

# PORT OF TACOMA

## WAPATO CREEK BRIDGE AND CULVERT REMOVAL

### PROJECT NO. 201070.01 CONTRACT NO. 071198

#### PORT COMMISSIONERS:

DON MEYER  
KRISTIN ANG  
RICHARD P. MARZANO  
DEANNA KELLER  
JOHN McCARTHY

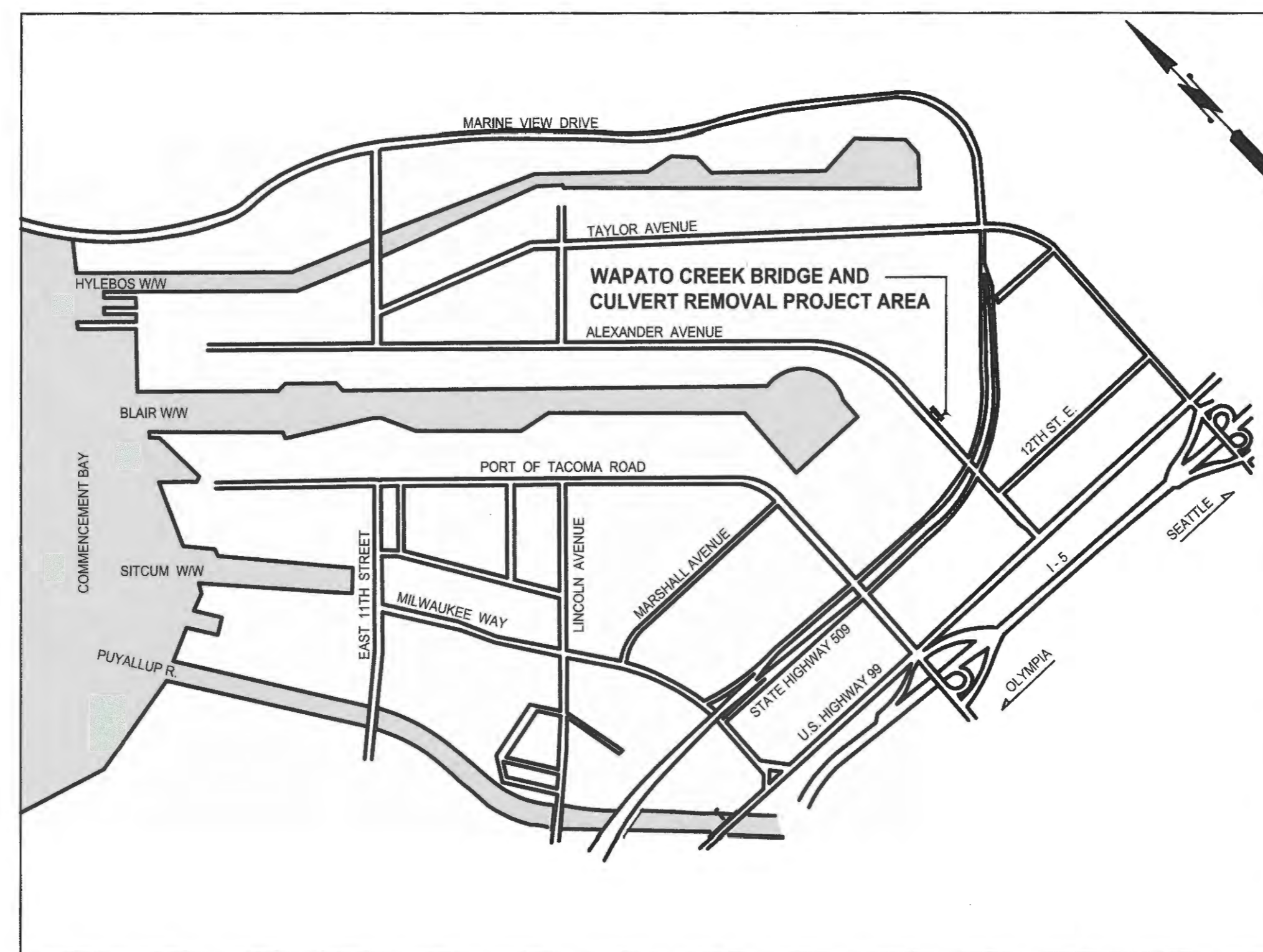
#### PORT STAFF:

JOHN WOLFE  
Chief Executive Officer

DAKOTA CHAMBERLAIN, PE  
Chief Facilities  
Development Officer

TREVOR THORNSLEY, PE  
Director of Engineering

STAN RYTER, PE  
Senior Project Manager



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6608  
**G1.1**  
1 OF 33

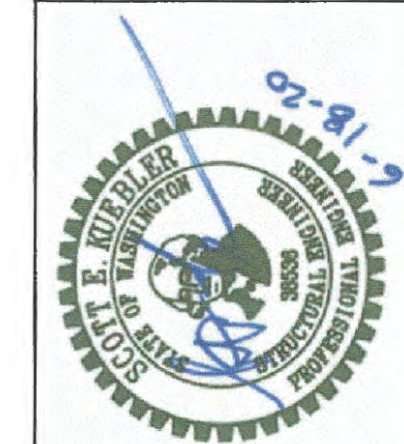
WAPATO CREEK  
BRIDGE AND CULVERT REMOVAL  
COVER SHEET

CONT./CONS: 071198  
M. ID: 201070.01  
PHASE: BID SET

TOWNSHIP: 20N  
RANGE: 03E  
SECTION: 01  
DATE-HRW: WA83-SF  
VERT: MILLW 19.18' @ TIDE 22 1933  
DRAWING SCALE: AS SHOWN

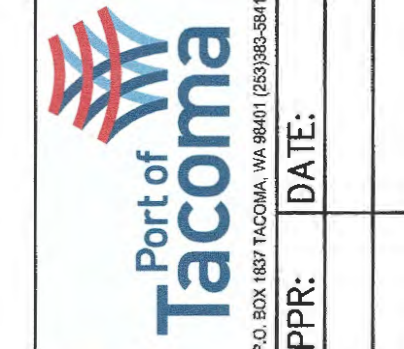
APPROVED: *[Signature]*  
DIRECTOR ENG. DATE: 06/01/20  
PRINTED BY: flambert Jun 17, 2020  
PORT ADDRESS: ONE SITCUM PLAZA  
TACOMA, WA 98401-1837

AWB 06/01/20  
CHECKED BY DATE  
SEK 06/01/20  
PROJ. ENGR DATE



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MARK: REVISION: BY: APPR: DATE:



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ABBREVIATIONS

Table of abbreviations with columns for symbol, number, and description. Includes terms like FTG (FOOTING), SPA (SPACE, SPACING OR SPACED), and various engineering and construction terms.

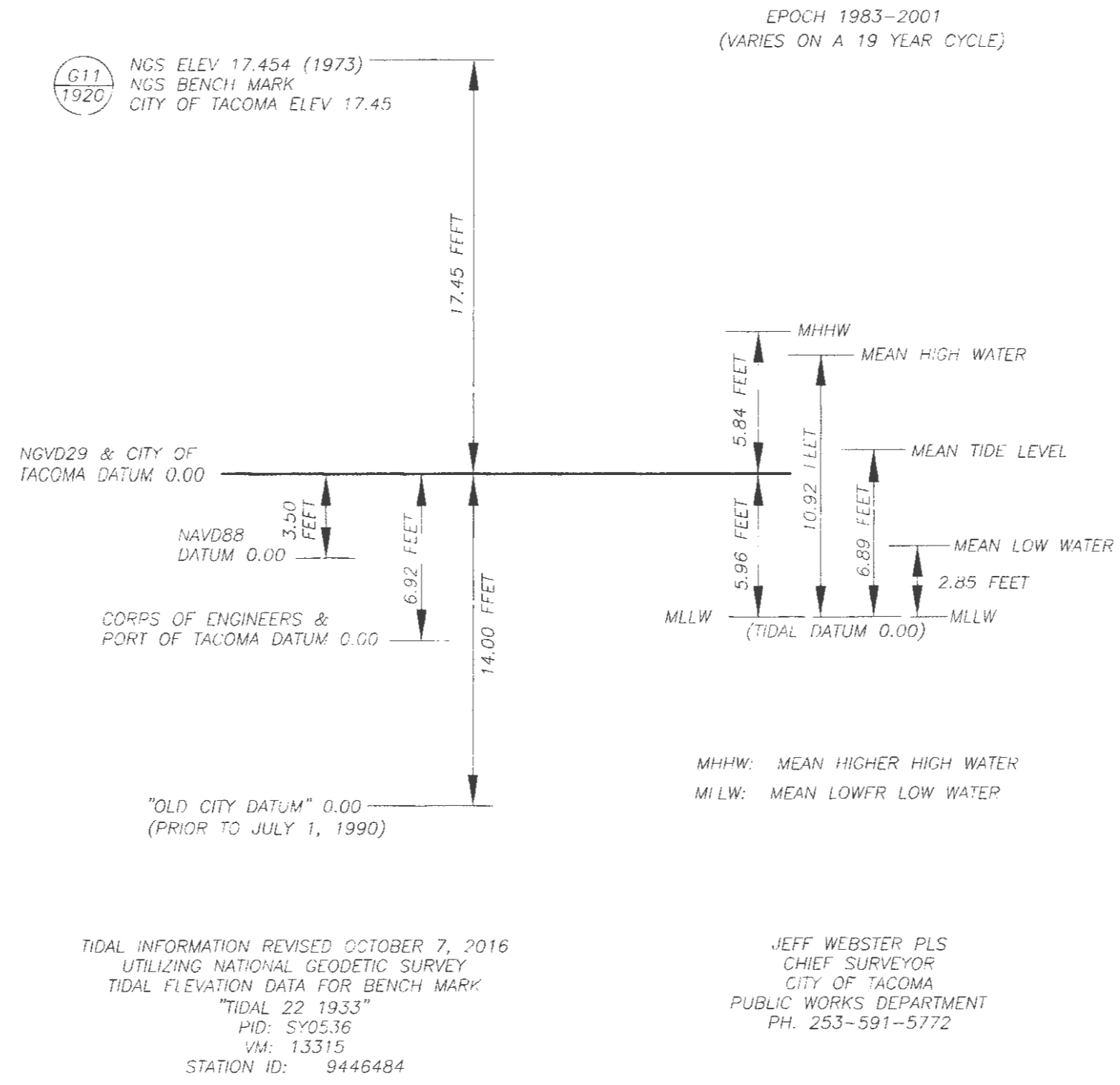
GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, CITY OF TACOMA STANDARDS, AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS 2018.
2. BEFORE ANY CONSTRUCTION MAY BEGIN, THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH THE PORT AND CITY OF TACOMA PERMIT DEPARTMENT AND INSPECTION STAFF.
3. A COPY OF THESE APPROVED PLANS AND ALL AMENDMENTS SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, SPOTTERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND OF THE CONTRACTOR.
5. PRIOR TO THE START OF EXCAVATION, THE CONTRACTOR SHALL CALL 1-800-424-5555 FOR PUBLIC UTILITY LOCATES, A PRIVATE UTILITY LOCATE COMPANY FOR PRIVATE UTILITY LOCATES, AND COORDINATE UTILITY WORK WITH THE UTILITY SERVICE PROVIDER.
6. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION.
7. TACOMA POWER HAS OVERHEAD 230KV TRANSMISSION LINE IN THE PROJECT AREA AND 13.8KV AND 115KV OVERHEAD DISTRIBUTION ALONG ALEXANDER AVENUE. BEWARE AND UNDERSTAND WAC 296-155-53408 WHEN WORKING NEAR ENERGIZED ELECTRICAL CONDUCTORS AND EQUIPMENT.
8. TACOMA WATER FACILITIES MUST REMAIN ACCESSIBLE AT ALL TIMES. ANY DAMAGES TO TACOMA WATER FACILITIES WILL BE REPAIRED BY TACOMA WATER CREWS AT THE EXPENSE OF THE CONTRACTOR.

