



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

Public Works Department Engineering Services Division

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MEMORANDUM

TO: Terry Wolterstorff, Public Works Director and Public Works Committee

From: Nicole Lecy, Engineering Project Engineer

Date: February 19, 2013

Re: Infrastructure Acceptance
Promise Road Extension and Offsite Sanitary Sewer Improvements

City File #: DEV12-1077

This letter is to confirm that the Promise Road Extension and Offsite Sanitary Sewer Infrastructure Improvements have been completed, tested, record drawings submitted, warranty surety received and the project can be accepted. See attached spreadsheet identifying that the project has been completed and tested.

Per Rapid City Ordinance 12.04.170(B)

"Infrastructure Acceptance – The Public Works Director shall place on the Public Works Committee agenda an action item recommending acceptance of infrastructure when the project as a whole is ready for acceptance."

Please let me know if there are any questions or need for additional information.

Attachments:

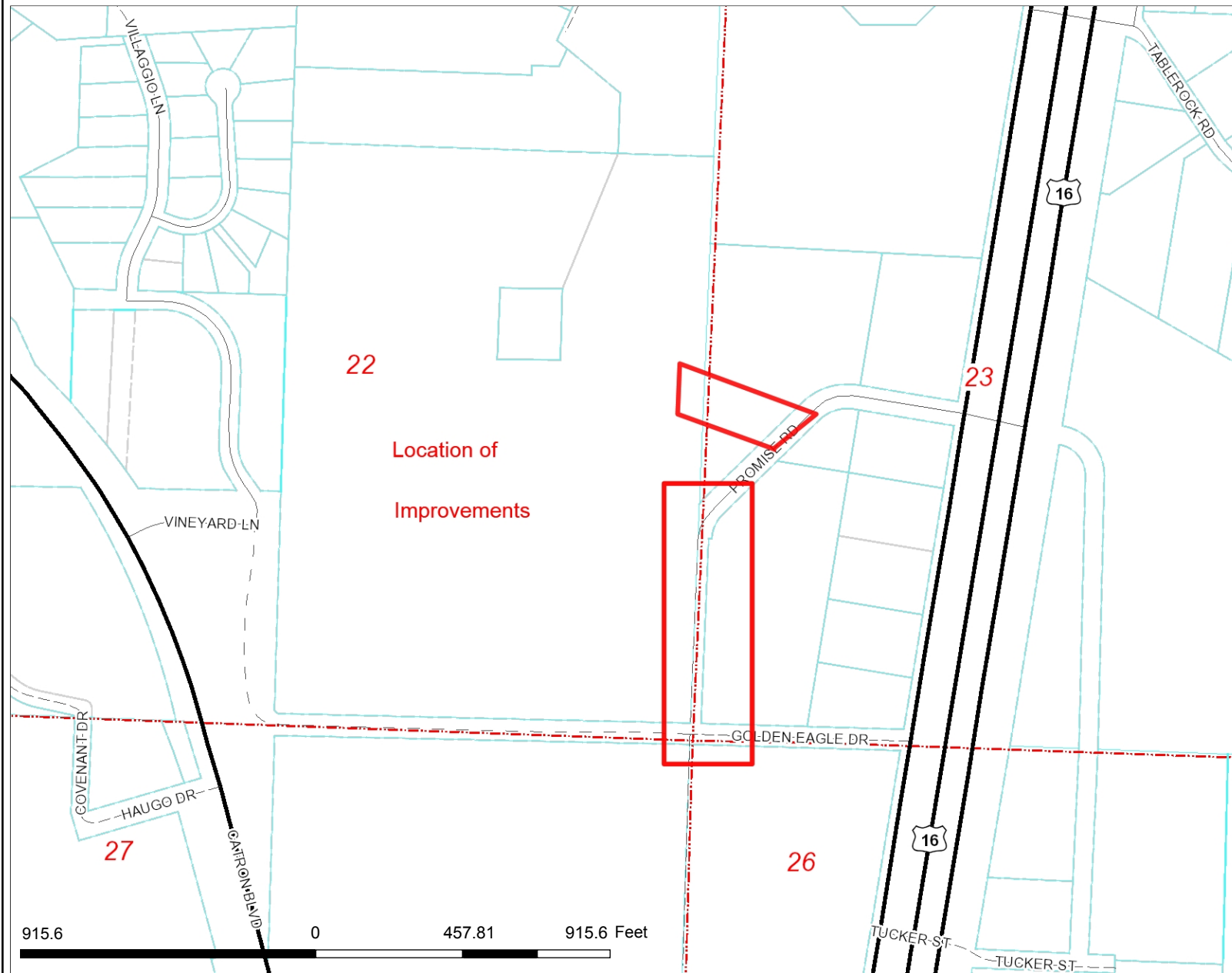
1. Vicinity Map
2. Testing Verification Form



EQUAL OPPORTUNITY EMPLOYER

Legend

- Roads**
- Interstate
 - US highway
 - SD highway
 - County highway
 - Main road
 - Minor arterial
 - Collector
 - Ramp
 - Paved road
 - Unpaved road
 - FS Highway
 - Driveway
 - Paved Alley
 - Unpaved Alley
 - Unimproved road
 - Trail
 - Airport Runway
 - Not yet coded
- Township/Section Lines**
- 0
 - 7
- ☐ Tax Parcels
- Lot Lines**
- <Null>
 - Lot Line
 - Parcel Line
- ☐ County Line



DISCLAIMER: This map is provided 'as is' without warranty of any representation to accuracy, timeliness, or completeness. The burden for determining accuracy, completeness, timeliness, merchantability, and fitness for or the appropriateness for use rests solely on the user. Rapid City and Pennington County make no warranties, express or implied, as to the use of the map. There are no implied warranties of merchantability or fitness for a particular purpose. The user acknowledges and accepts the limitations of the map, including the fact that the data used to create the map is dynamic and is in the constant state of maintenance, correction, and update. This documents does not represent a legal survey of the land. There are no restrictions on the distribution of printed Rapid City/Pennington County maps, other than the City of Rapid City copyright/credit notice must be legible on the print. The user agrees to recognize and honor in perpetuity the copyrights and other proprietary claims for the map(s) established or produced by the City of Rapid City or the vendors furnishing said items to the City of Rapid City.

