WATER DISTRIBUTION SYSTEM

to serve

PEGASUS & PEGASUS 2ND ADDITION

CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E. , City Engineer

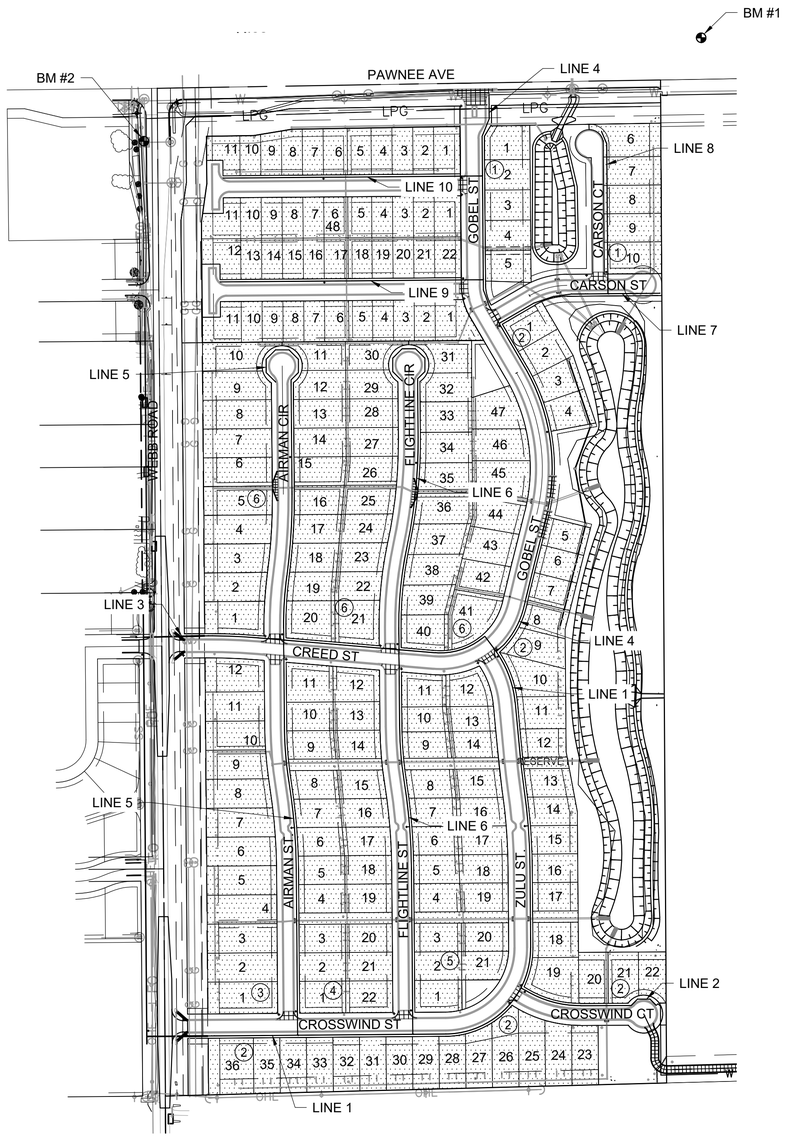
Project Number: 448-2024-005071

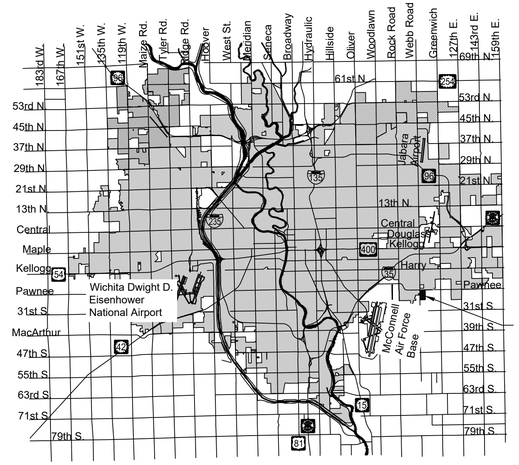
Org Code Number: 47123324

Munis Number: E4052

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Vicinity Map

ITEM	TYPE	MANUFACTURER	QTY.
8" WL Pipe	C900 PVC	Sanderson Pipe Corporation	10,193.26 LF
8" WL Pipe (Restrained)	C900 PVC	Sanderson Pipe Corporation	487.36 LF
8" WL Pipe	DICL	Sigma	223.50 LF
Fire Hydrant Assembly	Medallion Hydrant 250 PSI	Clow	17 EA
8" Tee	MJ DI C153 DI 350	Sigma	8 EA
8" 90° Bend	MJ DI C153 DI 350	Sigma	1 EA
8" 45° Bend	MJ DI C153 DI 350	Sigma	82 EA
8" 22.5° Bend	MJ DI C153 DI 350	Sigma	4 EA
8" 11.25° Bend	MJ DI C153 DI 350	Sigma	4 EA
8" GV Assembly	MJ VLV OL	Flowmaster	24 EA
8" GV Assembly (Special)	MJ VLV OL	Flowmaster	1 EA

Benchmarks

BENCHMARK #1:
CHISELED SQUARE WITH DIVOT ON NORTH CURB OF ENTRANCE ISLAND TO BRENTWOOD SOUTH ADDITION
ELEVATION = 1390.37 (NAVD88, G18)

BENCHMARK #2:
CHISELED SQUARE WITH DIVOT ON THE NORTHWEST CORNER OF STORM INLET ON WEST SIDE OF WEBB ROAD, 140' SOUTH OF PAWNEE AVE.
ELEVATION = 1391.76 (NAVD88, G18)

IMPROVEMENT DISTRICT

N

0 100' 200' 400' 600'

(IN FEET)

ERIC JOHN GLOVER LICENSED 18144 24-25 KANSAS PROFESSIONAL ENGINEER

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

FEB. 2025

PLANS PREPARED BY

NOTE: All coordinates listed are modified NAD83 Kansas State Plane Zone South unless otherwise noted. To convert listed coordinates to NAD83 Kansas State Plane Zone South coordinates multiply the northing and easting by the project scale factor of 0.99990477. Elevation datum is NAVD88 Geoid 12B unless otherwise noted.

GARVER
1995 Midfield Road
Wichita, KS 67209
(316) 264-8008
www.GarverUSA.com
Project No. 2400521

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. 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 Dept.	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
Evergy	1-800-544-4857
ONEOK	1-888-482-4950
Phillips 66	1-316-821-2260
Sedgwick County Electric Cooperative	1-866-542-4732
Southern Star Pipeline	1-316-529-6601

3. 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.

4. 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.

5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. 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.

7. 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.

8. 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.

9. 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 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 responsibly.

10. All elevations shown are NAVD 88.

11. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

12. Opening and closing of water valves shall be done slowly to prevent damage to the water distributions 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.

13. The Contractor shall install 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.

14. 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.

15. 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.

16. 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.

17. Deflections at pipe joint or couplings shall not exceed the pipe manufactures recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.

18. Any existing joint exposed during excavation shall be replaced if within four feet of proposed water main joint.

19. 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 316-219-8921.

20. 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.

21. Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.

22. No shrink or swell factors have been applied to the earthwork quantities shown on this project. All earthwork quantities are based on raw surface volume comparisons.

26. Maintain a minimum of 10-foot horizontal separation between all water lines (mains, services, and fire hydrants) and all sanitary sewer lines (main, services, and manholes). All separation distances are to be measured from edge-to-edge, at the closest point.

27. Maintain a minimum of 2-foot vertical separation between all water lines (main 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.

28. 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.

29. Excess dirt generated from installation of underground utilities is to remain on site and shall be placed evenly on the adjacent lots and neatly graded.

30. All seeding on this project shall be temporary. See Sheet No. 33 for details.

31. Contractor is responsible for getting ALL Sedgwick County Permits.

32. Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.

33. These plans are based upon the assumption that site grading will be completed prior to water main installation. Protective fill will be required if site grading is not completed first. Cost of protective fill shall be subsidiary to the bid item of the pipe being installed.

34. Developer:

    Bryon Lagaly (316) 295-7782 bryanlagaly@gmail.com
    Kirk Richards (316) 390-2219 Kirk@k2propertieswichita.com

SOUTHERN STAR CENTRAL CONTACT:
KEVIN SCHEER (316) 529-6601 KEVIN.SCHEER@SSCGP.COM

Contractor to contact Southern Star a minimum of 48 hours prior to any construction within 25' of the existing main.

Southern Star Pipeline Crossing Requirements

- Cross easement and pipeline at 90 degrees.
- Maintain same elevation across the easement.
- Minimum 24" (24 inches) of clearance between lines for:
  - Conventional excavated crossings.
  - HDD installations with drill heads not exceeding 4 inches.
- Minimum 60" of clearance between lines for HDD installations with drill heads greater than 4 inches.
- No structures within easement.
- Fittings/joints at least 5 feet from pipeline.
- Casing Pipe required for Non-Ductile Iron/Non-steel lines with a diameter greater than 4 inches for full width of easement.
  - PVC casing pipe requires a minimum wall thickness of Sch. 80.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

GENERAL NOTES

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 2 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.585 Plot Date: 2/5/2025 8:54 AM Plotter used: None



CONTRACTOR TO COMPLETE PHASE 1 AREA FIRST. UPON COMPLETION OF EARTHWORK AND STORM SEWER, WATER DISTRIBUTION IS TO BE INSTALLED FOLLOWED BY PAVING. STORM WATER DRAIN ACTIVITIES WILL CONTINUE ON THE REMAINDER OF THE SITE.

UPON COMPLETION AND ACCEPTANCE OF ALL 1ST PHASE PROJECTS, AS OUTLINED ON THIS SHEET, THE AREA WILL BE TURNED OVER TO THE OWNER TO BEGIN HOME CONSTRUCTION. ADDITIONAL MOBILIZATION WILL BE INCLUDED IN THE BID ITEMS FOR WATER AND PAVING. TIME FRAME FOR 1ST PHASE ACTIVITIES CAN BE FOUND IN THE BID DOCUMENTS.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

PHASE 1
CONSTRUCTION
EXHIBIT

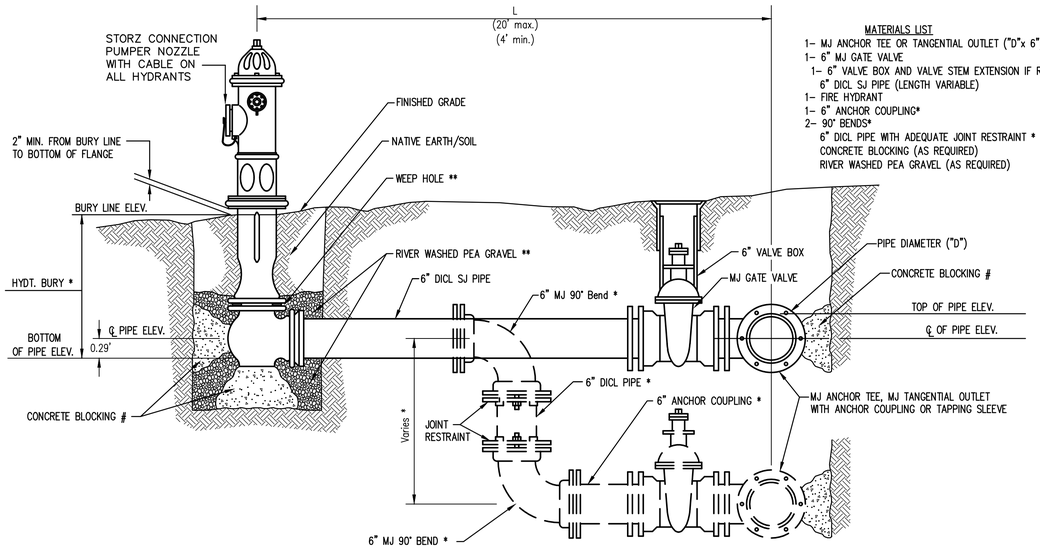
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
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SHEET NUMBER 3 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: --- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 8:55 AM Plotter used: None



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)

See next sheet for Fire Hydrant Table

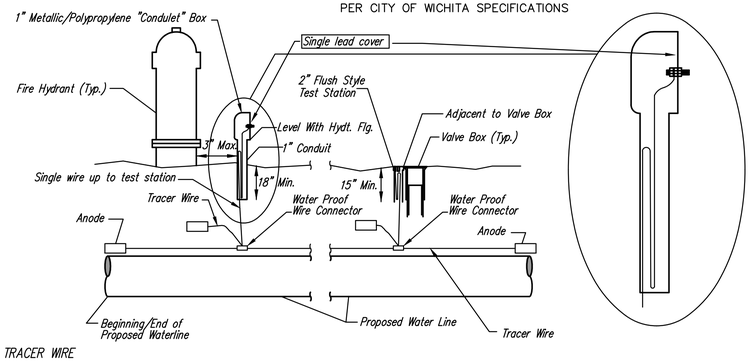
* IF THE REQUIRED HYDRANT BURY IS IN EXCESS OF 5', BUT LESS THAN 7', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY. IF THE REQUIRED HYDRANT BURY IS GREATER THAN 7', CONTRACTOR SHALL USE 5' HYDRANT BURY, 2-MJ 90° BENDS, 6" ANCHOR COUPLING AND 6" DICL PIPE AS NECESSARY FOR VERTICAL ADJUSTMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING AT HYDRANT AND MEGALUGS, 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.

WIRE

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

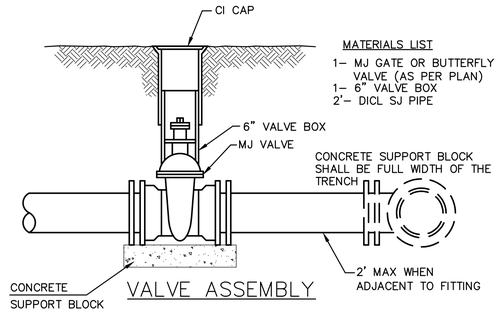
*The test station for fire hydrant application shall be a 1" "conduit" style station as manufactured by AGRA Industries with a removable solid cover having a single lead extending from the face or approved equal. The "conduit" style test station shall be attached to a 1" rigid galvanized conduit with 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

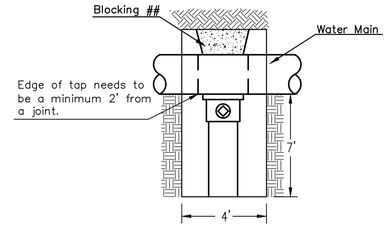


MATERIALS LIST

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

CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

VALVE ASSEMBLY

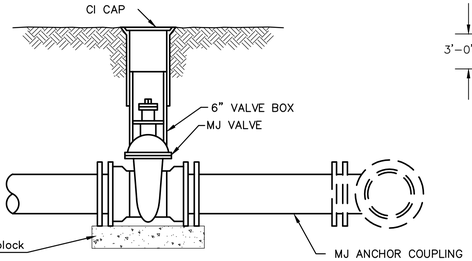


CITY TAP

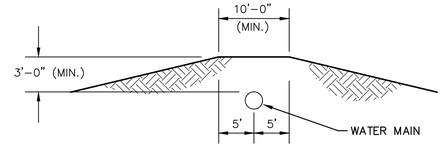
When the City of Wichita makes tap, blocking is to be done by Contractor

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

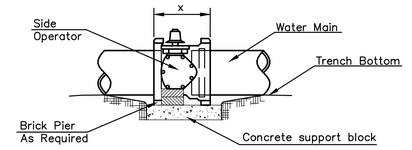


ANCHORED VALVE ASSEMBLY



PROTECTIVE FILL DETAIL

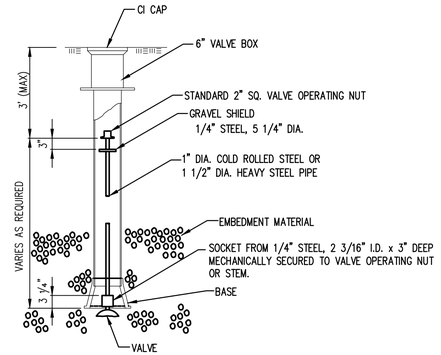
MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN 3'. (COST SUBSIDIARY TO PIPE INSTALLATION)



NOTES

1. This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
2. 6" Valve Box and Cover required per City of Wichita Std. Specifications.
3. Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION

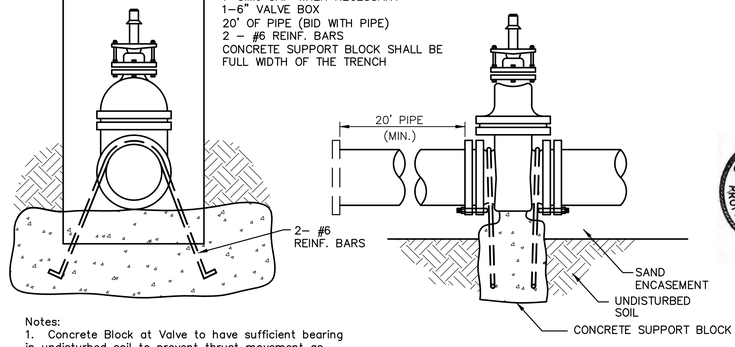


VALVE STEM EXTENSION DETAIL

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

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



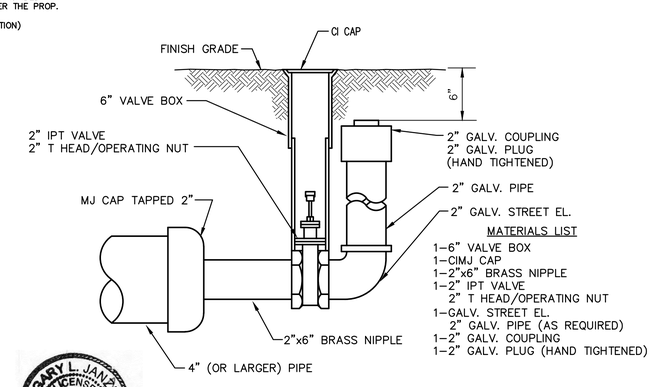
Notes:
1. Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.

2. The thrust block shall be constructed such that bolts, nuts, and other MJ accessories are kept clear of concrete.

3. 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 #/in²
4"	1809 lbs.
6"	4245 lbs.
8"	7540 lbs.
12"	16965 lbs.

ANCHORED VALVE ASSEMBLY, SPECIAL



MATERIALS LIST

1-6" VALVE BOX
1-CIMJ CAP
1-2"x6" BRASS NIPPLE
1-2" IPT VALVE
  2" T HEAD/OPERATING NUT
1-GALV. STREET EL.
  2" GALV. PIPE (AS REQUIRED)
1-2" GALV. COUPLING
1-2" GALV. PLUG (HAND TIGHTENED)

2" BLOWOFF ASSEMBLY

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
10/27/16

REVISED: OCTOBER 2016

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
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PDF BY: RDG 11/25/25

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STANDARD WATER ASSEMBLY DETAIL

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
____-____	.	

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

SHEET 4 / 46

WL-101

FIRE HYDRANTS REQUIRED

WATER LINE	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED	VALVE STEM EXT. REQUIRED (FT.)*
1	14+66.18	1384.17	1379.84	5.00	
1	19+24.97	1384.56	1380.23	5.00	
2	0+14.00	1385.02	1380.69	5.00	
4	16+12.76	1384.52	1380.69	4.50	
5	0+63.00	1388.46	1384.63	4.50	
5	5+48.14	1387.58	1383.75	4.50	
5	10+59.83	1388.36	1384.03	5.00	
5	15+28.75	1385.84	1382.01	4.50	
6	0+63.00	1386.76	1382.43	5.00	
6	5+48.11	1385.91	1382.08	4.50	
6	10+31.70	1386.76	1382.43	5.00	
6	15+13.17	1384.99	1381.16	4.50	
8	0+57.00	1384.17	1379.84	5.00	
9	2+75.00	1387.23	1383.40	4.50	
9	6+41.58	1384.96	1380.63	5.00	
10	2+65.00	1386.92	1383.09	4.50	
10	6+29.58	1386.20	1381.87	5.00	

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVIER
LICENSED
19744
2-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

FIRE HYDRANT TABLE

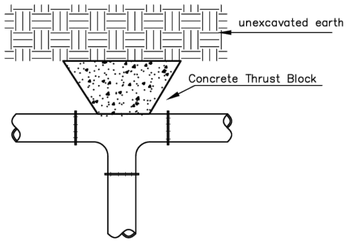
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

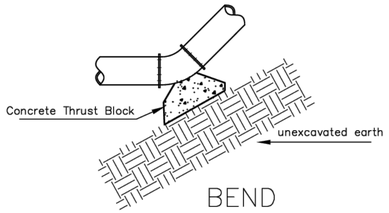
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SHEET NUMBER 5 OF 46

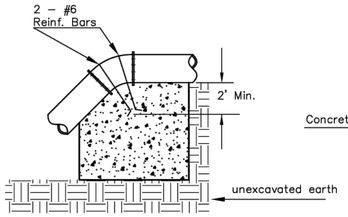
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.585 Plot Date: 2/5/2025 8:55 AM Plotter used: None



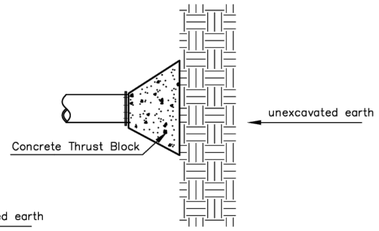
TEE



BEND



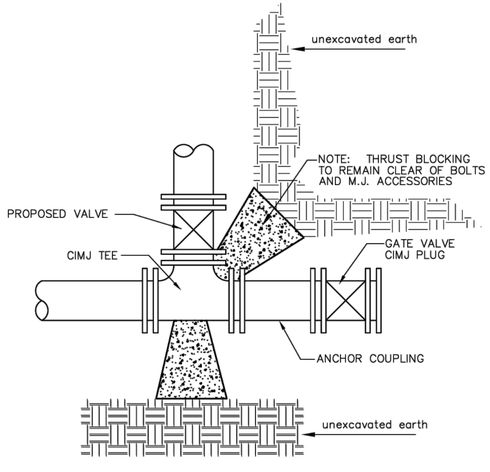
VERTICAL BEND



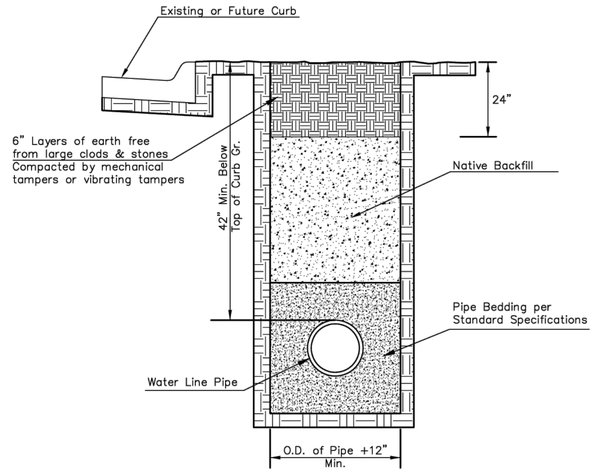
PLUG

PIPE SIZE	THRUST AT FITTINGS IN TONS–AT 150#/IN^{2}P					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

TYPICAL THRUST BLOCKS

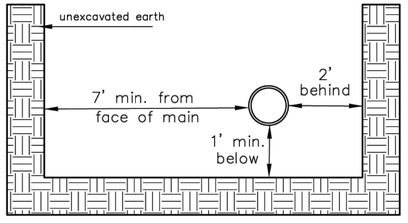


KEY BLOCK DETAIL



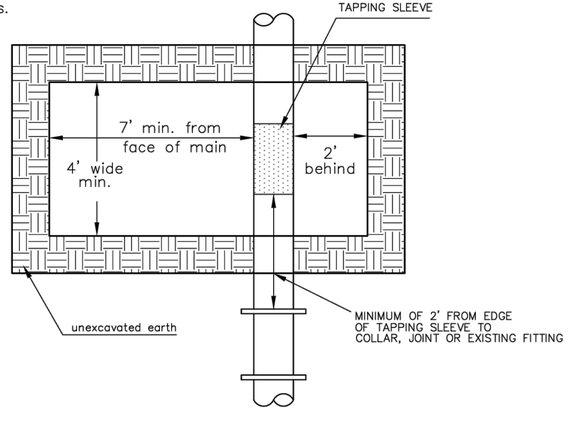
TRENCH COMPACTION IN ROAD RIGHT–OF–WAY

SIDE VIEW

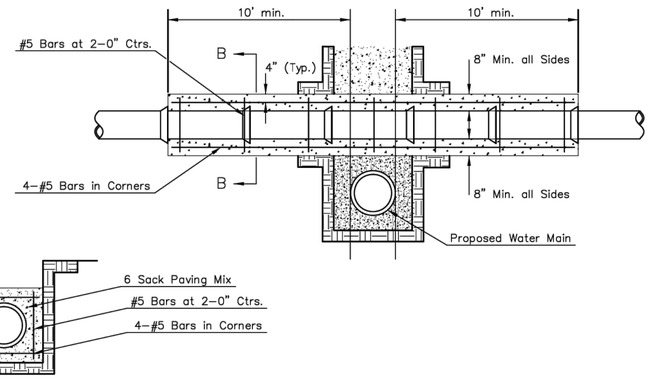


Note: When shoring is required it is to be per The City of Wichita Standard Specifications.

TOP VIEW



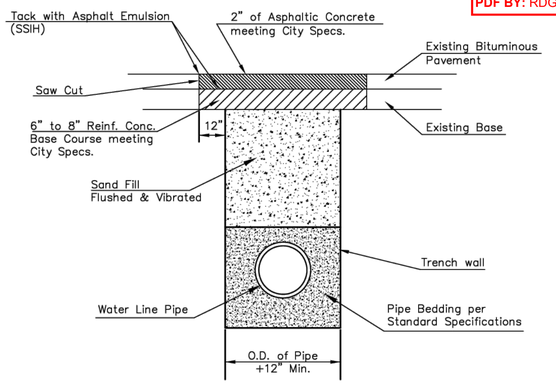
EXCAVATION FOR WET TAP



SECTION B–B

Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.

REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER



PAVEMENT REPLACEMENT & TRENCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS

* PLANS GOVERN
UNLESS OTHERWISE NOTED ON PLANS

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER 07/21/15

REVISED: JULY 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

MISCELLANEOUS WATER DETAILS

CITY ENGINEER
GARY JANZEN, P.E..

PROJECT NUMBER	OCA NUMBER	DATE
____-_____	.	

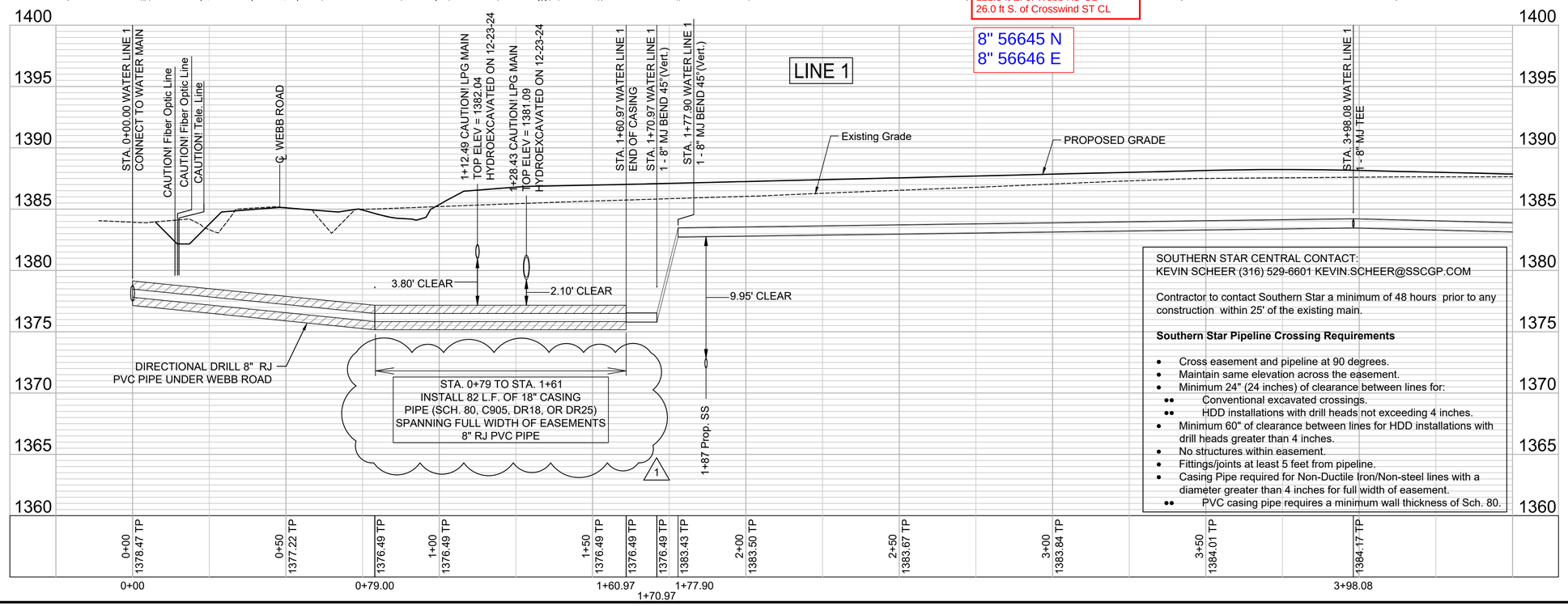
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET 6 / 46

WL-104

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

SECTION LINE
31.35'
66.00' SOUTHERN STAR GAS ESM'T.
60.00' R/W
54.00' RESERVE "I"
48.00' PIPELINE BUILDING SETBACK
46.96'
66.00' SOUTHERN STAR GAS ESM'T.
100.00' RAYTHEON EASEMENT
8+00
WEBB ROAD
7+00
PROPOSED 16" WATER MAIN (TIED TO THIS PROJECT)
TS
STA. 0+00.00 TO STA. 0+79.00
DIRECTIONAL DRILL 79.00 L.F.
8" RJ PVC
N 1670586.61E 1681244.35
STA. 0+00.00, WATER LINE 1 =
STA. 0+20.00, WATER MAIN =
STA. 7+21.09, WEBB ROAD, 48.00 LT
1-8" MJ GV ASSY.
VALVE BOX ELEV = EXISTING GROUND
CONNECT TO 16"x8"x16" MJ TEE (WATER MAIN)
8" MJ Gate Valve/Flowmaster
48.0 ft W. of Webb RD
25.5 ft S. of Crosswind ST
SOUTHERN STAR 12" LINE
SOUTHERN STAR 20" LINE
STA. 0+79.00 TO STA. 1+60.97
81.97 L.F. 8" RJ PVC
WITH 18" SCH. 80 PVC ENCASEMENT
PIPE ENTIRE WIDTH OF EASEMENT.
30' DRNG. & UTIL. ESMT.
36
2
8" MJ Bend 45-Degree/Sigma
122.8 ft E. of Webb RD CL
26.0 ft S. of Crosswind ST CL
N 1670588.02 E 1681415.31
STA. 1+70.97, WATER LINE 1 =
STA. 1+22.97 CROSSWIND ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)
6.93 L.F. 8" DICL
8" MJ Bend 45-Degree/Sigma
130.0 ft E. of Webb RD CL
26.0 ft S. of Crosswind ST CL
N 1670588.07 E 1681422.24
STA. 1+77.90, WATER LINE 1 =
STA. 1+29.90 CROSSWIND ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)
10.00 L.F. 8" DICL
LINE 1
PROP. SS
15' UTIL. ESMT.
6.00'
CROSSWIND ST
PROPOSED ASPHALT PAVEMENT
AIRMAN ST
PROPOSED ASPHALT PAVEMENT
58.00' R/W
29.00' Bk-Bk
15' UTIL. ESMT.
6.00'
N 1670615.70 E 1681619.20
CROSSWIND ST STA. 3+27.08 =
AIRMAN ST STA. 0+56.52
LINE 5
35.00' Bk-Bk
64.00' R/W
TS
220.18 L.F. 8" PVC
6.00'
15' UTIL. ESMT.
N 1670589.89 E 1681642.41
STA. 3+98.08, WATER LINE 1 =
STA. 3+50.08 CROSSWIND ST, 26.00' RT
1-8" MJ TEE
2-8" GATE VALVE ASS'Y (N,E)
VALVE BOX ELEV. 1388.16
35
34
33
8" MJ Gate Valve (N)/Flowmaster
122.8 ft E. of Webb RD CL
25.0 ft S. of Crosswind ST CL
8" MJ Gate Valve (E)/Flowmaster
123.8 ft E. of Crosswind ST CL
26.0 ft S. of Crosswind ST CL
8" MJ Tee/Sigma
122.8 ft E. of Webb RD CL
26.0 ft S. of Crosswind ST CL
8" 56645 N
8" 56646 E
Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.
N
0 10' 20' 40' 60'
(IN FEET)
5'
0
VERTICAL



SOUTHERN STAR CENTRAL CONTACT:
KEVIN SCHEER (316) 529-6601 KEVIN.SCHEER@SSCGP.COM

Contractor to contact Southern Star a minimum of 48 hours prior to any construction within 25' of the existing main.

Southern Star Pipeline Crossing Requirements

- Cross easement and pipeline at 90 degrees.
- Maintain same elevation across the easement.
- Minimum 24" (24 inches) of clearance between lines for:
  - Conventional excavated crossings.
  - HDD installations with drill heads not exceeding 4 inches.
- Minimum 60" of clearance between lines for HDD installations with drill heads greater than 4 inches.
- No structures within easement.
- Fittings/joints at least 5 feet from pipeline.
- Casing Pipe required for Non-Ductile Iron/Non-steel lines with a diameter greater than 4 inches for full width of easement.
  - PVC casing pipe requires a minimum wall thickness of Sch. 80.

