

NOTE: SEE SHEET 44 FOR PROJECT CONTROL.

ADDITIONAL SANITARY SEWER NOTES:

- MANHOLES/INLETS MANHOLE COATING AND JOINT WRAPS. SECTION 804.4, "MANHOLES/INLETS", ITEM "PRECAST CONCRETE MANHOLES TYPE P".
- REPLACE SECTION (f) WITH THE FOLLOWING:
ALL INTERIOR SURFACES OF PRECAST MANHOLES SHALL RECEIVE A TOWELED OR BROOMED GROUT FINISH TO FILL ANY VOIDS AND IRREGULARITIES PRIOR TO APPLYING EPOXY PAINT. ALL INSIDE SURFACES OF THE MANHOLE THAT WILL BE EXPOSED TO SEWER GASES SHALL BE COATED WITH TWO COATS OF APPROVED EPOXY PAINT. A LIST OF APPROVED EPOXY PAINTS CAN BE FOUND ON THE CITY OF WICHITA WEBSITE AT <http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx>.
- ADD THE FOLLOWING SECTIONS:
j) EXTERIOR MANHOLE WALLS SHALL BE COATED WITH AN APPROVED WATERPROOFING MEMBRANE SYSTEM. A LIST OF APPROVED WATERPROOFING MEMBRANE SYSTEMS CAN BE FOUND ON THE CITY OF WICHITA WEBSITE AT <http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx>.
j) ALL MANHOLES WITH A PIPE SIZE GREATER THAN OR EQUAL TO 15" SHALL HAVE AN APPROVED EPOXY LINING SYSTEM APPLIED TO INTERIOR SURFACES IN LIEU OF THE EPOXY PAINT LISTED IN SECTION (f). A LIST OF APPROVED EPOXY LINING SYSTEMS CAN BE FOUND ON THE CITY OF WICHITA WEBSITE AT <http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx>.
k) ALL MANHOLE SECTION JOINTS THAT WILL BE IN GROUNDWATER OR INSTALLED AT A DEPTH GREATER THAN 12FT SHALL BE WRAPPED WITH AN APPROVED EXTERNAL JOINT SEAL. A LIST OF APPROVED EXTERNAL JOINT SEALS CAN BE FOUND ON THE CITY OF WICHITA WEBSITE AT <http://www.wichita.gov/Government/Departments/PWU/Pages/Regulations.aspx>.
- 1. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH NEW DEVELOPMENT A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
- 2. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- 3. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
- 4. CONNECTING TO EXISTING MANHOLES:
PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING MANHOLES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GRADE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLANS. WHERE CONNECTION TO AN EXISTING MANHOLE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL BORE CUT INTO EXISTING MANHOLE WALL TO MAKE CONNECTION USING APPROVED WATER STOP GASKET, AND RESHAPE THE EXISTING MANHOLE INVERT TO PROVIDE SMOOTH FLOW. THE COST TO CONNECTING TO EXISTING MANHOLES SHALL BE PAID FOR AS "MANHOLE CONNECT TO EXISTING".
- 5. THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE SUBMITTED AND APPROVED BY THE SEWER MAINTENANCE DIVISION (316-268-4073) PRIOR TO STARTING AND BY-PASSING OF SEWAGE FLOWS.
- 7. SANITARY SEWER PIPE AND STRUCTURE REMOVALS ARE NOTED IN THE DRAWINGS. ALL PIPE AND STRUCTURE REMOVAL WILL BE SUBSIDIARY TO "PIPE REMOVED" AND "MH REMOVED". PIPES AND STRUCTURES TO BE ABANDONED IN PLACE ARE ALSO NOTED IN THE DRAWINGS. MANHOLE ABANDONMENT WILL BE SUBSIDIARY TO "MH ABANDONED". ALL PIPE NOTED TO BE ABANDONED IN PLACE IS 8" AND ABANDONMENTS WILL CONSIST OF PLUGGING THE ENDS OF THE PIPE. THIS WORK SHALL BE SUBSIDIARY TO "PIPE, PLUG EXISTING". A SUMMARY OF PIPE AND STRUCTURE REMOVALS AND ABANDONMENTS IS PROVIDED FOR INFORMATION ONLY IN THE SUMMARY OF QUANTITIES SHEET.

ADDITIONAL PAVING NOTES:

1. A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GAL. PER SQUARE YARD BETWEEN EACH LIFT OF BITUMINOUS MATERIAL.
2. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 12 INCHES FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
3. CRUSHED ROCK BASE IS TO BE COMPACTED AN SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF PAVEMENT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.
4. PROPOSED CURBS MATCHING EXISTING CURBS SHALL BE ALTERED TO MATCH THE SHAPE AND DIMENSIONS OF THE EXISTING CURB. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGH SUCH TRANSITIONS.
5. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF THE EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF SURFACE OR PAVEMENT.

ADDITIONAL WATER LINE NOTES:

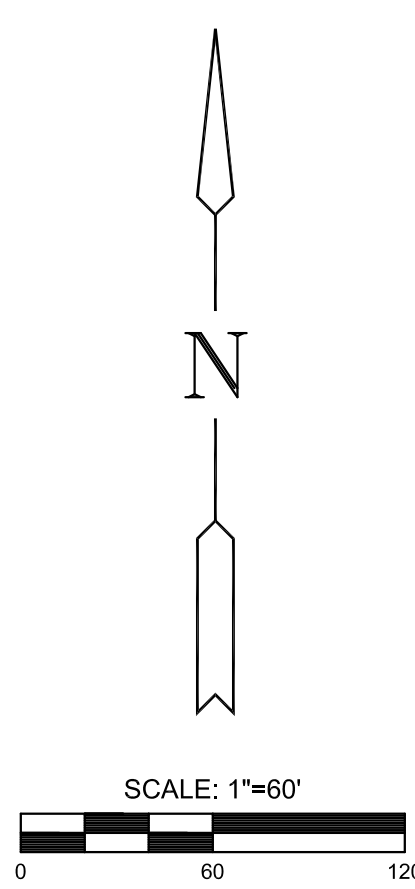
1. OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTIONS SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
2. THE CONTRACTOR SHALL LAY TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101. COST IS SUBSIDIARY TO PIPE INSTALLATION.
3. THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
4. DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURER'S RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE CIMJ LONG SLEEVE OR MULTIPLE JOINTS.
5. ANY EXTENSION GREATER THAN ONE LENGTH OF PIPE SHALL REQUIRE TESTING.
6. ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.

SANITARY SEWER PLANS FOR
17TH STREET SANITARY SEWER
 WICHITA, KANSAS

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KEY MAP & GENERAL NOTES

PROJECT NO.	468-85021	
DATE	MARCH 2015	
SCALE	AS SHOWN	
DESIGNED	DRAWN	CHECKED
JRA	LES	JRA
NO.	REVISION	DATE



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