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	1–316–219–8921
CITY OF WICHITA STORMWATER	1–316–268–4090
CITY OF WICHITA TRAFFIC	1–316–268–4034
COX COMMUNICATIONS	1–888–249–3530
KANSAS GAS SERVICE	1–888–482–4950
EVERGY	1–800–544–4857

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 CITY 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. THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND DAWNITA REINHARDT AT 316–268–4574 WITH THE CITY OF WICHITA WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF PROJECT COMPLETION. STAKING AND INSPECTION FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10. IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, MIKE ARMOUR AT TRAFFIC@WICHITA.GOV BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBILITY.

11. ALL ELEVATIONS SHOWN ARE NAVD 88.

12. ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

13. ANY SIDEWALK, DRIVE APPROACH, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY THE CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316–268–4501 OR 316–268–4480.

13. ALL APPLICABLE FEES (TAP, EQUITY, IN LIEU OF & MAIN BENEFIT) MUST BE PAID BEFORE ANY CONNECTIONS CAN BE MADE ON THIS PROJECT. QUOTES CAN BE OBTAINED ON FEES BY CALLING 316–268–4555.

14. CITY MAINTENANCE OF WATER MAINS ENDS AT RIGHT–OF–WAY OR EASEMENT LINE OR WITHIN TWO FEET OF VAULT.

15. OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.

16. THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL–101, COST IS SUBSIDIARY TO PIPE INSTALLATION.

17. AS REQUIRED, THE CONTRACTOR SHALL INSTALL A TEMPORARY BLOW OFF AND/OR TEMPORARY CONNECTION TO THE EXISTING WATERLINE/SYSTEM PER AWWA C651 RECOMMENDATIONS TO FILL AND TEST THE NEW WATERLINE. AT THE CONTRACTOR'S OPTION, THE CONTRACTOR CAN INSTALL A TEMPORARY MAINLINE VALVE AT THE POINT OF CONNECTION. FOLLOWING ACCEPTANCE OF THE NEW WATERLINE, THE TEMPORARY CONNECTION/VALVE SHALL BE FULLY REMOVED AND THE FINAL CONNECTION TO THE EXISTING WATERLINE SHALL BE CONSTRUCTED. WATERLINE MATERIALS AT TIE–INS SHALL BE CONSTRUCTED WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE–INS. ALL COSTS FOR TEMPORARY CONNECTIONS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

18. 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.

19. 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.

20. 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.

21. ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.

22. VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE CITY WATER DISTRIBUTION DIVISION, 48 HOURS ADVANCE NOTICE IS REQUIRED WITH THE WATER DISPATCH AT 316–291–8921.

23. ALL WET TAPS SHALL BE INSTALLED BY THE CITY OF WICHITA. THE CONTRACTOR WILL REIMBURSE THE CITY FOR TAPPING FEES PRIOR TO TAP BEING MADE. UNLESS NOTED ON PLANS.

24. 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.

25. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

26. ANDOVER FIRE DEPARTMENT INSPECTIONS MAY BE SCHEDULED BY CALLING 316–733–2367.

27. ALL APPROVED EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER. STOCKPILE LOCATIONS SHALL BE AS DIRECTED BY THE OWNER AND IN ACCORDANCE WITH GENERAL NOTE NO. 4 ABOVE.

28. ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR6.5 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION.

29. THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED AT A MINIMUM RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF OTHER SEEDING IS REQUIRED IN ACCORDANCE WITH GENERAL NOTE NO. 31 ABOVE. TEMPORARY SEEDING OR PERMANENT SEEDING/SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.

30. EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING THE PROPOSAL FOR THIS WORK SO THAT HE WILL BE FULLY INFORMED OF THE EXISTING FIELD CONDITIONS AND THE OBSTACLES WHICH MIGHT BE ENCOUNTERED. UPON AWARD OF THE CONTRACT THE CONTRACTOR WILL NOT BE GRANTED ANY ADDITIONAL COMPENSATION WITH REGARDS TO TIME AND MONEY FOR CONDITIONS THAT MAY HAVE BEEN EVALUATED DURING ANY INSPECTION OF THE SITE.

31. THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED. THE GENERAL LOCATION OF THE REQUIRED EROSION CONTROL IS ILLUSTRATED ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL SHOWN THROUGH THE COMPLETION OF THIS PROJECT. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.

32. THE WATERLINE PIPE LENGTHS REPRESENT TRUE PIPE LENGTHS AND DO NOT INCLUDE FITTINGS/APPURTENANCES. THE PIPE LENGTHS DO NOT DIRECTLY CORRESPOND WITH ALIGNMENT STATIONING. THE COST OF FITTINGS IS CONSIDERED SUBSIDIARY TO PIPE.

33. MAINTAIN A MINIMUM OF 10–FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS) AND ALL SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES). ALL SEPARATIONS DISTANCES ARE TO BE MEASURED FROM EDGE–TO–EDGE, AT THE CLOSEST POINT.

34. 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.

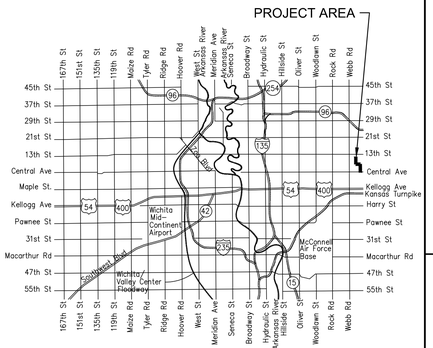
35. MAINTAIN A MINIMUM OF 2–FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL PRESSURIZED SANITARY SEWER LINES (FORCE MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE PRESSURIZED SANITARY SEWER LINES WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE–TO–EDGE, AT THE CLOSEST POINT.

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET

715 E. 13TH STREET, ANDOVER, KANSAS

PAUL GUNZELMAN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

RED LINE - FIELD SET (CITY OF WICHITA SET)



Vicinity Map

SHEET INDEX

SHEET NO. C–001	TITLE SHEET
SHEET NO. C–002–C–003	KEY MAP AND BUBBLE MAP
SHEET NO. CU101–CU103	WATERLINE NO. 1
SHEET NO. CU104–CU118	WATERLINE NO. 2
SHEET NO. CU118–CU119	WATERLINE NO. 3
SHEET NO. CU120	WATERLINE NO. 4
SHEET NO. CU501–CU503	WATERLINE DETAILS
SHEET NO. CU505	EROSION CONTROL PLAN
SHEET NO. CU506–CU510	EROSION CONTROL DETAILS

Received 1st set of As Built plans April 3, 2026 this revision rec'd August 26, 2026

Last water quality test passed November12, 2025. Construction considered complete at that time.
Used November 12, 2025 as the acceptance date.

SEE KEY MAP FOR BENCHMARKS, CONTROL POINTS, AND PROPERTY CORNERS.

INSPECTOR	PEC	OWEN ZIMMERMAN
	PEC - Closeout	ANGEL CORTEZ & CLINT ROGERS
WL CONTRACTOR (sub)	MCCULLOUGH EXCAVATION - PM	ROB GREY
	MCCULLOUGH EXCAVATION - Superintendent	MIGUEL BAILON
COMPANY	CITY OF ANDOVER	LES MANGUS

A4 **Clarification:** All 12" Valve Assemblies shall be Butterfly Valves per City of Wichita Standard Specifications.

BASE BID- COMMERCE WATERLINE (PART A)

ITEM	MANUFACTURER	QUANTITY	UNIT
12" PIPE	SANDERSON PIPE	267	LF
12" DICL PIPE	McWANE DUCTILE	11	LF
12" VALVE ASSEMBLY	M&H VALVE COMPANY	1	LF

BASE BID- YORKTOWN WATERLINE (PART B)

ITEM	MANUFACTURER	QUANTITY	UNIT
12" PIPE	SANDERSON PIPE	787	LF
12" DICL PIPE	McWANE DUCTILE	6	LF
12" RJ PIPE	SANDERSON PIPE	154	LF
12" DICL RJ PIPE	McWANE DUCTILE	19	LF
PVC CASING PIPE (22" MIN ID)	SANDERSON PIPE	70	LF
12" VALVE ASSEMBLY	M&H VALVE COMPANY	1	EA
FIRE HYDRANT ASSEMBLY	CLOW	2	EA

BASE BID- YORKTOWN WATERLINE (PART C)

ITEM	MANUFACTURER	QUANTITY	UNIT
12" PIPE	SANDERSON PIPE	5239	LF
12" DICL PIPE	McWANE DUCTILE	13	LF
12" PIPE BY DIRECTIONAL DRILL	SANDERSON PIPE	72	LF
8" PIPE	SANDERSON PIPE	866	LF
8" DICL PIPE	McWANE DUCTILE	23	LF
12" VALVE ASSEMBLY	M&H VALVE COMPANY	7	EA
8" VALVE ASSEMBLY	EJ COMPANY	2	EA
12"x12" TAPPING SLEEVE, VALVE, AND VALVE BOX	COW	1	EA
FIRE HYDRANT	CLOW	13	EA
2" BLOWOFF ASSEMBLY	CLOW	2	EA

BY WICHITA PUBLIC WORKS ENGINEERING DIVISION & BY ANDOVER FIRE DEPARTMENT

Engineering	Shawn Mellies	1/30/25
Utilities	Greg Lolley	1/30/25
Fire Dept.	Mike Roosevelt	1/30/25

NOTE TO CONTRACTORS

Public Property:

Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right–of–way by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the City of Wichita Specifications and Standards and Special Provision (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:

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

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

RED LINE - FIELD SET 08/21/2026 - cjr

Prepared By: Owen Zimmerman / Angel Cortez

Date: May 2026

PEC FIELD SERVICES

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

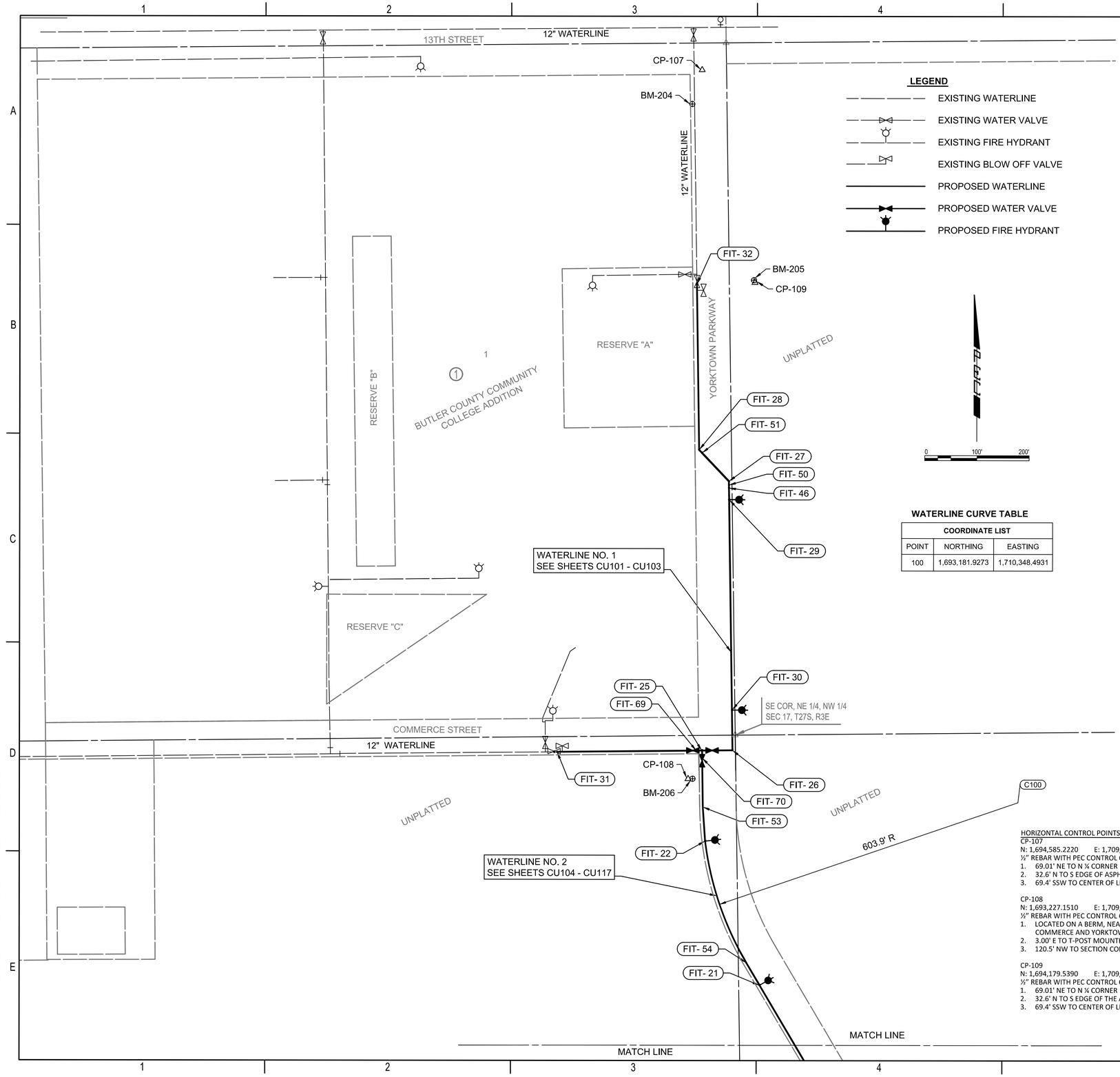
WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
	RED LINE - FIELD SET	
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JOB NO.		
DATE		
PM		GAS
DESIGNED BY		GAS
DRAWN BY		AJH
CHECKED BY		TBK

WATERLINE TITLE SHEET

C-001

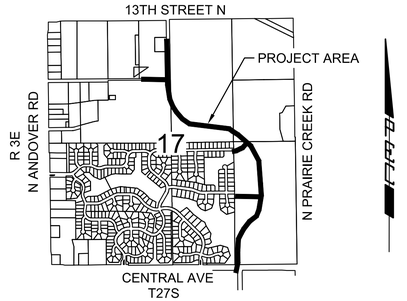
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LEGEND

- EXISTING WATERLINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING BLOW OFF VALVE
- PROPOSED WATERLINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT

0 100' 200'



VICINITY MAP
NTS

WATERLINE CURVE TABLE

COORDINATE LIST		
POINT	NORTHING	EASTING
100	1,693,181.9273	1,710,348.4931

FITTING TABLE			
ID	STATION	COORDINATES	DESCRIPTION
FIT- 31	WL NO. 1, 10+00.00	N: 1,693,278.5458 E: 1,709,465.2089	EXISTING 12" WL *
FIT- 69	WL NO. 1, 12+66.67	N: 1,693,281.2654 E: 1,709,731.8632	12" LINE VALVE
FIT- 25	WL NO. 1, 12+77.87	N: 1,693,281.2325 E: 1,709,743.0701	12" X 12" TEE
FIT- 26	WL NO. 1, 13+36.11	N: 1,693,281.7955 E: 1,709,801.3008	12" 90° BEND
FIT- 30	WL NO. 1, 14+13.12	N: 1,693,358.8046 E: 1,709,800.1909	FIRE HYDRANT ASSEMBLY
FIT- 29	WL NO. 1, 18+16.11	N: 1,693,761.7453 E: 1,709,794.3559	FIRE HYDRANT ASSEMBLY
FIT- 46	WL NO. 1, 18+38.45	N: 1,693,784.0841 E: 1,709,793.9909	12" 45° RJ BEND
FIT- 50	WL NO. 1, 18+44.00	N: 1,693,789.6306 E: 1,709,793.8983	12" 45° RJ BEND
FIT- 27	WL NO. 1, 18+51.44	N: 1,693,797.0785 E: 1,709,793.8442	12" 45° RJ BEND
FIT- 51	WL NO. 1, 19+26.15	N: 1,693,851.2121 E: 1,709,742.3596	12" 11.25° RJ BEND
FIT- 28	WL NO. 1, 19+34.38	N: 1,693,857.1682 E: 1,709,736.6846	12" 45° RJ BEND (ROTATED)
FIT- 32	WL NO. 1, 22+51.65	N: 1,694,174.4036 E: 1,709,732.0843	EXISTING 12" WATERLINE *
FIT- 21	WL NO. 2, 58+72.90	N: 1,692,831.8546 E: 1,709,853.8230	FIRE HYDRANT ASSEMBLY
FIT- 54	WL NO. 2, 59+22.99	N: 1,692,875.0019 E: 1,709,828.3662	PC CURVE
FIT- 22	WL NO. 2, 61+70.69	N: 1,693,107.8613 E: 1,709,749.1342	FIRE HYDRANT ASSEMBLY
FIT- 53	WL NO. 2, 62+36.24	N: 1,693,173.2187 E: 1,709,744.6360	PT CURVE
FIT- 70	WL NO. 2, 63+30.16	N: 1,693,267.1341 E: 1,709,743.2197	12" LINE VALVE

HORIZONTAL CONTROL POINTS

CP-107
N: 1,694,585.2220 E: 1,709,741.6480
½" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND
1. 69.01' NE TO N ¼ CORNER 17-27-3E
2. 32.6' N TO S EDGE OF ASPHALT ROAD
3. 69.4' SSW TO CENTER OF LIGHT POLE BASE

CP-108
N: 1,693,227.1510 E: 1,709,720.0570
½" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND
1. LOCATED ON A BERM, NEAR THE TOP, NEAR THE INTERSECTION OF COMMERCE AND YORKTOWN
2. 3.00' E TO T-POST MOUNTED FLUSH WITH GROUND
3. 120.5' NW TO SECTION CORNER, NE ¼ NW ¼ , 17-27-3E

CP-109
N: 1,694,179.5390 E: 1,709,841.4510
½" REBAR WITH PEC CONTROL CAP SET FLUSH WITH GROUND
1. 69.01' NE TO N ¼ CORNER 17-27-3E
2. 32.6' N TO S EDGE OF THE ASPHALT ROAD
3. 69.4' SSW TO CENTER OF LIGHT POLE BASE

BENCH MARKS

BM-204
ELEV: 1,334.42 (NAVD 88)
CHISELED SQUARE ON TOP OF A LIGHT POLE BASE IN NE CORNER OF THE SCHOOL PARKING LOT.