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY
1	5/8/2025	ACCEPTED PIPE CASING CHANGE	DRS

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 1
(1 of 5)

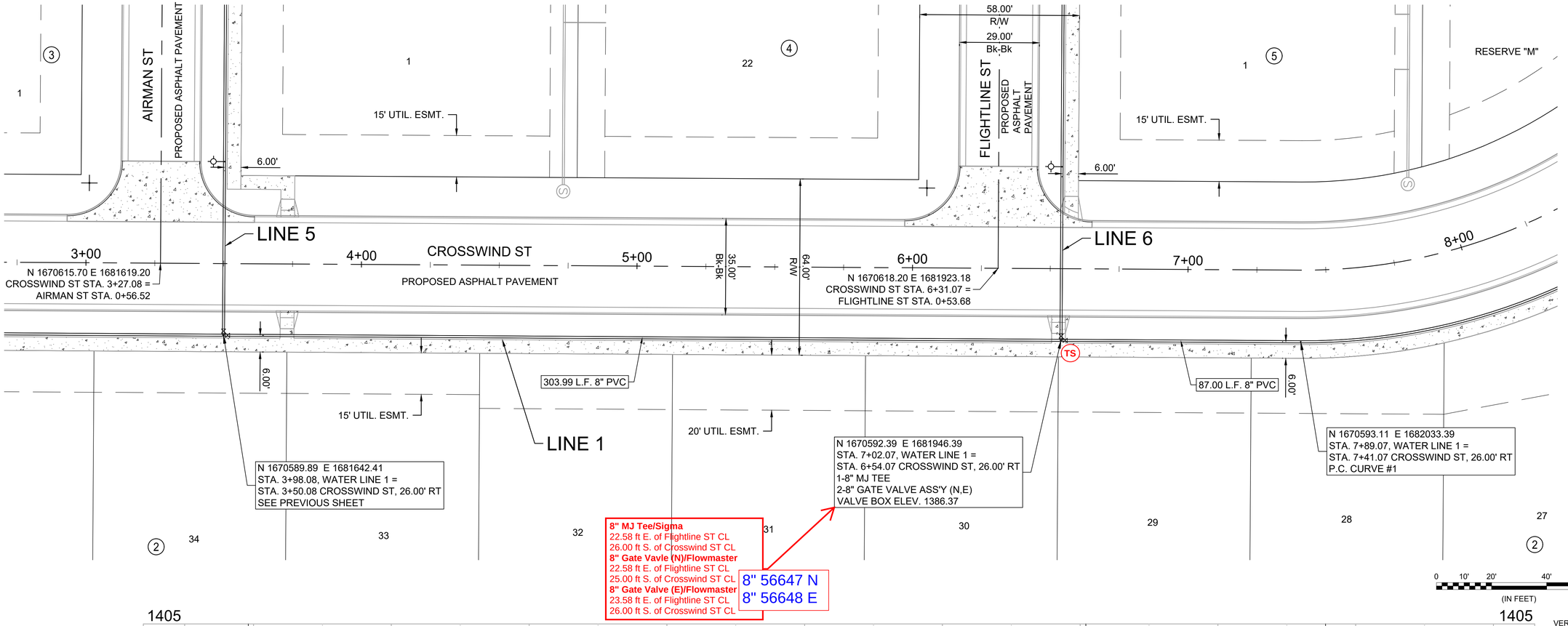
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

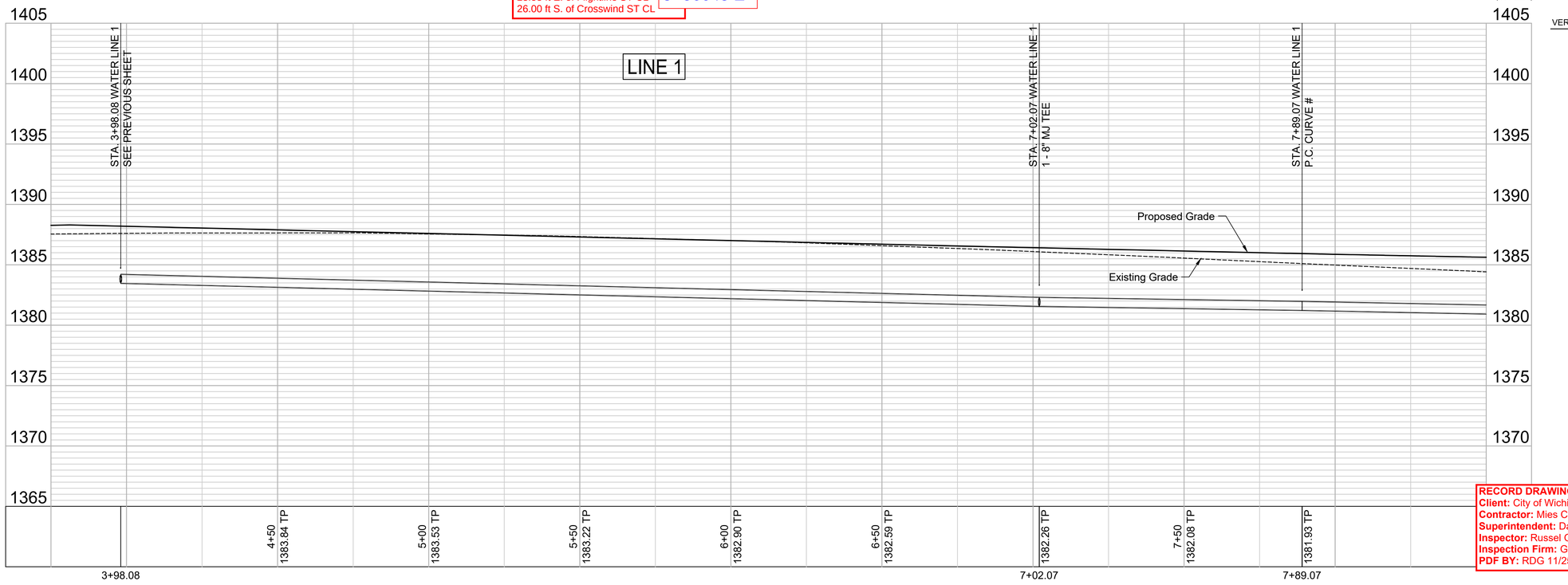
BAR IS ONE INCH ON ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

SHEET NUMBER 7 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 5/8/2025 2:27 PM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19144
12-31-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 1
(2 of 5)

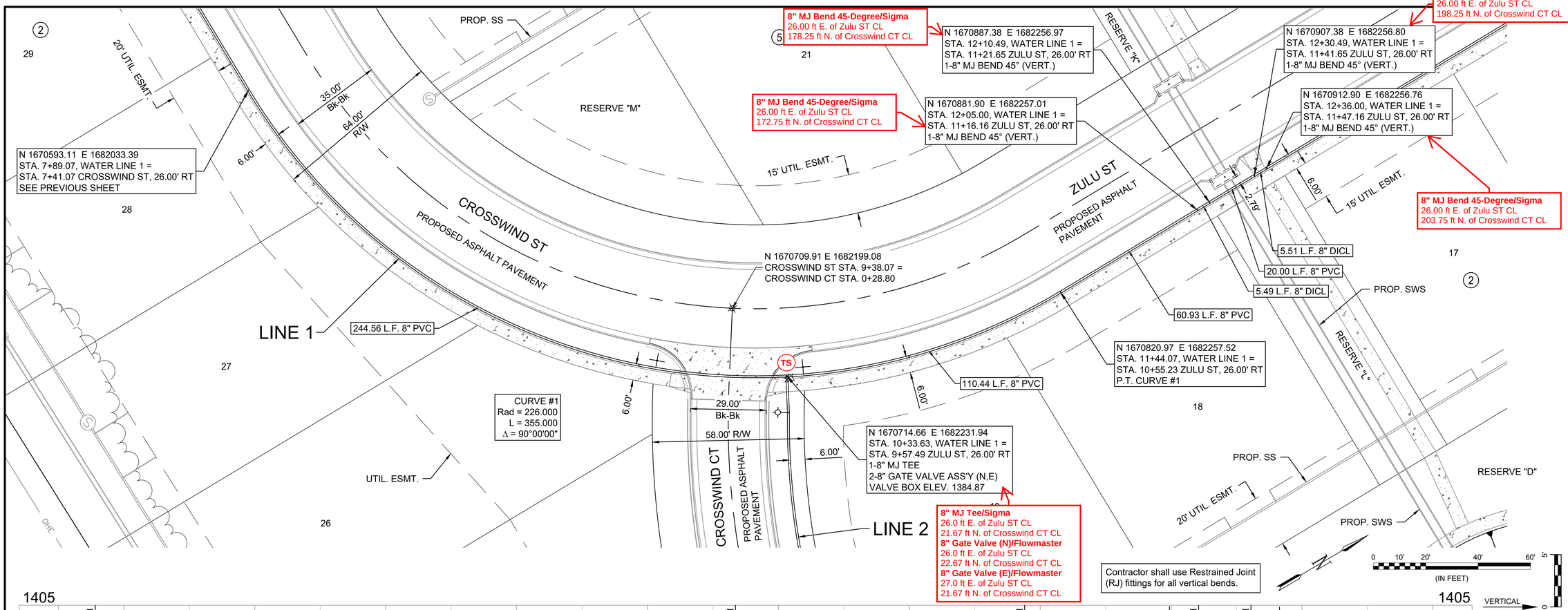
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

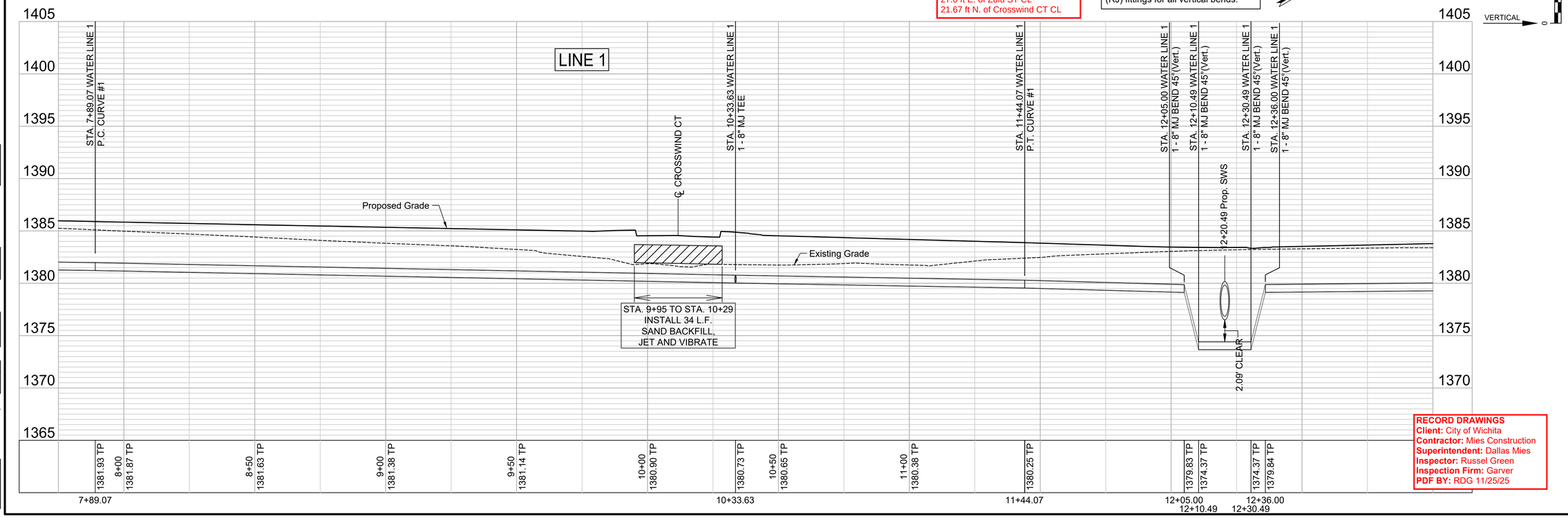
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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SHEET NUMBER 8 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 8:56 AM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 1
(3 of 5)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
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SHEET NUMBER 9 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 8:58 AM Plotter used: None

RESERVE "K"

15' UTIL. ESMT.

N 1671242.38 E 1682239.75
STA. 15+66.27, WATER LINE 1 =
STA. 14+73.87 ZULU ST, 26.00' RT
P.R.C. CURVES #2 & #3

RESERVE "G"

PROP. SS

56.03 L.F. 8" PVC

PROP. SWS

20.00 L.F. 8" PVC

5.35 L.F. 8" DICL

5.35 L.F. 8" DICL

35.00' Bk-Bk
64.00' R/W

ZULU ST

PROPOSED ASPHALT PAVEMENT

121.25 L.F. 8" PVC

108.93 L.F. 8" PVC

100.09 L.F. 8" PVC

TS

CURVE #3
Rad = 1232.368
L = 54.932
Δ = 2°33'14"

6.00'

LINE 1

6.00'

15' UTIL. ESMT.

8" MJ Bend 45-Degree/Sigma
26.18 ft E. of Zulu ST CL
ft N. of Crosswind CT CL

N 1671328.54 E 1682229.87
STA. 16+53.00, WATER LINE 1 =
STA. 15+61.95 ZULU ST, 26.18' RT
1-8" MJ BEND 45° (VERT.)

N 1670912.90 E 1682256.76
STA. 12+36.00, WATER LINE 1 =
STA. 11+47.16 ZULU ST, 26.00' RT
SEE PREVIOUS SHEET

RESERVE "L"

17

FH Assembly/Clow
17.00 ft E. of Zulu ST CL
433.67 ft N. of Crosswind CT CL
8" MJ Tee/Sigma
26.00 ft E. of Zulu ST CL
433.67 ft N. of Crosswind CT CL
6" Gate Valve/Flowmaster
25.00 ft W./E. of Zulu ST CL
433.67 ft N. of Crosswind CT CL

N 1671142.94 E 1682250.98
STA. 14+66.18, WATER LINE 1 =
STA. 13+75.48 ZULU ST, 26.00' RT
1-FIRE HYDRANT ASS'Y. (W)
L = 9'
BURY LINE ELEV. 1384.82
VALVE BOX ELEV. 1384.87

FH 17589
6" 56649

15

8" MJ Bend 45-Degree/Sigma
26.08 ft E. of Zulu ST CL
589.08 ft N. of Crosswind CT CL

N 1671297.97 E 1682232.77
STA. 16+22.30, WATER LINE 1 =
STA. 15+30.89 ZULU ST, 26.08' RT
1-8" MJ BEND 45° (VERT.)
P.T. CURVE #3

12

2

N 1671323.21 E 1682230.35
STA. 16+47.65, WATER LINE 1 =
STA. 15+56.59 ZULU ST, 26.16' RT
1-8" MJ BEND 45° (VERT.)

N 1671034.14 E 1682255.76
STA. 13+57.25, WATER LINE 1 =
STA. 12+68.41 ZULU ST, 26.00' RT
P.C. CURVE #2

CURVE #2
Rad = 1526.000
L = 209.019
Δ = 7°50'52"

14

13

N 1671303.30 E 1682232.27
STA. 16+27.65, WATER LINE 1 =
STA. 15+36.33 ZULU ST, 26.13' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
26.13 ft E. of Zulu ST CL
594.58 ft N. of Crosswind CT CL

RESERVE "H"

PROP. SWS

PROP. SS

8" MJ Bend 45-Degree/Sigma
26.16 ft E. of Zulu ST CL
ft N. of Crosswind CT CL

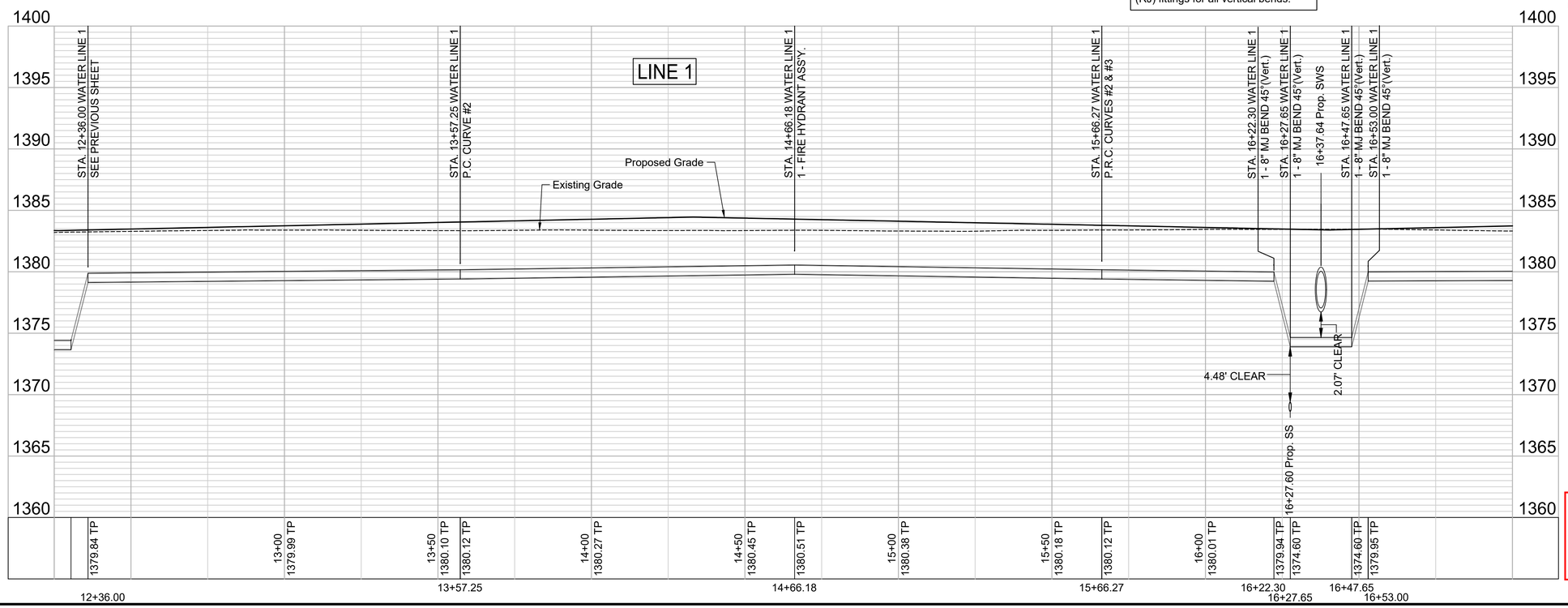
2

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.

N

0 10' 20' 40' 60'
(IN FEET)

VERTICAL 0 5'



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 1
(4 of 5)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 10 OF 46

15 14 13 12 (5)

RESERVE "G"

15' UTIL. ESMT.

35.00' Bk-Bk

64.00' R/W

ZULU ST

PROPOSED ASPHALT PAVEMENT

140.18 L.F. 8" PVC

131.79 L.F. 8" PVC

6.00'

15' UTIL. ESMT.

LINE 1

N 1671328.54 E 1682229.87
STA. 16+53.00, WATER LINE 1 =
STA. 15+61.95 ZULU ST, 26.18' RT
SEE PREVIOUS SHEET

N 1671468.09 E 1682216.60
STA. 17+93.18, WATER LINE 1 =
STA. 17+02.13 ZULU ST, 26.00' RT
P.C. CURVE #4

N 1671591.49 E 1682174.03
STA. 19+24.97, WATER LINE 1 =
STA. 18+21.50 ZULU ST, 26.00' RT
1-FIRE HYDRANT ASS'Y. (W)
L = 4'
BURY LINE ELEV. 1384.73
VALVE BOX ELEV. 1384.78
P.T. CURVE #4

CURVE #4
Rad = 276.000
L = 131.785
Δ = 27°21'28"

FH 17590
6" 56650

FH Assembly/Clow
22.00 ft E. of Zulu ST CL
433.67 ft N. of Gobel ST CL
8" MJ Tee/Sigma
26.00 ft E. of Zulu ST CL
433.67 ft N. of Gobel ST CL
6" Gate Valve/Flowmaster
25.00 ft W./E. of Zulu ST CL
433.67 ft N. of Gobel ST CL

13.78 L.F. 8" PVC

N 1671602.95 E 1682166.38
STA. 19+38.75, WATER LINE 1 =
STA. 18+34.64 ZULU ST, 26.01' RT
1-8" MJ TEE
2-8" GATE VALVE ASS'Y (N,E)
VALVE BOX ELEV. 1384.53

49.72 L.F. 8" PVC

LINE 4

13 (2) 12 11 9 (2)

PROP. SS

RESERVE "H"

PROP. SWS

35.00' Bk-Bk

64.00' R/W

LINE 3

N 1671607.17 E 1682132.10
ZULU ST STA. 18+57.36 =
CREED ST - GOBEL ST STA. 8+56.98

41 (6)

CREED ST

6.00'

15' UTIL. ESMT.

N 1671642.80 E 1682136.65
STA. 19+88.46, WATER LINE 1 =
STA. 8+84.26 GOBEL ST, 25.32' LT
CONNECT TO 8" MJ BEND 90° (LINE 3)
STA. 9+13.51, WATER LINE 3 =

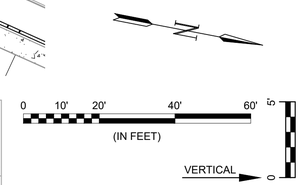
8" MJ Bend 90-Degree/Sigma
25.32 ft W. of Gobel ST CL
25.00 ft N. of Zulu ST CL

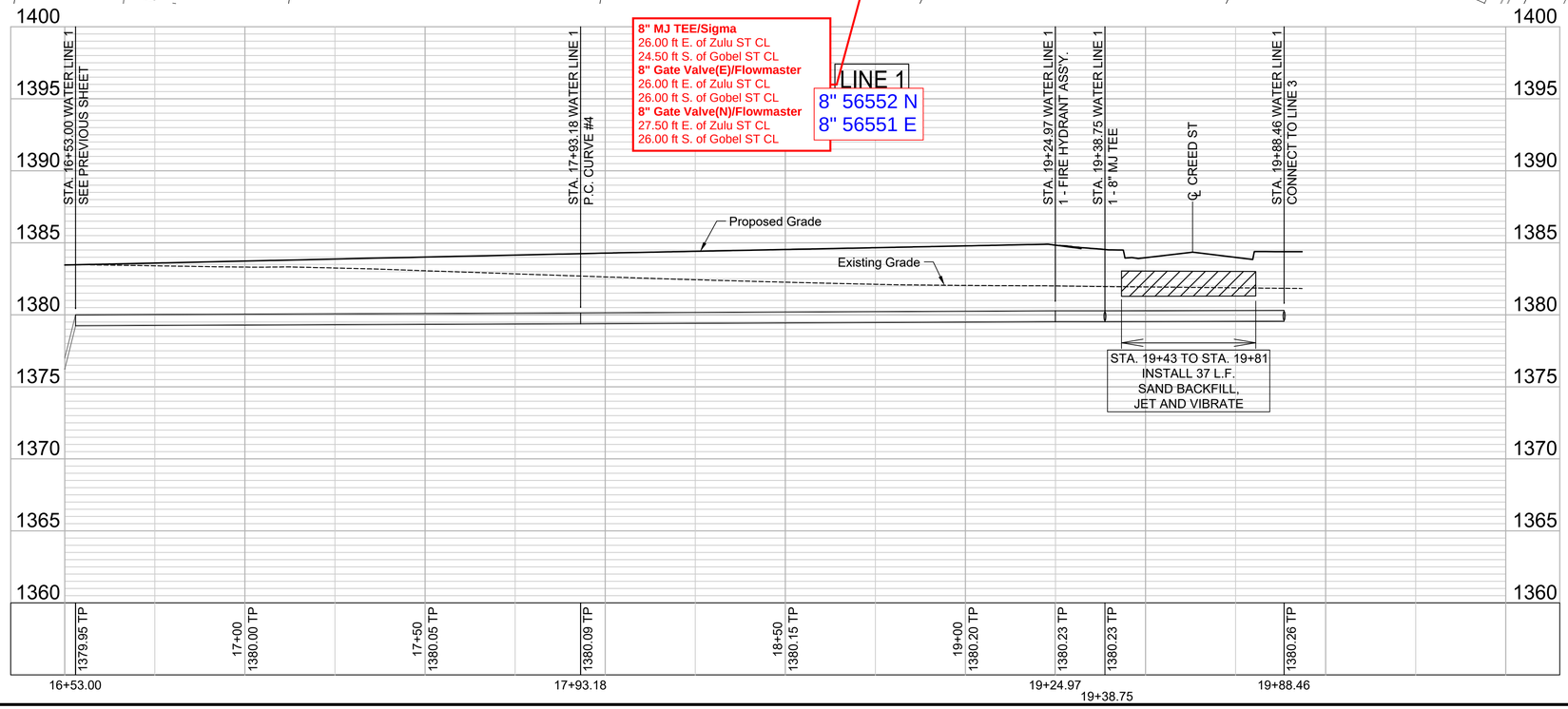
TS

GOBEL ST

PROPOSED ASPHALT PAVEMENT

N





8" MJ TEE/Sigma
26.00 ft E. of Zulu ST CL
24.50 ft S. of Gobel ST CL
8" Gate Valve(E)/Flowmaster
26.00 ft E. of Zulu ST CL
26.00 ft S. of Gobel ST CL
8" Gate Valve(N)/Flowmaster
27.50 ft E. of Zulu ST CL
26.00 ft S. of Gobel ST CL

LINE 1
8" 56552 N
8" 56551 E

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 1
(5 of 5)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
■

SHEET NUMBER 11 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 1-5.dwg Last Save: 1/15/2025 5:05 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 8:59 AM Plotter used: None

FH 17591
6" 56654

FH Assembly/Clow
39.5 ft E. of Zulu ST CL
19.5 ft N. of Crosswind CT CL
Valve = 3' N. of FH
6" Gate Valve Assembly/Flowmaster
39.5 ft E. of Zulu ST CL
26.0 ft N. of Crosswind CT CL
8"x6" MJ Tee
23.0 ft N. of Crosswind CT CL
39.5 ft E. of Zulu ST CL

8" MJ Gate Valve/Flowmaster
24.75' ft E. of Zulu ST CL
23.0 ft N. of Crosswind CT CL

8" 56653

N 1670714.66 E 1682231.94
STA. 0+00.00, WATER LINE 2 =
STA. 0+53.74 CROSSWIND CT, 21.92' LT
CONNECT TO 8" MJ GATE VALVE (LINE 1)
STA. 10+33.63, WATER LINE 1 =

ZULU ST
10+00
0+29
CROSSWIND ST
9+00
PROPOSED ASPHALT PAVEMENT
LINE 1

14.00 L.F. 8" PVC

N 1670708.06 E 1682244.29
STA. 0+14.00, WATER LINE 2 =
STA. 0+68.41 CROSSWIND CT, 23.00' LT
1-FIRE HYDRANT ASS'Y. (S)
L = 4'
BURY LINE ELEV. 1385.02
VALVE BOX ELEV. 1385.07
P.C. CURVE #5
DEFLECT 2° RIGHT

TS
TS
6.00'
LINE 2

CURVE #5
Rad = 277.000
L = 152.521
Δ = 31°32'53"

152.52 L.F. 8" PVC

1+00
2+00
3+00
4+00
4+50
CROSSWIND CT
PROPOSED ASPHALT PAVEMENT

N 1670667.77 E 1682389.40
STA. 1+66.52, WATER LINE 2 =
STA. 2+33.60 CROSSWIND CT, 23.00' LT
P.T. CURVE #5

8" MJ Bend 45-Degree/Sigma
341.3 ft E. of Zulu ST CL
39.8 ft N. of Crosswind CT CL

20' DRNG. & UTIL. ESMT.

8" MJ Bend 45-Degree/Sigma
326.0 ft E. of Zulu ST CL
23.0 ft N. of Crosswind CT CL

N 1670685.25 E 1682539.45
STA. 3+23.56, WATER LINE 2 =
STA. 3+83.72 CROSSWIND CT, 39.80' LT
1-8" MJ BEND 45°

32.91 L.F. 8" PVC

23.87 L.F. 8" PVC

N 1670668.37 E 1682522.58
STA. 2+99.70, WATER LINE 2 =
STA. 3+66.77 CROSSWIND CT, 23.00' LT
1-8" MJ BEND 45°

15' UTIL. ESMT.
133.18 L.F. 8" PVC
6.00'
23.00'
58.00'

8" MJ Bend 45-Degree/Sigma
374.2 ft E. of Zulu ST CL
39.7 ft N. of Crosswind CT CL

N 1670685.25 E 1682572.36
STA. 3+56.47, WATER LINE 2 =
STA. 4+16.63 CROSSWIND CT, 39.65' LT
1-8" MJ BEND 45°

2" Blowoff Valve
391.75 ft E. of Zulu ST CL
23.4 ft N. of Crosswind CT CL

2" BO 54869

22.96 L.F. 8" PVC

N 1670669.01 E 1682588.60
STA. 3+79.43, WATER LINE 2 =
STA. 4+32.79 CROSSWIND CT, 23.35' LT
1 - 2" BLOWOFF ASS'Y.
VALVE BOX ELEV. 1383.68

1" Water Service Line tapped into 8" PVC.

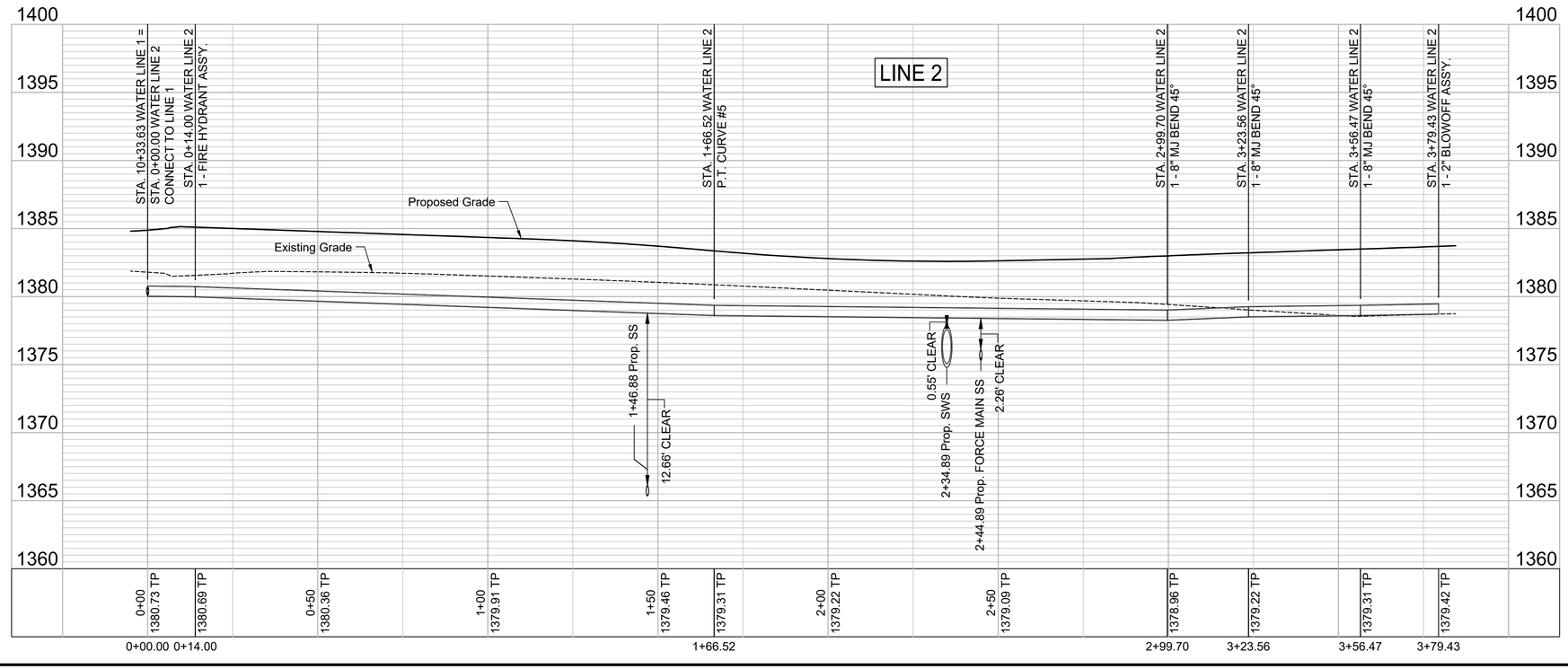
Water Meter placed approximately 5' NE of 8" Water Line. 1" Water Service Line placed approximately 5.5' deep.

PROPOSED WATER SERVICE LINE FOR SS LIFT STATION PROJECT (BY OTHERS)

PROP. SS
UTIL. ESMT.
20' UTIL. ESMT.
RESERVE "O"
PROP. FORCE MAIN
PROP. SWS
LIFT STATION DRIVE

19 20 21 22 23 24 25 26 27

N
0 10' 20' 40' 60'
(IN FEET)
VERTICAL



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19744
2-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 2

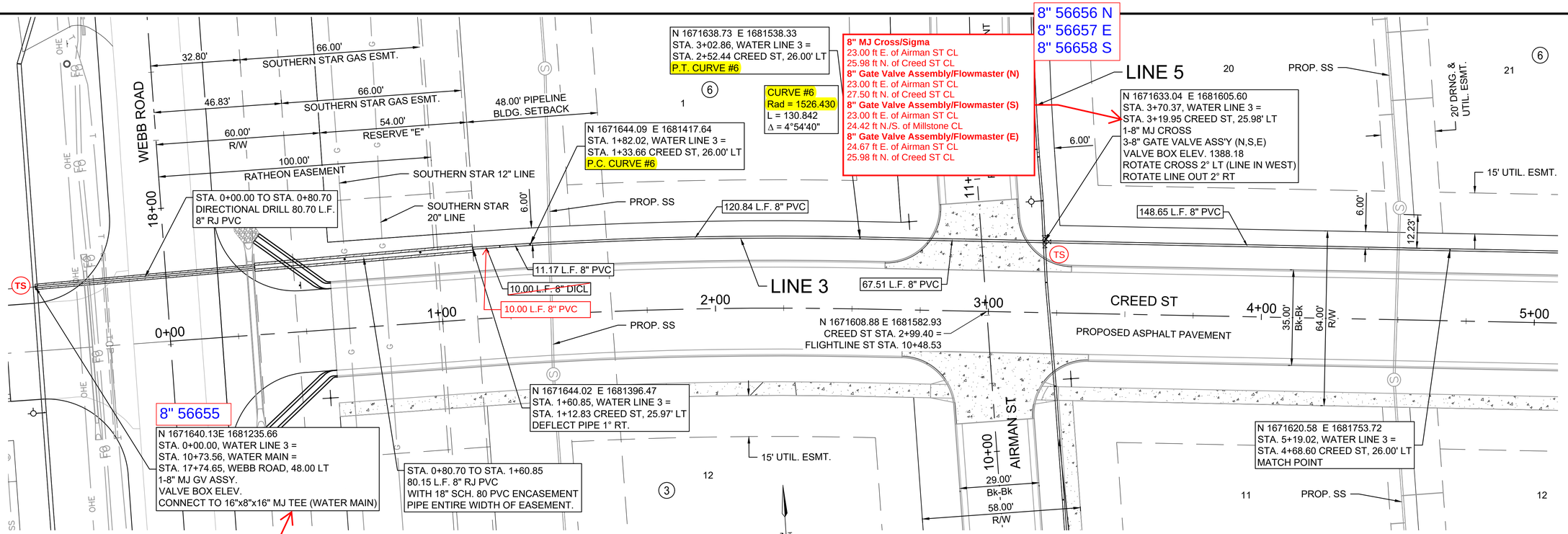
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

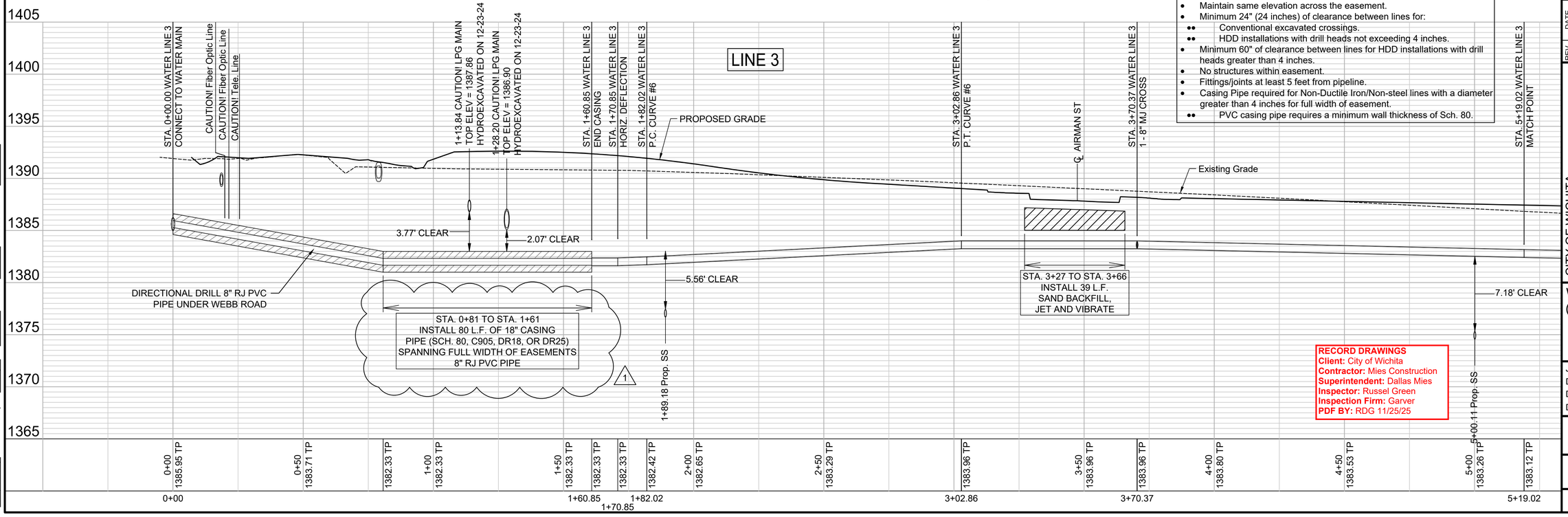
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DRAWING NUMBER

SHEET NUMBER 12 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2026 8:59 AM Plotter used: None





Contractor to contact Southern Star a minimum of 48 hours prior to any construction within 25' of the existing main.

