

SANITARY SEWER MAIN 20, FOUR MILE CREEK

MONARCH LANDING

Note: Bore extended 10'.
MH 1-11 shifted 10' to the SW.

PROJECT NO. 468-84206

O.C.A # 744195

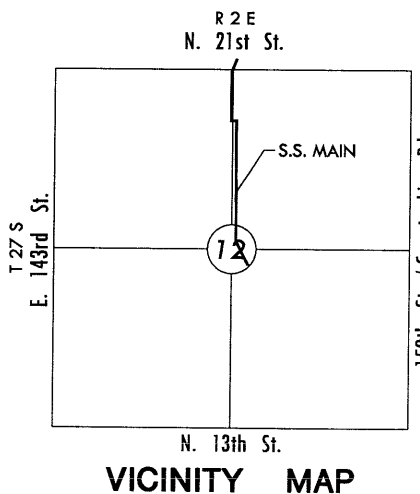
CITY OF WICHITA, KANSAS
JIM ARMOUR, P.E., CITY ENGINEER

INDEX TO DRAWINGS

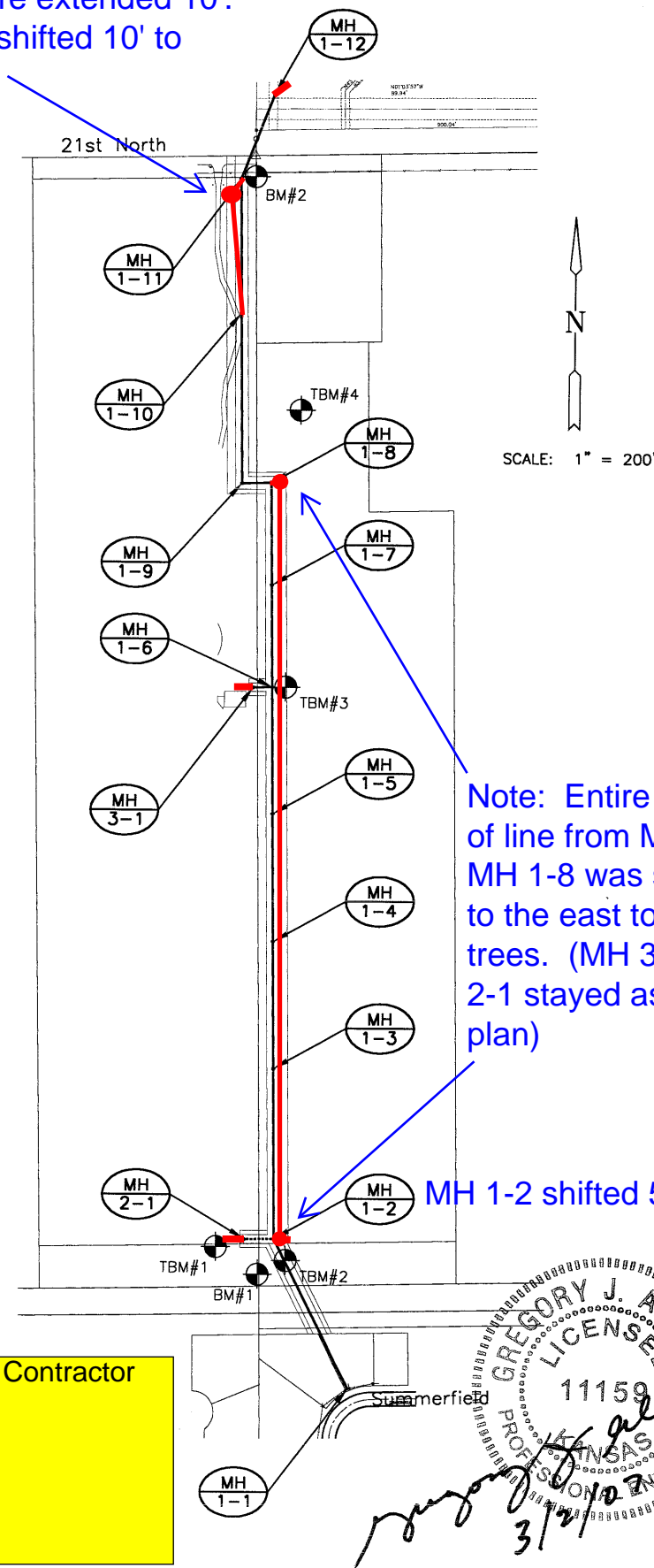
| SHEET NO. | DESCRIPTION |
|-----------|-----------------|
| 1 | TITLE SHEET |
| 2-3 | MANHOLE DETAILS |
| 4-7 | SS MAIN |
| 8-12 | BMP DETAILS |
| 13 | BUBBLE MAP |

BENCHMARKS

| | |
|--------|---|
| BM #1 | Railroad spike in south leg of an H-pole highline structure, 28' North and 4' West of the Center of Sec 12-27S-2E. Elev. = 1355.15. |
| TBM #1 | Top of control point #105, a 5/8" bar with red MKEC Design Point cap, 94' North and 103' West of the Center of Sec 12-27S-2E. Elev. = 1352.16. |
| TBM #2 | Top of control point #106, a 5/8" bar with red MKEC Design Point cap, 60' North and 63' East of the Center of Sec 12-27S-2E. Elev. = 1352.74. |
| TBM #3 | Top of control point #100, a 5/8" bar with red MKEC Design Point cap, 1249' South and 67' East of the North Quarter Corner of Sec 12-27S-2E. Elev. = 1358.25. |
| TBM #4 | Top of control point #104, a 5/8" bar with red MKEC Design Point cap, 598' South and 105' East of the North Quarter Corner of Sec 12-27S-2E. Elev. = 1362.11. |
| BM #2 | Railroad spike in north side of a power pole, 48' South of the North Quarter Corner of Sec 12-27S-2E. Elev. = 1364.78. |



Mies Construction, Inc. - Contractor
Jaso, City - Inspector
Released 8/28/07
As-Built
Stubs
.pdf by JDL 9/21/07



Note: Entire length of line from MH 1-2 to MH 1-8 was shifted 5' to the east to save trees. (MH 3-1 & MH 2-1 stayed as per plan)

MH 1-2 shifted 5' east

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
AQUILA (GAS) 800-303-0357
- CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS ADVANCE NOTICE TO LANDOWNERS PRIOR TO BEGINNING CONSTRUCTION.
CRAIG AND RITA SCHULTZ 316-733-4064
MICHAEL AND BARBARA MURPHY 316-733-8400
- 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.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE. CONTRACTOR SHALL CONTACT PROPERTY OWNERS PRIOR TO REMOVING ANY TREES.
- ALL DISTURBED AREAS TO BE SEEDDED WITH RYE GRASS AT A RATE OF 200 LBS. PER ACRE WITHIN 10 DAYS OF CONSTRUCTION. CONTRACTOR TO PREPARE GROUND PER CITY SPECIFICATIONS. COST IS SUBSIDIARY TO SITE PREPARATION AND RESTORATION.
- 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. CONTRACTOR SHALL REFRAIN FROM ACCESSING THE SITE AND DRIVING ON THE PRIVATE DRIVE APPROACH AND PRIVATE DRIVE TO AND ON THE SCHULTZ PROPERTY, UNLESS SPECIFICALLY AUTHORIZED BY THE PROPERTY OWNER AND THE PROJECT ENGINEER.

MKEC
ENGINEERING
CONSULTANTS, INC.

411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

SANITARY SEWER MAIN PLANS
MONARCH LANDING
WICHITA, KS

TITLE SHEET

SHEET TITLE
468-84206
PROJECT NUMBER

DFL / DFL / GJA
DESIGNED / DRAWN / CHECKED

ISSUED
March 2007
REVISED

SHEET NO.
1 of 13

GREGORY J. ALLISON
LICENSED PROFESSIONAL ENGINEER
11159
3/21/07