

STORM SEWER IMPROVEMENTS

TO SERVE

CLUB CARWASH

3610 N. MAIZE RD.

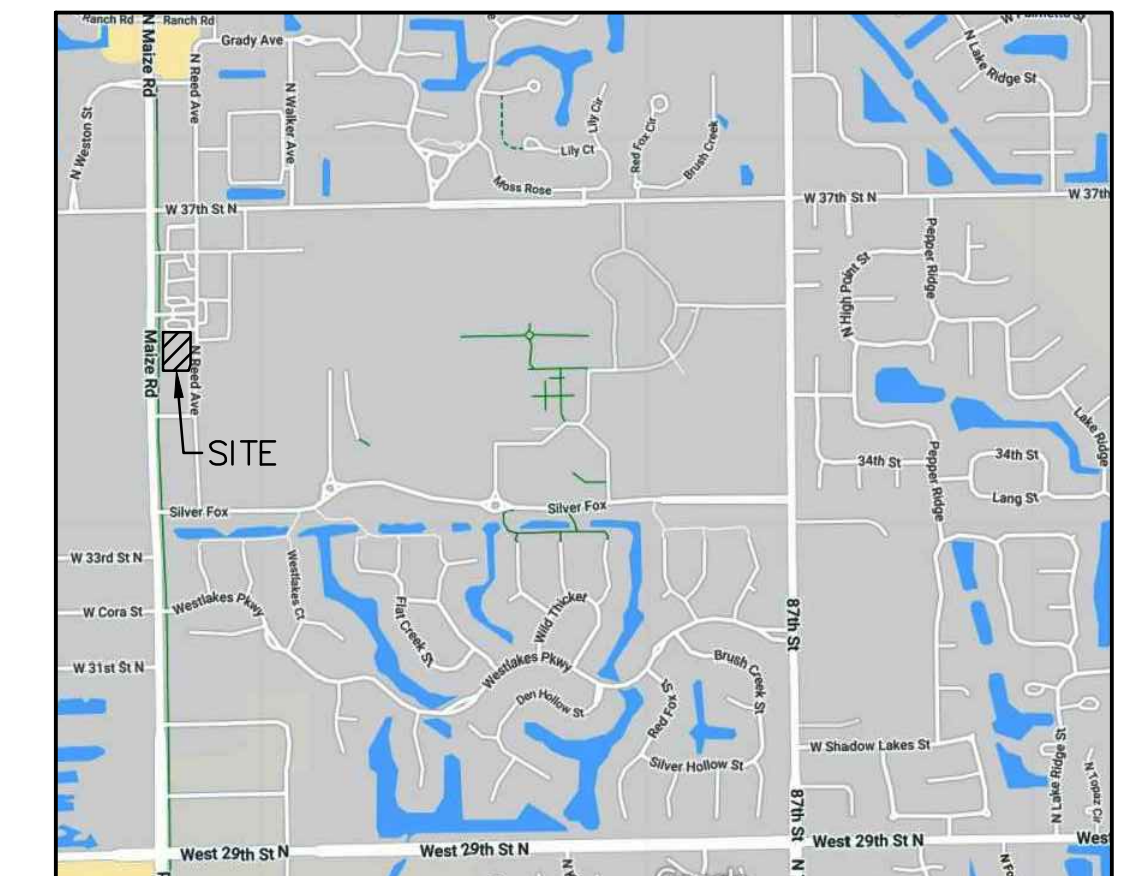
CITY OF WICHITA, KANSAS

GARY JANZEN, P.E. CITY ENGINEER

PROJECT NUMBER

2021-000695PPD (56030970)

000694



VICINITY MAP
NO SCALE

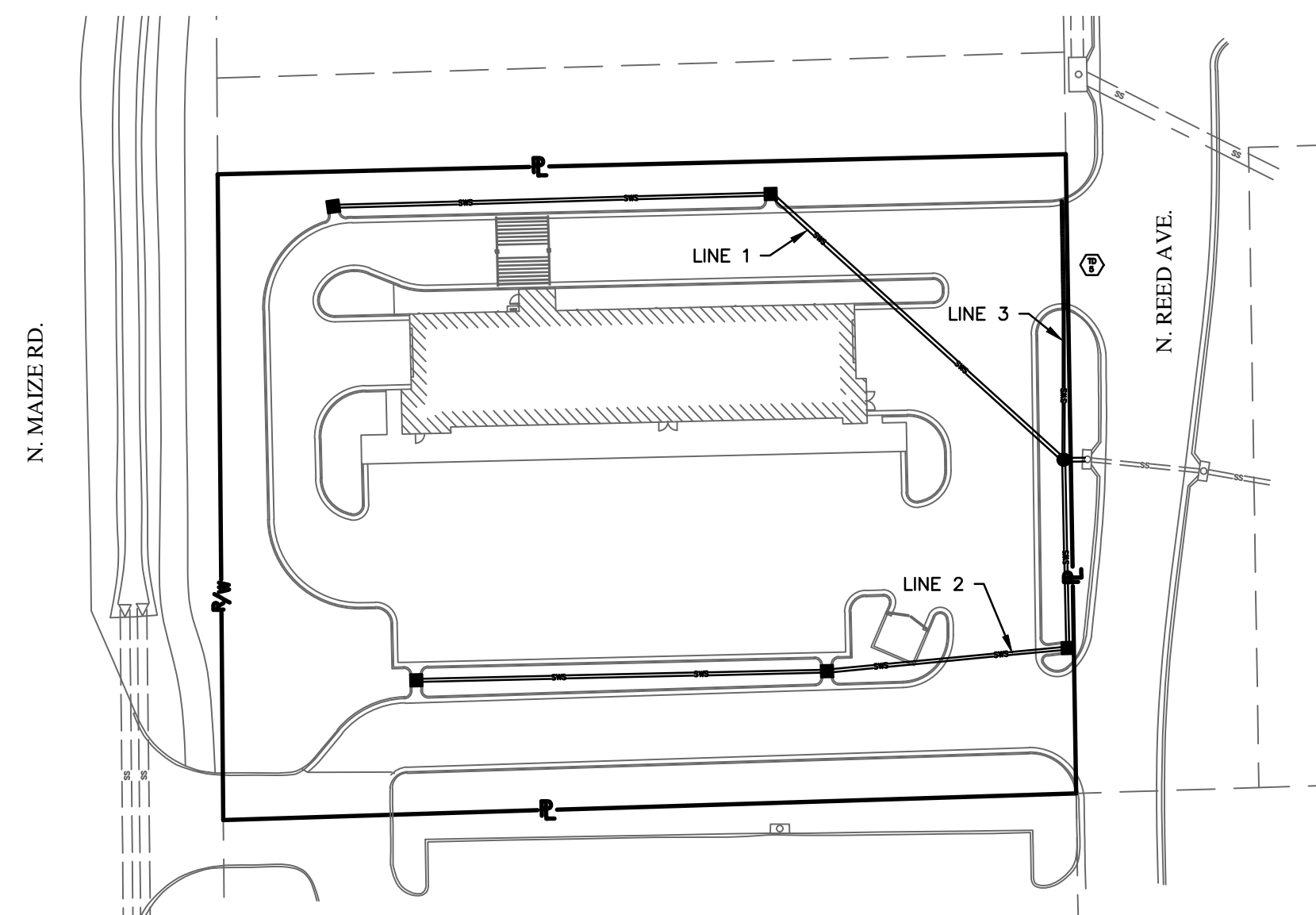
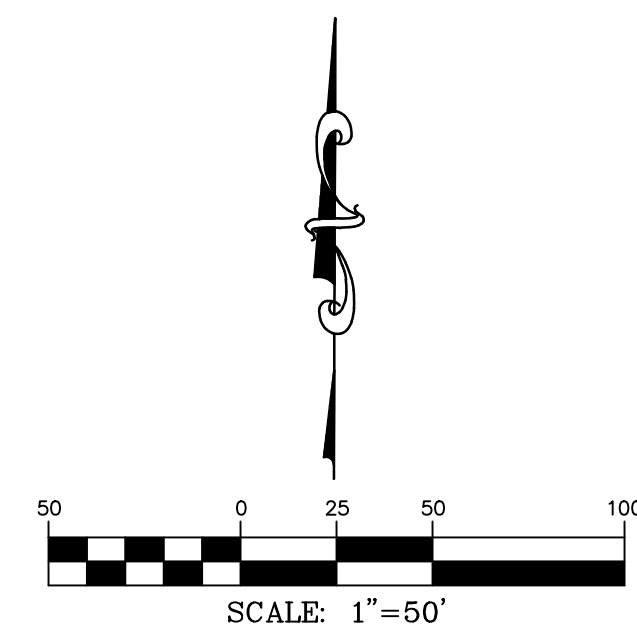
GENERAL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARDS SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO AND EXCAVATION, AS FOLLOWS:

