



INSPECTOR'S DAILY REPORT

City of Lake Forest Park - Staunton Cove Short Plat

Daily Information	
Inspector's Name:	Michael Maranan Date: 10/5/2016
Inspector's Shift Hours:	8 a.m. to 5 p.m. - Periodic
Weather:	a.m.: 54±°F, partly cloudy p.m.: 62±°F, partly cloudy
Prime Contractor:	Universal Land Construction Company
Representative & Title:	Mike Johnson, Project Manager
Contractor's Work Activity	
Location of Work:	South of the NE 186 th Street Intersection, South of Site (18623 40th Place NE)
Description of Work:	Construction of Offsite Storm Drainage Conveyance System

Inspection			
Time	What was inspected?	In Conformance?	Comments / Action
-	Storm drainage	-	<ul style="list-style-type: none"> Construction was located along 40th Pl NE, south of the NE 186th Street intersection. Two type-1 catch basins were installed - CB-5 and CB-6. The constructed storm line is comprised of 12-inch ribbed PVC pipes. The storm line depicted on the approved plans was modified horizontally and vertically due to conflicts with the existing utilities within the right-of-way.

Inspection	
Diary	
Time	Discussion
10:00 AM - 3:40 PM	<p>Approximate time of arrival on site was 10:00AM. Craig Thompson (foreman, Universal Land) with six other workers were on the 40th Place NE right-of-way working on the storm drainage construction. Besides his crew, there were three 3rd-party flaggers. A representative from Earth Solutions NW (Samuel Suruda, field technician) was also present briefly.</p> <p>The following equipment were used for the storm drainage construction and temporary roadside restoration:</p> <ul style="list-style-type: none"> Deere 225D track hoe Deere 135G track hoe with compaction plate attachment Deere 544K loader Dump trucks x2 Ingersoll Rand DD24 double-drum roller <p>The following were observed:</p> <p>10:00 AM - The existing storm line was already exposed and cut, with 2 conduits exposed east of the line.</p>



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- The base of CB-6 was already in place where the existing storm line was cut. CB-6 is a type-1 structure, as shown on the approved plans.
- Materials on site were observed.
- Foreman reported the following:
 - o The point of connection to the existing storm line has moved approximately 8 feet south due to existing corporation stops located at the approved point of connection. They anticipate to have 0.28' tolerance to provide the slopes depicted on plans.
 - o CB-4 will need to move 2' east of the approved location on plans to avoid the located existing gas line.
 - o CB-8 will need to move 2' west of the approved location on plans to avoid the located existing sewer main line.

The inspector passed the updates over to the reviewer and was reminded to ensure that required minimum pipe slopes will be achieved.

12:00 PM - The sweeper truck cleaned where dirt was tracking on the street.

12:30 PM - Existing waterline was exposed. The storm line was to be installed 0.3' higher, and so the entire right-of-way storm line will have to be constructed at a minimum slope of 0.5 percent slope.

12:50 PM - The inspector coordinated with PACE regarding approval of PVC pipe material between CB-5 and CB-6. The concern was the minimum cover requirements for this type of material. The minimum cover over the pavement is 2 feet. PACE reviewed the approved materials submittal and accepted construction.

1 PM - CB-5 base structure was placed. CB-5 is a type-1 structure, as shown on the approved plans.
- Bill Smith (contractor, superintendent) was on site, briefly.

1:10 PM - An existing copper water service line was in conflict. The contractor raised the existing service line slightly and shaved a few ribs off the top of the storm pipe that was to be connected to the north of the CB-5 structure. Bedding material was placed after pipe placement and grout work outside CB-5.

- Backfill and compaction commenced.

2:50 PM - Contractor was working on temporary patching and street sign restoration.

3:40 PM - Traffic control devices were taken off the street. Inspector left the site.

The following TESC items have been noted:

1. **Discharge:** No discharge.
Approximate amount of precipitation since last inspection: 0.34 inches*
Approximate amount of precipitation in the past 24 hours: 0.18 inch*
* Based on nearby rain gauge as recorded by King County.
2. **Construction Entrance:** Crushed rock was added to most of the construction route on site. Some dirt tracking on the street; sweeper truck performed street maintenance multiple times during the day.
3. **Perimeter protection:** OK.
4. **Tree protection:** Silt fence was used - OK.
5. **Silt fence:** OK.
6. **Inlet protection:** N/A on site.
7. **Stabilization of exposed soils:** Stockpiles were covered in plastic, and exposed areas have been hydroseeded - OK.
8. **Dust control:** OK.



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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 City-adopted Design Manual.

Pea gravel was used as pipe bedding material and structure base material; crushed rock was used as trench backfill material. Both the bedding and trench backfill materials used today were compliant with the 2009 King County Washington Surface Water Design Manual (Design Manual) as adopted by the City of Lake Forest Park.

The flaggers, traffic signs and devices appear to use the WSDOT Plan Reference No. TC1; however, the work area on the southbound lane was closer to middle of the road, and so the northbound lane used for the two-way traffic was pushed further west onto the paved shoulder. The only concern observed with the incoming traffic were a few speeding motorists.

Michael Maranan

(Inspector's Printed Name)

Signature

10/5/2016

Date

City of Lake Forest Park – Staunton Cove Short Plat

Subject: Storm Drainage Construction

Location: 40th Place NE, south of the NE 186th Street intersection

Comment:

Two type-1 structures were installed today: in between an existing pipeline (CB-6) and where the 12-inch-diameter ribbed PVC pipes were installed (CB-5). Multiple existing utilities within the right-of-way were in the way of the storm lines as depicted on the approved plans, and so field modifications were made by the contractor. 40± feet of pipe was installed today.



CB-6



CB-5



More exposed utilities