BM-205
ELEV: 1,326.90 (NAVD 88)
T-POST MOUNTED FLUSH WITH GROUND, LOCATED SE OF PARKING LOT EAST OF THE SCHOOL IN A PASTURE, ±48' E OF HEDGEROW AND ±30' S OF STREAM THAT RUNS SSE

BM-206
ELEV: 1,347.40 (NAVD 88)
T-POST MOUNTED FLUSH WITH GROUND, ON TOP OF THE BERM NEAR THE INTERSECTION OF COMMERCE ST. AND YORKTOWN ST. , ±118' SW OF THE SECTION CORNER NE ¼, NW ¼, 17-27-3E

NOTE: WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

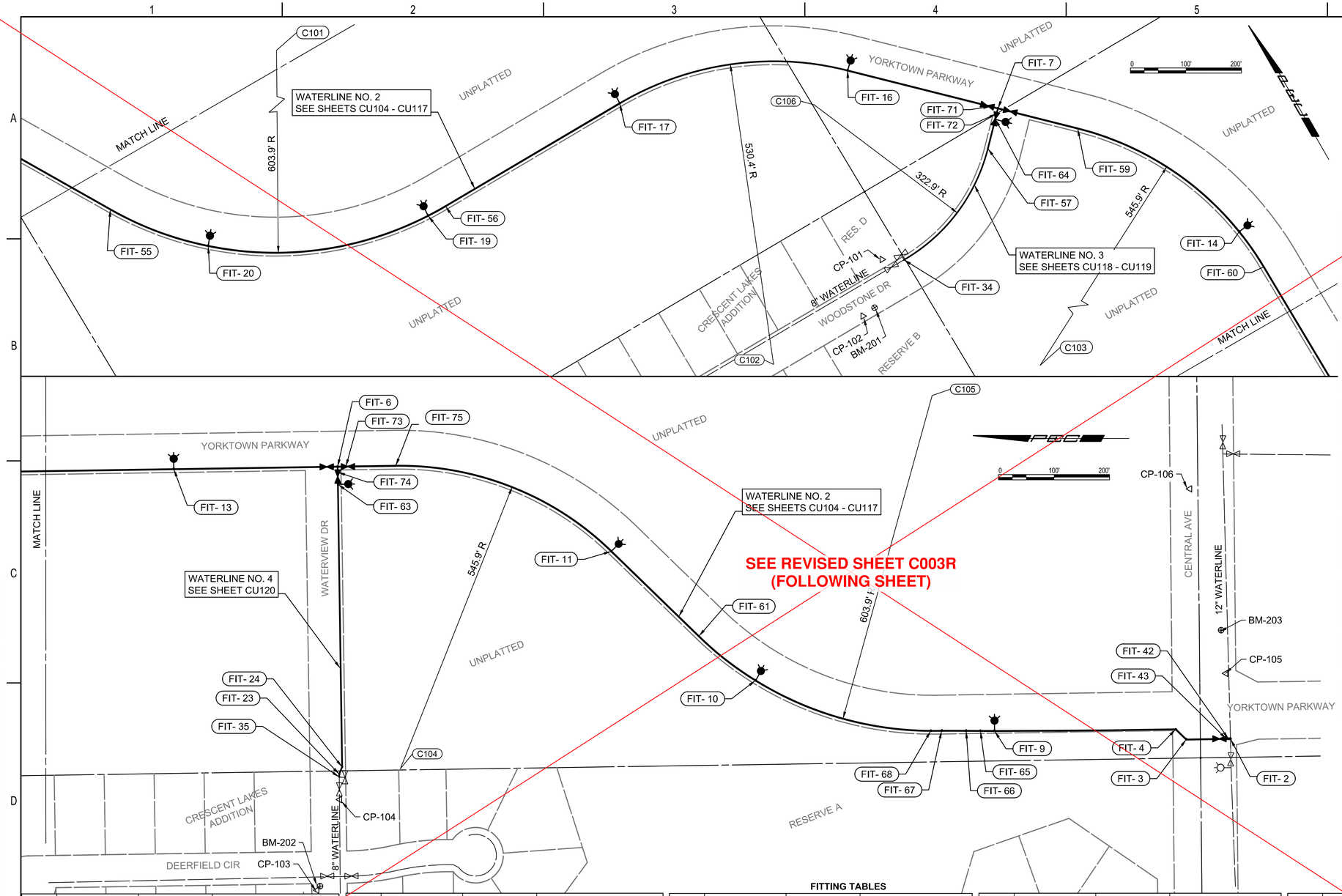
Issue:		
	RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect		
	08/21/2026 - cjr	
JOB NO.		
DATE		
PM		GAS
DESIGNED BY		GAS
DRAWN BY		AJH
CHECKED BY		TBK

WATERLINE KEY MAP NORTH

C-002

SAVED 1/10/2025 10:52:13 AM BY CATHY.LINK
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U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-C-002 WATERLINE KEY MAP NORTH.DWG

CATHY LANZEN, P.E. WICHITA CITY ENGINEER



SEE REVISED SHEET C003R (FOLLOWING SHEET)

LEGEND

- EXISTING WATERLINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING BLOW OFF VALVE
- PROPOSED WATERLINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT

HORIZONTAL CONTROL POINTS

CP-101
N: 1,691,874.4101 E: 1,711,120.7156
1/2 BAR WITH PEC CAP
1. 10.7' SSE TO SANITARY SEWER MANHOLE
2. 26.3' S TO BACK OF CURB
3. 54.5' SW TO NE CORNER OF CURB INLET.

CP-102
N: 1,691,804.5371 E: 1,711,038.8297
1/2 BAR WITH PEC CAP
1. 21.4' E TO SOUTHWEST CORNER OF AREA INLET.
2. 3.7' N TO BACK OF CURB.
3. 87.52' ESE TO SOUTHWEST CORNER OF EVERGY JUNCTION BOX.

CP-103
N: 1,690,939.0225 E: 1,710,956.6263
1/2 BAR WITH PEC CAP
1. 96' SE TO SSM-2
2. 167' ESE TO CP-104
3. 6.5' SE TO BM-202

CP-104 N: 1,690,898.2619 E: 1,711,119.4575
1/2 BAR WITH PEC CAP
1. 2.5' N TO SOUTH BACK OF CURB
2. 20' N TO CENTERLINE OF ROAD
3. 10' SW TO EAST SIDE OF ELM TREE

CP-105
N: 1,689,301.9520 E: 1,711,346.9411
1/2 BAR WITH PEC CAP
1. 5.5' S TO NORTH EDGE OF SIDEWALK
2. 32' N TO CENTERLINE OF ROAD
3. 18.7' E TO PI IN NORTH SIDE OF SIDEWALK

CP-106
N: 1,689,366.6530 E: 1,711,679.7832
1/2 BAR WITH PEC CAP
1. 5' S TO NORTH BACK OF CURB
2. 30' S TO CENTERLINE OF ROAD
3. 58' S TO CENTER OF STORM DRAIN CURB MANHOLE

BENCH MARKS

BM-201
ELEV: 1,330.66 (NAVD 88)
CHISELED SQUARE ON FRONT CENTER OF CURB STORM DRAIN, LOCATED 80 FEET WEST OF THE EAST END OF WOODSTONE DR.

BM-202
ELEV: 1,330.32 (NAVD 88)
CHISELED SQUARE ON CURB RETURN, LOCATED ON THE NW CORNER OF E WATERVIEW DR AND N DEERFIELD CIR

BM-203
ELEV: 1,314.29 (NAVD 88)
CHISELED SQUARE ON BACK OF CURB, LOCATED ON THE SOUTH SIDE OF CENTRAL AVE, APPROXIMATELY 150 FEET EAST OF N YORKTOWN RD, BETWEEN 2 CURB STORM DRAINS.

WATERLINE CURVE TABLE

COORDINATE LIST		
POINT	NORTHING	EASTING
101	1,692,955.3915	1,710,482.1785
102	1,691,808.9880	1,710,857.3583
103	1,691,511.3867	1,711,164.1940
104	1,690,788.3995	1,711,175.1176
105	1,689,830.2487	1,711,847.5543
106	1,692,177.7062	1,711,154.3466

FITTING TABLES

ID	STATION	COORDINATES	DESCRIPTION
FIT- 2	WL NO. 2, 10+00.00	N: 1,689,292.7917 E: 1,711,229.0919	12" X 12" TAPPING SLEEVE
FIT- 42	WL NO. 2, 10+03.18	N: 1,689,295.9670 E: 1,711,229.0439	12" 45° RJ BEND (VERTICAL)
FIT- 43	WL NO. 2, 10+06.97	N: 1,689,299.7598 E: 1,711,228.9865	12" 45° RJ BEND (VERTICAL)
FIT- 3	WL NO. 2, 10+79.60	N: 1,689,372.3874 E: 1,711,227.8880	12" 45° BEND
FIT- 4	WL NO. 2, 11+05.90	N: 1,689,391.2571 E: 1,711,246.1954	12" 45° BEND
FIT- 9	WL NO. 2, 14+32.55	N: 1,689,717.8936 E: 1,711,243.2553	FIRE HYDRANT ASSEMBLY
FIT- 65	WL NO. 2, 14+57.99	N: 1,689,743.3297 E: 1,711,243.3635	12" 11.25° RJ BEND (VERTICAL)

ID	STATION	COORDINATES	DESCRIPTION
FIT- 66	WL NO. 2, 14+83.70	N: 1,689,769.0435 E: 1,711,243.4729	12" 11.25° RJ BEND (VERICAL)
FIT- 67	WL NO. 2, 15+27.48	N: 1,689,812.8229 E: 1,711,243.6591	12" 11.25° RJ BEND (VERTICAL)
FIT- 68	WL NO. 2, 15+47.29	N: 1,689,832.6353 E: 1,711,243.4529	12" 11.25° RJ BEND (VERTICAL)
FIT- 10	WL NO. 2, 18+79.79	N: 1,690,148.2347 E: 1,711,334.1197	FIRE HYDRANT ASSEMBLY
FIT- 61	WL NO. 2, 20+10.10	N: 1,690,250.7839 E: 1,711,414.1026	PT CURVE
FIT- 11	WL NO. 2, 22+29.49	N: 1,690,408.2504 E: 1,711,566.8711	FIRE HYDRANT ASSEMBLY
FIT- 75	WL NO. 2, 26+58.30	N: 1,690,796.6773 E: 1,711,720.9382	PT CURVE
FIT- 73	WL NO. 2, 27+48.17	N: 1,690,886.5418 E: 1,711,719.5631	12" LINE VALVE

ID	STATION	COORDINATES	DESCRIPTION
FIT- 6	WL NO. 2, 27+63.13	N: 1,690,901.4996 E: 1,711,719.3487	12" X 8" TEE
FIT- 13	WL NO. 2, 30+58.30	N: 1,691,196.6315 E: 1,711,714.8849	FIRE HYDRANT ASSEMBLY
FIT- 60	WL NO. 2, 33+81.32	N: 1,691,519.6149 E: 1,711,710.0039	PC CURVE
FIT- 14	WL NO. 2, 34+58.52	N: 1,691,596.4655 E: 1,711,703.3909	FIRE HYDRANT ASSEMBLY
FIT- 59	WL NO. 2, 38+10.12	N: 1,691,903.2052 E: 1,711,544.2597	PT CURVE
FIT- 7	WL NO. 2, 39+58.15	N: 1,692,006.2831 E: 1,711,438.0158	12" X 8" TEE
FIT- 71	WL NO. 2, 39+71.96	N: 1,692,015.8494 E: 1,711,428.0642	12" LINE VALVE
FIT- 16	WL NO. 2, 42+37.52	N: 1,692,200.8151 E: 1,711,237.5089	FIRE HYDRANT ASSEMBLY

ID	STATION	COORDINATES	DESCRIPTION
FIT- 17	WL NO. 2, 46+63.18	N: 1,692,354.9009 E: 1,710,852.2085	FIRE HYDRANT ASSEMBLY
FIT- 56	WL NO. 2, 50+27.55	N: 1,692,351.4636 E: 1,710,487.8613	PC CURVE
FIT- 19	WL NO. 2, 50+63.20	N: 1,692,352.1764 E: 1,710,452.2178	FIRE HYDRANT ASSEMBLY
FIT- 20	WL NO. 2, 54+70.90	N: 1,692,503.1960 E: 1,710,081.8220	FIRE HYDRANT ASSEMBLY
FIT- 55	WL NO. 2, 56+59.98	N: 1,692,648.4806 E: 1,709,962.0180	PT CURVE
FIT- 35	WL NO. 3, 10+00.00	N: 1,690,898.4820 E: 1,711,160.6223	EXISTING 8" WATERLINE *
FIT- 23	WL NO. 3, 10+05.00	N: 1,690,898.5259 E: 1,711,165.6221	8" 22.5° BEND
FIT- 24	WL NO. 3, 10+18.94	N: 1,690,893.3033 E: 1,711,178.5513	8" 22.5° BEND

ID	STATION	COORDINATES	DESCRIPTION
FIT- 63	WL NO. 3, 15+28.11	N: 1,690,901.0193 E: 1,711,687.6601	FIRE HYDRANT ASSEMBLY
FIT- 74	WL NO. 3, 15+49.99	N: 1,690,901.3227 E: 1,711,709.5411	8" LINE VALVE
FIT- 34	WL NO. 4, 10+00.00	N: 1,691,854.7364 E: 1,711,154.9930	EXISTING 8" WATERLINE *
FIT- 57	WL NO. 4, 12+57.89	N: 1,691,952.8165 E: 1,711,386.1435	PT CURVE
FIT- 64	WL NO. 4, 13+12.95	N: 1,691,992.3354 E: 1,711,424.4840	FIRE HYDRANT ASSEMBLY
FIT- 72	WL NO. 4, 13+22.42	N: 1,691,999.1525 E: 1,711,431.0558	8" LINE VALVE

NOTE: WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.

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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309800)

Issue:	
	RED LINE - FIELD SET
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

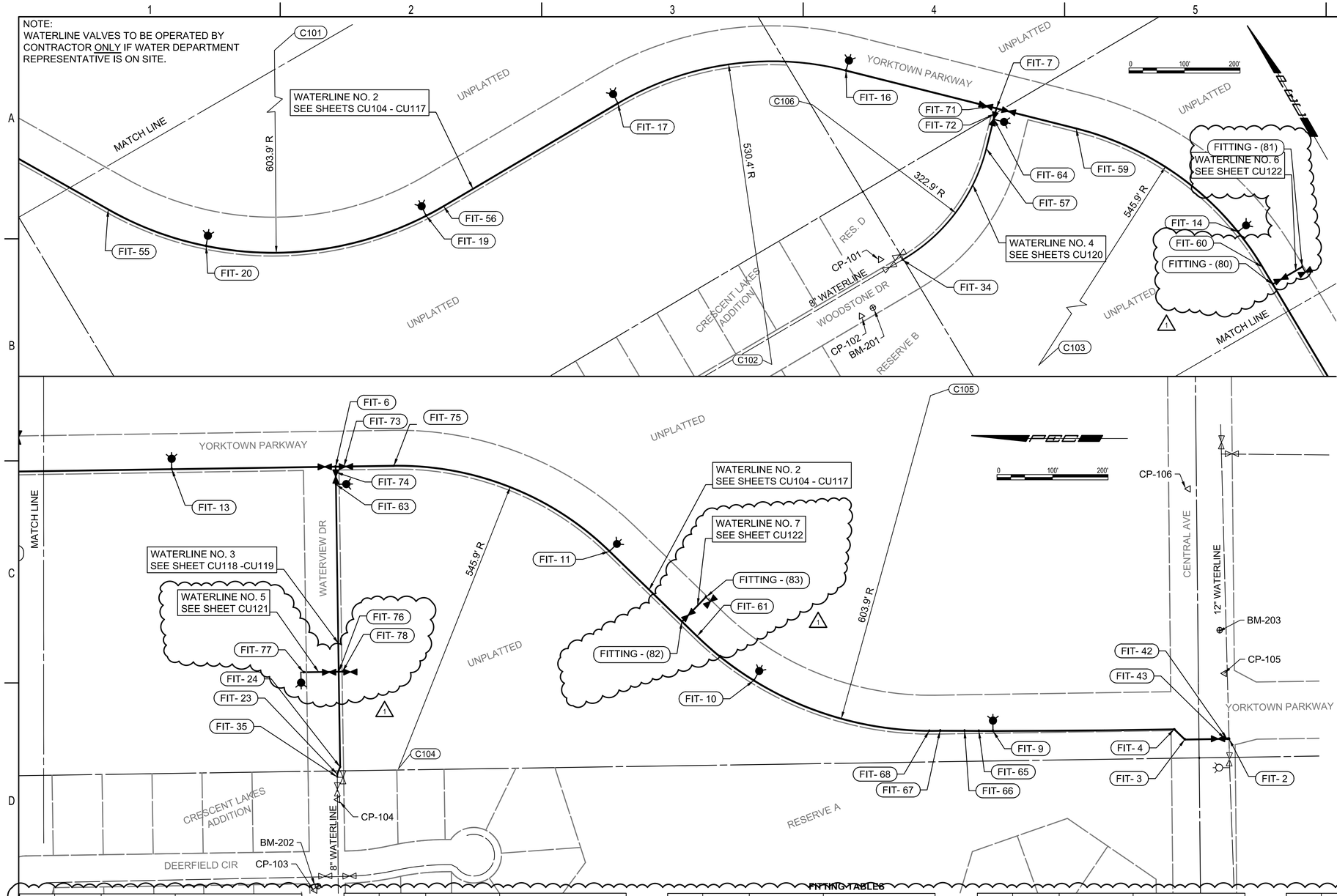
WATERLINE KEY MAP SOUTH

C-003

SAVED 1/10/2025 8:39:47 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:34:12 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-C-003 WATERLINE KEY MAP SOUTH.DWG

CARY LANZEN, P.E. WICHITA CITY ENGINEER

NOTE:
WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.



LEGEND

- EXISTING WATERLINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING BLOW OFF VALVE
- PROPOSED WATERLINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT

HORIZONTAL CONTROL POINTS

CP-101
N: 1,691,874.1101 E: 1,711,120.7156
1/2 BAR WITH PEC CAP
1. 10.7' SSE TO SANITARY SEWER MANHOLE
2. 26.3' S TO BACK OF CURB
3. 54.5' SW TO NE CORNER OF CURB INLET.

CP-102
N: 1,691,804.5371 E: 1,711,038.8297
1/2 BAR WITH PEC CAP
1. 21.4' E TO SOUTHWEST CORNER OF AREA INLET.
2. 3.7' N TO BACK OF CURB.
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1. 96' SE TO SSM-2
2. 167' ESE TO CP-104
3. 6.5' SE TO BM-202

CP-104 N: 1,690,898.2619 E: 1,711,119.4575
1/2 BAR WITH PEC CAP
1. 2.5' N TO SOUTH BACK OF CURB
2. 20' N TO CENTERLINE OF ROAD
3. 10' SW TO EAST SIDE OF ELM TREE

CP-105
N: 1,689,301.9520 E: 1,711,346.9411
1/2 BAR WITH PEC CAP
1. 5.5' S TO NORTH EDGE OF SIDEWALK
2. 32' N TO CENTERLINE OF ROAD
3. 18.7' E TO PI IN NORTH SIDE OF SIDEWALK

CP-106
N: 1,689,366.6530 E: 1,711,679.7832
1/2 BAR WITH PEC CAP
1. 5' S TO NORTH BACK OF CURB
2. 30' S TO CENTERLINE OF ROAD
3. 58' S TO CENTER OF STORM DRAIN CURB MANHOLE

BENCH MARKS

BM-201
ELEV: 1,330.66 (NAVD 88)
CHISELED SQUARE ON FRONT CENTER OF CURB STORM DRAIN, LOCATED 80 FEET WEST OF THE EAST END OF WOODSTONE DR.

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CHISELED SQUARE ON CURB RETURN, LOCATED ON THE NW CORNER OF E WATERVIEW DR AND N DEERFIELD CIR

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CHISELED SQUARE ON BACK OF CURB, LOCATED ON THE SOUTH SIDE OF CENTRAL AVE, APPROXIMATELY 150 FEET EAST OF N YORKTOWN RD, BETWEEN 2 CURB STORM DRAINS.