KANSAS ONE-CALL 316-687-2470

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

AT&T 1-800-246-8464
BLACK HILLS ENERGY 1-800-694-8989
CITY OF WICHITA WATER & SEWER 1-316-219-8921
CITY OF WICHITA STORMWATER 1-316-268-4090
CITY OF WICHITA TRAFFIC 1-316-268-4034
COX COMMUNICATIONS 1-888-249-3530
KANSAS GAS SERVICE 1-888-482-4950
EVERGY 1-800-544-4857
- UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, IN THE OPINION OF THE ENGINEER, THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES PROVIDED 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 UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- 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 CITY ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF 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 CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND DAWNITA REINHARDT AT 316-268-4574 WITH THE CITY OF WICHITA WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF PROJECT COMPLETION. STAKING AND INSPECTION OF THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, MIKE ARMOUR AT traffic@wichita.gov BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL ELEVATIONS SHOWN ARE NAVD 88.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
- ANY SIDEWALK, DRIVE APPROACH, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY THE CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316-268-4501 OR 316-268-4480.
- CITY MAINTENANCE OF STORM SEWER ENDS AT THE LAST STRUCTURE IN THE EASEMENT OR RIGHT-OF-WAY.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH NEW DEVELOPMENT A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP TO THE MANHOLE.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- THE INSPECTING FIRM SHALL SUBMIT TO THE CITY STORMWATER MAINTENANCE DIVISION A DIGITAL COPY OF THE CCTV INSPECTION OF THE CONDUITS AND STRUCTURES FOLLOWING CONSTRUCTION. THE DIGITAL FILE FORMATION SHALL BE COMPATIBLE WITH THE CITY INPUT TEMPLATE. A COPY OF THE TEMPLATE IS AVAILABLE UPON REQUEST AT 316-268-4090.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.



SITE BENCHMARK

ELEV. = 1352.90 (NAVD 88)
SQUARE CUT IN SOUTHEAST CORNER OF CURB INLET. LOCATED EAST OF PROPERTY ALONG THE WEST SIDE OF N. REED AVE.

SHEET INDEX	SHEET
SITE PLAN	1
PLAN AND PROFILE	2
EROSION CONTROL PLAN	3
DETAILS/SPECIFIC/EROSION CONTROL	4

APRIL, 2021



- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- SITE DEVELOPMENT
- MASTER PLANNING
- GENERAL CONSULTING

8 EAST MAIN STREET, WENTZVILLE, MISSOURI 63385
TELEPHONE (636) 332-4574
FAX (636) 327-0760
E-MAIL wentmail@cochraneng.com

AS BUILTS

Contractor: **EWERTZ EXC.**
9/1/2021

Project Inspector: **LARRY GANN**
KEMILLER ENGINEERING PA
117 E. Lewis, Wichita, KS 67202 (316)264-0242

STORMWATER CERTIFICATION:

(NEW DEVELOPMENT) OR REDEVELOPMENT (CIRCLE ONE)

STORMWATER PERMIT # SW02021-0019

NOI PERMIT # S-AR94-1695; KSR116420

THESE CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE CURRENT STORMWATER MANAGEMENT REGULATIONS AS SET FORTH IN THE CITY OF WICHITA'S STORMWATER MANAGEMENT ORDINANCE 16.32 AND THE POLICIES/GUIDELINES PRESENTED IN THE WICHITA/SEDGWICK COUNTY STORMWATER MANUAL.

SITE AREA (ACRES) = 1.35

DISTURBED AREA (ACRES) = 1.34

WATER QUALITY TREATMENT: OFFSITE BMP

DOWNSTREAM CHANNEL PROTECTION: NONE

DETENTION: NONE

THE BMP USED FOR THIS DEVELOPMENT IS PROGRAM

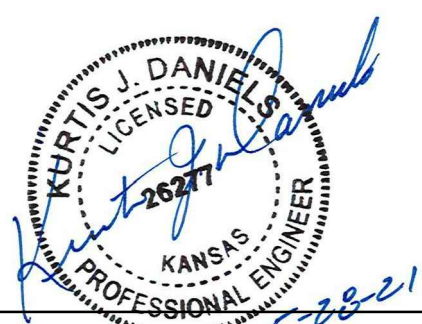
APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING & STORMWATER DIVISION

ENGINEERING SHAWN MELLIES 06-09-2021

STORMWATER JOSEPH HICKLE 06-09-2021

NOTE TO CONTRACTORS
INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF KANSAS. NO WORK SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED WITHOUT WRITTEN AUTHORIZATION BY CITY ENGINEERING. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE CURRENT CITY OF WICHITA SPECIFICATIONS AND STANDARDS AND SPECIAL PROVISIONS (ON FILE AND AVAILABLE AT Wichita.gov).

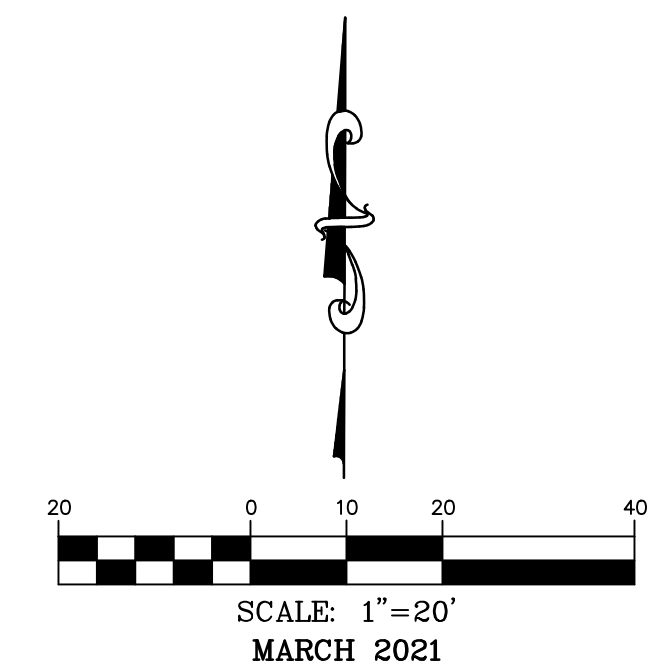
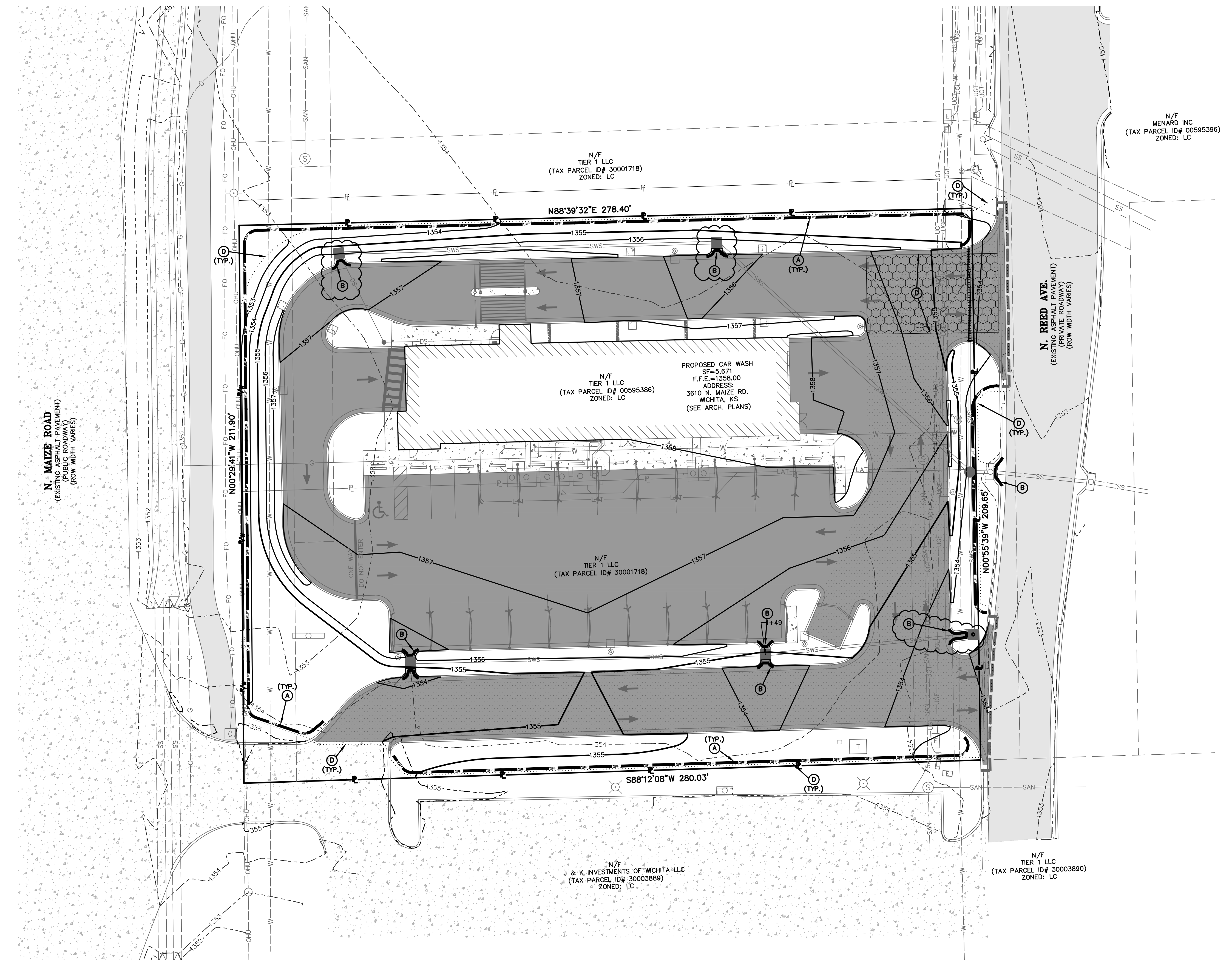
AN APPROVED COPY OF THESE PLANS SIGNED BY CITY STAFF ARE REQUIRED ON-SITE.



