

A (TO RAILROAD DITCH)	(0.01Ac)(3.85) + (0.16Ac)(1.87)	= 0.34 c.f.s.
B (TO RAILROAD DITCH VIA 201 JOSEPH ST.)	(0.13Ac)(3.85) + (0.27Ac)(1.87)	= 1.01 c.f.s.
C (TO NORTH DITCH ON JOSEPH ST.)	(0.02Ac)(3.85) + (0.01Ac)(1.87)	= 0.10 c.f.s.

STORM RUN-OFF CALCULATIONS

100 YR./20 MIN. STORM EVENT
 P.I. = 2.95 (PERVIOUS)
 P.I. = 6.08 (IMPERVIOUS)

UNDEVELOPED CONDITIONS:	DEVELOPED CONDITIONS:
Q = 0.37 Ac.(2.95) + 0.14 Ac.(6.08)	Q = 0.19 Ac.(2.95) + 0.32 Ac.(6.08)
= 1.94 c.f.s.	= 2.51 c.f.s.

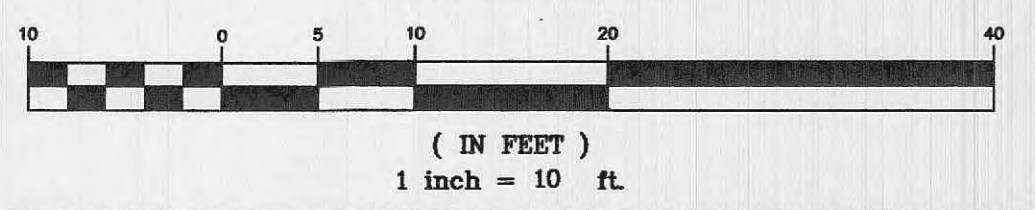
DIFFERENTIAL Q:
 Q = 2.51 - 1.94
 = 0.57 c.f.s.

A WAIVER OF DETENTION IS REQUESTED SINCE THE SITE IS LESS THAN ONE ACRE AND THE ADDITIONAL RUNOFF IS LESS THAN ONE CUBIC FOOT PER SECOND.

Call Before you Dig
 1-800-344-7483
 MISSOURI ONE-CALL SYSTEM INC.

Underground facilities, structures and utilities have been plotted from available surveys, records and information, and therefore, do not necessarily reflect the actual existence, non-existence, size, type, number of, or location of these facilities, structures, and utilities. The Contractor shall be responsible for verifying the actual location of all underground facilities, structures, and utilities, either shown or not shown on these plans. The underground facilities, structures, and utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

GRAPHIC SCALE



PROJECT TITLE:
**125 & 131 JOSEPH ST.
 EXISTING DRAINAGE**

REVISION:
MUSLER ENGINEERING COMPANY
 CIVIL ENGINEERING - PLANNING - LAND SURVEYING
 32 Portwest Court, St. Charles, Missouri 63303
 Telephone: (636) 910-0444
 FAX: (636) 910-3444
 LICENSE NO.: 14-1380
 PROJECT NO.: 14-1380
 SHEET NO.: 7 OF 12

DISCLAIMER OF RESPONSIBILITY
 I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

STATE OF MISSOURI
 JEFFREY R. SMITH
 PROFESSIONAL ENGINEER
 1-19-18

JEFFREY R. SMITH, P.E.
 MO. P.E. # E-2001004672

PREPARED FOR:
**125 JOSEPH TRUST & 131 JOSEPH TRUST
 MR. PAUL JAMES
 1278 JUNGERMANN ROAD, SUITE F
 ST. PETERS, MISSOURI 63376
 TELEPHONE: 636-262-4473
 FAX:
 E-mail: paul@stcharlesrent.com**

P & Z No.
 12-16.01 & 12-16.02
 City No.
 12-16.01 & 12-16.02

Page No. 7

1 Tree / 50' of street frontage;
187.5'/50' = 4 trees for frontage
4 street trees provided

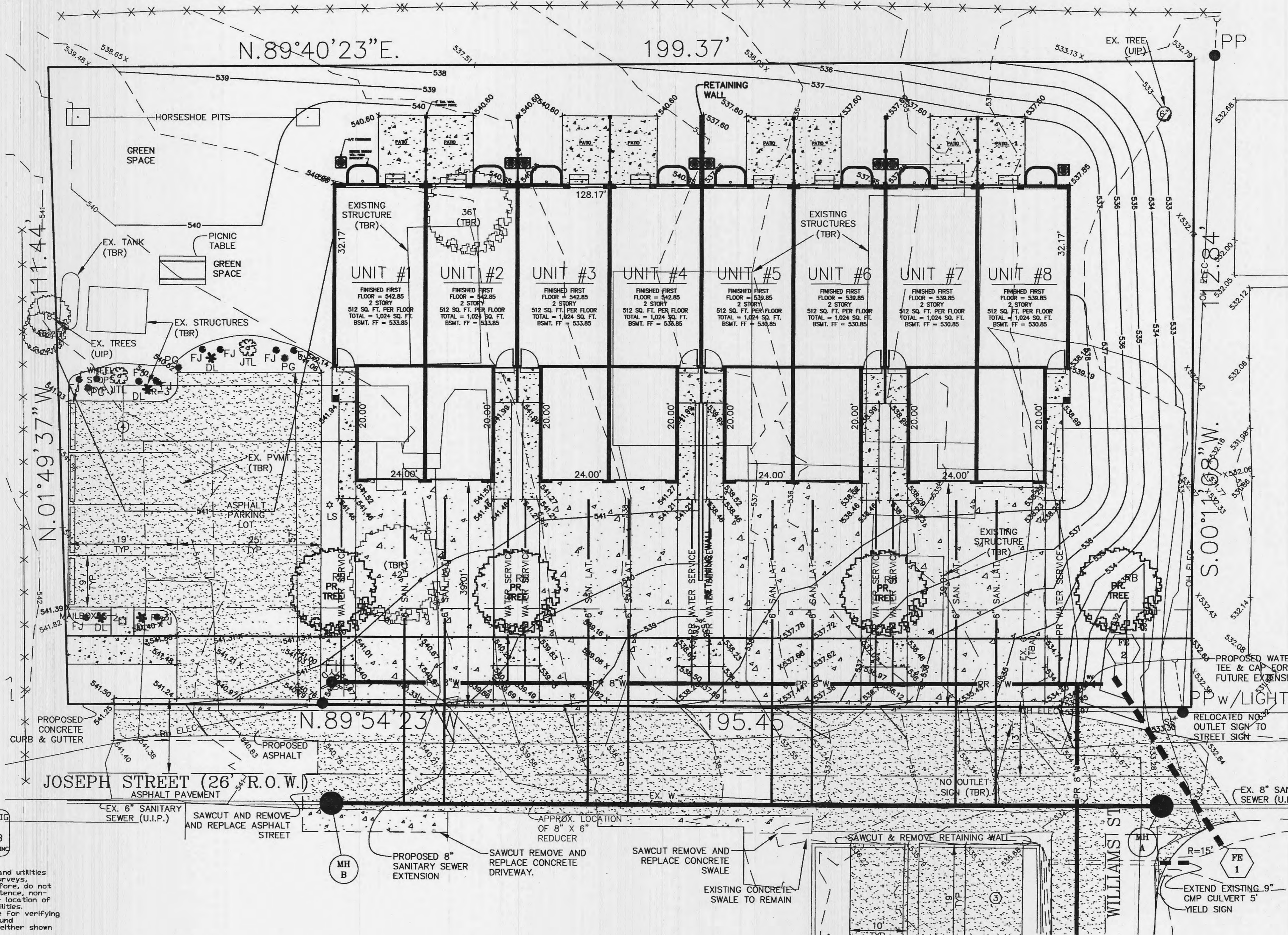
4 spaces x 270 s.f. = 1080 s.f.
1080 x 6% min = 65 s.f. min.
275 s.f. planting area provided
2 trees provided
17 shrubs provided

