

# 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

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 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 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 inspecting 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 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](mailto: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 Contractors responsibility.
- All elevations shown are City Datum
- 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.
- All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.
- City maintenance of water mains ends at right-of-way or easement line or within two feet of vault.
- 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 preformed 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.
- Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required with the water Dispatch at 316-291-8921.
- 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 contractors 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 316-268-4441.

# WATER DISTRIBUTION SYSTEM

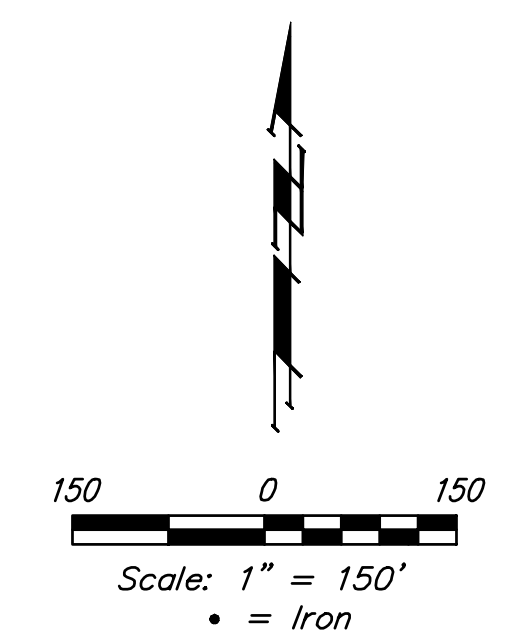
to serve

## ANGEL FIRE 2ND ADDITION

### CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer  
 Project Number  
 2021-010754PPW (183021)  
 OCA Number 54030980

**AS BUILT PLANS**  
 Contractor: Mies Construction Co.  
 Inspector: Larry Powell,  
 Baughman Company  
 As Builts by: LDP



Fire Hydrants & All Valves = CLOW  
 8" RJ PVC Pipe = NAPCO.  
 8" PVC Pipe = Sanderson Pipe.  
 8" DICL Pipe = McWane Ductile.  
 6" DICL Pipe = McWane Ductile.

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

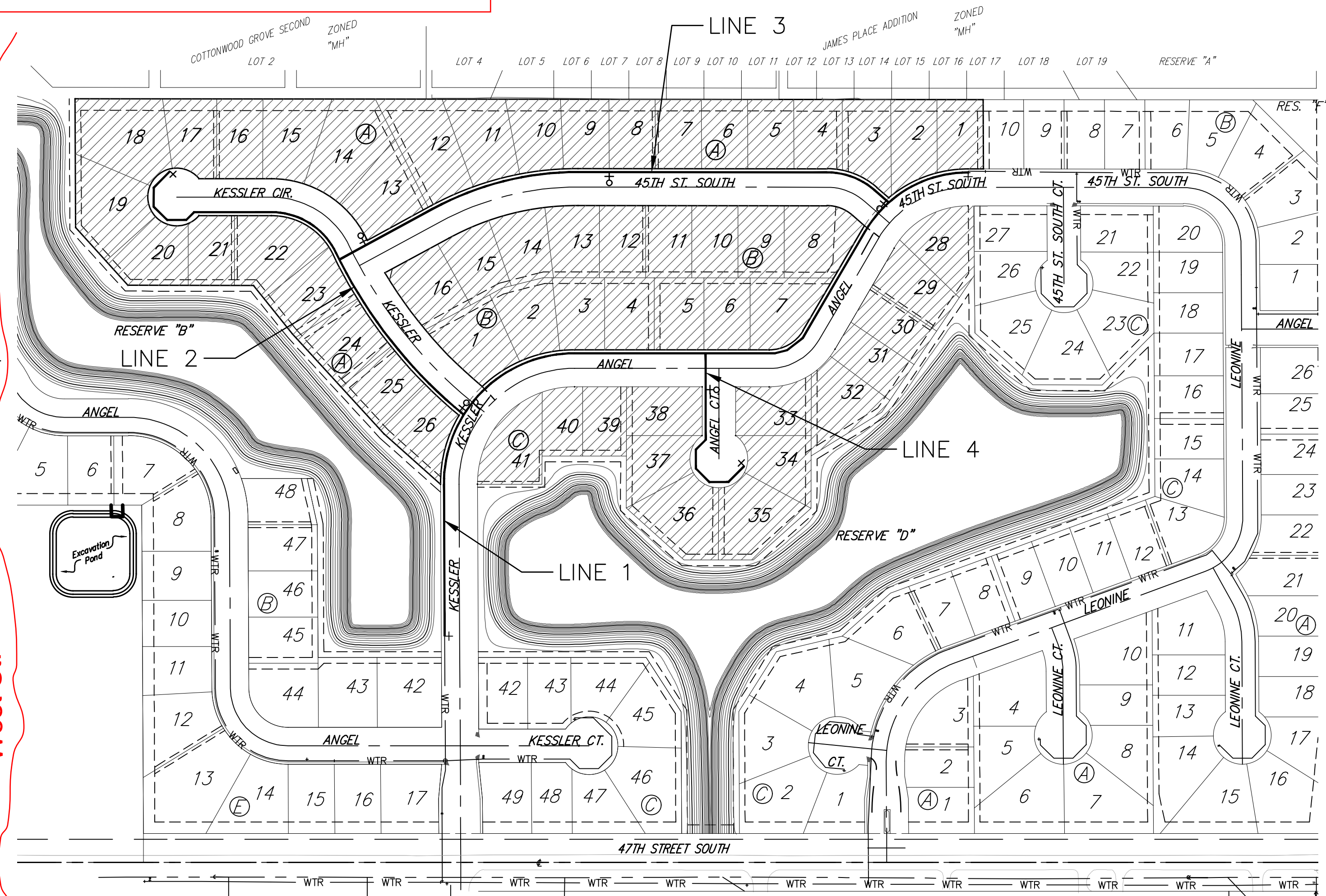
Engineering Shawn Mellies 7/12/21  
 Utilities Greg Lolley 7/12/21  
 Fire Dept. \_\_\_\_\_

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 or Wichita Specifications and Standards and Special Provision (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.



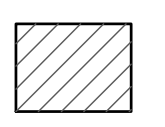
### BENCHMARKS

CITY OF WICHITA BENCHMARK DISC - SE COR. OF INTERSECTION OF 47TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88

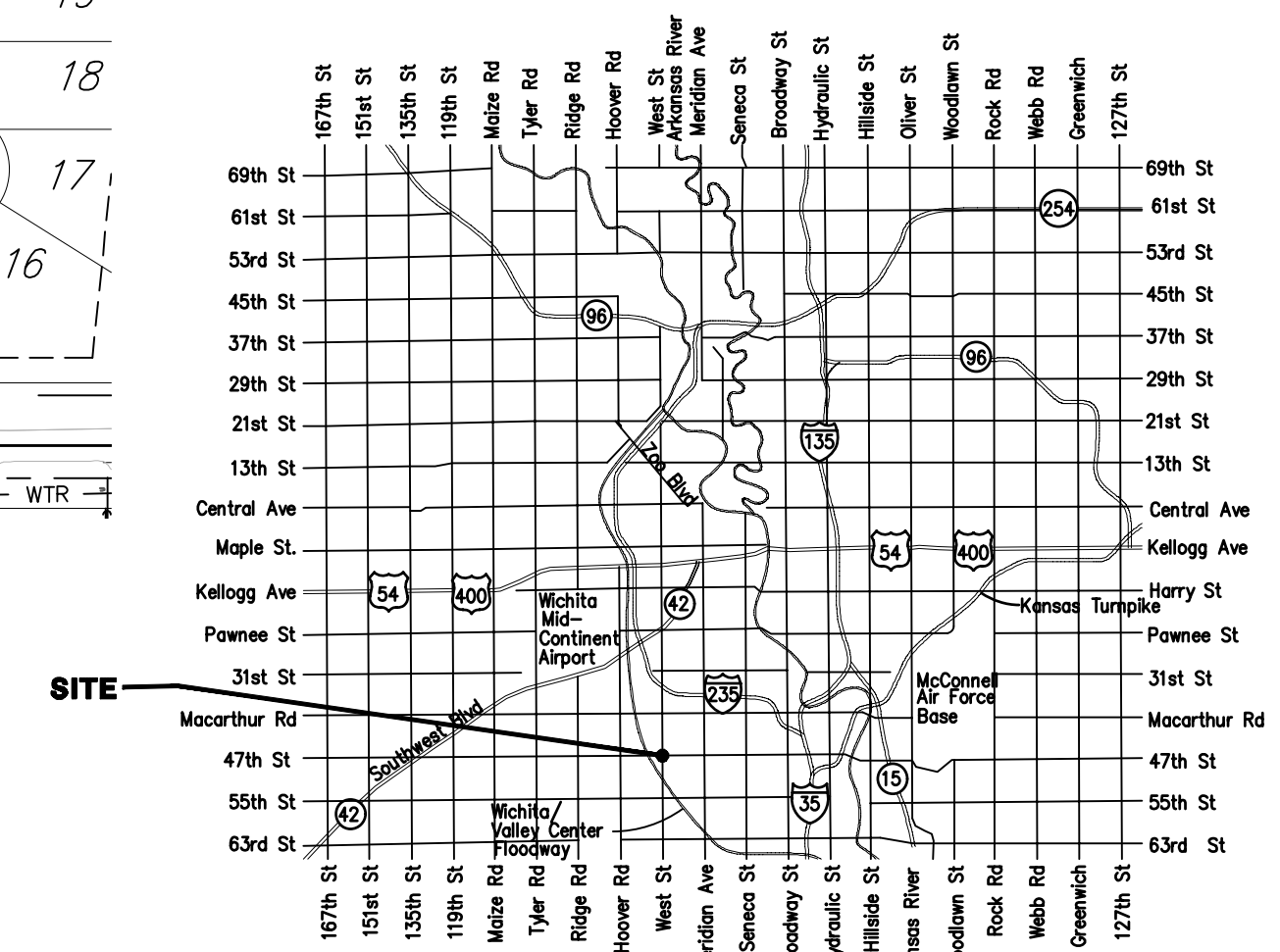
### SHEET INDEX

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Erosion Control Plan	9
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### BENEFIT DISTRICT



Construction Began:  
 July 2021  
 Construction Ended:  
 September 2021



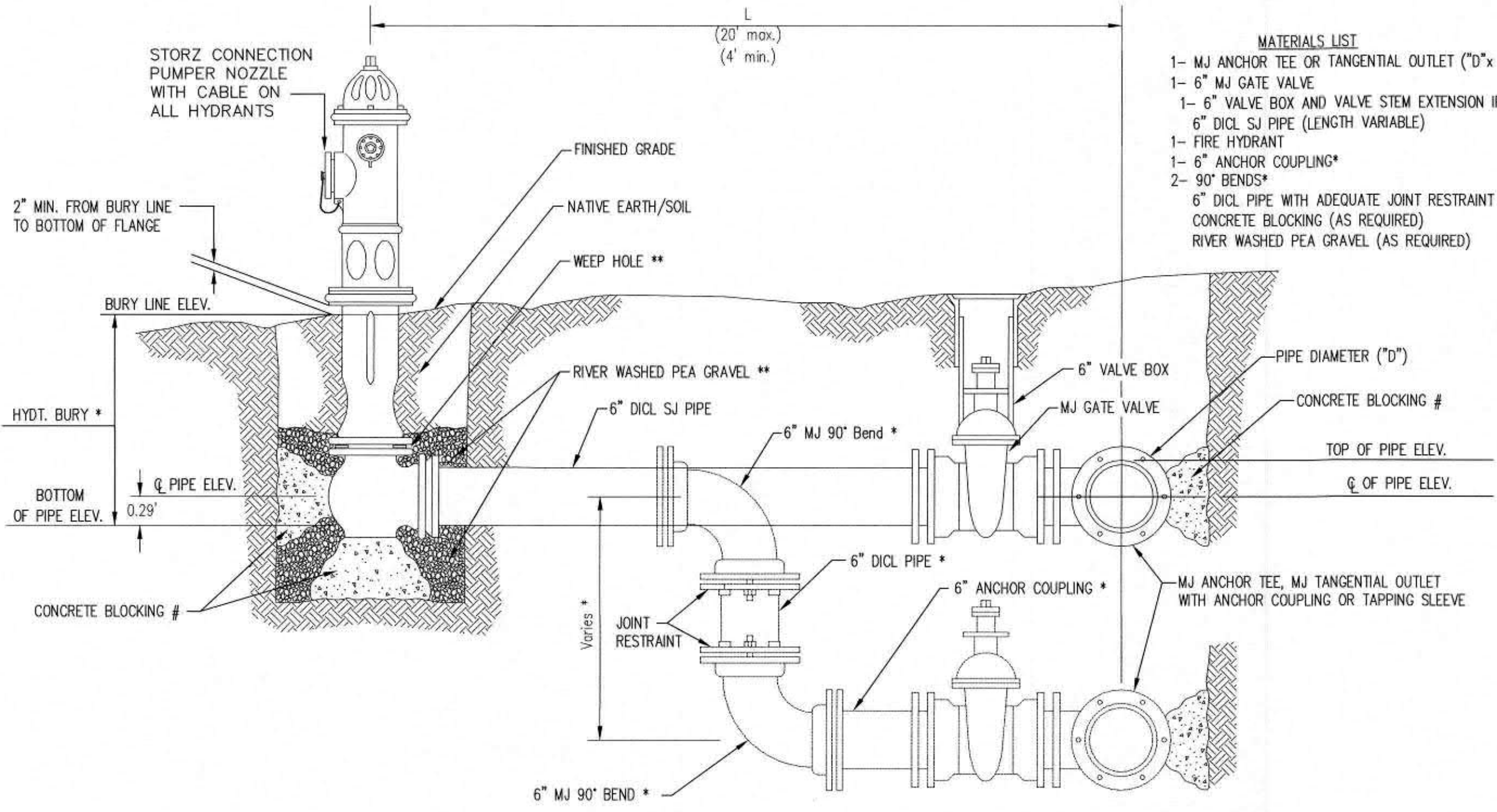
### VICINITY MAP



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

July 6, 2021

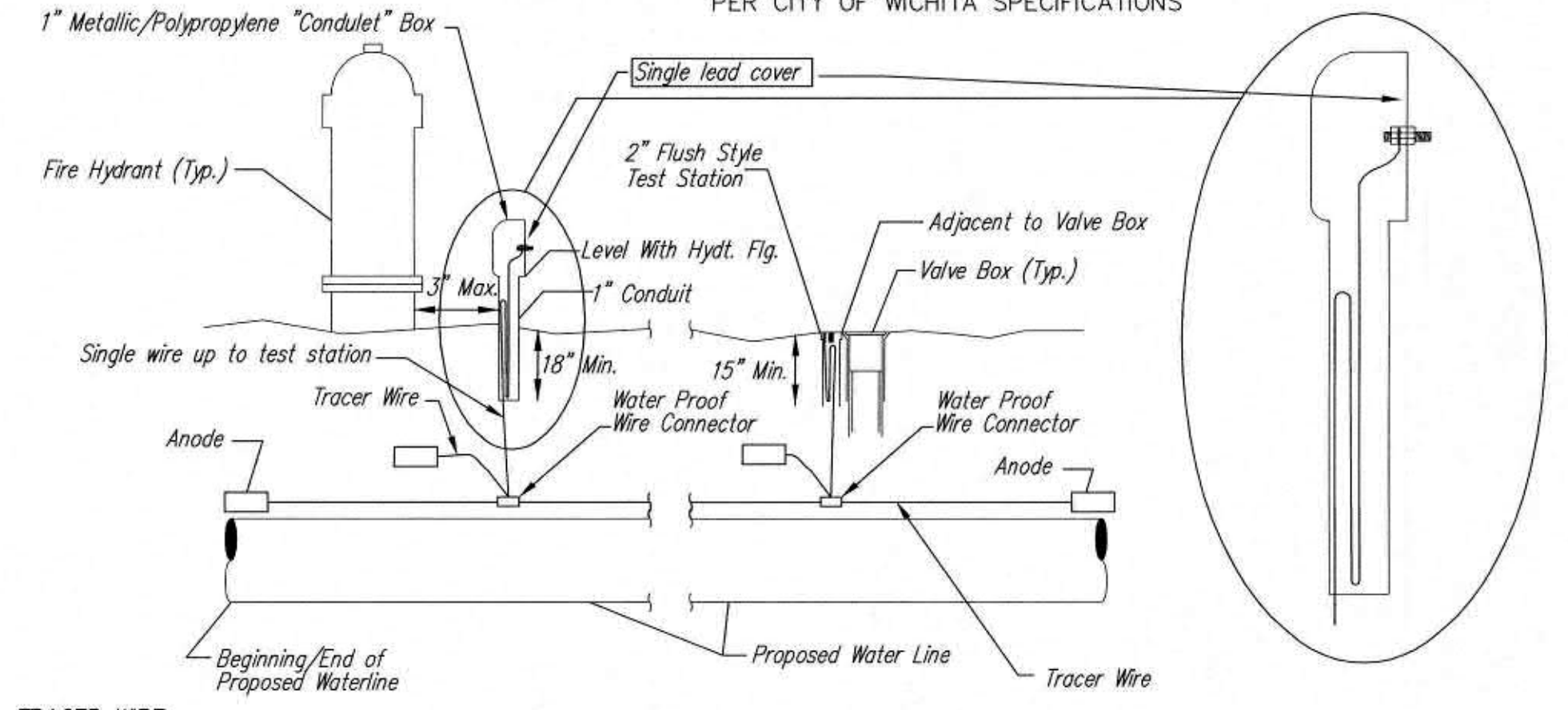
Baughman Job #: 21-02-E851



- MATERIALS LIST**
- 1- MJ ANCHOR TEE OR TANGENTIAL OUTLET ("D"x 6")
  - 1- 6" MJ GATE VALVE
  - 1- 6" VALVE BOX AND VALVE STEM EXTENSION IF REQUIRED \*
  - 6" DICL SJ PIPE (LENGTH VARIABLE)
  - 1- FIRE HYDRANT
  - 1- 6" ANCHOR COUPLING\*
  - 2- 90° BENDS\*
  - 6" DICL PIPE WITH ADEQUATE JOINT RESTRAINT \*
  - CONCRETE BLOCKING (AS REQUIRED)
  - RIVER WASHED PEA GRAVEL (AS REQUIRED)