DATE
Kurtis J. Daniels No. 26277
Registered Professional Engineer
State of Kansas
for Cochran Engineering & Surveying

KANSAS STATE CERTIFICATE OF AUTHORITY NUMBER: E-2927

EROSION CONTROL PLAN



SWPPP LEGEND

- (A) NEW SILT FENCE. SEE DETAIL, SHEET 4.
- (B) NEW INLET PROTECTION. SEE DETAIL, SHEET 4.
- (C) NEW CONSTRUCTION ENTRANCE. SEE DETAIL, SHEET 4.
- (D) LIMITS OF GRADING.

636-332-4574 (tel.)
636-327-0760 (fax)
www.ochran.com

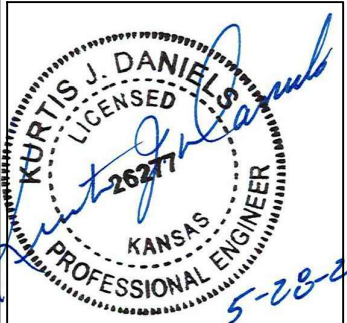
OC HRAN

- Civil Engineering
- Land Surveying
- Architecture
- Site Development
- General Consulting
- Master Planning

Kansas State Certificate of Authority Numbers: E-2927

Two working days prior to the start of any excavation call 1-800-UGC-SAFE for utility location information.

All OSHA rules & regulations and all applicable local construction regulations for these plans shall be strictly followed (ie. trenching, blasting, etc.)



