



City of Tacoma

Environmental Services

ADDENDUM NO. 2

DATE: May 24, 2024

REVISIONS TO:

Request for Bids Specification No. ES24-056F

Foss Shoreline Restoration Outfall 230A Repair Project

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline remains the same.

REVISIONS TO THE PROPOSAL PAGE:

Revision No. 1: The Bid Proposal page shall be replaced in its entirety with the attached.

REVISIONS TO THE TECHNICAL PROVISIONS:

Revision No. 1: Specification 31 00 00 Part 3.02.B shall be revised to read:

- B. An accurate method of horizontal and vertical control shall be established by the Contractor prior to the start of the Quarry Spall Filter placement work in accordance with the applicable requirements of Section 01 71 23 – Surveying and Field Verification. Layout of the project shall be in relation to the outfall structure.

REVISIONS TO THE PLANS:

Revision 1: Note 5 on Plan Sheet 3 has been revised to remove coordination with City Maintenance Crews for assistance with the bypass pumping system. See attached revised project plans.

Revision 2: Note 5 on Plan Sheet 4 has been revised to indicate the filter fabric overlap is 3 feet. See attached revised project plans.

Revision 3: Detail 2 on Plan Sheet 4 has been revised to remove the filter fabric key into the native material. See attached revised project plans.



City of Tacoma

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. ES24-0056F Addendum No. 2. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Jody Bratton, P.E., Science and Engineering Division, Environmental Services Department

ADDENDUM NO. 2

BID PROPOSAL

SPECIFICATION NO. ES24-0056F
Foss Shoreline Restoration Outfall 230A Repair

The undersigned hereby certifies that he/she has examined the location and construction details of work as outlined on the Plans and Specifications for Project No. ENV-03027-21 and has read and thoroughly understands the Plans and Specifications and contract governing the work embraced in this improvement and the method by which payment will be made for said work, and hereby proposes to undertake and complete the work embraced in this improvement in accordance with said Plans, Specifications and contract and at the following schedule of rates and prices:

NOTE: 1. Unit prices of all items, all extensions and total amount of bid should be shown.
Show unit prices in figures only.

<u>ITEM NO.</u>	<u>ITEM DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
1.	Mobilization/Demobilization and General Requirements	1 Lump Sum	Lump Sum	\$ _____
2.	Surveying and Field Verification	1 Lump Sum	Lump Sum	\$ _____
3.	Temporary Bypass System	1 Lump Sum	Lump Sum	\$ _____
4.	Excavation and Disposal	25 Cubic Yards	\$ _____	\$ _____
5.	Import and Place Quarry Spall Filter	6 Tons	\$ _____	\$ _____
6.	Import and Place Weighted Filter Fabric	270 Square Feet	\$ _____	\$ _____
7.	Import and Place Heavy Loose Riprap	34 Tons	\$ _____	\$ _____
8.	Import and Place Streambed Cobbles	6 Tons	\$ _____	\$ _____
Base Bid (Subtotal Item No. 1 through 8)			\$ _____	
10.3% Sales Tax (Item No. 1 through 8)			\$ _____	
Grand Total			\$ _____	