Southern Star Pipeline Crossing Requirements

- Cross easement and pipeline at 90 degrees.
- Maintain same elevation across the easement.
- Minimum 24" (24 inches) of clearance between lines for:
  - Conventional excavated crossings.
  - HDD installations with drill heads not exceeding 4 inches.
- Minimum 60" of clearance between lines for HDD installations with drill heads greater than 4 inches.
- No structures within easement.
- Fittings/joints at least 5 feet from pipeline.
- Casing Pipe required for Non-Ductile Iron/Non-steel lines with a diameter greater than 4 inches for full width of easement.
  - PVC casing pipe requires a minimum wall thickness of Sch. 80.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOETZNER
LICENSED
19144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY
1	5/8/2025	ACCEPTED PIPE CASING CHANGE	DRS

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 3
(1 of 2)

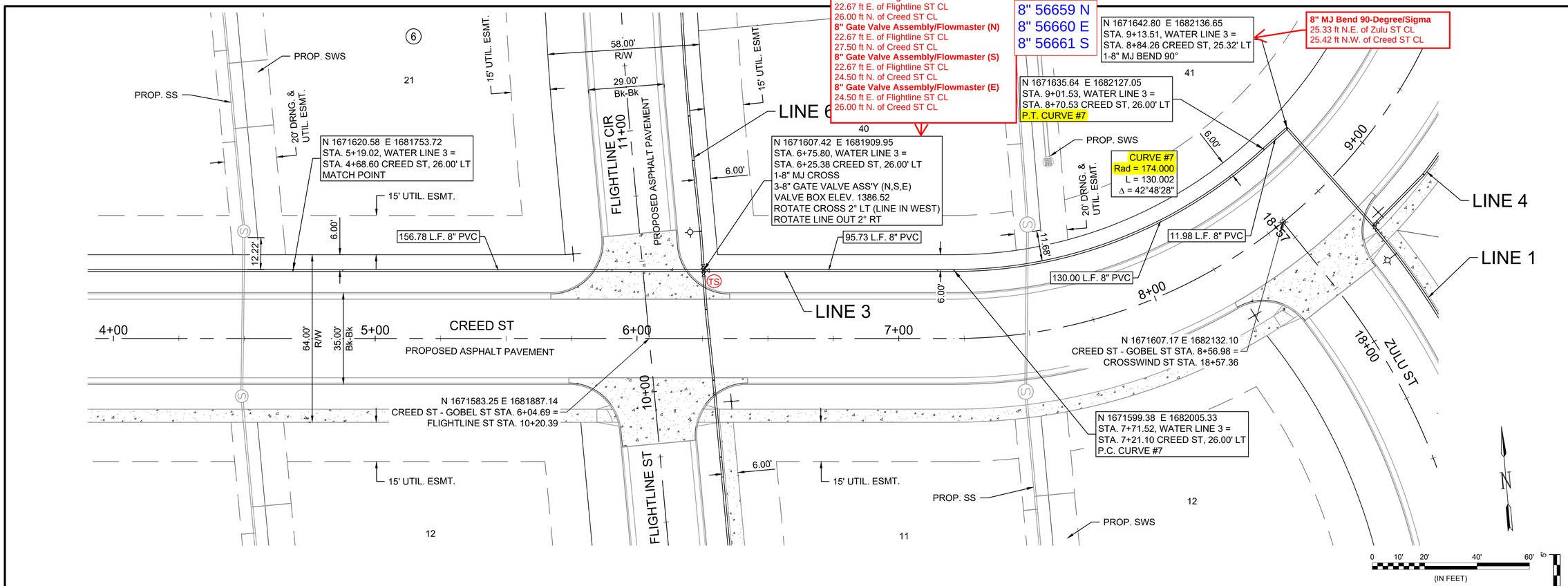
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

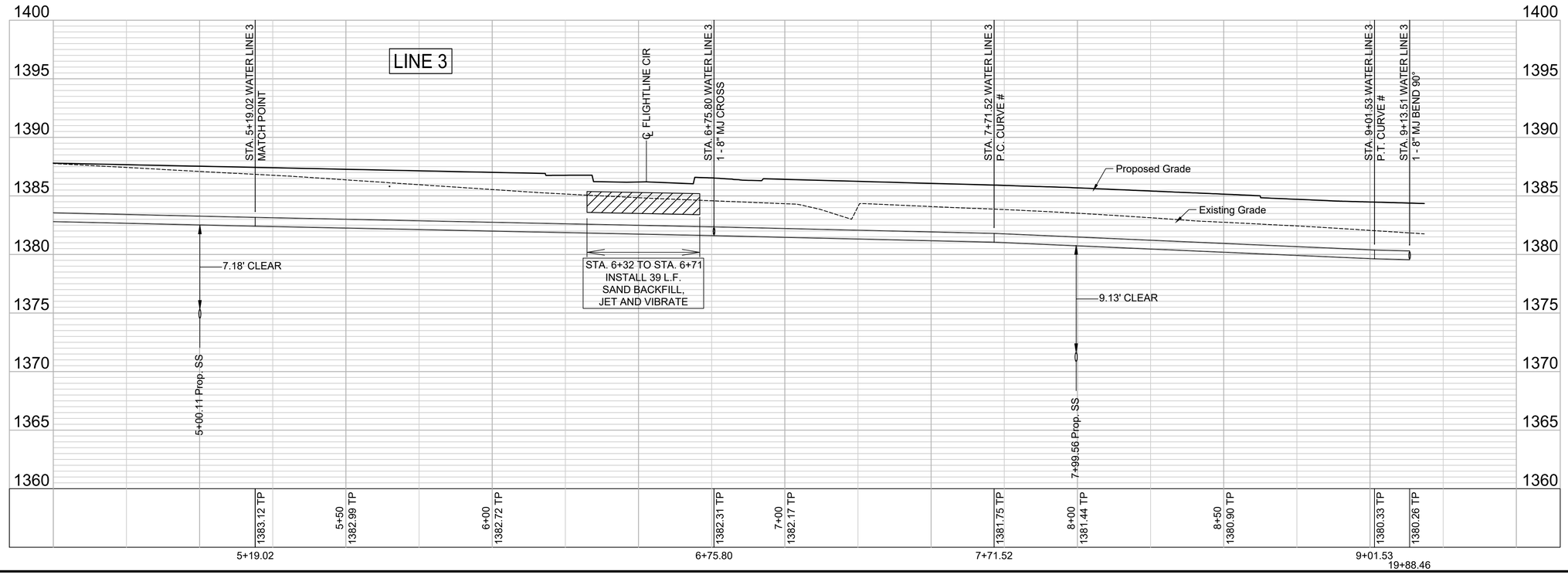
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DRAWING NUMBER

SHEET NUMBER 13 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: --- Plot Scale: 1:2.5849 Plot Date: 5/8/2025 2:27 PM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19744
2-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 3 (2 of 2)

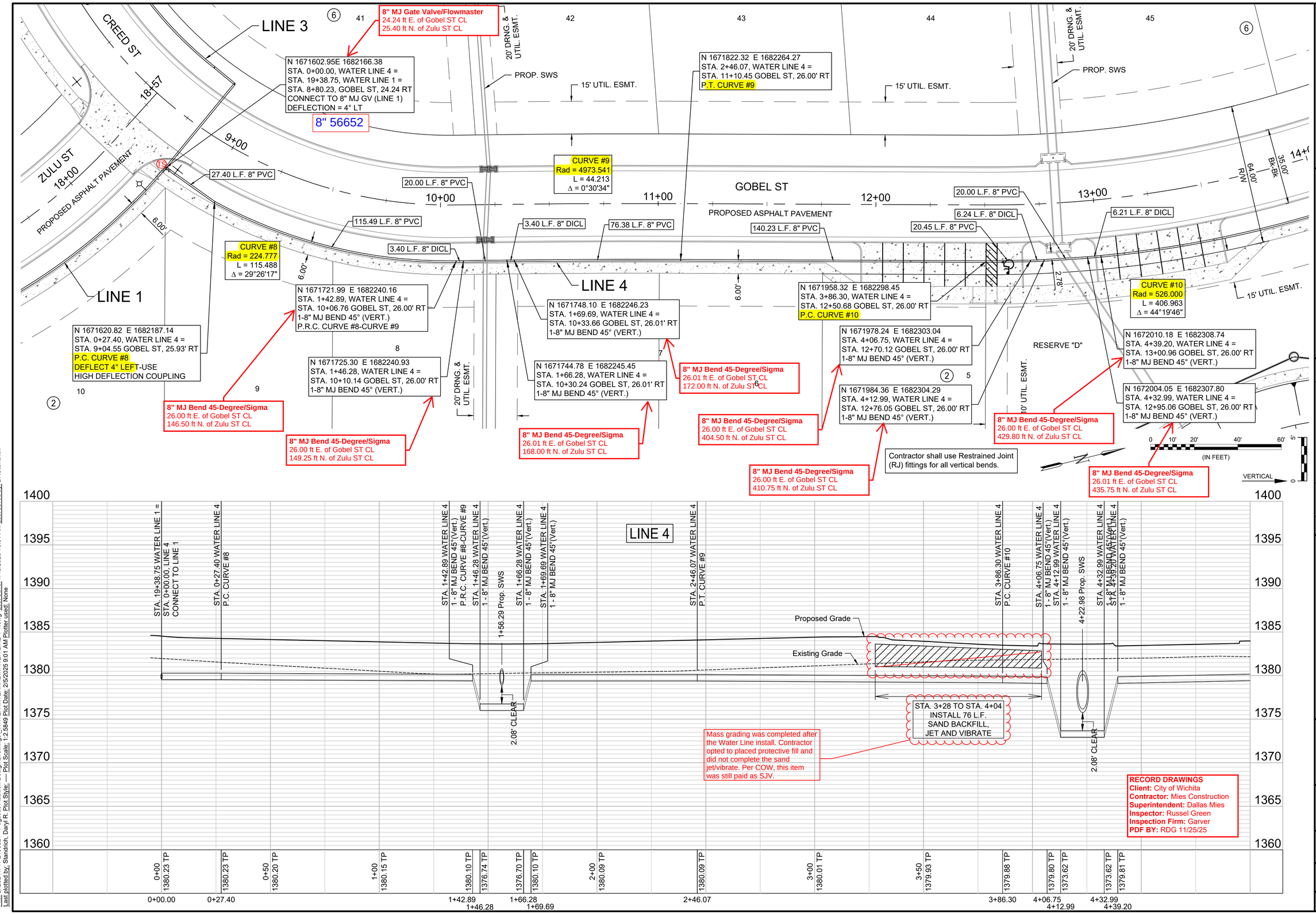
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DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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SHEET NUMBER 14 OF 46

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(316) 264-8008

ERIC JOHN GLOETZNER
LICENSED
19744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 4
(1 of 4)

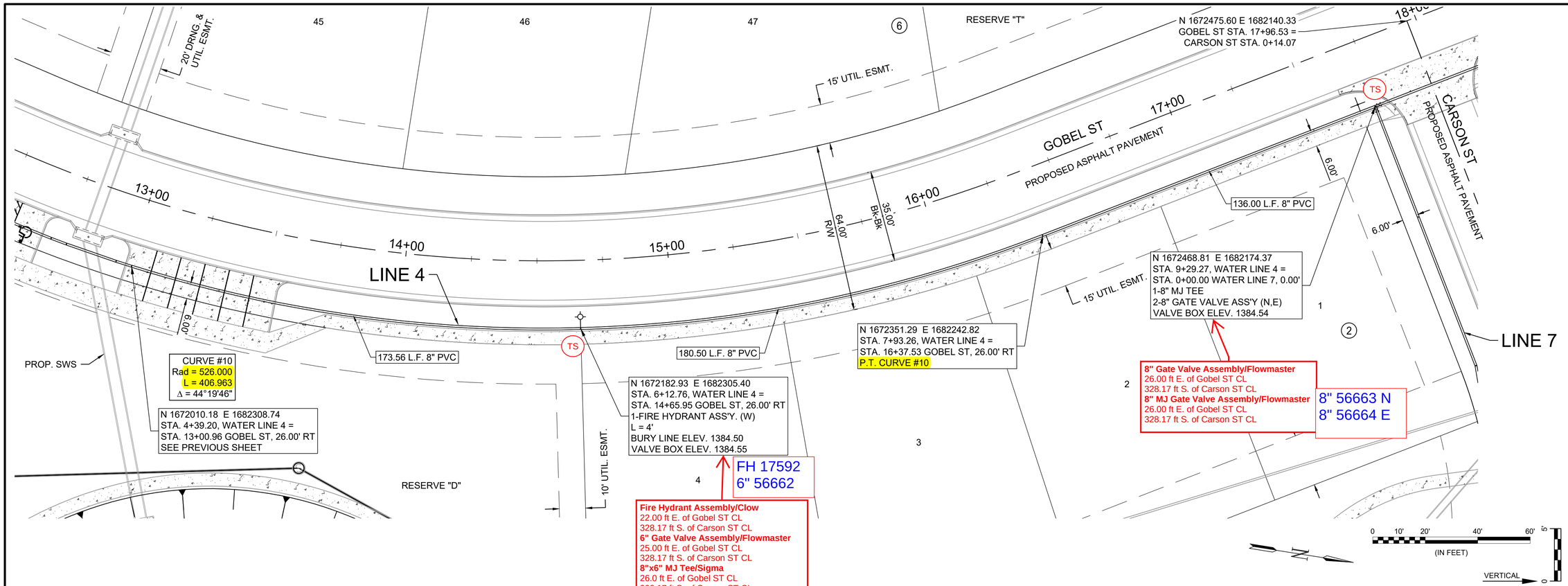
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

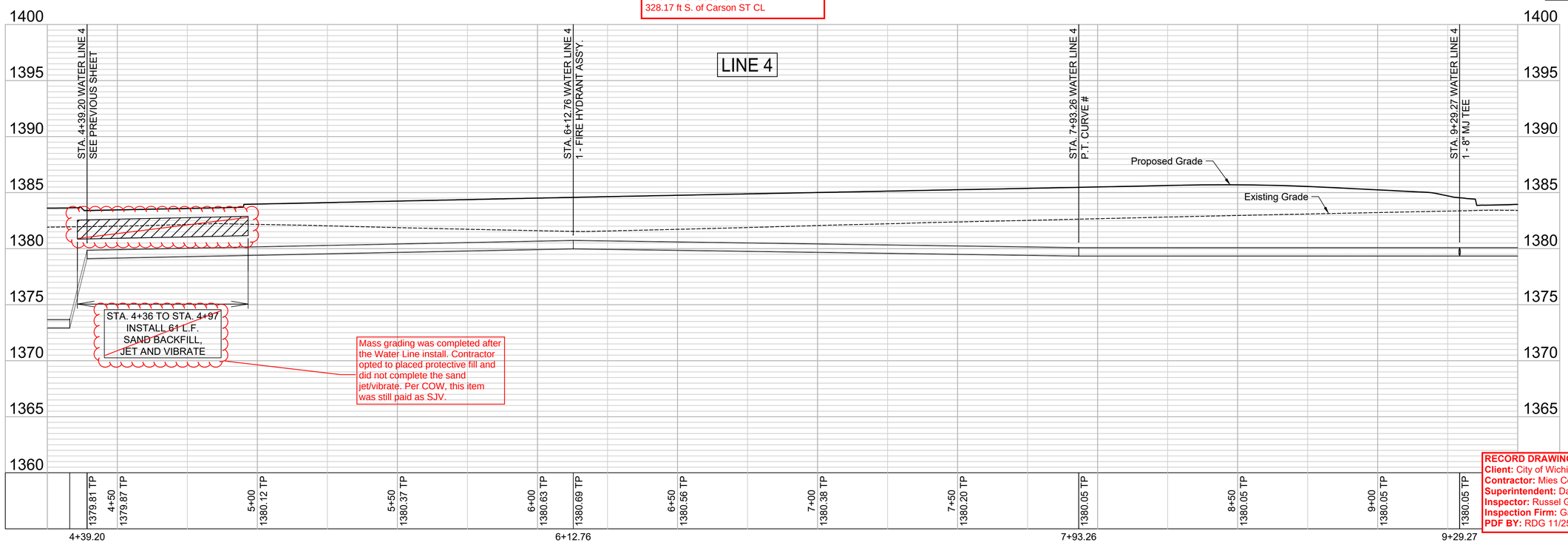
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SHEET NUMBER 15 OF 46

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Last plotted by: Slandrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:01 AM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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ERIC JOHN GLOVER
LICENSED
19744
12-4-25
KANSAS
PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 4
(2 of 4)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

SHEET NUMBER 16 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 4-2.dwg Last Save: 1/16/2025 10:36 AM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:02 AM Plotter used: None

8" Gate Valve Assembly (N)/Flowmaster
26.00 ft E. of Gobel ST CL
24.50 ft N. of Gobel CT CL
8" Gate Valve Assembly (W)/Flowmaster
25.00 ft E. of Gobel ST CL
23.00 ft N. of Gobel CT CL
8" MJ Tee/Sigma
26.00 ft E. of Gobel ST CL
23.00 ft N. of Gobel CT CL

8" 56666 N
8" 56665 W

N 1672583.88 E 1682132.49
STA. 10+54.08, WATER LINE 4 =
STA. 19+11.93 GOBEL ST, 26.00' RT
1-8" MJ TEE
2-8" GATE VALVE ASS'Y (N,W)
VALVE BOX ELEV. 1384.65

N 1672654.90 E 1682131.91
STA. 11+25.10, WATER LINE 4 =
STA. 19+82.95 GOBEL ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
94.75 ft N. of Gobel CT CL

N 1672659.47 E 1682131.87
STA. 11+29.67, WATER LINE 4 =
STA. 19+87.52 GOBEL ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
97.50 ft N. of Gobel CT CL

Note: All measurement callouts are from the intersection of Gobel ST and Gobel CT (near 9+00).

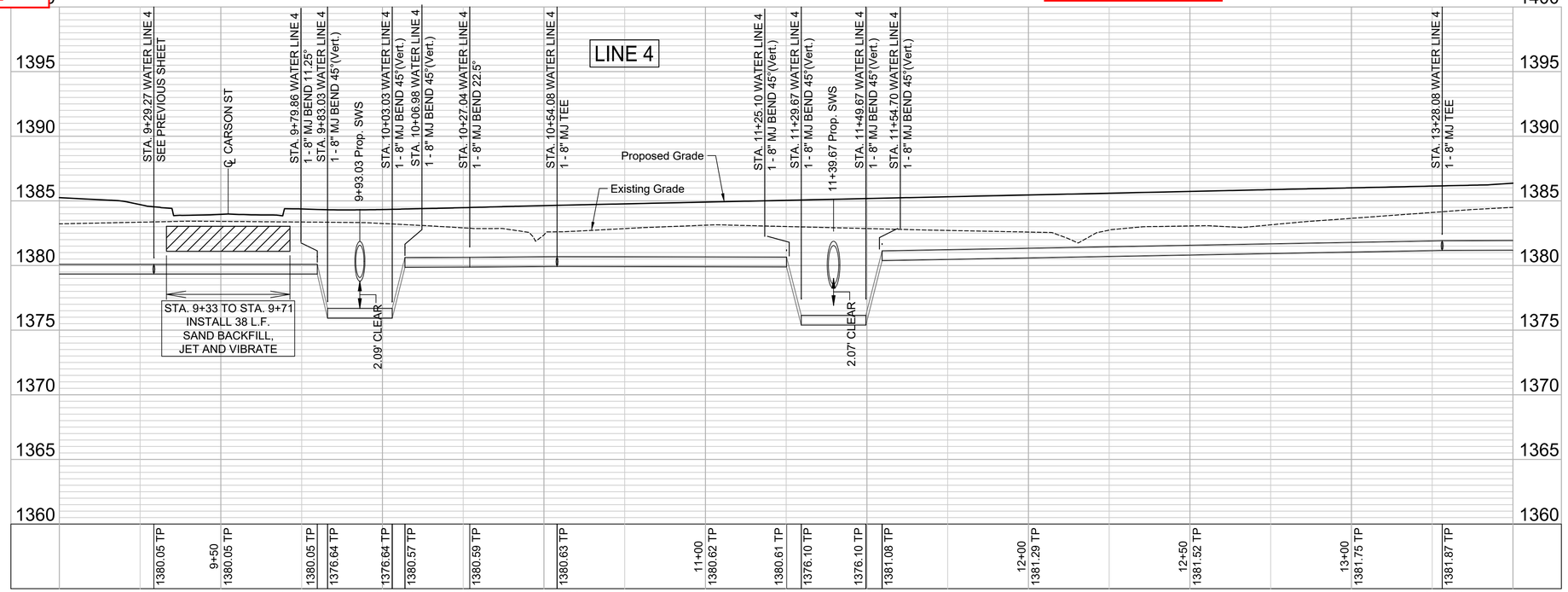
PROP. SS
RESERVE "T"
15' UTIL. ESMT.
N 1672560.67 E 1682107
GOBEL ST STA. 18+88.9
GOBEL CT SOUTH STA. 15+50.00
LINE 9
GOBEL CT
15+50
19+00
N 1672475.60 E 1682140.33
GOBEL ST STA. 17+96.53 =
CARSON ST STA. 0+14.07
18+00
PROP. SWS
3.95 L.F. 8" DICL
20.06 L.F. 8" PVC
71.02 L.F. 8" PVC
3.17 L.F. 8" DICL
50.60 L.F. 8" PVC
LINE 4
20+00
GOBEL ST
17+00
64.00' R/W
35.00' Bk-Bk
PROPOSED ASPHALT PAVEMENT
6.00'
TS
27.03 L.F. 8" PVC
4.57 L.F. 8" DICL
20.00 L.F. 8" PVC
N 1672834.66 E 1682104.42
GOBEL ST STA. 21+62.93 =
GOBEL CT NORTH STA. 7+50.00
21+00
7+00
7+50
173.38 L.F. 8" PVC
LINE 10
15' UTIL. ESMT.

8" MJ Bend 45-Degree/Sigma
25.18 ft E. of Cobblestone CL
12.33 ft S. of Gobel CT CL

RESERVE "T"
PROP. SWS
10' UTIL. ESMT. (BY SEP. INST.)
N 1672556.85 E 1682132.72
STA. 10+27.04, WATER LINE 4 =
STA. 18+81.87 GOBEL ST, 25.18' RT
1-8" MJ BEND 22.5° (DEFLECT 19°36')
N 1672468.81 E 1682174.37
STA. 9+29.27, WATER LINE 4 =
STA. 17+73.53 GOBEL ST, 26.00' RT
SEE PREVIOUS SHEET
20.00 L.F. 8" PVC
11+00
29.0
Bk
8" MJ Bend 45-Degree/Sigma
27.91 ft E. of Cobblestone CL
34.17 ft S. of Gobel CT CL
N 1672538.00 E 1682139.60
STA. 10+06.98, WATER LINE 4 =
STA. 18+57.34 GOBEL ST, 27.91' RT
1-8" MJ BEND 45° (VERT.)
N 1672512.53 E 1682148.91
STA. 9+79.86, WATER LINE 4 =
STA. 18+24.12 GOBEL ST, 26.00' RT
1-8" MJ BEND 11.25° (DEFLECT 10°9')
1-8" PExMJ BEND 45°(VERT.)
5
4
N 1672684.50 E 1682131.66
STA. 11+54.70, WATER LINE 4 =
STA. 20+12.55 GOBEL ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)
8" MJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
121.50 ft N. of Gobel CT CL
5.03 L.F. 8" DICL
N 1672679.47 E 1682131.70
STA. 11+49.67, WATER LINE 4 =
STA. 20+07.52 GOBEL ST, 26.00' RT
1-8" MJ BEND 45° (VERT.)
8" MJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
117.00 ft N. of Gobel CT CL
3
3
N 1672857.87 E 1682130.23
STA. 13+28.08, WATER LINE 4 =
STA. 21+85.93 GOBEL ST, 26.00' RT
1-8" MJ TEE
2-8" GATE VALVE ASS'Y (N,W)
VALVE BOX ELEV. 1386.16
2
1
58.00' R/W
29'
29'
CARSON ST
LINE 7
N 1672515.51 E 1682147.82
STA. 9+83.03, WATER LINE 4 =
STA. 18+27.64 GOBEL ST, 26.55' RT
1-8" MJ BEND 45° (VERT.)
N 1672534.29 E 1682140.96
STA. 10+03.03, WATER LINE 4 =
STA. 18+52.41 GOBEL ST, 28.03' RT
1-8" MJ BEND 45° (VERT.)
8" MJ Bend 45-Degree/Sigma
28.03 ft E. of Gobel ST CL
37.17 ft S. of Gobel CT CL
8" MJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
297.08 ft N. of Gobel CT CL
8" MJ Bend 11.25-Degree/Sigma
8" PExMJ Bend 45-Degree/Sigma
26.00 ft E. of Gobel ST CL
63.50 ft S. of Gobel CT CL
2
8" MJ Bend 45-Degree/Sigma
26.55 ft E. of Gobel ST CL
60.00 ft S. of Gobel CT CL
0
1400

0 10' 20' 40' 60'
(IN FEET)
VERTICAL 0 5

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 4
(3 of 4)

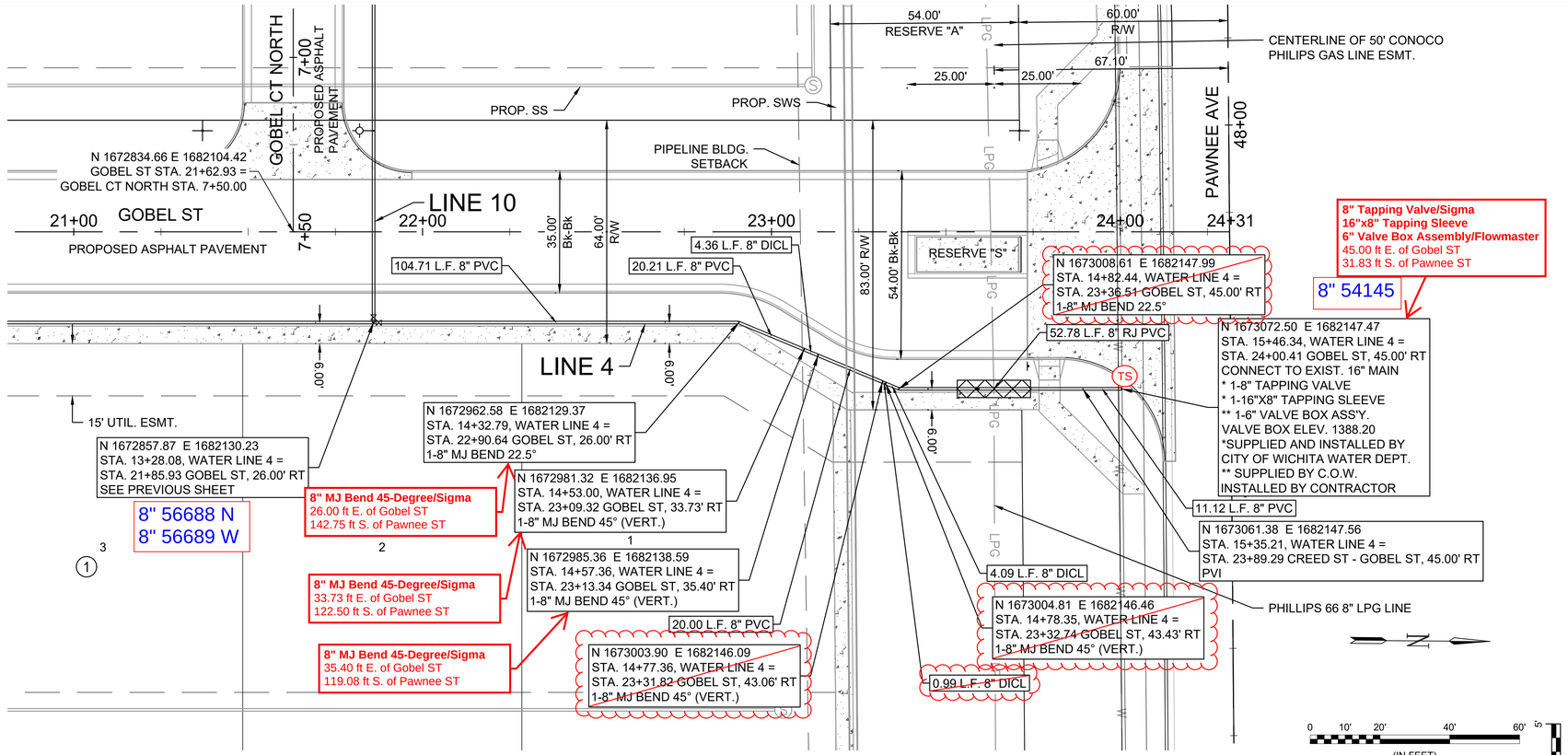
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

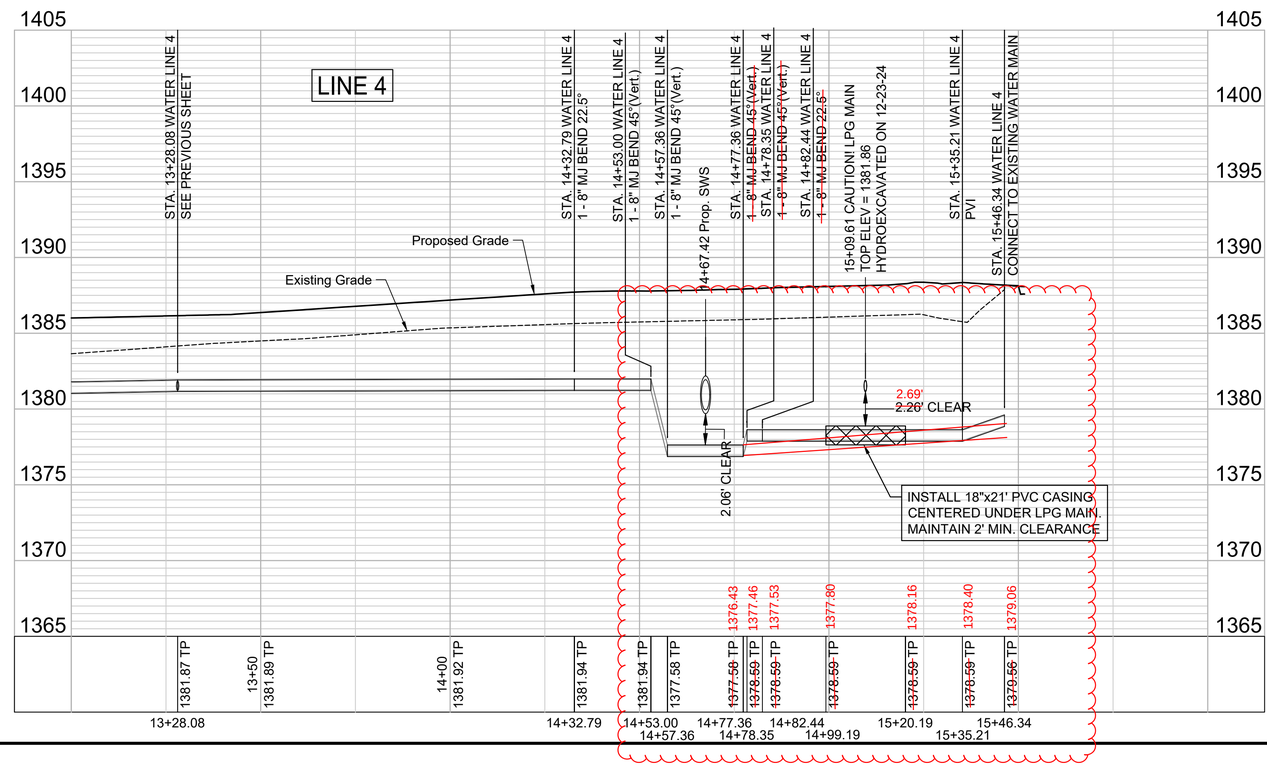
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
■

SHEET NUMBER 17 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:03 AM Plotter used: None





Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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ERIC JOHN GLOVER
LICENSED
16144
12-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 4
(4 of 4)

