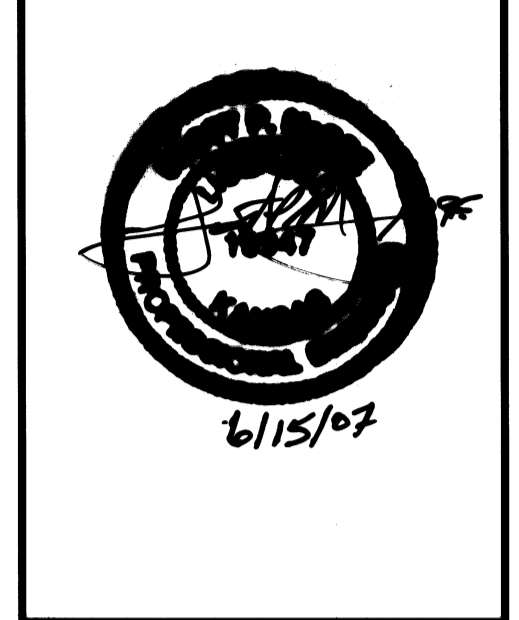


DATE	REV	DESCRIPTION
3-29-07		REVISED PER PLAN UNIT 2 COMMENTS 53-62
5-03-07	1	CONVERT TO PRIVATE PROJECT
5-17-07	2	REVISED PER STAFF UNDERBOX COMMENTS 11-07
6-11-07	3	CITY SUBMITTAL FOR PERMIT



BOUNDARY LINE	RIGHT OF WAY LINE	EASEMENT LINE	CONCRETE CURB AND GUTTER	GUARD RAIL	RETAINING WALL	SANITARY SEWER SERVICE	WATER SERVICE	UNDERGROUND ELECTRIC SERVICE	UNDERGROUND TELEPHONE SERVICE	OVERHEAD ELECTRIC SERVICE	OVERHEAD TELEPHONE SERVICE	FIBER OPTIC CABLE SERVICE	GAS SERVICE	SPOT ELEVATIONS
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GRADING NOTES & DETAILS	
	MATCH EXISTING PAVING
	TYPICAL TRENCH DRAIN
	OIL SKIMMER MANHOLE

GRADING AND DRAINAGE NOTES:

INFORMATION PERTAINING TO UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATION WHEN POSSIBLE. BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST TRENCHES AT ALL UTILITY CROSSING ADVANCE OR MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR WHICH EXCEEDS USE, CONTACT THE ENGINEER AND THE UTILITY DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.

ALL STRUCTURES LOCATED WITHIN R.O.W. OR OTHERWISE NOTED ON THESE PLANS SHALL BE CONSTRUCTED PER THE HIGHWAY DEPARTMENT STANDARDS. IF STRUCTURES ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CIVIL ENGINEERING, INC. FOR REVIEW AND APPROVAL.

WHERE THE WORD PIPE IS USED ON THESE PLANS THE CONTRACTOR HAS THE OPTION TO BID MATERIAL WITH n=0.012 OR LIES.

CONTRACTOR SHALL BE RESPONSIBLE FOR REDUCTION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN (NOT SHOWN AT HIS ADDITIONAL COST TO THE OWNER).

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ADJUSTING EXISTING UTILITY LINES AS REQUIRED BY CUT AND FILL AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.

ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURE AND END OF FLARE IN SECTIONS.

ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEDED AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED. (SEE EROSION CONTROL PLAN FOR SEEDING SPECIFICATIONS).

STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER DETAIL U02 (SEE DETAIL SHEET).

SEE EROSION CONTROL PLAN FOR RIP-RAP AND SIZES.

CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING THE SWPP.

REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.

CLAYRY AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 3 INCHES BEFORE PLACING TOPSOIL PER OWNER/DEVELOPER, CITY AND/OR HIGHWAY DEPARTMENT STANDARDS AND SPECIFICATIONS.

CLEAR AND GRASS AREAS TO BE FILLED. REMOVE TREES, VEGETATION, ROOTS OR OTHER OBSTACLES AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF FILL.

INSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.

DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.

KEEP OVERSANDS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.

PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED. (SEE EROSION CONTROL PLAN).

CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOPS, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT OF WAY SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT FOR THE GOVERNING AGENCY'S SPECIFICATIONS, WHOEVER SPECIFIED. IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

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ALL DRAINAGE STRUCTURES SHALL BE PRECAST.

ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES IN THE RIGHT OF WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY (STATE ONE CALL SYSTEM) AND LOCATE ALL UTILITIES PRIOR TO GRADING START.

SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

AFTER PERMITS HAVE BEEN OBTAINED & EROSION CONTROL MEASURES INSTALLED, THE CONTRACTOR SHALL GRADE BUILDING PAD & APPROXIMATE 6" TO 12" OF SUBGRADE.

