# PORT OF TACOMA

## FIBER TO LOT F PROJECT NO. 101286.01 CONTRACT NO. 071169

## PORT COMMISSIONERS:

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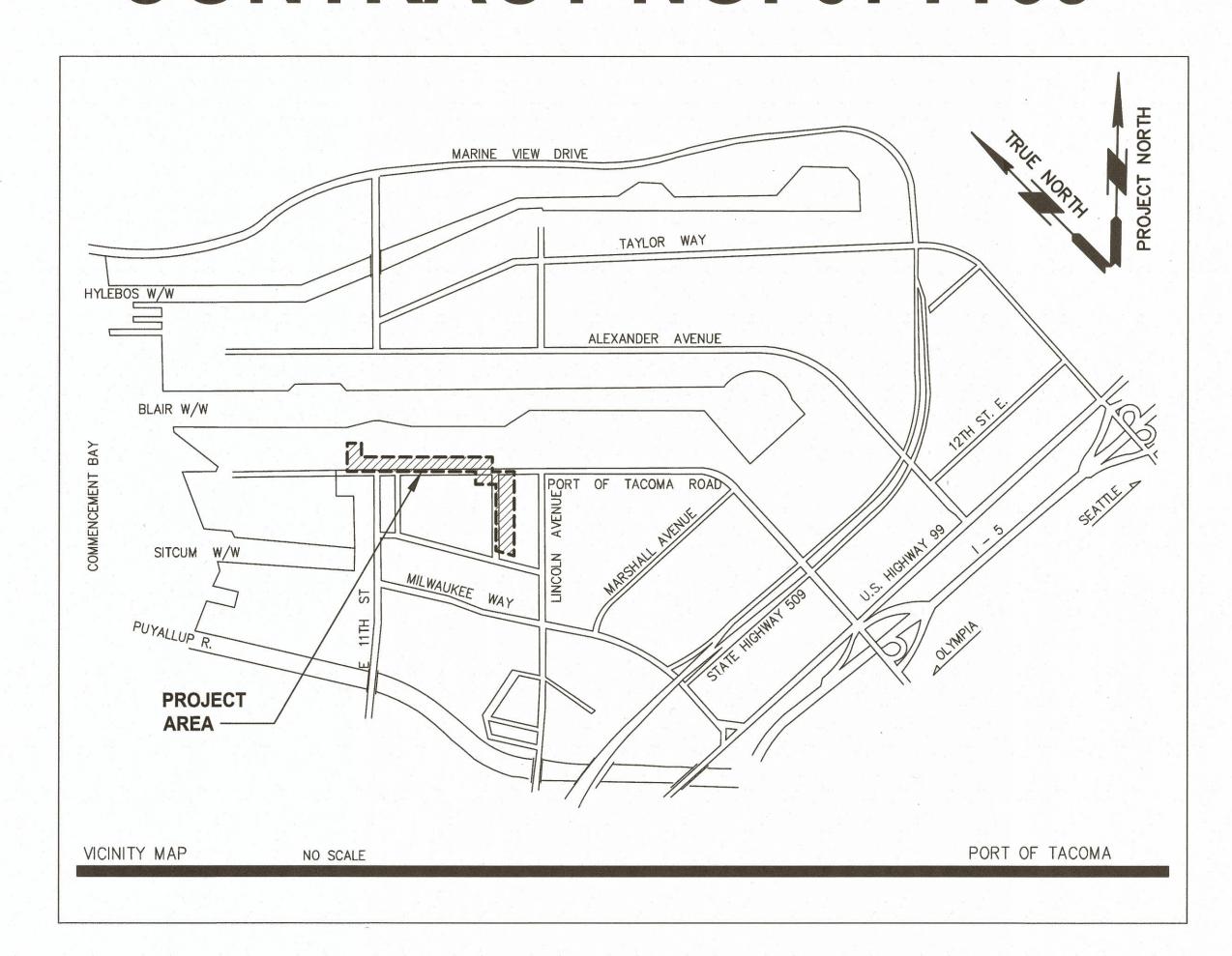
## **PORT STAFF:**

