



CITY OF TACOMA
POWER GENERATION ENGINEERING

ADDENDUM NO. 02

DATE: September 29, 2021

REVISIONS TO:

Request for Proposal Specification No. PG21-0626N

Cushman #1 Right Abutment Access Road Remediation

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 TECHNICAL PROVISIONS:

*Section 02010 Page 1 – Remove (strike through) “**Site Pollution and Erosion Control (PECP)**”*

Section 03320 adding Geotextile language

REVISIONS TO THE PLANS:

Replace Plan sheets BP-308 and BP-309

REVISIONS TO THE PROPOSAL PAGES:

Bid Item 4

Change from Lump Sum (LS) to Each (EA)

Adding incidental geotextile work to the bid item.

New Bid Item 8 PLACE AND ANCHOR LARGE WOODY DEBRIS

New Bid Item 9 FORCE ACCOUNT

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. PG21-0626N Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

Patsy Best, Procurement and Payables Manager
Finance/Purchasing Division

Cc: Steve Fairchild, Power Engineer IV
Assistant Generation Manager

4. CONCRETE SEGMENTAL BLOCK RETAINING WALL SYSTEM

A. MEASUREMENT

The work under this bid item will include all labor, materials and equipment to construct the Concrete Segmental Block Retaining Wall System in accordance with the attached plans and specifications.

Work incidental to this bid item shall include labor, material and equipment to place Geotextile in accordance with the attached plans.

B. PAYMENT

Measurement will be per ~~lump sum (LS)~~ **each (EA)** and payment will be made for the ~~lump sum~~ **each** bid price in accordance with the attached plans and specifications.

5. QUARRY SPALL AND 1-2 MAN TOE ROCK

A. MEASUREMENT

The work under this bid item will include all labor, materials and equipment to construct the Toe Rock Erosion Control in accordance with the attached plans and specifications.

B. PAYMENT

Measurement will be per ton (TON) and payment will be made for the ton bid price in place in accordance with the attached plans and specifications.

6. GRAVEL BACKFILL FOR WALLS

A. MEASUREMENT

The work under this bid item will include all labor, materials and equipment to construct the Quarry Spall Backfill in accordance with the attached plans and specifications.

B. PAYMENT

Measurement will be per ton (TON) and payment will be made for the ton bid price compacted in place in accordance with the attached plans and specifications.

7. PLACE AND GRADE EXCAVATED SOILS

A. MEASUREMENT

The work under this bid item will include all labor, materials and equipment to construct the Place and Grade Excavated Soils in accordance with the attached plans and specifications. After installation of Concrete Segmental Retaining Wall System and Quarry Spall Backfill contractor shall use all excavated soils to grade and re-widen road per the attached plans and specifications.

B. PAYMENT

Measurement will be per lump sum (LS) and payment will be made for the lump sum bid price in accordance with the plans and specifications.

8. FORCE ACCOUNT, PER LUMP SUM

A. MEASUREMENT

The work under this bid time will include all labor and equipment to the Concrete Segmental Block Retaining Wall System in accordance with the attached plans and specifications. Move and plan large woody devirs (City provided woody material) to be anchored in accordance with the attached plans and specifications.

9. FORCE ACCOUNT, PER LUMP SUM

A. MEASUREMENT

Measurement will be made for Force Account in accordance with Section 1-09.6 of the latest edition of the Standard Specifications for Road, Bridge and Municipal Construction of the Washington State Department of Transportation as modified by Force Account Work in the Special Provisions or on negotiated lump sum or unit price change orders added to the contract.

B. PAYMENT

Payment shall be made for change order items added to the contract which shall be treated as a deduct to the force account remaining available.

"Force Account," as listed in the proposal

1.3 FORCE ACCOUNT WORK

This section supersedes Section 3.10, Paragraph C of the General Provisions.

In certain circumstances, the contractor may be required to perform additional work. Where the work to be performed is determined to be extra and not attributed to the contractor's negligence, carelessness, or failure to install permanent controls, it shall be paid in accordance with the unit contract price or by force account.

Such additional work not covered by contract items will be paid for on a force account basis in accordance with Section 1-09.6 of the Standard Specifications or as a negotiated change order with lump sum or unit price items. For the purpose of providing a common proposal for all bidders and for that purpose only, the City has estimated the potential cost of force account work, and has entered the amount in the bid proposal to become a part of the total bid by the contractor. However, there is no guarantee that there will be any force account work.

