

WATER DISTRIBUTION SYSTEM to serve ADVANCED ORTHOPAEDIC ASSOCIATION LOT 1, BLOCK A, KANSAS SURGERY AND RECOVERY CENTER 2ND ADDITION CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number
2022-009795 PPW (54030980)

GENERAL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:

KANSAS ONE-CALL 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

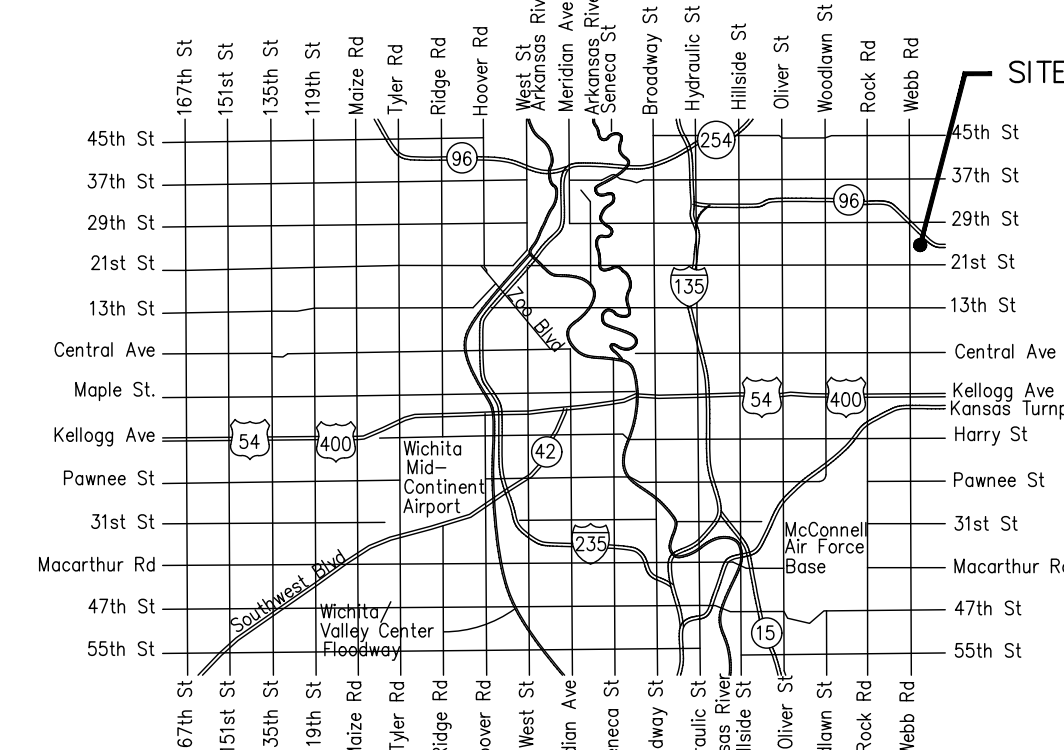
AT&T 1-800-246-8464
BLACK HILLS ENERGY 1-800-694-8989
CITY OF WICHITA WATER & SEWER 1-316-219-8921
CITY OF WICHITA STORMWATER 1-316-268-4090
CITY OF WICHITA TRAFFIC 1-316-268-4034
COX COMMUNICATIONS 1-888-249-3530
KANSAS GAS SERVICE 1-888-482-4950
EVERGY 1-800-544-4857
- UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, IN THE OPINION OF THE ENGINEER, THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL, EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE CITY ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- THE ENGINEERING DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND DAWNITA REINHARDT AT 316-650-0740 WITH THE CITY OF WICHITA WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF PROJECT COMPLETION. STAKING AND INSPECTION FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, 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.
- ALL ELEVATIONS SHOWN ARE NAVD 88.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
- ANY SIDEWALK, DRIVE APPROACH, CURB, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY THE CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316-268-4501 OR 316-268-4480.
- ALL APPLICABLE FEES (TAP, EQUITY, IN LIEU OF & MAIN BENEFIT) MUST BE PAID BEFORE ANY CONNECTIONS CAN BE MADE ON THIS PROJECT. QUOTES CAN BE OBTAINED ON FEES BY CALLING 316-268-4555.
- CITY MAINTENANCE OF WATER MAINS ENDS AT RIGHT-OF-WAY OR EASEMENT LINE OR WITHIN TWO FEET OF VAULT.
- OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101, COST IS SUBSIDIARY TO PIPE INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINES SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
- REQUESTS FOR SHORT TERM WATER INTERRUPTIONS SHALL BE MADE TO THE CITY WATER DISTRIBUTION DIVISION AND WILL BE SUBJECT TO THEIR APPROVAL. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ANY PROPERTY OWNER, BUSINESS, AND/OR TENANTS THAT WILL HAVE WATER SERVICE INTERRUPTED AT LEAST 5 DAYS IN ADVANCE. SUCH NOTIFICATIONS SHOULD INDICATE THE TIME AND DATE THAT THE WATER WILL BE TURNED OFF AND WHEN THE SERVICE WILL BE RESTORED. NO BUSINESS, PROPERTY OWNER, AND/OR TENANTS SHALL BE WITHOUT WATER SERVICE FOR MORE THAN 8 HOURS. PROPOSED TIE IN LOCATIONS WHICH WILL AFFECT WATER SERVICE TO PROPERTY OWNERS SHALL BE PREFORMED DURING NON-PEAK HOURS.
- THE CONTRACTOR MUST SCHEDULE THE CONNECTIONS TO THE EXISTING MAIN WITH THE CITY SUCH THAT THERE IS A MINIMUM DISRUPTION OF SERVICE. CONNECTIONS SHALL BE MADE DURING PERIODS OF LOW WATER USAGE. THE CONTRACTOR SHALL SUBMIT HIS PROPOSED SCHEDULE FOR COMPLETING WORK FOR CITY APPROVAL AT LEAST 10 DAYS PRIOR TO BEGINNING CONSTRUCTION.
- DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURERS RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE FITTINGS.
- ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.
- VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE CITY WATER DISTRIBUTION DIVISION. 48 HOURS ADVANCE NOTICE IS REQUIRED WITH THE WATER DISPATCH AT 316-291-8921.
- ALL WET TAPS SHALL BE INSTALLED BY THE CITY OF WICHITA. THE CONTRACTOR WILL REIMBURSE THE CITY FOR TAPPING FEES PRIOR TO TAP BEING MADE. UNLESS NOTED ON PLANS.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- WICHITA FIRE DEPARTMENT INSPECTIONS MAY BE SCHEDULED BY CALLING 316-650-0740.
- 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.
- 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.

LOCATION OF WATER LINE FITTINGS AND VALVES AS PART OF PRIVATE WATER DIST. SYSTEM MEASURED FROM CENTER OF INTERSECTION AT WEBB RD. AND SHANNON WOODS ST.

WATERLINE 1
TAPPING SLEEVE & VALVE STA 10+00 588' N. 713' E.
FIRE HYDRANT ASSY STA 11+45.00 588' N. 858' E. 4' S (145' E OF TAPPING SLEEVE & VALVE)
ANCHORED TEE. FTG. STA 12+55.67 588' N. 968' E. (110' EAST OF FIRE HYDRANT ASSY)
45 DEG FITTING STA 12+94.38 588' N. 1004' E. (36' EAST OF ANCHORED TEE/GATE VALVE)
SLEEVE STA 15+72.17 588' N. 1004' E. 278' ESE (36' E 278' ESE OF ANCHORED TEE/GATE VALVE)
CONNECT TO EXISTING WATERLINE

WATERLINE 2
GATE VALVE STA 12+55.67 WL LINE 1 588' N. 968' E.
STA 10+0000 WL LINE 2 1' S
HIGH DEFLECTION COUPLER STA 12+55.67 WL LINE 1 588' N. 968' E.
STA 10+0000 WL LINE 2 30.0' S
45 DEG FITTING STA 12+55.67 WL LINE 1 588' N. 968' E.
STA 10+00.00 WL LINE 2 30.0' S
90 DEG FITTING & RISER STA 12+55.67 WL LINE 1 588' N. 968' E.
STA 10+00.00 WL LINE 2 30.0' S 7.8' SE