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	SHEET LIST
SHEET NUMBER	SHEET TITLE
G01.01	COVER
G01.02	GENERAL NOTES
G01.03	LEGEND AND ABBREVIATIONS
C01.01	TESC NOTES
C01.02	TESC PLAN 1
001.03	TESC PLAN 2
002.01	SITE PLAN
C03.01	CIVIL DETAILS 1
<b>Ξ</b> 1	OVERALL ELECTRICAL SITE PLAN
2 - E5	PARTIAL ELECTRICAL SITE PLAN
6	OVERALL LOT F ELECTRICAL SITE PLAN
7	FIBER OPTIC CABLE RISER DIAGRAM
8	TPU POWER POLE ELEVATIONS
9	VAULT DETAILS
10	POLE ATTACHMENT DETAILS
11	PARTIAL ELECTRICAL SITE PLAN
12	ELECTRICAL DETAILS
E13	ELECTRICAL VAULT DETAILS
14	CONDUIT AND CONDUCTOR SCHEDULES
VO-01	COVER SHEET AND SHEET INDEX
VO-02	GENERAL NOTES
VO-03	TESC DETAILS
VO-04	TESC PLAN
VO-05	OVERALL PLAN
VO-06	CONDUIT THROUGH CONNECTIONS
WO-06	DETAILS

BID SET PLANS ISSUED: 2019-12-09

NOT TO BE USED FOR CONSTRUCTION

## GENERAL NOTES

- 1. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND PROTECT ANY OTHER UTILITIES NOT SHOWN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. CONTRACTOR SHALL VERIFY LOCATION, DEPTH, SIZE, TYPE AND CONDITION OF EXISTING UTILITIES BEFORE CONSTRUCTION.
- 2. THE CONTRACTOR SHALL HIRE, USE, AND PAY FOR SERVICES OF PRIVATE LOCATING COMPANY PRIOR TO STARTING WORK IN ANY AREA. CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES DURING CONSTRUCTION AND SHALL ALSO CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE BEFORE STARTING WORK AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 4. SLOPE OF FINISHED GRADE SHALL MATCH EXISTING ON ALL SIDES AND EDGES.
- 5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES AS REQUIRED IN THE SPECIFICATIONS AND TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) PLANS. SEE TEMPORARY EROSION AND SEDIMENT CONTROL DRAWINGS.
- 6. ALL DEVIATIONS FROM THESE PLANS SHALL BE RECORDED ON A SET OF "AS-BUILT" DRAWINGS AS REQUIRED IN THE SPECIFICATIONS.
- 7. EXISTING UTILITIES WHICH ARE DAMAGED DUE TO CONSTRUCTION WORK SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND INSPECTED AND ACCEPTED BY UTILITY OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING.
- 8. THE CONTRACTOR SHALL KEEP PAVED AREAS ADJACENT TO THE SITE CLEAN AT ALL TIMES BY SWEEPING DAILY. WASHING OF THESE AREAS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL.
- 9. PARTS OF THE NORTHERN WORK ARE WITHIN AN OPERATING SECURED TERMINAL. ALL OF THE CONTRACTORS PERSONNEL ARE REQUIRED TO HAVE A VALID TWIC CARD ON THEIR PERSON WHEN ON SITE. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

## HORIZONTAL DATUM

- WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2007 (PER PORT OF TACOMA SURVEY CONTROL MAP - 2007)
- 2. MEASURED SOUTH 31°00'47" EAST 3340.24 FEET BETWEEN PORT OF TACOMA MONUMENTS 923 AND 903 LOCATED ALONG MILWAUKEE WAY

