



LINCOLN LANDING SHORELINE & STORMWATER ENHANCEMENT
BID NUMBER: 21-26

ADDENDUM NO. 1

DATE: December 10, 2021

This addendum is for the Lincoln Landing project, Bid No. 21-26, issued November 17, 2021. The document is posted to capture any questions received, and agency answers provided, during the mandatory pre-bid walkthrough that took place on November 30th. Additionally, this document provides any emailed questions from bidders during the open question period.

The addendum shall become as fully a part of the above-named project drawings, specifications, and bid documents. Each bidder shall be responsible for reading this addendum to ascertain to what extent and in what manner it affects the work to be performed. The original RFQ Document, including the submittal deadline remains in effect and is not changed by this Addendum. **All bidders must declare their attendance at the Mandatory Pre-Bid Walkthrough and acknowledge their receipt of this Addendum on Page B4 of the Bidding Requirements, Bid Form.**

I. Notes and Questions received during the Mandatory Pre-Bid Walkthrough

NOTES

- The fill cover over the sewer line in the northeast corner of the site is about four (4) feet currently. Contractor needs to be aware of operating heavy equipment in the area and maintain a minimum cover when regrading the beach.
- There is no permit needed to bypass the sewer flow from the existing manhole (MH 49-1) into the King County manhole (RO8G). The selected Contractor will need to submit a bypass plan prior to installing the bypass. The discharge into the maintenance hole shall be extended to within two (2) feet from the bottom of the maintenance hole. More details on this will be provided to the awarded contractor at the pre-construction meeting.

QUESTIONS AND ANSWERS

1. **Question:** How many gallons per hour are allowed during the sewer bypass?
Answer: The daily estimated wastewater flow on the line is 20,000 gallons per day (GPD). The max estimated flow is 70 gallons per minute (gpm). It is the Contractor's responsibility to design the bypass pumping system as indicated within the plans to meet these estimated design flows.
2. **Question:** Is there flow in the stream? Is there a bypass for the stream?

Answer: The stream has various flows depending on the season. The stream is often nonexistent during periods of dry weather. The contractor is to plan for a temporary bypass channel to adequately handle intermittent flows from seasonal rain showers.

3. **Question:** Can you provide cubic feet per second (CFS) data for the stream?

Answer: No actual stream gauge measurements for flow are available for the stream. The project engineers have calculated the 6-month Peak Runoff to be 15 CFS, and the 2-Year Peak Runoff to be 27.2 CFS.

4. **Question:** How much of the bulkhead will be removed?

Answer: The bulkhead is to be removed in its entirety.

5. **Question:** Does the City know the amount of rebar that's in the bulkhead?

Answer: The City has no records detailing the construction of the bulkhead.

6. **Question:** On sheet D1.01, Demolition Note 6, mentions "encase pipe in CDF to protect existing sewer pipe. Are we encasing the sewer line in CDF and if so, which pipe is this referring to?

Answer: That is a notation error in the plans. There is no need to encase in CDF.

7. **Question:** What is the purpose of adding the new sewer manhole?

Answer: To remove the tee and provide another cleaning access point.

8. **Question:** Will there be any additional pre-bid meetings?

Answer: No one has reached out and requested one.

9. **Question:** What are the exposed lines that run along the west part of the park, down into the lake? Will they pose digging or excavating challenges in that area?

Answer: The City was not able to determine the nature of the exposed lines in time for this addendum. The City will continue investigating and supply any available information to the firm awarded the contract.

10. **Question:** How far do you estimate the grading extends from the shoreline into the lake?

Answer: The beach is to extend 50 feet from the proposed top of bank. Refer to Section A-A on sheet C1.03.

11. **Question:** What is the new storm structure?

Answer: See the response to Question F in the section below for a detailed answer.

12. **Question:** Does the water in the lake go down in the summer?

Answer: Lake Washington is maintained within a 2-foot range between 20.0 feet and 22.0 feet (Corps of Engineers Datum), respectively. The minimum elevation is maintained during the winter months (December to March). Typically, the Lake water surface elevation is raised to its maximum by May of each year. See <https://www.nwd-wc.usace.army.mil/nws/hh/www/index.html#>, for more information.