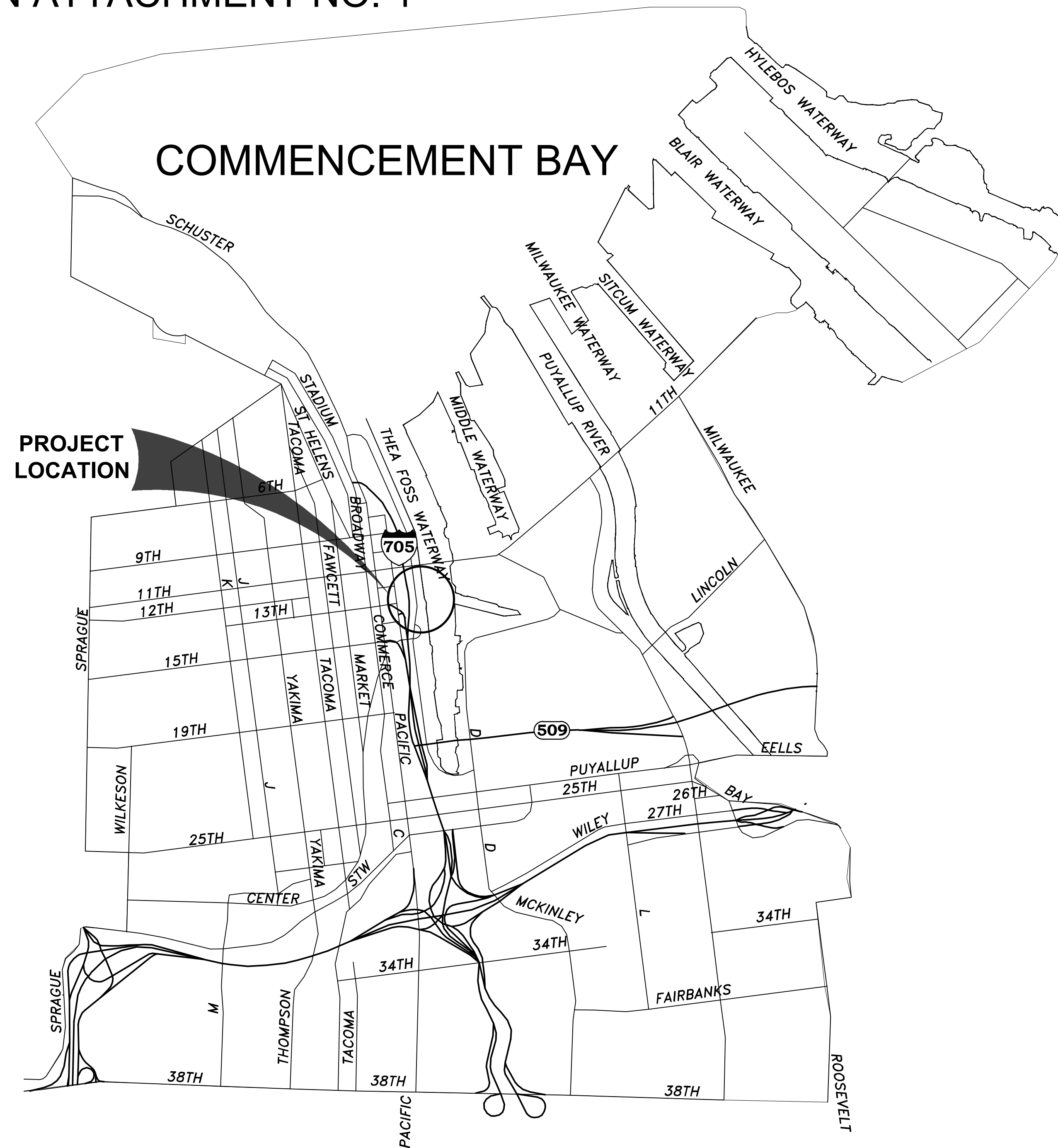
FOSS SHORELINE RESTORATION - OUTFALL 230A REPAIR PROJECT

TACOMA, WASHINGTON
PROJECT NO: 2400003
MAINTENANCE AND REPAIR PLAN ATTACHMENT NO. 1

INDEX OF DRAWINGS		
SHEET NO.	DWG NO.	TITLE OF DRAWINGS
01	G1.00	TITLE SHEET
02	G1.01	LEGEND, ABBREVIATIONS, AND GENERAL NOTES
03	C1.01	FOSS SHORELINE RESTORATION PLAN
04	C1.02	STORMWATER OUTFALL SECTION



VICINITY MAP
SCALE: NTS



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NO	REVISION	DATE	APPD	△	BID SET - TITLE BLOCK	5/17/24	RT	FINAL CONSTRUCTION CHECKED	5/17/2024	NTS	
				△	ADDENDUM #2	5/23/24	RT	DESIGNED	RT	SS	
				DATE	BY	DATE	SCALE	DATE	SCALE	DATE	
								RT	SS	RT	
				DRAWING NAME	G1.00_TITLE SHEET.DWG						

