

GENERAL NOTES

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
or 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SBC (TELEPHONE)	800-870-8390
COX COMMUNICATIONS (CABLE)	262-0661
KANSAS GAS SERVICE (GAS)	832-3101
CITY OF WICHITA WATER & SEWER	262-6000
WESTAR (ELECTRIC)	261-6512
GREG ROY (TOPEKA)	785-575-8167
AQUILA (GAS)	800-303-0357

- CONTRACTOR TO PROVIDE SEVENTY-TWO (72) HOURS ADVANCE NOTICE TO ADJACENT PROPERTY OWNERS AND ADJACENT PROPERTY OWNERS' ASSOCIATIONS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- COST OF EXCAVATION, HAULING, AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUNDS SHALL BE CONSTRUCTED WITH 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.
- ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
- 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 PLAN. 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 OF CONNECTING TO EXISTING MANHOLES IS INCIDENTAL TO THE PROJECT.
- ALL TREES AND SHRUBS, WHETHER ON PUBLIC OR PRIVATE PROPERTY, OR WITHIN UTILITY EASEMENTS OR THE ABANDONED RAIL CORRIDOR, SHALL BE PRESERVED TO THE EXTENT REASONABLY POSSIBLE. NO TREES SHALL BE REMOVED INSIDE OR OUTSIDE THE DESIGNATED WORK AREAS WITHOUT PRIOR APPROVAL FROM THE PROJECT ENGINEER.
- CONTRACTOR SHALL PROVIDE BOTH MANHOLE VACUUM TESTING AND SEWER LINE AIR TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF MANHOLE VACUUM TESTING SHALL NOT BE PAID DIRECTLY AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER PROJECT COSTS. THE COST OF AIR TESTING SHALL BE PAID AS A LUMP SUM BID ITEM.
- CONTRACTOR SHALL LIMIT ACCESS TO THE CONSTRUCTION SITE AND LIMIT WORK ACTIVITIES TO WITHIN THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENT AREAS, UNLESS SPECIFICALLY AUTHORIZED BY THE APPLICABLE PROPERTY OWNER AND PROJECT ENGINEER.