LANDSCAPE CALC'S

TOTAL TREES ON SITE: 3
TOTAL TREES REMOVED: 2
TOTAL TREES SAVED: 1
TOTAL TREES PROPOSED: 6
TOTAL TREES ONSITE: 7

LANDSCAPE LEGEND			
RB	REDBUD CERCIS CANADENSIS	6' TALL	4 EA.
JTL	IVORY SILK JAPANESE TREE LILAC SYRINGA RETICULATA "IVORY SILK"	2" CAL	2 EA.
PG	PAMPUS GRASS COLTADERIA SELLOANA	PLUG 18" O.C.	3 EA.
FJ	DAUB'S FROSTED JUNIPER JUNIPERUS x PFITZERIANA "DAUB'S FROSTED"	5 GAL.	10 EA.
DL	HAPPY RETURNS DAYLILY HEMEROCALLIS HYBRID "HAPPY RETURNS"	1 GAL.	4 EA.

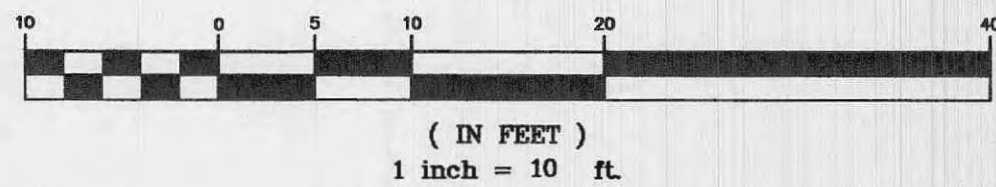
LANDSCAPE LEGEND



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TOLL FREE
1-800-344-7483
MISSOURI ONE-CALL SYSTEM INC

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GRAPHIC SCALE



PROJECT TITLE:

125 & 131
JOSEPH ST.
LANDSCAPE
PLAN

REVISIONS:

11/07/17	2	CITY COMMENTS
10/12/17	1	CITY COMMENTS

DATE: NO.:

MUSLER ENGINEERING COMPANY

CIVIL ENGINEERING - PLANNING - LAND SURVEYING
32 Portwest Court, St. Charles, Missouri 63303
Telephone: (636) 916-0444
Fax: (636) 916-3444

CERTIFICATE OF AUTHORITY: ENGINEERING E-1200-D, LAND SURVEYING, LS-284-D
DATE: AUG. 2017
DRAWN: J.R.S.
CHECKED: J.R.S.
PROJECT NO.: 14-1380
SHEET NO.: 6 OF 12

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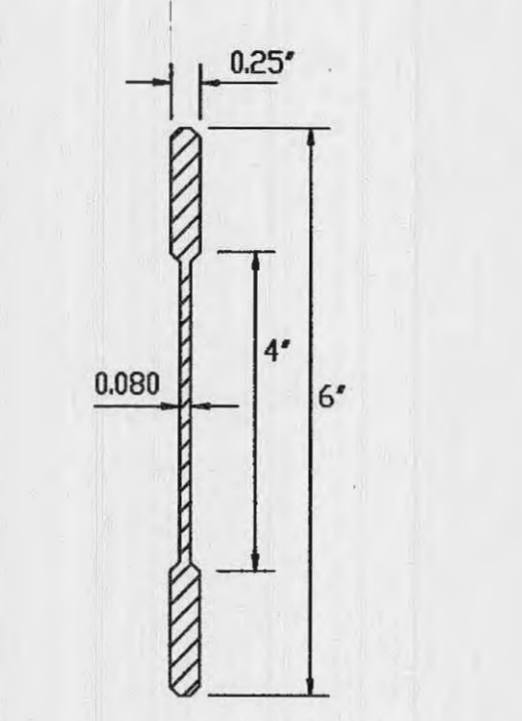
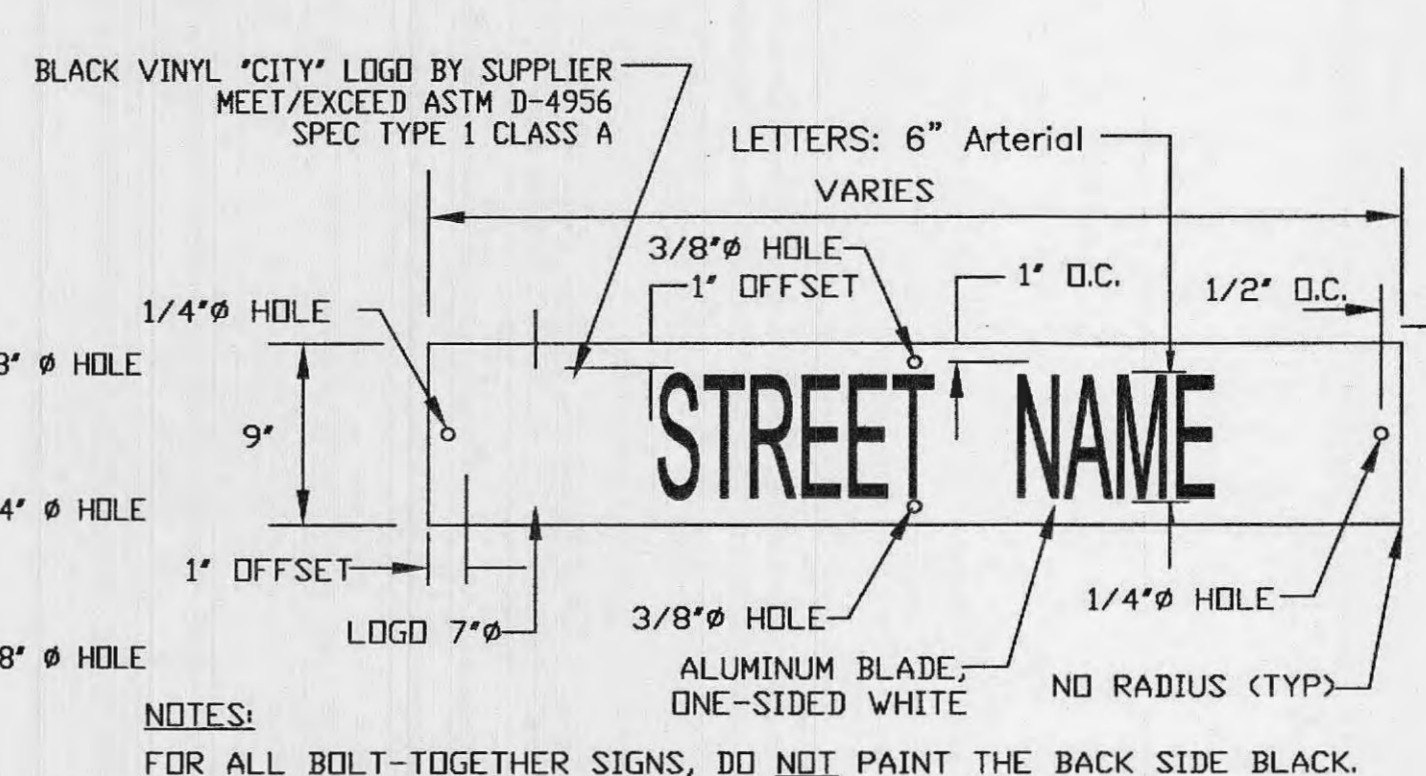
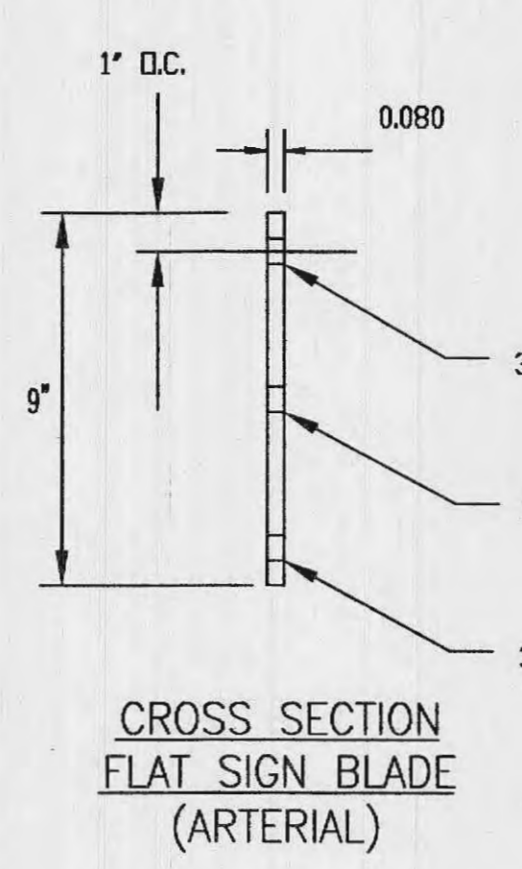
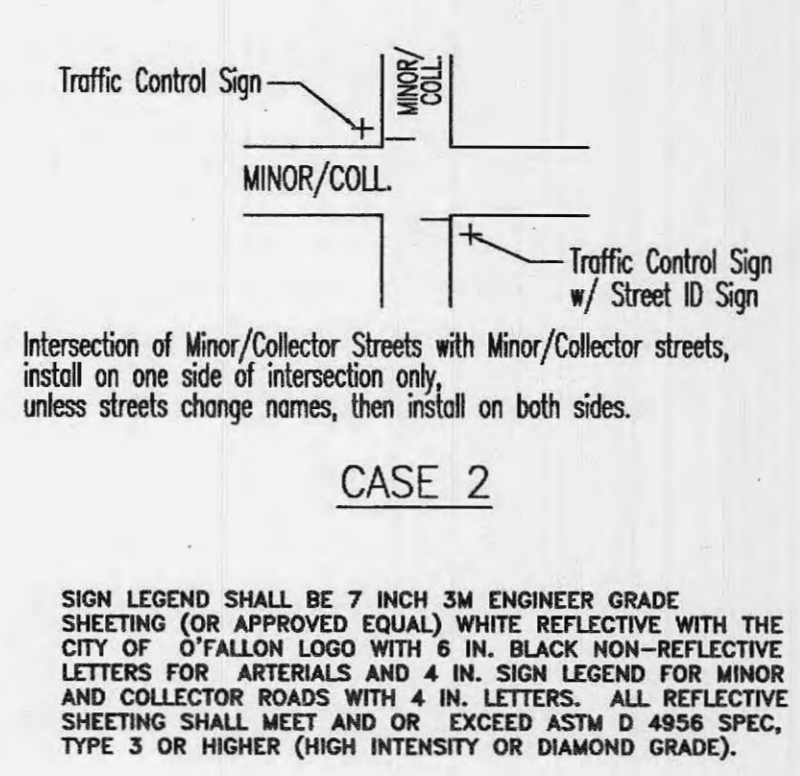
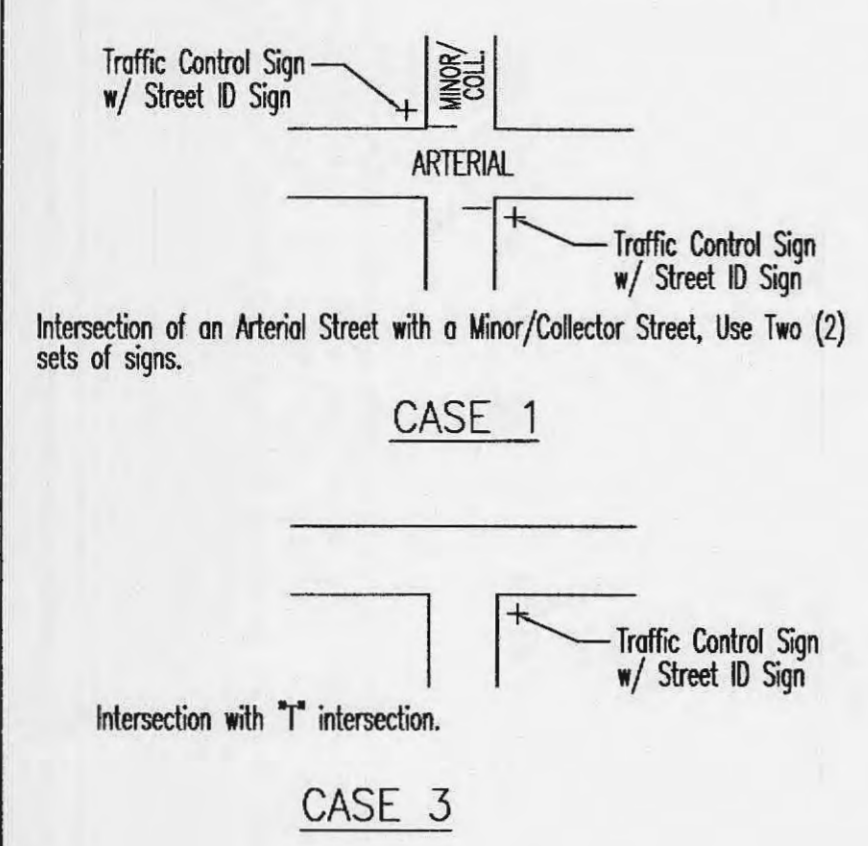
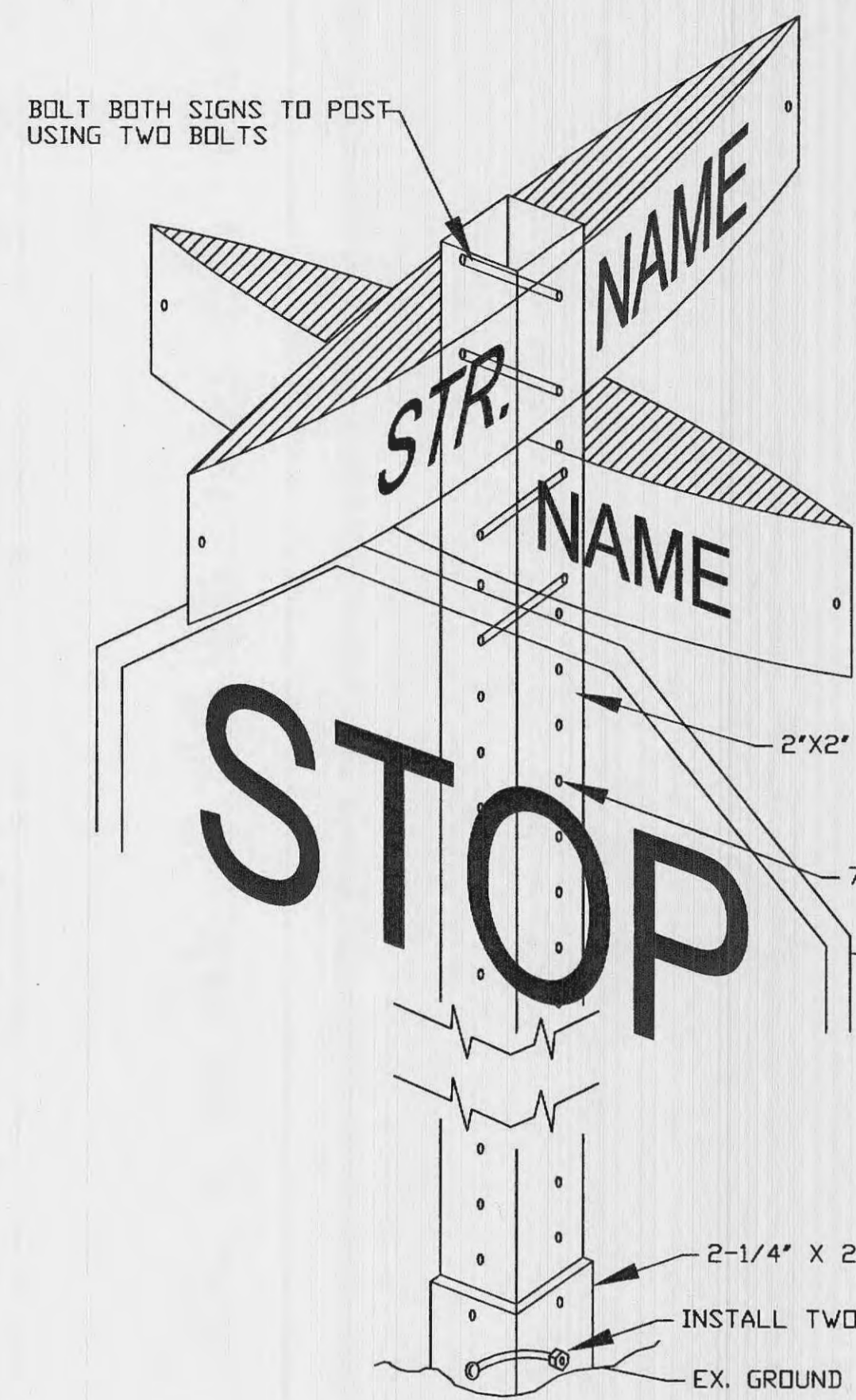