### VERTICAL DATUM

- 1. MLLW (PER PORT OF TACOMA 2007 SECTION CONTROL MAP)
- 2. TIDE 22 1933 BENCHMARK: LOCATED AT NE CORNER OF 11TH ST. BRIDGE AT THE INTERSECTION OF E. 11TH ST. AND MILWAUKEE WAY ELEVATION = 19.39 (BASED ON 1960-1978 TIDAL EPOCH)

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AS NOTED	AT T	TACOMA, WA 98401-1837

FIBER TO LOT F

FIBER TO LOT F

GENERAL NOTES

TOWNSHIP: 21N

TOWNSHIP: 21N

DAT—HRZ: WA83—SF | VERT: MLLW 19.39' @ T

6636 G01\_02 2 of 22 DNT/CONS: 071169

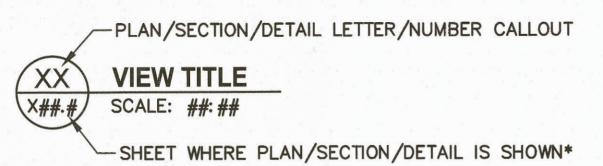
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ABBRE\	/IATIONS	ABBRE	VIATIONS (CONT'D)	LEGEND	
ACI ACP ADD'L	AMERICAN CONCRETE INSTITUTE ASPHALT CONCRETE PAVEMENT ADDITIONAL	OC OCR OCT	ON CENTER OPTICAL CHARACTER RECOGNITION OLYMPIC CONTAINER TERMINAL	EXISTING	DESCRIPTION
ADMIN ADS	ADMINISTRATION ADVANCED DRAINAGE SYSTEMS	OD OWS	OUTSIDE DIAMETER OIL-WATER SEPARATOR		FOUND MONUMENT AS NOTED
AISC ANSI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN NATIONAL STANDARDS INSTITUTE	PCS	PIECES		SET REBAR W/ CONTROL CAP
APPROX	APPROXIMATE AMERICAN SOCIETY OF CIVIL ENGINEERS	PG PK	PERFORMANCE GRADE PARKER KALON		
ASCE ASS'Y	ASSEMBLY	PLC	POUNDS PER CUBIC INCH or PORTLAND CEMENT		SANITARY SEWER MANHOLE
ASTM AWG	AMERICAN SOCIETY FOR TESTING MATERIALS AMERICAN WIRE GAUGE	PLCS	INSTITUTE PLACES	0	UTILITY CLEAN OUT
AWS	AMERICAN WELDING SOCIETY	PLI POT	POUNDS PER LINEAR INCH PORT OF TACOMA		STORM MANHOLE
BLDG	BUILDING	PSI	POUNDS PER SQUARE INCH		STORM CATCH BASIN
BNSF BOT, BOTT	BURLINGTON NORTHERN SANTA FE RAILROAD BOTTOM	PSF PTZ	POUNDS PER SQUARE FOOT PAN-TILT-ZOOM	<	STORM CULVERT
СВ	CATCH BASIN	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT	RD	ROOF DRAIN
CBP CDF	CUSTOMS AND BORDER PATROL CONTROLLED DENSITY FILL	RCP	REINFORCED CONCRETE PIPE	W	WATER MANHOLE
CFR	CODE OF FEDERAL REGULATIONS	RCW	REVISED CODE OF WASHINGTON		WATER VALVE
CLR CM	CLEAR CENTIMETER	REBAR REINF	REINFORCING STEEL BAR REINFORCEMENT		WATER METER
CMP COMM	CORRUGATED METAL PIPE COMMUNICATIONS	REQ'D RGS	REQUIRED RIGID GALVANIZED STEEL	Q	FIRE HYDRANT
CONC	CONCRETE (PORTLAND CEMENT CONCRETE)	ROW	RIGHT OF WAY		THRUST BLOCK
CONT	CONTINUOUS CITY OF TACOMA	RPM RR	RAISED PAVEMENT MARKER RAIL ROAD	W	WATER VAULT
CPP	CORRUGATED PLASTIC PIPE CONCRETE REINFORCING STEEL INSTITUTE	RTG	RUBBER TIRED GANTRY	<u>O</u> -	FIRE DEPARTMENT CONNECTION
CY	CUBIC YARD	S SCH	SOUTH SCHEDULE	9	WATER BLOW OFF
c/c	CENTER TO CENTER	SD	STORM DRAINAGE		POST INDICATOR VALVE
DBA DI, DIP	DEFORMED BAR AREA DUCTILE IRON PIPE	SE SIM	SOUTHEAST SIMILAR	$\times_{IR}$	IRRIGATION CONTROL VALVE
DIA DIM	DIAMETER DIMENSION	SPA SO	SPACING OR SPACED SQUARE		GAS VALVE
DN	DOWN	SQ SS	STAINLESS STEEL OR SANITARY SEWER		GAS METER
DHS	DEPARTMENT OF HOMELAND SECURITY	ST STRAD	STREET STRADDLE CARRIER	P	POWER METER
E EA	EAST, OR EASTING EACH	STL STD	STEEL STANDARD		POWER CABINET
ECP	ENTRY CONTROL POINT	SW	SOUTHWEST	-O <sub>P</sub>	UTILITY POLE GUY ANCHOR
ELEV	ELECTRICAL ELEVATION	T	TERMINAL	J	JUNCTION BOX
EQ EST	EQUAL EAST SITCUM TERMINAL	TBD TESC	TO BE DETERMINED TEMPORARY EROSION AND SEDIMENT CONTROL	P	POWER VAULT
EW EX	EACH WAY EXISTING	TPT TPU	TESC PERIMETER TREATMENT TACOMA PUBLIC UTILITIES		POWER TRANSFORMER
		TWIC TYP	TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL TYPICAL	÷i P	POWER MANHOLE
FT	FEET	T&B	TOP AND BOTTOM		LIGHT POLE
G or GA GALV	GAUGE GALVANIZED	UON	UNLESS OTHERWISE NOTED		TRAFFIC LOOP
GCP	GENERAL CENTRAL PENINSULA	UPRR	UNION PACIFIC RAILROAD		UTILITY VAULT
H20	WATER LEVEL	VDC VERT	VOLTS DIRECT CURRENT VERTICAL	U	UTILITY MANHOLE
HAS HDPE	HEADED ANCHOR STUD HIGH DENSITY POLYETHYLENE PIPE			•	COLUMN
HORIZ HPU	HORIZONTAL HYDRAULIC POWER UNIT	WAC	WIDTH OR WEST WASHINGTON ADMINISTRATIVE CODE		BOLLARD
HYD	HYDRAULIC	WSDOT WT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION WEIGHT	-0-	UTILITY POLE
ID IE	IDENTIFICATION OR INSIDE DIAMETER	w/	WITH	Д	SIGN
/	INVERT ELEVATION	W/W	WATERWAY	7 0	SIGNAL MAST
KIPS	KILO-POUND (THOUSANDS OF POUNDS)	&	AND		MONITORING WELL
LB/FT	POUNDS PER FOOT	<b>©</b> *	AT ASTERISK	TPN	TAX PARCEL NUMBER
LBF LBS	POUND FORCE POUNDS	L	ANGLE		TELECOM VAULT
LF	LINEAR FEET	Ø	CENTERLINE NOMINAL DIAMETER OR PHASE		TELECOM MANHOLE
MAINT MAX	MAINTENANCE MAXIMUM		DEGREES MINUTES OR FEET		TELECOM CABINET
MFR's	MANUFACTURER'S	# %	NUMBER OR POUNDS PERCENT		MAILBOX
MH MIN	MANHOLE MINIMUM	<b>/</b> ራ ዊ	PROPERTY LINE OR PLATE	SD	STORM DRAIN LINE
MLLW MM	MEAN LOWER LOW WATER MILLIMETER		SECONDS OR INCH	-ssssss	SANITARY SEWER LINE
N	NORTH OR NORTHING				SOMITORY SEVEN LINE
NA NAD	NOT APPLICABLE NORTH AMERICAN DATUM			www	BURIED WATER LINE
NE NFPA	NORTHEAST NATIONAL FIRE PROTECTION ASSOCIATION				
NIC NIM	NOT IN CONTRACT NORTH INTERMODAL YARD			NGAS	BURIED GAS LINE
NOM NTS	NOMINAL NOT TO SCALE				
NW	NORTHWEST				