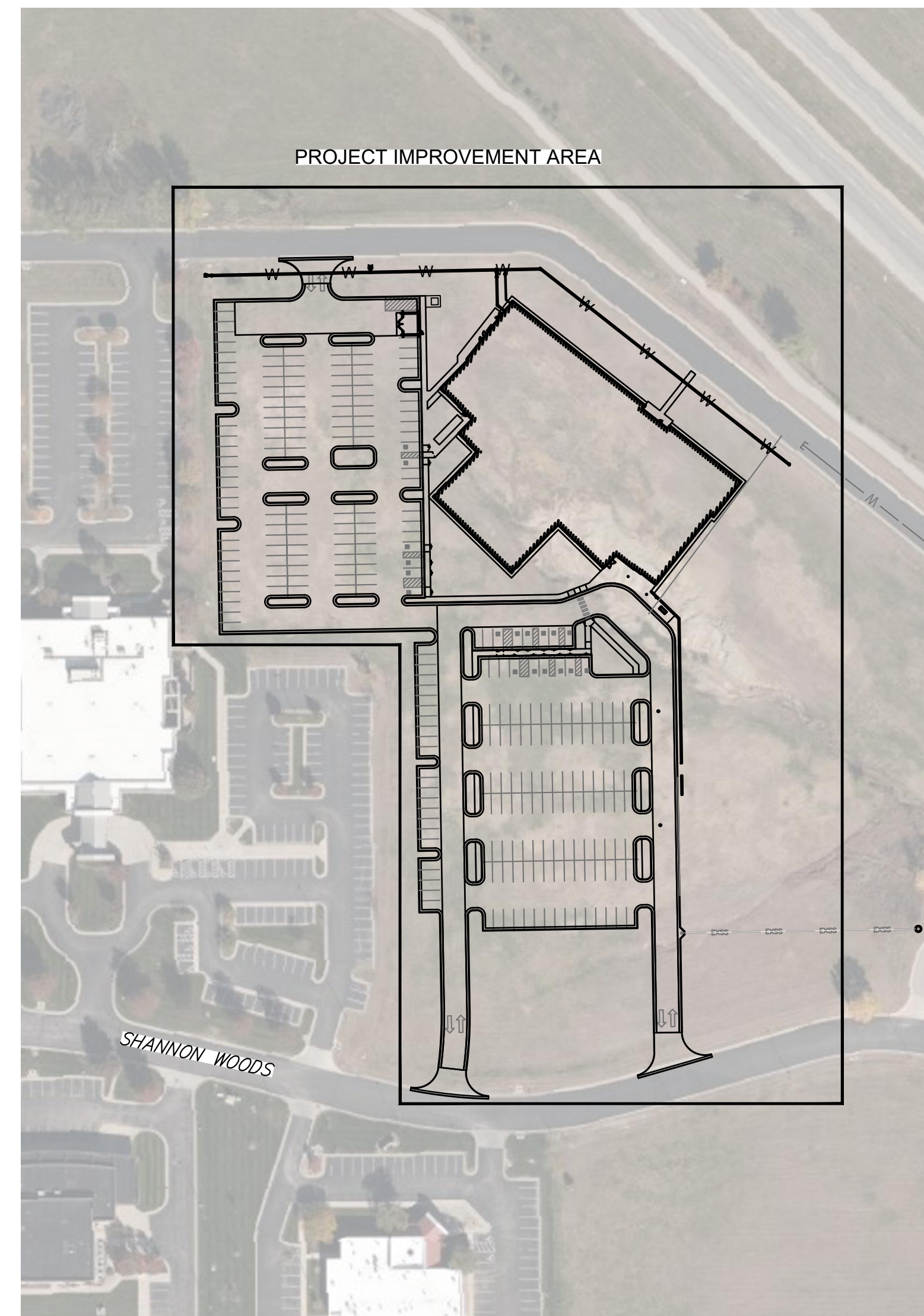
AS BUILT PLANS
CONTRACTOR: MIES CONSTRUCTION
SUPERINTENDENT: BRAD REICHENBERGER
FOREMEN: BILL BUDD/DAVE KOCH
CLIENT: CITY OF WICHITA
INSPECTOR: ROSS POWERS
INSPECTION FIRM: SCHWAB-EATON, PA.
PDF BY: RJP 01/11/2023



Vicinity Map

SHEET INDEX

SHEET NUMBER	SHEET NAME
CU201	PPW COVER SHEET
CU202	PPW KEY MAP AND BUBBLE MAP
CU203	WL LINE NO. 1
CU204	WL LINE NO. 2
CU223	STANDARD WATER ASSEMBLY DETAIL
CU224	MISCELLANEOUS WATER DETAILS
CU225	EROSION CONTROL DETAILS
CU226	EROSION CONTROL DETAILS
CU227	EROSION CONTROL DETAILS
CU228	EROSION CONTROL DETAILS
CU229	EROSION CONTROL DETAILS
CU601	COPY OF PLAT
F1.11	FIRE PROTECTION HAZARD PLAN - FIRST FLOOR
F1.12	FIRE PROTECTION HAZARD PLAN - SECOND FLOOR



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

Engineering SHAWN MELLIES - JUNE 15, 2022
Utilities GREG LOLLEY - JUNE 15, 2022
Fire Dept. JOSE OCADIZ - JUNE 15, 2022

