



# 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: 11/7/2016</span>
Inspector's Shift Hours:	8 a.m. to 5 p.m. - Periodic
Weather:	a.m.: 58±°F, overcast p.m.: 65±°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	-	<ul style="list-style-type: none"> <li>Last Friday, a 96-inch CMP 20-footlong section was added to the west of each of the three rows.</li> <li>Another 20-footlong section and the 10-footlong end section was installed in each row today.</li> <li>The middle end section had shorter stubs. Additional spool and banding materials will be on site tomorrow to connect all three rows at the west end.</li> </ul>

Inspection	
Diary	
Time	Discussion
11:00 AM - 2:30 PM	<p>Approximate time of arrival on site was 11:00 AM. Craig Thompson (foreman, Universal Land) with four other workers (pipe crew) were on site; 2 third-party flaggers were on the street frontage. The PACE inspector was not informed of the storm drainage construction that occurred last Friday: a 20-footlong 8-foot diameter CMP section had been installed in each of the 3 rows. Foreman indicated that they plan to on installing the remaining pipe sections today. Dump trucks were observed coming in and out of the site to haul out the excavated stockpile material.</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 605C track loader</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>11:00 AM - A middle 20-footlong section was placed, gasketed and banded. The pipe-to-pipe connection was typically rubber-gasketed prior to tightening the CMP bands.</p> <p>11:30 AM - The southern section was in place (gasketed and banded). The crew observed uniform clearance between pipes. The foreman also checked the elevations of pipes using a grade board.</p>



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- 12:10 PM - The northern section was in place.
- 12:30 PM - Deere 544K loader was seen unloading steel plates from a delivery trailer.
- Sweeper truck was seen cleaning the street frontage.
  - Water being pumped from the well casing appears clear.
- 12:40 PM - The middle end section was in place.
- 1:10 PM - The southern end section was in place. It was observed that built-in 36-inch stubouts to connect the middle end section to the outer rows was shorter. Foreman later called the supplier to provide spool(s) and additional banding materials to complete the connection. These additional items were planned to be delivered and installed first thing tomorrow morning.
- 1:50 PM - The northern end section was in place.
- 2:00 PM - Sweeper truck was seen cleaning the street frontage.
- All the endpipes were slightly adjusted so that the stubouts align better (both horizontally and vertically) in preparation for tomorrow's final connection.
  - Afterwards, pea gravel was added up to the spring line of the pipe, then sand was added up to the pipe zone before backfill of crushed rock commenced - with the exception of the last, approximately, 30 feet of the western end of the detention system.
- 2:30 PM - Backfill continued. 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: 1.35 inches\*  
Approximate amount of precipitation in the past 24 hours: 0.15 inch\*  
\* Based on nearby rain gauge as recorded by King County.
2. **Construction Entrance:** OK. Sweeper trucks cleaning the street frontage.
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

*11/7/2016*

Date



(1)



(2)

Subject: Storm Detention System

Location: Site

Comment:

- (1) Three 20-footlong sections were installed side-by-side last Friday for the construction of the storm drainage detention system. Another 20-footlong section was added today prior to installing the end sections.
- (2) The pipe clearance between rows were carefully observed – however, the built-in 3-foot diameter stubs in for the middle west end section were shorter than the ones in the middle east end section. The gap was observed to be somewhere between 8 inches to a little over a foot. Final adjustments will be made tomorrow.