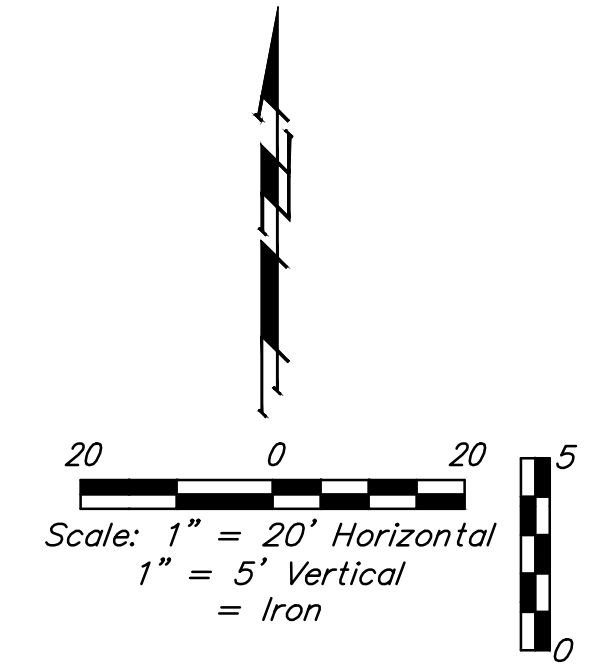


Benchmarks

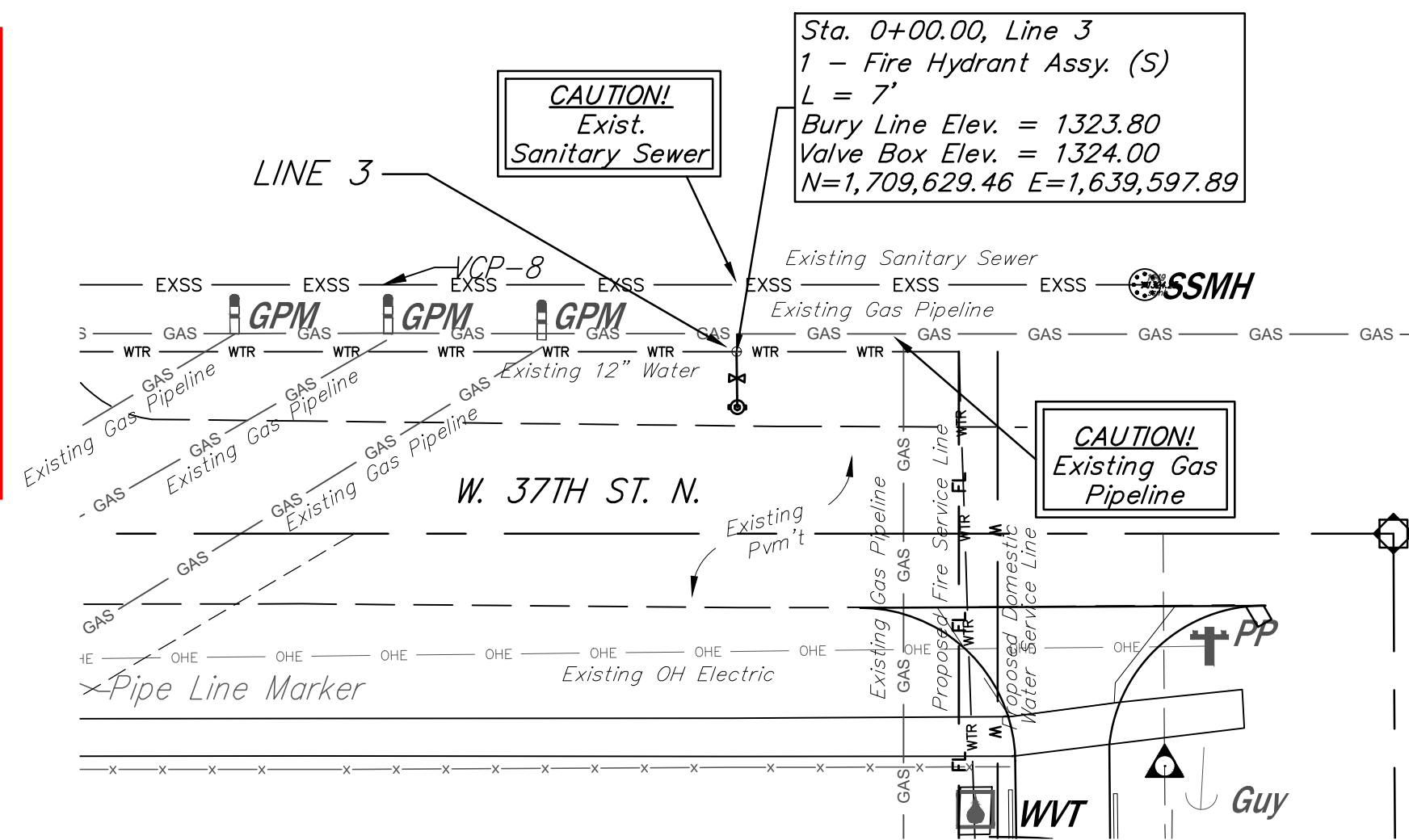
BM#1: Square chiseled on top of curb near SWS MH in center median of Womer Street.
Elev. = 1323.96 (NAVD 88)

BM#2: "X" chiseled on top of curb on the east side of the east drive ±8' north of PL.
Elev. = 1324.50 (NAVD 88)

BM#3: "X" chiseled on sidewalk near playground ±83' southwest of the southwest building corner.
Elev. = 1324.50 (NAVD 88)

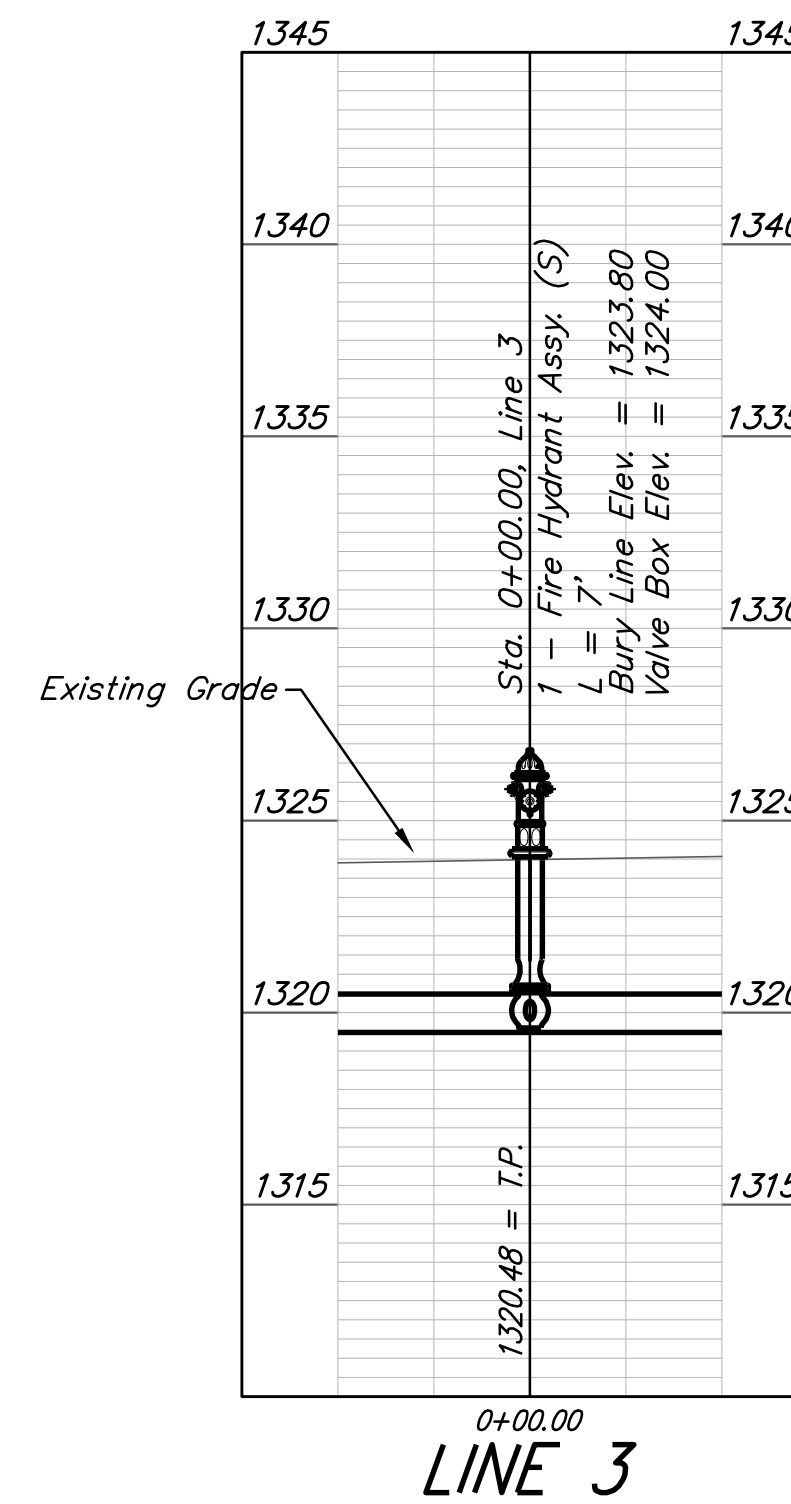


SUMMARY TABLE			
ITEM	TYPE	MANUFACTURER	QTY
12" x 4"	TAP SLEVE	SMITH-BLAIR	1
4"	TAPPING VALVE & BOX	CLOW	1
4" PVC	C900 DR18	JM EAGLE	67.88 LNFT
4" DI PIPE	DI ANSI (C151)	AMERICAN CAST IRON	10.0 LNFT
4" X 2.5"	REDUCTION		1
2.5" PVC	C900 DR18	JM EAGLE	48.75 LNFT
2.5" 90 DEGREE	CIMJ (R)	SIP PIPE PRODUCTS	1
12" X 6"	TAP SLEVE	SMITH-BLAIR	1
6"	TAP VALVE & BOX	CLOW	1
6" PVC	C900 DR18	JM EAGLE	128.9 LNFT
6" DI PIPE	DI ANSI (C151)	AMERICAN CAST IRON	10.0 LNFT
6" 90 DEGREE	CIMJ (R)	SIP PIPE PRODUCTS	1
FH ASSY W/ STORTZ NOZZEL	SUPER CENTURION 4.5"	MUELLER	1



FIRE HYDRANTS REQUIRED				
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
Line 3, 0+00.00	1323.80	*	-	N/A

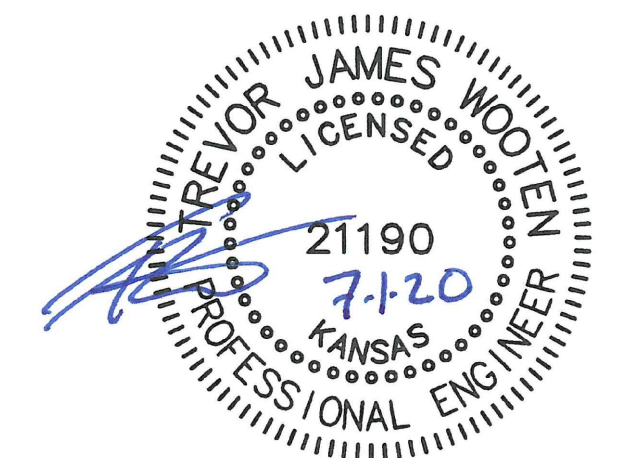
FIRE HYDRANT GATE VALVE LOCATION
EAST 109 LnFt OF CENTER LINE ST. CLAIR,
NORTH 26.5 LnFt OF CENTER LINE 37th STREET.