- \* IF THE REQUIRED HYDRANT BURY IS IN EXCESS OF 5', BUT LESS THAN 7', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY. IF THE REQUIRED HYDRANT BURY IS GREATER THAN 7', CONTRACTOR SHALL USE 5' HYDRANT BURY, 2-MJ 90° BENDS, 6" ANCHOR COUPLING AND 6" DICL PIPE AS NECESSARY FOR VERTICAL ADJUSTMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING AT HYDRANT AND MEAGLUGS, OR SIMILAR RESTRAINT BETWEEN 90° BENDS TO SECURE ALL FITTINGS DURING TESTING AND OPERATION. THE CONTRACTOR SHALL PROVIDE A VALVE STEM EXTENSION PER DETAIL THIS SHEET.
- \*\* CAUTION: WEEP HOLES TO BE KEPT CLEAR DURING CONSTRUCTION AND BACKFILL. CONCRETE FOR THRUST BLOCKING SHALL NOT OBSTRUCT WEEP HOLES. PLACE 1 CUBIC FOOT OF RIVER WASHED PEA GRAVEL AROUND EACH WEEP HOLE.
- # CONCRETE THRUST BLOCKING SHALL BE KEPT CLEAR OF BOLTS, NUTS, AND MJ ACCESSORIES.

**FIRE HYDRANT ASSEMBLY**  
PER CITY OF WICHITA SPECIFICATIONS



**TRACER WIRE**  
Conductive type pipe locator/tracer wire shall be install to locate all waterline pipe regardless of pipe material. The wire shall extend the entire length of the proposed pipe. The wire shall be taped to the waterline and pulled with the pipe. A waterproof connector shall be used at splice locations. A complete list of approved tracer wire and waterproof connectors can be found on the City of Wichita's website at [www.wichita.gov](http://www.wichita.gov).

**WIRES**  
The tracer wire shall be Blue No. 12 AWG CCS with 45 mil HDPE insulation. To allow for grade adjustment, a minimum of 12" of excess wire shall be coiled at the bottom of the test station for all wires. Wire connectors shall be installed per manufacturer recommendations. Contractor shall attach wire being installed with proposed water main to any tracer wire installed with adjacent waterline projects.

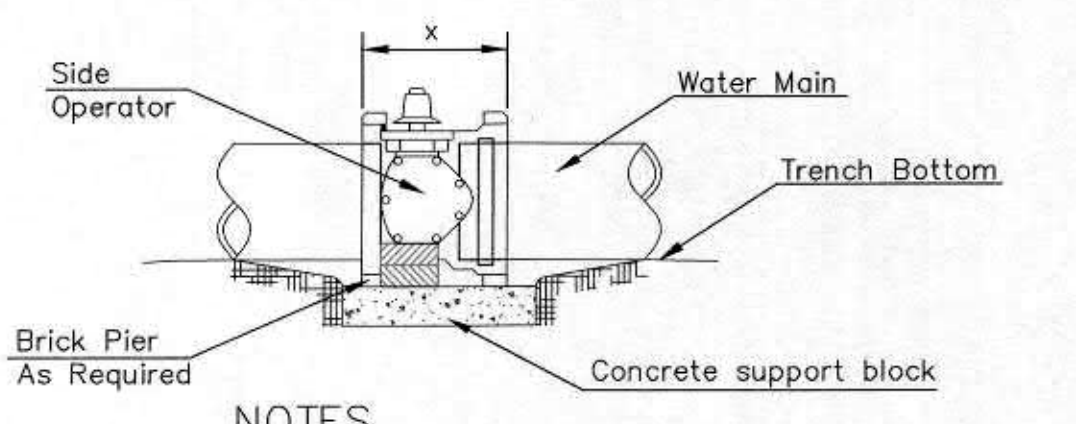
**TEST STATIONS**  
The test station for fire hydrant application shall be a 1" "conduit" style station as manufactured by AGRA Industries with a removable solid cover having a single lead extending from the face or approved equal. The "conduit" style test station shall be attached to a 1" rigid galvanized conduit with a minimum length of 36" and plastic end bushing. The flush style shall have the word "WATER" stamped or molded into the lid. The test station for valve applications shall be a 2" flush style test station with wire connector on lid. Model # T2PH7B1LP Handley Industries or CD14\*TP SnakePit as manufactured by Copperhead Industries or approved equal. The flush style shall have the word "WATER" stamped or molded into the lid. All test stations shall be manufactured using molded blue tops or sufficiently coated with blue enamel paint. The tracer wire and the anode wire shall be install to allow 12" of wire within the test station. The location of all test stations shall be recorded, and shown in the as-built drawings. Flush style test stations shall not be installed in pavement or sidewalk unless approved by the Engineer. Contractor shall extend tracer wire & move flush mount test station to nearest location out of pavement or sidewalk.

**ANODES**  
The anodes shall be 3 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to 12 AWG CCS which shall be extended to the test station.

**TRACER WIRE DETAIL**  
COST IS SUBSIDIARY TO PIPE INSTALLATION

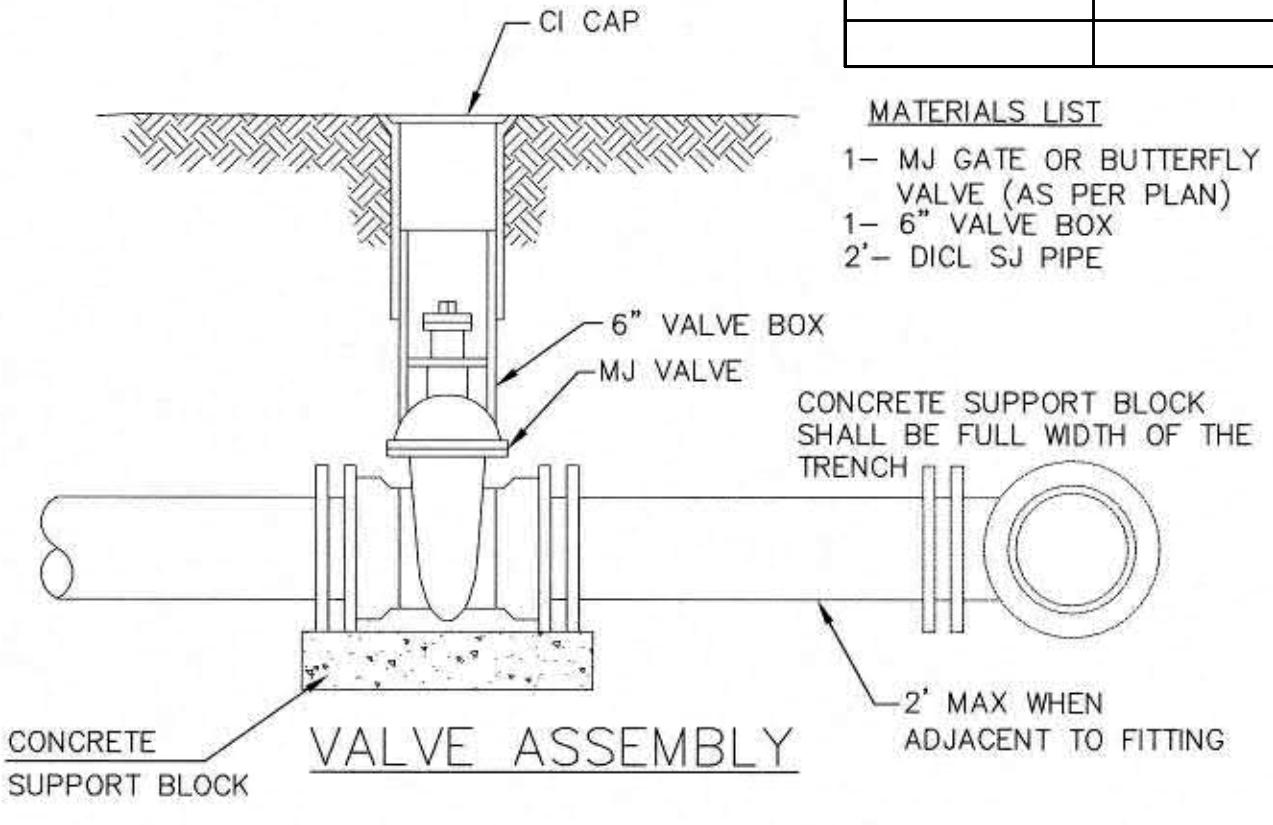
**FIRE HYDRANTS REQUIRED**

LINE	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
2	0+09.36	94.40	90.55	4.5	- No.
3	0+52.03	92.85	88.50	5.0	- No.
3	5+00.36	95.70	91.45	4.5	- No.
3	9+94.69	95.00	90.65	5.0	- No.
4	0+63.00	93.85	89.50	5.0	- No.

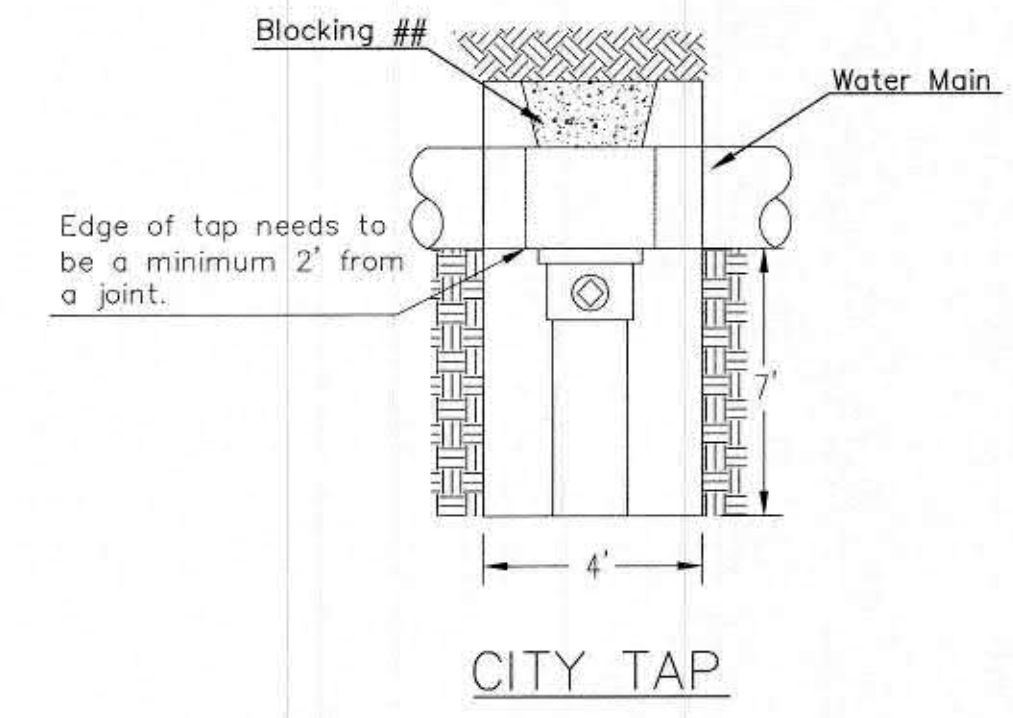


- NOTES**
- This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
  - 6" Valve Box and Cover required per City of Wichita Std. Specifications.
  - Conc. Support Block to be full width of trench.

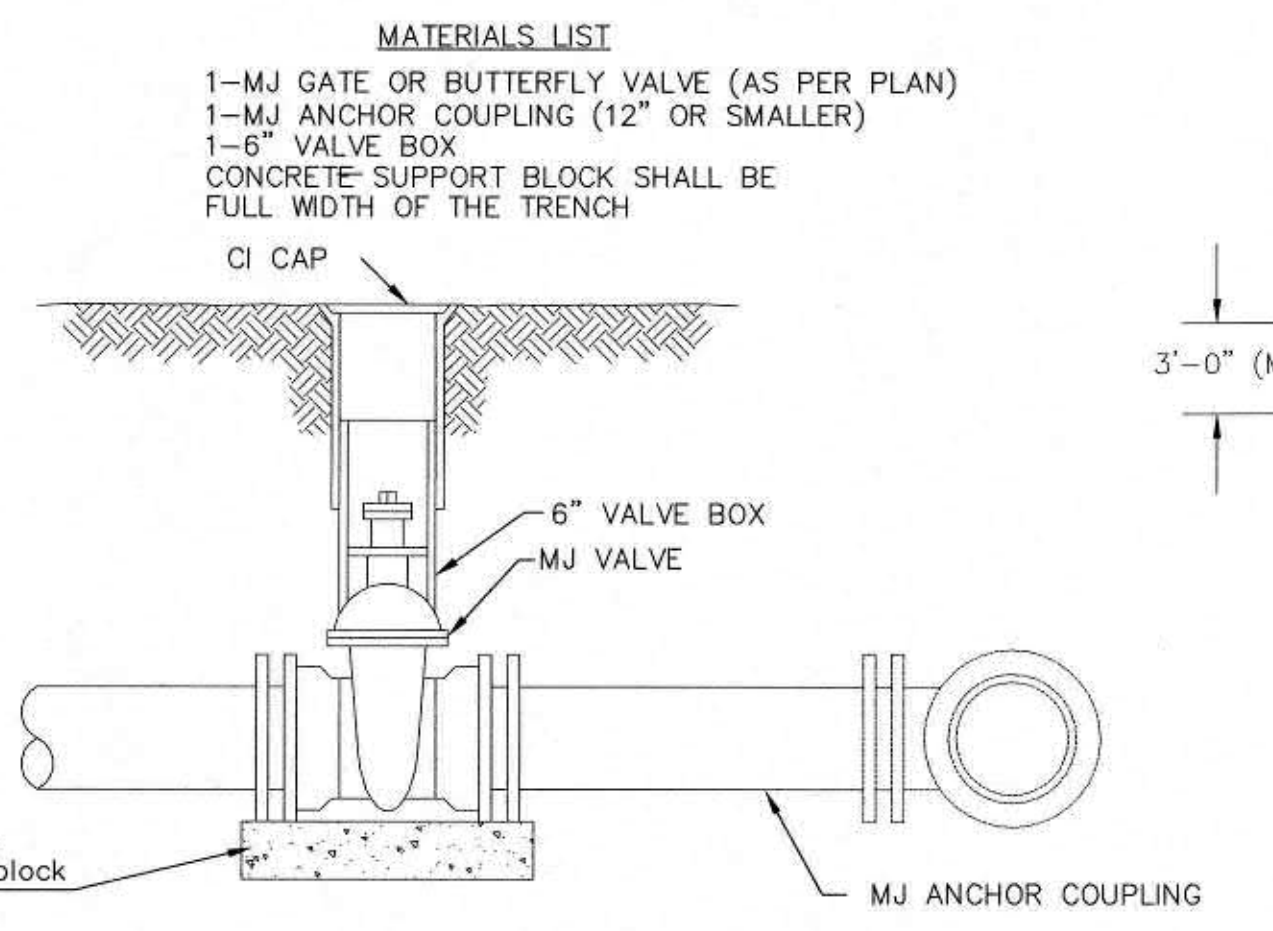
**CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION**



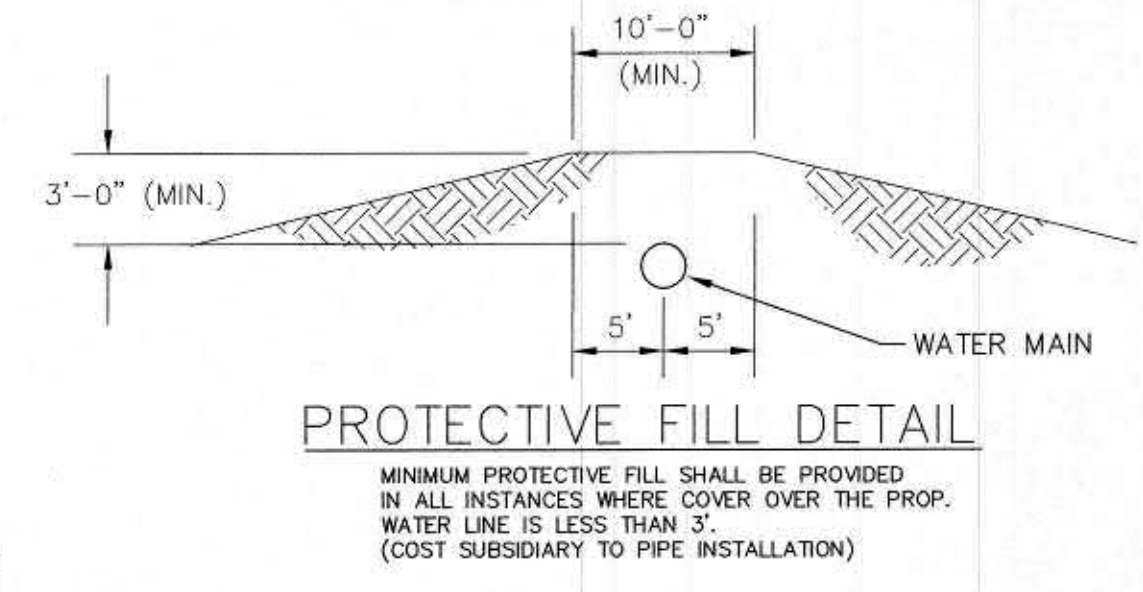
- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
  - 1- 6" VALVE BOX
  - 2"- DICL SJ PIPE



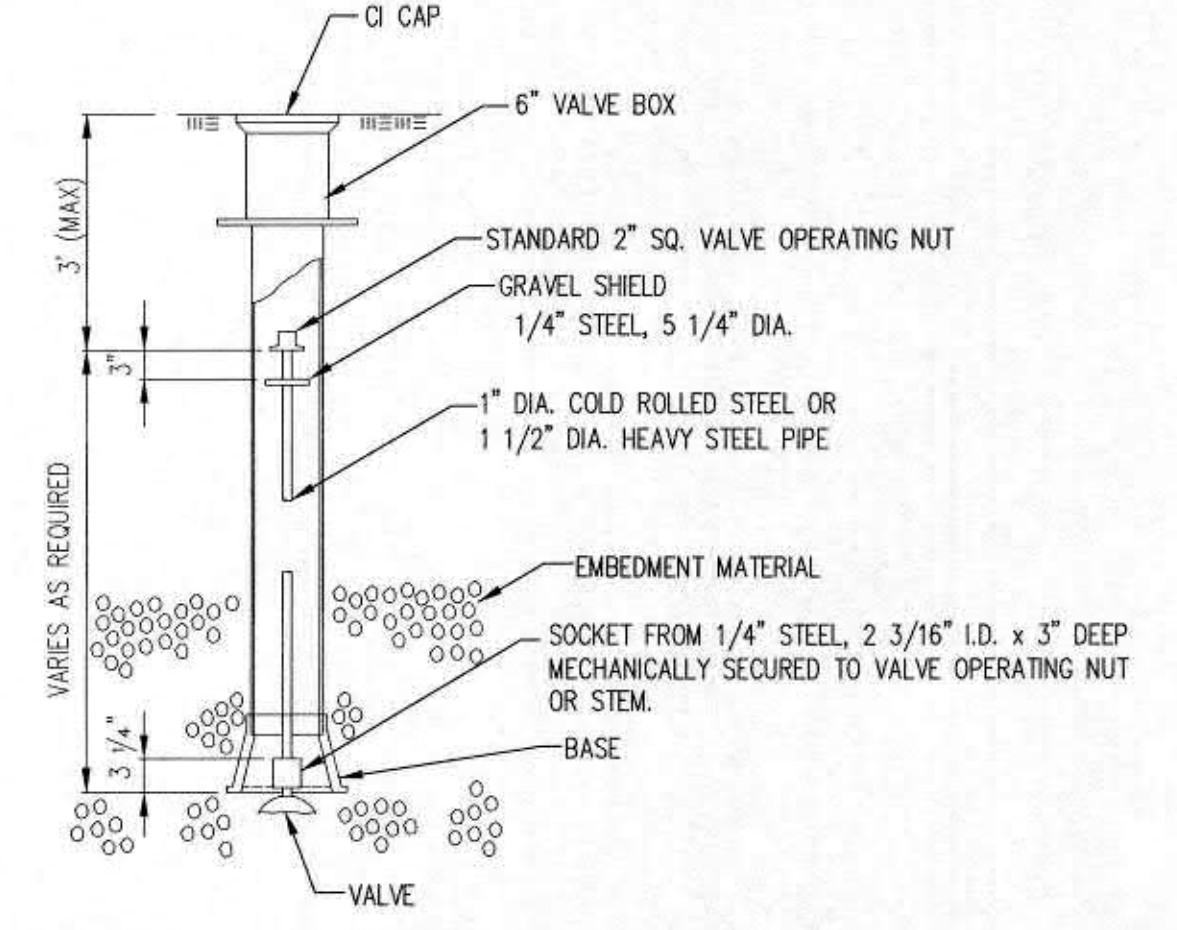
## When the City of Wichita makes tap, blocking is to be done by Contractor



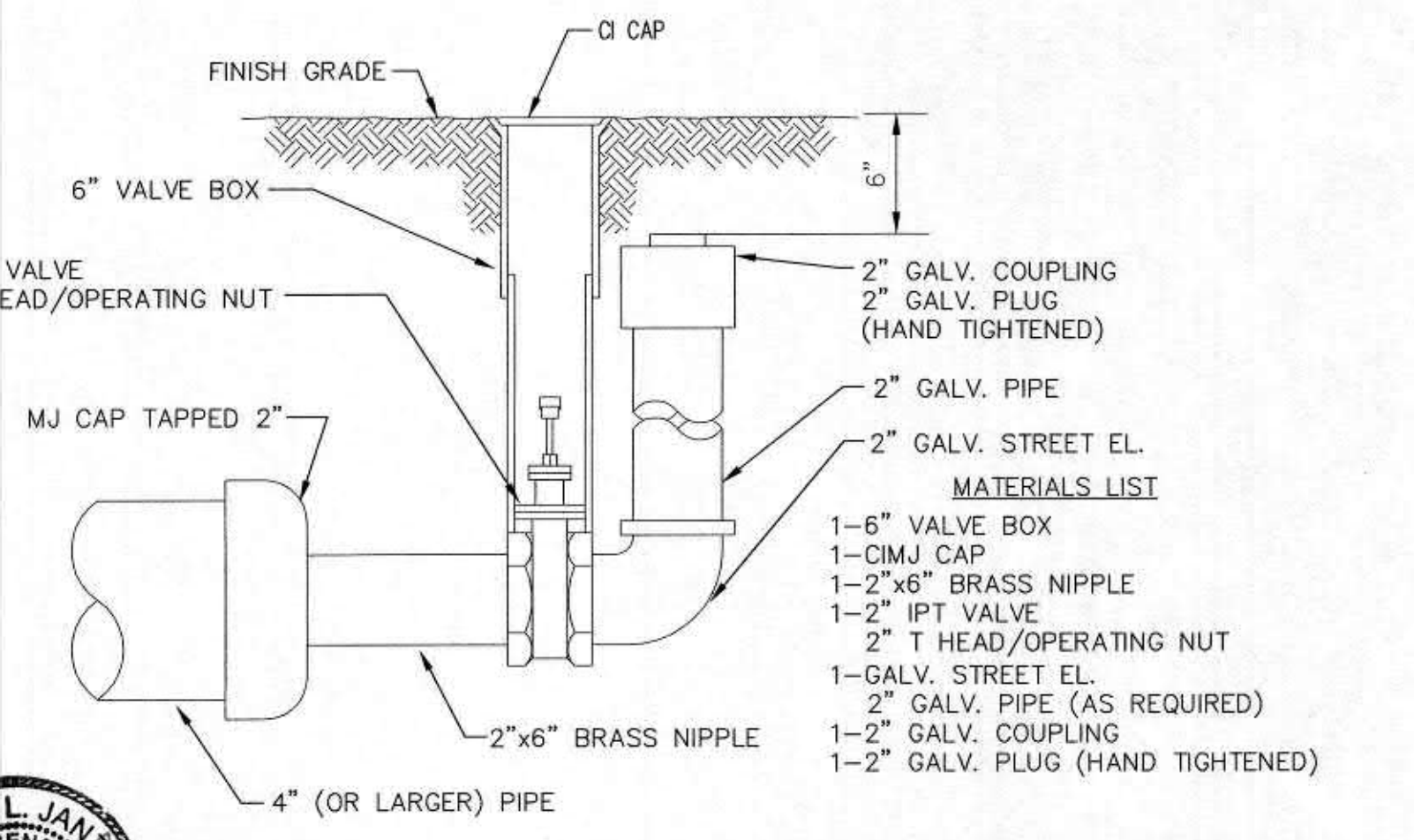
- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
  - 1- MJ ANCHOR COUPLING (12" OR SMALLER)
  - 1- 6" VALVE BOX
  - CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH



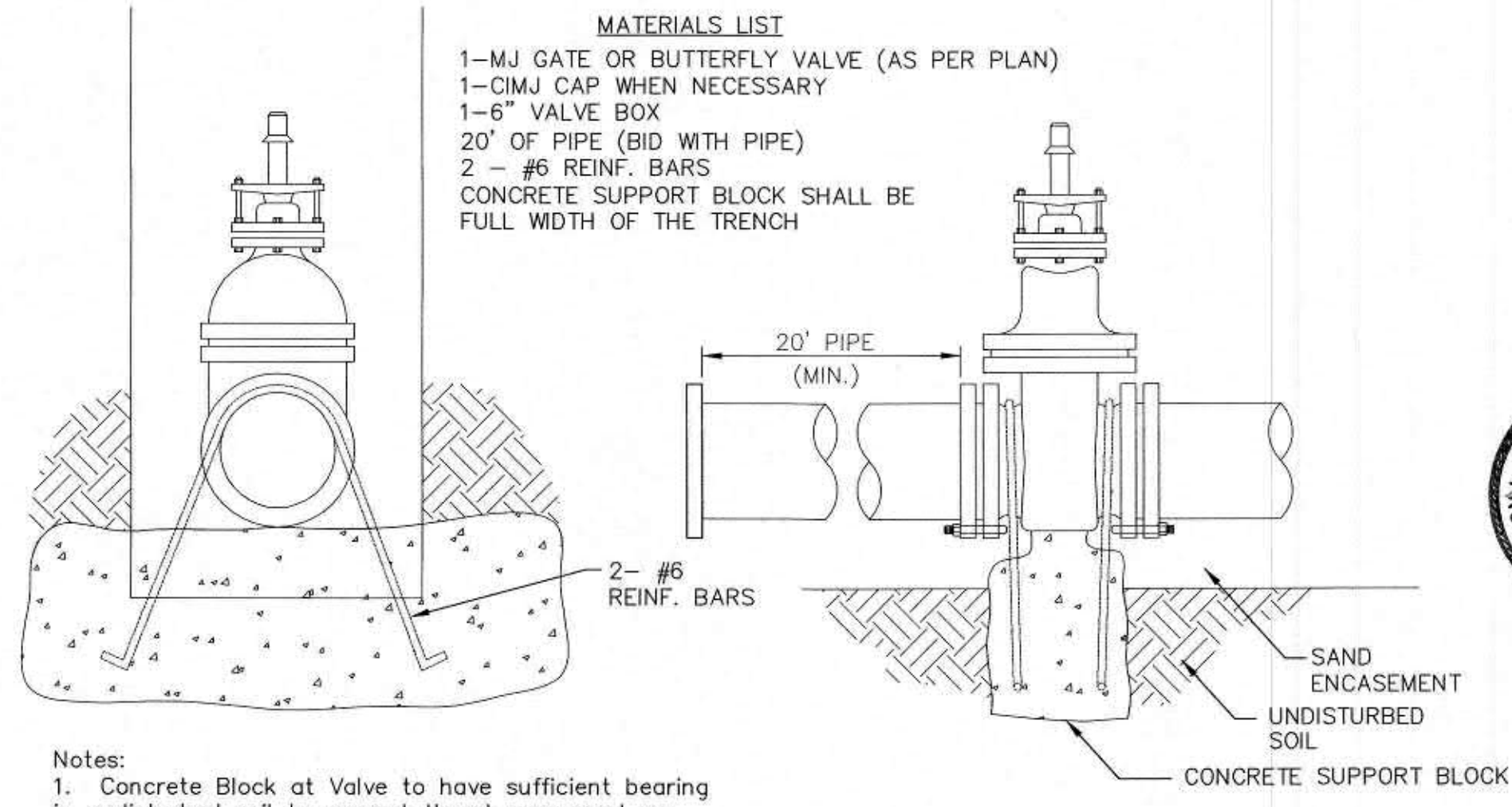
**PROTECTIVE FILL DETAIL**  
MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN 3'. (COST SUBSIDIARY TO PIPE INSTALLATION)



**VALVE STEM EXTENSION DETAIL**  
NOTE: ONE VALVE STEM EXTENSION FOR EACH VALVE BURIED GREATER THAN 5'



**2" BLOWOFF ASSEMBLY**

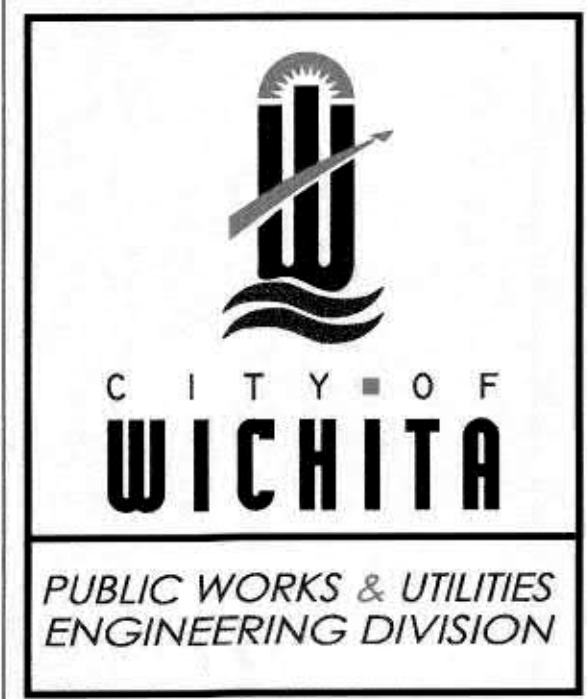


- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
  - 1- CIMJ CAP WHEN NECESSARY
  - 1- 6" VALVE BOX
  - 20' OF PIPE (BID WITH PIPE)
  - 2- #6 REINF. BARS
  - CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

- Notes:**
- Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.
  - The thrust block shall be constructed such that bolts, nuts, and other MJ accessories are kept clear of concrete.
  - All valves at dead ends and at other locations as called out on the plans shall be blocked as shown here.

**THRUST AT VALVES**

VALVE	THRUST AT 150 #/sq
4"	1809 lbs.
6"	4245 lbs.
8"	7540 lbs.
12"	16965 lbs.



**STANDARD WATER ASSEMBLY DETAIL**

CITY ENGINEER  
**GARY JANZEN, P.E.**

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

SHEET  
**2 of 17**

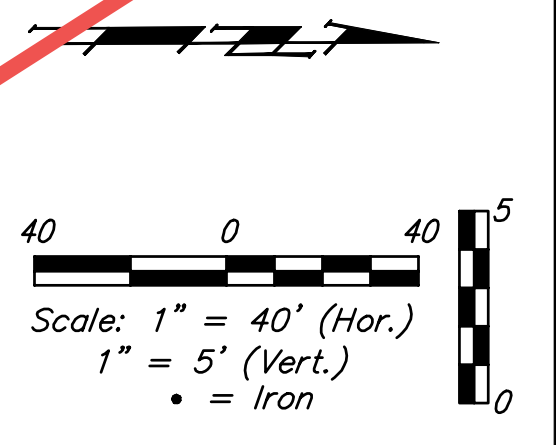
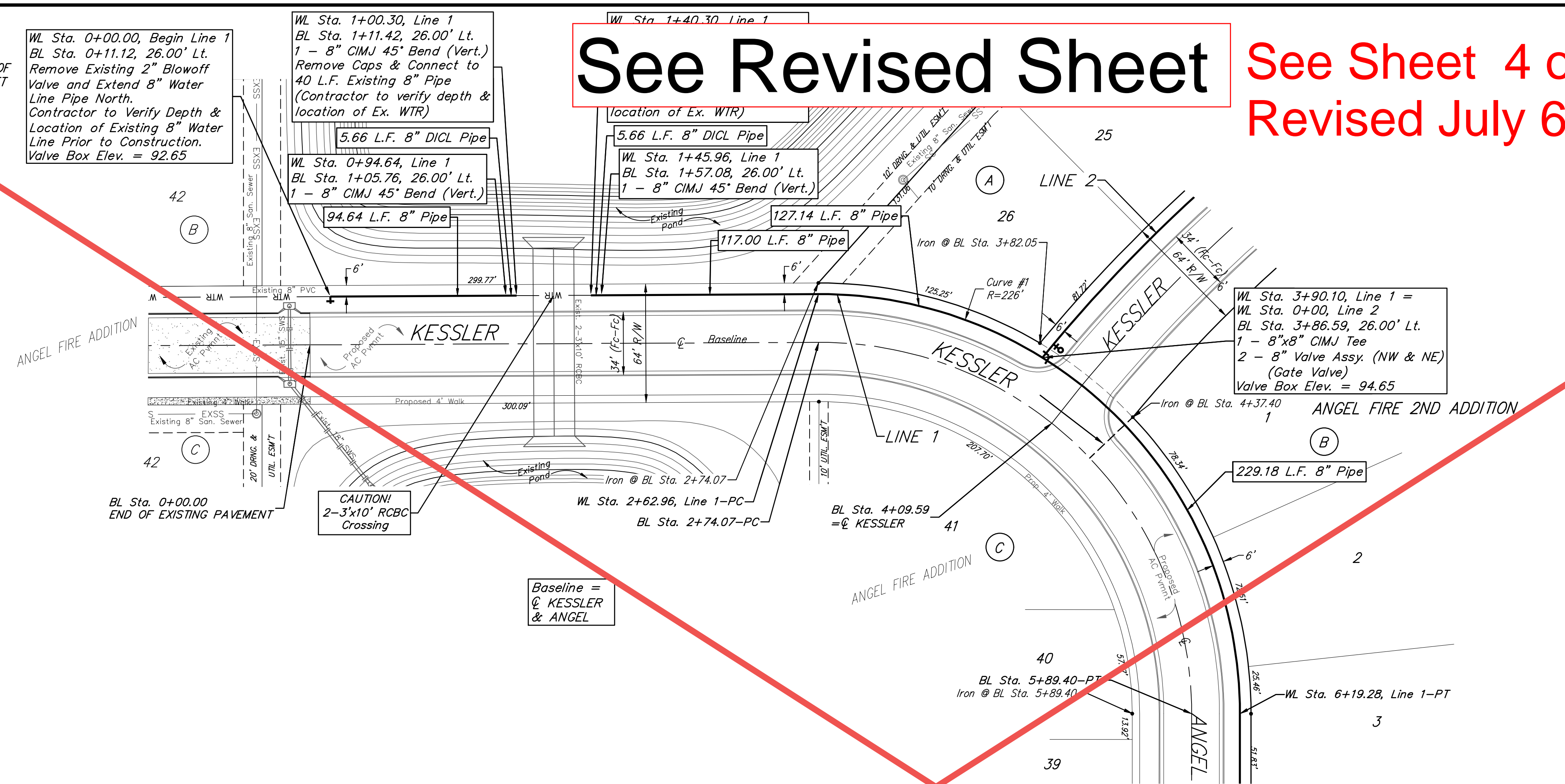
BENCHMARKS:  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF  
 INTERSECTION OF 7TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88

WL Sta. 0+00.00, Begin Line 1  
 BL Sta. 0+11.12, 26.00' Lt.  
 Remove Existing 2" Blowoff  
 Valve and Extend 8" Water  
 Line Pipe North.  
 Contractor to Verify Depth &  
 Location of Existing 8" Water  
 Line Prior to Construction.  
 Valve Box Elev. = 92.65

WL Sta. 1+00.30, Line 1  
 BL Sta. 1+11.42, 26.00' Lt.  
 1 - 8" CIMJ 45° Bend (Vert.)  
 Remove Existing 2" Blowoff  
 Valve and Connect to  
 40 L.F. Existing 8" Pipe  
 (Contractor to verify depth &  
 location of Ex. WTR)

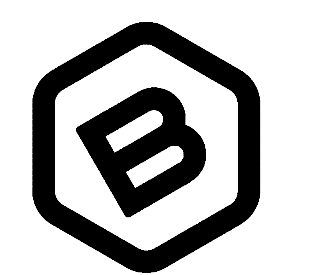
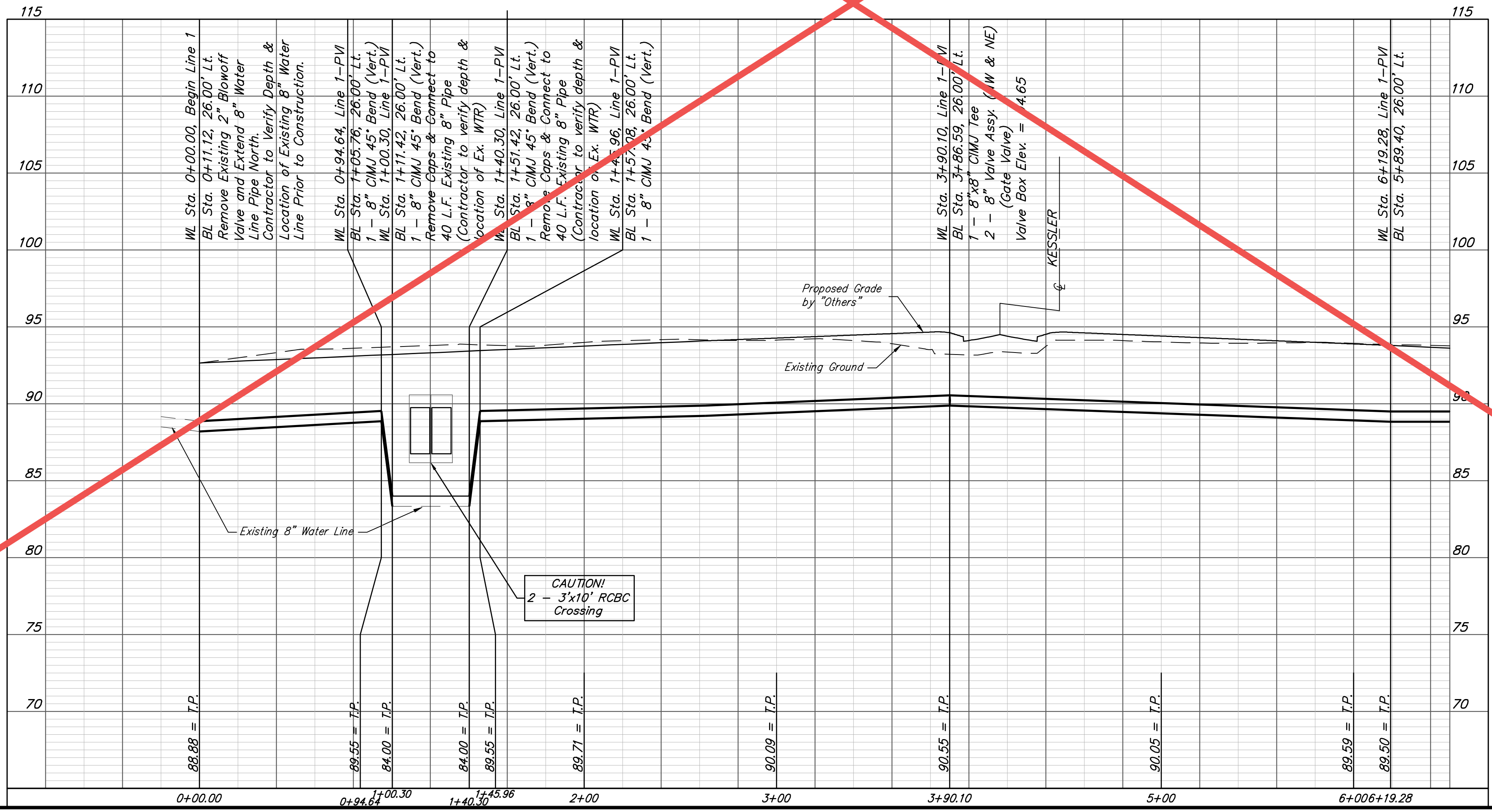
**See Revised Sheet**

**See Sheet 4 of 17.  
 Revised July 6, 2021.**



Curve #1  
 Curve Data Based on Waterline  
 Rad. = 226' Delta = 90°20'04" Tangent = 227.32'  
 Arc = 356.32' L.C. = 320.54' Def./Pt. = 7.60562 Min.

Station	Arc	Chord Lengths	Defl.	Total Defl.
2+62.96	-	-	0°00'00"	0°00'00"
2+75.00	12.04'	12.46'	1°31'34"	1°31'34"
3+00.00	25.00'	25.87'	3°10'09"	4°41'43"
3+25.00	25.00'	25.87'	3°10'08"	7°51'51"
3+50.00	25.00'	25.87'	3°10'09"	11°02'00"
3+75.00	25.00'	25.87'	3°10'08"	14°12'08"
4+00.00	25.00'	25.87'	3°10'08"	17°22'16"
4+25.00	25.00'	25.87'	3°10'09"	20°32'25"
4+50.00	25.00'	25.87'	3°10'08"	23°42'33"
4+75.00	25.00'	25.87'	3°10'09"	26°52'42"
5+00.00	25.00'	25.87'	3°10'08"	30°02'50"
5+25.00	25.00'	25.87'	3°10'09"	33°12'59"
5+50.00	25.00'	25.87'	3°10'08"	36°23'07"
5+75.00	25.00'	25.87'	3°10'08"	39°33'15"
6+00.00	25.00'	25.87'	3°10'09"	42°43'24"
6+19.28	19.28'	19.96'	2°26'38"	45°10'02"



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

ANGEL FIRE  
 2ND ADDITION

**LINE 1**

Water Distribution System  
 PROJECT NUMBER:  
 2021-010754PPW  
 DESIGN: AEG DRAWN: CDW  
 DATE: June 30, 2021  
 SHEET 4 OF 17

File: E:\Projects\Angel Fire 2nd Addition\_11-03-P197\Engineering\Phase 1\Wtr\_21-02-EB48\WTR PLANS 2.dwg

BENCHMARKS:  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF  
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 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
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WL Sta. 0+00.00, Begin Line 1  
 BL Sta. 0+11.12, 26.00' Lt.  
 Remove Existing 2" Blowoff  
 Valve and Extend 8" Water  
 Line Pipe North.  
 Contractor to Verify Depth &  
 Location of Existing 8" Water  
 Line Prior to Construction.  
 Valve Box Elev. = 92.65

WL Sta. 0+81.5, Line 1.  
 1 - 8" CIMJ 45 Deg. Bend (Vert.)  
 Bend = 269' N of the CL of Angel.  
 26' W of the CL of Kessler.

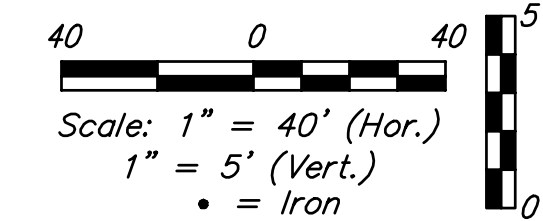
WL Sta. 0+88, Line 1.  
 1 - 8" CIMJ 45 Deg. Bend (Vert.)  
 Bend = 269' N of the CL of Angel.  
 26' W of the CL of Kessler.

WL Sta. 1+55.5, Line 1.  
 1 - 8" CIMJ 45 Deg. Bend (Vert.)  
 Bend = 276' N of the CL of Angel.  
 26' W of the CL of Kessler.

WL Sta. 1+48, Line 1.  
 1 - 8" CIMJ 45 Deg. Bend (Vert.)  
 Bend = 343' N of the CL of Angel.  
 26' W of the CL of Kessler.

LEGEND

TS = Test Station  
 CL = Centerline



CL Kessler

CL Angel

Tee is 26' N of the CL of Kessler (SW)  
 26' W of the CL of Kessler (NW)

NW Valve is 28' N of the CL of Kessler (SW)  
 26' W of the CL of Kessler (NW)

NE Valve is 26' N of the CL of Kessler (SW)  
 24' W of the CL of Kessler (NW)

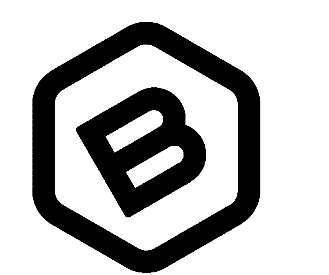
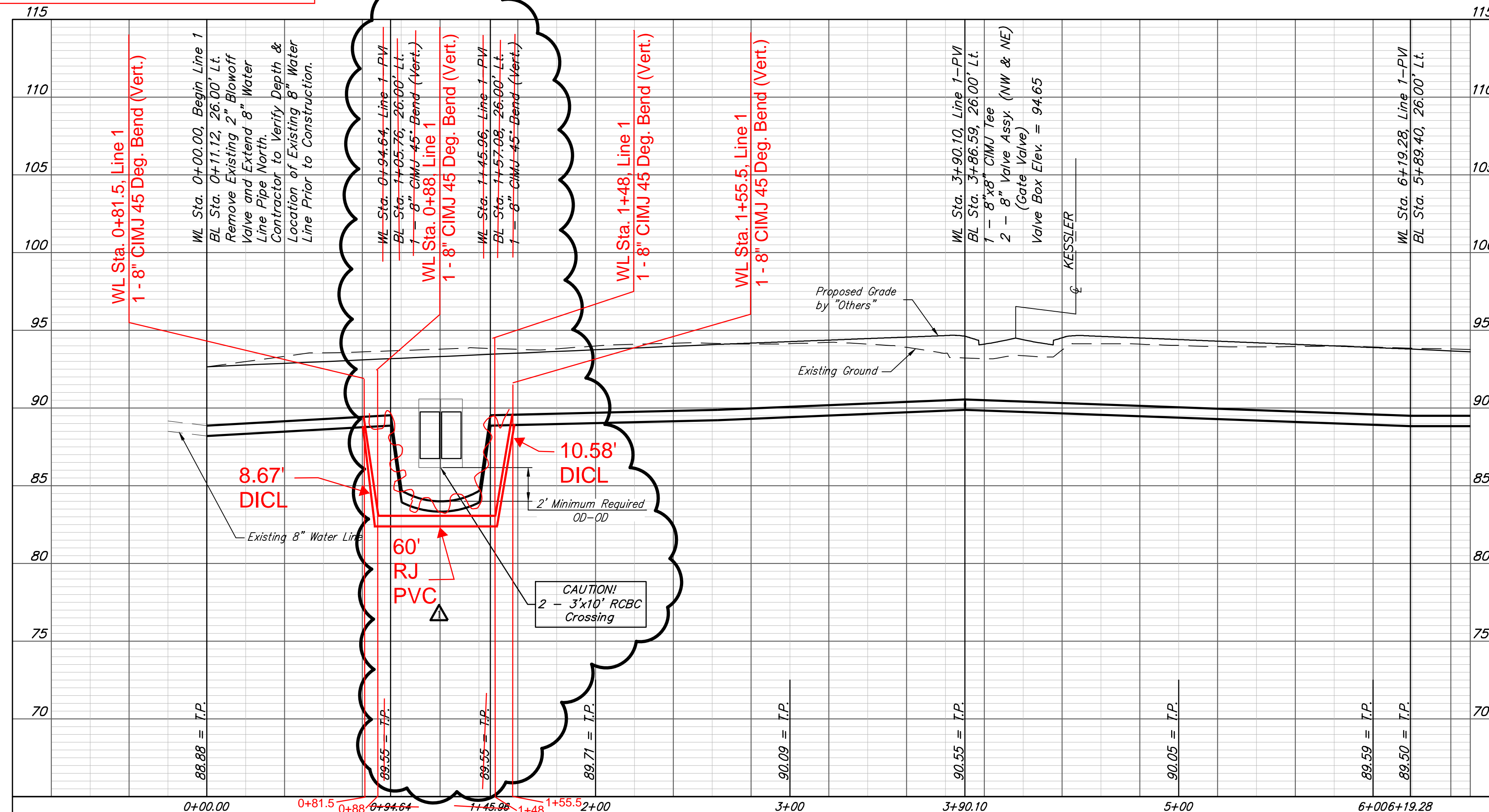
Curve #1  
 Curve Data Based on Waterline

Rad. = 226' Delta = 90°20'04" Tangent = 227.32'  
 Arc = 356.32' L.C. = 320.54' Def./Pt. = 7.60562 Min.

Station	Arc	Chord Lengths	Defl.	Total Defl.
2+62.96	-	-	0°00'00"	0°00'00"
2+75.00	12.04'	12.46'	1°31'34"	1°31'34"
3+00.00	25.00'	25.87'	3°10'09"	4°41'43"
3+25.00	25.00'	25.87'	3°10'08"	7°51'51"
3+50.00	25.00'	25.87'	3°10'09"	11°02'00"
3+75.00	25.00'	25.87'	3°10'08"	14°12'08"
4+00.00	25.00'	25.87'	3°10'08"	17°22'16"
4+25.00	25.00'	25.87'	3°10'09"	20°32'25"
4+50.00	25.00'	25.87'	3°10'08"	23°42'33"
4+75.00	25.00'	25.87'	3°10'09"	26°52'42"
5+00.00	25.00'	25.87'	3°10'08"	30°02'50"
5+25.00	25.00'	25.87'	3°10'09"	33°12'59"
5+50.00	25.00'	25.87'	3°10'08"	36°23'07"
5+75.00	25.00'	25.87'	3°10'08"	39°33'15"
6+00.00	25.00'	25.87'	3°10'09"	42°43'24"
6+19.28	19.28'	19.96'	2°26'38"	45°10'02"

WL Sta. 0+88 to WL Sta. 1+48  
 Note: WL Sta. 0+94.64 to WL Sta. 1+45.96  
 Install 51.32 L.F. 8" R/PVC by Directional Drilling.  
 Must Clear RCBC by a minimum of 2' vertically.

WL - 1 Installed on Plan Alignment.



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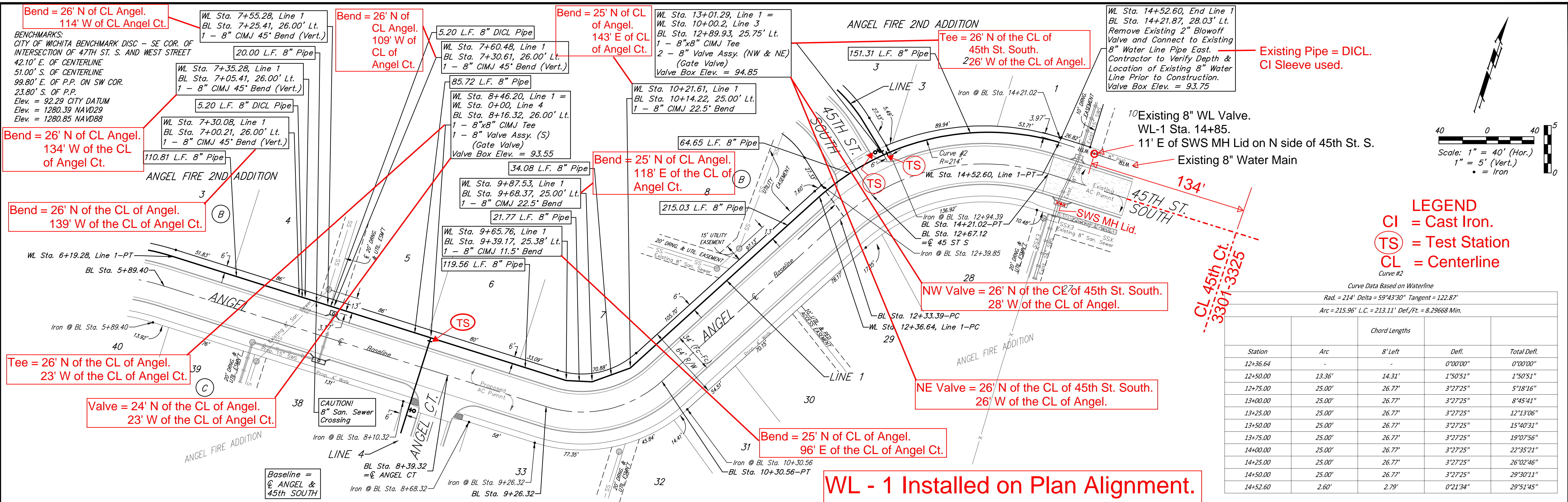
ANGEL FIRE  
 2ND ADDITION

LINE 1

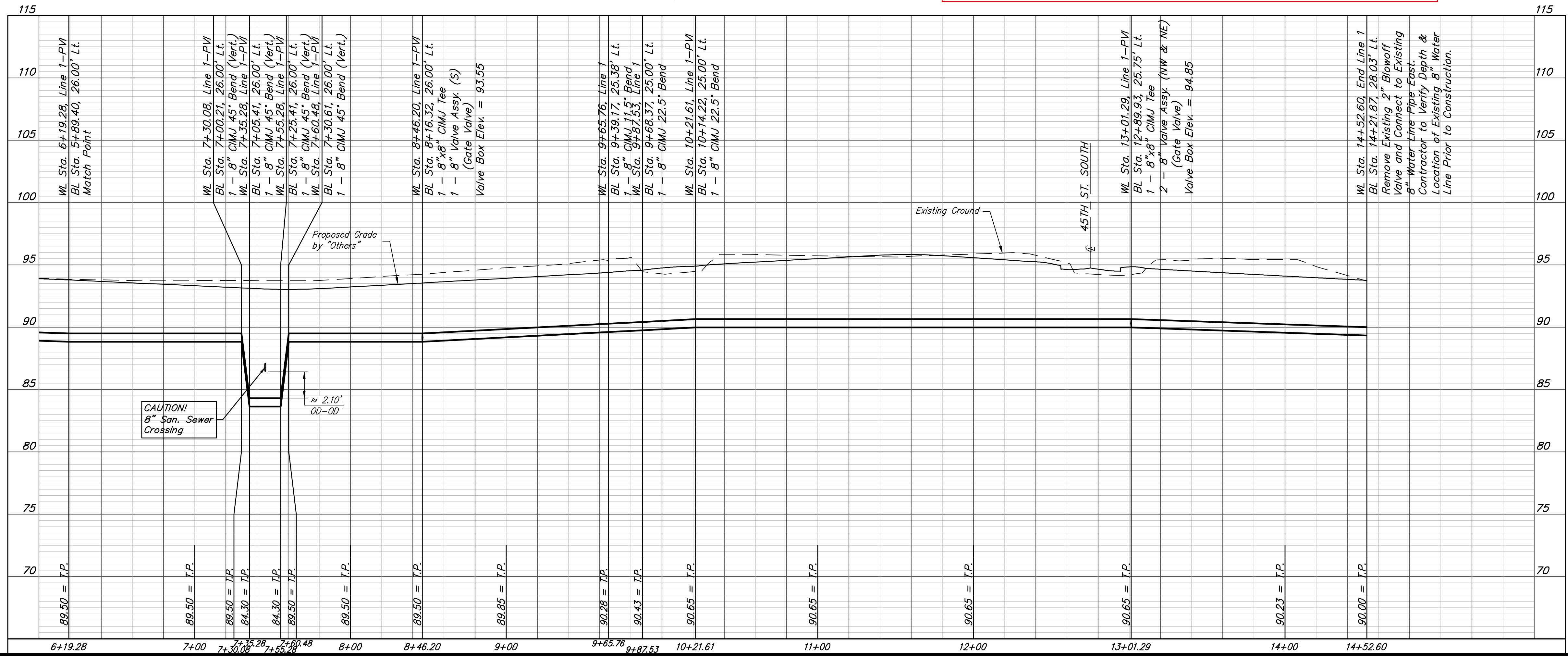
Water Distribution System  
 PROJECT NUMBER:  
 2021-010754PPW  
 DESIGN: AEG DRAWN: CDW  
 DATE: July 6, 2021  
 SHEET 4 OF 17

REVISIONS:  
 Directional Drilling under RCBC

File: E:\Projects\Angel Fire 2nd Addition\_11-03-P797\Engineering\Phase 1\Wtr\_21-02-EB48\WTR PLANS.dwg



Station	Arc	8' Left	Defl.	Total Defl.
12+36.64	-	-	0'00"00"	0'00"00"
12+50.00	13.36'	14.31"	1'50"51"	1'50"51"
12+75.00	25.00'	26.77"	3'27"25"	5'18"16"
13+00.00	25.00'	26.77"	3'27"25"	8'45"41"
13+25.00	25.00'	26.77"	3'27"25"	12'13"06"
13+50.00	25.00'	26.77"	3'27"25"	15'40"31"
13+75.00	25.00'	26.77"	3'27"25"	19'07"56"
14+00.00	25.00'	26.77"	3'27"25"	22'35"21"
14+25.00	25.00'	26.77"	3'27"25"	26'02"46"
14+50.00	25.00'	26.77"	3'27"25"	29'30"11"
14+52.60	2.60'	2.79"	0'21"34"	29'51"45"



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**ANGEL FIRE 2ND ADDITION**

**LINE 1**

Water Distribution System  
 PROJECT NUMBER:  
 2021-010754PPW  
 DESIGN: AEG DRAWN: CDW  
 DATE: July 6, 2021  
 SHEET 5 OF 17

File: E:\Projects\Angel Fire 2nd Addition\_11-03-P797\Engineering\Phase 1\Wtr\_21-02-EB48\WTR PLANS.dwg

**BENCHMARKS:**  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF INTERSECTION OF 47TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88

45 Bend (V) = 26' SW of the CL of Kessler (NW).  
 = 177' NW of the CL of Kessler (SW).

45 Bend (V) = 26' SW of the CL of Kessler (NW).  
 = 181' NW of the CL of Kessler (SW).

45 Bend (V) = 26' SW of the CL of Kessler (NW).  
 = 158' NW of the CL of Kessler (SW).

45 Bend (V) = 26' SW of the CL of Kessler (NW).  
 = 154' NW of the CL of Kessler (SW).

WL Sta. 0+09.36, Line 2  
 BL Sta. 0+33.23, 25.91' Lt.  
 1-Fire Hydrant Assembly  
 (L = 5')  
 Bury Line Elev. = 94.40  
 Valve Box Elev. = 94.50

WL Sta. 1+58.89, Line 2  
 BL Sta. 1+78.06, 26.00' Lt.  
 1 - 8" CIMJ 45° Bend (Vert.)

WL Sta. 1+62.73, Line 2  
 BL Sta. 1+81.79, 26.00' Lt.  
 1 - 8" CIMJ 45° Bend (Vert.)

WL Sta. 1+86.40, Line 2  
 BL Sta. 2+04.72, 26.01' Lt.  
 1 - 8" CIMJ 45° Bend (Vert.)

FH Tee = 26' SW of the CL of Kessler (NW).  
 = 35' NW of the CL of Kessler (SW).

FH Valve = 24' SW of the CL of Kessler (NW).  
 = 35' NW of the CL of Kessler (SW).

Fire Hydrant = 21' SW of the CL of Kessler (NW).  
 = 35' NW of the CL of Kessler (SW).

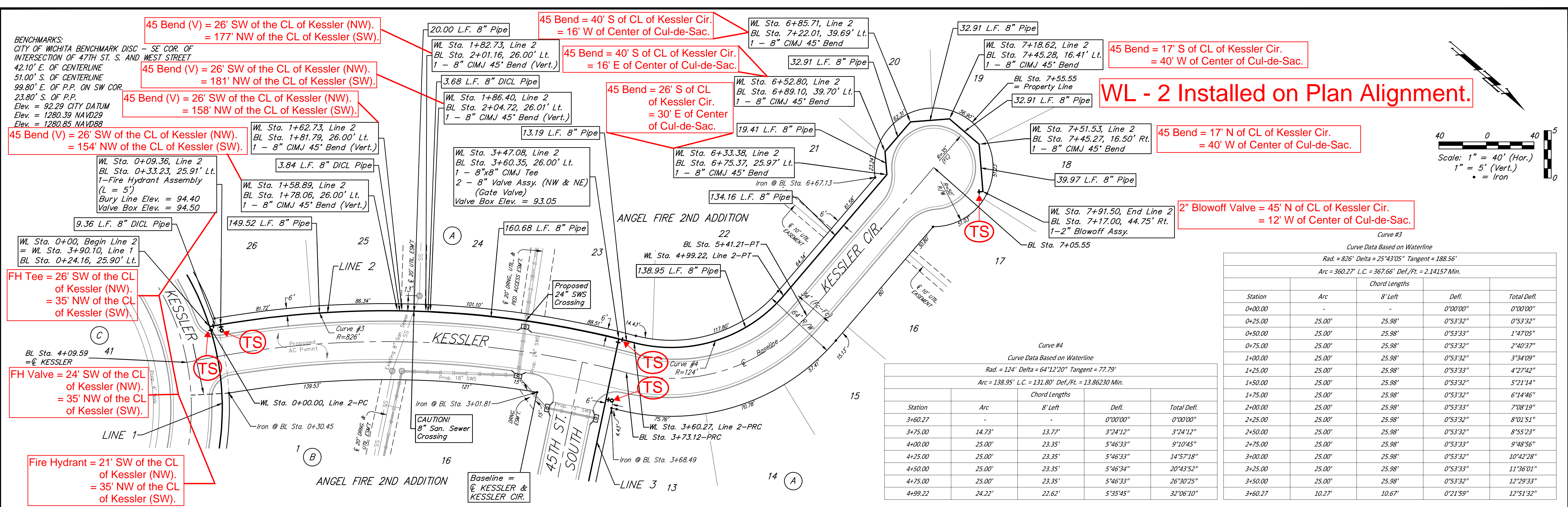
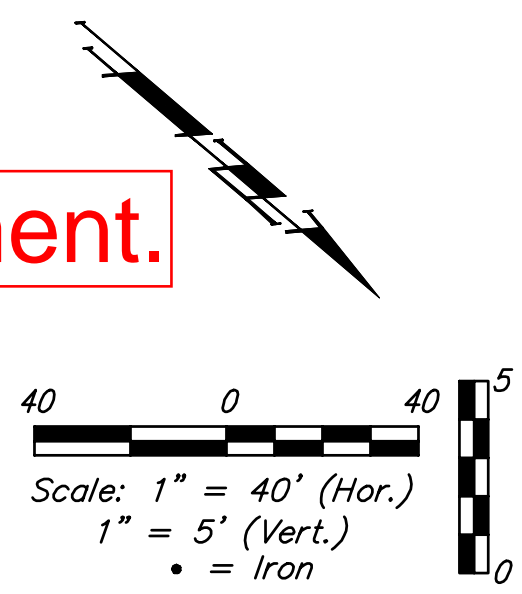
45 Bend = 40' S of CL of Kessler Cir.  
 = 16' W of Center of Cul-de-Sac.

45 Bend = 40' S of CL of Kessler Cir.  
 = 16' E of Center of Cul-de-Sac.

45 Bend = 26' S of CL of Kessler Cir.  
 = 30' E of Center of Cul-de-Sac.

**WL - 2 Installed on Plan Alignment.**

2" Blowoff Valve = 45' N of CL of Kessler Cir.  
 = 12' W of Center of Cul-de-Sac.

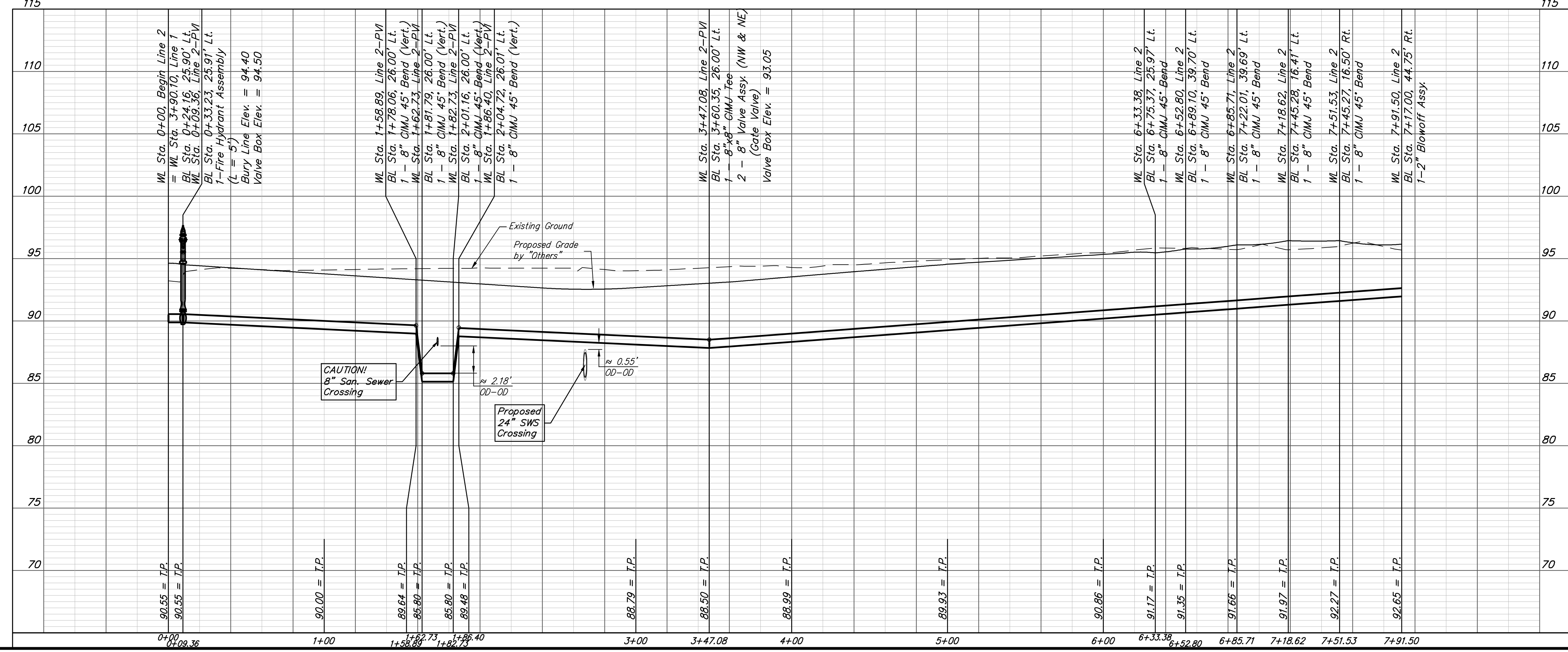


Curve #4  
 Curve Data Based on Waterline  
 Rad. = 124' Delta = 64°12'20" Tangent = 77.79'  
 Arc = 138.95' L.C. = 131.80' Def./Ft. = 13.86230 Min.

Station	Arc	8' Left	Defl.	Total Defl.
3+60.27	-	-	0°00'00"	0°00'00"
3+75.00	14.73'	13.77'	3°24'12"	3°24'12"
4+00.00	25.00'	23.35'	5°46'33"	9°10'45"
4+25.00	25.00'	23.35'	5°46'33"	14°57'18"
4+50.00	25.00'	23.35'	5°46'34"	20°43'52"
4+75.00	25.00'	23.35'	5°46'33"	26°30'25"
4+99.22	24.22'	22.62'	5°35'45"	32°06'10"

Curve #3  
 Curve Data Based on Waterline  
 Rad. = 826' Delta = 25°43'05" Tangent = 188.56'  
 Arc = 360.27' L.C. = 367.66' Def./Ft. = 2.14157 Min.

Station	Arc	8' Left	Defl.	Total Defl.
0+00.00	-	-	0°00'00"	0°00'00"
0+25.00	25.00'	25.98'	0°53'32"	0°53'32"
0+50.00	25.00'	25.98'	0°53'33"	1°47'05"
0+75.00	25.00'	25.98'	0°53'32"	2°40'37"
1+00.00	25.00'	25.98'	0°53'32"	3°34'09"
1+25.00	25.00'	25.98'	0°53'33"	4°27'42"
1+50.00	25.00'	25.98'	0°53'32"	5°21'14"
1+75.00	25.00'	25.98'	0°53'32"	6°14'46"
2+00.00	25.00'	25.98'	0°53'33"	7°08'19"
2+25.00	25.00'	25.98'	0°53'32"	8°01'51"
2+50.00	25.00'	25.98'	0°53'32"	8°55'23"
2+75.00	25.00'	25.98'	0°53'33"	9°48'56"
3+00.00	25.00'	25.98'	0°53'32"	10°42'28"
3+25.00	25.00'	25.98'	0°53'33"	11°36'01"
3+50.00	25.00'	25.98'	0°53'32"	12°29'33"
3+60.27	10.27'	10.67'	0°21'59"	12°51'32"



**LEGEND**

(TS) = Test Station.

CL = Centerline.

**BAUGHMAN COMPANY**

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ANGEL FIRE 2ND ADDITION

**LINE 2**

Water Distribution System

PROJECT NUMBER:  
 2021-010754PPW

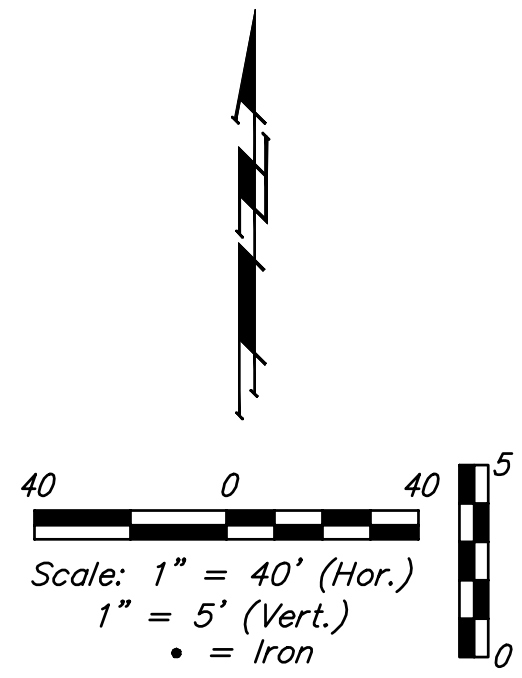
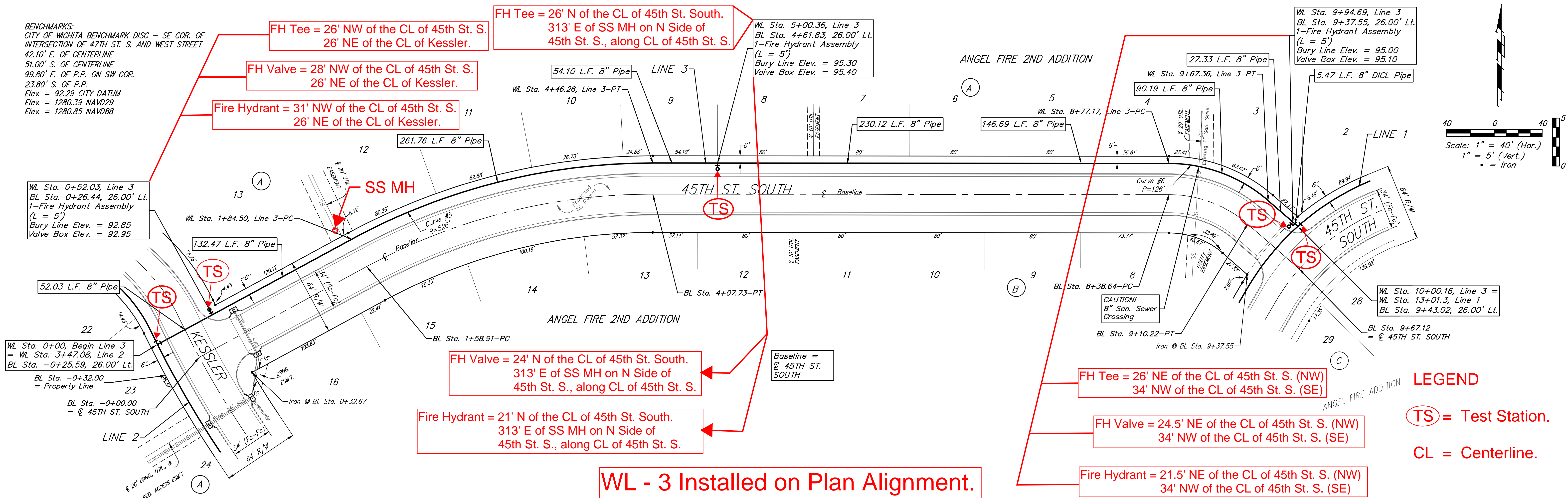
DESIGN: AEG DRAWN: CDW

DATE: July 6, 2021

SHEET **6** OF **17**

File: E:\Projects\Angel Fire 2nd Addition\11-03-P797\Engineering\Phase 1\Wtr\_21-02-EB48\WTR PLANS.dwg

BENCHMARKS:  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF INTERSECTION OF 47TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88



**FH Tee = 26' N of the CL of 45th St. South.  
 313' E of SS MH on N Side of  
 45th St. S., along CL of 45th St. S.**

**FH Valve = 28' NW of the CL of 45th St. S.  
 26' NE of the CL of Kessler.**

**Fire Hydrant = 31' NW of the CL of 45th St. S.  
 26' NE of the CL of Kessler.**

**FH Tee = 26' NE of the CL of 45th St. S. (NW)  
 34' NW of the CL of 45th St. S. (SE)**

**FH Valve = 24.5' NE of the CL of 45th St. S. (NW)  
 34' NW of the CL of 45th St. S. (SE)**

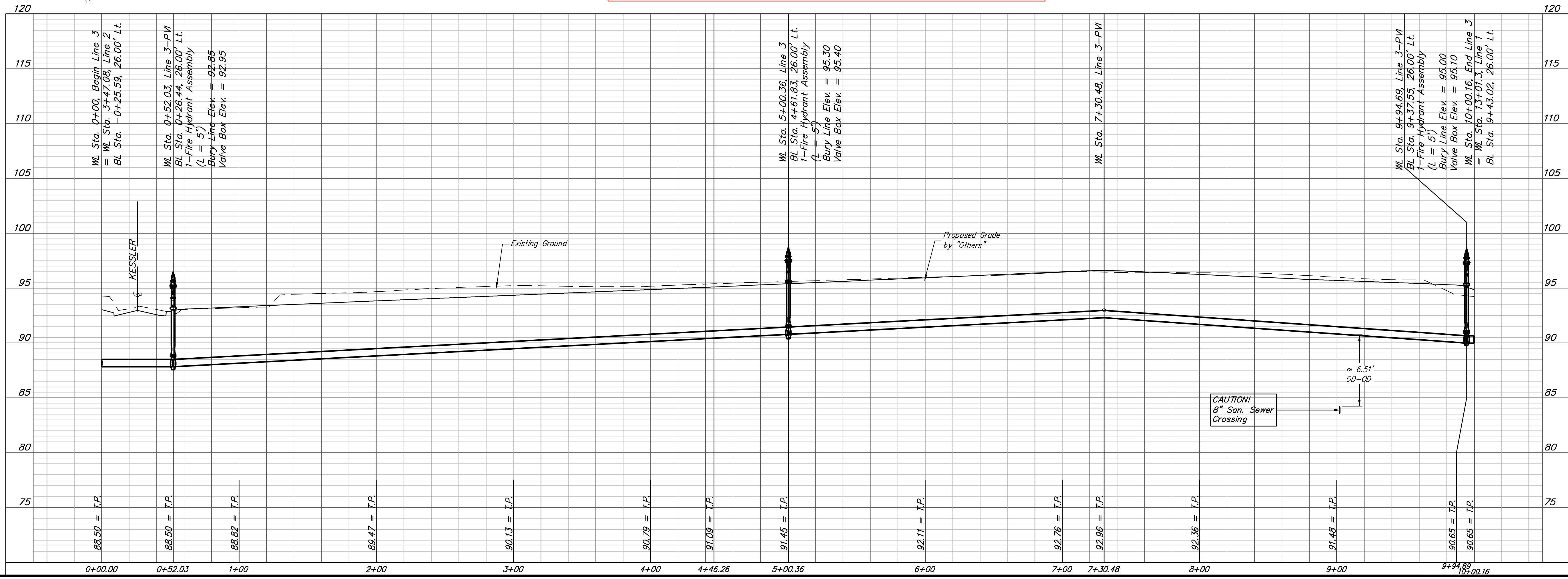
**Fire Hydrant = 21.5' NE of the CL of 45th St. S. (NW)  
 34' NW of the CL of 45th St. S. (SE)**

**WL - 3 Installed on Plan Alignment.**

**LEGEND**

**TS = Test Station.**

**CL = Centerline.**



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ANGEL FIRE 2ND ADDITION

**LINE 3**

Water Distribution System

PROJECT NUMBER:  
2021-010754PPW

DESIGN: AEG DRAWN: CDW

DATE: July 6, 2021

SHEET 7 OF 17

File: E:\Projects\Angel Fire 2nd Addition\11-03-P797\Engineering\Phase 1\WL - 21-02-EB48\WTR PLANS.dwg

BENCHMARKS:  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF  
 INTERSECTION OF 47TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88

2" Blowoff Valve =  
 122' S of the CL of Angel.  
 25' E of the CL of Angel Ct.

FH Tee = 63' S of the CL of Angel.  
 23' W of the CL of Angel Ct.

FH Valve = 63' S of the CL of Angel.  
 21.5' W of the CL of Angel Ct.

Fire Hydrant = 63' S of the CL of Angel.  
 18' W of the CL of Angel Ct.

45 Bend = 124' S of the CL of Angel.  
 23' W of the CL of Angel Ct.

WL - 4 Installed on Plan Alignment.

