



CITY OF RAPID CITY

RAPID CITY, SOUTH DAKOTA 57701

Public Works Department Engineering Services Division

300 Sixth Street

Telephone: (605) 394-4154 FAX: (605) 355-3083

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MEMORANDUM

TO: Dale Tech, Public Works Director and Public Works Committee

From: Mike Wilkening, Engineering Project Administrator

Date: August 17, 2020

Re: Infrastructure Acceptance
East Saint Patrick Street 16-inch Watermain interceptor

City File #: 20-2577

This letter is to confirm that the project East Saint Patrick Street 16-inch Watermain interceptor has been completed, tested, record drawings submitted, warranty surety requested and the project can be accepted.

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.

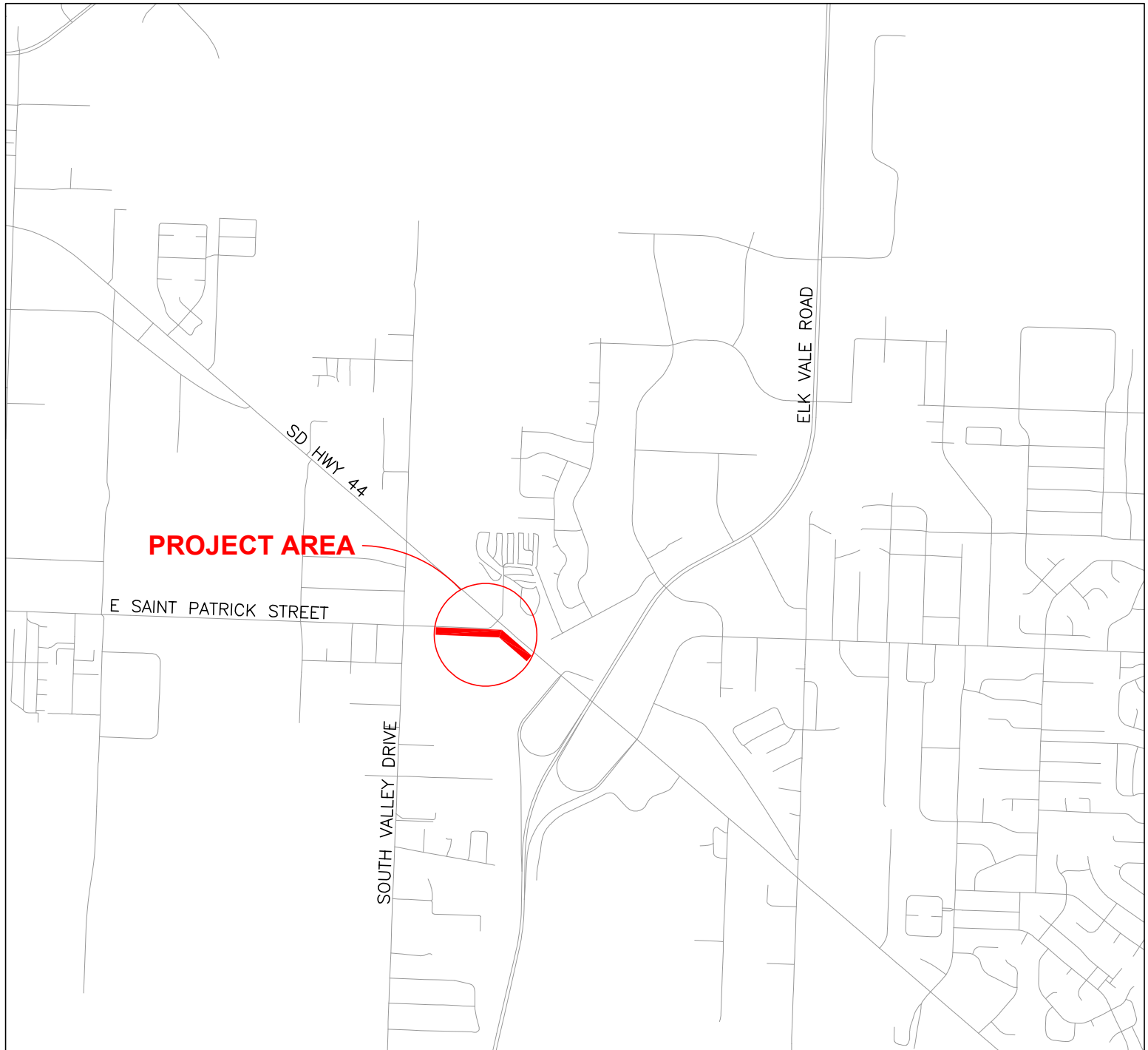
Attachments:

