

GENERAL NOTES:

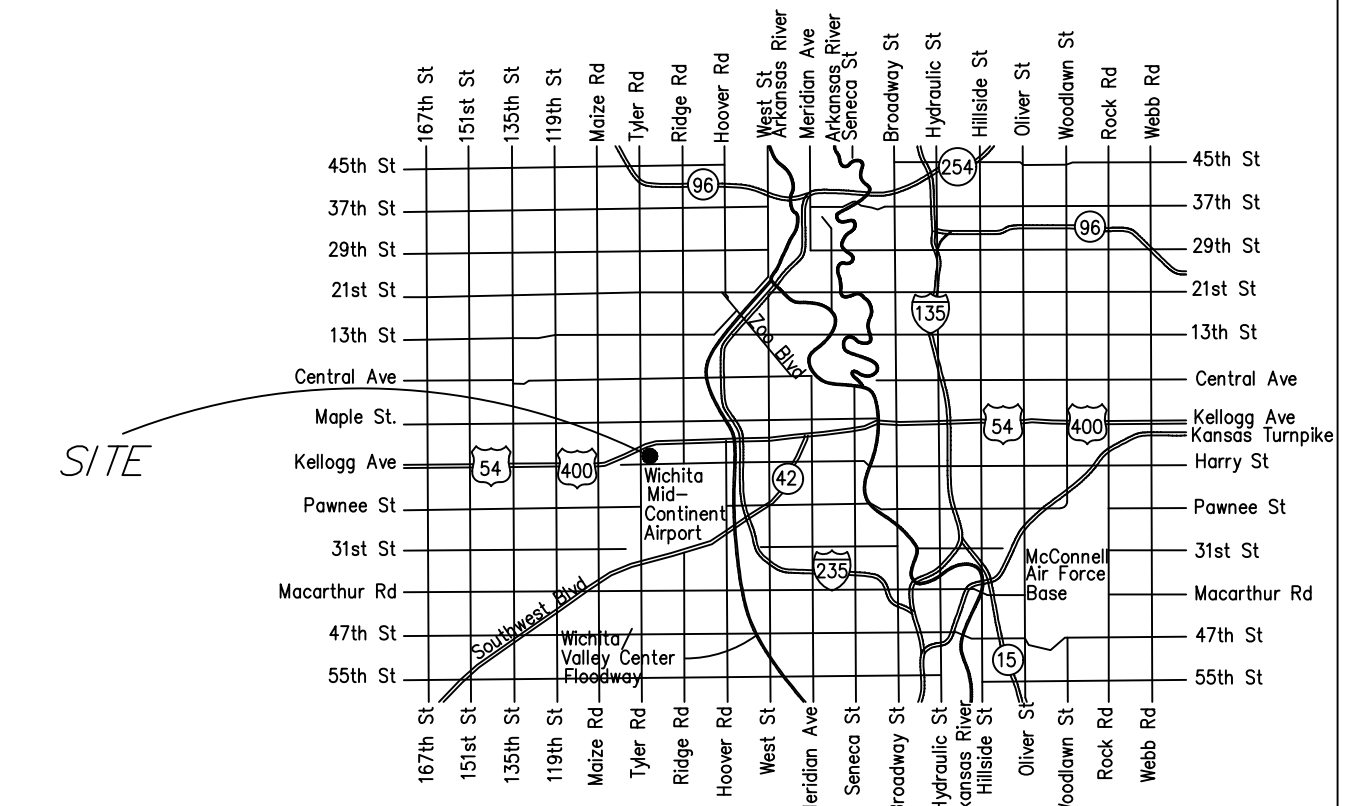
- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, 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
Westor Energy 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 abutting 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 consultant 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 work on this project can commence.
- 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 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 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 of 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.
- Fire Line inspections may be scheduled by calling 316-650-0740
- 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 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 edge-to-edge, at the closest point.

FIRE LINE to serve Sharpline Converting 1520 S TYLER RD CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number
PPW - 2022 - 009799
Org Code: 54030980

put in per plans



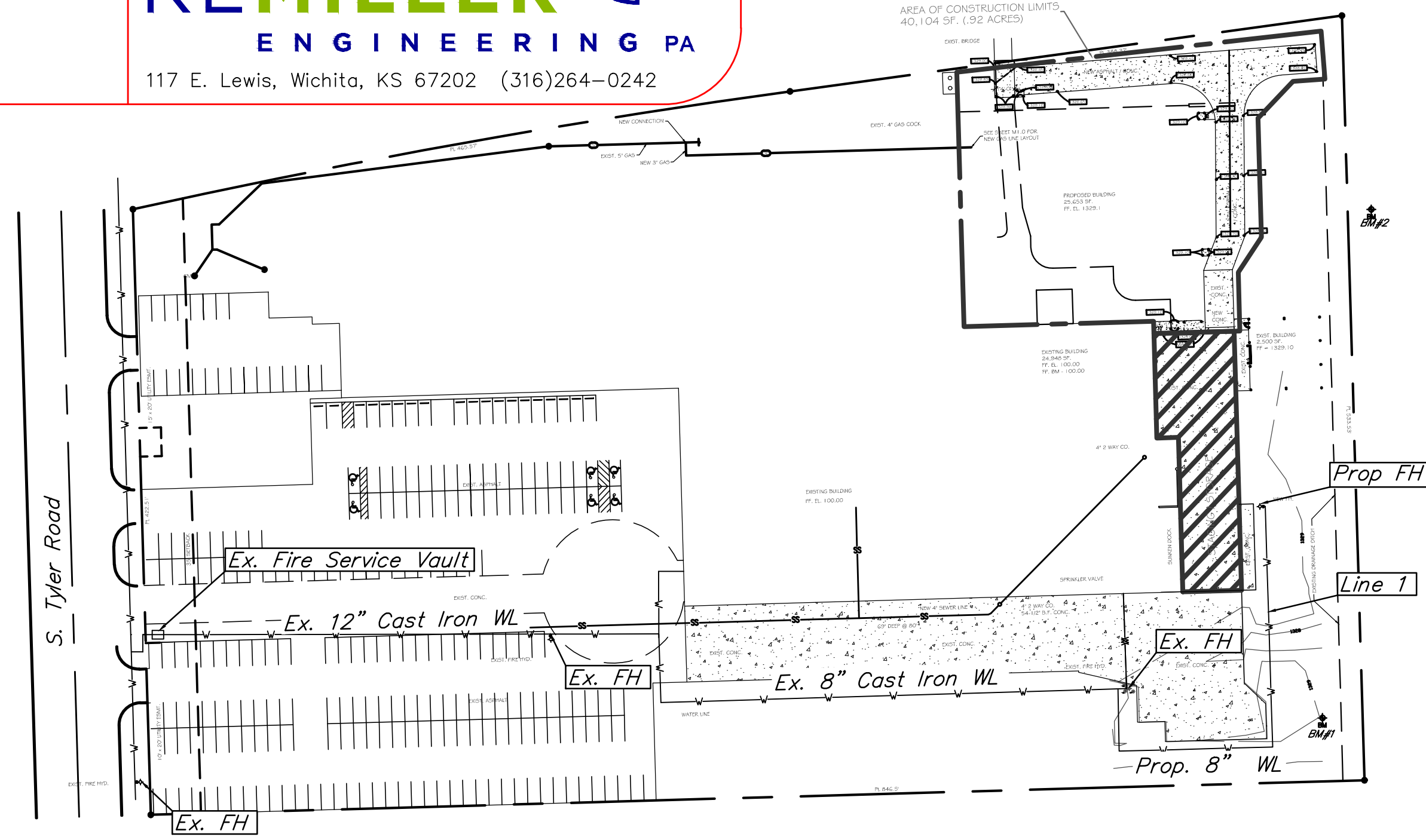
Vicinity Map

Sheet Index

- Title Sheet
- Std Water Ass'y Detail
- Misc. Water Detail
- Standard Vault Detail
- Plan and Profile
- 4.1-4.5 Erosion Control Details
- Plat (For Reference Only)