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105	1,689,830.2487	1,711,847.5543
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FIT- 43	WL NO. 2, 10+06.97	N: 1,689,299.7598 E: 1,711,228.9865	12" 45° RJ BEND (VERTICAL)
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FIT- 4	WL NO. 2, 11+05.90	N: 1,689,391.2571 E: 1,711,246.1954	12" 45° BEND
FIT- 9	WL NO. 2, 14+32.55	N: 1,689,717.8936 E: 1,711,243.2553	FIRE HYDRANT ASSEMBLY
FIT- 65	WL NO. 2, 14+57.99	N: 1,689,743.3297 E: 1,711,243.3635	12" 11.25° RJ BEND (VERTICAL)
FIT- 66	WL NO. 2, 14+83.70	N: 1,689,769.0435 E: 1,711,243.4729	12" 11.25° RJ BEND (VERICAL)

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FIT- 68	WL NO. 2, 15+47.29	N: 1,689,832.6353 E: 1,711,243.4529	12" 11.25° RJ BEND (VERTICAL)
FIT- 10	WL NO. 2, 18+79.79	N: 1,690,148.2347 E: 1,711,334.1197	FIRE HYDRANT ASSEMBLY
FIT- 61	WL NO. 2, 20+10.10	N: 1,690,250.7839 E: 1,711,414.1026	PT CURVE
FIT- 11	WL NO. 2, 22+29.49	N: 1,690,408.2504 E: 1,711,566.8711	FIRE HYDRANT ASSEMBLY
FIT- 75	WL NO. 2, 26+58.30	N: 1,690,796.6773 E: 1,711,720.9382	PT CURVE
FIT- 73	WL NO. 2, 27+48.17	N: 1,690,886.5418 E: 1,711,719.5631	12" LINE VALVE
FIT- 6	WL NO. 2, 27+63.13	N: 1,690,901.4996 E: 1,711,719.3487	12" X 8" TEE

ID	STATION	COORDINATES	DESCRIPTION
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FIT- 60	WL NO. 2, 33+81.32	N: 1,691,519.6149 E: 1,711,710.0039	PC CURVE
FIT- 14	WL NO. 2, 34+58.52	N: 1,691,596.4655 E: 1,711,703.3909	FIRE HYDRANT ASSEMBLY
FIT- 59	WL NO. 2, 38+10.12	N: 1,691,903.2052 E: 1,711,544.2597	PT CURVE
FIT- 7	WL NO. 2, 39+58.15	N: 1,692,006.2831 E: 1,711,438.0158	12" X 8" TEE
FIT- 71	WL NO. 2, 39+71.96	N: 1,692,015.8494 E: 1,711,428.0642	12" LINE VALVE
FIT- 16	WL NO. 2, 42+37.52	N: 1,692,200.8151 E: 1,711,237.5089	FIRE HYDRANT ASSEMBLY
FIT- 17	WL NO. 2, 46+63.18	N: 1,692,354.9009 E: 1,710,852.2085	FIRE HYDRANT ASSEMBLY

ID	STATION	COORDINATES	DESCRIPTION
FIT- 56	WL NO. 2, 50+27.55	N: 1,692,351.4636 E: 1,710,487.8613	PC CURVE
FIT- 19	WL NO. 2, 50+63.20	N: 1,692,352.1764 E: 1,710,452.2178	FIRE HYDRANT ASSEMBLY
FIT- 20	WL NO. 2, 54+70.90	N: 1,692,503.1960 E: 1,710,081.8220	FIRE HYDRANT ASSEMBLY
FIT- 55	WL NO. 2, 56+59.98	N: 1,692,648.4806 E: 1,709,962.0180	PT CURVE
FIT- 35	WL NO. 3, 10+00.00	N: 1,690,898.4820 E: 1,711,160.6223	EXISTING 8" WATERLINE *
FIT- 23	WL NO. 3, 10+05.00	N: 1,690,898.5259 E: 1,711,165.6221	8" 22.5° BEND
FIT- 24	WL NO. 3, 10+18.94	N: 1,690,893.3033 E: 1,711,178.5513	8" 22.5° BEND
FIT- 76	WL NO. 3, 11+90.48	N: 1,690,895.9028 E: 1,711,350.0674	8" X 8" CROSS

ID	STATION	COORDINATES	DESCRIPTION
FIT- 63	WL NO. 3, 15+28.11	N: 1,690,901.0193 E: 1,711,687.6601	FIRE HYDRANT ASSEMBLY
FIT- 74	WL NO. 3, 15+49.99	N: 1,690,901.3227 E: 1,711,709.5411	8" LINE VALVE
FIT- 34	WL NO. 4, 10+00.00	N: 1,691,854.7364 E: 1,711,154.9930	EXISTING 8" WATERLINE *
FIT- 57	WL NO. 4, 12+57.89	N: 1,691,952.8165 E: 1,711,386.1435	PT CURVE
FIT- 64	WL NO. 4, 13+12.95	N: 1,691,992.3354 E: 1,711,424.4840	FIRE HYDRANT ASSEMBLY
FIT- 72	WL NO. 4, 13+22.42	N: 1,691,999.1525 E: 1,711,431.0558	8" LINE VALVE
FIT- 78	WL NO. 5, 9+93.21	N: 1,690,889.1178 E: 1,711,350.1704	8" CAP
FIT- 77	WL NO. 5, 10+62.99	N: 1,690,958.8881 E: 1,711,349.1128	FIRE HYDRANT ASSEMBLY

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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE KEY MAP SOUTH

C-003R

SAVED 7/16/2025 1:56:55 PM BY CATHY.LINK
PLOTTED 7/16/2025 2:59:02 PM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-C-003 WATERLINE KEY MAP SOUTH.DWG

Reference Point Centerline of Commerce & Yorktown Parkway

26' NORTH AND 322' WEST TO RELOCATED EXISTING WATER METER AND SERVICE LINE.

N: 1693332.6914, E: 1709452.6427
COMMERCE ST., STA. ~~409+92.74, 25' L~~ 409+89, 26' LT
RELOCATE EXISTING WATER METER AND SERVICE LINE AS REQUIRED FOR CONSTRUCTION.
SEE DETAIL, SHEET NO. CU501

N: 1,693,278.5458, E: 1,709,465.2089
STA. 10+00.00, WL NO. 1=
COMMERCE ST., STA. 410+04.78, 29' R
BEGIN WL NO. 1
EXISTING 12" WATERLINE*
REMOVE EXISTING 12" CAP
AND CONNECT NEW 12" PIPE.
ALL FITTINGS, ADAPTORS, AND
OTHER INCIDENTALS NECESSARY TO
PERFORM THIS TIE IN SHOULD BE
CONSIDERED SUBSIDIARY TO THE PRICE BID
FOR PIPE.

29' SOUTH AND 37' WEST TO 1- 12" VALVE ASSEMBLY (M&H).

N: 1,693,281.2325, E: 1,709,743.0701
STA. 12+77.87, WL NO. 1=
COMMERCE ST., STA. 412+82.66, 29' R
12" x 12" TEE
12" VALVE ASSEMBLY (E)
(MJ ~~GATE~~ VALVE) BUTTERFLY
TOP VALVE BOX EL.= 1338.0 (E)

29' SOUTH AND 24' WEST TO 1- 12"x12" TEE (SIGMA).

29' SOUTH AND 19' WEST TO 1- 12" VALVE ASSEMBLY (M&H).

CAUTION !!!
PROP. 15" RCP
STORM WATER SEWER

N: 1,693,281.2654, E: 1,709,731.8632
STA. 12+66.67, WL NO. 1
12" LINE VALVE
(MJ ~~GATE VALE~~) BUTTERFLY VALVE
TOP VALVE BOX EL.= 1338.6

12" V 51250 (LW)
12" V 56528 (LE)
12" V 56529 (LS)

YORKTOWN RD., STA. 153+25.63=
COMMERCE ST., STA. 413+08.01, 0'

RP

CAUTION !!!
PROPOSED FIBER OPTIC

N: 1,693,281.7955, E: 1,709,801.3008
STA. 13+36.11, WL NO. 1=
YORKTOWN RD., STA. 152+98.81, 35' R
12" 90° BEND
DEFL. = 90°00'00"
MATCH POINT

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5

BUTLER COUNTY COMMUNITY COLLEGE ADDITION

10' TEMP. CONSTRUCTION ESMT. (BY SEPARATE INSTRUMENT)

LOT 1

R/W LINE
PROP. SIDEWALK
PROP. 24" RCP
CL COMMERCE ST. = SL
CL YORKTOWN
COMMERCE STREET
PROP. 15" RCP
2' CONIFEROUS (TYP. OF 11)
GRASS
DRIPLINE
8" WATERLINE (PER DESIGN)
12" WATERLINE (PER DESIGN)
TN=1339.44
TN=1338.52
410+00
411+00
412+00
413+00
10+00
11+00
12+00
13+00
UFO
3CR RE
SE CORNER NE 1/4
NW 1/4 SEC. CORNER
SEC. 17, T27S, R2E
3/4" SMOOTH BAR

29' SOUTH AND 35' EAST TO 1- DICL MJ 12" 90° FITTING (SIGMA).

10' TEM. CONSTRUCTION ESMT. (BY SEPARATE INSTRUMENT)

UNPLATTED
STOCKPILE
R/W LINE

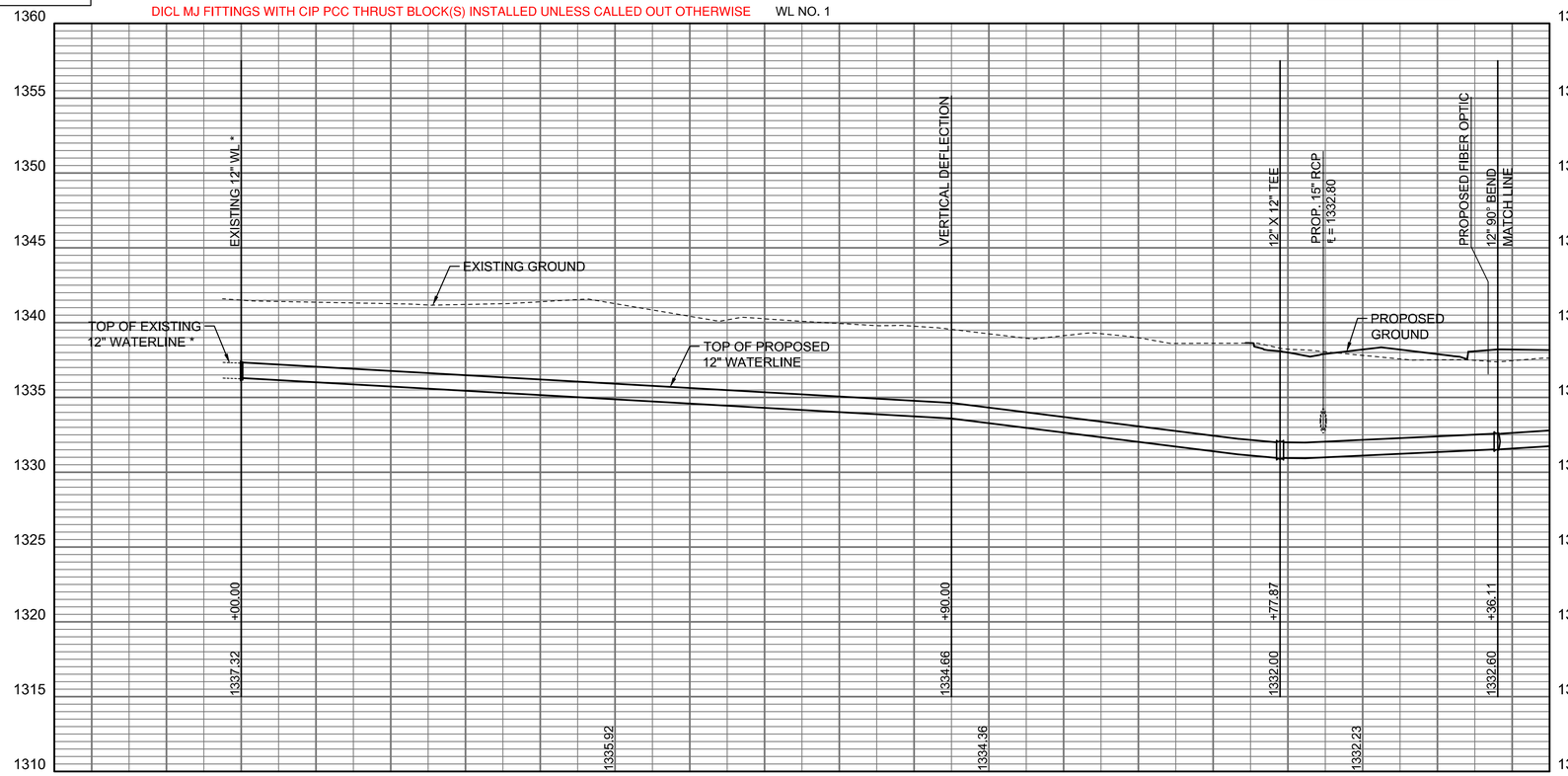
189.60 L.F. 12" PIPE
76.71 L.F. 12" PIPE
10.45 L.F. 12" DICL PIPE
6.04 L.F. 12" DICL PIPE
50.71 L.F. 12" PIPE

WL LINE NO. 2
SEE SHEET NO. CU117

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" WATERLINE AT WL NO. 1, STA. 10+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE WL NO. 1



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WATER DISTRIBUTION SYSTEM ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
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PROJECT NUMBER 2024-029657 PPW (54030980)

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	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 1

CU101

SAVED 1/10/2025 9:03:09 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:34:39 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU101 WATERLINE NO. 1.DWG

GARY JANZEN, P.E. WICHITA CITY ENGINEER

29' SOUTH AND 35' EAST TO 1- DICL MJ 12" 90° FITTING (SIGMA).

FH 16034
6" V 51249

Reference Point Centerline of Yorktown Parkway & Commerce

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT:

N: 1,693,281.7955, E: 1,709,801.3008
STA. 13+36.11, WL NO. 1=
YORKTOWN RD., STA. 152+98.81, 35' R
12" 90° BEND
MATCH POINT

N: 1,693,358.8046, E: 1,709,800.1909
STA. 14+13.12, WL NO. 1=
YORKTOWN RD., STA. 153+75.64, 29' R
FIRE HYDRANT ASSEMBLY
L= 4'
TOP VALVE BOX EL.= 1338.0
FH BURY LINE EL.= 1338.0

48' NORTH AND 33' EAST TO FIRE HYDRANT (CLOW).

48' NORTH AND 30' EAST TO FH VALVE (EJ CO.).
*FIRE HYDRANT VALVE IS 3' WEST OF HYDRANT.

48' NORTH AND 29' EAST TO 1- 12"x6" TEE (SIGMA).

451' NORTH AND 33' EAST TO FIRE HYDRANT (CLOW).

451' NORTH AND 30' EAST TO FH VALVE (EJ CO.).
*FIRE HYDRANT VALVE IS 3' WEST OF HYDRANT.

451' NORTH AND 29' EAST OF 1- 12"x6" TEE (SIGMA).

N: 1,693,761.7453, E: 1,709,794.3559
STA. 18+16.11, WL NO. 1=
YORKTOWN RD., STA. 157+76.58, 29' R
FIRE HYDRANT ASSEMBLY
L= 4'
TOP VALVE BOX EL.= 1335.1
FH BURY LINE EL.= 1335.2
MATCH POINT

FH 16035
6" V 51253

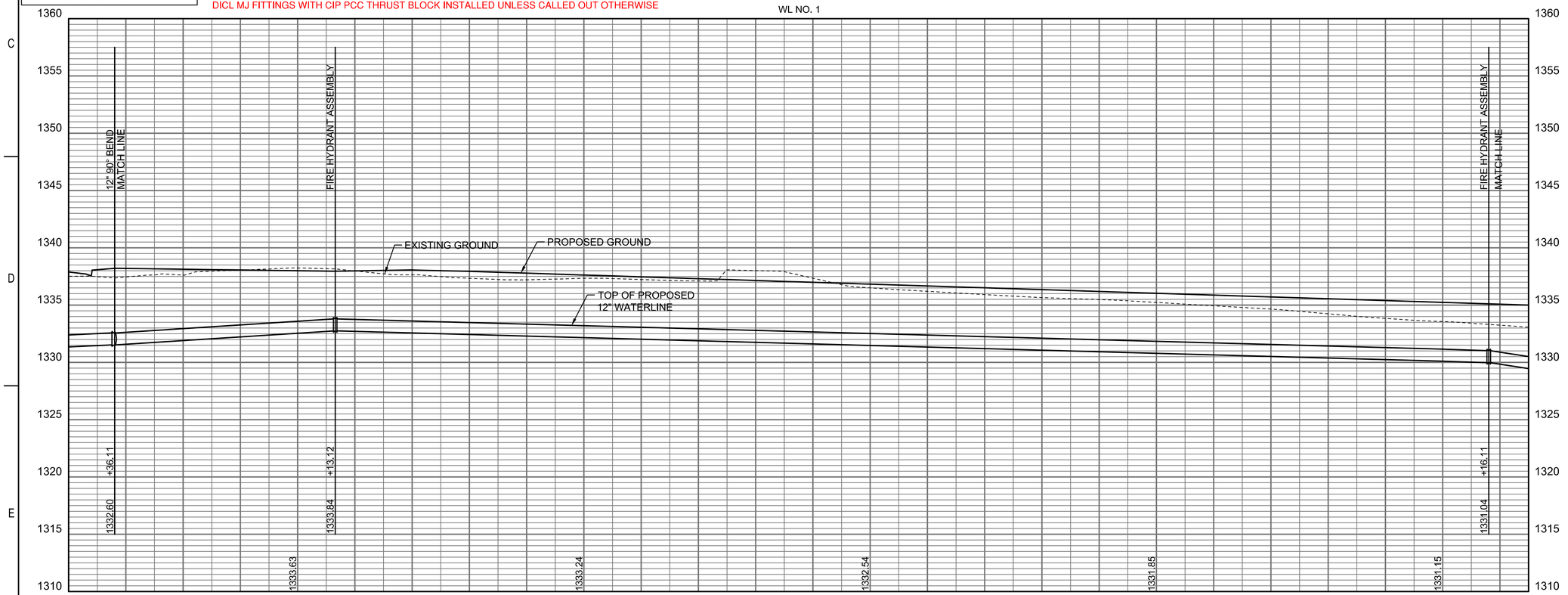
YORKTOWN RD., STA. 153+25.63=
COMMERCE ST., STA. 413+08.01, 0'
RP

PROP. 15" RCP
PROP. 30" RCP
CL YORKTOWN PKWY
YORKTOWN PARKWAY
PROPOSED PAVEMENT
SECTION LINE
DRIPLINE
UNPLATTED
TS
153+00
154+00
155+00
156+00
157+00
158+00
45' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)
45' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)
SE CORNER NE 1/4 SEC. 14 T27S R02E 3/4" SMOOTH BAR
75.85 L.F. 12" PIPE
383.62 L.F. 12" PIPE
18.53 L.F. 12" RJ PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 1



SAVED 1/10/2025 9:05:06 AM BY CATHY.LINK
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U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU102 WATERLINE NO. 1.DWG

CARY LANZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 1

CU102

Reference Point Centerline of Commerce & Yorktown Parkway

CAUTION !!!
PROPOSED FIBER LINE

CAUTION !!!
12" GAS PIPELINE (SOUTHERN STAR) CONTRACTOR SHALL COORDINATE WITH SOUTHERN STAR (MIKE DEGRAEVE AT 816-810-4500) 48 HOURS IN ADVANCE OF ANY WORK IN EASEMENT.

CAUTION !!!
4" GAS LINE (KGS)

N: 1,693,797.08, E: 1,709,793.84
STA. 18+51.44, WL NO. 1 =
STA. 158+11.91, YORKTOWN RD., 29.2' RT.
12" 45° RJ BEND
DEFL. = 45°00'00"
485' NORTH AND 29' EAST TO 1- 12" 45° DICL MJ BEND (SIGMA).

N: 1,693,789.63, E: 1,709,793.90
STA. 18+44.00, WL NO. 1 =
STA. 158+04.46, YORKTOWN RD., 29.1' RT.
12" 45° RJ BEND
DEFL. = 43°10'00" (VERT.)
478' NORTH AND 29' EAST TO 1- 12" 45° DICL MJ BEND (SIGMA).

N: 1,693,784.08, E: 1,709,793.99
STA. 18+38.45, WL NO. 1 =
STA. 157+98.92, YORKTOWN RD., 29.2' RT.
12" 45° RJ BEND
DEFL. = 42°81'66" (VERT.)
473' NORTH AND 29' EAST TO 1- 12" 45° DICL MJ BEND (SIGMA).

N: 1,693,761.7453, E: 1,709,794.3559
STA. 18+16.11, WL NO. 1=
YORKTOWN RD., STA. 157+76.58, 29' R
FIRE HYDRANT ASSEMBLY
MATCH POINT
451' NORTH AND 33' EAST TO FIRE HYDRANT (CLOW).
451' NORTH AND 30' EAST TO FH VALVE (EJ CO.).
FIRE HYDRANT VALVE IS 3' WEST OF HYDRANT
451' NORTH AND 29' EAST TO 1- 12"x6" TEE (SIGMA).

FH 16035
6" V 51253

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

N: 1,693,851.2121, E: 1,709,742.3596
STA. 19+26.15, WL NO. 1=
YORKTOWN RD., STA. 158+66.78, 22' L
12" 11.25° RJ BEND
DEFL. = 16°91'66" (VERT.)
539' NORTH AND 22' WEST TO 1- 12" 11.25° DICL MH BEND (SIGMA).

N: 1,693,857.1682, E: 1,709,736.6846
STA. 19+34.38, WL NO. 1=
YORKTOWN RD., STA. 158+72.82, 27' L
12" 45° RJ BEND (ROTATED)
DEFL. = 42°42'16" (HORIZ.)
DEFL. = 16°88'33" (VERT.)
547' NORTH AND 27' WEST TO 1- 12" 45° DICL MH BEND (SIGMA).

