

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
 - Maintain a minimum of 10-foot horizontal separation between all water lines (mains, services, and fire hydrants) and all sanitary sewer lines (mains, services, and manholes). All separation distances are to be measured from edge-to-edge, at the closest point.
 - Maintain a minimum of 2-foot vertical separation between all water lines (mains and services) and all gravity sanitary sewer lines (mains, services, and manholes) at crossings. All separation distances are to be measured from edge-to-edge, at the closest point.
 - Maintain a minimum of 2-foot vertical separation between all water lines (mains and services) and all pressurized sanitary sewer lines (force mains and services) at crossings. Waterlines must always be placed above pressurized sanitary sewer lines where they cross. All separation distances are to be measured from edge-to-edge, at the closest point.
- 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

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

The Contractor must notify the following in case of an emergency:
- 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 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 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 NAVD88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions per City specifications.
- 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.
- All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any work on this project can commence. Quotes can be obtained on fees by calling 316-268-4555.
- City maintenance of water mains ends at right-of-way.
- Opening and closing of water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the contractor must be reopened as new construction permits. The project inspector must ascertain that any valve closed by the Contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.
- The Contractor shall lay a Tracer Wire and Set Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet WL-101, cost is subsidiary to pipe installation.
- The contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie-ins.
- Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be performed during non-peak hours.
- The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.
- Deflections at pipe joint or couplings shall not exceed the pipe manufacturers recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.
- Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.
- All wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees prior to tap being made. Unless noted on plans.
- 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 limit the extent of trench openings overnight and weekends to less than 50 feet.
- Wichita Fire Department inspections may be scheduled by calling Dawnita Reinhardt at 316-650-0740.
- All 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".

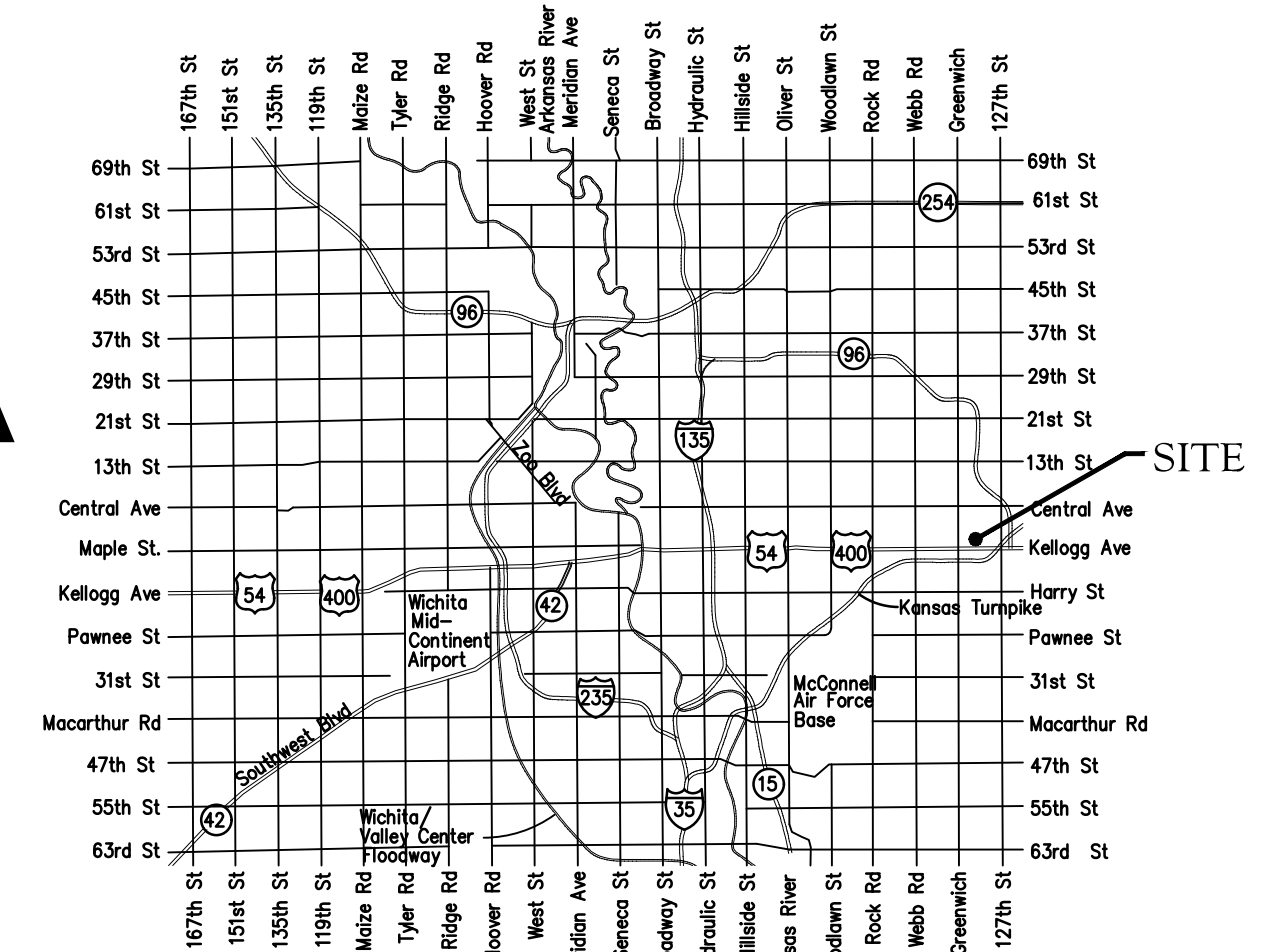
WATER DISTRIBUTION SYSTEM to serve SUBARU OF WICHITA