45 Bend = 141' S of the CL of Angel.  
 40' W of the CL of Angel Ct.

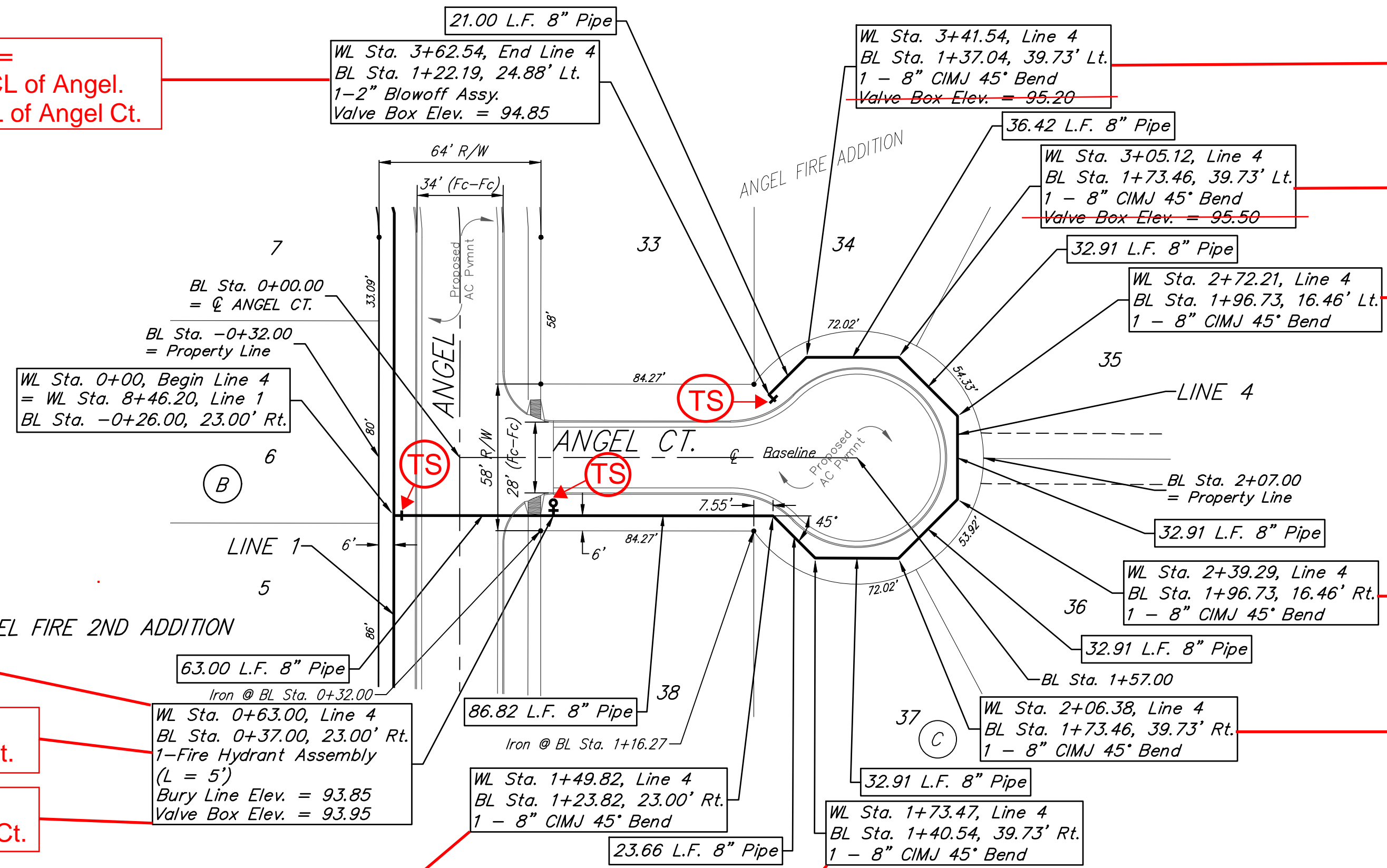
45 Bend = 137' S of the CL of Angel.  
 40' E of the CL of Angel Ct.

45 Bend = 174' S of the CL of Angel.  
 40' E of the CL of Angel Ct.

45 Bend = 197' S of the CL of Angel.  
 17' E of the CL of Angel Ct.

45 Bend = 197' S of the CL of Angel.  
 17' W of the CL of Angel Ct.

45 Bend = 174' S of the CL of Angel.  
 40' W of the CL of Angel Ct.

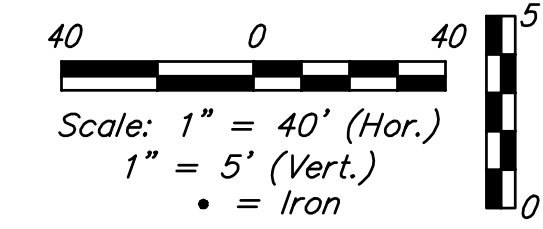


Curve #5  
 Curve Data Based on Waterline  
 Rad. = 526' Delta = 28°30'48" Tangent = 133.65'  
 Arc = 261.76' L.C. = 259.07' Def./Ft. = 3.26788 Min.

Station	Arc	8' Left	Defl.	Total Defl.
1+84.50	-	-	0°00'00"	0°00'00"
2+00.00	15.50'	15.74'	0°50'39"	0°50'39"
2+25.00	25.00'	25.38'	1°21'42"	2°12'21"
2+50.00	25.00'	25.38'	1°21'42"	3°34'03"
2+75.00	25.00'	25.38'	1°21'42"	4°55'45"
3+00.00	25.00'	25.38'	1°21'41"	6°17'26"
3+25.00	25.00'	25.38'	1°21'42"	7°39'08"
3+50.00	25.00'	25.38'	1°21'42"	9°00'50"
3+75.00	25.00'	25.38'	1°21'42"	10°22'32"
4+00.00	25.00'	25.38'	1°21'42"	11°44'14"
4+25.00	25.00'	25.38'	1°21'41"	13°05'55"
4+46.26	21.26'	21.58'	1°09'29"	14°15'24"

Curve #6  
 Curve Data Based on Waterline  
 Rad. = 126' Delta = 41°00'42" Tangent = 47.12'  
 Arc = 90.19' L.C. = 88.28' Def./Ft. = 13.64176 Min.

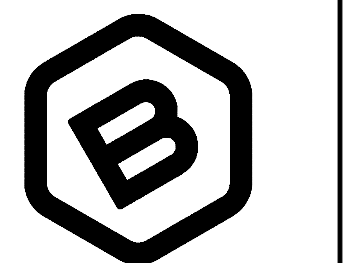
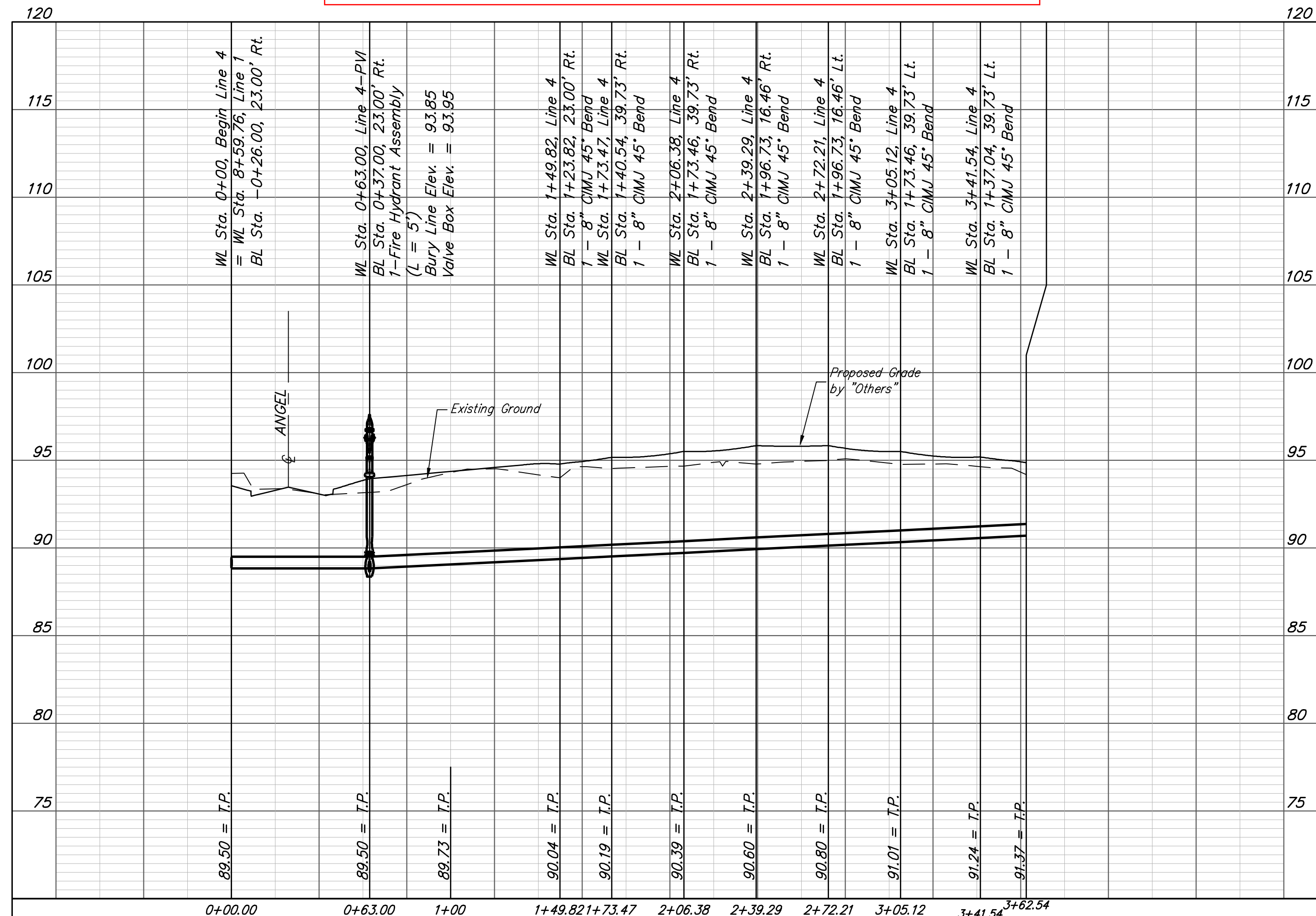
Station	Arc	8' Left	Defl.	Total Defl.
8+77.17	-	-	0°00'00"	0°00'00"
9+00.00	22.83'	24.25'	5°11'26"	5°11'26"
9+25.00	25.00'	26.54'	5°41'03"	10°52'29"
9+50.00	25.00'	26.54'	5°41'03"	16°33'32"
9+67.36	17.36'	18.45'	3°56'49"	20°30'21"



LEGEND

TS = Test Station.

CL = Centerline.



**BAUGHMAN COMPANY**

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ANGEL FIRE  
 2ND ADDITION

**LINE 4**

Water Distribution System

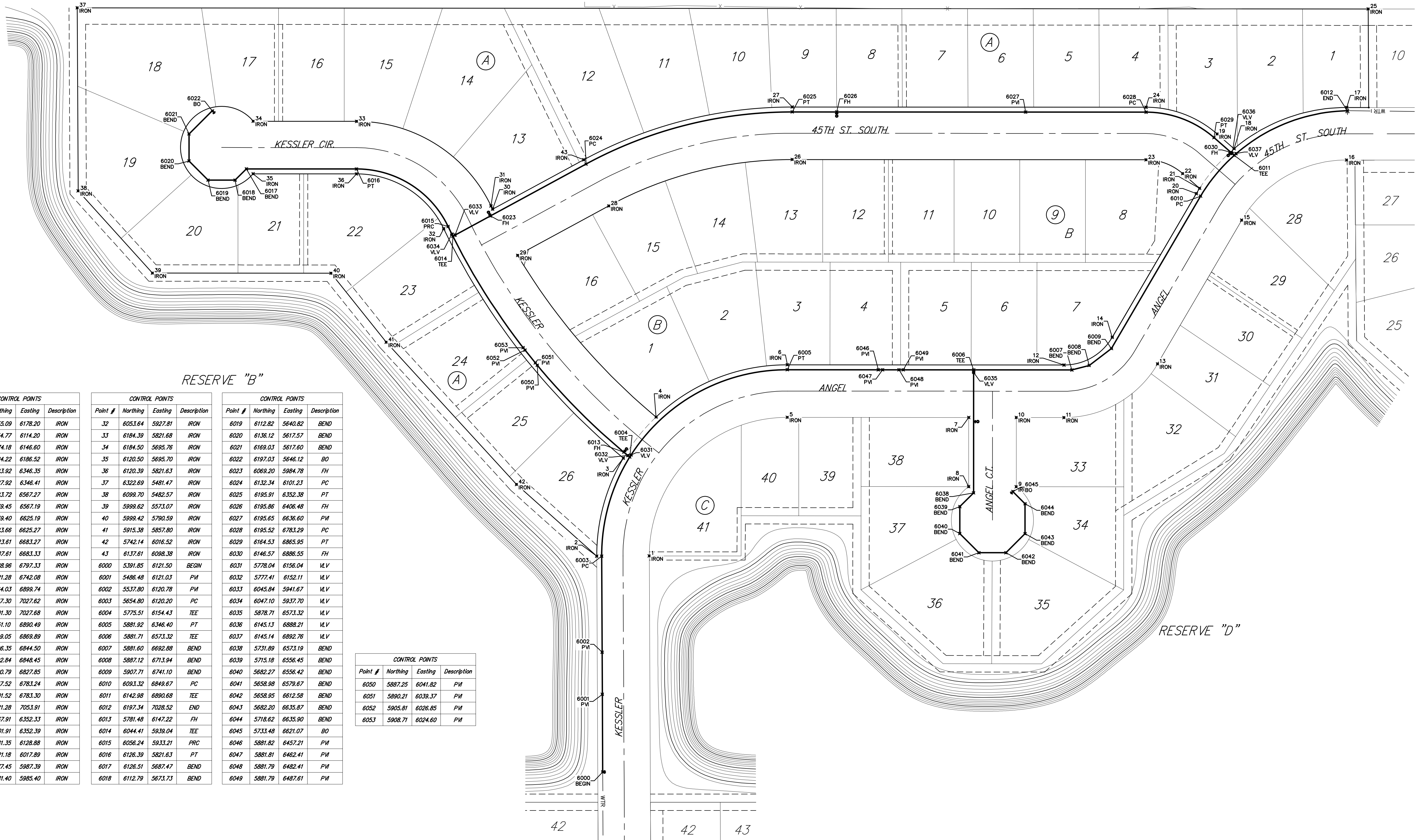
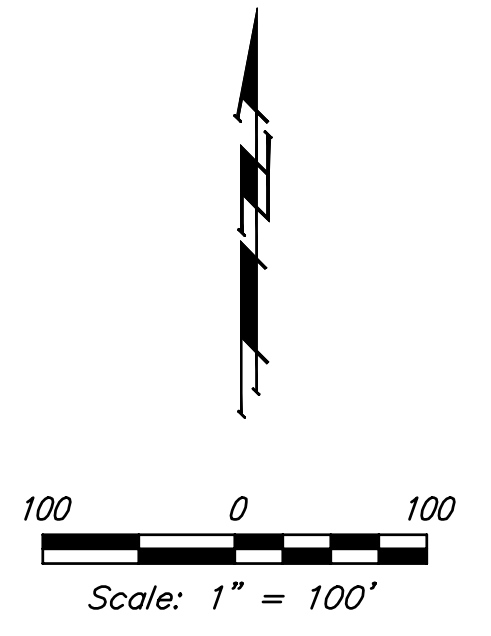
PROJECT NUMBER:  
 2021-010754PPW

DESIGN: AEG DRAWN: CDW

DATE: July 6, 2021

SHEET OF  
**8 17**

BENCHMARKS:  
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF  
 INTERSECTION OF 47TH ST. S. AND WEST STREET  
 42.10' E. OF CENTERLINE  
 51.00' S. OF CENTERLINE  
 99.80' E. OF P.P. ON SW COR.  
 23.80' S. OF P.P.  
 Elev. = 92.29 CITY DATUM  
 Elev. = 1280.39 NAVD29  
 Elev. = 1280.85 NAVD88



Point #	Northing	Easting	Description
1	5655.09	6178.20	IRON
2	5654.77	6114.20	IRON
3	5774.18	6146.60	IRON
4	5824.22	6186.52	IRON
5	5823.92	6346.35	IRON
6	5887.92	6346.41	IRON
7	5823.72	6567.27	IRON
8	5739.45	6567.19	IRON
9	5739.40	6625.19	IRON
10	5823.66	6625.27	IRON
11	5823.61	6683.27	IRON
12	5887.61	6683.33	IRON
13	5888.96	6797.33	IRON
14	5921.28	6742.08	IRON
15	6064.03	6899.74	IRON
16	6137.30	7027.62	IRON
17	6201.30	7027.68	IRON
18	6151.10	6890.49	IRON
19	6169.05	6869.89	IRON
20	6096.35	6844.50	IRON
21	6102.84	6848.45	IRON
22	6120.79	6827.85	IRON
23	6137.52	6783.24	IRON
24	6201.52	6783.30	IRON
25	6321.28	7053.91	IRON
26	6137.91	6352.33	IRON
27	6201.91	6352.39	IRON
28	6081.35	6128.88	IRON
29	6021.18	6017.89	IRON
30	6077.45	5987.39	IRON
31	6081.40	5985.40	IRON

Point #	Northing	Easting	Description
32	6053.64	5927.81	IRON
33	6184.39	5821.68	IRON
34	6184.50	5695.76	IRON
35	6120.50	5695.70	IRON
36	6120.39	5821.63	IRON
37	6322.69	5481.47	IRON
38	6099.70	5482.57	IRON
39	5999.62	5573.07	IRON
40	5999.42	5790.59	IRON
41	5915.38	5857.80	IRON
42	5742.14	6016.52	IRON
43	6137.61	6098.38	IRON
6000	5391.85	6121.50	BEGIN
6001	5486.48	6121.03	PVI
6002	5537.80	6120.78	PVI
6003	5654.80	6120.20	PC
6004	5775.51	6154.43	TEE
6005	5881.92	6346.40	PT
6006	5881.71	6573.32	TEE
6007	5881.60	6692.88	BEND
6008	5887.12	6713.94	BEND
6009	5907.71	6741.10	BEND
6010	6093.32	6849.67	PC
6011	6142.98	6890.68	TEE
6012	6197.34	7028.52	END
6013	5781.48	6147.22	FH
6014	6044.41	5939.04	TEE
6015	6056.24	5933.21	PRC
6016	6126.39	5821.63	PT
6017	6126.51	5687.47	BEND
6018	6112.79	5673.73	BEND

