

# 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 UNDESIRABLE 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 STONED 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, 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. WATER VALVES, VALVE BOXES AND 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 REINHART 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-01. COST IS SUBSIDIARY TO PIPE INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATER LINES, CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
- REQUESTS FOR SHORT TERM WATER INTERRUPTIONS SHALL BE MADE TO THE CITY WATER DISTRIBUTION DIVISION AND WILL BE SUBJECT TO THEIR APPROVAL. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ANY PROPERTY OWNER, BUSINESS, AND/OR TENANTS THAT WILL HAVE WATER SERVICE INTERRUPTED AT LEAST 5 DAYS IN ADVANCE. SUCH NOTIFICATIONS SHOULD INDICATE THE TIME AND DATE THAT THE WATER WILL BE TURNED OFF AND WHEN THE SERVICE WILL BE RESTORED, NO BUSINESS, PROPERTY OWNER, AND/OR TENANTS SHALL BE WITHOUT WATER SERVICE FOR MORE THAN 8 HOURS. PROPOSED TIE IN LOCATIONS WHICH WILL AFFECT WATER SERVICE TO PROPERTY OWNERS SHALL BE PERFORMED DURING NON-PEAK HOURS.
- THE CONTRACTOR MUST SCHEDULE THE CONNECTIONS TO THE EXISTING MAIN WITH THE CITY SUCH THAT THERE IS A MINIMUM DISRUPTION OF SERVICE. CONNECTIONS SHALL BE MADE DURING PERIODS OF LOW WATER USAGE. THE CONTRACTOR SHALL SUBMIT HIS PROPOSED SCHEDULE FOR COMPLETING WORK FOR CITY APPROVAL AT LEAST 10 DAYS PRIOR TO BEGINNING CONSTRUCTION.

- DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURERS RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE FITTINGS.
- ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.
- 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 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.
- 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. AR.6.5 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.
- 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 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.
- 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.
- MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MANS, SERVICES, AND FIRE HYDRANTS) AND ALL SANITARY SEWER LINES (MANS, SERVICES, AND MANHOLES). ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MANS AND SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MANS, SERVICES, AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MANS 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.
- 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 CONTRACTORS 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.

**Utility Contractor = Fremar Corporation.**  
**Inspector = Fred Smith - Baughman Company.**  
**As-Built Plans By = FES & Larry Powell**  
**January 21, 2025**

**Construction Began = December 2024**  
**Construction End = January 2025**

**Fire Hydrant = American Darling**  
**Valve = CLOW**  
**6" DICL Pipe = US Pipe.**

## BENCHMARKS

- BM-201  
ELEV: 1,328.57 (NAVD 88)  
CHISELED SQUARE CENTER SOUTH SIDE CURB INLET NORTH SIDE OF MAIN ROAD NEAR SOUTHEAST CORNER OF PARKING AREA
- BM-202  
ELEV: 1,329.99 (NAVD 88)  
CHISELED SQUARE WEST CURB ROAD @ TRANSITION OF ASPH ALT TO CONCRETE JUST NORTH OF TRASH DUMPSTER AREA
- BM-203  
ELEV: 1,341.80 (NAVD 88)  
CHISELED SQUARE SOUTHWEST CORNER RETAINING WALL FOR STORAGE AREA NORTHEAST OF LOADING DOCK DOOR # 6