AS BUILTS

Contractor: McCullough Excavation 5/25/2022	Project Inspector: Larry Gann KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242
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APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

Engineering	approved by Shawn Mellies on this day the 13th of April, 2022
Utilities	approved by Greg Lolley on this day the 13th of April, 2022
Fire Dept.	approved by Jose Ocaziz on this day the 13th of April, 2022

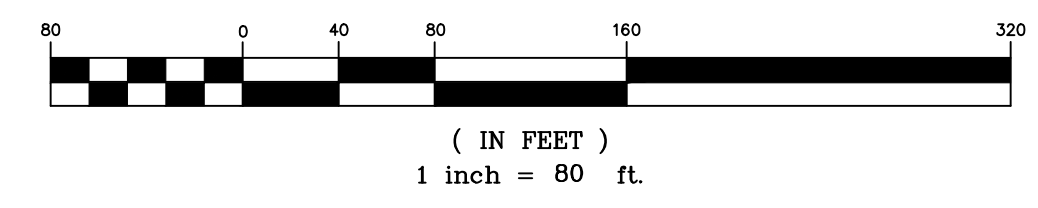
NOTE TO CONTRACTORS
Public Property:
Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified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

Benchmarks

- BM#1:
1/2" Rebar Located approx. 90 feet South and approx. 110 feet East of Southeast corner of Existing Building Elev. = 1328.97 (NAVD 88)
- BM#2:
1/2" Rebar Located approx. 147 feet East and approx. 267 feet North of Southeast corner of Existing Building Elev. = 1328.65 (NAVD 88)