KURTIS J. DANIELS
E-26277

STORM SEWER IMPROVEMENTS
CLUB CARWASH
WICHITA, KANSAS

DATE	REVISION	APP'D. BY	K.I.D.
5/27/21	PER CITY COMMENTS	EMB	KJD

DATE: 5/27/21
SCALE: 1:20
PROJ. NO: M20-7977A
SHEET NO: 3

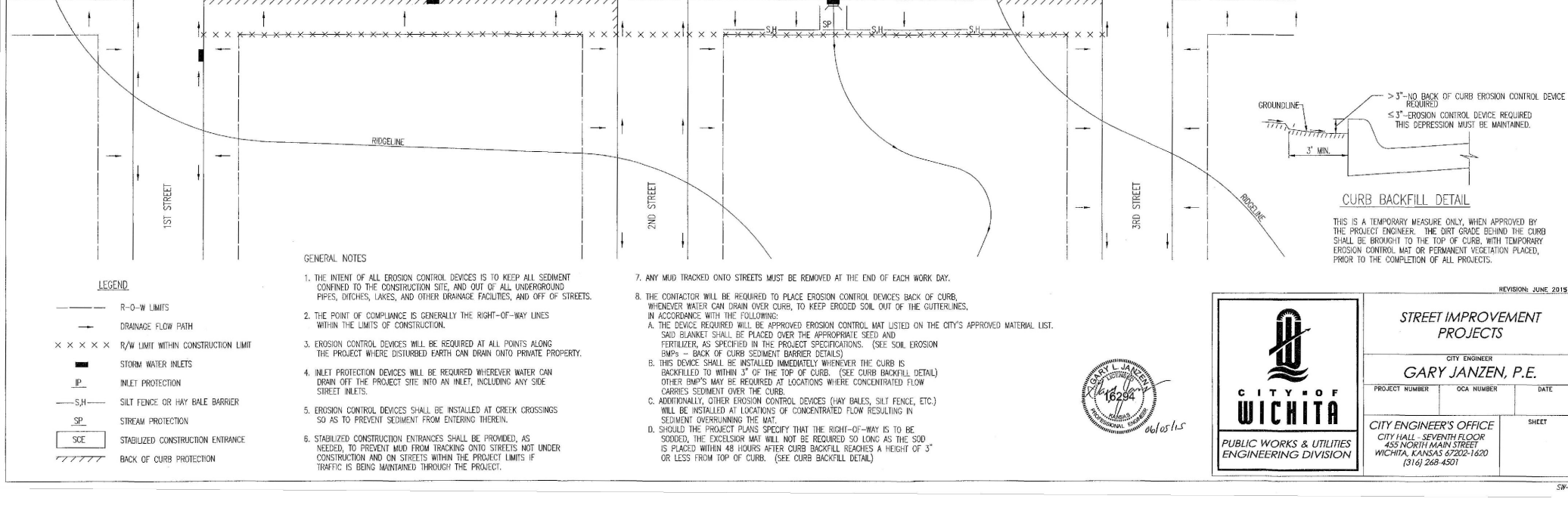
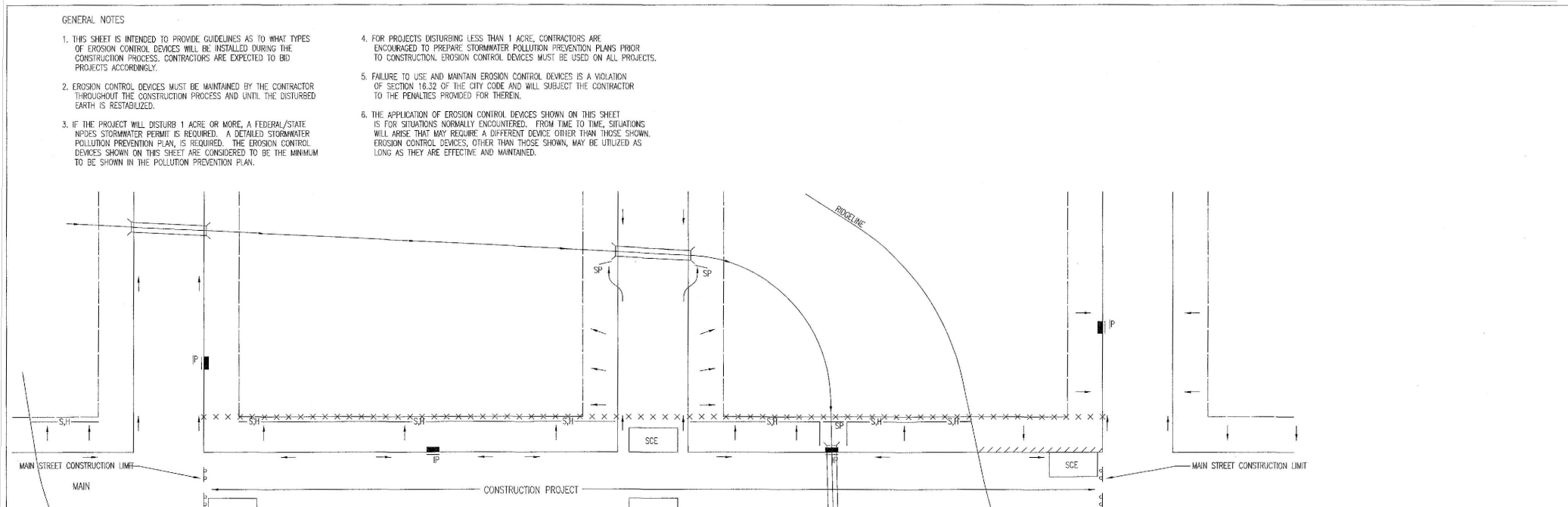
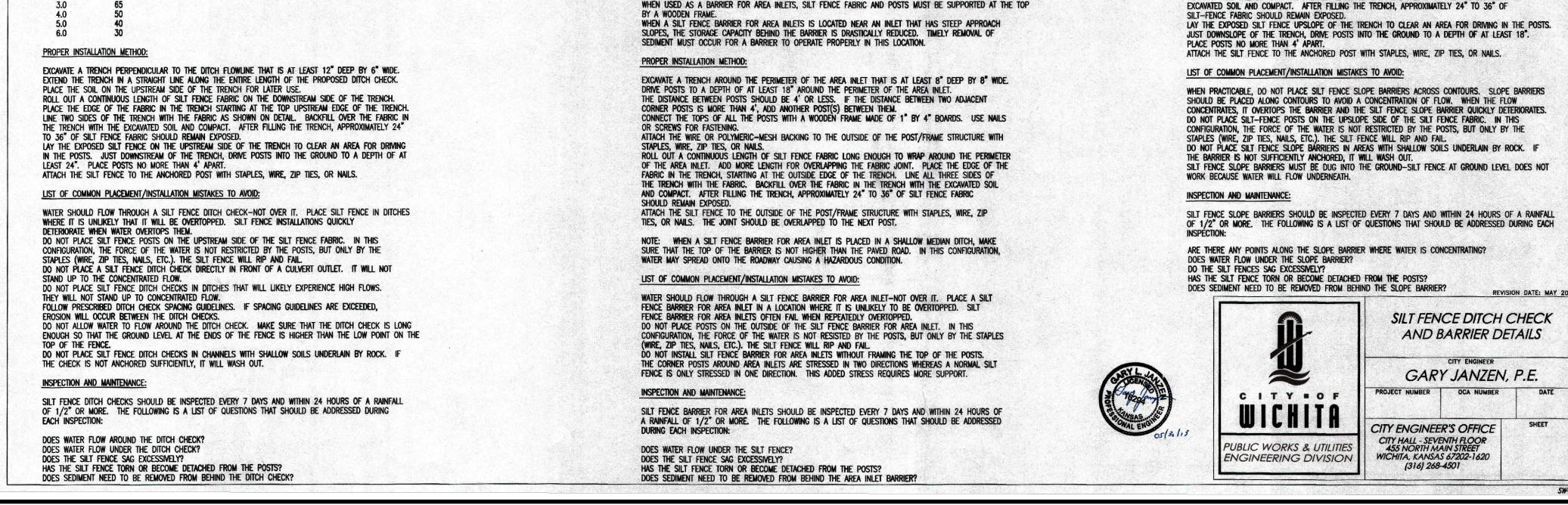
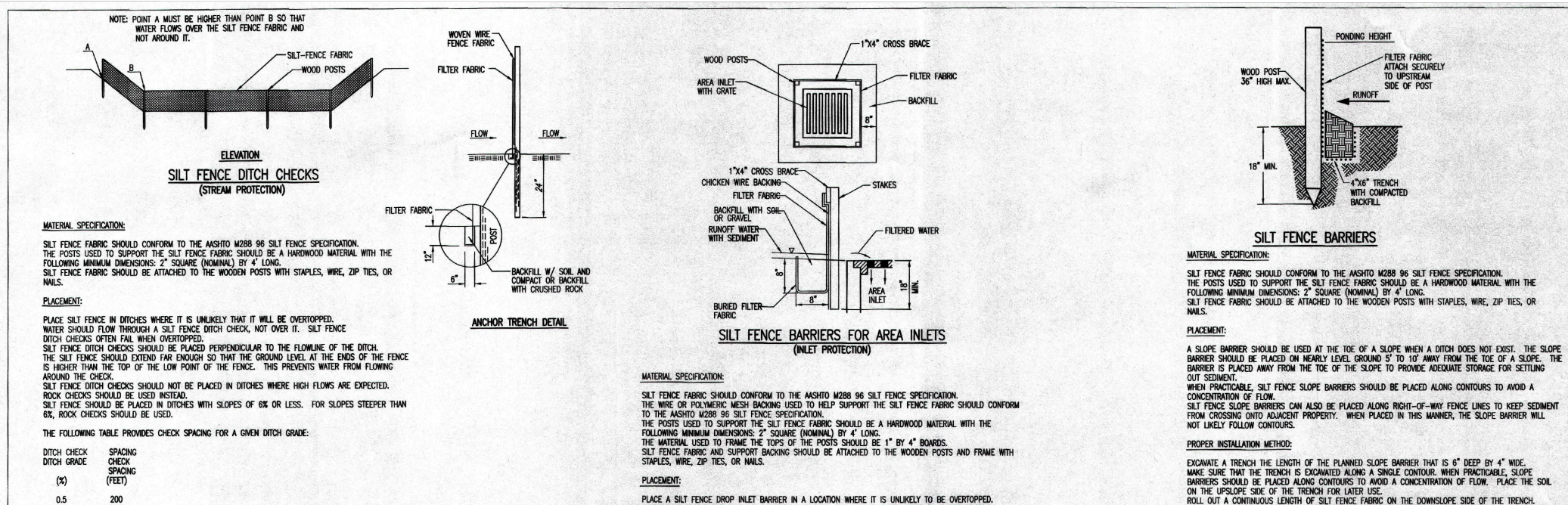
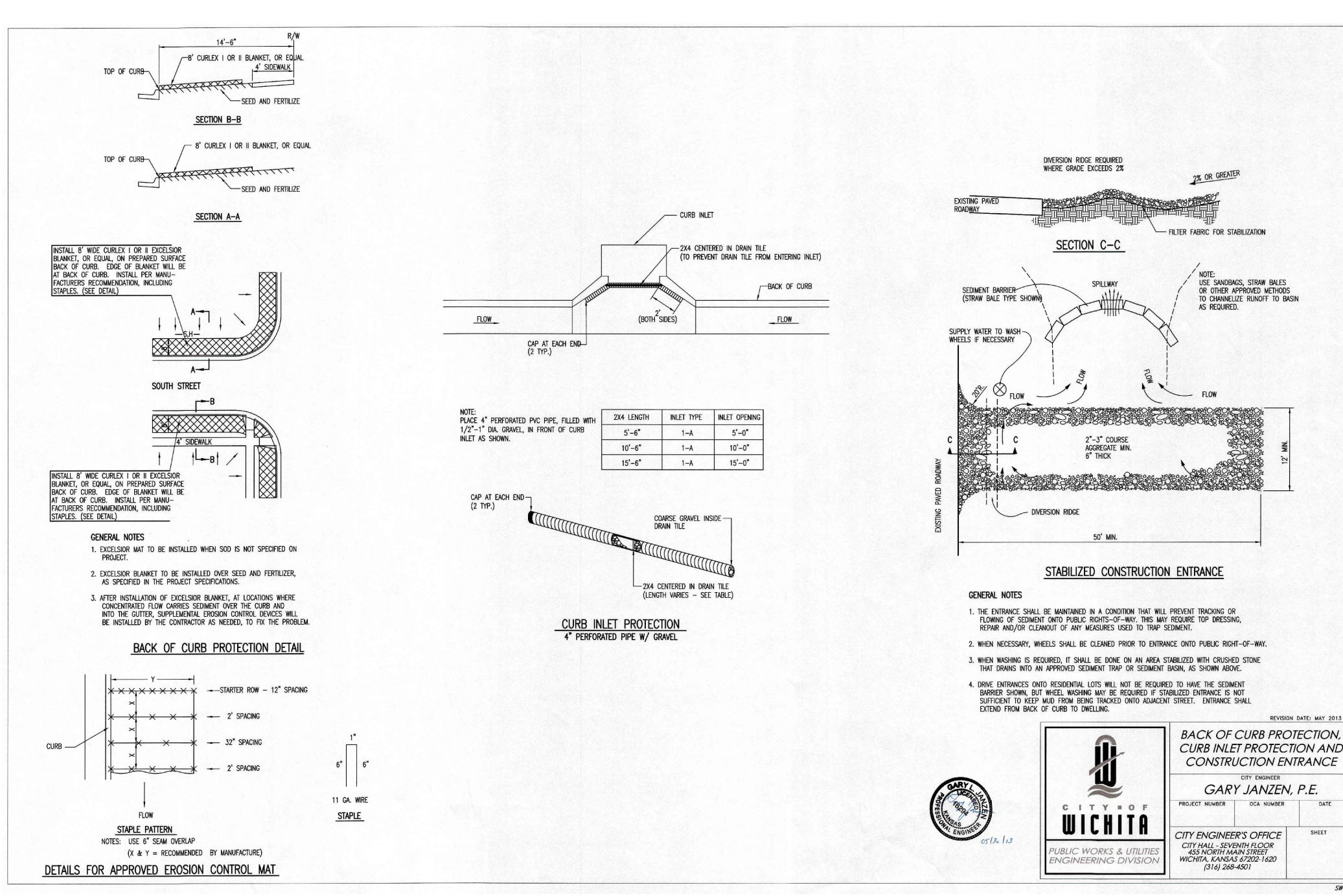


OWNER:
TIER 1, LLC
2243 N RIDGE RD, STE 150
WICHITA, KS 67205

DEVELOPER:
CLUB CARWASH OPERATING, LLC
1213 OLD HWY 63, STE 101
COLUMBIA, MO 65201

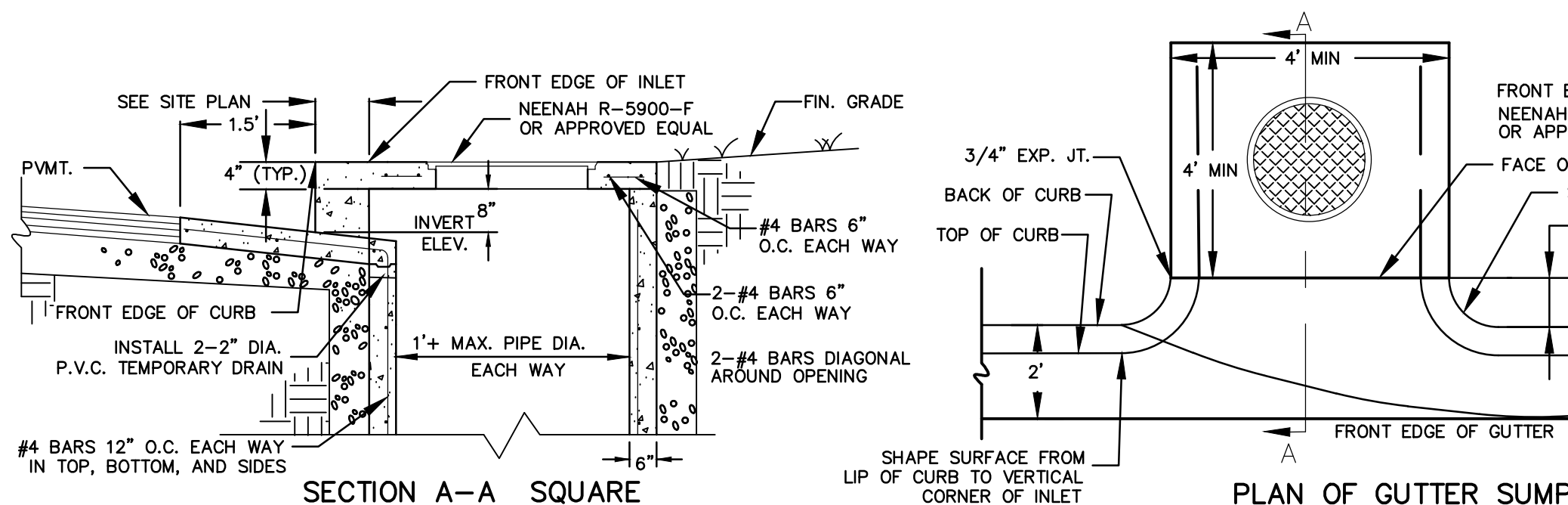
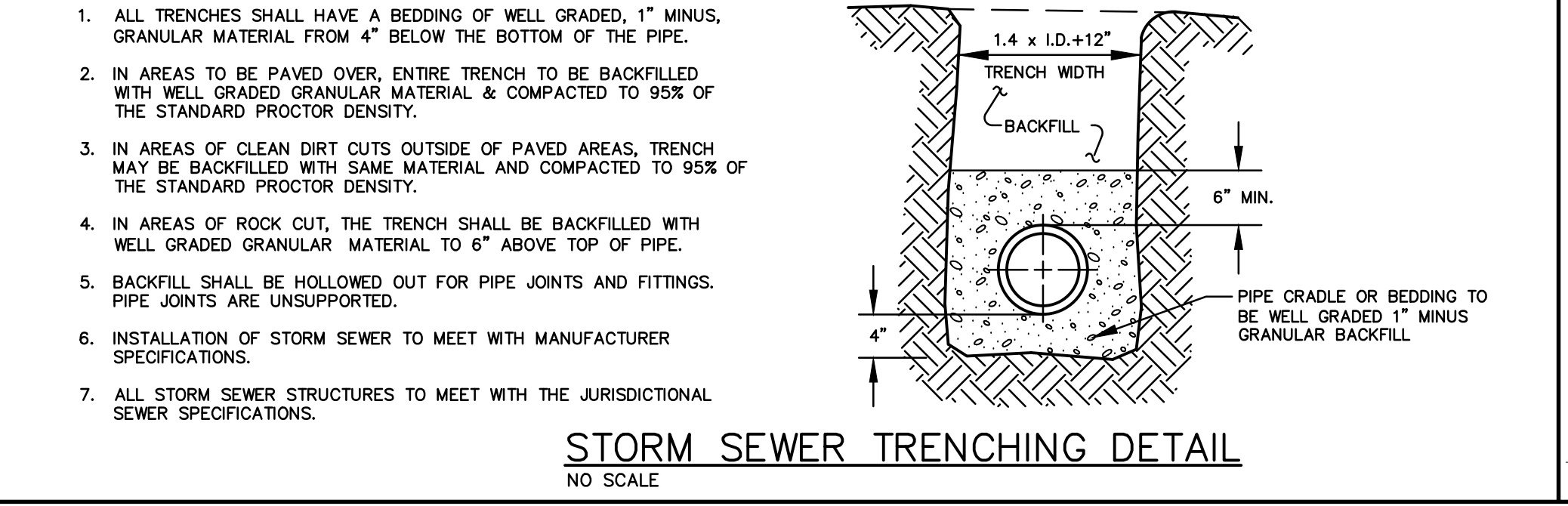
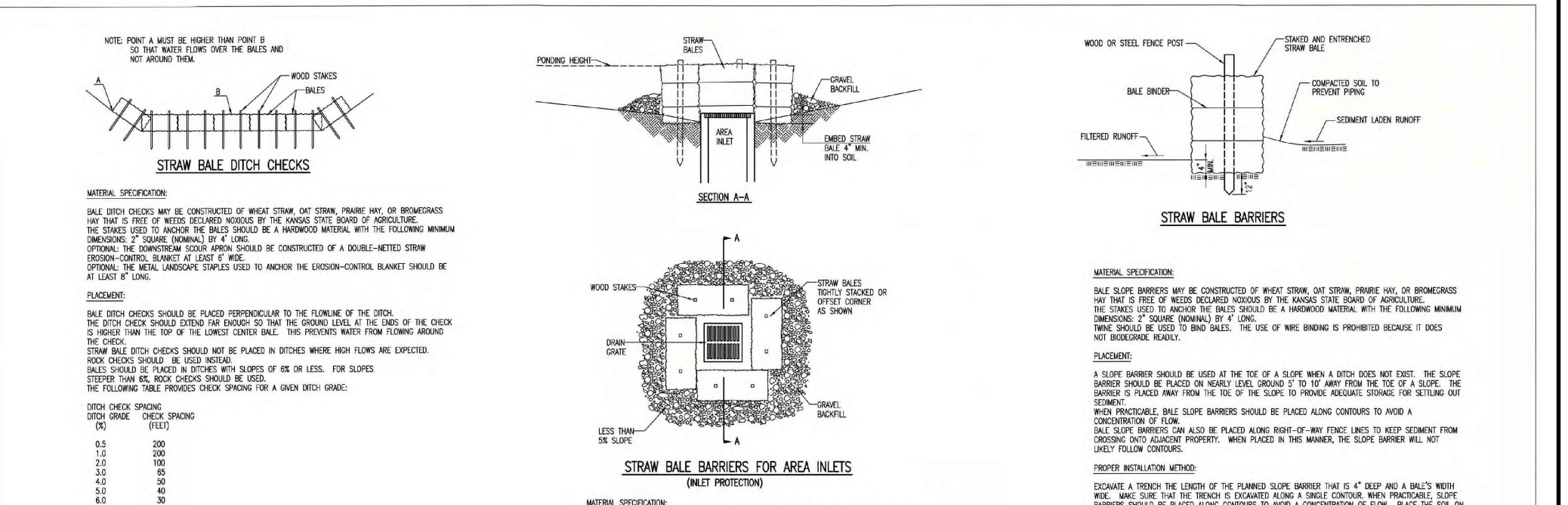
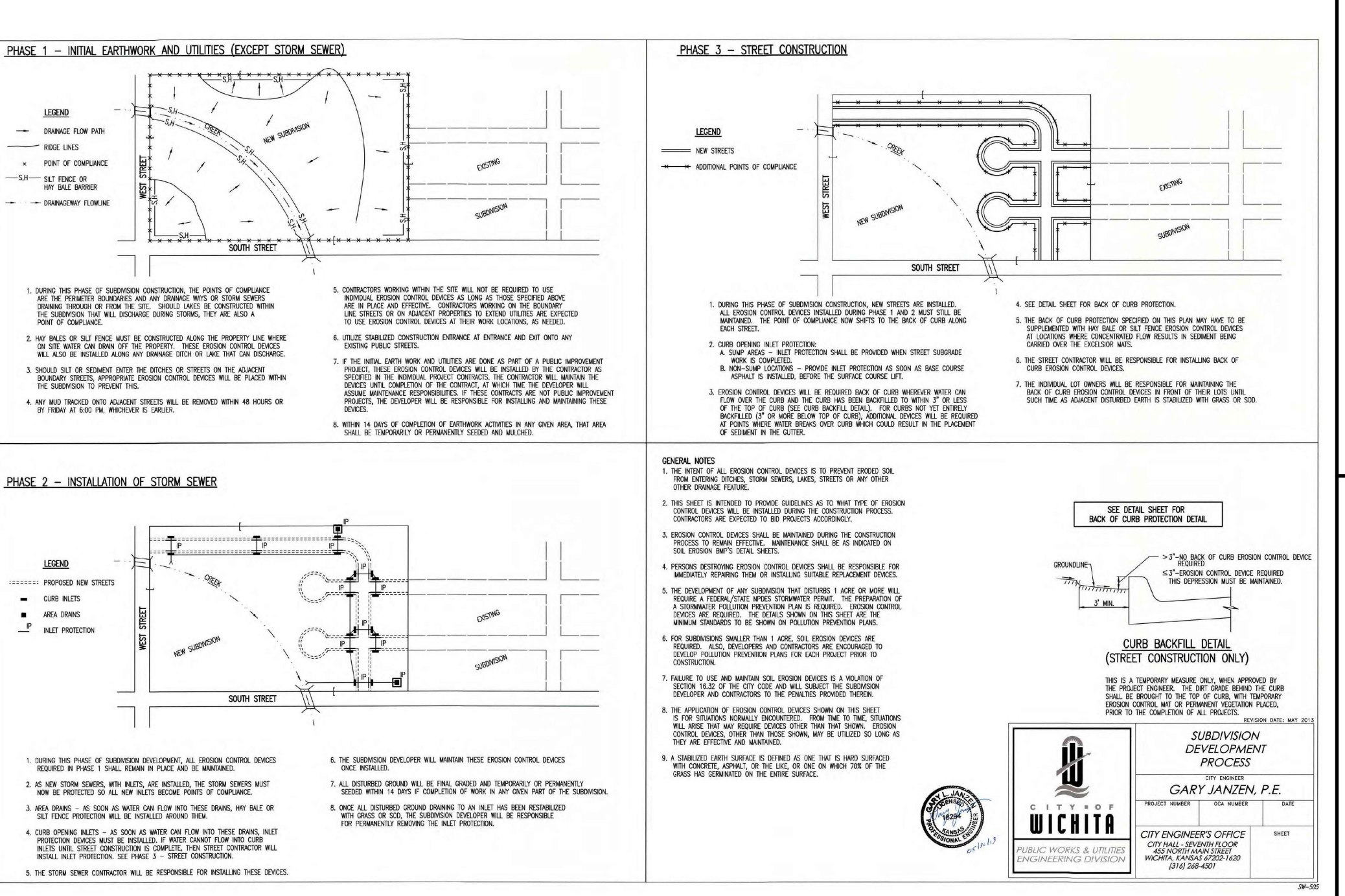
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DWG NAME: J:\2020\W20-7977 - COW N. Maize Rd.Stonebridge Commercial, Wichita, KS\ENGINEERING\AUTOCAD DRAWINGS\03_Construction Drawings\01_STORM SEWER IMPROVEMENT PLANS\W20-7977A_4_DETAILS-SPECIFIC-EROSION CONTROL.dwg LAYOUT TAB: 4 - PLOTTED ON: May 28, 2021 - 2:18pm PLOTTED BY: EBrown