CITY OF TACOMA
ENVIRONMENTAL SERVICES DEPARTMENT
FOSS SHORELINE RESTORATION - OUTFALL 230A REPAIR PROJECT
TITLE SHEET

SPEC. NO.	ES24-0056F
WBS NO.	ENV-03027-21
SHEET NO.	G1.00
SHEET	1 OF 4

BID SET

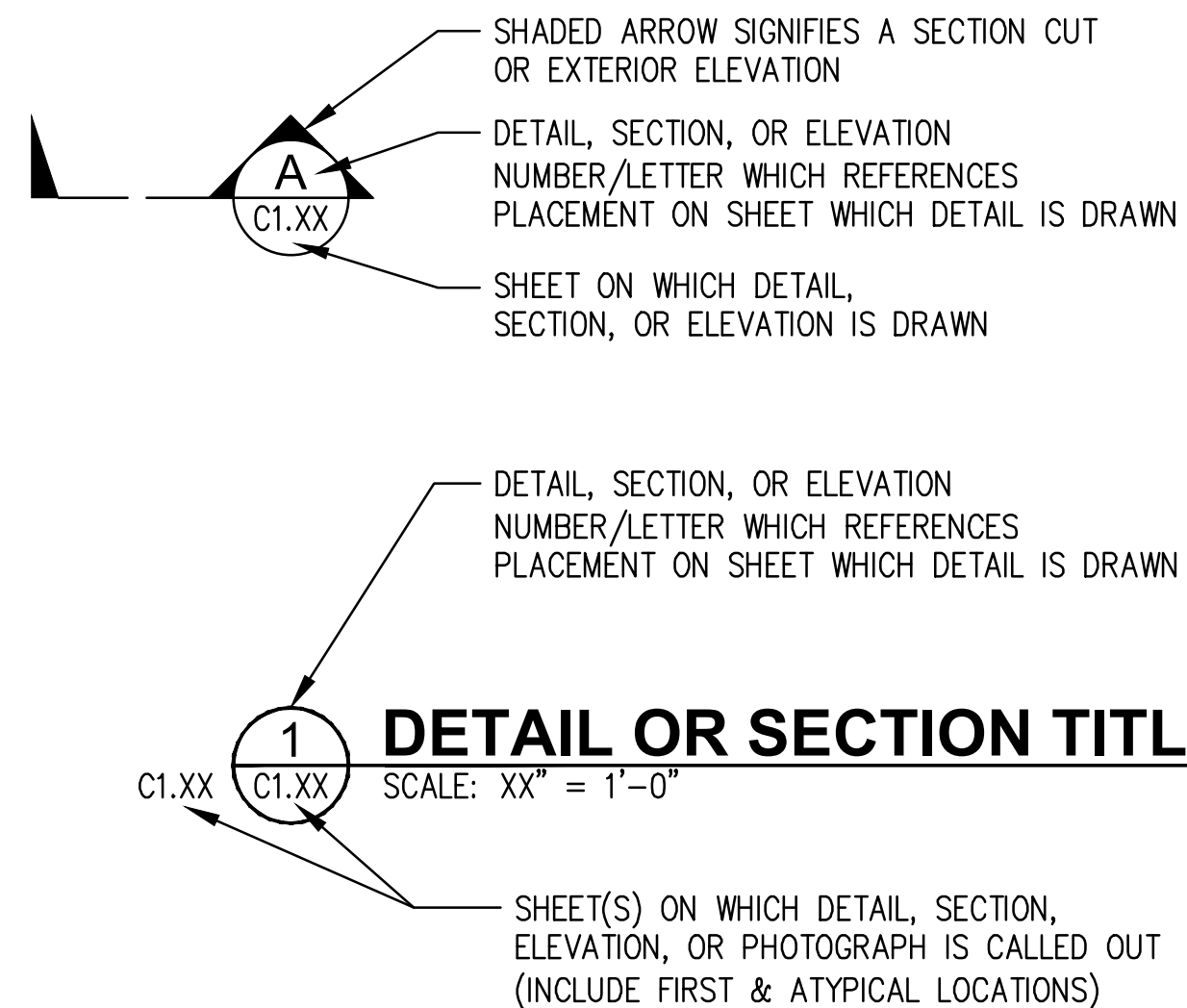
ABBREVIATIONS:

∅	DIA
&	AND
±	APPROXIMATELY
C	CENTERLINE
=	EQUALS
'	FOOT
#	NUMBER
%	PERCENT
APPROX	APPROXIMATE (-E, -LY)
AVE	AVENUE
BMP	BEST MANAGEMENT PRACTICES
BTWN	BETWEEN
CB	CATCH BASIN
COT	CITY OF TACOMA
CONC	CONCRETE
CONN	CONNECT/CONNECTION
CONST	CONSTRUCT (-ION)
CONT	CONTINU (-ED, -OUS, -ATION)
CONTR	CONTRACTOR
COORD	COORDINATE
CY	CUBIC YARD
DEG	DEGREES
DIA	DIAMETER
DIM	DIMENSION (-S)
DIP	DUCTILE IRON PIPE
EA	EACH
EG	EXISTING GRADE
EHW	EXTREME HIGH WATER
EL/ELEV	ELEVATION
ELW	EXTREME LOW WATER
ENGR	ENGINEER
EQ	EQUAL (-LY)
EQUIP	EQUIPMENT
EXIST, EX	EXISTING
FDN	FOUNDATION
FT	FEET, FOOT
GALV	GALVANIZE (-D)
GENL	GENERAL
HAT	HIGHEST ASTRONOMICAL TIDE
HDPE	HIGH DENSITY POLYETHYLENE
HDPF	HIGH DENSITY POLYURETHANE FOAM
HH	HANDHOLE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH (-ES)
L	LENGTH
LB	POUND (-S)
LF	LINEAR FEET
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MPH	MILES PER HOUR
N	NORTH
N/A	NOT APPLICABLE
NAVD/NAVD88	NORTH AMERICAN VERTICAL DATUM
NE	NORTHEAST
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
PCF	POUNDS PER CUBIC FEET
PROJ	PROJECT
PVC	POLY VINYL CHLORIDE
QTY	QUANTITY
R	RADIUS, REMOTE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REF	REFERENCE
REQ'D	REQUIRED
REV	REVISION
S	SOUTH
SCHED	SCHEDULE
SDMH	STORM DRAIN MANHOLE

GENERAL NOTES:

- ALL SAFETY CODES, REGULATIONS, AND SPECIFICATIONS SHALL BE COMPLIED WITH FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, OR OTHER DEVICES TO PROVIDE FOR PUBLIC SAFETY.
- ALL INDICATED SCALES ON THE DRAWINGS ARE APPROXIMATE AND DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALED DISTANCES.
- UNLESS DESIGNATED TO BE REMOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES IN PLACE, WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING FEATURES WHICH ARE TO REMAIN IN PLACE. ALL NEW AND EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL WORK THROUGHOUT THE COURSE OF CONSTRUCTION.
- THE WORK ZONE WILL NOT BE ACCESSIBLE FROM LANDSIDE EXCEPT FOR STORMWATER TEMPORARY BYPASS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY ALL NECESSARY EQUIPMENT TO PERFORM CONSTRUCTION ACTIVITIES IN WATER.
- CONTRACTOR MUST SUBMIT A PLAN OUTLINING STRATEGIES AND BEST MANAGEMENT PRACTICES FOR MINIMIZING DISTURBANCE TO THE EXISTING SLOPE CAP DUE TO SPUDGING, SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION.
- THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONTRACTOR'S WORK AND OPERATIONS.
- THE USE OF COPPER OR GALVANIZED/ZINC-BASED MATERIALS FOR COMPONENTS THAT MAY BE EXPOSED TO STORMWATER IS PROHIBITED. ALL METAL PARTS MUST BE CORROSION-RESISTANT. EXAMPLES INCLUDE ALUMINUM, STAINLESS STEEL, AND PLASTIC. ZINC AND GALVANIZED MATERIALS ARE DISCOURAGED BECAUSE OF AQUATIC TOXICITY. PAINTED METAL PARTS SHOULD NOT BE USED BECAUSE OF POOR LONGEVITY.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITY SYSTEMS, AS SHOWN HEREON, ARE TAKEN FROM AS-BUILT PLANS AND ARE SHOWN IN AN APPROXIMATE WAY ONLY.
- HORIZONTAL DATUM:
WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/91.
- VERTICAL DATUM:
NGVD 29. PER CITY OF TACOMA BENCHMARKS.

MLLW AND MHHW ELEVATIONS DRAWN FROM A "TACOMA PUBLIC WORKS VERTICAL DATUM" CONVERSION SHEET, USING THE NGS TIDAL ELEVATION DATA FOR BENCHMARK "TIDAL 22 1933", PID:SY0536.
MHHW = +5.84 FEET,
MLLW = -5.96 FEET.



LEGEND:

	SS FLAG
	WA FLAG
	SD FLAG
	FLAG NOTE
	BENCH MARK
	KEYNOTE
	REVISION DELTA
	GRID SYMB 1
	GRID SYMB 2
	GRID SYMB 3
	MLLW
	WATER VALVE
	FDC
	CAP

LEGEND (CONTINUED):

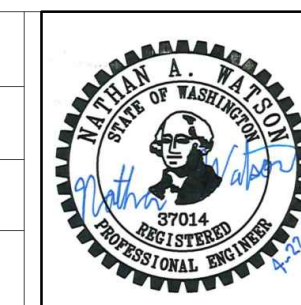
	DEBRIS BOOM
	FENCE
	LIMITS OF WORK
	SILT FENCE, CONSTRUCTION FENCE, HIGH VISIBILITY FENCE
	SLOPE
	SPOT ELEVATION
	CONTOUR LINE
	FLOW DIRECTION
	CENTERLINE
	STORM DRAIN LINE
	SD - CATCH BASIN
	MANHOLE
	LIGHT POLE
	INLET PROTECTION
	CONSTRUCTION ACCESS GATE



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NO	REVISION	DATE	APPD	DATE	APPD	DATE	APPD	DATE	APPD
		5/17/24	RT	5/23/24	RT	5/17/24	RT	5/17/24	RT
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				BY		RT	SS	DRAWN	
				DATE		RT	FIELD BOOK		
				DRAWING NAME		G1.01_LEGEND, ABBREVIATIONS, AND GENERAL NOTES.DWG			



CITY OF TACOMA ENVIRONMENTAL SERVICES DEPARTMENT		SPEC. NO.	ES24-0056F
FOSS SHORELINE RESTORATION - OUTFALL 230A REPAIR PROJECT		WBS NO.	ENV-03027-21
LEGEND, ABBREVIATIONS, AND GENERAL NOTES		SHEET NO.	G1.01
		SHEET	2 OF 4