Point #	Northing	Easting	Description
6019	6112.82	5640.82	BEND
6020	6136.12	5617.57	BEND
6021	6169.03	5617.60	BEND
6022	6197.03	5646.12	BO
6023	6069.20	5984.78	FH
6024	6132.34	6101.23	PC
6025	6195.91	6352.38	PT
6026	6195.86	6406.48	FH
6027	6195.65	6636.60	PVI
6028	6195.52	6783.29	PC
6029	6164.53	6865.95	PT
6030	6146.57	6886.55	FH
6031	5778.04	6156.04	VLV
6032	5777.41	6152.11	VLV
6033	6045.84	5941.67	VLV
6034	6047.10	5937.70	VLV
6035	5878.71	6573.32	VLV
6036	6145.13	6888.21	VLV
6037	6145.14	6892.76	VLV
6038	5731.89	6573.19	BEND
6039	5715.18	6556.45	BEND
6040	5682.27	6556.42	BEND
6041	5658.98	6579.67	BEND
6042	5658.95	6612.58	BEND
6043	5682.20	6635.87	BEND
6044	5718.62	6635.90	BEND
6045	5733.48	6621.07	BO
6046	5881.82	6457.21	PVI
6047	5881.81	6482.41	PVI
6048	5881.79	6482.41	PVI
6049	5881.79	6487.61	PVI

Point #	Northing	Easting	Description
6050	5887.25	6041.82	PVI
6051	5890.21	6039.37	PVI
6052	5905.81	6026.85	PVI
6053	5908.71	6024.60	PVI

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

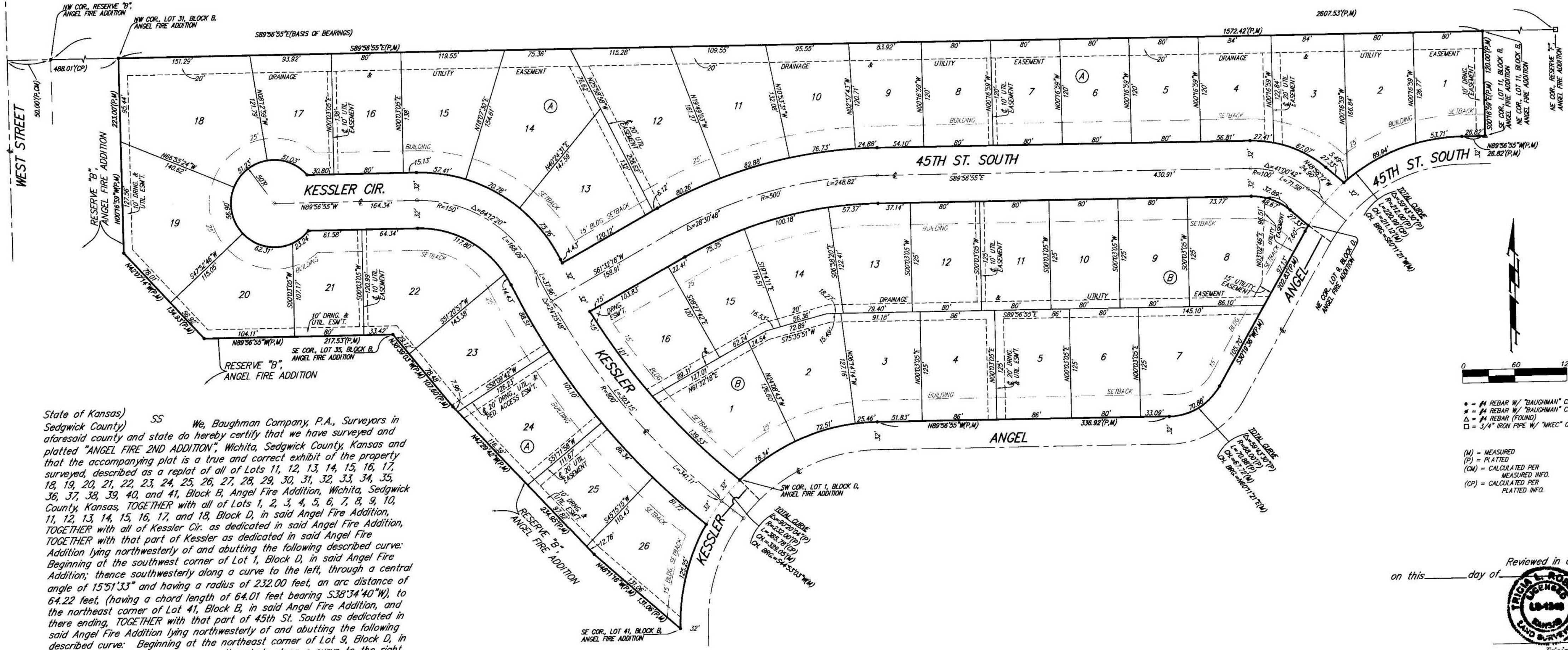
ANGEL FIRE  
 2ND ADDITION

**COORDINATES**

Water Distribution System  
 PROJECT NUMBER:  
 2021-010754PPW  
 DESIGN: AEG DRAWN: CDW  
 DATE: July 6, 2021  
 SHEET **15** OF **17**

File: E:\Projects\Angel Fire 2nd Addition\11-03-P197\Engineering\Phase 1\Wtr\_21-02-EB48\WTR PLANS.dwg

# ANGEL FIRE 2ND ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



LOT	BLOCK	ELEVATION
18-26	A	94.0 1281.88

BENCHMARK:  
CITY OF WICHITA BENCHMARK DISC - SE COR OF INTERSECTION OF 47TH ST. S. AND WEST STREET  
42.10' E. OF CENTERLINE  
51.00' S. OF CENTERLINE  
99.80' E. OF P.P. ON SW COR.  
23.80' S. OF P.P.  
ELEV. = 92.29 CITY DATUM  
(1280.15 NAVD83)

BRASS DISC ON TOP OF CURB  
EAST END OF CURB RETURN,  
NORTH OF THE NW COR., LOT 48,  
BLOCK C, ANGEL FIRE ADDITION.  
ELEV. = 94.53 CITY DATUM  
(1282.23 NAVD83)

BRASS DISC ON TOP OF CURB  
WEST END OF CURB RETURN,  
WEST OF THE SW COR., LOT 1,  
BLOCK B, ANGEL FIRE ADDITION.  
ELEV. = 94.53 CITY DATUM  
(1282.68 NAVD83)

- = #4 REBAR W/ "TAUGHMAN" CAP (SET)
  - = #4 REBAR W/ "TAUGHMAN" CAP (FOUND)
  - Δ = #4 REBAR (FOUND)
  - = 3/4" IRON PIPE W/ "MEC" CAP (FOUND)
- (M) = MEASURED  
(P) = PLATED  
(CA) = CALCULATED PER MEASURED INFO.  
(CP) = CALCULATED PER PLATED INFO.

State of Kansas) SS We, Baughman Company, P.A., Surveyors in Sedgwick County and state do hereby certify that we have surveyed and platted "ANGEL FIRE 2ND ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as a replat of all of Lots 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, and 41, Block B, Angel Fire Addition, Wichita, Sedgwick County, Kansas; TOGETHER with all of Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, Block D, in said Angel Fire Addition, TOGETHER with all of Kessler Cir. as dedicated in said Angel Fire Addition, TOGETHER with that part of Kessler as dedicated in said Angel Fire Addition lying northwesterly of and abutting the following described curve: Beginning at the southwest corner of Lot 1, Block D, in said Angel Fire Addition; thence southwesterly along a curve to the left, through a central angle of 15°51'33" and having a radius of 232.00 feet, an arc distance of 64.22 feet, (having a chord length of 64.01 feet bearing S38°34'40"W), to the northeast corner of Lot 41, Block B, in said Angel Fire Addition, and there ending, TOGETHER with that part of 45th St. South as dedicated in said Angel Fire Addition lying northwesterly of and abutting the following described curve: Beginning at the northeast corner of Lot 9, Block D, in said Angel Fire Addition; thence northeasterly along a curve to the right, through a central angle of 172°1'48" and having a radius of 212.00 feet, an arc distance of 64.25 feet, (having a chord length of 64.00 feet bearing N41°03'48"E), to the most southerly deflection corner in the south line of Lot 13, Block B, in said Angel Fire Addition, and there ending.

Existing public easements and dedications being vacated by virtue of K.S.A. 12-512(b).



Michael G. Conroy, Surveyor

We, the undersigned holders of mortgages on the above described property, do hereby consent to this plat of "ANGEL FIRE 2ND ADDITION", Wichita, Sedgwick County, Kansas.

Steve Gehlen, SVP  
Legacy Bank

State of Kansas) SS The foregoing instrument acknowledged before me, this 2 day of December, 2011, by Steve Gehlen, SVP of Legacy Bank, on behalf of the bank.

Notary Public  
My App'l. Exp. 5-3-2015

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into Lots, Blocks, and Streets, to be known as "ANGEL FIRE 2ND ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The drainage easements are hereby granted as indicated for drainage purposes. The drainage, utility, and pedestrian access easement is hereby granted as indicated for drainage purposes, for the construction and maintenance of all public utilities, and for public pedestrian access purposes to or from Reserve "B", Angel Fire Addition, Wichita, Sedgwick County, Kansas, and no fences or other obstructions shall be constructed or placed on or within this easement. The streets are hereby dedicated to and for the use of the public. The Minimum Building Pad Elevations for the lowest opening to the structures shall be as indicated on the face of the plat.

Caywood, L.L.C., a Kansas limited liability company  
Mathias F. Eck, Manager

State of Kansas) SS The foregoing instrument acknowledged before me, this 10 day of December, 2011, by Mathias F. Eck, Manager of the Caywood, L.L.C., a Kansas limited liability company, on behalf of the limited liability company.

Notary Public  
My App'l. Exp. 11-7-13

This plat of "ANGEL FIRE 2ND ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.  
Dated this 20 day of October, 2011.  
Wichita-Sedgwick County Metropolitan Area Planning Commission

Shawn Farney, Chair  
John L. Schlegel, Secretary

This plat approved and all dedications shown hereon, accepted by the City Council of the City of Wichita, Kansas, this 10 day of January, 2012.

Carl Brewer, Mayor  
Karen Sublett, City Clerk

Reviewed in accordance with K.S.A. 58-2005 on this day of \_\_\_\_\_  
Tricia L. Robello, L.S. #1246  
Deputy County Surveyor  
Sedgwick County, Kansas

Entered on transfer record this 18th day of May, 2012.  
Kelly B. Arnold, County Clerk

State of Kansas) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 18th day of May, 2012, at 2:54 o'clock P.M., and is duly recorded.  
Bill Meek, Register of Deeds  
Tonya Buckingham, Deputy

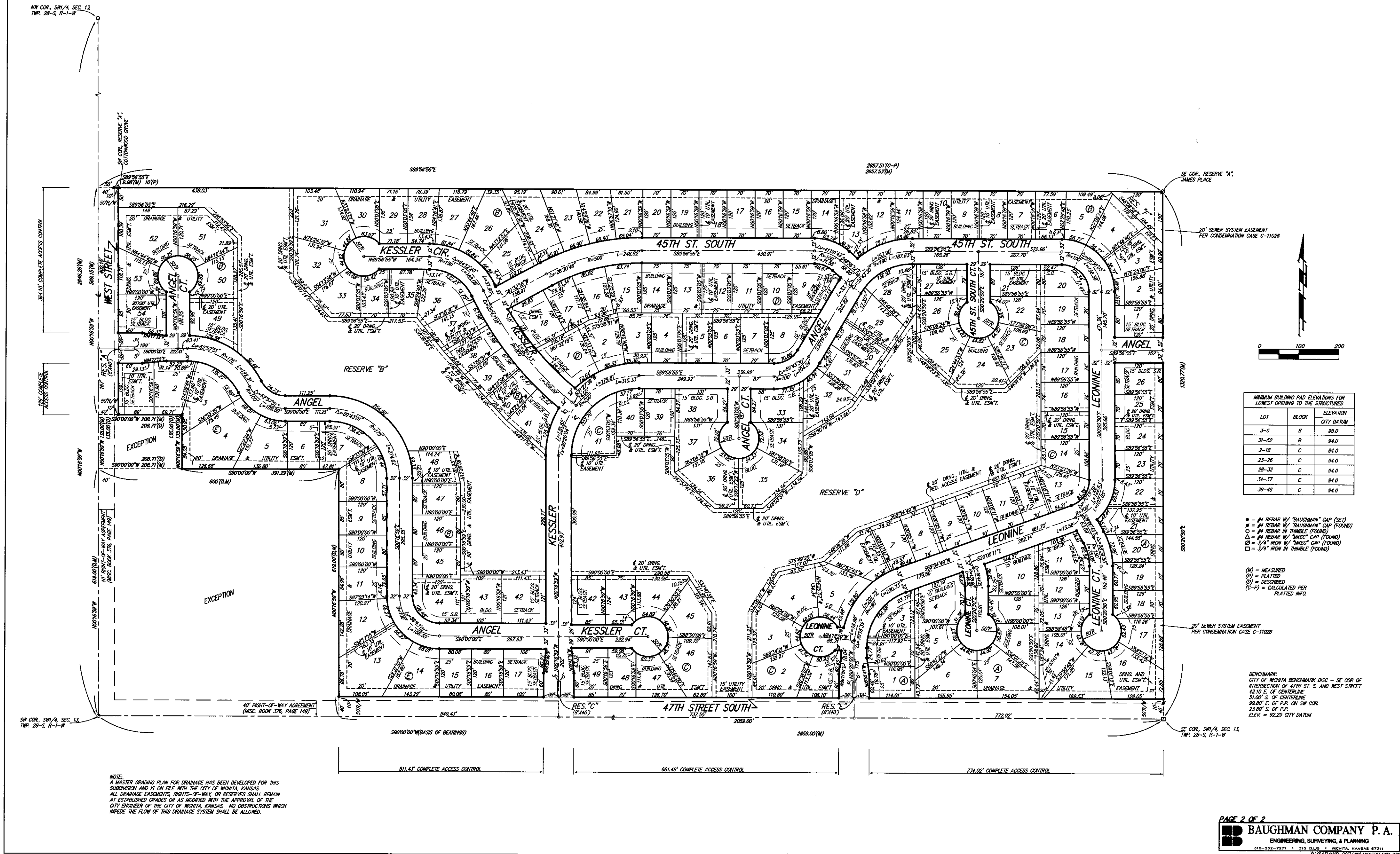
Recorded: 5/18/2012 2:56:16 PM  
Data Recorded: 5/18/2012 2:56:16 PM

NOTE: A master grading plan for drainage has been developed for this subdivision and is on file with the City of Wichita, Kansas. All drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the City Engineer of the City of Wichita, Kansas. No obstructions which impede the flow of this drainage system shall be allowed.

Baughman Company, P.A.  
315 Ellis St. Wichita, KS 67211 P: 316-262-7271 F: 316-262-0149

This digital plat record accurately reproduces in all details the original plat filed with the Sedgwick County Register of Deeds. Digitized under the supervision of the Register of Deeds Bill Meek by Sedgwick County Geographic Information Systems.  
Bill Meek, Register of Deeds  
Digitized under the supervision of the Register of Deeds

# ANGEL FIRE ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



PAGE 2 OF 2  
**BAUGHMAN COMPANY P. A.**  
 ENGINEERING, SURVEYING, & PLANNING  
 216-252-7271 • 216 OLDFIELD • WICHITA, KANSAS 67201  
 E-MAIL: INFO@BAUGHMANCO.COM

Inches

This digital plat record accurately reproduces in all details the original plat filed with the Sedgwick County Register of Deeds. Digitized under the supervision of Register of Deeds Bill Meek by Sedgwick County Geographic Information Systems.

Bill Meek, Register of Deeds  
 Digitized version of original appearance

Inches