

GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY 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 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 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 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 ABUTTING 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 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'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 CONSULTANT 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 FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- IF TRAFFIC IS 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, 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 RIGHT-OF-WAY OR EASEMENT LINE.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDING 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.
- GEOTECHNICAL REPORT AVAILABLE UPON REQUEST.
- 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.

STORM SEWER IMPROVEMENTS

to serve

**Lots 2 & 3, Block 1, Central Plaza Addition
Braum's Ice Cream & Dairy Store**

5730 East Central Avenue

City of Wichita, Kansas

Gary Janzen, P.E. City Engineer

Project Number
PPD-2021-000675

Date: 2021-05-24
 Inspector: A.Thompson/M.Collins
 Design/Inspecting Firm: Tanner Consulting LLC / Kaw Valley Engineering, Inc.
 Contractor:
 Subcontractor: Wilks Underground Utilities LLC.
 Built in general conformance to construction plans, except where noted on plans.



Location Map
Scale: 1"= 6000'



Benchmark 1
 CHISEL BOX SET ON TOP OF CATCH BASIN ON NORTH SIDE OF CENTRAL AVE APPROXIMATELY 177.84' WEST AND 22.88' SOUTH OF THE TRACT 1 POINT OF BEGINNING.
 (5077.7323N, 1667.3522E)
 ELEVATION = 1371.70 (NAVD 88)



NORTH
Scale: 1"= 40'
Tanner Consulting

SHEET INDEX:

SHEET NO.	SHEET TITLE
1	PPD COVER SHEET
2	STORM SEWER PLAN & PROFILE

CITY OF WICHITA STANDARD DETAILS, FOR REFERENCE:

SW-501	BACK OF CURB PROTECTION, CURB INLET PROTECTION, AND CONSTRUCTION ENTRANCE
SW-502	SILT FENCE DITCH CHECK AND BARRIER DETAILS
SW-503	STRAW BALE DITCH CHECK AND BARRIER DETAILS
SW-504	STREET IMPROVEMENT PROJECT
SW-505	SUBDIVISION DEVELOPMENT PROCESS

Storm Water Certification:

NEW DEVELOPMENT OR REDEVELOPMENT (CIRCLE ONE)
 STORMWATER PERMIT # SWO2021-0007
 NOI PERMIT # S-AR94-1686 KSR116299
 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): 1.422 ACRES
 DISTURBED AREA (ACRES): 1.388 ACRES*
 WATER QUALITY AREA: 0.35 AC**
 DOWNSTREAM CHANNEL PROTECTION: N/A
 DETENTION: N/A
 THE BMP USED FOR THIS DEVELOPMENT IS: ENROLLMENT IN OFFSITE BMP PROGRAM.

*QUANTITY INCLUDES AREA TO BE DISTURBED FOR PROPOSED SANITARY SEWER LINE, DRIVEWAY, & SIDEWALK IN THE RIGHT-OF-WAY.
 **QUANTITY CALCULATED AT 30% OF EXISTING IMPERVIOUS AREA (EX IMPERVIOUS= 1.179 AC; PROPOSED IMPERVIOUS = 1.150 AC)

**APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
AND STORMWATER DIVISION**

ENGINEERING Shawn Mellies 03/17/21
 STORMWATER Joe Hickle 03/17/21

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 THE CITY STAFF ARE REQUIRED ON-SITE.



Derek R. McCall
 918 745 9929



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 CERTIFICATE OF AUTHORIZATION NO.
 KS CA E-1311 EXP. 12/31/2021



THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF TANNER CONSULTING. WORK ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT WRITTEN PERMISSION AND CONSENT. ANY CHANGES MADE FROM THESE PLANS WITHOUT CONSENT OF TANNER CONSULTING ARE UNAUTHORIZED, AND SHALL RELIEVE TANNER CONSULTING OF RESPONSIBILITY FOR ALL CONSEQUENCES ARISING OUT OF SUCH CHANGES.

MILESTONE	DATE
PPD & PPW REV.	02/11/21
PPD & PPW REV.	02/19/21
PLOT DATE: 2/19/21	

Braum's Civil Plans
 5730 E Central Ave
 Wichita, KS 67208



PROJECT: 20090
 ISSUE DATE: 02/03/2021
 ATLAS PAGE NO: N/A

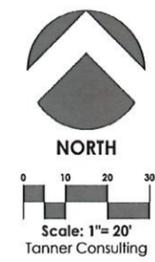
PLAN SCALE: (H) 1"=5'
 (V)

Storm Sewer Plan & Profile

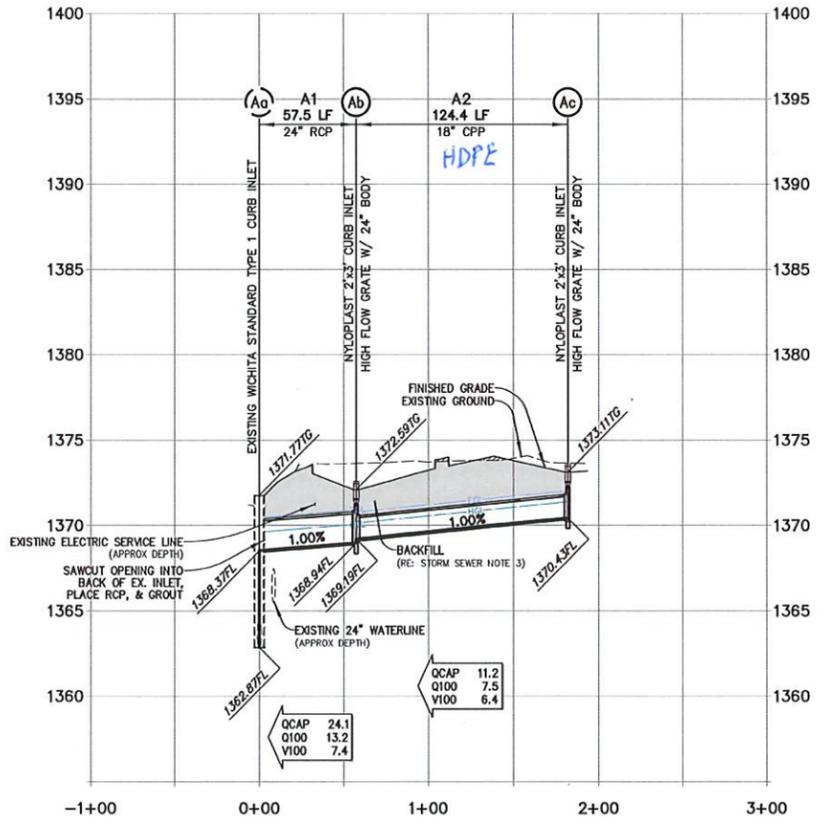
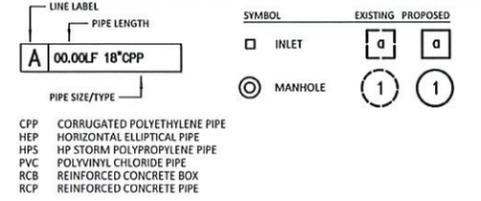
STORM SEWER NOTES

- ALL STORMWATER CONVEYANCE IS IN ACCORDANCE WITH DETENTION DETERMINATION UNDER CURRENT REVIEW WITH CITY OF WICHITA.
- ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76 CLASS III, WALL "B", UNLESS OTHERWISE NOTED. OMNI-FLEX JOINTS SHALL BE REQUIRED ON ALL REINFORCED CONCRETE PIPE.
- STORM SEWER BEDDING, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH CITY STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL STORM SEWER LINES NOT UNDER PAVING SHALL BE LAID IN TYPE A AGGREGATE BEDDING TO A MINIMUM DEPTH OF 12 INCHES ABOVE THE TOP OF PIPE. THE TRENCH MAY BE BACKFILLED WITH COMPACTED SOIL UPON APPROVAL BY THE INSPECTOR.
- STORM SEWER LINES LOCATED UNDER PAVED STREETS SHALL BE LAID IN TYPE A AGGREGATE BEDDING AND THE TRENCH COMPLETELY FILLED TO SUBGRADE WITH TYPE A AGGREGATE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- PIPE BACKFILL SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES, AND COMPACTED BY VIBRATORY PLATE OR OTHER METHOD APPROVED BY THE ENGINEER.
- PAVING SUBGRADE SHALL BE RESTORED TO PROPER GRADE (+ OR - 0.1 FT) AND DENSITY AFTER PIPE IS BACKFILLED.
- ALL PRECAST MANHOLES SHALL HAVE ADJUSTABLE TOP RIMS PROVIDING SIX (6) INCHES, PLUS OR MINUS, FOR ADJUSTMENT TO FINAL GRADES. ELEVATIONS SHOWN ON PLANS MAY BE ADJUSTED WHILE THE WORK IS IN PROGRESS TO CONFORM TO FINAL IN-PLACE PAVING AND LANDSCAPE GRADES.
- THE UTILITY CONTRACTOR ASSUMES THE RISK OF ORDERING PRECAST CONCRETE COMPONENTS PRIOR TO FIELD STAKING AND REVIEW OF FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
- VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL DISTURBED AREAS AS SOON AS THE WORK IS COMPLETED.

NOTE: ALL STORM SEWERS ARE PRIVATE UNLESS OTHERWISE NOTED HEREIN.