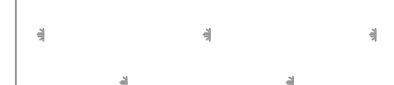







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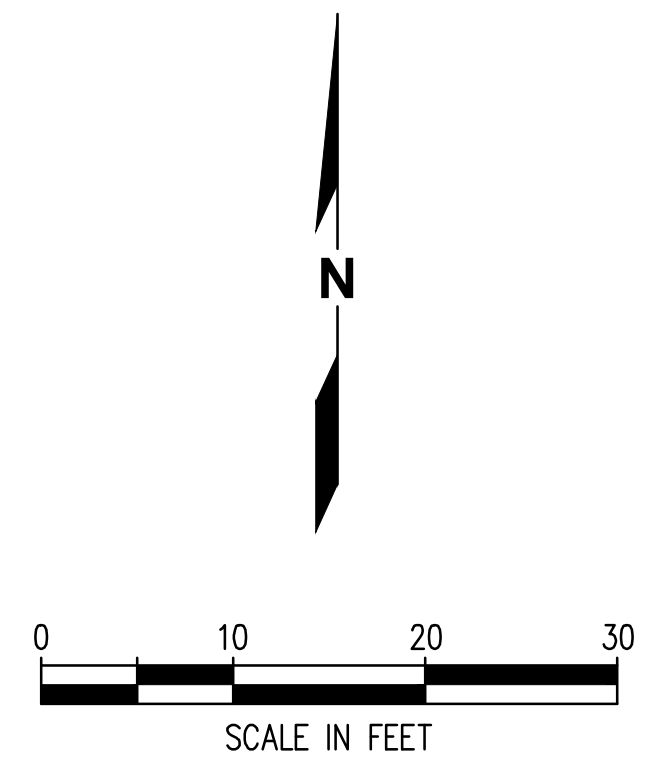


NOTES

1. TO MAINTAIN MINIMUM PERFORMANCE STANDARDS, CONTRACTOR SHALL REMOVE ANY SEDIMENT FROM THE EXISTING OUTFALL STRUCTURE IF THE ACCUMULATED SEDIMENT EXCEEDS 10% OF THE DESIGN DEPTH.
2. CONTRACTOR SHALL COORDINATE WORK WITH OTHER ONGOING CONSTRUCTION NEAR OUTFALL 230A AND ADJACENT AREAS.
3. FOR ALL EARTHWORK INCLUDING WORK DONE IN THE WET, CONTRACTOR SHALL SEQUENCE WORK SO THAT NO SUBGRADE MATERIAL IS EXPOSED FOR MORE THAN A SINGLE TIDE CYCLE WITHOUT RIPRAP BEING PLACED OVER TOP TO MINIMIZE EROSION OF SOIL.
4. CONTRACTOR SHALL DEPLOY AND MAINTAIN DEBRIS BOOM WITH MINIMUM 3-FOOT CURTAIN WITH SUITABLE WEIGHT OR ANCHORING SYSTEM FOR THE PROJECT DURATION. CONTRACTOR SHALL DETERMINE IDEAL ANCHOR LOCATIONS FOR BALLAST TO MAINTAIN MINIMUM 3-FOOT DEPTH BELOW WATER SURFACE. DEBRIS BOOM SHALL BE ANCHORED ABOVE MHHW.
5. CONTRACTOR SHALL CONSTRUCT A TEMPORARY BYPASS SYSTEM TO CONTROL AND MAINTAIN STORM DRAIN FLOW DURING CONSTRUCTION.
6. THE TEMPORARY BYPASS SYSTEM MUST BE DESIGNED FOR EXPECTED FLOWS. SEE SPECIFICATIONS FOR FLOW CRITERIA.
7. REMOVE TEMPORARY BYPASS SYSTEM AND RESTORE THE AREA TO PRE-DIVERSION CONDITIONS WITHIN 5 DAYS AFTER BYPASS IS NO LONGER NEEDED.
8. ALL REPAIR ACTIVITIES WILL BE PERFORMED WITHIN THE EXISTING THEA FOSS WATERWAY SLOPE CAP AREA WHICH INCLUDES SLOPE WITHIN ENTIRE WORK AREA.

LEGEND

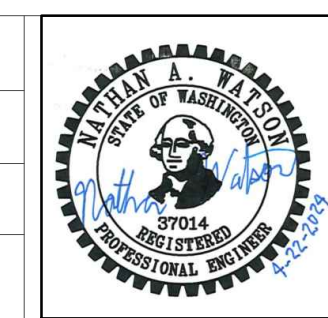
-  EX CONCRETE
-  EX EMERGENT ZONE PLANTINGS
-  METRO PARKS TACOMA PROPERTY
-  EX FENCE
-  EX CONTOUR
-  PROJECT WORK LIMITS
-  DEBRIS BOOM
-  WATER LEVEL
-  HEAVY LOOSE RIPRAP



