

BENCH MARKS

BM 1- CHISELED "□" IN TOP OF CURB AT NORTHWEST CORNER INLET ON EAST SIDE BROADWAY ACROSS FROM SMITH MORTUARY.
ELEV.= 1258.81

BM 2- CHISELED "□" ℄ INLET ON EAST SIDE OF BROADWAY @ ±250' SOUTH OF NORTH ENTRANCE TO MOBILE HOME PARK.
ELEV.= 1261.02

BM 3- CHISELED "□" ℄ INLET ON WEST SIDE OF BROADWAY @ ±60' NORTH OF NORTH ENTRANCE TO MOBILE HOME PARK.
ELEV.= 1262.94

BM 4- RAILROAD SPIKE IN WEST FACE OF LIGHT POLE FOURTH POLE SOUTH OF BRIDGE CROSSING FLOODWAY ON EAST SIDE OF BROADWAY.
ELEV.= 1269.68

BM 5- BRASS DISK SOUTHWEST CORNER OF SIDEWALK ON SOUTHWEST CORNER OF BRIDGE CROSSING FLOODWAY ON BROADWAY.
ELEV.= 1275.12

BM 6- BRASS DISK TOP GUARD RAIL ON NORTHEAST CORNER OF BRIDGE CROSSING FLOODWAY ON BROADWAY.
ELEV.= 1278.08

BM 7- CHISELED "□" ℄ INLET ON WEST SIDE OF BROADWAY @ 6603 SOUTH BROADWAY.
ELEV.= 1268.54

BM 8- RAILROAD SPIKE IN EAST FACE OF POWER POLE ON WEST SIDE OF BROADWAY @ NORTHEAST CORNER OF 6533 SOUTH BROADWAY.
ELEV.= 1265.59

BM 9- CHISELED "□" T/C ON SOUTHEAST CORNER OF APPROACH AT NORTHEAST CORNER OF 6445 SOUTH BROADWAY.
ELEV.= 1266.46

BM 10- RAILROAD SPIKE IN NORTHEAST FACE OF LIGHT POLE @ SOUTHWEST CORNER OF BROADWAY AND 63RD STREET SOUTH.
ELEV.= 1268.06

BM 11- CHISELED "□" TOP OF WEST END OF RCP @ 63RD STREET SOUTH AND SUNNYSIDE ROAD.
ELEV.= 1266.59

BM 12- RAILROAD SPIKE IN NORTH FACE OF POWER POLE @ SOUTHEAST CORNER OF 63RD STREET SOUTH AND PLEASANT STREET.
ELEV.= 1265.54

BM 13- RAILROAD SPIKE IN NORTH FACE OF POWER POLE ON SOUTH SIDE OF 63RD STREET SOUTH.
ELEV.= 1265.68

BM 14- STEP NAIL IN NORTH FACE OF POWER POLE AT SOUTHEAST CORNER OF 63RD STREET SOUTH AND COREY STREET.
ELEV.= 1265.37

GENERAL NOTES

1. ALL ELEVATIONS GIVEN IN THE PLANS ARE BASED ON USGS DATUM.

2. AT LEAST 48 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 TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA.

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

SOUTHWESTERN BELL TELEPHONE COMPANY	268-2245
KOCH INDUSTRIES	832-8591
K G & E - ELECTRIC	264-1141
K G & E - GAS	263-7511
GETTY GAS GATHERING	775-6091

3. THE BURIED UTILITIES AS LOCATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL HAVE ALL BURIED LINES LOCATED AND FLAGGED IN THE FIELD PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND REVIEW ALL BURIED LINES LOCATED TO DETERMINE IF CONFLICTS EXIST. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

4. EXISTING UTILITIES AND THEIR LOCATION, 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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

5. THE CONTRACTOR SHALL NOT BURY VALVE BOXES OR FIRE HYDRANTS THAT HAVE ELEVATIONS WHICH ARE LOWER THAN EXISTING GROUND. THE GROUND AROUND SUCH VALVE BOXES OR FIRE HYDRANTS AND ALONG THE WATERLINE ALIGNMENT SHALL BE BACKFILLED TO THE APPROXIMATE ELEVATION OF THE PROPOSED TOP OF CURB ELEVATION SHOWN ON THE PLAN/PROFILE SHEETS. THE CONTRACTOR SHALL PROVIDE DRAINAGE AWAY FROM THESE VALVE BOXES, FIRE HYDRANTS AND WATERLINES BY CONSTRUCTION OF TEMPORARY DITCHES OR SLOPING THE GROUND AS REQUIRED. ALL COSTS FOR THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE INSTALLED BID PRICE FOR VALVES, FIRE HYDRANTS, OR PIPE.

6. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING WATERLINES TO VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS. THE PIPE LOCATIONS SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

7. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING UTILITIES TO VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS. THE UTILITY LOCATIONS SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTIONS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

8. ALL LAWN/TURF AREAS DISTURBED BY THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".

9. THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION TO ADVISE THEM OF THE INTENDED WORK AND PROPOSED SCHEDULE.

   1. CITY OF HAYSVILLE
      MR. RANDY DORNER 524-3701
   2. KANSAS DEPARTMENT OF TRANSPORTATION
      MR. RONNEY CROWELL 744-1271
   3. WICHITA-VALLEY CENTER FLOOD CONTROL
      MR. BOB JENNINGS 268-4095
   4. SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES
      MR. JIM WEBER 383-7901

   ALL REQUIRED PERMITS AND AGENCY APPROVALS MUST BE AQUIRED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

10. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF 10 DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION IN THE VICINITY OF AFFECTED PROPERTY.