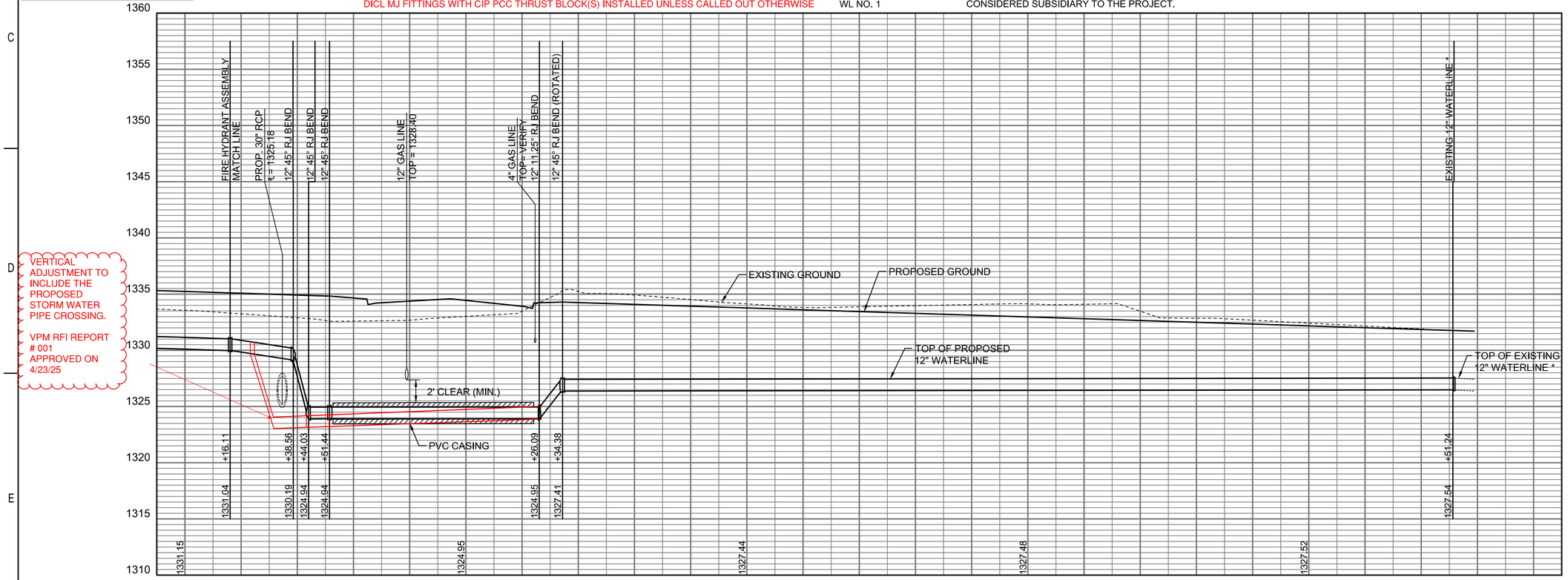
N: 1,694,174.4036, E: 1,709,732.0843
STA. 22+51.65, WL NO. 1=
YORKTOWN RD., STA. 161+90.09, 27' L
END WL NO. 1
EXISTING 12" WATERLINE *
REMOVE EXISTING 12" CAP
AND CONNECT NEW 12" PIPE. ALL FITTINGS, ADAPTORS, AND OTHER INCIDENTALS NECESSARY TO PERFORM THIS TIE IN SHOULD BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR PIPE.
864' NORTH AND 27' WEST TO 1- 12" DICL MJ COUPLING (SIGMA) TIE-IN

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT:

66' Pipeline Easement (Bk. 370, Pg. 500) & (Bk. 306, Pg. 516)
10" GAS PIPELINE SOUTHERN STAR
BUTLER COUNTY COMMUNITY COLLEGE ADDITION
RESERVE A
10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)
R/W LINE
8" WL (RECORD)
5'X7' CONC. WATER VAULT
WV TN=1321.73
WV TN=1329.45
GROUND ELEV.= 1335.10
TOP PIPE=1329.45
GROUND ELEV.= 1333.00
TOP PIPE=1330.19
GROUND ELEV.= 1332.60
TOP PIPE=1327.88
20+00 PROP. SIDEWALK 21+00 22+00
158+00 159+00 160+00 161+00 162+00
CL YORKTOWN PKWY
PROPOSED PAVEMENT
DRIPLINE
PROP. 30" RCP
PROP. 15" RCP
4" PE GAS LINE (KGS) (REC. INFO.)
568' NORTH AND 27' WEST TO 1-12" RJ PIPE TO PVC DICL MJ TRANSITION COUPLING (SIGMA).
40.00 L.F. 12" RJ PIPE
7.44 L.F. 12" DICL RJ PIPE
276.81 L.F. 12" PIPE
SECTION LINE
6.53 L.F. 12" DICL RJ PIPE
4.88 L.F. 12" DICL RJ PIPE
21.47 L.F. 12" RJ PIPE
74.06 L.F. 12" RJ PIPE
STA. 18+50 TO STA. 19+20
INSTALL 70 L.F. PVC CASING .
MIN. I.D. = 22"

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" WATERLINE AT WL NO. 1, STA. 22+51.65 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE WL NO. 1



VERTICAL ADJUSTMENT TO INCLUDE THE PROPOSED STORM WATER PIPE CROSSING.

VPM RFI REPORT # 001 APPROVED ON 4/23/25

SAVED 1/10/2025 3:40:13 PM BY CATHY.LINK
PLOTTED 1/31/2025 9:35:33 AM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU103 WATERLINE NO. 1.DWG

GARY JANZEN, P.E. WICHITA CITY ENGINEER

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PROFESSIONAL ENGINEERING CONSULTANTS
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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 1

CU103

39' SOUTH AND 52' WEST TO
1- 12" TAPPING SLEEVE (COW)

40' SOUTH AND 52' WEST TO
1- 12" TAPPING VALVE (COW)

TAPPING SLEEVE & VAVLE
INSTALLED BY COW

12" V 54157

N: 1,689,292.7917, E: 1,711,229.0919
STA. 10+00.00, WL NO. 2=
YORKTOWN RD., STA. 99+60.64, 52' L
EXISTING 12" WATERLINE *
BEGIN WL NO. 2
INSTALL 12" x 12" TAPPING SLEEVE **
INSTALL 12" TAPPING RJ VALVE
INSTALL 6" VALVE BOX
TOP VALVE BOX EL.= 1314.2
(SLEEVE AND VALVE TO BE
INSTALLED BY CITY OF WICHITA)

36' SOUTH AND 52' WEST TO
1- 12" 45° DICL RJ BEND
(SIGMA) + PCC BLOCK

32' SOUTH AND 52' WEST TO
1- 12" 45° DICL RJ BEND
(SIGMA) + PCC BLOCK

N: 1,689,295.9670, E: 1,711,229.0439
STA. 10+03.18, WL NO. 2=
YORKTOWN RD., STA. 99+63.82, 52' L
12" 45° RJ BEND (VERTICAL)
DEFL. = 45°00'00"

N: 1,689,299.7598, E: 1,711,228.9865
STA. 10+06.97, WL NO. 2=
YORKTOWN RD., STA. 99+67.61, 52' L
12" 45° RJ BEND (VERTICAL)
DEFL. = 45°00'00"

Reference Point Centerline of Yorktown Parkway & Central Ave

PEC

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

N: 1,689,372.3874, E: 1,711,227.8880
STA. 10+79.60, WL NO. 2=
YORKTOWN RD., STA. 100+40.25, 52' L
12" 45° BEND
DEFL. = 45°00'00"

40' NORTH AND 52' WEST TO 1- 12" 45° DICL MJ BEND (SIGMA).

59' NORTH AND 33' WEST TO 1- 12" 45° DICL MH BEND (SIGMA).

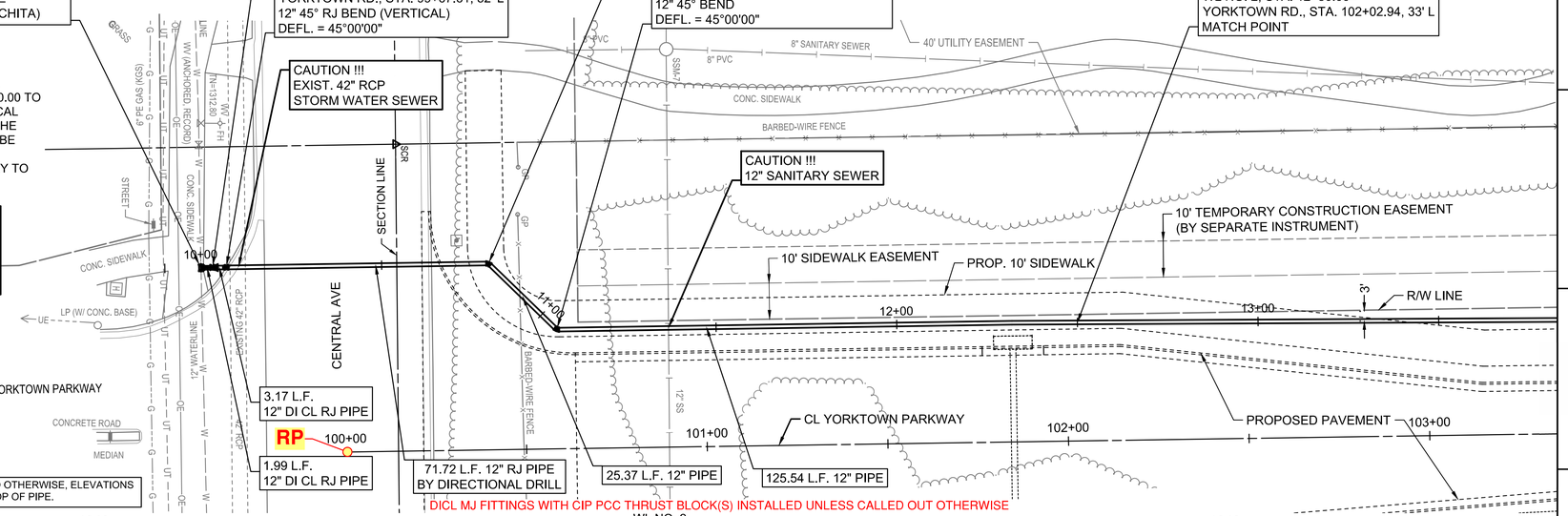
N: 1,689,391.2571, E: 1,711,246.1954
STA. 11+05.90, WL NO. 2=
YORKTOWN RD., STA. 100+58.84, 33' L
12" 45° BEND
DEFL. = 45°00'00"

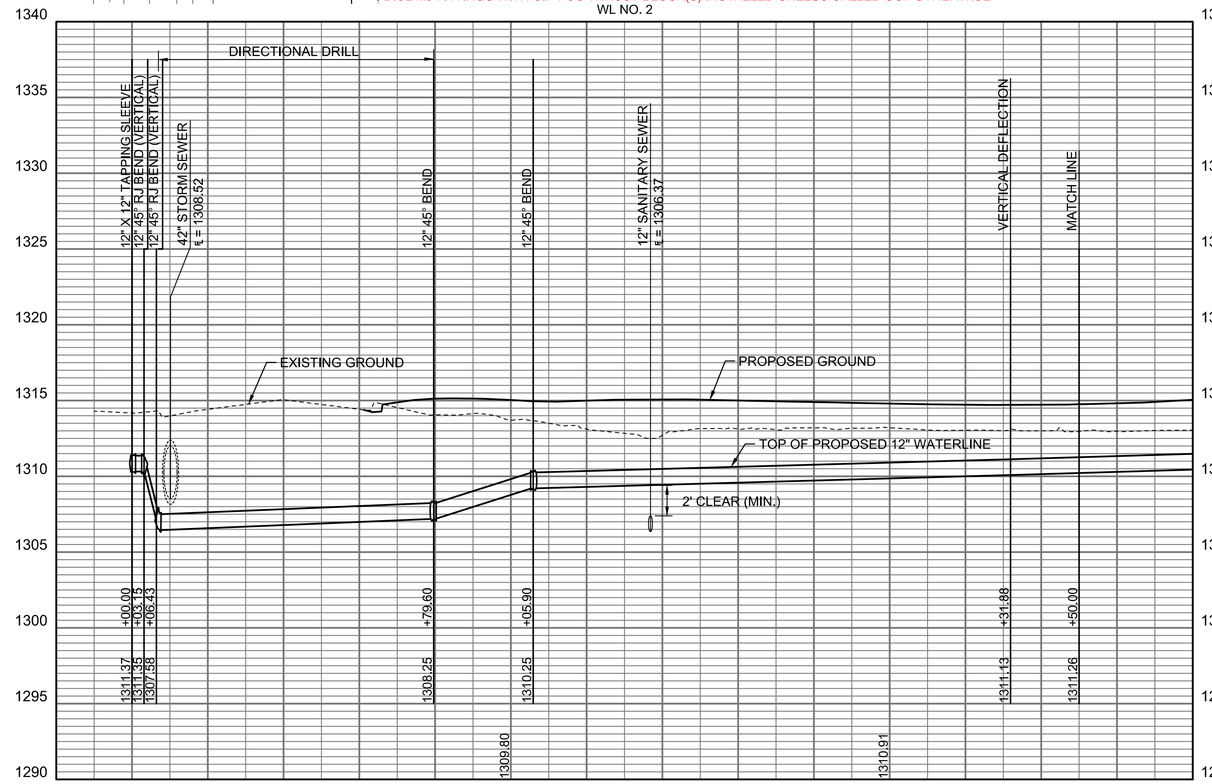
N: 1689535.3465, E: 1711244.1967
WL NO. 2, STA. 12+50.00=
YORKTOWN RD., STA. 102+02.94, 33' L
MATCH POINT

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" WATERLINE AT WL NO. 2, STA. 10+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

CONTACT JIM SOGIN AT 316-219-8921 AFTER THE TAP HOLE IS EXCAVATED TO VERIFY THE TAP CAN BE MADE.

** IF THERE IS NOT ADEQUATE SPACE FOR THE TAPPING SLEEVE AND VALVE, CONTRACTOR MUST SHUT DOWN EXISTING WATERLINE FOR CUT IN CONNECTION ON A SUNDAY.





PEC
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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
	RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect		
	08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU104

SAVED 1/10/2025 9:12:37 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:35:59 AM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU104 WATERLINE NO. 2.DWG

GARY JANZEN, P.E. WICHITA CITY ENGINEER

Reference Point Centerline of Yorktown Parkway & Central Ave

411' NORTH AND 31' WEST TO 1- 12" 11.25° RJ FITTING (SIGMA) + PCC BLOCK

386' NORTH AND 27' WEST TO FIRE HYDRANT (CLOW).

386' NORTH AND 30' WEST TO FH VALVE (EJ CO).
FIRE HYDRANT VALVE IS 3' WEST OF HYDRANT.

386' NORTH AND 31' WEST TO 1- 12"x6" TEE (SIGMA).

~~N: 1689517.2242, E: 1711244.2902~~
~~WL NO. 2, STA. 12+31.88=~~
~~YORKTOWN RD., STA. 101+84.82, 33' L~~
~~MATCH POINT~~

N: 1689535.3465, E: 1711244.1967
WL NO. 2, STA 12+50.00=
YORKTOWN RD., STA. 102+02.94, 33' L
MATCH POINT

N: 1,689,743.3297, E: 1,711,243.3635
STA. 14+57.99, WL NO. 2=
YORKTOWN RD., STA. 104+10.91, 31' L
12" 11.25° RJ BEND (VERTICAL)
DEFL. = 11°15'00" (VERT.)

N: 1,689,717.8936, E: 1,711,243.2553
STA. 14+32.55, WL NO. 2=
YORKTOWN RD., STA. 103+85.48, 31' L
FIRE HYDRANT ASSEMBLY
L= 4'
TOP VALVE BOX WL.= 1316.6
FH BURY LINE EL.= 1316.8

FH 17535
6" V 56499

N: 1,689,769.0435, E: 1,711,243.4729
STA. 14+83.70, WL NO. 2=
YORKTOWN RD., STA. 104+36.62, 30' L
12" 11.25° RJ BEND (VERICAL)
DEFL. = 11°15'00" (VERT.)

CAUTION !!!
2- PROPOSED 8' X 4' RCB
STORM WATER SEWER

437' NORTH AND 30' WEST TO 1- 12" 45° RJ FITTING (SIGMA) + PCC BLOCK

480' NORTH AND 30' WEST TO 1- 12" 11.25° RJ FITTING (SIGMA) + PCC BLOCK

N: 1,689,812.8229, E: 1,711,243.6591
STA. 15+27.48, WL NO. 2=
YORKTOWN RD., STA. 104+80.40, 29' L
12" 11.25° RJ BEND (VERTICAL)
DEFL. = 11°15'00" (VERT.)

N: 1,689,832.6353, E: 1,711,243.4529
STA. 15+47.29, WL NO. 2=
YORKTOWN RD., STA. 105+01.97, 28' L
12" 11.25° RJ BEND (VERTICAL)
DEFL. = 11°15'00" (VERT.)
PC CURVE
MATCH POINT

502' NORTH AND 29' WEST TO 1- 12" 11.25° RJ FITTING (SIGMA) + PCC BLOCK

PEC

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

BARBED-WIRE FENCE

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

10' SIDEWALK EASEMENT

3'

R/W LINE

PROP. 10' SIDEWALK

TS

12+00 13+00 14+00 15+00 16+00

PROP. 15" RCP

102+00 CL YORKTOWN PARKWAY 103+00 104+00 105+00 106+00

PROP. PAVEMENT LIMITS

PROP. 8' X 4' RCB SWS

PROP. 8' X 4' RCB SWS

PROP. 36" RCP

PROP. 15" RCP

UFO

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

200.24 L.F. 12" PIPE

24.83 L.F. 12" PIPE

25.35 L.F. 12" RJ PIPE

43.40 L.F. 12" RJ PIPE

19.45 L.F. 12" RJ PIPE

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

1340 1335 1330 1325 1320 1315 1310 1305 1300 1295 1290

MATCH LINE

FIRE HYDRANT ASSEMBLY

12" 11.25° RJ BEND (VERTICAL)

12" 11.25° RJ BEND (VERTICAL)

2- 8' X 4' RCB SWS
℄ = 1310.96

12" 11.25° RJ BEND (VERTICAL)

12" 11.25° RJ BEND (VERTICAL)
PC CURVE
MATCH LINE

PROPOSED GROUND

EXISTING GROUND

TOP OF PROPOSED 12" WATERLINE

3.6'

+50.00 +32.55 +58.06 +83.76 +27.48 +47.32

1311.26 1312.64 1311.75 1306.50 1306.50 1310.42

1311.64 1312.39 1306.50

13+00 14+00 15+00 16+00

1 2 3 4 5 6

A B C D E

SAVED 1/10/2025 9:21:05 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:36:26 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU105 WATERLINE NO. 2.DWG

CARY JANZEN, P.E. WICHITA CITY ENGINEER

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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU105

Reference Point Centerline of Central Ave & Yorktown Parkway

819' NORTH AND 17' WEST TO FIRE HYDRANT (CLOW).

819' NORTH AND 18' WEST TO FH VALVE (EJ CO.)
*FIRE HYDRANT VALVE IS 5' WEST OF HYDRANT

819' NORTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

817' NORTH AND 16' WEST TO 1- 12" VALVE ASSEMBLY (M&H), (SW).

821' NORTH AND 16' WEST TO 1- 12" VALVE ASSEMBLY (M&H), (NE).