Map Notes:

INSPECTOR: Kelly D. Bucholz

Specifications	Testing Requirement	Method of Verification	Completed	Comments
Utility Excavation and Backfill (Section 11), Embankment (Section 14)	Compaction testing -- to be taken a minimum of every 200' horizontally and 3' vertically. NOTE: If material changes in the field, contact testing agency to provide new proctor test for material being used.	A minimum number of <u>16</u> tests shall be taken for this project. Testing reports shall be provided at the pre-paving meeting.	<input checked="" type="checkbox"/> yes / no / N/A	18 passing tests
	Undercut or scarify roadway embankment per Geotechnical Report recommendations.	Discuss the proposed means and methods with City inspector prior to construction. City inspector shall verify.	<input checked="" type="checkbox"/> yes / no / N/A	
	A pre-paving meeting shall be held prior to placement of base course	Call City inspector to schedule. Inspector shall verify sub-grade through proof rolling or other means.	<input checked="" type="checkbox"/> yes / no / N/A	witnessed w/ AET on 10-26-12 issues noted and corrected.
Granular Material - Base Course (Section 20)	Base course shall be placed in maximum of 4" lifts	Perform minimum of one compaction test per 4" lift, or as directed	<input checked="" type="checkbox"/> yes / no / N/A	
Portland Cement Concrete Pavement (Section 60)	For sidewalk and curb and gutter, a minimum of one test shall be performed per each day of pouring, or as directed.	Testing shall include slump, air content, 7 day strength (minimum 1 cylinder), 28 day strength (minimum 2 cylinders). Provide results to City inspector prior to project acceptance.	<input checked="" type="checkbox"/> yes / no / N/A	
	For concrete pavement, a minimum of one test shall be performed per 250 LF of pavement or as directed.	Testing shall include slump, air content, 7 day strength (minimum 1 cylinder), 28 day strength (minimum 2 cylinders). Provide results to City inspector prior to project acceptance.	yes / no / <input checked="" type="checkbox"/> N/A	
Asphalt Concrete (Section 31)	Submit a mix design from the batch plant with a standard density (Marshall)	Performed minimum of one (1) non destructive (nuclear gauge) test per 200 tons of asphalt or as directed.	<input checked="" type="checkbox"/> yes / no / N/A	
Water Piping System (Section 8)	High end and low end chlorine - wait at least 24 hrs and no more than 48 hours to flush the line after the high end chlorine concentration is confirmed. The high end concentration is 25 ppm min. After flushing a minimum of 1 ppm or background chlorine concentration shall be observed.	Call city inspector to observe and confirm chlorine concentration. The Discuss the method and location of flushing. City inspector shall confirm the low end chlorine concentration.	<input checked="" type="checkbox"/> yes / no / N/A	
	Pressure testing - test line at 150% of the normal working pressure or the maximum pressure for the class of pipe. For class of pipe for a minimum of 2 hours. The pressure shall not vary by more than 5 psi.	Call city inspector to verify beginning pressure and start time of the test. The City inspector shall witness the pressure at the end of the 2 hours.	<input checked="" type="checkbox"/> yes / no / N/A	
	Coliform bacteria test (2 test) - performed after flushing	Provide test result to City inspector prior to project completion	<input checked="" type="checkbox"/> yes / no / N/A	11-19-12 #1 11-20-12 #2
	Cathodic test station reading	Call City inspector to schedule	yes / no / <input checked="" type="checkbox"/> N/A	
	Inspection of valves	Call City inspector to schedule	<input checked="" type="checkbox"/> yes / no / N/A	# 44483 - work order
	Test tracer wire	Call City inspector to schedule	<input checked="" type="checkbox"/> yes / no / N/A	# 44483 - work order
Sanitary Sewer (Section 9)	Low pressure air test - per specifications	City inspector shall witness	<input checked="" type="checkbox"/> yes / no / N/A	All passed
	Manhole vacuum test - performed per specs and prior to placing casting	City inspector shall witness	<input checked="" type="checkbox"/> yes / no / N/A	All passed
	Pipe deflection testing - 30 days after installation, mandrel test shall be performed	City inspector shall witness	<input checked="" type="checkbox"/> yes / no / N/A	All completed & passed
	TV or Camera pipe	Call City inspector to schedule	<input checked="" type="checkbox"/> yes / no / N/A	DONE OK'd 44484
Storm Sewer (Section 54)	TV or Camera pipe	Call City inspector to schedule	yes / no / <input checked="" type="checkbox"/> N/A	SECTION OF EXISTING CORRECTED WORK ORDER # 44465
General	Submit information for all materials including but not limited to: aggregate materials, pipe, fittings, appearances, etc.; manholes and barrels; signs and posts, erosion and sediment control items.	Submit all materials to the Engineer of Record. The engineer of record shall submit the materials to the City after they have approved them.	<input checked="" type="checkbox"/> yes / no / N/A	12/21/13
THIS LIST IS INTEND FOR GENERAL GUIDANCE, AND IS BY NO MEANS COMPREHENSIVE - FOR DETAILS ON TESTING AND CONSTRUCTION SPECIFICATIONS REFER TO CITY OF RAPID CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2007 EDITION				