**Control Point USED = CP-101:**  
**N=1,709,909.3091 E=1,655,153.5258 ELEV = 1328.65**

# WATER DISTRIBUTION SYSTEM **AS-BUILT PLANS**

## to serve

### USD 259 SSC NS NORTH DOCK

## 3850 NORTH HYDRAULIC

### CITY OF WICHITA, KANSAS

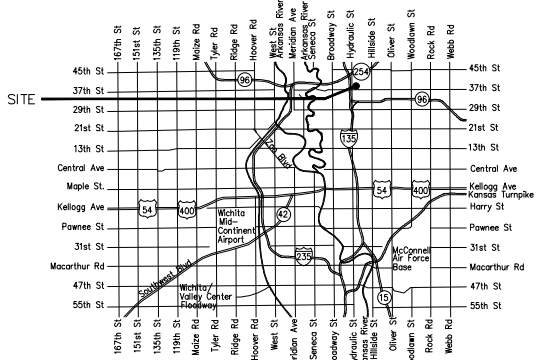
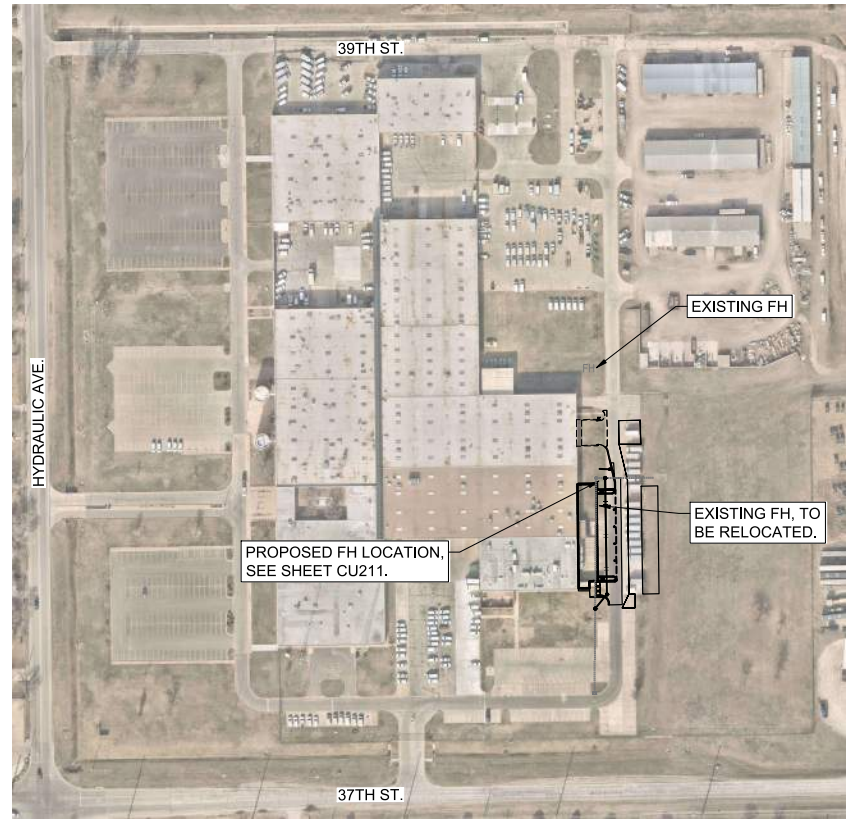
PAUL GUNZELMAN, P.E. - CITY ENGINEER

Project Number  
2024-017518PPW (54030980)

Baughman Company Job Number: 24-10-E915

## SHEET INDEX

- SHEET NO. CU210 PPW TITLE SHEET
- SHEET NO. CU211 PPW KEY MAP
- SHEET NO. CU501 UTILITY DETAILS
- SHEET NO. C-503-C-507 EROSION CONTROL BMP DETAILS



## Vicinity Map

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

Engineering SHAWN MELLIES - 08/01/24  
Utilities GREG LOLLEY - 08/01/24  
Fire Dept. JOSE OCADIZ - 08/01/24

**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 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.

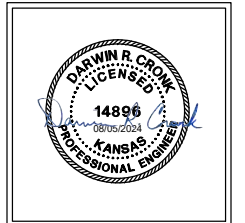
**Private Property:**  
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply 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.

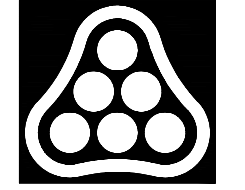
**AUGUST 2024**

ISSUE DATE  
06-24-2024

REVISIONS  
ADD #1 07-15-2024  
ADD #2 08-05-2024



MABCD REVIEWER:



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



#2412 NUTRITION SERVICES  
EXPANSION (PHASE 2)  
SCHOOL SERVICES CENTER (SCC)  
3850 NORTH HYDRAULIC WICHITA, KS 67219

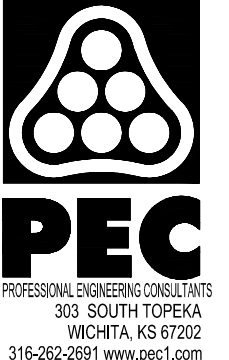
DATE 6/24/24  
DRAWN BY DSB  
CHECKED BY DRC

PROJECT NO. 218259-025

PPW TITLE SHEET  
**CU210**

SAVED: 06/20/24, 10:44:45 AM BY: CHANCE SWANEY  
PLOTTED: 06/20/24, 10:55:23 AM BY: CHANCE SWANEY  
C:\WICHITA\FACIL\2024\12\259\SSC\NS\NORTH DOCK\PLANS\210259-025 CU210 PPW TITLE SHEET.DWG

ISSUE DATE 06-24-2024	
1	REVISIONS ADD #1 07-15-2024
2	ADD #2 08-05-2024



#2412 NUTRITION SERVICES  
EXPANSION (PHASE 2)  
SCHOOL SERVICES CENTER (SCC)  
3650 NORTH HYDRAULIC WICHITA, KS 67219

DATE	6/24/24
DRAWN BY	DSB
CHECKED BY	DRC
PROJECT NO.	218259-025

PPW KEY MAP  
**CU211**

**SURVEY LEGEND**

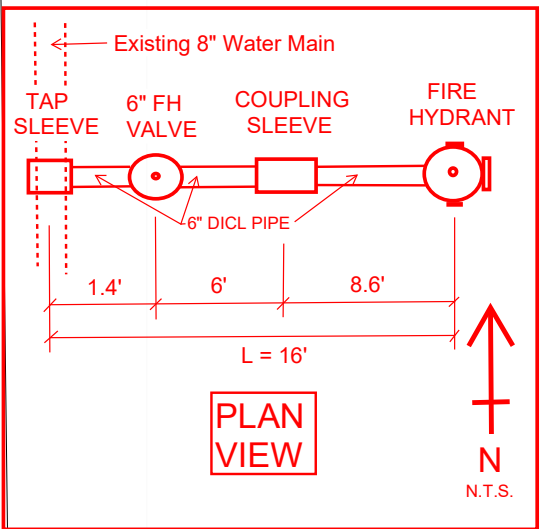
UNDG. GAS LINE	---	GAS RISER	GR
UNDG. TELEPHONE LINE	--- UT ---	STORM DRAIN MANHOLE	SDA
UNDG. FIBER OPTIC	--- UF ---	STORM DRAIN AREA INLET	SDC
BUILDING LINE	-----	STORM DRAIN CURB INLET	RD
WATER LINE	--- W ---	ROOF DRAIN INTO GROUND	ELR
GUARD RAIL	-----	ELECTRICAL TRANSFORMER	ELC
FENCE	--- X ---	ELECTRICAL RISER	ELP
STORM SEWER PIPE	--- I ---	ELECTRICAL LIGHT POLE	ELC
GENERIC FLOWLINE	---	ELECTRICAL CABINET	ELC
ROAD CENTERLINE	---	REINFORCED CONCRETE PIPE	RCP
UNDERGROUND ELECTRIC LINE	--- UE ---	POLYVINYL CHLORIDE PIPE	PVC
MAJOR CONTOUR	--- ELEV ---	STEEL PIPE	STL
MINOR CONTOUR	--- ELEV ---	STORM WATER AREA INLET	SDA
LOT LINE	---	STORM WATER CURB INLET	SDC
SECTION CORNER	△ SCR Section	SANITARY SEWER MANHOLE	SSM
HORIZONTAL CONTROL POINT	△ CP389	CONCRETE	CONC
PROPERTY IRON	○ JRP	CURB AND GUTTER	C&G
BENCH MARK	⊕ BM387	FLOW LINE	FL
TELEPHONE RISER	○ TR	ELEVATION	EL
CABLE TV RISER	○ TVR	FINISH FLOOR ELEVATION	FFE
WATER VALVE	⊗ WM	NOT TO SCALE	N.T.S.
WATER METER	⊗ WM	INFORMATION SHOWN (LOCATION, SIZE, MATERIAL, ETC.) IS FROM RECORD DOCUMENTS. THIS INFORMATION WAS NOT PHYSICALLY MARKED OR LOCATED ON SITE	RECORD
FIRE HYDRANT	⊗ FH		
GUARD POST	○ POST		
BORING HOLE	⊗ BOR		