502' NORTH AND 29' WEST TO
1- 12" 11.25° RJ FITTING (SIGMA) + PCC BLOCK

N: 1,689,832.6353, E: 1,711,243.4529
STA. 15+47.29, WL NO. 2=
YORKTOWN RD., STA. 105+01.97, 28' L
12" 11.25° RJ BEND (VERTICAL)
PC CURVE
MATCH POINT

NOMINAL RADIUS = 603.9'

N: 1,690,148.2347, E: 1,711,334.1197
STA. 18+79.79, WL NO. 2=
YORKTOWN RD., STA. 108+19.63, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX WL.= 1319.8
FH BURY LINE EL.= 1319.7
2- 12" VALVE ASSEMBLIES (NE,SW)
(MJ ~~GATE~~ VALVES) Butterfly
TOP VALVE BOX EL.= 1320.0 (NE)
TOP VALVE BOX EL.= 1319.7 (SW)

FH 17536
6" V 56500
8" V 56501 (LS)
8" V 56502 (LN)

N: 1,690,250.7839, E: 1,711,414.1026
STA. 20+10.10, WL NO. 2=
YORKTOWN RD., STA. 109+45.19, 22' L
PT CURVE
MATCH POINT

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

10' SIDEWALK EASEMENT
R/W LINE
PROP. 10' SIDEWALK
10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
PROP. 15" RCP
PROP. 30" RCP
WIRE FENCE
16+00 17+00 18+00 19+00 20+00
105+00 106+00 107+00 108+00 109+00 110+00

234.00 L.F. 12" PIPE
97.91 L.F. 12" PIPE
129.91 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

MATCH LINE
12" 11.25° RJ BEND (VERTICAL)
PC CURVE
+47.32
1310.42

EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 12" WATERLINE

1311.09
1312.36
+81.22
1313.38
1313.79
FIRE HYDRANT ASSEMBLY
+79.84
1315.54
1316.11
PT CURVE
MATCH LINE
+10.10
1319.24
1318.95

1340 1335 1330 1325 1320 1315 1310 1305 1300 1295 1290

16+00 17+00 18+00 19+00 20+00

SAVED 1/31/2025 10:46:47 AM BY CATHY.LINK
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U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU106 WATERLINE NO. 2.DWG

GARY JANZEN, P.E. WICHITA CITY ENGINEER

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PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU106

N: 1690250.7839, E: 1711414.1026
WL NO. 2, STA. 20+10.10=
YORKTOWN RD., STA. 109+45.19, 22' L
PT CURVE
MATCH POINT

N: 1,690,408.2504, E: 1,711,566.8711
STA. 22+29.49, WL NO. 2=
YORKTOWN RD., STA. 111+64.59, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1326.8
FH BURY LINE EL.= 1326.7
PC CURVE
MATCH POINT

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

10' SIDEWALK EASEMENT
6'
R/W LINE
PROP. 10' SIDEWALK
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
PROP. 30" RCP
R/W LINE
PROP. 15" RCP
PROP. 30" RCP
218.98 L.F. 12" PIPE

20+00 21+00 22+00 23+00 24+00
109+00 110+00 111+00 112+00 113+00

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

SEE REVISED SHEET CU107R (FOLLOWING SHEET)

WL NO. 2

PT CURVE MATCH LINE
FIRE HYDRANT ASSEMBLY
PC CURVE MATCH LINE
EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 12" WATERLINE

1345 1340 1335 1330 1325 1320 1315 1310 1305 1300 1295

1318.95 1319.24 +10.10 1320.59 1322.10 1322.54 +29.49

19+80 20+00 21+00 22+00 23+00

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CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309800)

Issue:		
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU107

Reference Point Centerline of Waterview Dr. & Yorktown Parkway

N: 1,690,277.7492, E: 1,711,440.2634
STA. 20+47.67, WL NO. 2=
YORKTOWN RD., STA. 109+82.76, 22' L
12" x 8" TEE
8" VALVE ASSEMBLY (SE)
(MJ GATE VALVE)
TOP VALVE BOX EL.= 1324.9

8" V 56503

758' SOUTH AND 22' WEST TO 1-12"x8" TEE (SIGMA).

758' SOUTH AND 20' WEST TO 1-8" VALVE ASSEMBLY (EJ COMPANY), (SE).

YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0'

N: 1690250.7839, E: 1711414.1026
WL NO. 2, STA. 20+10.10=
YORKTOWN RD., STA. 109+45.19, 22' L
PT CURVE
MATCH POINT

WL LINE NO. 7
SEE SHEET NO. CU122

576' SOUTH AND 16' WEST TO FIRE HYDRANT (CLOW).

576' SOUTH AND 16' WEST TO FH VALVE (EJ CO.).
*FIRE HYDRANT VALVE IS 5' WEST OF FH

576' SOUTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

N: 1,690,408.2504, E: 1,711,566.8711
STA. 22+29.49, WL NO. 2=
YORKTOWN RD., STA. 111+64.59, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1326.8
FH BURY LINE EL.= 1326.7
PC CURVE
MATCH POINT

FH 17537
6" V 56505

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5'

10' SIDEWALK EASEMENT
6'
R/W LINE
PROP. 10' SIDEWALK
10'
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
R/W LINE
PROP. 24" RCP
PROP. 15"RCP
PROP. 30" RCP
20+00
21+00
22+00
23+00
24+00
109+00
110+00
111+00
112+00
113+00

37.03 L.F. 12" PIPE

756' SOUTH AND 40' EAST TO 1- 8" DICL CAP (2" TAPPED)(SIGMA).

757' SOUTH AND 41' EAST TO 1- 2" VALVE(CLOW) & BLOWOFF.

2" BO 56504

180.87 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

PT CURVE
MATCH LINE
+10.10
1319.24
1318.95

12" X 8" TEE
+47.67
1319.81

1320.59

FIRE HYDRANT ASSEMBLY
PC CURVE
MATCH LINE
+29.49
1322.54
1322.10

EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED
12" WATERLINE
WL NO. 7
CONNECTION

1345
1340
1335
1330
1325
1320
1315
1310
1305
1300
1295

19+80
20+00
21+00
22+00
23+00

SAVED 7/16/2025 2:53:18 PM BY CATHY.LINK
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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU107R

Reference Point Centerline of Waterview Dr. & Yorktown Parkway

YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0°

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

N: 1,690,408.2504, E: 1,711,566.8711
STA. 22+29.49, WL NO. 2=
YORKTOWN RD., STA. 111+64.59, 22' L
PC CURVE
FIRE HYDRANT ASSEMBLY
MATCH POINT

576' SOUTH AND 16' WEST TO FIRE HYDRANT (CLOW).

576' SOUTH AND 16' WEST TO FH VALVE (EJ CO.).
*FIRE HYDRANT VALVE IS 5' WEST OF FH

576' SOUTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

FH 17537
6" V 56505

N: 1,690,796.6773, E: 1,711,720.9382
STA. 26+58.30, WL NO. 2=
YORKTOWN RD., STA. 116+10.66, 22' L
PT CURVE
MATCH POINT

NOMINAL RADIUS = 545.9'

10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)

R/W LINE

PROP. 10' SIDEWALK

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 45° RCP

PROP. 15" RCP

PROP. 30" RCP

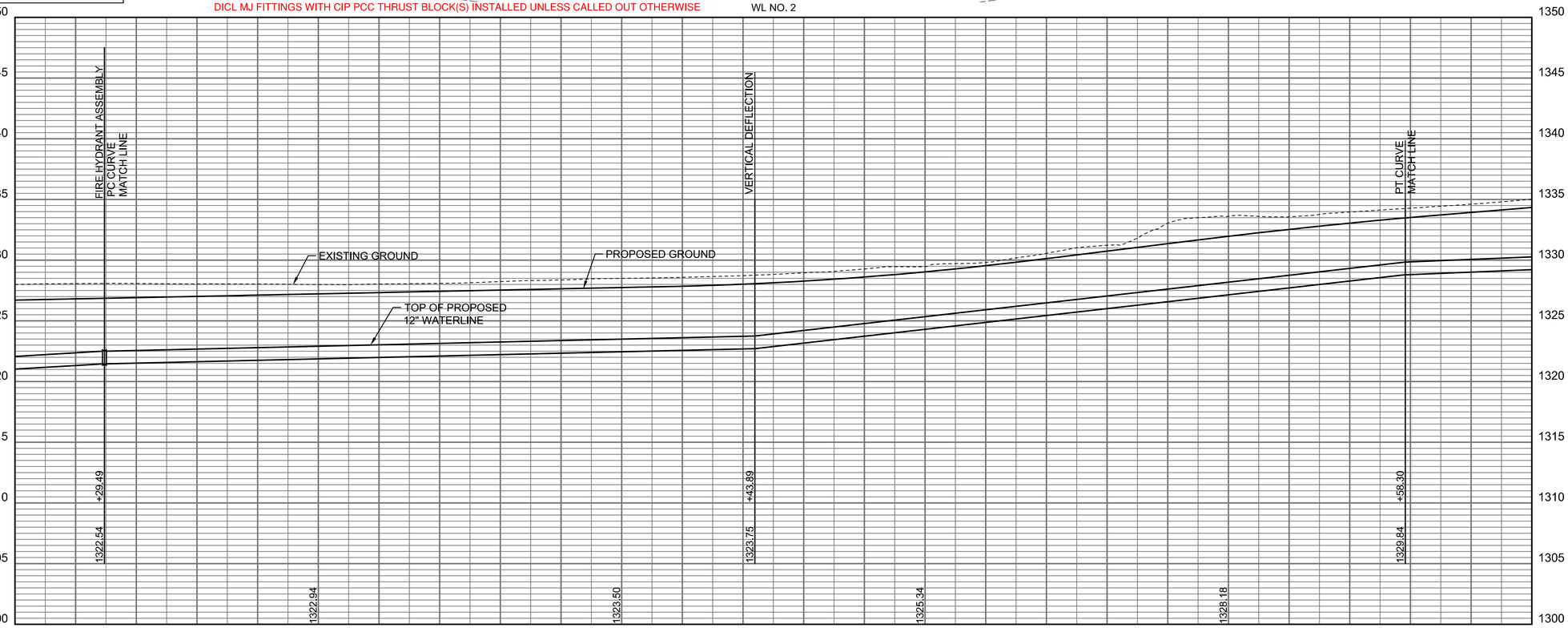
214.03 L.F. 12" PIPE

214.40 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2



SAVED 1/31/2025 9:25:21 AM BY CATHY LINK
PLOTTED 1/31/2025 9:37:51 AM BY CATHY LINK
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CARY LANZEN, P.E. WICHITA CITY ENGINEER

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CITY OF WICHITA

GAGE SCHEER
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28775
KANSAS
PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU108

Reference Point Centerline of Waterview Dr. & Yorktown Parkway

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5

26' SOUTH AND 22' WEST TO 1-12"x8" TEE (SIGMA).
19' SOUTH AND 22' WEST TO 1-12" VALVE (N) (M&H)

WL LINE NO. 3
SEE SHEET NO. CU119

N: 1,690,901.4996, E: 1,711,719.3487
STA. 27+63.13, WL NO. 2=
STA. 15+89.80, WL NO. 3=
YORKTOWN RD., STA. 117+15.50, 22' L
12" x 8" TEE
12" VALVE ASSEMBLY (N) 117+22.50
(MJ ~~GATE~~ VALVE) Butterfly
TOP VALVE BOX EL.= 1335.2 (N)

41' SOUTH AND 22' WEST TO 1-12" VALVE (M&H).

N: 1,690,886.5418, E: 1,711,719.5631
STA. 27+48.17, WL NO. 2=
YORKTOWN RD., STA. 117+00.54, 22' L
12" LINE VALVE
TOP VALVE BOX EL.= 1335.2

N: 1,690,796.6773, E: 1,711,720.9382
STA. 26+58.30, WL NO. 2=
YORKTOWN RD., STA. 116+10.66, 22' L
PT CURVE
MATCH POINT

CAUTION !!!
18" RCP
STORM WATER SEWER

270' NORTH AND 16' WEST TO FIRE HYDRANT (CLOW).
270' NORTH AND 21' WEST TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 5' WEST OF HYDRANT
270' NORTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

N: 1,691,196.6315, E: 1,711,714.8849
STA. 30+58.30, WL NO. 2=
YORKTOWN RD., STA. 120+10.66, 22' L
INSTALL FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1338.8
FH BURY LINE EL.= 1338.8
MATCH POINT

FH 17538
6" V 56509

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

R/W LINE
PROP. 10' SIDEWALK
6'

WATERVIEW DRIVE

205+00
15+00
206+00

26+00 27+00 28+00 29+00 30+00 31+00

116+00 117+00 118+00 119+00 120+00

CL YORKTOWN PARKWAY

RP

PROPOSED PAVEMENT

12" V 56506 (LS)
12" V 56507 (LN)
8" V 56508 (LW)

PROP. 18" RCP
PROP. 15" RCP
PROP. 30" RCP
PROP. 15" RCP
PROP. 15" RCP

R/W LINE

89.85 L.F. 12" PIPE
14.44 L.F. 12" PIPE
YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0'
294.21 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

PT CURVE
MATCH LINE
+58.30
1329.84

12" X 8" TEE
18" STORM SEWER
+63.13
1330.91
℄ = 1326.28

1330.27
1331.30
1332.36
1333.42

FIRE HYDRANT ASSEMBLY
MATCH LINE
+56.30
1334.04

PROPOSED GROUND
EXISTING GROUND
TOP OF PROPOSED
12" WATERLINE
WL NO. 3
CONNECTION

1360 1355 1350 1345 1340 1335 1330 1325 1320 1315 1310

27+00 28+00 29+00 30+00 31+00

SAVED 1/10/2025 9:51:24 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:38:18 AM BY CATHY.LINK
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GARY LAMZEN, P.E. WICHITA CITY ENGINEER

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CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU109

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT:

N: 1,691,196.6315, E: 1,711,714.8849
STA. 30+58.30, WL NO. 2=
YORKTOWN RD., STA. 120+10.66, 22' L
FIRE HYDRANT ASSEMBLY
MATCH POINT

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

PROP. 10' SIDEWALK

R/W LINE

N: 1,691,519.6149, E: 1,711,710.0039
STA. 33+81.32, WL NO. 2=
YORKTOWN RD., STA. 123+33.69, 22' L
INSTALL PC CURVE

NOMINAL RADIUS= 545.9'

N: 1,691,596.4655, E: 1,711,703.3909
STA. 34+58.52, WL NO. 2=
YORKTOWN RD., STA. 124+13.99, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1338.2
FH BURY EL.= 1338.2
MATCH POINT

30+00 31+00 32+00 33+00 34+00 35+00

120+00 121+00 122+00 123+00 124+00 125+00

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 15" RCP

322.58 L.F. 12" PIPE

76.81 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS
SHOWN ARE TOP OF PIPE.

WL NO. 2

**SEE REVISED SHEET CU110R
(FOLLOWING SHEET)**

FIRE HYDRANT ASSEMBLY
MATCH LINE
+58.30
1334.04

PC CURVE
+81.39
1334.04

FIRE HYDRANT ASSEMBLY
MATCH LINE
+58.52
1334.04

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED
12" WATERLINE

1365 1360 1355 1350 1345 1340 1335 1330 1325 1320 1315

31+00 32+00 33+00 34+00 35+00

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CITY OF WICHITA

GAGE SCHEER
LICENSED
28775
KANSAS
PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540330980)

Issue:		
	RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect		
	08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU110

Reference Point Centerline of Waterview Dr. & Yorktown Parkway

YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0'

270' NORTH AND 16' WEST TO FIRE HYDRANT (CLOW).

270' NORTH AND 21' WEST TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 5' WEST OF HYDRANT

270' NORTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

FH 17538
6" V 56509

557' NORTH AND 22' WEST TO 1-12"x8" TEE (SIGMA).

557' NORTH AND 17' WEST TO 1-8" VALVE ASSEMBLY (EJ COMPANY), (SE).

1,691,196.6315, E: 1,711,714.8849
A. 30+58.30, WL NO. 2=
RKTOWN RD., STA. 120+10.66, 22' L
FIRE HYDRANT ASSEMBLY
MATCH POINT

STA. 33+44.93, WL NO. 2=
YORKTOWN RD., STA. 122+97.29, 22' L
12" x 8" TEE
8" VALVE ASSEMBLY (SE)
(MJ GATE VALVE)
TOP VALVE BOX EL.= 1338.0

WL LINE NO. 6
SEE SHEET NO. CU122

674' NORTH AND 16' WEST TO FIRE HYDRANT (CLOW).

674' NORTH AND 121' WEST TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE = 5' WEST OF HYDRANT

674' NORTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

N: 1,691,519.6149, E: 1,711,710.0039
STA. 33+81.32, WL NO. 2=
YORKTOWN RD., STA. 123+33.69, 22' L
INSTALL PC CURVE

NOMINAL RADIUS= 545.9'

N: 1,691,596.4655, E: 1,711,703.3909
STA. 34+58.52, WL NO. 2=
YORKTOWN RD., STA. 124+13.99, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1338.2
FH BURY EL.= 1338.2
MATCH POINT

FH 17540
6" V 56517

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5'

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

PROP. 10' SIDEWALK

6"

R/W LINE

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 15" RCP

PROP. 15" RCP

PROP. 15" RCP

PROP. 15" RCP

R/W LINE

30+00 31+00 32+00 33+00 34+00 35+00

120+00 121+00 122+00 123+00 124+00 125+00

TS

285.67 L.F. 12" PIPE

556' NORTH AND 40' EAST TO 1- 8" DICL MJ CAP (SIGMA) (THREADED).
558' NORTH AND 41' EAST TO 1- 2" BLOWOFF ASSEMBLY (CLOW)..

35.82 L.F. 12" PIPE

76.81 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

1365 1360 1355 1350 1345 1340 1335 1330 1325 1320 1315

FIRE HYDRANT ASSEMBLY MATCH LINE

+58.30

1334.04

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED 12" WATERLINE

12" X 8" TEE

+44.93

1334.04

PC CURVE

+81.39

1334.04

WL NO. 6 CONNECTION

FIRE HYDRANT ASSEMBLY MATCH LINE

+58.52

1334.04

1334.04 1334.04 1334.04

31+00 32+00 33+00 34+00 35+00

SAVED 6/3/2025 1:35:24 PM BY CATHY.LINK
PLOTTED 7/16/2025 2:59:08 PM BY CATHY LINK
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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU110R

Reference Point Centerline of Woodstone Dr. & Yorktown Parkway

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

N: 1,691,596.4655, E: 1,711,703.3909
STA. 34+58.52, WL NO. 2=
YORKTOWN RD., STA. 124+13.99, 22' L
FIRE HYDRANT ASSEMBLY
MATCH POINT

FH 17540
6" V 56517

487' SOUTH AND 16' WEST TO FIRE HYDRANT (CLOW).

487' SOUTH AND 121' WEST TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE = 5' WEST OF HYDRANT

487' SOUTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

N: 1,691,903.2052, E: 1,711,544.2597
STA. 38+10.12, WL NO. 2=
YORKTOWN RD., STA. 127+79.76, 22' L
PT CURVE
MATCH POINT

NOMINAL RADIUS = 545.9'

WOODSTONE DR

34+00 35+00 36+00 37+00 38+00 39+00 129+00

124+00 125+00 126+00 127+00 128+00

PROP. 10' SIDEWALK

6"

R/W LINE

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

PROP. 15" RCP

PROP. 15" RCP

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

R/W LINE

351.27 L.F. 12" PIPE

SECTION LINE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

1365 1360 1355 1350 1345 1340 1335 1330 1325 1320 1315

FIRE HYDRANT ASSEMBLY
MATCH LINE

+58.52

1334.04

1333.96

1333.77

1333.58

1333.38

+10.12

1333.37

PT CURVE
MATCH LINE

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED
12" WATERLINE

35+00 36+00 37+00 38+00

SAVED 1/31/2025 9:25:57 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:39:12 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU111 WATERLINE NO. 2.DWG

GARY LAMZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER
LICENSED
28775
PROFESSIONAL ENGINEER
KANSAS

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND
COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU111

Reference Point Centerline of Woodstone Dr. & Yorktown Parkway

27' WEST AND 22' SOUTH TO 1-12"x8" TEE (SIGMA).

21' WEST AND 22' SOUTH TO 1-12" VALVE ASSEMBLY (M&H), (SE).

N: 1,692,006.2831, E: 1,711,438.0158
STA. 39+58.15, WL NO. 2=
YORKTOWN RD., STA. 129+27.79, 22' L
12" x 8" TEE
12" VALVE ASSEMBLY (SE)
(MJ ~~GATE~~ VALVE) Butterfly
TOP VALVE BOX EL.= 1334.8 (SE)

WL LINE NO. 4
SEE SHEET NO. CU120

41' WEST AND 23' SOUTH TO 1-12" LINE VALVE (M&H).

N: 1,692,015.8494, E: 1,711,428.0642
STA. 39+71.96, WL NO. 2=
YORKTOWN RD., STA. 129+41.60, 22' L
12" LINE VALVE
(MJ ~~GATE~~ VALVE) Butterfly
TOP VALVE BOX EL.= 1335.0

8" V 56532 (LW)
12" V 56533 (NW)
12" V 56534 (SE)

306' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

306' WEST AND 21' SOUTH TO FIRE HYDRANT (EJ CO.).
FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRAN.

306' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

N: 1,692,200.8151, E: 1,711,237.5089
STA. 42+37.52, WL NO. 2=
YORKTOWN RD., STA. 132+07.16, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1334.9
FH BURY LINE EL.= 1334.8
PC CURVE
MATCH POINT

FH 17541
6" V 56518

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT:

N: 1,691,903.2052, E: 1,711,544.2597
STA. 38+10.12, WL NO. 2=
YORKTOWN RD., STA. 127+79.76, 22' L
PT CURVE
MATCH POINT

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

CAUTION !!!
30" RCP
STORM WATER SEWER

WOODSTONE DRIVE

CITY RIGHT-OF-WAY

PROP. 10' SIDEWALK

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 30" RCP

PROP. 30" RCP

PROP. 30" RCP

R/W LINE

141.98 L.F. 12" PIPE

13.16 L.F. 12" PIPE

265.25 L.F. 12" PIPE

RP

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0'

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

PT CURVE
MATCH LINE

30" STORM SEWER
℄ = 1327.16

12" X 8" TEE

FIRE HYDRANT ASSEMBLY
PC CURVE
MATCH LINE

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED
12" WATERLINE

WL NO. 3
CONNECTION

+10.12
1333.37

+58.15
1331.44

+37.52
1330.64

1332.20
1331.32
1331.03
1330.75

1365
1360
1355
1350
1345
1340
1335
1330
1325
1320
1315

38+00 39+00 40+00 41+00 42+00 43+00

SAVED 1/10/2025 3:37:42 PM BY CATHY.LINK
PLOTTED 1/31/2025 9:39:39 AM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU112 WATERLINE NO. 2.DWG

CARY LANZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU112

Reference Point Centerline of Woodstone Dr. & Yorktown Parkway

FH 17541
6" V 56518

N: 1,692,200.8151, E: 1,711,237.5089
STA. 42+37.52, WL NO. 2=
YORKTOWN RD., STA. 132+07.16, 22' L
PC CURVE
FIRE HYDRANT ASSEMBLY
MATCH POINT

306' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

306' WEST AND 21' SOUTH TO FH VALVE (EJ CO.)
*FIRE HYDRANT VALVE = 5' SOUTH OF HYDRANT.

306' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0°

FH 17542
6" V 56519

749' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

749' WEST AND 21' SOUTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE = 5' SOUTH OF HYDRANT

749' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

N: 1,692,354.9009, E: 1,710,852.2085
STA. 46+63.18, WL NO. 2=
YORKTOWN RD., STA. 136+49.98, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1336.2
FH BURY LINE EL.= 1336.1
PT CURVE
MATCH POINT

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5'

CITY RIGHT-OF-WAY
SECTION LINE
PROP. 10' SIDEWALK
10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)
NOMINAL RADIUS= 530.4'
R/W LINE
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
PROP. 18" RCP
PROP. 24" RCP
PROP. 30" RCP
151.50 L.F. 12" PIPE
274.25 L.F. 12" PIPE
42+00
43+00
44+00
45+00
46+00
132+00
133+00
134+00
135+00
136+00

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

FIRE HYDRANT ASSEMBLY
PC CURVE
MATCH LINE
+37.52
1330.64
VERTICAL DEFLECTION
+89.38
1331.18
1330.86
1331.21
1331.48
1331.76
FIRE HYDRANT ASSEMBLY
PT CURVE
MATCH LINE
+63.18
1331.94
EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 12" WATERLINE
1365
1360
1355
1350
1345
1340
1335
1330
1325
1320
1315
43+00
44+00
45+00
46+00
47+00

SAVED 1/31/2025 9:29:34 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:40:05 AM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU113 WATERLINE NO. 2.DWG

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CITY OF WICHITA

GAGE SCHEER
LICENSED
28775
KANSAS
PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU113

GARY JANZEN, P.E. WICHITA CITY ENGINEER

Reference Point Centerline of Woodstone Dr. & Yorktown Parkway

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0°

749' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

749' WEST AND 21' SOUTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE = 5' SOUTH OF HYDRANT

749' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA)

FH 17542
6" V 56519

N: 1,692,354.9009, E: 1,710,852.2085
STA. 46+63.18, WL NO. 2=
YORKTOWN RD., STA. 136+49.98, 22' L
FIRE HYDRANT ASSEMBLY
PT CURVE
MATCH POINT

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

R/W LINE

PROP. 10' SIDEWALK

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 30" RCP

PROP. 18" RCP

R/W LINE

364.74 L.F. 12" PIPE

1148' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

1148' WEST AND 21' SOUTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRANT

1148' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

N: 1,692,351.4636, E: 1,710,487.8613
STA. 50+27.55, WL NO. 2=
YORKTOWN RD., STA. 140+14.34, 22' L
PC CURVE

N: 1,692,352.1764, E: 1,710,452.2178
STA. 50+63.20, WL NO. 2=
YORKTOWN RD., STA. 140+48.70, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1337.1
FH BURY LINE EL.= 1337.0

FH 17543
6" V 56520

NOMINAL RADIUS= 603.9'

35.28 L.F. 12" PIPE

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

FIRE HYDRANT ASSEMBLY
PT CURVE
MATCH LINE
+63.18
1331.94

PC CURVE
+27.51
1332.76

FIRE HYDRANT ASSEMBLY
MATCH LINE
+63.21
1332.84

1332.02
1332.25
1332.47
1332.70

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED
12" WATERLINE

SAVED 1/31/2025 9:28:49 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:40:31 AM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU114 WATERLINE NO. 2.DWG

CATHY LANZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
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316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER
LICENSED
28775
KANSAS
PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU114

Reference Point Centerline of Woodstone Dr. & Yorktown Parkway

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0°

N: 1,692,352.1764, E: 1,710,452.2178
STA. 50+63.20, WL NO. 2=
YORKTOWN RD., STA. 140+48.70, 22' L
FIRE HYDRANT ASSEMBLY
MATCH POINT

1148' WEST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

1148' WEST AND 21' SOUTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRANT

1148' WEST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

FH 17543
6" V 56520

Reference Point Centerline of Commerce St. & Yorktown Parkway

884' EAST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

884' EAST AND 21' SOUTH TO FH VALVE (EJ CO).
*FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRANT

884' EAST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

YORKTOWN RD., STA. 153+25.63=
COMMERCE ST., STA. 413+08.01, 0°

N: 1,692,503.1960, E: 1,710,081.8220
STA. 54+70.90, WL NO. 2=
YORKTOWN RD., STA. 144+41.54, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1337.6
FH BURY LINE EL.= 1337.5
MATCH POINT

FH 17544
6" V 56521

NOMINAL RADIUS= 603.9'

406.93 L.F. 12" PIPE

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5'

10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)

50+00 51+00 52+00 53+00 54+00 55+00
140+00 141+00 142+00 143+00 144+00 145+00

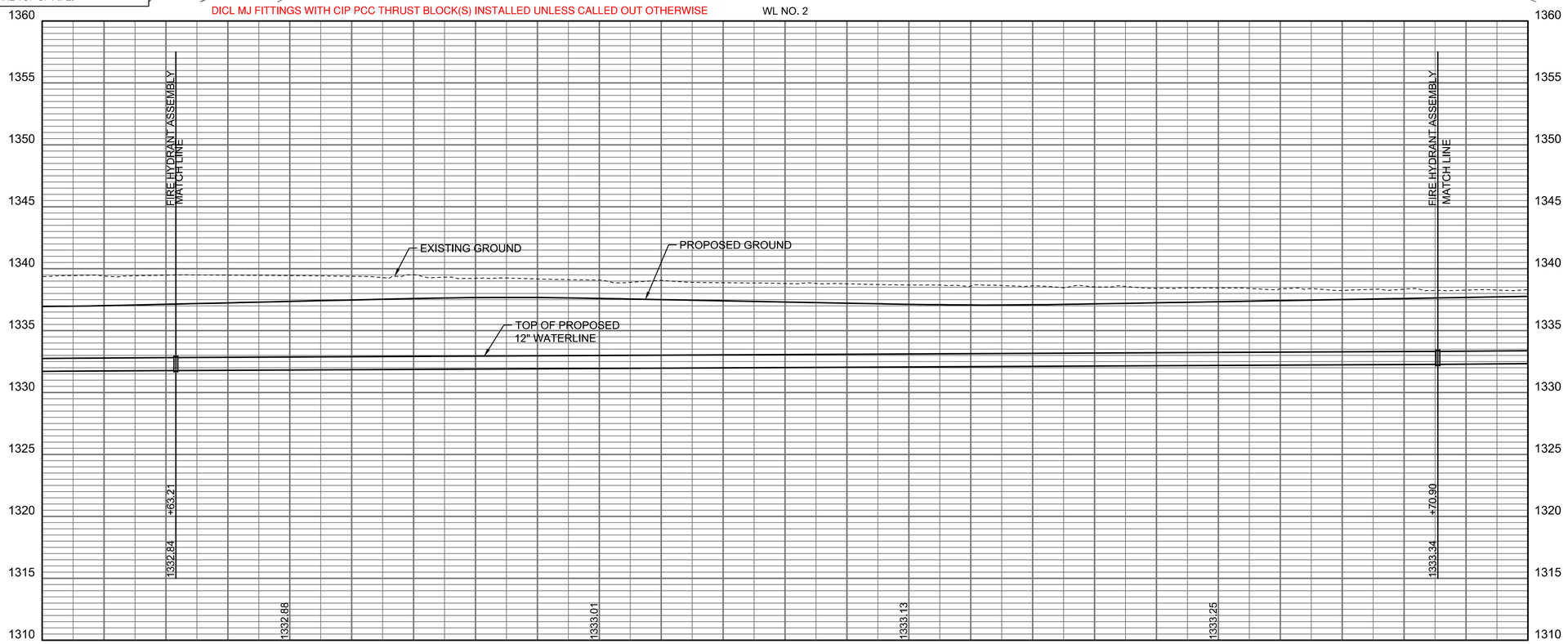
R/W LINE
PROP. SIDEWALK
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
PROP. 18" RCP
PROP. 30" RCP
PROP. 24" RCP
R/W LINE

TS

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2



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CITY OF WICHITA

GAGE SCHERER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU115

SAVED 1/31/2025 9:28:11 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:40:58 AM BY CATHY LINK
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GARY JANZEN, P.E. WICHITA CITY ENGINEER

Reference Point Centerline of Commerce St. & Yorktown Parkway

YORKTOWN RD., STA. 153+25.63=
COMMERCE ST., STA. 413+08.01, 0'

884' EAST AND 16' SOUTH TO FIRE HYDRANT (CLOW).

884' EAST AND 21' SOUTH TO FH VALVE (EJ CO).
*FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRANT

884' EAST AND 22' SOUTH TO 1- 12"x6" TEE (SIGMA).

FH 17544
6" V 56521

N: 1,692,503.1960, E: 1,710,081.8220
STA. 54+70.90, WL NO. 2=
YORKTOWN RD., STA. 144+41.54, 22' L
FIRE HYDRANT ASSEMBLY
MATCH POINT

489' EAST AND 17' SOUTH TO FIRE HYDRANT (CLOW).

489' EAST AND 22' SOUTH TO FH VALVE (EJ CO)
FIRE HYDRANT VALVE IS 5' SOUTH OF HYDRANT

489' EAST AND 23' SOUTH TO 1- 12"x6" TEE (SIGMA).

FH 17545
6" V 56522

N: 1,692,831.8546, E: 1,709,853.8230
STA. 58+72.90, WL NO. 2=
YORKTOWN RD., STA. 148+36.65, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1338.6
FH BURY LINE EL.= 1338.6

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5'

N: 1,692,648.4806, E: 1,709,962.0180
STA. 56+59.98, WL NO. 2=
YORKTOWN RD., STA. 146+23.74, 22' L
PT CURVE

N: 1,692,875.0019, E: 1,709,828.3662
STA. 59+22.99, WL NO. 2=
YORKTOWN RD., STA. 148+86.74, 22' L
INSTALL PC CURVE

SECTION LINE

NOMINAL RADIUS = 603.9'

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

PROP. SIDEWALK — ℄ — R/W LINE — PROP. 10' SIDEWALK

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

PROP. 18" RCP

TS

55+00 56+00 57+00 58+00 59+00 60+00
145+00 146+00 147+00 148+00 149+00

188.71 L.F. 12" PIPE

212.50 L.F. 12" PIPE

49.68 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 2

1360 1355 1350 1345 1340 1335 1330 1325 1320 1315 1310

FIRE HYDRANT ASSEMBLY MATCH LINE — +70.90 — 1333.34

PT CURVE — +59.98 — 1333.68

FIRE HYDRANT ASSEMBLY — +72.91 — 1334.44

PC CURVE MATCH LINE — +22.99 — 1334.27

1333.39 1333.57 1333.82 1334.18 1334.35

EXISTING GROUND

PROPOSED GROUND

TOP OF PROPOSED
12" WATERLINE

55+00 56+00 57+00 58+00 59+00

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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU116

SAVED 1/31/2025 9:32:00 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:41:26 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU116 WATERLINE NO. 2.DWG

CARY JANZEN, P.E. WICHITA CITY ENGINEER

Reference Point Centerline of Commerce St. & Yorktown Parkway

171' SOUTH AND 16' WEST TO FIRE HYDRANT (CLOW).

171' SOUTH AND 21' WEST TO FH VALVE (EJ CO)
FIRE HYDRANT VALVE 5' WEST OF HYDRANT

171' SOUTH AND 22' WEST TO 1- 12"x6" TEE (SIGMA).

FH 17546
6" V 56523

N: 1,693,107.8613, E: 1,709,749.1342
STA. 61+70.69, WL NO. 2=
YORKTOWN RD., STA. 151+25.42, 22' L
FIRE HYDRANT ASSEMBLY
L= 6'
TOP VALVE BOX EL.= 1339.0
FH BURY LINE EL.= 1338.9

29' SOUTH AND 24' WEST TO 1-12"x12" TEE (SIGMA).

N: 1,693,281.2325, E: 1,709,743.0701
STA. 63+44.26, WL NO. 2=
STA. 12+77.87, WL NO. 1=
YORKTOWN RD., STA. 152+95.02, 23' L
12" x 12" TEE
END WL NO. 2

12" V 51250 (LW)
12" V 56528 (LE)
12" V 56529 (LS)

N: 1,693,173.2187, E: 1,709,744.6360
STA. 62+36.24, WL NO. 2=
YORKTOWN RD., STA. 151+88.58, 22' L
PT CURVE

43' SOUTH AND 22' WEST TO 1-12" VALVE ASSEMBLY (M&H).

N: 1,693,267.1341, E: 1,709,743.2197
STA. 63+30.16, WL NO. 2=
YORKTOWN RD., STA. 152+80.95, 22' L
12" LINE VALVE
(MJ ~~GATE~~ VALVE) BUTTERFLY
TOP VALVE BOX EL.= 1338.6

N: 1,692,875.0019, E: 1,709,828.3662
STA. 59+22.99, WL NO. 2=
YORKTOWN RD., STA. 148+86.74, 22' L
PC CURVE
MATCH POINT

NOMINAL RADIUS = 603.9'

10' TEMPORARY CONSTRUCTION EASEMENT (BY SEPARATE INSTRUMENT)

PROP. 10' SIDEWALK

6'

R/W LINE

CL YORKTOWN PARKWAY

PROPOSED PAVEMENT

DRIPLINE

SECTION LINE

PROP. 18" RCP

WL LINE NO. 1
SEE SHEET NO. CU101

RP

SE CORNER NE 1/4 NW 1/4 SEC. CORNER SEC. 17, T27S, R2E 3/4" SMOOTH BAR

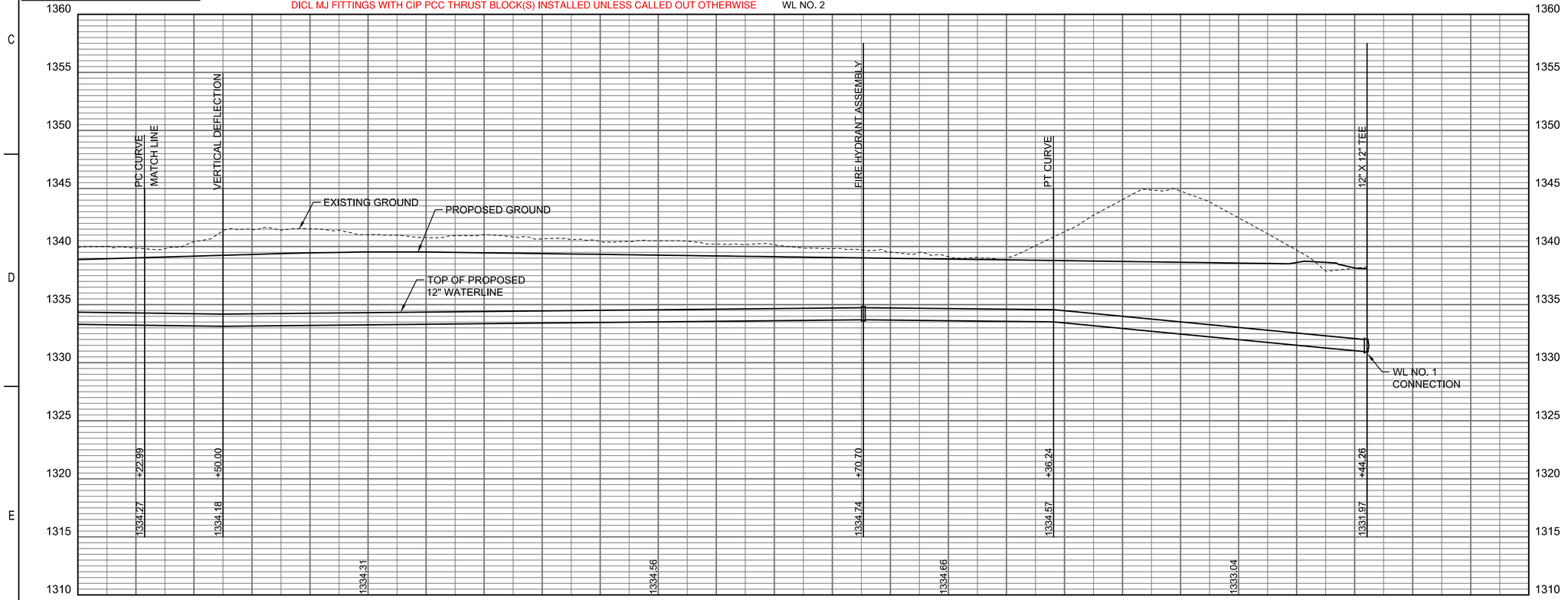
59+00 60+00 61+00 62+00 63+00 64+00 149+00 150+00 151+00 152+00 153+00 154+00 413+00

27.01 L.F. 12" PIPE
220.29 L.F. 12" PIPE
65.10 L.F. 12" PIPE
94.00 L.F. 12" PIPE
13.30 L.F. 12" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE WL NO. 2

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5



SAVED 1/10/2025 3:37:32 PM BY CATHY.LINK
PLOTTED 1/31/2025 9:41:53 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU117 WATERLINE NO. 2.DWG

CARY HANZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28773 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND
COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 2

CU117

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINE AT WL NO. 3, STA. 10+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

N: 1,690,898.4820, E: 1,711,160.6223
STA. 10+00.00, WL NO. 3=
WATERVIEW DR., STA. 200+26.41, 21' R
EXISTING 8" WATERLINE *
REMOVE EXISTING BLOWOFF AND
CONNECT NEW PIPE
BEGIN WL NO. 3

N: 1,690,898.5259, E: 1,711,165.6221
STA. 10+05.00, WL NO. 3=
WATERVIEW DR., STA. 200+31.41, 21' R
8" 22.5° BEND
DEFL. = 22°30'00"

N: 1,690,893.3033, E: 1,711,178.5513
STA. 10+18.94, WL NO. 3=
WATERVIEW DR., STA. 200+44.26, 26' R
8" 22.5° BEND
DEFL. = 22°30'00"

N: 1690896.8047, E: 1711409.5799
WL NO. 3, STA. 12+50.00=
WATERVIEW DR., STA. 202+75.31, 26' R
MATCH POINT

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5

CRESCENT LAKES ADDITION

WATERVIEW DR.