STORM & DRAINAGE AREA LEGEND

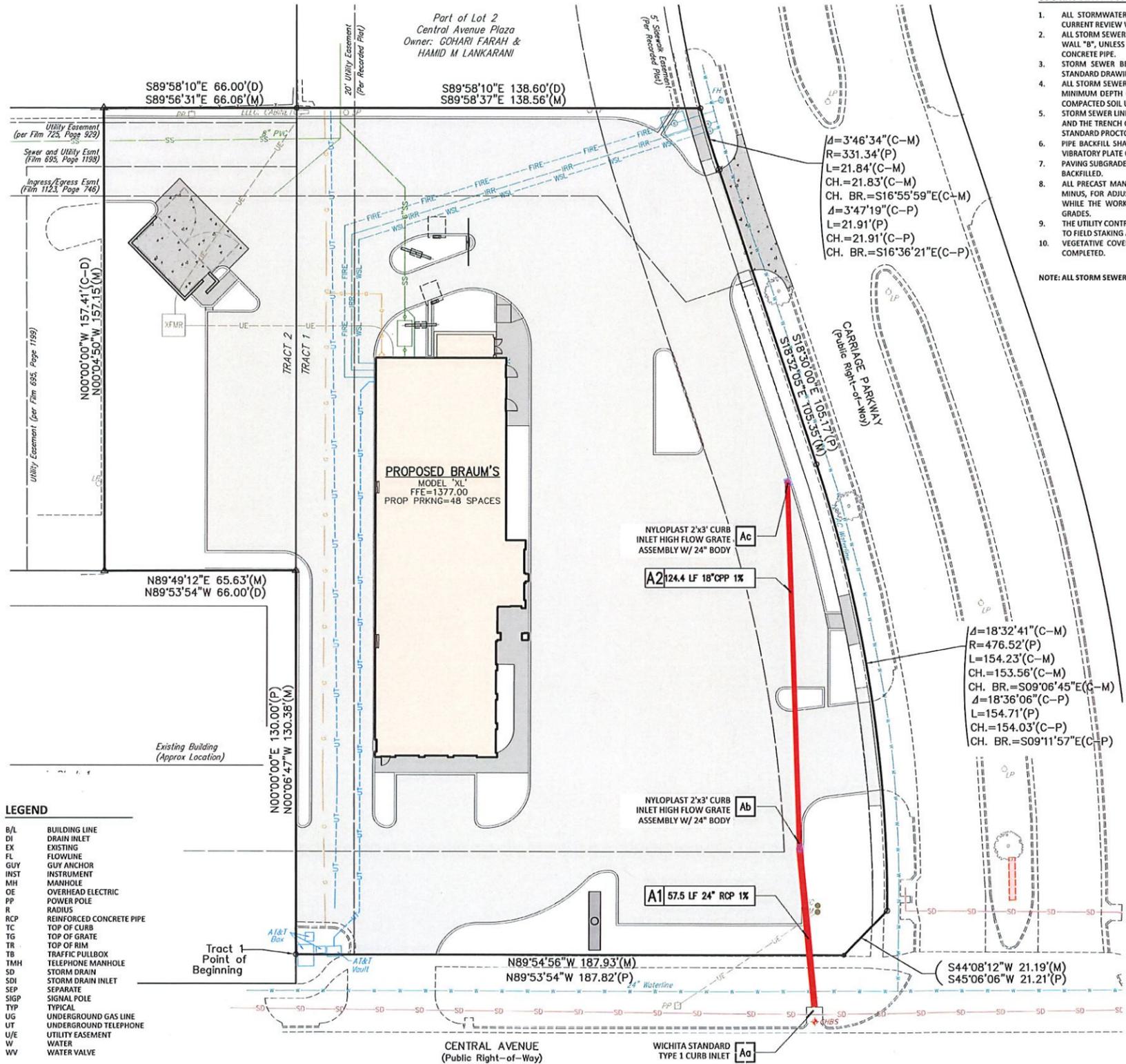


NOTE: CONTRACTOR TO FIELD VERIFY DEPTH OF EXISTING UTILITY CROSSINGS. NOTIFY ENGINEER IF DEPTHS CONFLICT WITH PROPOSED STORM SEWER.

Storm Line A Profile

Scale: 1"=50' HORIZ : 1"=5' VERT

ALL SITE WORK SHALL BE IN COMPLIANCE OF CUPDP-126)



LEGEND

B/L	BUILDING LINE
DI	DRAIN INLET
EX	EXISTING
FL	FLOWLINE
GUY	GUY ANCHOR
INST	INSTRUMENT
MH	MANHOLE
OE	OVERHEAD ELECTRIC
PP	POWER POLE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
TC	TOP OF CURB
TG	TOP OF GRATE
TR	TOP OF RIM
TB	TRAFFIC PULLBOX
TMH	TELEPHONE MANHOLE
SD	STORM DRAIN
SDI	STORM DRAIN INLET
SEP	SEPARATE
SIGP	SIGNAL POLE
TYP	TYPICAL
UG	UNDERGROUND GAS LINE
UT	UNDERGROUND TELEPHONE
U/E	UTILITY EASEMENT
W	WATER
WV	WATER VALVE

Storm Line A Plan

Scale: 1"=20'