**LEGEND**  
**TS** = Test Station  
**CL's** = Centerlines  
**FH** = Fire Hydrant

From CL's 37th St. N. & Hydraulic Ave.:  
**FIRE HYDRANT = Sta. 10+16**  
 = 549' N. & 974.6' E.  
**N=1,710,325.39 E=1,655,178.27**  
**6" FH Valve = 15' West of Fire Hydrant.**  
**Fire Hydrant Faces East.**

From CL's 37th St. N. & Hydraulic Ave.:  
**COUPLING SLEEVE = Sta. 10+07.4**  
 = 549' N. & 966' E.  
**N=1,710,325.60 N=1,655,169.61**

From CL's 27th St. N. & Hydraulic Ave.:  
**TAP SLEEVE = Sta. 10+00**  
 = 549' N. & 958.6' E.  
**6" TAP / FH VALVE = Sta. 10+01.4**  
 = 549' N. & 960' E.  
**N=1,710,324.93 E=1,655,163.53**



**NOTES:**  
 1) Fire Hydrant = No Barrel Extension.  
 2) 6" FH Valve = No Valve Extension.  
 3) Fire Hydrant Faces East.

**Northings (N) & Eastings (E): State Plane Coordinates - Kansas Grid South - NAD83.**  
**Elevations: NAVD88.**  
**Survey GPS Shots By: Fred Smith - Baughman Company, P.A.**

- GENERAL NOTES**
- ALL ITEMS IN THIS SURVEY ARE DEPICTED IN THE LEGEND, BUT NOT ALL ITEMS IN THE LEGEND ARE DEPICTED IN THE SURVEY.
  - ALL UNDERGROUND UTILITIES DEPICTED ON THIS DRAWING NOT DENOTED AS "RECORD" HAVE BEEN MARKED ON THE GROUND BY THE OWNER AND/OR PUBLIC LOCATING SERVICE PER THE INCLUDED UTILITY LOCATE TICKET(S). THE LOCATIONS SHOWN ON THE DRAWING ARE THE REPRESENTATIONS OF THESE MARKINGS. THESE UTILITIES WERE NOT EXCAVATED AND PHYSICALLY LOCATED BY THE SURVEYOR. ANY UTILITY NOT FIELD LOCATED BY THE OWNER AND/OR PUBLIC LOCATING SERVICE MAY NOT BE DEPICTED ON THIS DRAWING.
  - UTILITIES NOTED WITH "RECORD" IN THE DESCRIPTION HAVE BEEN DRAFTED FROM AVAILABLE RECORD INFORMATION AND THE PROPERTIES (LOCATION, SIZE, TYPE, ETC.) HAVE NOT BEEN VERIFIED IN THE FIELD.
  - GRAVITY FLOW UTILITIES SHOWN (SANITARY AND STORM SEWER) HAVE BEEN IDENTIFIED, LOCATED, AND MEASURED AT EACH MANHOLE OR CULVERT END. A REASONABLE ASSUMPTION IS MADE THAT THE LINES ARE LAID STRAIGHT BETWEEN STRUCTURES BUT THIS ALIGNMENT HAS NOT BEEN EXCAVATED AND PHYSICALLY VERIFIED IN THE FIELD.
  - ANY PROPERTY BOUNDARY INFORMATION SHOWN ON THIS DRAWING IS FOR REFERENCE ONLY AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.
  - REUSE OR MODIFICATION OF THIS SURVEY MAKES IT NO LONGER CERTIFIABLE.