13. **Question:** Is there excavation below the Ordinary High Water Mark (OHWM)?

Answer: Excavation below OHWM of 21.1' may be required for installation of the new sewer

reconfiguration, demolition of the bulkhead and installation for the beach rock/restoration channel confluence with Lake Washington. Refer to the demolition plan D1.01 for OHW note along the existing bulkhead. Refer to Sanitary Sewer Reconfiguration Plans C3.01 thru C3.02 for pipe invert elevations.

II. Emailed Questions received during the open question period

- A. What is the specification of the liner desired for use in the new watercourse channel? Will a 30 Mil PVC Impermeable liner or a 45 Mil EPDM work in this application?

Response: Either product would be acceptable.

- B. What is the specification of the geogrid desired for use under the channel rocks along the side of the new watercourse channel?

Response: Delete note "GEOGRID TIEBACK, TYP." from section A-A on sheet C2.04. The intent is to extend the geotextile to the exterior limits of the channel rocks.

- C. What depth is desired for the turbidity curtain?

Response: The turbidity curtain is to extend full depth to the lake bottom. See D1.01 for approximate bathymetric contours.

- D. Is an impermeable curtain desired for use or does a permeable curtain that will filter fines from the turbid water as it passes through work?

Response: A permeable curtain, such as this, would be permissible.

- E. Spec Section 35 42 00 -2 2.02 -1i calls for the use of a woven geotextile used for soil retention, and the new typical channel detail calls for a Geotextile for Separation. Would this mean that the geotextile for Separation used in the new watercourse channel needs to meet WSDOT 9-33 Geotextile for Separation, Woven?

Response: The geotextile shall conform to WSDOT 9-33.2 – Table 3 – Non-Woven for Separation.

- F. Please provide drawing detail and specs to include all requirements specific to the New Storm Treatment Vault as noted on Sheet C1.01 at approx. STA 1+82.

Response: Please add the following specification Section 33 44 00 Stormwater Utility Equipment:

2.03 STORMWATER TREATMENT SYSTEM

- A. Stormwater Treatment Systems shall be Modular Subsurface Wetlands Systems (MSDWS) from BIOCLEAR – Environmental Services, Inc.

1. All stormwater treatment systems and appurtenances shall be HS20 load rated.
2. 4x4 Treatment Vault –
 - i. Inlet Pipe: 6" Diameter
 - ii. Outlet Pipe: 12" Diameter
 - iii. Rim Elev: Approx. 38.9 ft (MLLW)
 - iv. Offline Treatment Flow Rate: 0.03 CFS
 - v. Bypass Flow Rate: 0.3 CFS

- G. Plan pages C1.01 & C2.01 both show a new storm treatment vault, and the payment schedule talks about one as well (Bid item A-6, Site Works), but I don't see any details or specifications in the plans, and I also don't see anything in the project specifications as well. Can we please get a detail & specification for this storm treatment vault?

Response: See the response to Question F above for a detailed answer.

- H. Plan page C2.01 shows a run of trench drain, and there is a detail for it on C2.03, but I don't see anything in the specifications for it. What size/width is this trench drain, what material do you want (fiberglass or polymer concrete), and do the grates need to be ADA and/or heel safe?

Response: Please add the following specification Section 33 44 00 Stormwater Utility Equipment:

2.03 TRENCH DRAINS

- B. Concrete: Per SECTION 03 30 00 – CAST-IN-PLACE CONCRETE.
- C. Concrete Reinforcement: Per SECTION 03 20 00 – CONCRETE REINFORCEING.
- D. PRE-CAST TRENCH DRAIN CHANNEL
 - 1. Product: 4” Wide PolyDrain® by ABT®, Inc. or approved equal shall be used. The product must be compatible for fit up with the trench drain frame.
- E. GRATE AND FRAME:
 - 1. Product: ADT Reinforced Perforated Heel-Proof Grate or approved equal. The same frame and grate shall be used throughout the project.
 - 2. Materials:
 - i. Ductile Iron.
 - ii. HS20 Load Rated
 - iii. Grating must be non-slip and ADA compliant
- F. TRENCH DRAIN CATCH BASIN
 - 1. Product: Catch basin “Part 2900” by ABT®, Inc. or approved equal shall be used.