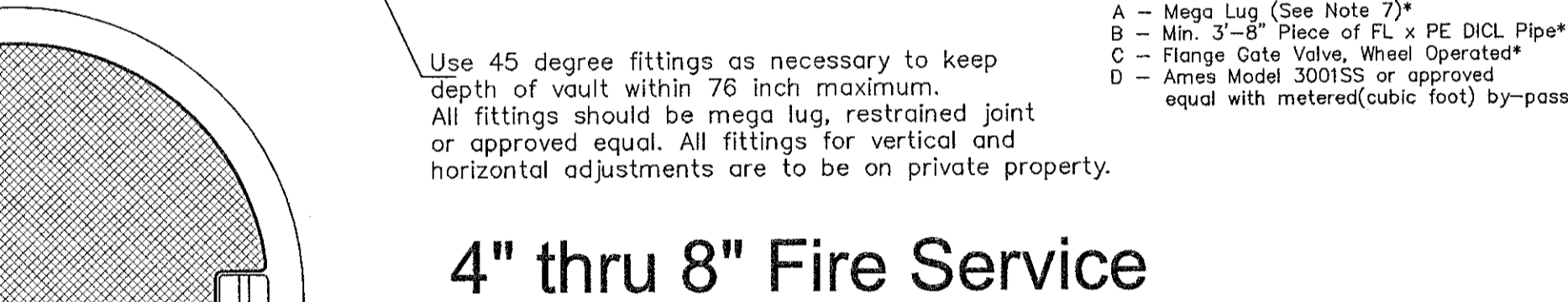
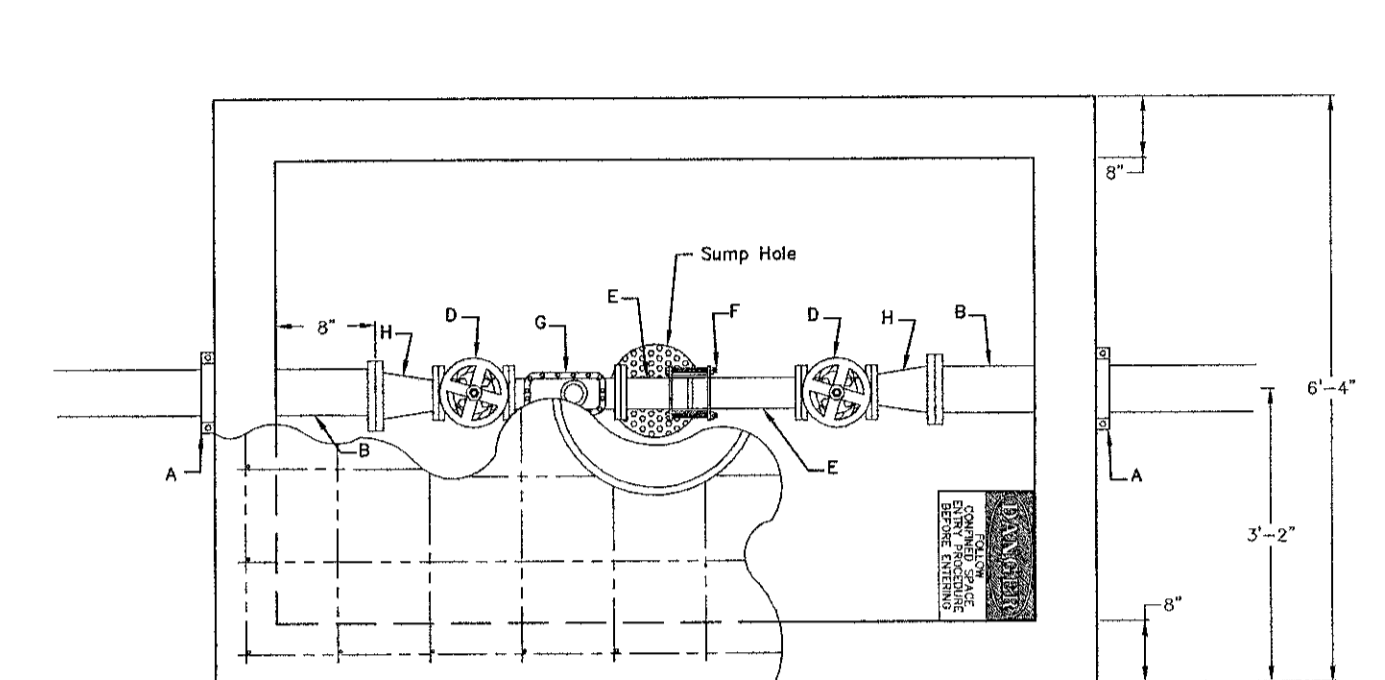
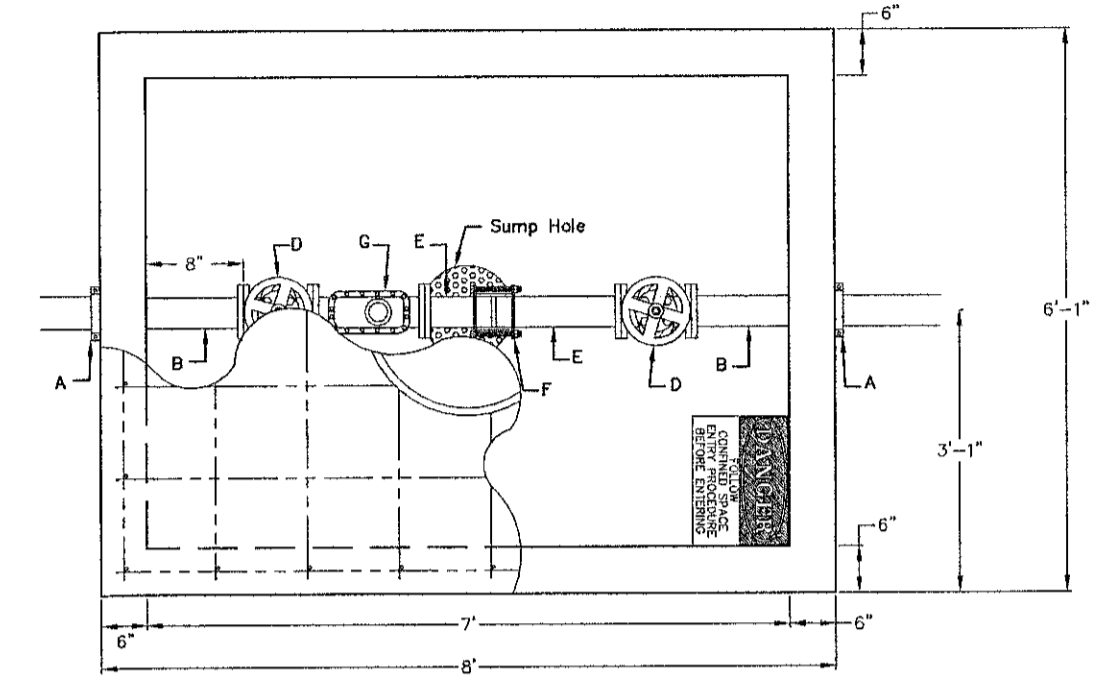
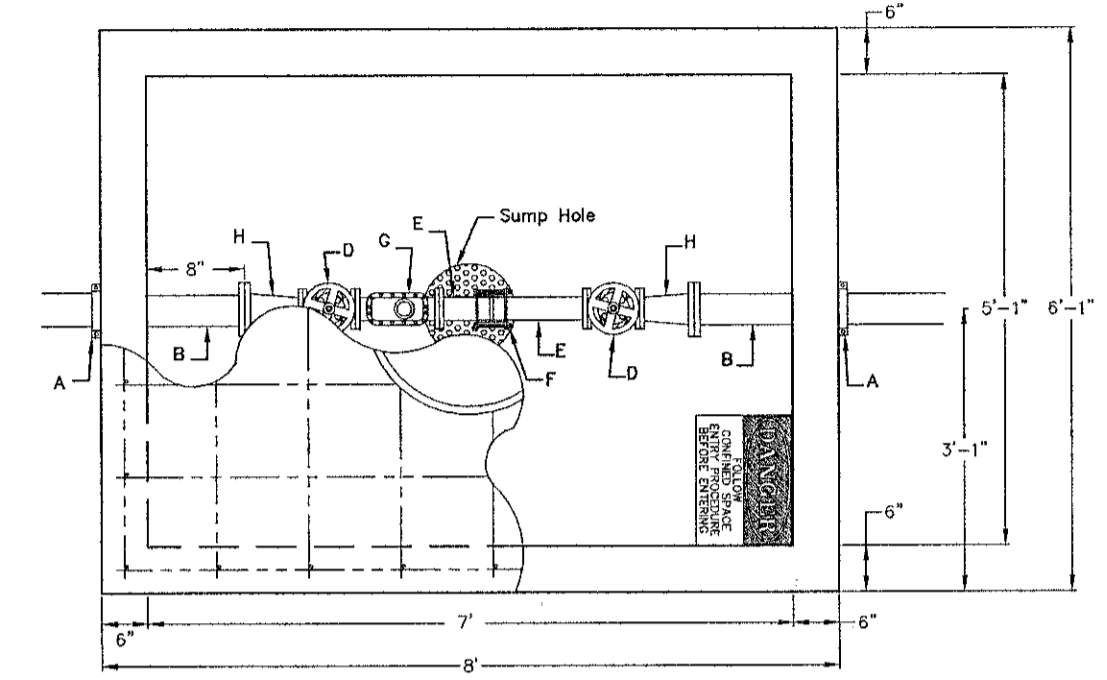
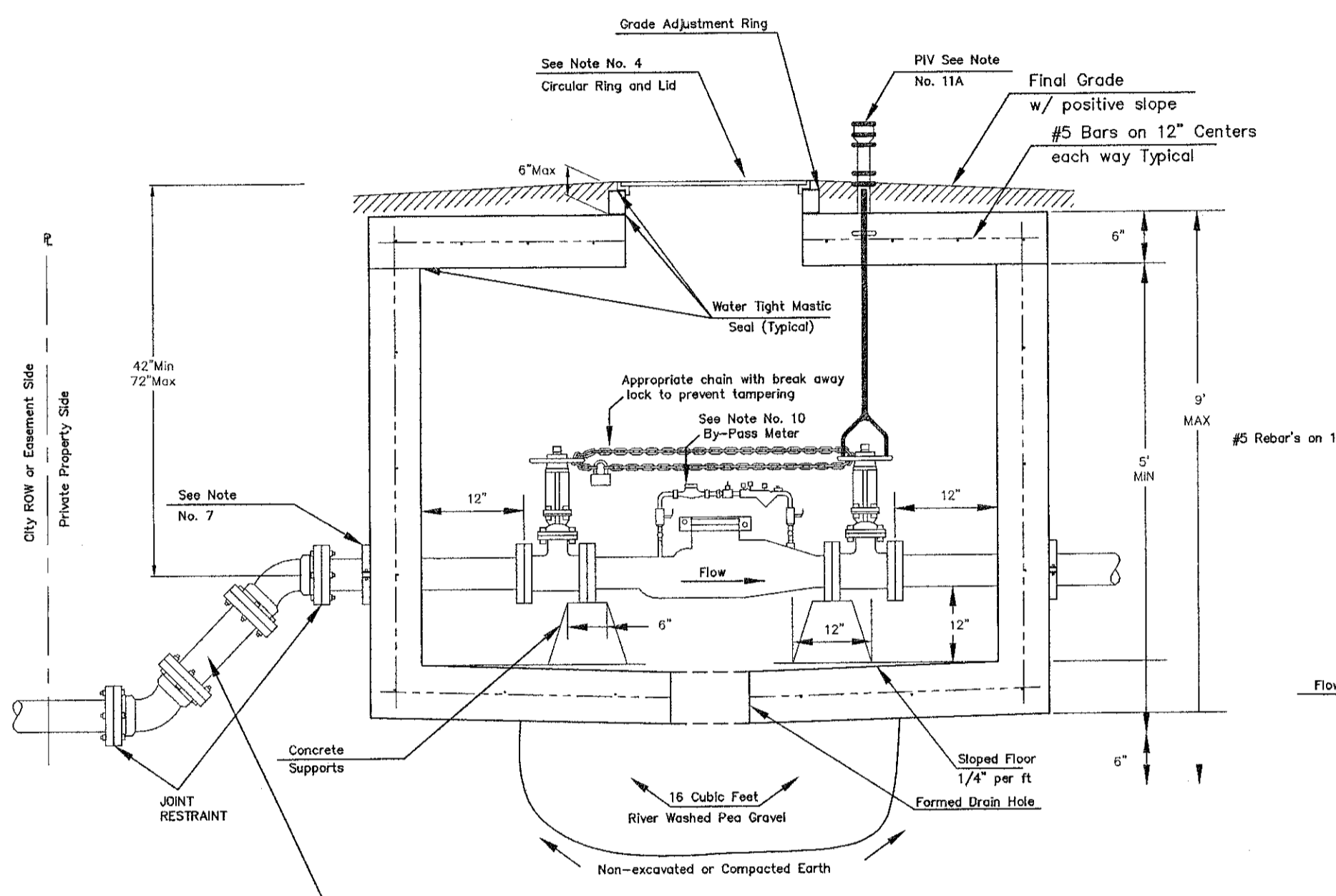
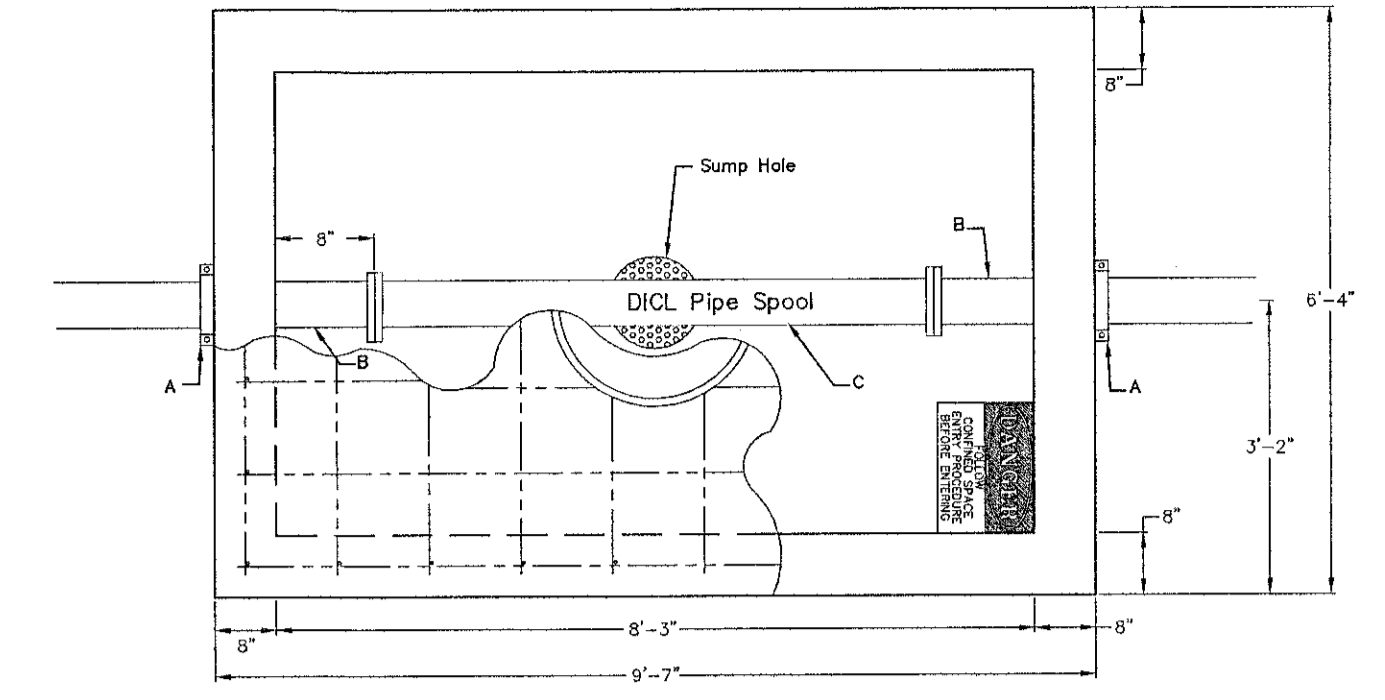
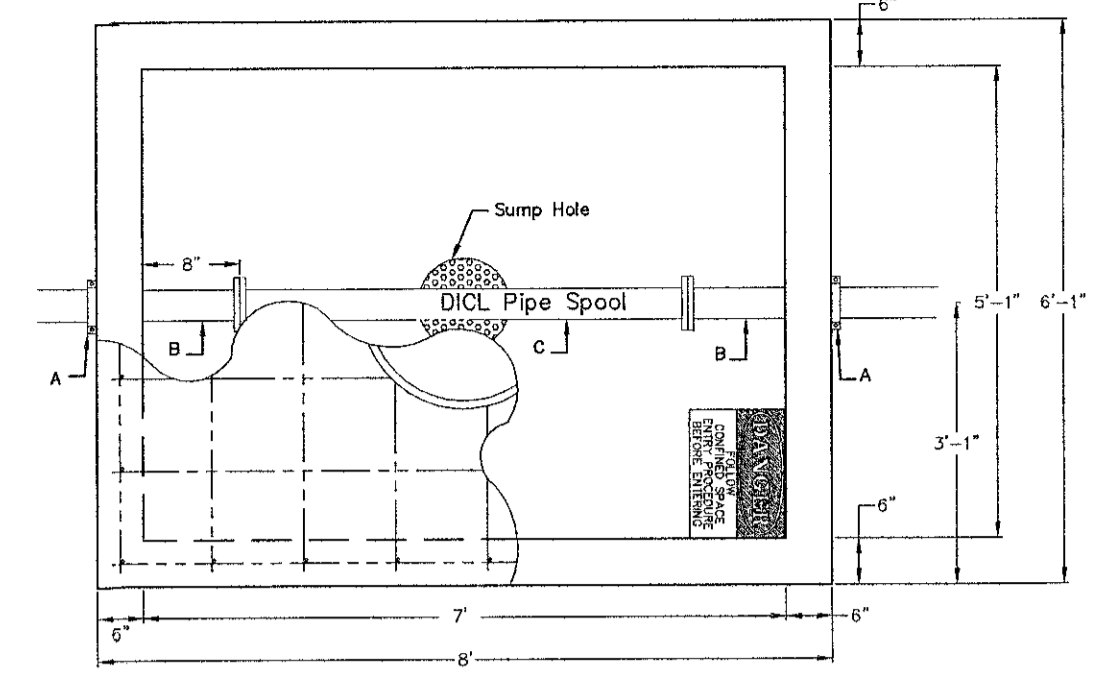
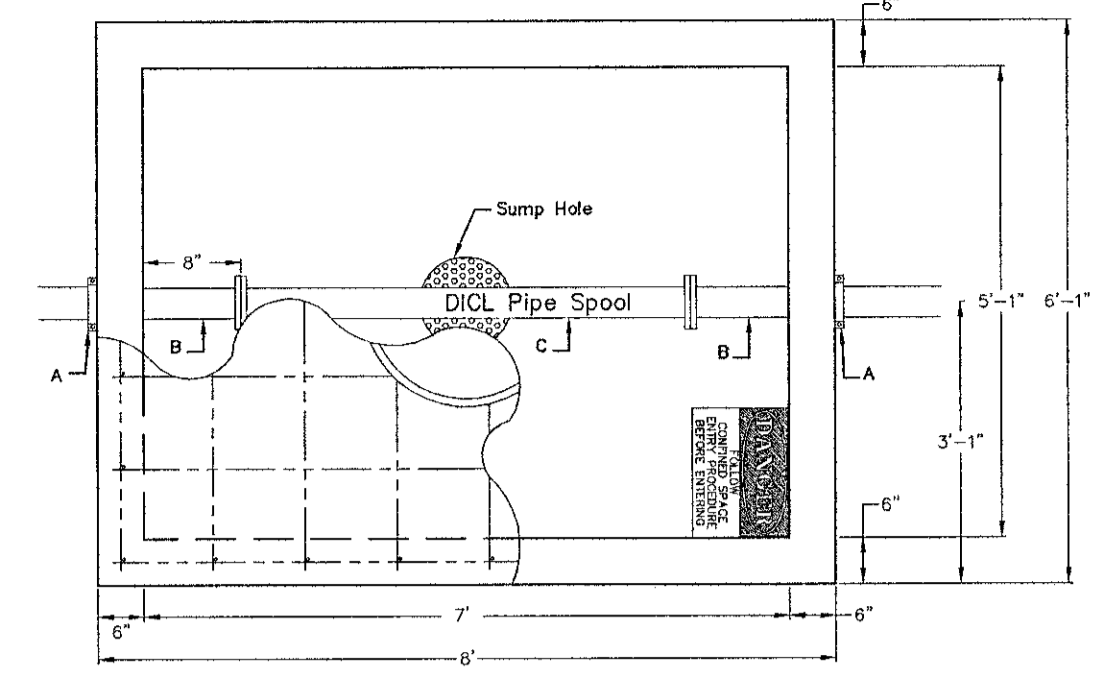
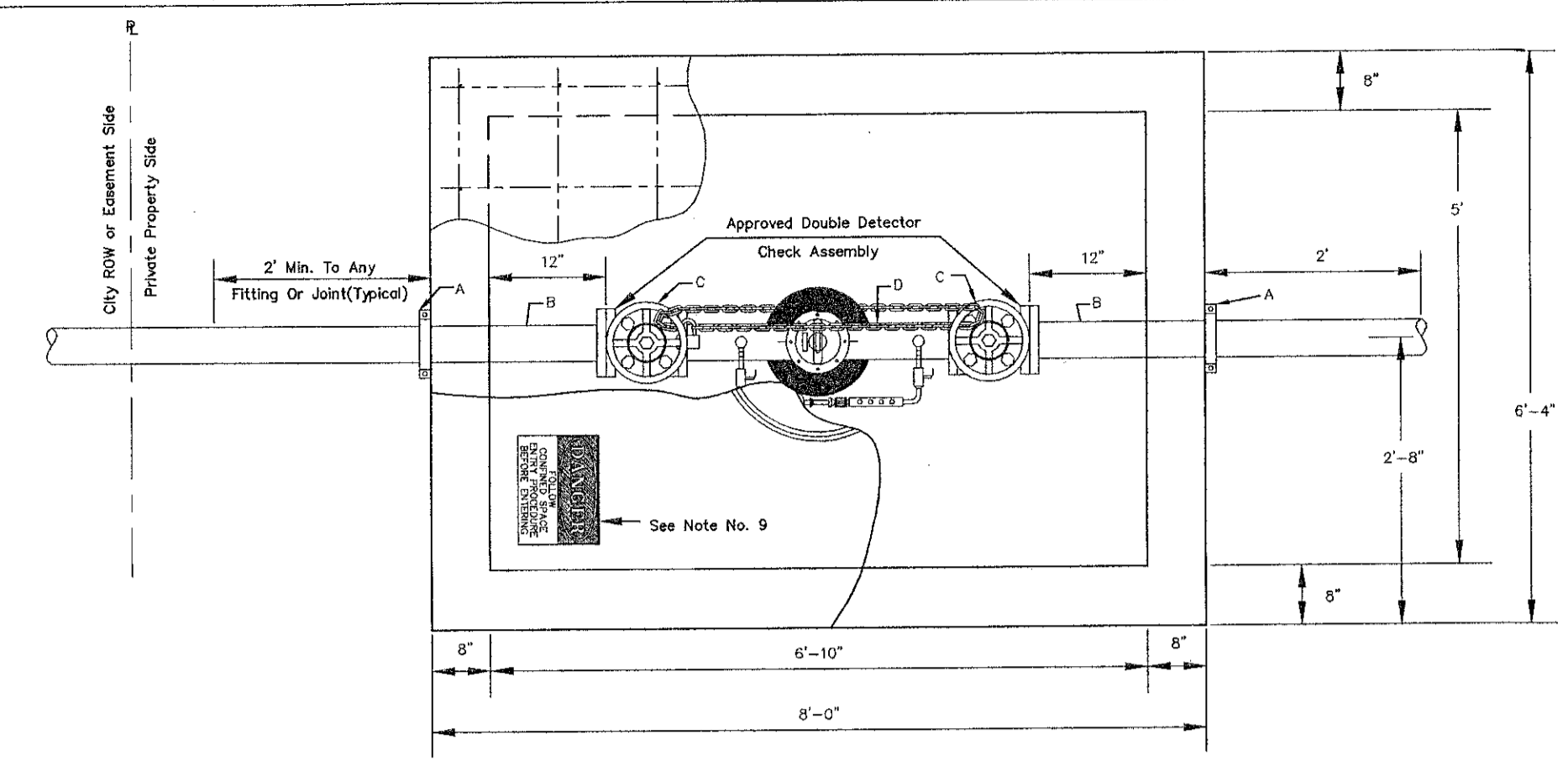