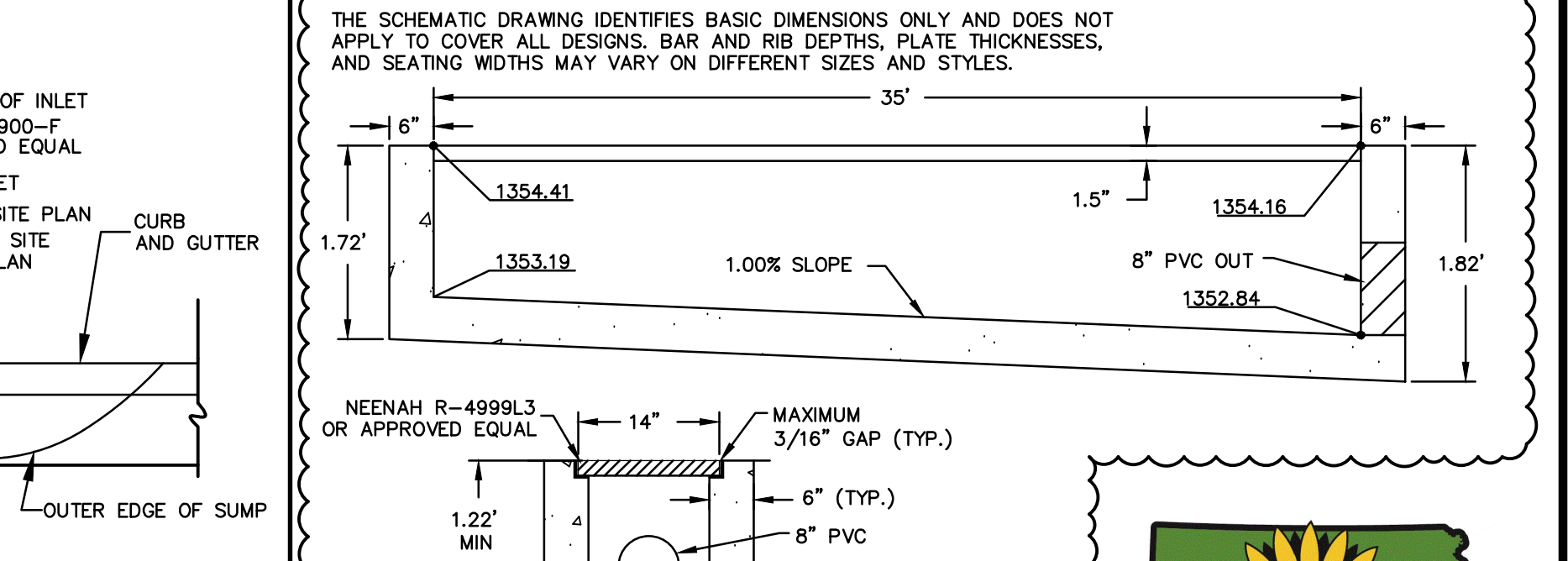
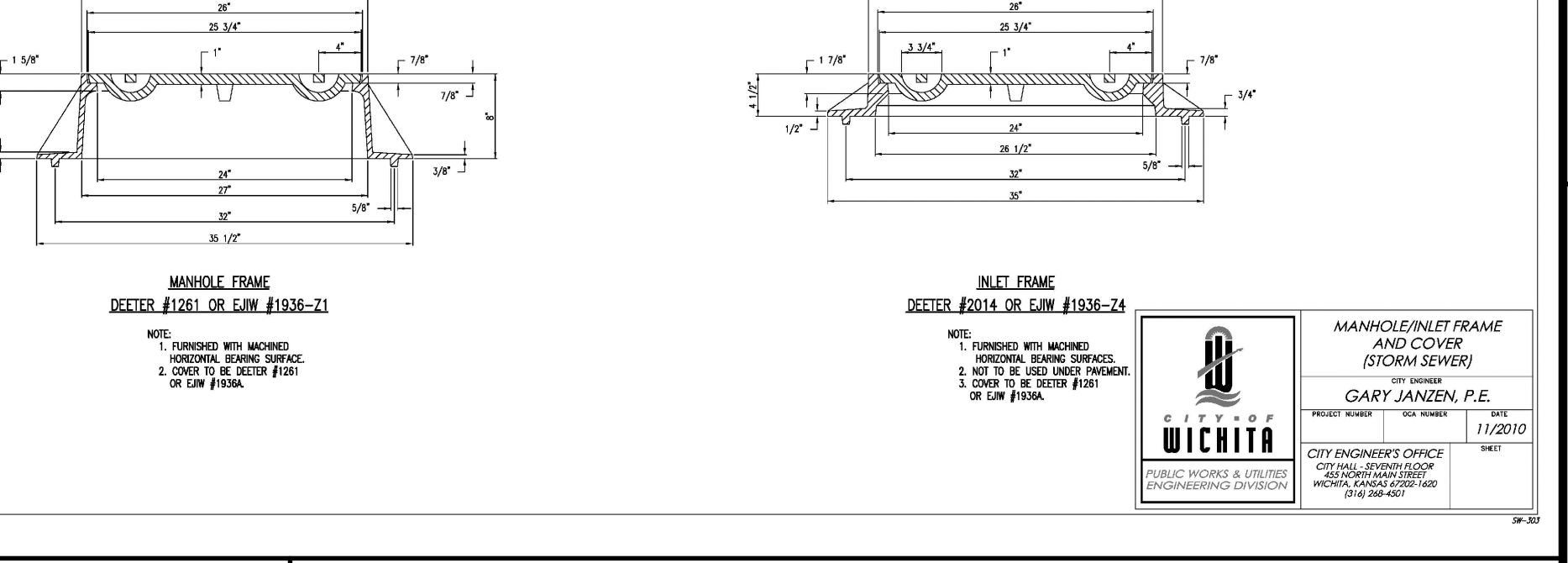
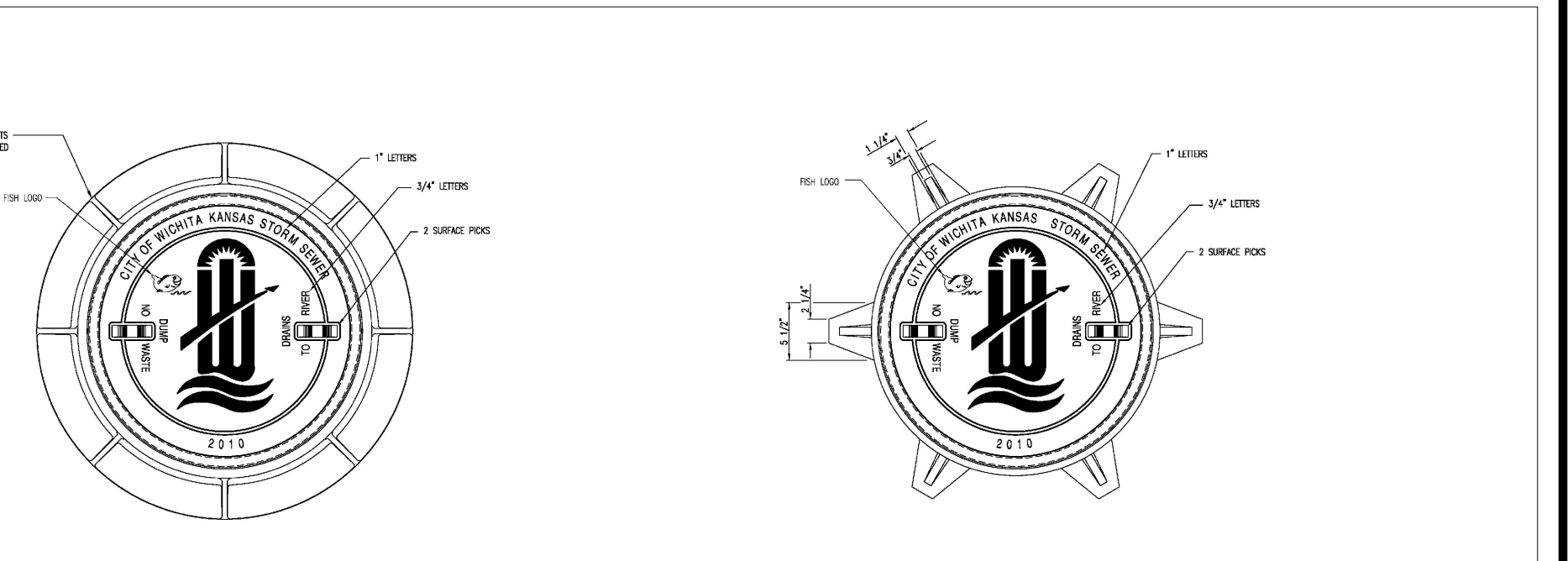