**UTILITY LOCATE NOTE**  
 DIGSAFE  
 TICKET NUMBERS:  
 TICKET NO: 2167128  
 ORIGINAL CALL DATE: 12/29/21 09:52 AM

**MEMBERS NOTIFIED**

ATT DISTRIBUTION	800-778-9140
COX COMMUNICATIONS	800-778-9140
EVERGY	800-778-9140
KANSAS GAS SERVICE	800-778-9140
JAYHAWK PIPELINE	620-755-1160
LEVEL 3 IS NOW CENTURYLINK	877-366-8344
NUSTAR PIPELINE OPERATING	316-721-7073
WICHITA WATER	316-268-4555
WICHITA PUBLIC SCH	316-973-2267

**\*NOTE:**  
 CONTRACTOR CAN REUSE EXISTING INDICATOR POST IF CONDITION WILL ALLOW. PROVIDE NEW INDICATOR POST IF UNABLE TO REUSE EXISTING.

**CONTROL SUMMARY**  
 HORIZONTAL DATUM/COORDINATE SYSTEM: NAD 83 (2011)  
 KANSAS SOUTH ZONE  
 PROJECT COORDINATE SYSTEM: (GRID) ON DESCRIBED COORDINATE SYSTEM  
 VERTICAL DATUM: NAVD 88  
 SCALE POINT: NORTING: 0, EASTING: 0  
 COMBINED ADJUSTMENT FACTOR: GROUND TO GRID=0.999880105, GRID TO GROUND=1/0.999880105  
 DISTANCE UNITS: US SURVEY FEET

**HORIZONTAL CONTROL POINTS**

CP-101	N: 1709909.3091 E: 1655153.5258
#4 BAR W/PEC CP CAP SOUTH OF CURB INLET NEAR SOUTHEAST CORNER PARKING AREA	
1.	33.45 N TO CHISELED SQUARE CENTER S SIDE CURB INLET
2.	8.2 E TO WEST BACK OF CURB MEDIAN
3.	40.75 S TO CHAIN LINK FENCE

**CP-102**  
 N: 1710245.2647 E: 1655174.3155  
 MAG NAIL WEST SIDE OF ROAD @ NORTH END TRASH DUMPSTER AREA

1.	8.5 N TO CHISELED SQUARE @ BACK OF CURB
2.	2.5 E TO WEST EDGE OF ROAD
3.	15.05 WSW TO NORTHEAST CORNER OF RETAINING WALL

**CP-103**  
 N: 1710493.3981 E: 1655207.493  
 #4 BAR W/PEC CP CAP WNW OF RETAINING WALL FOR STORAGE AREA

1.	23 ENE TO SW CORNER RETAINING WALL
2.	11.3 W TO EAST CURB OF ROAD
3.	53.9 WNW TO TOP CENTER OF FIRE HYDRANT

**BENCH MARKS**

BM-201	ELEV: 1,328.57 (NAVD 88)
CHISELED SQUARE CENTER SOUTH SIDE CURB INLET NORTH SIDE OF MAIN ROAD NEAR SOUTHEAST CORNER OF PARKING AREA	
BM-202	ELEV: 1,329.99 (NAVD 88)
CHISELED SQUARE WEST CURB ROAD @ TRANSITION OF ASPHALT TO CONCRETE JUST NORTH OF TRASH DUMPSTER AREA	
BM-203	ELEV: 1,341.80 (NAVD 88)
CHISELED SQUARE SOUTHWEST CORNER RETAINING WALL FOR STORAGE AREA NORTHEAST OF LOADING DOCK DOOR # 6	

SAVED: 06/20/24, 10:44:31 AM BY: CHANCE SWANEY  
 PLOTTED: 06/20/24, 10:56:35 AM BY: CHANCE SWANEY  
 C:\WCHIT\PPW\FACIL\021218259\025\MUNDR\WINGS\10\DOCK PLANS\210259-025 CU211 PPW KEY MAP.DWG