DEPTH UNKNOWN
Contractor to Verify Depth & Location of Existing Water Line Prior to Construction.

Contractor to verify depth and location of existing utilities. Contractor to relocate any existing utilities as necessary for construction.

BUILT PER PLAN





4" thru 8" Fire Service

Use 45 degree fittings as necessary to keep depth of vault within 76 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.

- A - Mega Lug (See Note 7)*
- B - Min. 3'-8" Piece of FL x PE DICL Pipe*
- C - Flange Gate Valve, Wheel Operated*
- D - Ames Model 30015S or approved equal with metered (cubic foot) by-pass assembly**

3" Domestic Service

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

- A - 4" Vault Clamp*
- B - Min. 3' Piece of 4" FL x PE DICL Pipe*
- C - 4" DICL 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.**
- H - 3" x 4" FL Reducer**

4" Domestic Service

- * = Contractor Installed
- ** = Installed By Wichita Water Utilities

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

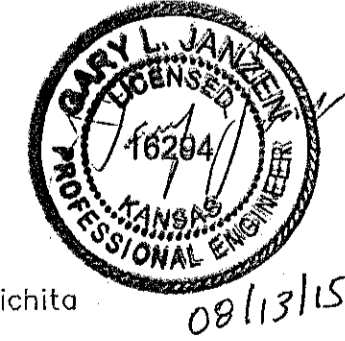
6" Domestic Service with 4" meter

- A - 6" Mega Lug (See Note 7)*
- B - Min. 3' Piece of 6" FL x PE DICL Pipe*
- C - 6" DICL 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**
- H - 6" x 4" Flange Reducer**

- Notes For All Services - 3" thru 12":
- 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.
 - 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.
 - 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.
 - 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.

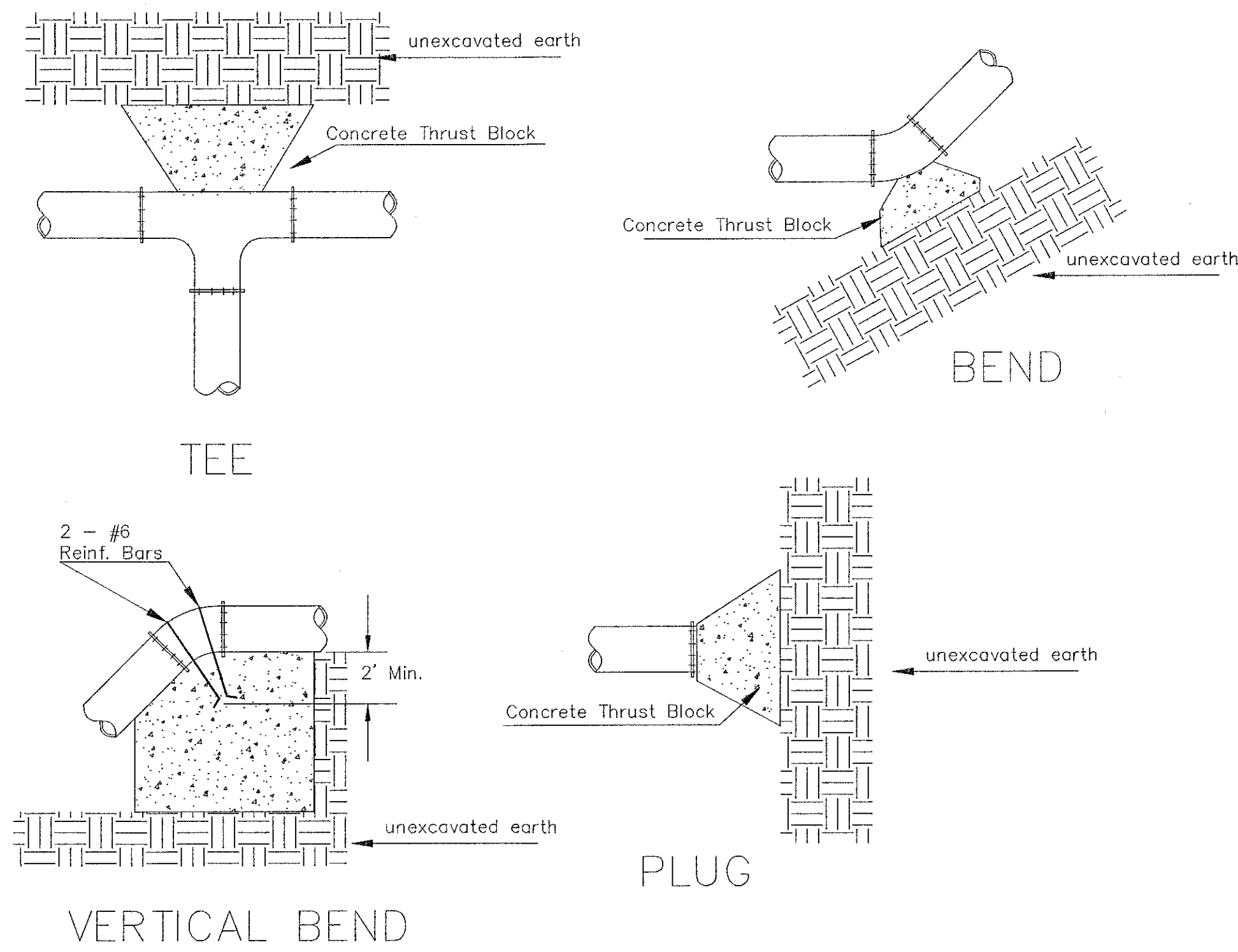
- Any fittings or appurtenances required to achieve proper elevation of pipe through the vault shall be provided by the contractor and appropriately noted on the as-builts submitted by the inspecting engineer. Such fittings shall be a minimum of 2' from the exterior wall of vault.
- For all domestic 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.
- 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.
- All valves, meters, assemblies and fitting shall be provided with sufficient concrete or other approved supports to the vault floor.
- 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: 316-291-8928 OR 316-219-8929



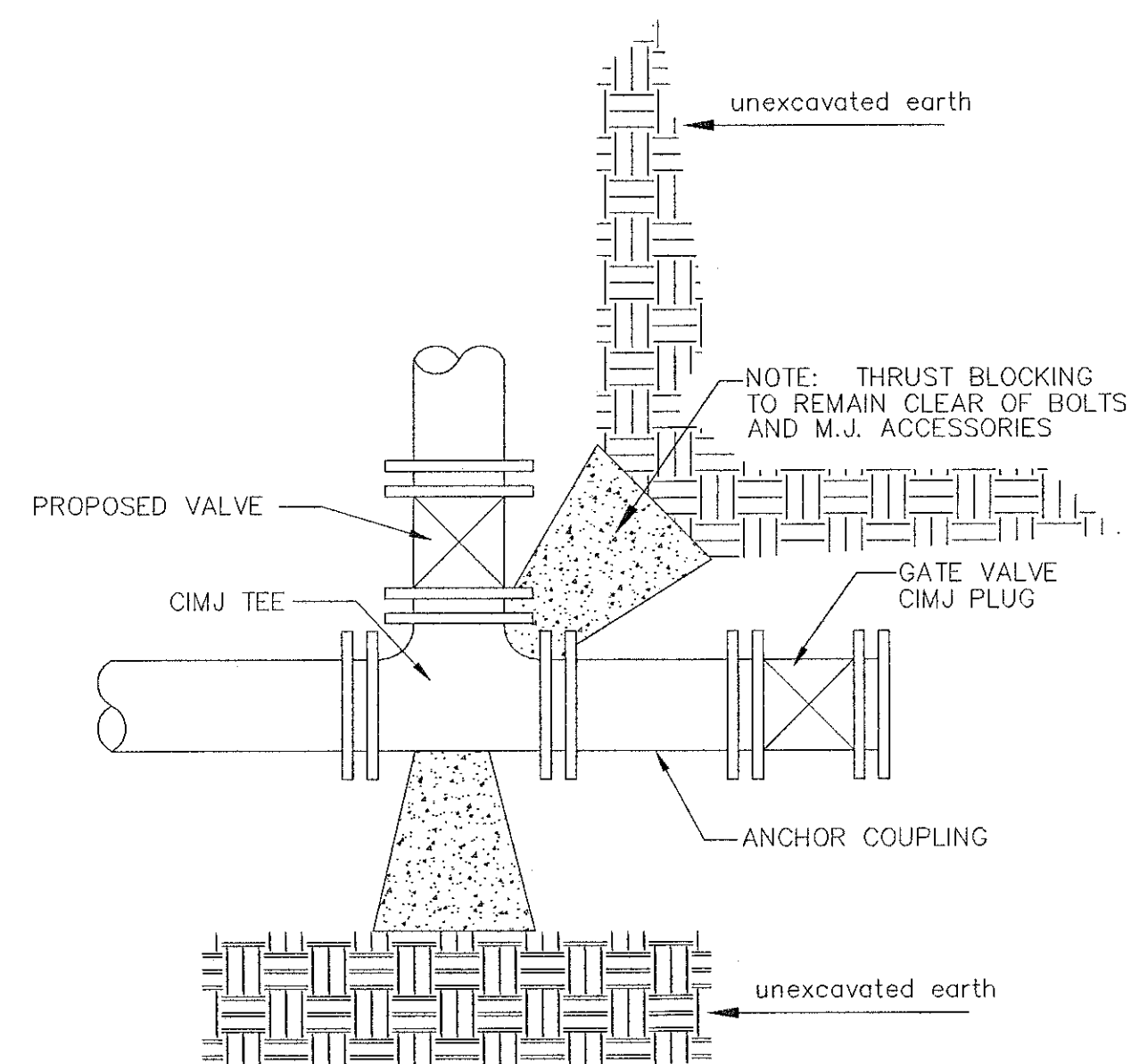
STANDARD VAULT DETAILS AND METER ASSEMBLIES		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 5 of 7

