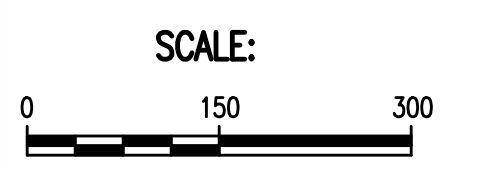
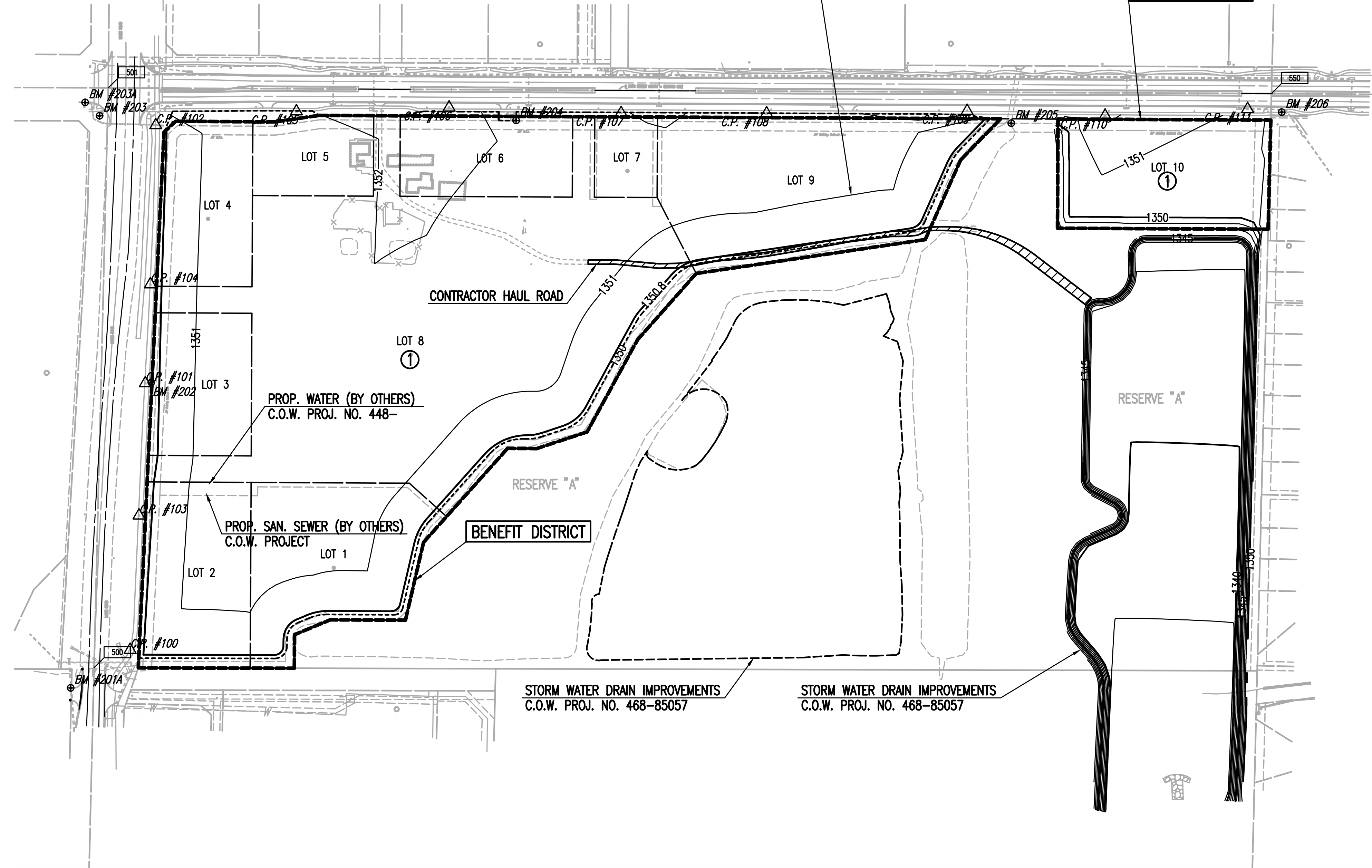


PROP. STORM WATER DRAIN IMPROVEMENTS
C.O.W. PROJ. NO. 468-85057

BENEFIT DISTRICT



CONTROL POINTS

- Pt. No. 100 C.P. #100
MON. PKN
N: 8,994.2040, E: 5,177.5870
- Pt. No. 101
PKN
N: 9,597.4580, E: 5,211.7520
- Pt. No. 102
PKN
N: 10,181.5580, E: 5,235.6590
- Pt. No. 103
PKN
N: 9,298.2310, E: 5,197.6390
- Pt. No. 104
PKN
N: 9,821.4260, E: 5,223.2540
- Pt. No. 105
#4 BAR
N: 10,221.5930, E: 5,899.2830
- Pt. No. 106
#4 BAR
N: 10,221.5930, E: 5,899.2830
- Pt. No. 107
#4 BAR
N: 10,208.9100, E: 6,288.5020
- Pt. No. 108
#4 BAR
N: 10,208.1070, E: 6,617.7130
- Pt. No. 109
#4 BAR
N: 10,213.7460, E: 7,071.5560
- Pt. No. 110
#4 BAR
N: 10,202.9280, E: 7,383.7340
- Pt. No. 111
#4 BAR
N: 10,218.1220, E: 7,706.3080

- GENERAL NOTES**
- ALL ELEVATIONS SHOWN ARE NAVD88. (NAVD88 -0.47' TO NGVD29 - 1187.4 TO CITY DATUM)
 - THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
 - ALL CONSTRUCTION WORK AND MATERIAL IN THIS PROJECT SHALL COMPLY WITH CITY OF WICHITA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF CITY PROJECT UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.
 - UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. 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.
 - 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.
 - RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR AND APPROVED AS NOTED BELOW.

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 ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
 - EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING THE PROPOSAL FOR THIS WORK SO THAT HE WILL BE FULLY INFORMED OF THE EXISTING FIELD CONDITIONS AND THE OBSTACLES WHICH MIGHT BE ENCOUNTERED. UPON AWARD OF THE CONTRACT THE CONTRACTOR WILL NOT BE GRANTED ANY ADDITIONAL COMPENSATION WITH REGARDS TO TIME AND MONEY FOR CONDITIONS THAT MAY HAVE BEEN EVALUATED DURING ANY INSPECTION OF THE SITE.
 - FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY EXCAVATION WORK. CONTACT THE KANSAS-ONE-CALL SYSTEM AT (316) 887-2470 AT LEAST 72 HOURS IN ADVANCE TO REQUEST FIELD LOCATES. FOR UTILITIES THAT ARE NOT MEMBERS OF THE KANSAS-ONE-CALL SYSTEM, CONTACT THOSE COMPANIES DIRECTLY.
 - THE LUMP SUM BID ITEM "SITE RESTORATION" SHALL INCLUDE, BUT NOT BE LIMITED TO MOBILIZATION, REMOVAL OF MINOR OBSTRUCTIONS, REMOVAL AND SALVAGE OF CONFLICTING PRIVATE IMPROVEMENTS WITHIN THE PROJECT AREA, MINOR SHAPING AND GRADING OF SLOPES FOR FINISHED APPEARANCE, REMOVAL OF CONSTRUCTION DEBRIS, REMOVAL OF TREES WITHIN CONSTRUCTION LIMITS, AND GENERAL CLEAN UP.
 - 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, OR WHICH ARE COVERED BY 12" OR MORE OF FILL MATERIAL BY THIS PROJECT. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS AND AT NO ADDITIONAL COST TO THE CITY.
 - EROSION CONTROL (BMP'S)
THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON THE EROSION CONTROL PLAN CONTAINED HEREIN. QUANTITIES ARE ESTIMATED, AND SHOULD BE CONSIDERED THE MINIMUM EFFORT REQUIRED. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.
 - 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 THE AFFECTED PROPERTY.
 - THE CONTRACTOR SHALL REMOVE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WITH PRIOR APPROVAL OF THE ENGINEER. SIGNS DAMAGED THRU NEGLIGENCE OF THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY. THE CONTRACTOR SHALL STOCKPILE THE SIGNS ALONG THE R/W (AT A CENTRAL LOCATION) FOR REMOVAL BY CITY FORCES.
 - CONTRACTOR SHALL SUPPLY, INSTALL, AND MAINTAIN CONSTRUCTION TRAFFIC CONTROL AS NECESSARY TO PROTECT THE TRAVELING PUBLIC. ALL TRAFFIC CONTROL DEVICES, AND THE INSTALLATION AND USE THEREOF, SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. ALL DEVICES SHALL BE REFLECTORIZED. CONSTRUCTION TRAFFIC CONTROL SHALL BE SUBSIDIARY TO OTHER BID ITEMS OF WORK.
 - WATER FOR EARTHWORK SHALL BE CONSIDERED SUBSIDIARY TO "UNCLASSIFIED EXCAVATION".
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL RE-ESTABLISH CONTROL POINTS AND BENCH MARKS AND VERIFY THEIR ACCURACY.

- BENCH MARK LIST**
- BM #201 - CHISELED SQUARE ON TOP OF CURB, SOUTH SIDE OF DRIVE ENTRANCE TO NORTHEAST CORNER OF TARGET PARKING LOT AND SOUTHWEST OF SOUTHWEST CORNER OF GOVERNMENT LOT 4, SEC 5-27-1W. ELEV.=1352.44 (NAVD88)
- BM #201A - CHISELED SQUARE ON TOP OF CURB, NORTH SIDE OF DRIVE ENTRANCE TO NORTHEAST CORNER OF TARGET PARKING LOT AND SOUTHWEST OF SOUTHWEST CORNER OF GOVERNMENT LOT 4, SEC 5-27-1W. ELEV.=1352.79 (NAVD88)
- BM #201B - CHISELED SQUARE ON TOP OF NORTH END OF WEST CURB FOR MAIZE ROAD, NORTH OF DRIVE ENTRANCE TO NORTHEAST CORNER OF TARGET PARKING LOT, AND WEST OF SOUTHWEST CORNER OF GOVERNMENT LOT 4, SEC 5-27-1W. ELEV.=1352.57 (NAVD88)
- BM #202 - CHISELED "X" ON NORTH RIM OF TELEPHONE MANHOLE AT PVC TELEPHONE MARKER POST, 35 FEET SOUTH OF POWER POLE #62115, ON EAST SIDE OF ASPHALT BIKE PATH ON EAST SIDE OF MAIZE ROAD, 4 POLES NORTH OF TARGET, 3 POLES SOUTH OF 29TH STREET NORTH ELEV.= 1350.53 (NAVD88)
- BM #203 - CHISELED SQUARE AT SOUTHEAST CORNER OF SOUTH HEADWALL FOR RBCB UNDER 29TH STREET, WEST OF MAIZE MAIZE ROAD (NOT THE CHISELED + AT THE SOUTHWEST CORNER OF SAME HEADWALL) ELEV.= 1353.32 (NAVD88)

- BENCH MARK LIST**
- BM #203A - CHISELED SQUARE ON TOP OF CURB INLET WEST SOUTHWEST OF 29H STREET AND MAIZE ROAD (DOES NOT INCLUDE ROUND PLASTIC DISK GLUED OVER PART OF SQUARE). ELEV.= 1351.98 (NAVD88)
- BM #204 - CHISELED SQUARE ON TOP OF RETAINING WALL AT SOUTHEAST CORNER OF CONCRETE PAD FOR ELECTRIC TRANSFORMER #10105 ON SOUTH SIDE OF 29TH STREET AND 800 FEET EAST OF BIKE PATH ON EAST SIDE OF MAIZE ROAD. ELEV.= 1352.01 (NAVD88)
- BM #205 - CHISELED SQUARE ON HIGH POINT OF EAST WINGWALL AT SOUTH END OF RBCB UNDER 29TH STREET, 600 FEET WEST OF NORTH 1/4 CORNER SECTION 5-27-1W, FOR POND GOING SOUTH. ELEV.= 1350.99 (NAVD88)
- BM #206 - CHISELED SQUARE ON NORTH EDGE OF CURVY SIDEWALK AT FIRE HYDRANT ON SOUTH SIDE OF 29TH STREET, 1/2 MILE EAST OF MAIZE ROAD, SOUTHEAST OF N 1/4 CORNER SEC 5-27-1W ELEV.= 1350.92 (NAVD88)

- SECTION CORNER**
- Pt. No. 501
NORTHEAST CORNER, SEC 6, T27S, R1W
N: 10,266.0020, E: 5,128.1290
1/2" IRON PIPE IN ASPHALT
54.30' SOUTHWEST TO 3 NAILS IN UNDERGROUND MARKER POST
64.27' SOUTHWEST TO 60# NAIL IN TELEPHONE POLE
48.65' NORTHEAST TO 3 NAILS IN HIGH LINE POLE
46.40' NORTHWEST TO 3 NAILS IN HIGH LINE POLE
- Pt. No. 500
EAST 1/4 CORNER, SEC6, T27S, R1W
N: 8,950.4810, E: 5,095.8080
1/2" BAUGHMAN CAPPED REBAR IN ASPHALT
53.47' NORTHWEST TO 3 NAILS IN S.W.B. POLE
115.26' SOUTHWEST TO 3 NAILS IN S.W.B. POLE
83.59' SOUTHWEST TO 60# NAIL IN POWER POLE
36.30' W TO "+*" CROSS ON TOP OF 12" C.M.P.
- Pt. No. 550
EAST 1/4 CORNER, SEC6, T27S, R1W
N: 10,253.0550, E: 7,760.2070
1/2" IRON PIPE IN ASPHALT
47.98' SOUTHWEST TO "+*" CROSS ON SOUTH FACE OF STEEL GATE POST
69.20' EAST TO "+*" CROSS ON NORTH FACE OF STEEL GATE POST
45.70' NORTHEAST TO 3 NAILS IN FENCE POST
39.87' WEST SOUTHWEST TO 2 NAILS IN TELEPHONE POLE

- SEEDING NOTES**
- THE CONTRACTOR SHALL APPLY TEMPORARY SEED AND MULCH TO ALL UNPAVED AREAS DISTURBED BY HIS CONSTRUCTION OPERATIONS WITHIN 14 DAYS AFTER SUCH OPERATIONS CEASE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. SEED SHALL BE ANNUAL RYE APPLIED AT THE RATE OF 4 LBS. PER 1,000 SQUARE FEET. MULCH SHALL BE PRAIRIE HAY APPLIED AT THE RATE OF 90 LBS. PER 1,000 SQ. FT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE BID FOR "SEEDING, TEMPORARY".
- THE CONTRACTOR SHALL APPLY SEED AND MULCH TO ALL UNPAVED AREAS DISTURBED BY CONSTRUCTION. SEED SHALL BE ANNUAL RYE APPLIED AT THE RATE OF 4 LBS. PER 1000 SQ. FT. FOR LOTS 1-10, BLOCK 1. FOR ADDITIONAL AREA TO BE PLANTED AS WETLANDS, UPLAND BUFFER, OR DRY DETENTION PLANTING AS SHOWN ON SHEET NO. 13.
- ALL MULCH SHALL BE PRAIRIE HAY APPLIED AT 90 LBS. PER 1000 SQ. FT.
- REFERENCE SHEET NO. 13 FOR WETLANDS AND DETENTION BASIN PERMANENT SEED PLANTING.
- PERMANENT SEEDING, FERTILIZING, AND MULCHING SHALL BE PAID FOR AT THE PRICE BID PER ACRE FOR "SEEDING".

AREAS REQUIRING PERMANENT SEED SHALL BE INITIALLY PLANTED WITH TEMPORARY SEED UNLESS DIRECTED OTHERWISE BY THE ENGINEER, OR UNLESS COMPLETION OF THOSE AREAS COINCIDES WITH THE PROPER SEASON FOR APPLYING PERMANENT SEED. THE ACREAGE SHOWN FOR "TEMPORARY PROJECT SEEDING" INCLUDES THE AREAS WHICH ULTIMATELY RECEIVE PERMANENT SEED; THIS QUANTITY SHALL BE UNDERRUN ACCORDINGLY IF TEMPORARY SEED IS OMITTED FOR THOSE AREAS.

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 Plot Scale 1:1 10-26-2015 5:03:43 PM by JAG
 U:\Wichita-Civil\2015\15138\000\Drawings\15138-000-02C-KEY MAP AND GENERAL NOTES

No.	Revision	By	Date
CADILLAC LAKE STORM WATER DRAIN NO. 404 KEY MAP AND GENERAL NOTES GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-85057			
		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com	
Designed by	JAG	Job No.	35-15138-000
Drawn by	BJS	Date	October 2015
			Sht. 02 of 17