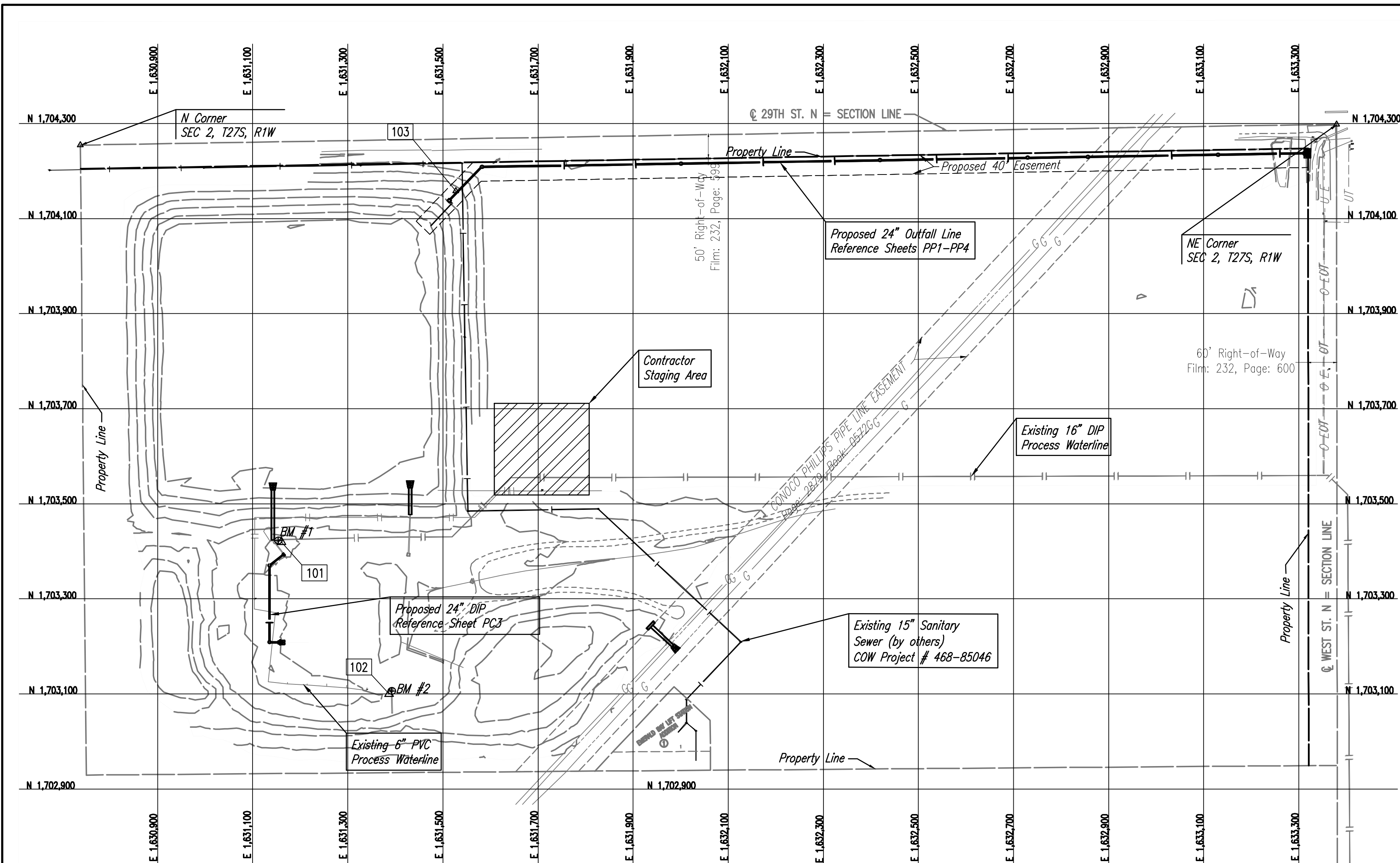


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 C:\Wichita-Civil\2018\160316\003\Main\Drawings\KEY MAP & GENERAL NOTES



GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS. PIPE CONSTRUCTION SHALL MEET ALL REQUIREMENTS OF STORM SEWER CONSTRUCTION. APPROVED MATERIALS ARE SOLID WALL PVC, DIP OR RCP.
- ALL ELEVATIONS SHOWN ARE NAVD88 DATUM.
- AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 OR 811 TO REQUEST THE LOCAL UTILITY COMPANIES MARK ANY EXISTING LINES WITHIN THE PROJECT AREA.
- 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
WICHITA WATER UTILITIES (SS AND WL)	316-262-6000
ZAYO GROUP	316-833-9032
PHILLIPS 66 PIPELINE, LLC	316-821-2261
KPC PIPELINE, LLC	913-254-6411
- THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE DRAWINGS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE DRAWINGS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE DRAWINGS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR THE DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- MANHOLES SHALL BE TYPE PRECAST MANHOLES. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED, TREE TRIMMINGS, AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO 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 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.
- ALL APPROVED EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE WASTED ON SITE AT NO ADDITIONAL COST TO THE OWNER. STOCKPILE LOCATIONS SHALL BE AS DIRECTED BY THE OWNER AND IN ACCORDANCE WITH GENERAL NOTE NO. 10 ABOVE.
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH BUFFALO GRASS, PER THE SPECIFICATIONS. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR6.5 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED AT A MINIMUM RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF OTHER SEEDING IS REQUIRED IN ACCORDANCE WITH GENERAL NOTE NO. 12 ABOVE. TEMPORARY SEEDING OR PERMANENT SEEDING/SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.
- TREE REMOVAL WILL BE UNAVOIDABLE DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS AND SHALL BE PERFORMED UTILIZING PROPER METHODS. THE CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH THE CITY AND ENGINEER. COSTS FOR TREE/SHRUB REMOVAL AND TRIMMING REGARDLESS OF SIZE SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE CLEARING". TREES CAN BE STOCKPILED AND BURNED ONSITE UPON CONTRACTORS RECEIPT OF APPROPRIATE PERMITS FROM CITY AND COUNTY.
- THE CONTRACTOR SHALL PREVENT ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOT BURY MANHOLES THAT HAVE RIM ELEVATIONS WHICH ARE LOWER THAN EXISTING GROUND AT THE MANHOLE. THE GROUND AROUND SUCH MANHOLES AND ALONG THE SEWER ALIGNMENT SHALL BE BACKFILLED TO THE APPROXIMATE ELEVATION OF THE PROPOSED GROUND ELEVATION SHOWN ON THE PLAN/PROFILE SHEETS. THE CONTRACTOR SHALL PROVIDE DRAINAGE AWAY FROM THESE MANHOLES AND SEWER LINES BY CONSTRUCTION OF TEMPORARY DITCHES OR SLOPING THE GROUND AS REQUIRED. ALL COSTS FOR THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE INSTALLED BID PRICE FOR MANHOLES OR PIPE.
- THE CONTRACTOR SHALL PROVIDE MOUNDING EARTH AT MANHOLES AND CLEANOUTS THAT HAVE TOP ELEVATIONS GREATER THAN 1 FOOT ABOVE EXISTING GRADE, AS SHOWN ON THE DRAWINGS. COSTS FOR MOUNDING SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID PER EACH FOR MANHOLE.
- THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON SHEETS PC4 & PD4-PD6. THE FOLLOWING QUANTITIES ARE ESTIMATED, AND SHOULD BE CONSIDERED THE MINIMUM EFFORT REQUIRED. THE GENERAL LOCATION OF THE REQUIRED EROSION CONTROL IS ILLUSTRATED ON SHEET PC4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL SHOWN THROUGHOUT THE COMPLETION OF THIS PROJECT. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.

SILT FENCE BARRIER 2,261 LF.
CONSTRUCTION ENTRANCE 1 EA.
- THE CONTRACTOR SHALL COORDINATE THE TIE-IN TO THE EXISTING PIPING WITH CITY OF WICHITA STAFF. THE CONTRACTOR SHALL NOT TRANSFER FLOWS IN THE DIVERSION STRUCTURE WITHOUT THE APPROVAL OF THE CITY.
- ALL BACKFILL FOR TRENCHING AND SITE GRADING WORK SHALL BE COMPACTED TO A MINIMUM OF 95% PER ASTM D-698.
- CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CITY AND PHILLIPS 66 PIPELINE LLC AT LEAST TEN (10) DAYS PRIOR TO COMMENCING ANY CONSTRUCTION, MAINTENANCE, REPAIR, REPLACEMENT, OR REMOVAL OF THE ENCROACHMENT ON THE GAS LINE RIGHT-OF-WAY, OR ANY MOVEMENT OF EQUIPMENT ACROSS THE GAS LINE RIGHT-OF-WAY, SO THE GAS COMPANY SHALL HAVE AN OPPORTUNITY TO HAVE AN INSPECTOR OR REPRESENTATIVE PRESENT DURING SUCH ACTIVITIES AND SO THAT THE GAS COMPANY CAN STAKE THE PIPELINES. WRITTEN NOTICE SHALL BE GIVEN TO THE FOLLOWING INDIVIDUAL WITH THE GAS COMPANY.

PHILLIPS 66 PIPELINE LLC
ANDRES MARTINEZ
2400 E. 37TH STREET N., WICHITA, KS 67202
M. (316) 821-2261, F. (316) 838-6518
- CONTRACTOR SHALL CONTACT KPC IN THE EVENT OF ANY INCIDENT INVOLVING, OR POTENTIALLY INVOLVING, THE GAS PIPELINES AT THE FOLLOWING NUMBER.

ROBERT CLOVER
OPERATIONS MANAGER
OFFICE: (913) 764-6015
CELL: (913) 522-7501
- MECHANICAL EVALUATION SHALL CEASE ONCE THE EARTH HAS BEEN REMOVED TO WITHIN THREE (3) FEET OF KPC'S GAS PIPELINE. SHOVELS MUST BE USED TO MANUALLY CLEAN THE AREA ABOVE AND BELOW THE PIPELINE. AFTER THE PIPELINE HAS BEEN INITIALLY LOCATED, THE PIPELINE MUST BE KEPT VISIBLE TO THE EQUIPMENT OPERATOR DURING THE EXCAVATION PROCESS. KPC MAY REQUIRE SHORING OR ANOTHER TYPE OF SUPPORT TO PROTECT THE PIPELINE'S INTEGRITY. ALL BACKFILL ON KPC'S EASEMENT OR PIPELINE CORRIDOR SHALL BE MECHANICALLY COMPACTED TO ACCEPTABLE COMPACTION RATIOS. NO VIBRATING COMPACTORS ARE ALLOWED WITHIN 50 FEET OF THE PIPELINES.
- ONE EQUIPMENT CROSSING WILL BE ALLOWED AS PART OF THIS PROJECT. WHEN GAS PIPELINE CROSSINGS ARE BUILT, THEY WILL BE INSPECTED BY KPC DESIGNERS FOR INTEGRITY AND SAFETY.

HORIZONTAL DATUM
KANSAS STATE PLANE (SOUTH ZONE)

BENCH MARK LIST

BM #1 - N: 1,703,422.6150, E: 1,631,154.2020
SQUARE CUT SET ON EAST CORNER OF INFLUENT DIVERSION BOX.
ELEV.=1344.34 (NAVD88)

BM #2 - N: 1,703,106.2540, E: 1,631,392.2270
SQUARE CUT SET ON CENTER OF WEIR BOX AT THE SOUTHEAST CORNER OF THE SILT POND.
ELEV.=1338.82 (NAVD88)

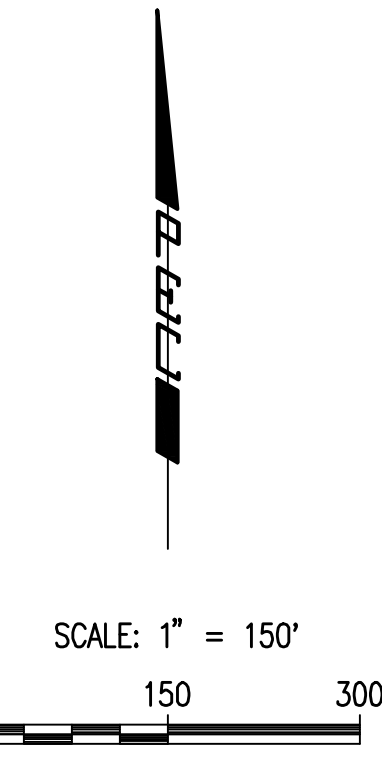
CONTROL POINTS

PL No. 101
1/2" REBAR SET SOUTHEAST OF INFLUENT DIVERSION BOX.
15.10' WEST TO SOUTH CORNER OF INFLUENT DIVERSION BOX
6.65' NORTHWEST TO EAST CORNER OF INFLUENT DIVERSION BOX
33.37' SOUTH TO SOUTH END OF 24" DUCTILE IRON PIPE

PL No. 102
1/2" REBAR SET SOUTH OF WEIR BOX AT THE SOUTHEAST CORNER OF THE SEDIMENT POND
8' +/- NORTH TO SOUTH EDGE OF SILT POND
5.40' NORTHEAST TO THE SOUTHWEST CORNER OF WEIR BOX
10.05' EAST-NORTHEAST TO THE SOUTHEAST CORNER OF WEIR BOX

PL No. 103
1/2" REBAR SET ON TOP OF BERM AT NORTHEAST CORNER OF OVERFLOW POND
45' SOUTH TO THE LINE OF THE NORTH EDGE OF WATER TO THE WEST
38' WEST TO THE LINE OF THE EAST EDGE OF WATER TO THE SOUTH
109.5' NORTH TO THE CENTERLINE OF 29TH STREET

E Corner
SEC 2, T27S, R1W



LEGEND

- PROPERTY LINE
- CONTRACTOR STAGING AREA
- HORIZONTAL CONTROL POINT
- BM #513 BENCHMARK

No.	Revision	By	Date
CITY OF WICHITA			
KEY MAP & GENERAL NOTES			
LIME LAGOON OUTFALL			
Designed by RWG		Job No. 34-160316-003	
Drawn by CAF		Date JULY 2017	
			Sht. PC1 of 19