JOB SPECIFIC NOTES

- ALL MANHOLES SHALL BE LINED PER CITY OF WICHITA SPECIFICATIONS. APPROVED LINER SYSTEMS ARE RAVEN405, SAUERREISEN 2105, WARREN ENVIRONMENTAL 5301, OR ZEBRON.
- TRAFFIC CONTROL/STREET CLOSURE - THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ONE LANE OF TRAFFIC IN A NORTHBOUND DIRECTION ON 127TH STREET AT ALL TIMES, EXCEPT FOR A MAXIMUM OF A TWO-WEEK PERIOD WHEN THE CONTRACTOR WILL BE ALLOWED TO CLOSE 127TH STREET COMPLETELY AT THE AREA WHERE SANITARY SEWER LINE 1A CROSSES 127TH STREET. DURING THIS SAME TIME PERIOD, THE CONTRACTOR WILL BE ALLOWED TO SHUT THE EXISTING WATER LINE DOWN SO THE WATER LINE CAN BE REMOVED TO FACILITATE THE SANITARY SEWER LINE CONSTRUCTION, AND THEN RELOCATED AS PER THE CONSTRUCTION PLANS. SHOULD THE CONTRACTOR OPT TO CLOSE 127TH STREET TO MAKE THE SANITARY SEWER CROSSING AND CONSTRUCT THE ASSOCIATED WATER LINE RE-ROUTING IN THIS AREA, SUCH WORK WILL BE REQUIRED TO BE COMPLETED PRIOR TO THE BEGINNING OF THE FALL SCHOOL SESSION AT THE MAGDALEN SCHOOL.
THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE PROJECT ENGINEER. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE SIGNAGE ON 13TH AND 21ST STREETS, BOTH EAST AND WEST OF 127TH STREET, ADVISING EASTBOUND AND WESTBOUND MOTORISTS OF THE PARTIAL AND COMPLETE CLOSURES.
- UPON COMPLETION OF THE SANITARY SEWER LINE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO RESTORE THE EXISTING RAIL BED AREA TO THE CURRENT LINE AND GRADE. THE PLANS CONTAIN A TYPICAL SECTION SHOWING A 4" LAYER OF AB-3 MATERIAL MEETING THE NEW KDOT AB-3 CRUSHED ROCK SPECIFICATION THAT HAS A 4% MAXIMUM ABSORPTION RATE.
- CONTRACTOR SHALL INSTALL WORK SITE/TREE PROTECTION FENCING AS SHOWN ON THE FENCING PLAN AND AS PER THE DIRECTION AND APPROVAL OF THE PROJECT ENGINEER. PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORK ON THE SANITARY SEWER LINE PROJECT. AT THE DISCRETION OF THE PROJECT ENGINEER, THE CONTRACTOR MAY BE ALLOWED TO PHASE THE INSTALLATION OF THE PROTECTION FENCING TO COINCIDE WITH CONSTRUCTION OPERATIONS.
- THE CONTRACTOR MAY USE ALL OF LOTS 11 AND 12, BLOCK 2, REED'S COVE ADDITION FOR STAGING EQUIPMENT AND MATERIALS, AND OTHER CONSTRUCTION RELATED ACTIVITIES, PROVIDED THAT SUCH LOTS ARE STILL OWNED BY THE RITCHIE DEVELOPMENT AND NO HOUSES ARE UNDER CONSTRUCTION ON THESE LOTS. ACCESS TO THESE TWO LOTS SHALL BE VIA THE OLD RAILWAY CORRIDOR UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. IF SUCH LOTS ARE SOLD PRIOR TO OR AFTER BIDDING, THE CONTRACTOR WILL BE REQUIRED TO RESTRICT ALL WORK TO THE TEMPORARY CONSTRUCTION EASEMENT.
- ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT DESIGNATED TO BE SODDED SHALL BE RESTORED BY SEEDING WITH A MIXTURE OF RYEGRASS (APPLIED AT A RATE OF 50 LBS. PER ACRE) AND BUFFALO GRASS (APPLIED AT A RATE OF 200 LBS. PER ACRE). RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOPSOIL PREPARATION, SEEDING, FERTILIZER AND EROSION MAT. ALL SEEDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR6-5, WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. THE SEED SHALL BE WATERED WITH DEEP SOAKING FOR A PERIOD OF 30 DAYS, STARTING WITH THE LAST PLACEMENT OF SEED ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL BLANKET (EXCELSIOR - CURLEX I, OR APPROVED EQUAL) OVER ALL SEEDED AREAS. ALL COSTS ASSOCIATED WITH PERMANENT SEEDING AND EROSION BLANKET SHALL BE SUBSIDIARY TO THE "SITE RESTORATION" BID ITEM.
- ALL TURFED AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE RESTORED WITH FESCUE SOD. SOD SHALL BE PLACED AND ESTABLISHED PER THE CITY OF WICHITA STANDARD SPECIFICATIONS. CURRENT IDENTIFIED TURFED AREAS INCLUDE THE RESERVES AND PUBLIC RIGHT-OF-WAY AREAS ADJACENT TO RESIDENCES IN THE ROCKY CREEK ADDITION, AND LOT 22, BLOCK 2, REED'S COVE ADDITION.
- SOIL BORINGS - FIVE BORINGS WITHIN THE PROPOSED WORK CORRIDOR WERE MADE BY TERRACON IN JUNE AND JULY, 2007. A COPY OF THE TERRACON GEOTECHNICAL REPORT IS INCLUDED IN THE SPECIAL PROVISIONS. THE BORING LOGS INDICATE THAT THERE IS A POSSIBILITY THAT GROUND WATER MAY BE ENCOUNTERED IN A PORTION OF THE CONSTRUCTION TRENCH ZONE. REGARDLESS, IT IS RECOMMENDED THAT THE CONTRACTOR SHOULD MAKE ITS OWN INVESTIGATION OF SUBSURFACE SOIL TYPE AND GROUND WATER CONDITIONS.
- TURFED AREAS ADJACENT TO AND WITHIN THE ROCKY CREEK ADDITION CONTAIN AN UNDERGROUND IRRIGATION SYSTEM. THE IRRIGATION SYSTEM IS MAINTAINED FOR THE ROCKY CREEK MASTER ASSOCIATION BY OR UNDER THE RESPONSIBILITY OF TREE TOP NURSERY AND LANDSCAPING. THE CONTRACTOR SHALL CONTRACT FOR THE TEMPORARY CONSTRUCTION EASEMENT ADJACENT TO RR ROW AND 127TH ST. ROW WITH TREE TOP FOR THE NECESSARY SHUTOFFS, REPAIRS AND REPLACEMENT OF THE IRRIGATION SYSTEM.
- CEDAR TREES - SOME CEDAR TREES ARE AVAILABLE FROM CORNEJO AND SONS PROPERTY LOCATED AT OR NEAR THE SOUTHWEST CORNER OF 21ST STREET NORTH AND 127TH STREET. THE CONTRACTOR MAY WISH TO OBTAIN PART OR ALL OF THE CEDAR TREES REQUIRED TO BE INSTALLED WITH THIS PROJECT FROM THE CORNEJO PROPERTY. THE CONTRACTOR SHOULD CONTACT MARTY CORNEJO AT 522-5100 TO FIND OUT MORE INFORMATION ON THE AVAILABILITY, PRICE AND REQUIREMENTS TO OBTAIN TREES FROM THIS SITE.
- CONTRACTOR SHALL MAINTAIN SANITARY SEWER FLOWS IN ANY EXISTING LINES THAT ARE INTERCEPTED AND/OR RE-ROUTED WITH THIS PROJECT. SPECIFICALLY, EXISTING FLOW FROM THE EAST AT MH 1-3 AND THE FLOW FROM THE NORTH AT MH 1-14 SHALL BE MAINTAINED DURING CONSTRUCTION AND RE-ROUTED THROUGH THE NEW LINE.

