

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 | 1-800-248-8454 |
| BLACK HILLS ENERGY (GAS) | 1-800-694-8980 |
| 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 | 1-888-248-3530 |
| 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. 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 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 ADJACENT TO 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 BY CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTING ENGINEER AND DANITA REINHARDT AT 850-0740 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 AT ~~316-268-4034~~ 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 CONTRACTOR'S 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 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.
- MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS) AND ALL SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES). ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL PRESSURIZED SANITARY SEWER LINES (FORCE MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE PRESSURIZED SANITARY SEWER LINES WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. THE CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101. COST IS SUBSIDIARY TO PIPE INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF THE-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 C&J LONG SLEEVE OR MULTIPLE JOINTS.
- ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.
- VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE CITY WATER DISTRIBUTION DIVISION, 48 HOURS OF ADVANCE NOTICE IS REQUIRED WITH THE WATER DISPATCH AT 316-231-0921.
- ALL WET TAPS SHALL BE INSTALLED BY THE CITY OF WICHITA. THE CONTRACTOR WILL REIMBURSE THE CITY FOR TAPPING FEES.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- WORK DONE UNDER THIS PROJECT IS SUBJECT TO THE CITY OF WICHITA REQUIREMENTS FOR "CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS BY PRIVATE CONTRACT". THE CONTRACTOR SHALL BE FAMILIAR AND COMPLY WITH ALL OF THE REQUIREMENTS, INCLUDING BONDING, INSPECTION, TESTING, NOTIFICATION, PROVIDING AS-BUILT DRAWINGS, PAYING FOR ALL NECESSARY CONNECTIONS, AND/OR STREET REPAIR FEES AND PROVIDING PIPE MATERIAL AND OTHER CERTIFICATIONS.
- DEVELOPER FOR THIS PROJECT IS:
DPO HERITAGE WEST PARTNERS, LLC
254 N SANTA FE, SUITE A
SALINA, KS, 67401
AUSTIN KACK
(785) 201-4048

PRIVATE WATER DISTRIBUTION PLANS

TO SERVE

ANDOVER SENIOR LIVING

THE CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E. - CITY ENGINEER

PROJECT NO. 2025-003851PPW

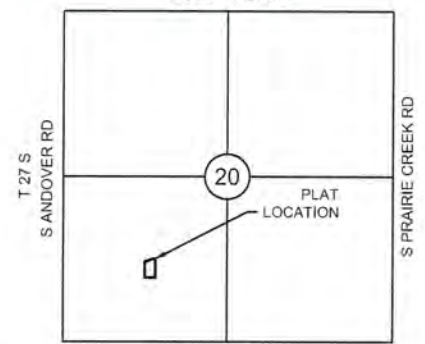
ORG CODE 54030980

424 East Founders Parkway

69 LF 6"; 58 LF 4"

R 3 E

E CENTRAL AVE



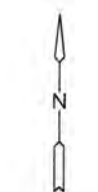
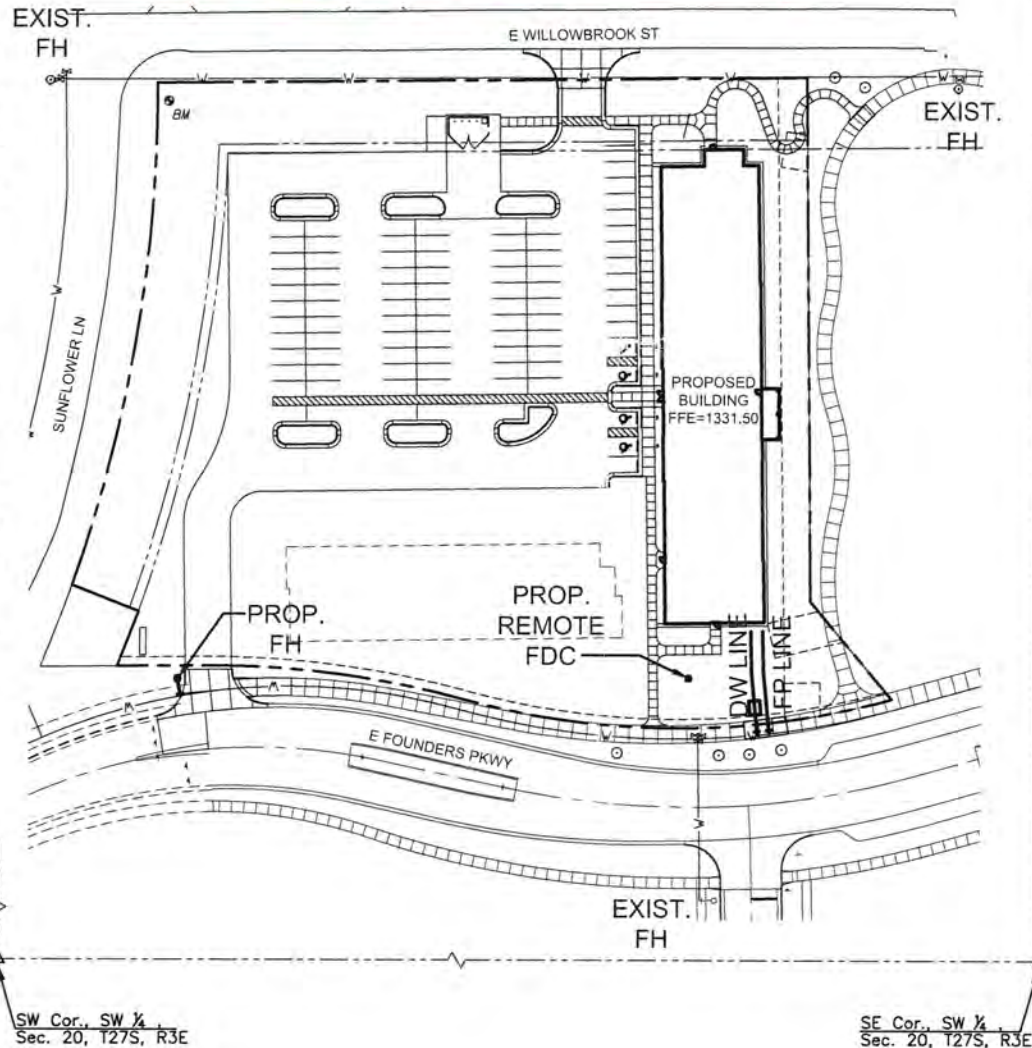
VICINITY MAP

SCALE: NTS

INDEX TO DRAWINGS

| SHEET NO. | DESCRIPTION |
|-----------|---------------|
| 01 | TITLE SHEET |
| 02-05 | WATER DETAILS |
| 06 | FP & DW LINES |
| 07 | FDC ALIGNMENT |
| 08-12 | BMP DETAILS |