TACOMA PUBLIC WORKS VERTICAL DATUMS

FIXED DATUM

TIDAL DATUM

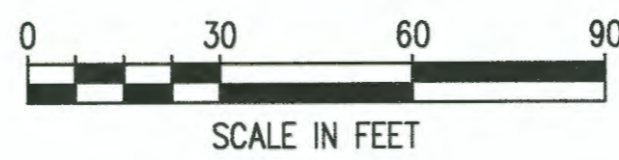
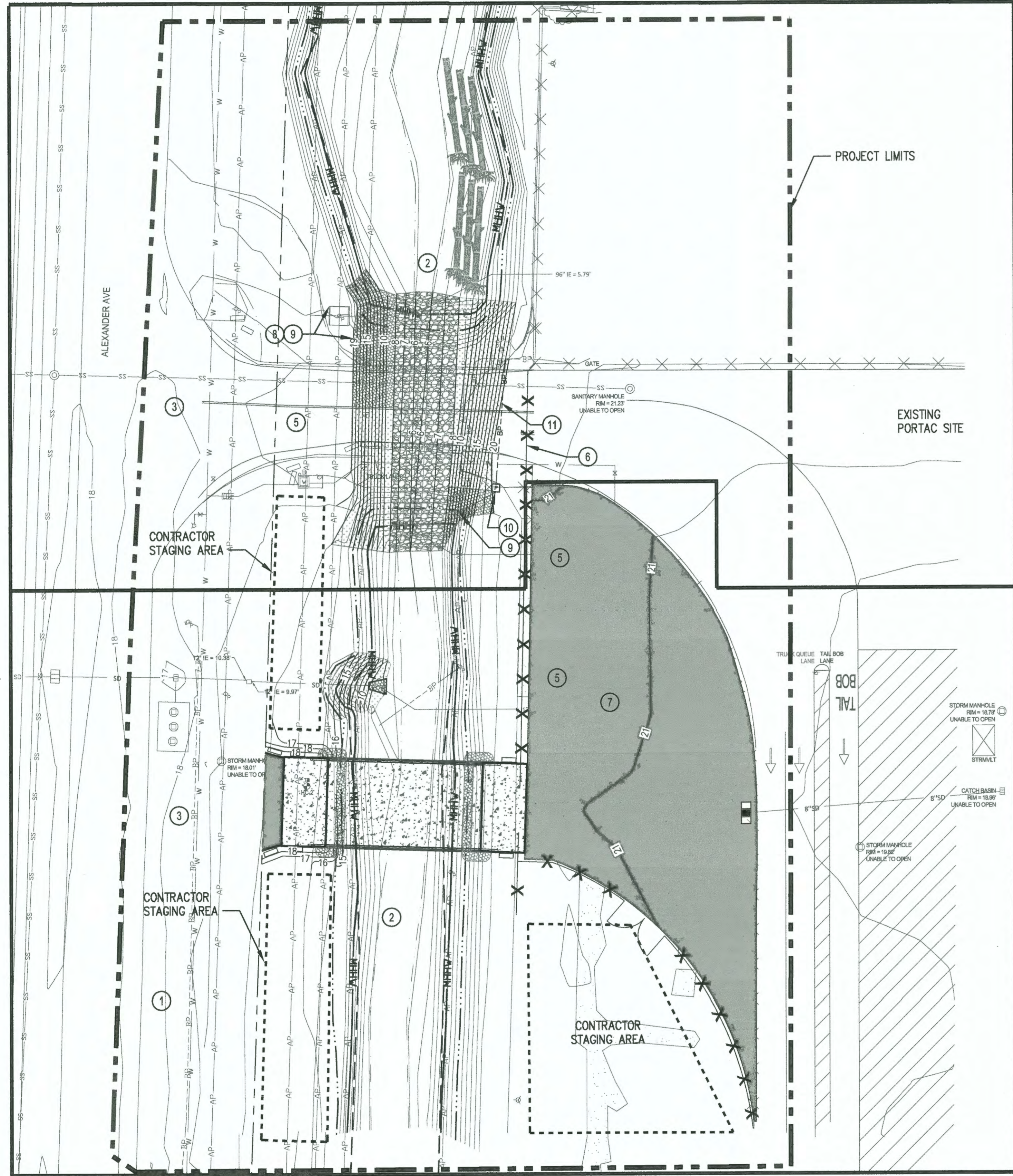


LEGEND:

- MHHW - MEAN HIGH HIGH WATER (MHHW) - +11.8 FT MLLW
Base Flood Elevation - +12.5 FT NAVD88, +15.0 MLLW
ORDINARY HIGH WATER MARK (OHWM)
PROJECT LIMITS

Project information block containing logos for Port of Tacoma and Kpff, project title 'WAPATO CREEK BRIDGE AND CULVERT REMOVAL', and various administrative details like date, revision, and scale.





PHASE 2 - CULVERT REMOVAL & CREEK RESTORATION  
 SCOPE OF WORK INCLUDES; ④  
 DEWATERING  
 CULVERT REMOVAL  
 ELECTRICAL VAULT RELOCATION  
 BANK STABILIZATION  
 CREEK BED RESTORATION  
 PLACEMENT OF LARGE WOODY MATERIAL  
 ALL PLANTING

PHASE 1 - BRIDGE CONSTRUCTION AND OUTFALL REPAIR ④  
 SCOPE OF WORK INCLUDES;  
 BRIDGE AND BRIDGE APPROACH  
 RIGHT OF WAY WORK - PERMIT # W019-0155  
 OUTFALL REPAIR  
 STORM WATER QUALITY VAULT INSTALLATION  
 ALL PAVEMENT

**GENERAL NOTES**

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SAFE AND SECURE PROJECT SITE, PER THE SPECIFICATIONS. METALLIC/CONDUCTIVE FENCING IS NOT PERMITTED TO SECURE SITE. AVAILABLE STAGING AREAS HAVE BEEN IDENTIFIED. HOWEVER, JOB SHACKS SHALL NOT BE PLACED DIRECTLY BELOW OVERHEAD POWER LINES.

**CONSTRUCTION NOTES**

- ① ESTABLISH AND MAINTAIN TEMPORARY CONSTRUCTION SITE ACCESS ENTRANCE.
- ② INSTALL NECESSARY TESC/DEWATERING MEASURES FOR EACH PHASE OF WORK. KEEP WITHIN THE LIMITS OF WORK SHOWN.
- ③ MINIMIZE IMPACT TO TRAFFIC AT EXISTING PORTAC DRIVEWAY IN PHASE 1 AND NEW PORTAC DRIVEWAY IN PHASE 2. TRUCK TRAFFIC INTO THE PORTAC SITE MUST BE ALLOWED TO CONTINUE UNINTERRUPTED DURING BOTH PHASES OF CONSTRUCTION.
- ④ CONTRACTOR WORK PLAN SHALL SHOW COMPLETION OF PHASE 1 WORK PRIOR TO INITIATING PHASE 2.
- ⑤ COMPLETE PAVEMENT DEMOLITION AS SHOWN ON SHEETS D1.1 THRU D1.4.
- ⑥ COMPLETE CONSTRUCTION OF ALL FENCE AND APPURTENANT COMPONENTS (NIC - FENCE WORK TO BE PERFORMED BY THE PORT). MAINTAIN A SECURE SITE WITH RESTRICTED PUBLIC ACCESS TO PORTAC AT ALL STAGES OF CONSTRUCTION.
- ⑦ COMPLETE SITE WORK AS SHOWN ON SHEETS C1.1-C2.2 AND OTHER ASSOCIATED PERMITS, INCLUDING RIGHT OF WAY WORK.
- ⑧ RESTRICT CONSTRUCTION EQUIPMENT ACCESS NEAR EXISTING TRANSMISSION LINE.
- ⑨ PROTECT TRANSMISSION LINE, EXISTING POWER POLE, AND STABILIZE CREEK BANK WITH RIPRAP.
- ⑩ RELOCATE POWER VAULT AND INSTALL NEW CONDUIT. SEE SHEET C1.2
- ⑪ PROVIDE CREEK BANK RESTORATION, PLANTING AND PLACEMENT OF LARGE WOODY MATERIAL.

**LEGEND**

- ORDINARY HIGH WATER MARK
- BASE FLOOD ELEVATION - +12.5 FT NAVD88, +15.0 MLLW
- MHHW MEAN HIGH HIGH WATER (MHHW) - +11.8 FT MLLW
- PROJECT LIMITS
- CONTRACTOR STAGING AREA
- XX NEW FENCE



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APPROVED: [Signature]  
 CMB CHECKED BY DATE  
 SWK 06/01/20  
 DIRECTOR ENG. DATE PROJ. ENGR DATE  
 PRINTED BY: rjambert Jun 17, 2020  
 PORT ADDRESS: ONE SITCUM PLAZA  
 TACOMA, WA 98401-1837