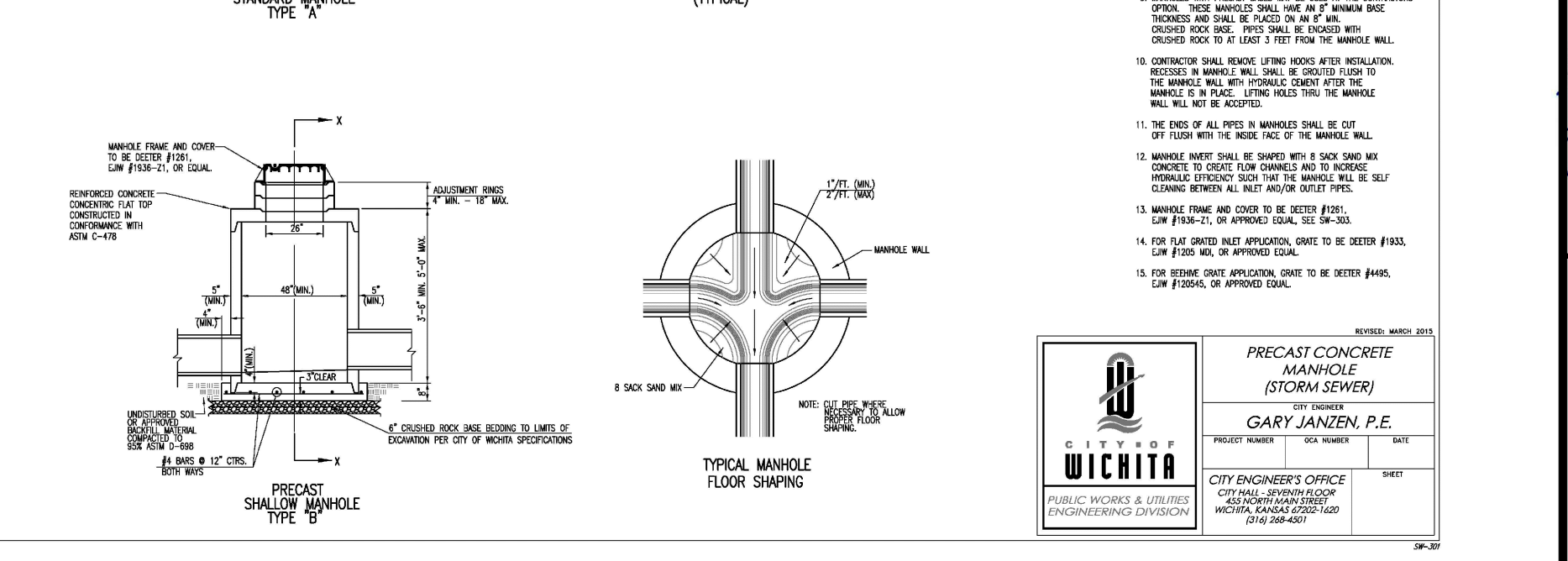
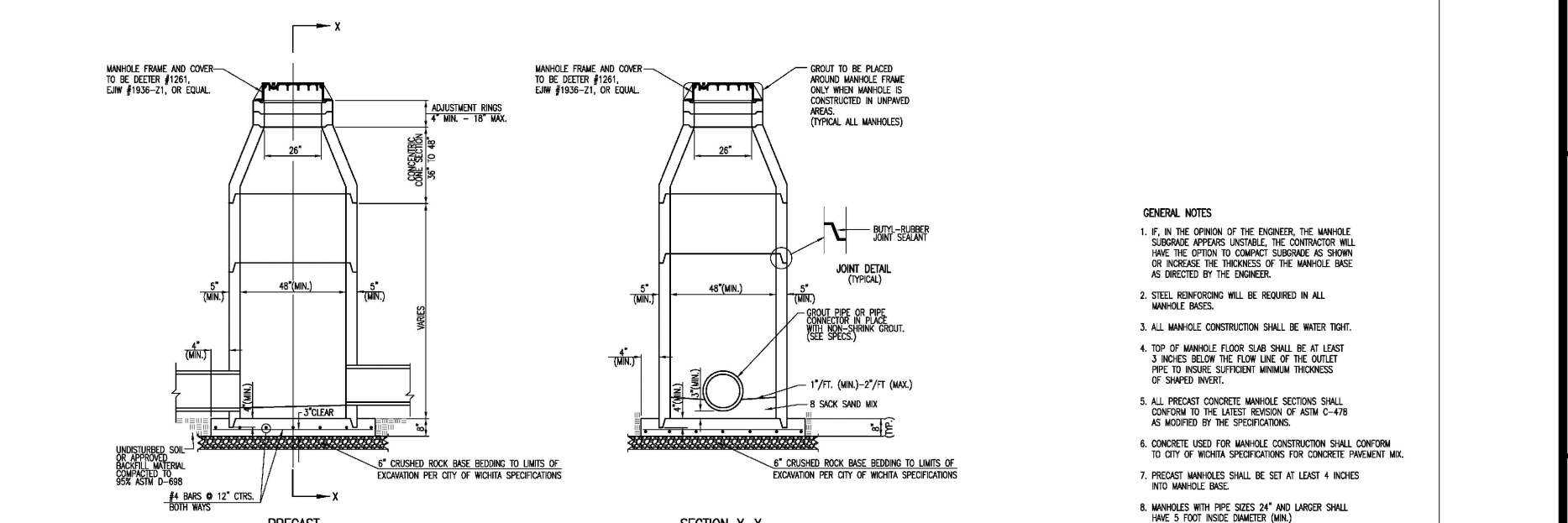
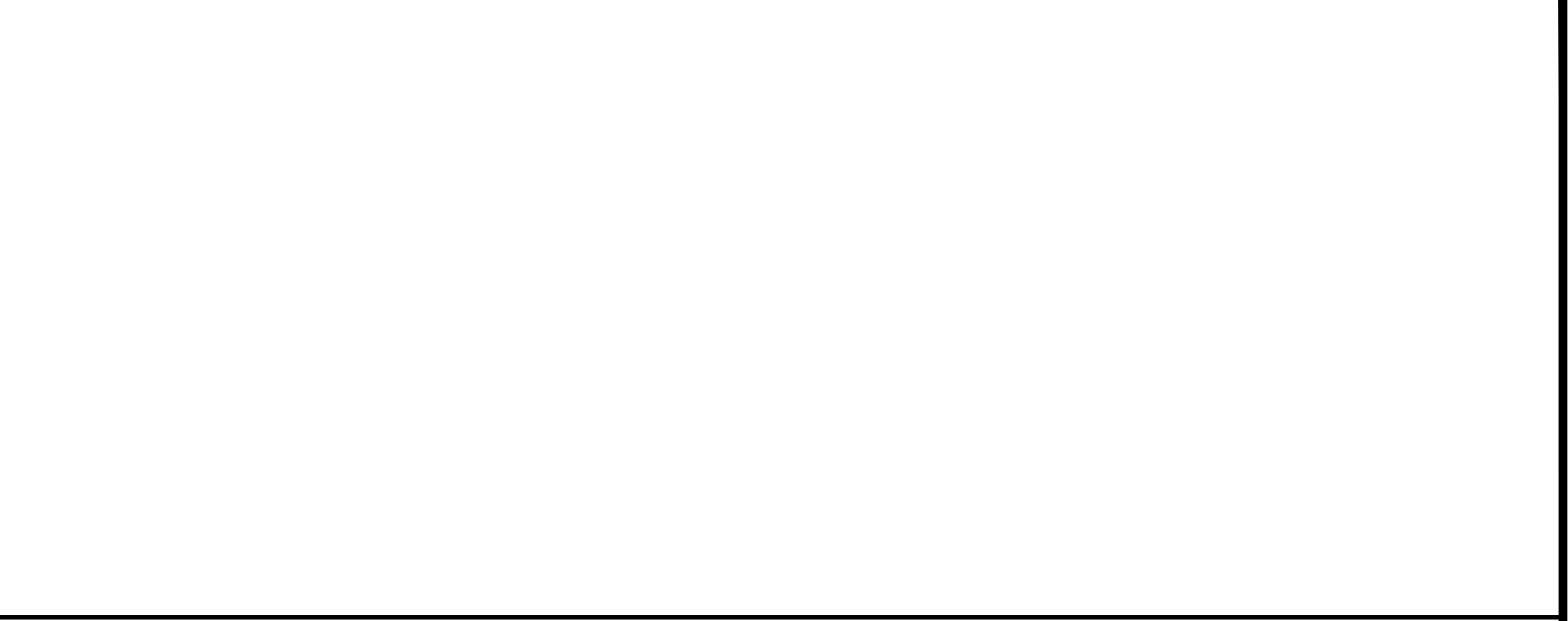