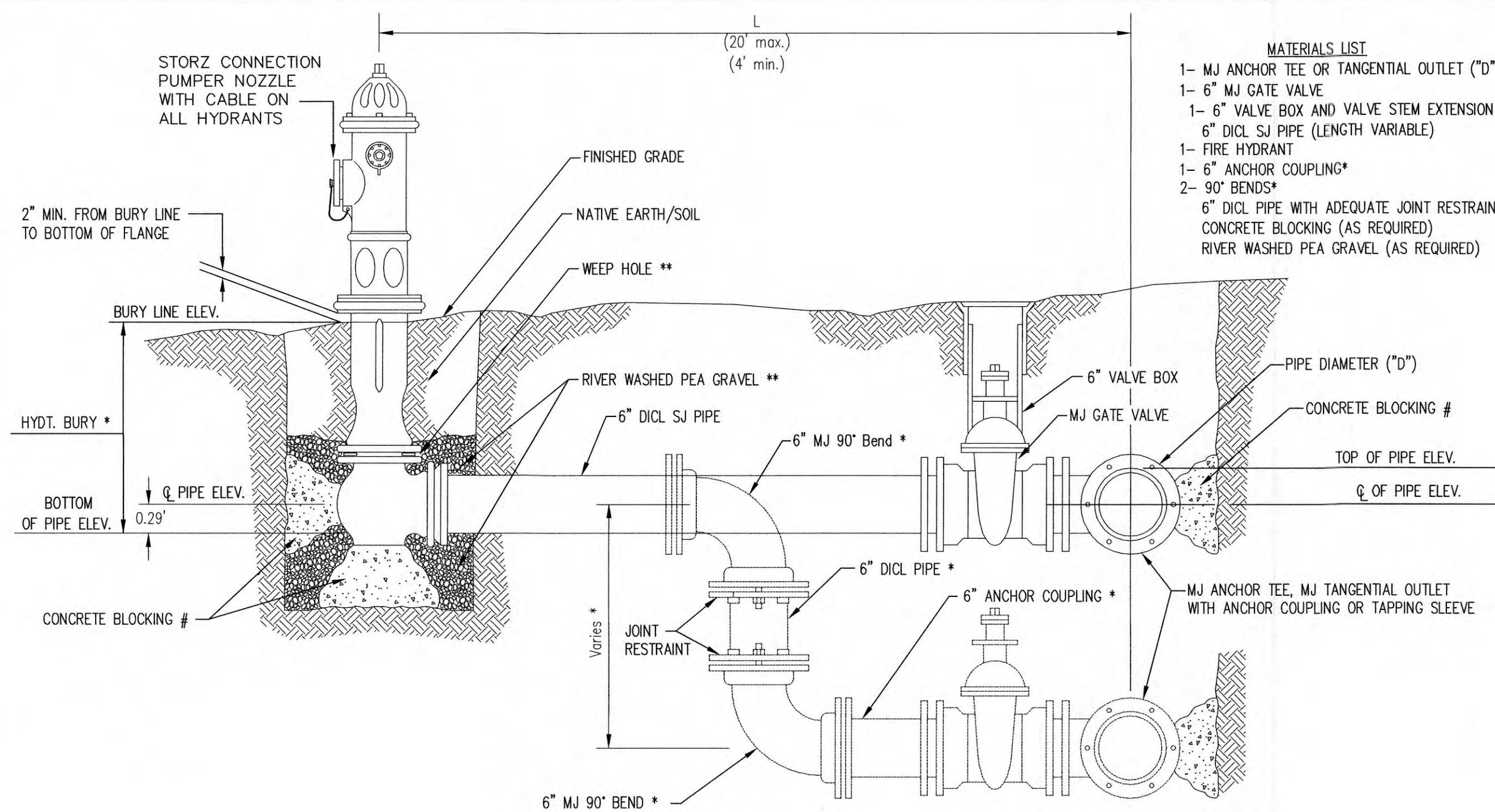


THIS SHEET HAS BEEN
SIGNED, SEALED AND
DATED DIGITALLY



February, 2022

KEMILLER
ENGINEERING PA
117 E. Lewis, Wichita, KS 67202 (316)264-0242



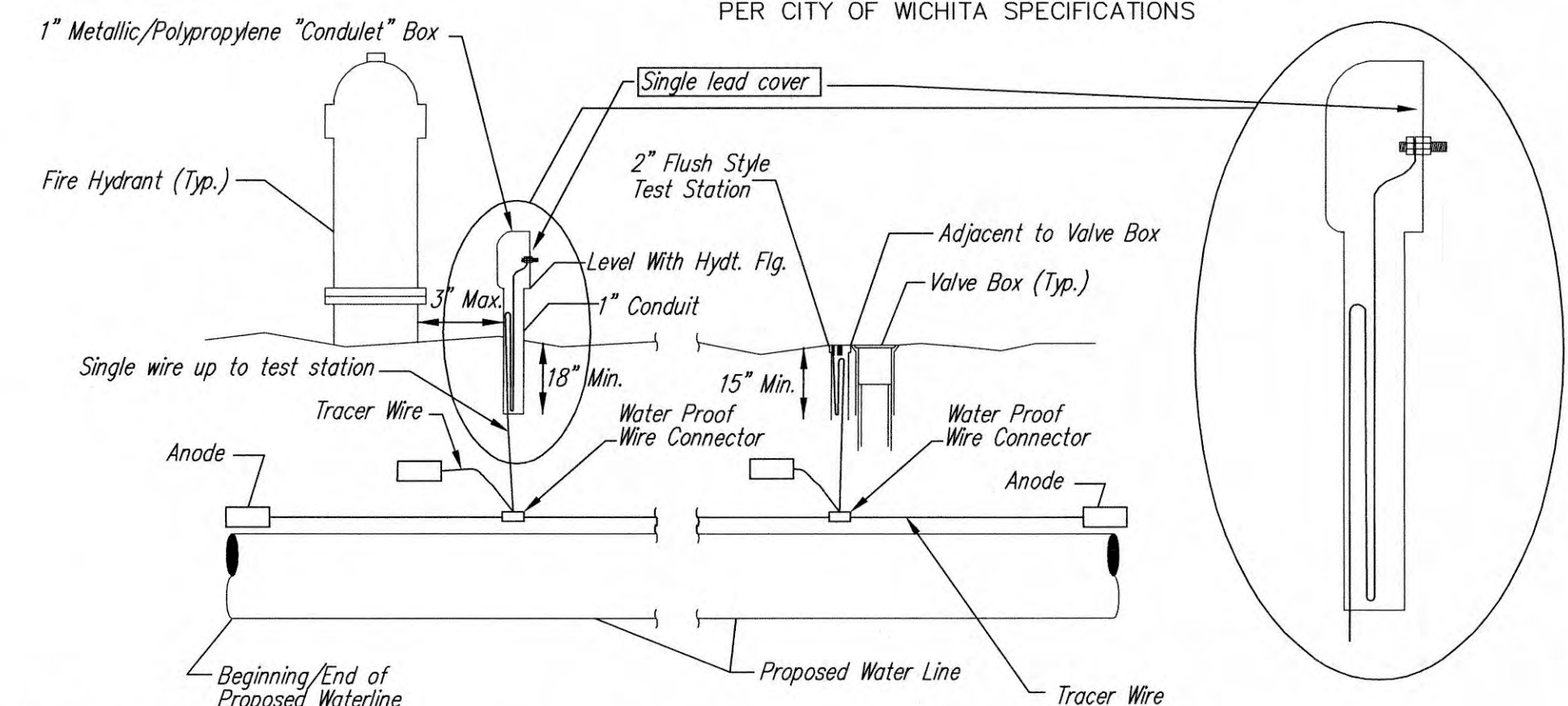
- MATERIALS LIST**
- 1- MJ ANCHOR TEE OR TANGENTIAL OUTLET ("D"x 6")
 - 1- 6" MJ GATE VALVE
 - 1- 6" VALVE BOX AND VALVE STEM EXTENSION IF REQUIRED *
 - 6" DI CL SJ PIPE (LENGTH VARIABLE)
 - 1- FIRE HYDRANT
 - 1- 6" ANCHOR COUPLING*
 - 2- 90° BENDS*
 - 6" DI CL PIPE WITH ADEQUATE JOINT RESTRAINT *
 -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

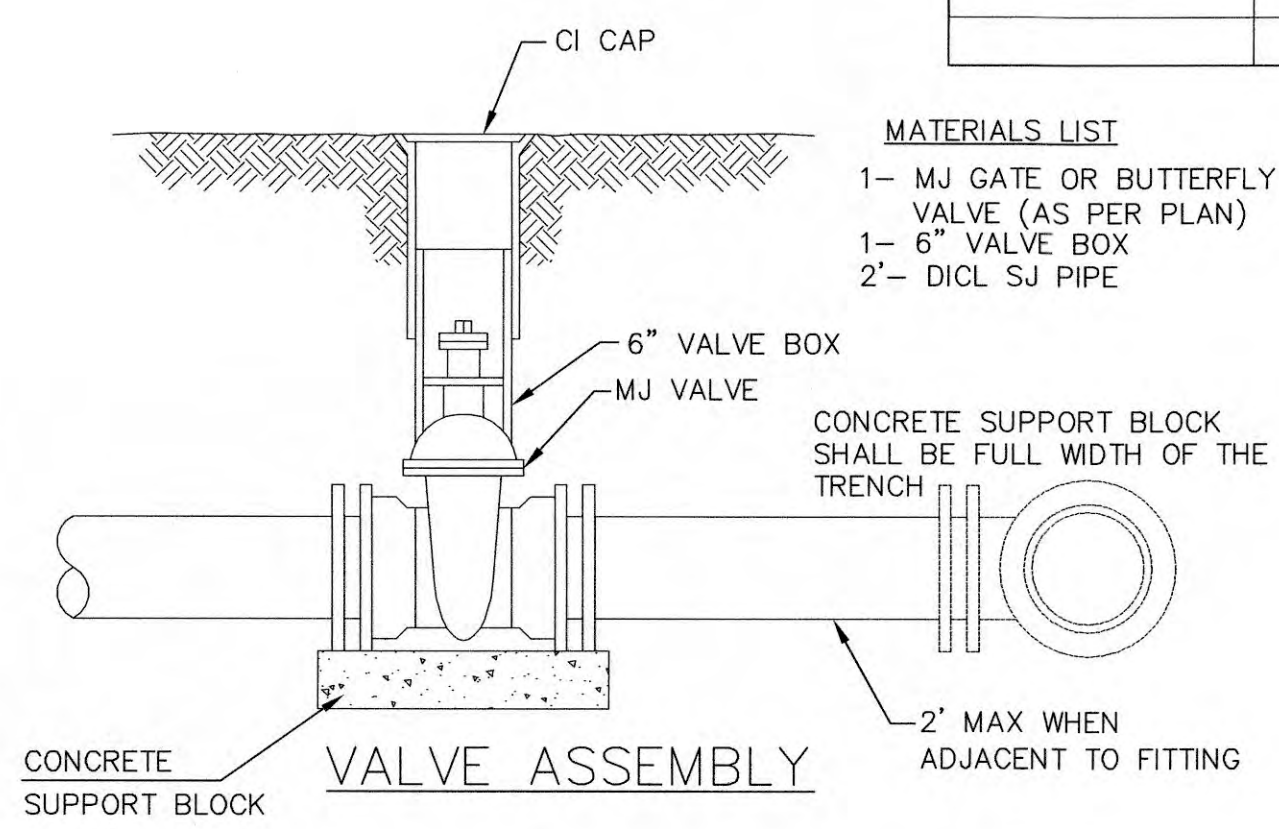
WIRE
The tracer wire shall be Blue No. 12 AWG CCS with 45 mil HDPE insulation. To allow for grade adjustment, a minimum of 12" of excess wire shall be coiled at the bottom of the test station for all wires. Wire connectors shall be installed per manufacturer recommendations. Contractor shall attach wire 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" "condulet" 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 # T2PH/B1LP 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.

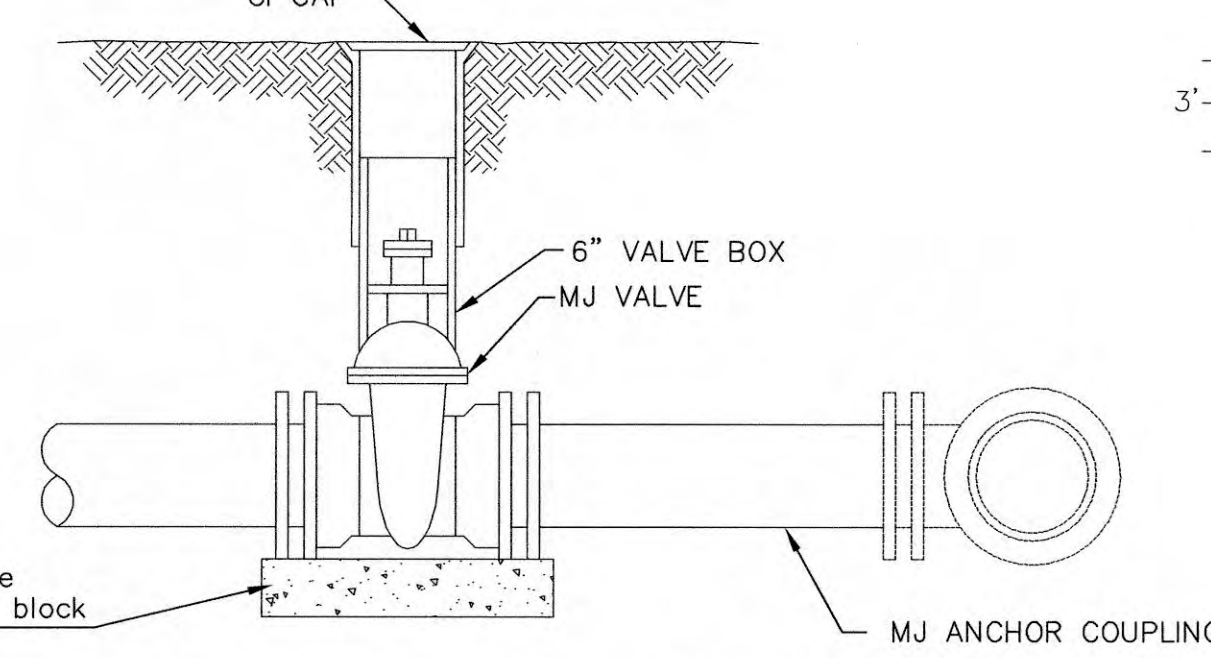
ANODES
The anodes shall be 3 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to 12 AWG CCS which shall be extended to the test station.

TRACER WIRE DETAIL
COST IS SUBSIDIARY TO PIPE INSTALLATION

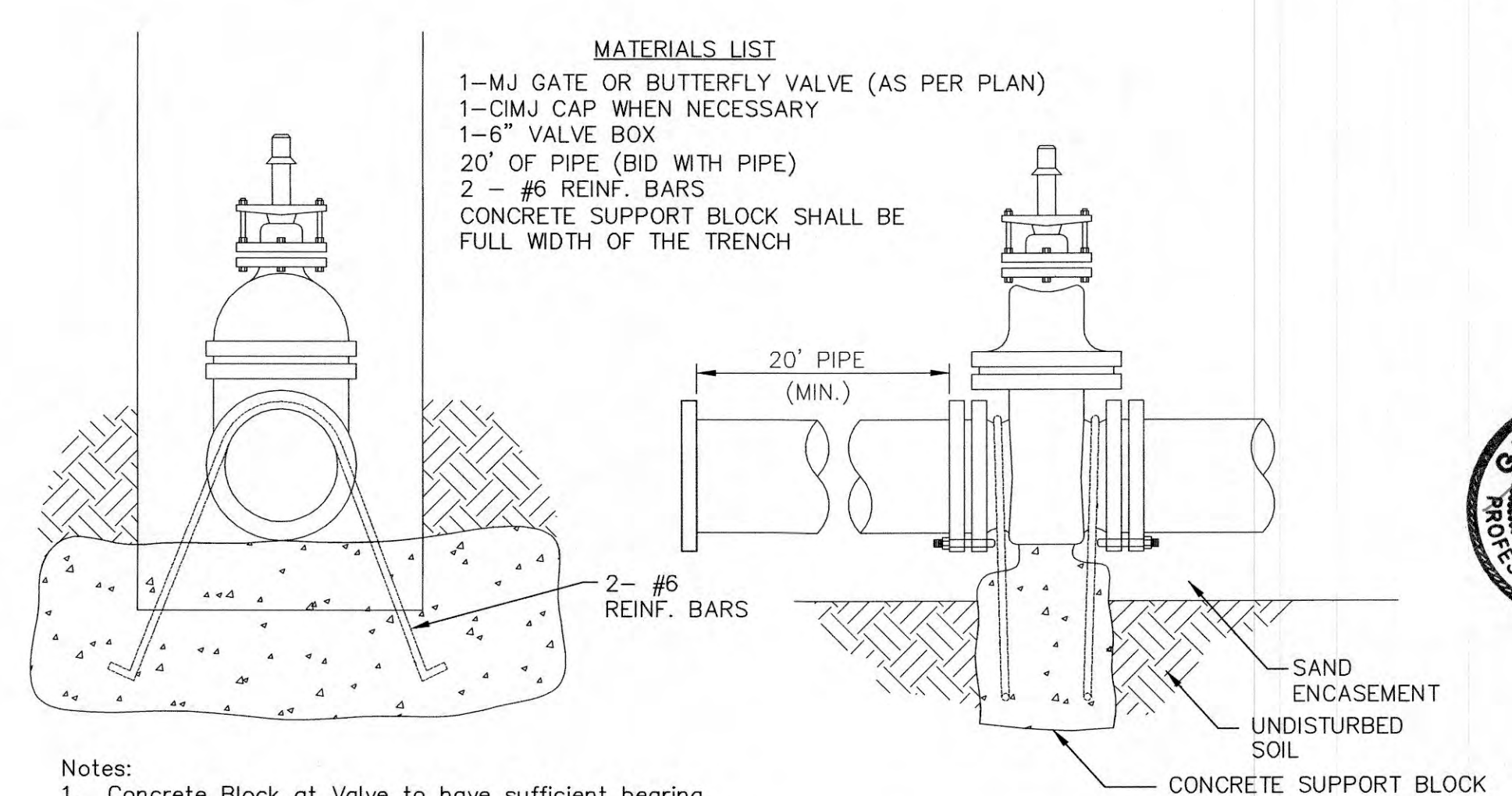
FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
3+18.36	1329.40	1325.10	5.0'	N/A



- 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



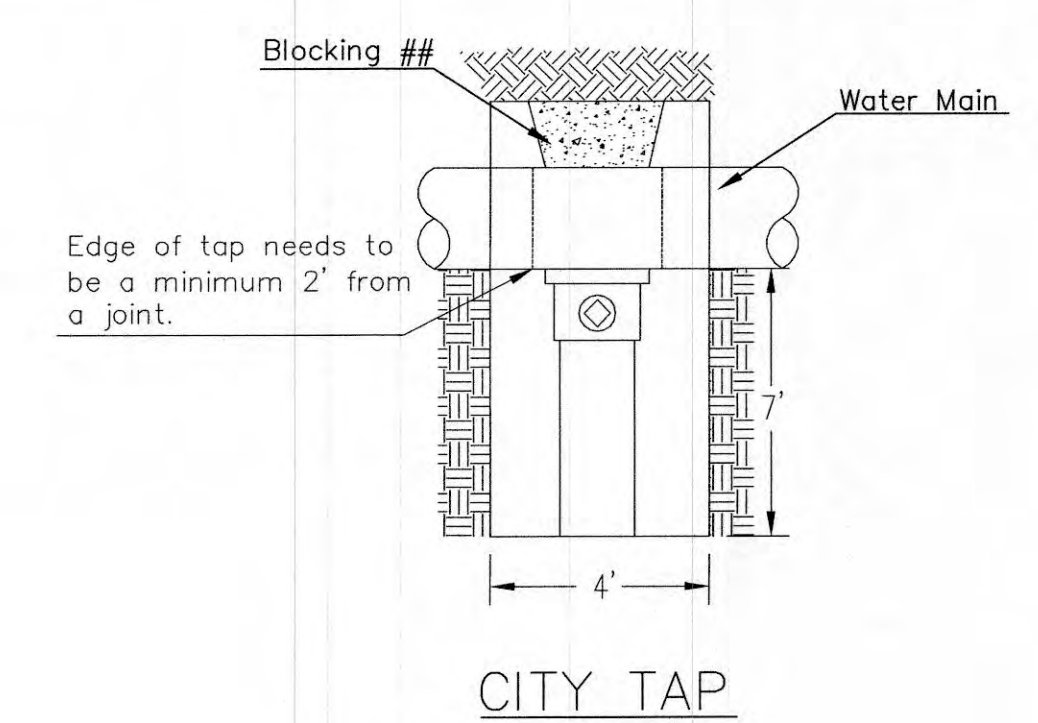
ANCHORED VALVE ASSEMBLY



- Notes:**
- 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.