SANITARY SEWER BACKFILL

PARALLEL TO 127TH ST. EAST: CRUSHED ROCK SHALL BE USED TO BED THE PIPE AND TO 1 FOOT ABOVE THE TOP OF PIPE. FILL SAND SHALL THEN BE PLACED, FLUSHED AND VIBRATED TO THE BENCH ELEVATION. EXISTING SOIL SHALL BE PLACED AND COMPACTED FROM THE BENCH TO FINAL GRADE. THE SOIL SHALL BE PLACED IN LIFTS NOT TO EXCEED 2 FT. IN THICKNESS.

RAILROAD ROW, EAST OF 127TH: CRUSHED ROCK SHALL BE USED TO BED THE PIPE AND TO 1 FOOT ABOVE THE TOP OF PIPE. EXISTING SOIL SHALL BE PLACED AND COMPACTED FROM THE TOP OF THE ROCK TO 4" BELOW FINAL GRADE. THE TOP 4" SHALL BE AB-3 WHITE ROCK WITH A MINIMUM ABSORPTION OF 4%, TO MATCH EXISTING WIDTH OF RAILROAD BALLAST.

127TH ST. CROSSING: CRUSHED ROCK SHALL BE USED FOR THE FULL TRENCH, TO BED THE PIPE AND BROUGHT UP TO WITHIN 2 FEET OF FINAL PAVEMENT GRADE.

CRUSHED ROCK BACKFILL SHALL MEET THE CITY OF WICHITA STANDARD SPECIFICATION FOR TYPE 1 BEDDING MATERIAL. ALL EXCESS EXCAVATION, AS DISPLACED BY THE PIPE, MANHOLES AND IMPROVED BEDDING SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE. COSTS OF SUCH BACKFILLING AND EXCESS MATERIAL DISPOSAL SHALL BE CONSIDERED SUBSIDIARY TO THE PIPE INSTALLATION AND NOT BE BID OR PAID FOR SEPARATELY.

**ROCKY CREEK
RELIEF SANITARY SEWER**

GENERAL NOTES

SHEET TITLE

468-84218

PROJECT NUMBER

DFL

DESIGN BY

KKL

DRAWN BY

GAR

CHECKED BY

ISSUED

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SHEET NO.

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