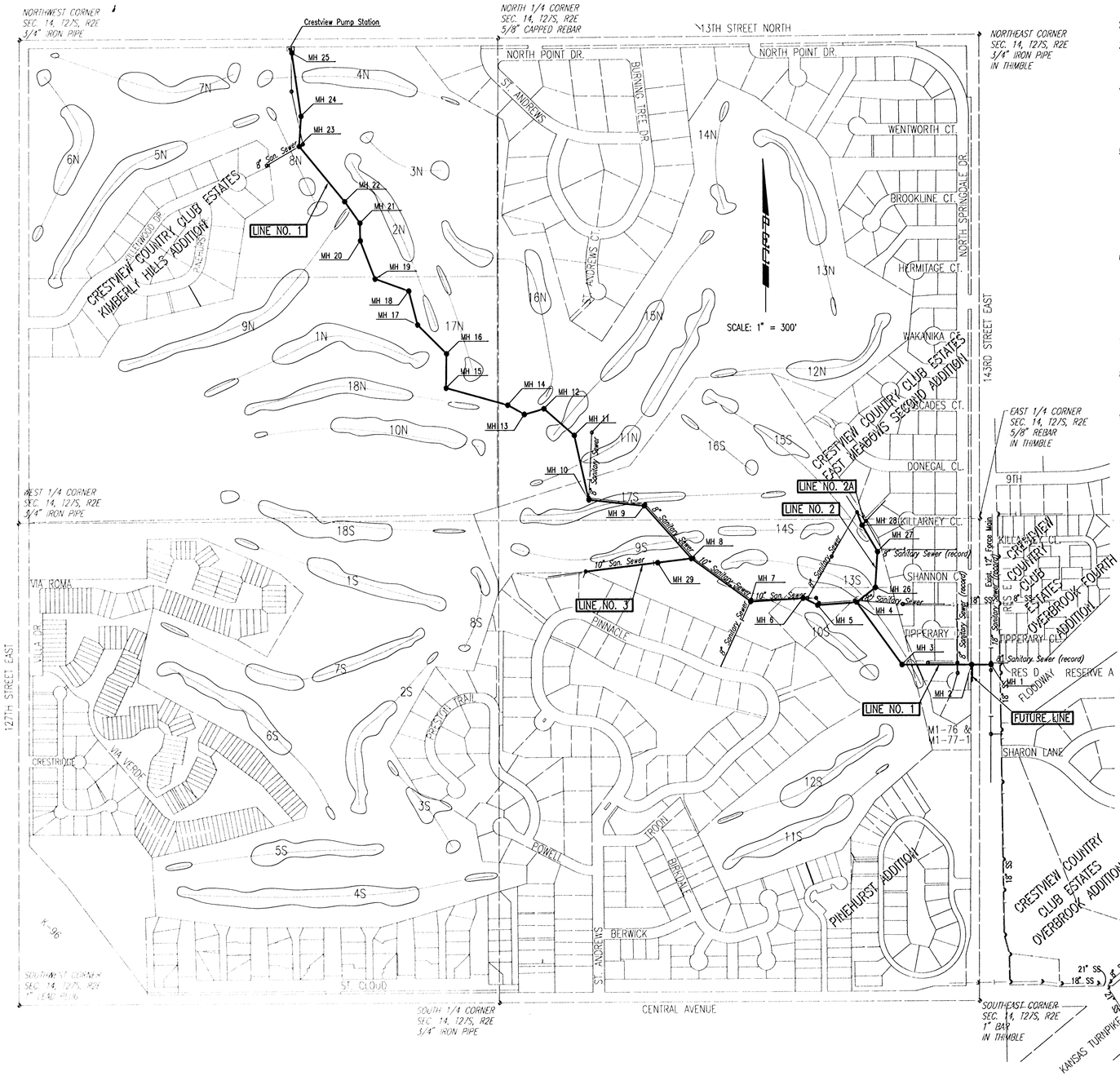

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
2. ALL ELEVATIONS SHOWN ARE BASED ON USGS DATUM.
3. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET. ALL OPEN TRENCHES SHALL BE PROTECTED BY THE USE OF TEMPORARY FENCING.
4. AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE LOCAL UTILITY COMPANIES MARK ANY EXISTING LINES WITHIN THE PROJECT AREA.
5. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR THE DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
6. 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
7. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
8. MANHOLES SHALL BE TYPE "P" MANHOLES. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. MANHOLE DIAMETERS SHALL BE AS SPECIFIED IN THE PLANS.
9. ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION AND SODDING. ALL SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR78 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "LANDSCAPING".
10. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED, TREE TRIMMINGS, AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO 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 WILL 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 MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL
11. THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES OR SHRUBS WHERE POSSIBLE. WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE, HE SHALL COORDINATE SUCH WORK WITH THE ENGINEER. COSTS FOR TREE/SHRUB REMOVAL AND TRIMMING REGARDLESS OF SIZE SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE CLEARING".
12. THE CONTRACTOR SHALL BE AWARE OF UNDERGROUND SPRINKLER SYSTEMS IN THE PROJECT AREA WHICH MAY CONFLICT WITH NEW CONSTRUCTION. SEE SHEETS 14 AND 15 FOR EXISTING IRRIGATION LAYOUT. THE CONTRACTOR SHALL REPLACE ANY DAMAGED IRRIGATION LINES/SPRINKLER HEADS AND CONTROL SYSTEM AND COORDINATE REPLACEMENT WITH CRESTVIEW COUNTRY CLUB MAINTENANCE SUPERINTENDENT. PORTIONS OF UNDERGROUND SPRINKLER SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH UNDERGROUND SPRINKLER SYSTEMS SHALL BE CONSIDERED AS SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "LANDSCAPING".
13. THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
15. CONTRACTOR IS REQUIRED TO MAINTAIN CONTINUOUS FLOW OF SEWAGE IN EXISTING MAINS AT ALL TIMES.
16. THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED AT A MINIMUM RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF SODDING IS REQUIRED IN ACCORDANCE WITH GENERAL NOTE NO. 9 ABOVE. TEMPORARY SEEDING OR PERMANENT SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.
17. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.
18. IN AREAS WHERE FUTURE PAVEMENT IS ANTICIPATED, SUCH AS PARKING LOTS, DRIVEWAYS, AND CART PATHS WHERE SANITARY SEWER TRENCHES OR OTHER EXCAVATED AREAS ARE ADJACENT TO STREET OR ROAD RIGHT OF WAY, THE SANITARY SEWER TRENCH OR EXCAVATED AREAS SHALL BE SAND FILLED AND FLUSHED (JETTED AND VIBRATED) WITH WATER PER THE REQUIREMENTS LISTED IN THE STANDARD SPECIFICATIONS FOR THE CITY OF WICHITA, UNLESS FLOWABLE FILL OR OTHER IMPROVED BACKFILL MATERIAL IS OTHERWISE SPECIFIED. COST FOR SAND FILLING AND FLUSHING SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR PIPE INSTALLATION.
