

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 687-2470
The Contractor must notify the following in case of an emergency:
AT&T 1-800-246-6464
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
Westar Energy 1-800-544-4857
- Utility service lines, poles, valve boxes, meters, and etcetera 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 would 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 would 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 field grades by the contractor.
- The Contractor shall notify the consultant engineer and Tom Mason with the City at 316-268-4574 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 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 Contractors responsibility.
- All elevations shown are U.S.G.S. Datum (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 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.
- Geotechnical report available upon request.
- Contractor shall limit the extend of trench open 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.
- Contractor shall provide positive drainage away from all manhole covers.
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.
- The Contractor shall not begin work on the project until the Project Inspector is assigned and on site. Any work completed without inspection will be required to be uncovered for inspection at the Contractor's expense.
- Structure location coordinates are to the center of structure and are to be located with a coordinate datum per the provided control points.

Benchmarks

BM#1: Square Cut on Curb Inlet.
Elev. = 1353.19 NAVD88
N=1,709,090.42, E=1,613,557.19

BM#2: X Cut on Top of Curb Inlet
N=1,709,188.73, E=1,614,559.11
Elev. = 1359.86 NAVD88

#4 Bar
N = 1,707,804.26
E = 1,613,615.19

#4 Rebar w/ MKEC Cap
N = 1,707,810.55
E = 1,613,812.50

#5 Rebar w/ MKEC Cap
N = 1,707,862.59
E = 1,613,876.02

#5 Rebar w/ MKEC Cap
N = 1,707,862.79
E = 1,613,894.18

STORM SEWER IMPROVEMENTS

to serve

Maize School South Campus Addition

9701 W 37th Street N.
Wichita, KS 67205

Gary Janzen, P.E. City Engineer

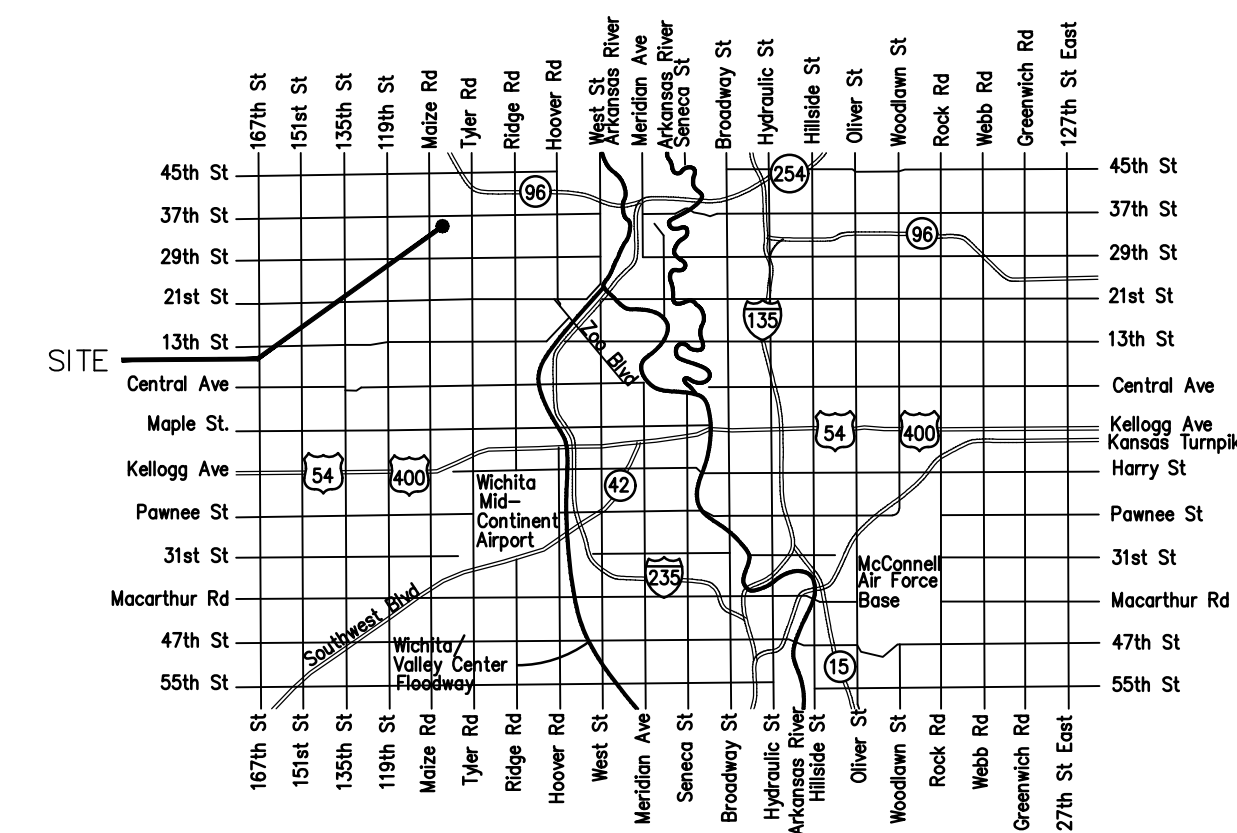
Project Number

PPD - 2020-000636 (133119)

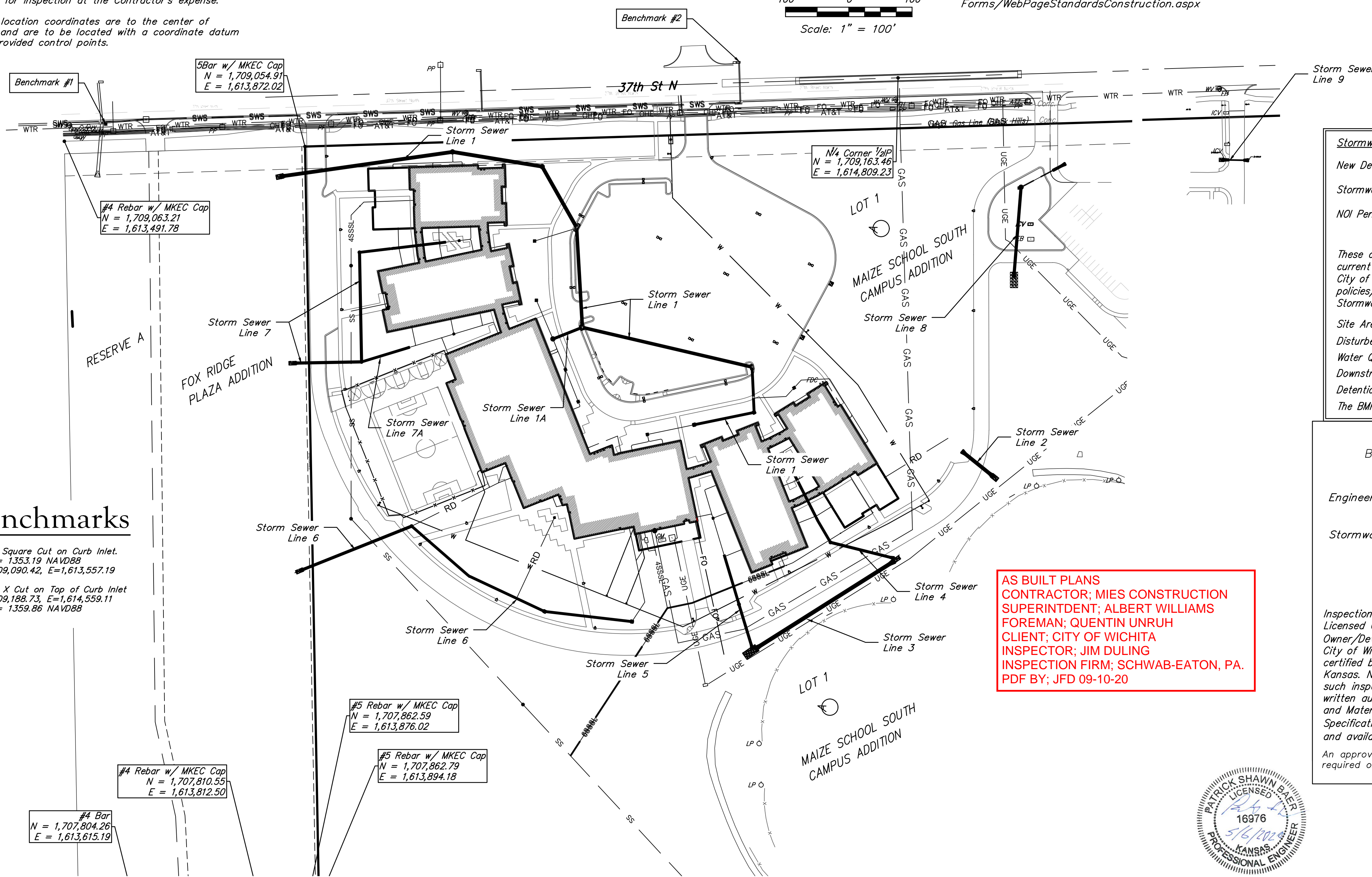
SHEET INDEX:

Title Sheet	1
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*Current Stormwater Control Details are available at City of Wichita web site at <http://www.wichita.gov/PWU/StandardsConstruction/Forms/WebPageStandardsConstruction.aspx>



VICINITY MAP



Stormwater Certification:
New Development or Redevelopment (Circle One)
Stormwater Permit # SW2014-0036 UD2
NOI Permit # S-AR94-1622

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) = 179.7 ACRES
Disturbed Area (Acres) = 22.1 ACRES
Water Quality Treatment: SITE DETENTION BASIN
Downstream Channel Protection: ONSITE WETLAND AND DETENTION
Detention: ONSITE WETLAND AND DETENTION
The BMP used for this development is DETENTION & GRASS CHANNELS

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
AND STORMWATER DIVISION

Engineering Approved by Seth Gotchey on May 21, 2020
Stormwater Approved by Mark Hall on May 21, 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 the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. 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.

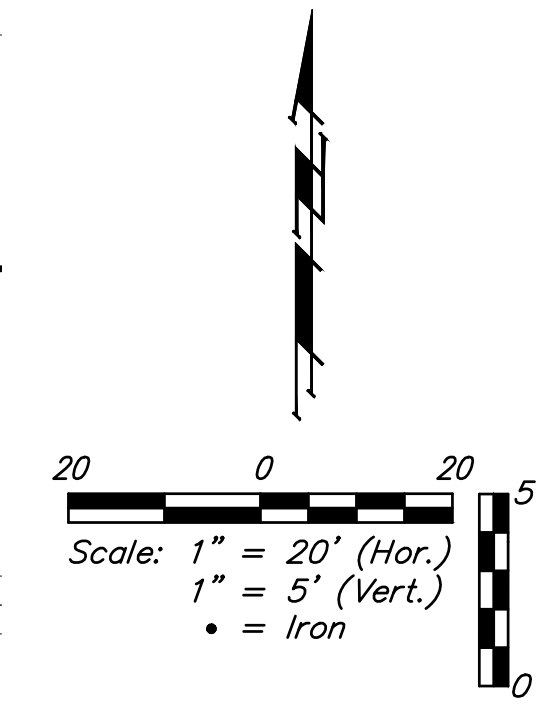
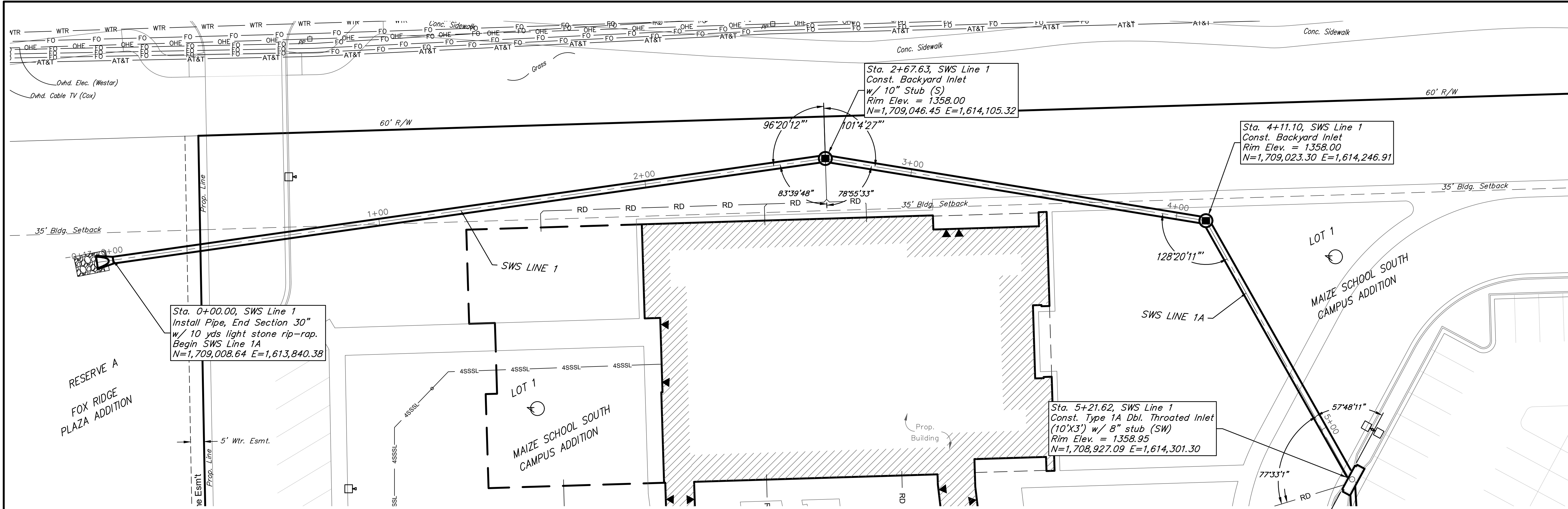
**AS BUILT PLANS
CONTRACTOR: MIES CONSTRUCTION
SUPERINTENDENT: ALBERT WILLIAMS
FOREMAN: QUENTIN UNRUH
CLIENT: CITY OF WICHITA
INSPECTOR: JIM DULING
INSPECTION FIRM: SCHWAB-EATON, PA.
PDF BY: JFD 09-10-20**



May 6, 2020

BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

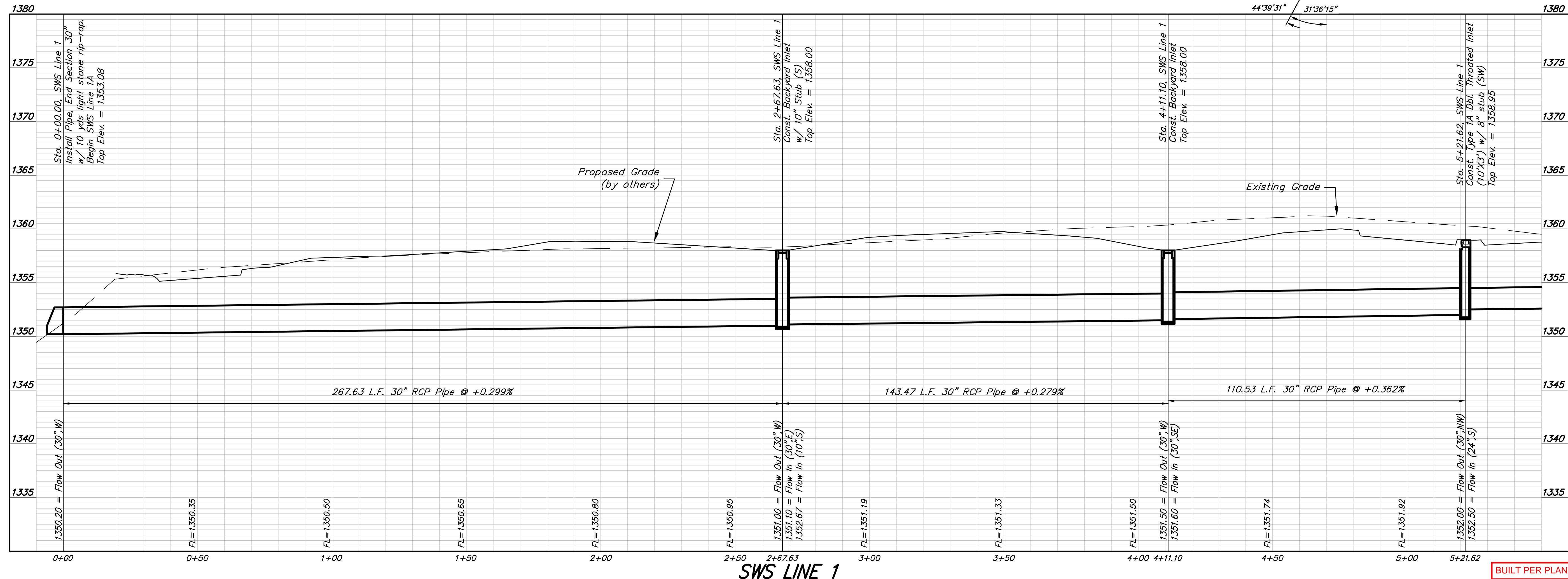
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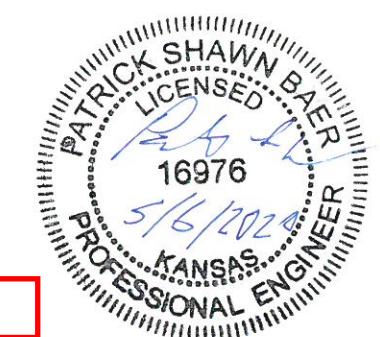
Benchmarks

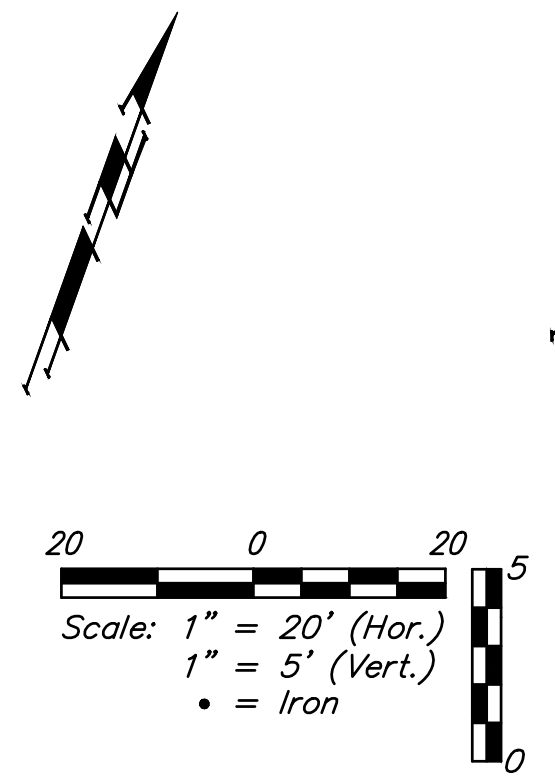
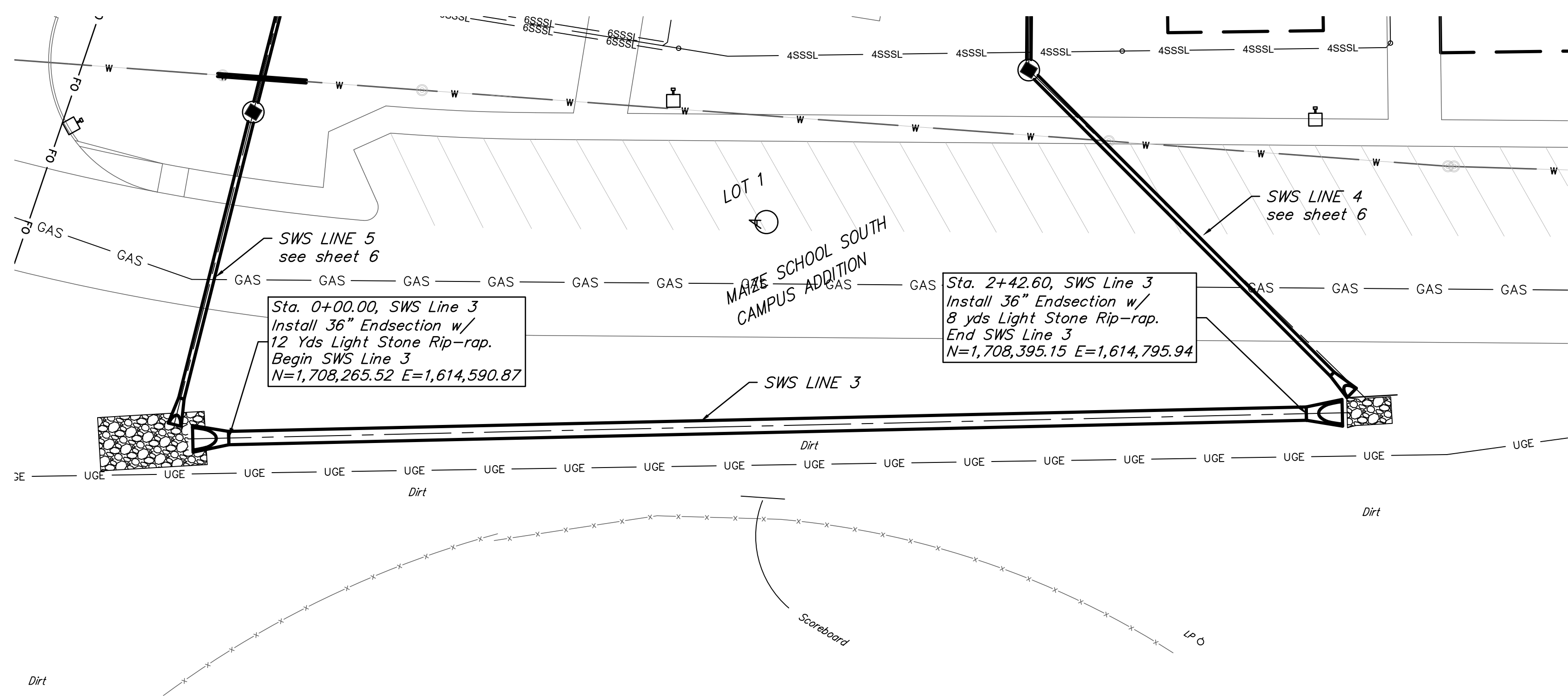
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Elev. = 1359.86 NAVD88



BUILT PER PLAN

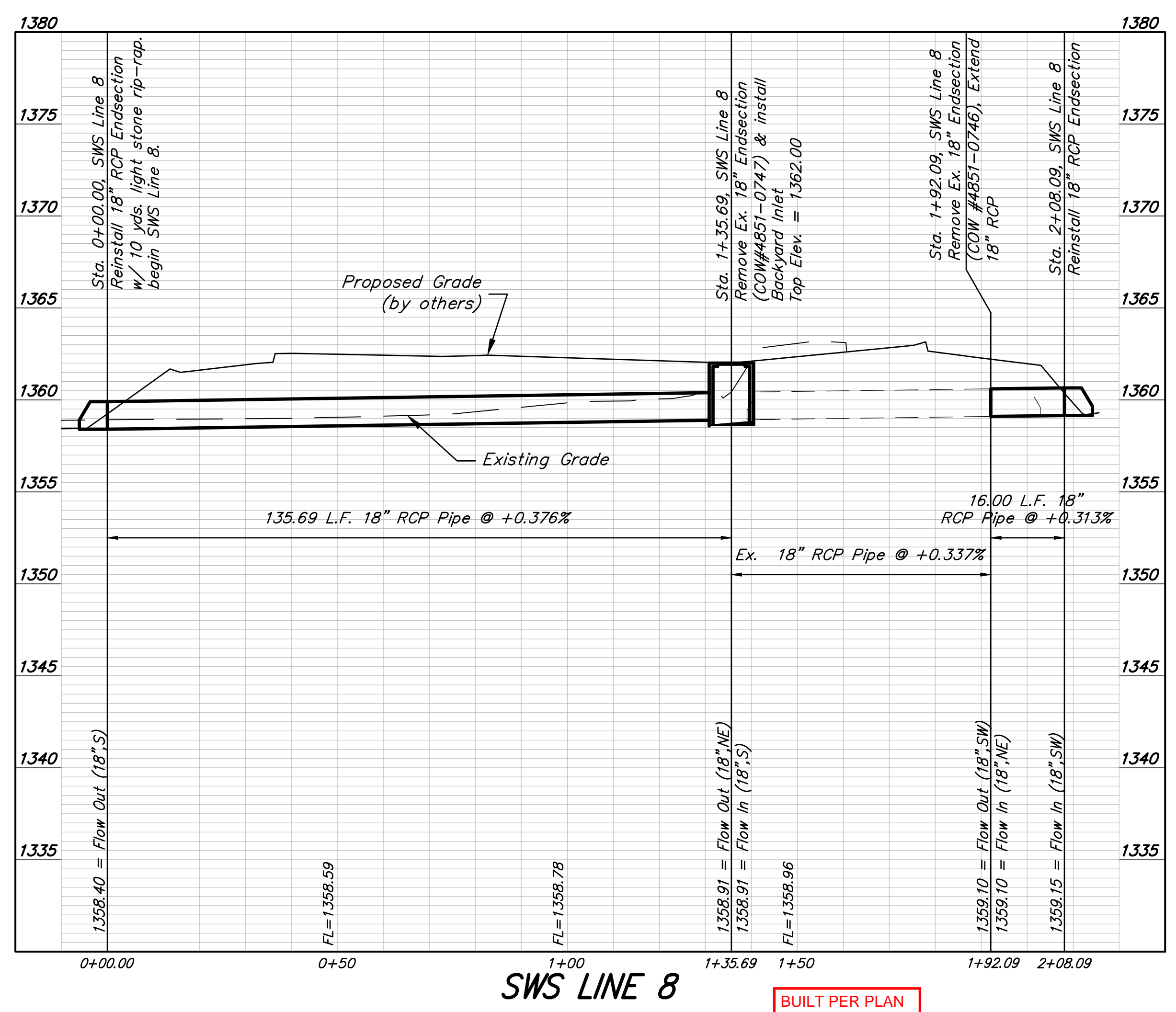
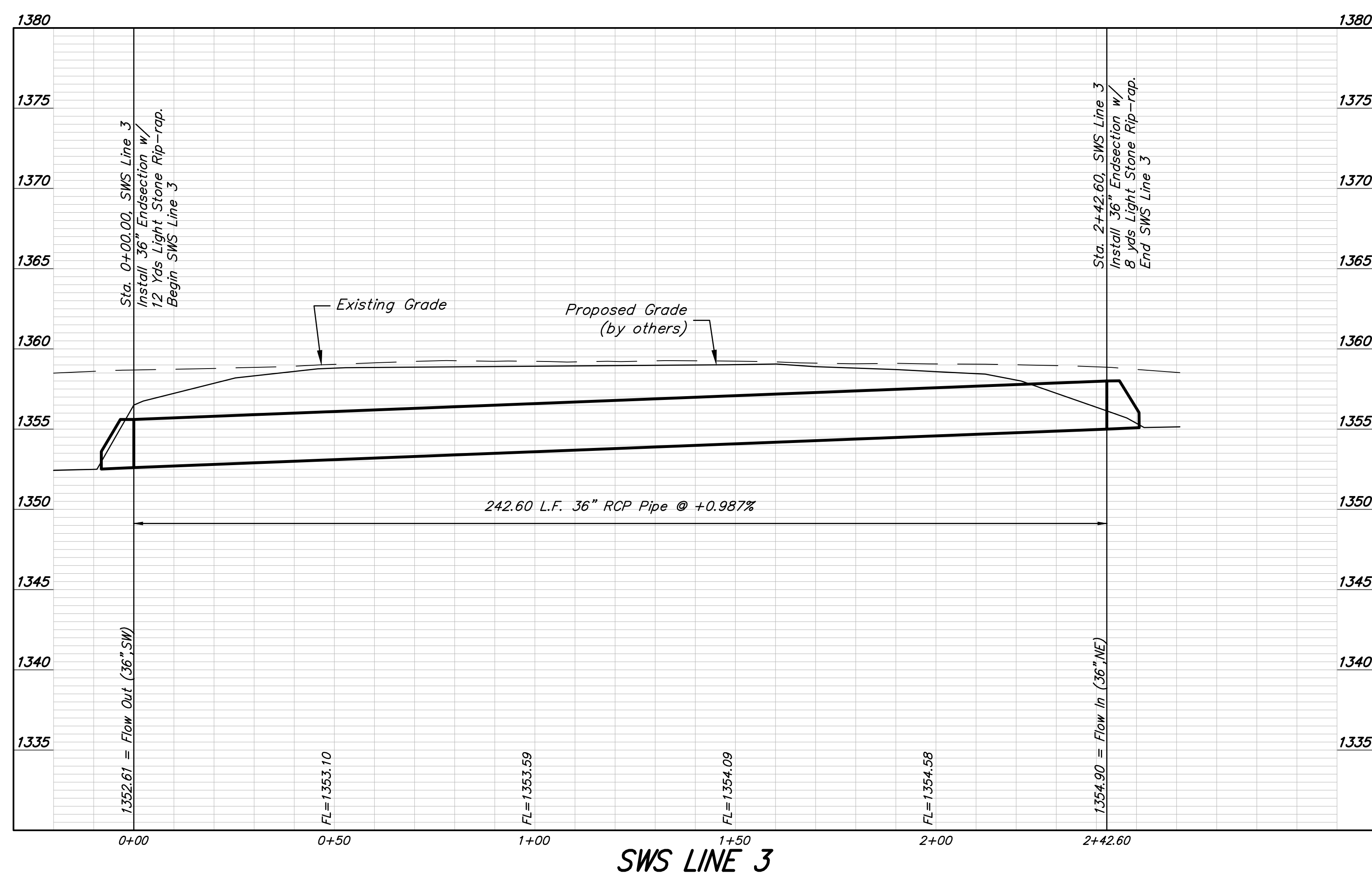
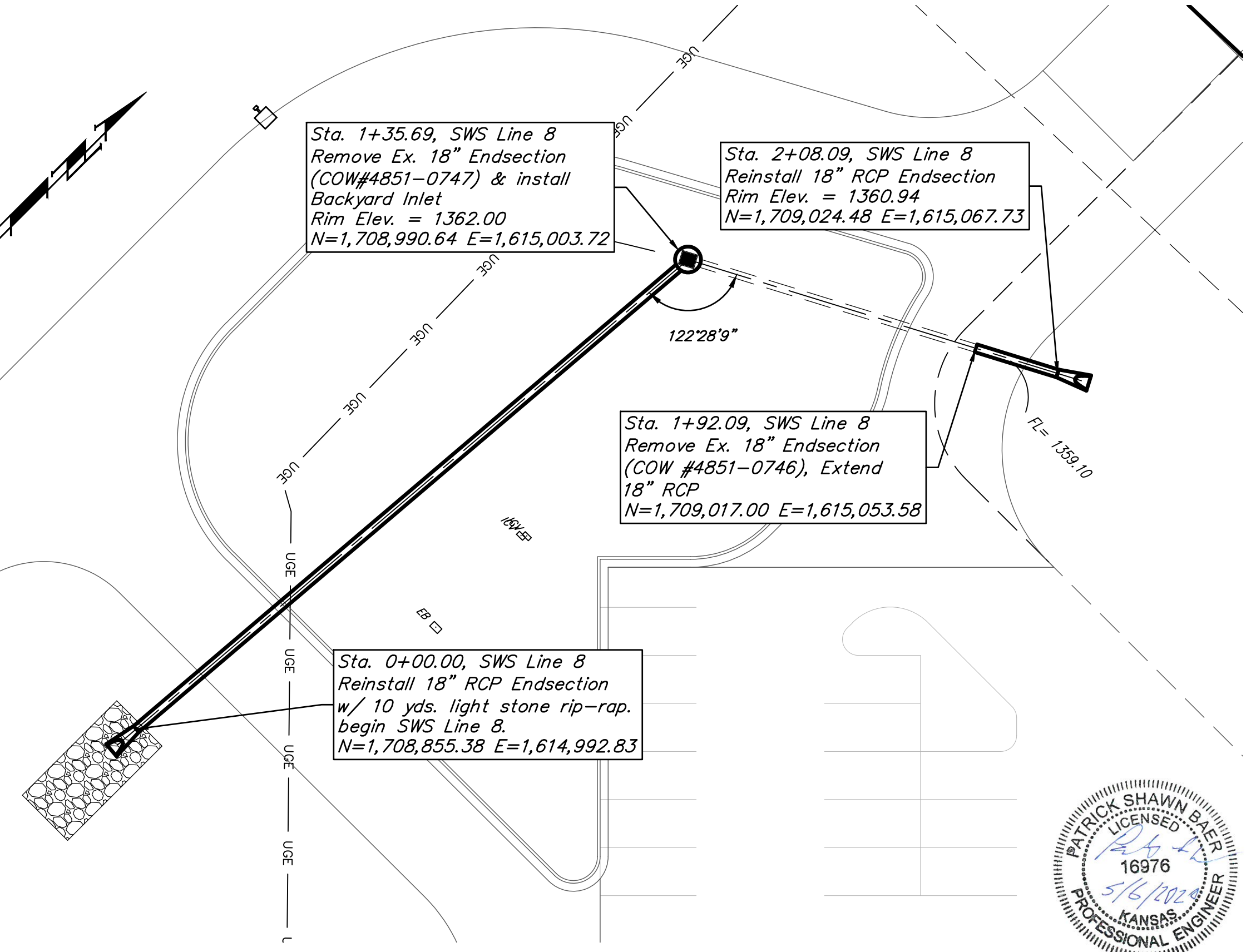




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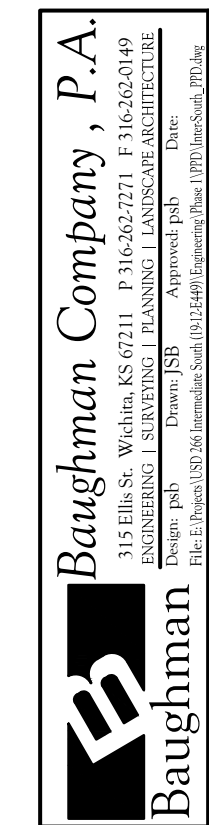
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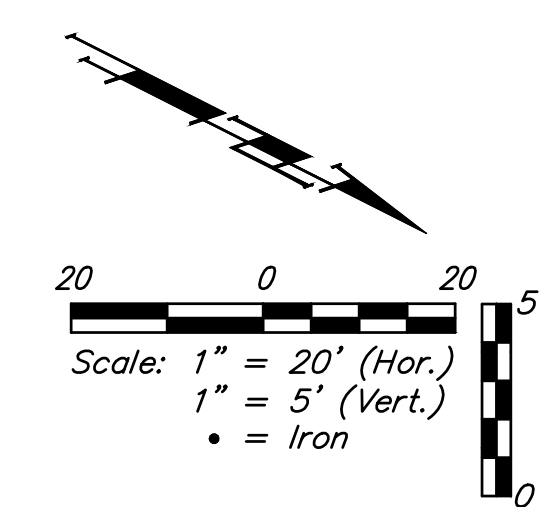
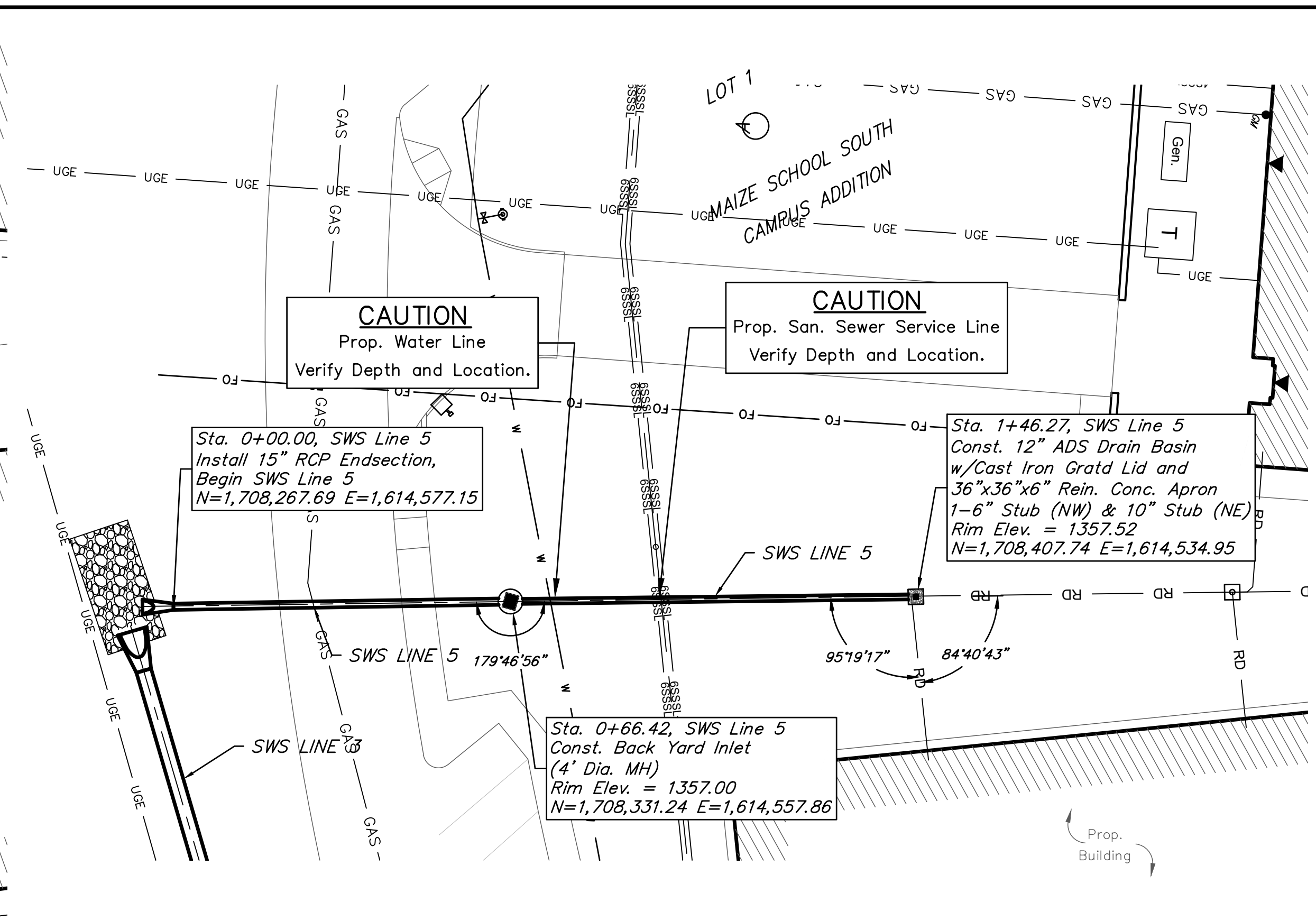
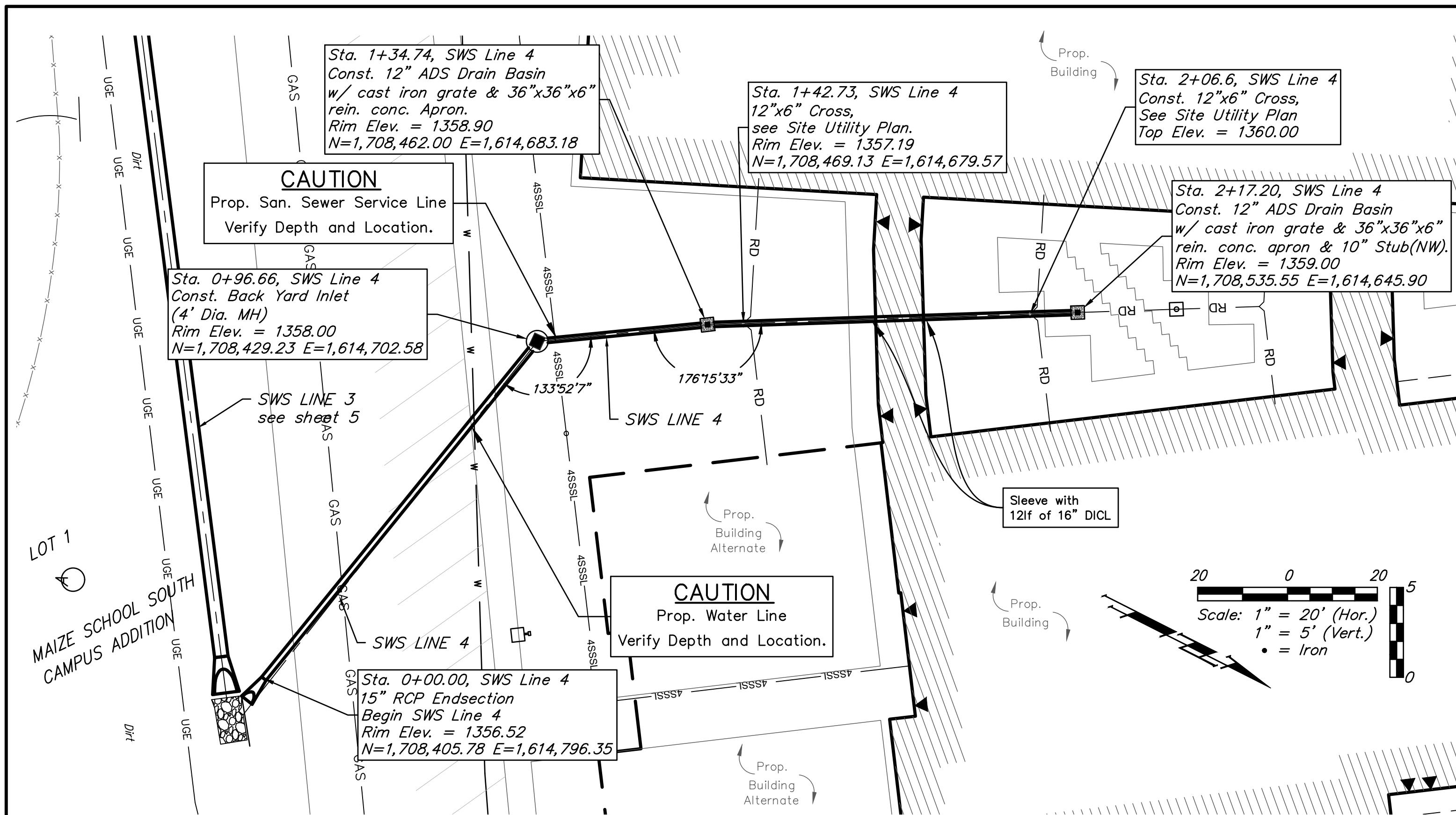


BUILT PER PLAN

Maize School South Campus Addition
SWS LINE 3 & 8
Stormwater Sewer Improvements



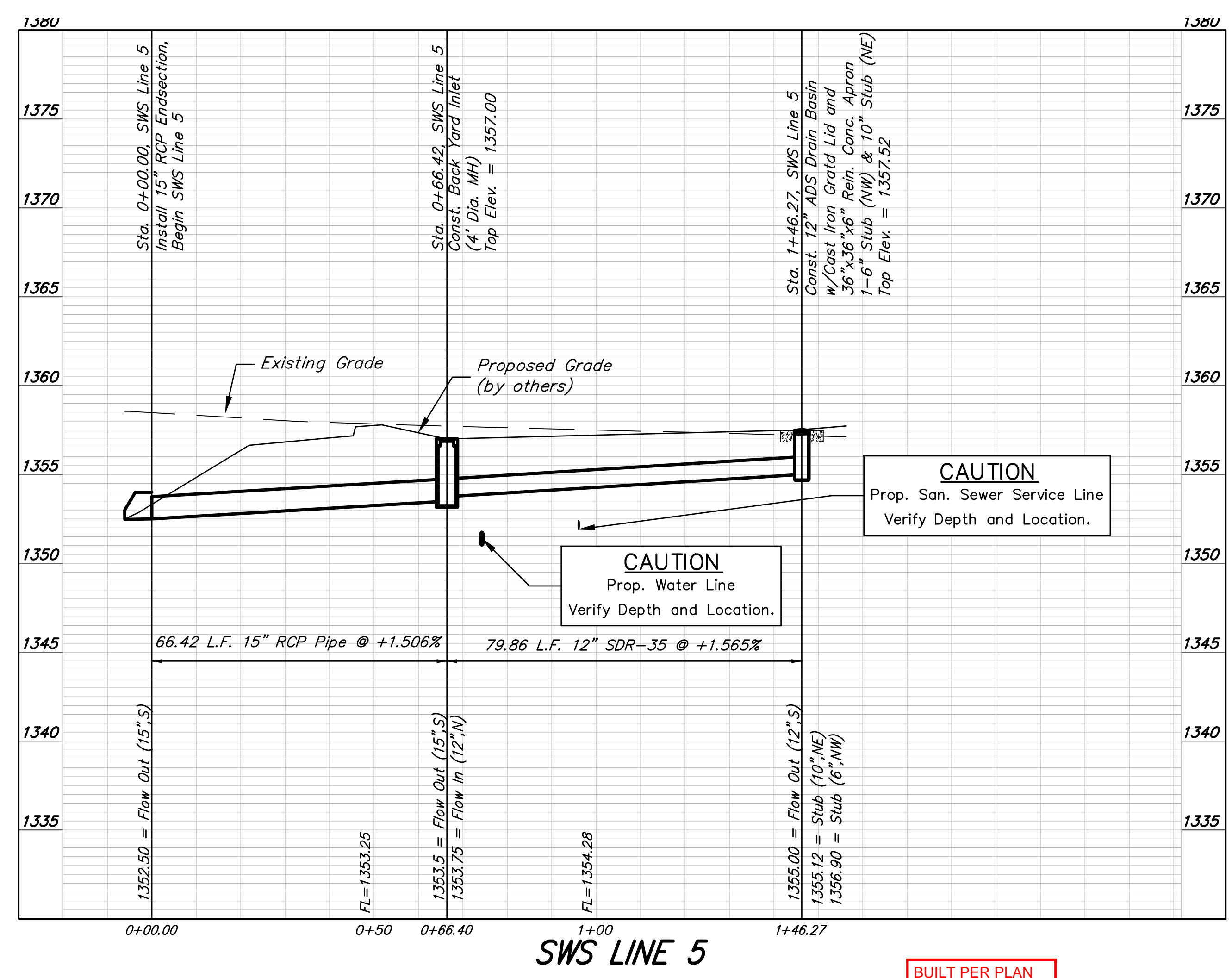
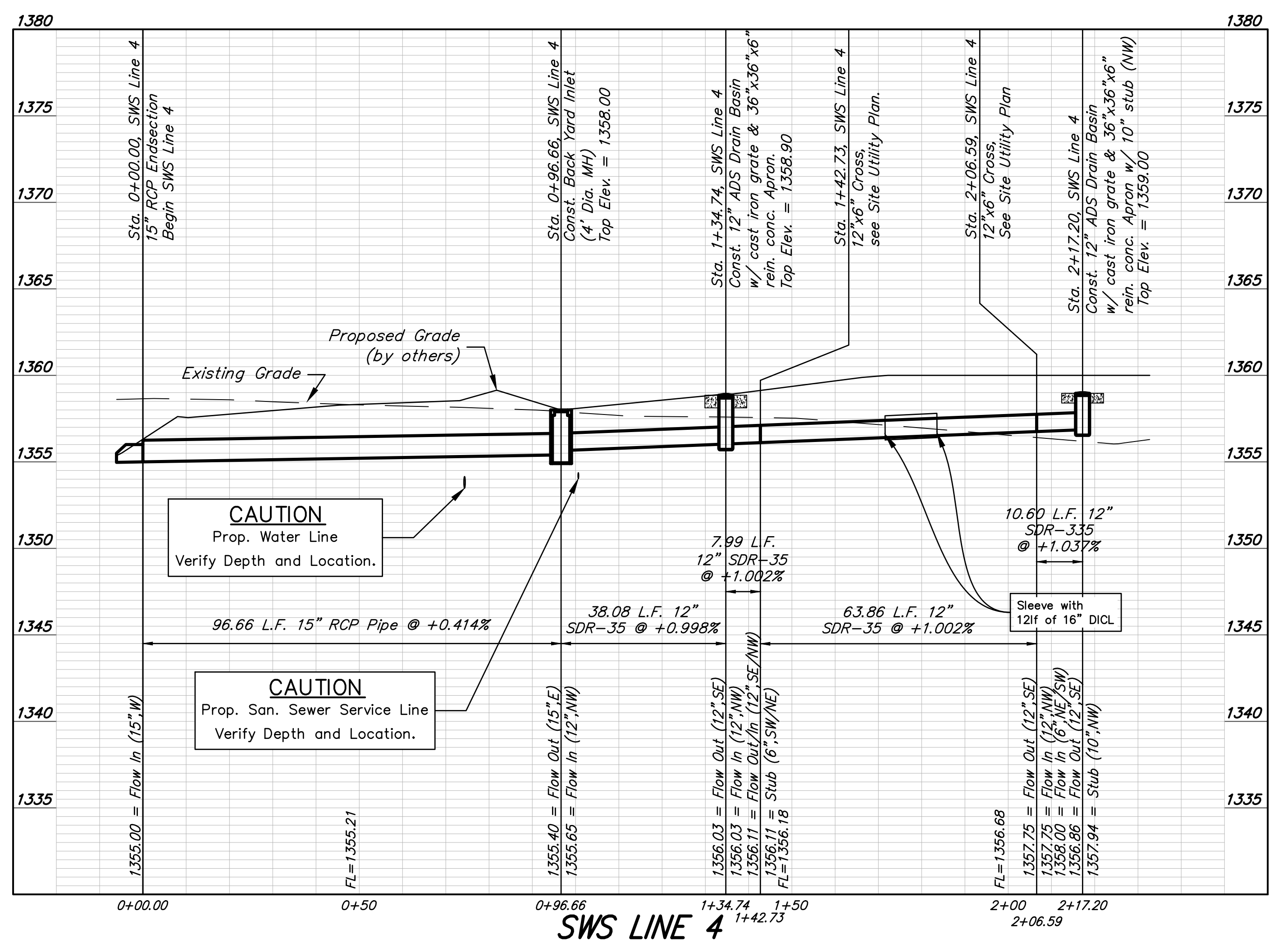
Baughman Company, P.A.
1515 E. Main St., Wichita, KS 67211 P: 316-262-2711 F: 316-262-0149
REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 16976
KANSAS PROFESSIONAL ENGINEER



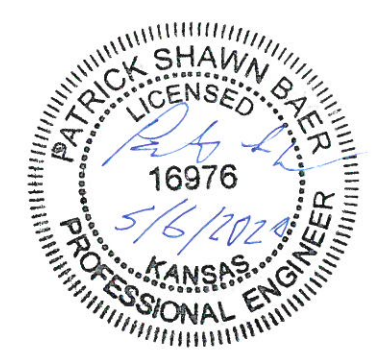
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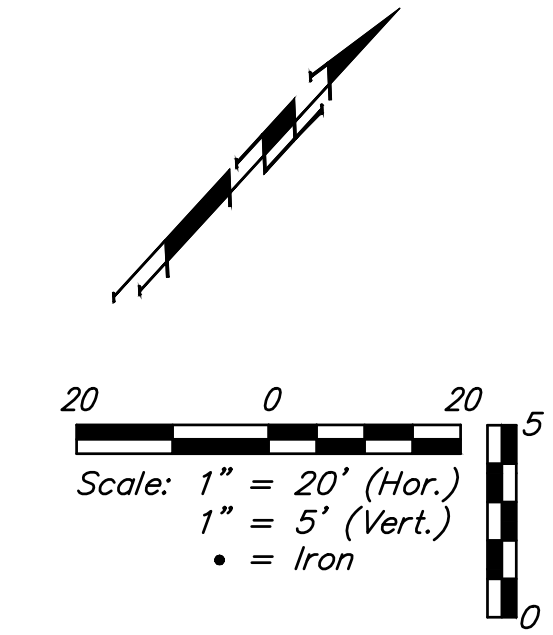
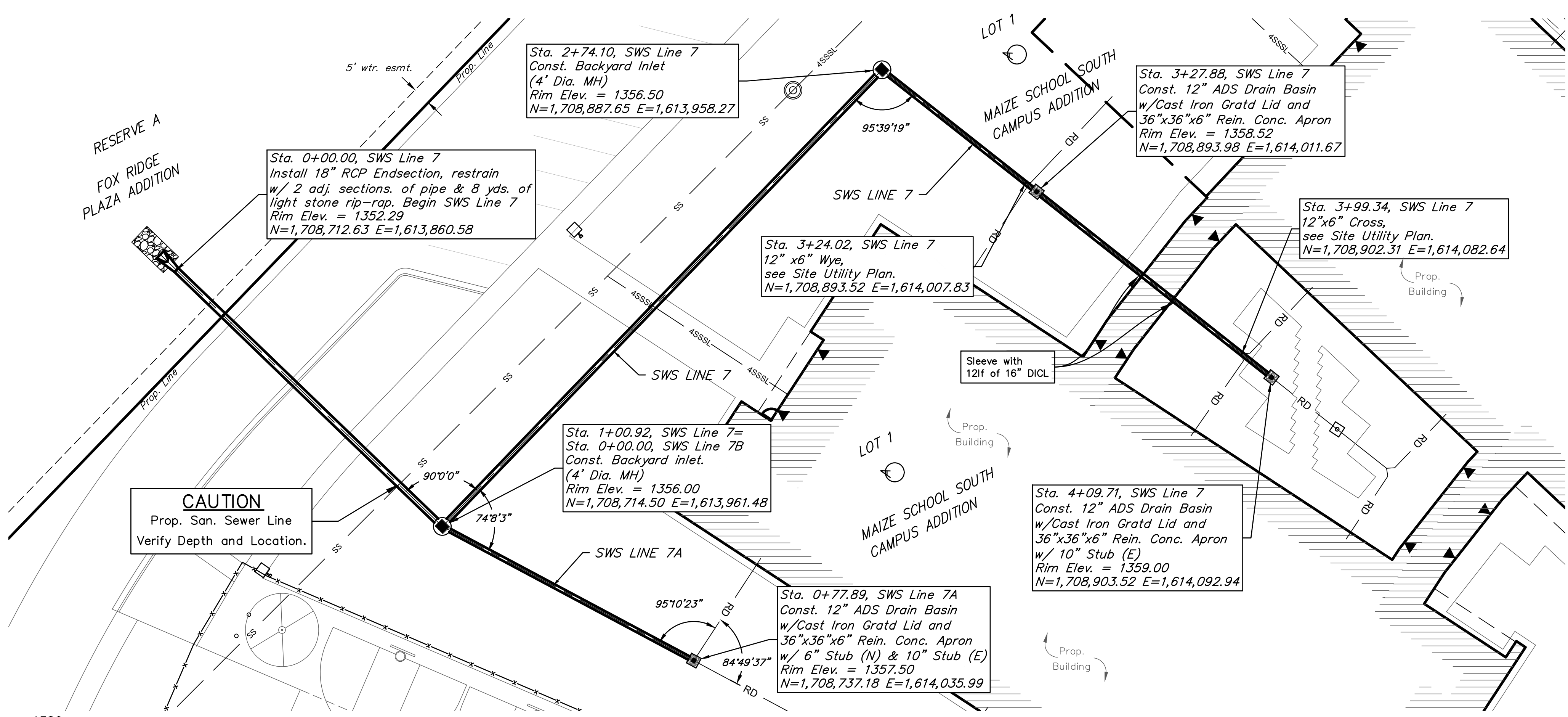
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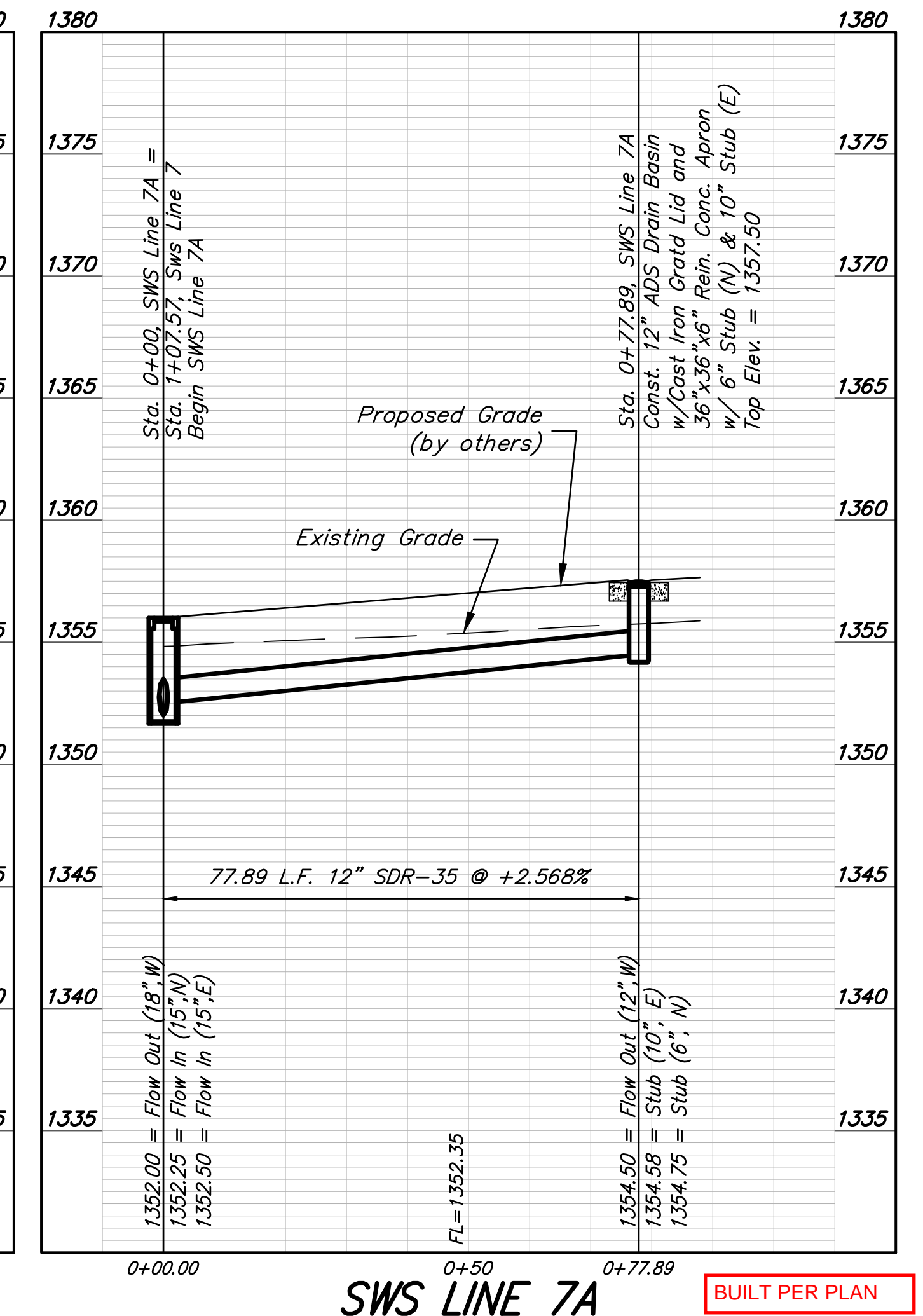
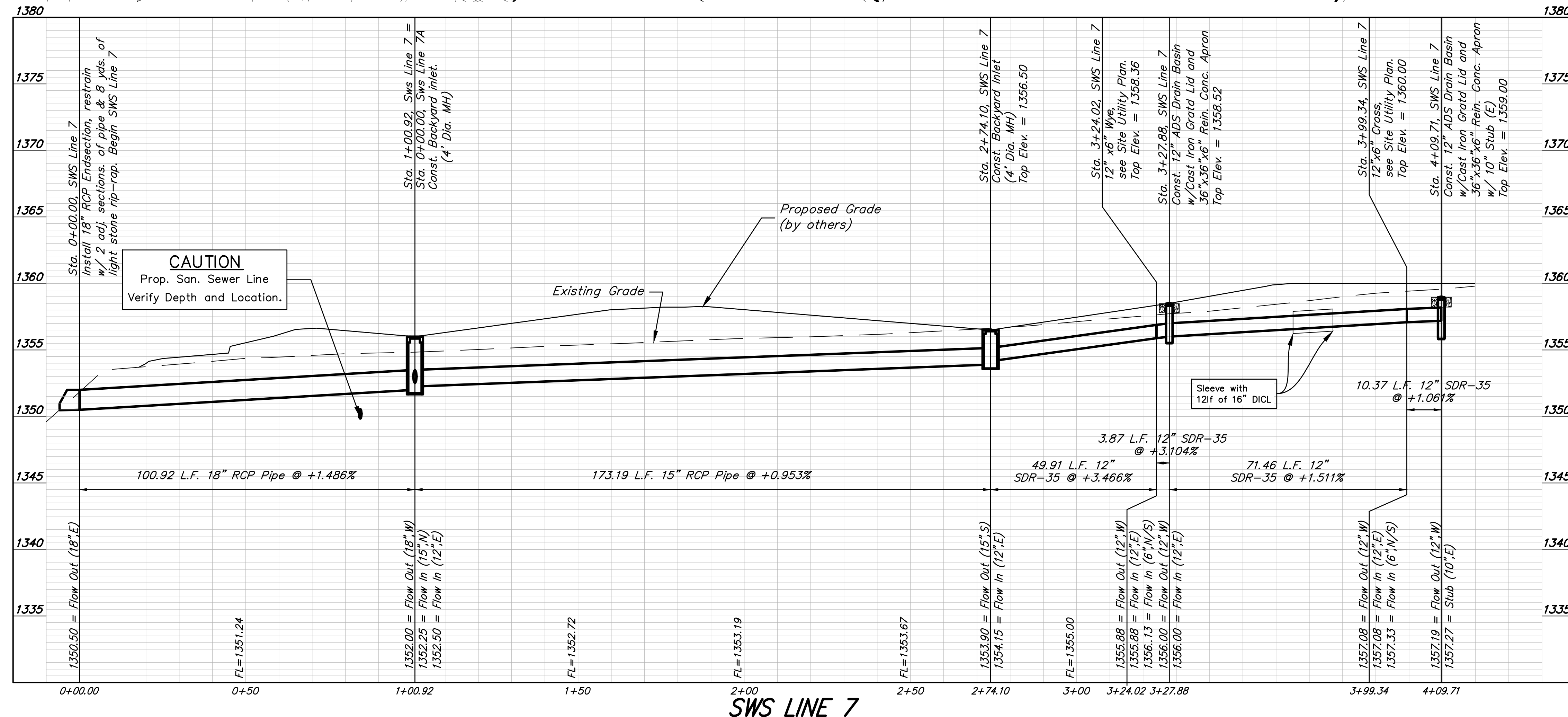
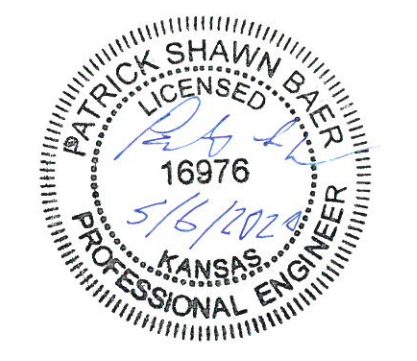




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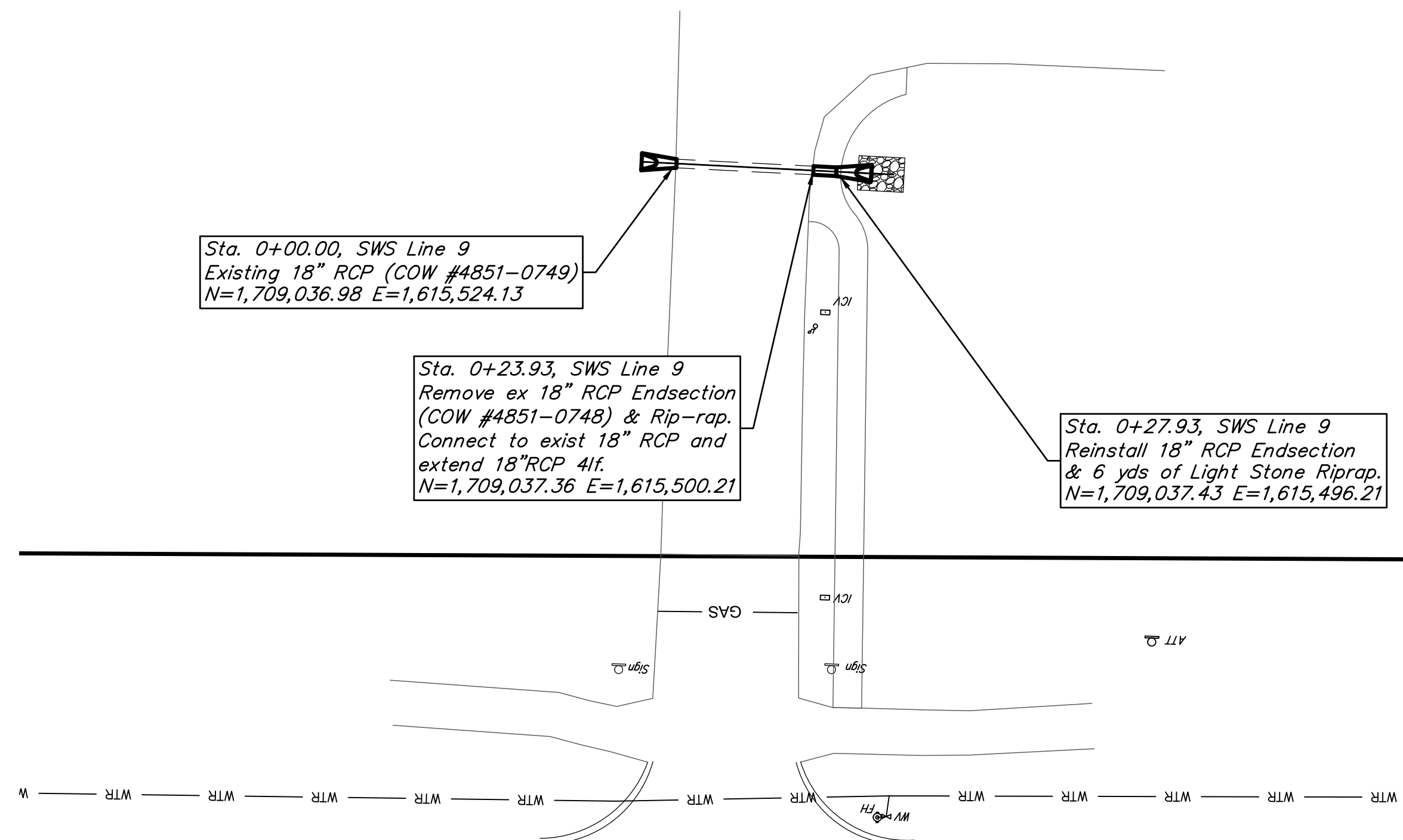
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Maize School South Campus Addition
SWS LINE 7A & 7B
 Stormwater Sewer Improvements

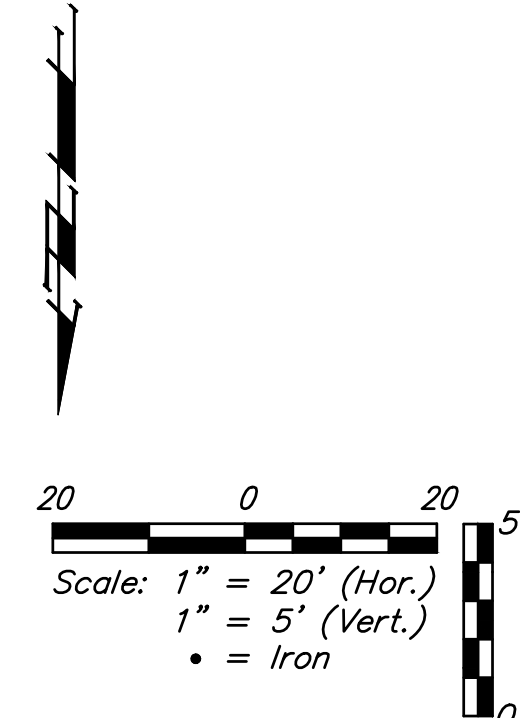
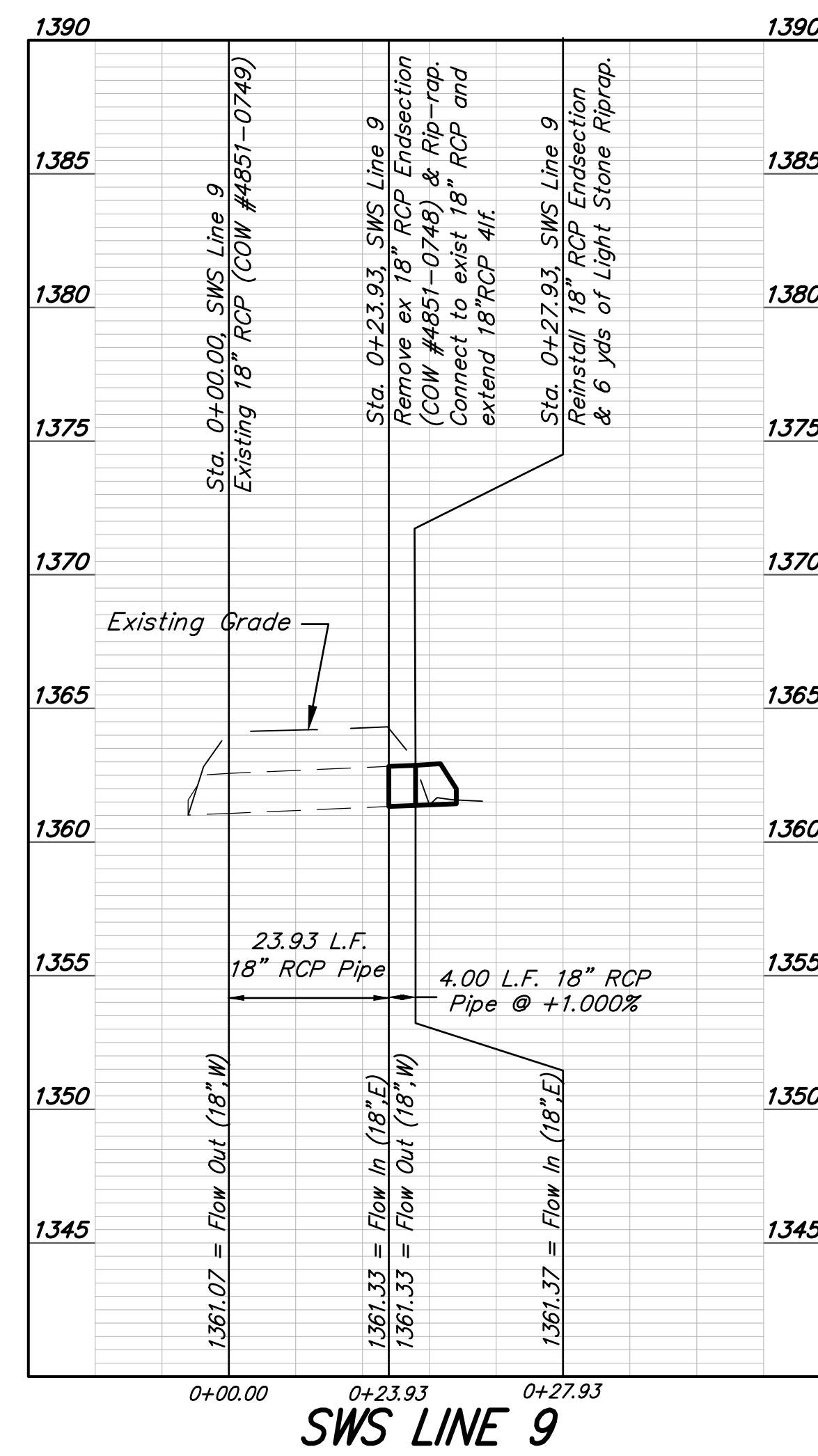
Baughman Company, P.A.
 1515 E. Main, Wichita, KS 67211 P: 316.262.2271 F: 316.262.0149
 PROFESSIONAL ENGINEERING LICENSE NO. 16976
 STATE OF KANSAS



Sta. 0+00.00, SWS Line 9
Existing 18" RCP (COW #4851-0749)
N=1,709,036.98 E=1,615,524.13

Sta. 0+23.93, SWS Line 9
Remove ex 18" RCP Endsection
(COW #4851-0748) & Rip-rap.
Connect to exist 18" RCP and
extend 18" RCP 4ft.
N=1,709,037.36 E=1,615,500.21

Sta. 0+27.93, SWS Line 9
Reinstall 18" RCP Endsection
& 6 yds of Light Stone Riprap.
N=1,709,037.43 E=1,615,496.21



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NYLOPLAST 12" DRAIN BASIN: 2812AG __ X

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1296GPF	7001-110-202
STANDARD	MEETS H-20	1296GSI	7001-110-203
SOLID COVER	MEETS H-20	1296GCG	7001-110-204
PEDESTRIAN BRONZE	N/A	1296GCPB	7001-110-205
DOMES	N/A	1296GCD	7001-110-206
DROP IN GRATE	LIGHT DUTY	1201DI	7001-110-021

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.

2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.

3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8' DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-005.

4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP & PVC SEWER).

5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

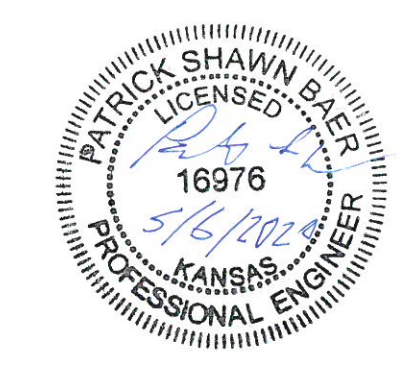
THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

DRAWN BY: EBC MATERIAL: NYLOPLAST
DATE: 03-29-06
REVISED BY: NMH PROJECT NO./NAME:
DATE: 03-11-16
DWG SIZE: A SCALE: 1:20 SHEET: 1 OF 1

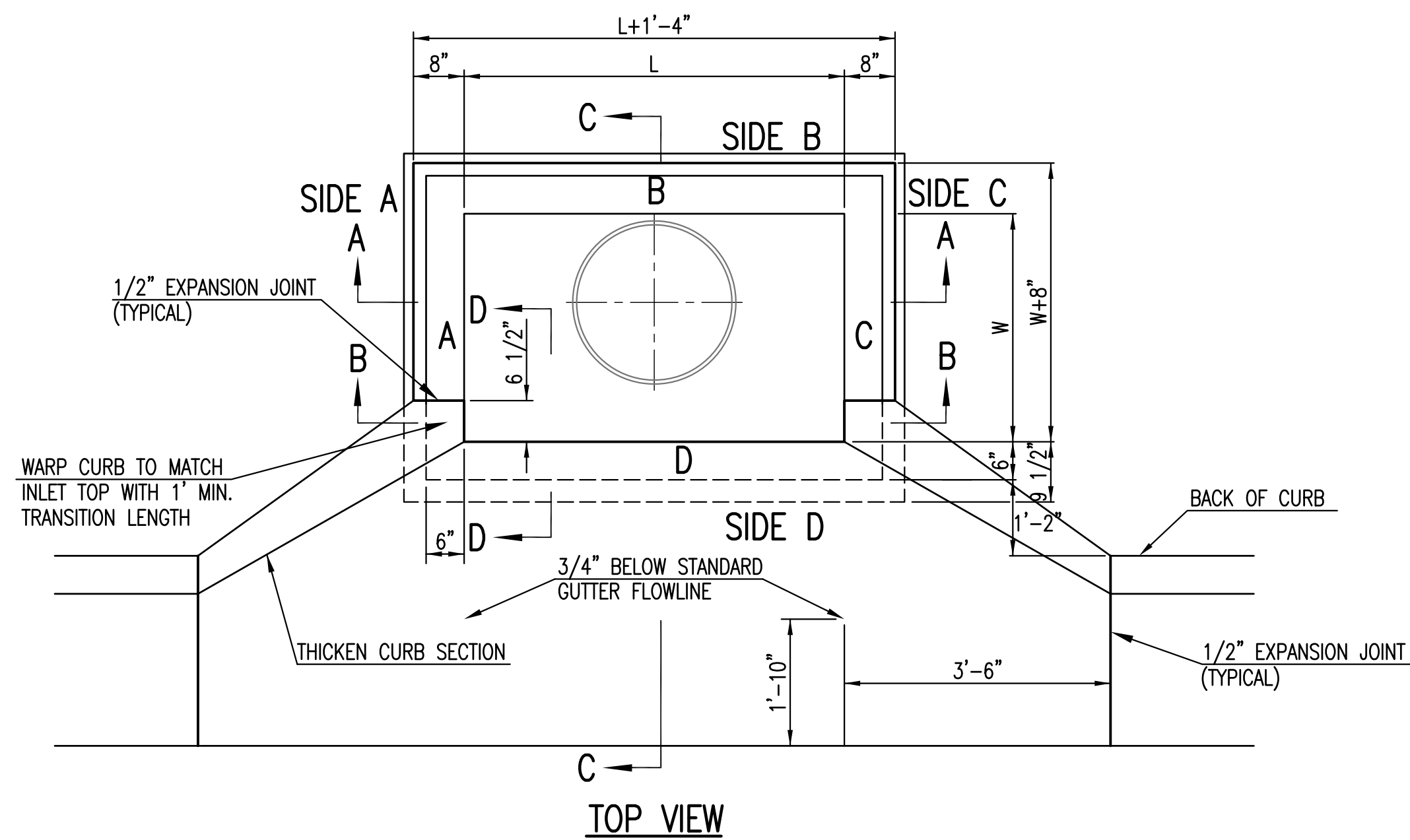
3130 VERONA AVE
BUFORD, GA 30516
PHN (770) 832-2443
FAX (770) 832-2490
www.nyloplast-us.com

TITLE: 12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
DWG NO.: 7001-110-189 REV: E

BUILT PER PLAN



Maize School South Campus Addition
LINE 9
ADS 12" Drain Basin
Stormwater Sewer Improvements



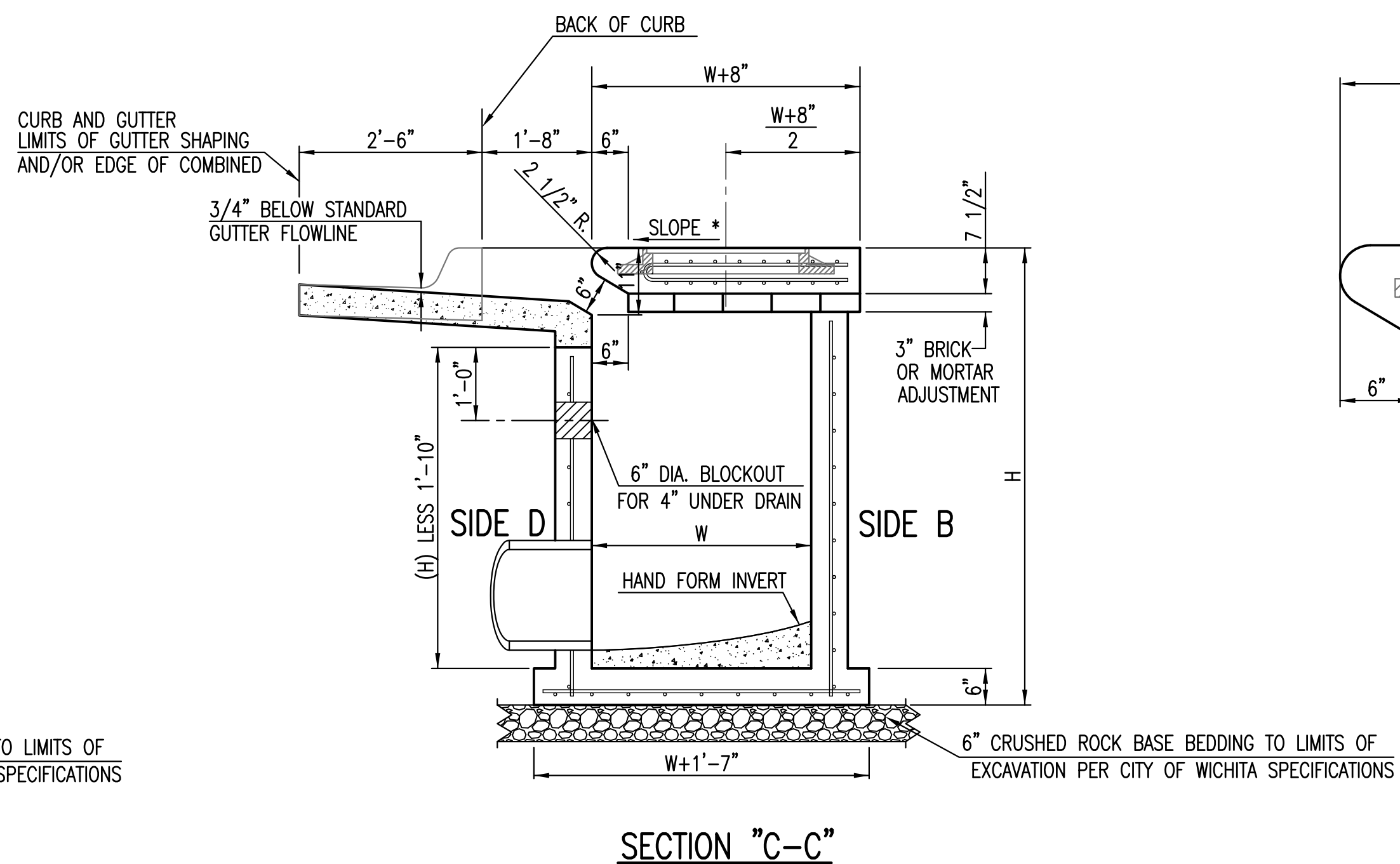
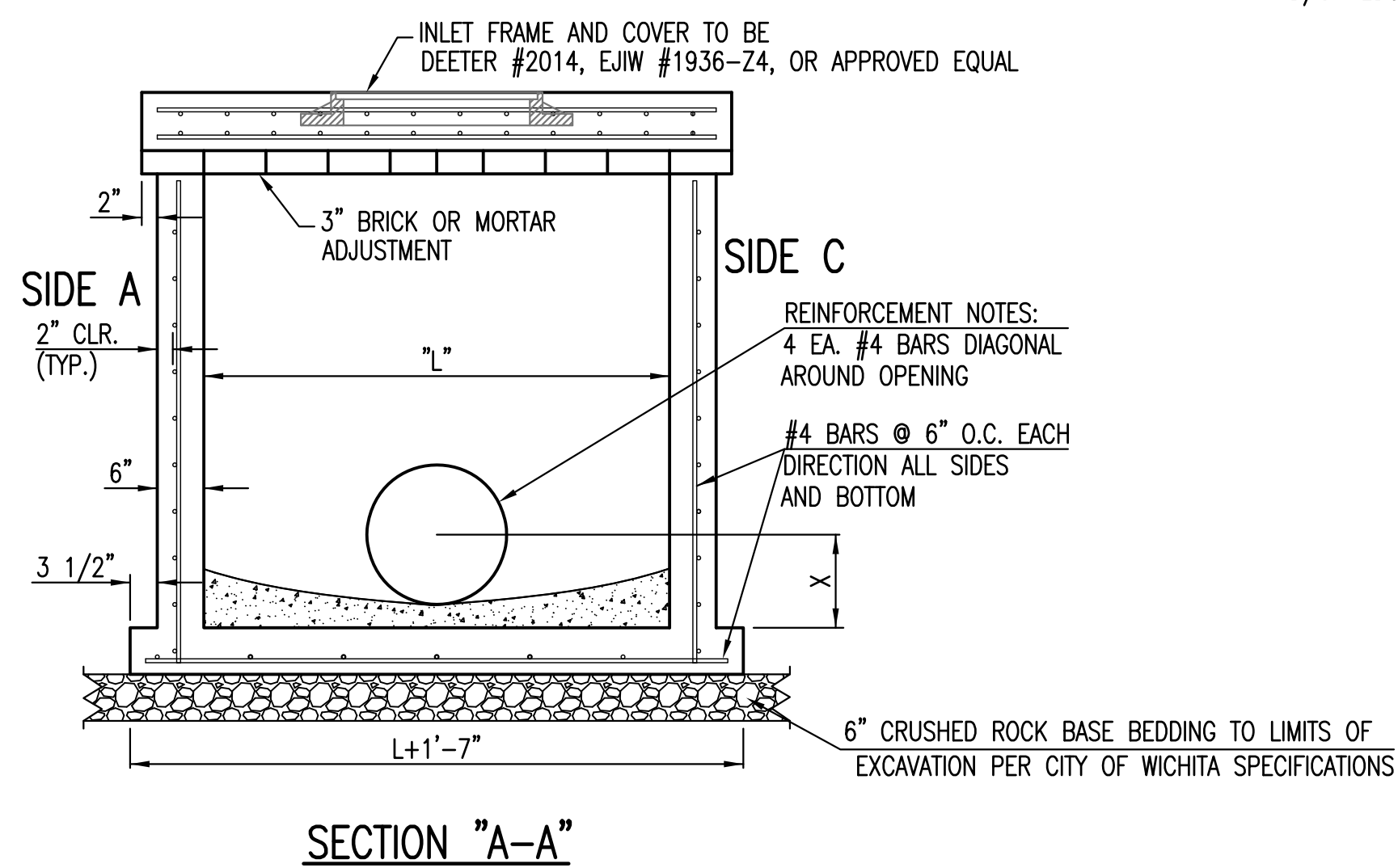
BAR SCHEDULE		
INLET OPENING	B1 BARS	SPACING
5'-0"	#4	4"
10'-0"	#6	3.5"

W	PRE-CAST CURB INLET WIDTHS			PIPE DIA.**
	WIDTH	LENGTH	TOP	
3'-0"	W+8"	L+1'-4"	7 1/2"	21" & SMALLER
4'-0"	W+8"	L+1'-4"	7 1/2"	24" & 30"
5'-0"	W+8"	L+1'-4"	7 1/2"	36" & 42"
6'-0"	W+8"	L+1'-4"	7 1/2"	48" & 54"
7'-0"	W+8"	L+1'-4"	7 1/2"	60" & 66"

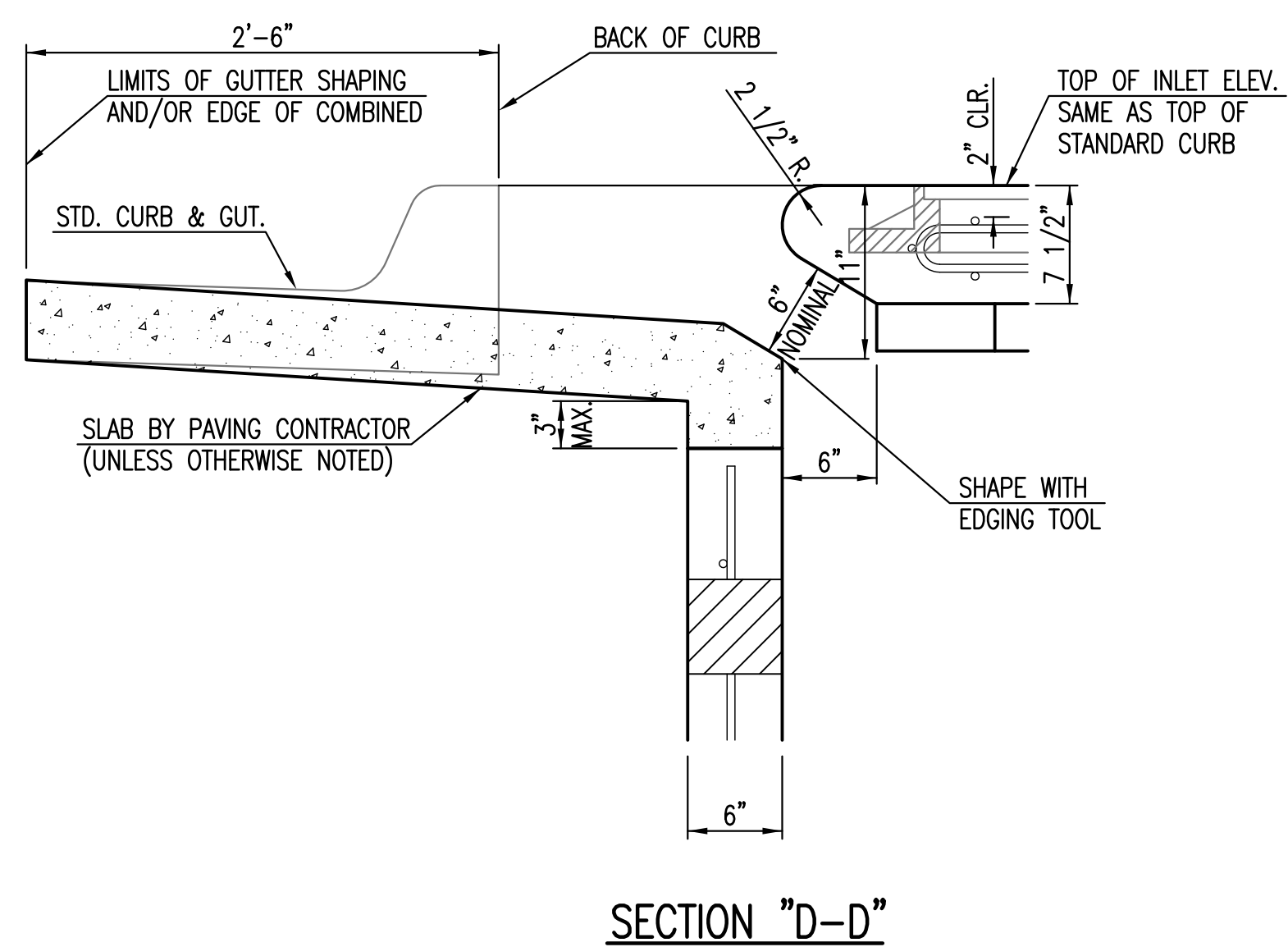
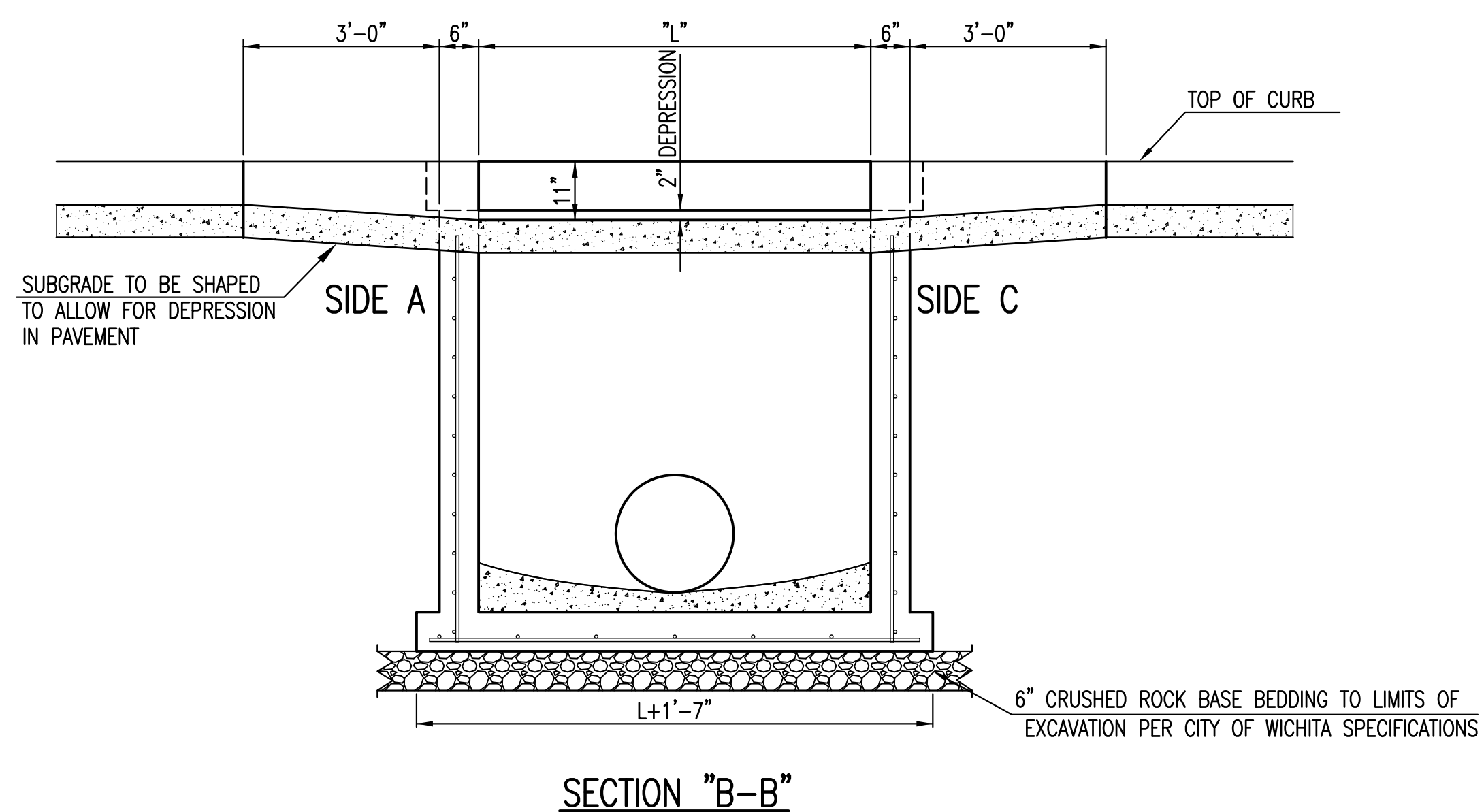
** FOR PIPES PERPENDICULAR TO INLET WALL


GENERAL NOTES

1. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
2. CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W=5'-0" AND H=7'-0" OR LESS.
3. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
4. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
5. INLET FRAME AND COVER TO BE DEETER #2014, EJIW #1936-Z4, OR APPROVED EQUAL, SEE SW-303.
6. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUDED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



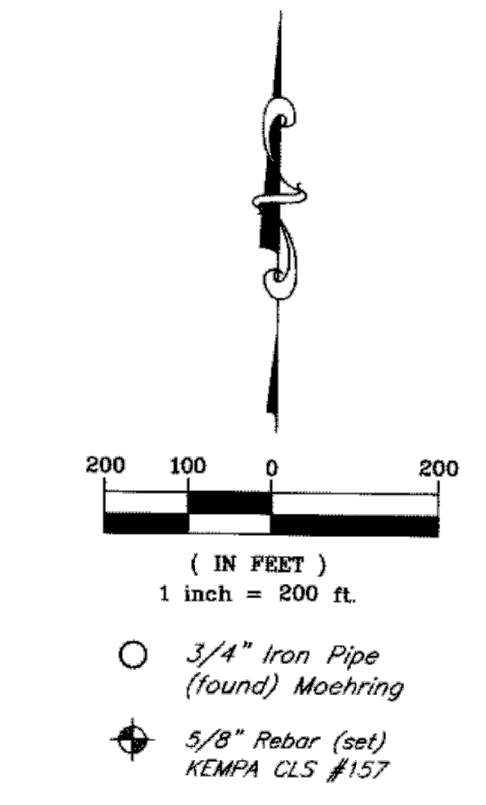
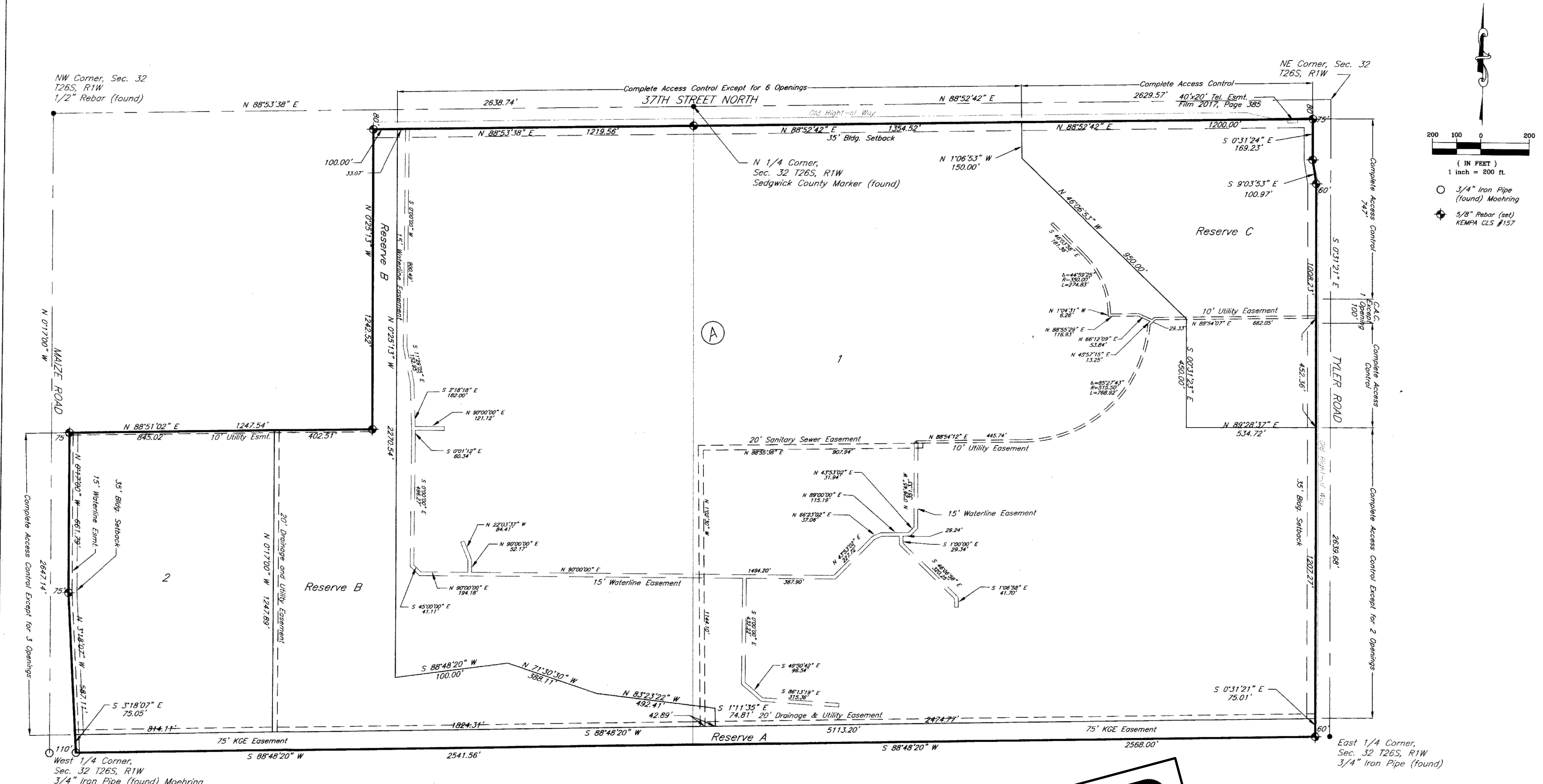
NOTES:
* SLOPE OF INLET TOP TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.



REVISION MAY 2017		UPDATED SET BACK DIMENSION ON TOP VIEW	
			
STANDARD TYPE 1A CURB INLET 5'-0" OR 10'-0" OPENING			
CITY ENGINEER GARY JANZEN, P.E.			
PROJECT NUMBER	OCA NUMBER	DATE	
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501			SHEET 11 of 13

MAIZE SCHOOL SOUTH CAMPUS ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

Part of the North 1/2, Section 32, Township 26 South, Range 1 West of the 6th. P.M.



**FOR REFERENCE ONLY
NOT TO SCALE**

Filename: 07081 Maize South Campus.dwg\Maize South Campus Final Plat.dwg 2.0F 2

516 S. Market, Wichita, KS 67202 316/264-0242

Baughman Company, P.A.

 Baughman