1.4 NON-PAYMENT FOR REJECTED OR SURPLUS PRODUCTS OR WORK

Payment will not be made for work rejected by the City. Products or work not meeting contract requirements shall be replaced by the contractor at no expense to the City, regardless of the impact to work, schedule or cost.

END OF SECTION

TECHNICAL PROVISIONS

DIVISION 2 - SITE WORK

SECTION 02010 - PROTECTION OF ENVIRONMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This section covers, but is not limited to the following:
 - 1. Conforming to the requirements of permits furnished by others and obtaining other permits required to perform the work.
 - 2. Planning, designing, constructing and maintaining of silt barriers, and stormwater management facilities necessary or required to divert, remove, treat and dispose of water from construction areas in accordance with site Pollution and Erosion Control Plan (PECP) and Water Quality Protection Plan (WQPP).
 - 3. Installing and implementing dust control measures.
 - 4. Handling and disposal of solid wastes.
 - 5. Handling, storage, spill prevention and clean-up of oil and hazardous waste substances.
- B. The contractor shall perform all work necessary to comply with the requirements of permits furnished by others and contractor-furnished permits governing this work.
- C. All work required in this section, including all erosion and sediment control facilities, shall be installed prior to any ground disturbing activity requiring the use of the facilities.
- D. Related work specified elsewhere in this specification may include demolition, earth work, excavation, road work, land clearing, and construction. The contractor must incorporate the requirements of this section for all related sections.

1.2 PERMITS

A. CONTRACTOR-FURNISHED PERMITS

- 1. The contractor shall obtain separate permits or revisions of permits for any activities not covered under permits provided by City of Tacoma.
- 2. The contractor shall perform any and all activities required to obtain the contractor-furnished permits, including contacting respective agencies, filing applications and paying any required application fees.
- 3. The contractor shall obtain permits or permission from owners' of private roads, if used by the contractor.

1.3 SUBMITTALS

A. OTHER ENVIRONMENTAL CONTROLS PROCEDURES

The contractor shall submit for review all procedures for control of job related activities to protect the environment including dust control measures, handling and disposal of solid wastes, oil and hazardous substances handling, storage, spill prevention and clean-up.

- a. Size: 2.5-feet x 2.5-feet x 2.5-feet
- b. Weight: 2,160 pounds
- c. Color: Gray
- 3. ULTRABLOCK™ FULL FLAT
 - a. Size: 2.5-feet x 2.5-feet x 5-feet
 - b. Weight: 4,300 pounds
 - c. Color: Gray

2.2.02 ULTRABLOCK™ SEGMENTAL UNIT

- A. Use gravel backfill for walls and native materials for wall backfill per plans.

2.2.03 GEOTEXTILE

- A. The contractor shall be required to place woven geotextile between the base coarse and the compacted subgrade. The geotextile shall be Amoco woven fabric 2006 or and engineer approved equal.**

PART 3 CONSTRUCTION

3.1 QUALIFICATION

- A. The contractor and the site supervisor shall have successfully completed several projects including the installation of ULTRABLOCK™ gravity wall systems.

3.2 EXCAVATION

- A. Prior to the beginning of excavation, a ULTRABLOCK™ supplier's representative experienced in ULTRABLOCK™ wall construction shall assist the contractor regarding wall foundation excavation, specifically the preparation of foundation subgrade for design wall batter and other excavation procedures related to subgrade preparation, placement of blocks, and drainage envelope behind the wall.
- B. The contractor shall provide adequate excavation support during construction in accordance with local, state, and federal safety regulations. It shall be the contractor's responsibility to assure site safety during excavation and other construction activities.
- C. The subgrade shall be excavated to meet design requirements shown on grading plans. Excavations shall be made vertically to the plan elevation and horizontally to the designed geogrid lengths so that over-excavation is minimized.

D. Place Geotextile fabric between native and crushed subgrade.

- E.** Start excavation at the lowest wall level. If wall steps up in one block height, the base block should be installed at the lowest level in order to establish grade and face location of the second level.
- F.** Overexcavated or filled areas shall be well compacted, inspected and approved by a City engineer.
- G.** A City engineer shall evaluate and approve excavated materials that are used as backfill in the reinforcement zone. All backfill materials shall be protected from the weather.

3.3 FOUNDATION PREPARATION

- A. Foundation trench shall be excavated to the dimensions indicated on the construction drawings.