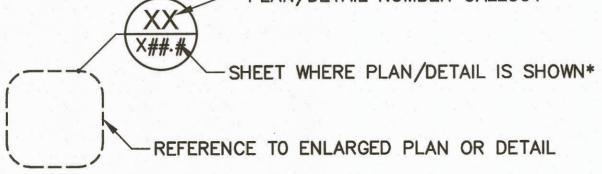
## LEGEND (CONT'D)

EXISTING	DESCRIPTION	
——————————————————————————————————————	BURIED POWER LINE	
BP-R BP-R BP-R -	RECORD BURIED POWER	
BTBTBTBT	BURIED TELECOM LINE	
BT-RBT-RBT-R-	RECORD TELECOM LINE	
AP——AP——AP——	OVERHEAD POWER LINE	
	CHAIN LINK FENCE	
	WOOD OR SPLIT RAIL FENCE	
	RAILROAD TRACKS	
	CONCRETE SURFACE	
	ASPHALT SURFACE	

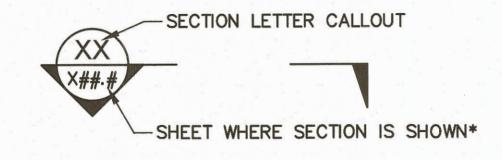
## REFERENCE CALLOUTS

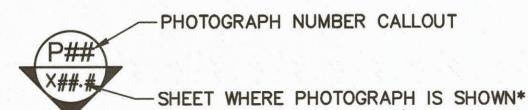


-PLAN/DETAIL NUMBER CALLOUT



\*NOTE: DASH (-) INDICATES SECTION OR DETAIL FROM SAME





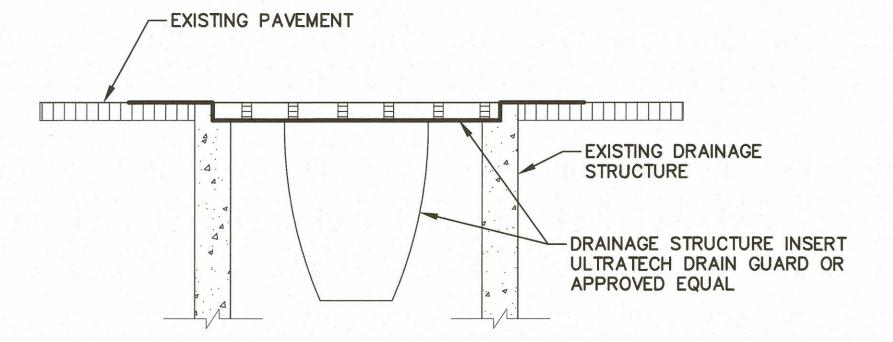
## NOTES:

- 1. ADDITIONAL LEGEND FOR SURVEY ITEMS SHOWN ON SURVEY SHEETS CONTAINED IN APPENDIX A.
- 2. ADDITIONAL LEGEND FOR ELECTRICAL AND COMMUNICATIONS CONSTRUCTION CONTAINED ON ELECTRICAL SHEETS.