CONC. SIDEWALK
G — G — G (KGS)
TREE ROW
BASKETBALL GOAL
PROP. 18" RCP
R/W LINE
CL WATERVIEW DR
PROPOSED PAVEMENT
200+00
201+00
202+00
203+00
ASPHALT ROAD
2" BIRCH
CP-104
8" WL
W
WV (RECORD-GIS)
WV (RECORD)
3" ELM
GRASS
EYL
6" CEDAR
1" ROSE BUSH
3" CEDAR
ICV
2" BUSH (TYP. OF 4)
10+00
11+00
PROP. 24" RCP
12+00
13+00
6'
6'
R/W LINE
10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

80.84 L.F. 8" PIPE
4.79 L.F. 8" DICL PIPE
13.53 L.F. 8" PIPE
150.00 L.F. 8" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

WL NO. 3

SEE REVISED SHEET CU118R (FOLLOWING SHEET)

EXISTING 8" WATERLINE *
8" 22.5° BEND
8" 22.5° BEND
VERTICAL DEFLECTION
MATCH LINE

EXISTING GROUND
PROPOSED GROUND
TOP OF EXISTING 8" WATERLINE *
TOP OF PROPOSED 8" WATERLINE

+00.00	+05.00	+18.94	+00.00	+50.00
1327.92	1327.90	1327.82	1327.85	1328.57

1328.33

1355 1350 1345 1340 1335 1330 1325 1320 1315 1310 1305

10+00 11+00 12+00

SAVED 1/31/2025 9:31:23 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:42:18 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU118 WATERLINE NO. 3.DWG

CARY HAZEN, P.E. WICHITA CITY ENGINEER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309800)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 3

CU118

Reference Point Centerline of Yorktown Parkway & Waterview Dr.

580' WEST AND 21' SOUTH TO 1- 8" 22.5° DICL MJ FITTING (SIGMA).

N: 1,690,898.5259, E: 1,711,165.6221
STA. 10+05.00, WL NO. 3=
WATERVIEW DR., STA. 200+31.41, 21' R
8" 22.5° BEND
DEFL. = 22°30'00"

N: 1,690,898.4820, E: 1,711,160.6223
STA. 10+00.00, WL NO. 3=
WATERVIEW DR., STA. 200+26.41, 21' R
EXISTING 8" WATERLINE *
REMOVE EXISTING BLOWOFF AND
CONNECT NEW PIPE
BEGIN WL NO. 3

CRESCENT LAKES ADDITION

567' WEST AND 26' SOUTH TO 1- 8" 22.5° DICL MJ FITTING (SIGMA)

N: 1,690,893.3033, E: 1,711,178.5513
STA. 10+18.94, WL NO. 3=
WATERVIEW DR., STA. 200+44.26, 26' R
8" 22.5° BEND
DEFL. = 22°30'00"

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINE AT WL NO. 3, STA. 10+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

395' WEST AND 38' NORTH TO FIRE HYDRANT (CLOW).

392' WEST AND 38' NORTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 3' EAST OF HYDRANT

391' WEST AND 38' NORTH TO 1- 8"x6" TEE (SIGMA).

391' WEST AND 39' NORTH TO 1- 8" DICL MJ CAP(N)(SIGMA)

391' WEST AND 26' SOUTH TO 1- 8"x8" CROSS (SIGMA).

391' WEST AND 23' SOUTH TO 1- 8" VALVE ASSEMBLY (EJ COMPANY), (N).

391' WEST AND 29' SOUTH TO 1- 8" ANCHORED VALVE ASSEMBLY (EJ COMPANY), (S).

CAUTION !!!
PROP. 18" RCP
STORM WATER SEWER

FH 17549
6" V 56526

R/W LINE

WL LINE NO. 5
SEE SHEET NO. CU121

N: 1,690,895.9028, E: 1,711,350.0674
STA. 11+90.48, WL NO. 3=
WATERVIEW DR., STA. 202+15.79, 26' R
8" x 8" CROSS
8" VALVE ASSEMBLY (N)
8" ANCHORED VALVE ASSEMBLY (S)
(MJ GATE VALVES)
TOP VALVE BOX EL.= 1332.0 (N)
TOP VALVE BOX EL.= 1331.8 (S)
MATCH POINT

YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0' RP

WATERVIEW DR.

CONC. SIDEWALK
(KGS)
TREE ROW
BARRICADE
PROP. 18" RCP

200+00 201+00 202+00 203+00

CL WATERVIEW DR
PROPOSED PAVEMENT

ASPHALT ROAD
2" BIRCH
CP-104
8" WL
W
WV (RECORD-GIS)
3" ELM
GRASS
EYL
6" CEDAR
1" ROSE BUSH
3" CEDAR
ICV
2" BUSH (TYP. OF 3)

10+00 11+00 PROP. 24" RCP 12+00 13+00

10'00 6' 6'

R/W LINE

391' WEST AND 33' SOUTH TO 1- 8" PLUG, (N).

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

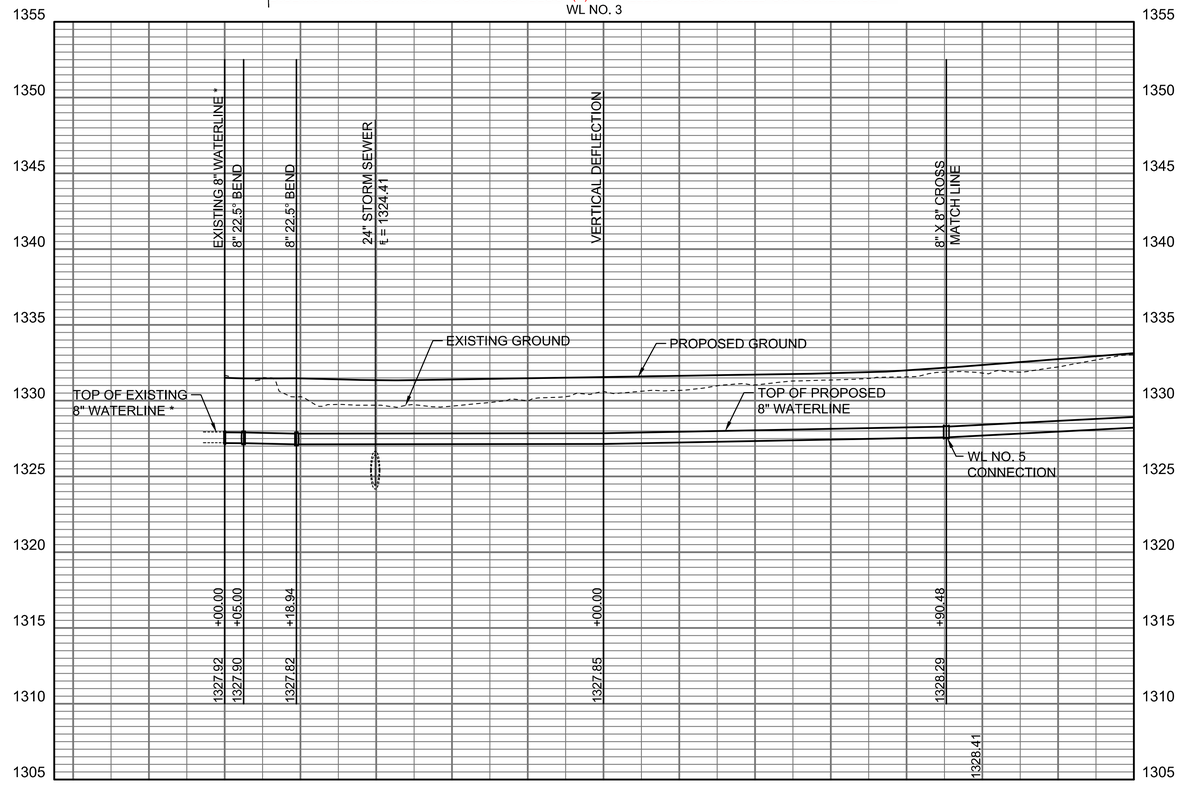
4.79 L.F. 8" DICL PIPE
13.53 L.F. 8" PIPE
80.84 L.F. 8" PIPE
89.98 L.F. 8" PIPE

8" V 56530 (LN)
8" V 56531 (LN)

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

WL NO. 3



REVISED ENTIRE SHEET
1

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WICHITA, KS 67202
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CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 3

CU118R

SAVED 6/3/2025 1:32:26 PM BY CATHY.LINK
PLOTTED 6/3/2025 5:44:56 PM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU118 WATERLINE NO. 3.DWG

N: 1,690,901.4996, E: 1,711,719.3487
STA. 15+59.80, WL NO. 3=
STA. 27+63.13, WL NO. 2=
WATERVIEW DR., STA. 205+85.12, 26' R
12" x 8" TEE
END WL NO. 3

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5

N: 1,690,901.0193, E: 1,711,687.6601
STA. 15+28.11, WL NO. 3=
YORKTOWN RD., STA. 117+15.50, 54' L
FIRE HYDRANT ASSEMBLY
L= 4'
TOP VALVE BOX EL.= 1336.5
FH BURY LINE EL.= 1336.5

N: 1,690,901.3227, E: 1,711,709.5411
STA. 15+49.99, WL NO. 3=
WATERVIEW DR., STA. 205+75.31, 26' R
8" LINE VALVE
(MJ GATE VALVE)
TOP VALVE BOX EL.= 1335.7

N: 1690896.8047, E: 1711409.5799
WL NO. 3, STA. 12+50.00=
WATERVIEW DR., STA. 202+75.31, 26' R
MATCH POINT

PROP. 15" RCP
PROP. 15" RCP
YORKTOWN PARKWAY
YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0'
R/W LINE
CL WATERVIEW DRIVE
PROPOSED PAVEMENT
PROP. 24" RCP
PROP. 18" RCP
R/W LINE
10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)
277.69 L.F. 8" PIPE
21.60 L.F. 8" PIPE
8.94 L.F. 8" DICL PIPE

2+00 12+00 203+00 13+00 204+00 14+00 205+00 15+00 28+00 206+00 117+00

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

WL NO. 3

SEE REVISED SHEET CU119R (FOLLOWING SHEET)

MATCH LINE
EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 8" WATERLINE
PROP. 18" RCP (APPROX. 0.5' -2' LEFT)
FIRE HYDRANT ASSEMBLY
12" X 8" TEE
WL NO. 2 CONNECTION

1328.57 +50.00
1329.31
1330.78
1332.26
1332.67 +28.11
1330.72 +59.80

1355 1350 1345 1340 1335 1330 1325 1320 1315 1310 1305

12+00 13+00 14+00 15+00 16+00

SAVED 1/9/2025 11:49:51 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:42:49 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU119 WATERLINE NO. 3.DWG

APPROVED
GARY LAMZEN, P.E. WICHITA CITY ENGINEER
DATE

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PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309800)

Issue:	
	RED LINE - FIELD SET
	U:\Wichita-Civil\2020\207083\020\Inspect
	08/21/2026 - cjr

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 3

CU119

Reference Point Centerline of Yorktown Parkway & Waterview Dr.

395' WEST AND 38' NORTH TO FIRE HYDRANT (CLOW).

392' WEST AND 38' NORTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 3' EAST OF HYDRANT

391' WEST AND 38' NORTH TO 1- 8"x6" TEE (SIGMA).

391' WEST AND 39' NORTH TO 1- 8" DICL MJ CAP(N)(SIGMA)

WL LINE NO. 5
SEE SHEET NO. CU121

FH 17549
6" V 56526

391' WEST AND 26' SOUTH TO 1- 8"x8" CROSS (SIGMA).

N: 1,690,895.9028, E: 1,711,350.0674
STA. 11+90.48, WL NO. 3=
WATERVIEW DR., STA. 202+15.79, 26' R
8" x 8" CROSS
MATCH POINT

54' WEST AND 22' SOUTH TO FIRE HYDRANT (CLOW).

54' WEST AND 25' SOUTH TO FH VALVE (EJ CO.)
*FIRE HYDRANT VALVE IS 3' SOUTH OF HYDRANT

54' WEST AND 26' SOUTH TO 1- 12"x6" TEE (SIGMA).

N: 1,690,901.0193, E: 1,711,687.6601
STA. 15+28.11, WL NO. 3=
YORKTOWN RD., STA. 117+15.50, 54' L
FIRE HYDRANT ASSEMBLY
L= 4'
TOP VALVE BOX EL.= 1336.5
FH BURY LINE EL.= 1336.5

N: 1,690,901.4996, E: 1,711,719.3487
STA. 15+59.80, WL NO. 3=
STA. 27+63.13, WL NO. 2=
WATERVIEW DR., STA. 205+85.12, 26' R
12" x 8" TEE
END WL NO. 3

22' WEST AND 27' SOUTH TO 1- 12"x8" TEE (SIGMA).

32' WEST AND 26' SOUTH TO 1- 8" VALVE ASSEMBLY (EJ COMPANY).

N: 1,690,901.3227, E: 1,711,709.5411
STA. 15+49.99, WL NO. 3=
WATERVIEW DR., STA. 205+75.31, 26' R
8" LINE VALVE
(MJ GATE VALVE)
TOP VALVE BOX EL.= 1335.7

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 0 5

PROP. 15" RCP

YORKTOWN PARKWAY

YORKTOWN RD., STA. 117+41.50=
WATERVIEW DR., STA. 206+07.12, 0'

RP

WL LINE NO. 2
SEE SHEET NO. CU109

R/W LINE

CL WATERVIEW DRIVE

PROPOSED PAVEMENT

202+00 203+00 204+00 205+00 206+00 28+00 116+00 117+00

TS

10+00 12+00 13+00 14+00 15+00

6'

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

391' WEST AND 22' SOUTH TO 1- 8" VALVE ASSEMBLY (EJ COMPANY), (N).

391' WEST AND 30' SOUTH TO 1- 8" ANCHORED VALVE ASSEMBLY (EJ COMPANY), (S).

391' WEST AND 33' SOUTH TO 1- 8" CAP.

8" V 56530 (LN)
8" V 56531 (LN)

336.71 L.F. 8" PIPE

FH 17547
6" V 56524

21.60 L.F. 8" PIPE

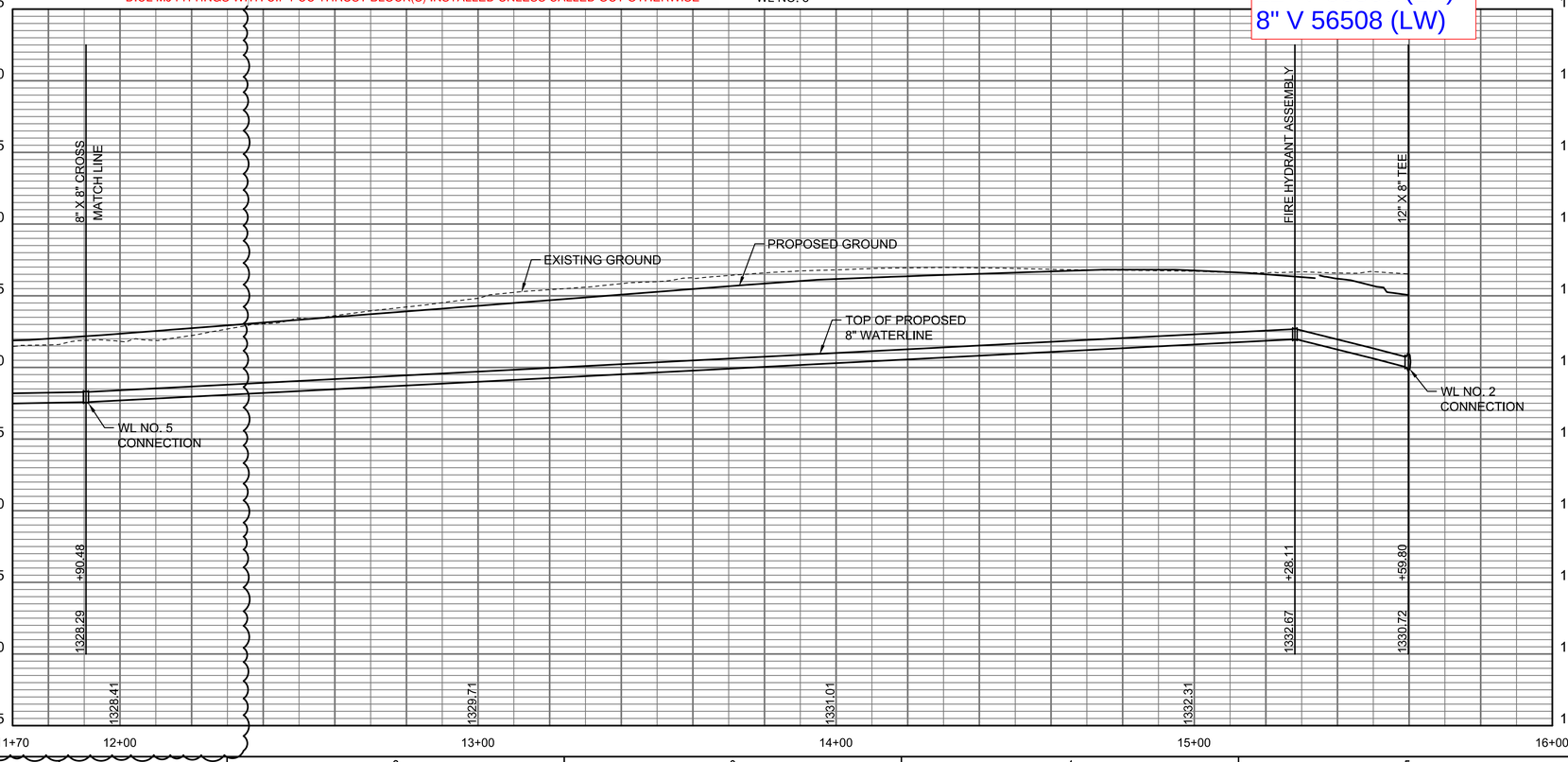
8.94 L.F. 8" DICL PIPE

12" V 56506 (LS)
12" V 56507 (LN)
8" V 56508 (LW)

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 3



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WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	RED LINE - FIELD SET	
	U:\Wichita-Civil\2020\207083\020\Inspect	
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 3

CU119R

SAVED 6/3/2025 1:33:00 PM BY CATHY.LINK
PLOTTED 6/3/2025 5:48:21 PM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU119 WATERLINE NO. 3.DWG

8" V 56532 (LW)

Reference Point Centerline of Yorktown Parkway & Woodstone Dr.

N: 1,691,999.1525, E: 1,711,431.0558
STA. 13+22.42, WL NO. 4=
WOODSTONE DR., STA. 304+44.28, 27' L
8" LINE VALVE
(MJ GATE VALVE)
TOP VALVE BOX EL.= 1335.2

31' WEST AND 27' NORTH TO 1- 8" VALVE ASSEMBLY (EJ COMPANY).

FH 17548
6" V 56527

N: 1,691,854.7364, E: 1,711,154.9930
STA. 10+00.00, WL NO. 4=
WOODSTONE DR., STA. 301+00.48, 27' L
EXISTING 8" WATERLINE*
BEGIN WL NO. 4
PC CURVE
REMOVE EXISTING 2" BLOWOFF ASSEMBLY
AND CONNECT NEW PIPE.

41' WEST AND 24' NORTH TO FIRE HYDRANT (CLOW).

41' WEST AND 27' NORTH TO FH VALVE (EJ CO)
*FIRE HYDRANT VALVE IS 3' NORTH OF HYDRANT

41' WEST AND 28' NORTH TO 1- 12"x6" DICL MJ TEE (SIGMA).

N: 1,691,992.3354, E: 1,711,424.4840
STA. 13+12.95, WL NO. 4=
WOODSTONE DR., STA. 304+34.82, 27' L
FIRE HYDRANT ASSEMBLY
L = 4'
TOP VALVE BOX EL.= 1335.4
FH BURY LINE EL.= 1335.4

N: 1,692,006.2831, E: 1,711,438.0158
STA. 13+32.39, WL NO. 4=
STA. 39+58.15, WL NO. 2=
WOODSTONE DR., STA. 304+54.25, 27' L
12" x 8" TEE
END WL NO. 4

22' WEST AND 27' NORTH TO 1- 12"x8" TEE (SIGMA).