NW Cor., SW ¼
Sec. 20, T27S, R3E



LEGEND

- EXISTING WATER
- PROPOSED WATER

BENCHMARKS

- CP110 N: 1685568.193 E: 1708413.190 EL: 1332.069
5/8" Rearr with Alum MKEC Control Point Cap
- CP113 N: 1686310.274 E: 1709968.071 EL: 1336.36
** Cul in Curb Return at NW corner of entrance to west approximately 600ft south of Douglas and Yorktown
- CP114 N: 1686962.077 E: 1709988.168 EL: 1332.09
** Cul on NW corner of intel on west side of Yorktown approximately 250ft south of Douglas and Yorktown
- CP115 N: 1685088.627 E: 1709991.875 EL: 1332.87
** Cul in Curb Return at NW corner of entrance to Founders Pkwy and Yorktown

LOT 2 LEGAL DESCRIPTION

HERITAGE MIXED-USE 2ND ADD, S20, T27, R03E
BLOCK 2, Lot 2, ACRES 3

AS-BUILT PLANS
CONTRACTOR: MCP GROUP/BUCK PLUMBING
3501 SW FAIRLAWN ROAD, TOPEKA, KS. 66614
PH.(316)794-8898
CONTRACTOR SUPERINTENDENT: TM ROBINSON
INSPECTOR: LANA WILSON/CD. ENGINEERING
COMPLETION DATE: 11/5/25
*BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.

NOTE: WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.

NOTE: ALL LINES TO BE INSTALLED BY OTHERS ARE SUBJECT TO MABCD REVIEW.

NOTE: CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



PRIVATE WATER DISTRIBUTION PLANS FOR
ANDOVER SENIOR LIVING
ANDOVER, KANSAS

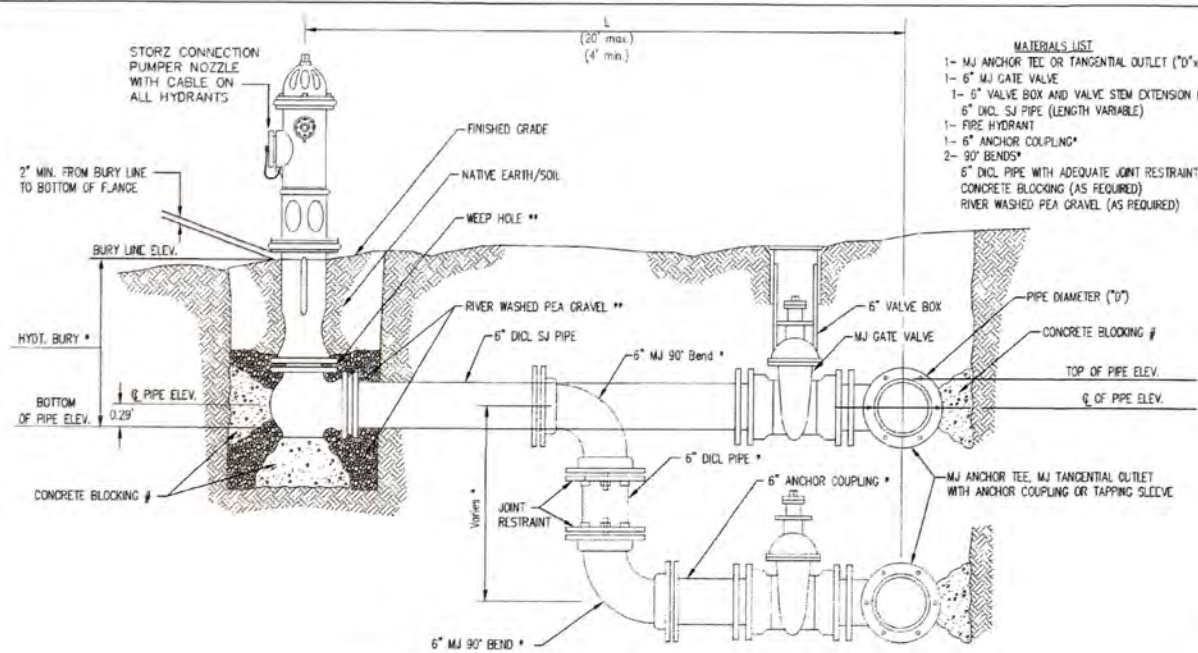
TITLE SHEET

PROJECT NO. 2025-003851PPW
SCALE 1"=50'

| DRAWN | DESIGNED | CHECKED |
|-------|----------|---------|
| BJL | TMBB | SPE |

| NO. | REVISION | DATE |
|-----|----------|------|
| | | |

SHEET NO. C-101
01 OF 12



- MATERIALS LIST**
- 1- MJ ANCHOR TEE OR TANGENTIAL OUTLET (10"x 6")
 - 1- 6" MJ GATE VALVE
 - 1- 6" VALVE BOX AND VALVE STEM EXTENSION IF REQUIRED *
 - 6" DI. SJ PIPE (LENGTH VARIABLE)
 - 1- FIRE HYDRANT
 - 1- 6" ANCHOR COUPLING*
 - 2- 90° BENDS*
 - 6" DI. PIPE WITH ADEQUATE JOINT RESTRAINT *
 - CONCRETE BLOCKING (AS REQUIRED)
 - RIVER WASHED PEA GRAVEL (AS REQUIRED)

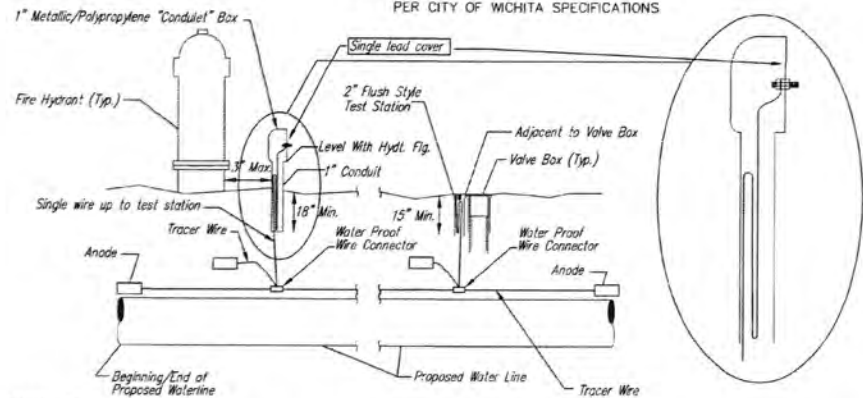
* IF THE REQUIRED HYDRANT BURY IS IN EXCESS OF 5', BUT LESS THAN 7', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY. IF THE REQUIRED HYDRANT BURY IS GREATER THAN 7', CONTRACTOR SHALL USE 5' HYDRANT BURY, 2-MJ 90° BENDS, 6" ANCHOR COUPLING AND 6" DI. PIPE AS NECESSARY 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 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.

WIRES

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

TEST STATIONS

The test station for fire hydrant application shall be a 1" conduit style station as manufactured by AGRA Industries with a removable solid cover having a single lead extending from the face or approved equal. The "conduit" style test station shall be attached to a 1" rigid galvanized conduit with a minimum length of 36" and plastic end bushing. The flush style shall have the word "WATER" stamped or molded into the lid. The test station for valve applications shall be a 2" flush style test station with wire connector on lid. Model # T2PH7B1LP Handley Industries or CD14*TP SnakePit as manufactured by Copperhead Industries or approved equal. The flush style shall have the word "WATER" stamped or molded into the lid. All test stations shall be manufactured using molded blue tops or sufficiently coated with blue enamel paint. The tracer wire and the anode wire shall be 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.

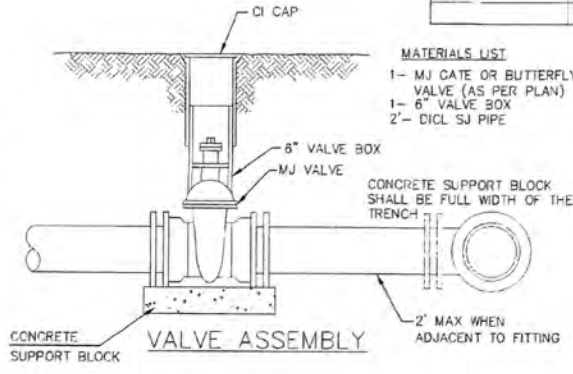
ANODES

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.

TRACER WIRE DETAIL

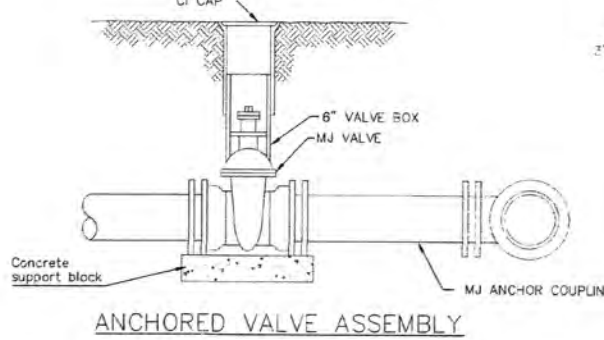
COST IS SUBSIDIARY TO PIPE INSTALLATION

| FIRE HYDRANTS REQUIRED | | | | |
|------------------------|---------------------|-----------------------|-----------------------------|--------------------------------|
| STATION | BURY LINE ELEVATION | TOP OF PIPE ELEVATION | FIRE HYDRANT BURY REQUIRED* | VALVE STEM EXT. REQUIRED (ft)* |
| EXISTING LINE | 1329.00 | 1324.83 | 4 | 10 |
| | | | | |
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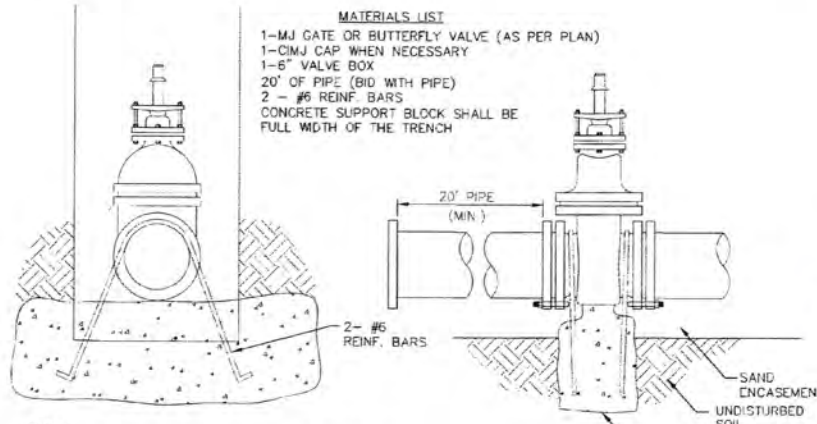


- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
 - 1- 6" VALVE BOX
 - 2- DI. SJ PIPE

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

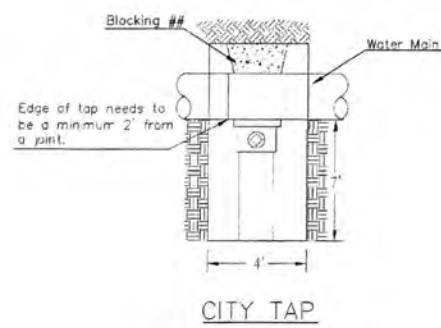


ANCHORED VALVE ASSEMBLY

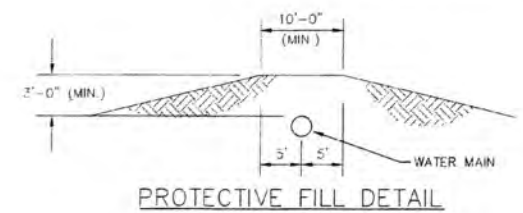


- Notes:**
1. Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.
 2. The thrust block shall be constructed such that bolts, nuts, and 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.

ANCHORED VALVE ASSEMBLY, S

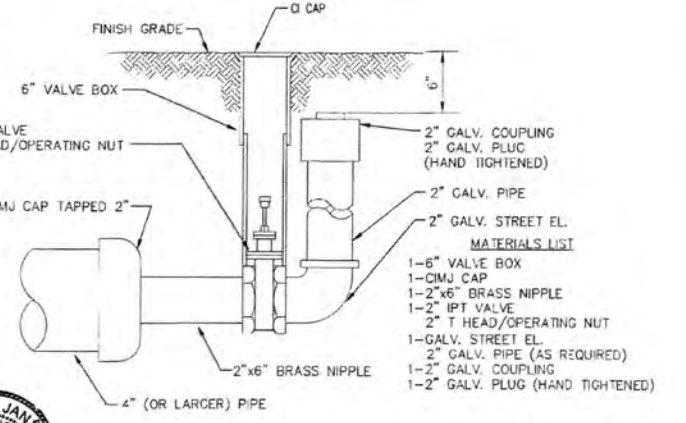


When the City of Wichita makes tap, blocking is to be done by Contractor

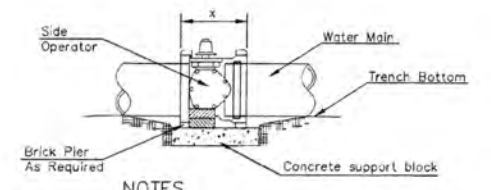


PROTECTIVE FILL DETAIL

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)



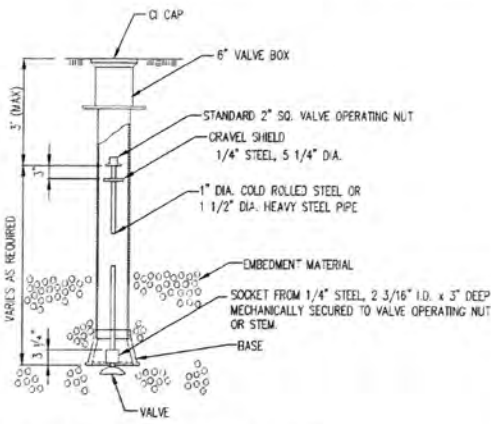
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NOTES

