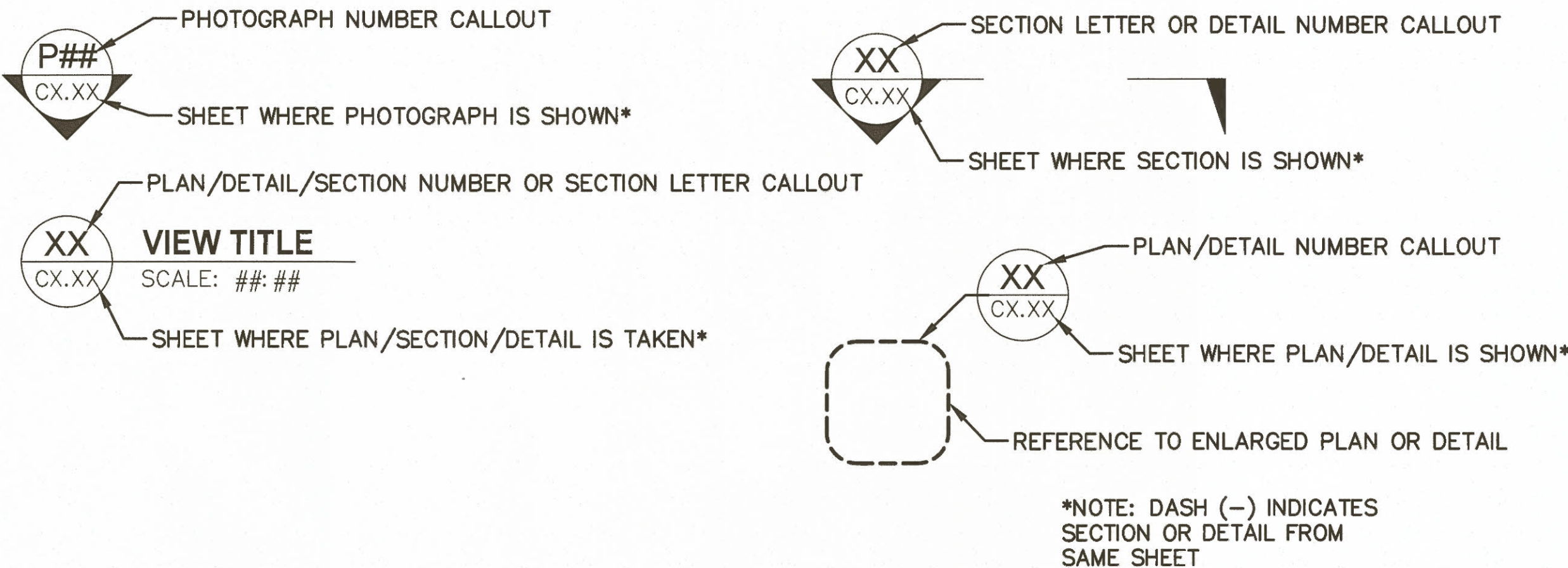
'	FEET
"	INCHES
⊙	AT
ACP	ASPHALT CONCRETE PAVEMENT
APPROX	APPROXIMATE
BLDG	BUILDING
CB	CATCH BASIN
CL	CLASS
COMM	COMMUNICATIONS
CONC	CONCRETE
CPV	CRANE POWER VAULT
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
CTR	CENTER
CV	COMMUNICATIONS VAULT
CY	CUBIC YARD
DIA, Ø	DIAMETER
DIM	DIMENSION
ELEC	ELECTRICAL
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ESC	EROSION AND SEDIMENTATION CONTROL
EW	EACH WAY
EX	EXISTING
FOV	CRANE FIBER OPTIC COMMUNICATIONS VAULT
FT	FEET
FV	FIELD VERIFY
FW	FIRE WATER
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
IE	INVERT ELEVATION
KIPS	THOUSANDS OF POUNDS
LF	LINEAR FEET
MAINT	MAINTENANCE
MAX	MAXIMUM
MFR's	MANUFACTURERS
MH	MANHOLE
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
N	NORTH OR NORTHING
NA	NOT APPLICABLE
NGAS	NATURAL GAS
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OWS	OIL / WATER SEPARATOR
PCT	PIERCE COUNTY TERMINAL
PG	PERFORMANCE GRADE
POT	PORT OF TACOMA
PV	POWER VAULT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