JEFFREY R. SMITH, P.E.
MO. P.E. # E-201004672

PREPARED FOR:
125 JOSEPH TRUST & 131 JOSEPH TRUST
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P & Z No.
12-16.01 & 12-16.02
City No.
12-16.01 & 12-16.02

Page No.
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- GENERAL NOTES:**
1. ALL SIGN POST AND BACK OF SIGNS THAT ARE TO BE PAINTED BLACK SHALL USE A PAINT SYSTEM THAT PROVIDES A MINIMUM 7 YEAR LIFE EXPECTANCY. MAY USE:
 - a) CARBOLINE RUSTBOND[®] BASE AT 1-2 MILS THICK,
 - b) CARBOLINE 893 SG[®] MID-LAYER AT 3-5 MILS THICK,
 - c) CARBOLINE 133 HP[®] TOP COAT OR APPROVED EQUAL, OR
 - d) ELECTROSTATIC APPLIED, BLACK POWDER COATED AND BAKED ON PAINT SYSTEM AT 2-3 MILS THICKNESS OR APPROVED EQUAL.
 2. ALL SIGN LOCATIONS AND SIZES MUST BE APPROVED BY THE ENGINEERING DIVISION PRIOR TO INSTALLATION.
 3. STREET NAME SIGN PLATES SHALL BE 9 INCHES WIDE FLAT, BOLT TOGETHER FOR ANY ARTERIAL INTERSECTIONS AND 6 INCHES WIDE EXTRUDED ALUMINUM PANELS FOR ALL MINOR AND COLLECTOR ROADS. TYPICAL LENGTHS FOR MINOR AND COLLECTOR SIGNS SHALL BE 24, 30 & 36 INCH LENGTHS, OR LONGER AS NEEDED, TO ACCOMMODATE STREET NAME.
 4. SIGN LEGEND SHALL BE 7 INCH 3M ENGINEER GRADE SHEETING (OR APPROVED EQUAL) WHITE REFLECTIVE WITH THE CITY OF O'FALLON LOGO WITH 6 IN. BLACK NON-REFLECTIVE LETTERS FOR ARTERIALS AND 4 IN. SIGN LEGEND FOR MINOR AND COLLECTOR ROADS WITH 4 IN. LETTERS. ALL REFLECTIVE SHEETING SHALL MEET AND OR EXCEED ASTM D 4956 SPEC. TYPE 3 OR HIGHER (HIGH INTENSITY OR DIAMOND GRADE).
 5. SIGN POSTS SHALL BE HEAVY 'U' CHANNEL (2 LBS/FT) PAINTED BLACK STEEL POSTS FOR COLLECTOR/MINOR STREETS. ARTERIAL STREETS SHALL HAVE 2" SQUARE POSTS WITH BREAKAWAY ASSEMBLY.
 6. SIGN POSTS SHALL EXTEND A MINIMUM OF 30 INCHES IN THE GROUND AND PLUM.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN OR NOT SHOWN. PLEASE CONTACT CITY FOR LOCATION OF CITY UTILITIES NOT FOUND BY DIG-RITE SERVICES.
 8. SIGNS SHALL NOT CREATE A SITE DISTANCE PROBLEM OR CONFLICT WITH PEDESTRIAN TRAFFIC.
 9. SPEED LIMIT SIGNS MUST BE AT EVERY ENTRANCE TO A SUBDIVISION ALONG THE LOT LINE BETWEEN FIRST AND SECOND LOT AND APPROXIMATELY EVERY TWO THOUSAND FEET THERE AFTER. ALSO, EVERY CONNECTING SIDE STREET MUST HAVE ONE SPEED LIMIT SIGN APPROXIMATELY FIFTY FEET FROM INTERSECTION AND APPROXIMATELY EVERY TWO THOUSAND FEET THERE AFTER.
 10. ALL SIGNS UNLESS OTHERWISE STATED, SHOULD BE CONSTRUCTED AND INSTALLED PER MUTCD.

2"x2" 14 GAUGE SQUARE SIGN POST, PAINTED BLACK.

7/16" Ø HOLES, 1" O.C., ON FOUR SIDES, ON FULL LENGTH OF POST

ALL TRAFFIC CONTROL SIGNS SHALL HAVE THE BACK SIDES PAINTED BLACK. INCLUDES STOP SIGNS, SPEED LIMIT SIGNS, YIELD SIGNS, NO PARKING SIGNS, ETC.

2-1/4" x 2-1/4" x 3", 14 GAUGE SQUARE SIGN BASE, PAINTED BLACK.