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 Stc. Specifications.
3. Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION



VALVE STEM EXTENSION DETAIL

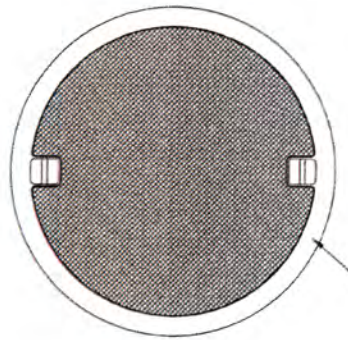
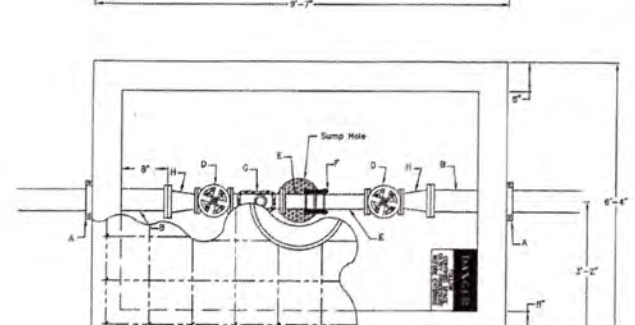
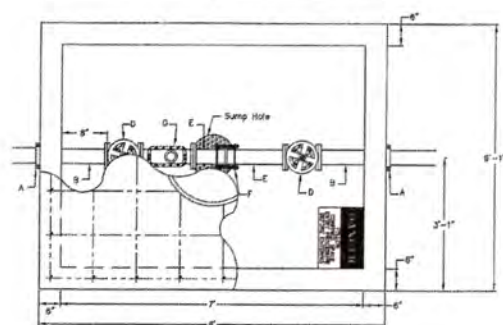
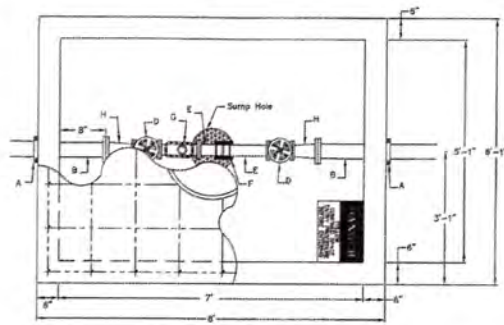
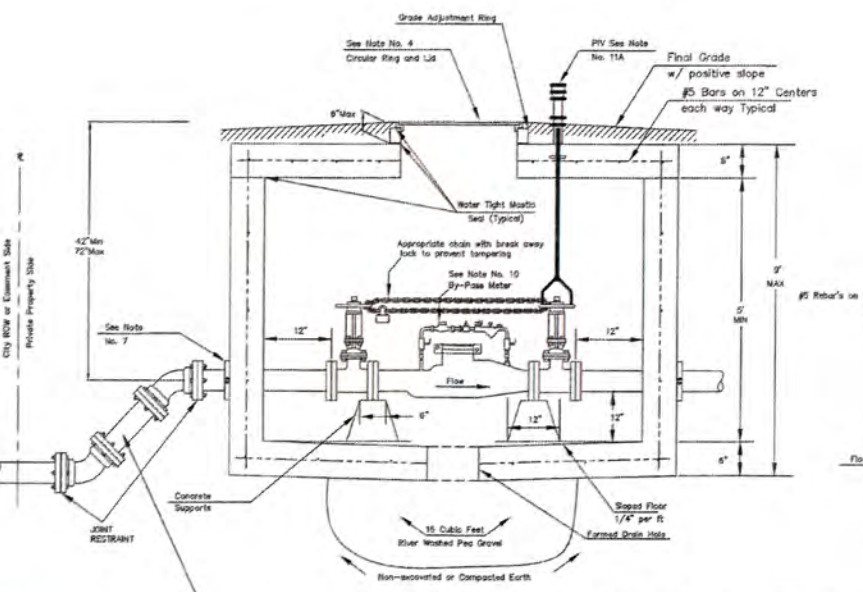
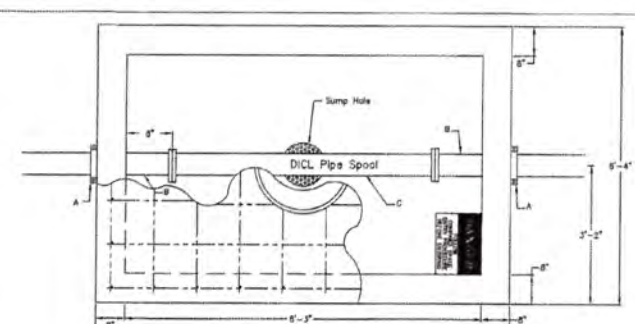
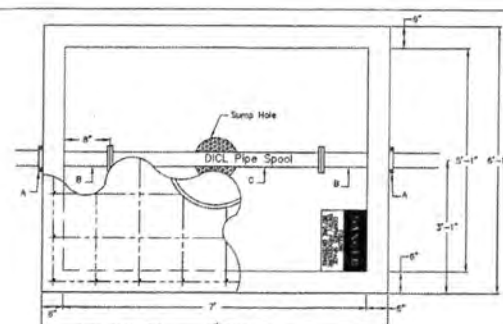
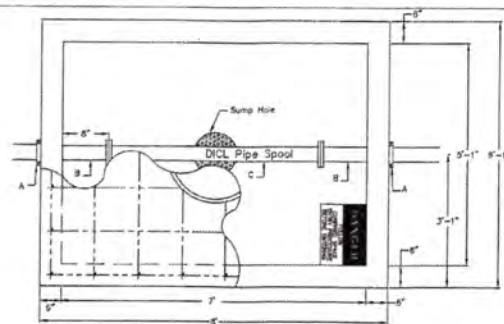
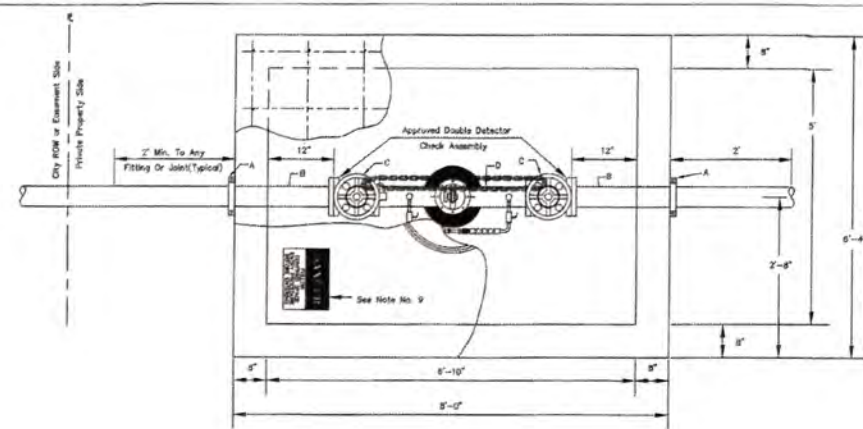
NOTE: ONE VALVE STEM EXTENSION FOR EACH VALVE BURIED GREATER THAN 5'.

AS-BUILT PLANS
CONTRACTOR: MCP GROUP/BUCK PLUMBING
3501 SW FAIRLAWN ROAD, TOPEKA, KS. 66614
PH.(316)794-8898
CONTRACTOR SUPERINTENDENT: TM ROBINSON
INSPECTOR: LANA WILSON/CED. ENGINEERING
COMPLETION DATE: 11/5/25
***BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.**



| STANDARD WATER ASSEMBLY DETAIL | | |
|--|------------|--------------------------------|
| CITY ENGINEER GARY JANZEN, P.E. | | |
| PROJECT NUMBER 2025-003851PPW | OCA NUMBER | DATE 05-07-2025 |
| CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501 | | SHEET 02 02 OF 12 |

REVISED: OCTOBER 2016



Use 45 degree fittings as necessary to keep depth of vault within 78 inch maximum. All fittings should be mega lug, restrained joint or approved equal. All fittings for vertical and horizontal adjustments are to be on private property.

4" thru 8" Fire Service

NOTE:
Domestic Services larger than 6" shall be custom designed by Consultant Engineer.

3" Domestic Service

4" Domestic Service

6" Domestic Service with 4" meter

- A - Mega Lug (See Note 7)**
- B - Min. 3'-8" Piece of FL x PE D.I.C.L. Pipe*
- C - Flange Gate Valve, Wheel Operated*
- D - Ames Model 3001SS or approved equal with metered (cubic foot) by-pass assembly**

- A - 4" Vault Clamp*
- B - Min. 3' Piece of 4" FL x PE D.I.C.L. Pipe*
- C - 4" D.I.C.L. Flanged Pipe Spool*
- D - 3" Flange Non-rising Stem Gate Wheel Valve**
- E - 3" FL x PE Pipe**
- F - 3" Flex Coupling**
- G - 3" Badger Recordall II Turbo Cubic Foot Meter with AMR Register with a ADE on the register.**
- H - 3" x 4" FL Reducer**

- A - 4" Vault Clamp*
- B - Min. 3' Piece of 4" FL x PE D.I.C.L. Pipe*
- C - 4" D.I.C.L. Flanged Pipe Spool*
- D - 4" Flange Non-rising Stem Gate Wheel Valve**
- E - 4" FL x PE Pipe**
- F - 4" Flex Coupling**
- G - 4" Badger Recordall II Turbo Cubic Foot Meter with AMR Register with a ADE on the register.**
- H - 3" x 4" FL Reducer**

- A - 6" Mega Lug (See Note 7)**
- B - Min. 3' Piece of 6" FL x PE D.I.C.L. Pipe*
- C - 6" D.I.C.L. Pipe Spool*
- D - 4" Flange Non-rising Stem Gate Wheel Valve**
- E - 4" FL x PE Pipe**
- F - 4" Flex Coupling**
- G - 4" Badger Recordall II Turbo Cubic Foot Meter with AMR Register with a ADE on the register.**
- H - 6" x 4" FL Reducer**

Notes For All Services - 3" thru 12":

1. When the standard vault dimensions are not applicable, such as when additional space is required for special pipe, fittings, additional meters, etc. the consultant design engineering shall design a vault with the required dimensions for Public Works and Utilities approval.
2. The vault shall be poured concrete, cement blocks (voids to be completely filled with 2500 P.S.I. concrete), or approved precast structure. The intent of these details shall not be limited by drawings or standards of precast structures.
3. Vault location to be determined by Public Works and Utilities prior to construction and approved by Department's field supervisor prior to installation. A final inspection will be required for acceptance. Vault location standards include but not limited to: not to be located where subjected to vehicular loads unless vault is H20 traffic rated, not to be located in any right-of-way or utility easement, and must be located on the property being served.
4. The manhole ring and lid shall be Neenah R-6034 Frame with Type "C" Solid Lid and Drop Down Handle or US Foundry APS-30x30 (Aluminum) or Deeter 1261 or EJ 1936z1 (with pick hole(s) as shown in Detail A). Where applicable the standard 10" Public Works and Utilities pattern meter reading lid and ring shall be located directly above water meter register. All joints of concrete to concrete or metal to concrete in the construction of the vault shall have an approved water tight mastic joint seal.

5. Any fittings or appurtenances required to achieve proper elevation of pipe through the vault shall be provided by the contractor and appropriately noted on the as-builts submitted by the inspecting engineer. Such fittings shall be a minimum of 2" from the exterior wall of vault.
6. For all domestic services larger than 3" the contractor shall provide an outlet flange connection as shown 8" from the inside wall. Inlet and outlet wall sleeves shall be provided and installed by the contractor and shall be in alignment with one another. The inlet and outlet pipe shall be ductile iron pipe, cement lined, Class 150 per Standard Specifications and shall be continuous through vault and joint no less than 2" from the exterior wall of vault. Flanges of inlet and outlet pipe shall be in proper alignment and bolt pattern shall be rotated in such a way that valves and other fittings shall be in their proper vertical alignment when installed.
7. For all services 4" and larger the contractor shall install a mega lug, restrained joint, or approved equal on the exterior walls of the vault, which shall be manufactured of ductile iron conforming ASTM A 536-80, heat treated to a minimum hardness of 370 BHN and have a working pressure of at least 250 P.S.I. For a services smaller than 4" the contractor shall install an approved vault clamp on the exterior walls of the vault.
8. All valves, meters, assemblies and fitting shall be provided with sufficient concrete or other approved supports to the vault floor.
9. The "Confined Space Warning" sign shall be fastened to the top of all vaults. If necessary for landscaping or site consideration, the sign may be fastened to the vault lid if it does not impede access to the handle. Acceptable materials: Aluminum 73415HH, Plastic 73439HH or S.A. Vinyl 73463HH.

NOTE:
INSPECTOR FROM PUBLIC WORKS AND UTILITIES TO BE CONTACTED 24 HOURS PRIOR TO INSTALLATION TO SET VAULT
CONTACT: 316-219-8928 OR 316-219-8929



AS-BUILT PLANS
CONTRACTOR: MCP.GROUP/BUCK.PLUMBING
3501 SW FAIRLAWN ROAD, TOPEKA, KS, 66614
PH.(316)794-8898
CONTRACTOR SUPERINTENDENT: TM ROBINSON
INSPECTOR: LANA WILSON/CED. ENGINEERING
COMPLETION DATE: 11/5/25
*BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.



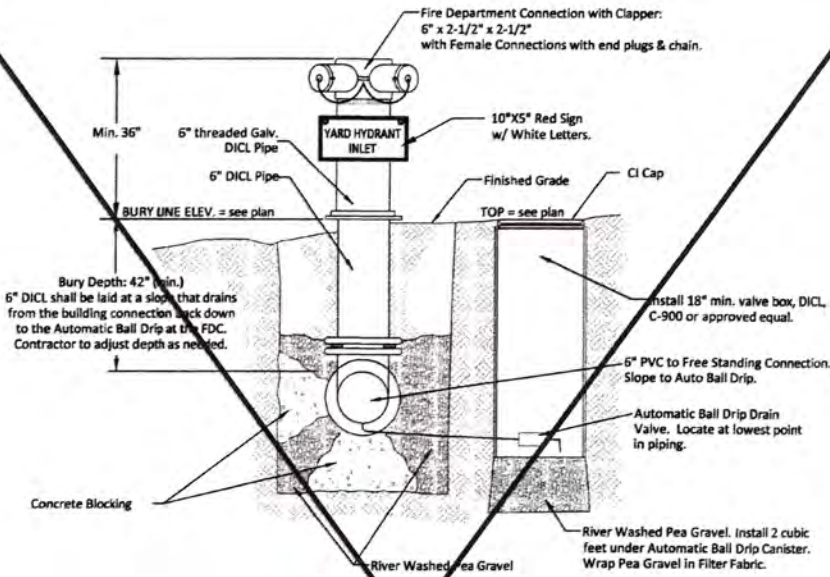
STANDARD VAULT DETAILS & METER ASSEMBLIES

| | | |
|--|------------|--------------------------------|
| CITY ENGINEER PAUL GUNZELMAN, P.E. | | |
| PROJECT NUMBER 2025-003851PPW | OCA NUMBER | DATE 05-07-2025 |
| CITY ENGINEER'S OFFICE CITY HALL - 7TH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501 | | SHEET 03 03 OF 12 |

REVISED: SEPTEMBER 2016

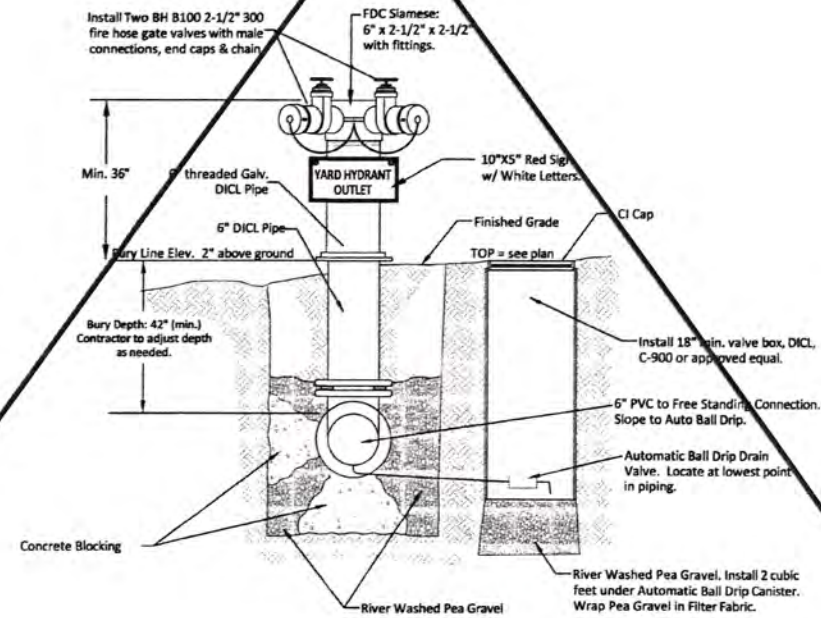
FREE STANDING YARD HYDRANT (also called Dry Fire Line)

Inlet and Outlet to be used together to provide fire hydrant coverage on the far side of a building.



1 FREE STANDING YARD HYDRANT INLET
NOT TO SCALE

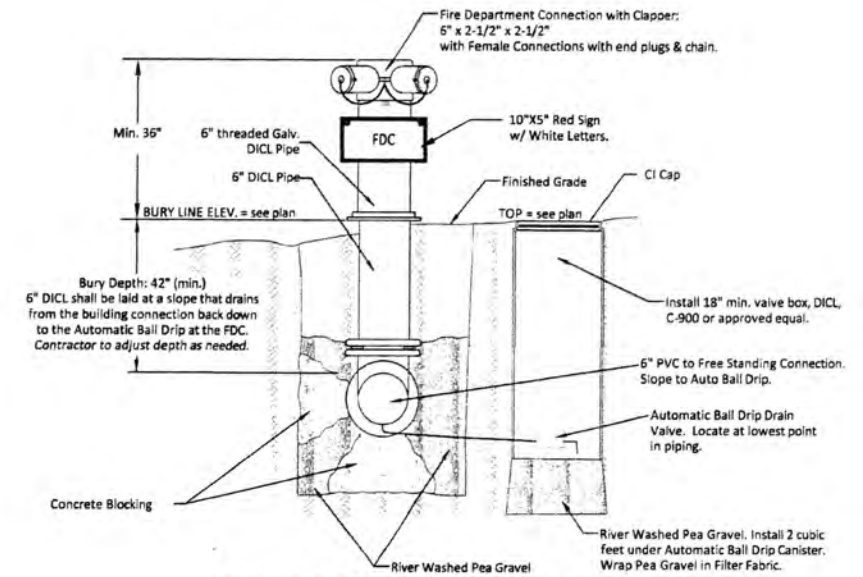
To be located within 150' of a Fire Hydrant



2 FREE STANDING YARD HYDRANT OUTLET
NOT TO SCALE

REMOTE FIRE DEPARTMENT CONNECTION

Same construction as Free Standing Yard Hydrant Inlet, with different sign. Used to boost interior sprinkler systems.



REMOTE FIRE DEPARTMENT CONNECTION
NOT TO SCALE

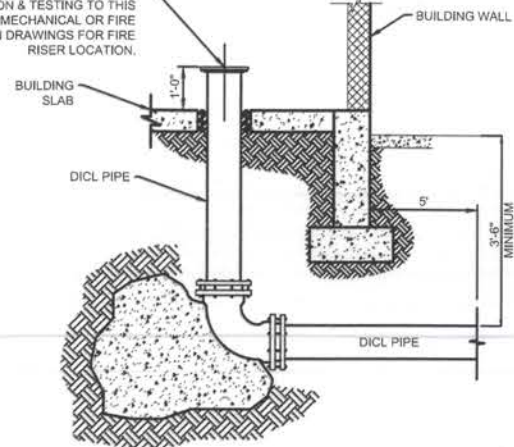
To be located within 150' of a Fire Hydrant

AS-BUILT PLANS
 CONTRACTOR: MCP GROUP/BUCK PLUMBING
 3501 SW FAIRLAWN ROAD, TOPEKA, KS, 66614
 PH.(316)794-8898
 CONTRACTOR SUPERINTENDENT: TM ROBINSON
 INSPECTOR: LANA WILSON/CED. ENGINEERING
 COMPLETION DATE: 11/5/25
 *BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.



| FREE STANDING YARD HYDRANT AND REMOTE FDC DETAIL | | |
|--|------------|----------------|
| CITY ENGINEER | | |
| GARY JANZEN, P.E. | | |
| PROJECT NUMBER | OCA NUMBER | DATE |
| 2025-003851PPW | | SEPTEMBER 2019 |
| CITY ENGINEER'S OFFICE | | SHEET |
| CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501 | | 05 |
| | | 05 OF 12 |

INSTALL FLANGE, SITE UTILITY CONTRACTOR RESPONSIBLE FOR INSTALLATION & TESTING TO THIS POINT. REFER TO MECHANICAL OR FIRE PROTECTION DRAWINGS FOR FIRE RISER LOCATION.



1 FIRE PROTECTION AT BUILDING (TYP.)

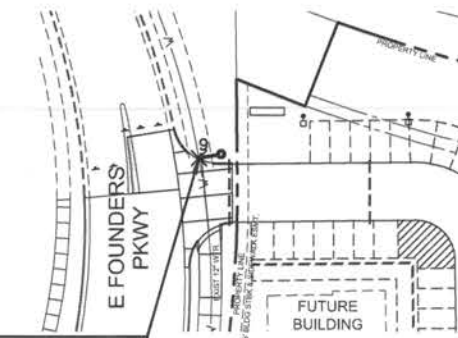
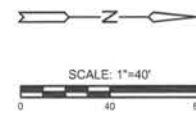
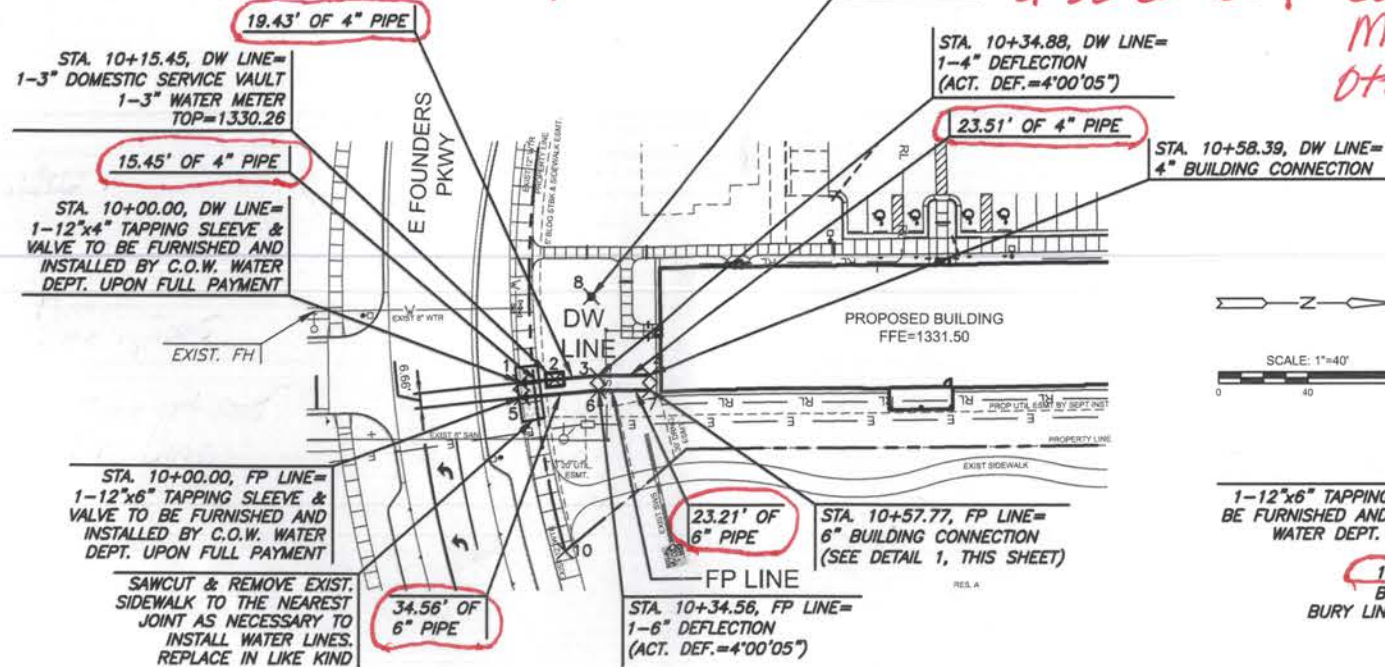
SCALE: NTS

- NOTE:
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WATER LINE PRIOR TO CONSTRUCTION.
 - DOMESTIC LINE AND FIRE PROTECTION LINE MUST BE INSTALLED IN SEPARATE TRENCHES PER KDHE REQUIREMENTS.

Domestic 3"
 Tap-5' E of & Sunset Dr
 39' N of & Founders Pkwy
 10' W + 41'S of SE Cor Bldg

Domestic 3"
 Valve 40.5' N & Founders Pkwy
 5' E & Sunset Dr
 10' W + 62.5'S of SE Cor Bldg

58.39 LF 4" DIP
 62.77 LF 6" DIP
 Contractor - Buck Plumbing
 MC Wane - Ductile Pipe 6"
 Ottawa Fabrication - DIP - 4"



Fire Line Tap
 10' E & Sunset Dr
 38.67' N & Founders Pkwy

Fire Line Valve
 40.17' N & Founders Pkwy
 10' E & Sunset Drive

Domestic Vault
 52.5' N & Founders Pkwy
 7' E & Sunset Dr
 49' S of S Face of Bldg
 5.5' W of E Face of Bldg

PLAN FP LINE
 PROFILE FP LINE

| Station | Elevation | Notes |
|---------|-----------|-------------------------------|
| 1355 | | 12"x6" TAPPING SLEEVE & VALVE |
| 1350 | | BUILDING CONNECTION |
| 1345 | | |
| 1340 | | |
| 1335 | | |
| 1330 | | EXISTING GROUND |
| 1325 | | |
| 1320 | | PROP. SAN. SWR FL=1322.31 |
| 1315 | | 6" PIPE @ 0.76% |
| 1310 | | |
| 1305 | | |

PLAN DW LINE
 PROFILE DW LINE

| Station | Elevation | Notes |
|---------|-----------|-------------------------------|
| 1350 | | 12"x4" TAPPING SLEEVE & VALVE |
| 1345 | | 3" DOMESTIC SERVICE VAULT |
| 1340 | | BUILDING CONNECTION |
| 1335 | | |
| 1330 | | EXISTING GROUND |
| 1325 | | |
| 1320 | | 4" PIPE @ 0.00% |
| 1315 | | 4" PIPE @ 1.37% |
| 1310 | | |
| 1305 | | |

WATER POINTS

| Point # | Northing | Easting | Desc. |
|---------|------------|------------|-----------|
| 1 | 1685212.33 | 1708745.09 | TAP |
| 2 | 1685227.71 | 1708743.65 | VAULT |
| 3 | 1685247.06 | 1708741.85 | DEFLECT. |
| 4 | 1685270.56 | 1708741.31 | BLDG. |
| 5 | 1685213.04 | 1708751.72 | TAP |
| 6 | 1685247.45 | 1708748.50 | DEFLECT. |
| 7 | 1685270.65 | 1708747.97 | BLDG. |
| 8 | 1685244.16 | 1708706.25 | FDC |
| 9 | 1685233.54 | 1708420.88 | FH |
| 10 | 1685232.46 | 1708820.69 | PROP. CNR |

AS-BUILT PLANS
 CONTRACTOR: MCP GROUP/BUCK PLUMBING
 3501 SW FAIRLAWN ROAD, TOPEKA, KS, 66614
 PH (316) 794-8898
 CONTRACTOR SUPERINTENDENT: TM ROBINSON
 INSPECTOR: LANA WILSON/CED. ENGINEERING
 COMPLETION DATE: 11/5/25
 *BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.

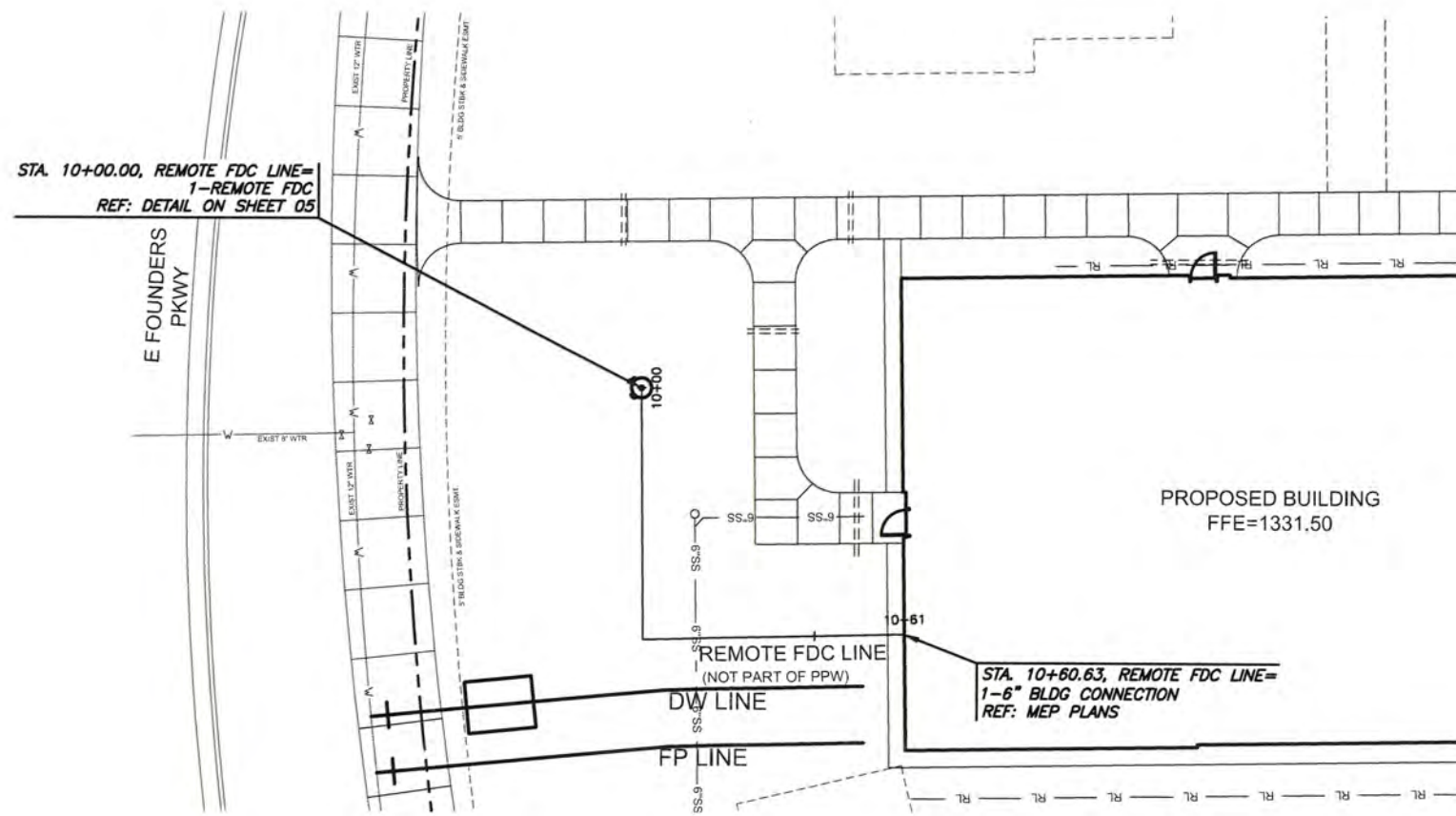


PRIVATE WATER DISTRIBUTION PLANS FOR
ANDOVER SENIOR LIVING
 ANDOVER, KANSAS

FP & DW LINES

| | | |
|-------------------------|----------------|---------|
| PROJECT NO. | 2025-003851PPW | |
| SCALE | 1"=40' | |
| DRAWN | DESIGNED | CHECKED |
| BJL | TMBB | SPE |
| ISSUED FOR CONSTRUCTION | 08/07/2024 | |
| NO. | REVISION | DATE |
| | | |
| SHEET NO. | CU101 | |
| | 06 OF 12 | |

NOT INSPECTED BY CED



AS-BUILT PLANS
 CONTRACTOR: MCP GROUP/BUCK PLUMBING
 3501 SW FAIRLAWN ROAD, TOPEKA, KS, 66614
 PH.(316)794-8898
 CONTRACTOR SUPERINTENDENT: TM ROBINSON
 INSPECTOR: LANA WILSON/CED. ENGINEERING
 COMPLETION DATE: 11/5/25
 *BUILT IN GENERAL CONFORMANCE TO PLANS AND SPECIFICATIONS EXCEPT WHERE NOTED.

NOTE:
 THIS SHEET IS PROVIDED FOR REFERENCE ONLY. IT IS ONLY INCLUDED TO SHOW THE GENERAL LOCATION OF THE REMOTE FIRE DEPARTMENT CONNECTION AND IT IS NO WAY PART OF THE BUILDING FIRE SUPPRESSION SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE FIRE SUPPRESSION SYSTEM PER THE AJH REQUIREMENTS AND FIRE SUPPRESSION SYSTEM SPECIFICATION.



PRIVATE WATER DISTRIBUTION PLANS FOR
ANDOVER SENIOR LIVING
 ANDOVER, KANSAS

FDC ALIGNMENT

PROJECT NO. 2025-003851PPW
 SCALE 1"=10'

| | | |
|-------|----------|---------|
| DRAWN | DESIGNED | CHECKED |
| BJL | TMBB | SPE |

| NO. | REVISION | DATE |
|-----|----------|------|
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SHEET NO. CU102
 07 OF 12

I:\PROJECTS\2025\24010\0831_LGR_WICHITA_SENIOR_LIVING\2025_003851_PPW\CAD\SETUP\CIVIL\WTRCU102W.DWG
 10/17/25 10:00 AM
 10/17/25 10:00 AM