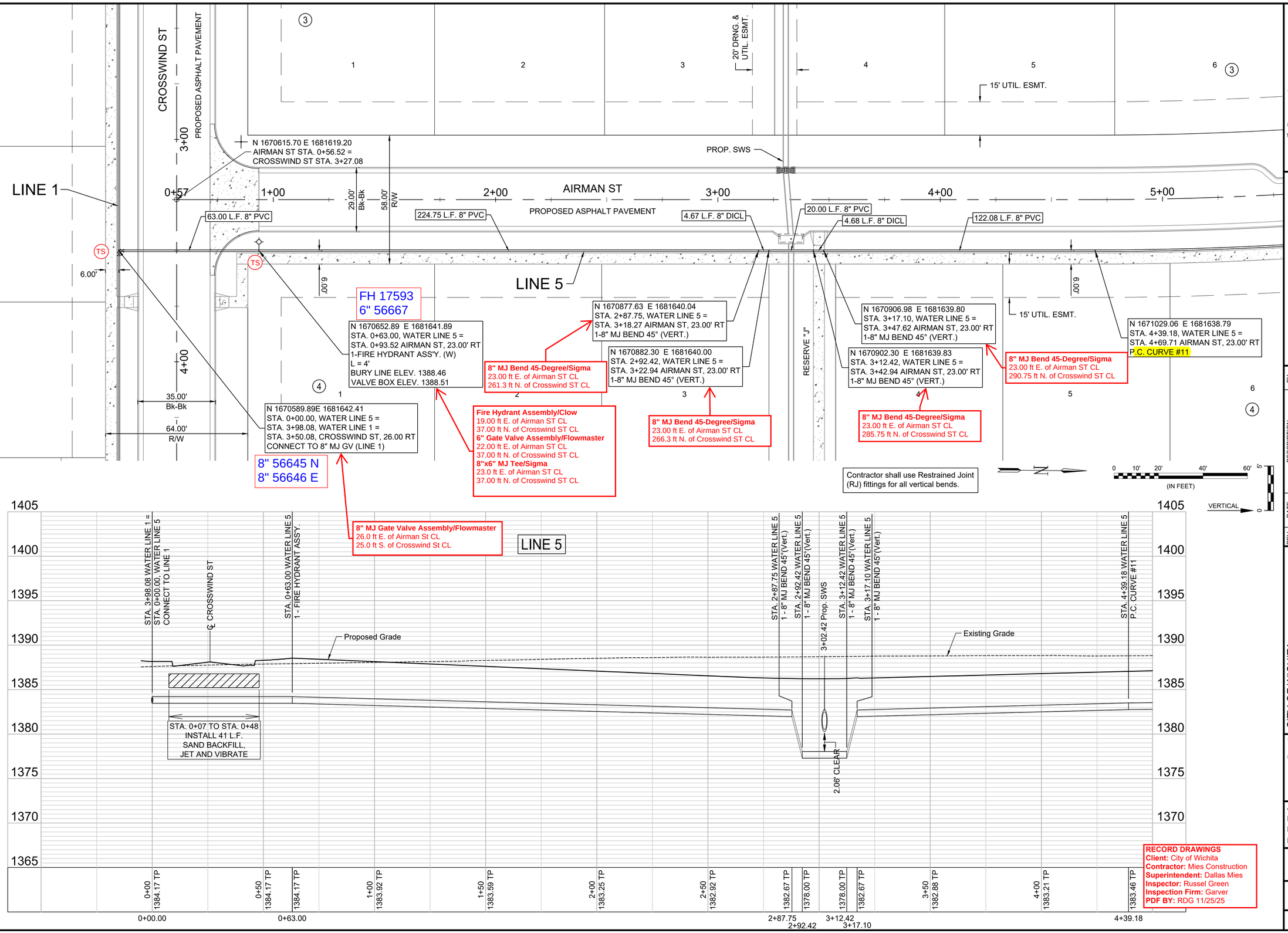
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
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DRAWING NUMBER

SHEET NUMBER 18 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:04 AM Plotter used: None



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ERIC JOHN GLOVER
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16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 5
(1 of 4)

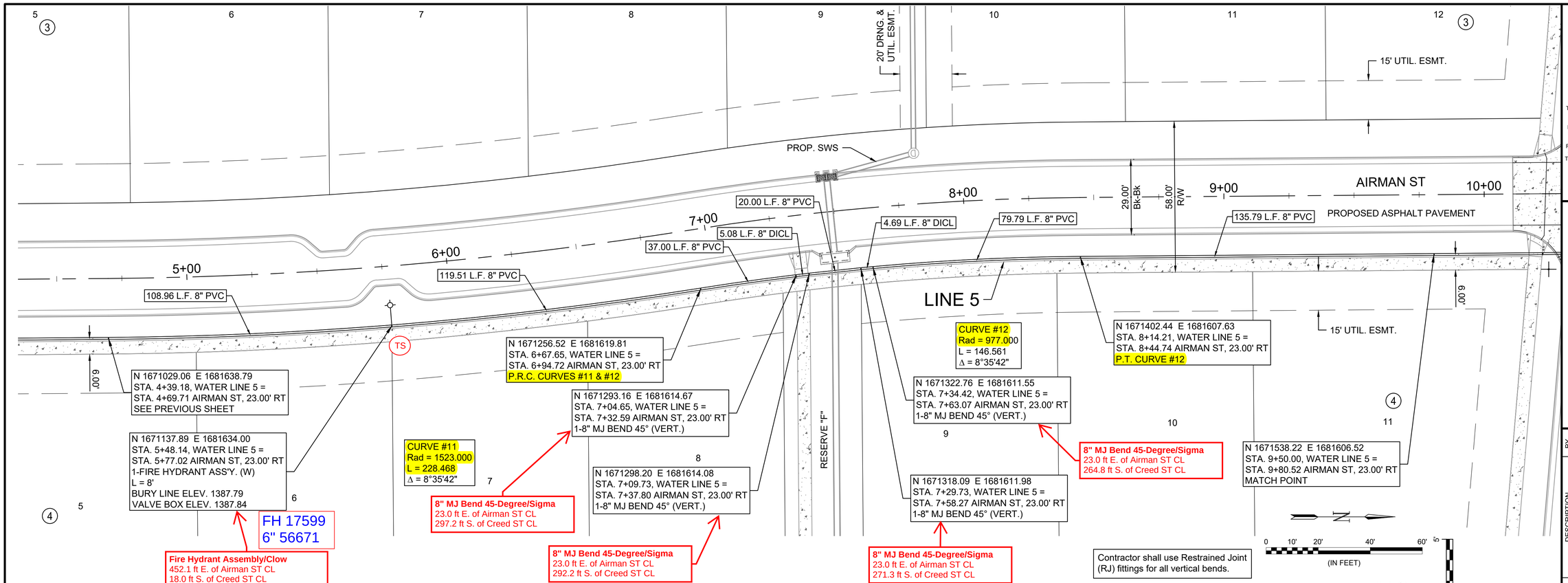
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

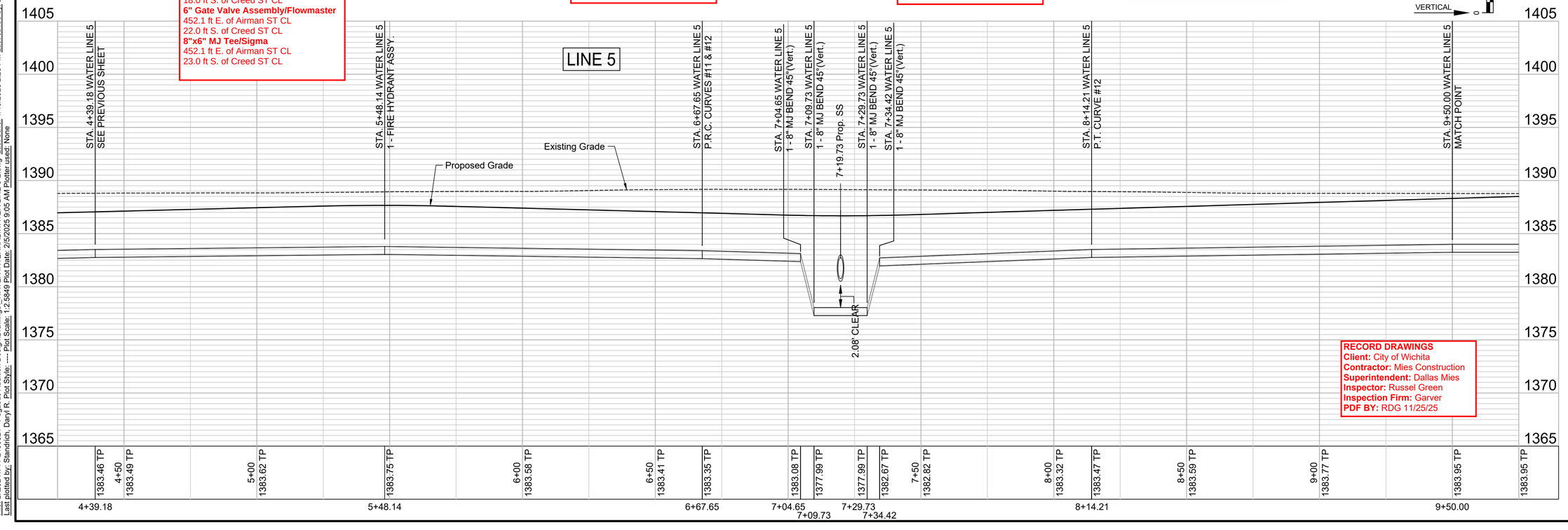
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER

SHEET NUMBER 19 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 5-1.dwg Last Save: 1/16/2025 1:18 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:04 AM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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ERIC JOHN GLOVER
LICENSED
16144
12-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 5
(2 of 4)

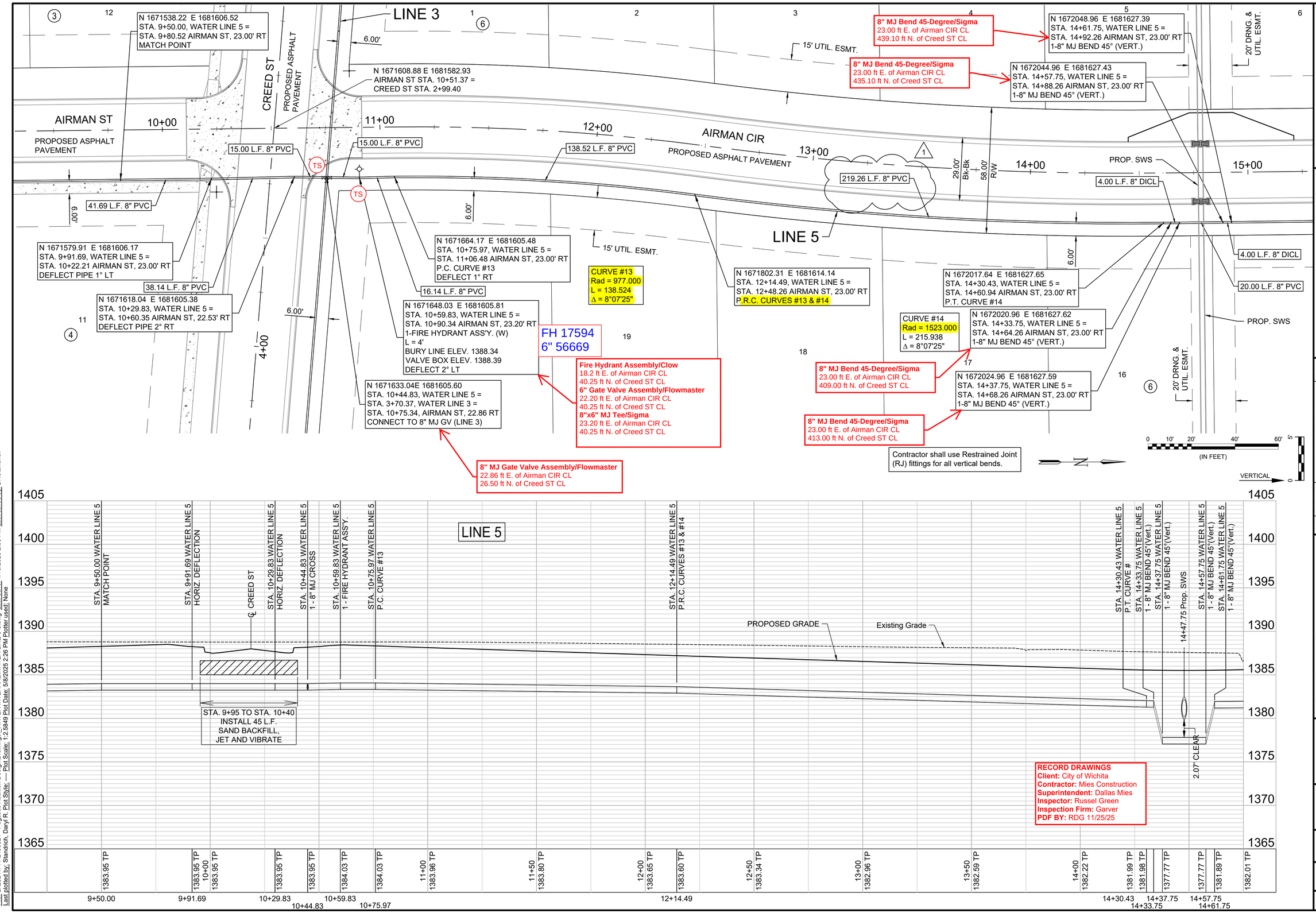
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
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DRAWING NUMBER

SHEET NUMBER 20 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 5-2.dwg Last Save: 1/16/2025 2:23 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:05 AM Plotter used: None



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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(316) 264-8008

ERIC JOHN GLOETZNER
LICENSED
No. 31144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY
1	5/8/2025	DICL 3.32' ADDED TO PVC LENGTH IN CURVE	DRS

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 5
(3 of 4)

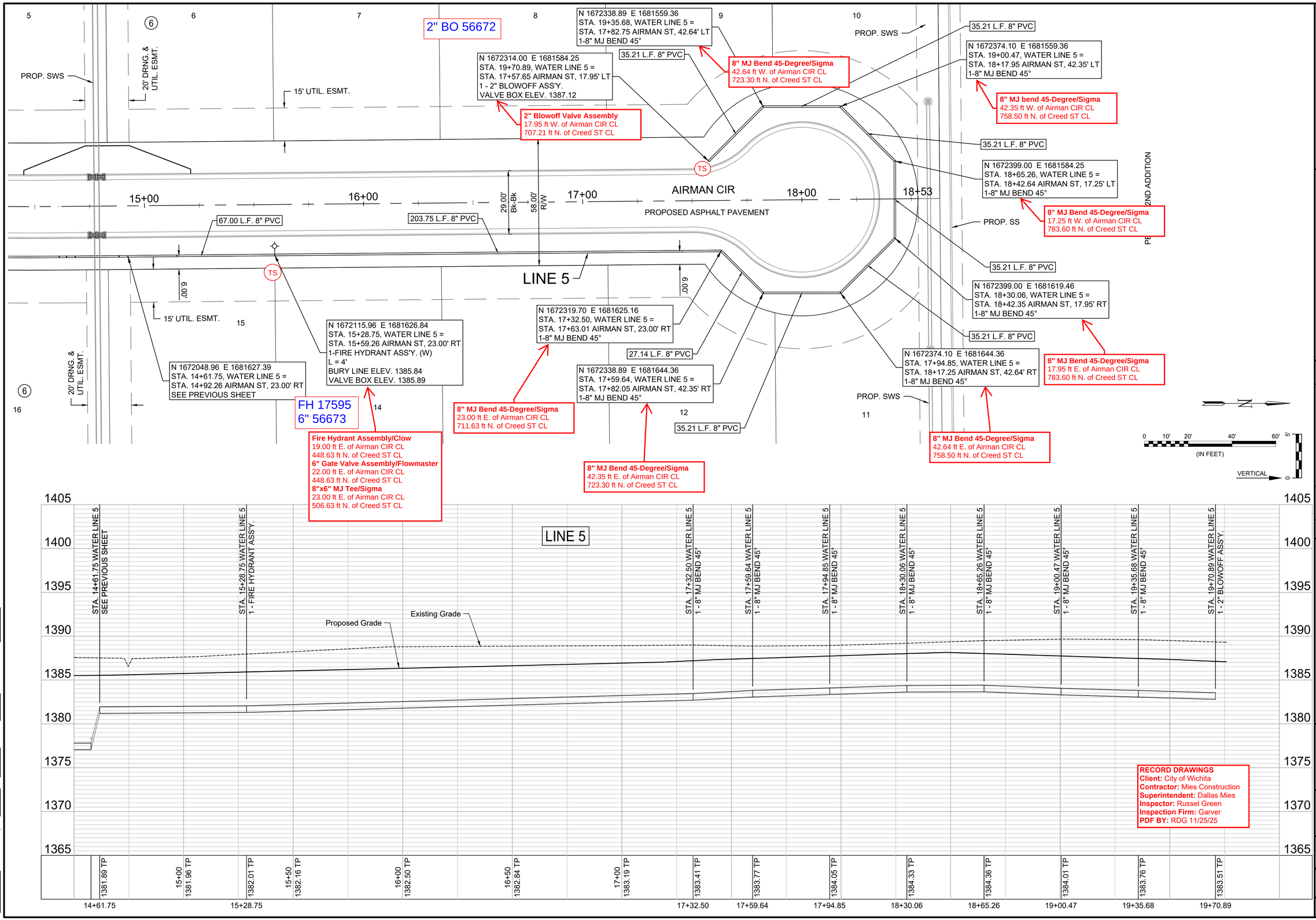
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
■

SHEET NUMBER 21 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 5-3.dwg Last Save: 1/16/2025 2:03 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 5/8/2025 2:26 PM Plotter used: None



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(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 5
(4 of 4)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 22 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 5-4.dwg Last Save: 1/16/2025 2:04 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:06 AM Plotter used: None

LINE 1

CROSSWIND ST

6+00

PROPOSED ASPHALT PAVEMENT

30

29

N 1670618.20 E 1681923.18
FLIGHTLINE ST STA. 0+53.68 =
CROSSWIND ST STA. 6+31.07

0+54

TS

6.00'

63.00 L.F. 8" PVC

7+00

35.00'
Bk-Bk

64.00'
R/W

N 1670592.39E 1681946.39
STA. 0+00.00, WATER LINE 6 =
STA. 7+02.07, WATER LINE 1 =
STA. 6+54.07, CROSSWIND ST, 26.00 RT
CONNECT TO 8" MJ GV (LINE 1)

4 22 21 20 19 18

15' UTIL. ESMT.

RESERVE "J"

1+00 2+00 FLIGHTLINE ST 3+00 4+00 5+00

PROPOSED ASPHALT PAVEMENT

224.40 L.F. 8" PVC

PROP. SWS

121.78 L.F. 8" PVC

29.00'
Bk-Bk

58.00'
R/W

LINE 6

TS

6.00'

15' UTIL. ESMT.

N 1670655.39 E 1681945.87
STA. 0+63.00, WATER LINE 6 =
STA. 0+90.68 FLIGHTLINE ST, 23.00' RT
1-FIRE HYDRANT ASS'Y. (W)
L = 4'
BURY LINE ELEV. 1386.76
VALVE BOX ELEV. 1386.81

N 1670879.78 E 1681944.02
STA. 2+87.40, WATER LINE 6 =
STA. 3+15.08 FLIGHTLINE ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

N 1670909.78 E 1681943.77
STA. 3+17.40, WATER LINE 6 =
STA. 3+45.08 FLIGHTLINE ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
23.00 ft E. of Flightline ST CL
291.08 ft N. of Crosswind ST CL

4.98 L.F. 8" DICL

8" MJ Bend 45-Degree/Sigma
23.00 ft E. of Flightline ST CL
262.00 ft N. of Crosswind ST CL

5.02 L.F. 8" DICL

N 1670904.80 E 1681943.81
STA. 3+12.42, WATER LINE 6 =
STA. 3+40.10 FLIGHTLINE ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
23.00 ft E. of Flightline ST CL
285.83 ft N. of Crosswind ST CL

5 1 2 3 4

FH 17596
6" 56674

Fire Hydrant Assembly/Clow
19.00 ft E. of Flightline ST CL
37.17 ft N. of Crosswind ST CL
6" Gate Valve Assembly/Flowmaster
22.00 ft E. of Flightline ST CL
37.17 ft N. of Crosswind ST CL
8"x6" MJ Tee/Sigma
23.00 ft E. of Flightline ST CL
37.17 ft N. of Crosswind ST CL

N 1670884.80 E 1681943.98
STA. 2+92.42, WATER LINE 6 =
STA. 3+20.10 FLIGHTLINE ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
23.00 ft E. of Flightline ST CL
266..08 ft N. of Crosswind ST CL

20.00 L.F. 8" PVC

N 1671031.56 E 1681942.77
STA. 4+39.18, WATER LINE 6 =
STA. 4+66.86 FLIGHTLINE ST, 23.00' RT
P.C. CURVE #15

RESERVE "K"

8" MJ Gate Valve Assembly (N)/Flowmaster
25.80 ft E. of Flightline ST CL
25.00 ft S. of Crosswind ST CL
8" MJ Gate Valve Assembly (E)/Flowmaster
26.80 ft E. of Flightline ST CL
26.00 ft S. of Crosswind ST CL
8" MJ Tee/Sigma
26.00 ft E. of Flightline ST CL
25.80 ft S. of Crosswind ST CL

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.

N

0 10' 20' 40' 60'
(IN FEET)

VERTICAL 0 5

LINE 6

1405 1400 1395 1390 1385 1380 1375 1370 1365

STA. 7+02.07 WATER LINE 1 =
STA. 0+00.00, WATER LINE 6
CONNECT TO LINE 1

℄ CROSSWIND ST

STA. 0+63.00 WATER LINE 6
1 - FIRE HYDRANT ASSY.

Proposed Grade

Existing Grade

STA. 2+87.40 WATER LINE 6
1 - 8" MJ BEND 45°(Vert.)

STA. 2+92.42 WATER LINE 6
1 - 8" MJ BEND 45°(Vert.)

3+02.42 Prop. SWS

STA. 3+12.42 WATER LINE 6
1 - 8" MJ BEND 45°(Vert.)

STA. 3+17.40 WATER LINE 6
1 - 8" MJ BEND 45°(Vert.)

STA. 4+39.18 WATER LINE 6
P.C. CURVE #15

STA. 0+07 TO STA. 0+48
INSTALL 41 L.F.
SAND BACKFILL,
JET AND VIBRATE

2.10' CLEAR

0+00	0+50	1+00	1+50	2+00	2+50	3+50	4+00	
1382.26 TP	1382.40 TP	1382.43 TP	1382.23 TP	1381.96 TP	1381.69 TP	1381.43 TP	1381.22 TP	1376.21 TP	1376.21 TP	1381.17 TP	1381.40 TP	1381.76 TP	1382.03 TP

0+00.00 0+63.00 2+87.40 2+92.42 3+12.42 3+17.40 4+39.18

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
12-31-25
KANSAS
PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 6
(1 of 4)

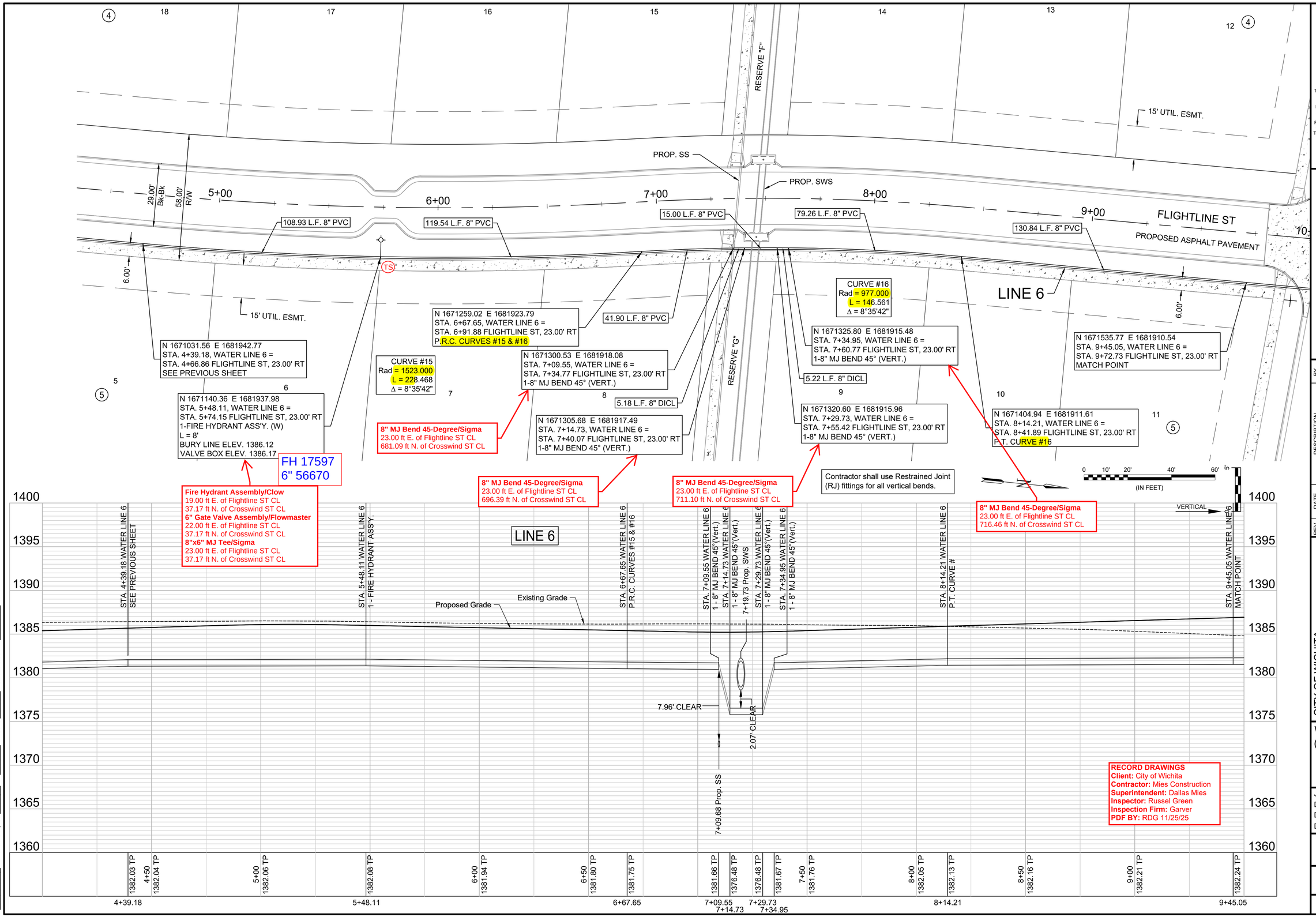
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER

SHEET NUMBER 23 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 6-1.dwg Last Save: 1/16/2025 2:10 PM Last saved by: DRSlandrich
Last plotted by: Slandrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:07 AM Plotter used: None



File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 6-2.dwg Last Save: 1/16/2025 2:30 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:08 AM Plotter used: None

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOETZNER
LICENSED
16744
12-31-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 6
(2 of 4)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 24 OF 46

Files: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 6-3.dwg Last Saved: 1/16/2025 2:33 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:08 AM Plotter used: None

12 | 21 | 22 | 23 | 25 | 26 | 6

CREED ST

PROPOSED ASPHALT PAVEMENT

N 1671583.25 E 1681887.14
FLIGHTLINE ST STA. 10+20.39 =
CREED ST - GOBEL ST STA. 6+04.69

N 1671622.42 E 1681910.16
STA. 10+31.70, WATER LINE 6 =
STA. 10+59.37 FLIGHTLINE ST, 23.34' RT
1-FIRE HYDRANT ASS'Y. (W)
L = 4'
BURY LINE ELEV. 1386.69
VALVE BOX ELEV. 1386.74
DEFLECT 2° LT

FH 17598
6" 56675

Fire Hydrant Assembly/Clow
19.24 ft E. of Flightline ST CL
40.50 ft N. of Crosswind ST CL
6" Gate Valve Assembly/Flowmaster
22.34 ft E. of Flightline ST CL
40.50 ft N. of Crosswind ST CL
8"x6" MJ Tee/Sigma
23.34 ft E. of Flightline ST CL
40.50 ft N. of Crosswind ST CL

15' UTIL. ESMT.

8" MJ Bend 45-Degree/Sigma
23.01 ft E. of Flightline CIR CL
465.24 ft N. of Creed ST CL

N 1672043.05 E 1681955.58
STA. 14+55.80, WATER LINE 6 =
STA. 14+85.63 FLIGHTLINE ST, 23.01' RT
1-8" MJ BEND 45° (VERT.)

PROP. SWS

8" MJ Bend 45-Degree/Sigma
23.01 ft E. of Flightline CIR CL
459.53 ft N. of Creed ST CL

N 1672037.27 E 1681955.07
STA. 14+49.99, WATER LINE 6 =
STA. 14+79.92 FLIGHTLINE ST, 23.01' RT
1-8" MJ BEND 45° (VERT.)

27.14 L.F. 8" PVC

10+00 | 11+00 | 12+00 | 13+00 | 14+00 | 15+00

FLIGHTLINE CIR
PROPOSED ASPHALT PAVEMENT

6+00

214.26 L.F. 8" PVC

17.13 L.F. 8" PVC

133.92 L.F. 8" PVC

58.00' R/W

29.00' Bk-Bk

29.51 L.F. 8" PVC

27.14 L.F. 8" PVC

TS | TS

LINE 6

N 1671666.68 E 1681909.46
STA. 10+75.97, WATER LINE 6 =
STA. 11+03.63 FLIGHTLINE ST, 23.00' RT
P.C. CURVE #17

N 1671649.55 E 1681909.60
STA. 10+58.84, WATER LINE 6 =
STA. 10+86.51 FLIGHTLINE ST, 23.00' RT
DEFLECT PIPE 1° RT

N 1671607.42E 1681909.95
STA. 10+16.70, WATER LINE 6 =
STA. 6+75.80, WATER LINE 3 =
STA. 10+44.37, FLIGHTLINE ST, 23.00 RT
CONNECT TO 8" MJ GV (LINE 3)

15.00 L.F. 8" PVC

15.00 L.F. 8" PVC

N 1671879.41 E 1681931.10
STA. 12+90.23, WATER LINE 6 =
STA. 13+22.94 FLIGHTLINE ST, 23.00' RT
P.R.C. CURVES #17 & #18

8" MJ Bend 45-Degree/Sigma
23.01 ft E. of Flightline CIR CL
434.14 ft N. of Creed ST CL

15' UTIL. ESMT.

N 1672011.55 E 1681952.49
STA. 14+24.15, WATER LINE 6 =
STA. 14+54.53 FLIGHTLINE ST, 23.01' RT
1-8" MJ BEND 45° (VERT.)

5.81 L.F. 8" DICL

6.00'

PROP. SWS

5.84 L.F. 8" DICL

CURVE #18
Rad = 1323.000
L = 290.138
Δ = 12°33'54"

35.00' Bk-Bk
64.00' R/W

7+00

39 | 40 | 38 | 37 | 36 | 35

CURVE #17
Rad = 977.000
L = 214.259
Δ = 12°33'54"

N 1672017.36 E 1681953.12
STA. 14+29.99, WATER LINE 6 =
STA. 14+60.27 FLIGHTLINE ST, 23.01' RT
1-8" MJ BEND 45° (VERT.)

20.00 L.F. 8" PVC

20' DRNG. & UTIL. ESMT.

11 | 5

N 1671535.77 E 1681910.54
STA. 9+45.05, WATER LINE 6 =
STA. 9+72.73 FLIGHTLINE ST, 23.00' RT
MATCH POINT

N 1671592.42 E 1681909.73
STA. 10+01.70, WATER LINE 6 =
STA. 10+29.38 FLIGHTLINE ST, 22.66' RT
DEFLECT PIPE 2° RT

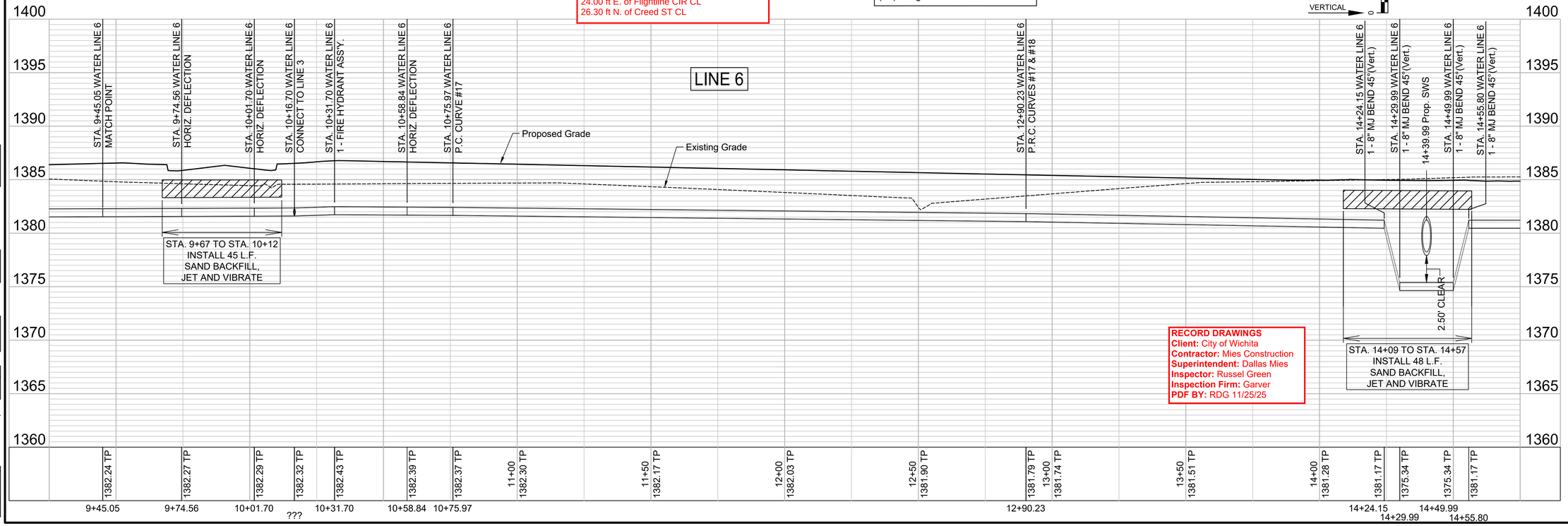
N 1671565.29 E 1681910.29
STA. 9+74.56, WATER LINE 6 =
STA. 10+02.24 FLIGHTLINE ST, 23.00' RT
DEFLECT PIPE 1° LT

8" MJ Tee/Sigma
23.00 ft E. of Flightline CIR CL
26.30 ft N. of Creed ST CL
8" MJ Gate Valve Assembly(N)/Flowmaster
23.00 ft E. of Flightline CIR CL
27.30 ft N. of Creed ST CL
8" MJ Gate Valve Assembly(S)/Flowmaster
23.00 ft E. of Flightline CIR CL
25.30 ft N. of Creed ST CL
8" MJ Gate Valve Assembly(E)/Flowmaster
24.00 ft E. of Flightline CIR CL
26.30 ft N. of Creed ST CL

8" MJ Bend 45-Degree/Sigma
23.01 ft E. of Flightline CIR CL
439.88 ft N. of Creed ST CL

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.

0 10' 20' 40' 60'
(IN FEET)
0 5'
VERTICAL



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

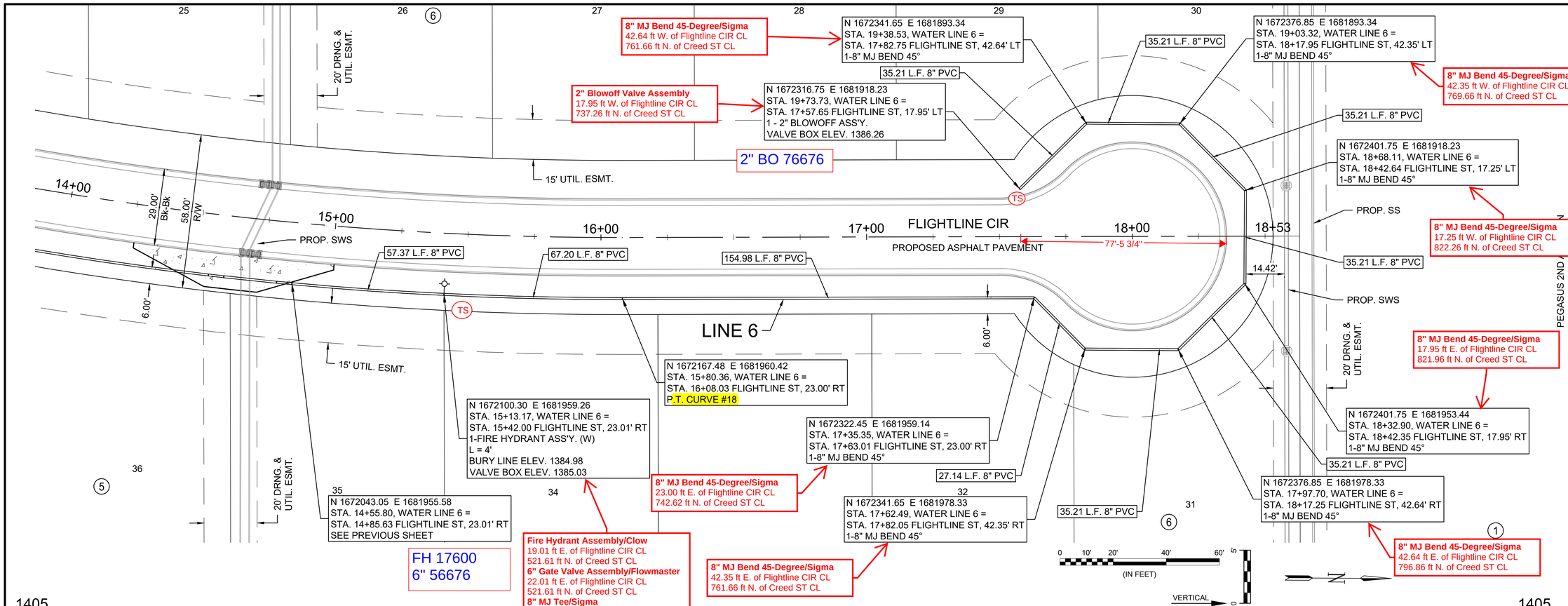
WATER LINE 6
(3 of 4)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
■

SHEET NUMBER 25 OF 46



File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 6-4.dwg Last Save: 1/16/2025 2:34 PM Last saved by: DRSlandrich
Last plotted by: Slandrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:09 AM Plotter used: None

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVIER
LICENSED
16144
12-25
KANSAS
PROFESSIONAL ENGINEER

REV	DATE	DESCRIPTION	BY

CITY OF WICHITA

PEGASUS ADDITION WATER

WATER LINE 6 (4 of 4)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
-

SHEET NUMBER 26 OF 46

8" 56681 N
8" 56680 E

8" MJ Bend 45-Degree/Sigma
157.32 ft E. of Gobel CL
25.98 ft S. of Carson ST CL

N 1672529.44 E 1682287.15
STA. 1+28.40, WATER LINE 7 =
STA. 1+71.39 CARSON ST, 25.98' RT
1-8" MJ BEND 45° (VERT.)

N 1672522.16 E 1682265.97
STA. 1+06.00, WATER LINE 7 =
STA. 1+46.07 CARSON ST, 23.00' RT
1-8" MJ BEND 11.25°

8" MJ Bend 11.25-Degree/Sigma
132.00 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

N 1672475.60 E 1682140.33
CARSON ST STA. 0+14.07 =
CREED ST - GOBEL ST STA. 17+96.53

RESERVE "P"

8" MJ Bend 11.25-Degree/Sigma
247.39 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

N 1672546.31 E 1682365.15
STA. 2+08.57, WATER LINE 7 =
STA. 2+61.46 CARSON ST, 23.00' RT
1-8" MJ BEND 11.25°
TOTAL DEFLECTION = 7.25°

20' DRNG. & UTIL. ESMT.

PROP. SS

N 1672569.89 E 1682436.27
CARSON ST STA. 3+32.77 =
CARSON CT STA. 0+22.47

32.00' R/W
29.00' Bk-Bk

15' UTIL. ESMT.

N 1672547.10 E 1682461.46
STA. 3+04.88, WATER LINE 7 =
STA. 3+57.77 CARSON ST, 23.00' RT
1-8" MJ TEE
2-8" GATE VALVE ASS'Y (N,E)
VALVE BOX ELEV. 1383.82

8" Gate Valve Assembly(N)/Flowmaster
343.70 ft E. of Gobel ST CL
24.00 ft S. of Carson ST CL
8" Gate Valve Assembly(E)/Flowmaster
344.70 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL
8" MJ Tee/Sigma
343.70 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

PROP. FORCE MAIN

PROP. SWS

15+50 | 2+00 | 3+00 | 4+00 | 5+00

37.74 L.F. 8" RJ PVC
74.47 L.F. 8" PVC
20.00 L.F. 8" PVC

2" BO 56682

2" Blowoff Valve Assembly
480.88 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

N 1672548.23 E 1682598.63
STA. 4+42.06, WATER LINE 7 =
STA. 4+94.95 CARSON ST, 23.00' RT
1 - 2" BLOWOFF ASS'Y.
VALVE BOX ELEV. 1383.39

LINE 7

CARSON ST 1+00
PROPOSED ASPHALT PAVEMENT
58.00' R/W
29.00' Bk-Bk

0+14
PROPOSED ASPHALT PAVEMENT
GOBEL ST

8" MJ Bend 45-Degree/Sigma
418.17 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

15' UTIL. ESMT.

8" MJ Bend 45-Degree/Sigma
285.13 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

N 1672546.62 E 1682402.89
STA. 2+46.31, WATER LINE 7 =
STA. 2+99.20 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

4.99 L.F. 8" DICL

N 1672546.66 E 1682407.88
STA. 2+51.30, WATER LINE 7 =
STA. 3+04.19 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

48.23 L.F. 8" RJ PVC

N 1672547.71 E 1682535.92
STA. 3+79.35, WATER LINE 7 =
STA. 4+32.24 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

3.61 L.F. 8" DICL

N 1672547.74 E 1682539.53
STA. 3+82.96, WATER LINE 7 =
STA. 4+35.85 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

22.40 L.F. 8" PVC
106.00 L.F. 8" PVC
5.16 L.F. 8" DICL

N 1672539.83 E 1682317.36
STA. 1+60.34, WATER LINE 7 =
STA. 2+08.07 CARSON ST, 25.27' RT
1-8" MJ BEND 11.25°

26.79 L.F. 8" RJ PVC

8" MJ Bend 11.25-Degree/Sigma
290.12 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

8" MJ Bend 45-Degree/Sigma
421.78 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

8" MJ Bend 11.25-Degree/Sigma
194.00 ft E. of Gobel ST CL
25.27 ft S. of Carson ST CL

RESERVE "D"

8" MJ Bend 45-Degree/Sigma
445.22 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

35.66 L.F. 8" PVC

N 1672547.94 E 1682562.97
STA. 4+06.40, WATER LINE 7 =
STA. 4+59.29 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

3.44 L.F. 8" DICL

N 1672547.91 E 1682559.53
STA. 4+02.96, WATER LINE 7 =
STA. 4+55.85 CARSON ST, 23.00' RT
1-8" MJ BEND 45° (VERT.)

N 1672468.81E 1682174.37
STA. 0+00.00, WATER LINE 7 =
STA. 9+29.27, WATER LINE 4 =
STA. 0+40.07, CARSON ST, 23.00 RT
CONNECT TO 8" MJ GV (LINE 4)

N 1672531.12 E 1682292.03
STA. 1+33.56, WATER LINE 7 =
STA. 1+77.31 CARSON ST, 26.26' RT
1-8" MJ BEND 45° (VERT.)

8" Gate Valve Assembly(N)/Clow
22.00 ft E. of Gobel ST CL
26.50 ft S. of Carson ST CL
8" Gate Valve Assembly(E)/Flowmaster
23.00 ft E. of Gobel ST CL
27.50 ft S. of Carson ST CL
8" MJ Tee/Sigma
23.00ft E. of Gobel ST CL
26.5 ft S. of Carson ST CL

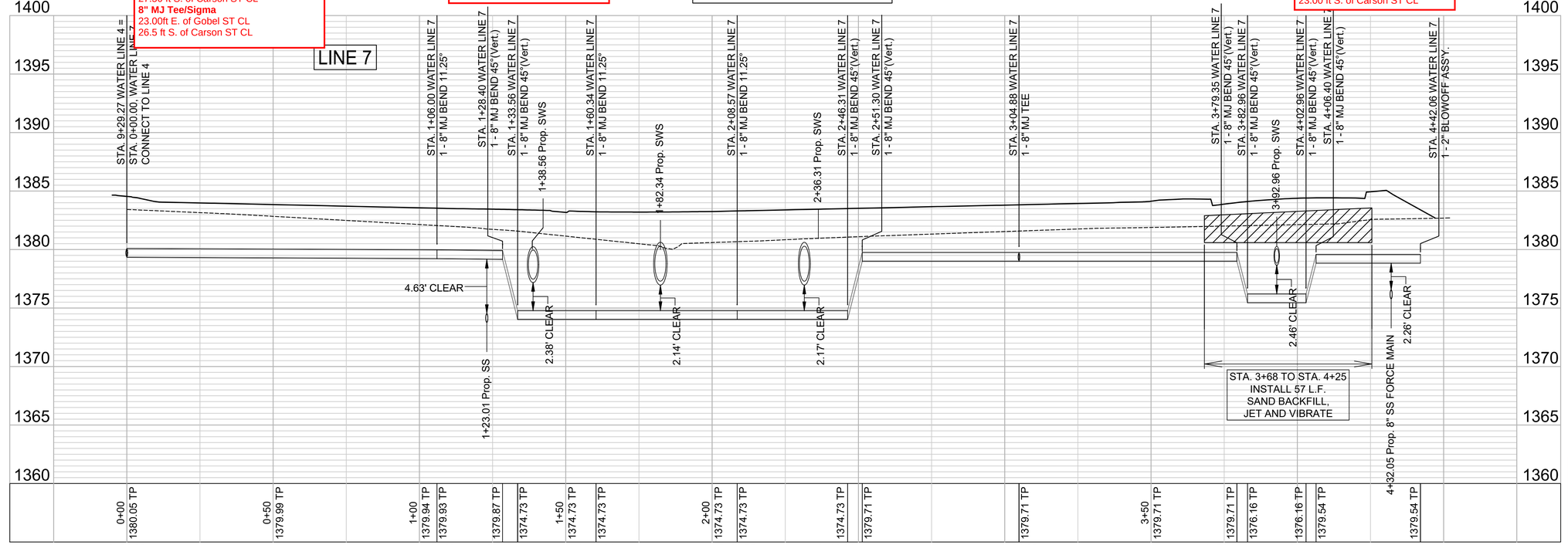
8" MJ Bend 45-Degree/Sigma
163.24 ft E. of Gobel ST CL
26.26 ft S. of Carson ST CL

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends and any joints while dipped below storm sewer pipes.

8" MJ Bend 45-Degree/Sigma
441.78 ft E. of Gobel ST CL
23.00 ft S. of Carson ST CL

0 10' 20' 40' 60'
(IN FEET)

VERTICAL



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY
1	5/8/2025	CHANGE PIPE FROM STA 1+33.56 TO 2+46.31 TO RJ PIPE	DRS

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 7

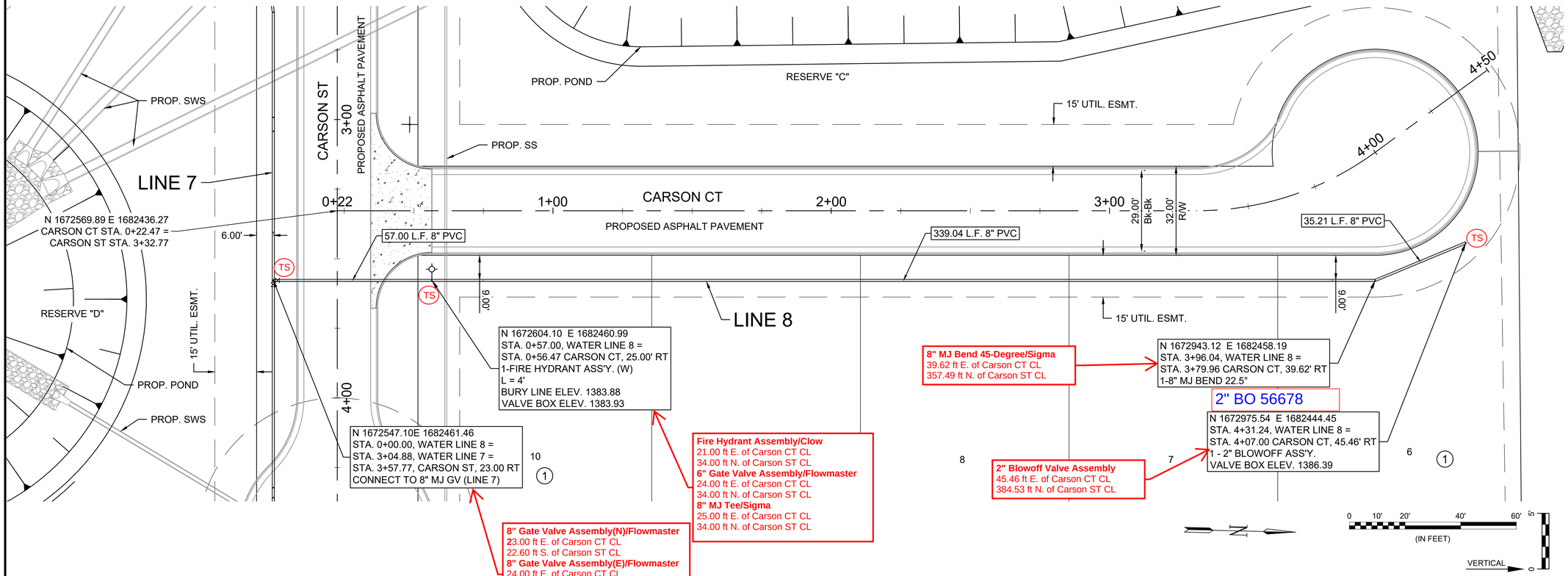
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 27 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 5/8/2025 2:25 PM Plotter used: None



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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 8

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 28 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 8.dwg Last Save: 1/16/2025 3:00 PM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:10 AM Plotter used: None

2" Blowoff Valve Assembly/Clow
668.91 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

Fire Hydrant Assembly/Clow
393.91 ft W. of Gobel ST CL
19.00 ft N. of Gobel CT S CL
6" Gate Valve Assembly/Flowmaster
393.91 ft W. of Gobel ST CL
22.00 ft N. of Gobel CT S CL
8" MJ Tee/Sigma
393.91 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

8" MJ Bend 45-Degree/Sigma
345.33 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

N 1672580.82 E 1681761.51
STA. 3+23.58, WATER LINE 9 =
STA. 12+04.67 GOBEL CT SOUTH, 23.00' LT
1-8" MJ BEND 45° (VERT.)

N 1672580.99 E 1681781.50
STA. 3+43.58, WATER LINE 9 =
STA. 12+24.67 GOBEL CT SOUTH, 23.00' LT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
325.33 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

N 1672578.15 E 1681437.94
STA. 0+00.00, WATER LINE 9 =
STA. 8+81.09 GOBEL CT SOUTH, 23.00' LT
1 - 2" BLOWOFF ASS'Y.
VALVE BOX ELEV. 1389.21

2" BO 56682

N 1672580.42 E 1681712.93
STA. 2+75.00, WATER LINE 9 =
STA. 11+56.09 GOBEL CT SOUTH, 23.00' LT
1-FIRE HYDRANT ASS'Y. (S)
L = 4'
BURY LINE ELEV. 1387.23
VALVE BOX ELEV. 1387.28

FH 17602
6" 56684

N 1672580.79 E 1681757.63
STA. 3+19.70, WATER LINE 9 =
STA. 12+00.79 GOBEL CT SOUTH, 23.00' LT
1-8" MJ BEND 45° (VERT.)

8" MJ Bend 45-Degree/Sigma
349.21 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

N 1672581.02 E 1681785.43
STA. 3+47.50, WATER LINE 9 =
STA. 12+28.59 GOBEL CT SOUTH, 23.00' LT
1-8" MJ BEND 45° (VERT.)

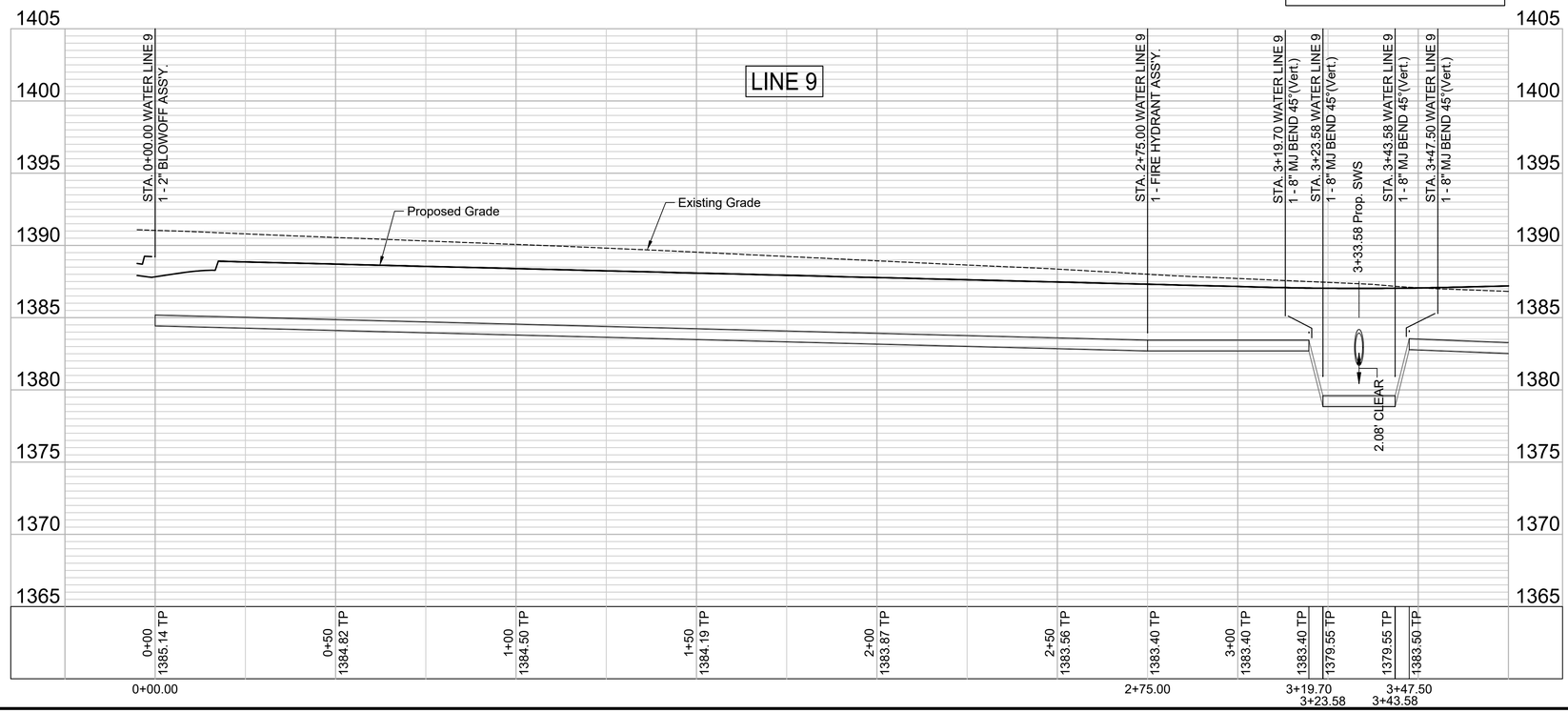
8" MJ Bend 45-Degree/Sigma
321.41 ft W. of Gobel ST CL
23.00 ft N. of Gobel CT S CL

3.88 L.F. 8" DICL
3.92 L.F. 8" DICL

15' UTIL. ESMT.
20' DRNG. & UTIL. ESMT.
RESERVE "A"
LINE 9
TS
6.00'
275.00 L.F. 8" PVC
44.70 L.F. 8" PVC
20.00 L.F. 8" PVC
PROP. SWS
8+33
9+00
GOBEL CT SOUTH
PROPOSED ASPHALT PAVEMENT
10+00
11+00
12+00
13+00
58.00' R/W
29.00' Bk-Bk
13
15
16
17
18
19
2
3
11
10
9
8
7
6
5
4
N

0 10' 20' 40' 60' (IN FEET)
5' 0 VERTICAL

Contractor shall use Restrained Joint (RJ) fittings for all vertical bends.



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 9
(1 of 2)

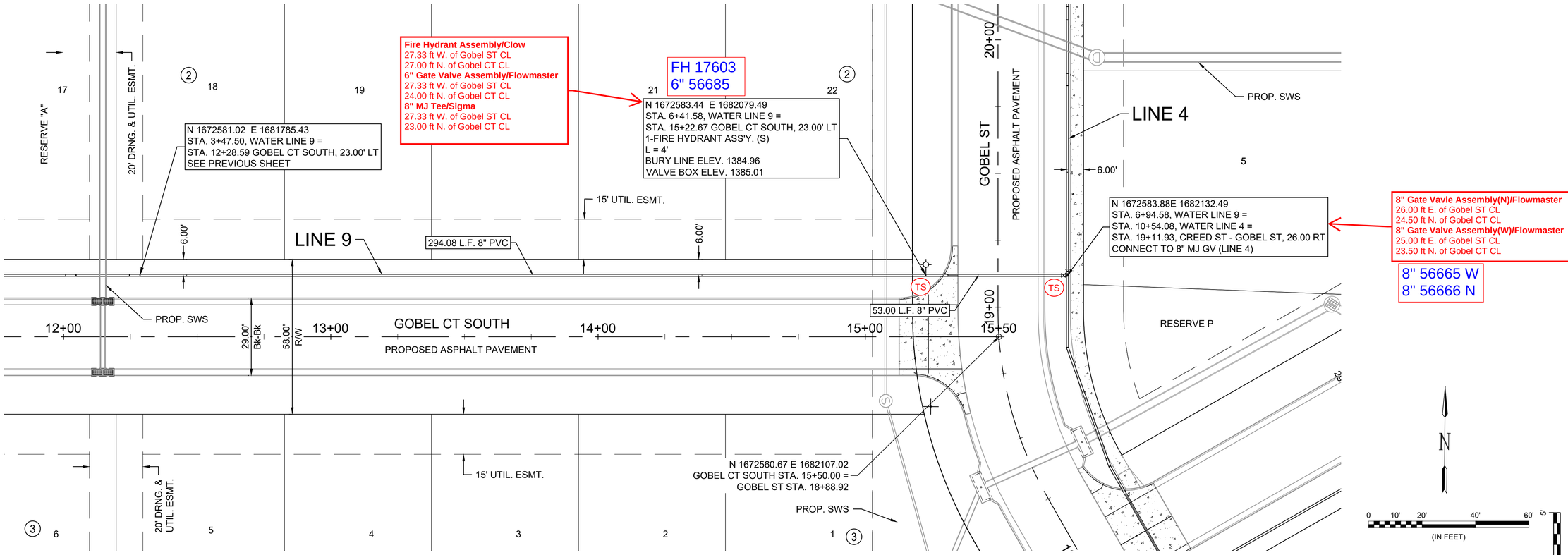
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

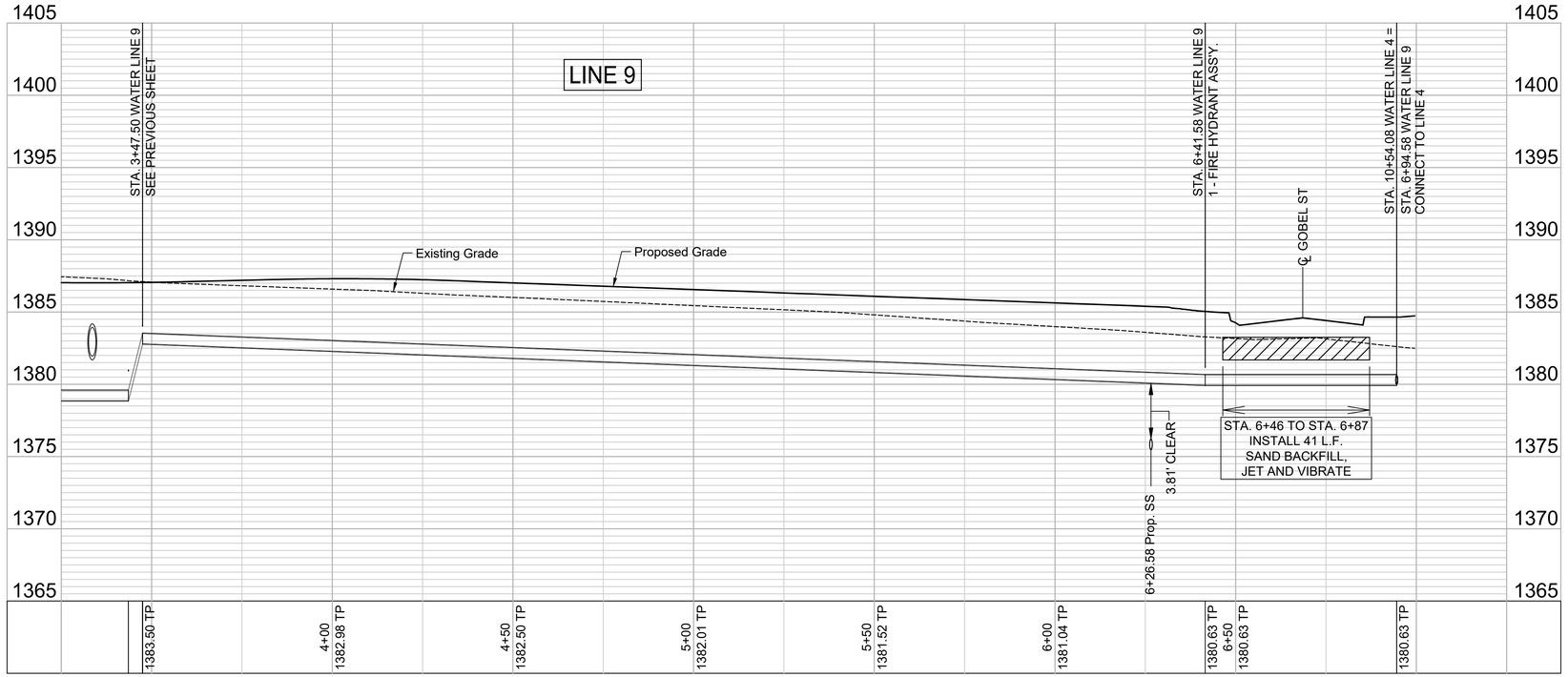
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 29 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings_WATER INTERNAL\WATER LINE 9-1.dwg Last Save: 1/8/2025 9:43 AM Last saved by: DRStandrich
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:11 AM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19144
12-4-25
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 9
(2 of 2)

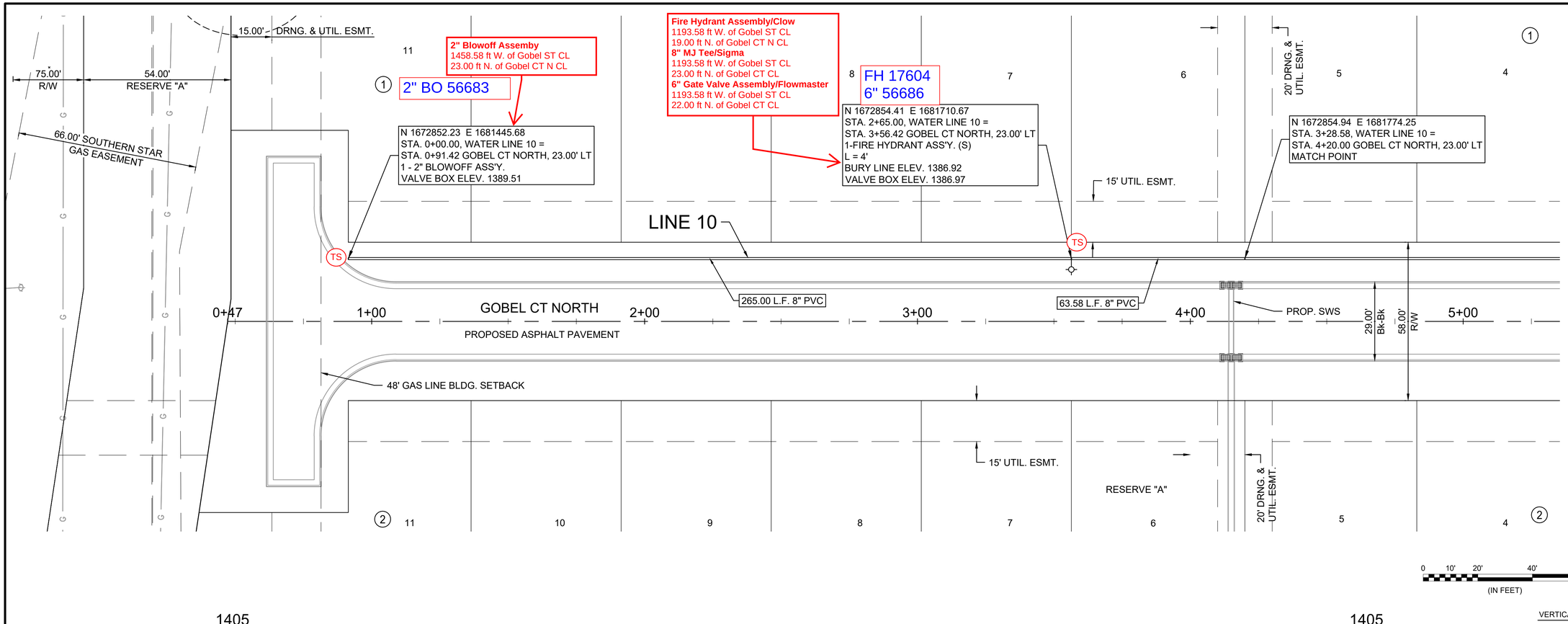
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

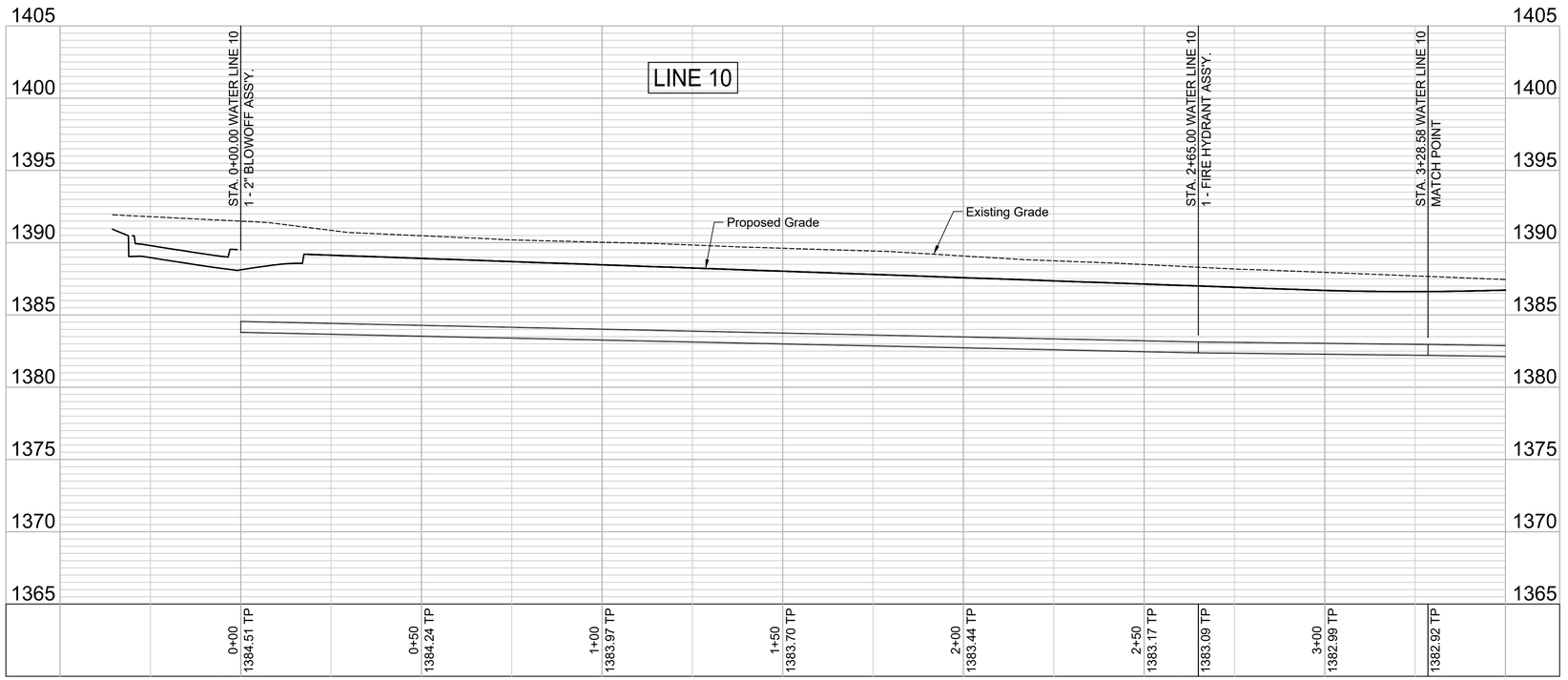
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DRAWING NUMBER
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SHEET NUMBER 30 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:12 AM Plotter used: None





RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 10
(1 of 2)