11610 E. KELLOGG
CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
2022-019667 PPW
54030980

Pro-trace Wire
Star Megalug & bends
Sip bolt Pack
Sanderson Pipe
American DICL

from center line of
ELLSON and LEWIS
268.0' East & 20' North
to main
from center line of
ELLSON and LEWIS
268.0' East & 181.2' N
to valve
from center line of
ELLSON and LEWIS
268.0' East & 55.50'
South to riser



Vicinity Map

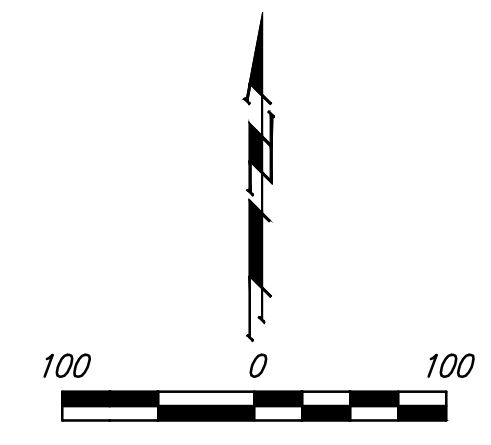
Benchmarks

BM #1: Chiseled "X" set on Back of Curb on the north side of Westbound Kellogg Drive, 282.3' East of the east line of Lot 75, Linwood Acres. Elevation = 1360.65 (NAVD 88)

BM #2: Chiseled "X" set on Back of Curb on the north side of Westbound Kellogg Drive, 525' East of the east line of Lot 75, Linwood Acres. Elevation = 1361.99 (NAVD 88)

AS BUILTS

Contractor: Apex 11/08/2022	Project Inspector: Larry Gann KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242
--	--



Sheet Index

- | | |
|------------------------------|------|
| Title Sheet | 1 |
| Lines 1 & 2 | 2 |
| Erosion Control/Grading Plan | 3 |
| Std. Water Assembly Detail | 4 |
| Miscellaneous Water Details | 5 |
| Erosion Control BMP Details | 6-10 |
| Copy of Plat | 11 |

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

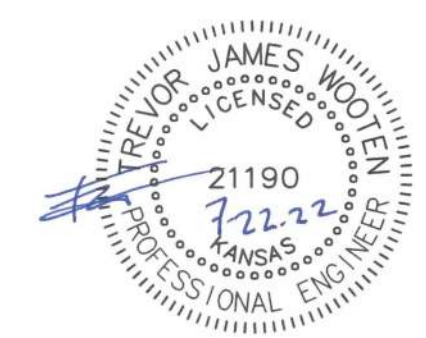
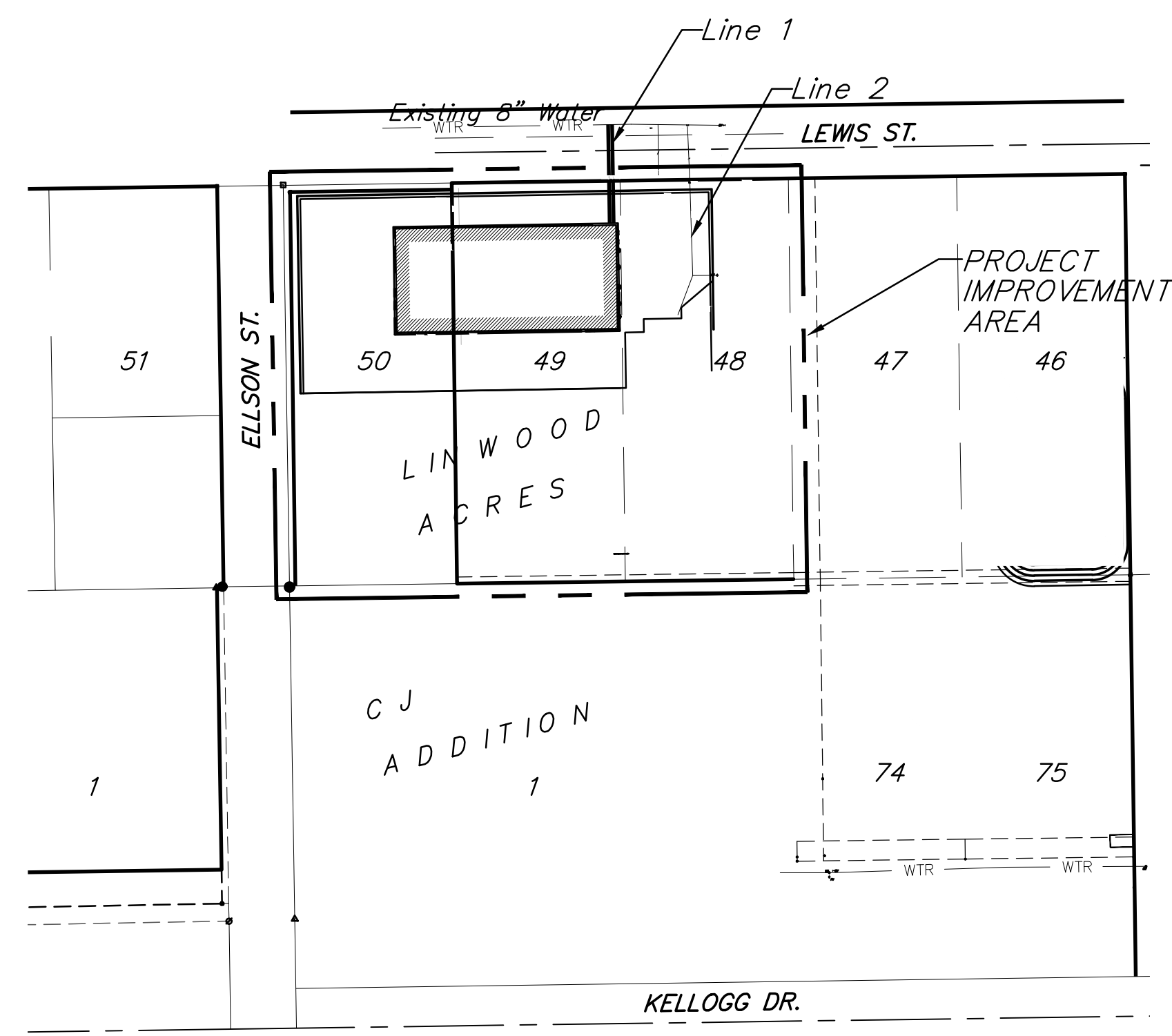
Engineering approved by Shawn Mellies on 07.22.22
Utilities approved by Greg Lolley on 07.22.22
Fire Dept. approved by Jose Ocadiz on 07.22.22

NOTE TO CONTRACTORS

Public Property:
Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way 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 City of Wichita Specifications and Standards and Special Provisions (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

An approved copy of these plans signed by City staff are required on-site.



July 22, 2022

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

E:\Projects\Subaru of Wichita (and Lincoln) site plans - 21-07-ES99\Engineering\Phase 1\PPW\PPW.dwg

AS BUILTS



BENCHMARKS:
 BM #1: Chiseled "X" set on Back of Curb on the north side of Westbound Kellogg Drive, 282.3' East of the east line of Lot 75, Linwood Acres. Elevation = 1360.65 (NAVD 88)

BM #2: Chiseled "X" set on Back of Curb on the north side of Westbound Kellogg Drive, 525' East of the east line of Lot 75, Linwood Acres. Elevation = 1361.99 (NAVD 88)

Restore gravel roadway to match existing conditions after construction.

Sta. 0+00.00, Begin Line 1
 1 - 8"x6" Tapping Saddle
 1 - 6" Tapping Valve & Valve Box
 Tapping saddle, tapping valve & valve box to be furnished and installed by the City of Wichita Water Dept. Contractor to set valve box to grade. Contractor to reimburse City of Wichita for water tap. Valve Box Elev. = 1367.50
 N=1,684,352.15 E=1,687,857.72

from center line of ELLSON and LEWIS 268.0' East & 20' North to main
 from center line of ELLSON and LEWIS 268.0' East & 181/2' N to valve

75.50 L.F. 6" Pipe

BAXTER PLACE ADDITION

***Riser Note:**
 DICL riser pipe, CIMJ Bend, & DICL horizontal section exiting building foundation wall are to be mega-lugged together and riser is to be extended 12" above Building FFE. Riser location is approximate, building GC is required to locate Riser location per the foundation requirements. Contractor to install blind flange with 2" tap for testing. Remove flange & tap upon acceptance.

City maintenance of water mains ends at right-of-way.

Contractor to verify depth and location of existing utilities. Contractor to relocate any existing utilities as necessary for construction.

Tee and valve on main leads to FH Line 2

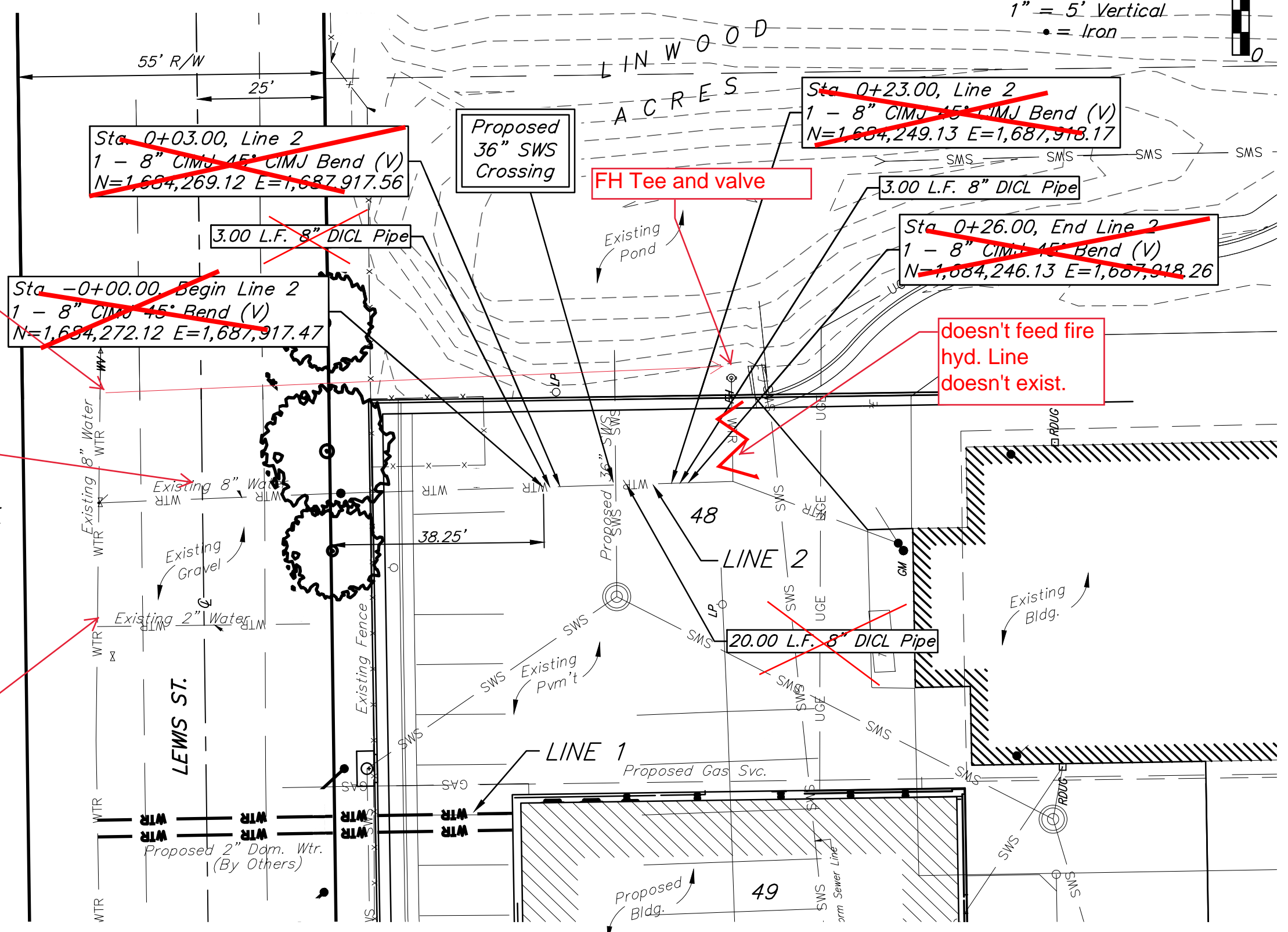
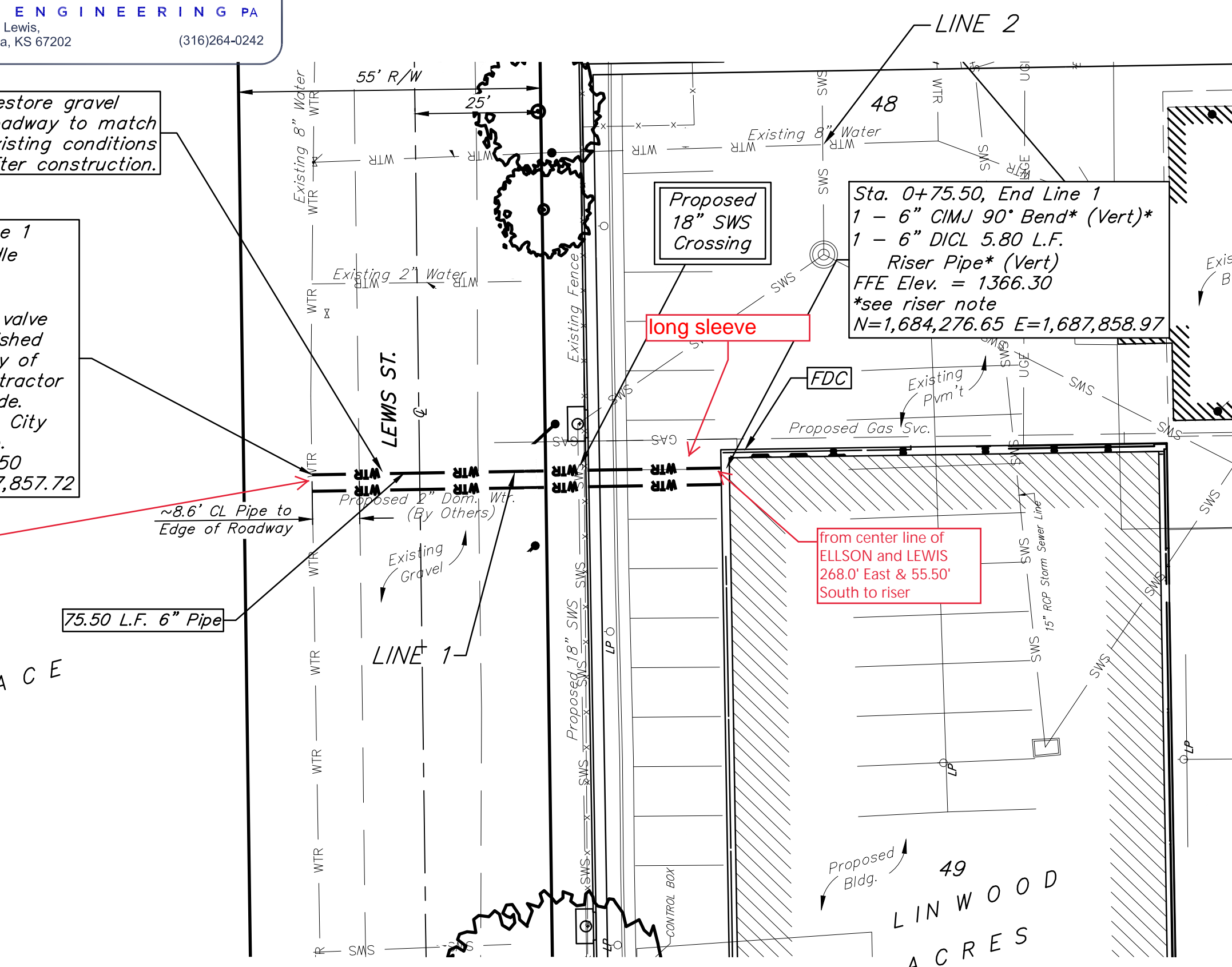
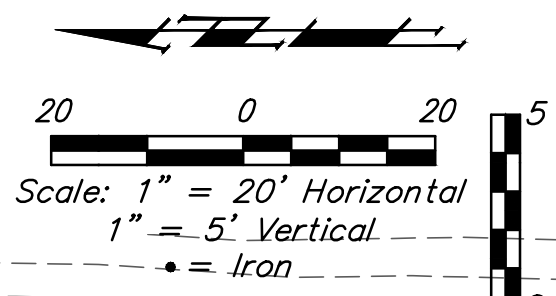
Actually 2" domestic

2" domestic is actually E. see above note.

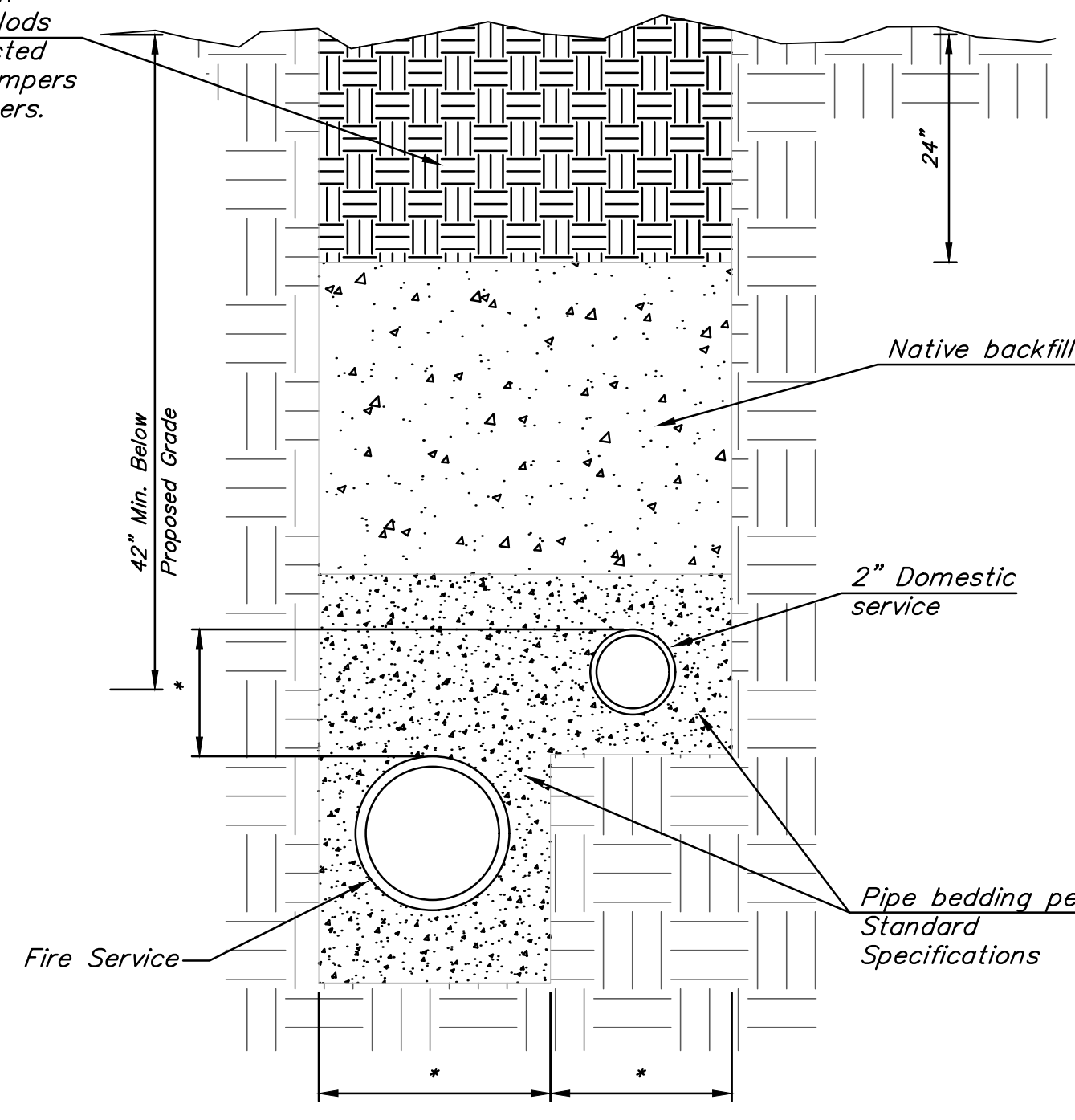
When fire service and domestic water line installed in same trench, trench shall be compacted per detail, this sheet.

6" Layers of earth free from large clods & stones compacted by mechanical tampers or vibrating tampers.

from center line of ELLSON and LEWIS 355.0' East to center of LEWIS
 from center of Lewis to fire hyd. is 96' South
 from tap valve to center of Lewis is 15' South
 from tap valve to fire hyd. is 111' South
 from fire hyd. to valve on fire hyd. assy. is 4' East
 from fire hyd. to tee is 5' East



1385		1385
1380	Sta. 0+00.00, Begin Line 1 1 - 8"x6" Tapping Saddle 1 - 6" Tapping Valve & Valve Box Tapping saddle, tapping valve & valve box to be furnished and installed by the City of Wichita Water Dept. Contractor to set valve box to grade. Contractor to reimburse City of Wichita for water tap. Valve Box Elev. = 1367.50 CL Lewis St.	1380
1375	Sta. 0+38.50, Line 1-PV	1375
1370	Sta. 0+55.50, Line 1-PV	1370
1365	Sta. 0+75.50, End Line 1 1 - 6" CIMJ 90° Bend* (Vert)* 1 - 6" DICL 5.80 L.F. Riser Pipe* (Vert) FFE Elev. = 1366.30 *see riser note	1365
1360	Existing Grade	1360
1355	Proposed Grade (By Site Contractor)	1355
1350	LINE 1	1350
	0+00.00 0+38.50 0+55.50 0+75.50	



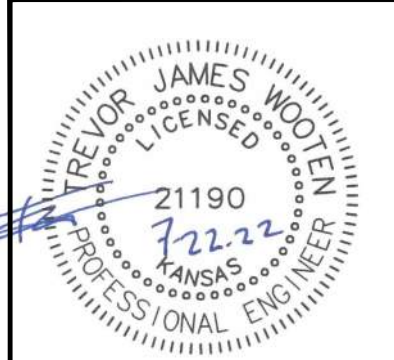
COMBINED TRENCH SECTION & COMPACTION

*TRENCH SIZE AND STAIR STEP SHALL BE BASED ON THRUST BLOCK REQUIREMENTS AGAINST VIRGIN SOIL OR CONTRACTOR MAY OPT TO USE RESTRAINED JOINT PIPE MATERIAL.

water line was 2" domestic and were able to lower without cutting line.

1385		1385
1380	Sta. 0+00.00, Begin Line 2 1 - 8" CIMJ 45° Bend (V)	1380
1375	Sta. 0+03.00, Line 2-PV	1375
1370	Sta. 0+23.00, Line 2-PV	1370
1365	Sta. 0+26.00, End Line 2-PV 1 - 8" CIMJ 45° Bend (V)	1365
1360	Existing 8" Water	1360
1355	Proposed Grade = Existing Grade	1355
1350	LINE 2	1350
	0+00.00 0+03.00 0+23.00 0+26.00	