**BID SET PLANS** ISSUED: 2019-12-09 NOT TO BE USED FOR CONSTRUCTION

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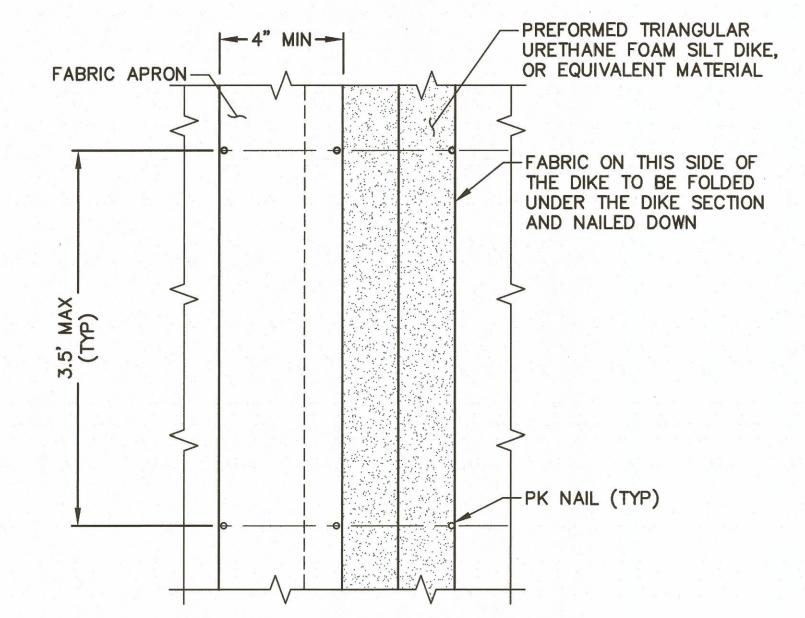
- 3. THE IMPLEMENTATION OF THESE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED AND SHALL BE CONDUCTED IN ACCORDANCE WITH CITY OF TACOMA CONSTRUCTION STORMWATER CONTROL TECHNICAL REQUIREMENTS AND ALL OTHER APPLICABLE STANDARDS AND REGULATIONS.
- 4. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH PAVEMENT REMOVAL 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.
- 5. THE TESC FACILITIES DEPICTED ON THESE DRAWINGS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE PROJECT SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THE CONTRACTOR'S ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THESE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM AND AS REQUIRED BY THE ENGINEER.
- 6. THE TESC FACILITIES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NOTED IN DIVISION 01 OF THE CONTRACT SPECIFICATIONS AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING UNTIL CONSTRUCTION IS COMPLETED AND POTENTIAL FOR ON—SITE EROSION HAS PASSED.
- 7. IF EROSION CONTROL FACILITIES FAIL, THEY SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON RECEIVING VERBAL NOTICE OF SAID FAILURE BY THE CONTRACTOR FROM ENGINEER OR CITY OF TACOMA.
- 8. TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- 9. REFER TO SPECIFICATIONS FOR REQUIREMENTS TO MAINTAIN AND CLEAN DRAINAGE STRUCTURE INSERTS. ALL DRAINAGE STRUCTURES AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO WORK COMPLETION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 10. THE CONTRACTOR SHALL PUT PLASTIC DOWN BEFORE STOCKPILING AND PROTECT STOCK PILE AREAS FROM RELEASE OF ERODED SEDIMENT OR TURBID WATER. STOCK PILES SHALL BE COVERED WITH PLASTIC AT ALL TIMES WHILE NOT IN USE TO KEEP THE STORED MATERIAL DRY.
- 11. ALL DISTURBED AREAS SHALL BE STABILIZED BY ACCEPTABLE METHODS FOR THE PREVENTION OF ON—SITE EROSION AFTER COMPLETION OF CONSTRUCTION.
- 12. EXISTING PAVED ROADS MAY BE USED AS CONSTRUCTION ENTRANCES.
- 13. CONTRACTOR SHALL REMOVE ALL TEMPORARY TESC FACILITIES UPON COMPLETION OF WORK IN EACH WORK AREA.