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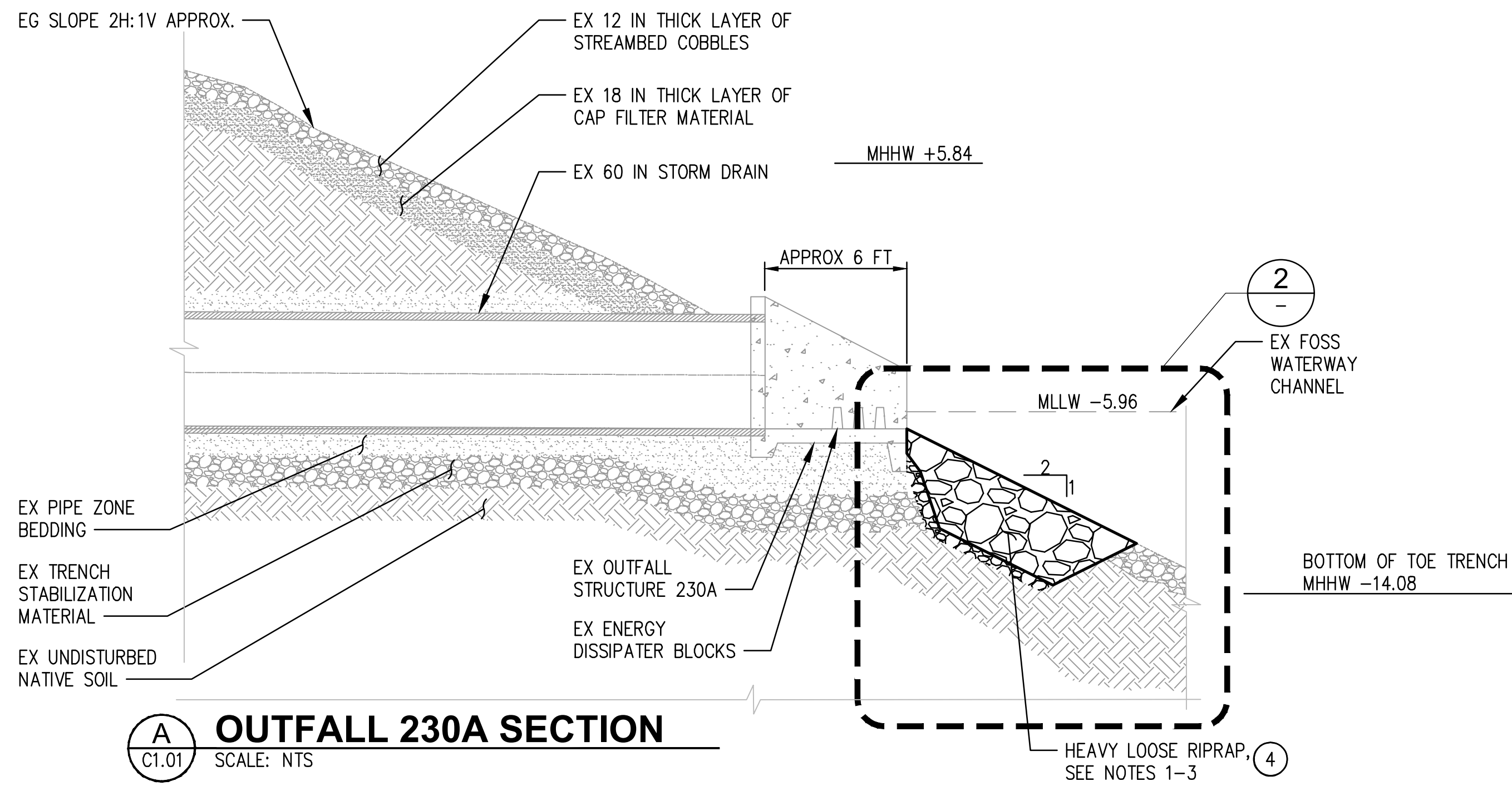
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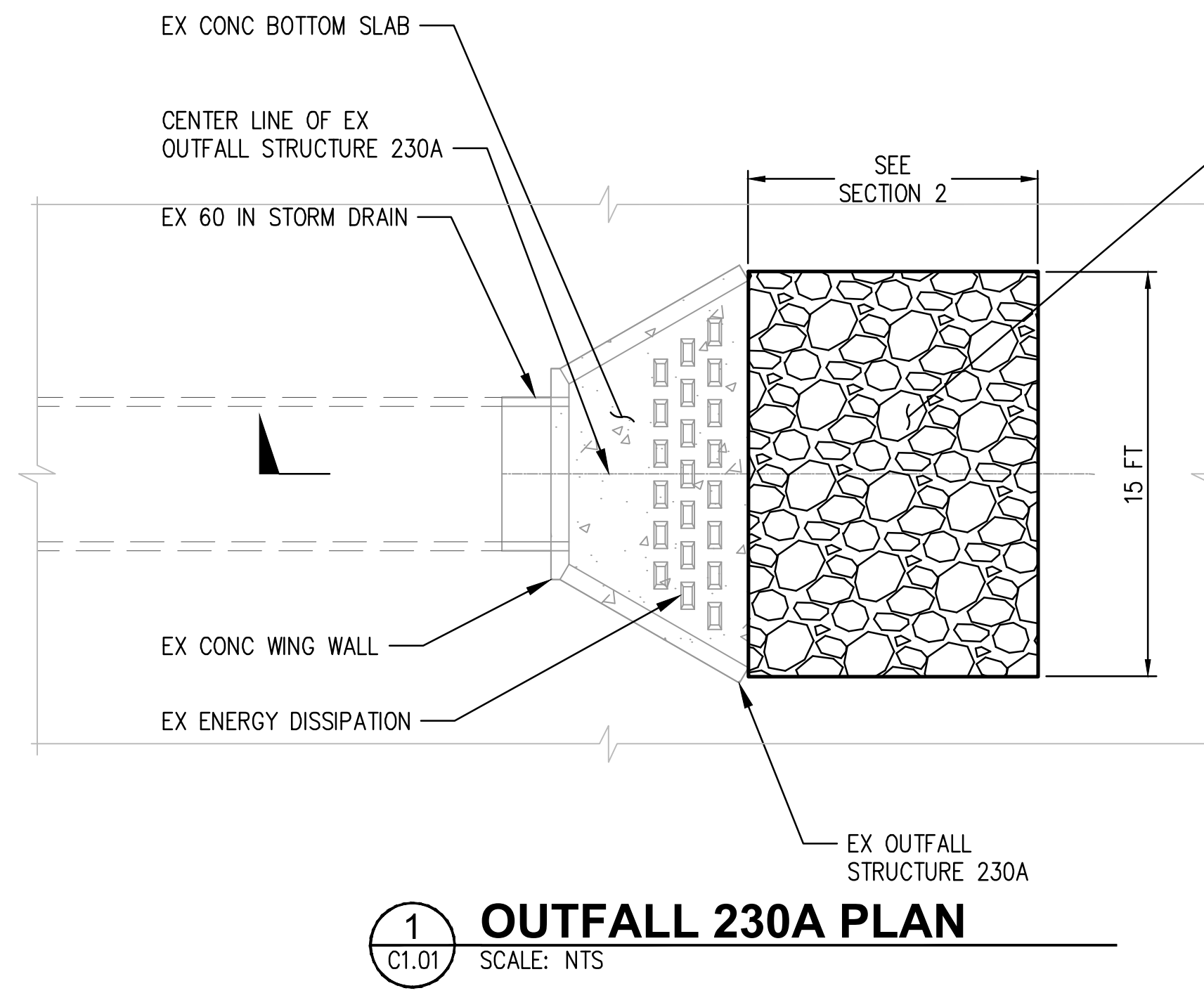
CITY OF TACOMA
ENVIRONMENTAL SERVICES DEPARTMENT
FOSS SHORELINE RESTORATION - OUTFALL 230A REPAIR PROJECT
FOSS SHORELINE RESTORATION PLAN