REVISED: AUGUST 2015



PIPE SIZE	THRUST AT FITTINGS IN TONS--AT 150#/IN ² P					
	PLUG	90°	45°	22 1/2'	11 1/4'	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

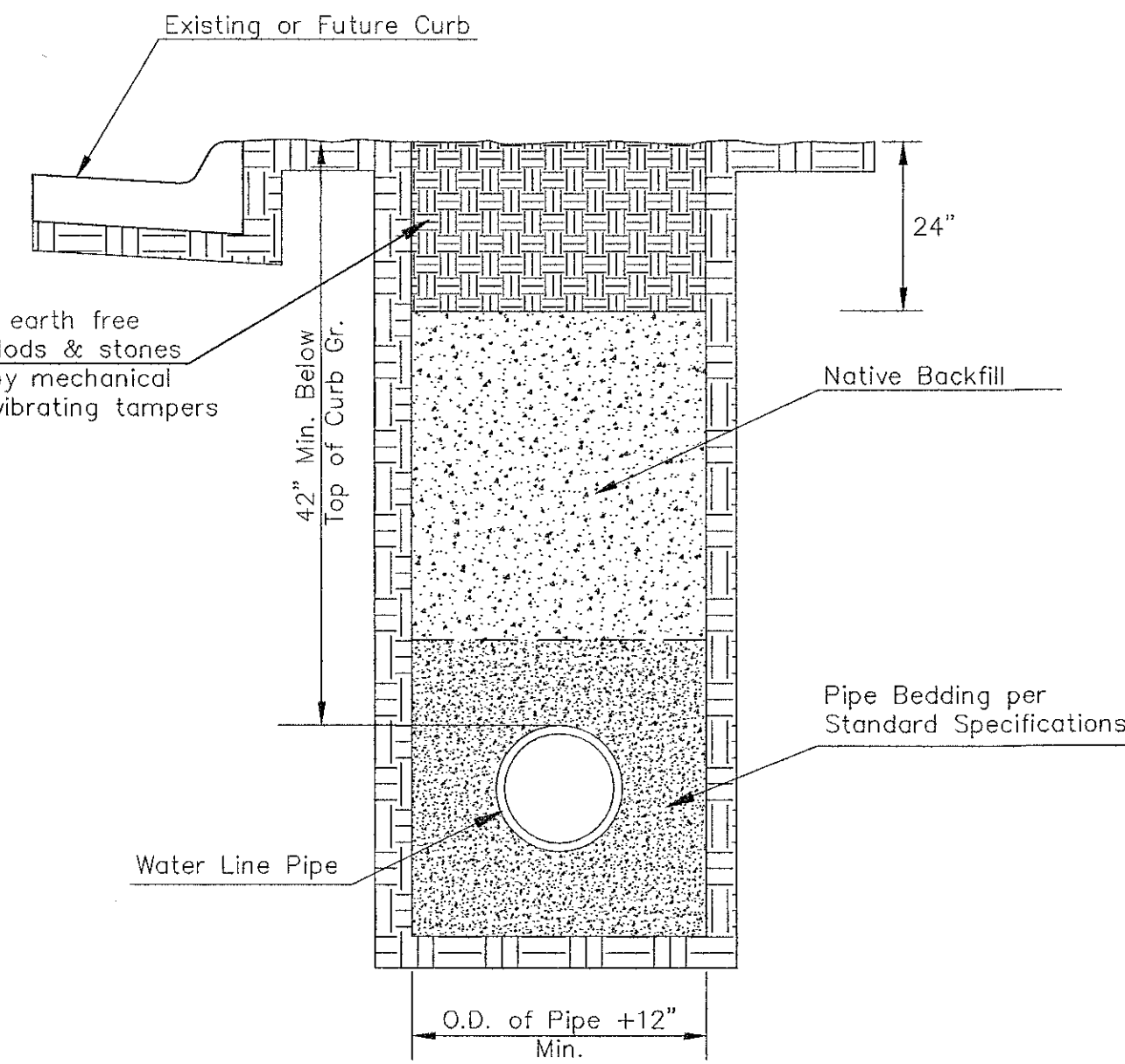
TYPICAL THRUST BLOCKS



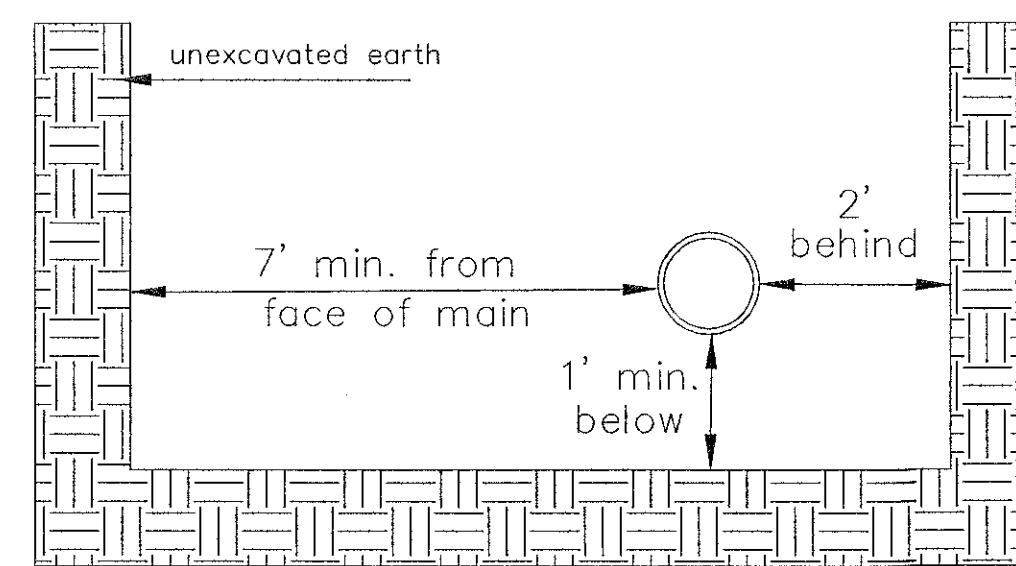
KEY BLOCK DETAIL

* PLANS GOVERN
UNLESS OTHERWISE NOTED ON PLANS

TRENCH COMPACTION IN ROAD RIGHT-OF-WAY