OWNER: TIER 1, LLC
2243 N RIDGE RD, STE 150
WICHITA, KS 67205

DEVELOPER: CLUB CARWASH OPERATING, LLC
1213 OLD HWY 63, STE 101
COLUMBIA, MO 65201



NOTE: THIS DETAIL IS TO BE USED FOR A CURB INLET OPEN ON BOTH SIDES. THE STRUCTURE MUST BE BUILT WITH AN OPENING IN THE FRONT AND BACK FOR THIS SITUATION.



THE SCHEMATIC DRAWING IDENTIFIES BASIC DIMENSIONS ONLY AND DOES NOT APPLY TO COVER ALL DESIGNS. BAR AND RIB DEPTHS, PLATE THICKNESSES, AND SEATING WIDTHS MAY VARY ON DIFFERENT SIZES AND STYLES.

636-332-6574 (Tel.)
636-327-0760 (Fax)
www.ochran.com
Civil Engineering
Land Surveying
Architecture
Site Development
General Consulting
Master Planning

North Office
8 East Main Street
Wentzville, Missouri 63385

Kansas State Certificate
Authority Numbers:
E-2927

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All OSHA rules & regulations must be strictly followed. Plans shall be strictly followed (i.e. trenching, blasting, etc.)

KURTIS J. DANIELS
LICENSED PROFESSIONAL ENGINEER
2007
KANSAS
E-2627

KURTIS J. DANIELS
E-2627

STORM SEWER IMPROVEMENTS
CLUB CARWASH
WICHITA, KANSAS

DATE:	REVISION:	BY:	APP'D. BY:
5/27/21	PER CITY COMMENTS	EMB	KJD

DATE: APR. 2021
SCALE: NO SCALE
PROJ. NO: M20-7977A
DWG. NO: 4