 Name of Bidder
PROPOSAL

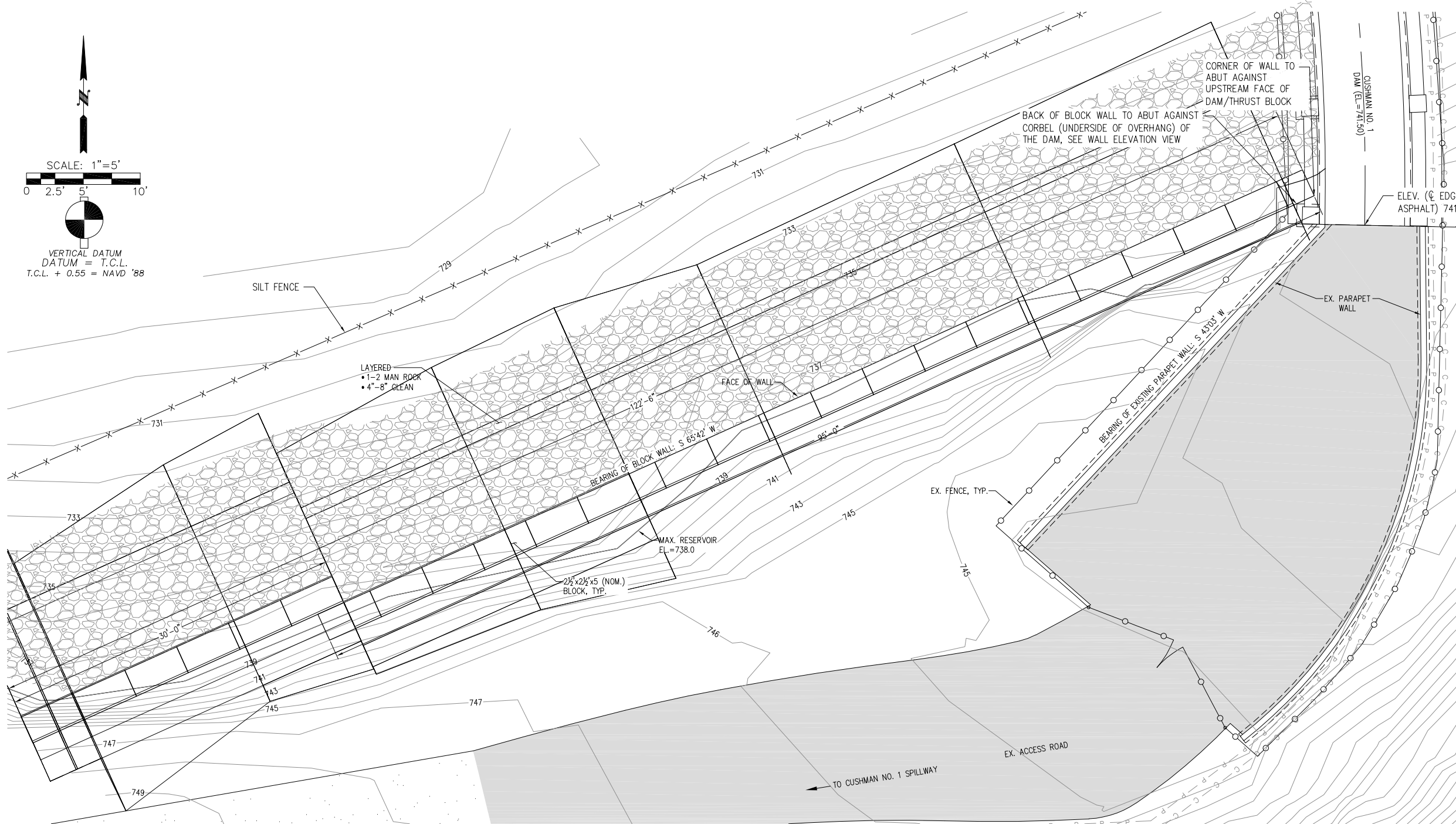
	<u>QUANTITY</u>	<u>BID UNIT</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
<u>ITEM 1</u> Mobilization/Demobilization	1	LS	\$_____	\$_____
<u>ITEM 2</u> Brush and Tree Clearing	1	LS	\$_____	\$_____
<u>ITEM 3</u> Excavation	150	CY	\$_____	\$_____
<u>ITEM 4</u> Concrete Segmental Block Retaining Wall System	60	EA	\$_____	\$_____
<u>ITEM 5</u> Quarry Spall and 1-2 Man Toe Rock	300	TON	\$_____	\$_____
<u>ITEM 6</u> Gravel Backfill for Walls	225	TON	\$_____	\$_____
<u>ITEM 7</u> Place and Grade Excavated Soils	150	LS	\$_____	\$_____
<u>ITEM 8</u> <u>Place and Anchor Large</u> <u>Woody Debris</u>	<u>6</u>	<u>EA</u>	\$_____	\$_____
<u>ITEM 9</u> <u>Force Account</u>	1	CY	\$10,000.00	\$10,000.000

*Bidders shall include the \$_____ figure as part of their overall bid.

