



North Valley Landfill Cell 1 Liner Installation – Bid Questions

This information is hereby attached to and made part of the Bid Request Documents

May 3, 2017

Question 1: Regarding detail DT-08 on sheet 5. Is the detail correct showing (2) layers of 60 mil HDPE Textured HDPE (primary and leachate)? There will not be any geonet in between the (2) liner layers to create air space? Also, there is no drain net over area 4?

Answer 1: Detail 8 is correct – no drain net between the 60-mil HDPE layers. Just double liner not leachate collection and detection system. No drain net on area 4 is correct.

Question 2: What is the Engineers estimate?

Answer 2: The Engineers estimate will not be made available.

Question 3: When would you like to see construction begin?

Answer 3: The Bid/Contract documents specify that work is to be completed on or before September 15, 2017. Bidders are to fill out a schedule with the bid package to show they can meet this requirement.

Question 4: Does this bid include the closure of the current landfill?

Answer 4: No, the current landfill will be closed years from now.

May 4, 2017

Question 5: In regards to the pipe perforation detail (DT-12) sheet 5, what is the specified size of each hole? Is there any flexibility in the perforation pattern?

Answer 5: The holes should be 3/8 inch. There is some flexibility in the hole pattern, as long as there are holes on all sides of the pipe and are evenly distributed along the length and circumference of the pipe.

May 8, 2017

Additional clarification to Question 5: If you have questions on a specific pattern please submit the shop drawings for review. See note 5 on Sheet 5 of drawings.

Question 6: Page 8 of 113 of Bid Documents states “it is further understood that the quantities will be increased or as necessary to maximize the benefit of the existing budgets.” When would these changes in quantities occur? Presumably before signing a contract?

Answer 6: Please bid the quantities of HDPE, GCL, and Drain Net listed on the Bid schedule (Revised 5/8/17 per Addendum 1).

Question 7: Pg 63 of 113 of Bid Documents; Section 4.6.02.d calls for the geotextile to be a 6 oz. non-woven polypropylene fabric. SKAPS GE 160, or approved equal. The drawings call out a 8 oz. fabric. Which weight of geotextile is the correct option?

Answer 7: An 8 oz. Needle Punch Geofabric is the correct option. The SKAPS GE 180 would correspond to the 8 oz.

Question 8: Sheet 2 - Under the table there is a note to "Stockpile 4,400 CY along toe of the slope". It doesn't appear that the quantity for the stockpile is included in the 48,600 CY quantity for soil cover?

Answer 8: The 4,400 CY stockpiled along the toe was included in the 48,600 CY originally listed in pay item # 10. However, there was an error in the volume shown and the total soil amount is not that high. Soil will be placed in three ways within Area 2:

- 1) 3-ft thick over the entire floor (~35,187 CY)
- 2) 4,400 cy stockpiled at the toe of the area 1 slope
- 3) On the opposite side of the cell from the stockpile as part of the liner termination in the cell floor (See DT-10 on Sheet 5)

The total volume of soil placed/stockpiled is just under 41,400 CY (see Revised Bid Schedule). This includes the liner termination on the west slope of Area 1, and liner termination on the floor of Areas 2, 3 and 4 which includes a diversion berm for surface water control.

Question 9: Sheet 2 – The calculations for the GCL/HDPE/Drain Net for the square footage needed for the anchor trenches appears to be a multiple of 6-ft whereas the details on sheet 5 (DT-01 & DT-09) show 7-ft of liner for the anchor (3' on the flat and 2'+2' in the trench).

Answer 9: The table on Sheet 2 and the Bid Schedule have been updated to reflect the multiple of 7 (see Addendum 1).

Question 10: Sheet 5 – Notes 2 & 3 call for the 36" Cover Soil to be placed by others and the subgrade prep by others but isn't that work all part of the contractors scope in this project?

Answer 10: The placement of soil cover and preparation of the subgrade are included within the contractor's scope of work, see pay items # 10 and # 2 respectively. Please see Addendum 1; the referenced notes were removed.

Question 11: Sheet 5 – DT-10 – Can you clarify the locations/length of the 36" Diversion Berms? It doesn't appear that the quantity of cover soil needed to construct these berms is included in the cover soil bid quantity.

Answer 11: The 36" diversion berm shown in DT-10 is located along the east edge of Area 2 where Area 2 is not adjacent to Area 3, and along the south edge of Area 3 and 4. Approximately 1,800 ft of berm, DT-10 has been modified slightly so that the berm requires approximately 1 CY of soil per foot of berm, 1,800 CY of soil will be required for DT-10 as shown.

Question 12: Sheet 5 – Note 5 calls for the gravel around the leachate pipe to be “round”. Does that mean that no crushed or fractured rock will be allowed? Rounded river gravel is going to be quite expensive.

Answer 12: No crushed or fractured rock will be accepted. All gravel around leachate pipe to be rounded material meeting the gradation specified on sheet 5.

END OF QUESTIONS