



# INSPECTOR'S DAILY REPORT

City of Lake Forest Park - Staunton Cove Short Plat

Daily Information	
Inspector's Name:	Michael Maranan <span style="float: right;">Date: 11/2/2016</span>
Inspector's Shift Hours:	8 a.m. to 5 p.m. - Periodic
Weather:	a.m.: 52±°F, rain p.m.: 57±°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 Detention System

Inspection			
Time	What was inspected?	In Conformance?	Comments / Action
-	Detention system for storm	-	• A 96-inch CMP 20-footlong section was added to each of the three recently installed east end sections.

Inspection	
Diary	
Time	Discussion
9:00 AM - 2:00 PM	<p>Approximate time of arrival on site was 9:00 AM. Craig Thompson (foreman, Universal Land) with five other workers (pipe crew) were on site; 2 third-party flaggers were on the street frontage.</p> <p>The following equipment were used for the storm drainage construction:</p> <ul style="list-style-type: none"> <li>▪ Deere 470G track hoe</li> <li>▪ Deere 544K loader</li> <li>▪ Deere 605C track loader</li> <li>▪ Deere 135G track hoe (with compaction plate attachment)</li> </ul> <p>The Deere 225D track hoe was also working over the stockpile material for haul-off.</p> <p>The following were observed:</p> <p>9:00 AM - Excavation for the construction of the next three sections of detention pipes was ongoing.</p> <ul style="list-style-type: none"> <li>- A pump was used inside the recently installed temporary well casing for dewatering the trench. The well casing with pump is located southeast of the detention system. The discharge point is also a temporary well casing located closer to the north of CB-2A and CB-3 structures. The pumped water eventually gets conveyed back to the City's existing conveyance system on CB-6 (see approved plans), and the pumped water appeared slightly cloudy at this point. Inspector discussed the concern with the foreman and also plans to coordinate with the developer's CESCL on whether the turbidity of the pumped water is acceptable to discharge onto the existing stormwater system.</li> </ul>



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- 10:40 AM - Sweeper truck was seen cleaning the street frontage. Dump trucks were also coming in and out of the site to import and export material.
- 11:00 AM - The middle section was added to the already installed east end section of the detention system. The pipe-to-pipe connection was typically rubber-gasketed prior to tightening the CMP bands.
- 11:20 AM - The southern section was added. The crew observed uniform clearance between pipes. The foreman also checked the elevations of pipes using a grade board.
- 11:50 AM - The developer's CESCL (Sam Suruda, Earth Solutions NW field technician) was on site. Inspector discussed the dewatering concerns observed earlier. The dewatering pump was already turned off at this time; no sample was available.
- 12:50 PM - The northern section was added. Afterwards, pea gravel was added up to the spring line of the pipe, then sand was added up to the pipe zone before backfill and compaction of crushed rock commenced.
- Sweeper truck was seen cleaning the street frontage.
- 2:00 PM - More dump truck traffic was observed at this time. Backfill and compaction continued. The CESCL and the PACE inspector left the site.

The following TESC items have also been noted:

1. **Discharge:** No discharge - surface water was infiltrating on site.  
Approximate amount of precipitation since last inspection: 0.43 inch\*  
Approximate amount of precipitation in the past 24 hours: 0.43 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 96-inch diameter CMP. 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; sand was used as pipe zone backfill material. Crushed rock was used over the pipe zone as backfill material. The materials were 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 for metal pipes.

*Michael Maranan*

(Inspector's Printed Name)

Signature

*11/2/2016*

Date

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Subject: Storm Detention System

Location: Site

Comment:

(1) Three 20-footlong sections were installed today for the construction of the storm drainage detention system.



(1)