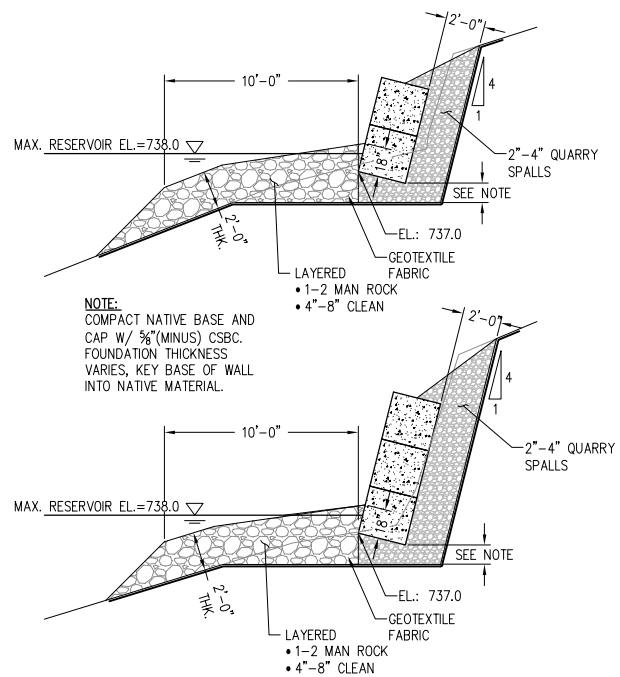
TOTAL ITEMS 1 - 8 \$_____

**Sales Tax @ 8.8% \$_____

TOTAL AMOUNT \$_____

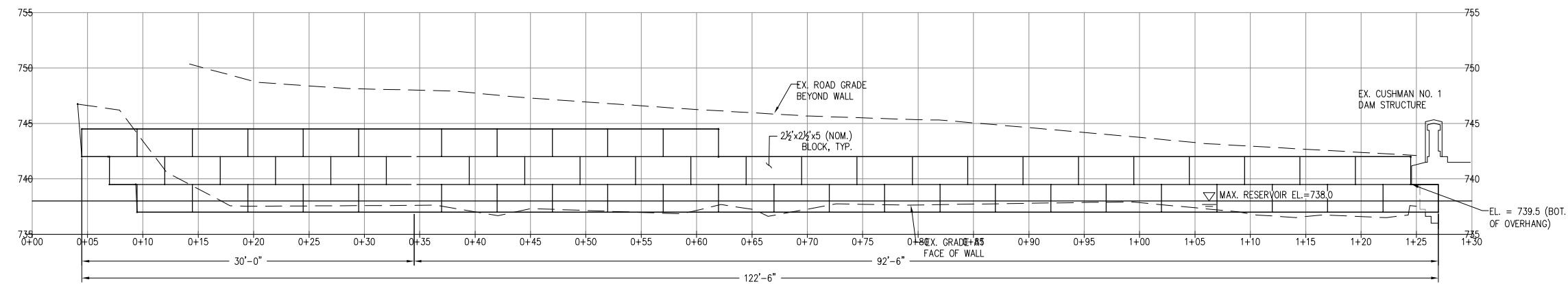


WALL - PLAN VIEW
SCALE: 1"=5'

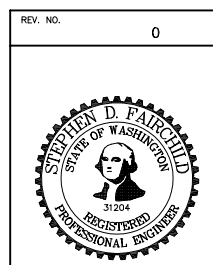


WALL - DETAIL/SECTION VIEWS
SCALE: 1"=5'