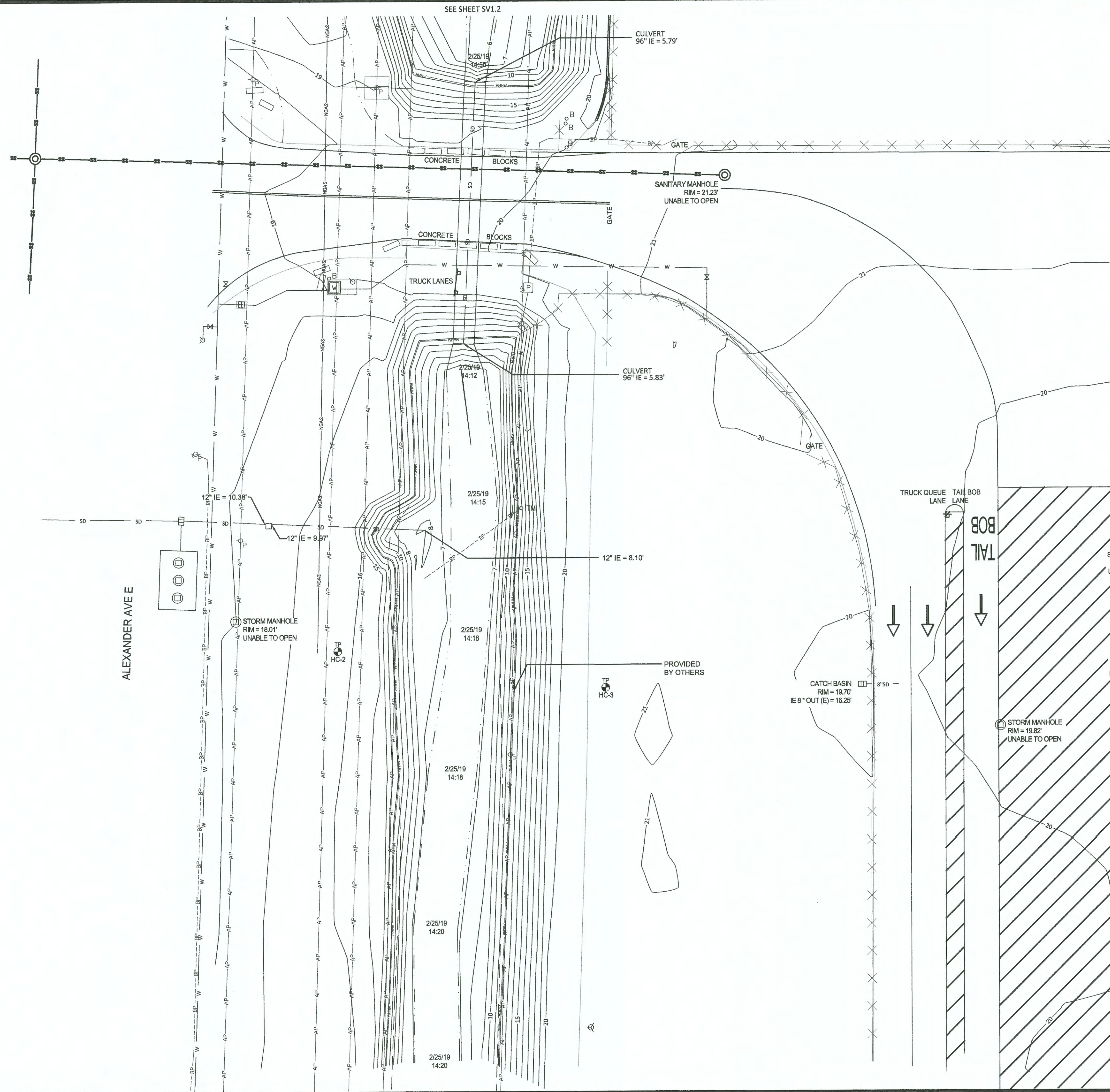
**WAPATO CREEK  
 BRIDGE AND CULVERT REMOVAL  
 CONSTRAINTS AND SEQUENCING PLAN**

TOWNSHIP: 20N RANGE: 03E SECTION: 01  
 DAT-HRZ: WA89-SF VERT: MLLW 19.18' @ TIDE 22 1933  
 PARCEL: 15 DRAWING SCALE: AS SHOWN

6608  
**G1.3**  
 3 OF 33  
 CONT/CONS: 071198  
 M. ID: 201070.01  
 PHASE: BID SET

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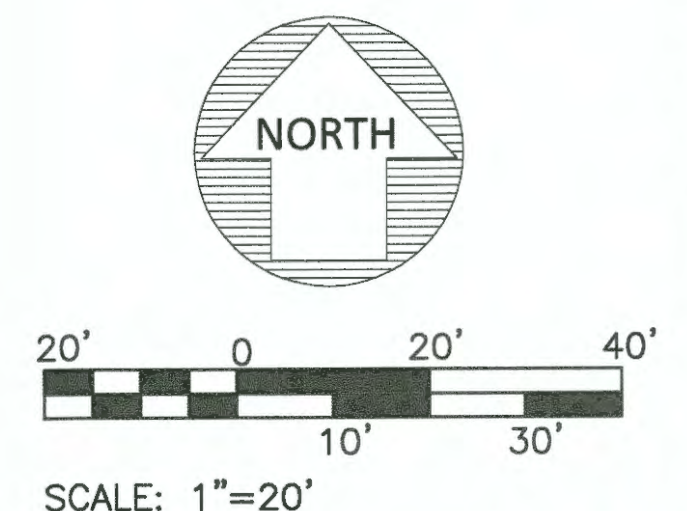


**NOTES:**

- 1.) VERTICAL DATUM: PORT OF TACOMA  
BENCHMARK: BRASS DISK ON THE NORTH SIDE OF THE 11TH STREET BRIDGE EAST OF THE INTERSECTION WITH MILWAUKEE WAY.  
BENCHMARK NO. 846 ELEVATION = 19.18'
- 2.) BASIS OF BEARINGS FOR THIS SURVEY IS THE WASHINGTON STATE COORDINATE SYSTEM, SOUTH ZONE (4602) BASED ON THE PORT OF TACOMA SITTS & HILL ENGINEERS, INC. MONUMENT NETWORK MAP.
- 3.) UTILITY LOCATIONS SHOWN ARE PER FIELD LOCATED UTILITY PAINT MARKS & REFERENCE MAPS MADE AVAILABLE BY THE VARIOUS UTILITY PROVIDERS. UNLESS INDICATED, DEPTHS OF UTILITY LINES ARE NOT AVAILABLE. UTILITY LOCATES ON ALL PUBLIC AND PRIVATE UTILITIES ARE REQUIRED AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- 4.) THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY.
- 5.) FIELDWORK WAS COMPLETED ON APRIL 25, 2018.

**LEGEND:**

- CURB LINE
- EDGE OF PAVEMENT
- SD — STORM LINE
- SANITARY SEWER LINE
- W — WATER LINE
- NGAS — GAS LINE
- BP — ELECTRICAL LINE
- CYCLONE FENCE LINE
- AP — OVERHEAD UTILITY LINES
- EDGE OF WATER
- ORDINARY HIGH WATER
- MEAN HIGH OR HIGH WATER
- SIGN
- BOLLARD
- ELECTRICAL VAULT
- GUY ANCHOR
- POWER POLE W/DROP
- POWER POLE
- SANITARY MANHOLE WITH STRUCTURE
- STORM MANHOLE WITH STRUCTURE
- CATCH BASIN/AREA DRAIN
- WATER METER
- FIRE HYDRANT
- WATER VAULT
- WATER VALVE
- MONITORING WELL
- TEST BORE HOLE
- FIRE DEPARTMENT CONNECT
- TELECOMMUNICATION MARKER
- DECIDUOUS TREE
- PERIMETER REPRESENTS DRIPLINE

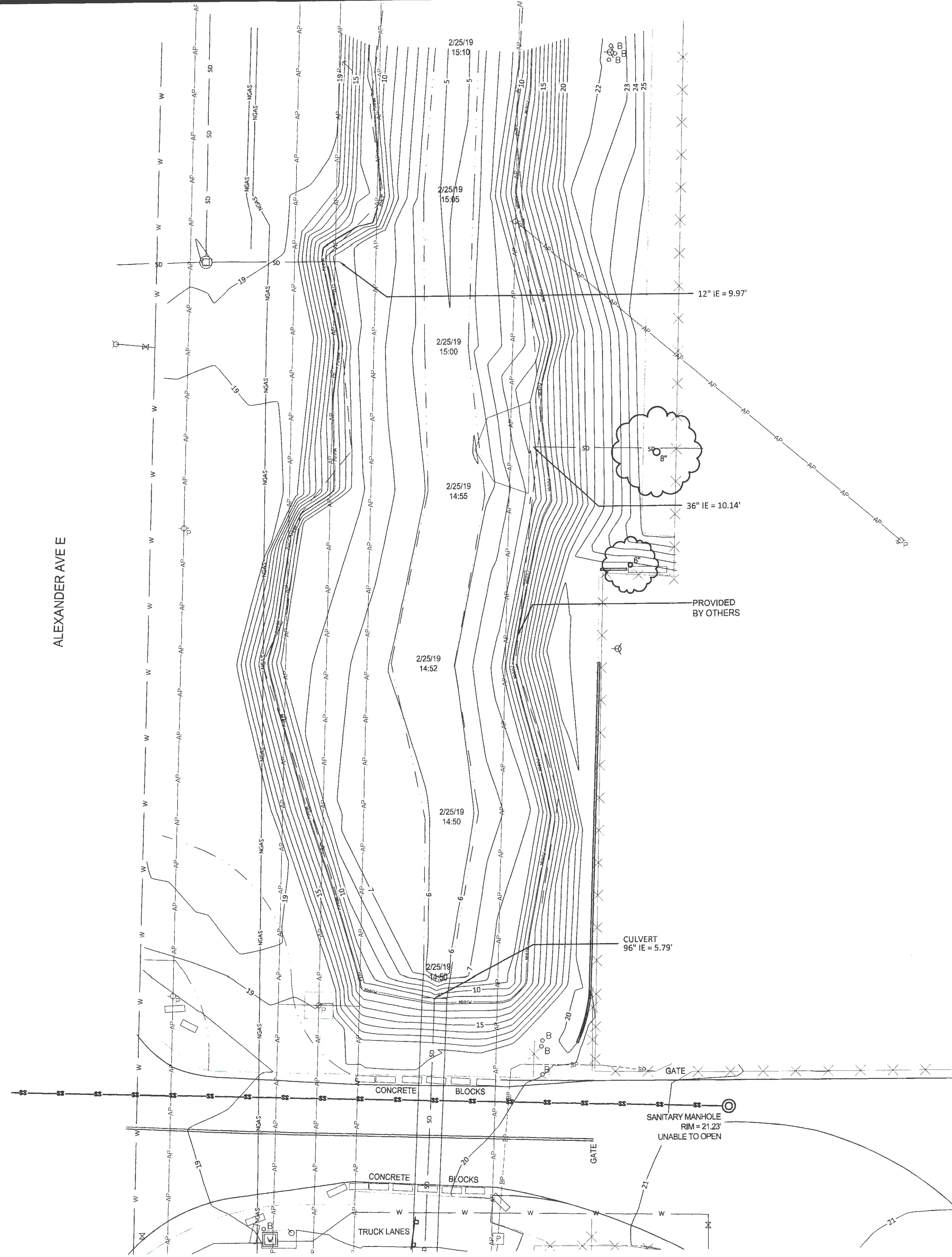


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		<p>TTT 05/19/20</p>	<p>CHECKED BY DATE</p>
<p>APPROVED: <i>[Signature]</i></p>		<p>DATE 05/19/20</p>	<p>DATE 05/19/20</p>
<p>PROJECT: WAPATO CREEK BRIDGE AND CULVERT REMOVAL SURVEY PHASE 1</p>		<p>PROJ. ENGR DATE</p>	<p>DATE</p>
<p>PRINTED BY: NLOPEZ JUN 17, 2020</p>		<p>PROJ. ADDRESS: SITCUM PLAZA</p>	<p>TACOMA, WA 98401-1837</p>
<p>6608</p>	<p>SV1.1</p>	<p>SECTION: 01</p>	<p>DATE 22 1933</p>
<p>COUNT/CONS: 07/199</p>	<p>4 OF 33</p>	<p>RANGE: 03E</p>	<p>TIDE 22 1933</p>
<p>M. ID: 20107001</p>	<p>PHASE: BID SET</p>	<p>VERT: MLLW 19.18'</p>	<p>AS SHOWN</p>
<p>PHASE: 15</p>	<p>DRAWING SCALE: AS SHOWN</p>	<p>SECTION: 01</p>	<p>DATE 22 1933</p>

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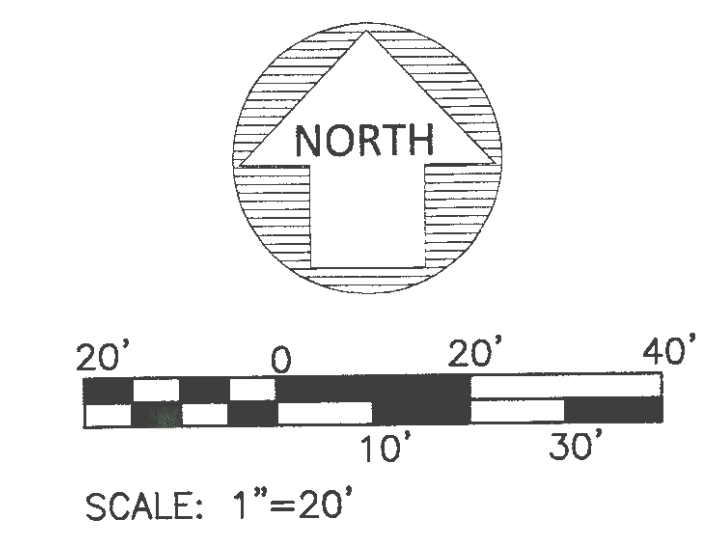
SEE SHEET SV1.1

**NOTES:**

- 1.) VERTICAL DATUM: PORT OF TACOMA BENCHMARK: BRASS DISK ON THE NORTH SIDE OF THE 11TH STREET BRIDGE EAST OF THE INTERSECTION WITH MILWAUKEE WAY. BENCHMARK NO. 846 ELEVATION = 19.18'
- 2.) BASIS OF BEARINGS FOR THIS SURVEY IS THE WASHINGTON STATE COORDINATE SYSTEM, SOUTH ZONE (4602) BASED ON THE PORT OF TACOMA SITTS & HILL ENGINEERS, INC. MONUMENT NETWORK MAP.
- 3.) UTILITY LOCATIONS SHOWN ARE PER FIELD LOCATED UTILITY PAINT MARKS & REFERENCE MAPS MADE AVAILABLE BY THE VARIOUS UTILITY PROVIDERS. UNLESS INDICATED, DEPTHS OF UTILITY LINES ARE NOT AVAILABLE. UTILITY LOCATES ON ALL PUBLIC AND PRIVATE UTILITIES ARE REQUIRED AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
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**LEGEND:**

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- SD — STORM LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- NGAS — GAS LINE
- BP — ELECTRICAL LINE
- X — X — X — CYCLONE FENCE LINE
- AP — AP — AP — OVERHEAD UTILITY LINES
- — — — — EDGE OF WATER
- — — — — ORDINARY HIGH WATER
- — — — — MEAN HIGH OR HIGH WATER
- P — SIGN
- B — BOLLARD
- E — ELECTRICAL VAULT
- G — GUY ANCHOR
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- M — MONITORING WELL
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- T — TELECOMMUNICATION MARKER
- D — DECIDUOUS TREE
- P — PERIMETER REPRESENTS DRIPLINE



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**6608 SV1.2**

5 OF 33

CDNT/CDNS: 071198  
M. ID: 20107001  
PHASE: BID SET

TOWNSHIP: 20N  
RANGE: 03E  
SECTION: 01

DATE-HRZ: WAB3-SF  
VERT: MLLW 19.18' @ TIDE 22 1933  
DRAWING SCALE: AS SHOWN

APPROVED: *[Signature]*  
DIRECTOR ENG. DATE: 05/19/20  
PRINTED BY: N. Lopez Jun 17, 2020  
PORT ADDRESS: SITCUM PLAZA  
TACOMA, WA 98401-1837

TTT 5/19/20  
CHECKED BY: N.J.L.  
DATE: 05/19/20

WAPATO CREEK  
BRIDGE AND CULVERT REMOVAL  
SURVEY  
PHASE 2

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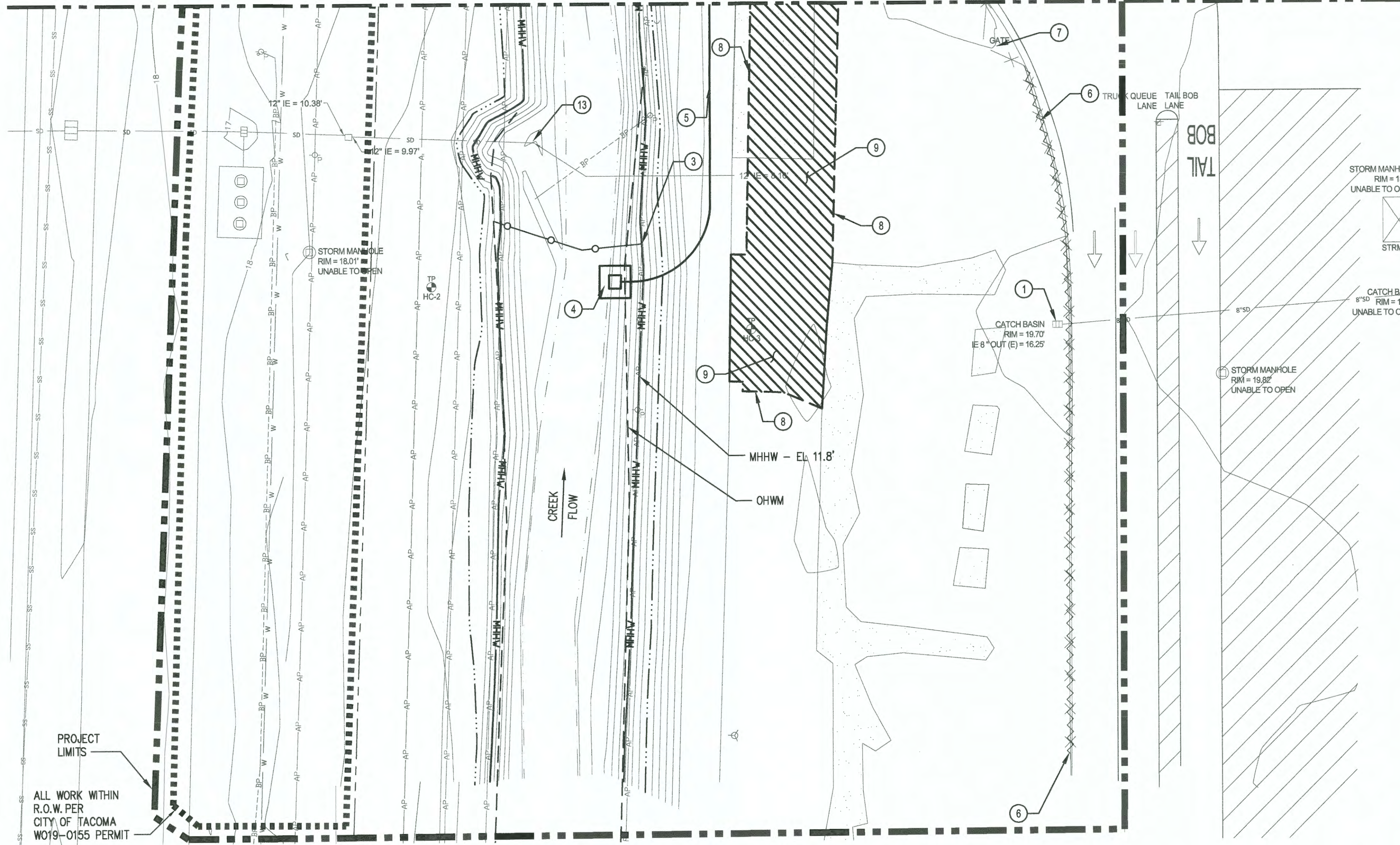
6/17/2020  
W. E. T. S. I. K. A.  
WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
4/9/2022

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MATCH LINE SEE SHEET D1.2



DEMOLITION NOTES

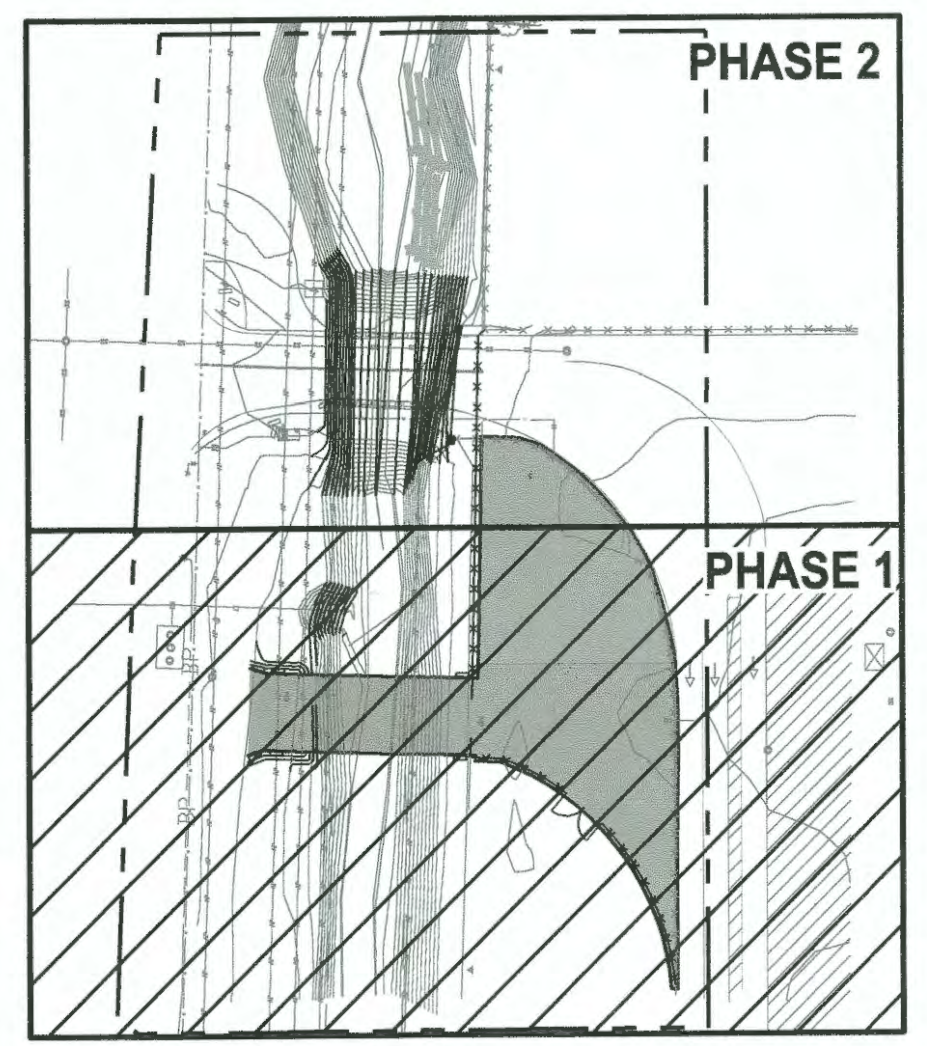
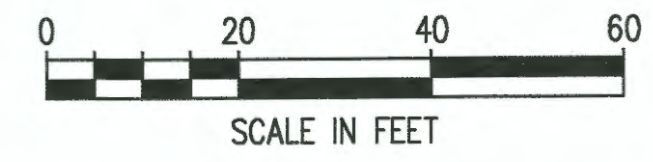
1. CONTRACTOR SHALL CALL FOR UTILITY LOCATES AND LOCATE EXISTING UTILITIES IN THE ROADWAY AND ON-SITE PRIOR TO BEGINNING ANY DEMOLITION OR EXCAVATION.
2. REFERENCE DOCUMENTS AND RECORD DRAWINGS HAVE BEEN MADE AVAILABLE AS PART OF THE CONTRACT SPECIFICATIONS. SEE REFERENCE DOCUMENTS FOR EXISTING CONDITIONS AND DETAIL FOR DEMOLITION OF THE EXISTING BRIDGE STRUCTURE ON TOP OF EXISTING CULVERT.
3. EXISTING CREEK SHALL NOT BE DISTURBED BEYOND THE LIMITS IDENTIFIED, OR AS DIRECTED BY THE PORT.
4. ALL EXISTING UTILITIES SHALL BE PROTECTED UNLESS OTHERWISE NOTED.
5. COORDINATE WITH PORT FOR ECOLOGY BLOCK REMOVAL (NIC).
6. EXISTING FENCE POSTS TO BE REMOVED SHALL BE CUT AND GROUND TO EXISTING GRADE (NIC).
7. DEWATERING SEQUENCE SHOWN REPRESENTS A POSSIBLE CONSTRUCTION SEQUENCE. THE SEQUENCE IS FOR INFORMATION ONLY AND NOT INTENDED TO DICTATE METHODS OF CREEK DIVERSION. A DEWATERING PLAN SHALL BE DEVELOPED AND MAINTAINED BY CONTRACTOR WITHIN THE CONSTRAINTS IDENTIFIED ON G1.3, AND CURRENT TIDE INFORMATION. NO IN-WATER WORK SHALL BE PERFORMED WITHIN 2 DAYS OF A SIGNIFICANT RAIN EVENT TO LIMIT DEWATERING. WAPATO CREEK FLOWS: 10-YEAR FLOOD (10% ANNUAL CHANCE): 176 CFS