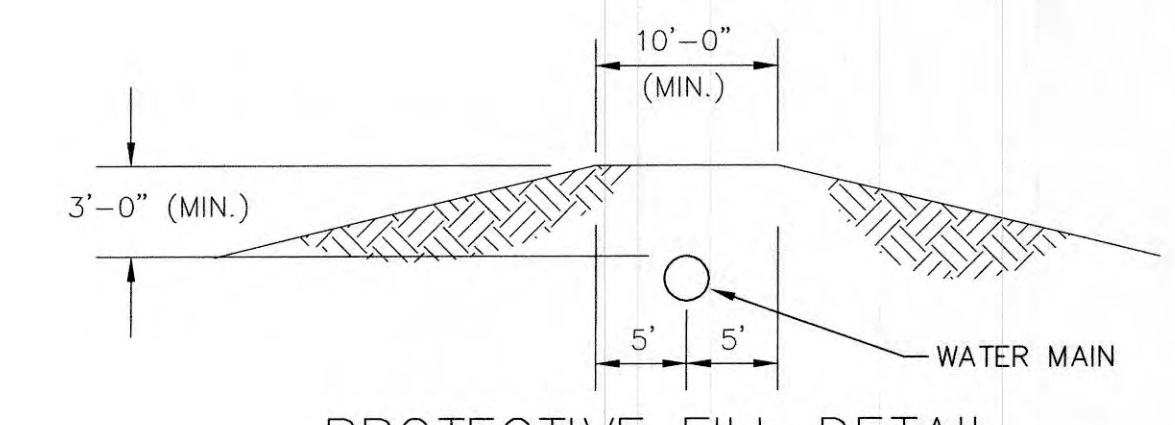
THRUST AT VALVES	
VALVE	THRUST AT 150 #/sq2
4"	1809 lbs.
6"	4245 lbs.
8"	7540 lbs.
12"	16965 lbs.

ANCHORED VALVE ASSEMBLY, SPECIAL



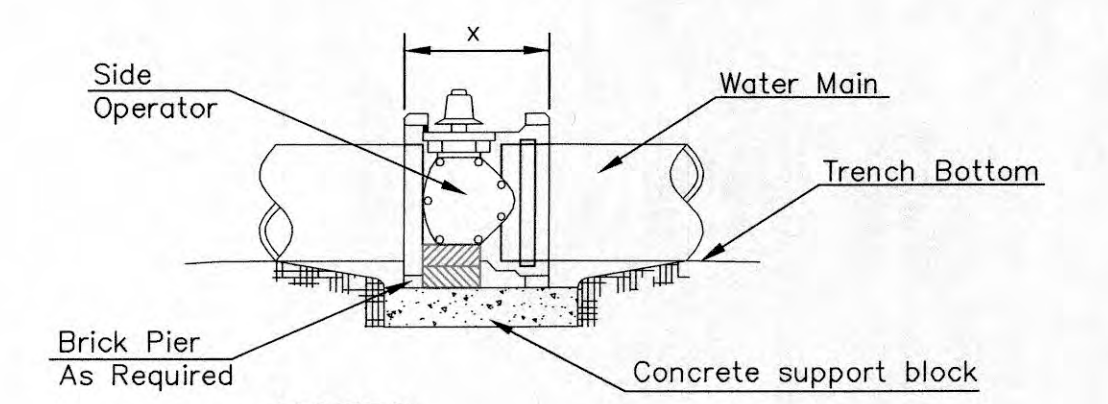
CITY TAP

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



PROTECTIVE FILL DETAIL

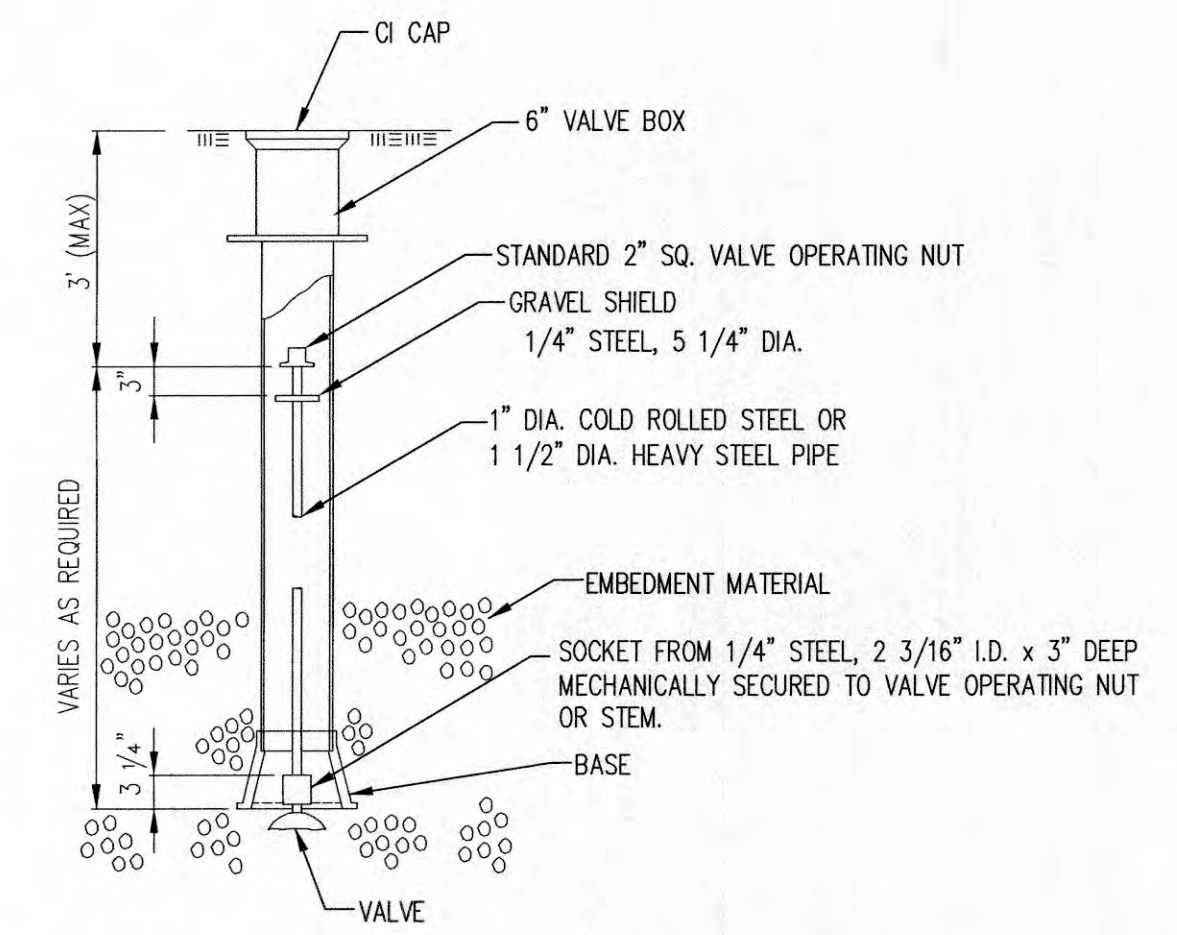
MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN 3'. (COST SUBSIDIARY TO PIPE INSTALLATION)



NOTES

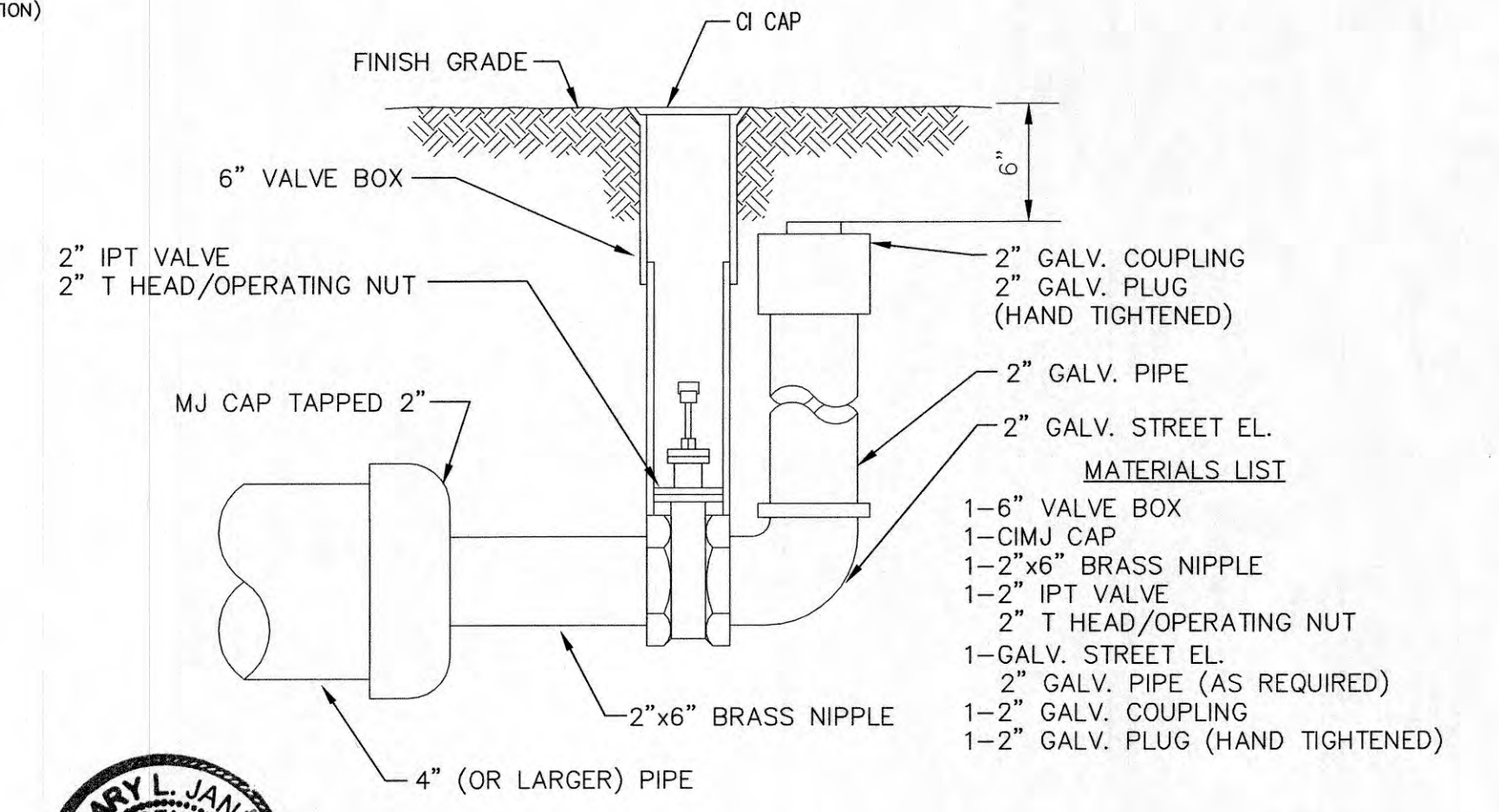
- This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
- 6" Valve Box and Cover required per City of Wichita Std. Specifications.
- Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION



VALVE STEM EXTENSION DETAIL

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



2" BLOWOFF ASSEMBLY



CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STANDARD WATER ASSEMBLY DETAIL		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 2.1

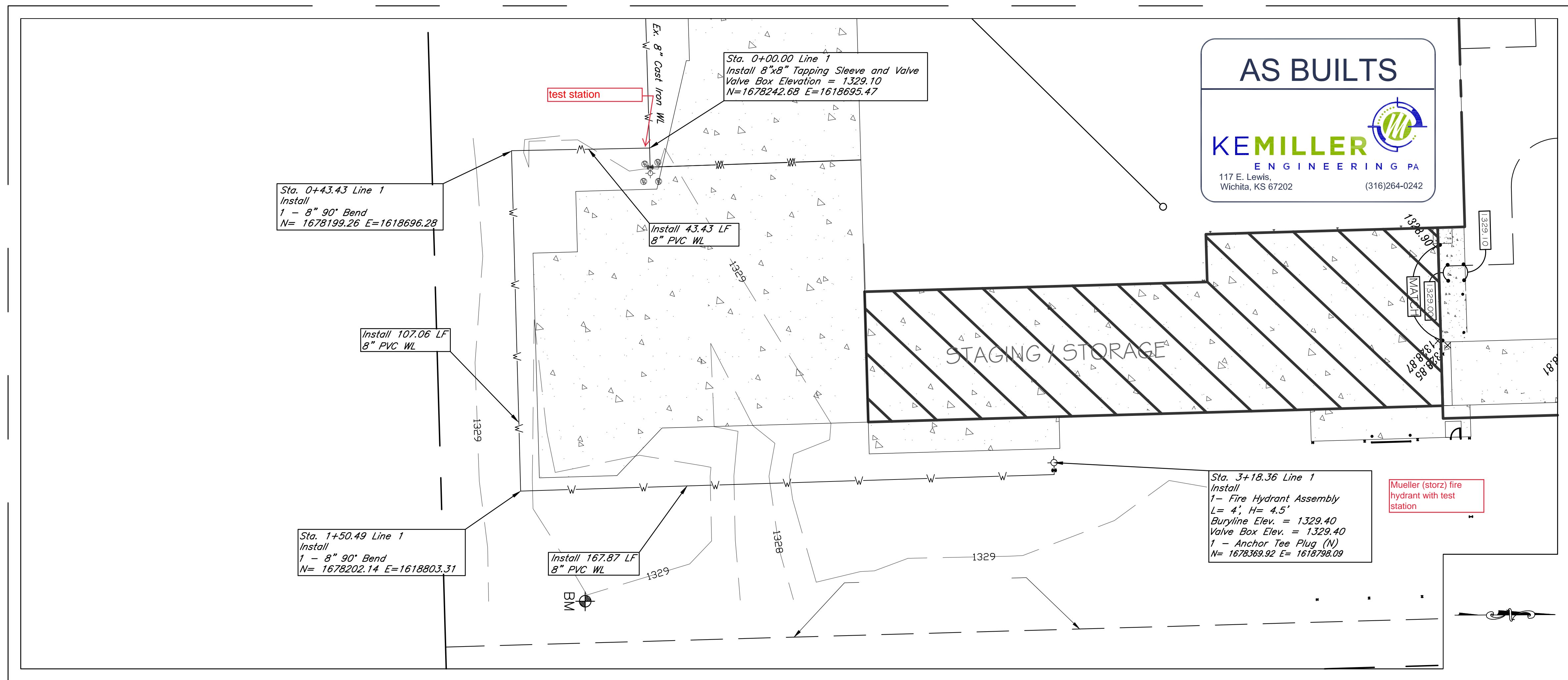
REVISED: OCTOBER 2016

AS BUILTS

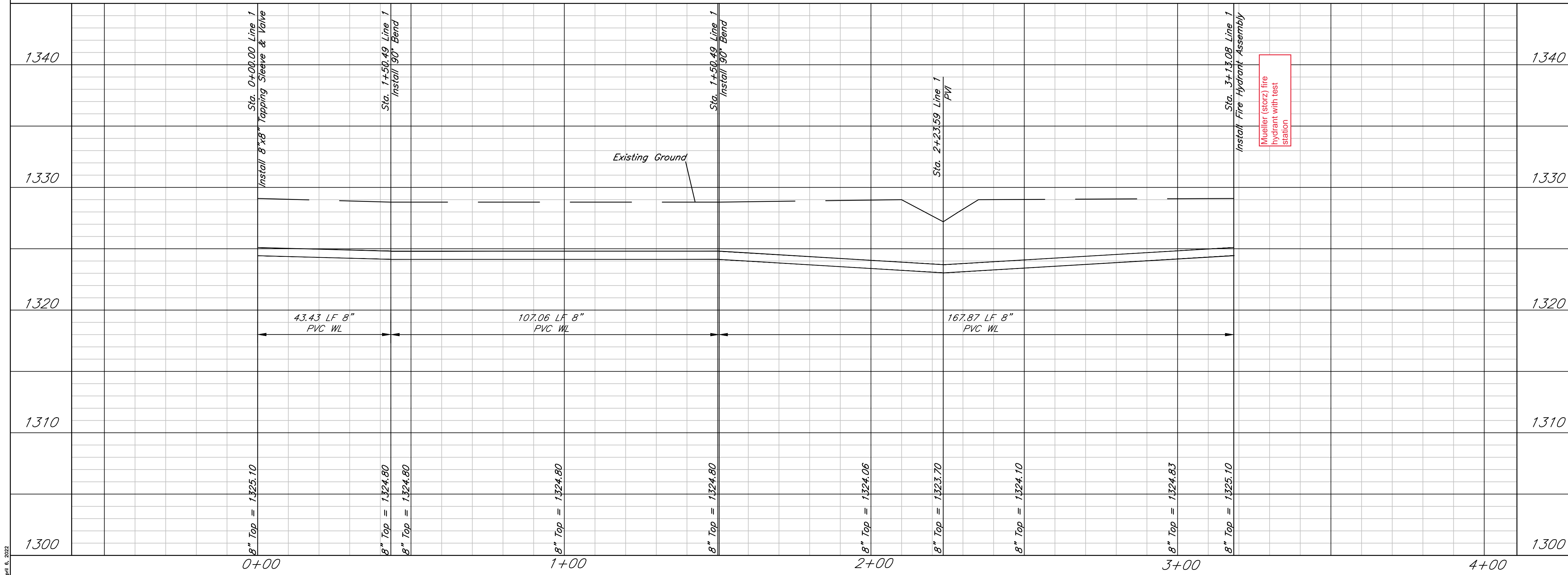
KEMILLER ENGINEERING PA

117 E. Lewis, Wichita, KS 67202 (316)264-0242

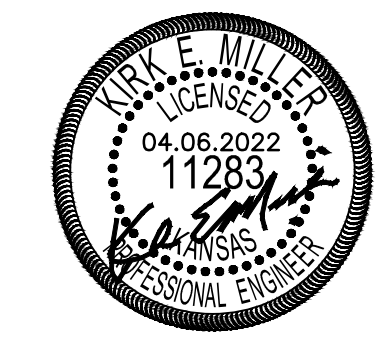
Mueller (storz) fire hydrant
 pro-trace wire
 Northern Products
 C-900
 star fittings



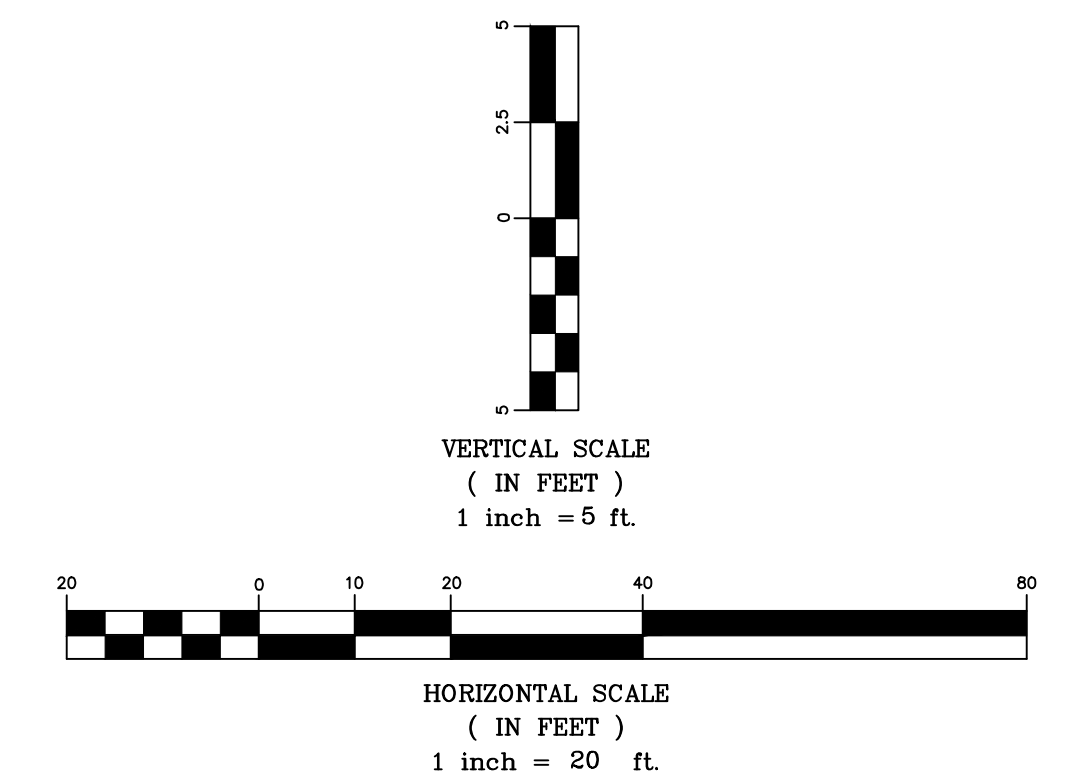
Line 1



Mueller (storz) fire hydrant with test station



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED DIGITALLY



Sharpline Converting
Plan & Profile Line 1
 Wichita, Kansas

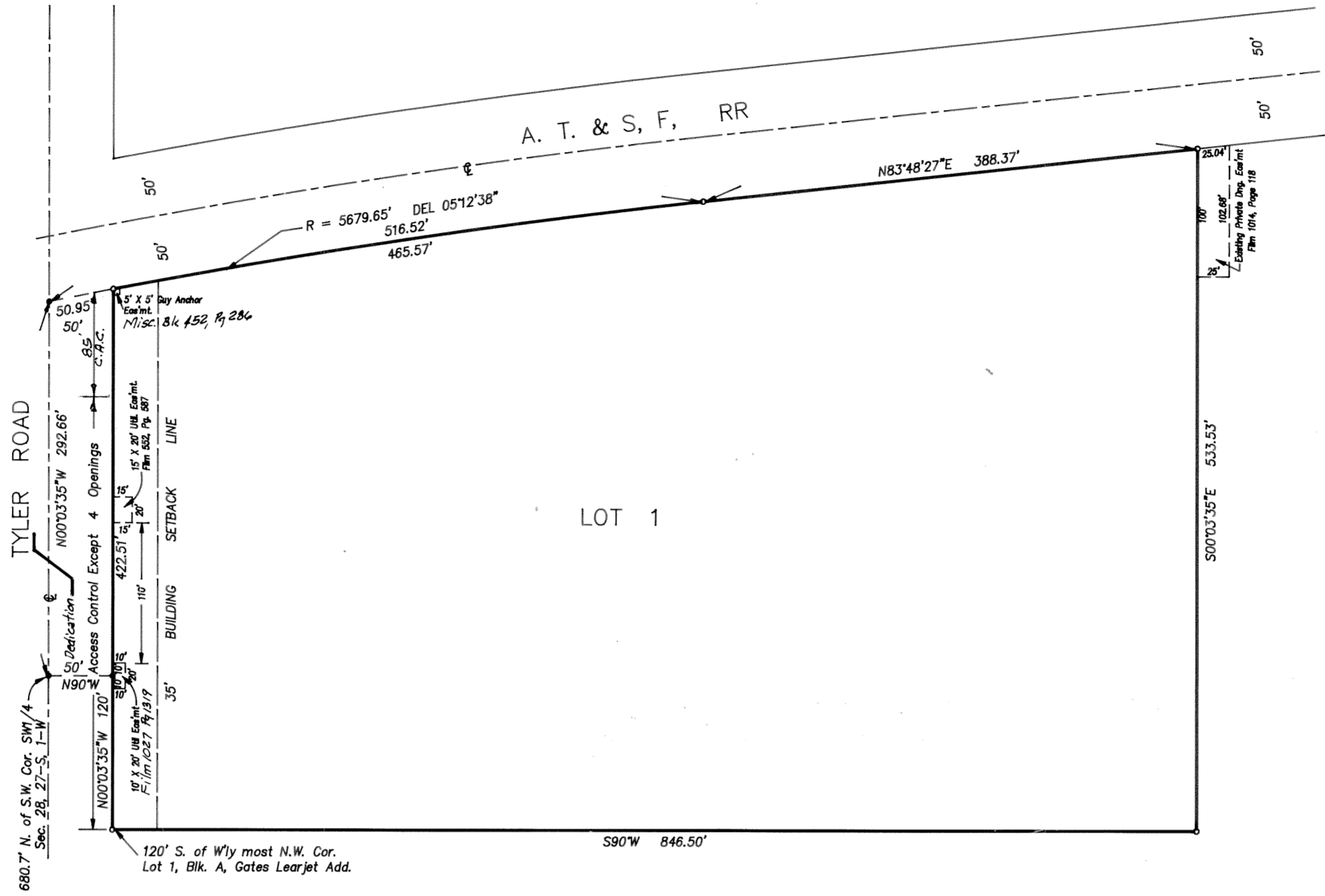
KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER PPW-2022-009799			SHEET 3.0
	KEM NO. 22005	FILE	DATE 02/2022	
DESIGN KM	DRAWN PG	REVISED		

Nov. 6, 2022

SHARPLINE FIRST ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

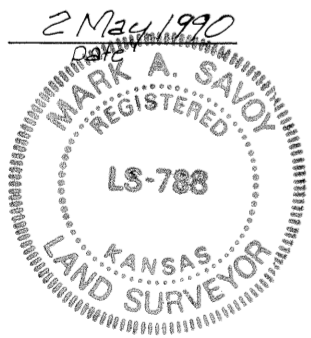
PC13-5



Note:
 K&E Affidavit, Film 560, Pg. 345
 K&E Affidavit, Film 796, Pg. 1299
 K&E Affidavit, Film 1089, Pg. 1790

State of Kansas }
 Sedgwick County } s.s. We, Baughman Company, P.A., Surveyors in
 aforesaid county and state do hereby certify that we have surveyed and
 platted "SHARPLINE FIRST ADDITION," Wichita, Sedgwick County, Kansas,
 and that the accompanying plat is a true and correct exhibit of the prop-
 erty described as a tract beginning at a point on the Section Line, 680.7
 feet north of the S.W. corner of Sec. 28, Twp. 27-S, R-1-W of the 6th P.M.,
 Sedgwick County, Kansas; thence east, parallel with the south line of the
 S.W. 1/4 of said Section, 661.5 feet; thence north, parallel with the west
 line of said S.W. 1/4, 384.5 feet to the south line of the right-of-way of
 the Atchison, Topeka & Santa Fe Railroad; thence southwesterly, along said
 Right-of-way, 667.5 feet to the west line of said S.W. 1/4; thence south,
 along the west line of said S.W. 1/4, 290.2 feet to the point of beginning,
 together with that part of Lot 1, Block A, Gates Learjet Addition to Wichita,
 Sedgwick County, Kansas, described as beginning at the western most
 N.W. corner of said Lot 1, being 680.7 feet north and 50 feet east of the
 S.W. corner of the S.W. 1/4 of Sec. 28, Twp. 27-S, R-1-W of the 6th P.M.,
 Sedgwick County, Kansas; thence south, along the west line of said Lot 1,
 120 feet; thence east, parallel with the south line of said Lot 1, 846.5 feet;
 thence north, parallel with the west line of said Lot 1, 533.53 feet more or
 less to the point of intersection with the north line of said Lot 1; thence
 southwesterly, along the north line of said Lot 1, 236.35 feet to a corner
 of said Lot 1, thence south, along a lot line of said Lot 1, 388.03 feet to a
 corner of said Lot 1; thence west, 611.5 feet to the point of beginning.
 Access Controls as recorded on Film 1013, Page 838, being vacated by
 virtue of KSA 12-512 (b)

Baughman Company, P.A.



Mark A. Savoy Surveyor
 Mark A. Savoy

Know all men by these presents, that we, the under-
 signed, have caused the land described in the surveyors certificate to be platted
 into a lot and a street to be known as "SHARPLINE FIRST ADDITION," Wichita,
 Sedgwick County, Kansas. The utility easements are hereby granted as indicat-
 ed for the construction and maintenance of all public utilities. The street is
 hereby dedicated to and for the public. All abutters rights of access to or from
 Tyler Road over and cross the west line of Lot 1 are hereby granted to the
 City of Wichita provided however that Lot 1 shall access to Tyler Road at four
 points over all except the north 85 feet of the west line thereof; as shall
 be determined by the City Engineer of the City of Wichita, Kansas

City of Wichita, Kansas

Bob Knight Mayor
 Bob Knight
John Mair City Clerk
 John Mair

This plat of "SHARPLINE FIRST ADDITION," Wichita,
 Sedgwick County, Kansas, has been submitted to and approved by the Wichita,
 Sedgwick County Metropolitan Area Planning Commission.
 Dated this 26th day of April, 1990.
 Wichita - Sedgwick County Metropolitan Area Planning Commission



George Sherman Vice - Chairman
 George Sherman
Marvin S. Kroul Secretary
 Marvin S. Kroul

This plat approved and all dedications shown
 hereon accepted by the City Council of the City of Wichita, Kansas,
 this 22 day of May, 1990.

Bob Knight Mayor
 Bob Knight
John Mair City Clerk
 John Mair

Entered on transfer record this 1 day of
June, 1990.

#1071706

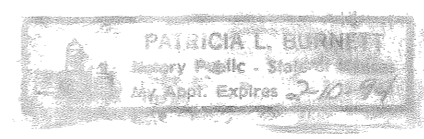
Don Wright County Clerk
 Don Wright

State of Kansas }
 Sedgwick County } s.s. This is to certify that this plat has been filed for
 record in the office of the Register of Deeds this 1st day of JUNE
 1990, 10:00 o'clock A.M.; and is duly recorded.

Pat Kettler Register of Deeds
 Pat Kettler
Ed Kresa Deputy
 Ed Kresa

State of Kansas }
 Sedgwick County } s.s. The foregoing instrument was acknowledged
 before me this 23rd day of May, 1990, by Bob Knight,
 Mayor and John Mair, City Clerk of the City of Wichita, Kansas, on
 behalf of the City.

Patricia L. Burnett Notary Public
 Patricia L. Burnett
 My App't Exp. 2-10-94



20.00 ck

Attest: John Mair City Clerk
 John Mair

PC13-5