

FONTANA & FONTANA 2ND ADDITIONS TO WICHITA, SEDGWICK COUNTY, KANSAS DRAINAGE PLAN



SCALE: 1" = 100'

• = 3/4" IRON PIPE W/PEC CAP UNLESS OTHERWISE NOTED

BENCHMARKS:

- BM#1: C.O.W. DISK STAMPED "NO STAMP" ±22.0' S. OF S1/4 COR. SEC. 31, 1265, R1W. ELEV. = 178.29 CITY DATUM 1365.69 N.G.V.D.
- BM#2: SET "T" POST ±10' E. AND 10' N. OF S.E. COR. 5 ACRE EXCEPTION OR ±65' E. AND ±40' N. OF S.E. COR. COV. LOT 4. ELEV. = 176.39 CITY DATUM
- BM#3: FOUND 600 STEP NAIL IN S.E. FACE OF POWER POLE ON THE N.W. COR. 119TH ST. WEST AND 29TH ST. N. ±36' N.W. OF S.W. COR. SEC. 31, 1265, R1W. ELEV. = 174.92 CITY DATUM
- BM#4: FOUND R.R. SPIKE IN W. FACE OF POWER POLE ON E. SIDE 119TH ST. WEST ADJACENT TO 3133 N. 119TH, OR ±18' S. AND ±28' E. OF THE N.W. COR. COV. LOT 4. ELEV. = 171.95 CITY DATUM
- BM#5: SET R.R. SPIKE IN S. FACE S. POLE 2 POLE ELECTRIC LINE STRUCTURE ON E. SIDE 119TH ST. WEST OR ±9' S. AND 25' E. OF W1/4 COR. SEC. 31, 1265, R1W. ELEV. = 171.135 CITY DATUM
- BM#6: SET R.R. SPIKE IN S. FACE OF S. POLE 2 POLE ELECTRIC LINE STRUCTURE, 2ND STRUCTURE W. OF CENTER SEC. 31, 1265, R1W. ELEV. = 168.00 CITY DATUM
- BM#7: SET "T" POST IN PI DITCH BERM N-E, ±20' E. OF CENTER SEC. 31, 1265, R1W. ELEV. = 168.93 CITY DATUM
- BM#8: SET "T" POST ±15' S. OF N.W. COR. SW1/4, SE1/4, SEC. 31, 1265, R1W. ELEV. = 169.43 CITY DATUM
- BM#9: SET "T" POST ±70' W. AND ±75' S. OF N.E. COR. SW1/4, SE1/4, SEC. 31, 1265, R1W. ELEV. = 163.57 CITY DATUM
- BM#10: FOUND R.R. SPIKE IN POLE "NO STAMP" ON N. SIDE 29TH ST. N. BESIDE POWER POLE, ±130' E. OF DRIVE TO S. FOR 10825 W. 29TH ST. NORTH. ELEV. = 163.70 CITY DATUM
- BM#11: SET "T" POST ±75' S.S.E. OF CENTER PIVOT POINT IRRIGATION NEAR CENTER SW1/4 SEC. 31, 1265, R1W. ELEV. = 175.165 CITY DATUM

LEGEND

- (A) BASIN IDENTIFIER
- MAJOR BASIN BOUNDARY
- - - MINOR BASIN BOUNDARY
- ⇨ MAJOR STORM WATER OVERFLOW (Q100)
- ⇨ MINOR STORM WATER FLOW (Q2)
- 130 NODE IDENTIFIER
- + 169.00 SPOT ELEVATION (CONCEPT ONLY)
- + 169.00 HIGH POINT ELEVATION (CONCEPT ONLY)
- STORM SEWER AND INLET
- STORM SEWER AND MANHOLE

SEE SUPPORTING CALCULATIONS FOR HYDROLOGY

FONTANA

MINIMUM OPENINGS	ELEVATION (N.G.V.D.)	City Datum
BLOCK 1		
LOTS 31, 47-68	1361.80	174.40
BLOCK 3		
LOTS 15-41, 55	1359.10	171.70
BLOCK 4		
LOTS 22-25	1358.70	171.30

FONTANA 2ND

MINIMUM OPENINGS	ELEVATION (N.G.V.D.)	City Datum
BLOCK 1		
LOTS 7-8	1361.20	173.80
LOTS 10-11	1358.70	171.30
LOTS 12-21	1358.90	171.50
LOTS 32-36	1359.10	171.70
BLOCK 2		
LOTS 1-8	1359.10	171.70

* Due to shallow ditches along 119th Street West, culvert pipes were sized to maintain existing roadside ditch conveyance.



Off Site Drainage
D.A.=230 Acres
Q100=273 cfs

West 1/4 Cor. Sec. 31, 1265, R1W
Found Pipe w/ Sedgwick County Cap in Concrete

Center Sec. 31, 1265, R1W
Found 3/4" Pipe

S.W. Cor. Sec. 31, Twp. 26S, R1W
Found Pipe w/ Sedgwick County Cap in Concrete

S 1/4 Cor. Sec. 31, 1265, R1W
Found Stone & 3/4" IP on West side

REVISED 08-17-05

DSNR: BLS OPER: BLS SCALE: 1"=100.00
 01/2004 (04/07/10) (V)g Drainage 08-29-2005 08:50:26 am