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



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

SUBARU OF WICHITA

LINES 1 & 2

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER: 21-07-E959

DESIGN: DRAWN: TMS

DATE: July 22, 2022

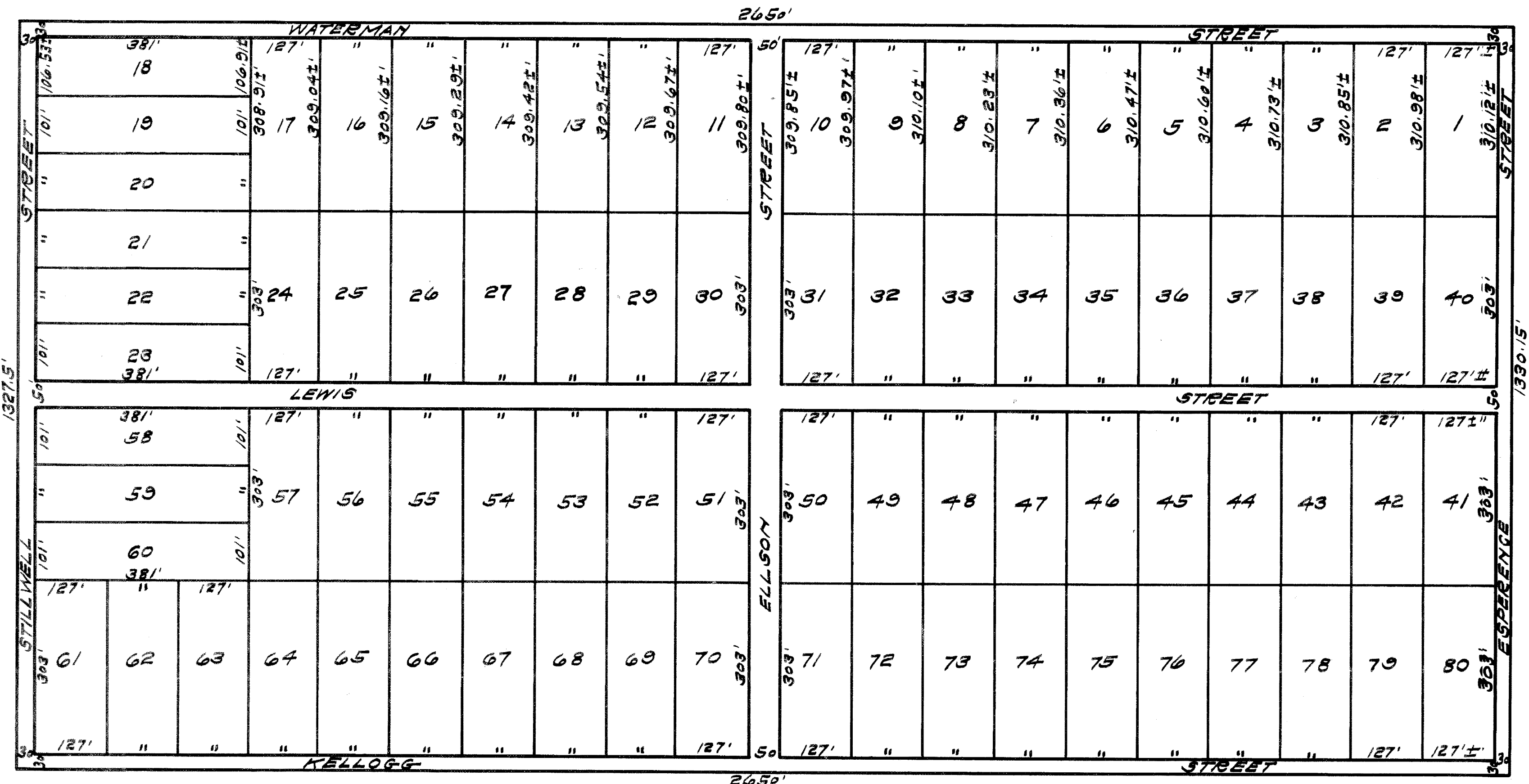
SHEET OF 2 11

File: E:\Projects\Subaru of Wichita (and Lincoln) Site Plans - 21-07-E959\Engineering\Phase 1\PPWP\PPWP.dwg

L-6-4

LINWOOD ACRES

SEDGWICK COUNTY KANSAS



FOR REFERENCE ONLY
NOT TO SCALE

State of Kansas } ss. I, Ransom H. Brown, County Surveyor
 County of Sedgwick } in and for said county and state, do hereby certify that I
 have surveyed and platted Linwood Acres, Sedgwick County
 Kansas, and that the accompanying plat is a true and correct
 exhibit of the property as surveyed, described as follows:
 The south one-half of the southwest quarter of Section 22,
 Township 27 South, Range 2 East of the 6th P.M.

Ransom H. Brown County Surveyor.

Know all men by these presents that I, John Elison, a
 widower, have caused the land described in the Surveyor's
 certificate, to be platted into lots and streets, to be known
 as LINWOOD ACRES, SEDGWICK COUNTY, KANSAS. An easement
 is hereby granted for the construction and maintenance of
 all public utilities on the rear 5 feet of lots 1 to 17 inclusive;
 lots 24 to 57 inclusive; and lots 64 to 80 inclusive. Also on
 the rear 10 feet of lots 18 to 23 inclusive; and lots 58 to 63
 inclusive. The streets are hereby dedicated to and for the
 use of the public.

John Elison

Oct 7 Entered on Transfer Record this 7 day of 1929.

O. A. Bell County Clerk.

Approved by the Board of County Commissioners this 7 day of Oct 1929.

O. A. Bell County Clerk.

State of Kansas } ss. Be it remembered that on this 2nd
 County of Sedgwick } day of Oct 1929, before me, a Notary Public in and for
 said county and state, came John Elison, a widower, to me
 personally known to be the same person who executed the
 foregoing instrument of writing and duly acknowledged the
 execution of the same to be his voluntary act and deed.

Allan H. Lusk Notary Public.

My commission expires Dec 12 1932

Oct 7 Approved by County Plat Board this 7 day of 1929.

O. A. Bell County Clerk.

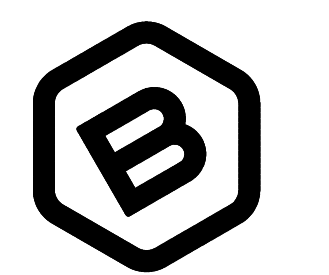
R. C. Jackson County Treasurer.

Ransom H. Brown County Surveyor.

State of Kansas } ss. This is to certify that this instru-
 County of Sedgwick } ment was filed for record in my office this 7th day of
 Oct 1929, at 11 o'clock P.M., and is duly recorded.

Lester E. Neal Register of Deeds.

L-6-4
G. METZ



BAUGHMAN COMPANY

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

SUBARU OF WICHITA

COPY OF PLAT

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER: 21-07-E959

DESIGN: DRAWN:

DATE: June 3, 2022

SHEET 11 OF 11

File: E:\Projects\Subaru Of Wichita (and Lincoln) Site Plans - 21-07-E959\Engineering\Phase 1\PPWP\PPWP.dwg