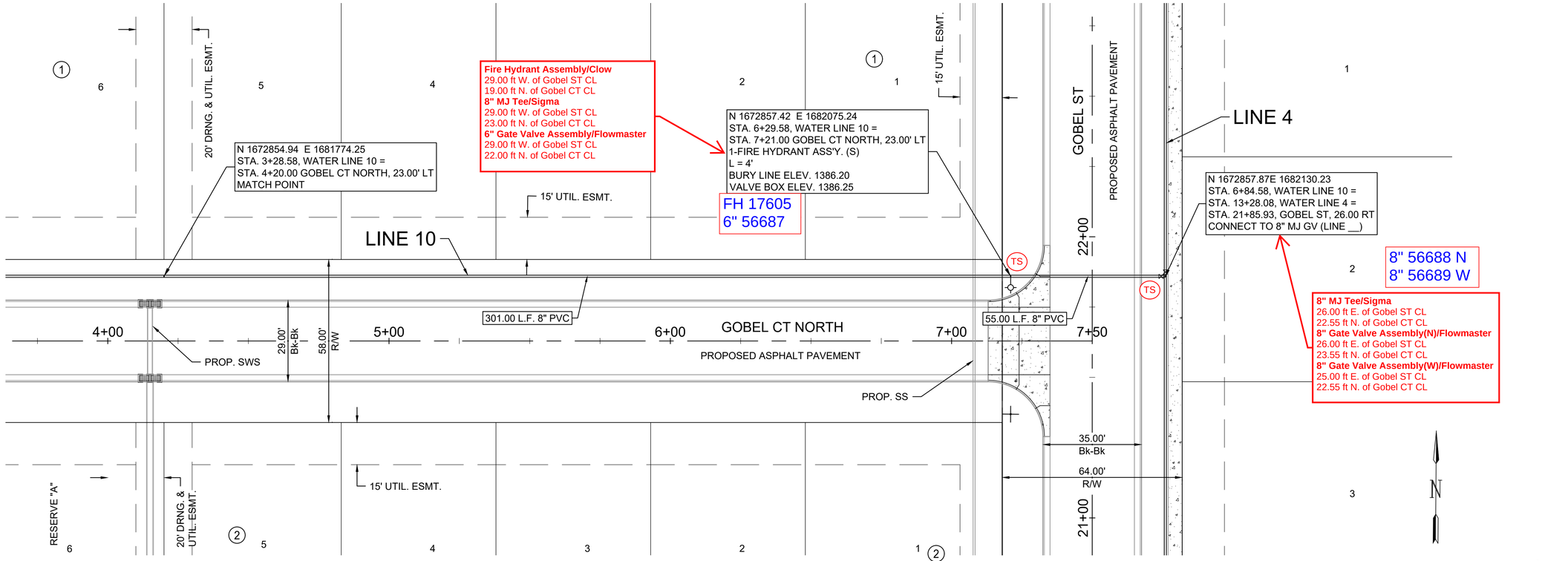
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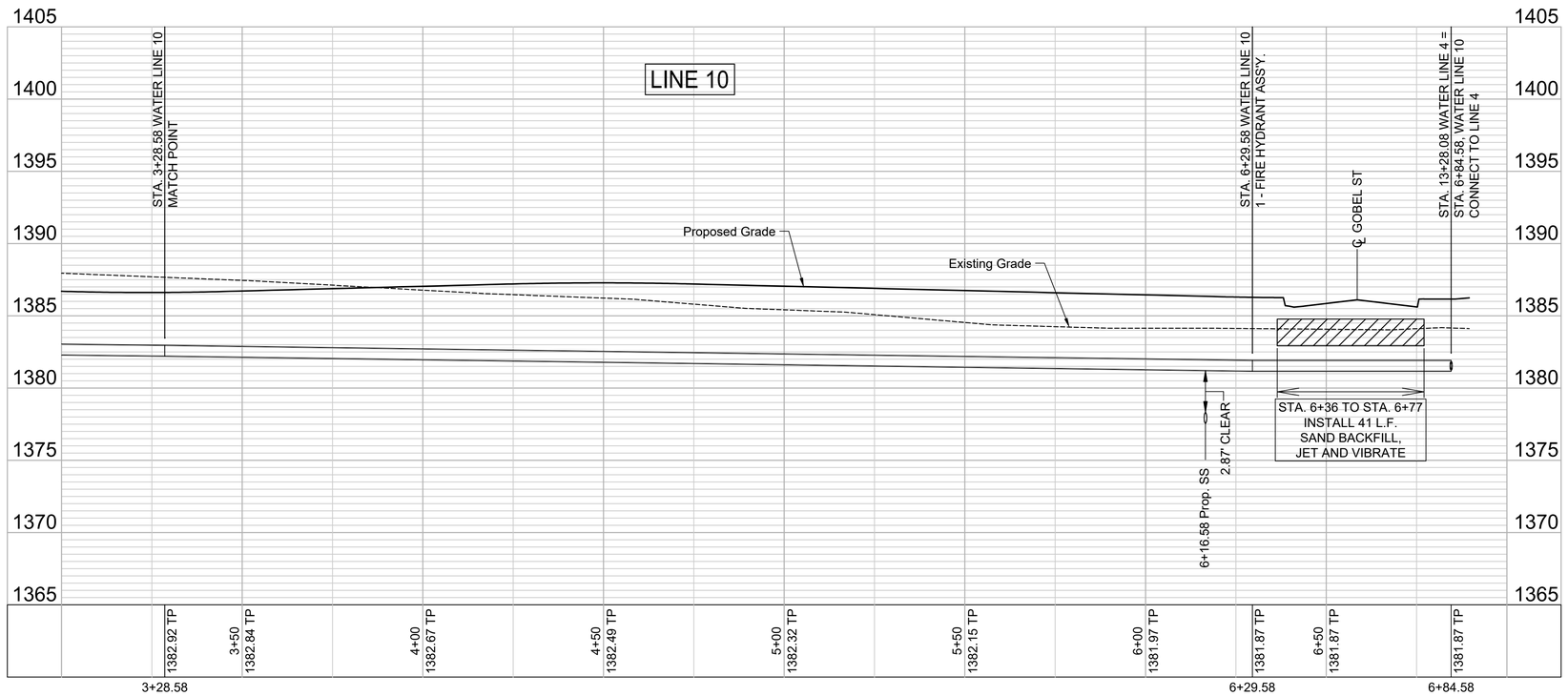
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CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER LINE 10
(2 of 2)

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:14 AM Plotter used: None

GENERAL SEED NOTES FOR ALL MIXES

1. THE CONTRACTOR SHALL PROVIDE GRASS SEED OF THE VARIETY AND AT THE RATES AS REQUIRED TO PRODUCE THE LIVE SEED RATES SHOWN BELOW OR AS SPECIFIED ON THE PLANS. THE VENDOR'S CERTIFIED STATEMENT FOR EACH SPECIES OF GRASS AND GRASS MIXTURE STATING EACH VARIETY, PERCENTAGE BY WEIGHT, AND PERCENTAGES OF PURITY, GERMINATION, AND WEED SEED SHALL BE FURNISHED. LIVE SEED FOR EACH GRASS SPECIES IS THE PRODUCT OF THE PERCENTAGE OF PURITY AND THE PERCENTAGE OF GERMINATION.

1.1. THE SEED SHALL BE NEW-CROP SEED COMPLYING WITH AND LABELED IN ACCORDANCE WITH U.S. DEPARTMENT OF AGRICULTURE "RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT" IN EFFECT AT DATE OF PURCHASE OF SEED. ALL SEED SHALL BE FURNISHED IN STANDARD CONTAINERS. SEED WHICH HAS BECOME MOLDY, WET, OR OTHERWISE DAMAGED IN TRANSIT OR STORAGE SHALL NOT BE ACCEPTED.

1.2. A CERTIFICATE SHALL BE FURNISHED TO THE ENGINEER SHOWING THE DATE THAT THE SEED WAS TREATED. THE TREATED SEED SHALL BE PLANTED WITHIN TWENTY-FOUR (24) MONTHS AFTER TREATMENT AND ANY TREATED BUFFALO GRASS SEED HELD BY THE CONTRACTOR OR SUPPLIED BEYOND THIS PERIOD SHALL NOT BE USED.

1.3. THE SEED SHALL BE STORED IN A COOL DRY PLACE UNTIL SEEDING TIME.

2. FERTILIZER.

2.1. FERTILIZER SHALL BE PROPORTIONED AS SPECIFIED ON THE PLANS OR SHOWN BELOW AND SHALL BE OF COMMERCIAL GRADE, UNIFORM IN COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT, DELIVERED TO THE SITE IN BAGS OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED, CONFORMING TO THE APPLICABLE STATE FERTILIZER LAWS, AND BEARING THE SAME TRADE NAME OR TRADE MARK, ANALYSIS AND WARRANTY OF THE PRODUCER. FERTILIZER SHALL BE APPLIED AT THE RATE OF .5 POUNDS OF ACTUAL NITROGEN, 1.0 POUNDS OF ACTUAL PHOSPHORUS, AND .5 POUNDS OF ACTUAL POTASSIUM PER 1,000 SQUARE FEET.

2.2. WHEN APPLYING FERTILIZER, THE CONTRACTOR SHALL AVOID APPLICATION PRIOR TO HEAVY RAIN OR INTENSE STORMS.

3. WATER.

3.1. WATER SHALL NOT CONTAIN SUBSTANCES IN THE AMOUNTS CONSIDERED HARMFUL FOR THE NORMAL GROWTH OF VEGETATION. THE CONTRACTOR SHALL SUPPLY WATER AND WATERING EQUIPMENT AS REQUIRED FOR THE ESTABLISHMENT AND MAINTENANCE OF GRASSED AREAS.

4. SITE PREPARATION

4.1. PROJECT COORDINATION. AFTER THE CONSTRUCTION HAS BEEN COMPLETED, (EXCEPT AS PROVIDED BELOW), THE SITE HAS BEEN BROUGHT TO FINAL GRADES AS SHOWN ON THE PLANS, AND OTHER PLANTINGS HAVE BEEN ACCOMPLISHED, THE CONTRACTOR SHALL PREPARE THE AREAS TO BE GRASSED AS SPECIFIED. WHEN SO DIRECTED OR PERMITTED BY THE ENGINEER, PORTIONS OF THE CONSTRUCTION SITE MAY BE GRASSED AT DIFFERENT PERIODS OF TIME PROVIDED THAT THE PLANTING OCCURS IN PROPER SEASONS AS SPECIFIED. ANY GRASSED AREAS DAMAGED BY SUBSEQUENT OPERATIONS OF THE CONTRACTOR SHALL BE REPLANTED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

4.2. NO-TILL. IT IS PREFERRED FOR THE AREAS OUTSIDE OF THE GRADING LIMITS TO BE NO-TILLED INTO THE EXISTING STUBBLE. NO SITE PREPARATION IS REQUIRED BEFORE NO-TILL SEEDING. AREAS TO BE TILLED (WITHIN GRADING LIMITS) SHALL BE PREPARED PER THE FOLLOWING NOTES.

4.3. TILLAGE. THE AREAS REQUIRED TO BE GRASSED SHALL BE PREPARED FOR PLANTING BY CULTIVATION, REMOVAL OF ALL OBJECTIONABLE MATERIAL, AND FILLING OF GULLIES OR DEPRESSIONS. THE SOIL PREPARATION SHALL BE ACCOMPLISHED BY DISKING, HARROWING AND FIRMING. (PLOWING WILL ALSO BE REQUIRED IF SO INDICATED ON THE PLANS.) THE MINIMUM DEPTH OF SOIL PREPARATION SHALL BE THREE (3) INCHES. EXISTING WEED STUBBLE, SMALL WEEDS AND GRASS THAT CAN BE DISKED SHALL BE CUT BY THE DISK AND PARTIALLY INCORPORATED INTO THE SOIL.

4.4. SEVERAL DISKINGS AND HARROWINGS OVER SOME AREAS MAY BE REQUIRED TO PROVIDE A SATISFACTORY SEEDBED. AREAS TOO STEEP OR OTHERWISE INACCESSIBLE FOR DISKING SHALL BE PREPARED BY HAND METHODS. THE MINIMUM DEPTH OF PREPARATION OF THE SEEDBED WHERE HAND METHODS MUST BE EMPLOYED SHALL BE TWO (2) INCHES. DISKING, HARROWING AND RAKING SHALL BE DONE LONGITUDINALLY ON SLOPE AREAS.

4.5. THE SOIL PREPARATION ON ALL SLOPE AREAS SHALL BE PERFORMED WITH DISKS AND HARROWS UNLESS DEMONSTRATION SHOWS SUCH METHODS IMPRACTICABLE AND THAT HAND METHODS MUST BE USED.

4.6. DURING THE PROCESS OF SOIL PREPARATION, EXTREME CARE SHALL BE EXERCISED TO AVOID INJURY TO ALL TREES THAT HAVE BEEN PLANTED OR DESIGNATED BY THE ENGINEER TO BE SAVED.

4.7. THE ENGINEER MAY DESIGNATE LOCAL AREAS OF DESIRABLE NATIVE PERENNIAL GRASSES TO BE OMITTED DURING THE SOIL PREPARATION. AREAS OF ANNUAL GRASSES SUCH AS CHEAT, CRAB GRASS, TRIPLE-AWN, ETC., SHALL BE DESTROYED BY THOROUGH DISKING PRIOR TO SEEDING.

4.8. APPLICATION OF FERTILIZER. FERTILIZER SHALL BE DISTRIBUTED UNIFORMLY AT RATES SHOWN IN THE SEED MIX NOTES ON THIS PAGE AND OVER THE AREA TO BE PLANTED, AND SHALL BE INCORPORATED INTO THE SOIL TO A DEPTH OF AT LEAST 2 INCHES BY DISKING, HARROWING OR OTHER METHODS APPROVED BY THE ENGINEER. DISTRIBUTION BY MEANS OF AN APPROVED SEED DRILL OR HYDRO SEEDER EQUIPPED TO SOW SEED AND DISTRIBUTE FERTILIZER AT THE SAME TIME WILL BE ACCEPTABLE UNLESS OTHERWISE NOTED ON THE PLANS.

4.9. ADDITIONAL SOIL CONDITIONERS SHALL BE MIXED INTO THE SOIL BY DISKING, HARROWING, ETC., WHEN SPECIFIED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER AND FURNISHED BY THE OWNER.

5. SEEDING

5.1. TIME OF SEEDING. THE TWO GENERAL SEEDING SEASONS SHALL BE AS DEFINED FOR TEMPORARY AND PERMANENT SEEDING. THE PERMISSIBLE SEEDING PERIODS FOR VARIOUS SEEDS MAY BE EXTENDED A FEW DAYS IN SPECIAL CASES WHEN MULCHING IS SPECIFIED TO FOLLOW THE DRILLING OF SEEDS AND FERTILIZER.

5.2. THE ENGINEER RESERVES THE RIGHT TO DELAY THE DRILLING OR SEEDING OF ANY SEEDS OR TO VARY THE PERMISSIBLE SEEDING SEASONS LISTED ABOVE DUE TO WEATHER OR SOIL CONDITIONS OR FOR OTHER CAUSES.

5.3. SEED APPLICATION. SEEDS SHALL BE UNIFORMLY DISTRIBUTED WITH ACCEPTABLE DRILLS, HYDRAULIC SLURRY, OR OTHER EQUIPMENT APPROVED BY THE ENGINEER. BROADCASTING WITH A STANDARD GRASS SEEDER WILL BE REQUIRED ON AREAS WHERE IT IS IMPOSSIBLE TO OPERATE A DRILL AND THIS METHOD MAY ALSO BE REQUIRED FOR CERTAIN SMALL SEEDS.

5.4. WHEN A STANDARD DRILL WITH FERTILIZER ATTACHMENT IS USED, CERTAIN MIXED SEEDS MAY BE PLACED IN THE SEED BOX AND THE FERTILIZER PLACED IN THE FERTILIZER COMPARTMENT. BOTH MAY BE APPLIED DURING ONE (1) OPERATION, UNLESS NOTES ON THE PLANS REQUIRE SEPARATE APPLICATIONS. FERTILIZER MAY BE DRILLED INTO THE SOIL OR APPLIED BY HYDRAULIC-SLURRY. BROADCASTING FERTILIZERS IS PERMISSIBLE ON ROUGH, ROCKY SLOPES WHERE DRILLS CANNOT OPERATE.

5.5. ALL DRILLS SHALL BE FULLY ADJUSTABLE SO THAT THEY WILL DELIVER THE SEEDS AND FERTILIZER AT THE RATES SPECIFIED ON THE PLANS OR ORDERED BY THE ENGINEER. DRILLS THAT ARE IN POOR REPAIR OR THAT DO NOT DELIVER THE SEEDS AND FERTILIZER UNIFORMLY IN EACH DRILL FURROW, SHALL NOT BE USED. DRILLS SHALL BE ADJUSTABLE SO THAT THE SEEDS CAN BE PLANTED AND COVERED A MAXIMUM DEPTH OF 1/2 INCH.

5.6. MOST OF THE SEEDS SHOULD BE DRILLED ABOUT ONE-HALF (1/2) INCH DEEP IN A WELL- PREPARED AND FIRM SEEDBED. WHEN THE FERTILIZING AND SEEDING OPERATIONS START ON AN AREA, THAT AREA SHALL BE COMPLETED AS SOON AS POSSIBLE. NO SEEDING SHALL BE DONE DURING WINDY WEATHER OR WHEN THE GROUND IS WET OR OTHERWISE NON-TILLABLE. THE GRASS SEED SHALL THEN BE COVERED, USING A FLEXIBLE TOOTHED WEEDER OR OTHER SUITABLE EQUIPMENT. AS SOON AS THIS COVERING OPERATION HAS BEEN COMPLETED, THE SEEDED AREA SHALL BE ROLLED AGAIN WITH THE CULTI-PACKER, THE CULTI-PACKER BEING RUN OVER THE AREA ONLY ONCE PARALLEL WITH THE CONTOURS OF THE GROUND.

6. MULCHING.

6.1. APPLYING HAY MULCH - HAY MULCH SHALL BE THE REQUIRED MULCHING MATERIAL FOR PERMANENT SEEDING, UNLESS SPECIFIED OTHERWISE ON THE PLANS OR DIRECTED BY THE ENGINEER. THE HAY SHALL NOT CONTAIN AN EXCESSIVE QUANTITY OF NOXIOUS WEED SEEDS. THE MULCH SHALL BE A SHARP GRADE PRAIRIE HAY, SEDAN GRASS HAY OR BROOM SEDGE OR ANY OTHER TYPE OF NATIVE HAY OR GRASS. STRAW SHALL BE 8 INCHES MINIMUM; 50% SHALL BE 10 INCHES IN LENGTH OR LONGER.

6.2. AFTER SEEDING OPERATIONS ARE COMPLETE THE MULCH SHALL BE SPACED UNIFORMLY BY HAND, MANURE SPREADER, OR OTHER SUITABLE EQUIPMENT. THE MULCH SHALL BE ANCHORED TO THE SOIL BY A V-TYPE WHEEL LAND PACKER, A DISK HARROW SET TO CUT SLIGHTLY, OR OTHER SUITABLE EQUIPMENT WHICH WILL SECURE THE MULCH FIRMLY INTO THE GROUND 2 INCHES OR MORE TO FORM A SOIL-BINDING MULCH AND PREVENT LOSS OR BUNCHING BY WIND. SPACING BETWEEN DISKS SHALL NOT EXCEED 8 INCHES. APPLY HAY MULCH AT THE RATE OF 2 TONS PER ACRE OR 90 LBS. PER 1000 SQ. FT.

6.3. APPLYING WOOD CELLULOSE FIBER MULCH - WOOD CELLULOSE FIBER MULCH MAY BE USED IN LIEU OF HAY MULCH WHEN THE CONTRACTOR ELECTS TO USE A HYDRO SEEDER AND THE METHOD IS APPROVED BY THE ENGINEER. WOOD CELLULOSE FIBER MULCH SHALL BE APPLIED AT THE MINIMUM RATE OF 2500 POUNDS PER ACRE, UNLESS SPECIFIED OTHERWISE.

7. WATERING.

7.1. THE CONTRACTOR SHALL WATER THE SEEDED AREAS AS REQUIRED TO ASSURE AN ACCEPTABLE STAND OF GRASS.

8. PROTECTION AND MAINTENANCE.

8.1. THE GRASSED AREA SHALL BE PROTECTED AGAINST TRAFFIC OR OTHER USE IMMEDIATELY AFTER PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CARE OF THE GRASSED AREA UNTIL ALL WORK ON THE ENTIRE CONTRACT HAS BEEN COMPLETED AND ACCEPTED, OR A MINIMUM PERIOD OF 30 DAYS, WHICHEVER IS THE LONGEST DURATION. THE CONTRACTOR WILL BE RELIEVED FROM WATERING GRASSED AREAS ACCEPTED BY THE ENGINEER AND THE OWNER.

8.2. ALL PLANTED AREAS SHALL BE GROWING WHEN ACCEPTED. AREAS NOT SHOWING A STAND OF GRASS OR EVIDENCE OF GROWTH SHALL BE REPLANTED IN ACCORDANCE WITH THESE SPECIFICATIONS. ALL COSTS IN CONNECTION WITH REPLANTING GRASSED AREAS SHALL BE BORNE BY THE CONTRACTOR UNTIL AN ACCEPTABLE STAND OF GRASS IS OBTAINED, WITH NO ADDITIONAL COST TO THE PROJECT.

9. PAYMENT

9.1. ALL SEEDING OPERATIONS THROUGHOUT THE ENTIRE COURSE OF THE PROJECT FOR TEMPORARY AND PERMANENT SEEDING, SOIL PREPARATION, FERTILIZER APPLICATION, MULCHING, WATERING, AND ALL OTHER ASSOCIATED WORK, DESCRIBED ON THE SEEDING SHEETS, SHALL BE PAID FOR AS THE BID ITEM "PROJECT SEEDING, L.S." THIS BID ITEM INCLUDES ALL RE-SEEDING ACTIVITIES AND ANY ASSOCIATED WORK NECESSARY.

TEMPORARY SEEDING

TEMPORARY SEED NOTES

1. TEMPORARY SEEDING SHALL BE INSTALLED AS TEMPORARY COVER AFTER GRADING AND/OR CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED IN AN AREA OF THE PROJECT. TEMPORARY SEED SHALL BE INSTALLED WHEN:

1.1. CONSTRUCTION ACTIVITY WILL CEASE FOR AT LEAST 28 DAYS; OR
1.2. WITHIN 21 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA; OR,
1.3. WHEN PERMANENT SEEDING CANNOT TAKE PLACE WITHIN THE SPECIFIED PLANTING WINDOW.

2. TEMPORARY SEEDING SHALL BE PLACED VIA APPROPRIATE SEED DRILL. THE TEMPORARY SEED MIX IS AS FOLLOWS:

ANNUAL RYE 20#/ ACRE

3. TEMPORARY SEED MAY BE PLACED ANY TIME DURING CONSTRUCTION.

4. PROTECT SEEDED AREAS FROM EROSION BY SPREADING WEED-FREE STRAW MULCH TO FORM A CONTINUOUS BLANKET 1-1/2" LOOSE DEPTH AND CRIMP IN TO SOIL BY SUITABLE METHODS.

5. DO NOT SEED OR WORK SOIL WHEN THERE IS STANDING OR RUNNING WATER PRESENT IN DISTURBED AREAS.

6. SEEDING PROCESS: REFER TO SEEDING NOTES.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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No. 24144
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CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

SEEDING

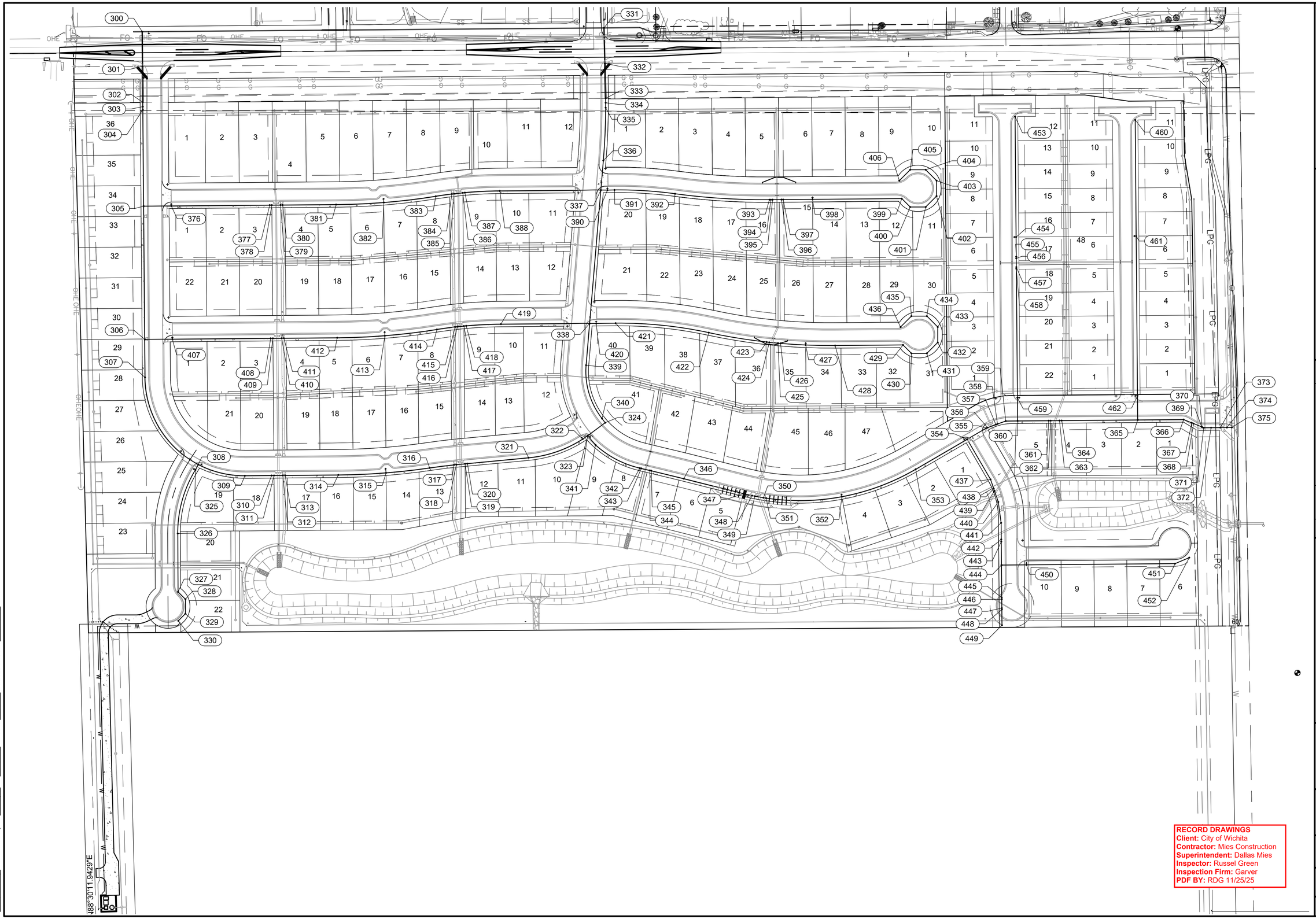
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:14 AM Plotter used: None



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CITY OF WICHITA

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER COORDINATES

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:15 AM Plotter used: None

Water Point Table					
Point #	Northing	Easting	Grdi Northing	Grid Easting	Description
300	1670586.61	1681244.35	1670427.52	1681084.24	CONNECT TO MAIN
301	1670587.26	1681323.34	1670428.17	1681163.23	END DIR DRILL
302	1670587.93	1681405.31	1670428.84	1681245.19	END CASING
303	1670588.02	1681415.31	1670428.93	1681255.19	45° BEND (VERT)
304	1670588.07	1681422.24	1670428.98	1681262.12	45° BEND (VERT)
305	1670589.89	1681642.41	1670430.80	1681482.27	TEE
306	1670592.39	1681946.39	1670433.30	1681786.22	TEE
307	1670593.11	1682033.39	1670434.02	1681873.21	PC CURVE #1
308	1670714.66	1682231.94	1670555.55	1682071.74	TEE
309	1670820.97	1682257.52	1670661.85	1682097.31	PT CURVE #1
310	1670881.90	1682257.01	1670722.78	1682096.81	45° BEND (VERT)
311	1670887.38	1682256.97	1670728.26	1682096.77	45° BEND (VERT)
312	1670907.38	1682256.80	1670748.26	1682096.60	45° BEND (VERT)
313	1670912.90	1682256.76	1670753.78	1682096.56	45° BEND (VERT)
314	1671034.14	1682255.76	1670875.01	1682095.56	PC CURVE #2
315	1671142.94	1682250.98	1670983.80	1682090.77	FH
316	1671242.38	1682239.75	1671083.23	1682079.55	PRC CURVES 2-3
317	1671297.97	1682232.77	1671138.82	1682072.57	PT-45° BEND (VERT)
318	1671303.30	1682232.27	1671144.15	1682072.07	45° BEND (VERT)
319	1671323.21	1682230.35	1671164.05	1682070.15	45° BEND (VERT)
320	1671328.54	1682229.87	1671169.38	1682069.67	45° BEND (VERT)
321	1671468.09	1682216.60	1671308.92	1682056.41	PC CURVE #4
322	1671591.49	1682174.03	1671432.30	1682013.83	PT & FH
323	1671602.95	1682166.38	1671443.76	1682006.18	TEE
324	1671642.80	1682136.65	1671483.61	1681976.46	90° BEND CONNECT TO LINE 3
325	1670708.06	1682244.29	1670548.96	1682084.09	FH & PC CURVE #5
326	1670667.77	1682389.40	1670508.68	1682229.19	PT CURVE #5
327	1670668.37	1682522.58	1670509.27	1682362.35	45° BEND
328	1670685.25	1682539.45	1670526.15	1682379.23	45° BEND
329	1670685.25	1682572.36	1670526.15	1682412.13	45° BEND
330	1670669.01	1682588.60	1670509.92	1682428.36	BLOWOFF
331	1671640.13	1681235.66	1671480.94	1681075.56	CONNECT TO MAIN
332	1671642.17	1681316.34	1671482.98	1681156.23	END OF DIR DRILL
333	1671644.02	1681396.47	1671484.83	1681236.35	END OF CASING
334	1671644.06	1681406.47	1671484.87	1681246.35	HORIZ. DEFLECTION
335	1671644.09	1681417.64	1671484.90	1681257.51	PC CURVE #6
336	1671638.73	1681538.33	1671479.54	1681378.19	PT CURVE #6
337	1671633.04	1681605.60	1671473.85	1681445.46	CROSS
338	1671607.42	1681909.95	1671448.23	1681749.78	CROSS
339	1671599.38	1682005.33	1671440.19	1681845.16	PC CURVE #7

Water Point Table					
Point #	Northing	Easting	Grdi Northing	Grid Easting	Description
340	1671635.64	1682127.05	1671476.45	1681966.86	PT CURVE #7
341	1671620.82	1682187.14	1671461.63	1682026.95	PC CURVE #8
342	1671721.99	1682240.16	1671562.80	1682079.96	PRC CURVES 8-9 45° BEND (VERT)
343	1671725.30	1682240.93	1671566.10	1682080.73	45° BEND (VERT)
344	1671744.78	1682245.45	1671585.58	1682085.25	45° BEND (VERT)
345	1671748.10	1682246.23	1671588.90	1682086.03	45° BEND (VERT)
346	1671822.32	1682264.27	1671663.11	1682104.07	PT CURVE #9
347	1671958.32	1682298.45	1671799.10	1682138.24	PC CURVE #10
348	1671978.24	1682303.04	1671819.02	1682142.84	45° BEND (VERT)
349	1671984.36	1682304.29	1671825.13	1682144.09	45° BEND (VERT)
350	1672004.05	1682307.80	1671844.82	1682147.60	45° BEND (VERT)
351	1672010.18	1682308.74	1671850.96	1682148.54	45° BEND (VERT)
352	1672182.93	1682305.40	1672023.69	1682145.20	FH
353	1672351.29	1682242.82	1672192.03	1682082.62	PT CURVE #10
354	1672468.81	1682174.37	1672309.54	1682014.18	TEE
355	1672512.53	1682148.91	1672353.26	1681988.72	11.25° BEND, 45° BEND (VERT)
356	1672515.51	1682147.82	1672356.23	1681987.63	45° BEND (VERT)
357	1672534.29	1682140.96	1672375.02	1681980.77	45° BEND (VERT)
358	1672538.00	1682139.60	1672378.72	1681979.41	45° BEND (VERT)
359	1672556.85	1682132.72	1672397.57	1681972.53	22.5° BEND
360	1672583.88	1682132.49	1672424.60	1681972.30	TEE
361	1672654.90	1682131.91	1672495.61	1681971.72	45° BEND (VERT)
362	1672659.47	1682131.87	1672500.18	1681971.68	45° BEND (VERT)
363	1672679.47	1682131.70	1672520.18	1681971.52	45° BEND (VERT)
364	1672684.50	1682131.66	1672525.21	1681971.47	45° BEND (VERT)
365	1672857.87	1682130.23	1672698.56	1681970.05	TEE
366	1672962.58	1682129.37	1672803.26	1681969.18	22.5° BEND
367	1672981.32	1682136.95	1672822.00	1681976.76	45° BEND (VERT)
368	1672985.36	1682138.59	1672826.04	1681978.40	45° BEND (VERT)
369	1673003.90	1682146.09	1672844.58	1681985.90	45° BEND (VERT)
370	1673004.81	1682146.46	1672845.49	1681986.27	45° BEND (VERT)
371	1673008.61	1682147.99	1672849.29	1681987.80	22.5° BEND
372	1673025.36	1682147.85	1672866.04	1681987.66	BEG CASING
373	1673046.36	1682147.68	1672887.03	1681987.49	END CASING
374	1673061.38	1682147.56	1672902.05	1681987.37	PVI
375	1673072.50	1682147.47	1672913.18	1681987.27	CONNECT TO EXISTING
376	1670652.89	1681641.89	1670493.79	1681481.75	FH
377	1670877.63	1681640.04	1670718.51	1681479.90	45° BEND (VERT)
378	1670882.30	1681640.00	1670723.18	1681479.86	45° BEND (VERT)
379	1670902.30	1681639.83	1670743.18	1681479.69	45° BEND (VERT)

Water Point Table					
Point #	Northing	Easting	Grdi Northing	Grid Easting	Description
380	1670906.98	1681639.80	1670747.86	1681479.65	45° BEND (VERT)
381	1671029.06	1681638.79	1670869.92	1681478.65	PC CURVE #11
382	1671137.89	1681634.00	1670978.74	1681473.85	FH
383	1671256.52	1681619.81	1671097.36	1681459.67	PRC CURVES 11-12
384	1671293.16	1681614.67	1671134.00	1681454.53	45° BEND (VERT)
385	1671298.20	1681614.08	1671139.05	1681453.94	45° BEND (VERT)
386	1671318.09	1681611.98	1671158.93	1681451.84	45° BEND (VERT)
387	1671322.76	1681611.55	1671163.60	1681451.41	45° BEND (VERT)
388	1671402.44	1681607.63	1671243.27	1681447.50	PT CURVE #12
390	1671648.03	1681605.81	1671488.84	1681445.67	FH
391	1671664.17	1681605.48	1671504.98	1681445.34	PC CURVE #13
392	1671802.31	1681614.14	1671643.10	1681454.00	PRC CURVES 13-14
393	1672017.64	1681627.65	1671858.41	1681467.51	PT CURVE #14
394	1672020.96	1681627.62	1671861.73	1681467.48	45° BEND (VERT)
395	1672024.96	1681627.59	1671865.73	1681467.45	45° BEND (VERT)
396	1672044.96	1681627.43	1671885.73	1681467.28	45° BEND (VERT)
397	1672048.96	1681627.39	1671889.73	1681467.25	45° BEND (VERT)
398	1672115.96	1681626.84	1671956.72	1681466.70	FH
399	1672319.70	1681625.16	1672160.45	1681465.02	45° BEND
400	1672338.89	1681644.36	1672179.64	1681484.21	45° BEND
401	1672374.10	1681644.36	1672214.84	1681484.21	45° BEND
402	1672399.00	1681619.46	1672239.73	1681459.32	45° BEND
403	1672399.00	1681584.25	1672239.73	1681424.12	45° BEND
404	1672374.10	1681559.36	1672214.84	1681399.22	45° BEND
405	1672338.89	1681559.36	1672179.64	1681399.22	45° BEND
406	1672314.00	1681584.25	1672154.75	1681424.12	BLOWOFF
407	1670655.39	1681945.87	1670496.29	1681785.70	FH
408	1670879.78	1681944.02	1670720.67	1681783.85	45° BEND (VERT)
409	1670884.80	1681943.98	1670725.69	1681783.81	45° BEND (VERT)
410	1670904.80	1681943.81	1670745.68	1681783.64	45° BEND (VERT)
411	1670909.78	1681943.77	1670750.66	1681783.60	45° BEND (VERT)
412	1671031.56	1681942.77	1670872.43	1681782.60	PC CURVE #15
413	1671140.36	1681937.98	1670981.22	1681777.81	FH
414	1671259.02	1681923.79	1671099.87	1681763.62	PRC CURVES 15-16
415	1671300.53	1681918.08	1671141.37	1681757.91	45° BEND (VERT)
416	1671305.68	1681917.49	1671146.52	1681757.32	45° BEND (VERT)
417	1671320.60	1681915.96	1671161.44	1681755.79	45° BEND (VERT)
418	1671325.80	1681915.48	1671166.64	1681755.31	45° BEND (VERT)
419	1671404.94	1681911.61	1671245.77	1681751.45	PT CURVE #16
420	1671622.42	1681910.16	1671463.23	1681749.99	FH