CL Hydraulic Avenue

CL 37th St. North

ISSUE DATE	06-24-2024
REVISIONS	
ADD #1	07-15-2024



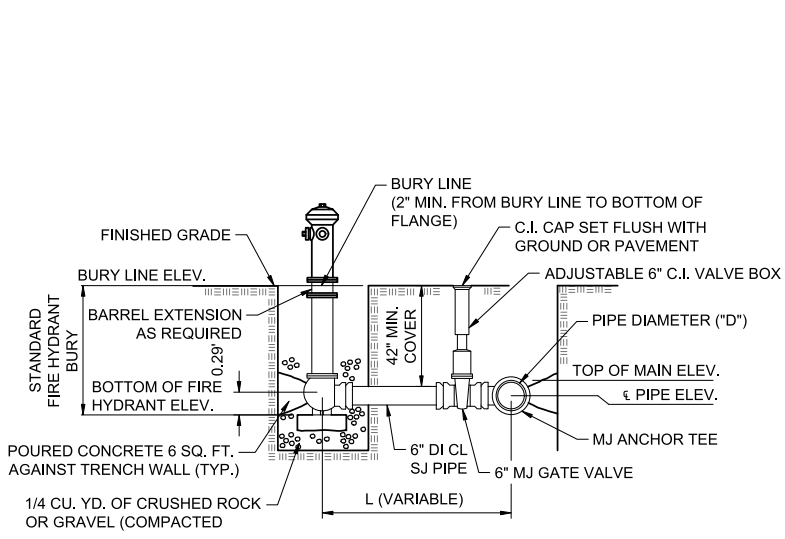
MABCD REVIEWER:



#2412 NUTRITION SERVICES  
EXPANSION (PHASE 2)  
SCHOOL SERVICES CENTER (SCC)  
3650 NORTH HYDRAULIC WICHITA, KS 67219

DATE	6/24/24
DRAWN BY	DSB
CHECKED BY	DRC
PROJECT NO.	218259-025

UTILITY DETAILS  
**CU501**

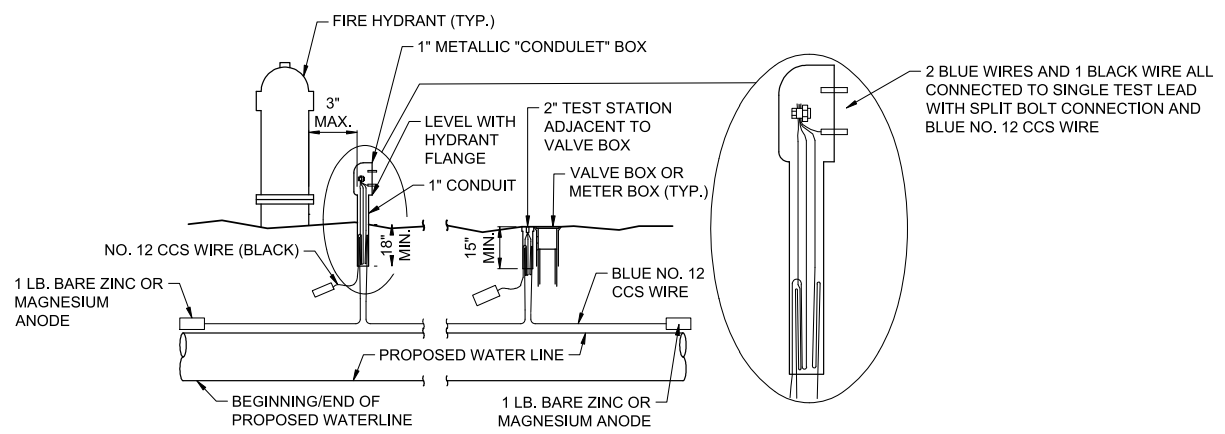


- FIRE HYDRANT ASSEMBLY NOTES**
- ALL BLOCKING TO BE POURED CONCRETE CLASS II.
  - MATERIAL LIST
    - 1 - MJ ANCHOR TEE ("D" X 6")
    - 1 - 6" MJ GATE VALVE
    - 1 - 6" VALVE BOX
    - 6" DI CL SJ PIPE
    - 1 - FIRE HYDRANT
    - CONCRETE BLOCKING (AS REQUIRED)

FIRE HYDRANT REQUIRED				
LINE NO.	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
1	N/A	1330.19	1326.19	4
		1330.89		

