GENERAL NOTES

1. THE CONTRACTOR SHALL CONTAIN HIS OPERATIONS TO PERMIT TRAFFIC THROUGH AND ALONG ALL COUNTY, CITY AND STATE ROADS. THE CONTRACTOR SHALL ERECT WARNING SIGNS, DETOUR SIGNS, FLASHING LIGHTS, AND BARRICADES TO ENSURE SAFETY AS DIRECTED IN THE GENERAL CONDITIONS. THE CONTRACTOR SHALL LIMIT THE CONTRACT EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

2. 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
WESTAR (ELECTRIC)	383-8600
KANSAS GAS SERVICE (GAS)	832-3101
CITY OF WICHITA WATER & SEWER MAINT.	262-6000
AQUILA (GAS)	946-0096
ADELPHIA	209-8806

3. THE UTILITIES (WATER, GAS, TELEPHONE, ELECTRICAL, ETC.) AS LOCATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. THE CONTRACTOR SHALL COORDINATE ANY TRENCHING OPERATIONS THROUGH KANSAS ONE-CALL TO AVOID ANY DAMAGE TO THE LINES. IF ANY LINES ARE DAMAGED THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. IF CONTRACTOR HAS TO MAKE ADJUSTMENTS IN NEW CONSTRUCTION TO REFLECT LOCATION OF EXISTING UTILITIES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.

4. THE CONTRACTOR SHALL RESTORE ALL DITCHES, CHANNELS, BANK STABILIZATION, SWALES, ROADS, SHOULDERS, PAVEMENT ENTRANCES, AND BANKS TO THEIR ORIGINAL SLOPE AND GRADES. WHERE EXISTING ENTRANCE PIPE, DRAINAGE PIPE, SPRINKLER SYSTEMS, ROADS, SIDEWALKS, DRIVES, SIGNS, MAILBOXES, FENCES, ETC., CONFLICT WITH THE PROPOSED WORK THEY SHALL BE REMOVED AND REPLACED OR RESET IN LIKE KIND. ALL OF THE ABOVE INCLUDING TREES, SHRUBS, GRASS, SOD AND OTHER LANDSCAPING, SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS OF WORK.

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

6. DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE TO AN APPROVED DISPOSAL SITE UNLESS OTHERWISE NOTED.

7. 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 LAND SURVEYOR OR A PROFESSIONAL ENGINEER LICENSED IN THE LOCATION OF THE PROJECT AND IN ACCORDANCE WITH STATE LAWS.

8. THE CONTRACTOR SHALL CONDUCT WORK IN A MANNER WHICH ALLOWS THE CITY TO CONTINUE TO MAINTAIN SANITARY SEWER SERVICE THROUGH CONSTRUCTION. COST OF MAINTAINING SANITARY SEWER SERVICE THROUGH CONSTRUCTION WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER ITEMS OF WORK. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   a.) TEMPORARY ELECTRICAL.
   b.) TEMPORARY PIPING.
   c.) TEMPORARY PUMPING

9. HORIZONTAL DATUM: ASSUMED PROJECT COORDINATES.
   VERTICAL DATUM: CITY OF WICHITA DATUM = NGVD 29 -1187.4

10. ALL BACKFILL AT THE SITE, UNLESS OTHERWISE INDICATED OR SPECIFIED SHALL BE COMPACTED TO MINIMUM OF 95% OF ASTM D-698.

11. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED BY THE CONTRACTOR, AS FOLLOWS.

    KANSAS PREMIUM FESCUE BLEND: AT A RATE OF 300 LBS./ACRE. THIS AREA SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES AND OTHER EXTRANEOUS MATERIALS. ALL SEED SHALL BE DISTRIBUTED WITH AN ACCEPTABLE DRILL, OR OTHER EQUIPMENT APPROVED BY THE ENGINEER. SEEDING DEPTH SHALL BE 1/4".
    MULCH: ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED W/ CLEAN WHEAT STRAW AT 2 TONS/ACRE. ANCHOR MULCHBY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.
    FERTILIZING: SEEDED AREAS SHALL BE FERTILIZED WITH 10-20-10 AT A RATE OF 350 LBS./ACRE.

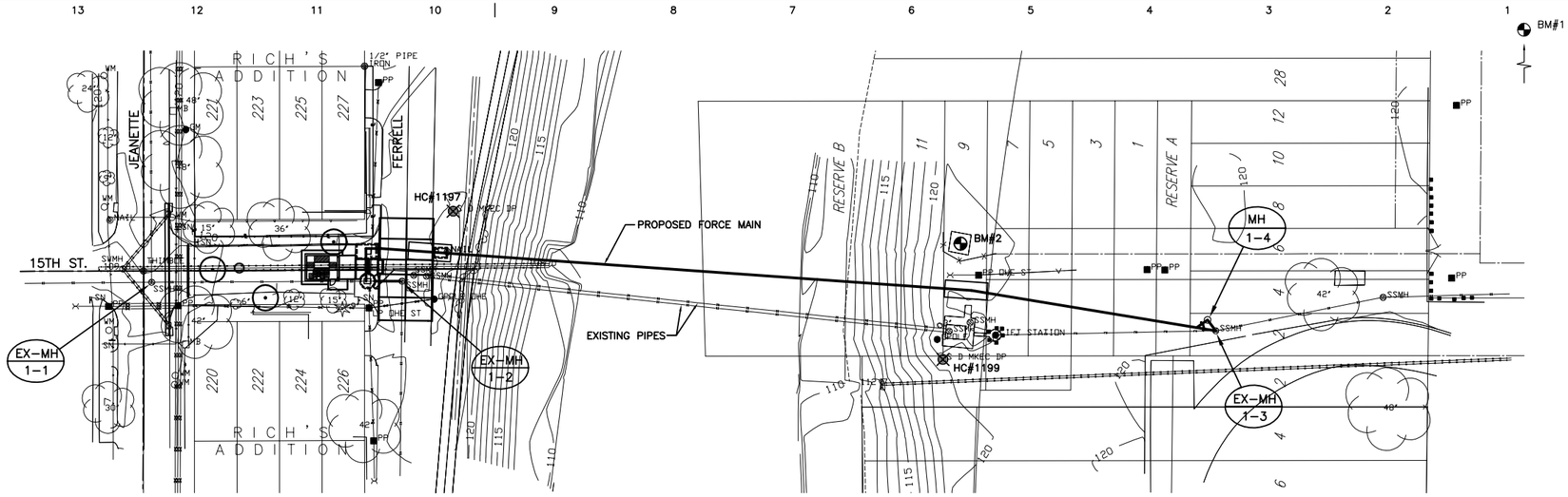
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL PIPE LENGTHS PRIOR TO ORDERING MATERIAL

13. CONTRACTOR TO INSTALL AND MAINTAIN ON SITE EROSION CONTROL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

14. CONTRACTOR TO PROVIDE EROSION CONTROL PER CITY OF WICHITA STANDARDS.

15. THE CONTRACTOR IS RESPONSIBLE TO CONFORM ALL CONSTRUCTION WITH THE LATEST ISSUE OF "THE CITY OF WICHITA - STANDARD SPECIFICATIONS".

16. THE WATER AND SEWER DEPARTMANT WILL PAY WESTAR FOR POWER SERVICE AND GAS INSTALLATIONS. CONTRACTOR SHALL COORDINATE W/ UTILITY COMPANIES FOR INSTALLATION AND SCHEDULE.



KEY MAP

LEGEND

- SECTION CORNER
- IP – IRON PIPE
- IP-SET – IRON PIN SET
- POST
- SIGN
- SIGN AND POSTS
- POWER POLE AND DEADMAN
- ELEC – ELECTRIC BOX
- ELECT MH – ELECTRICAL MANHOLE
- UGE – UNDERGROUND ELECTRIC LINE
- OHE – OVERHEAD ELECTRIC LINE
- V – ELECTRIC LINE
- TRAF MH – TRAFFIC SIGNAL MANHOLE
- T – TELEPHONE LINE
- TR – TELEPHONE RISER
- TELE MH – TELEPHONE MANHOLE
- W – WATER LINE
- WV – WATER VALVE
- WM – WATER METER
- FH – FIRE HYDRANT
- ICV – IRRIGATION CONTROL VALVE
- SPK – SPRINKLER HEAD
- G – GAS LINE
- GM – GAS METER
- STRAW BALE
- SILT FENCE
- EXISTING STRUCTURES
- TO BE REMOVED
- MH – MANHOLE
- SANITARY SEWER LINE
- SSMH – SANITARY SEWER MANHOLE
- CO – CLEANOUT
- STORM SEWER PIPE
- SWMH – STORM WATER MANHOLE
- GRATE INLET
- INLET
- DRAINAGE ARROW
- GATE
- PM – PARKING METER
- MON WELL – MONITOR WELL
- BLOCK NUMBER
- LOT NUMBER
- FP – FLAG POLE
- CONTOUR LINE
- XCUT – CHISELED X IN CONCRETE
- SPOT ELEVATION AND LOCATION
- LP – LIGHT POLE
- FENCE
- BM – BENCHMARK
- RETAINING WALL
- EDGE OF TREES
- EVERGREEN TREE AND DIAMETER
- TREE AND DIAMETER
- YH – YARD HYDRANT
- PROPOSED BOLLARD
- THRUST BLOCK
- Xfmr. – TRANSFORMER

BENCHMARK:

BM#1 CITY OF WICHITA BENCHMARK- BRASS ROD IN CONCRETE POST NE COR. 17TH/ARKANSAS.
ELEVATION=119.05

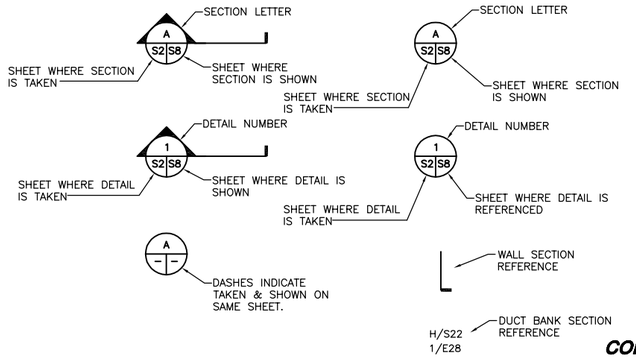
BM#2 HOLE DRILLED IN CENTER OF CONCRETE PAD FOR DISCUS THROW NORTH OF LIFT STATION SITE APPROX 50 FEET NORTH.
ELEVATION=121.53

HORIZONTAL CONTROL:

HC#1197 5/8" REBAR WITH RED MKEC CAP. WEST SIDE OF RIVER 35' NORTH OF CENTERLINE 15TH STREET NORTH. 27' EAST OF FERRELL DRIVE. 11.77' EAST OF BACK OF CURB
C.O.W. ELEVATION 122.15
LOCAL COORDINATE
N 3413.63
E 2182.05

HC#1199 5/8" REBAR WITH RED MKEC CAP. EAST SIDE OF RIVER 7.9 FEET SOUTH OF SOUTHWEST CORNER OF OLD LIFTSTATION CONCRETE PAD. 122.38' WEST OF NORTHWEST TOP OF CURB OF RUNNING TRACK.
C.O.W. ELEVATION 120.67
LOCAL COORDINATE
N 3326.44
E 2469.99

TYPICAL SECTION OR DETAIL REFERENCE



CONFORMING TO CONSTRUCTION RECORDS 4/20/07

THE CITY OF WICHITA
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 N. MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4560
(316) 268-4414 FAX

NO.	BY	DATE	DESCRIPTION
0	DLM	10/17/05	ISSUE FOR CONSTRUCTION
	MJV	4/26/07	CONFORMING TO CONSTRUCTION RECORDS

MKEC ENGINEERING CONSULTANTS

CITY OF WICHITA

CITY OF WICHITA, KANSAS
15th STREET PUMP STATION AND FORCE MAIN

KEY MAP AND GENERAL NOTES

DESIGNED BY	DLM	CHECKED BY	DLM
DRAWN BY	BDM	DATE	JUNE, 2005
PROJECT	0301030310	CONTRACT	-
DRAWING	G2		REVISION - 0

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