IMMEDIATELY APPLY A COMPACT STONE BASE FOR BUILDING PAD TO 4" - 12" PRIOR TO EXCAVATING INTERIOR & PERMETER FOOTINGS.

GENERAL CONTRACTOR SHALL PROVIDE 2' x 2' x 6" THICK CONCRETE PAD AT ALL CLEANOUTS OUTSIDE OF BUILDING AND IN PAVED AREAS.

REGIONAL DWG. NO.	LINE B
15-0276	LINE B

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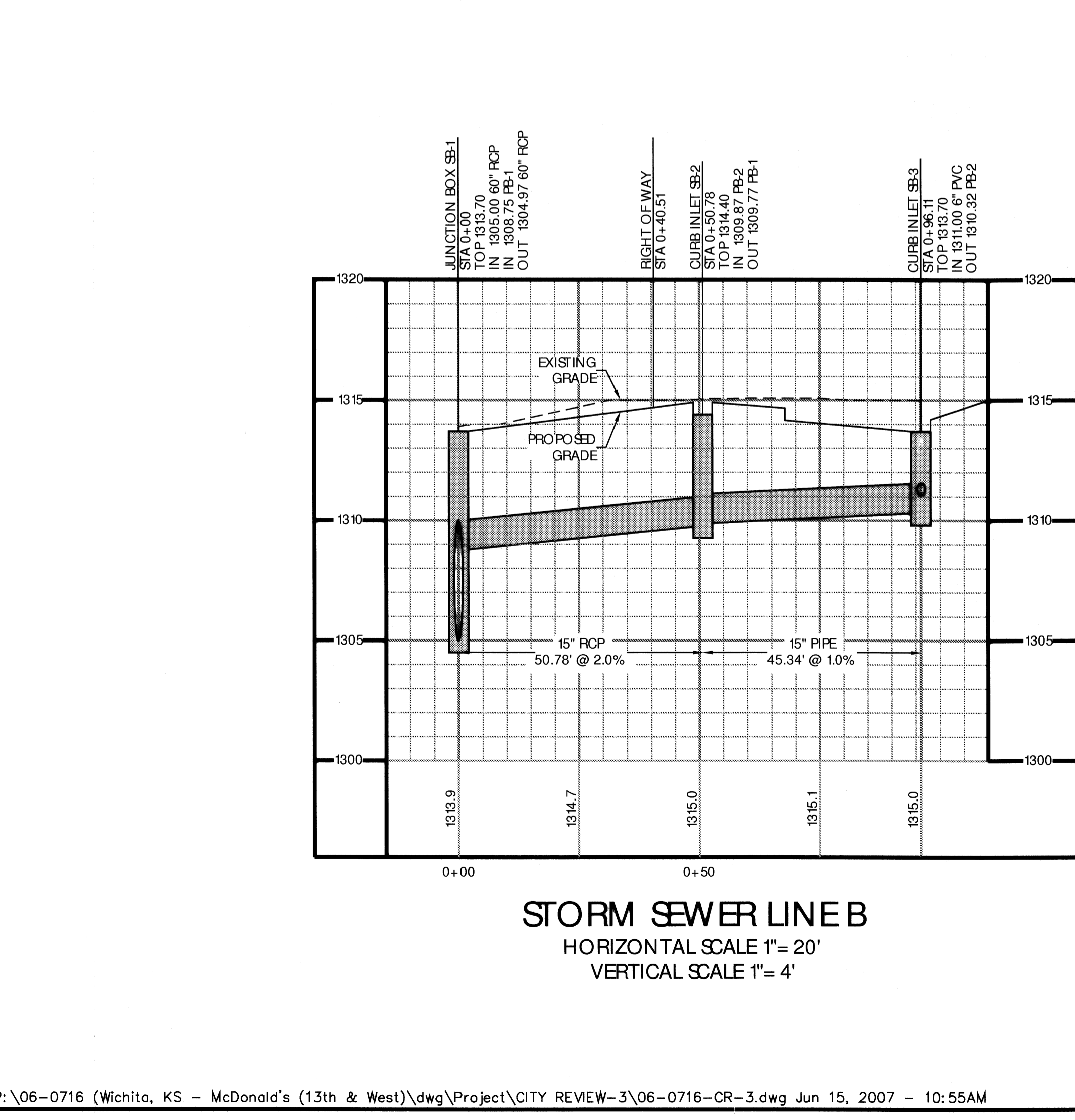
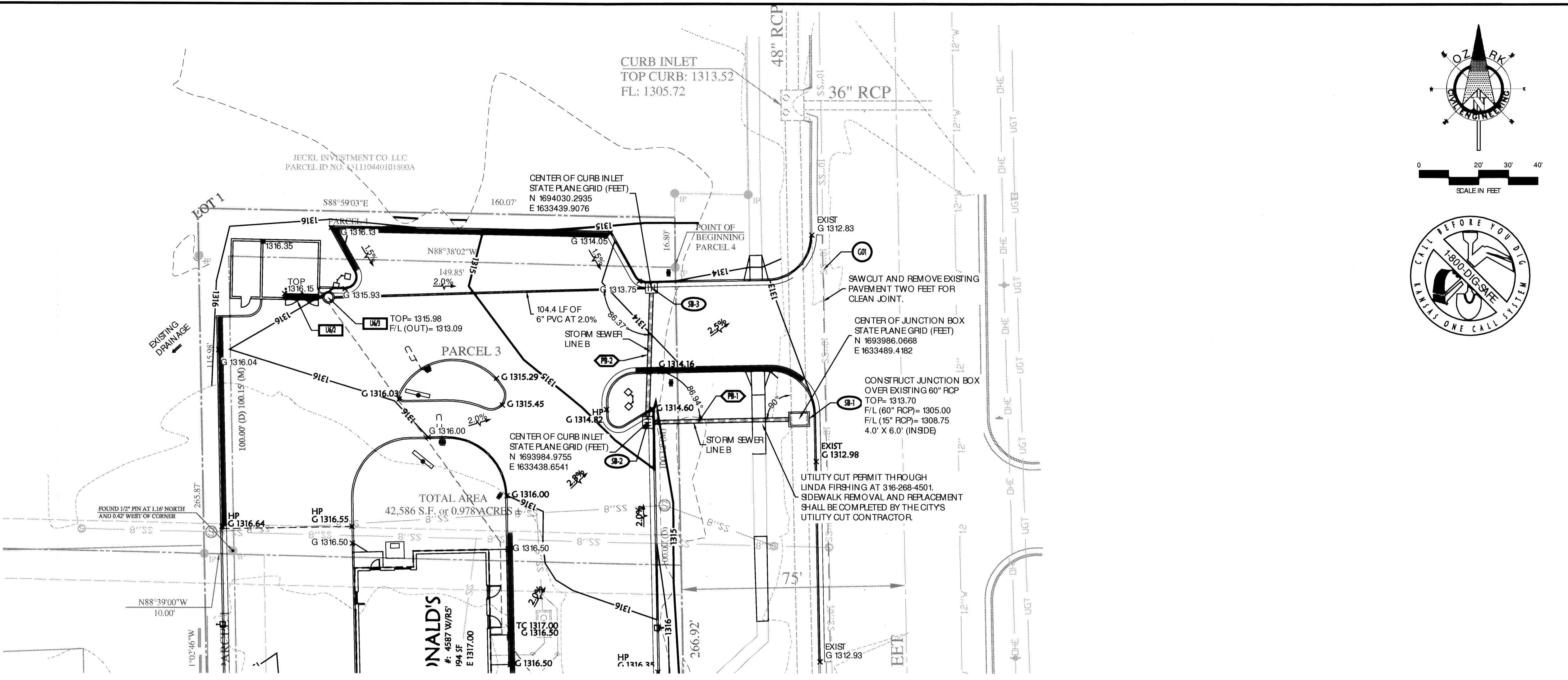
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STREET ADDRESS	
1421 N WEST STREET	
CITY	STATE
WICHITA	KANSAS
COUNTY	
SEDGEWICK	
REGIONAL DWG. NO.	LINE B
15-0276	LINE B
PRIVATE STORM SEWER PLAN AND PROFILE	



THE PROPOSED BUILDING STORM LINE WILL NEED TO BE INSTALLED BY A LICENSED DRAIN LAYER WITH PERMIT AND INSPECTION FROM THE OFFICE OF CENTRAL INSPECTION.

DRAINAGE STRUCTURE SCHEDULE											
STRUCTURE NUMBER	STRUCTURE TYPE	TOP OF	DETAIL NUMBER	INV. IN W/SIDE & DIRECTION	INV. IN W/SIDE & DIRECTION	INV. IN W/SIDE & DIRECTION	INV. OUT (W/SIDE & DIRECTION)	DRAINAGE AREA	CPIS 10 YR	PIPE NUMBER	PIPE LENGTH & SLOPE
SB-3	CURB INLET	1313.70	US-4	1311.00 6" PVC W	1313.70	1313.70	1310.32 15" RCP E	0.33	2.8	SB-2	45.34 LF @ 1.0%
SB-2	CURB INLET	1314.40	US-4	1309.87 12" RCP N	1314.40	1314.40	1309.77 15" RCP E	0.15	0.99	SB-1	50.78 LF @ 2.0%
SB-1	JUNCTION BOX	1313.70	US-1	1308.75 15" RCP W	1305.00 60" RCP N	1304.97 60" RCP E					