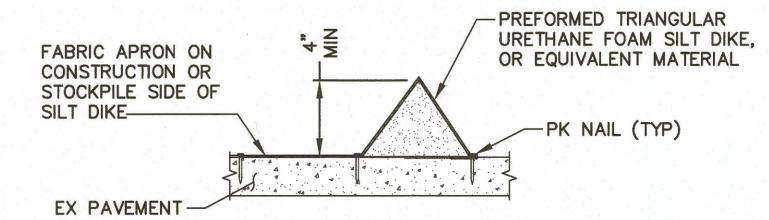


#### NOTES:

- 1. ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC SHALL BE REMOVED. ALL SEDIMENT SHALL BE DISPOSED OF OFF—SITE.
- 2. REFER TO SPECIFICATION SECTION 01 57 13, PARAGRAPH 3.03B FOR REQUIREMENTS TO MAINTAIN AND CLEAN DRAINAGE STRUCTURE INSERTS.







#### TRIANGULAR SILT DIKE NOTES

- 1. PK NAILS SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF A 7-FOOT UNIT AS SHOWN ON THE DIKE PLAN.
- 2. ALTERNATE APPROVED HOLD DOWN DEVICE MAY BE SUBSTITUTED FOR PK NAILS (WIRE STAPLES, ETC.).



#### NOTE

1. ALTERNATE MEANS TO CONTROL SEDIMENT ON PAVEMENT MAY BE SUBSTITUTED FOR TRIANGULAR SILT DIKES SUBJECT TO ENGINEER APPROVAL.

PORT OF TACOMA FIBER TO LOT F TESC NOTES

Tacoma Tacoma

BID SET PLANS
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6636

## NOTES:

- 1. SEE SHEET CO1.01 FOR TESC NOTES.
- 2. ONLY WORK AREAS REQUIRING EXCAVATION OR OTHER GROUND DISTURBING ACTIVITIES ARE SHOWN. AREAS OF AERIAL WORK NOT SHOWN. AREAS OF WORK UTILIZING EXISTING UNDERGROUND CONDUITS NOT SHOWN.
- 3. PLACE DRAINAGE STRUCTURE INSERTS IN ALL DRAINAGE STRUCTURES IN THE VICINITY OF THE WORK, PRIOR TO COMMENCEMENT OF WORK.
- 4. UTILITIES, STRUCTURES, AND SITE FEATURES NOT INDICATED FOR DEMOLITION

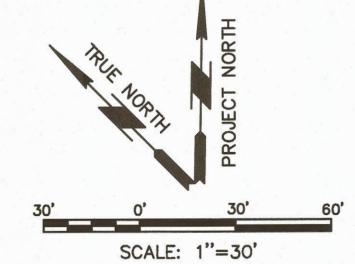
## **LEGEND**

CONSTRUCTION LIMITS

TESC PERIMETER TREATMENT — TPT — SEE 2/C01.01

--- SF --- SILT FENCE

TEMPORARY DRAINAGE STRUCTURE INSERT SEE 1/C01.01



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PORT OF FIBER TO

-HANDHOLE INSTALLATION WORK AREA #3 STORM CATCH BASIN RIM=16.44 IE=14.08, 10"CONC NE IE=13.76, 10"CONC SW -STORM CATCH BASIN RIM=16.68 IE=13.88, 12\*CONC N IE=13.96, 12\*CONC SW ROUND LID RIM=17.35 IE=15.14, 6"PVC NE PORT OF TACOMA ROAD -STORM CATCH BASIN IE=14.21, 10"CONC N IW=14.00, 10"CONC SW DRAINAGE TORM CATCH BASIN M=16.50 =13.99, 8"CONC NE STRUCTURE INSERT, TYP STORM CATCH BASIN RIM=16.37 IE=13.74, 10"CONC NE IE=13.57, 10"CONC SW

**TESC PLAN - WORK AREA 3** SCALE: 1"=30'

SHALL BE PROTECTED IN PLACE.