19. THE CONTRACTOR MUST OBTAIN A COPY OF THE APPROVED SEDGWICK COUNTY "UTILITY PERMIT AGREEMENT" FOR "USE OF PUBLIC ROAD RIGHT-OF-WAY" PRIOR TO THE START OF CONSTRUCTION. SEE PROJECT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. PERMIT WILL BE OBTAINED BY THE CITY.
20. EROSION CONTROL (BMP'S)
THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON SHEETS 20-23. THE SANITARY SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL SHOWN THROUGH THE COMPLETION OF THIS PROJECT. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.
21. CART PATHS REQUIRED TO BE REMOVED AS PART OF CONSTRUCTION SHALL BE TEMPORARILY REPLACED WITH CRUSHED ROCK WITHIN 24 HOURS FROM REMOVAL. CRUSHED ROCK SHALL MEET THE REQUIREMENTS OF ASTM-C33 SIZE 67 OR APPROVED EQUAL. SEE SHEET 13 FOR PERMANENT CART PATH REMOVAL REQUIREMENTS.
22. EASEMENTS AND RIGHT-OF-WAY PROVIDED BY THE OWNER FOR THE PROJECT ARE SHOWN IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF ANY ADDITIONAL TEMPORARY CONSTRUCTION EASEMENTS OR RIGHT-OF-WAY THAT HE DESIRES TO USE IN COMPLETING THE WORK.
23. AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL CONTACT RICHARD SPURLIN, CRESTVIEW COUNTRY CLUB GENERAL MANAGER AT (316) 733-1344 TO COORDINATE AND SEQUENCE CONSTRUCTION.
24. THE INTERIOR OF ANY DUCTILE IRON PIPE TO BE UTILIZED ON THIS PROJECT SHALL BE COATED WITH AN APPROVED EPOXY LINING SYSTEM. APPROVED COATINGS INCLUDE PROTECTO 401 AND POLYBOND PLUS, APPLIED AT A MINIMUM THICKNESS OF 40 MILS.
25. BOTH ENDS OF SANITARY SEWER PIPE TO BE ABANDONED SHALL BE PLUGGED WITH A MINIMUM OF 3' LONG CONCRETE PLUGS. STRUCTURES TO BE ABANDONED SHALL BE COMPLETELY REMOVED TO AN ELEVATION OF 4' BELOW FINISHED GRADE. THE REMAINING PORTION OF THE ABANDONED STRUCTURES SHALL BE BACKFILLED WITH FLOWABLE FILL. THE TOP 4' OF THE EXCAVATION SHALL BE BACKFILLED WITH COMPACTED MATERIAL SIMILAR TO THE ADJACENT SURFACE TO 95% OF ASTM D698. MANHOLE CASTINGS SHALL BE DISPOSED OF AS DIRECTED BY THE CITY.
26. ALL TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 6" AND KEPT FREE FROM CONTAMINATION WITH SUBSOIL, AND KEPT FREE FROM ROOTS, STONES, AND OTHER UNDESIRABLE MATERIALS. THE TOPSOIL SHALL BE REAPPLIED UPON COMPLETION OF THE INSTALLATION OF THE SANITARY SEWER. IF SUFFICIENT QUANTITY OF TOPSOIL IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE APPROVED CRUMBLY SURFACE SOIL HAVING CHARACTERISTICS OF SOILS IN VICINITY THAT PRODUCE HEAVY GROWTH OF VEGETATION.
27. PROJECT SPECIFIC REVISIONS HAVE BEEN MADE TO THE STANDARD TYPE 'P' MANHOLES DETAIL SHEET. CONTRACTOR SHALL REVIEW AND COMPLY WITH THESE REVISIONS.

No.	Revision	By	Date

MAIN 17, FOUR MILE CREEK
CRESTVIEW SEWER – PHASE 1

KEY MAP AND GENERAL NOTES

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Designed by	MDK	Job No.	35-02633-3697	Sht. 2 of 23
Drawn by	JGA	Date	JULY 2004	

MICHAEL D. KEVER 13944 7/23/04 KANSAS PROFESSIONAL ENGINEER

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