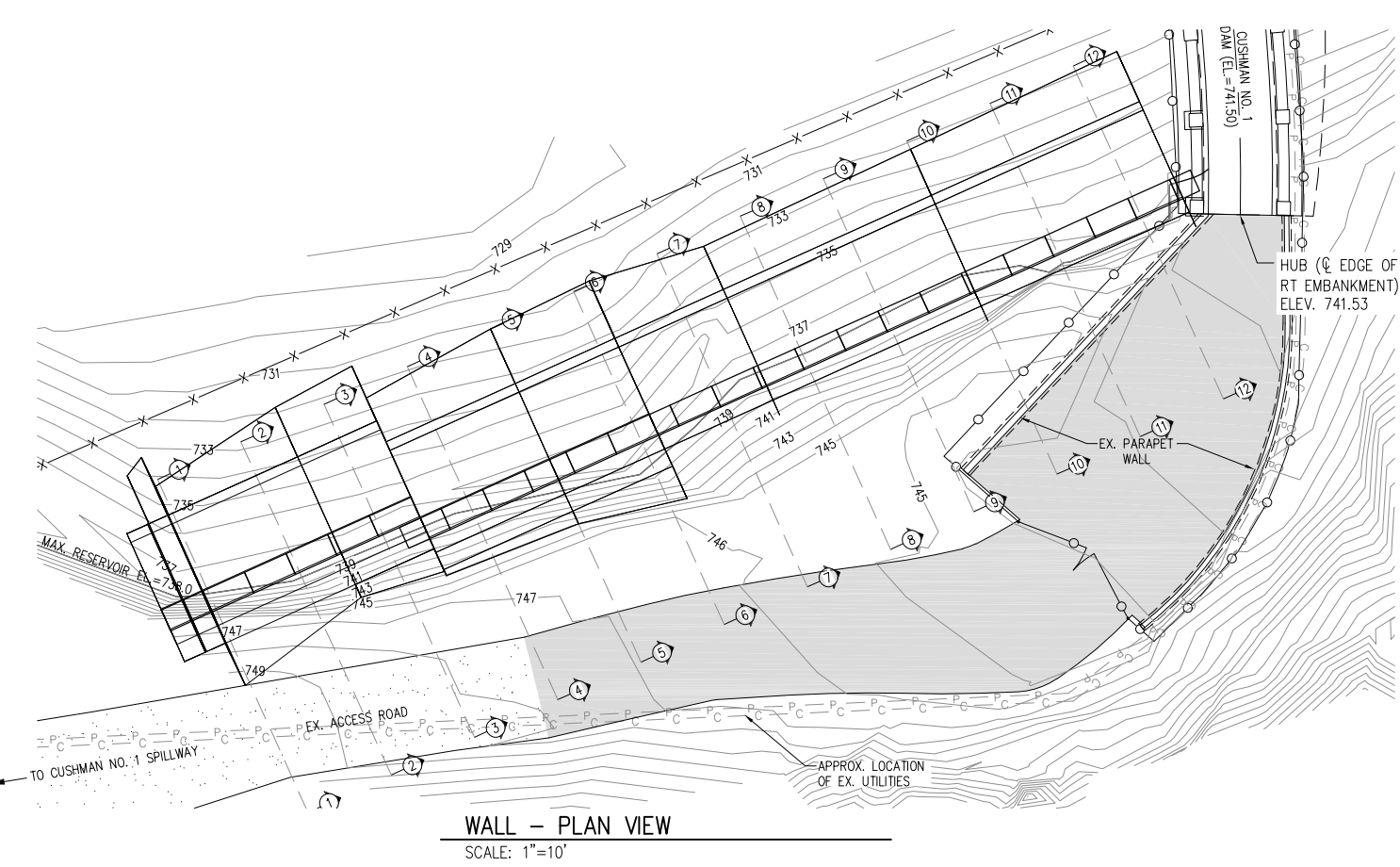
- NOTES:
- ELEVATION AT CL OF ABUTMENT AT EDGE OF ASPHALT 741.53 T.C.L. APPROXIMATE LEVEL OF LAKE CUSHMAN AT TIME OF CONSTRUCTION IS 720 T.C.L.
 - GRAVEL BACKFILL FOR WALLS SHALL MEET WSDOT STANDARD SPECIFICATION SECTION 9-03.12(2)
 - CRUSHED SURFACING BASE COURSE SHALL MEET WSDOT STANDARD SPECIFICATION SECTIONS 9-03.9(3)
 - QUARRY SPALLS SHALL MEET WSDOT STANDARD SPECIFICATION SECTION 9-13.1(5)
 - 1-2 MAN WALL ROCK SHALL MEET WSDOT STANDARD SPECIFICATION SECTION 9-13.7(1)
 - EXCAVATED MATERIAL TO BE USED AS FILL MATERIAL TO WIDEN EXISTING ROAD. EXCAVATED MATERIAL TO BE STORED ALONG EXISTING SERVICE ROAD.
 - CONCRETE BLOCKS SHALL BE SIMILAR IN APPEARANCE AND COLOR. BLOCK WILL HAVE BATTER OF 4V:1H. BLOCK WILL BE PLACES AND 1'-0" COMPACTED BASE OF CRUSHED SURFACING.