1. Vicinity Map
2. Testing Verification Form



EQUAL OPPORTUNITY EMPLOYER

VICINITY MAP



**E SAINT PATRICK STREET
16-INCH WATERMAIN INTERCEPTOR
PROJECT NO. 20-2577**

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|---------------------|-----------------|--|
| KTM JOB #:16-0824.9 | DEV/CIP #: 2577 | PROJECT NAME: East St. Patrick street 16 inch water main interceptor |
|---------------------|-----------------|--|

| SPECIFICATIONS | TESTING | METHOD OF VERIFICATION | COMPLETE | COMMENTS: |
|---|--|--|----------|--|
| UTILITY EXCAVATION AND BACKFILL SECTION 11 AND EMBANKMENT SECTION 14 | CONTRACTOR TO PROVIDE PROCTORS COMPACTION TESTS TO BE TAKEN PER SPECIFICATIONS | COMPACTION TESTING TO BE TAKEN EVERY 200 FEET HORIZONALLY AND 3' VERTICALY (IF CHANGE IN MATERIAL NEW PROCTOR NEEDS TO BE TAKEN) | XX | |
| | UNDERCUT OR SCARIFY ROADWAY PER GEOTECHNICAL REPORT | SHALL BE OBSERVED | N/A | |
| | FINAL SUBGRADE COMPACTION | PROOF ROLL OF SUBGRADE NEED TO BE OBSERVED | N/A | |
| GRANULAR MATERIAL - BASE COURSE AND GRAVEL COUSION | BASE COURSE TO BE LAYED IN 4" MAX LIFTS | PERFORM ONE COMPACTION TEST PER 4 " LIFT OR AS DIRECTED ALSO PERFORM A PROOF ROLL | N/A | |
| SCHEDUAL A PRE PAVE MEETING PRIOR TO ANY ROADWAY PAVING | | | | |
| PORTLAND CEMENT CONCRETE PAVEMENT SECTION 40, CONCRETE CURB AND GUTTER SECTION 60, CONCRETE SIDEWALK SECTION 61 | FOR SIDEWALK AND CURB AND GUTTER ONE TEST PER DAY OR AS DIRECTED | TESTING SHALL INCLUDE SLUMP, AIR CONTENT,7 DAY STRENGTH (MIN 1 CYLINDER) AND 28 DAY STRENGTH (2 CYLINDERS) | N/A | |
| | FOR CONCRETE PAVEMENT ONE TEST PER 250 LINEAR FEET OR AS DIRECTED | | N/A | |
| ASPHALT CONCRETE SECTION 31 | MIX DESIGN | SUBMIT THE MIX DESIGN FROM BATCH PLANT | N/A | COMPACTION TEST SUBMITTED TO THE CITY OF RAPID CITY |
| | COMPACTION TESTING | ONE NON DESTRUCTIVE NUCLEAR TEST PER 200 TON | XX | |
| WATER PIPING SYSTEM SECTION 8 | HIGH LOW CHLORINE HIGH IS 25 PPM LOW 1 PPM CHLORINE TO SET IN PIPE 24 HRS NOT MORE THAN 48 HRS | HIGH LOW READING NEED TO BE OBSERVED | XX | HIGH WAS OVER 100 PPM LOW WAS AT 1.46 PPM RPID VALLEY WATER IS AT 1.49 |
| | PRESSURE TEST 150% OF WORKING PRESSURE 2HRS | NEEDS TO BE OBSERVED | XX | |
| | BACTERIA TEST 2 TEST A LEAST 24 HRS APART | PROVIDE RESULTS TO ONSITE OBSERVER | XX | SUBMITTED TO THE CITY OF RAPID CITY |
| | CATHODIC BASE READING | NEEDS TO BE OBSERVED | XX | SUBMITTED TO THE CITY OF RAPID CITY |
| | TEST TRACER WIRE | NEEDS TO BE OBSERVED | XX | SUBMITTED TO THE CITY OF RAPID CITY |
| SANITARY SEWER SYSTEM SECTION 9 | PIPE LINE LOW AIR TEST - PER SPECIFICATIONS | NEEDS TO BE OBSERVED | N/A | |
| | MANHOLE VACCUM TEST PER SPECIFICATIONS | NEEDS TO BE OBSERVED | N/A | |
| | T.V OR CAMERA PIPE AND MANDRELL | MANDREL NEEDS TO BE OBSERVED COPIE OF VIDEO TO SITE OBSERVER | N/A | |
| PIPE CULVERT SECTION 54 | T.V OR CAMERA PIPE | NEEDS TO BE OBSEVED | N/A | |
| GENERAL | SUBMIT INFORMATION FOR ALL MATERIALS | SUBMITTALS TO THE CITY | XX | AS-BUILTS SUBMITTED TO CORC FOR REDLINES |
| | SUBMIT THE AS-BUILT PLANS | SUBMIT TO CITY ACCORDING TO THE IDCM | XX | |

ADDITIONAL NOTES: