

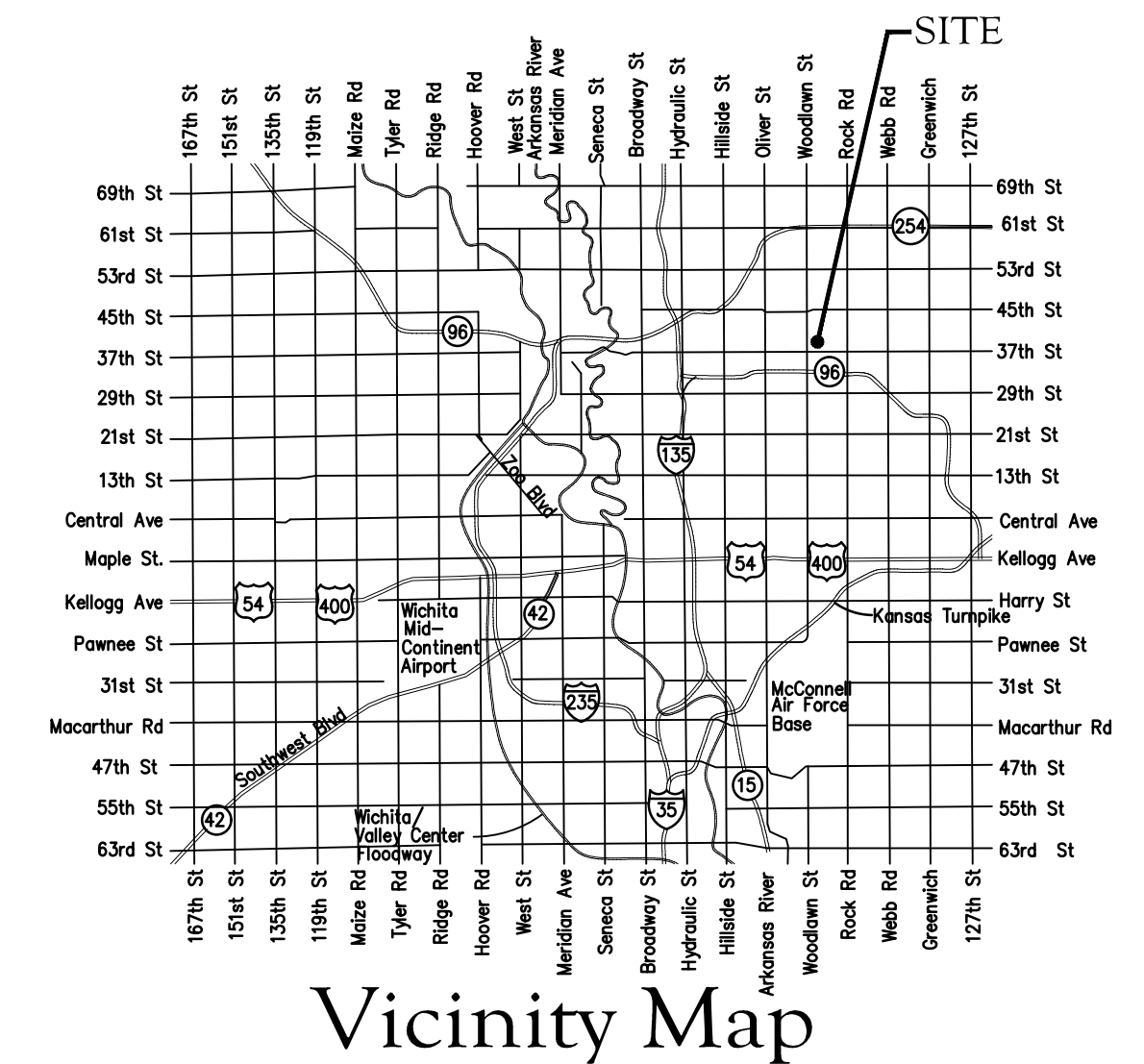
GENERAL NOTES:

- 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 1-800-246-8464
Black Hills Energy 1-800-694-8989
City of Bel Aire Public Works 1-316-744-2888
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
Uergy 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 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 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 valve 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 Dawnita Reinhardt at 316-650-0740 with the City of Wichita and City of Bel Aire Public Works at 1-316-744-2888 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 will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer at traffic@wichita.gov and City of Bel Aire Public Works 1-316-744-2888 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 Contractor's responsibility.
- All elevations shown are NAVD88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions per City specifications.
- City maintenance of storm sewer ends at last structure in the 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.
- All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMPs".
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.
Seed -- Kansas Premium Fescue Blend; 8 lbs. PLS/1000 Sq. Ft.
Annual Rye grass; 3 lbs./1000 Sq. Ft.
Fertilizer -- 12-24-12 Ratio; 45 Lbs./Ac.
Mulch -- 2 Tons Prairie Hay/Ac.
All other areas disturbed during construction are to be seeded as follows:
Seed -- Rye grass; 5 lbs./1000 Sq. Ft.
All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".
An additional bid item for "Seeding, Temporary" has been included and may be used at the discretion of the design engineer. Temporary seed shall be Annual Rye at 5 lbs./1000 Sq. Ft. unless otherwise noted and shall be planted when permanent seed or sod cannot be used due to seasonal limitations. If the "Seeding, Temporary" bid item is not used, 100% of the pay item will be deducted from the contract. All costs associated with temporary seeding including mobilization, preparation of ground, seeding, etc., shall be included in the L.S. bid item "Seeding, Temporary".
- 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.
- City of Bel Aire permit required for connection point approval. Contact City of Bel Aire Public Works 1-316-744-2888

STORM SEWER IMPROVEMENTS to serve CREDIT UNION OF AMERICA

3934 N. WOODLAWN
CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
2023-000807PPD
56030970



AS BUILTS

Contractor:

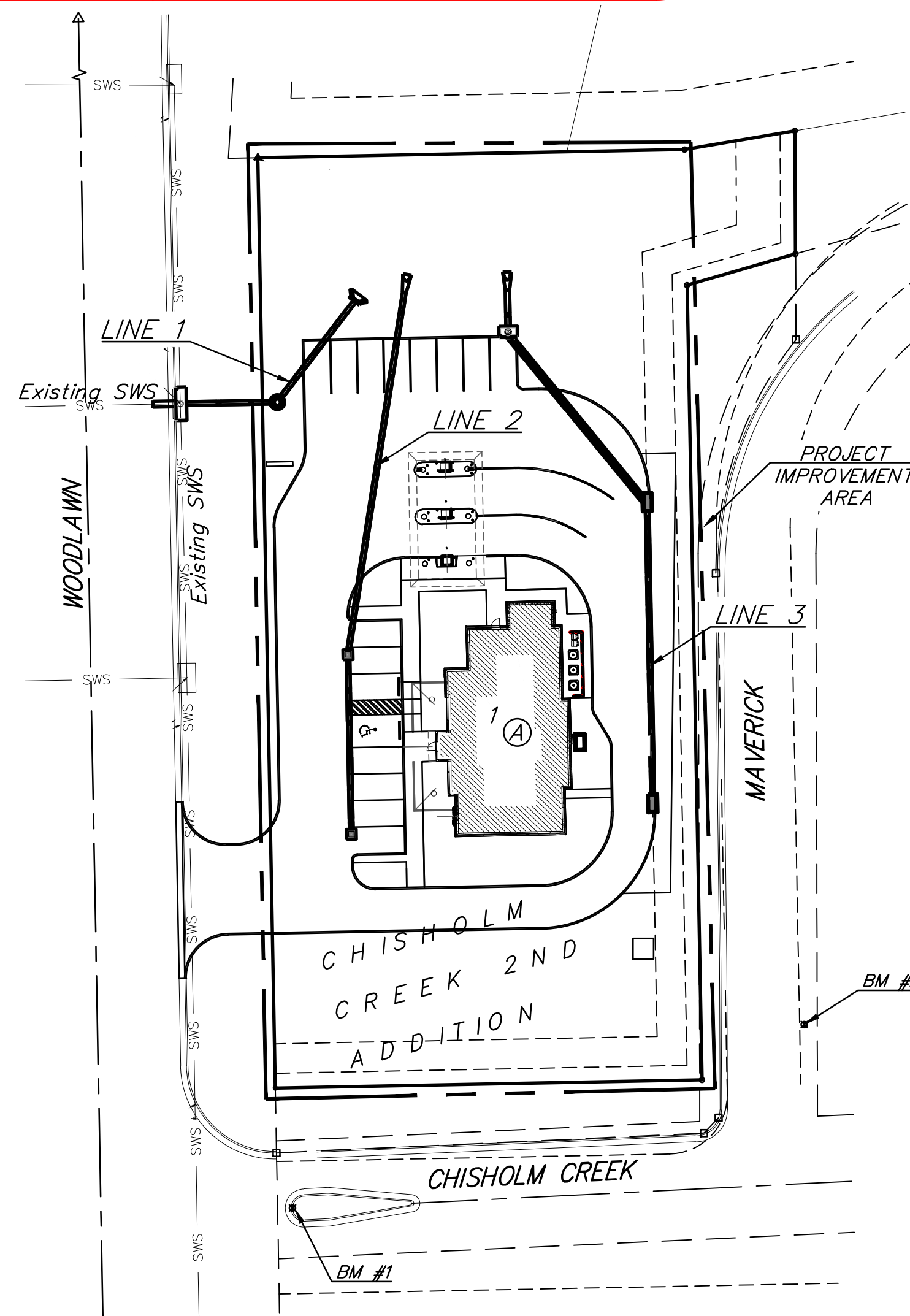
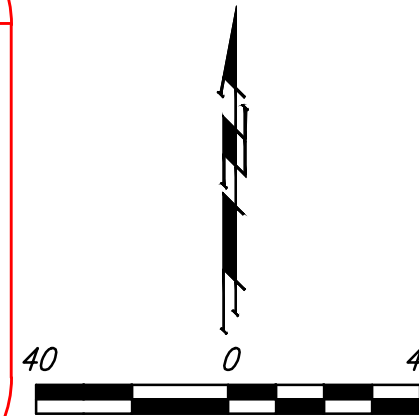
Ewertz Excavation

Project Inspector:

Larry Gann



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



Sheet Index

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Line 1	2
Line 2	3
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Erosion Control/Grading Plan	5
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Type 2 Double Inlet Detail	7
Single-Double Drop Inlet Detail	8
Precast Concrete Manhole Detail	9
MH-Inlet Frame & Cover Detail	10
Headwall Detail	11
Miscellaneous Detail	12
Erosion Control BMP Details	13-17
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<u>Stormwater Certification:</u>	
<u>New Development</u> or Redevelopment (Circle One)	
Stormwater Permit # <u>SW02023-0012</u>	
NOI Permit #	<u>S-AR94-1816</u> KSR 121202
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) =	<u>1.1</u> Ac.
Disturbed Area (Acres) =	<u>1.1</u> Ac.
Water Quality Treatment:	<u>Off Site BMP Program</u>
Downstream Channel Protection:	<u>NA</u>
Detention:	<u>Dry Detention</u>
The BMP used for this development is <u>Offsite BMP</u>	

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
AND STORMWATER DIVISION

Engineering approved by Shawn Mellies on 04.19.23

Stormwater approved by Joe Hickle on 04.19.23

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 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.

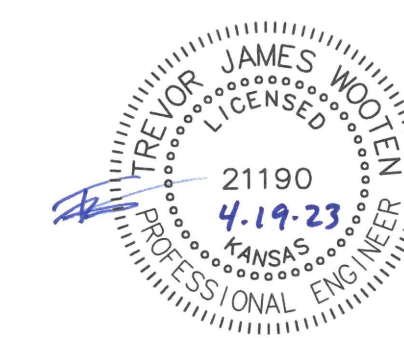
Approved:

Approved by Anne Stephens
Anne Stephens
Public Works Director/City Engineer
Date: 04.18.23

Benchmarks

BM #1: "X" chiseled on top of curb, west end of island in Chisholm Creek private drive.
Elevation = 1372.13 (NGVD 29)

BM #2: 60d nail, east of Maverick Drive private drive, near SE corner of site
Elevation = 1367.51 (NGVD 29)



BENCHMARKS:

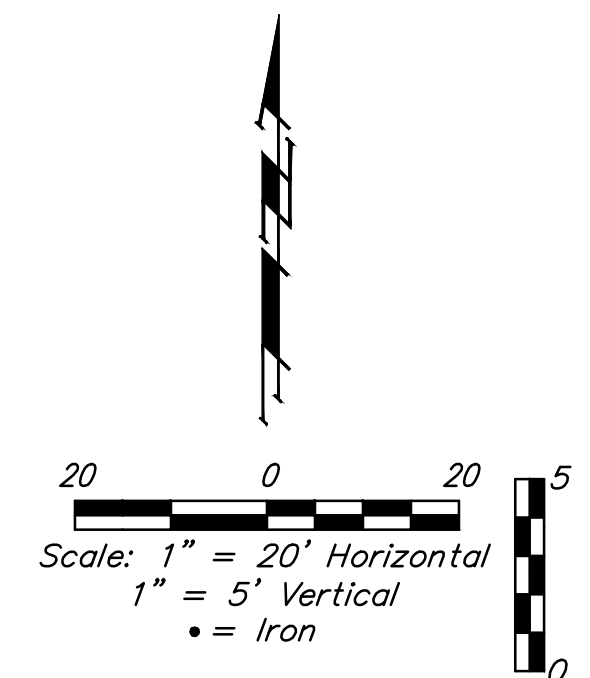
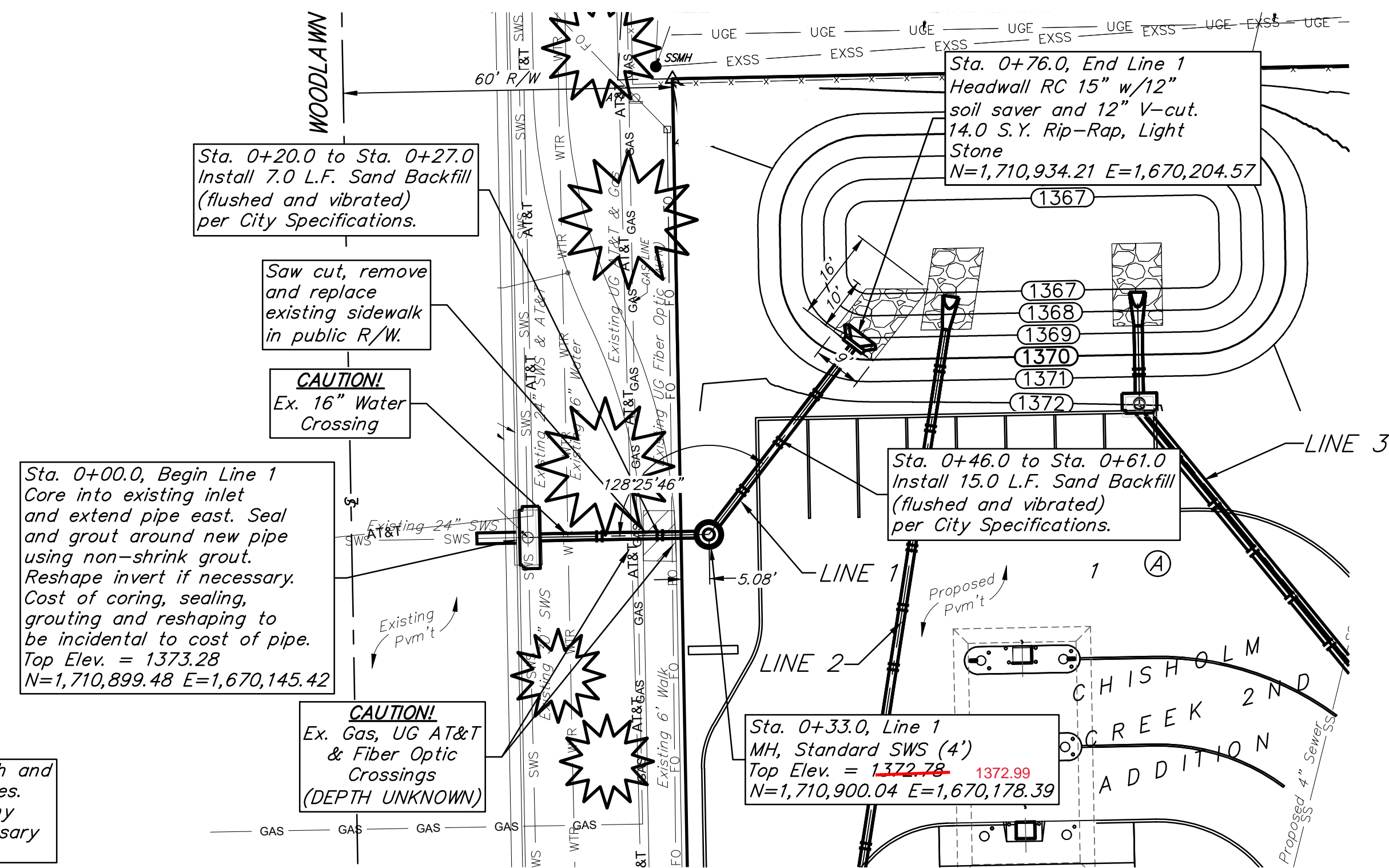
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AS BUILTS

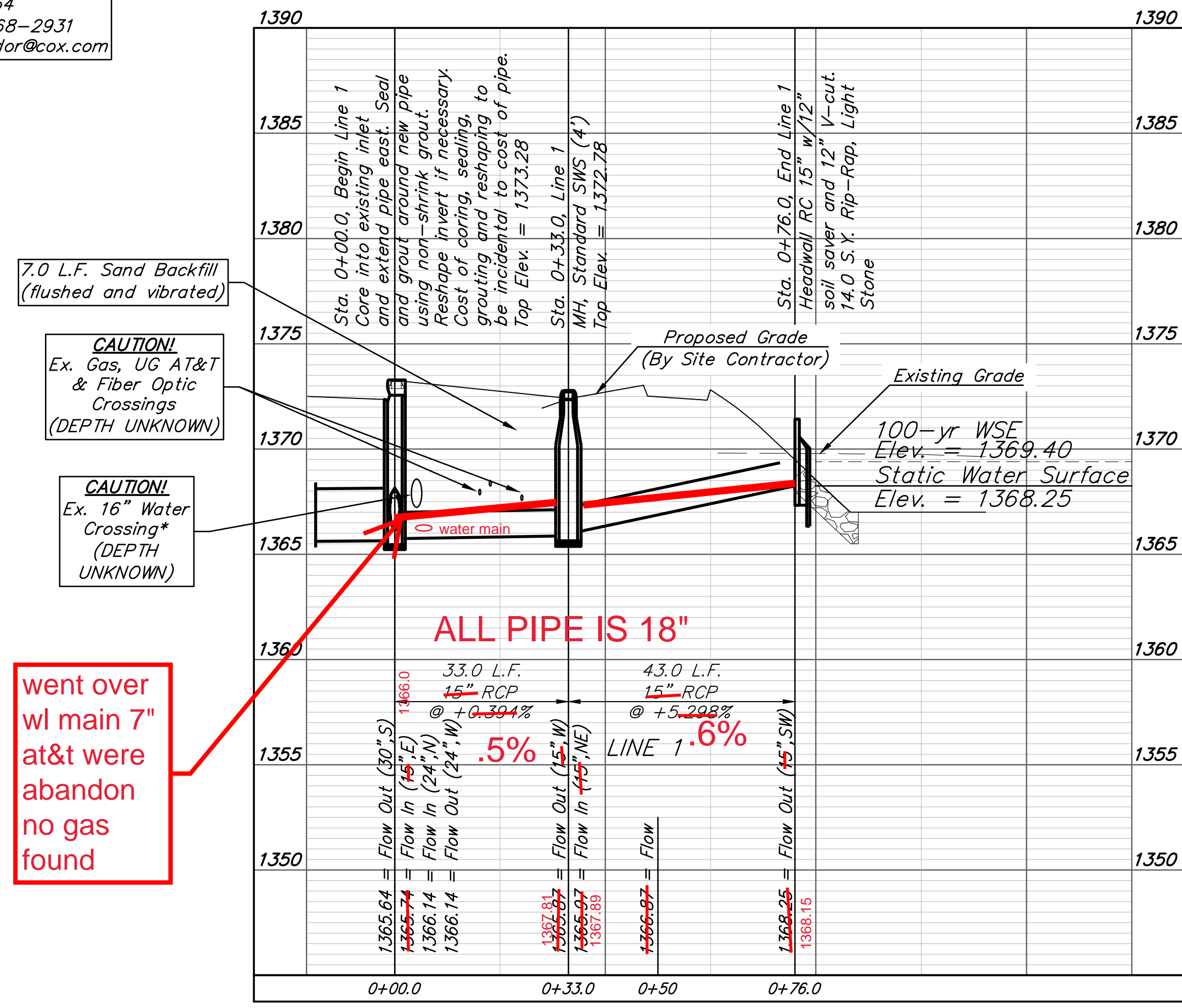
KEMILLER
ENGINEERING PA

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



City Maintenance of storm sewer mains ends at last structure within right-of-way line.

Contact utility companies 3 weeks prior to construction to coordinate temporary removal/replacement.
Heide Bryan, Evergy, (316) 261-6354
Shannon Brinkmeyer, AT&T (316) 268-2931
Travis Taylor, Cox Comm., Travis.taylor@cox.com



went over wl main 7" at&t were abandon no gas found

*Existing water line depth is unknown. Water line to be hydro excavated prior to construction. Contractor shall include cost for lowering water line, if necessary for storm sewer construction. Contractor shall match existing pipe type and use ductile iron for all short pipe lengths per City of Wichita Requirements. Contractor shall minimize any water main shut down-time and coordinate with the City of Wichita Water Department.

DEPTH UNKNOWN
Contractor to Verify Depth & Location of Existing SWS Line Prior to Construction.

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

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LINE 1

STORM WATER SEWER IMPROVEMENTS

PROJECT NUMBER:
22-09-E300

DESIGN: TJW DRAWN: TMS

DATE: April 19, 2023

SHEET OF
2 18

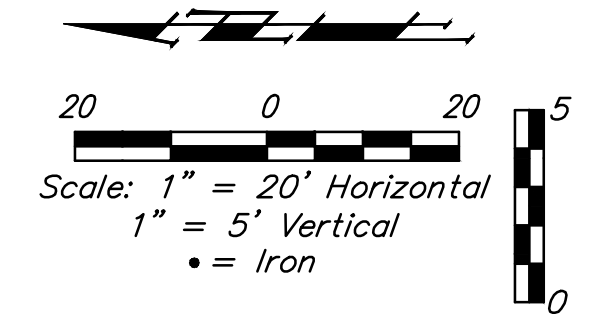
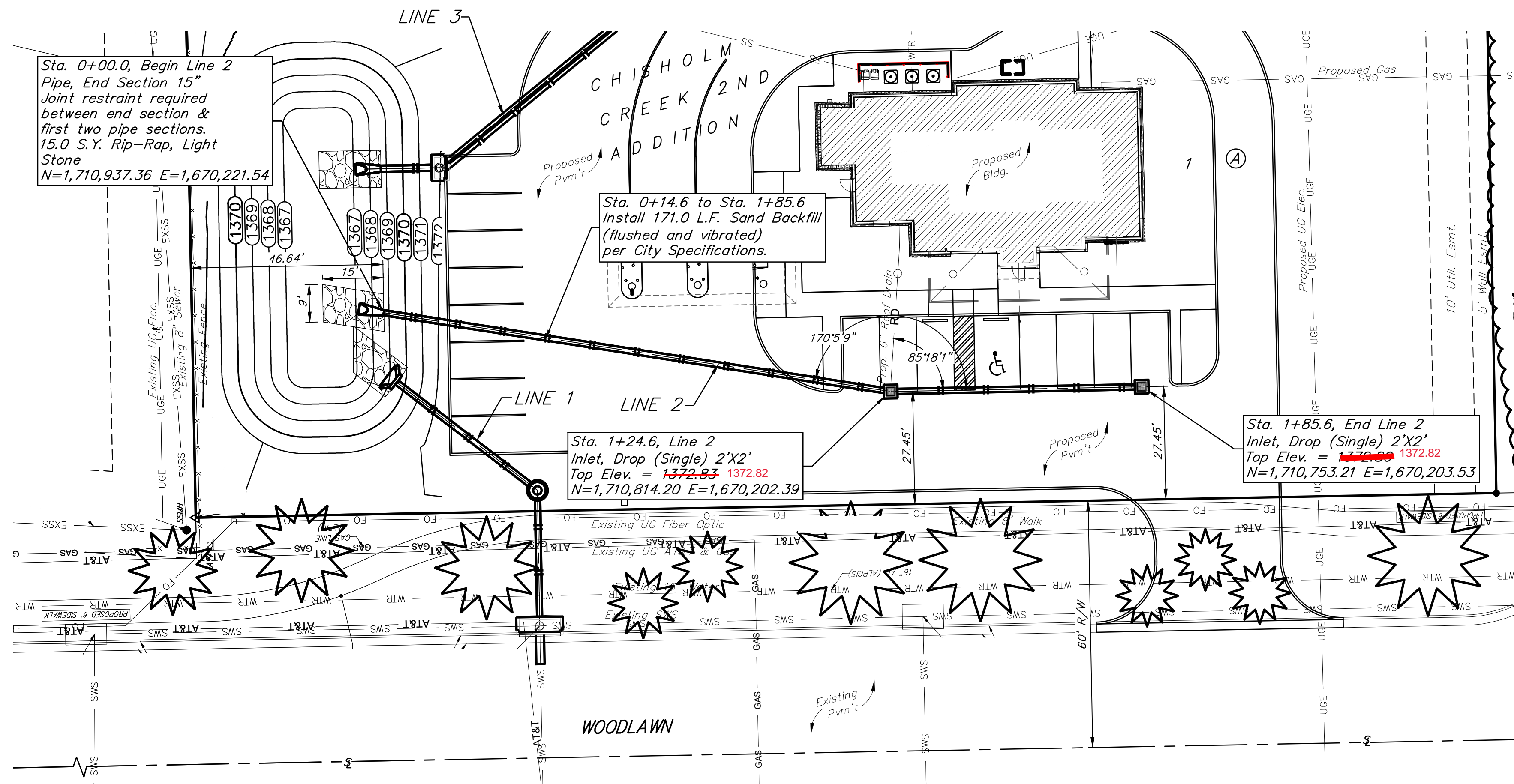
BENCHMARKS:
 BM #1: "X" chiseled on top of curb, west end of island in Chisholm Creek private drive. Elevation = 1372.13 (NGVD 29)

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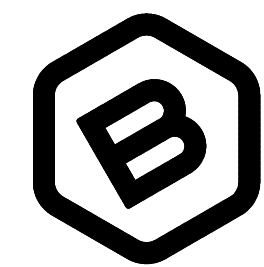
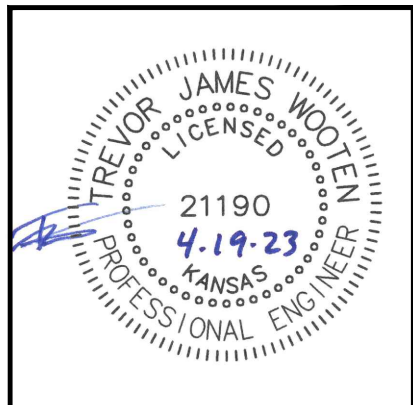
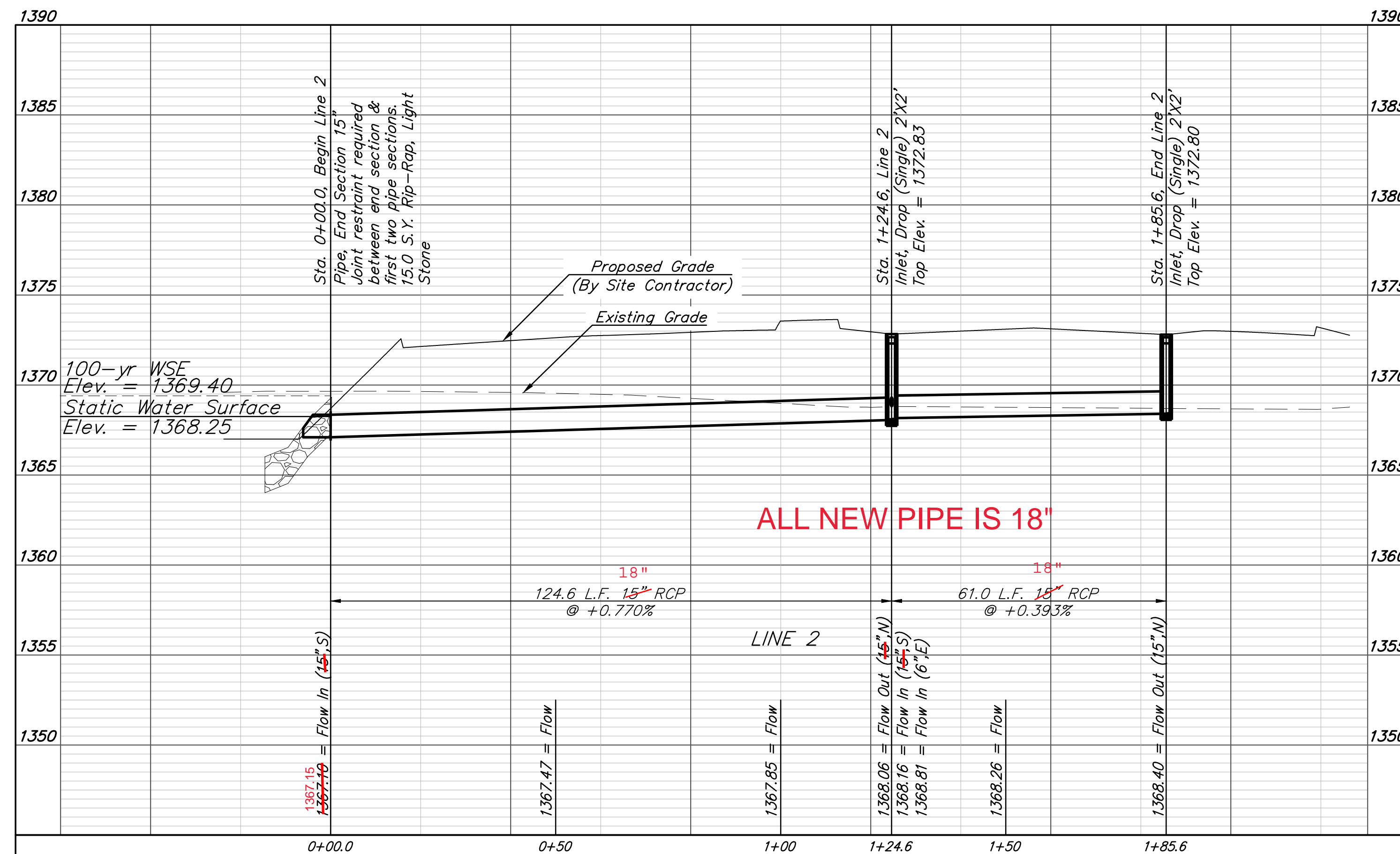
AS BUILTS



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



Structures and pipe on this sheet are a private sws system.



BAUGHMAN COMPANY

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 Wichita, KS 67211
 316-262-7271
 BaughmanCo.com

CREDIT UNION OF AMERICA

LINE 2

STORM WATER SEWER IMPROVEMENTS

PROJECT NUMBER:
 22-09-E300

DESIGN: TJW DRAWN: TMS

DATE: April 19, 2023

SHEET **3** OF **18**

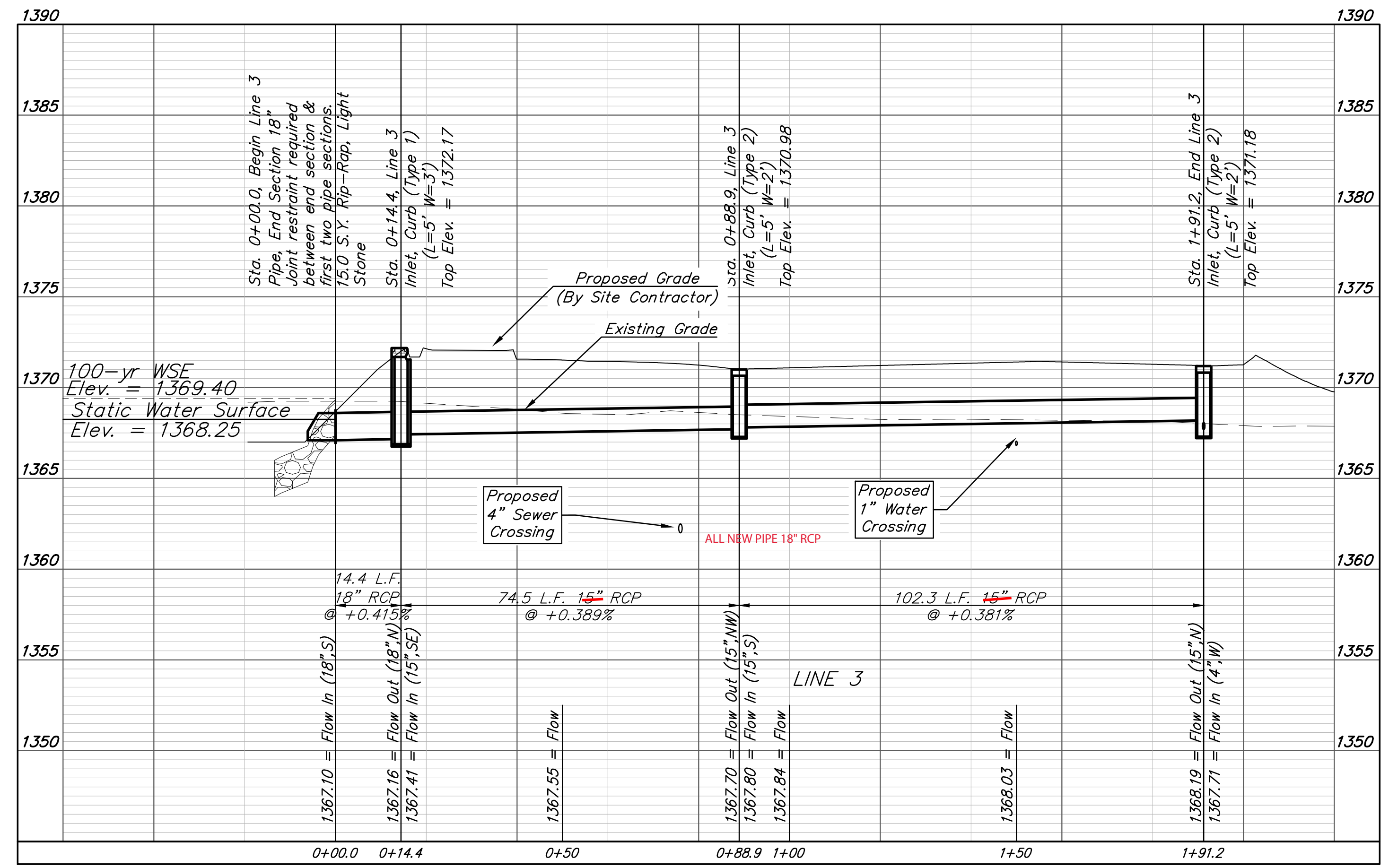
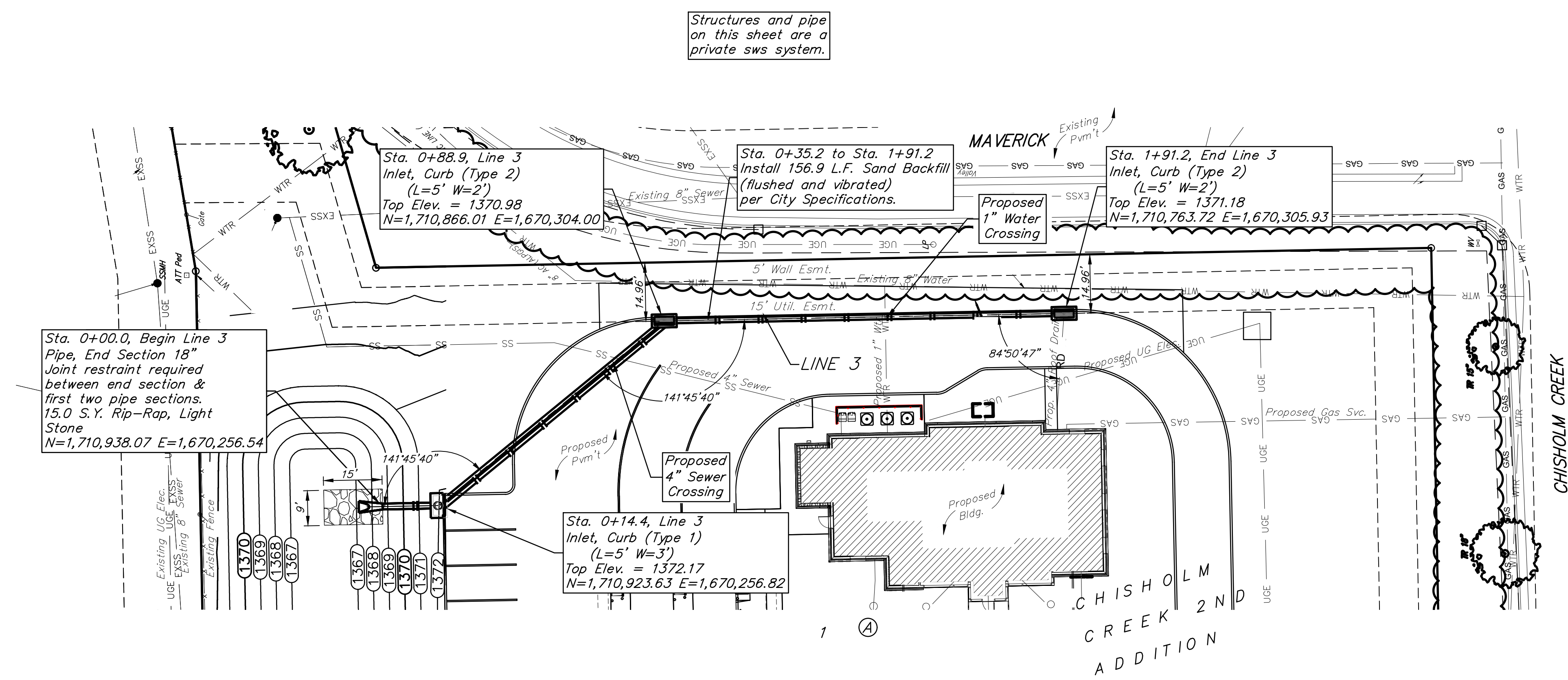
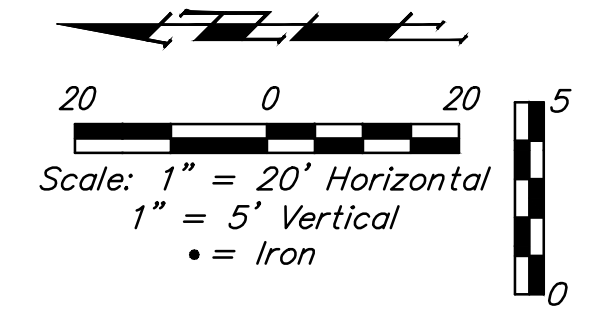
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 Elevation = 1367.51 (NGVD 29)

AS BUILTS

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 Wichita, KS 67202 (316)264-0242



TREVOR JAMES WOOTEN
 LICENSED PROFESSIONAL ENGINEER
 21190
 4.19.23

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 Wichita, KS 67211
 316-262-7271
 BaughmanCo.com

CREDIT UNION OF AMERICA

LINE 3

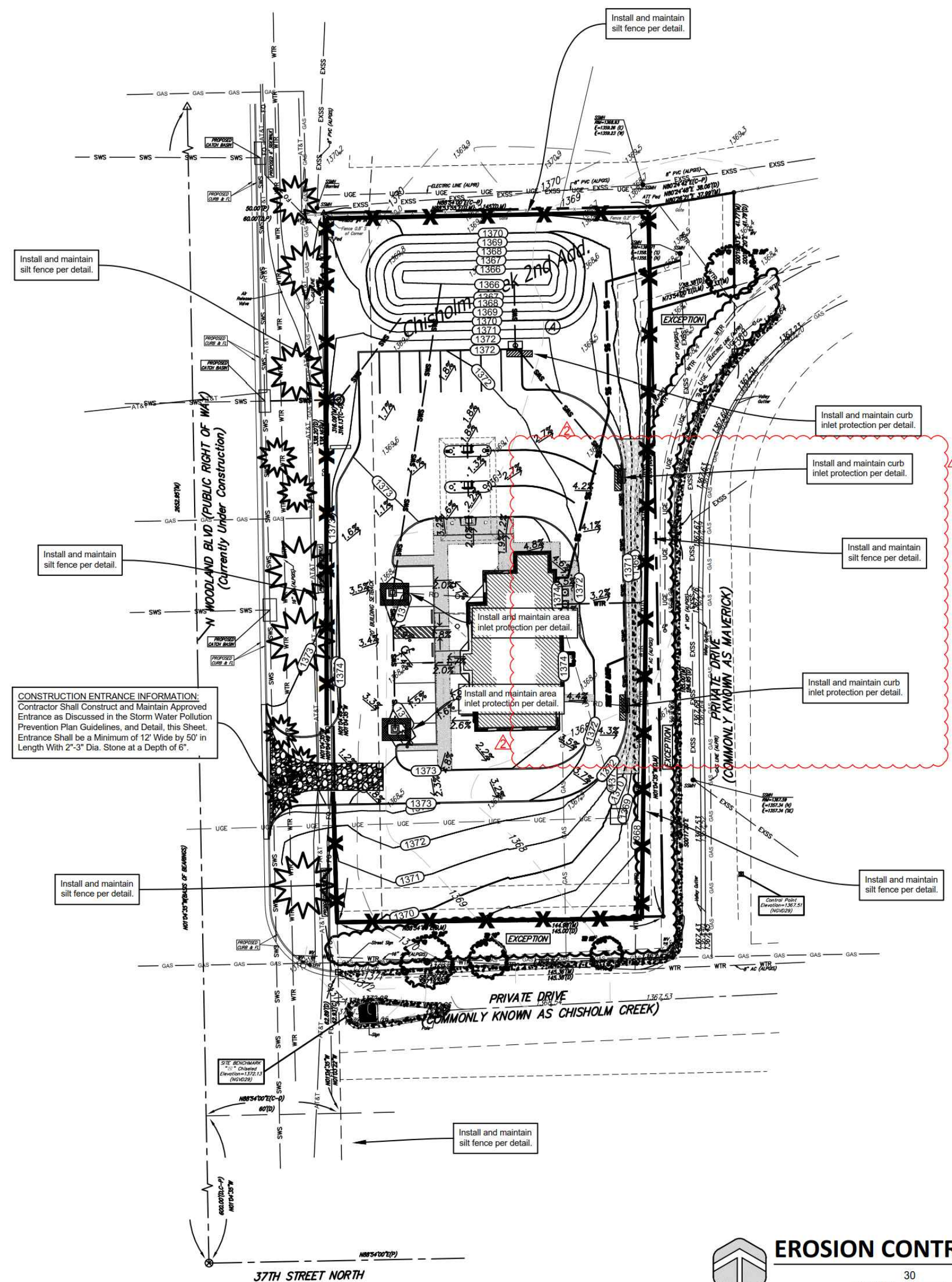
STORM WATER SEWER IMPROVEMENTS

PROJECT NUMBER:
 22-09-E300

DESIGN: TJW DRAWN: TMS
 DATE: April 19, 2023

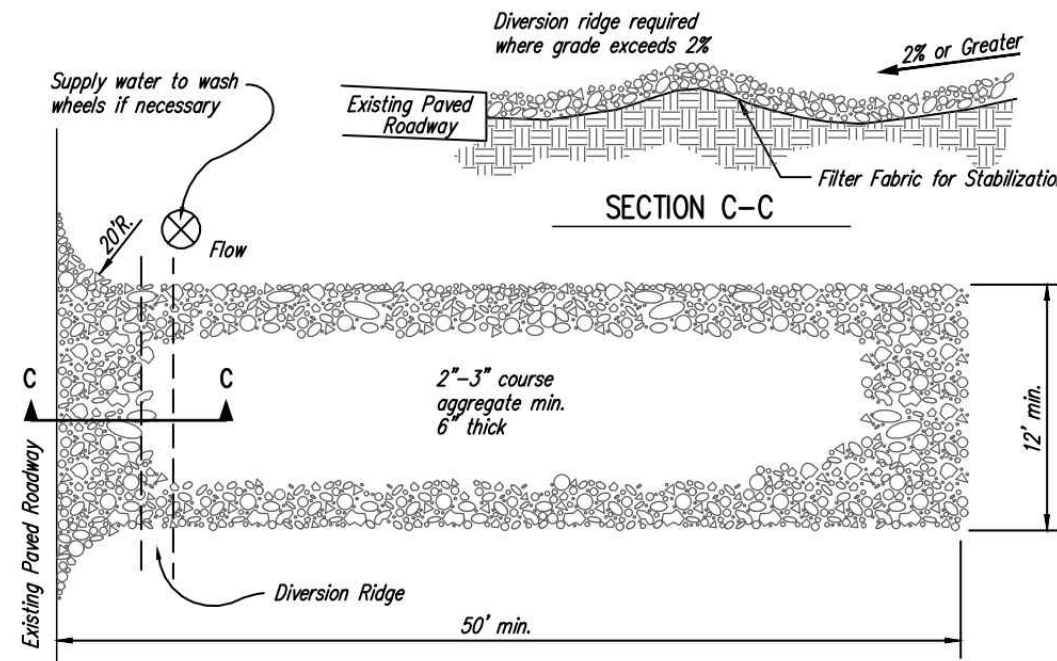
SHEET 4 OF 18

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EROSION CONTROL NOTES

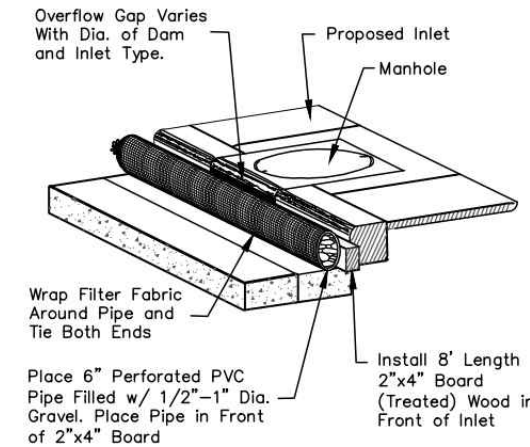
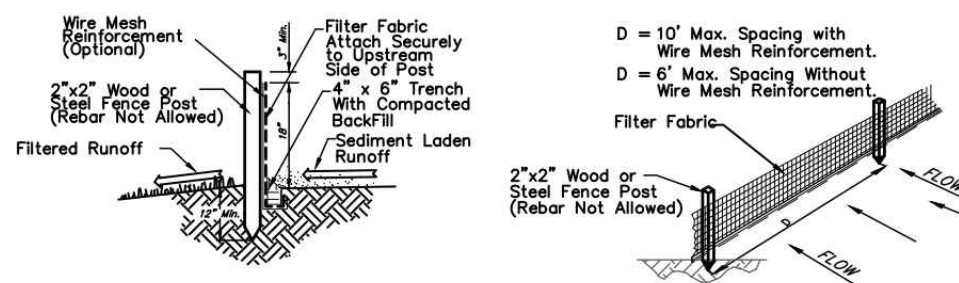
- No land clearing or grading shall begin until all applicable erosion control measures have been installed. This project is subject to this SWPP Plan, if applicable. The Contractor shall comply with any unusual requirements as necessary for the site to be in compliance during construction, per this plan and per City and State specifications (See #11).
- All exposed areas shall be seeded as specified within 14 days of final grading. Seed is to include straw mulch, crimped in place per industry standards.
- Should construction stop for longer than 14 days, the site shall be seeded as specified.
- Maintain erosion control measures after each rain and at least once a week.
- This plan shall not be considered all inclusive as the contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- Contractor shall comply with all state and local ordinances that apply.
- Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection.
- Land disturbing activities shall not commence until approval to do so has been received by governing authorities.
- If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be covered with filter fabric.
- See Landscape Plan for ground treatments in all disturbed areas beyond impervious surfaces.
- This Erosion Control Plan should be in job trailer and/or on site at all times. The Contractor is responsible for any needed changes, updates or maintenance to BMP's on site. This plan may change and updates need to be recorded and documented on the plan. This plan is a flexible plan, due to changing site conditions and weather. Please inform Landscape Architect and/or Engineer of changes to plan.
- ANY substitutions for the sediment control devices shown, must be approved by the Landscape Architect and/or Engineer prior to any uses on site.
- If site disturbance is over 1 acre, an NPDES Permit Application has been submitted for this property and a copy of this application must be kept at the job site for the duration of the construction process.



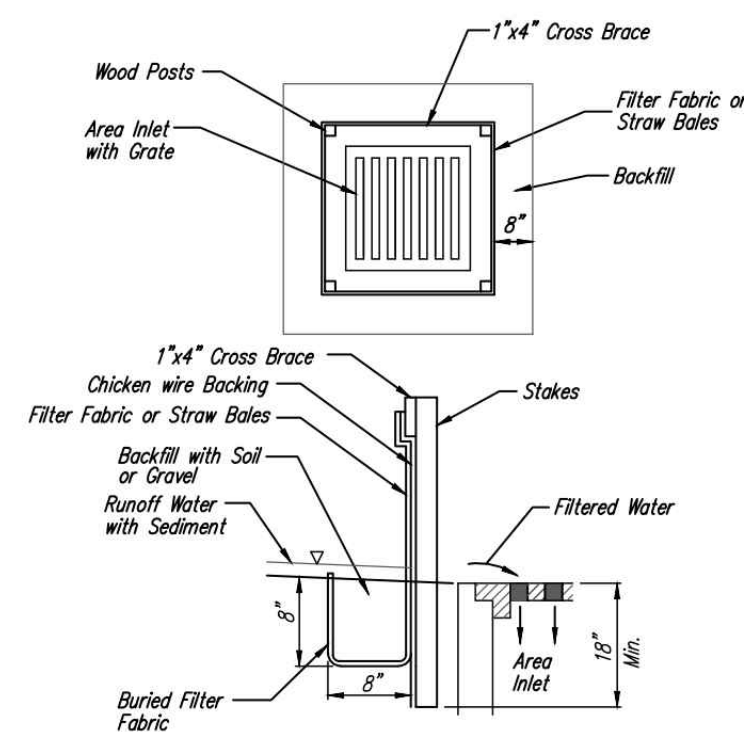
NOTES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
- DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELING.

1 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



4 INLET PROTECTION FOR AREA INLETS
(INLET PROTECTION: SILT FENCE OR STRAW BALES)



**FOR REFERENCE ONLY
NOT TO SCALE**

**MABCD REVIEW
STAMP LOCATION**



LEGAL DESCRIPTION

Lot 1, Block A, Chisholm Creek 2nd Addition, Wichita, Sedgewick County, Kansas.

SITE INFORMATION

Total Area:	547,467.28 sq. ft. (1.09 acres)
Disturbed Area:	547,467.28 sq. ft. (1.09 acres)
Impervious Area, pre-const:	30 sq. ft. (0.00 acres)
Impervious Area, post-const:	128,288 sq. ft. (0.65 acres)

BENCHMARKS

Site Benchmark - 1
"X" chiseled on top of curb, west end of island in Chisholm Creek private drive
Elevation = 1372.13 (NGVD 29)

Site Control Point - 2
60d nail, east of Maverick Drive private drive, near SE corner of site
Elevation = 1367.51 (NGVD 29)

KANSAS ONE CALL

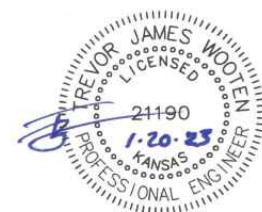
Contractor shall be required to provide notice to Kansas One Call at 287-2476 a minimum of three (3) working days prior to any excavation or work adjacent to utilities.
Kansas One Call 1-800-DIG-SAFE

UTILITY CONTACTS

The Contractor must notify the following in case of an emergency:

Kansas Gas Service (Gas)	1-888-482-4950
Black Hills Energy (Gas)	1-800-303-0357
Energy (Electric)	383-8650
Cox Communications (Telecommunication)	262-4270
AT&T (Telecommunication)	268-2759
City of Wichita Water Dept. (Water)	268-4563 or 268-4908
City of Wichita Sewer Maint. (San. Sewer)	268-4024 or 262-6000
City of Wichita Storm Sewer Maint. (Storm Sewer)	268-4090
City of Wichita Traffic Maint. (Traf. Control)	268-4034 or 268-4203
Conoco Pipeline Co. (Petroleum)	1-800-231-2551
Williams Pipeline Co. (Petroleum)	529-6600 or 1-800-324-9696
Phillips Pipeline Co. (Petroleum)	1-800-766-8230

SJCF architecture
Empire Center | 257 N. Broadway | Wichita, Kansas 67202-2303 | 316.684.0171
sjcf.com



DUDLEY WILLIAMS & ASSOCIATES, P.A.
STRUCTURAL ENGINEERS
MECHANICAL ENGINEERS
JOHNSON ENGINEERING
ELECTRICAL ENGINEERS
BAUGHMAN COMPANY, P.A.
CIVIL ENGINEERS

CREDIT UNION OF AMERICA
NEW NORTH WOODLAWN BRANCH
NORTH WOODLAWN, WICHITA, KANSAS 67220

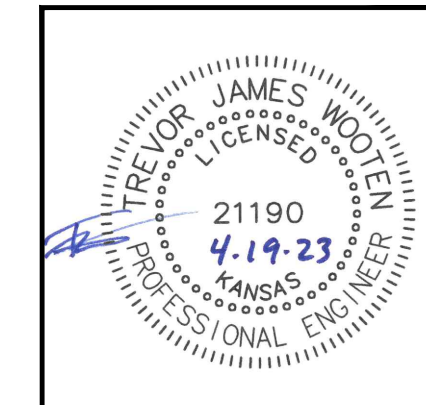
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REVISIONS
ADDENDUM 02 - 08 DEC 2022
ADDENDUM 03 - 20 JAN 2023

PROJECT NUMBER
5349.72
DATE
23 NOV 2022

EROSION CONTROL PLAN

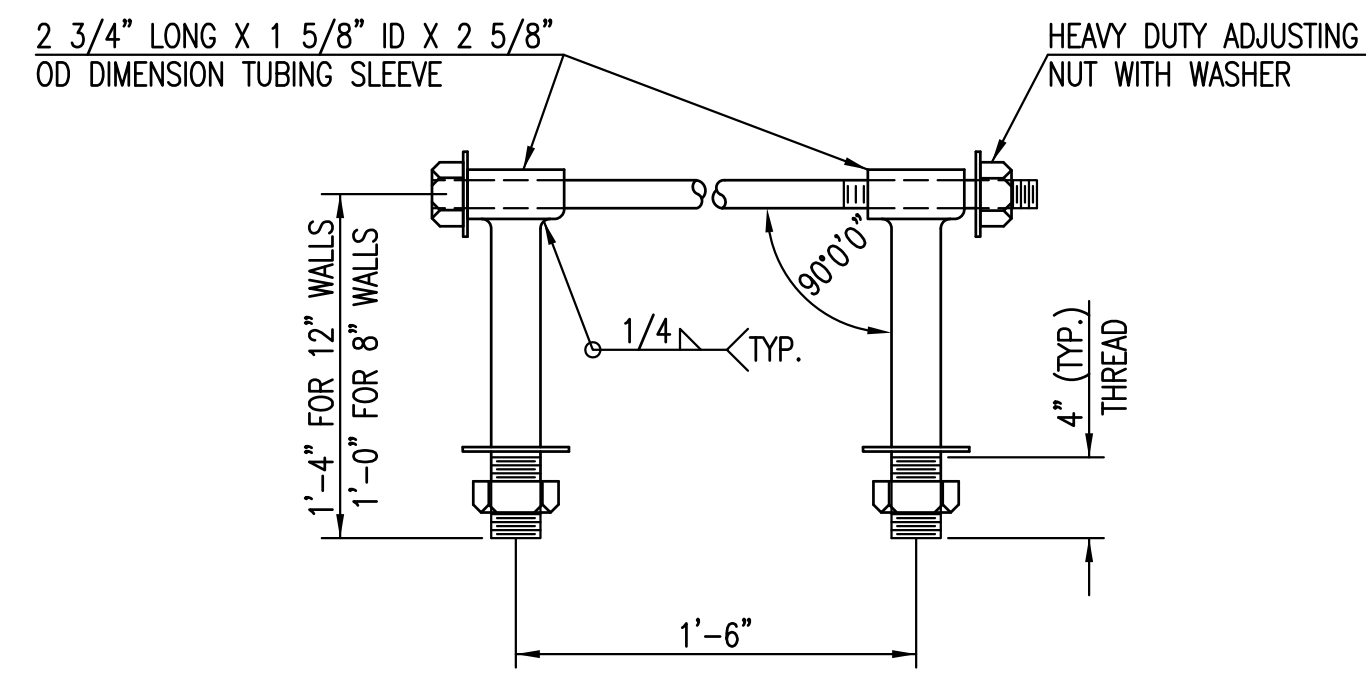
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Wichita, KS 67211
316-262-7271
BaughmanCo.com

CREDIT UNION OF AMERICA
GRADING & EROSION CONTROL PLAN
STORM WATER SEWER IMPROVEMENTS
PROJECT NUMBER:
22-09-E300

DESIGN: DRAWN:
DATE: April 19, 2023
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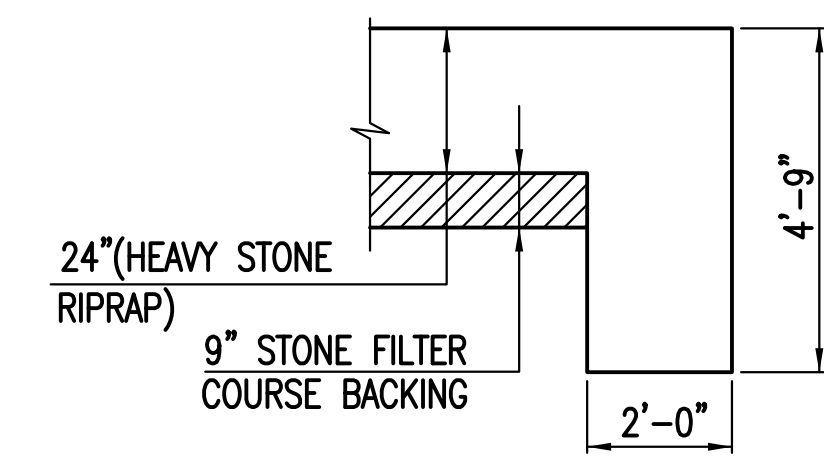


HEAVY DUTY (H.D.) COUPLER

NO SCALE

NOTES

1. BOLTS TO BE A-36 1 1/2" DIAMETER.
2. BOLTS, NUTS, WASHERS AND SLEEVES TO BE ZINC PLATED.
3. WASHERS TO BE 3 1/2" O.D. X 7 GAUGE.
4. SHIP WITH NUTS AND WASHERS PLACED ON BOLTS.



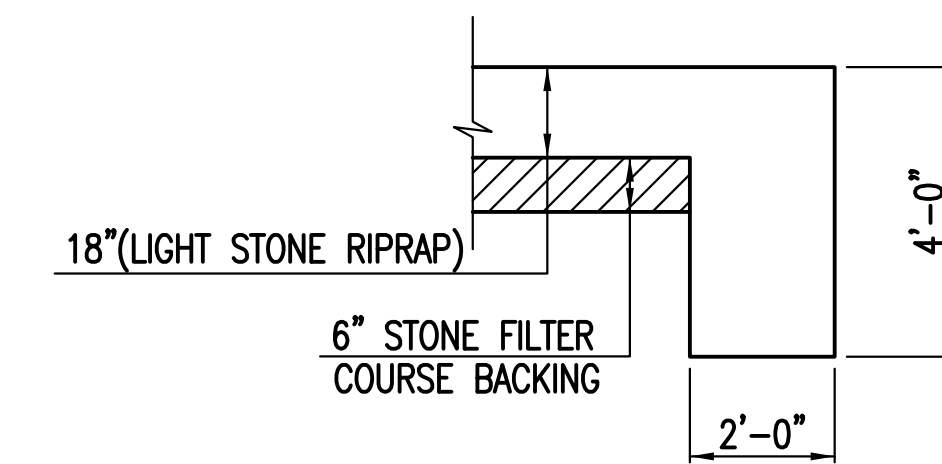
TYPICAL SECTION THRU TOEWALL

NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED, UNLESS INDICATED OTHERWISE.
2. TOEWALLS SHALL BE INSTALLED ALONG ALL UNPROTECTED EDGES OF STONE RIPRAP.
3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED, UNLESS INDICATED OTHERWISE. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.

HEAVY STONE RIPRAP DETAILS



TYPICAL SECTION THRU TOEWALL

NO SCALE

NOTES

1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED, UNLESS INDICATED OTHERWISE.
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LIGHT STONE RIPRAP DETAILS



MISCELLANEOUS
DETAILS
(STORM SEWER)

CITY ENGINEER

GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
		11/2010

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET

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