INSTALL TWO 1-3/4" x 2" x 2-1/4" CORNER BOLT W/ HEX NUT

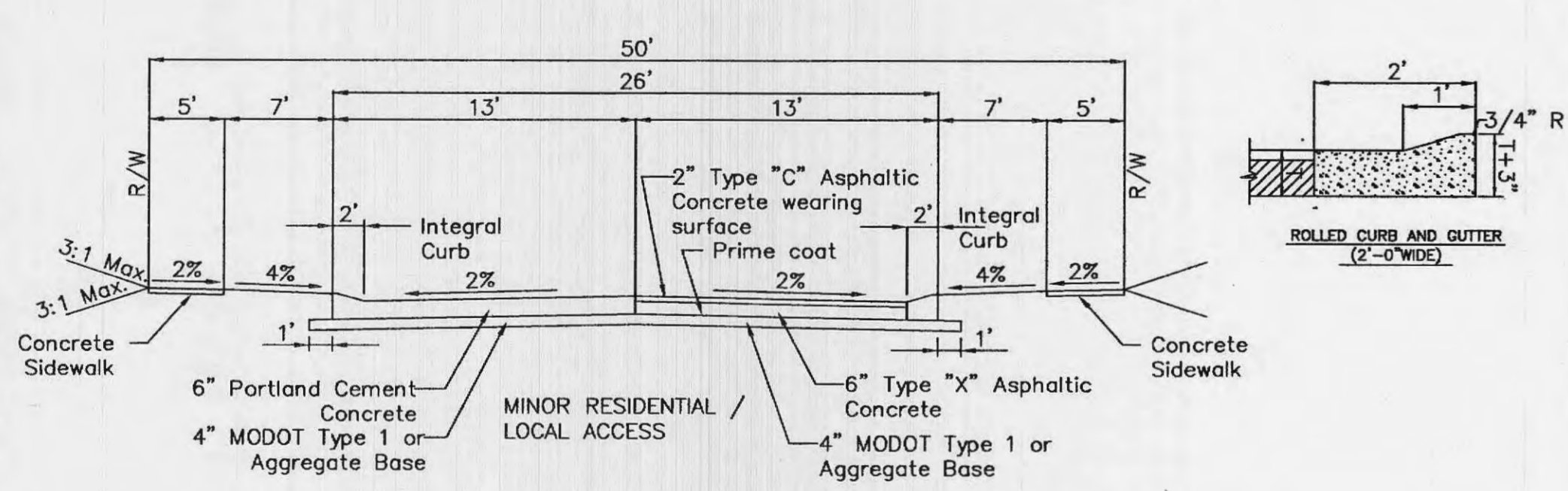
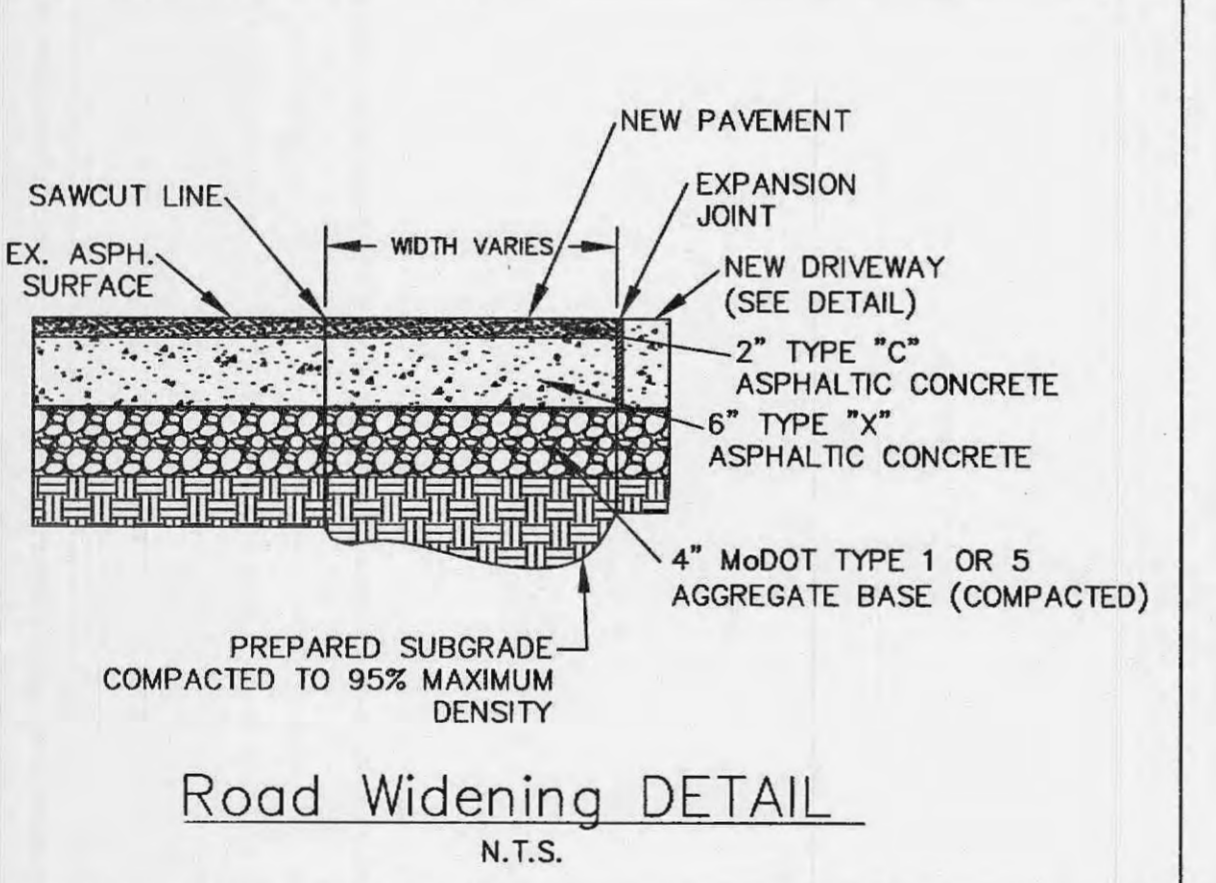
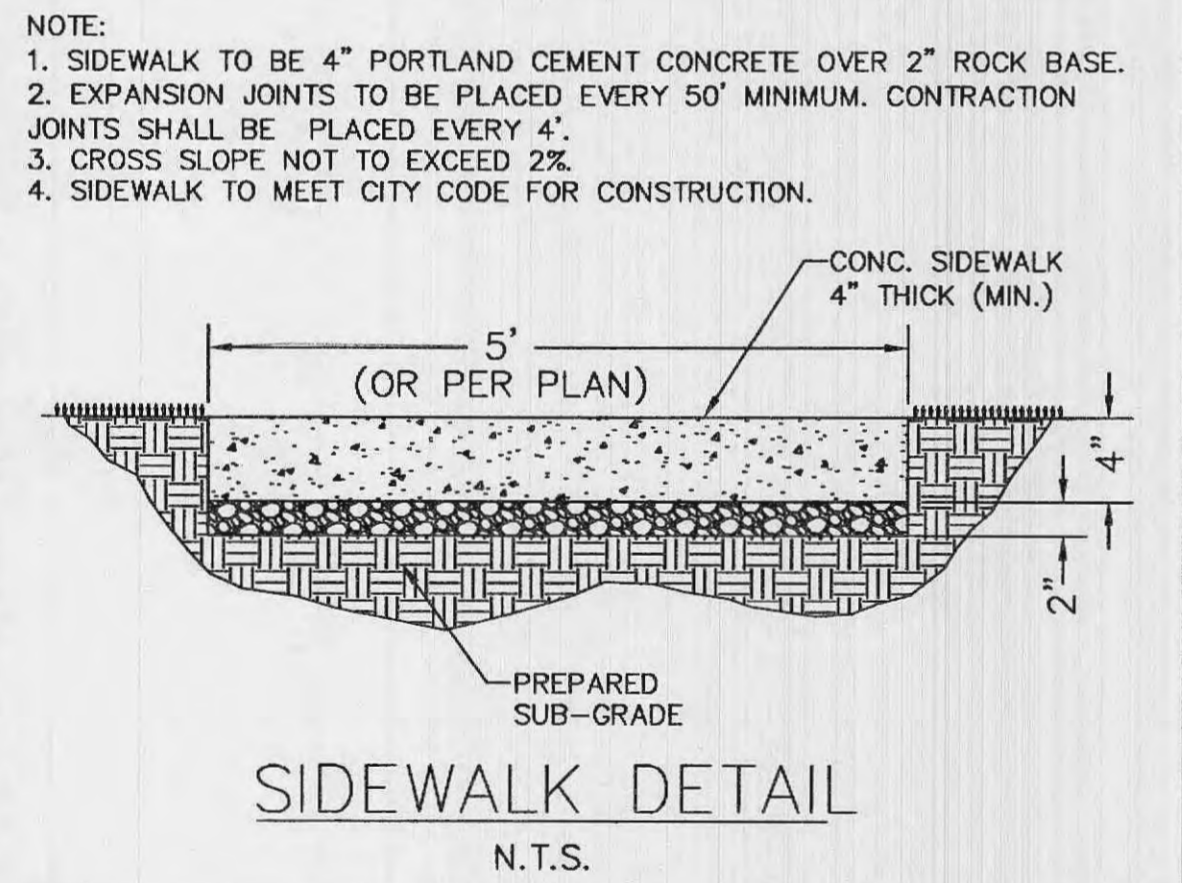
EX. GROUND