11. THE CONTRACTOR SHALL CONTAIN HIS OPERATIONS TO PERMIT TRAFFIC THROUGH AND ACROSS CONSTRUCTION AT EXISTING ROADWAYS AT ALL TIMES. THE CONTRACTOR SHALL ERECT WARNING SIGNS, FLASHING LIGHTS, AND BARRICADES IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES TO ENSURE SAFETY. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET. ALL OPEN TRENCHES SHALL HAVE SAFTEY FENCES ERECTED AROUND THE LIMITS OF THE TRENCH OVERNIGHT OR AT THE DISCRETION OF THE FIELD ENGINEER.

12. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, AND BANKS TO THEIR ORIGINAL SLOPES AND GRADES. WHERE EXISTING ENTRANCE PIPE, DRAINAGE PIPE, SIGNS, FENCES, ETC., CONFLICT WITH THE PROPOSED WORK HEREIN, THEY SHALL BE REMOVED AND REPLACED OR RESET. THE REPLACEMENT OF ALL THE AFOREMENTIONED ITEMS, INCLUDING SEEDING, FERTILIZER AND MULCHING SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING AND RESTORATION".

13. EASEMENTS AND RIGHTS-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.

14. POSITIVE DRAINAGE SHALL BE PROVIDED FOR ALL AREAS ON OR NEAR SPOIL AREAS. NATURAL DRAINAGE WAYS SHALL BE MAINTAINED.

15. 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 BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. 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 LOCATION.

16. THE CONTRACTOR SHALL SUBMIT AN APPLICATION TO THE KANSAS DEPARTMENT OF TRANSPORTATION (KDOT) FOR A "HIGHWAY PERMIT AGREEMENT" FOR "USE OF RIGHT-OF-WAY". COPIES OF THE KDOT APPROVED PERMIT SHALL BE DELIVERED TO THE ENGINEER PRIOR TO BEGINNING ANY WORK WITHIN KDOT RIGHT-OF-WAY (SOUTH BROADWAY). HIGHWAY PERMIT FEES, IF ANY, SHALL BE BORNE BY THE CONTRACTOR. PERMIT FORMS FOR THIS PROJECT ARE AVAILABLE FROM THE KDOT OFFICE LISTED BELOW:

    KANSAS DEPARTMENT OF TRANSPORTATION
    3200 EAST 45TH STREET SOUTH
    WICHITA, KANSAS 67220
    (316) 744-1271
    MR. RONNEY CROWELL

17. THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES WHERE POSSIBLE. WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE HE SHALL OBTAIN THE CONCURRENCE OF THE ENGINEER BEFORE PROCEEDING WITH SUCH WORK.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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. PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL FLAG AND REFERENCE ALL PROPERTY CORNERS THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS, AND VERIFY THESE IN THE FIELD IN THE PRESENCE OF THE ENGINEER AND THE CONTRACTOR'S SURVEYOR. AFTER CONSTRUCTION AND BEFORE THE FINAL INSPECTION, A LETTER SIGNED AND SEALED BY THE LICENSED LAND SURVEYOR CERTIFYING REPLACEMENT OF ALL DISTURBED PROPERTY CORNERS SHALL BE SUBMITTED TO THE ENGINEER.

19. THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION IS SUBJECT TO BE UNCOVERED FOR INSPECTION.

20. WATERLINES SHALL HAVE A MINIMUM DEPTH OF BURY OF 36 INCHES, UNLESS SHOWN OTHERWISE.

21. CONCRETE THRUST BLOCKING SHALL BE INSTALLED AT ALL HORIZONTAL AND VERTICAL DEFLECTIONS OF 11 1/4 DEGREES OR MORE UNLESS OTHERWISE SHOWN. THRUST BLOCKING SHALL BE SIZED AS SHOWN IN THE DETAILS. COSTS FOR CONCRETE THRUST BLOCKING SHALL BE CONSIDERED SUBSIDIARY TO THE UNIT PRICE FOR PIPE IN PLACE.

22. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL VALVE BOX COVERS.

RECORD DRAWING
_____ PROJ. ENG _____ DATE
_____ RES. ENG. _____ DATE

NOTE: WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.

LEGEND

EXISTING WATER MAIN ----------
PROPOSED WATER MAIN ——————
EXISTING WATER VALVE ----|----
PROPOSED WATER VALVE ——|——
EXISTING FIRE HYDRANT ----♀----

No.	Revision	By	Date

CITY OF HAYSVILLE
SEDGWICK COUNTY, KANSAS

KEY MAP

HAYSVILLE EMERGENCY WATERLINE
WATERLINE IMPROVEMENTS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by RRY, MDK	Job No. 34-95676	Sht. 2 of 15
Drawn by JLM	Date October 1995	

DSNR: RFJ OPER: JLM SCALE: 1=300.00
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