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
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(316) 264-8008

ERIC JOHN GLOVER
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24435
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER POINT TABLE 1

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
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SHEET NUMBER 35 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings\T41-2400521-COORDINATES.dwg Last Save: 2/5/2025 8:52 AM Last saved by: DRSTANDRICH
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:15 AM Plotter used: None

Water Point Table					
Point #	Northing	Easting	Grdi Northing	Grid Easting	Description
421	1671666.68	1681909.46	1671507.48	1681749.29	PC CURVE #17
422	1671879.41	1681931.10	1671720.19	1681770.93	PRC CURVES 17-18
423	1672011.55	1681952.49	1671852.33	1681792.32	45° BEND (VERT)
424	1672017.36	1681953.12	1671858.14	1681792.95	45° BEND (VERT)
425	1672037.27	1681955.07	1671878.04	1681794.90	45° BEND (VERT)
426	1672043.05	1681955.58	1671883.82	1681795.41	45° BEND (VERT)
427	1672100.30	1681959.26	1671941.06	1681799.09	FH
428	1672167.48	1681960.42	1672008.24	1681800.24	PT CURVE #18
429	1672322.45	1681959.14	1672163.20	1681798.97	45° BEND
430	1672341.65	1681978.33	1672182.39	1681818.16	45° BEND
431	1672376.85	1681978.33	1672217.59	1681818.16	45° BEND
432	1672401.75	1681953.44	1672242.49	1681793.27	45° BEND
433	1672401.75	1681918.23	1672242.49	1681758.06	45° BEND
434	1672376.85	1681893.34	1672217.59	1681733.17	45° BEND
435	1672341.65	1681893.34	1672182.39	1681733.17	45° BEND
436	1672316.75	1681918.23	1672157.50	1681758.06	BLOWOFF
437	1672522.16	1682265.97	1672362.89	1682105.77	11.25° BEND
438	1672529.44	1682287.15	1672370.17	1682126.95	45° BEND (VERT)
439	1672531.12	1682292.03	1672371.85	1682131.82	45° BEND (VERT)
440	1672539.83	1682317.36	1672380.55	1682157.15	11.25° BEND
441	1672546.31	1682365.15	1672387.03	1682204.94	11.25° BEND
442	1672546.62	1682402.89	1672387.34	1682242.67	45° BEND (VERT)
443	1672546.66	1682407.88	1672387.38	1682247.66	45° BEND (VERT)
444	1672547.10	1682461.46	1672387.82	1682301.24	TEE
445	1672547.71	1682535.92	1672388.44	1682375.70	45° BEND (VERT)
446	1672547.74	1682539.53	1672388.47	1682379.31	45° BEND (VERT)
447	1672547.91	1682559.53	1672388.63	1682399.30	45° BEND (VERT)
448	1672547.94	1682562.97	1672388.66	1682402.74	45° BEND (VERT)
449	1672548.23	1682598.63	1672388.95	1682438.40	BLOWOFF
450	1672604.10	1682460.99	1672444.82	1682300.77	FH
451	1672943.12	1682458.19	1672783.81	1682297.97	22.5° BEND
452	1672975.54	1682444.45	1672816.22	1682284.23	BLOWOFF
453	1672578.15	1681437.94	1672418.88	1681277.82	BLOWOFF
454	1672580.42	1681712.93	1672421.14	1681552.78	FH
455	1672580.79	1681757.63	1672421.51	1681597.47	45° BEND (VERT)
456	1672580.82	1681761.51	1672421.54	1681601.35	45° BEND (VERT)
457	1672580.99	1681781.50	1672421.71	1681621.35	45° BEND (VERT)
458	1672581.02	1681785.43	1672421.74	1681625.27	45° BEND (VERT)
459	1672583.44	1682079.49	1672424.16	1681919.31	FH
460	1672852.23	1681445.68	1672692.92	1681285.56	BLOWOFF

Water Point Table					
Point #	Northing	Easting	Grdi Northing	Grid Easting	Description
461	1672854.41	1681710.67	1672695.11	1681550.52	FH
462	1672857.42	1682075.24	1672698.11	1681915.05	FH

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
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ERIC JOHN GLOVER
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16144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

WATER POINT TABLE 2

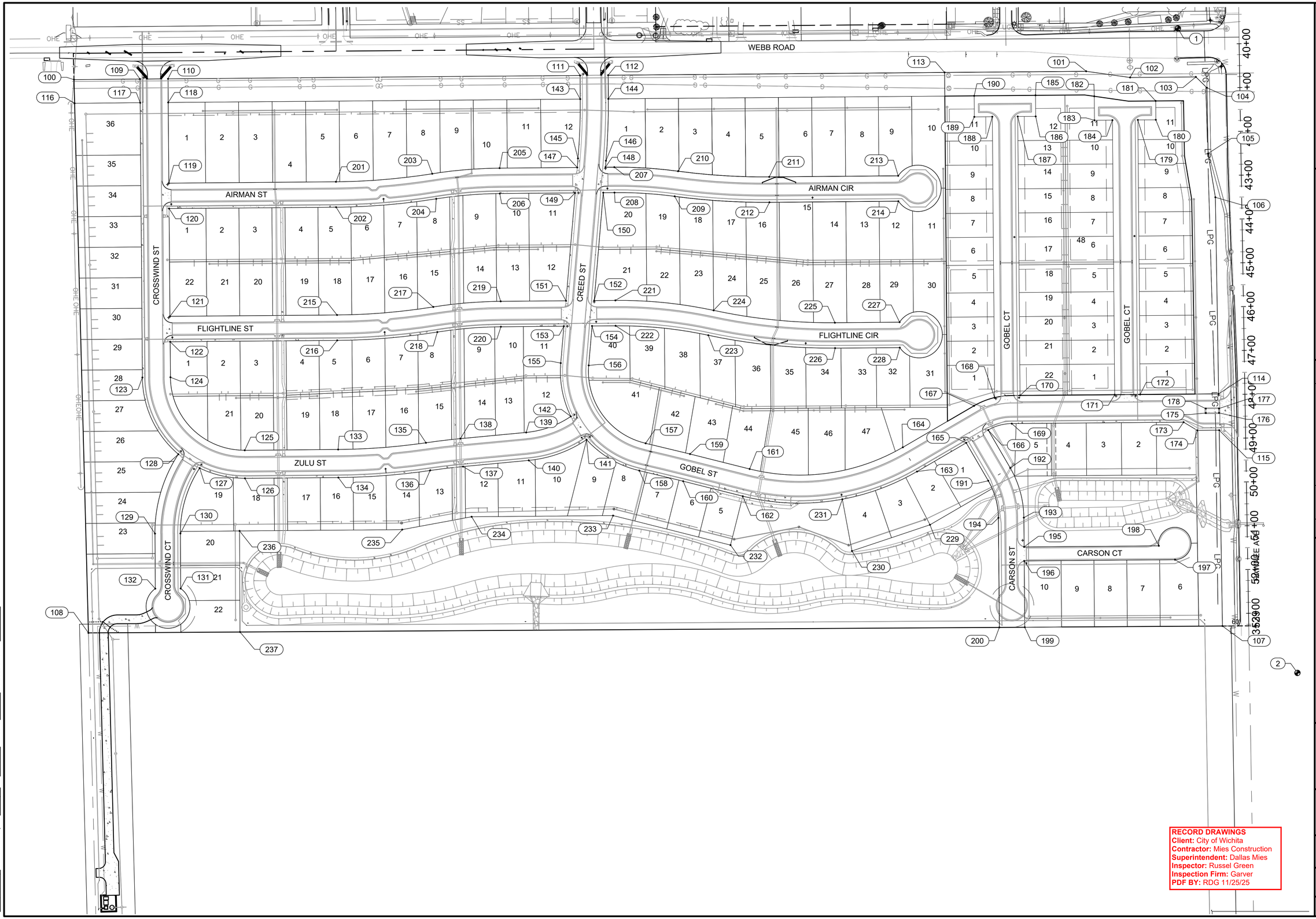
JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
-

SHEET NUMBER 36 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:15 AM Plotter used: None



RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
No. 21744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

ADDITION COORDINATES

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
■

SHEET NUMBER 37 OF 46

File: L:\2024\T41-2400521 - Pegasus Addition Design\Drawings\T41-2400521-COORDINATES.dwg Last Save: 2/5/2025 8:52 AM Last saved by: DRSTANDRICH
Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:15 AM Plotter used: None

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
100	1670430.95	1681353.63	1670271.88	1681193.52	ADDITION COR
101	1672740.33	1681334.60	1672581.03	1681174.48	ADDITION COR
102	1672840.59	1681348.77	1672681.29	1681188.66	ADDITION COR
103	1672990.59	1681347.54	1672831.27	1681187.42	ADDITION COR
104	1673015.99	1681372.33	1672856.67	1681212.21	ADDITION COR
105	1673018.47	1681522.31	1672859.15	1681362.18	ADDITION COR
106	1673035.12	1681622.18	1672875.80	1681462.04	ADDITION COR
107	1673051.29	1682600.57	1672891.97	1682440.34	ADDITION COR
108	1670463.94	1682616.30	1670304.86	1682456.07	ADDITION COR
109	1670581.50	1681352.39	1670422.41	1681192.28	RESERVE COR
110	1670645.50	1681351.87	1670486.40	1681191.75	RESERVE COR
111	1671585.62	1681344.12	1671426.43	1681184.00	RESERVE COR
112	1671649.62	1681343.59	1671490.42	1681183.47	RESERVE COR
113	1672417.32	1681337.26	1672258.06	1681177.15	RESERVE COR
114	1673042.54	1682070.71	1672883.21	1681910.53	RESERVE COR
115	1673043.91	1682153.70	1672884.58	1681993.51	RESERVE COR
116	1670432.36	1681407.62	1670273.29	1681247.50	BLOCK COR
117	1670581.94	1681406.39	1670422.85	1681246.27	BLOCK COR
118	1670645.94	1681405.86	1670486.84	1681245.74	BLOCK COR
119	1670647.46	1681589.93	1670488.36	1681429.80	BLOCK COR

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
120	1670647.94	1681647.93	1670488.84	1681487.79	BLOCK COR
121	1670649.96	1681893.91	1670490.87	1681733.75	BLOCK COR
122	1670650.44	1681951.91	1670491.34	1681791.74	BLOCK COR
123	1670587.01	1682033.44	1670427.92	1681873.26	PC
124	1670651.11	1682032.91	1670492.01	1681872.73	PC
125	1670820.49	1682199.52	1670661.38	1682039.32	PT
126	1670821.02	1682263.62	1670661.90	1682103.41	PT
127	1670717.73	1682240.20	1670558.62	1682080.00	BLOCK COR
128	1670669.13	1682208.54	1670510.04	1682048.34	BLOCK COR
129	1670615.77	1682389.64	1670456.68	1682229.42	PT
130	1670673.77	1682389.38	1670514.67	1682229.16	PT
131	1670674.34	1682515.05	1670515.24	1682354.82	BLOCK COR
132	1670616.34	1682515.31	1670457.24	1682355.08	BLOCK COR
133	1671033.66	1682197.76	1670874.53	1682037.57	PC
134	1671034.19	1682261.86	1670875.06	1682101.66	PC
135	1671233.99	1682182.36	1671074.84	1682022.17	PRC
136	1671243.26	1682245.79	1671084.11	1682085.58	PRC
137	1671318.60	1682236.65	1671159.44	1682076.45	PT
138	1671312.63	1682172.93	1671153.47	1682012.74	PT
139	1671462.67	1682158.86	1671303.50	1681998.66	PC

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
140	1671468.66	1682222.68	1671309.49	1682062.48	PC
141	1671600.44	1682175.43	1671441.26	1682015.23	BLOCK COR
142	1671564.57	1682122.30	1671405.39	1681962.12	BLOCK COR
143	1671585.96	1681398.12	1671426.78	1681238.00	BLOCK COR
144	1671650.06	1681397.59	1671490.87	1681237.47	BLOCK COR
145	1671580.83	1681533.45	1671421.65	1681373.32	PT
146	1671644.71	1681538.83	1671485.52	1681378.70	PT
147	1671579.19	1681554.18	1671420.00	1681394.04	BLOCK COR
148	1671643.46	1681553.65	1671484.27	1681393.51	BLOCK COR
149	1671574.19	1681612.32	1671415.00	1681452.18	BLOCK COR
150	1671638.57	1681611.69	1671479.38	1681451.55	BLOCK COR
151	1671553.55	1681858.39	1671394.37	1681698.22	BLOCK COR
152	1671617.83	1681857.86	1671458.64	1681697.69	BLOCK COR
153	1671548.66	1681916.43	1671389.48	1681756.26	BLOCK COR
154	1671612.94	1681915.90	1671453.75	1681755.73	BLOCK COR
155	1671541.58	1682000.46	1671382.40	1681840.29	PC
156	1671605.36	1682005.84	1671446.17	1681845.66	PC
157	1671735.20	1682183.69	1671576.00	1682023.49	PRC
158	1671720.89	1682246.07	1671561.70	1682085.87	PRC
159	1671836.46	1682208.02	1671677.25	1682047.82	PT

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
160	1671820.83	1682270.19	1671661.63	1682109.98	PT
161	1671972.48	1682242.20	1671813.26	1682082.00	PC
162	1671956.86	1682304.37	1671797.64	1682144.16	PC
163	1672354.35	1682248.10	1672195.09	1682087.90	PT
164	1672322.09	1682192.71	1672162.83	1682032.52	PT
165	1672466.65	1682182.58	1672307.38	1682022.38	BLOCK COR
166	1672516.77	1682153.39	1672357.49	1681993.19	BLOCK COR
167	1672484.55	1682098.08	1672325.28	1681937.90	PC
168	1672531.44	1682079.31	1672372.16	1681919.13	BLOCK COR
169	1672570.63	1682138.70	1672411.35	1681978.51	PT
170	1672589.40	1682074.45	1672430.12	1681914.26	BLOCK COR
171	1672805.39	1682072.66	1672646.09	1681912.48	BLOCK COR
172	1672863.39	1682072.19	1672704.09	1681912.00	BLOCK COR
173	1672962.63	1682135.37	1672803.31	1681975.18	BLOCK COR
174	1672993.82	1682154.11	1672834.50	1681993.92	BLOCK COR
175	1673013.43	1682114.45	1672854.10	1681954.26	RESERVE COR
176	1673043.42	1682114.20	1672884.10	1681954.02	RESERVE COR
177	1673043.34	1682104.20	1672884.02	1681944.02	RESERVE COR
178	1673013.34	1682104.45	1672854.02	1681944.27	RESERVE COR
179	1672858.23	1681445.63	1672698.92	1681285.51	BLOCK COR

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
180	1672899.23	1681445.29	1672739.92	1681285.17	BLOCK COR
181	1672898.87	1681402.29	1672739.56	1681242.17	BLOCK COR
182	1672758.78	1681391.74	1672599.48	1681231.62	BLOCK COR
183	1672759.23	1681446.45	1672599.93	1681286.32	BLOCK COR
184	1672800.23	1681446.11	1672640.93	1681285.98	BLOCK COR
185	1672624.76	1681389.52	1672465.47	1681229.40	BLOCK COR
186	1672625.15	1681437.59	1672465.87	1681277.47	BLOCK COR
187	1672584.15	1681437.89	1672424.87	1681277.77	BLOCK COR
188	1672526.16	1681438.37	1672366.88	1681278.24	BLOCK COR
189	1672485.16	1681438.62	1672325.89	1681278.49	BLOCK COR
190	1672484.76	1681390.71	1672325.49	1681230.59	BLOCK COR
191	1672516.98	1682268.99	1672357.70	1682108.79	PC
192	1672567.10	1682239.80	1672407.82	1682079.60	PC
193	1672598.21	1682353.17	1672438.93	1682192.96	PT
194	1672540.21	1682353.64	1672380.94	1682193.43	PT
195	1672598.76	1682420.03	1672439.48	1682259.81	BLOCK COR
196	1672599.02	1682452.03	1672439.74	1682291.81	BLOCK COR
197	1672943.05	1682449.19	1672783.74	1682288.97	BLOCK COR
198	1672906.13	1682417.50	1672746.82	1682257.28	BLOCK COR
199	1672600.27	1682603.32	1672440.99	1682443.08	BLOCK COR

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
200	1672542.27	1682603.67	1672383.00	1682443.43	BLOCK COR
201	1671028.63	1681586.79	1670869.49	1681426.65	PC
202	1671029.10	1681644.79	1670869.97	1681484.65	PC
203	1671248.32	1681568.46	1671089.17	1681408.32	PRC
204	1671257.46	1681625.74	1671098.31	1681465.59	PRC
205	1671402.01	1681555.64	1671242.84	1681395.50	PT
206	1671402.48	1681613.63	1671243.32	1681453.49	PT
207	1671663.74	1681553.48	1671504.55	1681393.35	PC
208	1671664.22	1681611.48	1671505.03	1681451.34	PC
209	1671801.51	1681620.09	1671642.30	1681459.95	PRC
210	1671809.23	1681562.61	1671650.02	1681402.47	PRC
211	1672017.21	1681575.65	1671857.98	1681415.52	PT
212	1672017.69	1681633.65	1671858.46	1681473.51	PT
213	1672311.40	1681573.23	1672152.15	1681413.09	BLOCK COR
214	1672311.88	1681631.23	1672152.63	1681471.08	BLOCK COR
215	1671031.13	1681890.77	1670872.00	1681730.60	PC
216	1671031.61	1681948.77	1670872.48	1681788.60	PC
217	1671250.83	1681872.44	1671091.68	1681712.27	PRC
218	1671259.97	1681929.71	1671100.82	1681769.54	PRC
219	1671404.51	1681859.62	1671245.34	1681699.45	PT

Addition Point Table					
Point #	Northing	Easting	Grid Northing	Grid Easting	Description
220	1671404.99	1681917.61	1671245.82	1681757.45	PT
221	1671666.25	1681857.46	1671507.05	1681697.30	PC
222	1671666.72	1681915.46	1671507.53	1681755.29	PC
223	1671878.15	1681936.97	1671718.94	1681776.80	PRC
224	1671890.30	1681880.26	1671731.09	1681720.09	PRC
225	1672167.05	1681908.42	1672007.81	1681748.25	PT
226	1672167.52	1681966.42	1672008.28	1681806.24	PT
227	1672314.65	1681907.20	1672155.40	1681747.03	BLOCK COR
228	1672315.13	1681965.20	1672155.87	1681805.03	BLOCK COR
229	1672383.96	1682369.61	1672224.70	1682209.40	BLOCK COR
230	1672206.02	1682429.27	1672046.78	1682269.05	BLOCK COR
231	1672184.03	1682311.30	1672024.79	1682151.10	BLOCK COR
232	1671928.86	1682415.80	1671769.64	1682255.59	BLOCK COR
233	1671661.09	1682348.52	1671501.90	1682188.31	BLOCK COR
234	1671338.21	1682351.18	1671179.05	1682190.97	BLOCK COR
235	1671179.83	1682380.56	1671020.68	1682220.35	BLOCK COR
236	1670808.75	1682383.62	1670649.64	1682223.41	BLOCK COR
237	1670809.78	1682614.20	1670650.67	1682453.97	BLOCK COR

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008

ERIC JOHN GLOVER
LICENSED
19744
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

ADDITION
POINT TABLE

JOB NO.: 2400521
DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER 38 OF 46

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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:15 AM Plotter used: None

LINEAR SEDIMENT BARRIER

CONSTRUCTION ENTRANCE

100' (TYP.)

SILT FENCE

CONSTRUCTION ENTRANCE

129.39'

40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00

LEGEND

- MAINTAIN CONSTRUCTION ENTRANCE (2 EACH)
- MAINTAIN SILT FENCE (2660 LIN. FT.)
- MAINTAIN CURB INLET PROTECTION (30 EACH)
- MAINTAIN DROP INLET PROTECTION (65 EACH)
- MAINTAIN LINEAR SEDIMENT BARRIER (DITCH CHECKS) (28 EACH)

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

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1995 Midfield Road
Wichita, KS 67209
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ERIC JOHN GLOVER
LICENSED
19144
2025
KANSAS
PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
WICHITA, KANSAS

PEGASUS ADDITION
WATER

EROSION CONTROL PLAN

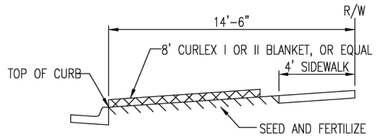
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DATE: FEB. 2025
DESIGNED BY: EJG
DRAWN BY: DRS

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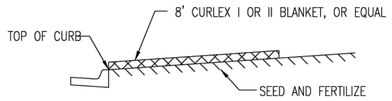
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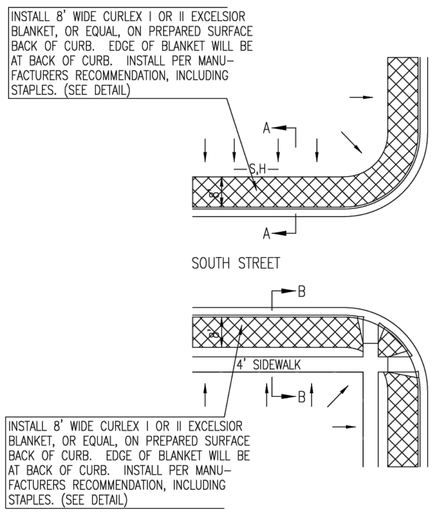
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Last plotted by: Standrich, Daryl R. Plot Style: ---- Plot Scale: 1:2.5849 Plot Date: 2/5/2025 9:16 AM Plotter used: None



SECTION B–B



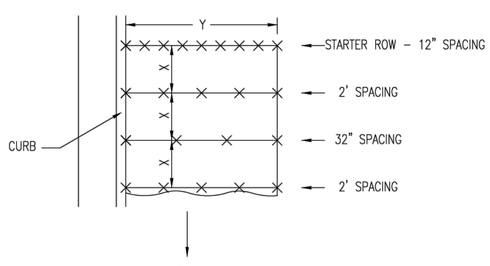
SECTION A–A

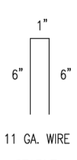


GENERAL NOTES

1. EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
2. EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
3. AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

BACK OF CURB PROTECTION DETAIL

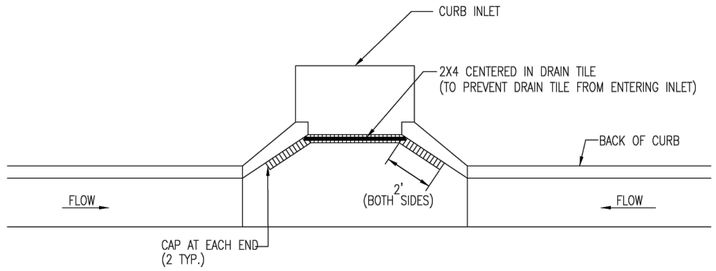




STAPLE PATTERN

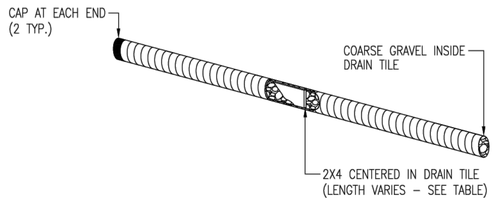
NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT



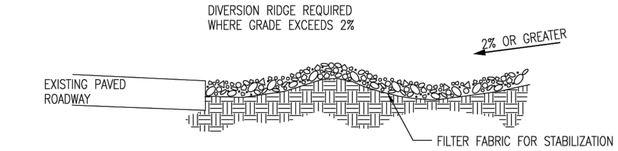
NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"–1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

2X4 LENGTH	INLET TYPE	INLET OPENING
5'–6"	1–A	5'–0"
10'–6"	1–A	10'–0"
15'–6"	1–A	15'–0"

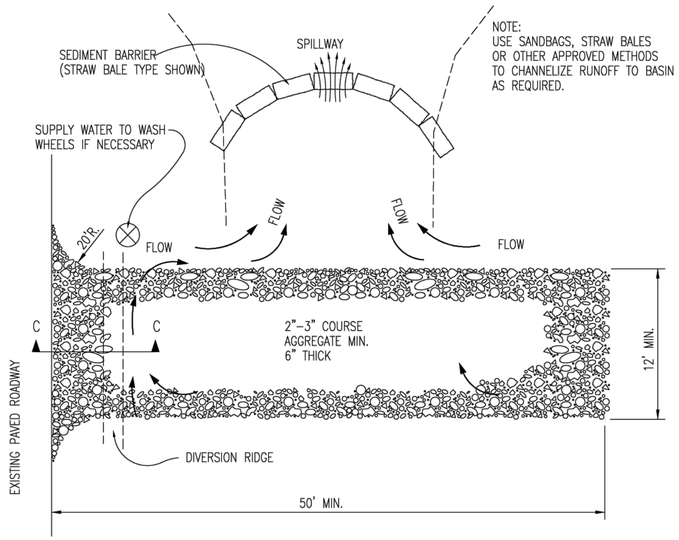


CURB INLET PROTECTION

4" PERFORATED PIPE W/ GRAVEL



SECTION C–C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

1. 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.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.
3. 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.
4. 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 DWELLING.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

REVISION DATE: MAY 2013

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/13/13

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

CITY ENGINEER
GARY JANZEN, P.E.

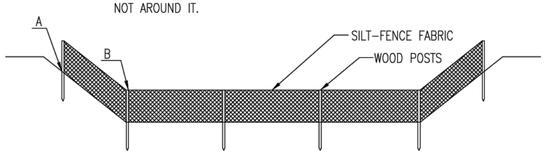
PROJECT NUMBER	OCA NUMBER	DATE
___-____	.	

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

SHEET 40 / 46

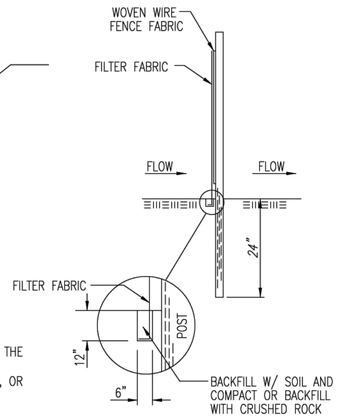
SW–501

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE SILT FENCE FABRIC AND NOT AROUND IT.



ELEVATION

SILT FENCE DITCH CHECKS
(STREAM PROTECTION)



ANCHOR TRENCH DETAIL

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED.
WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED.
SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH GRADE (%)	DITCH CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE.
EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK.
PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSTREAM SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSTREAM EDGE OF THE TRENCH.
LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON DETAIL. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE ON THE UPSTREAM SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSTREAM OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

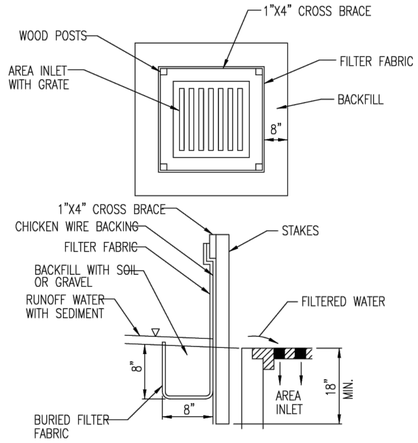
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK–NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM.
DO NOT PLACE SILT FENCE POSTS ON THE UPSTREAM SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE A SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE SILT FENCE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE.
DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SILT FENCE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS.
SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED.
WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME.
WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE.
DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET.
THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM.
CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING.
ATTACH THE WIRE OR POLYMERIC–MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

NOTE: WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

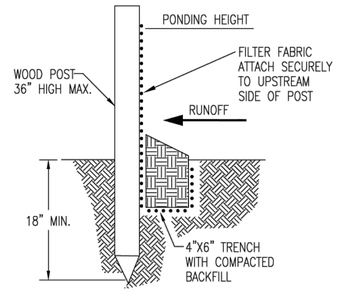
WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET–NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESISTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE SILT FENCE?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05.13.13



SILT FENCE BARRIERS

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT–OF–WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE.
MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT–FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18".
PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES.
DO NOT PLACE SILT–FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT.
SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND–SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DO THE SILT FENCES SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

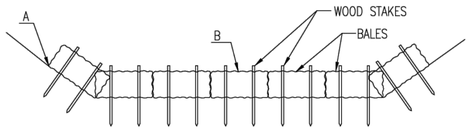
PROJECT NUMBER	OCA NUMBER	DATE
___-____	.	11/2010

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

SHEET 41 / 46

SW–502

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE BALES AND NOT AROUND THEM.



STRAW BALE DITCH CHECKS

MATERIAL SPECIFICATION:

BALE DITCH CHECKS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
OPTIONAL: THE DOWNSTREAM SCOUR APRON SHOULD BE CONSTRUCTED OF A DOUBLE-NETTED STRAW EROSION-CONTROL BLANKET AT LEAST 6' WIDE.
OPTIONAL: THE METAL LANDSCAPE STAPLES USED TO ANCHOR THE EROSION-CONTROL BLANKET SHOULD BE AT LEAST 8" LONG.

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.
THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH GRADE (%)	CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH-IT WILL BE USED LATER.
OPTIONAL: ON THE DOWNSTREAM SIDE OF THE TRENCH, ROLL OUT A LENGTH OF EROSION-CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM EDGE OF THE EROSION-CONTROL BLANKET ALONG THE BOTTOM UPSTREAM EDGE OF THE TRENCH. THE EROSION CONTROL BLANKET SHOULD BE ANCHORED IN THE TRENCH WITH ONE ROW OF 8" LANDSCAPE STAPLES PLACED ON 18" CENTERS. THE REMAINDER OF THE EROSION-CONTROL BLANKET (THE PORTION THAT IS NOT LYING IN THE TRENCH) WILL SERVE AS THE DOWNSTREAM SCOUR APRON. THIS SECTION OF THE BLANKET SHOULD BE ANCHORED TO THE GROUND WITH 8" LANDSCAPE STAPLES PLACED AROUND THE PERIMETER OF THE BLANKET ON 18" CENTERS. THE REMAINDER OF THE BLANKET SHOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES ON 18" CENTERS PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSTREAM SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP AND EXTEND UPSTREAM NO MORE THAN 24".

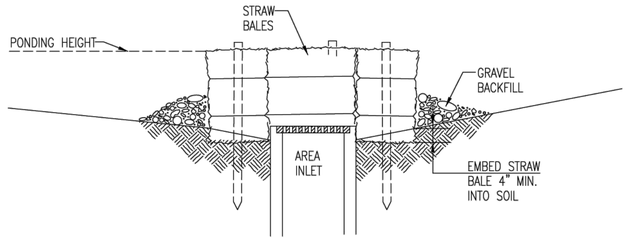
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE BALE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH-CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE.
DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

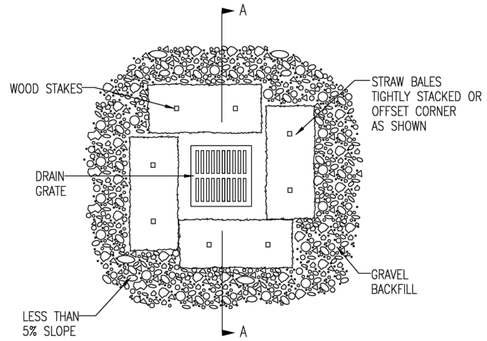
INSPECTION AND MAINTENANCE:

BALE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SECTION A-A



STRAW BALE BARRIERS FOR AREA INLETS

(INLET PROTECTION)

MATERIAL SPECIFICATION:

BALE AREA INLET BARRIERS SHOULD BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET.
WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 4" DEEP BY A BALE'S WIDTH WIDE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS.
STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.
NOTE: WHEN A BALE AREA INLET BARRIER IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

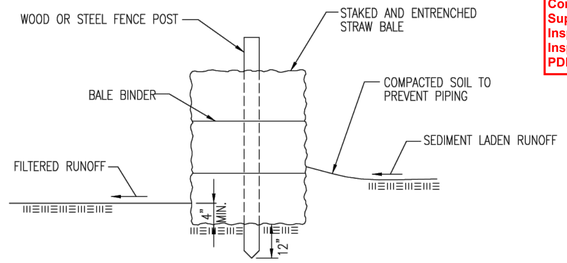
BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR.
BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE AREA INLET BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE AREA INLET BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?





STRAW BALE BARRIERS

MATERIAL SPECIFICATION:

BALE SLOPE BARRIERS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
BALE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICAL, DO NOT PLACE BALE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. CONCENTRATED FLOW OVER A SLOPE BARRIER CREATES A SCOUR HOLE ON THE DOWNSLOPE SIDE OF THE BARRIER. THE SCOUR HOLE EVENTUALLY UNDERMINES THE BALES AND THE BARRIER FAILS.
DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE SLOPE BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STRAW BALE DITCH CHECK AND BARRIER DETAILS

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 42 / 46

SW-503

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

GENERAL NOTES

1. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPES OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.

2. EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE DISTURBED EARTH IS RESTABILIZED.

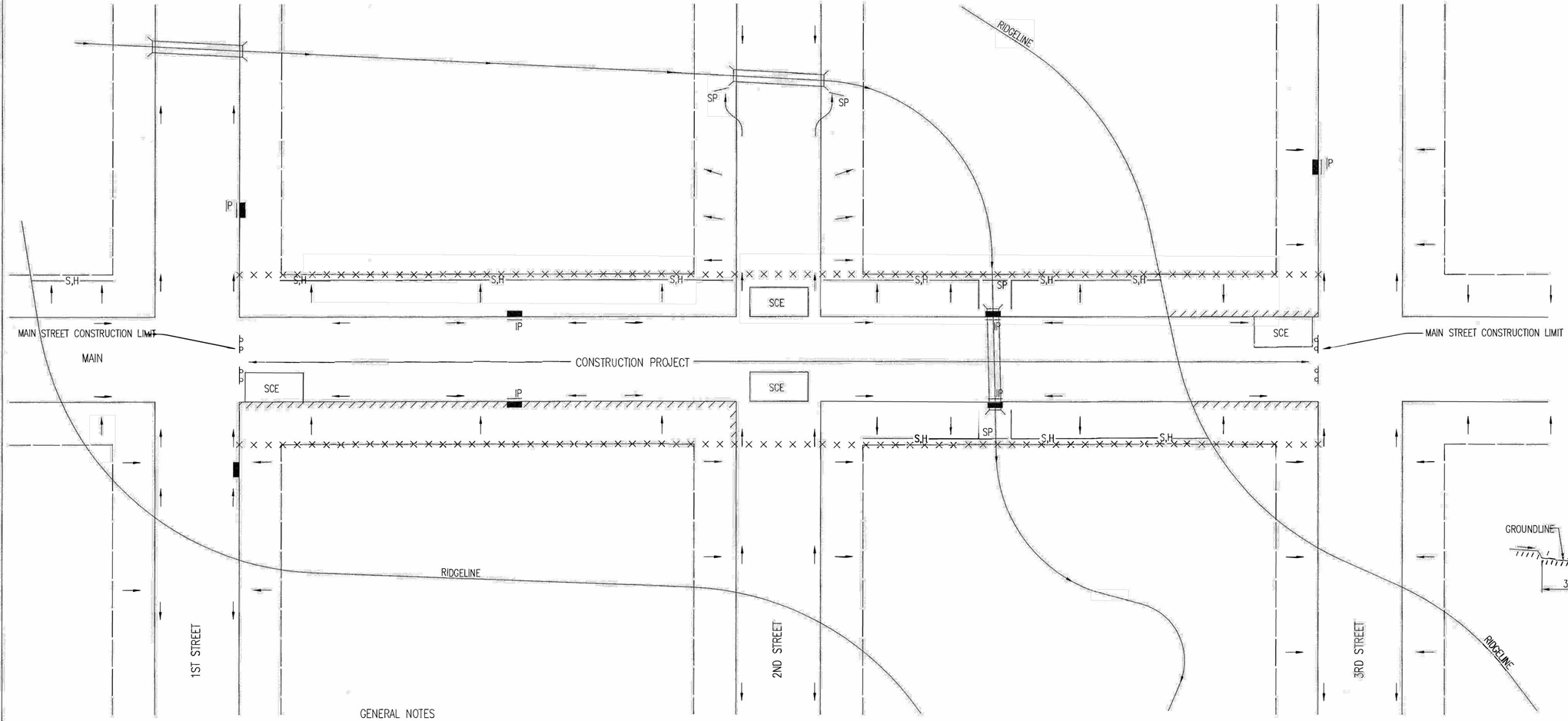
3. IF THE PROJECT WILL DISTURB 1 ACRE OR MORE, A FEDERAL/STATE NPDES STORMWATER PERMIT IS REQUIRED. A DETAILED STORMWATER POLLUTION PREVENTION PLAN, IS REQUIRED. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED TO BE THE MINIMUM TO BE SHOWN IN THE POLLUTION PREVENTION PLAN.

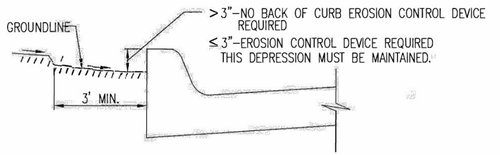
4. FOR PROJECTS DISTURBING LESS THAN 1 ACRE, CONTRACTORS ARE ENCOURAGED TO PREPARE STORMWATER POLLUTION PREVENTION PLANS PRIOR TO CONSTRUCTION. EROSION CONTROL DEVICES MUST BE USED ON ALL PROJECTS.

5. FAILURE TO USE AND MAINTAIN EROSION CONTROL DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE CONTRACTOR TO THE PENALTIES PROVIDED FOR THEREIN.

6. THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE A DIFFERENT DEVICE OTHER THAN THOSE SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED AS LONG AS THEY ARE EFFECTIVE AND MAINTAINED.

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25





CURB BACKFILL DETAIL

THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.

LEGEND

- R-O-W LIMITS
- DRAINAGE FLOW PATH
- × × × × × R/W LIMIT WITHIN CONSTRUCTION LIMIT
- STORM WATER INLETS
- IP — INLET PROTECTION
- S,H — SILT FENCE OR HAY BALE BARRIER
- SP — STREAM PROTECTION
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- BACK OF CURB PROTECTION

GENERAL NOTES

1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO KEEP ALL SEDIMENT CONFINED TO THE CONSTRUCTION SITE, AND OUT OF ALL UNDERGROUND PIPES, DITCHES, LAKES, AND OTHER DRAINAGE FACILITIES, AND OFF OF STREETS.

2. THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT-OF-WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.

3. EROSION CONTROL DEVICES WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.

4. INLET PROTECTION DEVICES WILL BE REQUIRED WHEREVER WATER CAN DRAIN OFF THE PROJECT SITE INTO AN INLET, INCLUDING ANY SIDE STREET INLETS.

5. EROSION CONTROL DEVICES SHALL BE INSTALLED AT CREEK CROSSINGS SO AS TO PREVENT SEDIMENT FROM ENTERING THEREIN.

6. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED, AS NEEDED, TO PREVENT MUD FROM TRACKING ONTO STREETS NOT UNDER CONSTRUCTION AND ON STREETS WITHIN THE PROJECT LIMITS IF TRAFFIC IS BEING MAINTAINED THROUGH THE PROJECT.

7. ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.

8. THE CONTACTOR WILL BE REQUIRED TO PLACE EROSION CONTROL DEVICES BACK OF CURB, WHENEVER WATER CAN DRAIN OVER CURB, TO KEEP ERODED SOIL OUT OF THE GUTTERLINES, IN ACCORDANCE WITH THE FOLLOWING:
   A. THE DEVICE REQUIRED WILL BE APPROVED EROSION CONTROL MAT LISTED ON THE CITY'S APPROVED MATERIAL LIST. SAID BLANKET SHALL BE PLACED OVER THE APPROPRIATE SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS. (SEE SOIL EROSION BMPs – BACK OF CURB SEDIMENT BARRIER DETAILS)
   B. THIS DEVICE SHALL BE INSTALLED IMMEDIATELY WHENEVER THE CURB IS BACKFILLED TO WITHIN 3" OF THE TOP OF CURB. (SEE CURB BACKFILL DETAIL) OTHER BMP'S MAY BE REQUIRED AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB.
   C. ADDITIONALLY, OTHER EROSION CONTROL DEVICES (HAY BALES, SILT FENCE, ETC.) WILL BE INSTALLED AT LOCATIONS OF CONCENTRATED FLOW RESULTING IN SEDIMENT OVERRUNNING THE MAT.
   D. SHOULD THE PROJECT PLANS SPECIFY THAT THE RIGHT-OF-WAY IS TO BE SODDED, THE EXCELSIOR MAT WILL NOT BE REQUIRED SO LONG AS THE SOD IS PLACED WITHIN 48 HOURS AFTER CURB BACKFILL REACHES A HEIGHT OF 3" OR LESS FROM TOP OF CURB. (SEE CURB BACKFILL DETAIL)

GARY L. JANZEN — 16294 — KANSAS — PROFESSIONAL ENGINEER — 06/05/15

REVISION: JUNE 2015

CITY OF WICHITA

PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STREET IMPROVEMENT PROJECTS

CITY ENGINEER
GARY JANZEN, P.E.

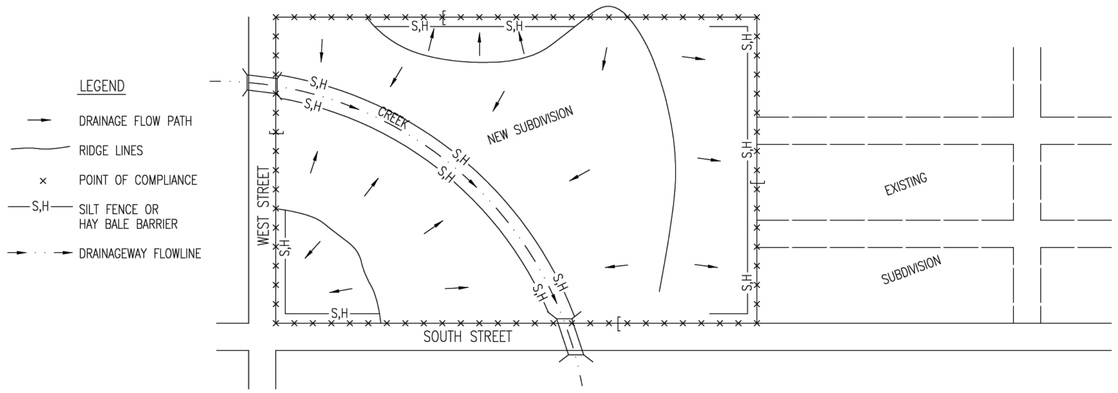
PROJECT NUMBER	OCA NUMBER	DATE
—-——	.	

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

SHEET 43 of 46

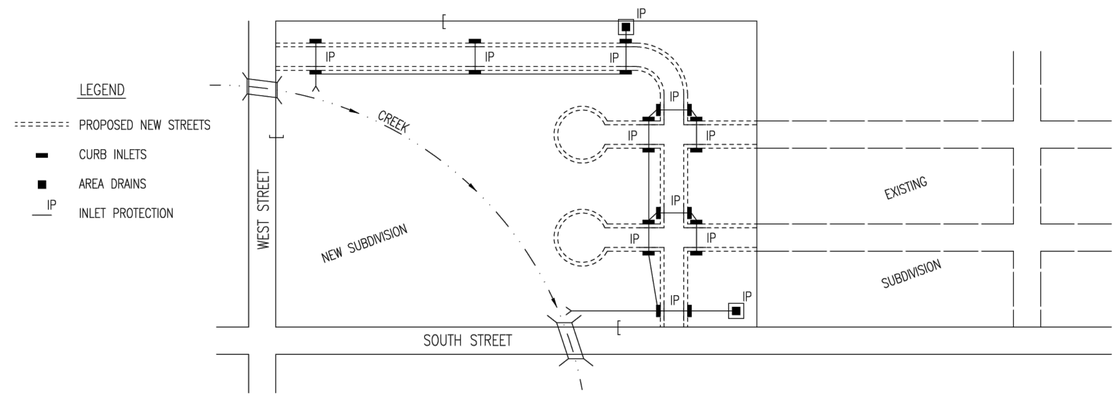
SW-504

PHASE 1 – INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER)



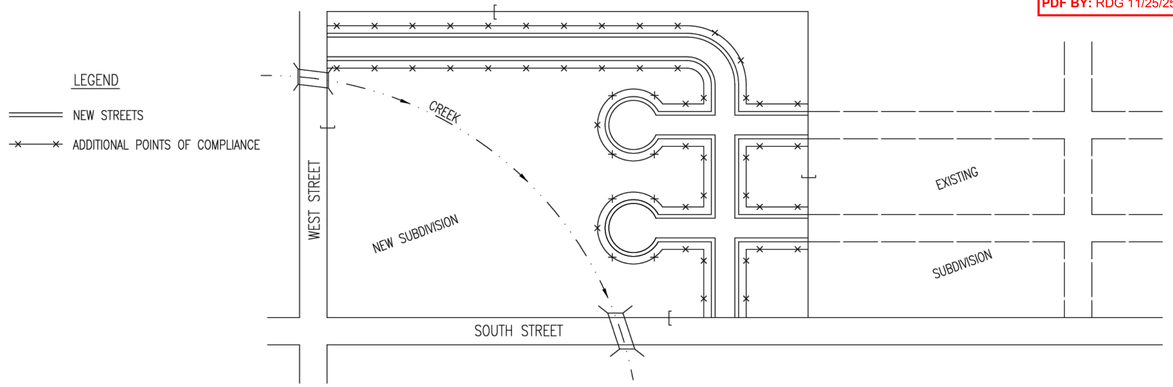
1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
2. HAY BALES OR SILT FENCE MUST BE CONSTRUCTED ALONG THE PROPERTY LINE WHERE ON SITE WATER CAN DRAIN OFF THE PROPERTY. THESE EROSION CONTROL DEVICES WILL ALSO BE INSTALLED ALONG ANY DRAINAGE DITCH OR LAKE THAT CAN DISCHARGE.
3. SHOULD SILT OR SEDIMENT ENTER THE DITCHES OR STREETS ON THE ADJACENT BOUNDARY STREETS, APPROPRIATE EROSION CONTROL DEVICES WILL BE PLACED WITHIN THE SUBDIVISION TO PREVENT THIS.
4. ANY MUD TRACKED ONTO ADJACENT STREETS WILL BE REMOVED WITHIN 48 HOURS OR BY FRIDAY AT 6:00 PM, WHICHEVER IS EARLIER.
5. CONTRACTORS WORKING WITHIN THE SITE WILL NOT BE REQUIRED TO USE INDIVIDUAL EROSION CONTROL DEVICES AS LONG AS THOSE SPECIFIED ABOVE ARE IN PLACE AND EFFECTIVE. CONTRACTORS WORKING ON THE BOUNDARY LINE STREETS OR ON ADJACENT PROPERTIES TO EXTEND UTILITIES ARE EXPECTED TO USE EROSION CONTROL DEVICES AT THEIR WORK LOCATIONS, AS NEEDED.
6. UTILIZE STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE AND EXIT ONTO ANY EXISTING PUBLIC STREETS.
7. IF THE INITIAL EARTH WORK AND UTILITIES ARE DONE AS PART OF A PUBLIC IMPROVEMENT PROJECT, THESE EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS SPECIFIED IN THE INDIVIDUAL PROJECT CONTRACTS. THE CONTRACTOR WILL MAINTAIN THE DEVICES UNTIL COMPLETION OF THE CONTRACT, AT WHICH TIME THE DEVELOPER WILL ASSUME MAINTENANCE RESPONSIBILITIES. IF THESE CONTRACTS ARE NOT PUBLIC IMPROVEMENT PROJECTS, THE DEVELOPER WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THESE DEVICES.
8. WITHIN 14 DAYS OF COMPLETION OF EARTHWORK ACTIVITIES IN ANY GIVEN AREA, THAT AREA SHALL BE TEMPORARILY OR PERMANENTLY SEEDED AND MULCHED.

PHASE 2 – INSTALLATION OF STORM SEWER



1. DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
2. AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
3. AREA DRAINS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, HAY BALE OR SILT FENCE PROTECTION WILL BE INSTALLED AROUND THEM.
4. CURB OPENING INLETS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, INLET PROTECTION DEVICES MUST BE INSTALLED. IF WATER CANNOT FLOW INTO CURB INLETS UNTIL STREET CONSTRUCTION IS COMPLETE, THEN STREET CONTRACTOR WILL INSTALL INLET PROTECTION. SEE PHASE 3 – STREET CONSTRUCTION.
5. THE STORM SEWER CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THESE DEVICES.
6. THE SUBDIVISION DEVELOPER WILL MAINTAIN THESE EROSION CONTROL DEVICES ONCE INSTALLED.
7. ALL DISTURBED GROUND WILL BE FINAL GRADED AND TEMPORARILY OR PERMANENTLY SEEDED WITHIN 14 DAYS IF COMPLETION OF WORK IN ANY GIVEN PART OF THE SUBDIVISION.
8. ONCE ALL DISTURBED GROUND DRAINING TO AN INLET HAS BEEN RESTABILIZED WITH GRASS OR SOD, THE SUBDIVISION DEVELOPER WILL BE RESPONSIBLE FOR PERMANENTLY REMOVING THE INLET PROTECTION.

PHASE 3 – STREET CONSTRUCTION



1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, NEW STREETS ARE INSTALLED. ALL EROSION CONTROL DEVICES INSTALLED DURING PHASE 1 AND 2 MUST STILL BE MAINTAINED. THE POINT OF COMPLIANCE NOW SHIFTS TO THE BACK OF CURB ALONG EACH STREET.
2. CURB OPENING INLET PROTECTION:
   A. SUMP AREAS – INLET PROTECTION SHALL BE PROVIDED WHEN STREET SUBGRADE WORK IS COMPLETED.
   B. NON–SUMP LOCATIONS – PROVIDE INLET PROTECTION AS SOON AS BASE COURSE ASPHALT IS INSTALLED, BEFORE THE SURFACE COURSE LIFT.
3. EROSION CONTROL DEVICES WILL BE REQUIRED BACK OF CURB WHEREVER WATER CAN FLOW OVER THE CURB AND THE CURB HAS BEEN BACKFILLED TO WITHIN 3" OR LESS OF THE TOP OF CURB (SEE CURB BACKFILL DETAIL). FOR CURBS NOT YET ENTIRELY BACKFILLED (3" OR MORE BELOW TOP OF CURB), ADDITIONAL DEVICES WILL BE REQUIRED AT POINTS WHERE WATER BREAKS OVER CURB WHICH COULD RESULT IN THE PLACEMENT OF SEDIMENT IN THE GUTTER.
4. SEE DETAIL SHEET FOR BACK OF CURB PROTECTION.
5. THE BACK OF CURB PROTECTION SPECIFIED ON THIS PLAN MAY HAVE TO BE SUPPLEMENTED WITH HAY BALE OR SILT FENCE EROSION CONTROL DEVICES AT LOCATIONS WHERE CONCENTRATED FLOW RESULTS IN SEDIMENT BEING CARRIED OVER THE EXCELSIOR MATS.
6. THE STREET CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING BACK OF CURB EROSION CONTROL DEVICES.
7. THE INDIVIDUAL LOT OWNERS WILL BE RESPONSIBLE FOR MAINTAINING THE BACK OF CURB EROSION CONTROL DEVICES IN FRONT OF THEIR LOTS UNTIL SUCH TIME AS ADJACENT DISTURBED EARTH IS STABILIZED WITH GRASS OR SOD.

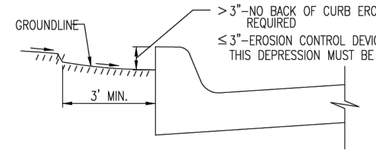
RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

GENERAL NOTES

1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER OTHER DRAINAGE FEATURE.
2. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
3. EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS TO REMAIN EFFECTIVE. MAINTENANCE SHALL BE AS INDICATED ON SOIL EROSION BMP'S DETAIL SHEETS.
4. PERSONS DESTROYING EROSION CONTROL DEVICES SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING THEM OR INSTALLING SUITABLE REPLACEMENT DEVICES.
5. THE DEVELOPMENT OF ANY SUBDIVISION THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED. EROSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON POLLUTION PREVENTION PLANS.
6. FOR SUBDIVISIONS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
7. FAILURE TO USE AND MAINTAIN SOIL EROSION DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE SUBDIVISION DEVELOPER AND CONTRACTORS TO THE PENALTIES PROVIDED THEREIN.
8. THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE DEVICES OTHER THAN THAT SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED SO LONG AS THEY ARE EFFECTIVE AND MAINTAINED.
9. A STABILIZED EARTH SURFACE IS DEFINED AS ONE THAT IS HARD SURFACED WITH CONCRETE, ASPHALT, OR THE LIKE, OR ONE ON WHICH 70% OF THE GRASS HAS GERMINATED ON THE ENTIRE SURFACE.

GARY L. JANZEN LICENSED 16294 PROFESSIONAL ENGINEER KANSAS
05-13-13

SEE DETAIL SHEET FOR BACK OF CURB PROTECTION DETAIL



CURB BACKFILL DETAIL (STREET CONSTRUCTION ONLY)

THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

SUBDIVISION DEVELOPMENT PROCESS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
___-____	.	08/2012

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

SHEET 44 / 46

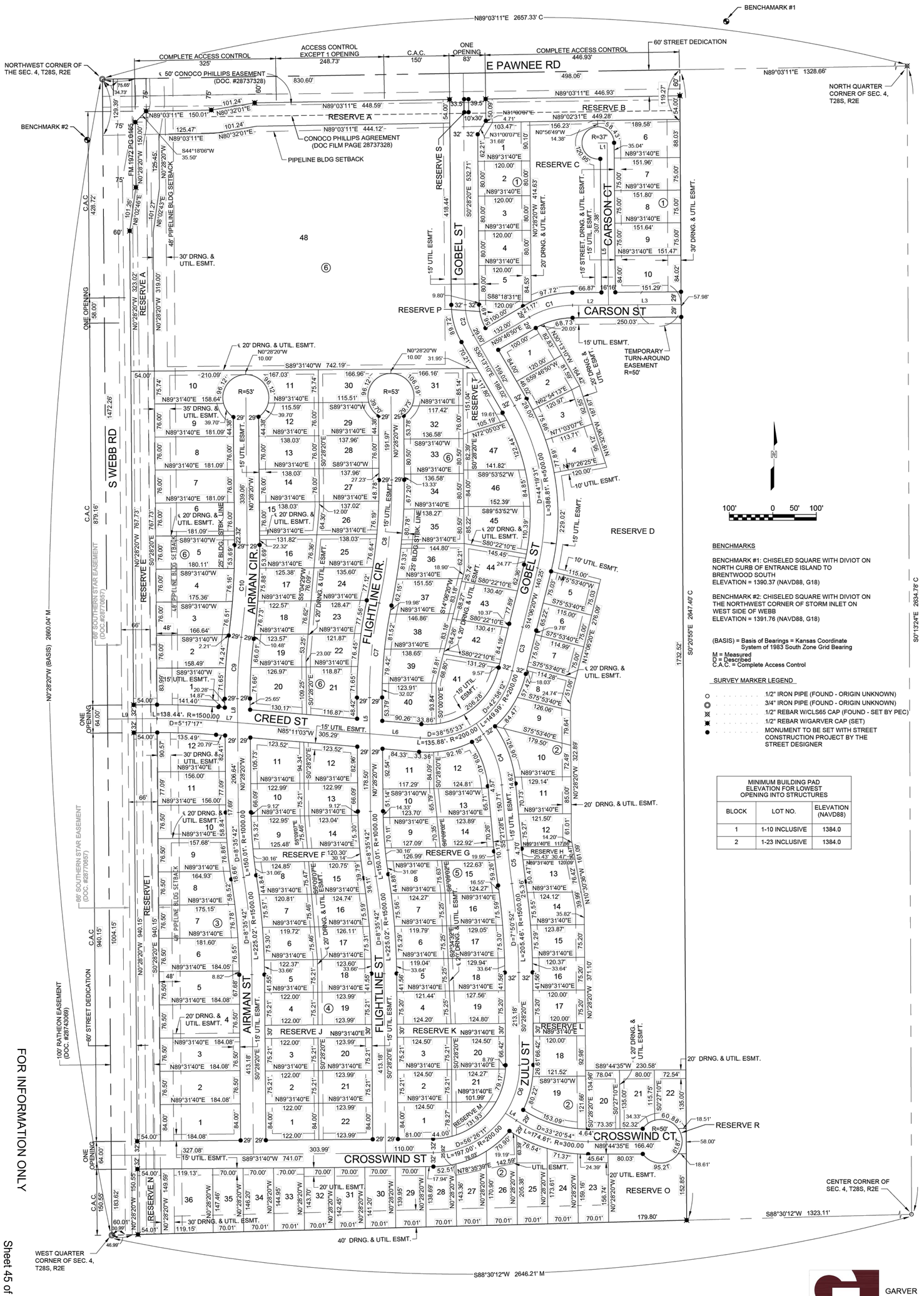
SW–505

RECORD DRAWINGS
Client: City of Wichita
Contractor: Miles Construction
Superintendent: Dallas Miles
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

Final Plat

PEGASUS ADDITION

Wichita, Sedgwick County, Kansas



BENCHMARKS

BENCHMARK #1: CHISELED SQUARE WITH DIVIOT ON NORTH CURB OF ENTRANCE ISLAND TO BRENTWOOD SOUTH
ELEVATION = 1390.37 (NAVD88, G18)

BENCHMARK #2: CHISELED SQUARE WITH DIVIOT ON THE NORTHWEST CORNER OF STORM INLET ON WEST SIDE OF WEBB
ELEVATION = 1391.76 (NAVD88, G18)

(BASIS) = Basis of Bearings = Kansas Coordinate System of 1983 South Zone Grid Bearing
M = Measured
D = Described
C.A.C. = Complete Access Control

SURVEY MARKER LEGEND

- 1/2" IRON PIPE (FOUND - ORIGIN UNKNOWN)
- 3/4" IRON PIPE (FOUND - ORIGIN UNKNOWN)
- 1/2" REBAR W/CLS65 CAP (FOUND - SET BY PEC)
- 1/2" REBAR W/GARVER CAP (SET)
- MONUMENT TO BE SET WITH STREET CONSTRUCTION PROJECT BY THE STREET DESIGNER

MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING INTO STRUCTURES

BLOCK	LOT NO.	ELEVATION (NAVD88)
1	1-10 INCLUSIVE	1384.0
2	1-23 INCLUSIVE	1384.0

FOR INFORMATION ONLY

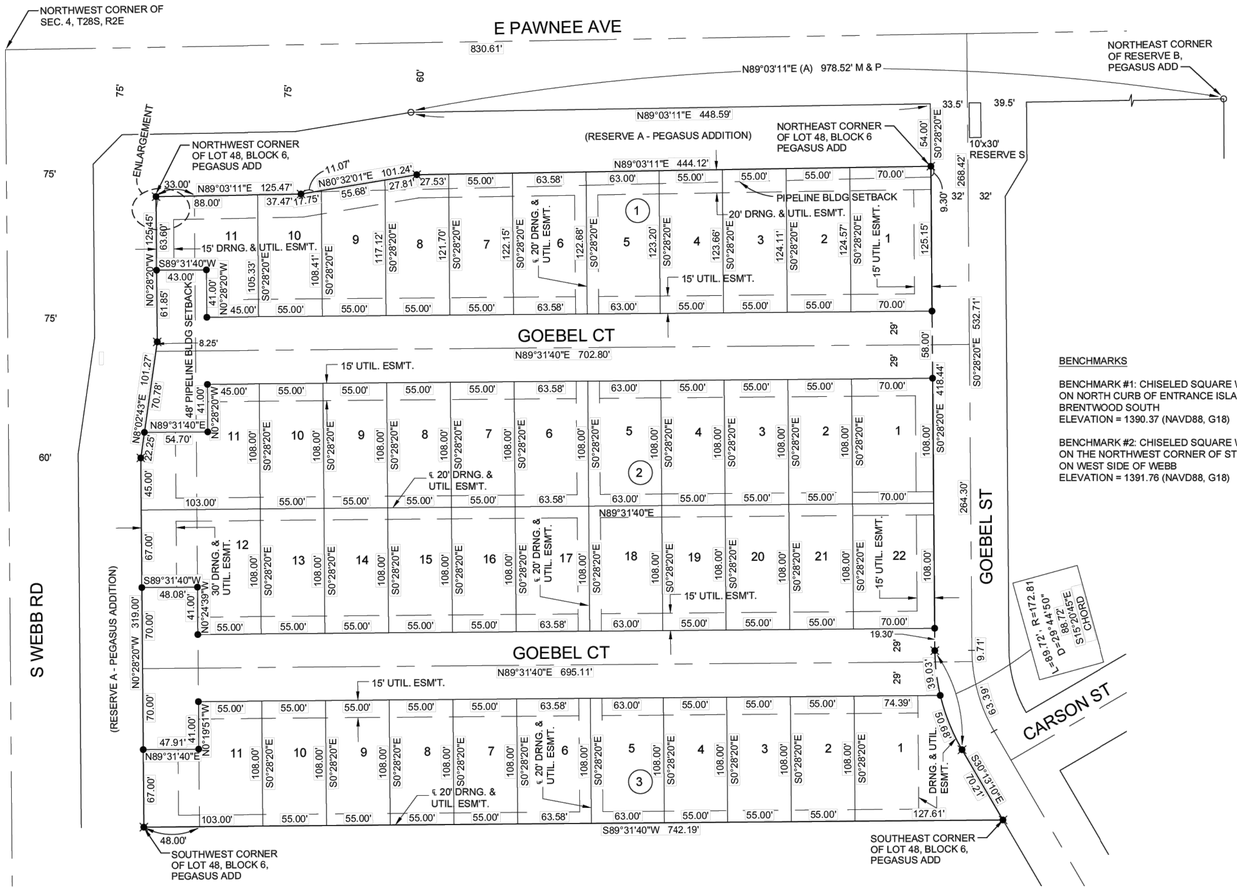
SHEET 1 OF 2

GARVER
1995 MIDFIELD RD.
Wichita, KS 67209
(316) 264-8008
www.GarverUSA.com

DWG FILE: 21T41376 SURVEY BASE
PROJECT NO. 21T41376
JANARY 29, 2024

PEGASUS 2ND ADDITION

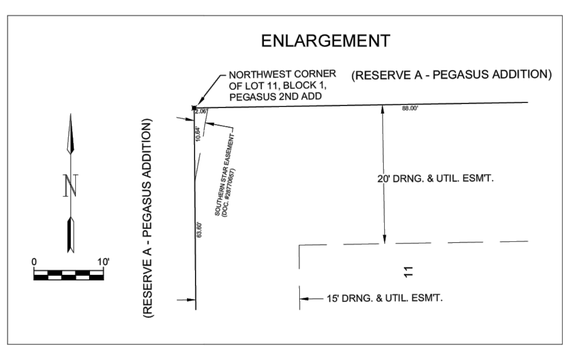
A Replat of Part of Pegasus Addition
Wichita, Sedgwick County, Kansas

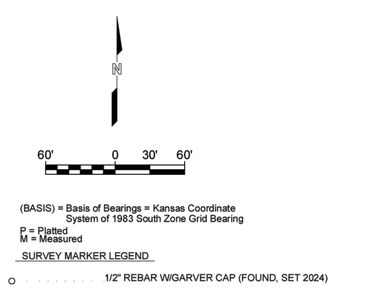


BENCHMARKS

BENCHMARK #1: CHISELED SQUARE WITH DIVIOT ON NORTH CURB OF ENTRANCE ISLAND TO BRENTWOOD SOUTH
ELEVATION = 1390.37 (NAVD88, G18)

BENCHMARK #2: CHISELED SQUARE WITH DIVIOT ON THE NORTHWEST CORNER OF STORM INLET ON WEST SIDE OF WEBB
ELEVATION = 1391.76 (NAVD88, G18)





(BASIS) = Basis of Bearings = Kansas Coordinate System of 1983 South Zone Grid Bearing
P = Platted
M = Measured

SURVEY MARKER LEGEND

- ○ 1/2" REBAR W/GARVER CAP (FOUND, SET 2024)
- ⊠ 1/2" REBAR W/GARVER CAP (SET)
- ● MONUMENT TO BE SET WITH STREET CONSTRUCTION PROJECT BY THE STREET DESIGNER

State of Kansas)
SS
Sedgwick County)

We, Garver, LLC, Land Surveyors in aforesaid county and state, do hereby certify that, under the supervision of the undersigned, we have surveyed and platted "PEGASUS 2ND ADDITION", Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows:

Lot 48, Block 6, Pegasus Addition, an addition to Wichita, Sedgwick County, Kansas.

All public easements and dedications are hereby vacated by virtue of K.S.A. 12-512b, as amended.

Garver, LLC

_____ Land Surveyor
William K. Clevenger, PS #1437

Know all men by these presents that we, the undersigned, have caused the land described in the surveyor's certificate to be platted into Lots, Blocks and Streets, to be known as "PEGASUS 2ND ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted to the public as indicated for the construction and maintenance of all public utilities. No private drainage systems shall be located within public drainage easements unless a Residential Drainage Relief Permit is obtained from the City of Wichita Public Works & Utilities Department. No signs, light poles, private drainage systems, berms, walls, masonry trash enclosures or other structures shall be located within public utility easements unless permitted by the City of Wichita Department of Engineering and that they do not inhibit the conveyance of surface drainage. The drainage and utility easements are hereby granted to the public as indicated for drainage purposes and for the construction and maintenance of public utilities. A master drainage plan has been developed for this plat. All drainage easements, rights of way and reserves shall remain at established grades (unless modified with the approval of the City Engineer) and shall be unobstructed to allow for the conveyance of stormwater in accordance with the Stormwater Manual. The maintenance of all drainageways and drainage facilities in backyard easements and reserves shall be the responsibility of the property owner, and shall be enforced by the Homeowners' Association and be provided for in the Homeowners' Association covenants. The property owner shall provide a copy of the Individual Lot Grading Plan and the Individual Lot Grading Plan Certificate pertaining to such owner's lot to any person installing a lawn, landscaping, fencing, or other improvements or structures and require them to maintain the grade levels shown on the Individual Lot Grading Plan Certificate.

WebbPawn Development, LLC

_____ Manager
Bryan Lagaly

State of Kansas)
SS
Sedgwick County)

The foregoing instrument acknowledged before me, this ____ day of

_____ , 2024, by Bryan Lagaly , Manager, on behalf of WebbPawn Development, LLC.

_____ Notary Public

My appointment expires _____ .

We the undersigned, holders of a mortgage on a portion of the above described property, do hereby consent to this plat of "PEGASUS 2ND ADDITION", Wichita, Sedgwick County, Kansas.

Big Bang Real Estate LLC,
a Kansas limited liability company

_____ Manager
Joe Hemmelgarn

NOTES:

1. Unless otherwise noted, all Front Building Setbacks will be 20 feet and all Interior side yard setbacks will be 5 feet.

2. Unless otherwise noted, all front easements shall be 15' Utility Easements.

State of Kansas)
SS
Sedgwick County)

The foregoing instrument acknowledged before me this ____ day of

_____ , 2024, by Joe Hemmelgarn, Manager, on behalf of Big Bang Real Estate LLC, a Kansas limited liability company.

_____ , Notary Public

My appointment expires _____ .

This plat of "PEGASUS 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 ____ day of _____ , 2024.

Wichita-Sedgwick County Metropolitan Area Planning Commission

_____ Chair
Robert Dool

_____ Secretary
Scott A. Wadle

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this ____ day of _____ , 2024.

At the Direction of the City Council

_____ Mayor
Lily Wu

_____ City Clerk
Jamie Buster

Reviewed in accordance with K.S.A. 58-2005 on this ____ day of _____ , 2024.

Deputy County Surveyor
Sedgwick County Kansas
_____
Tricia L. Robello, PS #1246

Entered on transfer record this ____ day of _____ , 2024.

_____ County Clerk
Kelly B. Arnold

State of Kansas)
SS
Sedgwick County)

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this ____ day of _____ , 2024, at ____ o'clock __ M, and is duly recorded.

_____ Register of Deeds
Tonya Buckingham

_____ Deputy
Kenly Zehring

RECORD DRAWINGS
Client: City of Wichita
Contractor: Mies Construction
Superintendent: Dallas Mies
Inspector: Russel Green
Inspection Firm: Garver
PDF BY: RDG 11/25/25

FOR INFORMATION ONLY

DWG FILE: T41-2400521 PLATTING BASE
PROJECT NO. T412400521
JULY 29, 2024

GARVER
1995 MIDFIELD RD.
Wichita, KS 67209
(316) 264-8008
www.GarverUSA.com