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

ARTERIAL
SIGNS

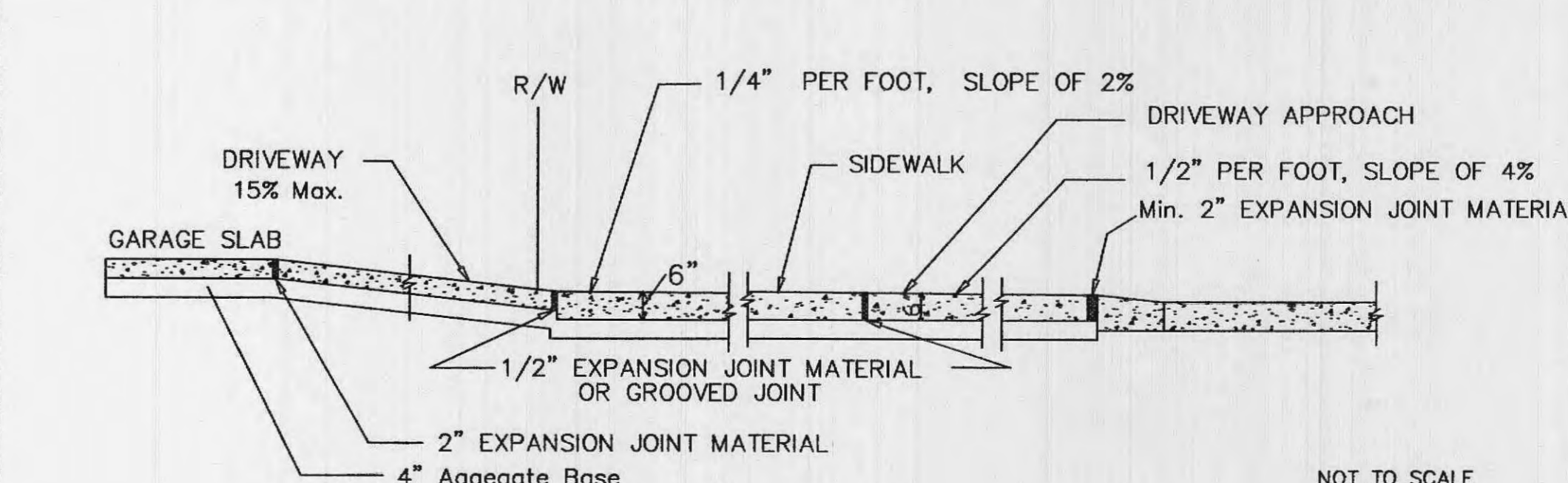
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

