

STORM SEWER IMPROVEMENTS

TO SERVE

CLUB CARWASH

21ST AND 127TH STREET
CITY OF WICHITA, KANSAS
GARY JANSEN, P.E. CITY ENGINEER

PROJECT NUMBER
2020-646 PPD (133119)



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:

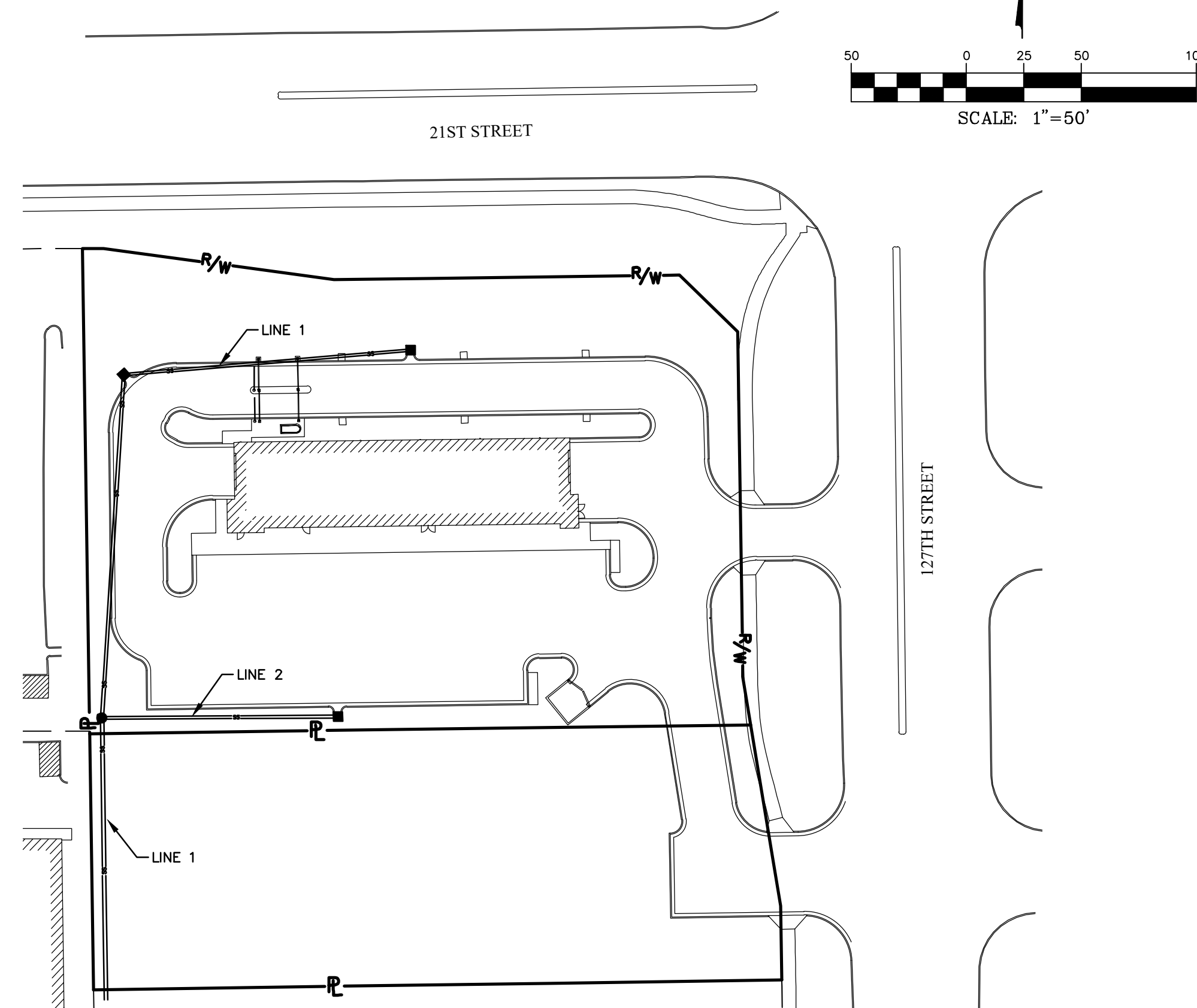
KANSAS ONE-CALL 687-2470

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 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. AND 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 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 AND 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.
- THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR 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 TOM MASON 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 RESPONSIBILITY.
- ALL ELEVATIONS SHOWN ARE NGVD 29.
- 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 MOUNDDED 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 CONTRACTORS EXPENSE.

AS BUILTS	
Contractor: McCullough Excavation, Inc. 9/18/2020	Project Inspector: Larry Gann KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242



BENCHMARKS

BM#1: SQUARE CUT IN TOP SOUTHEAST CORNER OF A TRAFFIC SIGNAL PAD, ON THE SOUTHWEST CORNER OF THE INTERSECTION OF 21ST AND 127TH.
ELEV. = 1361.18 NGVD 29
BM#2: SQUARE CUT IN TOP NORTHEAST CORNER OF A TRAFFIC SIGNAL PAD, ON THE SOUTHEAST CORNER OF THE INTERSECTION OF 21ST AND 127TH.
ELEV. = 1361.39 NGVD 29

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

STORMWATER CERTIFICATION:

NEW DEVELOPMENT OR REDEVELOPMENT (CIRCLE ONE)
STORMWATER PERMIT # SW2017-0039UD1
NOI PERMIT # S-WA20-0118/KSR115634

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) = 1.29
DISTURBED AREA (ACRES) = 1.40
WATER QUALITY TREATMENT: EXISTING IN RESERVE A & B
DOWNSTREAM CHANNEL PROTECTION: EXISTING IN RESERVE A & B
DETENTION: EXISTING IN RESERVE A & B
THE BMP USED FOR THIS DEVELOPMENT IS EXISTING IN RESERVE A & B

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
& STORMWATER DIVISION

ENGINEERING APPROVED BY SETH GOTCHEY 06-23-2020

STORMWATER APPROVED BY JOE HICKLE 06-23-2020

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.

JUNE, 2020

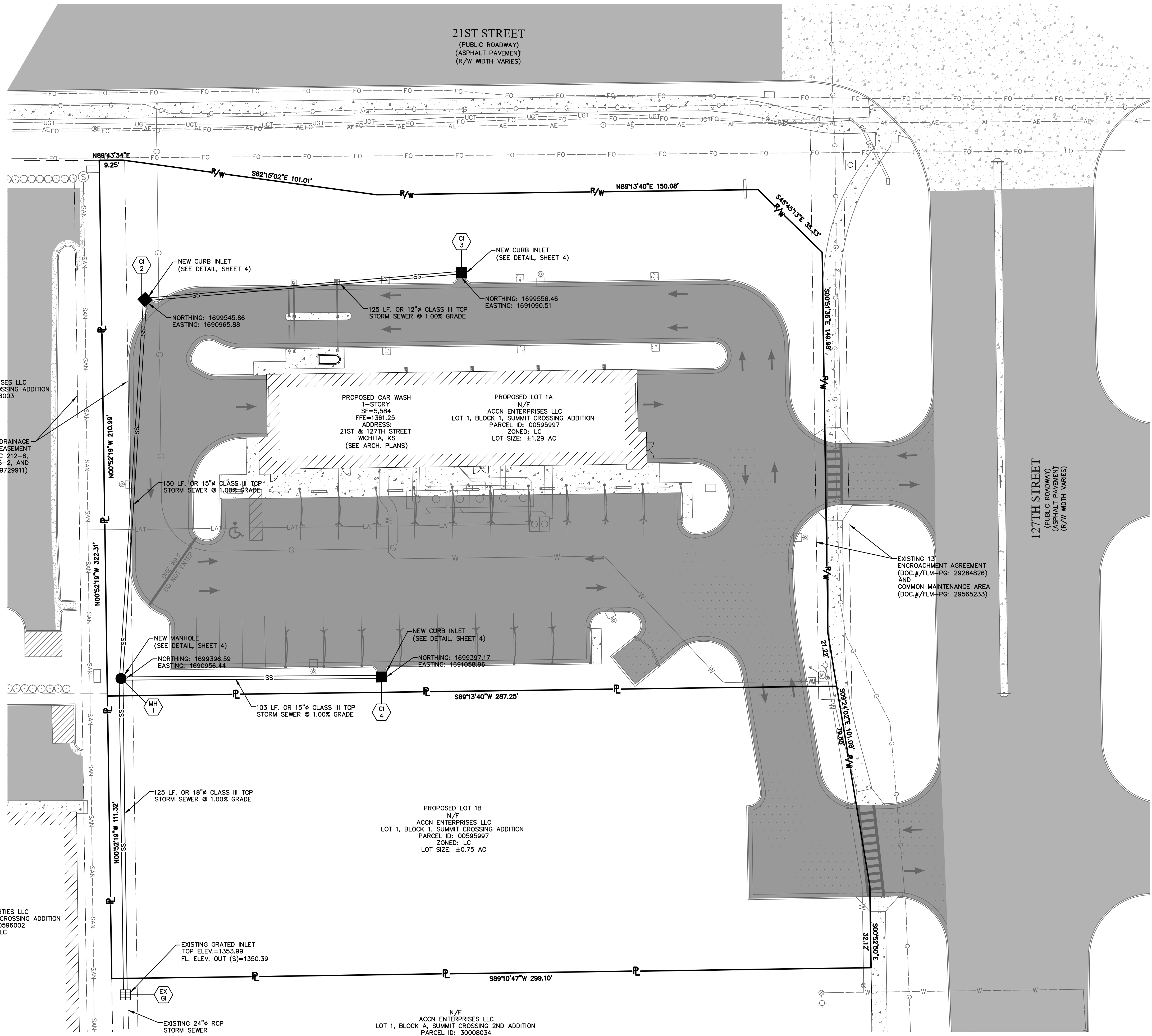
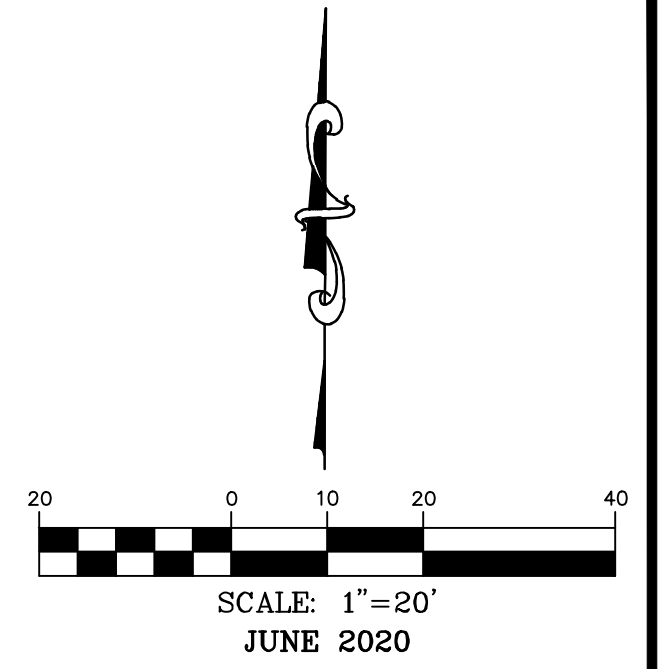


- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- SITE DEVELOPMENT
- MASTER PLANNING
- GENERAL CONSULTING

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



SITE PLAN



N/F
PAPAGALLO ENTERPRISES LLC
LOT 7, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00596003
ZONED: LC

N/F
LOEWEN PROPERTIES LLC
LOT 6, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00596002
ZONED: LC

NEW CURB INLET
(SEE DETAIL, SHEET 4)

NORTHING: 1699545.86
EASTING: 1690965.88

NEW CURB INLET
(SEE DETAIL, SHEET 4)

NORTHING: 1699556.46
EASTING: 1691090.51

150 LF. OR 15" CLASS III TCP
STORM SEWER @ 1.00% GRADE

NEW MANHOLE
(SEE DETAIL, SHEET 4)

NORTHING: 1699396.59
EASTING: 1690956.44

NEW CURB INLET
(SEE DETAIL, SHEET 4)

NORTHING: 1699397.17
EASTING: 1691058.96

125 LF. OR 18" CLASS III TCP
STORM SEWER @ 1.00% GRADE

PROPOSED LOT 1B
N/F
ACCN ENTERPRISES LLC
LOT 1, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00595997
ZONED: LC
LOT SIZE: ±0.75 AC

EXISTING GRATED INLET
TOP ELEV.=1353.89
FL. ELEV. OUT (S)=1350.39

N/F
ACCN ENTERPRISES LLC
LOT 1, BLOCK A, SUMMIT CROSSING 2ND ADDITION
PARCEL ID: 30008034
ZONED: LC

127TH STREET
(PUBLIC ROADWAY)
(ASPHALT PAVEMENT)
(R/W WIDTH VARIES)

21ST STREET
(PUBLIC ROADWAY)
(ASPHALT PAVEMENT)
(R/W WIDTH VARIES)

OWNER: ACCN ENTERPRISES, LLC 17498 SW MEADOWLAKE RD. ROSE HILL, KS 67133	DEVELOPER: CLUB CARWASH OPERATING, LLC 1213 OLD HWY 63, STE 101 COLUMBIA, MO 65201
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636-332-4574 (tel.)
636-327-0760 (fax)
www.ochran.com

OC HRAN

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

North Office
8 East Main Street
Wentzville, Missouri 63385

Kansas State Certificate
of Authority Numbers:
E-2927

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

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

KURTIS J. DANIEL
LICENSED
20277
KANSAS
PROFESSIONAL ENGINEER

KURTIS J. DANIEL
E-2627

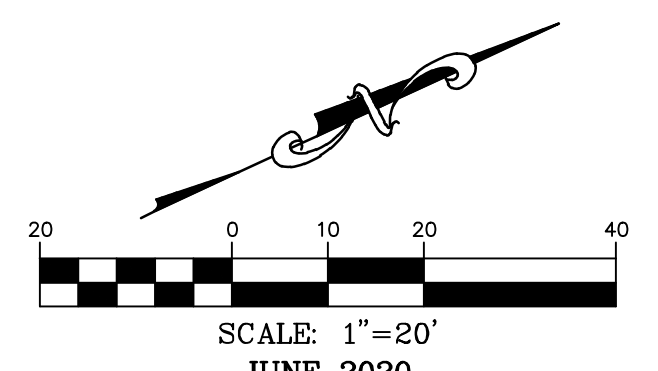
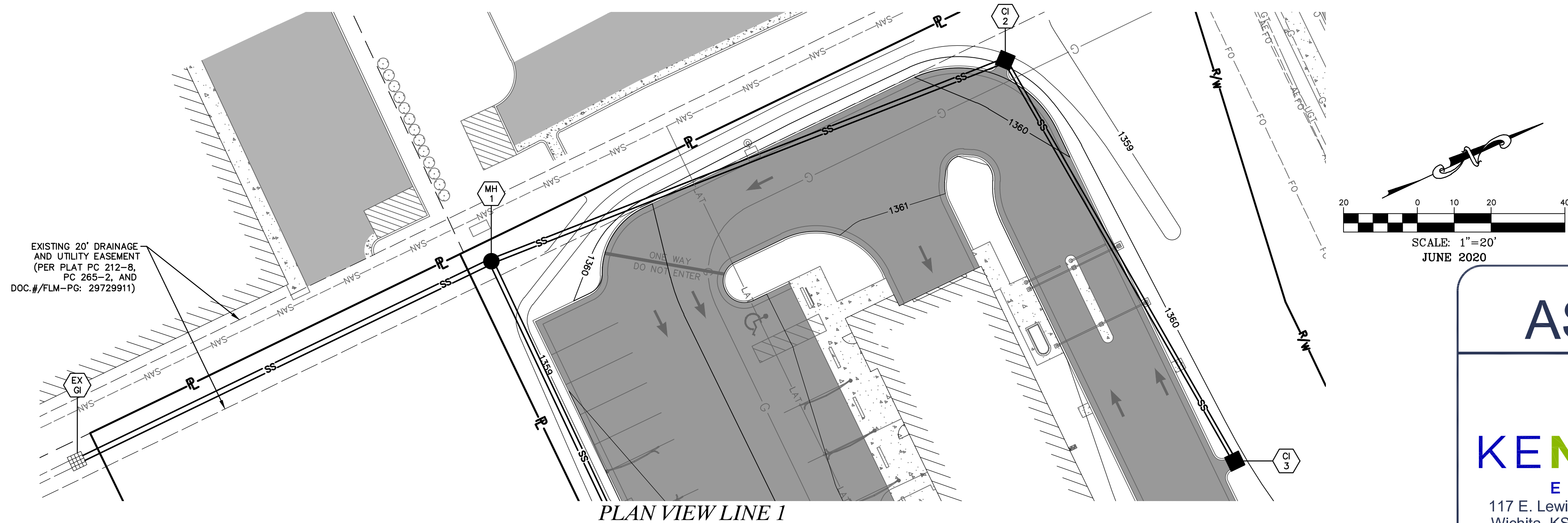
**STORM SEWER IMPROVEMENTS
CLUB CARWASH
WICHITA, KS**

DATE:	DATE:
DESIGN:	DESIGN:
DATE:	DATE:
DRN. BY:	APPD. BY:
ERH	KJD
DATE:	DATE:
JUNE 2020	JUNE 2020
SCALE:	SCALE:
1" = 20'	1" = 20'
PROJ. NO.:	PROJ. NO.:
2020-646 PPD	2020-646 PPD
DWG. NO.:	DWG. NO.:
1	1




DWG NAME: J:\2019\W19-7787 - 21st & 127th St., Wichita, KS\W19-7787 - Civil Design\ENGINEERING\AUTOCAD DRAWINGS\03_Construction Drawings\02_STORM SEWER IMPROVEMENT PLANS\SUBMITTED\2020-06-23 SUBMITTED\CAD\787B_1_SITE PLAN.dwg LAYOUT TAB: 1 PLOTTED ON: Jun 23, 2020 - 11:40am PLOTTED BY: Echeckm

PLAN AND PROFILE

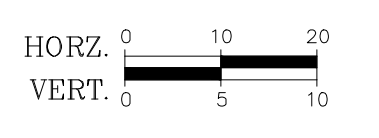
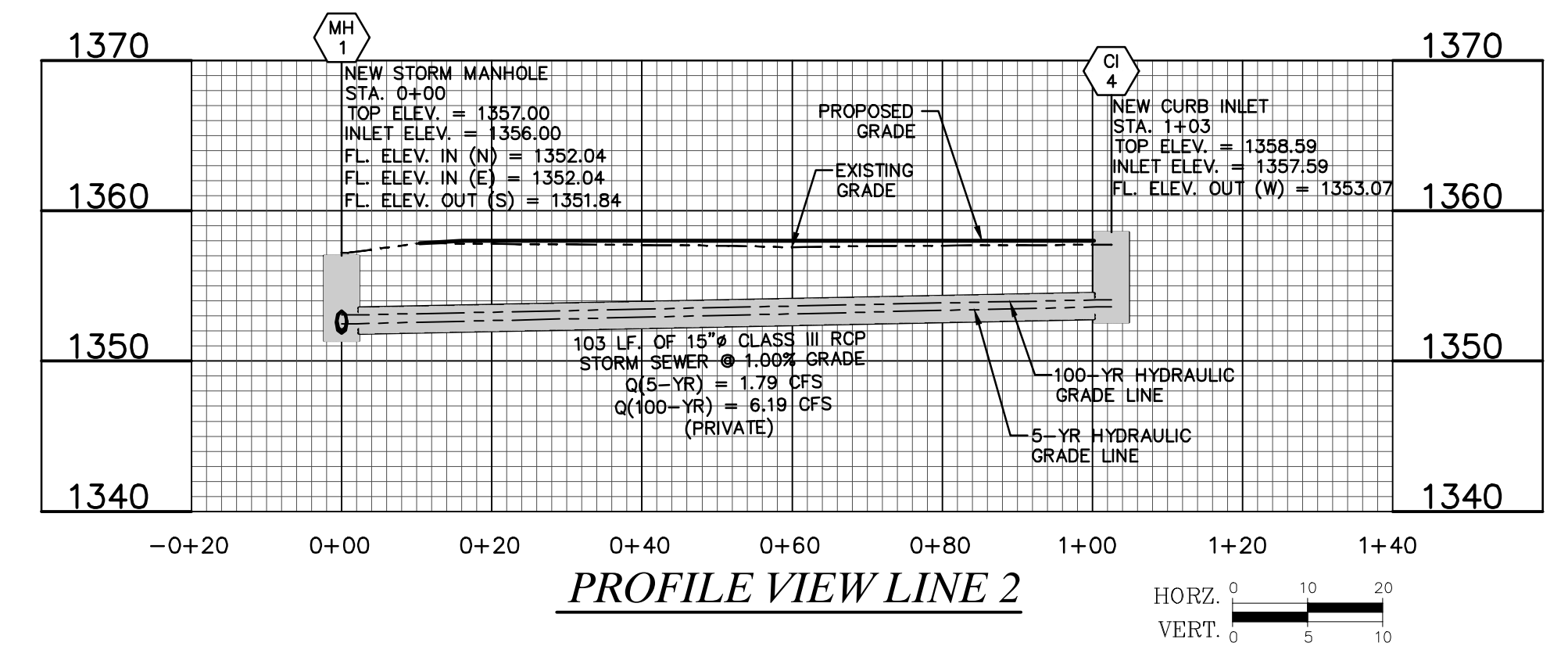
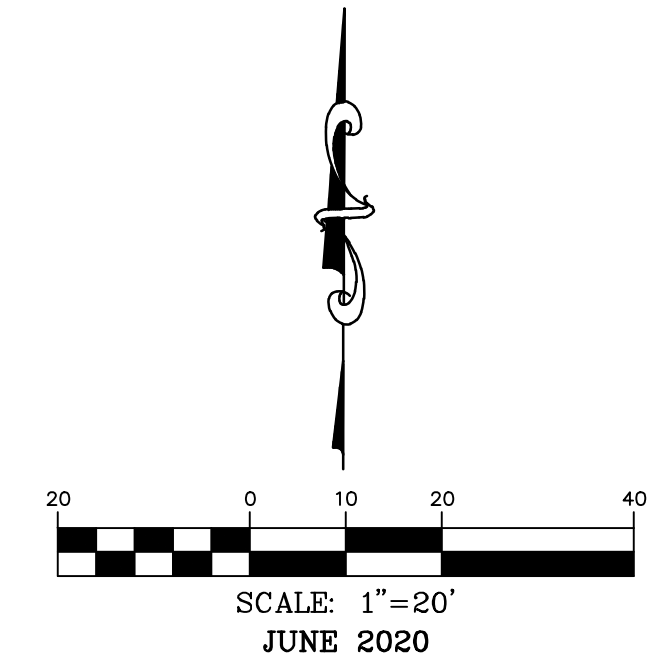
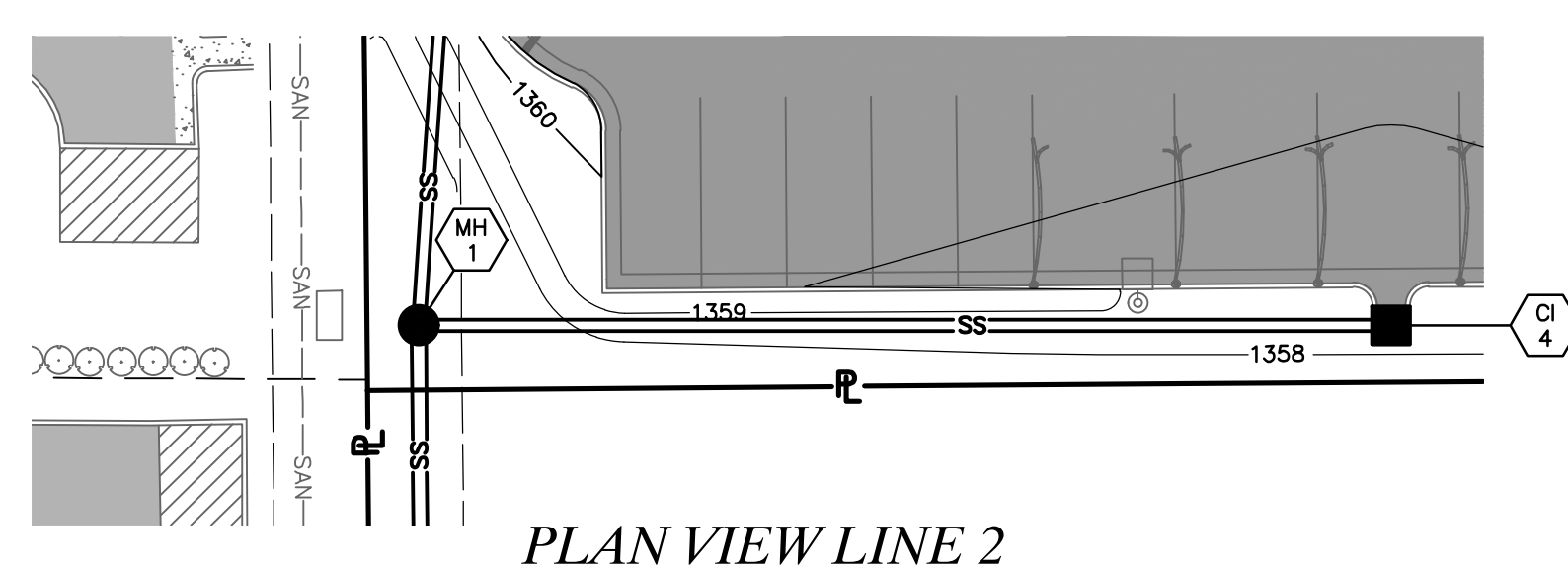
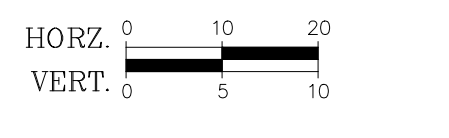
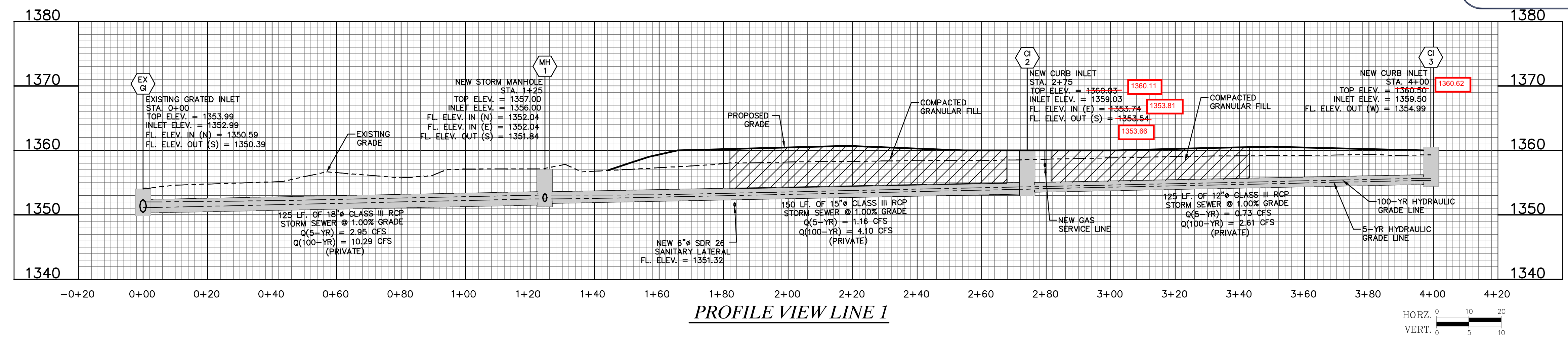


AS BUILTS



117 E. Lewis,
Wichita, KS 67202

(316)264-0242



OWNER:
ACCN ENTERPRISES, LLC
17498 SW MEADOWLAKE RD.
ROSE HILL, KS 67133

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



STORM SEWER IMPROVEMENTS
CLUB CARWASH
WICHITA, KS

PLAND AND PROFILE

DATE: _____
 DESIGNED BY: _____
 CHECKED BY: _____
 DRAWN BY: _____
 APP'D BY: _____

DATE: JUNE 2020
 DRAWN BY: ERH
 CHECKED BY: KJD
 APP'D BY: _____
 SCALE: 1" = 20'
 SCALE: 1" = 10'
 PROJECT NO: 2020-646 PPD
 DRAWING NO: 2

KEMILLER ENGINEERING PA
 117 E. Lewis,
 Wichita, KS 67202
 (316)264-0242

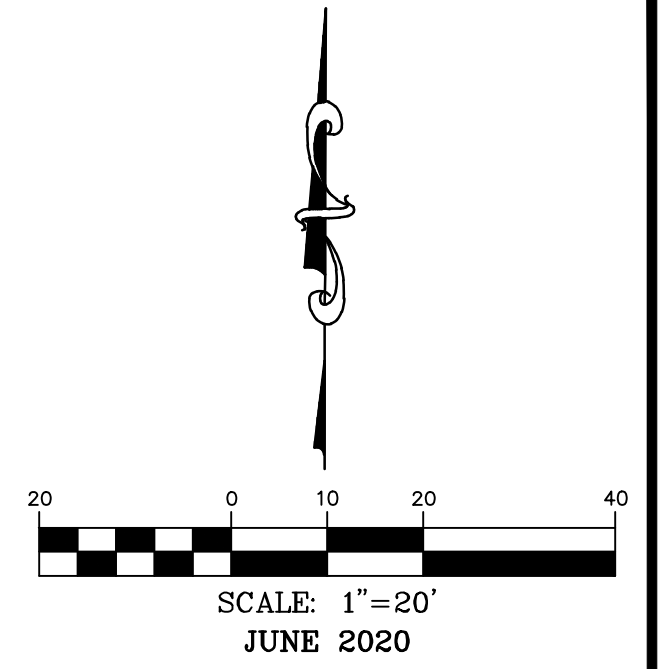
KURTIS J. DANIEL
 LICENSED PROFESSIONAL ENGINEER
 KANSAS
 E-2627

Two working days prior to the start of any excavation, call 1-800-485-SAFE for utility location information.
 All OSHA rules & regulations and construction requirements for these plans shall be strictly followed (i.e. trenching, blasting, etc.).

Kansas State Certificate of Authority Number: E-2927
COCHRAN
 Civil Engineering
 Land Surveying
 Architecture
 Site Development
 General Consulting
 Master Planning
 North Office
 8 East Main Street
 Wentzville, Missouri 63385
 636-332-4574 (tel.)
 636-327-0760 (fax)
 wentzville@cochrancorp.com

DWG NAME: s:\2019\W19-7787 - 21st & 127th St., Wichita, KS\W19-7787B - Civil Design\ENGINEERING\AUTOCAD DRAWINGS\03_Construction Drawings\02_STORM SEWER IMPROVEMENT PLANS\SUBMITTED\2020-06-23 SUBMITTED\CAD\787B-2-PLAN AND PROFILE.PLT PLOTTED ON: Jun 23, 2020 - 11:41am PLOTTED BY: Checkman

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.

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

COCHRAN

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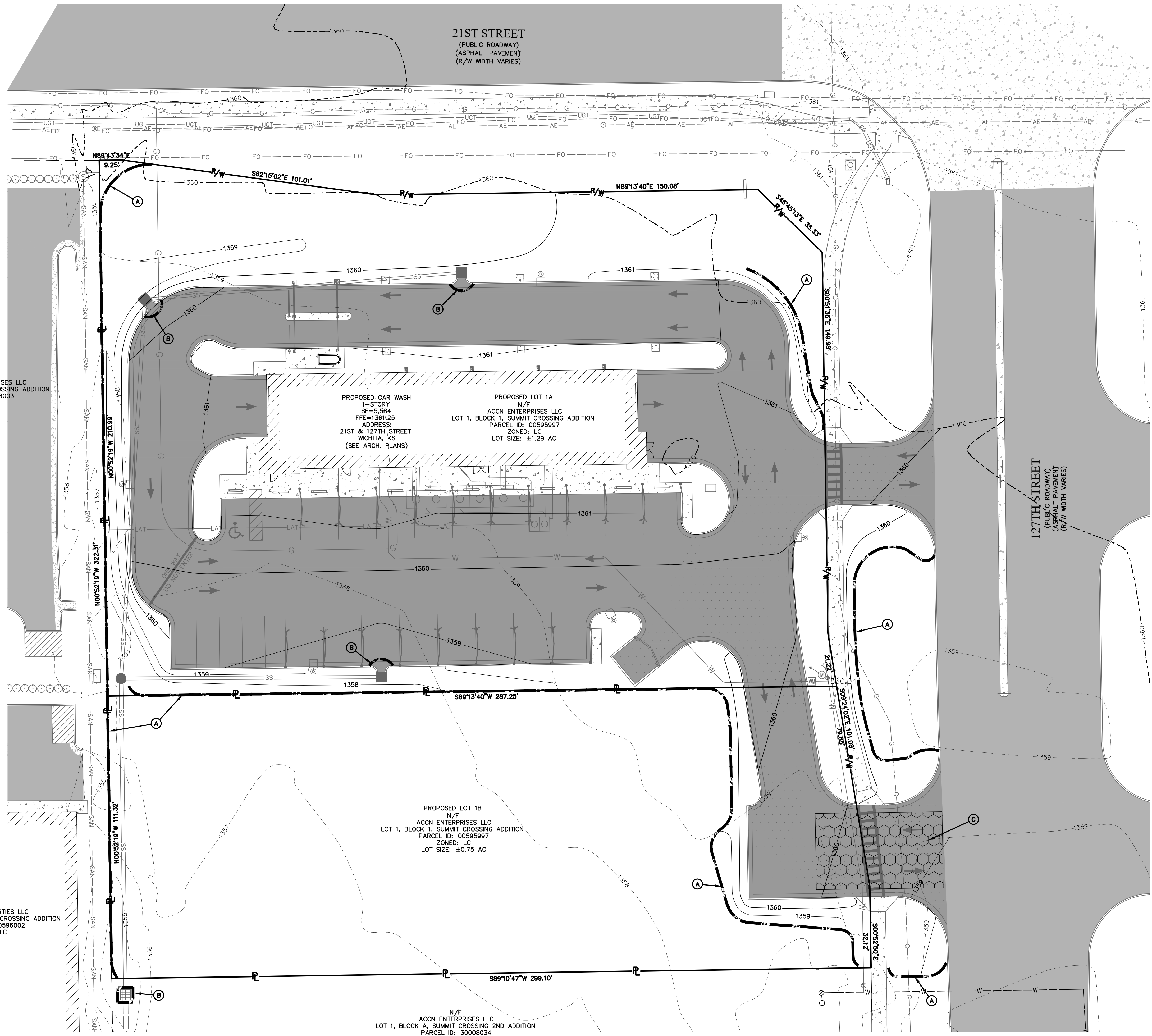
Two working days prior to the start of any excavation call 1-800-NIC-SAFE for utility location information.

All OSHA rules & regulations concerning required safety plans shall be strictly followed (i.e. trenching, blasting, etc.)

KURTIS J. DANIEL
LICENSED PROFESSIONAL ENGINEER
KANSAS
E-2627

STORM SEWER IMPROVEMENTS CLUB CARWASH WICHITA, KS

DATE	BY	APP'D BY
	ERH	KJD
DATE: JUNE 2020		
SCALE: 1" = 20'		
PROJ. NO.: 2020-646 PPD		
DWG. NO.: 3		



N/F
PAPAGALLO ENTERPRISES LLC
LOT 7, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00596003
ZONED: LC

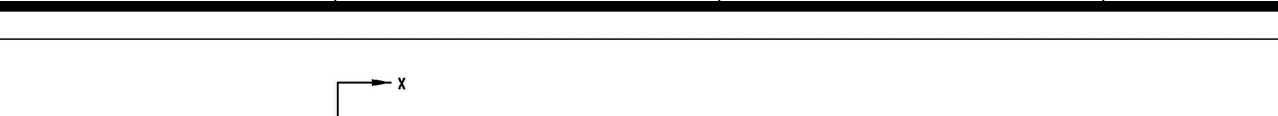
N/F
LOEWEN PROPERTIES LLC
LOT 6, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00596002
ZONED: LC

PROPOSED LOT 1B
N/F
ACCN ENTERPRISES LLC
LOT 1, BLOCK 1, SUMMIT CROSSING ADDITION
PARCEL ID: 00595997
ZONED: LC
LOT SIZE: ±0.75 AC

N/F
ACCN ENTERPRISES LLC
LOT 1, BLOCK A, SUMMIT CROSSING 2ND ADDITION
PARCEL ID: 30008034
ZONED: LC

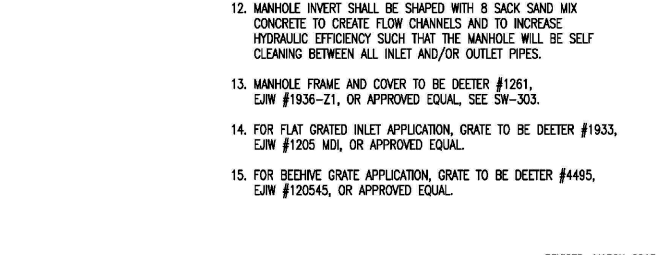
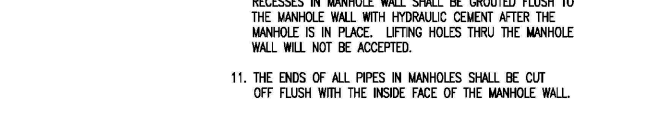
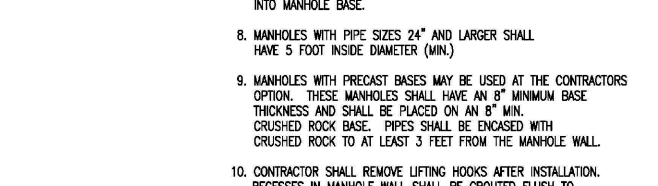
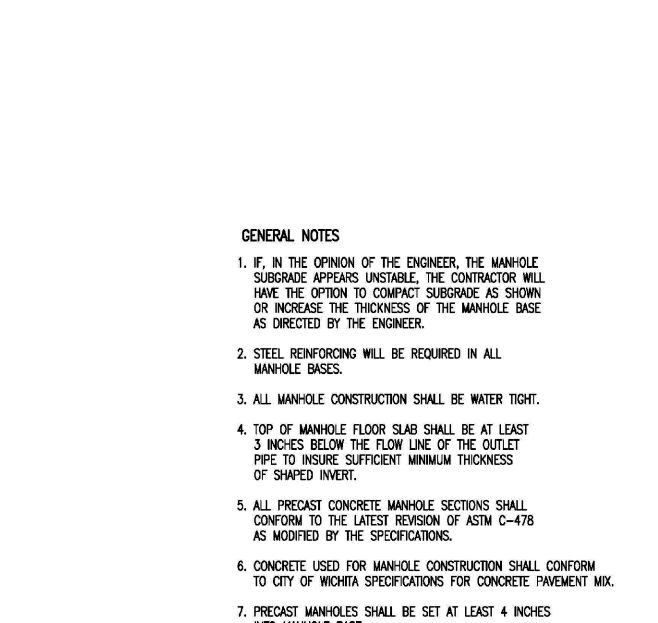
OWNER:	DEVELOPER:
ACCN ENTERPRISES, LLC 17498 SW MEADOWLAKE RD. ROSE HILL, KS 67133	CLUB CARWASH OPERATING, LLC 1213 OLD HWY 63, STE 101 COLUMBIA, MO 65201

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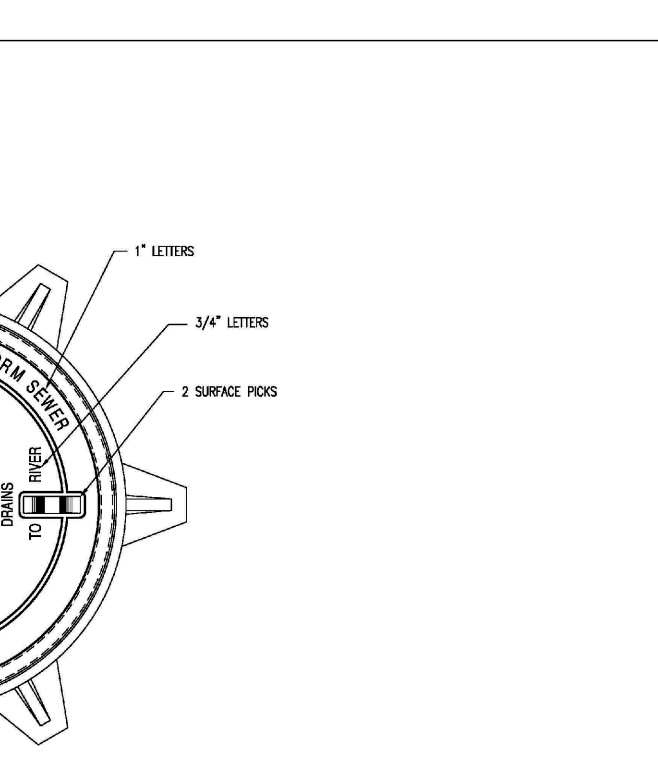
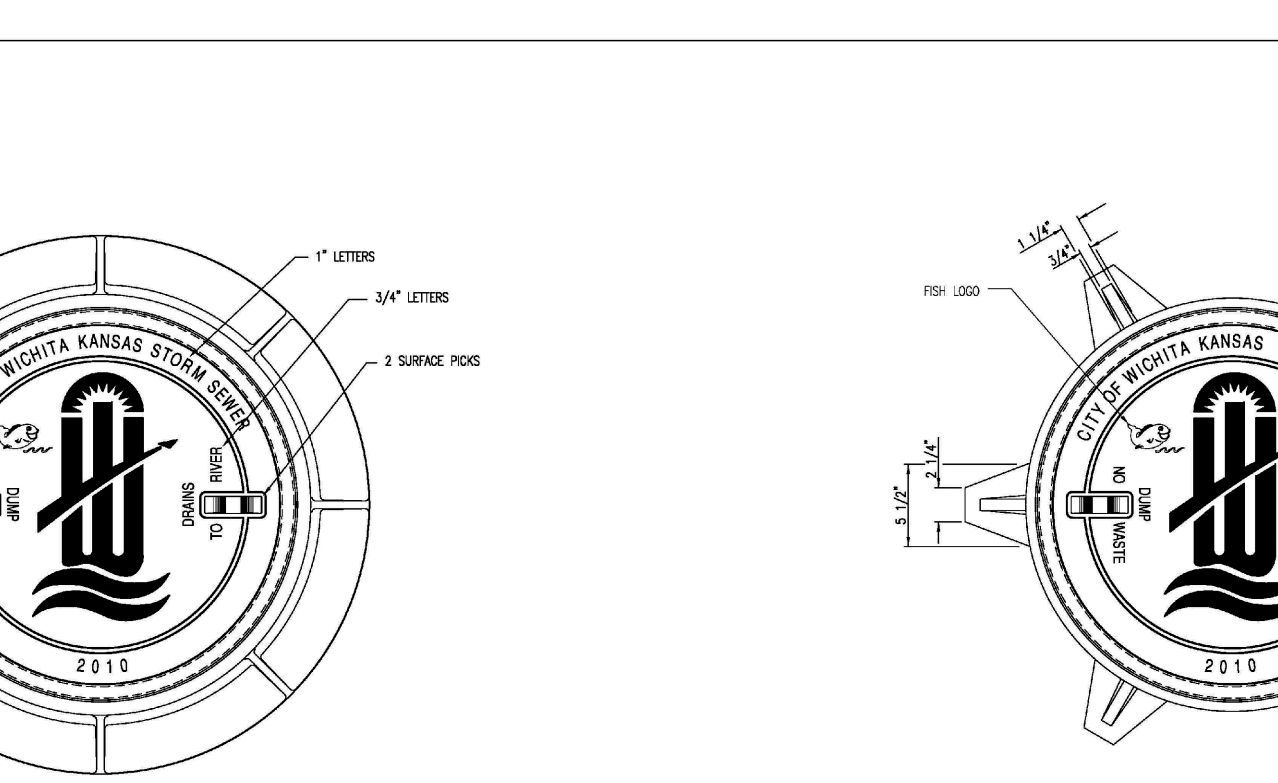


GENERAL NOTES

- IF IN THE OPINION OF THE ENGINEER THE MANHOLE SURFACE APPEARS UNDESIRABLE, THE CONTRACTOR SHALL MAKE THE TOP OF THE MANHOLE SURFACE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE WALL AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE WALLS.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- TOP OF MANHOLE FLOOR SHALL BE AT LEAST 3/4" ABOVE THE FINISH GRADE OF THE GULLET PIPE TO MAINTAIN MINIMUM THICKNESS OF MANHOLE FLOOR.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-208 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO SET OF RECORD SPECIFICATIONS FOR CONCRETE PORTLAND CEM. TYPE I.
- PRECAST MANHOLE SECTIONS SHALL BE SET AT LEAST 4" ABOVE FINISH GRADE.
- MANHOLE WALLS WITH FACE SIZES 18" AND LARGER SHALL HAVE 3" FOOT INSIDE DIAMETER (MIN).
- MANHOLE WALLS WITH PRECAST BARS MAY BE USED AS THE CONTRACTOR SEES. THESE MANHOLE WALLS SHALL HAVE 1" MINIMUM ROSE THICKNESS AND SHALL BE SET AT 4" ABOVE FINISH GRADE. REINFORCING STEEL SHALL BE EMBEDDED WITH COVERED ROCK OR AT LEAST 1" FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOODS AFTER INSTALLATION. REINFORCE MANHOLE WALL SHALL BE SMOOTH TO THE MANHOLE WALL WITH HYDRALIC SCREED AFTER THE MANHOLE IS IN PLACE. 1/2" RIBS FROM THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE RINGS OF ALL PRECAST MANHOLES SHALL BE SET OFF FROM THE FINISH GRADE OF THE MANHOLE WALL BY THE SPECIFIED HEIGHT DIMENSIONS.
- MANHOLE INVERT SHALL BE SHOWN WITH 8" SACK SAND AND CONCRETE CURB FROM CHANGES AND TO MAINTAIN IMPROPER EXCESSIVE SLOPE THAT THE MANHOLE WILL BE SELF-CLEANING GENERAL ALL INVERT MANHOLE DEPTHS.
- MANHOLE FRAME AND COVER TO BE SET AT 1" BELOW FINISH GRADE PER 1" APPROVED EQUAL.
- FOR P.L.C. SIZES NOT APPROVED EQUAL TO BE SET AT 1" BELOW FINISH GRADE PER 1" APPROVED EQUAL.
- FOR RECORD ONLY APPLICATIONS TO BE SET AT 1" BELOW FINISH GRADE PER 1" APPROVED EQUAL.



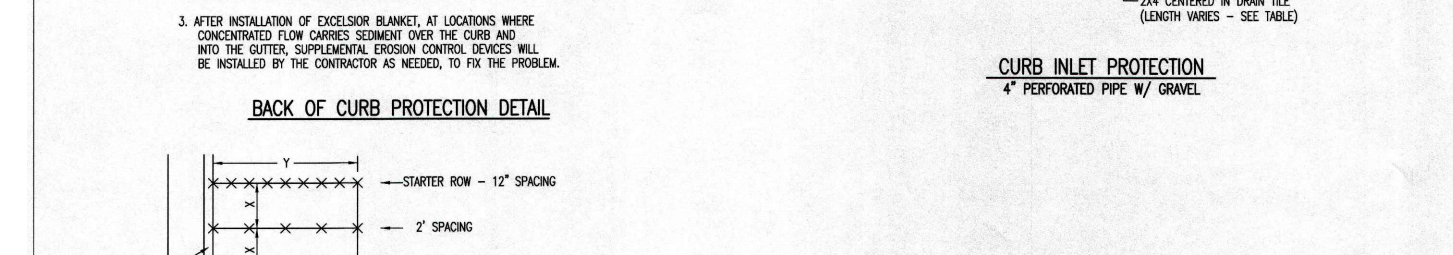
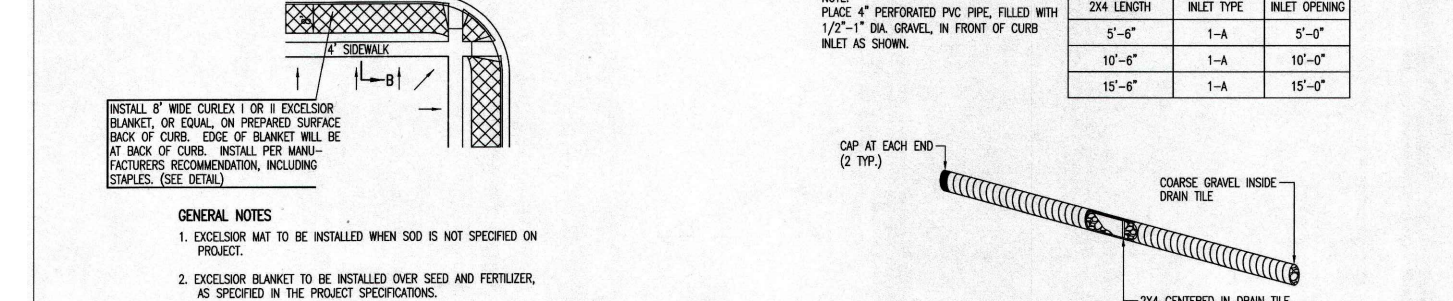
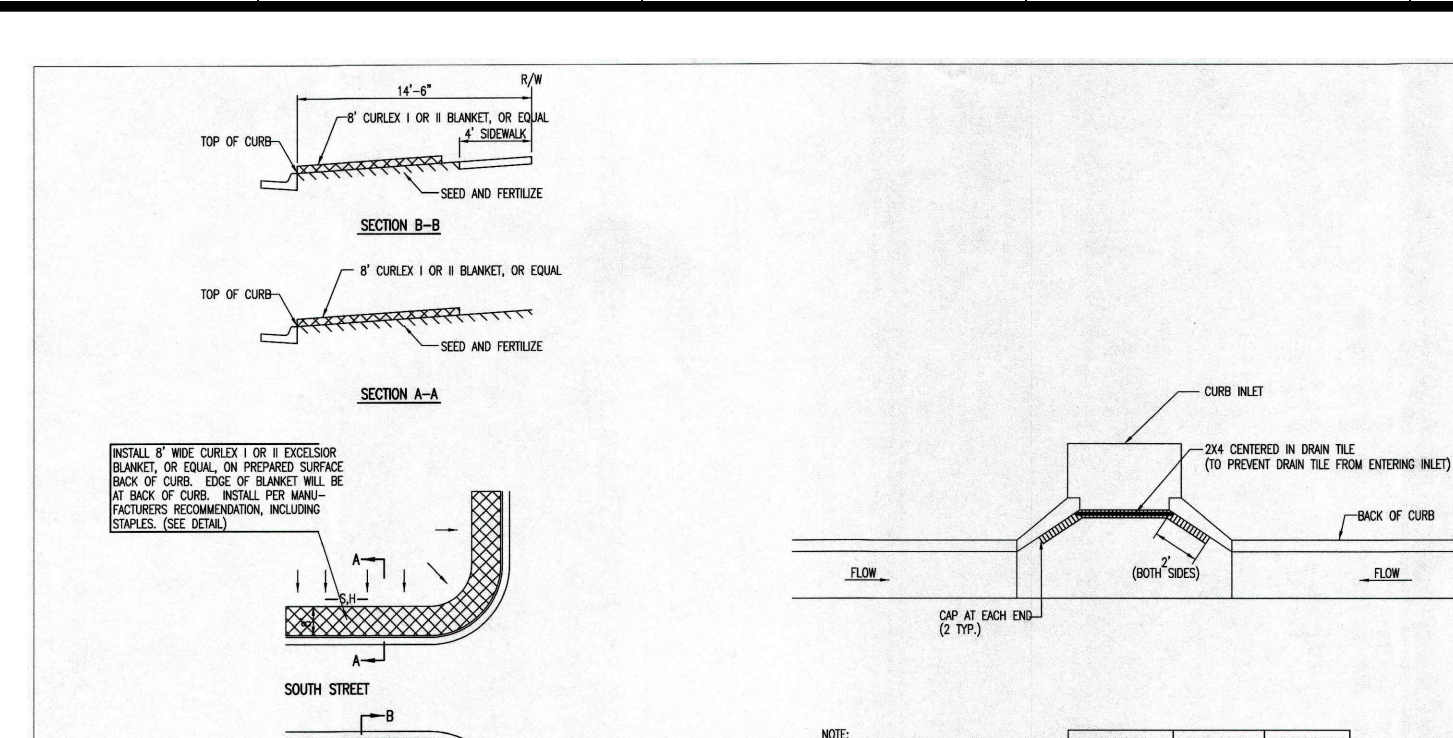
PRECAST CONCRETE MANHOLE (STORM SEWER)
 CITY ENGINEER'S OFFICE
 CITY OF WICHITA
 PUBLIC WORKS & UTILITIES ENGINEERING DIVISION
 314-288-4207



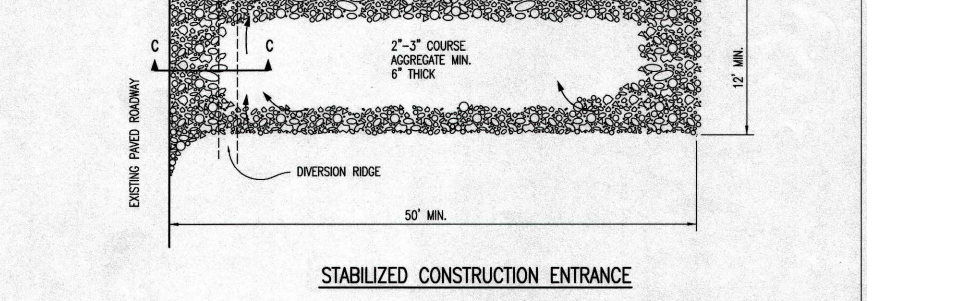
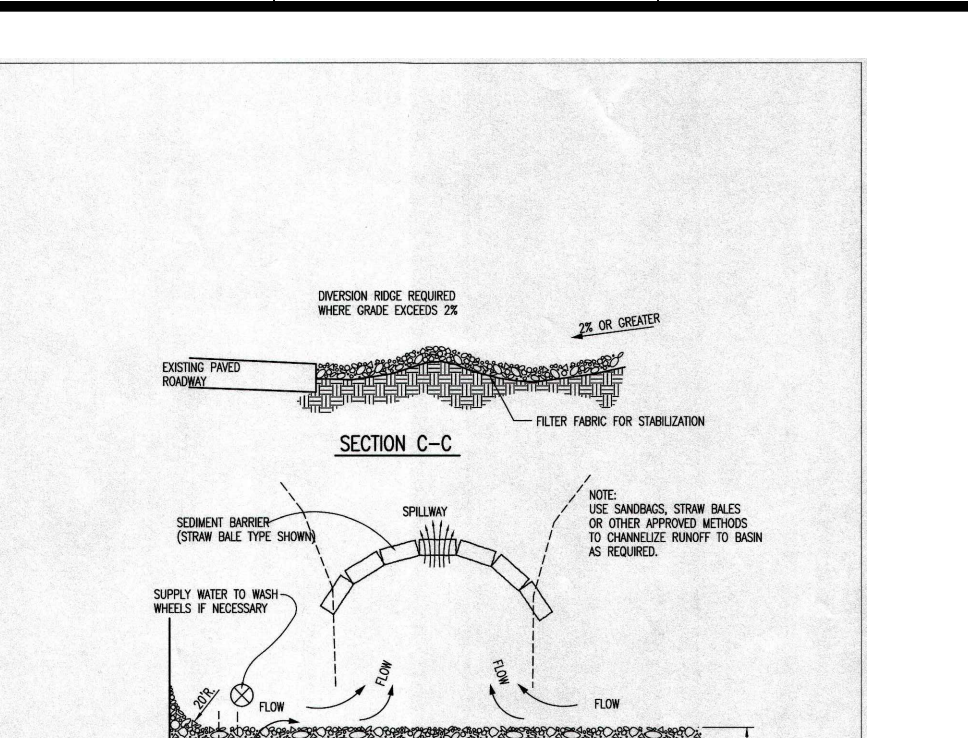
MANHOLE FRAME	DEETER #1261 OR E.I.W. #1936-21
NOTE:	1. FINISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
	2. COVER TO BE DEETER #1261 OR E.I.W. #1936.

INLET FRAME	DEETER #1261 OR E.I.W. #1936-24
NOTE:	1. FINISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
	2. COVER TO BE DEETER #1261 OR E.I.W. #1936.

MANHOLE/INLET FRAME AND COVER (STORM SEWER)
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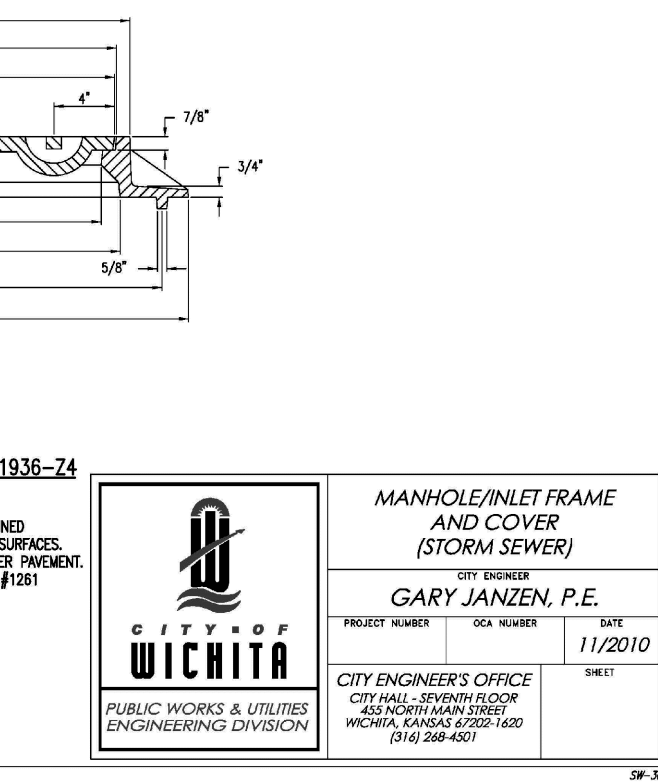
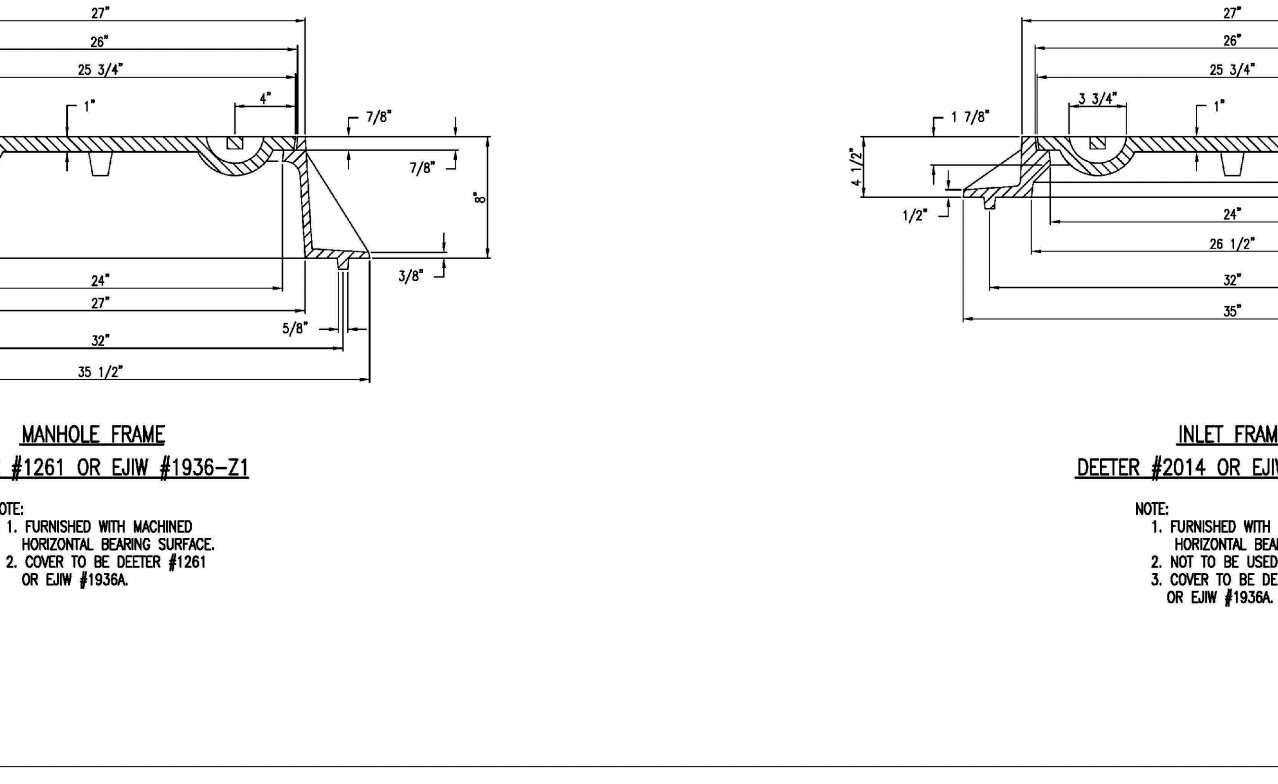
DETAILS FOR APPROVED EROSION CONTROL MAT