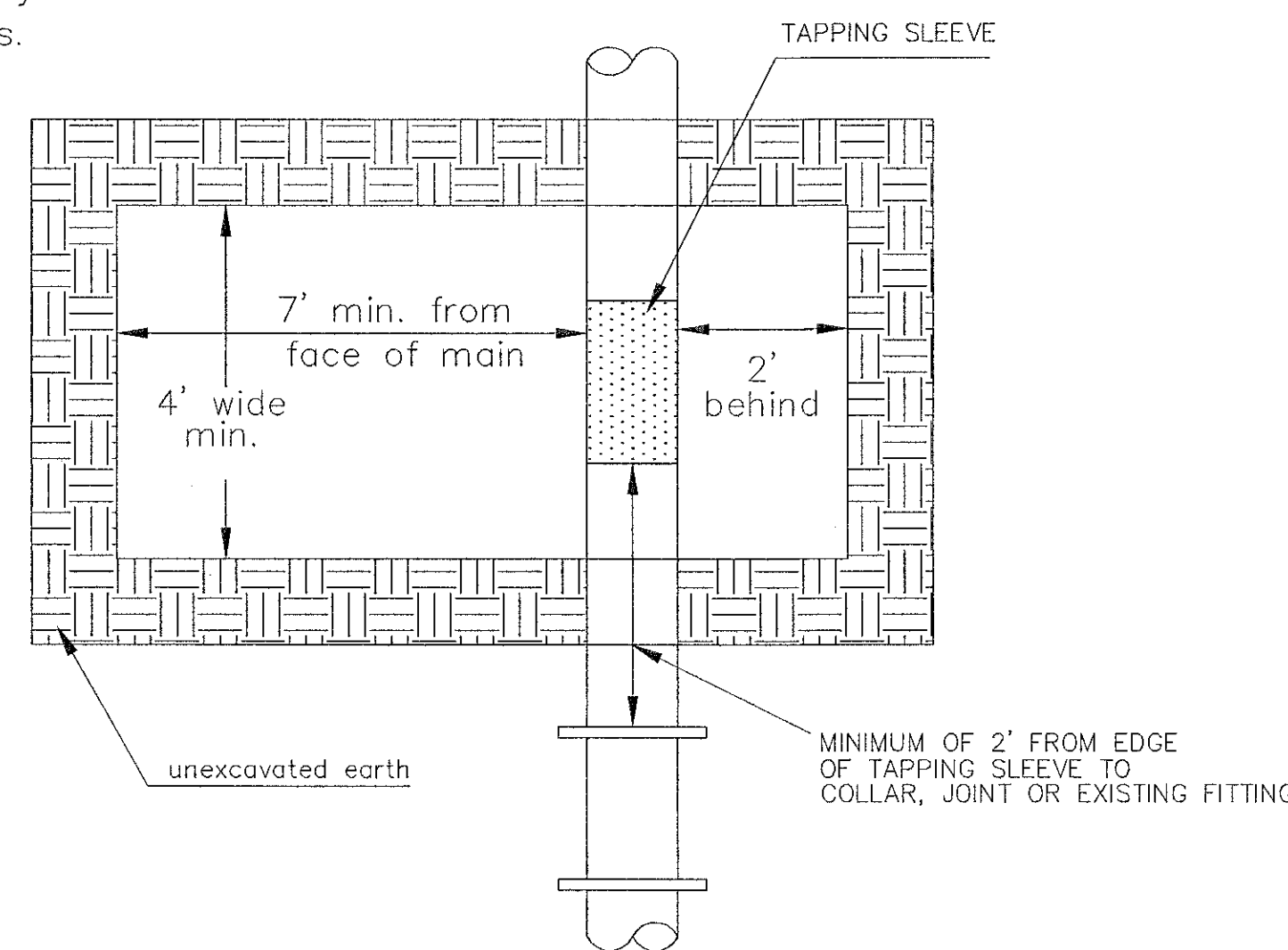


SIDE VIEW

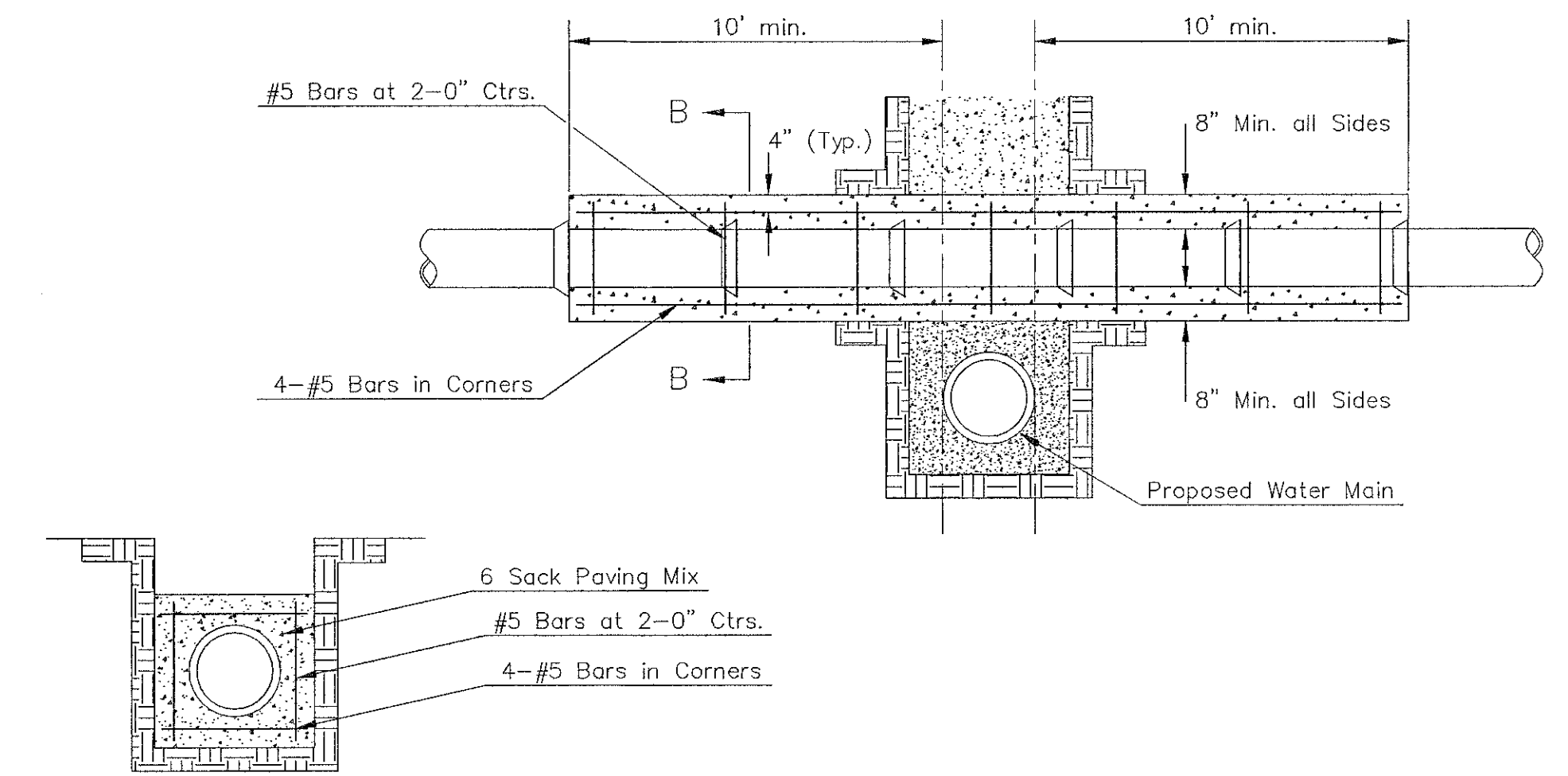


TOP VIEW

Note: When shoring is required it is to be per The City of Wichita Standard Specifications.



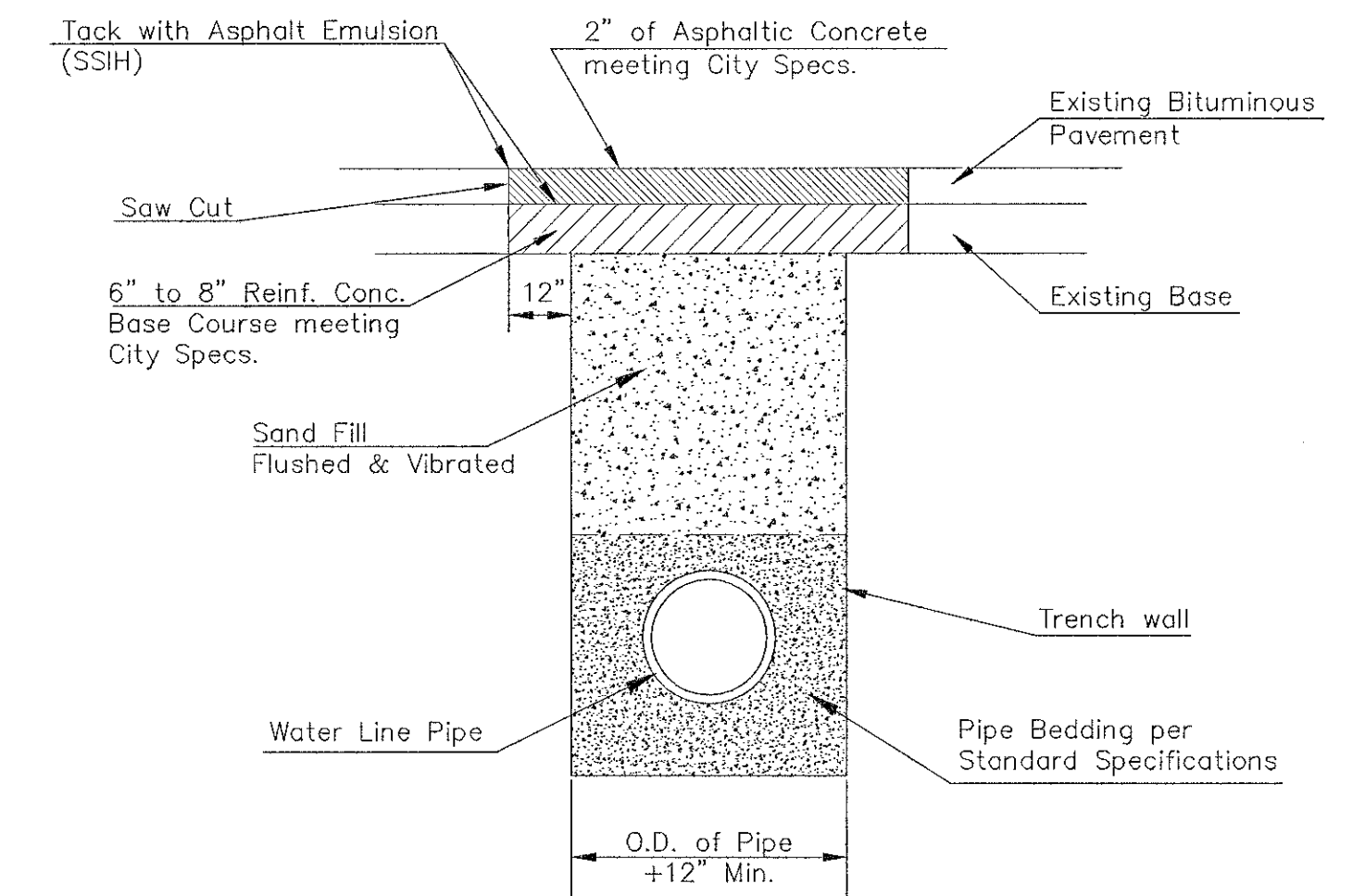
EXCAVATION FOR WET TAP



SECTION B-B

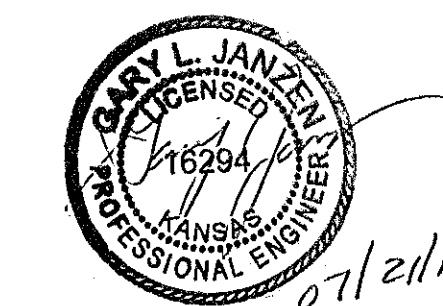
Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.

REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER



PAVEMENT REPLACEMENT & TRENCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS

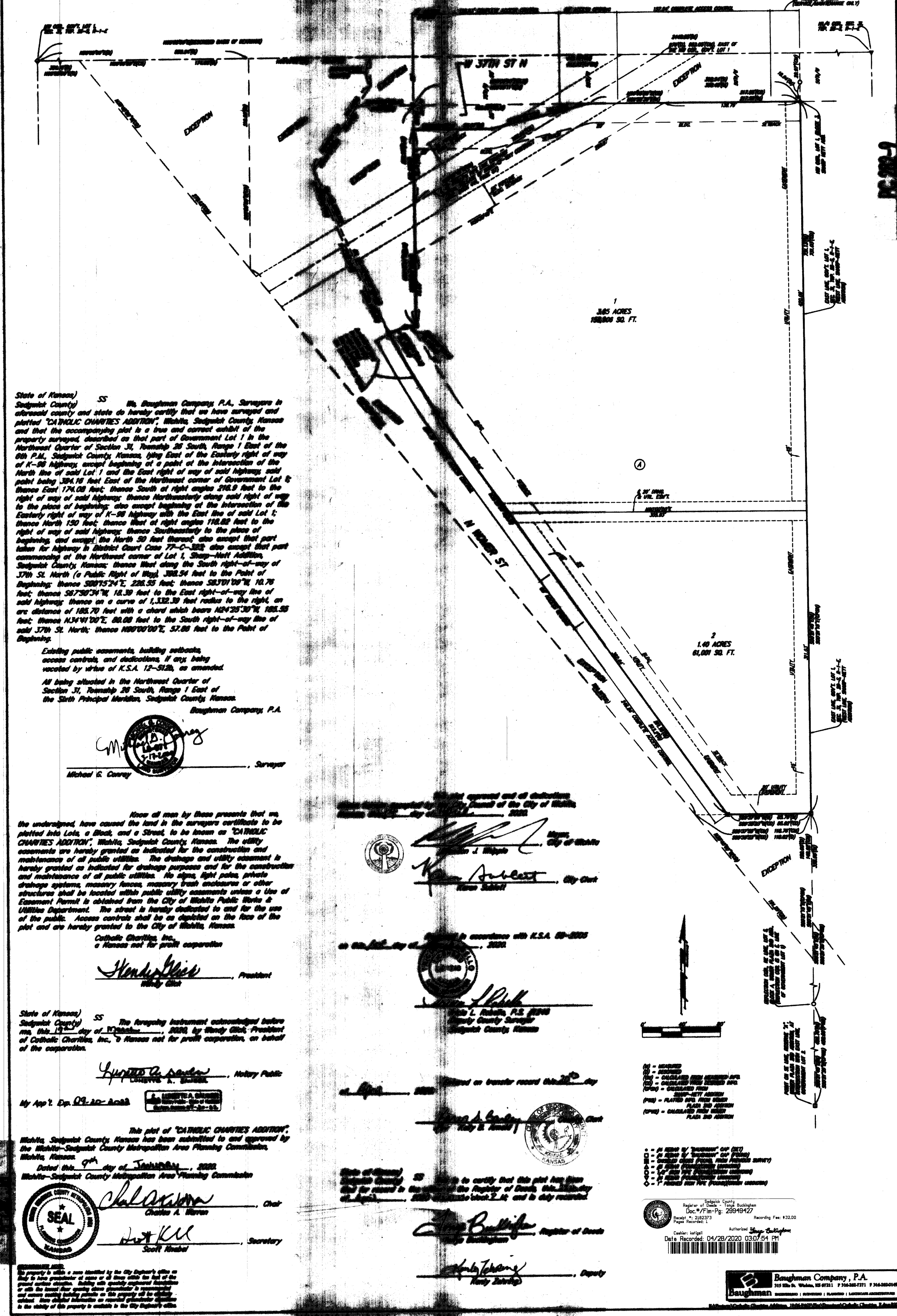
REVISED: JULY 2015



CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

MISCELLANEOUS WATER 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 6 of 7

CATHOLIC CHARITIES ADDITION
WICHITA COUNTY, KANSAS



State of Kansas) SS The Baughman Company, P.A., Surveyors to
 Sedgewick County and state do hereby certify that we have surveyed and
 plotted "CATHOLIC CHARITIES ADDITION", within Sedgewick County, Kansas
 and that the accompanying plat is a true and correct exhibit of the
 property surveyed, described as that part of Government Lot 1 in the
 Northeast Quarter of Section 31, Township 20 South, Range 1 East of the
 9th P.M., Sedgewick County, Kansas, being East of the Eastern right-of-way
 of K-98 Highway, except beginning at a point of the intersection of the
 North line of said Lot 1 and the East right-of-way of said Highway, with
 said highway 104.76 feet East of the Northeast corner of Government Lot 2;
 thence East 174.08 feet; thence South of right angles 214.8 feet to the
 right-of-way of said Highway; thence Northwesterly along said right-of-way
 to the place of beginning; also except beginning at the intersection of the
 Eastern right-of-way of K-98 Highway with the East line of said Lot 1;
 thence North 120 feet; thence East of right angles 714.88 feet to the
 right-of-way of said Highway; thence Southwesterly to the place of
 beginning; and except the North 30 feet thereof, also except that part
 taken for Highway in Sublet Court Case 77-C-202, also except that part
 commencing at the Northeast corner of Lot 1, Sharp-Hall Addition,
 Sedgewick County, Kansas; thence West along the South right-of-way of
 37th St. North (a Public Right-of-Way) 202.54 feet to the Point of
 Beginning; thence S89°12'24"E, 238.55 feet; thence S21°01'00"W, 10.76
 feet; thence S67°30'24"W, 18.30 feet to the East right-of-way line of
 said Highway; thence on a curve of 1,332.30 feet radius to the right, on
 an arc distance of 102.70 feet with a chord which bears N20°21'30"E, 102.55
 feet; thence N14°01'00"E, 88.08 feet to the South right-of-way line of
 said 37th St. North; thence N89°01'00"E, 57.88 feet to the Point of
 Beginning.

Existing public easements, utility easements,
 access easements, and dedications, if any, being
 located by virtue of K.S.A. 12-512b, as amended.
 All being attached in the Northeast Quarter of
 Section 31, Township 20 South, Range 1 East of
 the Sixth Principal Meridian, Sedgewick County, Kansas.

Baughman Company, P.A.
 Michael G. Conroy, Surveyor

None of us by these presents that we
 the undersigned, have caused the land to be surveyed heretofore to be
 plotted into Lots, a Block, and a Street, to be known as "CATHOLIC
 CHARITIES ADDITION", within Sedgewick County, Kansas. The utility
 easements are hereby granted to the City of Wichita for the installation
 and maintenance of all public utilities, the street, light poles, private
 drainage systems, necessary fences, necessary trash enclosures or other
 structures shall be located within public utility easements unless a Use of
 Easement Permit is obtained from the City of Wichita Public Works &
 Utilities Department. The street is hereby dedicated to and for the use
 of the public. Access easements shall be as depicted on the face of the
 plat and are hereby granted to the City of Wichita, Kansas.

Catholic Charities, Inc.
 a Kansas not-for-profit corporation
 President

State of Kansas) SS The foregoing instrument submitted before
 me this 13th day of September, 2020, by Henry Giles, President
 of Catholic Charities, Inc., a Kansas not-for-profit corporation, as
 authorized by its Bylaws.

Notary Public

My Exp. 02/28/2022

The plat of "CATHOLIC CHARITIES ADDITION",
 within Sedgewick County, Kansas has been submitted to and approved by
 the Wichita-Sedgewick County Metropolitan Area Planning Commission,
 Wichita, Kansas, on this 13th day of September, 2020.
 Wichita-Sedgewick County Metropolitan Area Planning Commission

Chair
 Secretary

City of Wichita
 City Clerk
 City of Wichita
 City Clerk
 City of Wichita
 City Clerk
 City of Wichita
 City Clerk

Surveyor's Seal
 Baughman Company, P.A.
 302 West 9th Street, Wichita, KS 67202
 Phone: 316.262.0149
 Fax: 316.262.0149
 www.baughmanpa.com

FOR REFERENCE ONLY
 NOT TO SCALE