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

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



BOULDER ASSOCIATES
1426 PEARL STREET, SUITE 300
BOULDER, COLORADO 80302
303.499.7795



PROJECT 214949.00

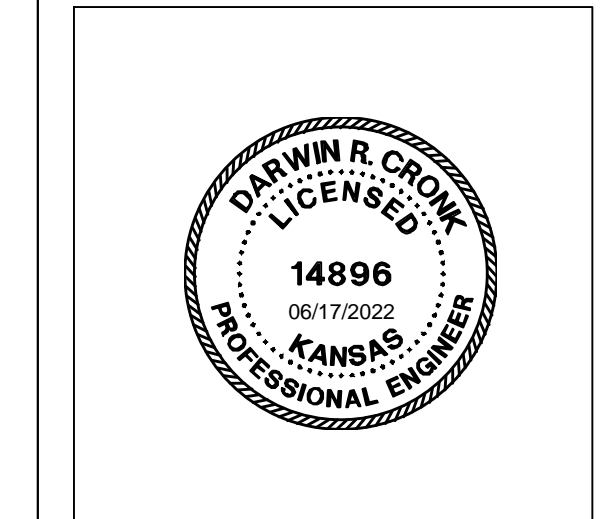
ADVANCED ORTHOPAEDIC ASSOCIATES MOB

SHANNON WOODS WICHITA, KS 67226

PERMIT SET

DATE 5/3/22

REVISIONS	DESCRIPTION	DATE
1		

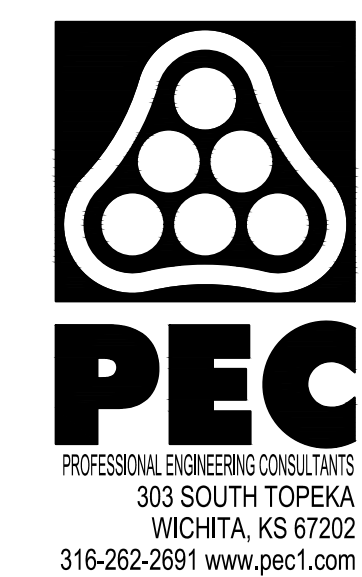


SHEET TITLE

PPW COVER SHEET

SHEET NUMBER

CU201

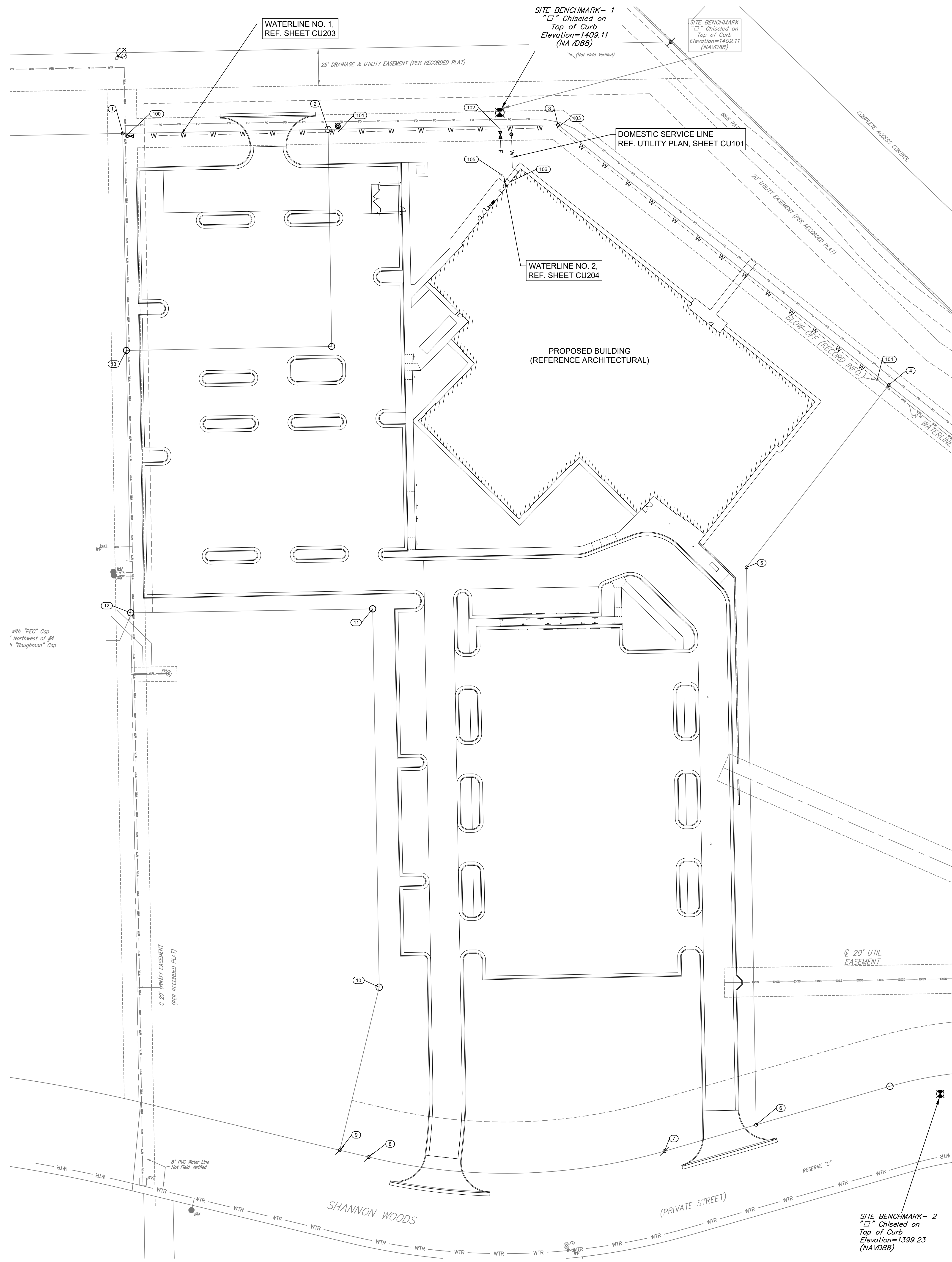


PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2891 www.pec1.com

JUNE 2022

SAVED: 6/16/2022 4:47:57 PM BY: DUSTIN BILLINGSLEY
 PLOTTED: 6/17/2022 10:17:58 AM BY: DUSTIN BILLINGSLEY
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 @BOULDER ASSOCIATES

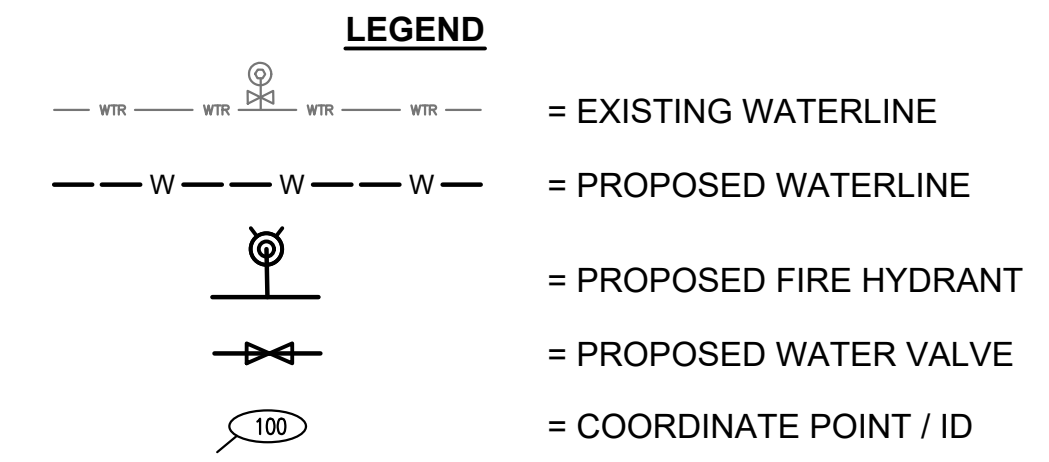
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 DRAWN BY: DUSTIN BILLINGSLEY
 CHECKED BY: DUSTIN BILLINGSLEY
 DATE: 05/17/2022
 PROJECT: 2022-009795 PPW KEY MAP & BUBBLE MAP.DWG



HORIZONTAL / VERTICAL CONTROL

SITE BENCHMARK - 1
 "C" CHISELED ON TOP OF CURB
 ELEVATION=1409.11 (NAVD88)

SITE BENCHMARK - 2
 "C" CHISELED ON TOP OF CURB
 ELEVATION=1399.23 (NAVD88)



WATERLINE COORDINATE LIST

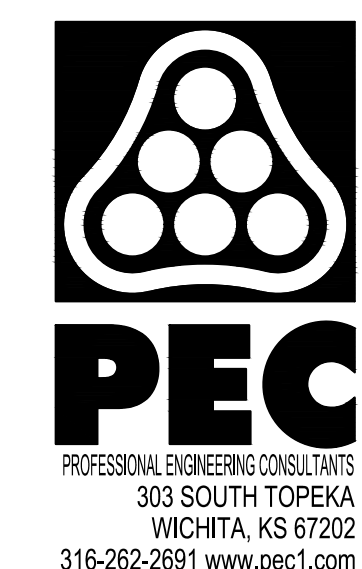
FITTING TABLE					
ID	ALIGNMENT	STATION	COORDINATES	DESCRIPTION	ELEV.
100	WL LINE NO. 1	10+00.0	N: 1,703,432.3574 E: 1,681,397.1309	8" X 8" TEE	1405.88
101	WL LINE NO. 1	11+45.0	N: 1,703,435.2081 E: 1,681,542.1028	FIRE HYDRANT ASSEMBLY	1405.06
103	WL LINE NO. 1	12+94.4	N: 1,703,438.1450 E: 1,681,691.4533	8" 45° BEND	1402.14
104	WL LINE NO. 1	15+72.2	N: 1,703,266.4013 E: 1,681,909.7956	EXISTING BLOWOFF VALVE	1397.06
102	WL LINE NO. 1	12+55.7	N: 1,703,437.3840 E: 1,681,652.7538	8" X 6" TEE	1402.82
105	WL LINE NO. 2	10+31.0	N: 1,703,406.3458 E: 1,681,653.4049	6" 45° BEND	1399.61

PROPERTY CORNERS

COORDINATE LIST		
POINT	NORTHING	EASTING
1	1,703,434.3228	1,681,395.3532
2	1,703,437.0753	1,681,535.3268
3	1,703,440.1587	1,681,692.1283
4	1,703,262.7619	1,681,917.6574
5	1,703,138.5462	1,681,820.6640
6	1,702,758.5229	1,681,827.2493
7	1,702,740.5375	1,681,764.7542
8	1,702,736.5572	1,681,562.9993
9	1,702,741.1794	1,681,543.3534
10	1,702,852.2540	1,681,570.1867
11	1,703,110.2061	1,681,565.7723
12	1,703,107.4983	1,681,400.8012
13	1,703,286.3427	1,681,397.8200

SUMMARY TABLE			
ITEM	TYPE	MANUFACTURER	QTY
8"x8" TAP ASSY	PROVIDED & INSTALLED BY CITY OF WICHITA		1 EA
6" GATE VALVE	MJ	MUELLER	1 EA
8" GATE VALVE	MJ	MUELLER	1 EA
6" PVC	C300 DR18	NORTHERN PIPE PRODUCTS	31 LF
8" PVC	C300 DR18	NORTHERN PIPE PRODUCTS	425 LF
6" 45 DEGREE BEND	DICL MJ	NORTH AMERICAN	1 EA
6" 90 DEGREE BEND	DICL MJ	NORTH AMERICAN	1 EA
8" ANCHORED	DICL ML	NORTH AMERICAN	1 EA
6" DICL PIPE	ANSI/AWWA (C151)	AMERICAN FASTITE	8 LF
MEGALUGS	ANSI/AWWA (C153)	SIP INDUSTRIES	3 EA
FIRE HYDRANT	3-WAY FIRE HYDRANT	MUELLER	1 EA