**6" FH Valve = No Valve Extension.**  
**Fire Hydrant = No Barrel Extension.**

**FIRE HYDRANT ASSEMBLY**  
NOT TO SCALE



**TRACER WIRE NOTES**

**TRACER WIRE**  
CONDUCTIVE TYPE PIPE LOCATOR/TRACER WIRE SHALL BE INSTALLED TO LOCATE POLYVINYL CHLORIDE (PVC) OR ANY NONMETALLIC WATERLINE PIPES. THE WIRE SHALL EXTEND THE ENTIRE LENGTH OF THE PROPOSED PIPE. THE WIRE SHALL BE TAPED TO THE WATERLINE AND PULLED WITH THE PIPE. SNAKE BITE LOCKING WIRE CONNECTORS BY COPPERHEAD, OR APPROVED EQUAL, SHALL BE USED AT SPLICE LOCATIONS. ELECTRICAL TAPE SHALL COVER ALL SPLICES SO NO BARE WIRE IS EXPOSED. TEST STATIONS SHALL BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS ALONG THE WATERLINE AND AT BLOWOFFS OR VALVES NEAR THE ENDS OF THE WATERLINES. ANY EXCEPTIONS TO THE LOCATION OF TEST STATIONS SHALL BE APPROVED BY THE ENGINEER. AT EACH TEST STATION, THE TRACER WIRE SHALL BE CONNECTED TO A 1 LB. ZINC OR MAGNESIUM ANODE. ANODES SHALL ALSO BE ATTACHED TO THE TRACER WIRE AT BOTH THE BEGINNING AND THE END OF THE PROPOSED WATERLINE. A TYPICAL LAYOUT OF THE TRACER WIRE AND TEST STATION IS PROVIDED IN THE ABOVE FIGURE.

**WIRE**  
THE TRACER WIRE SHALL BE BLUE NO. 12 CCS WIRE WITH THERMAL PLASTIC INSULATION AS MANUFACTURED BY COPPERHEAD OR APPROVED EQUAL. THE INSULATION SHALL BE HEAT, OIL, AND GASOLINE RESISTANT AS MANUFACTURED BY TEMPLE ELECTRIC OR APPROVED EQUAL. 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. THE INSULATION SHEATHING SHALL BE REMOVED SUCH THAT 1" BARE COPPER WIRE IS EXPOSED AT ALL POINTS OF CONNECTION. 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 APPLICATIONS SHALL BE A 1 INCH GALVANIZED "CONDULET" STYLE TEST STATION AS MANUFACTURED BY AGRA INDUSTRIES OR APPROVED EQUAL WITH A REMOVAL SOLID COVER HAVING TWO LEADS EXTENDING FROM THE FACE OR APPROVED EQUAL. THE TEST STATION FOR VALVE AND METER APPLICATIONS SHALL BE 2 INCH FLUSH STYLE TEST STATION 72PS3B AS MANUFACTURED BY HANDLEY INDUSTRIES OR APPROVED EQUAL. THE "CONDULET" STYLE TEST STATION SHALL BE ATTACHED TO A 1 INCH 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. 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 10 INCHES OF WIRE WITHIN THE TEST STATION. IN CONCRETE ENVIRONMENTS SUCH AS SIDEWALKS OR IN THE DOWNTOWN AREA THE CONTRACTOR SHALL USE THE FLUSH STYLE TEST STATION. THE LOCATION OF ALL TEST STATIONS SHALL BE APPROVED BY THE ENGINEER, RECORDED, AND SHOWN IN THE AS-BUILT DRAWINGS.

**ANODES**  
THE ANODES SHALL BE 1 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 BLACK NO. 12 THHN ANNEALED SOFT COPPER WIRE WHICH SHALL BE EXTENDED TO THE TEST STATION.

**TRACER WIRE DETAIL**

NOT TO SCALE  
COST IS SUBSIDIARY TO PIPE INSTALLATION

SAVED: 7/15/2024 3:22:21 PM BY: CHANCE SWANEY  
PLOTTED: 6/25/2024 10:56:40 AM BY: CHANCE SWANEY  
C:\WCHIT\HAF\ACIL\2021\218259\025\MUNIDRAWINGS\10-POCK\PLANS\218259-025 CU501 UTILITY DETAIL.SDWG