

**1400 North at 600 West
Intersection Improvement Project
Questions and Answers
10/24/2019**

Question 01

In the earthwork summary sheet shows the cuts, fills, over ex, roadway ex, and borrow.

EARTHWORK SUMMARY SHEET									
LINE	STATION		LENGTH FEET	CUT CU YD	FILL CU YD	OVER EXCAVATION CU YD	ROADWAY EXCAVATION CU YD	BORROW CU YD	REMARKS
	FROM	TO							
1400 N	24+37.43	45+59.44	2122.01	1105	8800			6229	
TOTAL				1,105	8,800	13,924	15,029	6,229	

These quantities do not match up with the bid items. How are these quantities being calculated and how do they correlate with the bid item quantities?

Additionally, the typical sections shows the soft ground to be removed and replaced per the Geotech report. The Geotech report states that if soft areas are encountered to be excavated and replaced with structural fill with separation fabric and possibly geotextile on top of the separation fabric. There is no mention as to depth except for the when the exposed fill subgrade should be scarified to a depth of 12". With this being said, how do we determine or bid how much of soft subgrade excavation, fabric, geotextile, or scarification should be done? Are these quantities correlated with the earthwork summary sheet somehow?

Response 01

These items are addressed in Addendum #2

Question 02

- What is the thickness required for the 30 Inch Steel Pipe and 48 Inch Steel Pipe?
- Please provide detail on jack and bore for items 84 and 85

Response 02

- Yes. We will include the UPRR license agreement for the bores with the addendum. We will also include exhibit A for the other bores as it has been submitted to UPRR.
 - The above-referenced documents are included in Addendum #2
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Question 03

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- a) Bid Items #75,78,81 - Plans do not call for specific type of pipe. What is required?
- b) Bid Item #86 – Plans call out for vertical elliptical 14" X 23" RCP. Is this a typo or is this what is required for clearance of a utility? Should this read Horizontal Elliptical?
- c) Sewer manhole 4 – plans call for a 48" manhole with 2 ea. 18" holes and 1 ea. 8" hole. Should this be a 60" manhole? Typically a 3-way is a 60" mh in Logan.

Response 03

- a) Items #75, 78, and 81 are the drainage pipe pay items and can be any material that meets APWA standards for pipes.
 - b) Item#86 is intentionally a vertical elliptical to avoid utilities.
 - c) MH-4 should remain a 48" manhole. The connection to the north is being eliminated due to a conflict with the 60" pipe. There is a note calling to abandon the north pipe on sheet DR-4. See Addendum #2 Sheet UT-4 with updated notes to abandon existing sewer lateral at main.
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Question 04

- Site Clearing / Topsoil Removal – there is not an item for this
- Landscape Removal – there is not an item for this

Response 04

Removal should be included in the roadway excavation pay item (item #24). This is clarified in Addendum #2

Question 05

- a) Could you please identify how many LF of both undeveloped and developed filtration swale is required rather than a total LF?

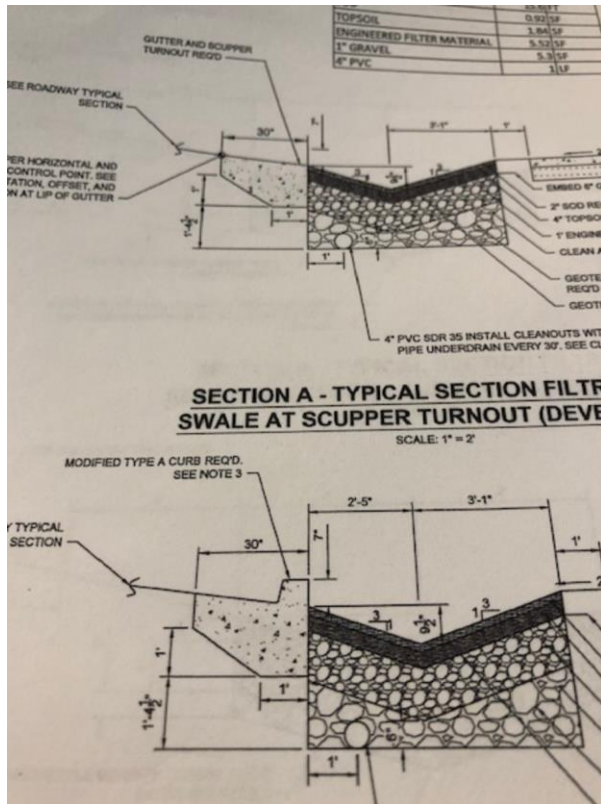
Response 05

- a) The filtration swale along 600 West will all be undeveloped. The filtration swale along 1400 North will be developed. The items are separated and quantified in Addendum #2
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Question 06

Can this curb be squared off on the bottom on sheet DD-1



Response 06

The curb at the swales is allowed to be squared off as long as the depth of curb extending below the top of the upper swale edge is equal to or greater than the depth shown in the details. The front face of the curb (facing the roadway/asphalt) shall be formed vertical for its entire depth. Cost for extra formwork and for additional concrete shall be borne by the contractor.