SPEC. NO.	ES24-0056F
WBS NO.	
SHEET NO.	C1.01
SHEET	3 OF 4

BID SET

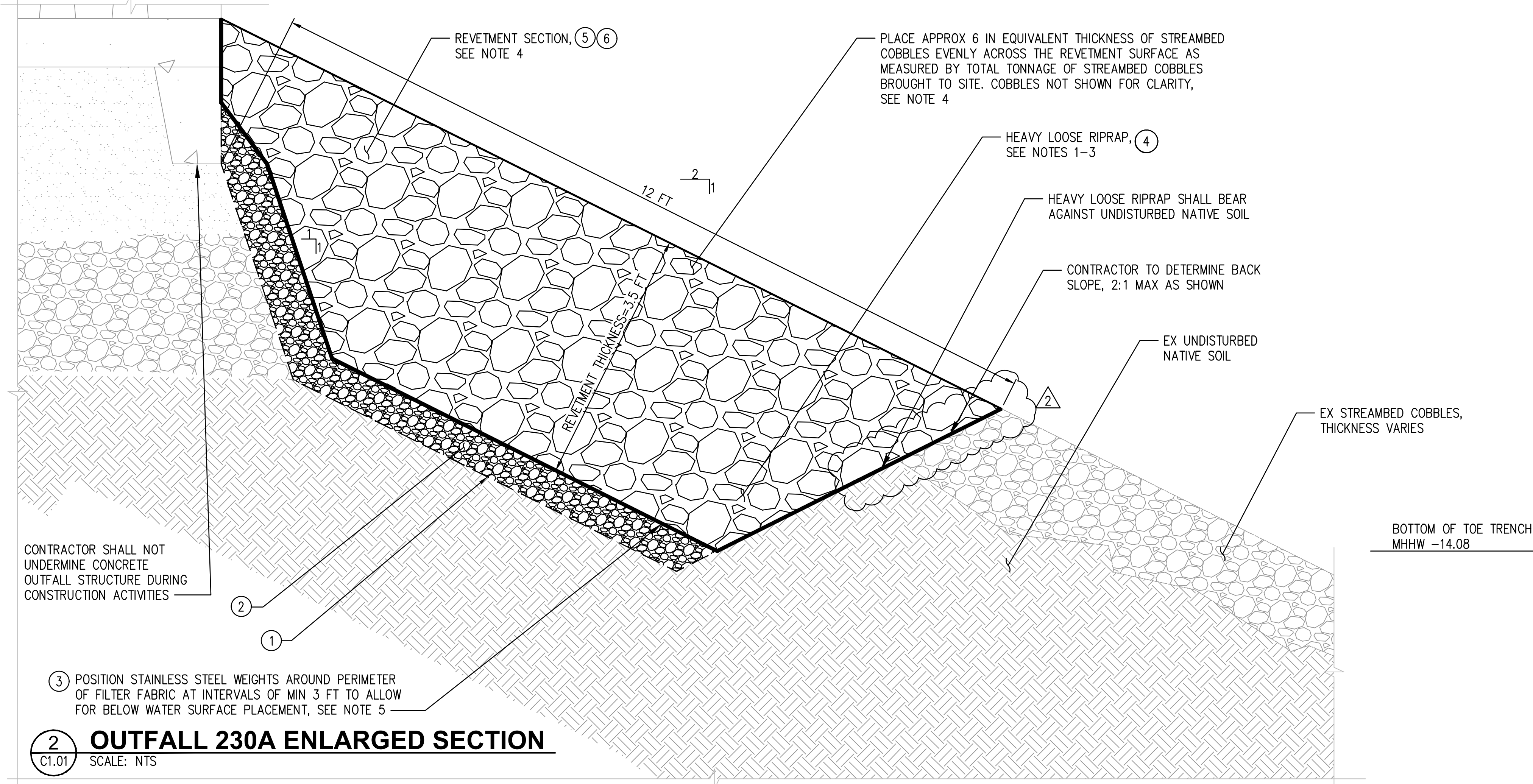


A **OUTFALL 230A SECTION**
C1.01 SCALE: NTS



1 **OUTFALL 230A PLAN**
C1.01 SCALE: NTS

- NOTES**
1. HEAVY LOOSE RIPRAP SHALL BE A MEDIAN NOMINAL DIAMETER OF 28 INCHES WITH 50-80% PASSING SMALLER, SEE SPECIFICATIONS. HEAVY LOOSE RIPRAP SHALL BE VISUALLY ACCEPTED BY THE ENGINEER.
 2. HEAVY LOOSE RIPRAP SHALL BE HARD AND ANGULAR AND OF SUCH QUALITY THAT IT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING AND SHALL BE SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
 3. THE USE OF RECYCLED MATERIALS IS NOT PERMITTED FOR THIS APPLICATION.
 4. TOP OF REVETMENT SHALL MATCH EXISTING GRADE. CONTRACTOR SHALL VISUALLY INSPECT REVETMENT SURFACE TO CONFIRM VOIDS ARE COMPLETELY FILLED WITH STREAMBED COBBLES. CONTRACTOR SHALL CONFER WITH THE ENGINEER AND THE CITY OF TACOMA FOR FINAL VERIFICATION.
 5. CONTRACTOR SHALL UNROLL FILTER FABRIC DOWNSLOPE, OVERLAPPING ADJACENT ROLLS A MINIMUM OF 3 FEET.

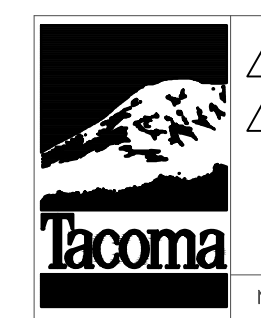


2 **OUTFALL 230A ENLARGED SECTION**
C1.01 SCALE: NTS

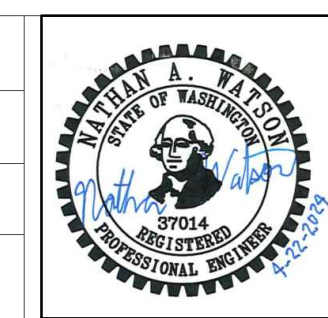
- CONSTRUCTION NOTES**
1. LIMITS OF EXCAVATION
 2. PLACE 6 IN MIN QUARRY SPALL FILTER LAYER, SEE SPECIFICATIONS.
 3. PLACE FILTER FABRIC BETWEEN HEAVY LOOSE RIPRAP AND QUARRY SPALL FILTER SURFACE. FILTER FABRIC SHALL BE KEYED IN AT BOTTOM OF BANK, MINIMUM 12 IN.
 4. START PLACEMENT OF HEAVY LOOSE RIPRAP FROM THE TOE WORKING UPWARDS TOWARDS TOP OF SLOPE.
 5. REVETMENT FINAL GRADE SHALL MATCH EXISTING SIDE SLOPE OF 2:1.
 6. REVETMENT THICKNESS SHALL BE 1.5 TIMES MEDIAN NOMINAL HEAVY LOOSE RIPRAP DIAMETER, SEE SPECIFICATIONS.



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ADDENDUM #2		5/23/24	RT	DESIGNED	DATE	5/23/24	CHECKED	SS
				DRAWN	DATE		FIELD BOOK	
				DRAWING NAME				
				C1.02_STORMWATER OUTFALL SECTION.DWG				



CITY OF TACOMA
ENVIRONMENTAL SERVICES DEPARTMENT
FOSS SHORELINE RESTORATION - OUTFALL 230A REPAIR PROJECT
STORMWATER OUTFALL SECTION

SPEC. NO.	ES24-0056F
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C1.02	
SHEET	4 OF 4

BID SET