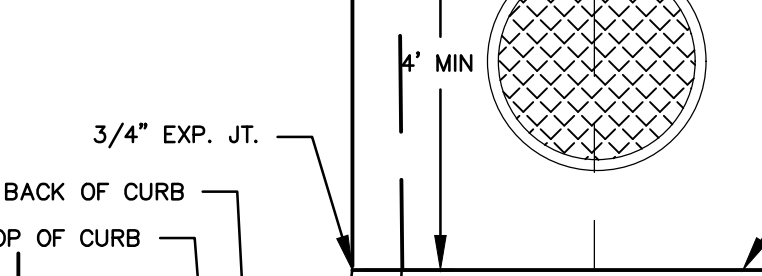
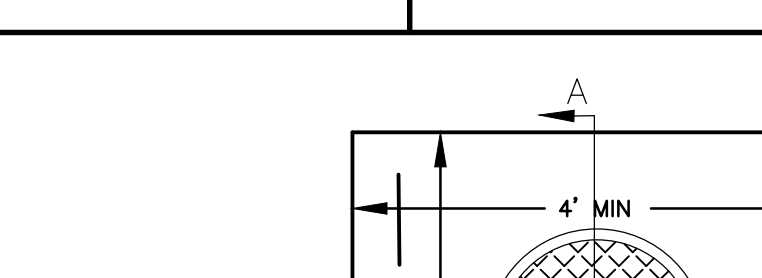
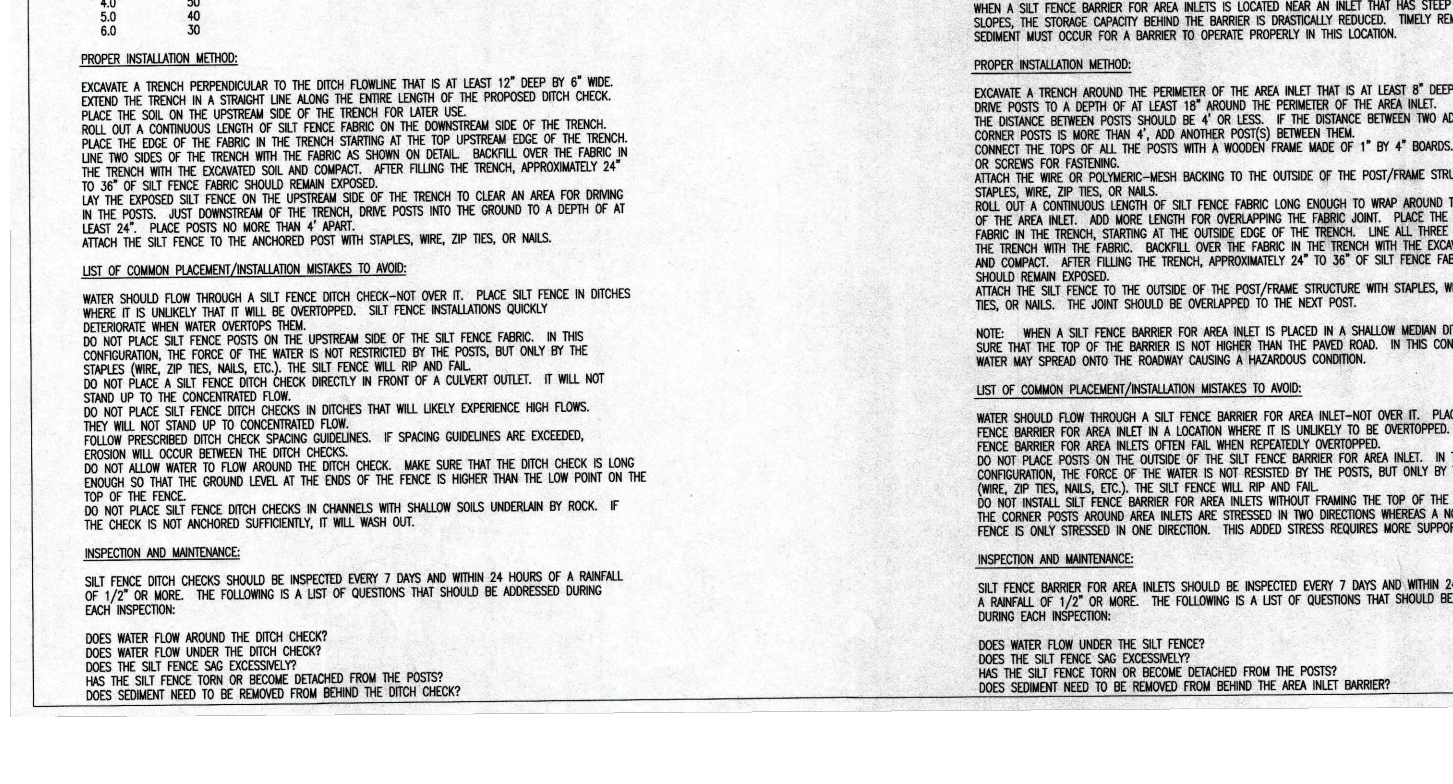
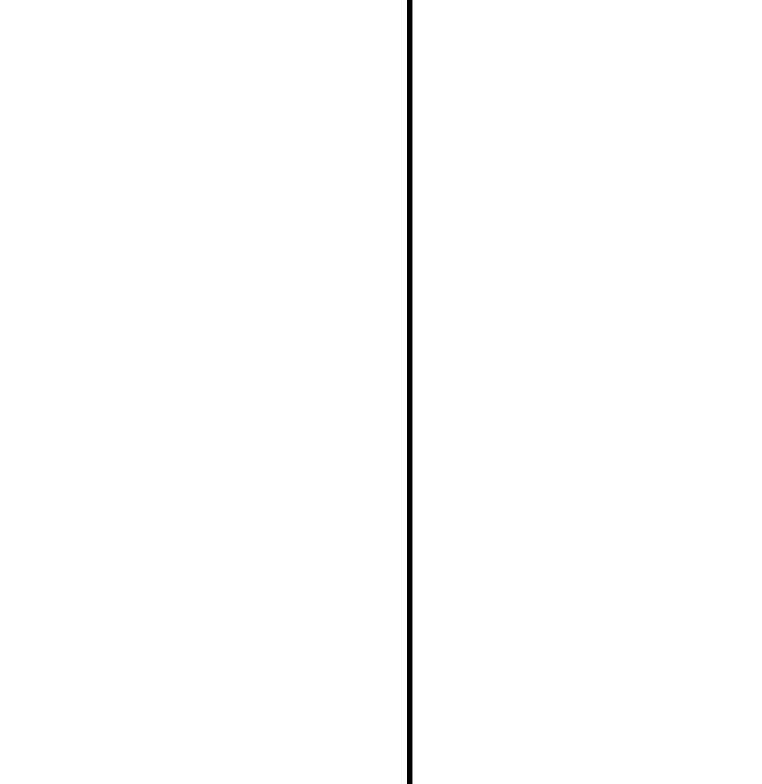
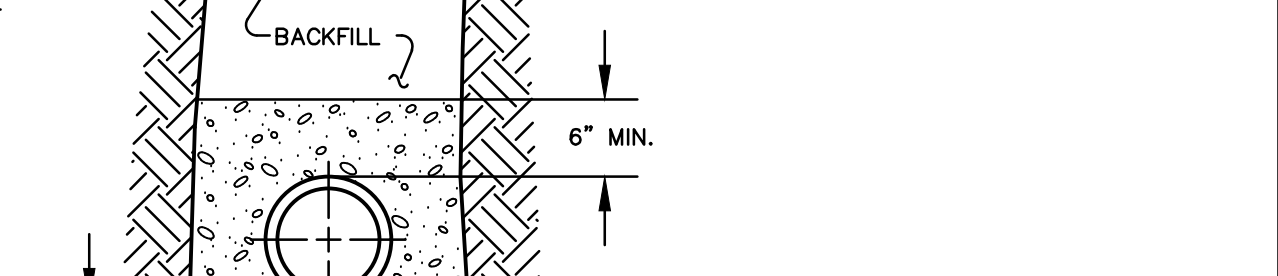
GENERAL NOTES

- THE ENTRANCE SHALL BE MAINTAINED AS A CONCRETE MAT WILL PERFORM TRACKING OF CONCRETE MAT SHALL BE MAINTAINED AS SHOWN ON THE DRAWING.
- WHEN REPAIRING, MATS SHALL BE CLEANED FROM TO BE REPAIRED WITH CRACKED SURF THAT SHALL BE REPAIRED WITH AN APPROVED SURF TOP OF MAT AS SHOWN ABOVE.
- WHEN REPAIRING OVER REPAIRING, MATS SHALL BE REPAIRED WITH CRACKED SURF THAT SHALL BE REPAIRED WITH AN APPROVED SURF TOP OF MAT AS SHOWN ABOVE.
- WHEN REPAIRING OVER REPAIRING, MATS SHALL BE REPAIRED WITH CRACKED SURF THAT SHALL BE REPAIRED WITH AN APPROVED SURF TOP OF MAT AS SHOWN ABOVE.