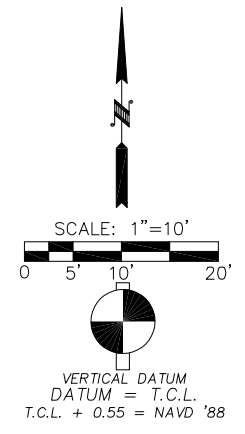
WALL - ELEVATION VIEW
SCALE: 1"=6'



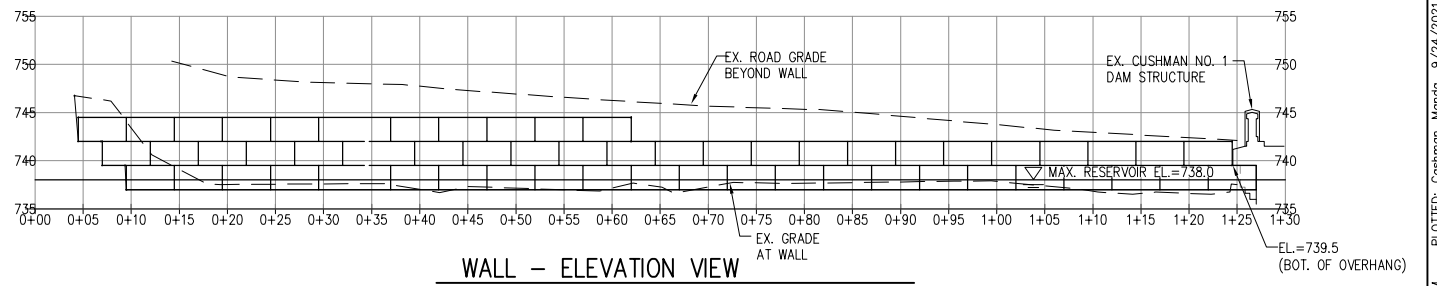
NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	STAMPED
CITY OF TACOMA DEPARTMENT OF PUBLIC UTILITIES LIGHT DIVISION					
CUSHMAN 1 DAM RIGHT ABUTMENT ACCESS RD. EROSION REMEDIATION PLAN & LAYOUT					
REVIEWED			DESIGNED KES	DRAWN JCH	
APPROVED			7/21/21 DATE	STAMPED SDF	
			DRAWING NO. BP308		