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BOULDER ASSOCIATES
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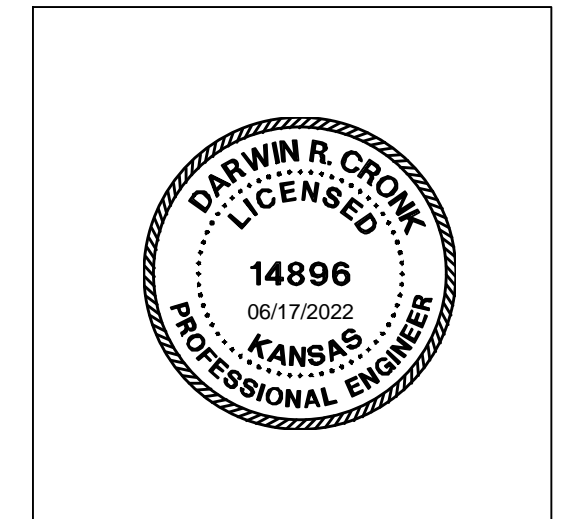
PROJECT 214949.00

ADVANCED
 ORTHOPAEDIC
 ASSOCIATES
 MOB

SHANNON WOODS
 WICHITA, KS 67226

PERMIT SET

DATE	DESCRIPTION	DATE
5/3/22		



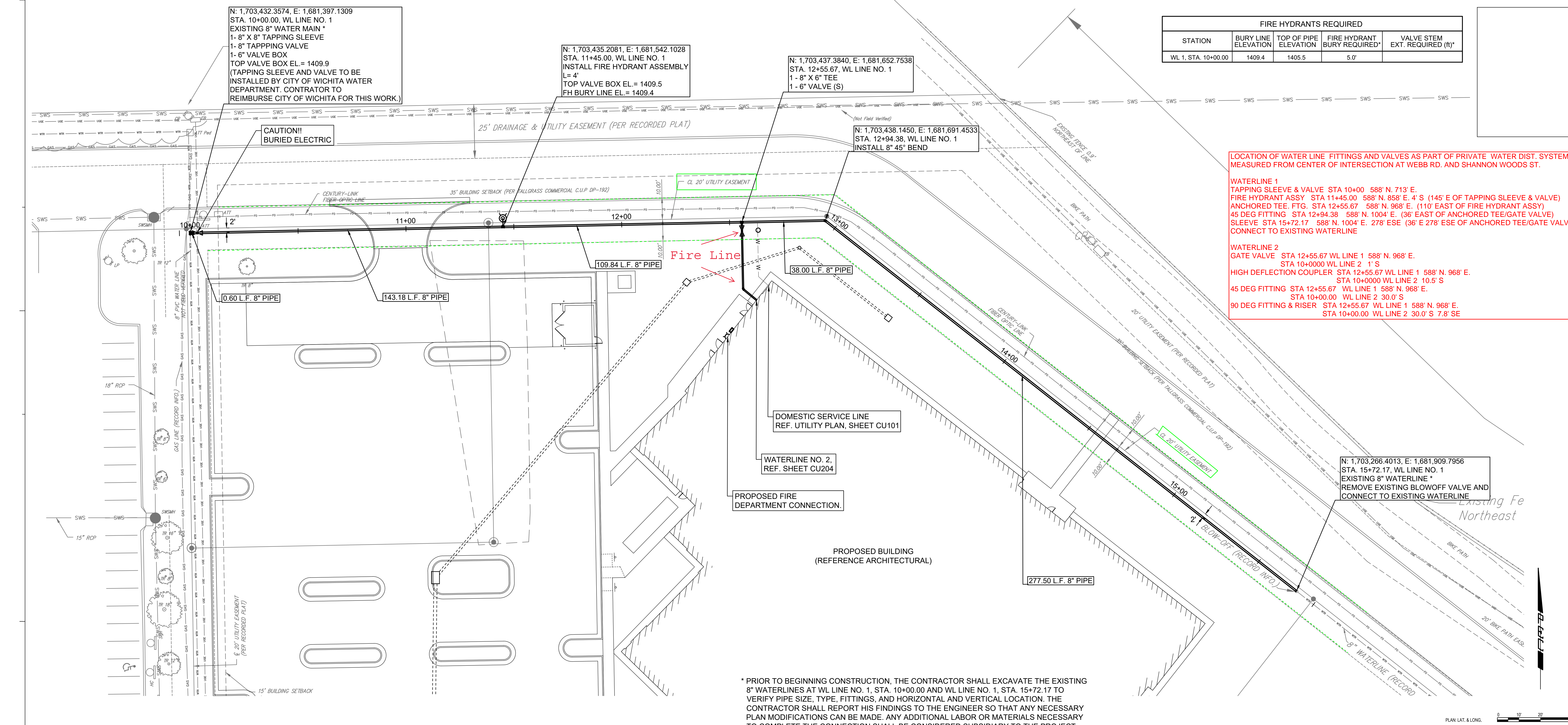
SHEET TITLE

PPW KEY MAP
 AND BUBBLE MAP

SHEET NUMBER

CU202

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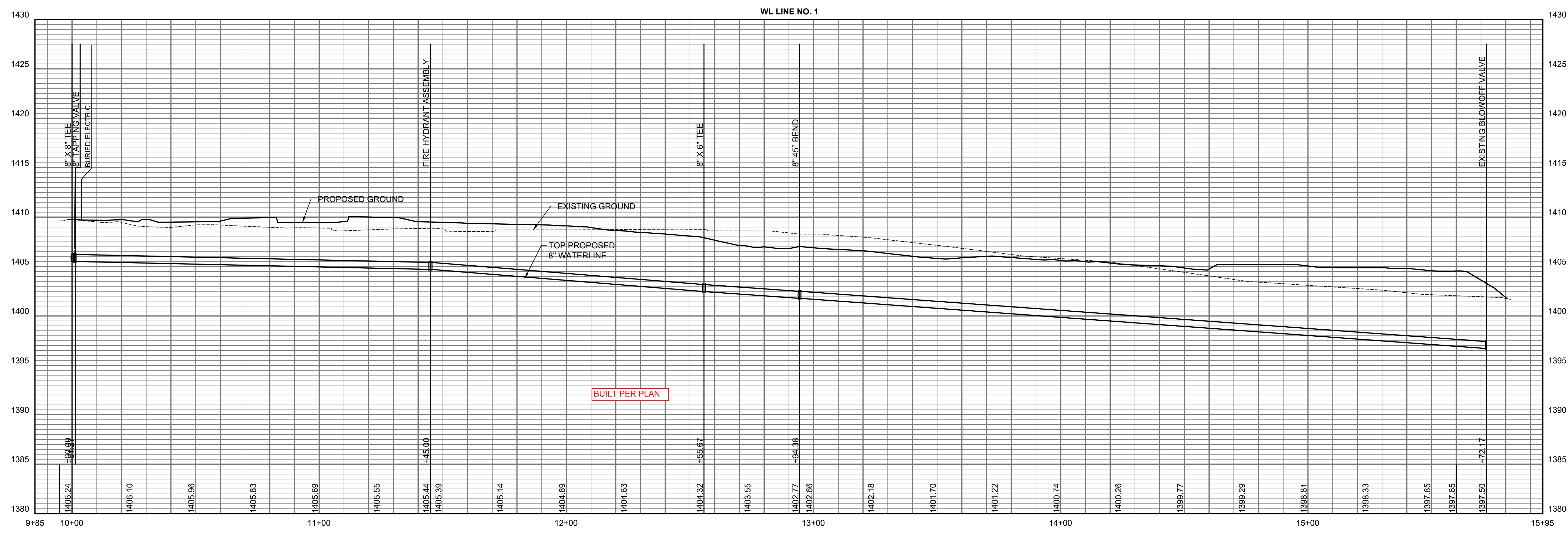
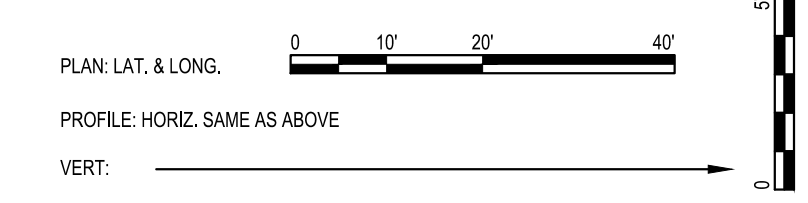
FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
WL 1, STA. 10+00.00	1409.4	1405.5	5.0'	

LOCATION OF WATER LINE FITTINGS AND VALVES AS PART OF PRIVATE WATER DIST. SYSTEM MEASURED FROM CENTER OF INTERSECTION AT WEBB RD. AND SHANNON WOODS ST.