REINF REQ'D	REINFORCED REQUIRED
ROW	RIGHT OF WAY (CITY OF TACOMA)
RR	RAIL ROAD
SD	STORM DRAINAGE
SIM	SIMILAR
SS	SANITARY SEWER
STD	STANDARD
SV	SITE COMMUNICATIONS VAULT
TESC	TEMPORARY EROSION AND SEDIMENTATION CONTROL
TEL	TELEPHONE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VLV	VAULT VALVE

LEGEND

EXISTING	DESCRIPTION
	FENCE
	RAILROAD TRACKS
	ROW/PROPERTY LINE.
	TRAFFIC FLOW DIRECTIONAL ARROW (REFERENCE ONLY)
	POLE
	TYPE 1L CB
	TYPE 2 CB
	POWER / COMMUNICATION VAULT
	ACP
	GRAVEL BASE
	SUBGRADE
	ACP
	CAST-IN-PLACE CONC
	FLOWABLE FILL BASE COURSE

REFERENCE CALLOUTS



ONE-CALL at 1-800-424-5555

UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE, AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURE. TO DETERMINE ACTUAL LOCATIONS, SIZE, AND MATERIAL, THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 1-800-424-5555 AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

6635

G1.02

SHEET 2 OF 16

CONTR/CONS: 071158  
M. ID: 201038.01  
PHASE: BID SET

PIERCE COUNTY TERMINAL  
OPERATIONAL PAVEMENT REPAIRS  
GENERAL NOTES, ABBREVIATIONS & LEGEND

TOWNSHIP: 20N  
RANGE: 3E  
DAT-HRZN:AD83/2007  
VERT: MLLW  
PARCEL: DRAWING SCALE: AS NOTED

APPROVED:

T. MCCOLLOUGH  
CHECKED BY: DATE  
B. HALEY 8/29/19  
PROJ. ENGR DATE  
DIRECTOR ENG. DATE  
PRINTED BY: cgreene Aug 29, 2019  
PORT ADDRESS: ONE SITCUM PLAZA  
TACOMA, WA 98401-1837

9/12/19

Port of Tacoma  
P.O. BOX 1887 TACOMA, WA 98401 (206) 822-0222

moffatt & nichol  
600 UNIVERSITY STREET, SUITE 610  
SEATTLE, WA 98101  
(206) 822-0222

MARK: REVISION: BY: APPR: DATE:



TEMPORARY EROSION & SEDIMENT CONTROL (TESC) NOTES:

- A. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS SECTION 01 57 13.
- B. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED TO PREVENT ERODED SEDIMENT AND TURBID WATER FROM ENTERING THE STORM DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES DURING AND FOLLOWING CONSTRUCTION UNTIL ENTIRE SITE HAS BEEN STABILIZED.
- C. CERTAIN BEST MANAGEMENT PRACTICES (BMPs) THAT MAY BE APPLICABLE TO THE CONTRACTOR'S IMPLEMENTATION OF THE WORK ARE PRESENTED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, AS AMENDED IN DECEMBER 2014, INCLUDING VOLUME 2 "STORMWATER MANAGEMENT" AND INCLUDE:

— BMP C103: HIGH VISIBILITY FENCE

— BMP C105: STABILIZED CONSTRUCTION ENTRANCE/EXIT

— BMP C107: CONSTRUCTION ROAD/PARKING AREA STABILIZATION

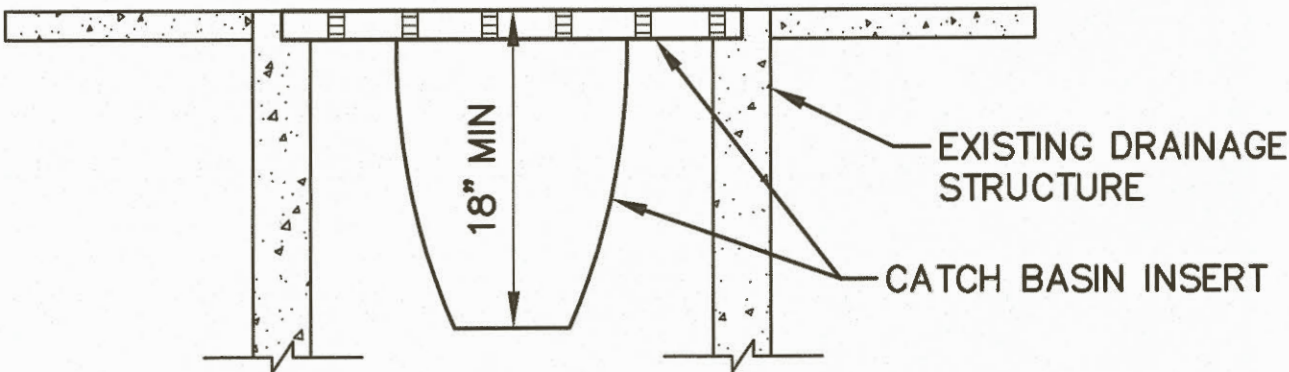
— BMP C152: SAWCUTTING AND SURFACING POLLUTION PREVENTION

— BMP C153: MATERIAL DELIVERY, STORAGE, AND CONTAINMENT

— BMP C154: CONCRETE WASHOUT AREA

— BMP C160: CERTIFIED EROSION AND SEDIMENT CONTROL LEAD

— BMP C220: STORM DRAIN INLET PROTECTION
- D. IF SEDIMENT IS TRANSPORTED ONTO A PAVED SURFACE, THE SURFACE(S) SHALL BE CLEANED IMMEDIATELY USING A METHOD ACCEPTABLE TO THE ENGINEER. IF A SWEEPER IS USED, IT SHALL BE A REGENERATIVE AIR SWEEPER.
- E. THE CONTRACTOR SHALL MAINTAIN, REPLACE, AND UPGRADE TESC FACILITIES UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED. IF EROSION CONTROL FACILITIES FAIL, THEY SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- F. TESC FACILITIES SHALL BE PROVIDED IN CONJUNCTION WITH CLEARING AND GRADING AND/OR DEMOLITION ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT ERODED SEDIMENT OR TURBID WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- G. AS CONSTRUCTION PROGRESSES AND UNEXPECTED CONDITIONS AND/OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL FACILITIES TO ENSURE COMPLETE SILTATION CONTROL ON THE PROJECT SITE.
- H. ADDRESS ANY NEW CONDITIONS AND PROVIDE ADDITIONAL FACILITIES AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM AND AS REQUIRED BY THE ENGINEER.
- I. CATCH BASIN CLEANING SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM PIPE OR SYSTEM.
- J. THE CONTRACTOR SHALL PROTECT STOCK PILE AREAS FROM RELEASE OF ERODED SEDIMENT OR SEDIMENT-LADEN WATER. STOCK PILES SHALL BE LINED AND COVERED AT ALL TIMES WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY.
- K. ALL DISTURBED AREAS SHALL BE STABILIZED BY ACCEPTABLE METHODS FOR THE PREVENTION OF ON-SITE EROSION AFTER COMPLETION OF CONSTRUCTION.
- L. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FACILITIES FROM EACH WORK AREA AFTER IT HAS BEEN COMPLETELY STABILIZED.



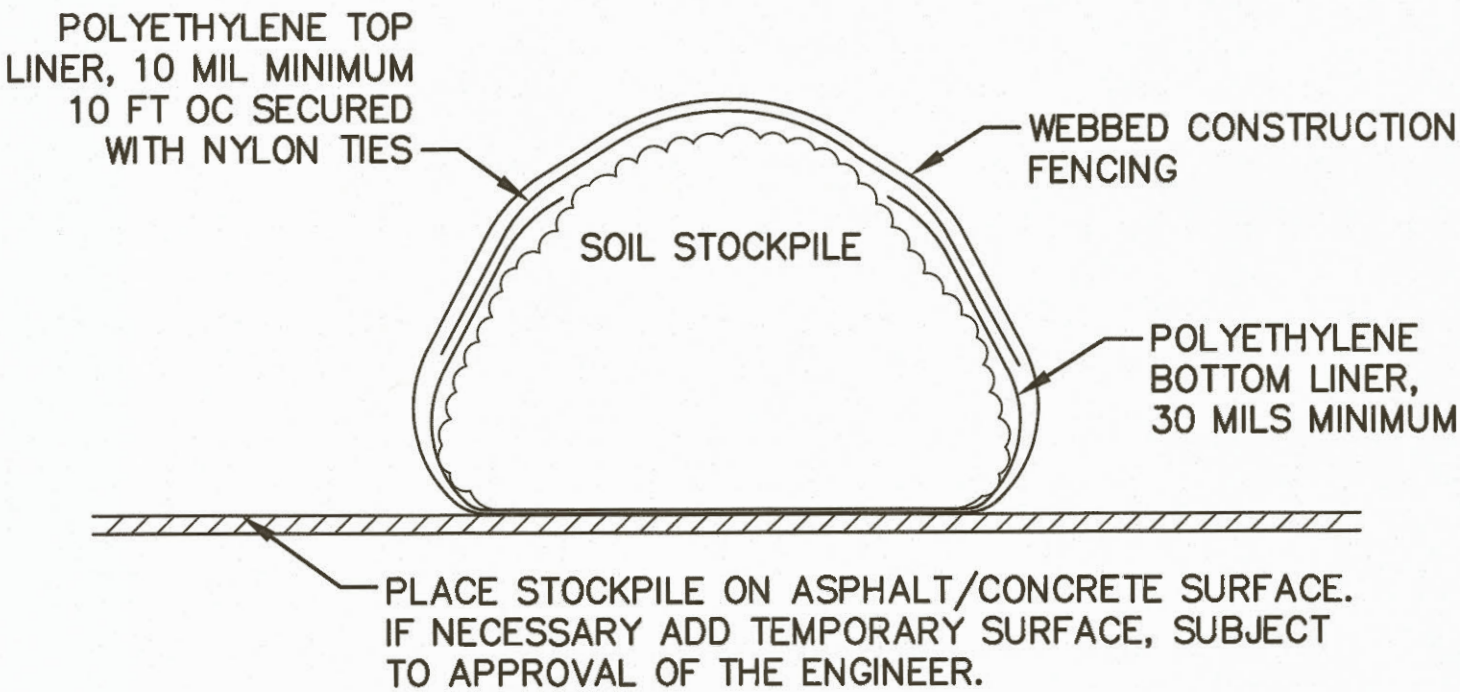
NOTES:

- A. THE CATCH BASIN INSERT DETAIL IS SCHEMATIC.
- B. CATCH BASIN INSERTS SHALL HAVE A MINIMUM STORAGE CAPACITY OF 0.5 CUBIC FEET AND A MEANS TO DEWATER THE STORED SEDIMENT. INSERTS SHALL HAVE AN OVERFLOW AND SHALL BE EASY TO MAINTAIN.
- C. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN INSERT.
- D. INSERTS SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS WITHIN 100 FEET OF WORK LIMITS PRIOR TO CLEARING AND GRADING ACTIVITY.

1

CATCH BASIN INSERT

SCALE: NTS



2

SOIL MANAGEMENT AREA STOCKPILE WRAP

SCALE: NTS

6635

G1.03


SHEET 3 OF 16

CONTRACT/CONS: 071158  
M. ID: 201038.01  
PHASE: BID SET

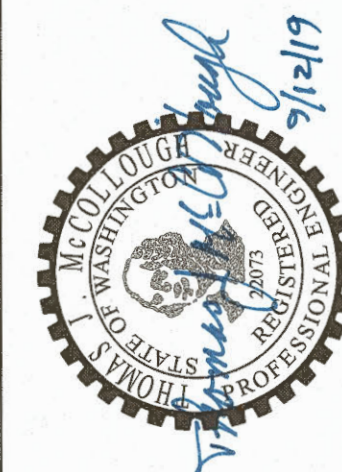
PIERCE COUNTY TERMINAL  
OPERATIONAL PAVEMENT REPAIRS

TESC DETAILS

TOWNSHIP: 20N  
RANGE: 3E  
SECTION: MLLW  
DATE-HRZ: NAD83/2007  
VERT: MLLW  
PARCEL: DRAWING SCALE: AS NOTED

APPROVED:  J. VANDENBERG  
DIRECTOR  
ENG. DATE: 8/29/19  
PRINTED BY: cgreene  
Aug 29, 2019  
PORT ADDRESS: ONE SITCUM PLAZA  
TACOMA, WA 98401-1837


T. MCCOLLOUGH  
CHECKED BY: DATE: 8/29/19  
B. HALEY  
PROJ. ENGR DATE: 8/29/19



5/12/19

moffatt & nichol  
600 UNIVERSITY STREET, SUITE 610  
SEATTLE, WA 98101  
(206) 422-0222

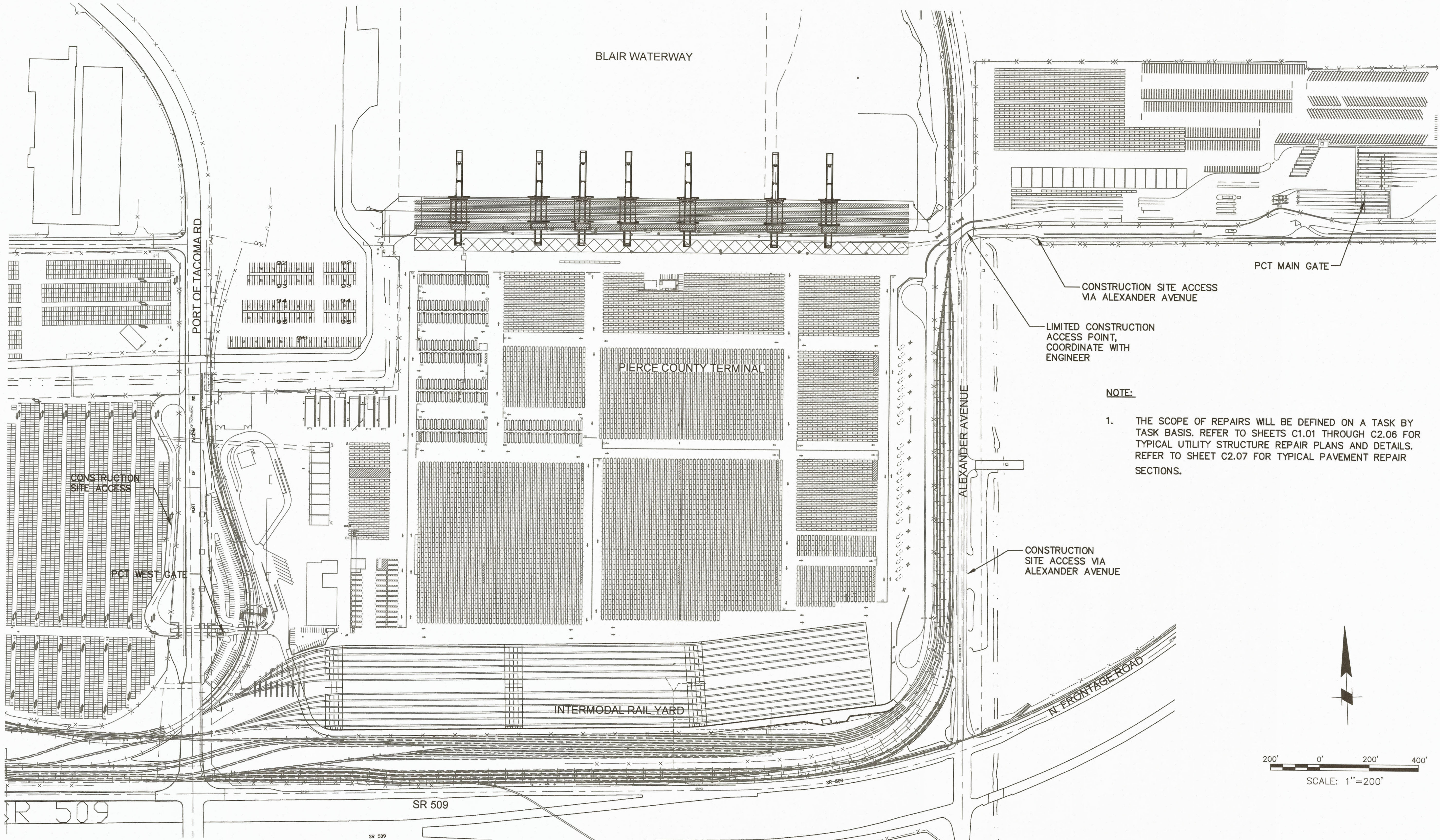
MARK: REVISION: BY: APPR: DATE:



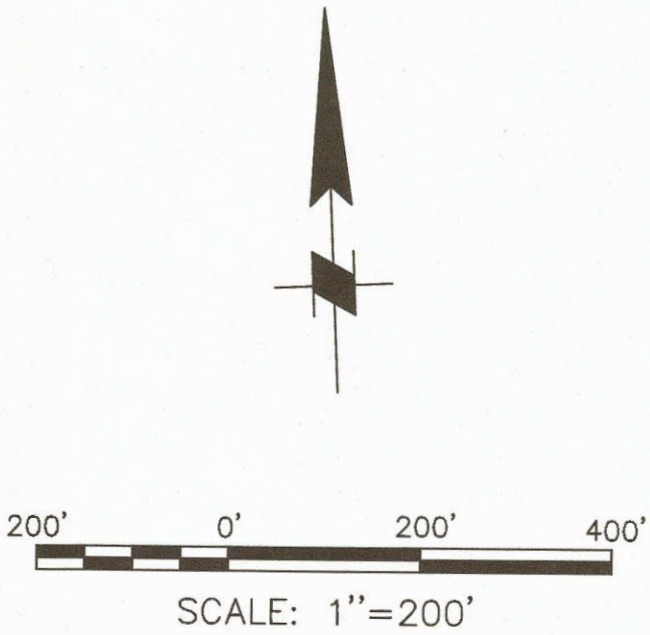
P.O. BOX 1837 TACOMA, WA 98401 (206) 388-5441

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION





- NOTE:**
1. THE SCOPE OF REPAIRS WILL BE DEFINED ON A TASK BY TASK BASIS. REFER TO SHEETS C1.01 THROUGH C2.06 FOR TYPICAL UTILITY STRUCTURE REPAIR PLANS AND DETAILS. REFER TO SHEET C2.07 FOR TYPICAL PAVEMENT REPAIR SECTIONS.



**SITE PLAN**  
SCALE: 1"=200'

<b>6635</b> <b>C0.00</b> SHEET 4 OF 16	<b>PIERCE COUNTY TERMINAL OPERATIONAL PAVEMENT REPAIRS SITE PLAN</b>				<b>APPROVED:</b>  J. VANDENBERG DIRECTOR ENG. DATE: 8/29/19 PRINTED BY: cgreene Aug 29, 2019 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		<b>moffatt &amp; nichol</b> 600 UNIVERSITY STREET, SUITE 610 TACOMA, WA 98401 (206) 422-0222	 Port of Tacoma P.O. BOX 1837 TACOMA, WA 98401 (206) 386-5841
	CONT./CONS: 071158 M. ID: 201038.01 PHASE: BID SET	TOWNSHIP: 20N RANGE: 3E SECTION: MLW DATE-HRZ: NAD83/2007 PARCEL: AS NOTED	MARK: REVISION: BY: DATE: APPR:					

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION