

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One—Call 687-2470

The Contractor must notify the following in case of an emergency:

| | |
|----------------------------|----------------|
| AT&T | 1-800-246-8464 |
| Black Hills Energy | 1-800-694-8989 |
| City of Wichita Water | 1-316-268-4555 |
| City of Wichita Sewer | 1-316-268-4073 |
| 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 |
| Westar Energy | 1-800-544-4857 |

3. Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

4. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain will require a Kansas State Board of Agriculture permit. Any material buried in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits will require additional archaeological investigations unless buried in a previously approved borrow location.

5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

7. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

8. The Water Distribution 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, water 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 field grades.

9. The Contractor shall notify the consultant engineer and Tom Mason with the City at 316-268-4574 with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.

10. If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coan at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.

11. All elevations shown are NAVD 88.

12. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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 CI MJ Long Sleeve or Multiple Joints.

19. Any extension greater than one length of pipe shall require testing.

20. Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.

21. City maintenance of water mains ends at right-of-way or easement line.

22. Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required.

23. All wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees.

24. The Contractor shall protect from damage and support existing utilities through constructions as approved by the utility owner and the Engineer at the contractors expense.

25. Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.

26. 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.

27. Site restoration and preparation shall be subsidiary to the project.

28. The contractor shall use best management practices (bmp's) to prevent eroded soil from entering ditches, culverts, and drainage areas. Standard details for erosion bmp's are available from the engineer. The contractor shall follow the intent of the bmp's which act as a guideline.

29. Each bidder shall visit the site of the project throughout its entire extent before submitting a proposal in order to become better informed of the existing field conditions and obstacles which might be encountered during construction. Each bidder should understand that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.

30. All water pipe trenching in pavement or driveways, which will be required to carry traffic until permanent paving replacement, shall be topped with a minimum of 6" crushed rock (compacted) to be incidental to the project. Contractor shall be required to maintain temporary crushed rock until permanent pavement is installed.

31. Contractor to field verify location and depth of all utilities prior to construction and report findings to project engineer. Location information has been obtained from 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 be encountered.

32. The precast manufacturer shall provide a sealed design detail for all precast items used on the project to insure the intent of the plans are met.

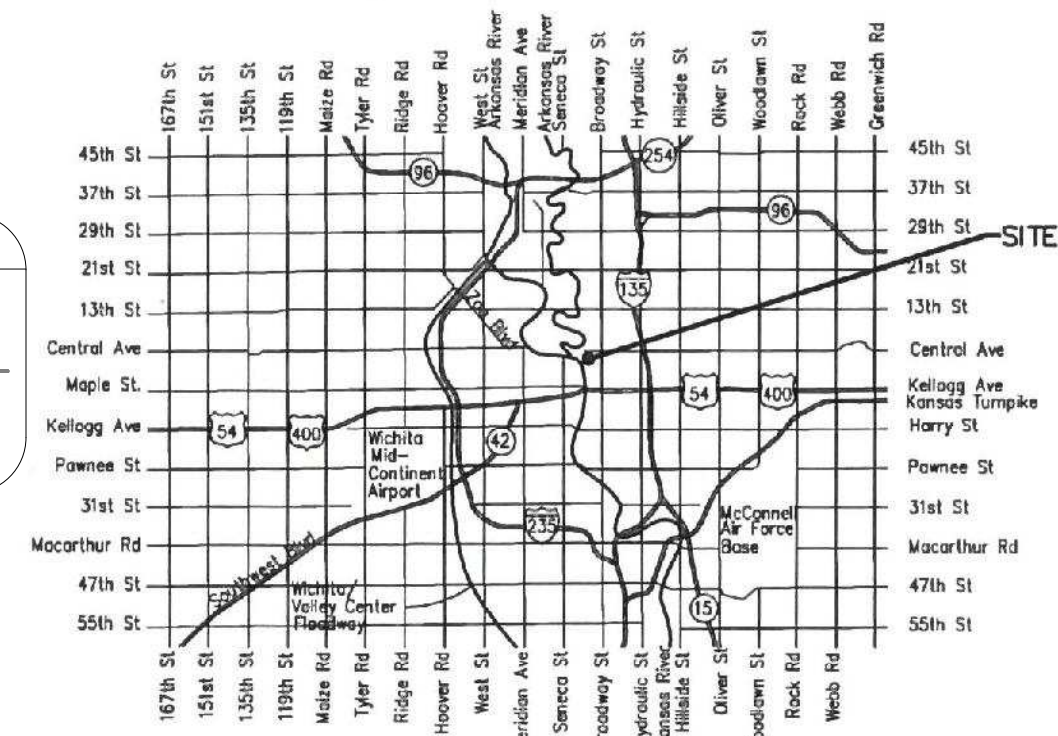
TO SERVE
**PORTION OF LOT 2,
 EMERSON ADDITION**
 PRIVATE PROJECT NO. 1911 PPW (607853)
(429 W. CENTRAL)
CITY OF WICHITA, KANSAS
 GARY JANZEN, P.E. - CITY ENGINEER

AS BUILTS

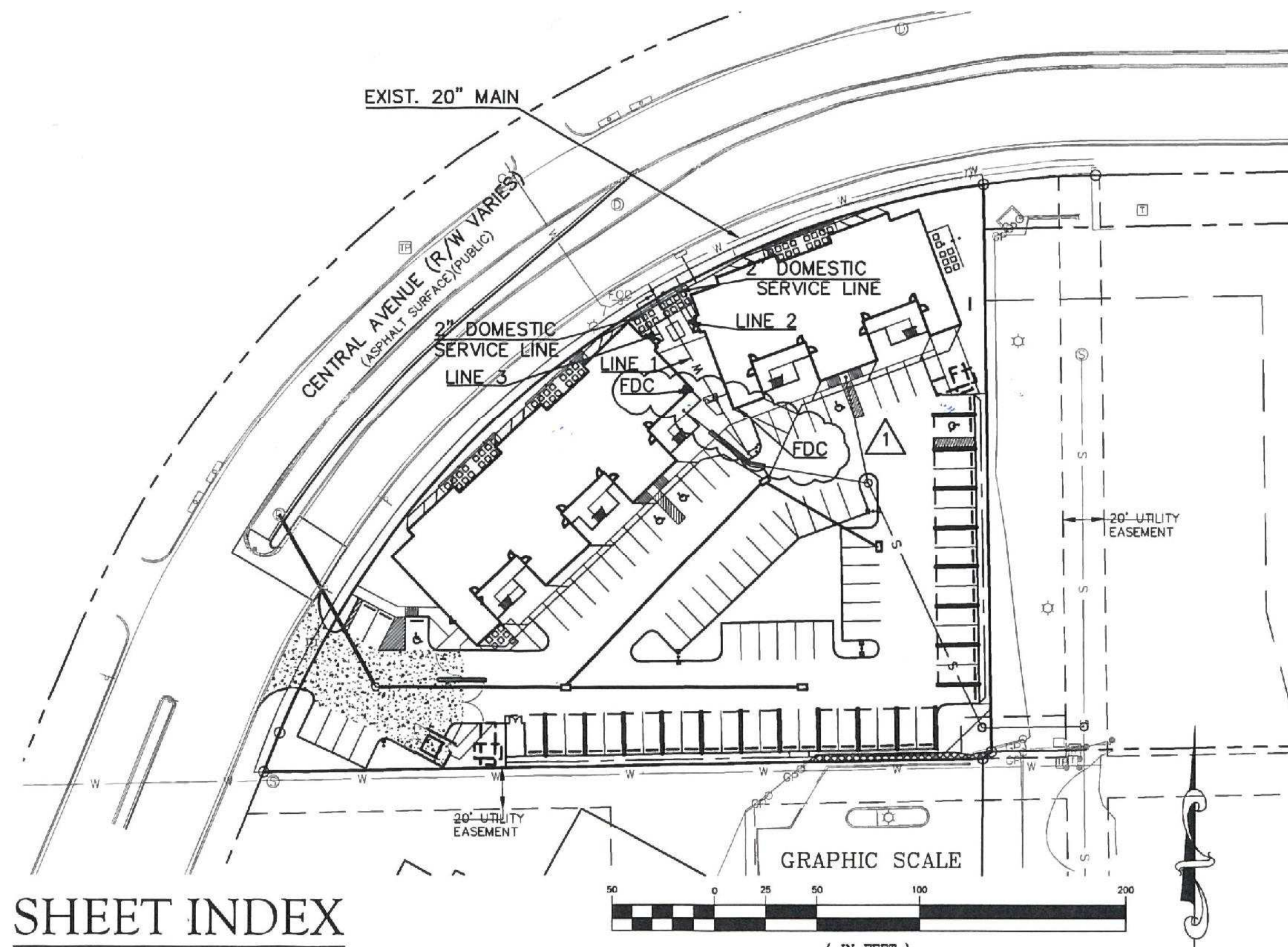
Contractor: **McCullough Excavation**
 Project Inspector: **Matt Perez**
 10/19/2015

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

8" DICL Pipe
 CLOW Valve
 8" WL Pipe CIS DR-18
 CLOW Detector Check Valve Ass'y
 CLOW Fire Hydrant w/Storz Connection



VICINITY MAP



SHEET INDEX

- 1 TITLE SHEET
- 2-4 WATER DETAILS
- 5 WATER PLAN AND PROFILE
- 6 EROSION CONTROL PLAN
- 7-11 EROSION CONTROL DETAILS
- 12 PLAT



THE COORDINATES PROVIDED IN THESE PLANS ARE FOR INFORMATION AND CHECKING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE CONSTRUCTION STAKING COORDINATES ACCORDING TO THE DIMENSIONS SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE COORDINATES SHOWN IN THE TABLE HEREON BEFORE CONSTRUCTION.

SEPT. 2015

LEGAL DESCRIPTION
 A PORTION OF LOT 2, EMERSON ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS

BENCHMARKS:
 BM #1: CHISELED "SQUARE" ON THE TOP EAST SIDE OF CONCRETE LIGHT POLE BASE. 70' +/- NORTH AND 25' +/- EAST OF THE SOUTHEAST PROPERTY CORNER.
 ELEV=1340.63 (NAVD88)

BM #2: CHISELED SQUARE ON TOP OF CURB AT NOSE OF CURB ISLAND. 60' +/- NORTHWEST OF SOUTHWEST PROPERTY CORNER.
 ELEV=1301.73 (NAVD88)

PROJ. NO. G14_0114 DSN: SRS
 CFN: 0114WTS DWN: JSB

200 N. EMPORIA, SUITE 100
 WICHITA, KANSAS 67202
 PH. (316) 440-4304 | FAX (316) 440-4309
www.kveng.com

KV KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16

APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA
 & BY WICHITA FIRE DEPARTMENT

Water Mains (Engineering) *Rebecca Dool 9/3/15*
 Water Mains (Water) *Ang Jolley 9-4-15*
 Fire Prot. Line *R. J. 9/3/15*

NOTE TO CONTRACTORS

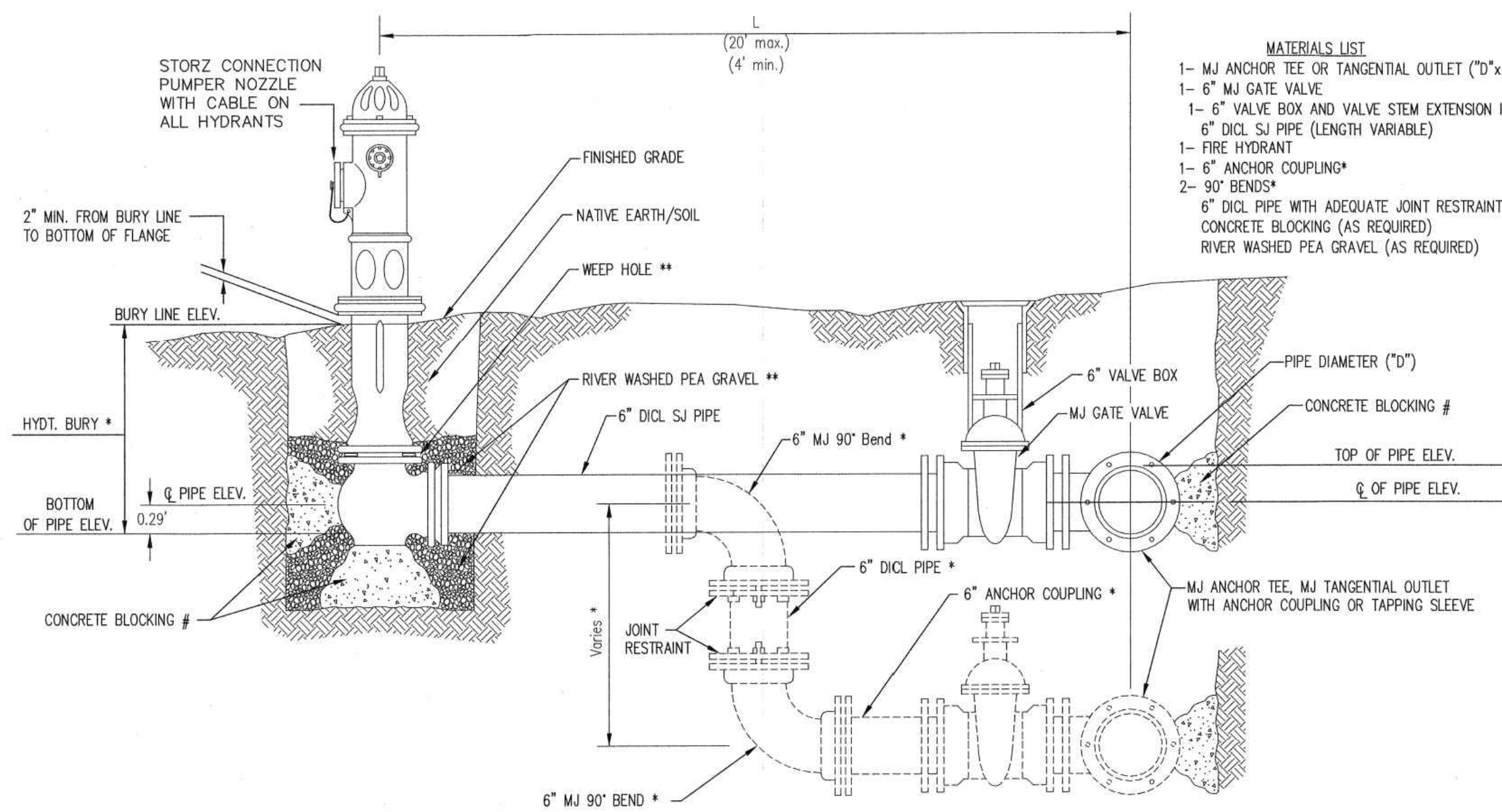
PUBLIC PROPERTY:
 Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional 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 the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

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 materials 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 the City of Wichita Fire Department and by a licensed Consulting Engineering Firm under contract with the Owner/Developer. 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 the City staff are required on-site.

SAFETY NOTICE TO CONTRACTOR
 IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER
 THE DESIGN REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.



* 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.

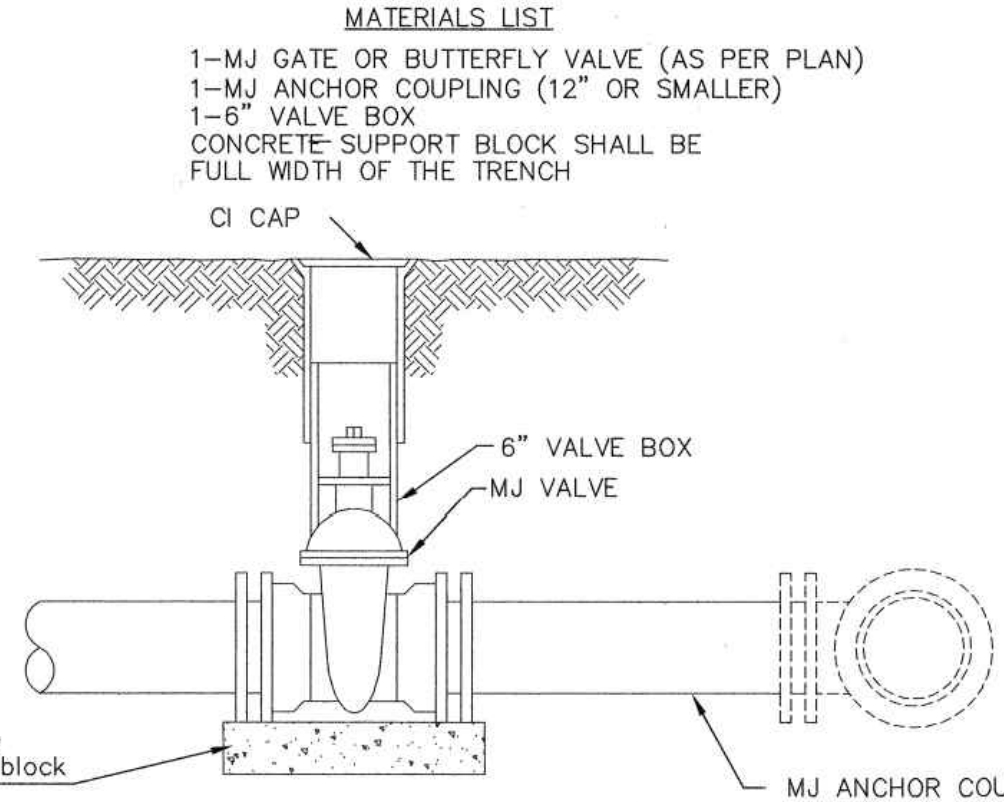
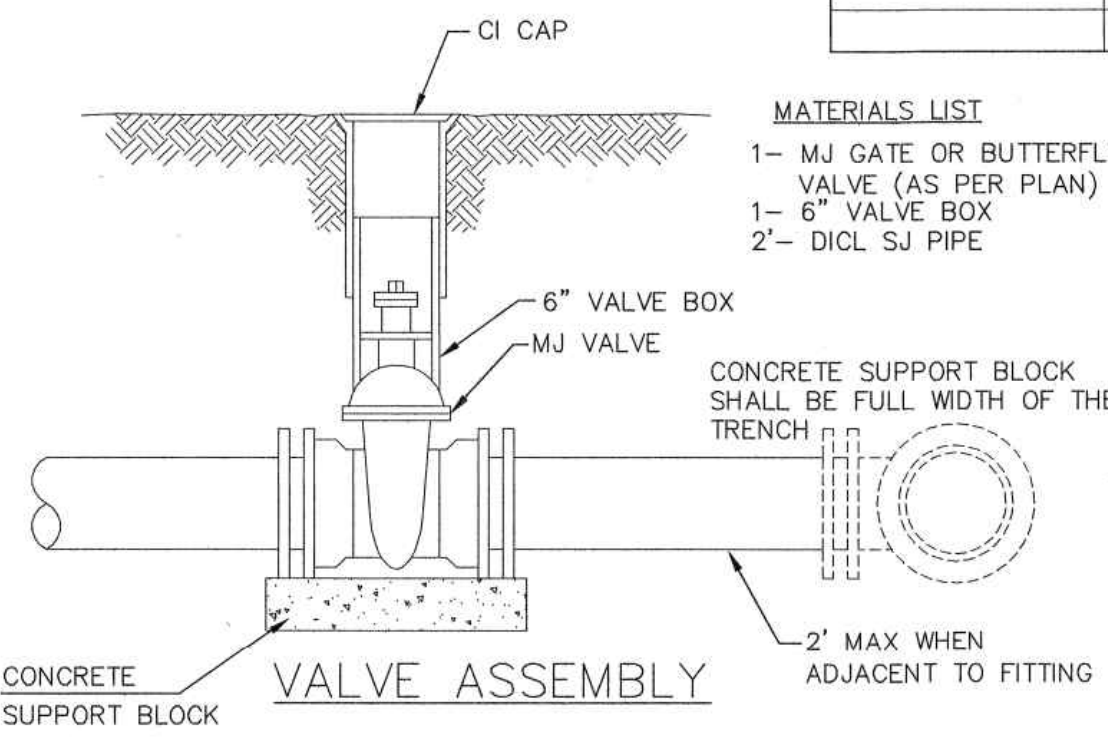
** CAUTION: WEEP HOLES TO BE KEPT CLEAR DURING CONSTRUCTION AND BACKFILL. CONCRETE FOR THRUST BLOCKING SHALL NOT OBSTRUCT WEEP HOLES. PLACE 1 CUBIC FOOT OF RIVER WASHED PEA GRAVEL AROUND EACH WEEP HOLE.

CONCRETE THRUST BLOCKING SHALL BE KEPT CLEAR OF BOLTS, NUTS, AND MJ ACCESSORIES.

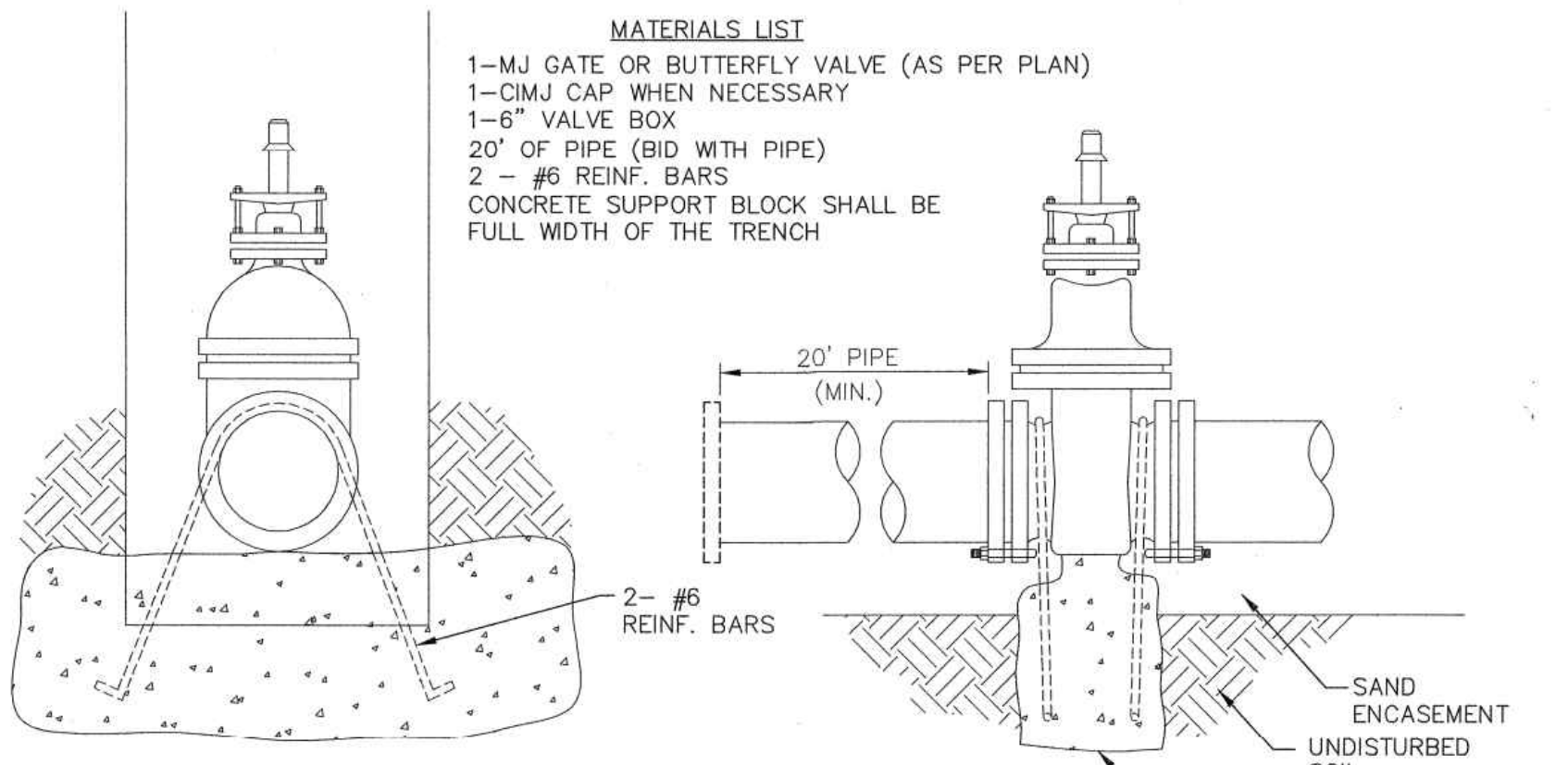
FIRE HYDRANT ASSEMBLY
 PER CITY OF WICHITA SPECIFICATIONS

FIRE HYDRANTS REQUIRED

| STATION | BURY LINE ELEVATION | TOP OF PIPE ELEVATION | FIRE HYDRANT BURY REQUIRED* | VALVE STEM EXT. REQUIRED (ft)* |
|--------------------|---------------------|-----------------------|-----------------------------|--------------------------------|
| STA 0+83.05 LINE 1 | 1302.35 | 1299.75 | 4.5 | N/A |
| | | | | |
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ANCHORED VALVE ASSEMBLY

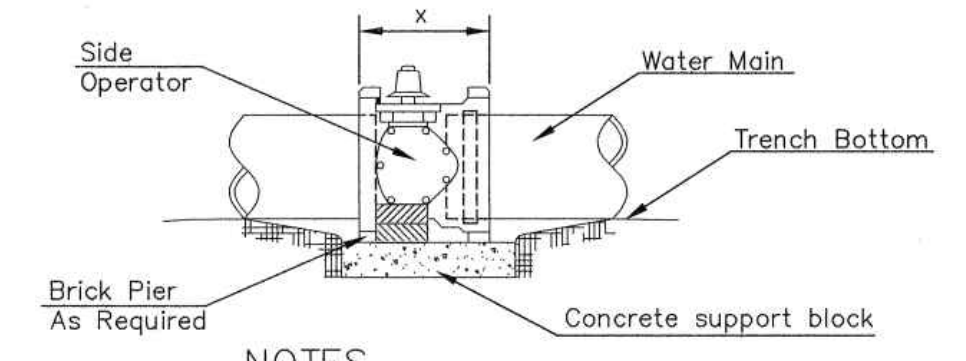


Notes:
 1. Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.
 2. The thrust block shall be constructed such that bolts, nuts, and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

THRUST AT VALVES

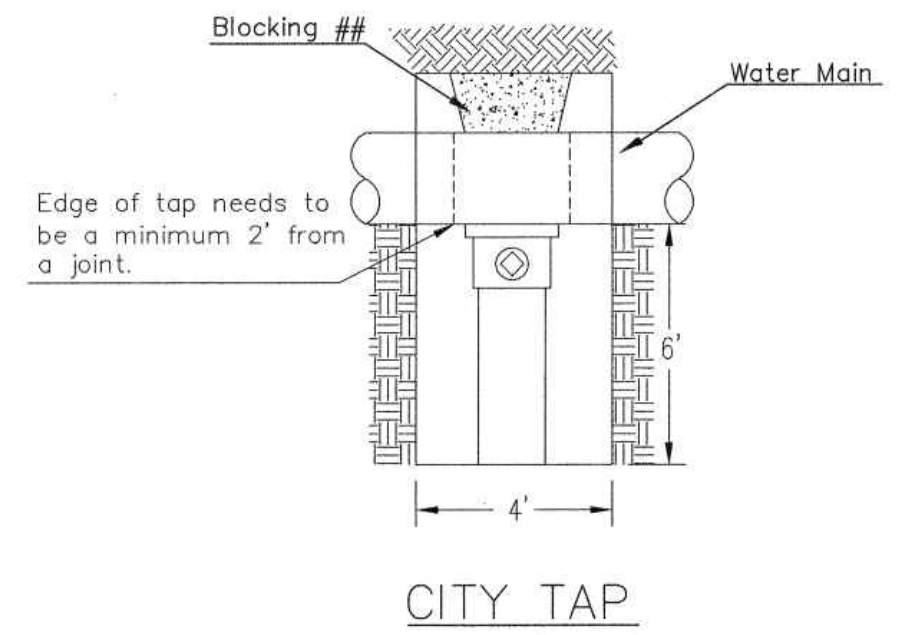
| VALVE | THRUST AT 150 #/sq |
|-------|--------------------|
| 4" | 1809 lbs. |
| 6" | 4245 lbs. |
| 8" | 7540 lbs. |
| 12" | 16965 lbs. |

ANCHORED VALVE ASSEMBLY, SPECIAL

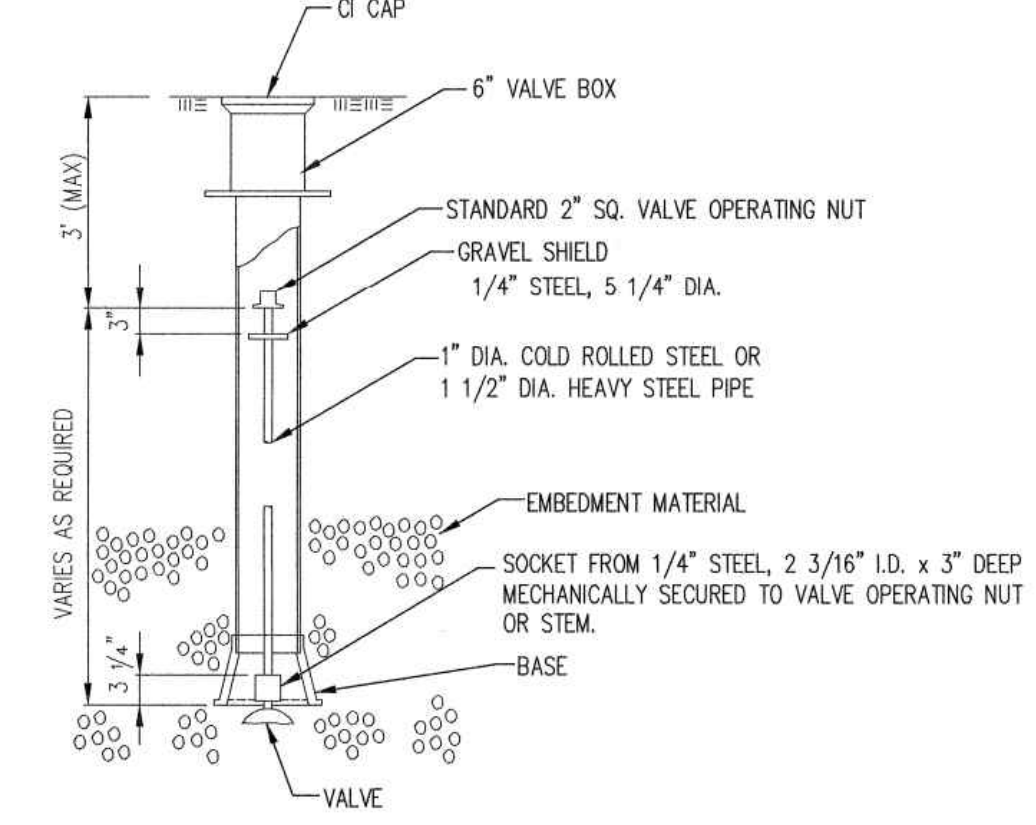


NOTES
 1. This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
 2. 6" Valve Box and Cover required per City of Wichita Std. Specifications.
 3. Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION

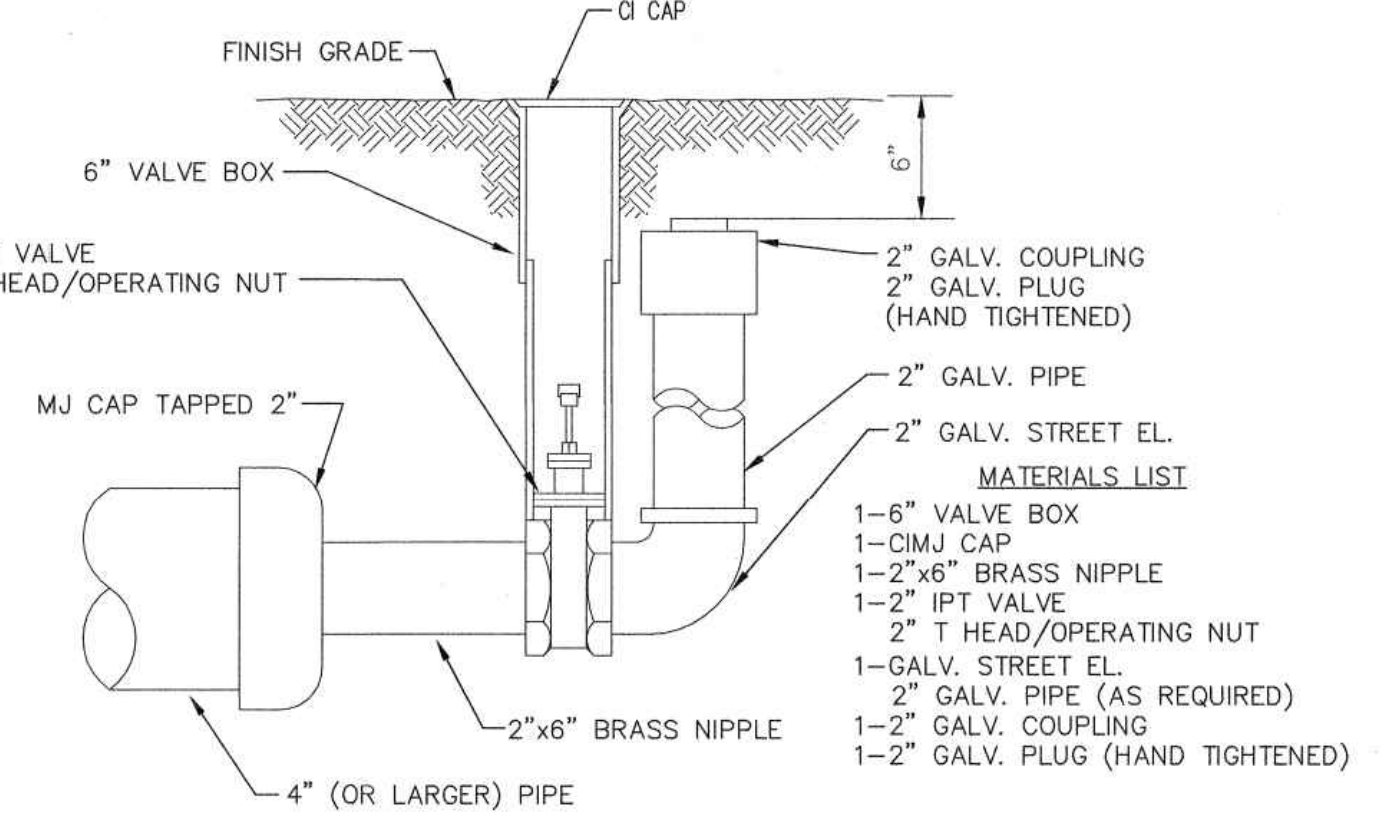


When the City of Wichita makes tap, blocking is to be done by Contractor

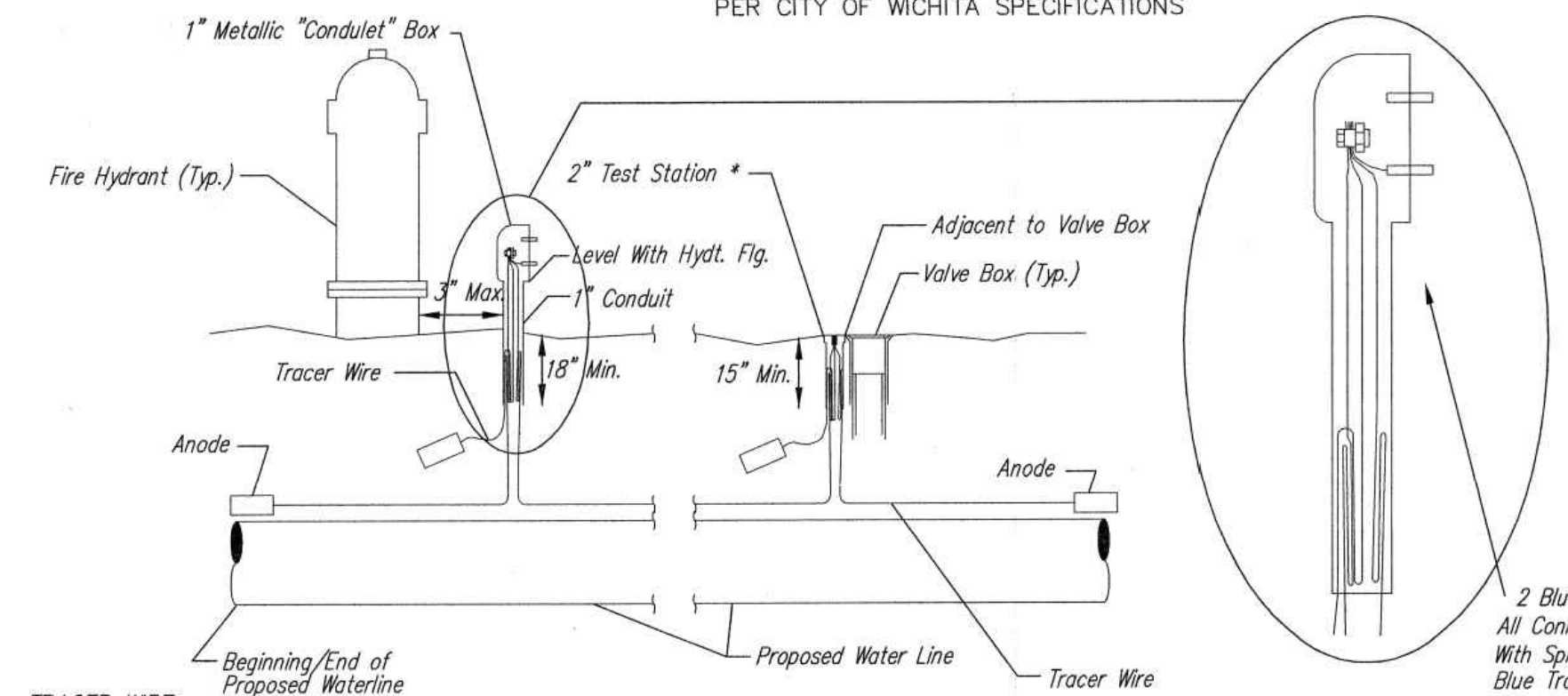


VALVE STEM EXTENSION DETAIL

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



2" BLOWOFF ASSEMBLY



WIRE
 The tracer wire shall be Blue No. 12 AWG CCS with 3045 mil HDPE insulation. 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 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
 A complete list of approved Tracer Wire can be found on City of Wichita's website at www.wichita.gov
 The test station for fire hydrant applications shall be a 1 inch galvanized "condulet" style test station as manufactured by AGRA Industries with a removable solid cover having two leads extending from the face or approved equal. The test station for valve applications shall be 2 inch flush style test station T2PS36 as manufactured by HANDLEY Industries or approved equal. The "conduit" 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 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

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

PORTION OF LOT 2, EMERSON ADDITION WICHITA, KS
 STANDARD DETAILS
 PROJ. NO. G14D0114
 DESIGNER SRS DRAWN BY JSB
 SHEET 0114WDET REV
 SHEET 02_WDTL REV

SCOTT R. SERVIS
 KANSAS PROFESSIONAL ENGINEER
 No. 17874
 8/14/15

SCOTT R. SERVIS
 ENGINEER
 KS # 17874

KAW VALLEY ENGINEERING
 200 N. EMPORIA, SUITE 100
 WICHITA, KANSAS 67201-4400-4309
 PH: (316) 268-4400
 info@kveeng.com | www.kveeng.com
 KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES UNDER THE KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16

From: Brian McEachern <bm@icon-structures.com>
Sent: Wednesday, August 31, 2016 2:48 PM
To: rgrief@wichita.gov; Mason, Tom; Ryan McCullough; Doug Hall
Subject: FW: Pinnacle Apartments; 8" Valve Not Installed per plan for Private Project 1911 PPW

All,
See response from Mike Brand one of the owner of Pinnacle Apartments. Let me know if you need anything else.
Thanks,

Brian

Brian McEachern
Icon Structures, Inc
1620 E. Highway 54
Andover, KS 67002
316-687-9960 office
316-687-9965 fax
316-249-3900 mobile
bm@icon-structures.com

From: Mike Brand [mailto:mike@brandplumbinginc.com]
Sent: Wednesday, August 31, 2016 10:26 AM
To: 'Brian McEachern'
Subject: RE: Pinnacle Apartments; 8" Valve Not Installed per plan for Private Project 1911 PPW

I am 100% aware that McCullough did not install the valve and we agree not to have them install it because it is not needed.
Thanks,
Mike Brand
Member of Pinnacle Apts.

From: Brian McEachern [mailto:bm@icon-structures.com]
Sent: Wednesday, August 31, 2016 8:54 AM
To: Mike Brand <mike@brandplumbinginc.com>
Subject: FW: Pinnacle Apartments; 8" Valve Not Installed per plan for Private Project 1911 PPW

Can you respond to this email from Ryan? It sounds like we cannot get a final until you respond that this is ok.

Brian McEachern
Icon Structures, Inc
1620 E. Highway 54
Andover, KS 67002
316-687-9960 office
316-687-9965 fax
316-249-3900 mobile
bm@icon-structures.com

From: Ryan McCullough [mailto:ryan@mcculloughexcavation.com]
Sent: Wednesday, July 20, 2016 5:33 PM
To: 'Mike Brand'; bm@icon-structures.com

Cc: RGreif@wichita.gov; 'Mason, Tom'

Subject: Pinnacle Apartments; 8" Valve Not Installed per plan for Private Project 1911 PPW

Mike,

As you are aware from our conversation several days ago, when we did the waterline work on Private Project 1911 PPW for Pinnacle Apartments, we missed installing an 8" Valve at Station 0+18, Line 1 per the attached as-built drawing. The City of Wichita Engineering department is OK signing off on the project as-is, without the valve installed, as long as the owner is OK with it.

If you can "Reply All" to this email and identify yourself as an owner of this project and that you are OK with the project as it is built, that should be sufficient for the city to close out this project.

Thanks,

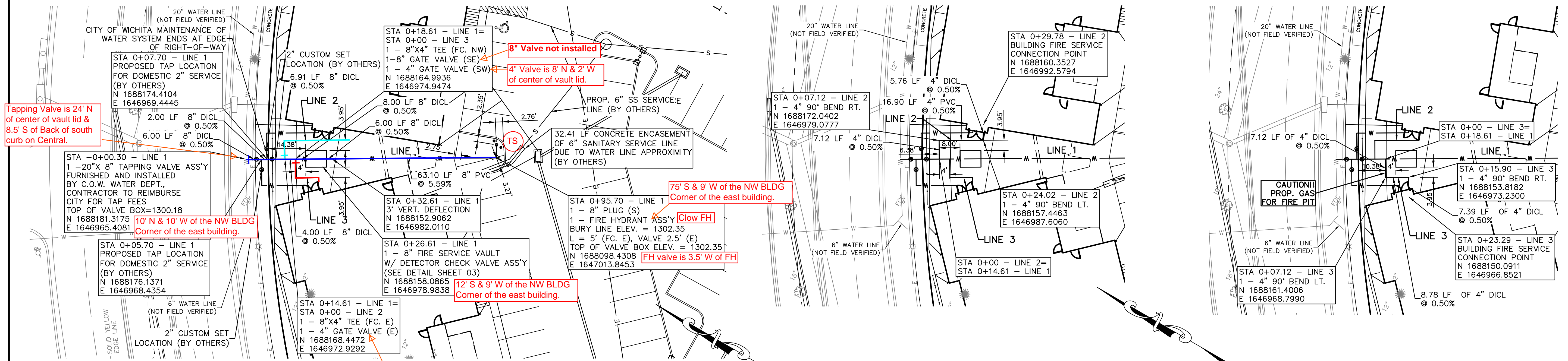
Ryan McCullough, P.E.

9210 E. 34th St. North
Wichita, KS 67226
P: (316) 634-2199
C: (316) 680-7518
F: (316) 634-6071
ryan@mcculloughexcavation.com

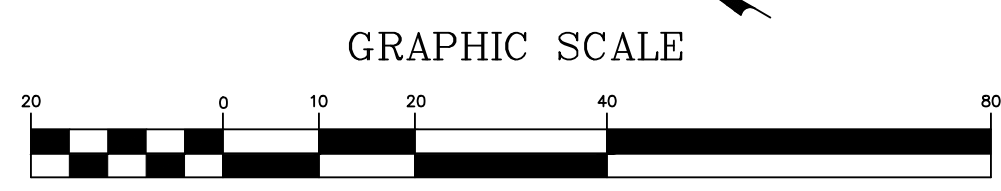
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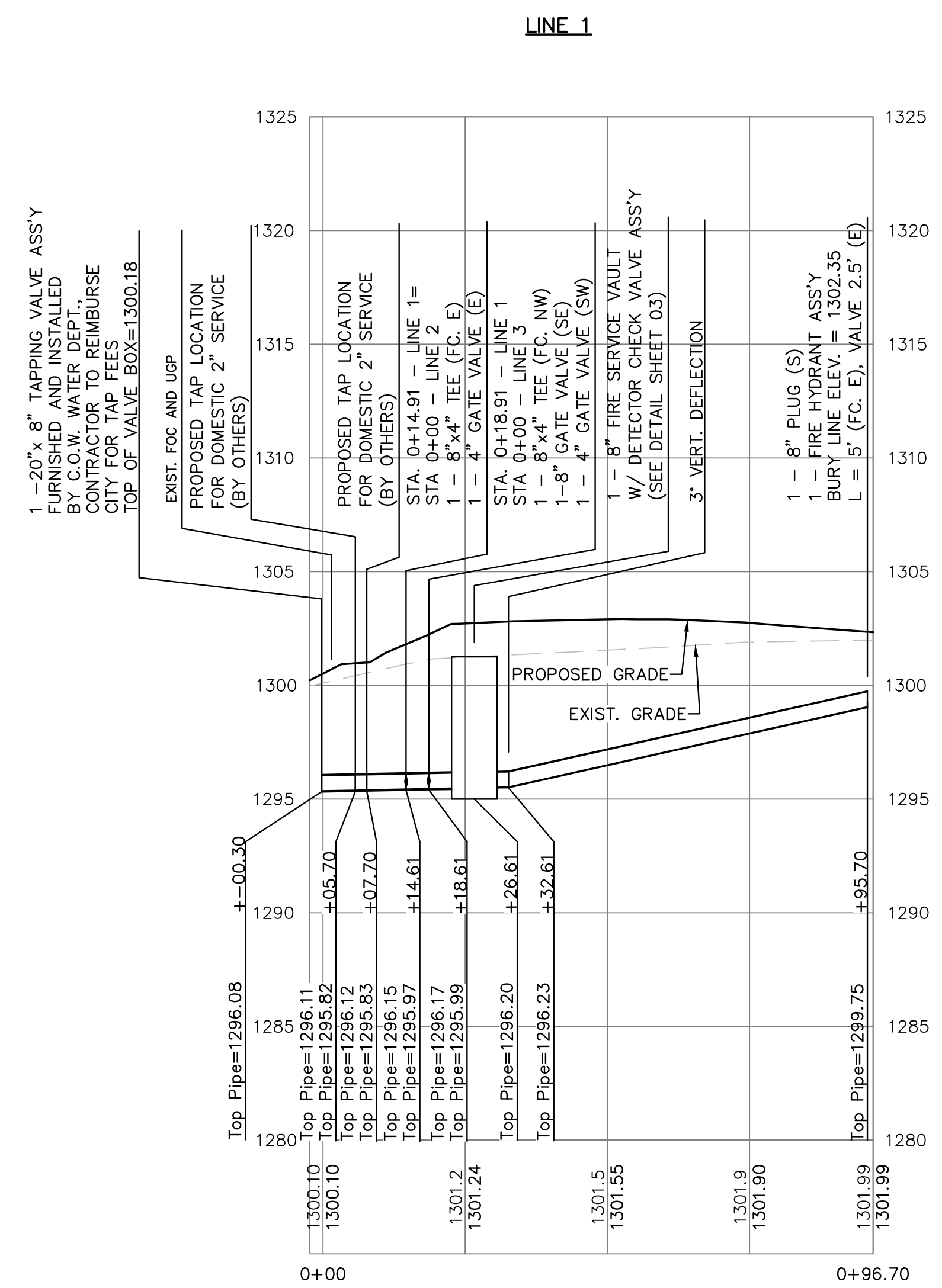
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For more information please visit <http://www.symanteccloud.com>



2" WATER SERVICES SHALL BE INSTALLED BY THE CITY OF WICHITA AFTER PAYMENT IS MADE.



PROFILE AT 1" = 5' VERT. SCALING



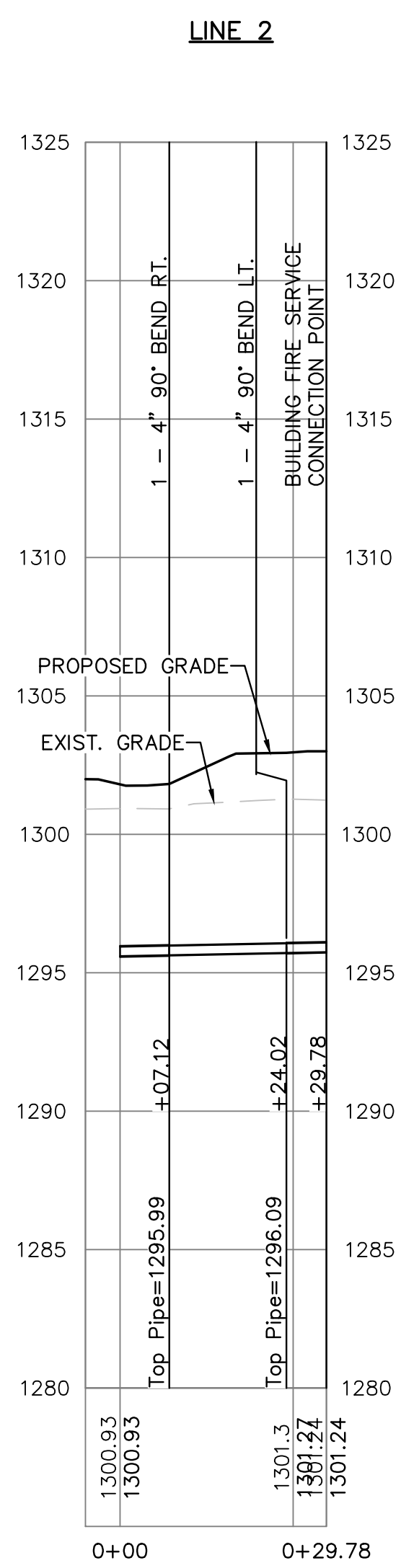
AS BUILTS

Contractor: **McCullough Excavation**

Project Inspector: **Matt Perez**

10/19/2015

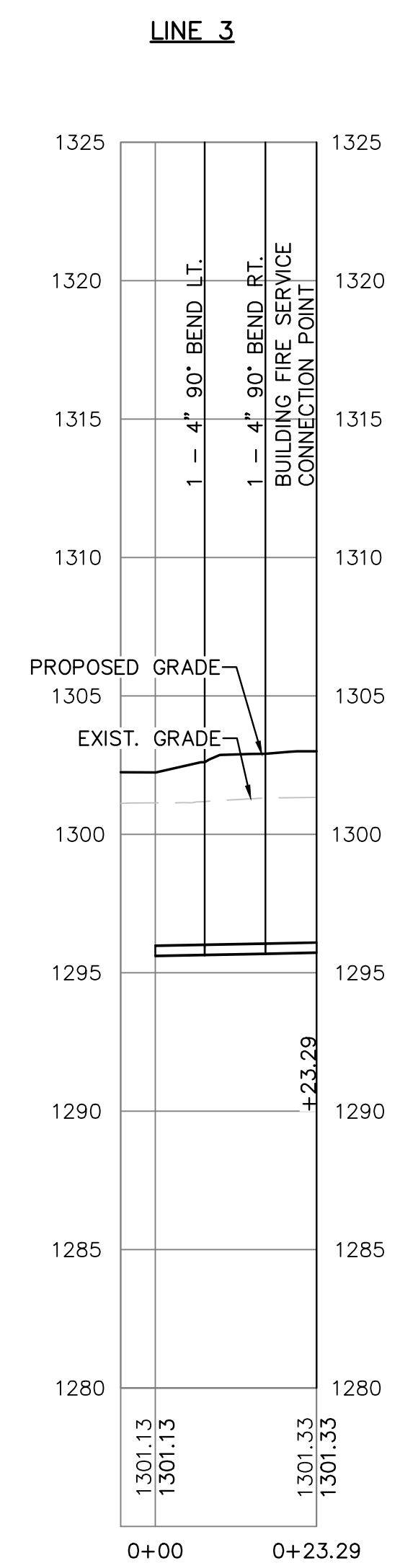
KEMILLER ENGINEERING PA
117 E. Lewis, Wichita, KS 67202 (316)264-0242



BENCHMARKS:
BM #1: CHISELED "SQUARE" ON THE TOP EAST SIDE OF CONCRETE LIGHT POLE BASE. 70' +/- NORTH AND 25' +/- EAST OF THE SOUTHEAST PROPERTY CORNER.
ELEV=1340.63 (NAVD88)

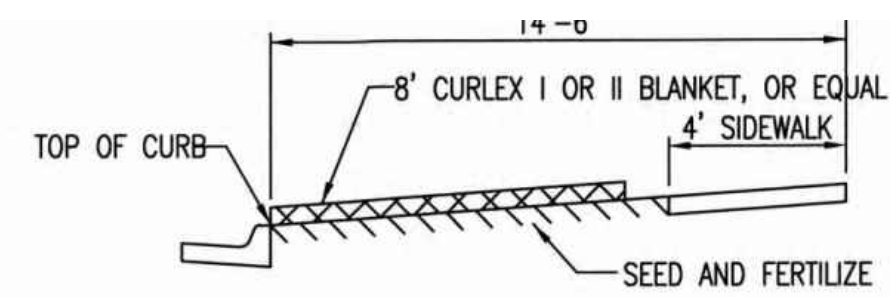
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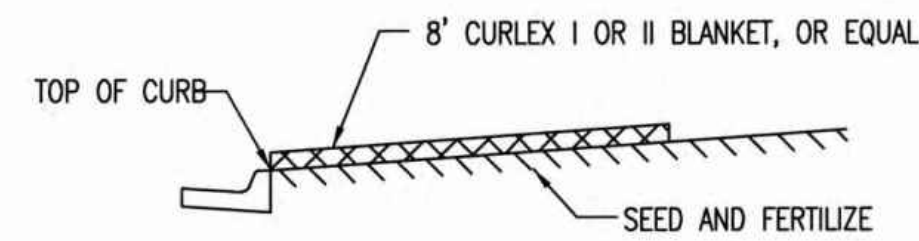


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| SCOTT R. SERVIS ENGINEER KS # 17874 | |
| 200 N. EMPORIA, SUITE 100 WICHITA, KANSAS 67204-4400-4309 PH: (316) 264-4400 www.kawvalley.com www.kveing.com | |
| | |
| KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF KANSAS UNDER CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16. | |
| PORTION OF LOT 2 EMERSON ADDITION WICHITA, KS | |
| WATER PLAN & PROFILE | |
| PROJ. NO. | G1400114 |
| DESIGNER | SRS |
| DRAWN BY | JSB |
| CFN | 0114WPP |
| SHEET | 05_WPP |
| REV | |

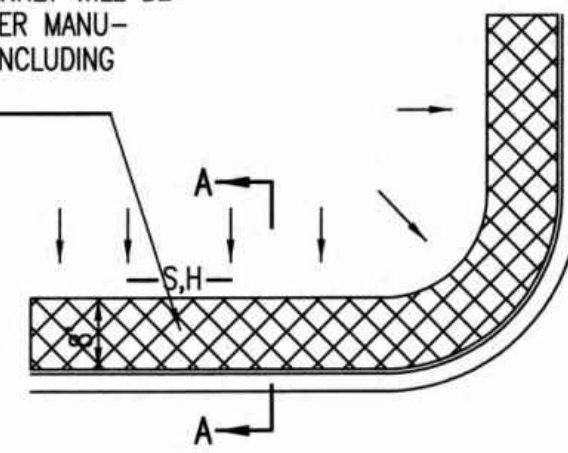


SECTION B-B

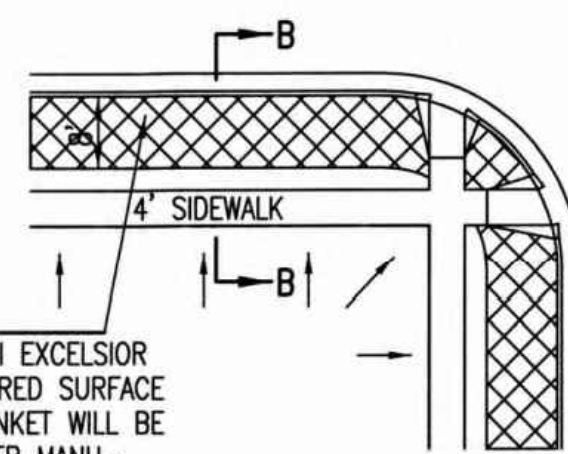


SECTION A-A

INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURER'S RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)



SOUTH STREET

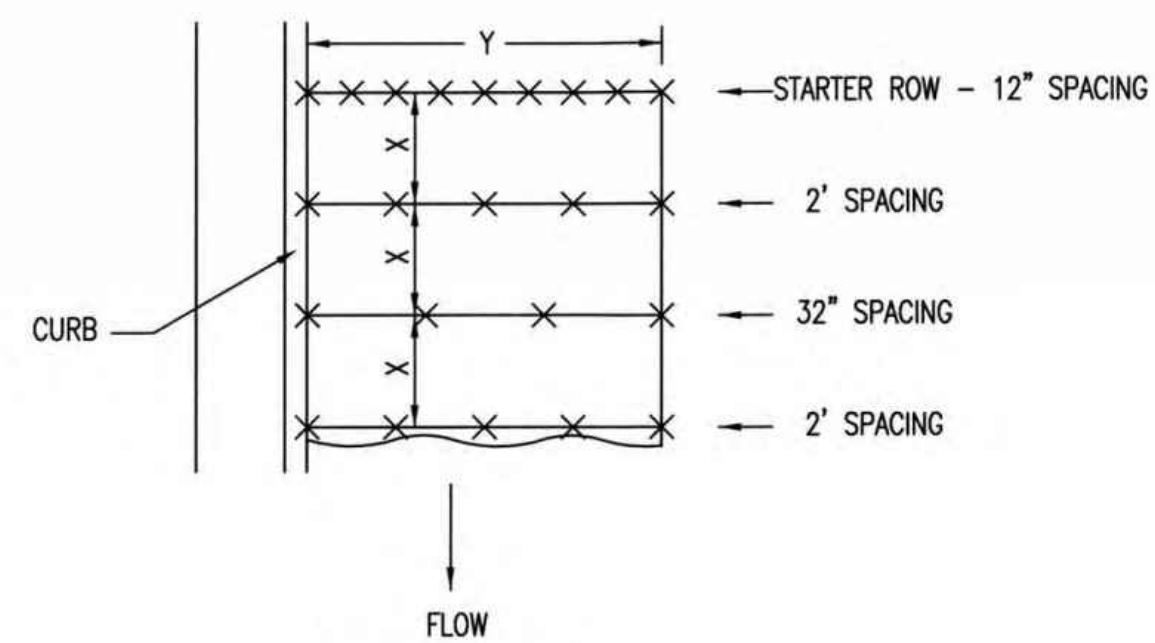


INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURER'S RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

GENERAL NOTES

- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
- EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

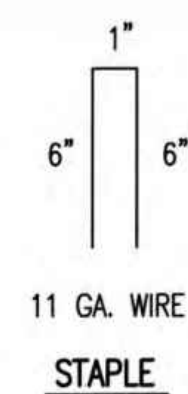
BACK OF CURB PROTECTION DETAIL



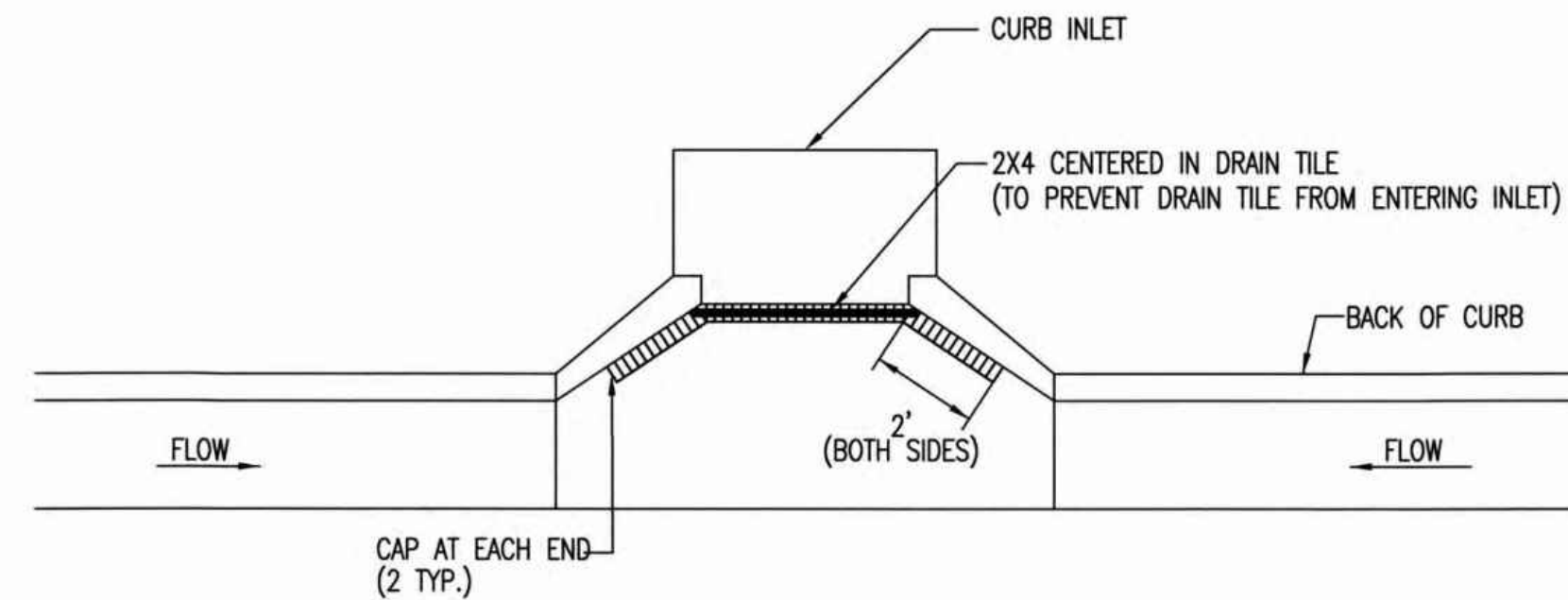
STAPLE PATTERN

NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT

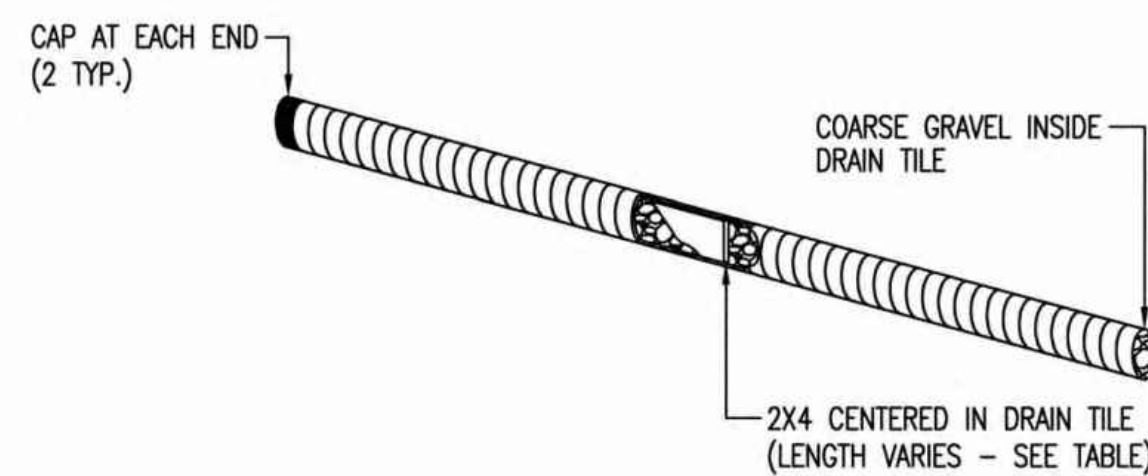


11 GA. WIRE STAPLE

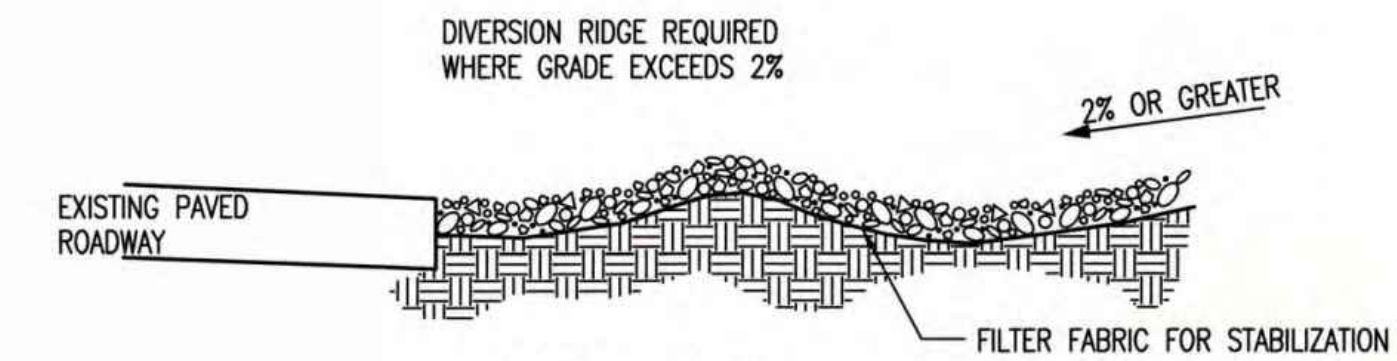


NOTE: PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

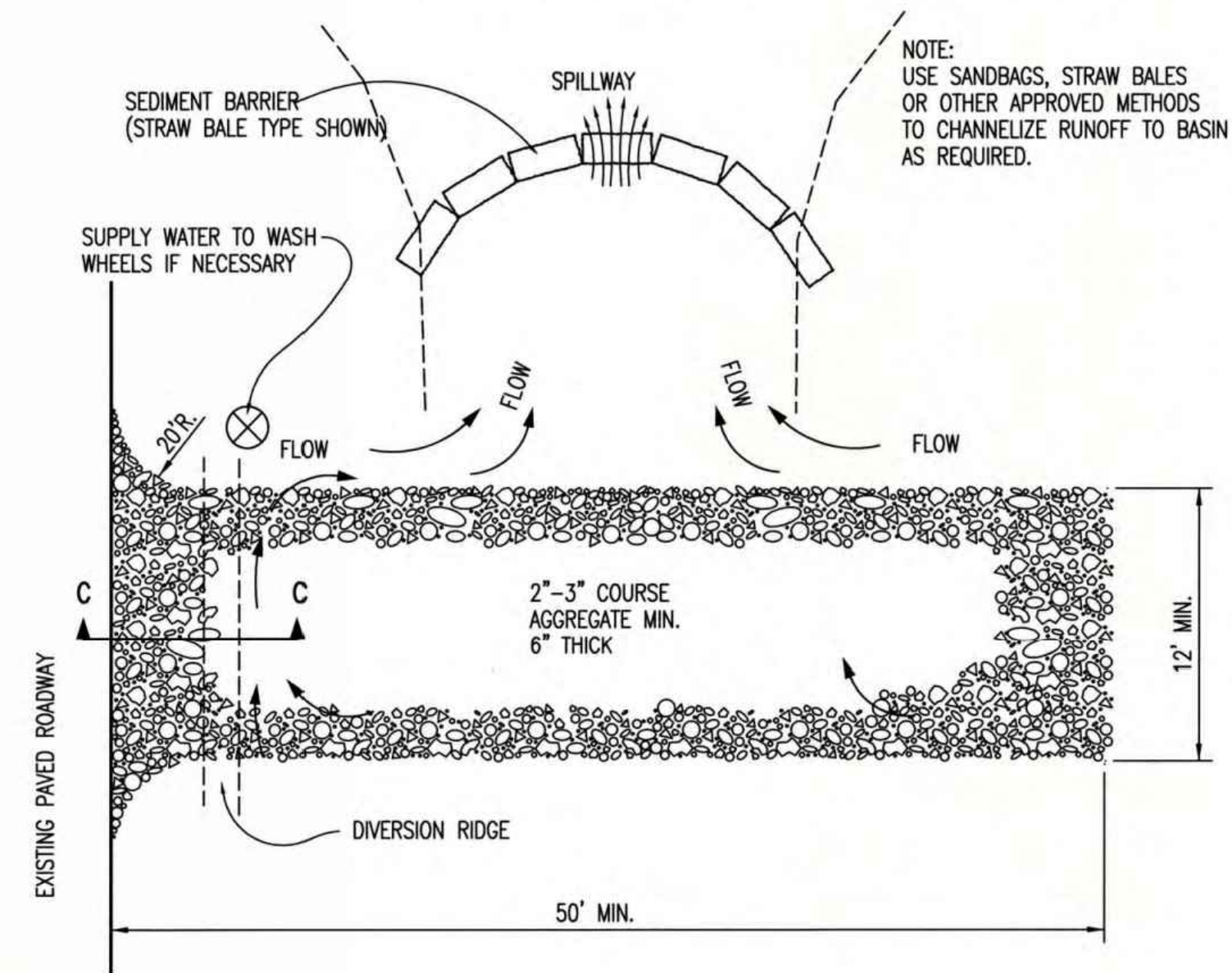
| 2X4 LENGTH | INLET TYPE | INLET OPENING |
|------------|------------|---------------|
| 5'-6" | 1-A | 5'-0" |
| 10'-6" | 1-A | 10'-0" |
| 15'-6" | 1-A | 15'-0" |



CURB INLET PROTECTION
4" PERFORATED PIPE W/ GRAVEL



SECTION C-C



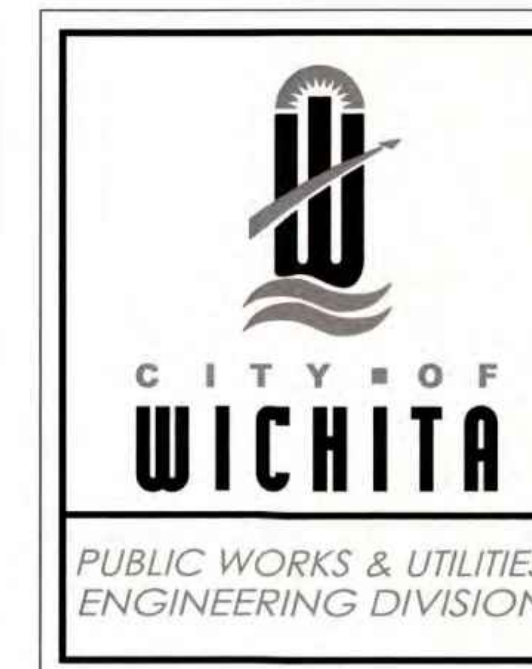
STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
- DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELLING.



05/20/13



BACK OF CURB PROTECTION,
CURB INLET PROTECTION AND
CONSTRUCTION ENTRANCE

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

REVISION DATE: MAY 2013

CITY ENGINEER'S OFFICE

CITY ENGINEER

GARY JANZEN, P.E.

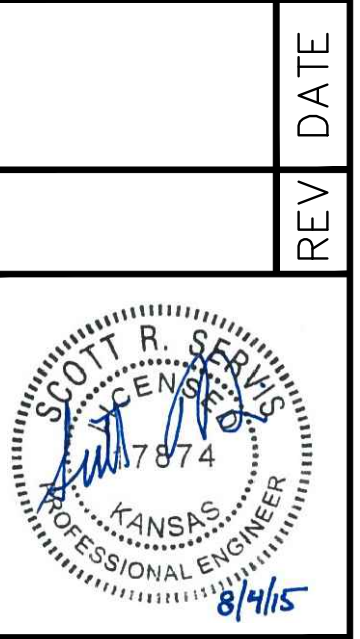
PROJECT NUMBER OCA NUMBER DATE

CITY ENGINEER'S OFFICE

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

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| | CHK |
| | DWN |
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| | DESCRIPTION |
| | DATE |
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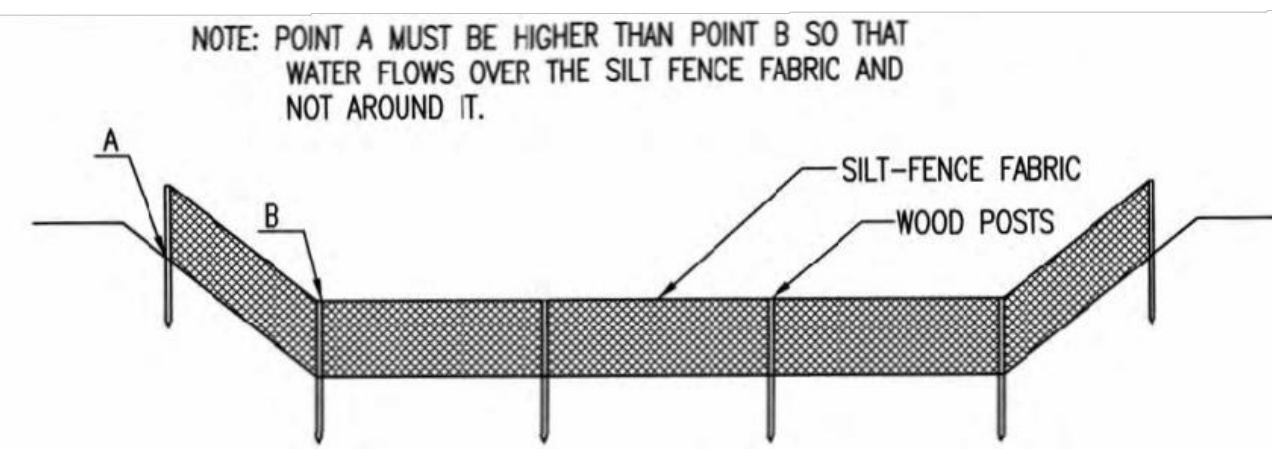
SCOTT R. SERVIS
ENGINEER
KS # 17874

200 N. EMPORIA, SUITE 100
WICHITA, KANSAS 67202-4400-4309
PH: (316) 268-4501
www.kawvalleyeng.com | info@kawvalleyeng.com



KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES UNDER THE KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-110. EXPIRES 12/31/16

| | | | |
|--|----------|-------------------------|--------|
| PORTION OF LOT 2, EMERSON ADDITION WICHITA, KS | | EROSION CONTROL DETAILS | |
| PROJ. NO. | G14D0114 | DESIGNER | SRS |
| | | DRAWN BY | JSB |
| CFN | 0114WDET | SHEET | 07_BMP |
| | | REV | |



ELEVATION
SILT FENCE DITCH CHECKS
(STREAM PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED. SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK. SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD. SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

| DITCH CHECK DITCH GRADE (%) | SPACING CHECK SPACING (FEET) |
|-----------------------------|------------------------------|
| 0.5 | 200 |
| 1.0 | 200 |
| 2.0 | 100 |
| 3.0 | 65 |
| 4.0 | 50 |
| 5.0 | 40 |
| 6.0 | 30 |

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSTREAM EDGE OF THE TRENCH. LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON DETAIL. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE ON THE UPSTREAM SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

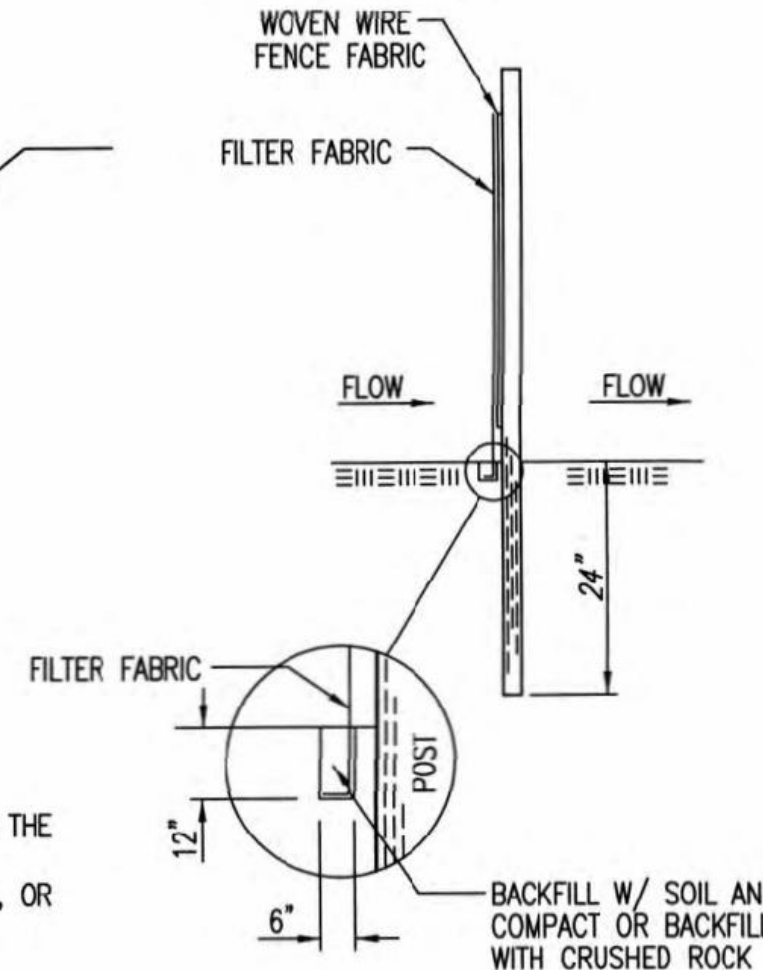
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK—NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM. DO NOT PLACE SILT FENCE POSTS ON THE UPSTREAM SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE A SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW. DO NOT PLACE SILT FENCE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW. FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS. DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE. DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

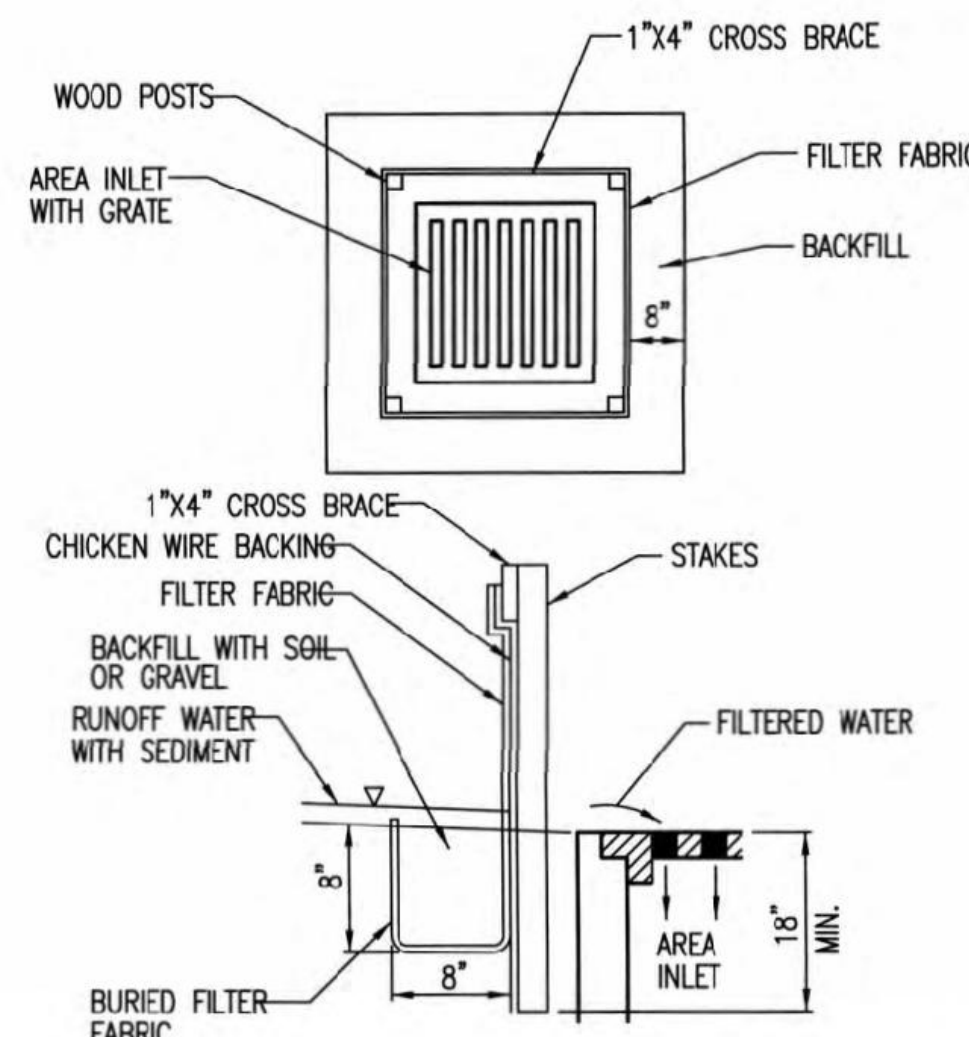
INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

- DOES WATER FLOW AROUND THE DITCH CHECK?
- DOES WATER FLOW UNDER THE DITCH CHECK?
- DOES THE SILT FENCE SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



ANCHOR TRENCH DETAIL



SILT FENCE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS. SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED. WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME. WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE. DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET. THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM. CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING. ATTACH THE WIRE OR POLYMERIC-MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED. ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

NOTE: WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

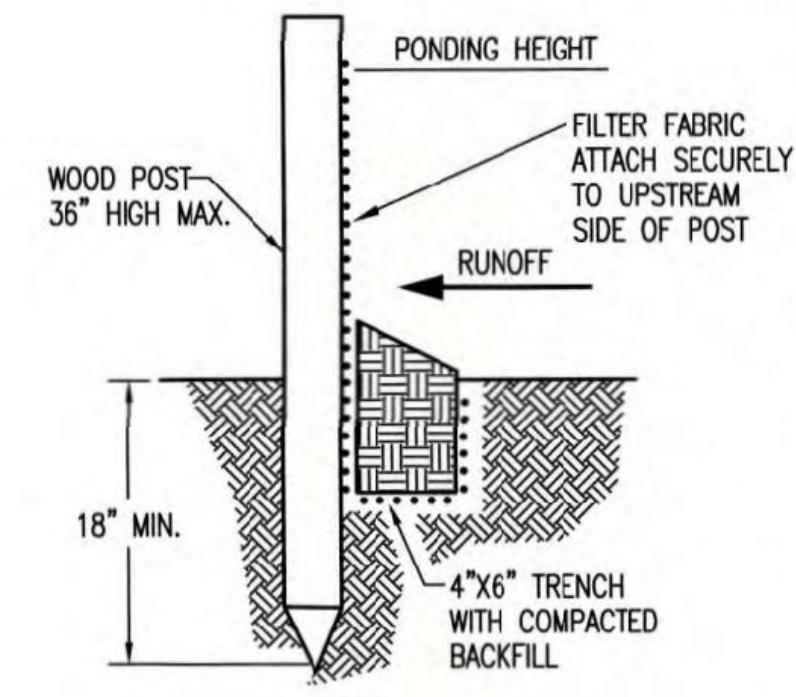
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET—NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED. DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

- DOES WATER FLOW UNDER THE SILT FENCE?
- DOES THE SILT FENCE SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



SILT FENCE BARRIERS

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT. WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT-FENCE FABRIC SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES. DO NOT PLACE SILT-FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT. SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND—SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

- ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
- DOES WATER FLOW UNDER THE SLOPE BARRIER?
- DO THE SILT FENCES SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

REVISION DATE: MAY 2013

SILT FENCE DITCH CHECK AND BARRIER DETAILS

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



| | | | | | |
|---|----------|--|--------------------------------|-------------|------|
| | | | | | |
| | | | | DESCRIPTION | CHK |
| | | | | REV | DATE |
| | | | | | |
| SCOTT R. SERVIS ENGINEER KS # 17874 | | | | | |
| 200 N. EMPORIA, SUITE 100 WICHITA, KANSAS 67203-4400-4309 PH: (316) 268-4400 www.kawvalleyeng.com info@kawvalleyeng.com | | | | | |
| | | | | | |
| KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF KANSAS UNDER CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16. | | | | | |
| PORTION OF LOT 2, EMERSON ADDITION WICHITA, KS | | | EROSION CONTROL DETAILS | | |
| PROJ. NO. | G14D0114 | | | | |
| DESIGNER | SRS | | | | |
| DRAWN BY | JSB | | | | |
| CFN | 0114WDET | | | | |
| SHEET | 08_BMP | | | | |

EMERSON ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 12th day of May, 1980

ATTEST: Donald E. Dragg, Chairman
Tom Goff, Commissioner
Donald E. Dragg, Commissioner

Dorothy K. White, County Clerk
Dorothy K. White

Entered on transfer record this 12 day of May, 1980

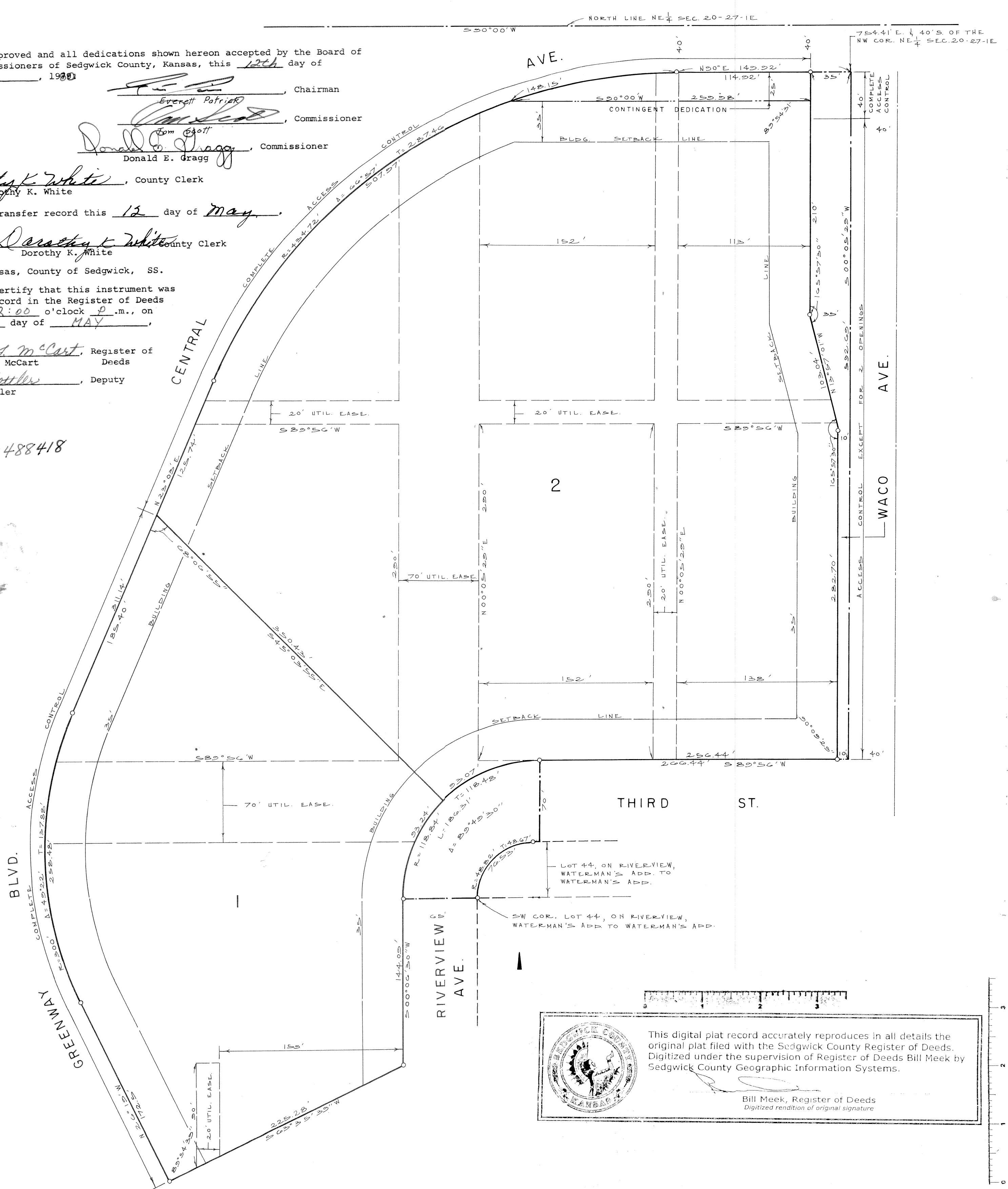
Dorothy K. White, County Clerk
Dorothy K. White

State of Kansas, County of Sedgwick, SS.

This is to certify that this instrument was filed for record in the Register of Deeds Office, at 2:00 o'clock P.m., on the 12th day of MAY, 1980.

Bette F. McCart, Register of Deeds
Bette F. McCart
Pat Kettler, Deputy
Pat Kettler

#488418



This digital plat record accurately reproduces in all details the original plat filed with the Sedgwick County Register of Deeds. Digitized under the supervision of Register of Deeds Bill Meek by Sedgwick County Geographic Information Systems.
Bill Meek, Register of Deeds
Digitized rendition of original signature

State of Kansas, County of Sedgwick, SS.
I, Lowell D. High, Land Surveyor in said State and County, do hereby certify that I have surveyed and platted "EMERSON ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is A REPLAT OF and a true and correct exhibit of said survey described as follows: Beginning at the SW corner of Reserve F in Park Plaza First Addition, Wichita, Sedgwick County, Kansas, said SW corner of said Reserve F being a point on the east line of Greenway Boulevard as platted in said Park Plaza First Addition; thence northwesterly, northerly, northeasterly and easterly along the east line of said Greenway Boulevard and the easterly and southerly line of Central Avenue as platted in said Park Plaza First Addition to a point 40 feet south of the north line of the NE 1/4 of Section 20, T27S, R1E of the 6th P.M., Sedgwick County, Kansas; thence east parallel to and 40 feet south of said NE 1/4, 149.92 feet to the intersection of the south line of Central Avenue and the west line of Waco Avenue as platted in Waterman's Addition to Waterman's Addition to the Town of Wichita, said intersection being the NE corner of E. P. Waterman's Reserve in said Waterman's Addition to Waterman's Addition and also the NE corner of Lot 7 in Waco Avenue Addition to Wichita, Kansas; thence south on the west line of Waco Avenue, as platted in said Waterman's Addition to Waterman's Addition to the north line of Third Street as platted in said Addition; thence west on said north line of said Third Street, 266.44 feet to the P.C. of a curve; thence southwesterly on a curve to the left having a radius of 118.84 feet and a deflection angle of 89°49'30", 186.31 feet to the P.T. of said curve, said P.T. being a point on the west line of Riverview Avenue and the east line of Reserve A, Park Plaza Second Addition, Wichita, Sedgwick County, Kansas; thence south on the west line of said Riverview Avenue, 144.09 feet to the SE corner of Reserve A in said Park Plaza Second Addition; thence southwesterly along the south line of said Reserve A and along the south line of Reserve F in said Park Plaza First Addition, 225.28 feet to the point of beginning. The property described above includes all of Reserves D, E and F in Park Plaza First Addition, Wichita, Sedgwick County, Kansas, Reserve A in Park Plaza Second Addition, Wichita, Sedgwick County, Kansas, odd and even Lots 45 to 56 inclusive on River Street, now Riverview Avenue, in Waterman's Addition to Waterman's Addition to the Town of Wichita, odd Lots 61 to 71 inclusive on Waco Avenue in said Waterman's Addition to Waterman's Addition, that part of E. P. Waterman's Reserve in said Waterman's Addition to Waterman's Addition lying south of Central Avenue as platted in said Park Plaza First Addition, part of Lot 1 and all of Lots 2 to 11 inclusive, and strips A, B and C in Waco Avenue Addition to Wichita, Kansas, said Waco Avenue Addition, being a replat of said E. P. Waterman's Reserve, and all the streets, alleys and unplatted land, if any, lying within the bounds of the above described property, said lots, streets and alleys being vacated and replatted by virtue of K.S.A. 1970 Supp. 12-512(b).

Also part of Lot 44 on River Street, now Riverview Avenue, in Waterman's Addition to Waterman's Addition to the Town of Wichita described as follows: Beginning at the SW corner of said Lot 44; thence north on the west line of said Lot 44, 48.67 feet to the NW corner of said Lot 44; thence east on the north line of said Lot 44, 48.67 feet; thence southwesterly on a curve to the left having a radius of 48.82 feet and a deflection angle of 89°49'30", a distance of 76.53 feet to the point of beginning.

Lowell D. High, Land Surveyor
Lowell D. High

Know all men by these presents that The Urban Renewal Agency of the Wichita, Kansas Metropolitan Area, a public corporation, by Maxine I. Hansen, Chairman and Unified School District No. 259, a Quasi-Municipality, by Jo Ann Pottorff, President, have caused the land described in the Land Surveyor's certificate to be platted into lots and streets to be known as "EMERSON ADDITION", Wichita, Sedgwick County, Kansas. Utility easements as indicated on the plat are hereby granted for the construction and maintenance of all public utilities. The streets are hereby dedicated to and for the use of the public.

All abutter's rights of access to or from Greenway Boulevard and Central Avenue, over and across the west line of Lot 1 and the west and north line of Lot 2 are hereby granted to the City of Wichita. All abutter's rights of access to or from Waco Avenue, over and across the east line of Lot 2 are hereby granted to the City of Wichita, provided, however, that Lot 2 shall have access to Waco Avenue at two locations, except over and across the north 40 feet of the east line of said Lot 2, such locations to be designated by the City Engineer of Wichita, Kansas. The contingent dedication as indicated on the plat is hereby dedicated to and for the use of the public for street purposes contingent upon the City of Wichita's need for the additional right of way for any street purpose.

ATTEST: Maxine I. Hansen, Chairman
Maxine I. Hansen
Kenneth H. Kitchen, Secretary

ATTEST: Jo Ann Pottorff, President
Jo Ann Pottorff
Martin Hartley, Clerk of the Board

State of Kansas, County of Sedgwick, SS.
The foregoing instrument was acknowledged before me this 31st day of February, 1980 by Maxine I Hansen, Chairman of The Urban Renewal Agency of the Wichita, Kansas Metropolitan Area, a Public Corporation, on behalf of the corporation.

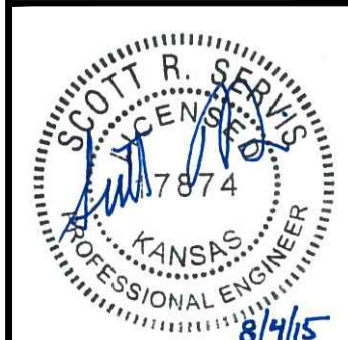
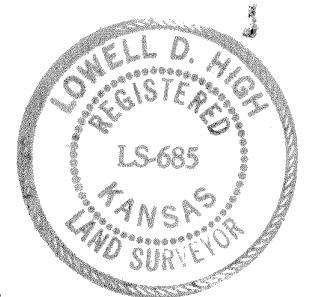
My Commission expires: July 24, 1981
James C. Shupley, Notary Public

State of Kansas, County of Sedgwick, SS.
The foregoing instrument was acknowledged before me this 18th day of February, 1980 by Jo Ann Pottorff, President of Unified School District No. 259, a Quasi-Municipality, on behalf of the Quasi-Municipality.
My Commission expires: 1-18-82
June Carter, Notary Public

This plat of "EMERSON ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this 19th day of NOVEMBER, 1979.

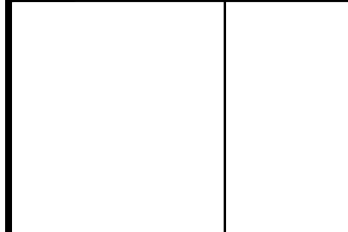
Wichita-Sedgwick County Metropolitan Area Planning Commission
William J. Goebel, Chairman
William J. Goebel
Robert A. Lakin, Secretary
Robert A. Lakin

This plat approved and all dedications shown hereon accepted by the Board of City Commissioners of the City of Wichita, Kansas, this 25th day of MARCH, 1980
Tony Casado, Mayor
Tony Casado
Donald C. Gisick, City Clerk
Donald C. Gisick



SCOTT R. SERVIS
ENGINEER
KS # 17874

200 N. EMPORIA, SUITE 100
WICHITA, KANSAS 67202-440-4309
www.kawvalley.com | www.kveing.com
PH: (316) 261-4309
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113.
EXPIRES 12/31/16



PORTION OF LOT 2,
EMERSON ADDITION
WICHITA, KS
PLAT

| | |
|-----------|----------|
| PROJ. NO. | G1400114 |
| DESIGNER | SRS |
| DRAWN BY | JSB |
| CFN | 0114WDET |
| SHEET | 12_PLAT |
| REV | |

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|-------------|-----|-----|
| DESCRIPTION | DWN | CHK |
| DATE | | |
| REV | | |

20.00