WATERLINE 1
 TAPPING SLEEVE & VALVE STA 10+00 588' N. 713' E.
 FIRE HYDRANT ASSY STA 11+45.00 588' N. 858' E. 4' S (145' E OF TAPPING SLEEVE & VALVE)
 ANCHORED TEE. FTG. STA 12+55.67 588' N. 968' E. (110' EAST OF FIRE HYDRANT ASSY)
 45 DEG FITTING STA 12+94.38 588' N. 1004' E. (36' EAST OF ANCHORED TEE/GATE VALVE)
 SLEEVE STA 15+72.17 588' N. 1004' E. 278' ESE (36' E 278' ESE OF ANCHORED TEE/GATE VALVE)
 CONNECT TO EXISTING WATERLINE

WATERLINE 2
 GATE VALVE STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+0000 WL LINE 2 1' S
 HIGH DEFLECTION COUPLER STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+0000 WL LINE 2 10.5' S
 45 DEG FITTING STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+00.00 WL LINE 2 30.0' S
 90 DEG FITTING & RISER STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+00.00 WL LINE 2 30.0' S 7.8' SE

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINES AT WL LINE NO. 1, STA. 10+00.00 AND WL LINE NO. 1, STA. 15+72.17 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.



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 L:\WICHITA-FACIL\2022\12\16\7001\MUNIDRAWINGS\210167-001-CU203 WATERLINE NO. 1.DWG



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 BOULDER, COLORADO 80302
 303.499.7795



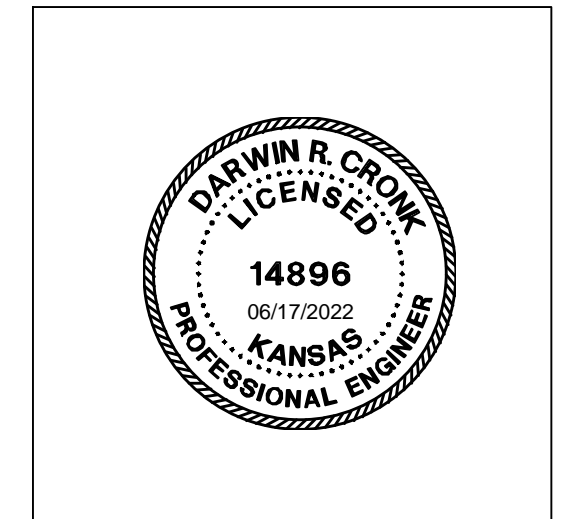
PROJECT 214949.00

ADVANCED ORTHOPAEDIC ASSOCIATES MOB

SHANNON WOODS
 WICHITA, KS 67226

PERMIT SET

DATE	DESCRIPTION	DATE
5/3/22		



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SHEET TITLE

WL LINE NO. 1

SHEET NUMBER

CU203

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Dondlinger
 CONSTRUCTION

PROJECT 214949.00

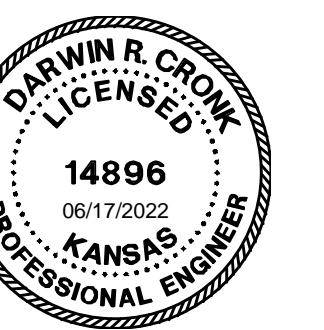
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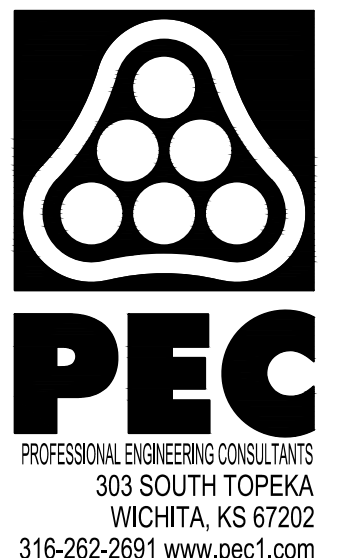
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REVISIONS	DESCRIPTION	DATE
▲		



CITY OF WICHITA PROJECT NUMBER
 2022-009795 PPW (54030980)

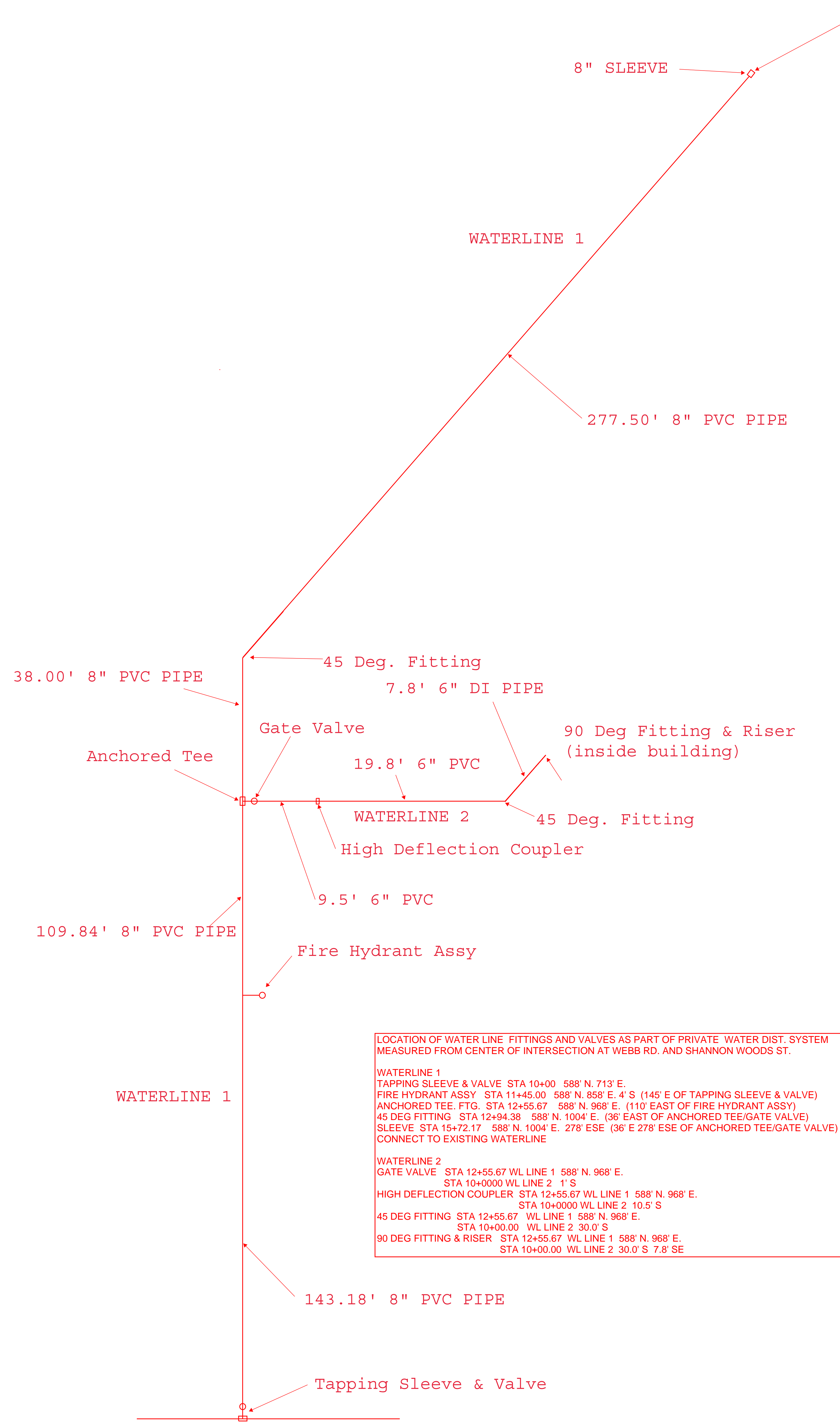
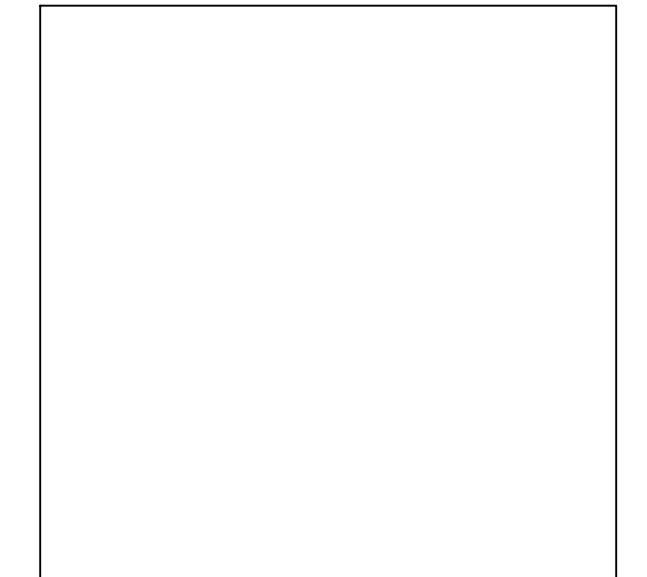


