



INSPECTOR'S DAILY REPORT

City of Lake Forest Park - Staunton Cove Short Plat

Daily Information	
Inspector's Name:	Michael Maranan Date: 10/12/2016
Inspector's Shift Hours:	8 a.m. to 5 p.m. - Periodic
Weather:	a.m.: 35±°F, mostly cloudy p.m.: 61±°F, mostly cloudy
Prime Contractor:	Universal Land Construction Company
Representative & Title:	Mike Johnson, Project Manager
Contractor's Work Activity	
Location of Work:	Site (18623 40th Place NE)
Description of Work:	Construction of On-Site Storm Drainage Conveyance System

Inspection			
Time	What was inspected?	In Conformance?	Comments / Action
-	Storm drainage	-	<ul style="list-style-type: none"> The 48-inch diameter type-2 structures for CB-2A and CB-3 were installed. <u>The location of CB-2A was moved closer to CB-3 to avoid adding a very short spool between the two structures.</u> The constructed storm line is comprised of 12-inch ribbed PVC pipes.

Inspection	
Diary	
Time	Discussion
7:40 AM - 3:40 PM	<p>Approximate time of arrival on site was 7:40 AM. Craig Thompson (foreman, Universal Land) with six other workers were on site.</p> <p>The following equipment were used for the storm drainage construction:</p> <ul style="list-style-type: none"> Deere 470G track hoe Deere 135G track hoe with compaction plate attachment Deere 544K loader <p>The Deere 225D track hoe was also working over the stockpile material for haul-off.</p> <p>The following were observed:</p> <p>7:40 AM - The crew was planning to pump water from the trench and discharge into the installed storm drainage system at CB-7. Inspector informed that the water was too turbid to be discharged into the storm line. They were later directed to discharge it back and contain it into the site's temporary sediment pond. The foreman added sandbag to contain more of the discharged dirty water prior flowing out onto the on-site swale. The swale diverges and ends in gopher holes in front of the silt fence, and so the surface water infiltrates on site.</p> <p>11:50 AM - The base structure for CB-3 was placed. CB-3 is a 48-inch diameter type-2 structure, as depicted on the approved plans.</p> <p>12:30± PM - Workers took lunch for a half hour.</p>



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- 1:30 PM - Three 4-foot, one 2-foot midsections and the top of CB-3 were placed. Apart from the connecting pipe to CB-7, grout over exterior holes for CB-3 was not applied at this time.
- A temporary 12-inch riser was placed a few feet northeast of CB-3 for future trench dewatering demands.
 - A crack/spall was located at the northwest bottom of the uppermost 4-foot midsection. **10/13/16 update: cracked area and pickholes were grouted.**
 - Contractor proposed placing CB-2A closer to CB-3 to avoid additional placement and connection of an approximately less than 0.5 feet length of PVC spool between the two structures. CB-2A is a 48-inch diameter type-2 StormFilter structure, as depicted on the approved plans. It already has a built-in stub provided for by the manufacturer. The pipe crew will only need to cut the "funneled section" as appropriate to provide the required 12-inch diameter outlet. Inspector coordinated with PACE and the developer's engineer, LDC (Mark Vilwock, P.E.), if this was acceptable. **10/13/16 update: Both PACE and LDC accepted the proposed field modification with no exceptions taken.**
- 2:50 PM - The base structure for CB-2A was placed.
- 3:40 PM - The foreman had already provided cones along the site frontage, and also added stakes and "CAUTION" tapes in front of the deep trench by the roadside that they intend to temporarily cover with steel plates. Inspector left the site.

The following TESC items have been noted:

1. **Discharge:** No discharge.
Approximate amount of precipitation since last inspection: 0.00 inch*
Approximate amount of precipitation in the past 24 hours: 0.00 inch*
* Based on nearby rain gauge as recorded by King County.
2. **Construction Entrance:** OK.
3. **Perimeter protection:** OK.
4. **Tree protection:** OK.
5. **Silt fence:** OK.
6. **Inlet protection:** OK.
7. **Stabilization of exposed soils:** OK.
8. **Dust control:** OK.
9. **Source control:** OK.

The storm drainage pipes used were 12-inch diameter ribbed PVC pipes as per the approved materials submittal. These pipes comply with the 2009 King County Washington Surface Water Design Manual as adopted by the City of Lake Forest Park.

Pea gravel was used as pipe bedding material and structure base material; native material was used as trench backfill material, which was also accepted by the ESNW field technician. The bedding material was compliant with the 2016 Standard Specifications for Road, Bridge and Municipal Construction by WSDOT. Proper depth and cover within the pipe zone were also per the WSDOT Standard Plan B-55.20-00.



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Subject: Storm Drainage Construction

Location: Site

Comment:

- (1) Water in the trench was too turbid to be pumped into the already installed storm line. The temporary pond was used to contain the trench water.
- (2) From left: A temporary 12-inch PVC riser was installed for future dewatering purposes; small crack outside the CB-3 section (red arrow), and; base of CB-2A placed as close to CB-3 as possible (inside the trench safety box).



(1)



(2)

Michael Maranan

(Inspector's Printed Name)

Signature

10/12/2016

Date