



CONTROL POINTS

PL No. 101 (Not Shown) N: 1,709,716.0377, E: 1,648,118.3413 #4 bar in N shoulder 37th St. N. 1. Top center telephone pedestal 2. Top center Fire Hydrant 3. PK nail in NW face power pole 4. N edge 37th St. N 5. @ entrance to concrete plant	49.92' NW 40.71' S 93.24' SW 2.5' S 20' E
PL No. 102 N: 1,709,674.0152, E: 1,648,810.4592 #4 bar at SW corner 37th/Broadway 1. S edge of pavement of 37th St. N. 2. Guard post 3. Traffic Signal Pole 4. C.O.W. BM Disc (#57)	5' N 12.3' SW 22.0' SE 57.15' N
PL No. 103 N: 1,709,680.1396, E: 1,649,380.4535 PK nail at SE corner Topoka and 37th 1. S edge of 37th St. N. 2. E back of curb of Topoka and 37th 3. S edge of 37th St. N. 4. Chain link fence corner	7.58' SE 4.0' W 10' N 54.4' WSW
PL No. 104 N: 1,709,697.2573, E: 1,650,072.0200 #4 bar on S side 37th St. N. 1. Top center of fire hydrant 2. Center of disc golf basket 3. 3/4" iron pipe, property corner 4. @ St. Francis St. to S 5. Edge of pavement (37th)	11.20' SE 43.85' SSE 30.00' S 28.8' W 6' N
PL No. 105 N: 1,709,696.1485, E: 1,650,421.5616 PK nail at SE corner of Santa Fe and 37th 1. NW Chainlink fence corner 2. S edge of 37th 3. E back of curb Santa Fe	17.68' SE 10' N 3' E
PL No. 106 N: 1,709,755.4051, E: 1,651,057.4825 PK nail @ entrance to 800 E. 37th St. N. 1. S to N edge 37th St. N. 2. In line with W edge entrance 3. Chiseled "d" on concrete pad for wrought iron fence 4. PK nail S face power pole 5. SE Cor. Bldg. #800 E 37th St. N.	7' S - 99.46' NE 72.37' ENE 116.32' NNW
PL No. 107 N: 1,709,758.6323, E: 1,651,656.6752 PK nail in W edge asphalt entrance 1. Chiseled "d" on W end RCP 2. N edge asphalt road - 37th St. N. 3. @ RR tracks	15.27' NW 5' S 107' W
PL No. 108 N: 1,709,722.2886, E: 1,652,250.8717 PK nail at SE corner 37th St. N. and Ohio St. 1. Bolt in SW face power pole 2. Top center fire hydrant 3. Center of manhole 4. @ Ohio St. to S	41.59' E 52.21' WSW 21.90' SW 25' W
PL No. 109 N: 1,709,780.3282, E: 1,653,067.1199 #4 bar in grass 1. Post at S end of chain link fence 2. N edge 37th St. N. 3. W back of curb of Bridgeport Cir. 4. BM #56, Chiseled "d" on curb inlet	11.5' W 17.0' S 4' E 30.2' NNE

CONTROL POINTS

PL No. 110 N: 1,709,784.2612, E: 1,654,291.7772 #4 bar at NE Cor. 37th St. N. and Hydraulic 1. @ guy pole 2. N edge of pavement (37th St. N.) 3. @ N end of E of 3 CMPs 4. Guy wire	16.20' NW 5' S 25' WNW 22.3' NE
PL No. 111 (Not Shown) N: 1,708,908.5224, E: 1,651,740.5357 #4 bar in grass drainage area 1. Chiseled "d" on W end RCP (BM 61) 2. Monitoring well	80.3' NE 52.3' NNW
PL No. 119 (Not Shown) N: 1,707,210.7763, E: 1,651,868.2664 #4 bar in grass drainage area 1. N-S chain link fence 2. S end of 54" CMP (E of 2)	8.5' E 141' NNW
PL No. 3152 (Not Shown) N: 1,708,206.6183, E: 1,651,699.7046 #4 bar E of RR tracks 1. 1" iron pipe, CP 3157 2. @ of drainage ditch	208.34' NNE 120' E
PL No. 3157 (Not Shown) N: 1,708,408.6255, E: 1,651,750.6894 1" iron pipe 1. 60 step nails in power pole (BM 59) 2. RR tracks are to the W 3. Drainage ditch is to the E	11.55' E - -
PL No. 200 SW Cor. Sec. 28, T26S, R1E Chiseled "d" on Concrete Pavement 1. N 1,709,699.1057 E, 1,648,920.4183 2. Centerline of 37th St. N. 3. PK Nail in NE face of Power Pole 4. PK Nail in N face of Light Pole 5. Chiseled "d" on Concrete Base RR Signal 6. Center of W Rail of RR Track	3.16' N 40.00' NW 89.25' NE 20.50' SE 8.59' E
PL No. 201 S 1/4 Cor. Sec. 28, T26S, R1E 1/2" Iron Pipe in Thimble 1. N 1,709,740.4371 E, 1,651,559.8368 2. Nail and Washer in SE face of Electric Pole 3. Center of E Rail on RR Track 4. Nail and Washer in SW face of Light Pole 5. PK Nail in S face of Power Pole 6. City Bench Mark Disc at NW corner Concrete Base RR Signal	49.79' NE 9.81' W 61.47' SE 77.85' NW 34.78' SW
PL No. 202 SW Sec. 27, T26S, R1E #4 bar w/cap at road surface 1. N: 1,709,759.8988, E: 1,654,212.6669 2. At @ of 37th St. N. & Hydraulic 3. Center of top nut on fire hydrant 4. 3 nails in w face of guy pole 5. 3 nails in NE face of light pole 6. PK nail in SW face of light pole 7. C.O.W. benchmark disk on concrete base of high line pole.	62.42' WSW 78.4' NE 43.9' NW 89.75' SSE 70.37' SW

BENCHMARK LIST

Datum Benchmark: BM#51 C.O.W. Disc in Paved Road on S Side of Traffic Signal Manhole at NW corner of 37th St. N. and Broadway Ave. Elev.=1322.57 (NGVD29)	
BM#52 Chiseled "d" on Concrete Headwall on N side 37th St. N., 190' W of St. Francis St. Elev.=1321.62 (NGVD29)	
BM#53 Chiseled "d" near SE Corner of Water Valve Vault on N Side 37th St. N., on E Side of RR Spur at 800 E 37th St. N. Elev.=1322.36 (NGVD29)	
BM#54 C.O.W. Disc on RR Signal Base on S Side of 37th St. N. on W Side of RR Track, Half Mile E of Broadway Ave. Elev.=1324.48 (NGVD29)	
BM#55 Chiseled "d" on Center of Face of Inlet on W Side of Ohio St. on S Side of 37th St. N. Elev.=1322.63 (NGVD29)	
BM#56 Chiseled "d" on Center of Face of Inlet on W Side of Bridgeport Circle, on N Side of 37th St. N. Elev.=1325.01 (NGVD29)	
BM#57 C.O.W. Disk on Concrete Base of High Voltage Electric Pole at SW Corner of 37th St. N. and Hydraulic Ave. Elev.=1325.73 (NGVD29)	
BM#58 Chiseled "d" on E Headwall for Entrance to NW Corner of Coleman Building, S Side of 37th St. N., 375' E of Hydraulic Ave. Elev.=1327.71 (NGVD29)	
BM#59 60d Step Nails in W Face of Power Pole, on W Side of Drainage Ditch E Side of RR Tracks, 1329' S of 37th St. N. (Not Shown) Elev.=1320.99 (NGVD29)	
BM#60 Top W End of 8" Cast Iron Pipe with Flange on E Side of Drainage Ditch, 1900' S of 37th St. N. (Not Shown) Elev.=1318.47 (NGVD29)	
BM#61 Chiseled "d" at W End of N of 2 RCPs, 800' ± S of 37th St. N. on E Side of Drainage Ditch. (Not Shown) Elev.=1319.53 (NGVD29)	
BM#62 Chiseled "d" on W Curb of Gated Asphalt Entrance 35' N of @ 37th St. N., 500' W of Broadway Ave. Elev.=1322.04 (NGVD29)	

GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE NGVD29 DATUM. (NGVD29 + 0.305 = NAVD88)
- 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 687-2470

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

EMERGENCY DISPATCH 911
COX COMMUNICATIONS 800-778-9140
KANSAS GAS SERVICE 888-482-4950
WESTAR ENERGY 800-383-1183
BLACK HILLS ENERGY 800-694-8989
AT&T 800-286-8313
CITY OF WICHITA WATER DEPARTMENT 262-6000
CITY OF WICHITA SEWER MAINTENANCE 262-6000
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS.
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. 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. THE COST FOR ANY NECESSARY TREE TRIMMING, CLEARING AND/OR GRUBBING SHALL BE SUBSIDIARY TO SITE CLEARING.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- 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 WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANKLINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- 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. THE CONTRACTOR SHALL UTILIZE BARRICADES, SIGNS, GUARDS, AND FLAGMEN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS AND EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED OF BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, 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 LOCATION.

LEGEND

EXISTING WATER MAIN	—
PROPOSED WATER MAIN	—
EXISTING WATER VALVE	+
PROPOSED WATER VALVE	+
EXISTING FIRE HYDRANT	⊙
PROPOSED FIRE HYDRANT	⊙
EXISTING BLOW OFF	⊥
PROPOSED BLOW OFF	⊥

EXISTING WATER VALVE, FIRE HYDRANT, WATER METER ADJUSTMENTS AND WATER SERVICE LINE REPLACEMENTS. SEE SHEETS NO. C-4 THRU C-14.

37TH STREET NORTH - BROADWAY TO HYDRAULIC WATERLINE MODIFICATIONS

KEY MAP AND GENERAL NOTES

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-90581

Designed by	MDK, SAD	Job No.	35-08207-0042	Sht.	C2 of 34
Drawn by	CSL, JAN	Date	December 2011		

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