SHEET TITLE

WL LINE NO. 2

SHEET NUMBER

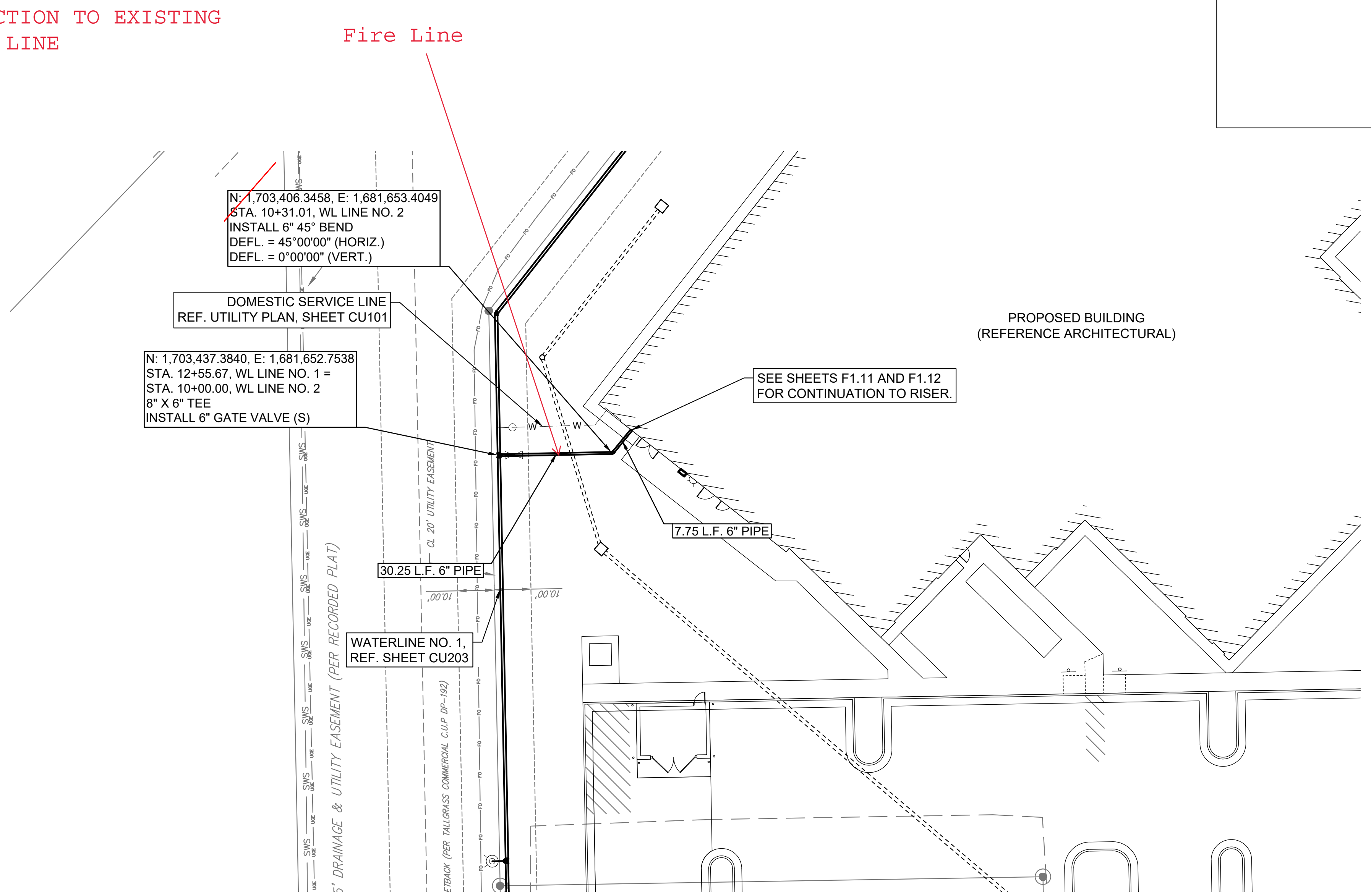
CU204



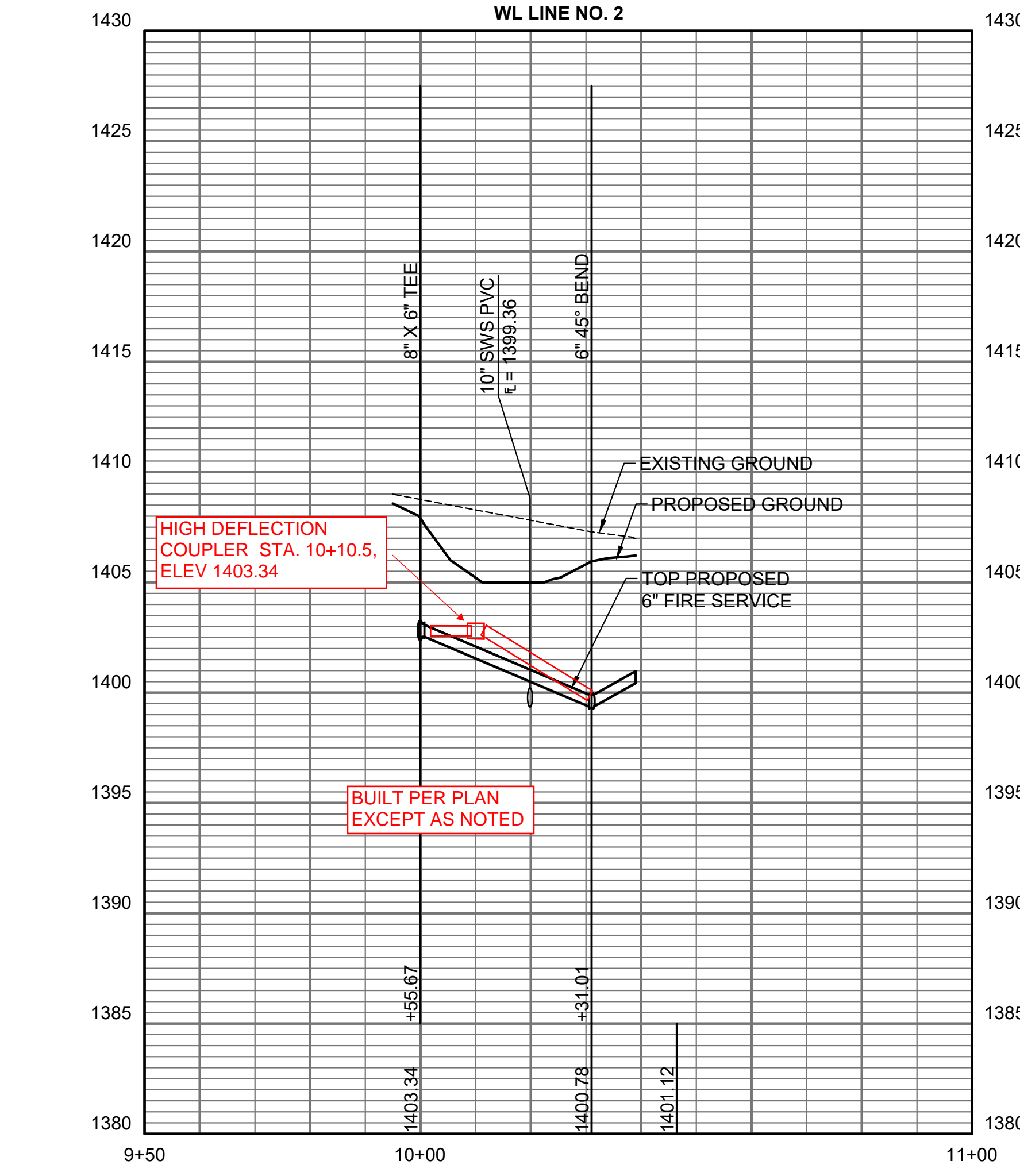
LOCATION OF WATER LINE FITTINGS AND VALVES AS PART OF PRIVATE WATER DIST. SYSTEM MEASURED FROM CENTER OF INTERSECTION AT WEBB RD. AND SHANNON WOODS ST.

WATERLINE 1
 TAPPING SLEEVE & VALVE STA 10+00 588' N. 713' E.
 FIRE HYDRANT ASSY STA 11+45.00 588' N. 858' E. 4' S (145' E OF TAPPING SLEEVE & VALVE)
 ANCHORED TEE, FTG. STA 12+55.67 588' N. 968' E. (110' EAST OF FIRE HYDRANT ASSY)
 45 DEG FITTING STA 12+94.38 588' N. 1004' E. (36' EAST OF ANCHORED TEE/GATE VALVE)
 SLEEVE STA 15+72.17 588' N. 1004' E. 278' ESE (36' E 278' ESE OF ANCHORED TEE/GATE VALVE)
 CONNECT TO EXISTING WATERLINE

WATERLINE 2
 GATE VALVE STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+0000 WL LINE 2 1' S
 HIGH DEFLECTION COUPLER STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+0000 WL LINE 2 10.5' S
 45 DEG FITTING STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+00.00 WL LINE 2 30.0' S
 90 DEG FITTING & RISER STA 12+55.67 WL LINE 1 588' N. 968' E.
 STA 10+00.00 WL LINE 2 30.0' S 7.8' SE



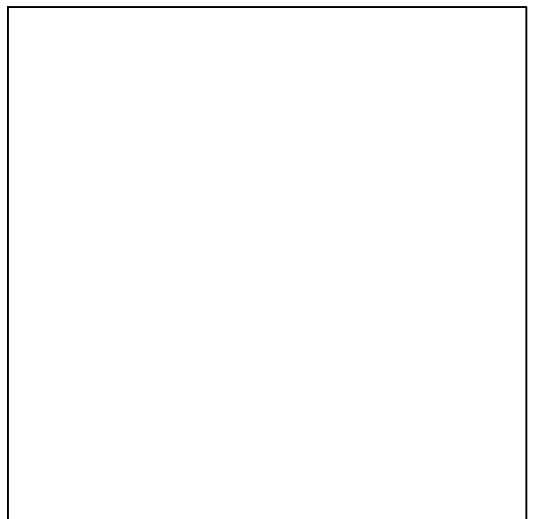
UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.



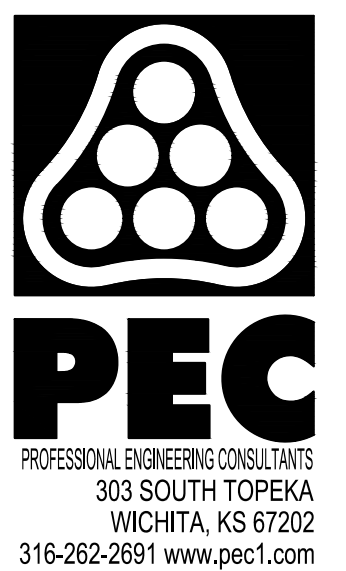
PLAN: LAT. & LONG. 0 10' 20' 40'
 PROFILE: HORIZ. SAME AS ABOVE
 VERT: _____

PRINTED ON 11x17 INCH PAPER
 PLOTTED 6/17/2022 10:16:29 AM BY DUSTIN BILLINGSLEY
 L:\WICHITA\FACIL\2021\210167001\MUNIDRAWINGS\210167-001-CU204 WATERLINE NO. 2.DWG
 © BOULDER ASSOCIATES

PROFESSIONAL ENGINEERING CONSULTANTS
 303 SOUTH TOPEKA
 WICHITA, KS 67202
 316-262-2891 | www.pec1.com



CITY OF WICHITA PROJECT NUMBER
2022-009795 PPW (54030980)



FIRE HYDRANT ASSEMBLY
PER CITY OF WICHITA SPECIFICATIONS

TRACER WIRE DETAIL
COST IS SUBSIDIARY TO PIPE INSTALLATION

FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
WL NO. 1 11+45.00	1409.40	1405.54	4.4'	N/A

VALVE ASSEMBLY

CITY TAP

PROTECTIVE FILL DETAIL

ANCHORED VALVE ASSEMBLY

ANCHORED VALVE ASSEMBLY, SPECIAL

2" BLOWOFF ASSEMBLY

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION

VALVE STEM EXTENSION DETAIL

STANDARD WATER ASSEMBLY DETAIL

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

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

TEST STATIONS
The test station for fire hydrant application shall be a 1" "conduit" style station as manufactured by AGRA Industries with a removable solid cover having a single lead extending from the face or approved equal. The "conduit" style test station shall be attached to a 1" rigid galvanized conduit with a minimum length of 36" and plastic end bushing. The flush style shall have the word "WATER" stamped or molded into the lid. The test station for valve applications shall be a 2" flush style test station with wire connector on lid. Model # 1299/181LP Handy Industries or CD14TP Snakefit 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 installed 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.

NOTES:

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

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

REVISIONS: 10/27/16

PROFESSIONAL ENGINEER: GARY L. JANZEN, P.E. (16234)

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STANDARD WATER ASSEMBLY DETAIL
CITY ENGINEER
GARY JANZEN, P.E.

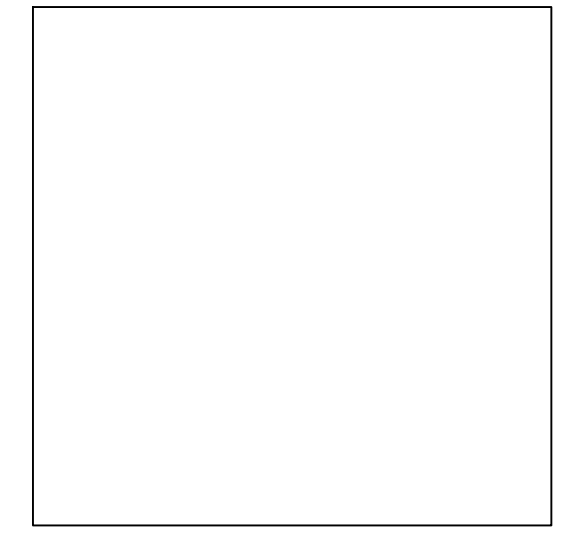
PROJECT NUMBER	CCA NUMBER	DATE

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

REVISOR: OCTOBER 2016

WL-101

SAVED: 4/21/2022 10:56:22 AM BY CHANCE SWANEY
 PLOTTED: 6/17/2022 10:16:54 AM BY JUSTIN BILKINSLEY
 LW: WICHITA-FACIL 202112121016170011UNIDRAWINGS/210167-001-CU223 STANDARD WATER ASSEMBLY DETAIL.DWG
 © BOULDER ASSOCIATES



CITY OF WICHITA PROJECT NUMBER
 2022-009795 PPW (54030980)



KANSAS SURGERY AND RECOVERY CENTER 2ND ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS We, Baughman Company, P.A., Surveyors in
 Sedgewick County) do hereby certify that we have surveyed and
 plotted "KANSAS SURGERY AND RECOVERY CENTER 2ND ADDITION", Wichita,
 Sedgewick County, Kansas and that the accompanying plat is a true and
 correct exhibit of the property surveyed, described as Lot 2, Block 1,
 Kansas Surgery and Recovery Center Addition to Wichita, Sedgewick County,
 Kansas, EXCEPT a tract of land in said Lot 2, Block 1, described as:
 Commencing at the NW corner of Lot 2, Block 1, Kansas Surgery and
 Recovery Center Addition to Wichita, Sedgewick County, Kansas; thence
 S00°38'39"E along the west line of said Lot 2, a distance of 382.00 feet,
 to the point of beginning; thence N09°03'21"E a distance of 163.00 feet,
 thence S00°50'30"E a distance of 258.00 feet; thence S13°33'21"W a
 distance of 114.34 feet to a point in the south line of said Lot 2; thence
 along said line, N76°26'39"W a distance of 135.67 feet to the P.C. of a
 curve to the left having a radius of 104.31 feet; thence along said curve
 through a central angle of 0°17'17" along the south line of Lot 2 a
 distance of 5.20 feet to the southeast corner of said Lot 2; thence
 N00°56'30"W along the west line of said Lot 2, a distance of 333.45 feet
 to the point of beginning and EXCEPT a portion of Lot 2, Block 1, Kansas
 Surgery and Recovery Center Addition to Wichita, Sedgewick County, Kansas
 described as beginning at the eastern most corner of said Lot 2; thence
 S44°00'51"W along the southerly line of said Lot 2, 543.14 feet to the
 eastern most southeast corner of said Lot 2; thence N43°36'39"W along a
 southerly line of said Lot 2, 77.50 feet to the P.C. of a curve to the left;
 thence along said curve to the left and on an arc length of 180.81 feet
 having a radius of 276.36 feet, a central angle of 37°30'22"; a chord
 length of 177.89 feet, and a chord bearing of N82°41'30"W; thence
 N44°00'51"E, 301.45 feet to a point on the northerly line of said Lot 2;
 thence S45°50'30"E, 248.00 feet to the point of beginning, TOGETHER with
 the north 55.00 feet of Lot 1, Block 1 in said Kansas Surgery and
 Recovery Center Addition.

This plat approved and all dedications
 shown hereon accepted by the City Council of the City of Wichita,
 Kansas, this 24th day of January, 2022.

Charles A. Warren, Mayor, City of Wichita
Karen Sidwell, City Clerk

Charles A. Warren, Chair
Dale Miller, Secretary

Wichita-Sedgewick County Metropolitan Area Planning Commission

This plot approved and all dedications
 shown hereon accepted by the City Council of the City of Wichita,
 Kansas, this 24th day of January, 2022.

Karen Sidwell, City Clerk

Karen Sidwell, County Clerk
Kelly B. Arnold, County Clerk

Tricia L. Robello, P.S. #1246
 Deputy County Surveyor
 Sedgewick County, Kansas

Cheryl Beulinger, Register of Deeds
Tanya Buckingham, Register of Deeds

Kathy Zentgraf, Deputy

Existing public easements, building setback lines,
 dedications, and access controls, if any, being
 received by virtue of K.S.A. 12-312b, are amended.

Michael G. Cooney, P.S. #1209
 Surveyor

Know all men by these presents that we,
 the undersigned, have caused the land in the foregoing certificate to be
 plotted into Lots, a Block, and Reserves, to be known as "KANSAS
 SURGERY AND RECOVERY CENTER 2ND ADDITION", Wichita, Sedgewick County,
 Kansas. The utility easements are hereby granted as indicated for the
 construction and maintenance of public utilities. The drainage
 easements are hereby granted as indicated for drainage purposes.
 The drainage and utility easements are hereby granted as indicated for
 drainage purposes and for the construction and maintenance of all public
 utilities. No signs, light poles, private drainage systems, masonry fences,
 masonry trash enclosures or other structures shall be located within public
 utility easements unless a Use of Easement Permit is obtained from the
 City of Wichita Public Works & Utilities Department. Reserve "A" is hereby
 reserved for open space, landscaping, drainage purposes, entry monuments,
 signs, a private drive, ingress and egress purposes as confined to
 easement, sanitary sewer systems and related appurtenances as confined
 to easement, and utilities as confined to easement. Reserve "B" is
 hereby reserved for open space, landscaping, drainage purposes, entry
 monuments, signs, a private drive, a public bicycle/pedestrian path and
 related appurtenances as confined to easement, water line and related
 appurtenances as confined to easement, and utilities as confined to
 easements. Reserves "A" and "B" shall be subject to the restrictive
 covenants established by the declaration of lot owners association
 agreements and shall be owned and maintained by a lot owners
 association to be formed within Kansas Surgery and Recovery Center 2nd
 Addition, Wichita, Sedgewick County, Kansas, provided however, that the
 public bicycle/pedestrian path within said Reserve "B" shall be maintained
 by the City of Wichita, Kansas. All egress rights of access shall be as
 depicted on the face of the plat. The Minimum Building Foot Elevations
 for the lowest opening to the structures shall be as indicated on the face
 of the plat.

Association No Christi Property Services, Inc.,
 a Kansas not-for-profit corporation (A/O)
 No Christi Property Services, Inc.,
 a Kansas not-for-profit corporation

Michael McCullough, President

Kansas Surgery and Recovery Center, LLC,
 a Kansas limited liability company (A/O)
 Kansas Surgery and Recovery Center, L.P.,
 a Kansas limited partnership

Ely Bartal, Member

State of Kansas) SS The foregoing instrument acknowledged before
 me, this 11th day of December, 2021, by Michael McCullough,
 President of Association No Christi Property Services, Inc., a Kansas
 not-for-profit corporation, (A/O) No Christi Property Services, Inc., a
 Kansas not-for-profit corporation, on behalf of the not-for-profit
 corporation.

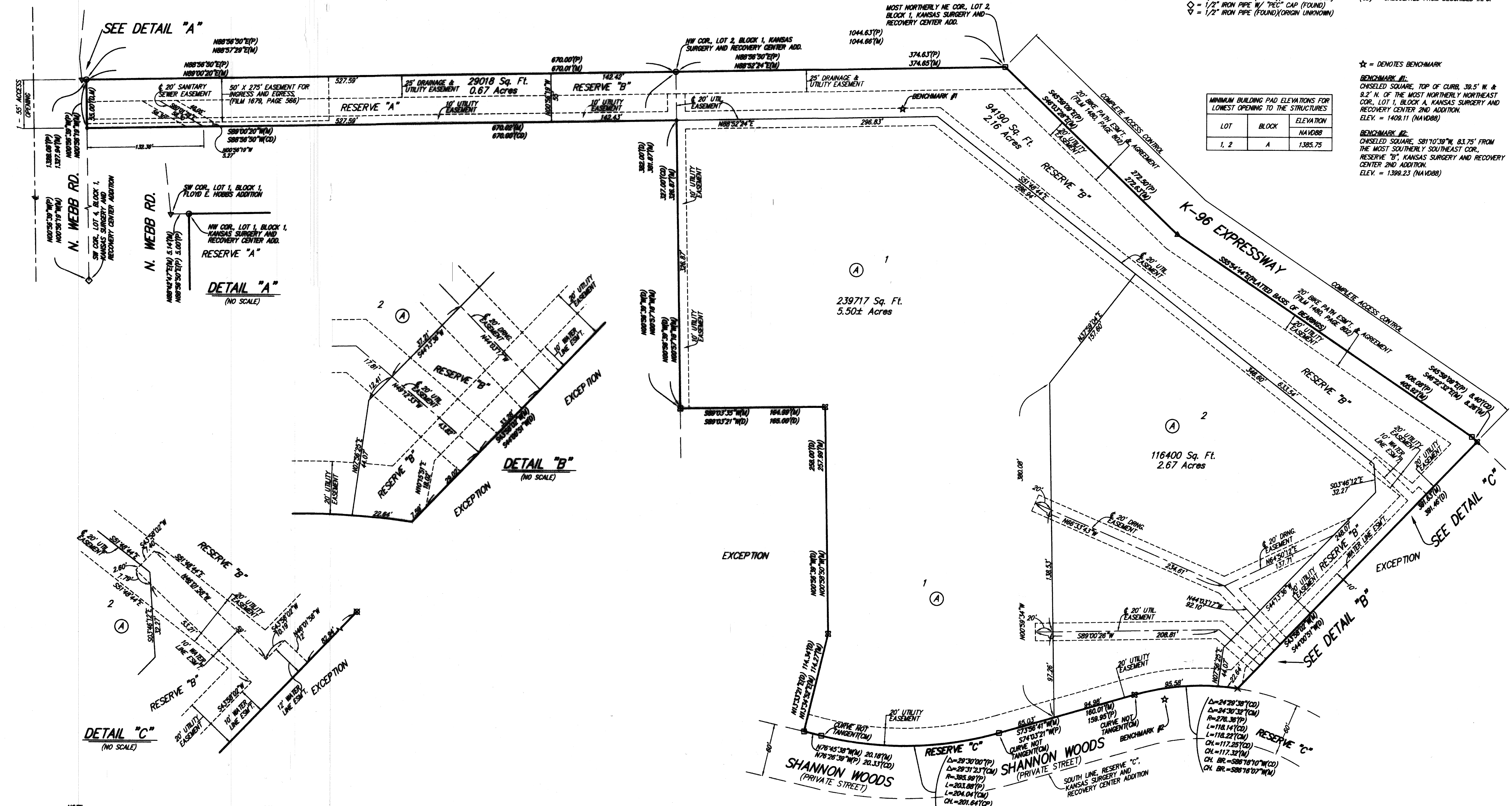
Amy Chester, Notary Public

My App'l Exp. 6/14/20

State of Kansas) SS The foregoing instrument acknowledged before
 me, this 11th day of December, 2021, by Michael McCullough,
 Member of Kansas Surgery and Recovery Center, LLC, a Kansas limited
 liability company, (A/O) Kansas Surgery and Recovery Center, L.P., a
 Kansas limited partnership, on behalf of the limited liability company.

Sherry K. Stahl, Notary Public

My App'l Exp. 2-26-2022



NOTE: EXISTING CONSTRUCTION, OPERATION AND RECREATIONAL EASEMENT AGREEMENT AFFECTS THIS PLAT AND OTHER PROPERTY. (DOC#FLM-PC 20866420)

NOTE: EXISTING DECLARATION OF CROSS LOT ACCESS AND EASEMENT AFFECTS THIS PLAT AND OTHER PROPERTY. (DOC#FLM-PC 20866420)

NOTE: EXISTING DRAINAGE AGREEMENT AFFECTS THIS PLAT AND OTHER PROPERTY. (DOC#FLM-PC 20866420)

Baughman Company, P.A.
 315 8th St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149

6-087-04

SAVED: 4/28/2022 7:56:51 AM BY DUSTIN BILLINGSLEY
 PLOTTED: 6/17/2022 10:16:03 AM BY DUSTIN BILLINGSLEY
 LW: WICHITA-FACIL 20221210167001\MUNIDRAWINGS\210167-001-CU601 COPY OF PLAT.DWG