N: 1,691,952.8165, E: 1,711,386.1435
STA. 12+57.89, WL NO. 4=
WOODSTONE DR., STA. 303+79.75, 27' L
PT CURVE

YORKTOWN RD., STA. 129+00.80=
WOODSTONE DR., STA. 304+76.25, 0'

10' TEMPORARY CONSTRUCTION EASEMENT
(BY SEPARATE INSTRUMENT)

NOMINAL RADIUS= 323.00'

R/W LINE

SECTION LINE

RP

CL WOODSTONE DRIVE

PROPOSED PAVEMENT

YORKTOWN PARKWAY

257.87 L.F. 8" PIPE

54.67 L.F. 8" PIPE

9.03 L.F. 8" DICL PIPE

9.25 L.F. 8" DI CL PIPE

36" RCP SWS

CRESCENT LAKES ADDITION
RESERVE D

ASPHALT ROAD

CONC. SIDEWALK

TREE ROW

BASEBALL FIELD

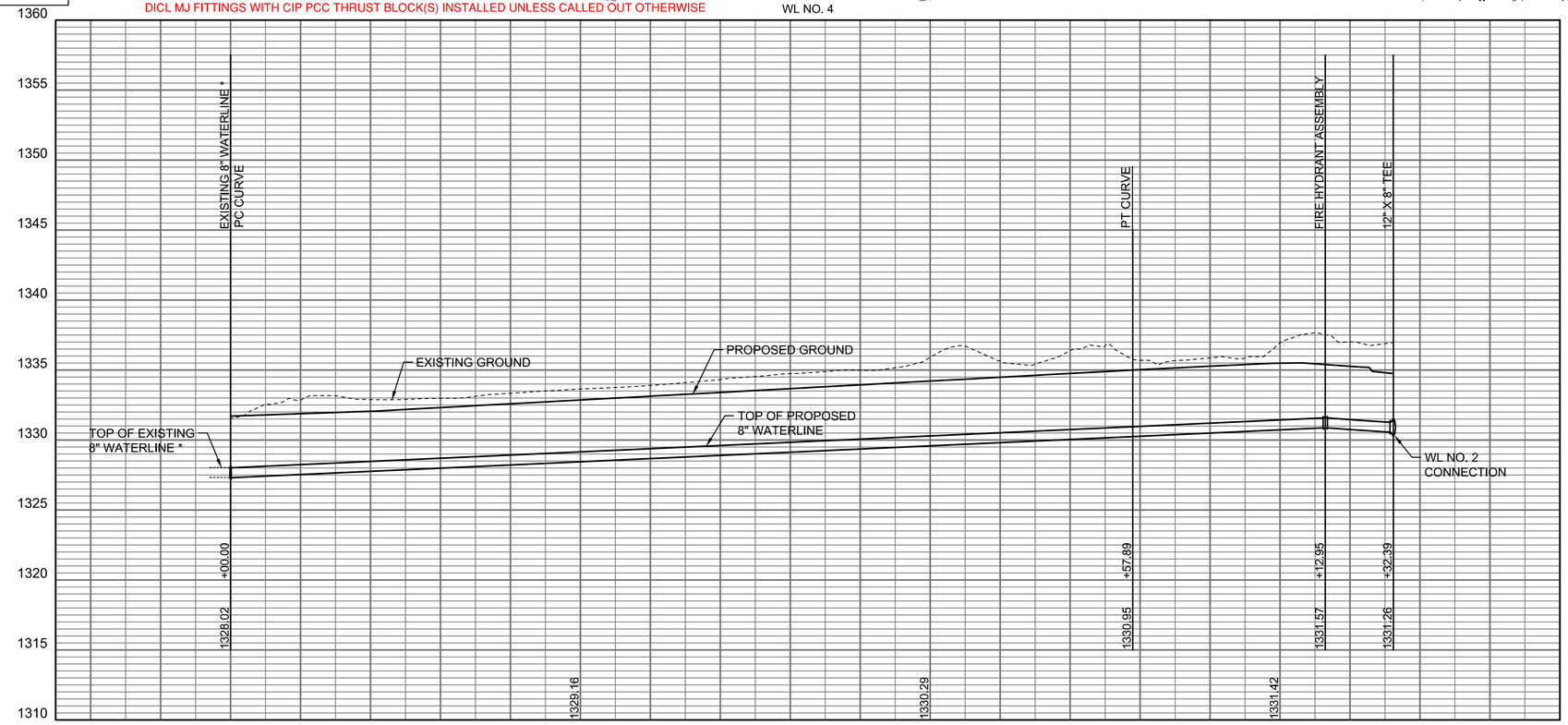
* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINE AT WL NO. 4, STA. 10+00.00 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT:

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 4



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CITY OF WICHITA

GAGE SCHER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM
ALONG
YORKTOWN PARKWAY AND COMMERCE STREET
ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309B0)

Issue:	
RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect	
08/21/2026 - cjr	
JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

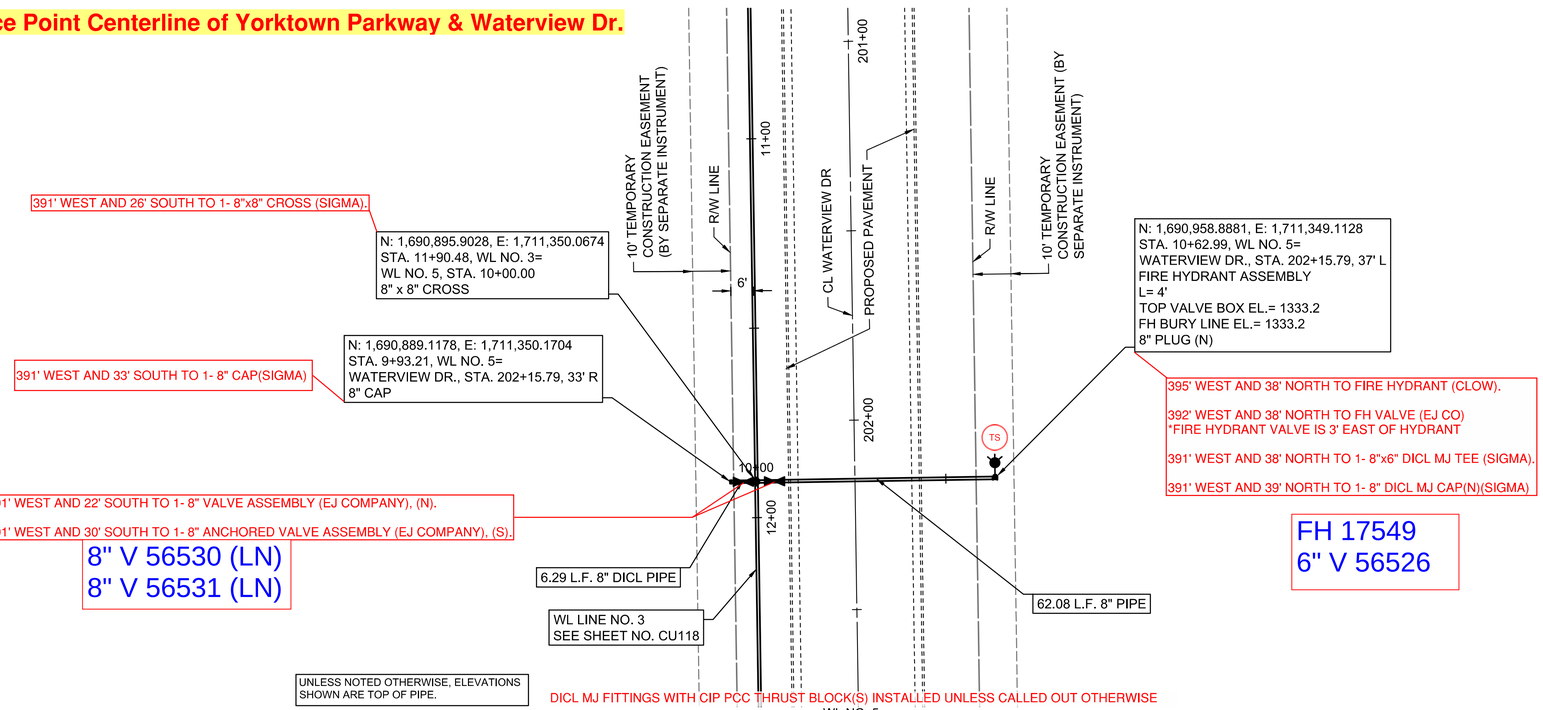
WATERLINE NO. 4

CU120

SAVED 1/31/2025 9:48:51 AM BY CATHY.LINK
PLOTTED 1/31/2025 9:49:11 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU120 WATERLINE NO. 4.DWG

GARY REBENSTORF, P.E. WICHITA CITY ENGINEER

Reference Point Centerline of Yorktown Parkway & Waterview Dr.



PLAN: LAT. & LONG. 0 10' 20' 40'

PROFILE: HORIZ. SAME AS ABOVE

VERT: 5 0

ADDED NEW SHEET 1

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG

YORKTOWN PARKWAY AND COMMERCE STREET

ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	08/21/2026 - cjr	

JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 5

CU121

SAVED 6/3/2025 2:00:13 PM BY CATHY.LINK
PLOTTED 6/3/2025 5:45:40 PM BY CATHY.LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU121 WATERLINE NO. 5.DWG

Reference Point Centerline of Waterview Dr. & Yorktown Parkway

PLAN: LAT. & LONG. 0 10' 20' 40'
PROFILE: HORIZ. SAME AS ABOVE
VERT: 5 0

10' TEMPORARY CONSTRUCTION EASEME (BY SEPARATE INSTRUMENT)
PROP. 10' SIDEWALK
34+00
124+00
CL YORKTOWN PARKWAY
PROPOSED PAVEMENT
PROP. 15" RCP
CAUTION !!! PROP. 15" RCP STORM WATER SEWER
CAUTION !!! PROPOSED FIBER OPTIC
N: 1,691,483.7934, E: 1,711,772.5456
STA. 10+62.00, WL NO. 6=
YORKTOWN RD., STA. 122+96.92, 40' R
BLOW OFF ASSEMBLY
556' NORTH AND 40' EAST TO 1- 8" DICL MJ CAP (SIGMA) (THREADED).
558' NORTH AND 41' EAST TO 1- 2" BLOWOFF ASSEMBLY (CLOW).
N: 1,691,483.2293, E: 1,711,710.5501
STA. 10+00.00, WL NO. 6=
STA. 33+44.93, WL NO. 2,
12" x 8" TEE
557' NORTH AND 22' WEST TO 1-12"x8" TEE (SIGMA).
10+00
133+00
TS
2" BO 56536
8" V 56535
WL LINE NO. 2
SEE SHEET NO. CU110
557' NORTH AND 17' WEST TO 1- 8" VALVE ASSEMBLY (EJ COMPANY), (SE).
R/W LINE
33+00
PROP. 15" RCP
PROP. 15" RCP
R/W LINE
60.85 L.F. 8" PIPE

N: 1,690,277.7492, E: 1,711,440.2634
STA. 10+00.00, WL NO. 7=
STA. 20+47.67, WL NO. 2,
12" x 8" TEE
758' SOUTH AND 22' WEST TO 1-12"x8" TEE (SIGMA).
PROP. 10' SIDEWALK
10' SIDEWALK EASEMENT
R/W LINE
21+00
CL YORKTOWN PARKWAY
110+00
PROPOSED PAVEMENT
CAUTION !!! PROPOSED FIBER OPTIC
CAUTION !!! PROP. 24" RCP STORM WATER SEWER
N: 1,690,234.5818, E: 1,711,484.7566
STA. 10+61.99, WL NO. 7=
YORKTOWN RD., STA. 109+82.76, 40' R
BLOW OFF ASSEMBLY
756' SOUTH AND 40' EAST TO 1- 8" DICL CAP (2" TAPPED)(SIGMA).
757' SOUTH AND 41' EAST TO 1- 2" VALVE(CLOW) & BLOWOFF.
10+00
TS
2" BO 56538
6'
WL LINE NO. 2
SEE SHEET NO. CU107
758' SOUTH AND 20' WEST TO 1-8" VALVE ASSEMBLY (EJ COMPANY), (SE).
8" V 56537
20+00
PROP. 24" RCP
R/W LINE
60.85 L.F. 8" PIPE

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 6

12" X 8" TEE
15" STORM SEWER = 1333.44
BLOW OFF ASSEMBLY
EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 8" WATERLINE
WL NO. 2 CONNECTION
+00.00
+62.00
1333.89
1332.53
10+00
11+00

DICL MJ FITTINGS WITH CIP PCC THRUST BLOCK(S) INSTALLED UNLESS CALLED OUT OTHERWISE

WL NO. 7

12" X 8" TEE
24" STORM SEWER = 1317.14
BLOW OFF ASSEMBLY
EXISTING GROUND
PROPOSED GROUND
TOP OF PROPOSED 8" WATERLINE
WL NO. 2 CONNECTION
+00.00
+61.99
1319.61
1321.21
10+00
11+00

ADDED NEW SHEET
1

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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

GARY JANZEN, P.E. WICHITA CITY ENGINEER
PROJECT NUMBER 2024-029657 PPW (54030980)

Issue:		
1	REVISION	6/03/25
	08/21/2026 - cjr	

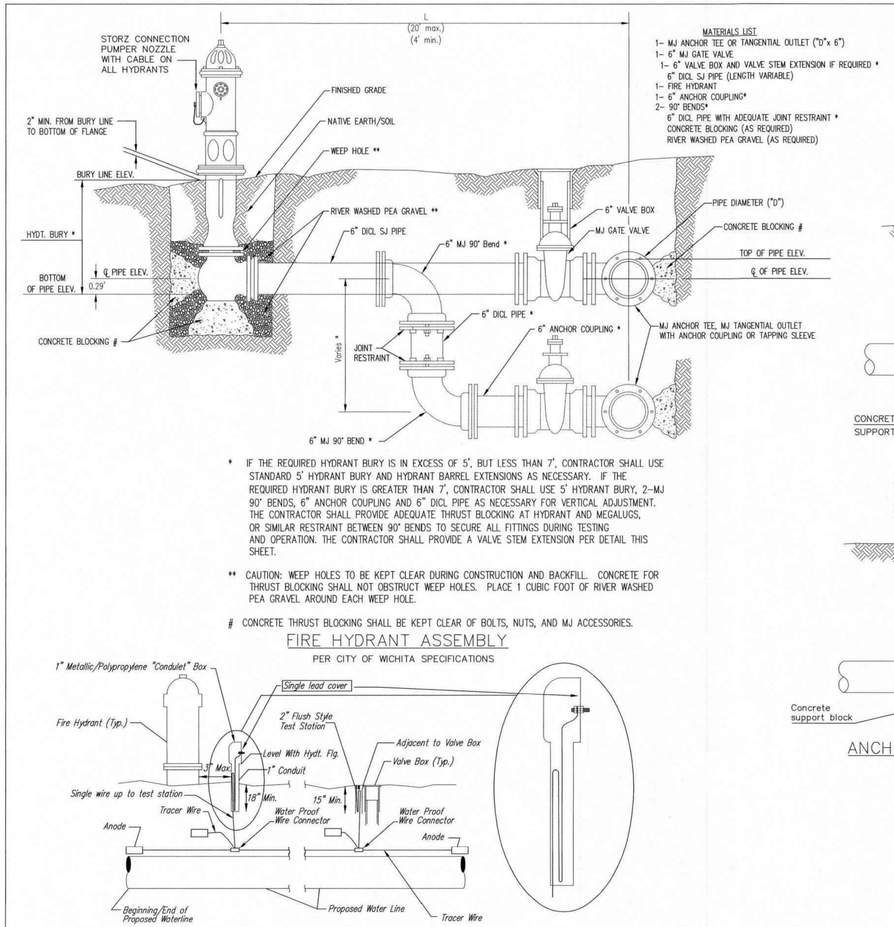
JOB NO.	207083-020
DATE	OCTOBER 2024
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

WATERLINE NO. 6 AND NO. 7

CU122

SAVED 7/16/2025 1:56:33 PM BY CATHY.LINK
PLOTTED 7/16/2025 2:59:43 PM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU122 WATERLINE NO.6 AND 7.DWG

FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
WL 1, 14+13.12	1338.0	1333.84	5.0'	
WL 1, 18+16.11	1335.2	1331.04	5.0'	
WL 2, 14+32.50	1316.8	1312.64	5.0'	
WL 2, 18+79.79	1319.7	1315.54	5.0'	
WL 2, 22+29.49	1326.7	1322.54	5.0'	
WL 2, 30+58.52	1338.2	1334.04	5.0'	
WL 2, 34+58.50	1338.2	1334.04	5.0'	
WL 2, 42+37.52	1334.8	1330.64	5.0'	
WL 2, 46+63.18	1336.1	1331.94	5.0'	
WL 2, 50+63.20	1337.0	1332.84	5.0'	
WL 2, 54+70.90	1337.5	1333.34	5.0'	
WL 2, 58+72.90	1338.6	1334.44	5.0'	
WL 2, 61+70.69	1338.9	1334.74	5.0'	
WL 3, 15+28.11	1336.5	1332.67	4.5'	
WL 4, 13+12.95	1335.4	1331.57	4.5'	
WL 5, 10+62.99	1333.2	1328.43	5.0'	



* 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

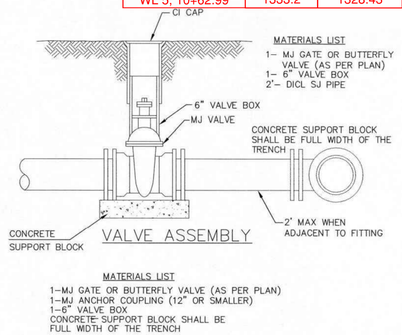
*The test station for fire hydrant application shall be a 1" "conduiet" style station as manufactured by AGRA Industries with a removable solid cover having a single lead extending from the face or approved equal. The "conduit" style test station shall be attached to a 1" rigid galvanized conduit with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

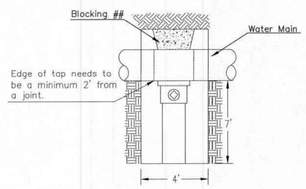
The anodes shall be 3 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to 12 AWG CCS which shall be extended to the test station.

TRACER WIRE DETAIL

COST IS SUBSIDIARY TO PIPE INSTALLATION

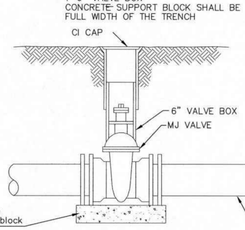


VALVE ASSEMBLY



CITY TAP

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

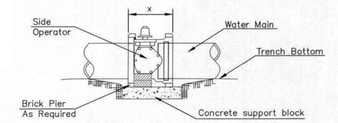


ANCHORED VALVE ASSEMBLY



PROTECTIVE FILL DETAIL

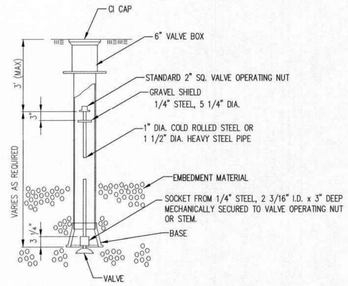
MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN 3'. (COST SUBSIDIARY TO PIPE INSTALLATION)



NOTES

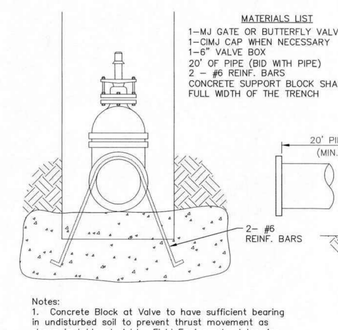
1. This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
2. 6" Valve Box and Cover required per City of Wichita Std. Specifications.
3. Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION



VALVE STEM EXTENSION DETAIL

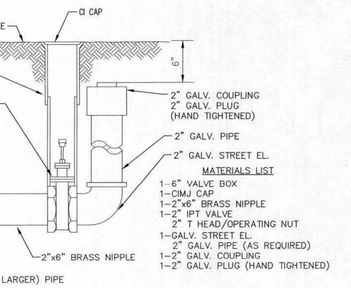
NOTE: ONE VALVE STEM EXTENSION FOR EACH VALVE BURIED GREATER THAN 5'.



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



2" BLOWOFF ASSEMBLY

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

REVISED: OCTOBER 2016

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

WL-101

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PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

WATER DISTRIBUTION SYSTEM ALONG YORKTOWN PARKWAY AND COMMERCE STREET ANDOVER, KANSAS

PROJECT NUMBER 2024-029657 PPW (540309800)

Issue:		
	RED LINE - FIELD SET	
U:\Wichita-Civil\2020\207083\020\Inspect		
	08/21/2026 - cjr	

JOB NO.	
DATE	
PM	GAS
DESIGNED BY	GAS
DRAWN BY	AJH
CHECKED BY	TBK

STANDARD WATER ASSEMBLY DETAIL

CU501

SAVED 1/9/2025 4:55:43 PM BY CATHY.LINK
PLOTTED 1/31/2025 9:43:20 AM BY CATHY LINK
U:\WICHITA-CIVIL\2020\207083\020\PEC\DRAWINGS\WATERLINE\207083-020-CU501-STANDARD WATER SERVICE DETAIL.DWG

GARY JANZEN, P.E. WICHITA CITY ENGINEER