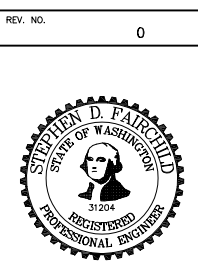
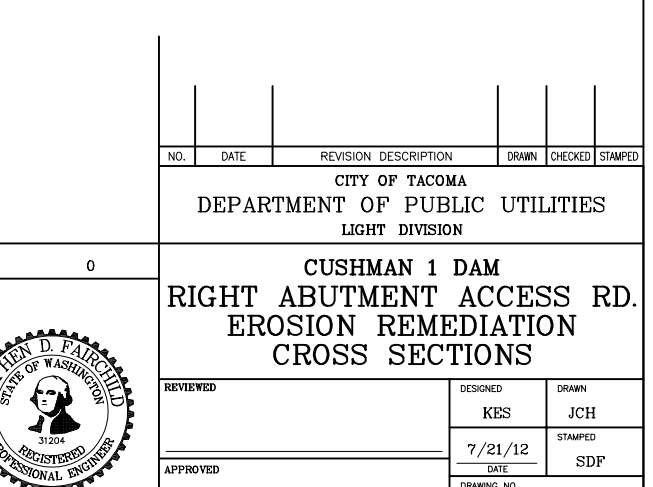
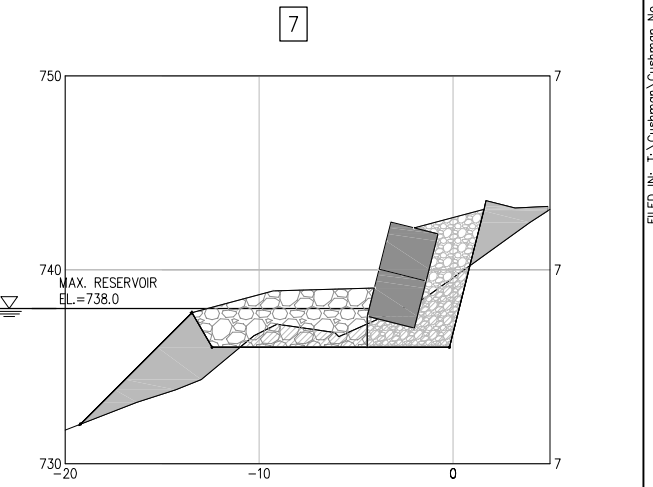
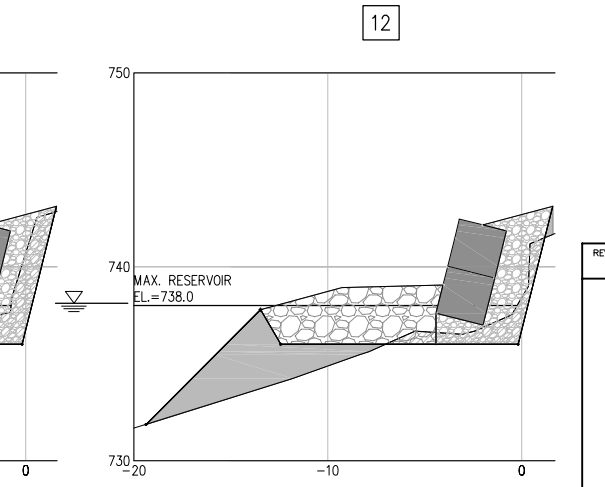
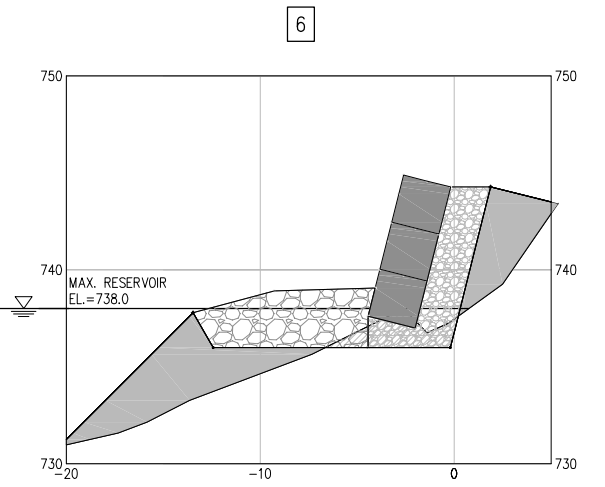
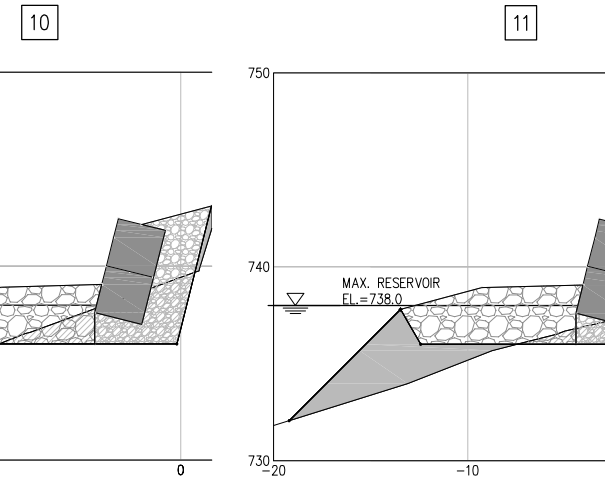
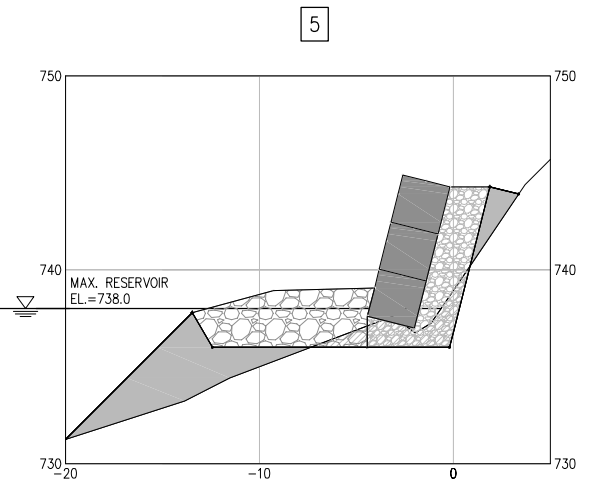
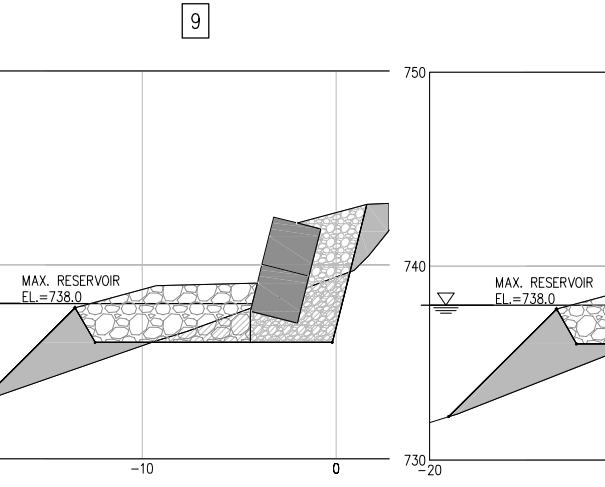
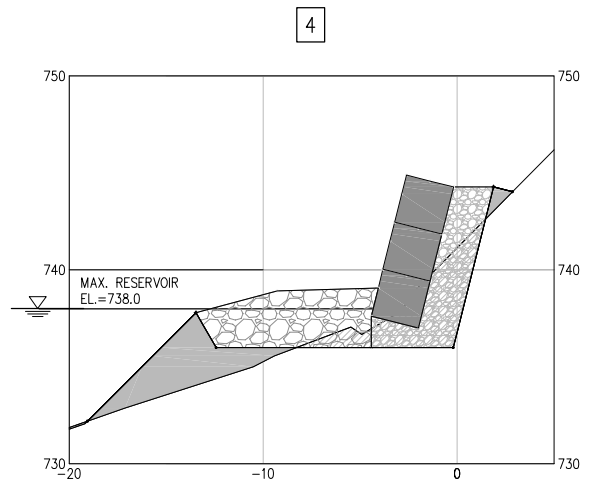
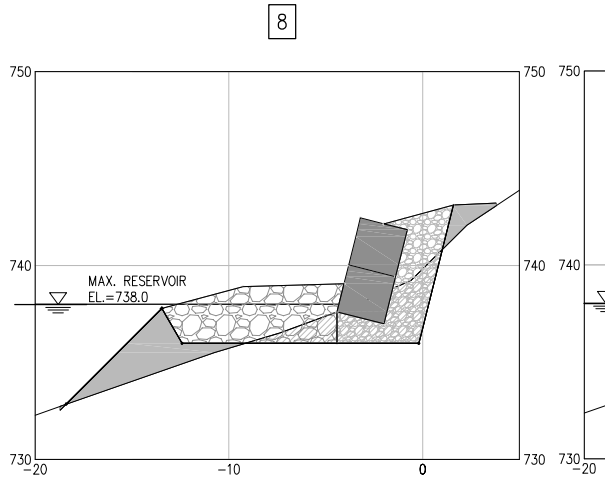
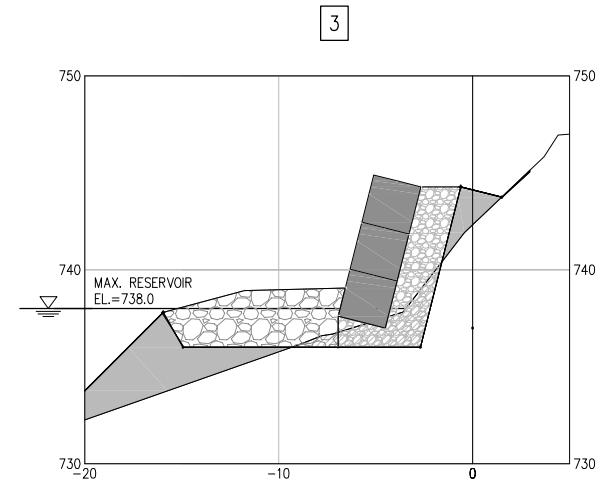
WALL - PLAN VIEW
SCALE: 1"=10'



NOTE:
APPROXIMATE ELEV. OF RESERVOIR AT TIME OF CONSTRUCTION (NOV. 1, 2021) 720.0



WALL - ELEVATION VIEW
SCALE: 1"=10'



NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	STAMPED
CITY OF TACOMA DEPARTMENT OF PUBLIC UTILITIES LIGHT DIVISION					
CUSHMAN 1 DAM RIGHT ABUTMENT ACCESS RD. EROSION REMEDIATION CROSS SECTIONS					
REVIEWED			DESIGNED KES	DRAWN JCH	
APPROVED			7/21/12 DATE	STAMPED SDF	
			DRAWING NO. BP309		