

CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner: City of West Lafayette, Indiana

Project Name: Western Sanitary Sewer Interceptor – Division V

Contractor: Atlas Excavating, Inc.

The Work performed under this Contract has been reviewed and found to be substantially complete contingent upon the final completion of all the punch list items. The date of Substantial Completion is hereby established as

February 8, 2012

SUBSTANTIAL COMPLETION DEFINED

The stage of construction where, in the opinion of OWNER, the Work is sufficiently complete, in accordance with the Contract Documents, so that the Work can be occupied, placed into service or otherwise utilized by OWNER for the purpose for which it was intended. Substantial Completion may be evidenced by a certificate thereof issued by the ENGINEER and signed by the OWNER.

A list of items to be completed or corrected, prepared by the ENGINEER and verified and amended by the OWNER is appended hereto. The failure to include any items on such list does not alter the responsibility of the CONTRACTOR to complete all Work in accordance with the Contract Documents. The CONTRACTOR shall complete or correct the Work on the list of items appended hereto within 30 days from the above date of Substantial Completion. The responsibilities of the OWNER and the CONTRACTOR for maintenance, heat, utilities, and insurance shall be as set out in the Contract Documents or on the attachment hereto.

Atlas Excavating, Inc.  3/1/2012
CONTRACTOR BY DATE

RECOMMENDED FOR ACCEPTANCE:

Greeley and Hansen  3/1/2012
ENGINEER BY DATE

The OWNER accepts the Work or designated portion thereof as Substantially Complete.

City of West Lafayette  3/2/2012
OWNER BY DATE

**City of West Lafayette
Western Sanitary Sewer Interceptor - Division V**

**PUNCHLIST
February 28, 2012**

The following items shall be addressed to the satisfaction of the Engineer by Final Completion. Final paving (Windsor Drive, Northwestern Avenue, private parking lots) and landscaping restoration are acceptable to be completed at a later date as agreed with the City of West Lafayette.

Item	Description	Date Accepted	Remarks
1.	Install the end structure (ES-01) and remaining 15" RCP storm pipe on Windsor Drive. Ensure positive drainage downstream of the end structure.	2/10/12	
2.	Restore and reset all mailboxes on Windsor Drive.	2/10/12	
3.	The grade adjustment at MH-22 on Windsor Drive is off center with the manhole structure below and restricts access into the manhole. Correct this top grade ring adjustment.		To be completed in April.
4.	The ladder steps in MH-21 are not aligned. Remove the steps from the middle barrel section and installed new steps to provide alignment from the top to the bottom of the structure.	2/14/12	
5.	Complete work for abandoning Windsor LS, Camelback LS, Blackbird LS, including plugging the discharge ends of the forcemains.	2/17/12	
6.	Coordinate with Cook Consulting the replacement in the spring of the 1" caliper tree on the Camelback Property.		To be completed in April.
7.	Complete asphalt restoration along the west shoulder of Northwestern Avenue.		To be completed in April.
8.	Complete asphalt restoration on the east shoulder of Northwestern Avenue at MH-06.	2/15/12	
9.	Repair areas of asphalt deterioration due to construction activity along the south bound lane of Northwestern Avenue and Yeager Road.	2/17/12	
10.	Complete work for abandoning sewers and manholes, per Specification 02050. This includes abandoning the temporary tee connection from the existing Yeager Road Sanitary	2/28/12	

City of West Lafayette
 Western Sanitary Sewer Interceptor Division V - Punchlist

11.	The concrete cover at MH-15 is cracked and structurally deficient. Replace the concrete cover.	2/13/12	
12.	At Papa Murphy's parking area, remove temporary cold patch and provide finished asphalt in the spring.		To be completed in April.
13.	Correct the alignment of the manhole steps at the middle barrel section in Sanitary Manhole #28. Before beginning the work the method shall be approved by the Engineer and in accordance with Section 02509.	2/13/12	
14.	Provide manufacturers certificate for proper installation of the Vortex Insert per Specification 11399 1.4.A.3.	2/20/12	
15.	At Blackbird LS, the end of the culvert in the driveway is damaged. Restore the culvert to the original condition.	2/16/12	Ditch is not draining.
16.	In lieu of several provisions for Engineers Field Office as required Section 01500 Paragraph 1.13, furnish two Apple I-Pad Tablets (Model 32GB 3G MC 774LL/A, by AT&T, Wi-Fi, black, with case).		
17.	At 1145 Windsor the transition of the concrete approach to the existing asphalt drive is too steep where automobiles could bottom out. Remove and replace the concrete approach increasing the depth of the approach by two feet.		Complete next week.
18.	Provide sewer marking posts for unimproved areas per Specification 02550 Paragraph 3.2.L.1	2/16/12	Waived.
19.	Restore the fencing, lawn and landscaping at the Camelback Properties to the written satisfaction of the property owner.		Lawn restoration in April.
20.	Coordinate the replacement of the removed oak tree with Blackbird Farms.		To be completed in April.
21.	Clean out all debris from all catch basins, storm manholes and sanitary manholes. Also remove excess asphaltic material from grade rings.	2/17/12	
22.	At the Carlisle \Windsor intersection sanitary manhole rings and castings are off center restricting access to the ladder stairs. Correct the alignment of the rings and castings to optimize access to the manhole stairs.		Make corrections before final paving in April.

City of West Lafayette
 Western Sanitary Sewer Interceptor Division V - Punchlist

23.	The casting at Sanitary Manhole #22 on Windsor Drive is damaged. Replace the casting.		Make corrections before final paving in April.
24.	Complete the backfill at the End Section of the storm sewer at Windsor Drive.		To be completed in April.
25.	In the spring remove all erosion control measures such as stone check dams, inlet protection, and silt screens.		To be completed in April.
26.	Remove concrete splatter on stairs in Existing Sanitary Manhole-A which is a result of benching the flow line.	2/22/12	
27.	The culverts at the west end of Windsor Drive have collected construction sediment and loose gravel from check dams. Remove the sediment and gravel from these the culverts restoring positive flow.	2/17/12	
28.	The finished elevation of Sanitary Manhole #4 on Northwestern does not match the pavement elevation as required in the profile drawings on sheet G4. Adjust the height to match finished pavement.	2/28/12	
29.	Complete grading the gravel around Sanitary Manhole #5 on Northwestern Avenue to match the temporary shoulder elevation.		To be completed within next two weeks.
30.	The finished casting elevation at Sanitary Manhole#15 is in the spring line of the ditch at Northeastern Avenue. Provide 12" of grade rings to raise the finished elevation above the spring line. Also, complete the external chimney seal.	2/16/12	
31.	Complete the flow line in Sanitary Manhole #6.	2/16/12	
32.	Provide flow line in relocated Sanitary Manhole #18 on Northwestern Avenue which serves the Masonic Building.	2/16/12	
33.	Remove concrete splatter on stairs in Sanitary Manhole #11 located on Yeager Road.	2/22/12	
34.	Remove the temporary by-pass through Sanitary Manhole #10 on Yeager Road; fill the resulting openings and vacuum test.	2/22/12	Pipe capped at MH#10. Vac test not performed.
35.	At all sanitary laterals complete the capping and concrete collars for grassy areas and driveways as required per Specification 02762 Paragraph 3.1.6.		To be completed in April.
36.	Replace the concrete parking slab at Blackbird Farms		Complete next week.

City of West Lafayette
 Western Sanitary Sewer Interceptor Division V - Punchlist

37.	The Bilco hatches at Manhole Structure #28 (Northwestern Athletic Complex, NWAC) are provided with a drainage channel which are currently plugged. Drill drainage weeps in the concrete as necessary without damaging the aluminum frames.	2/17/12	
38.	Turn over the hatch way keys to the City for Manhole #28.		
39.	At the NWAC, complete compacting the backfill and provide final grading. Provide positive grading away from the Manhole Structure #28.		To be completed within next two weeks.
40.	At the Windsor\Carlisle intersection, there is a significant amount of standing water in the gutter and roadway at the southeast radius of the curb. Remove curb through the radius and grade the curb & the catch basin frame as necessary to provide positive drainage.	2/28/12	Complete next week.
41.	On Windsor Drive, cover all rough graded areas with straw.	2/22/12	
42.	On Windsor Drive, remove all gravel and debris from the road, gutters and lawn areas.	2/28/12	Next week.
43.	At Manhole #28 (NWAC), add insertable stairs within the hatchway at 12" on center.	2/22/12	
44.	Sediment from dewatering on Windsor Drive has collected in the box culvert under Northwestern Avenue. Remove the sediment from the culvert.	2/17/12	
45.	The internal drop piping in Manhole #21 on Windsor Drive interferes with the steps. At the top portion of the drop assembly, add a 90-degree fitting and a section of piping to locate the assembly toward the north side of the manhole.		
46.	Coordinate tree replacement on the berm with the Kampen Golf Course.		
47.	Apply cellular grout at the two jack and bore casings in Northwestern Avenue.	2/22/12	
48.	Perform mandrel testing on all sanitary sewers on or after March 19 th , 2012 per Specification 02516 paragraph 3.2		
49.	Transmit record drawings to the Engineer per Specification 01789.		

City of West Lafayette
 Western Sanitary Sewer Interceptor Division V - Punchlist

50.	Provide final wear course asphalt to Windsor Drive. Repair deteriorated areas of the base course asphalt prior to final paving.		To be completed in April.
51.	Complete asphalt paving of the shoulder on Northwestern Avenue		To be completed in April.
52.	The curb is cracked through next to the catch basin on Windsor Drive.		
53.	There are several locations where the curb is chipped along Windsor Drive. Remove loose concrete, clean the surface and restore the damaged areas.		