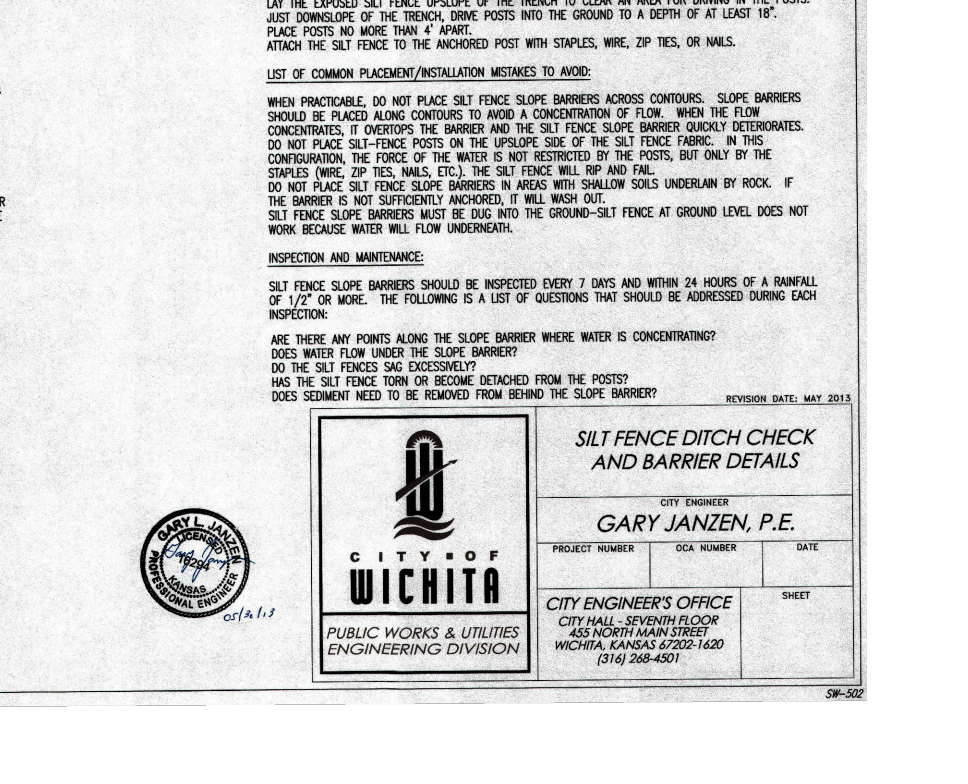
BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE
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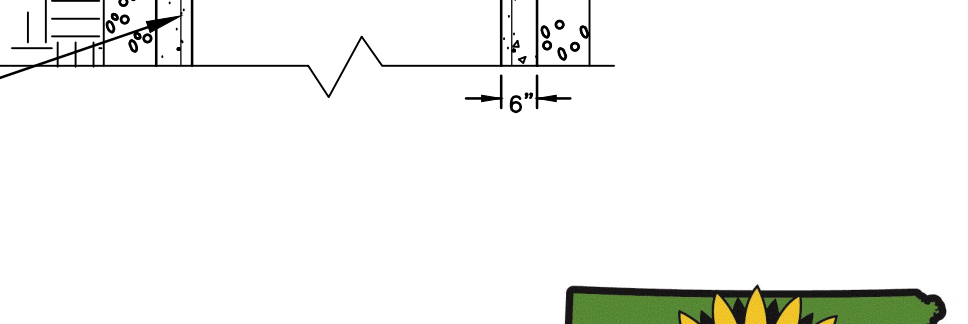
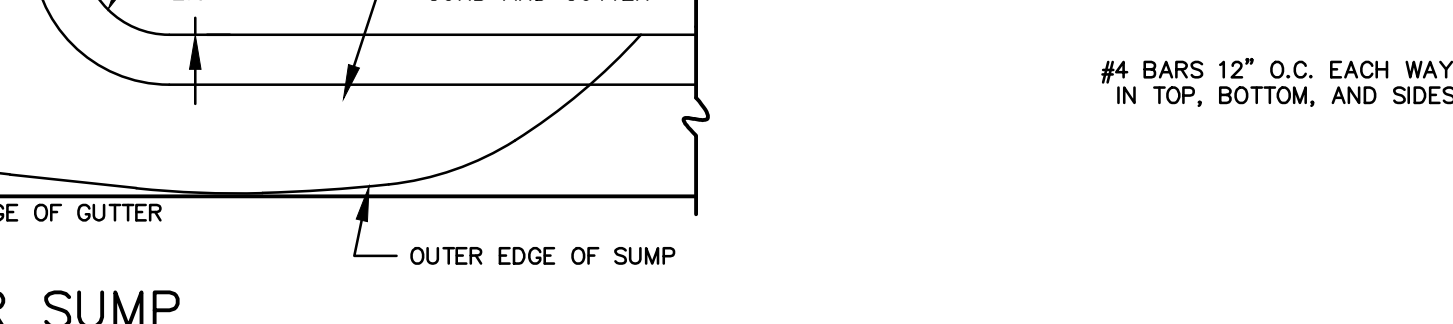
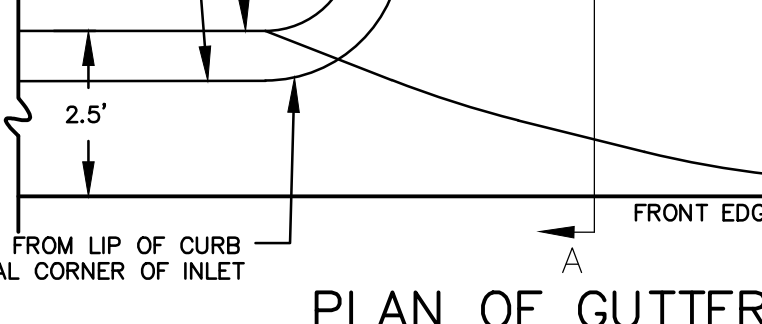
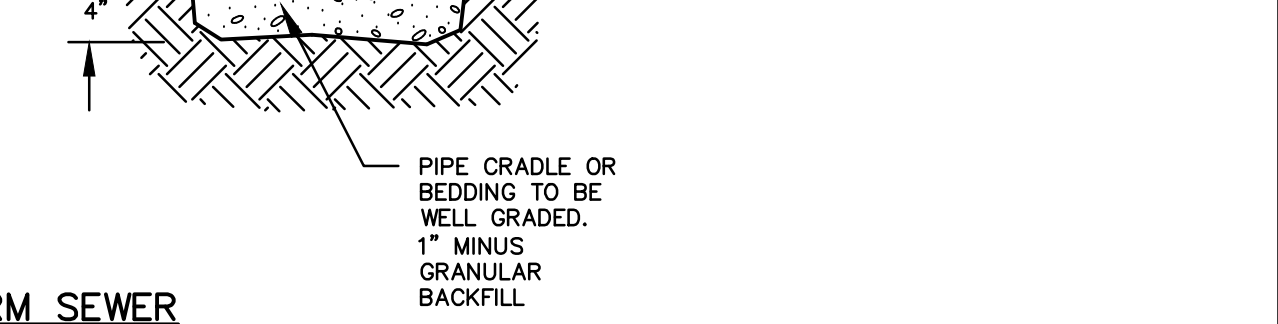
- ALL TRENCHES SHALL HAVE A BEDDING OF WELL GRADED, 1" MINUS, GRANULAR MATERIAL FROM 4" BELOW THE BOTTOM OF THE PIPE.
- IN AREAS TO BE PAVED OVER, ENTIRE TRENCH TO BE BACKFILLED WITH WELL GRADED GRANULAR MATERIAL & COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY.
- IN AREAS OF CLEAN DIRT CUTS OUTSIDE OF PAVED AREAS, TRENCH MAY BE BACKFILLED WITH SAME MATERIAL AND COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY.
- IN AREAS OF ROCK CUT, THE TRENCH SHALL BE BACKFILLED WITH WELL GRADED GRANULAR MATERIAL TO 6" ABOVE TOP OF PIPE.
- BACKFILL SHALL BE FOLLOWED OUT FOR PIPE JOINTS AND FITTINGS. PIPE JOINTS ARE UNSUPPORTED.
- INSTALLATION OF STORM SEWER TO MEET WITH MANUFACTURER SPECIFICATIONS.
- ALL STORM SEWER STRUCTURES TO MEET WITH THE JURISDICTIONAL SEWER SPECIFICATIONS.



SILT FENCE DITCH CHECK AND BARRIER DETAILS
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SILT FENCE DITCH CHECK AND BARRIER DETAILS
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OWNER:
 ACCN ENTERPRISES, LLC
 17498 SW MEADOWLAKE RD.
 ROSE HILL, KS 67133

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

SECTION A-A SQUARE TOP CURB INLET DETAIL
 NO SCALE

SECTION A-A SQUARE TOP CURB INLET DETAIL
 NO SCALE

SECTION A-A SQUARE TOP CURB INLET DETAIL
 NO SCALE

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

North Office
 8 East Main Street
 Wentzville, Missouri 63385
 636-332-4574 (tel)
 636-327-0760 (fax)
 info@choraninc.com

Kansas State Certificate of Authority Numbers: EC-2927

Two working days prior to the start of any excavation work, the contractor shall call 1-800-GO-SAFE for utility location information.

All OSHA rules & regulations and state regulations for these construction projects shall be strictly followed (i.e. trenching, blasting, etc.)

KURTIS J. DANIEL
 LICENSED PROFESSIONAL ENGINEER
 20277
 E-26272

STORM SEWER IMPROVEMENTS CLUB CARWASH WICHITA, KS

DATE	REVISION

DATE: JUNE 2020
 SCALE: NO SCALE
 PROJ. NO: 2020-646 PPD
 DWG. NO: 4