KEYNOTES

- |  |   |
|--|---|
| 1. INSTALL INLET PROTECTION, SEE DETAIL 1 ON SHEET D1.4              | 9. DEMOLISH PAVEMENT  |
| 2. INSTALL SILT CURTAIN, SEE DETAIL 1 ON SHEET D1.3                  | 10. CUT AND CAP, DEMOLISH AND DISPOSE OF EXISTING UTILITIES |
| 3. INSTALL WATER/GRAVEL FILLED COFFERDAM, SEE DETAIL 3 ON SHEET D1.3 | 11. REMOVE AND STOCKPILE ECOLOGY BLOCKS FOR REUSE (NIC)     |
| 4. INSTALL SCREENED PUMP WITH SEDIMENT TRAP                          | 12. DEMOLISH AND DISPOSE OF EXISTING 96"Ø CMP CULVERT       |
| 5. DEWATERING LINE WITH ENERGY DISSIPATION AT DISCHARGE POINT        | 13. REMOVE 18 LF EXISTING 12"Ø CONC PIPE                    |
| 6. REMOVE EXISTING FENCE (NIC)                                       | 14. REMOVE TRAFFIC SIGN AND SALVAGE (NIC)                   |
| 7. REMOVE EXISTING GATE (NIC)  | 15. RELOCATE VAULT AND UNDERGROUND POWER, SEE C1.2          |
| 8. SAWCUT PAVEMENT   | 16. REMOVE EXISTING BRIDGE                                  |

LEGEND:

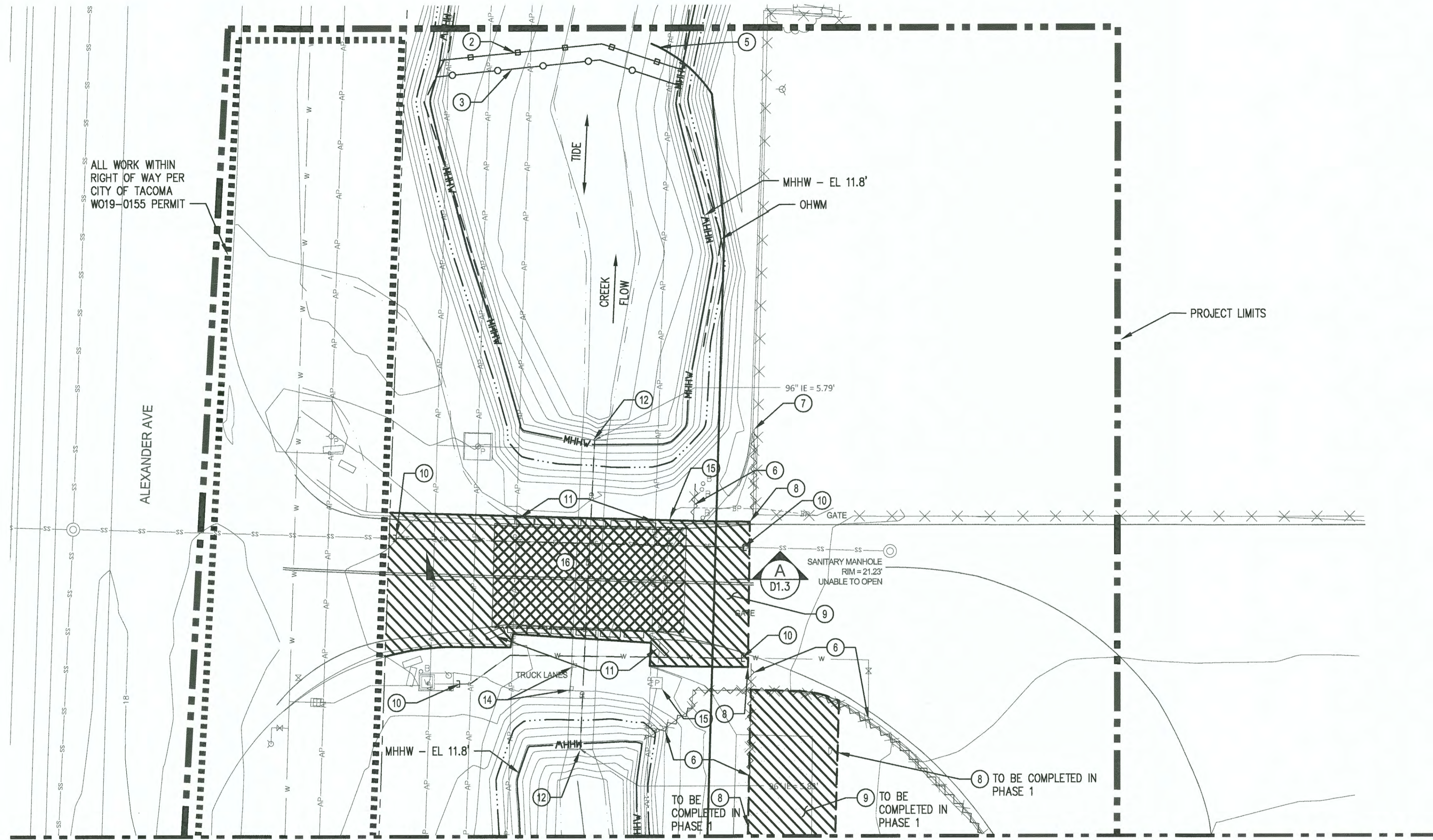
- |  |                          |
|--|--------------------------|
|  | DEMOLISH PAVEMENT        |
|  | DEMOLISH CONCRETE BRIDGE |
|  | FENCE DEMO (NIC)         |
|  | UTILITY DEMO             |
|  | PAVEMENT SAWCUT          |
|  | SILT CURTAIN             |
|  | COFFERDAM                |
|  | ORDINARY HIGH WATER MARK |
|  | MEAN HIGHER HIGH WATER   |
|  | LIMITS OF R.O.W. WORK    |
|  | PROJECT LIMITS           |



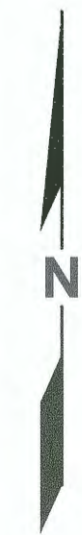
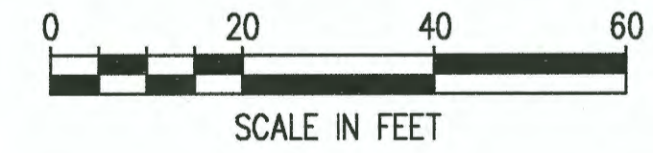
 2407 North 31st Street, Suite 100 Tacoma, WA 98401 (253) 396-0150 Fax (253) 396-0162	APPR: _____ DATE: _____ BY: _____ REVISION: _____
	CMB 06/01/20 CHECKED BY: _____ DATE: _____ SWK 06/01/20 DIRECTOR ENG. DATE: _____ PROJ. ENGR DATE: _____ PRINTED BY: rlambert Jun 17, 2020 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
WAPATO CREEK BRIDGE AND CULVERT REMOVAL EROSION CONTROL AND DEMOLITION PLAN PHASE 1	TOWNSHIP: 20N RANGE: 08E SECTION: 01 MILLW 19.18' @ TIDE 22 1933 DAT-HRZ: WA83-SF VERT: _____ PARCEL: 15 DRAWING SCALE: AS SHOWN
6608 <b>D1.1</b> 6 OF 33	CONT/CONS: 071198 M. ID: 201070.01 PHASE: BID SET

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MATCH LINE SEE SHEET D1.1



**KEYNOTES**

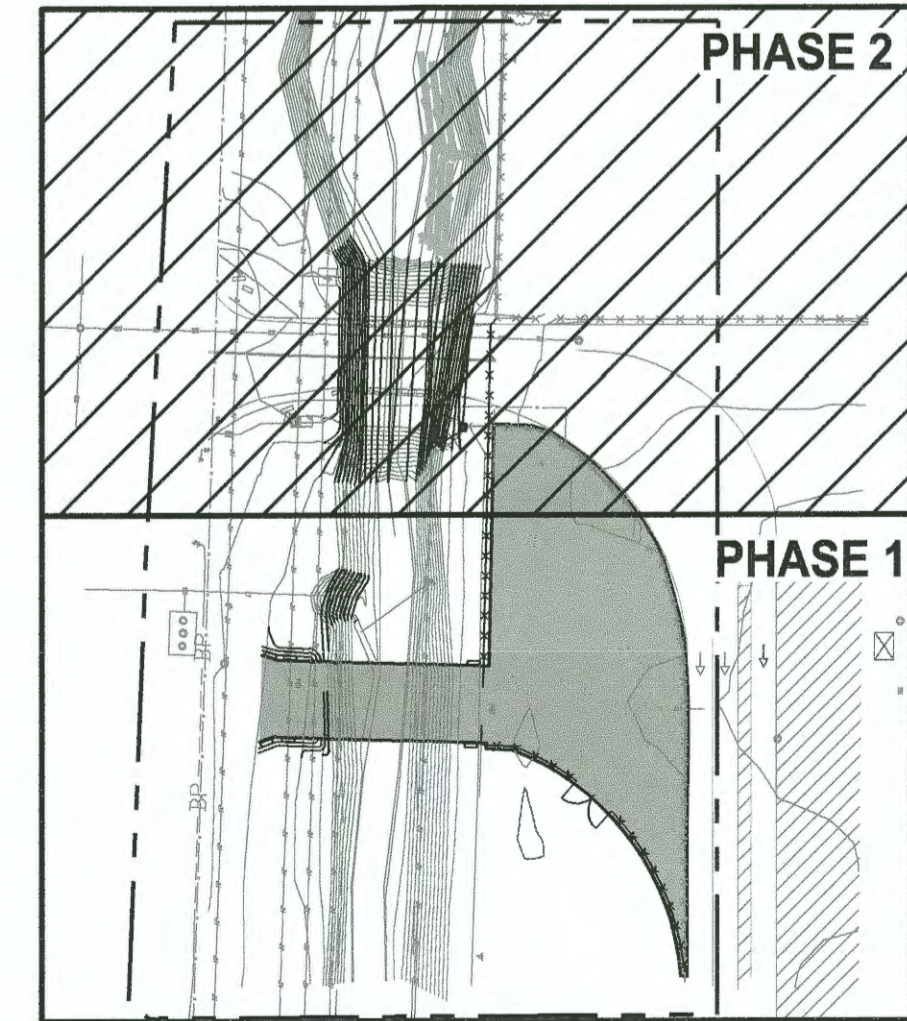
- |   |  |
|---|--|
| 1 INSTALL INLET PROTECTION, SEE DETAIL 1 ON SHEET D1.4              | 9 DEMOLISH PAVEMENT  |
| 2 INSTALL SILT CURTAIN, SEE DETAIL 1 ON SHEET D1.3                  | 10 CUT AND CAP, DEMOLISH AND DISPOSE OF EXISTING UTILITIES |
| 3 INSTALL WATER/GRAVEL FILLED COFFERDAM, SEE DETAIL 3 ON SHEET D1.3 | 11 REMOVE AND STOCKPILE ECOLOGY BLOCKS FOR REUSE (NIC)     |
| 4 INSTALL SCREENED PUMP WITH SEDIMENT TRAP                          | 12 DEMOLISH AND DISPOSE OF EXISTING 96" CMP CULVERT        |
| 5 DEWATERING LINE WITH ENERGY DISSIPATION AT DISCHARGE POINT        | 13 REMOVE 18 LF EXISTING 12" CONC PIPE                     |
| 6 REMOVE EXISTING FENCE (NIC)                                       | 14 REMOVE TRAFFIC SIGN AND SALVAGE (NIC)                   |
| 7 REMOVE EXISTING GATE (NIC)  | 15 RELOCATE VAULT AND UNDERGROUND POWER, SEE C1.2          |
| 8 SAWCUT PAVEMENT   | 16 REMOVE EXISTING BRIDGE                                  |

**LEGEND:**

- |  |                          |
|--|--------------------------|
|  | DEMOLISH PAVEMENT        |
|  | DEMOLISH CONCRETE BRIDGE |
|  | FENCE DEMO (NIC)         |
|  | UTILITY DEMO             |
|  | PAVEMENT SAWCUT          |
|  | SILT CURTAIN             |
|  | COFFERDAM                |
|  | ORDINARY HIGH WATER MARK |
|  | MEAN HIGHER HIGH WATER   |
|  | LIMITS OF R.O.W. WORK    |
|  | PROJECT LIMITS           |

**DEMOLITION NOTES**

- CONTRACTOR SHALL CALL FOR UTILITY LOCATES AND LOCATE EXISTING UTILITIES IN THE ROADWAY AND ON-SITE PRIOR TO BEGINNING ANY DEMOLITION OR EXCAVATION.
- REFERENCE DOCUMENTS AND RECORD DRAWINGS HAVE BEEN MADE AVAILABLE AS PART OF THE CONTRACT SPECIFICATIONS. SEE REFERENCE DOCUMENTS FOR EXISTING CONDITIONS AND DETAIL FOR DEMOLITION OF THE EXISTING BRIDGE STRUCTURE ON TOP OF EXISTING CULVERT.
- EXISTING CREEK SHALL NOT BE DISTURBED BEYOND THE LIMITS IDENTIFIED, OR AS DIRECTED BY THE PORT.
- ALL EXISTING UTILITIES SHALL BE PROTECTED UNLESS OTHERWISE NOTED.
- COORDINATE WITH PORT FOR ECOLOGY BLOCK REMOVAL (NIC).
- EXISTING FENCE POSTS TO BE REMOVED SHALL BE CUT AND GROUND TO EXISTING GRADE (NIC).
- DEWATERING SEQUENCE SHOWN REPRESENTS A POSSIBLE CONSTRUCTION SEQUENCE. THE SEQUENCE IS FOR INFORMATION ONLY AND NOT INTENDED TO DICTATE METHODS OF CREEK DIVERSION. A DEWATERING PLAN SHALL BE DEVELOPED AND MAINTAINED BY CONTRACTOR WITHIN THE CONSTRAINTS IDENTIFIED ON G1.3, AND CURRENT TIDE INFORMATION. NO IN-WATER WORK SHALL BE PERFORMED WITHIN 2 DAYS OF A SIGNIFICANT RAIN EVENT TO LIMIT DEWATERING. WAPATO CREEK FLOWS: 10-YEAR FLOOD (10% ANNUAL CHANCE): 176 CFS



KEY PLAN  
NTS

 2407 North 31st Street, Suite 100 Tacoma, Washington 98401 (253) 396-9155 Fax: (253) 396-0152 P.O. BOX 1887 TACOMA, WA 98401-1887	APPROVED:	CMB 06/01/20 CHECKED BY DATE SWK 06/01/20 DIRECTOR ENG. DATE rambert Jun 17, 2020 PRINTED BY: rambert Jun 17, 2020 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
	WAPATO CREEK BRIDGE AND CULVERT REMOVAL EROSION CONTROL AND DEMOLITION PLAN PHASE 2	TOWNSHIP: 20N RANGE: 03E SECTION: 01 DAT-HRZ: WA89-SF VERT: MLLW 19:18 @ TIDE 22 1933 PARCEL: 15 DRAWING SCALE: AS SHOWN

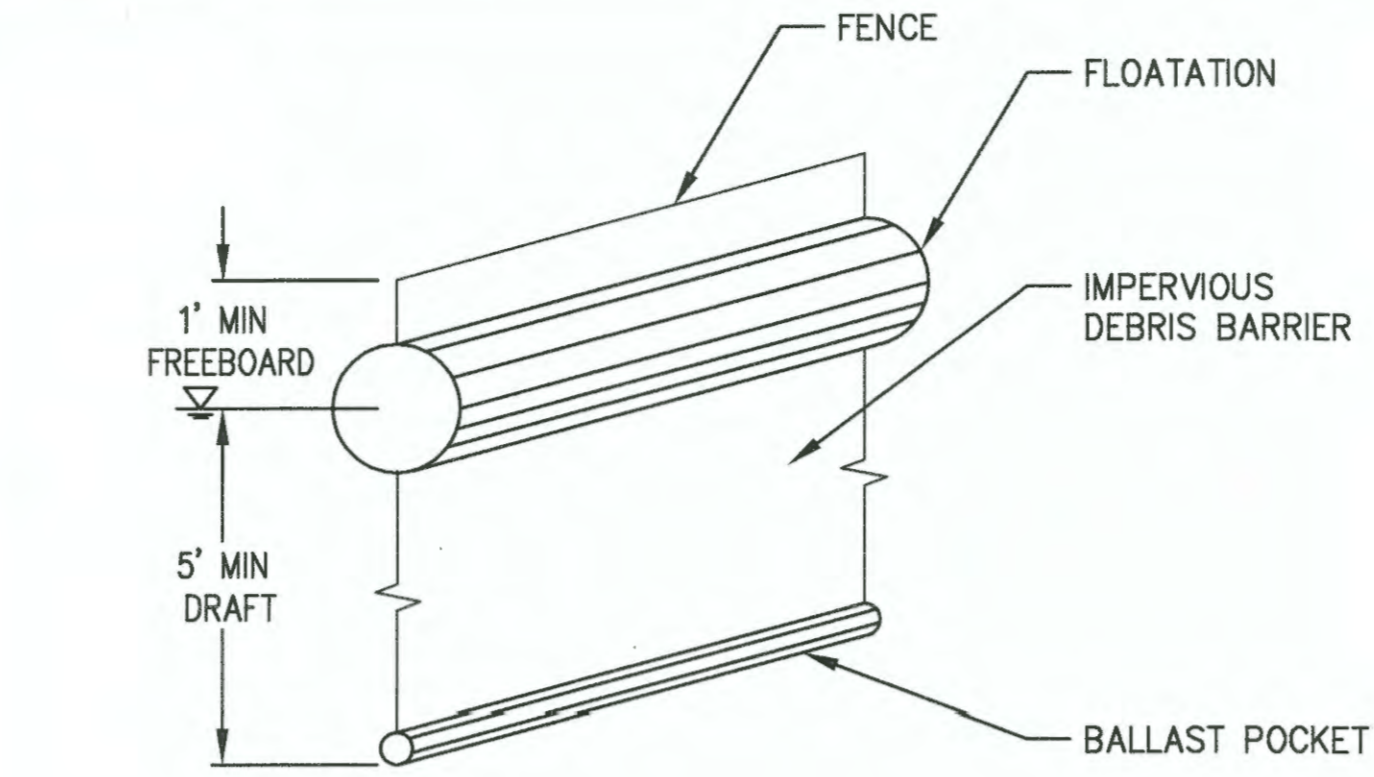
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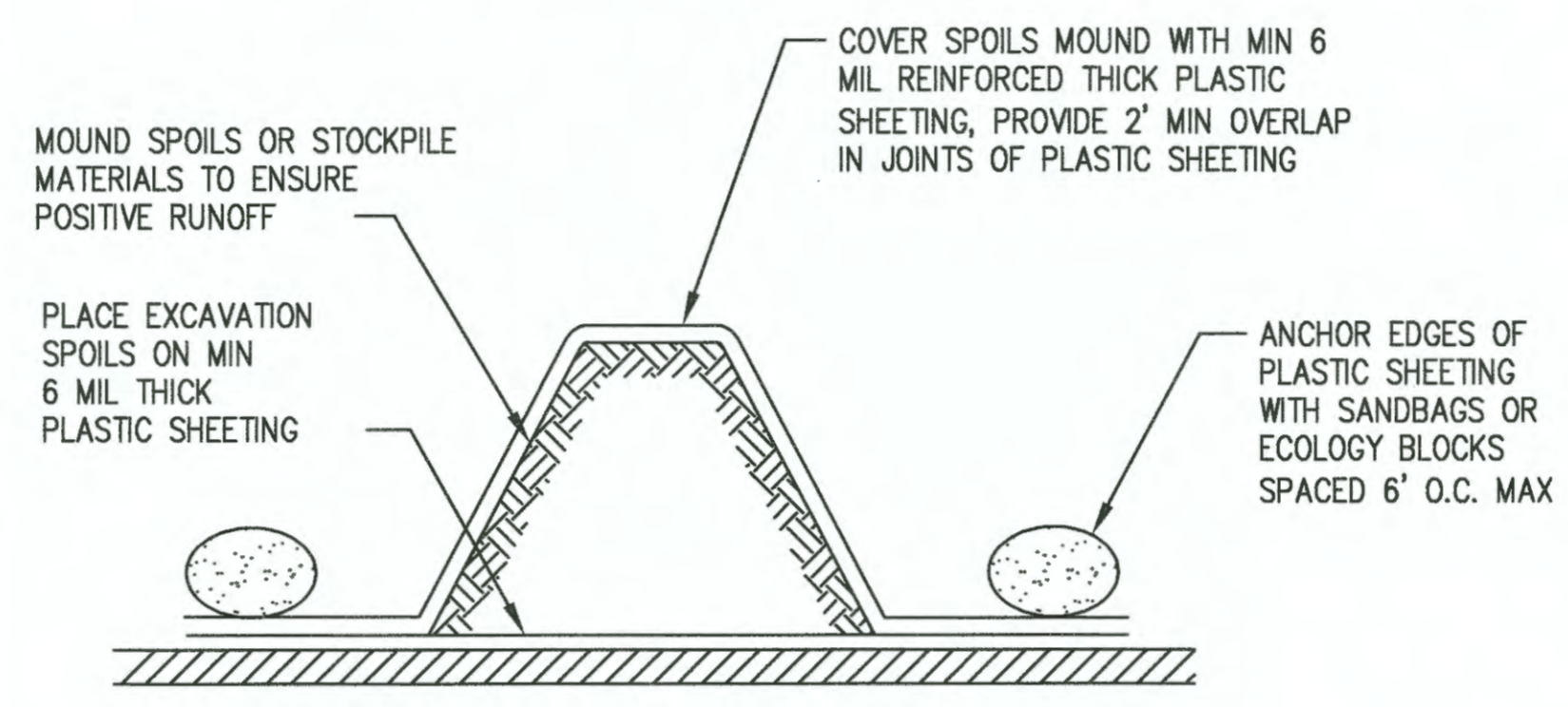
BINDING EDGE

### TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) GENERAL NOTES:

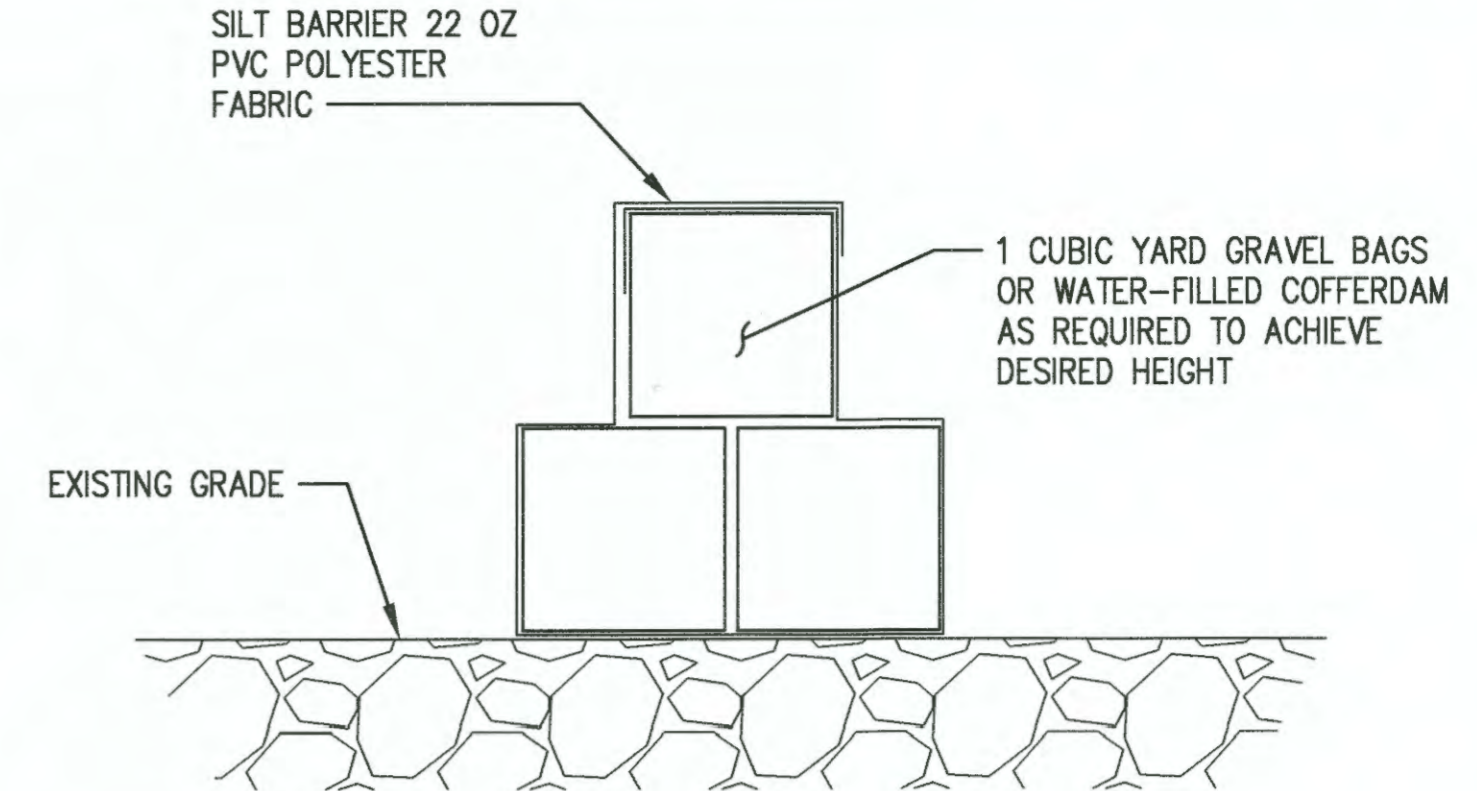
1. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, REGULAR REVIEW, MAINTENANCE, REPLACEMENT, AND CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND UPGRADING THESE FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND PLANS UNTIL ALL CONSTRUCTION IS APPROVED AND ACCEPTED BY THE ENGINEER. AT THE DISCRETION OF PORT ENVIRONMENTAL STAFF SWPP MEASURES OBSERVED AS INADEQUATE WILL BE BROUGHT TO THE CONTRACTORS ATTENTION FOR REVISION/MODIFICATION. PORT ENVIRONMENTAL STAFF; ANITA FICHTHORN (253) 495-2834, AFICHTHORN@NWSEAPORTALLIANCE.COM
2. THE TESC FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED PRIOR TO ALL CLEARING AND DEMOLITION SO AS TO ENSURE THAT TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED. THE TYPICAL WET SEASON RUNS FROM OCTOBER 1 THROUGH APRIL 30, AND THE DRY SEASON FROM MAY 1 THROUGH SEPTEMBER 30.
3. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE TESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING IN ACCORDANCE WITH THE SPECIFICATIONS. WRITTEN RECORDS SHALL BE KEPT OF TESC INSPECTIONS WEEKLY.
4. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES TO THE REQUIREMENTS OF THE PERMITS, SPECIFICATIONS AND MINIMUM REQUIREMENTS SHOWN IN PLANS.
5. THE TESC MEASURES SHOWN ON THESE PLANS ARE MINIMUM REQUIREMENTS. SHOULD TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, AS SHOWN ON THE PLANS, BECOME INADEQUATE, THE CONTRACTOR SHALL INSTALL BMPs AND/OR FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, WATERBODIES, CITY OF TACOMA DRAINAGE SYSTEM, AND EXISTING PORT DRAINAGE SYSTEMS MEETING THE APPROVAL OF THE ENGINEER.
6. AS A GENERAL RULE, ANY AREAS OF EXPOSED SOILS, INCLUDING EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC BMP METHODS.
7. INLET PROTECTION SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN 1/2 FULL.
8. THE CONTRACTOR SHALL PROTECT STOCKPILE AND EXCAVATION AREAS FROM THE RELEASE OF SEDIMENT. STOCKPILES SHALL BE COVERED AT ALL TIMES WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY, AS SHOWN IN DETAIL.
9. ALL NON-SALVAGED MATERIAL REMOVED FROM THE SITE SHALL BE PLACED OR DISPOSED OF AT A PERMITTED SITE. CONTRACTOR SHALL OBTAIN CHARACTERIZATION DOCUMENTATION FROM THE ENGINEER FOR ALL MATERIAL PRIOR TO HAUL AND DISPOSAL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COMPLIANCE WITH THE WASHINGTON STATE DROPPING LOAD OR OTHER MATERIALS COVERING LAWS (RCW 46.51.655.3/4).
11. PAVED AREAS SHALL BE SWEEPED AS NECESSARY TO PREVENT SEDIMENT AND DUST TRACKING ONTO THE PAVED AREAS.
12. PREVENTATIVE MEASURES TO MINIMIZE THE WIND TRANSPORT OF SOIL SHALL BE TAKEN WHEN SEDIMENT TRANSPORTED BY THE WIND IS LIKELY TO BE DEPOSITED IN DRAINAGE WAYS, WATER RESOURCES, OR NON-PORT PROPERTY.
13. ALL TESC MEASURES SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SITE UPON PROJECT COMPLETION.



1 SILT CURTAIN NTS

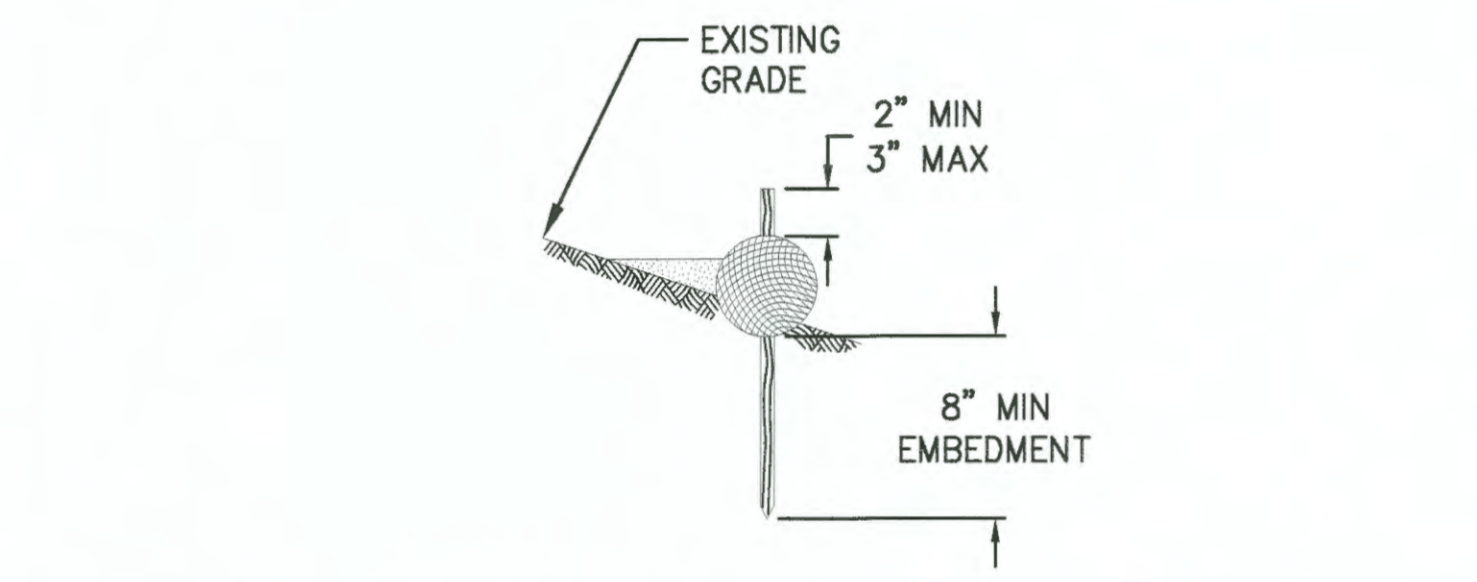


2 STOCKPILE PROTECTION DETAIL NTS

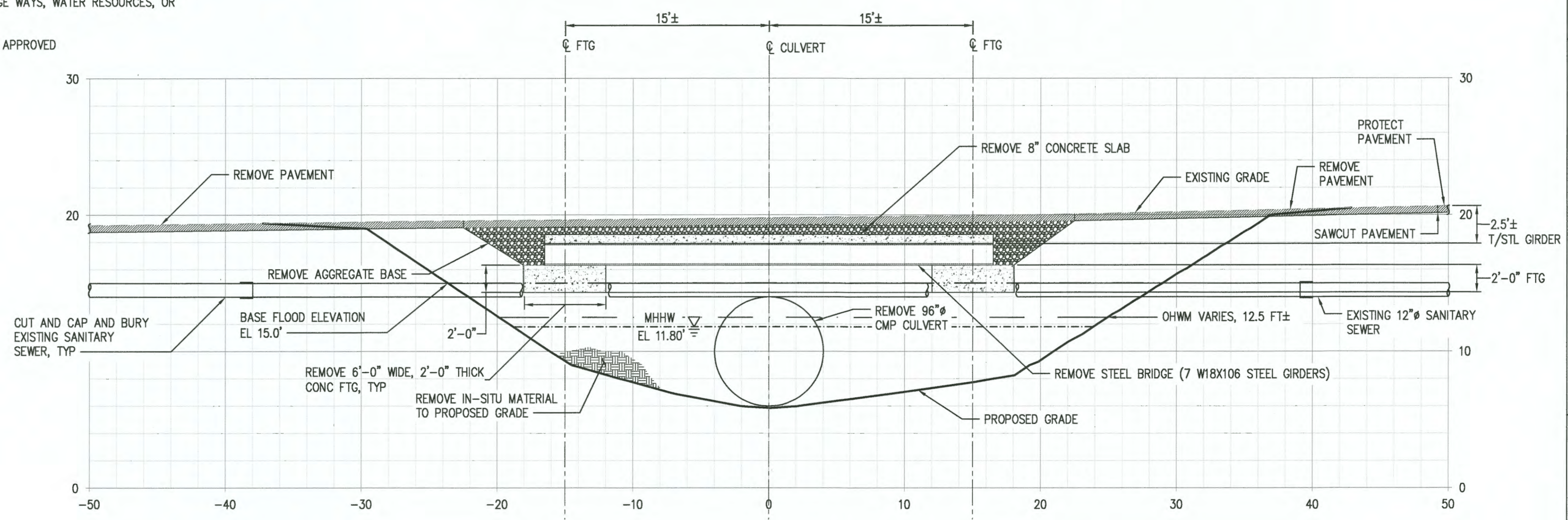


NOTE:  
COFFERDAMS SHALL BE USED TO PREPARE DEWATERED WORK AREA. COFFERDAMS SHOULD BE COMPLETELY SEALED TO PREVENT DELETERIOUS MATERIAL FROM LEACHING INTO WAPATO CREEK AND TO PREVENT WAPATO CREEK OR TIDAL WATERS FROM ENTERING THE PROJECT AREA. UPON COMPLETION OF THE PROJECT, ALL COFFERDAM MATERIALS SHALL BE REMOVED. HEIGHT TO WIDTH RATIO SHALL BE NO GREATER THAN 2:1.

3 COFFERDAM DETAIL NTS



4 STRAW WATTLE DETAIL NTS



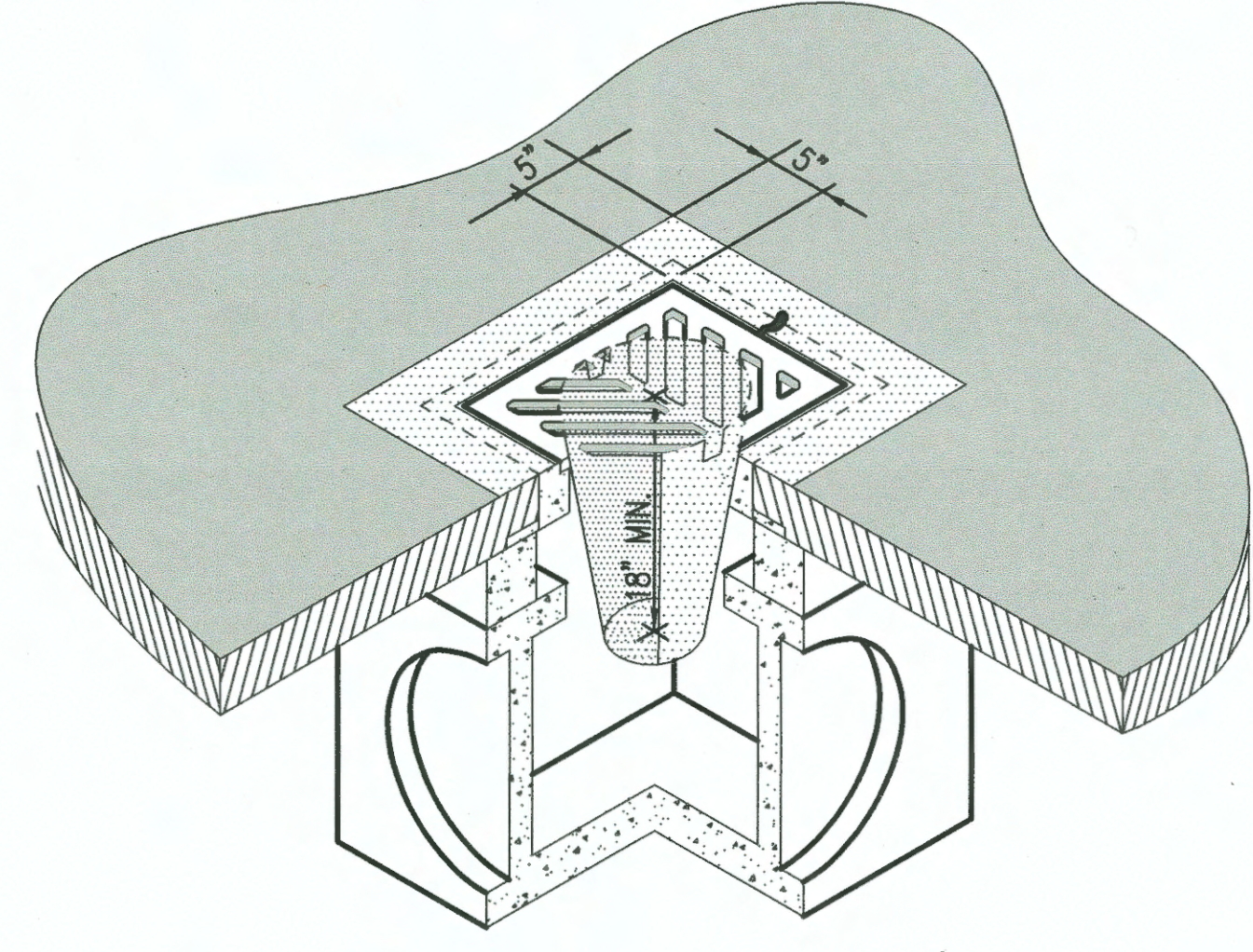
A EXISTING DRIVEWAY REMOVAL 1" = 5'

2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162		APPROVED: <i>[Signature]</i> DATE: 06/01/20		BY: _____ DATE: _____	
CMB 06/01/20		CHECKED BY: SWK 06/01/20		PROJECT: PROJ. ENGR DATE	
DIRECTOR: <i>[Signature]</i>		DIRECTOR ENGR. DATE: 06/01/20		PRINTED BY: rlambert Jun 17, 2020	
PORT ADDRESS: ONE SITCUM PLAZA		TACOMA, WA 98401-1837		DRAWING SCALE: AS SHOWN	
<b>WAPATO CREEK BRIDGE AND CULVERT REMOVAL EROSION CONTROL AND DEMOLITION NOTES AND DETAILS</b>					
RANGE: 03E SECTION: 01		TOWNSHIP: 20N DATE: 201070.01		M. ID: 201070.01	
DATE: 201070.01		DAT-HRZ: WA83-SF		PARCEL: 15	
PHASE: BID SET		TOWN: 20N		DATE: 201070.01	
6608		D1.3		8 OF 33	

PORT OF TACOMA FILE: N:\2018\1800249 POT PCT Culvert Repair\Drawings\Current\201070 - D1.3-D1.14 (DEMO AND TESC NOTES & DETAILS)

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1 INLET PROTECTION DETAIL  
NTS

**NOTES:**

1. INSERT SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS WITHIN 500 FEET OF WORK LIMITS PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN IT IS 1/3 FULL.

6608  
**D1.4**  
9 OF 33  
CONT/CONS: 071198  
M. ID: 201070.01  
PHASE: BID SET

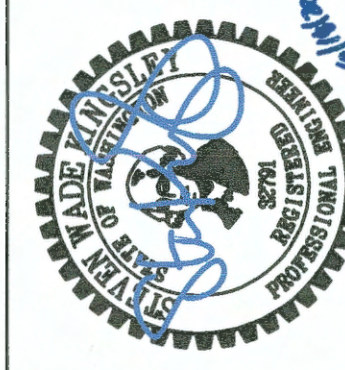
**WAPATO CREEK  
BRIDGE AND CULVERT REMOVAL**  
EROSION CONTROL AND DEMOLITION  
NOTES AND DETAILS

TOWNSHIP: 20N RANGE: 03E SECTION: 01  
DAT-HRZ: WA85-SF VERT: MLLW 19.18' @ TIDE 22 1933  
PARCEL: 15 DRAWING SCALE: AS SHOWN

APPROVED:

*[Signature]*  
DIRECTOR ENG. DATE

CMB 06/01/20  
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SWK 06/01/20  
PROJ. ENGR DATE  
PRINTED BY: r1ambert Jun 17, 2020  
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**kpff**

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**Port of Tacoma**

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