SIGNS,
DETAILS AND LOCATIONS



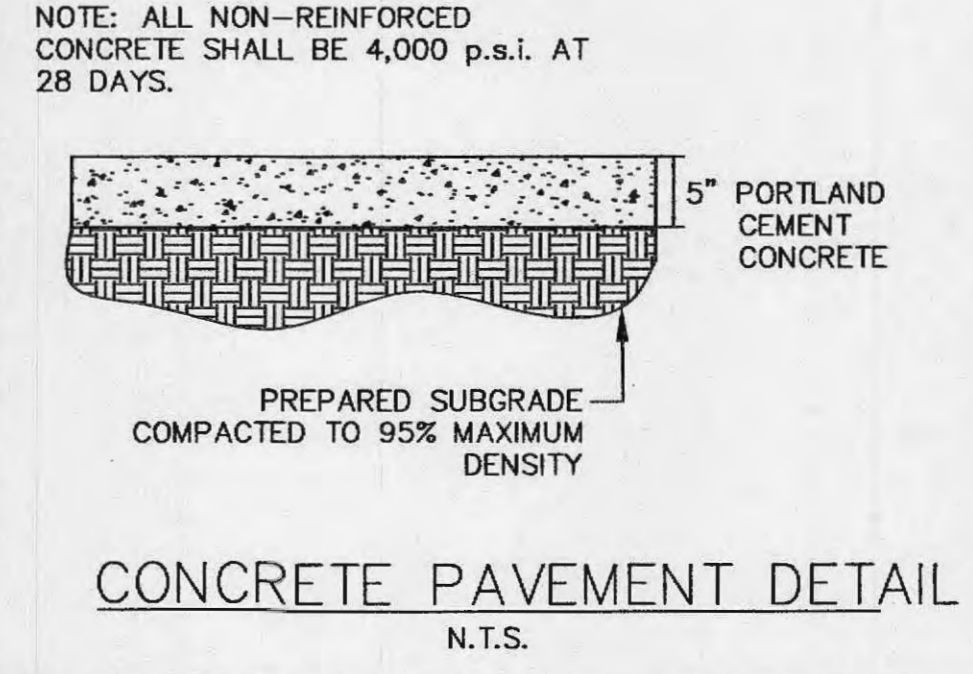
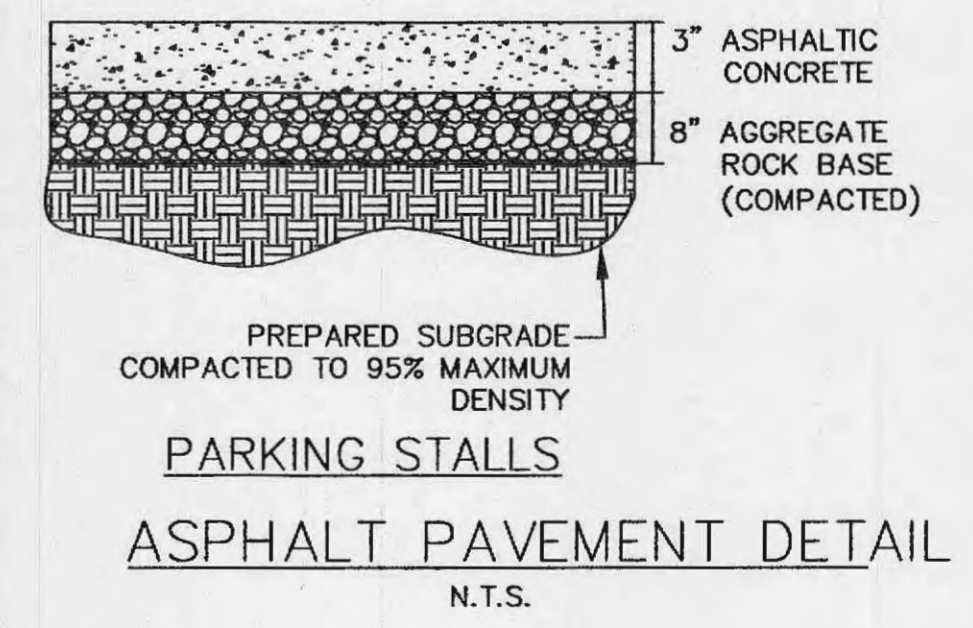
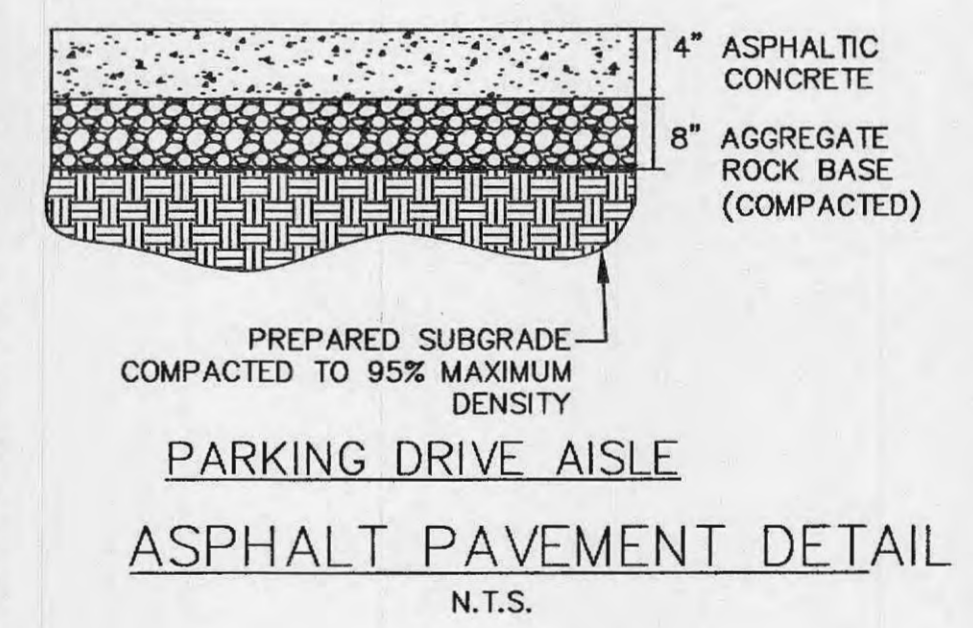
Minor Residential Local Access	ROW Width	Pavement Width	Lane Width	No. of Drive Lanes	Utility Easement	Design Speed
	50'	26'	N/A	2	10'	25*

Notes: * = Can be varied with City Engineer's approval
 ** = Detail to match minor residential street with wider pavement
 - these requirements may be varied by other City ordinances
 - these standards are minimum standards
 - Parkway options can be provided as indicated above



NOTES:

- 1: All driveway entrances shall be six (6) inches P.C.C. in depth from the curb to the property line.
- 2: All driveway approaches constructed in conjunction with sidewalk shall give the appearance that the sidewalk is continuous. That portion of the driveway approach that doubles as a sidewalk shall have a one-fourth (1/4) inch per foot cross slope the same as the abutting sidewalk.
- 3: A two (2) inch expansion joint is required between the street and driveway approach. One (1) additional two (2) inch expansion joint is required between the garage floor and the termination of the driveway.



PROJECT TITLE:
125 & 131 JOSEPH ST.

REVISIONS:

MUSLER ENGINEERING COMPANY
CIVIL ENGINEERING - PLANNING - LAND SURVEYING
32 Portwest Court, St. Charles, Missouri 63303
Telephone: (636) 916-0444
Fax: (636) 916-3444

CITY COMMENTS:

DATE: 12/27/17

ENGINEER: J.R.S.

CHECKED: J.R.S.

DRAWN: J.R.S.

DATE: AUG. 2017

PROJECT NO.: 14-1380

SHEET NO.: 9 OF 12

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STATE OF MISSOURI
JEFFREY R. SMITH, P.E.
NO. P.E. # E-2001004672

1-19-18

PREPARED FOR:
125 JOSEPH TRUST & 131 JOSEPH TRUST
MR. PAUL JAMES
1278 JUNGERMANN ROAD, SUITE F
ST. PETERS, MISSOURI 63376
TELEPHONE: 636-262-4473
E-mail: paul@stcharlesrent.com

P & Z No.
12-16.01 & 12-16.02
City No.
12-16.01 & 12-16.02

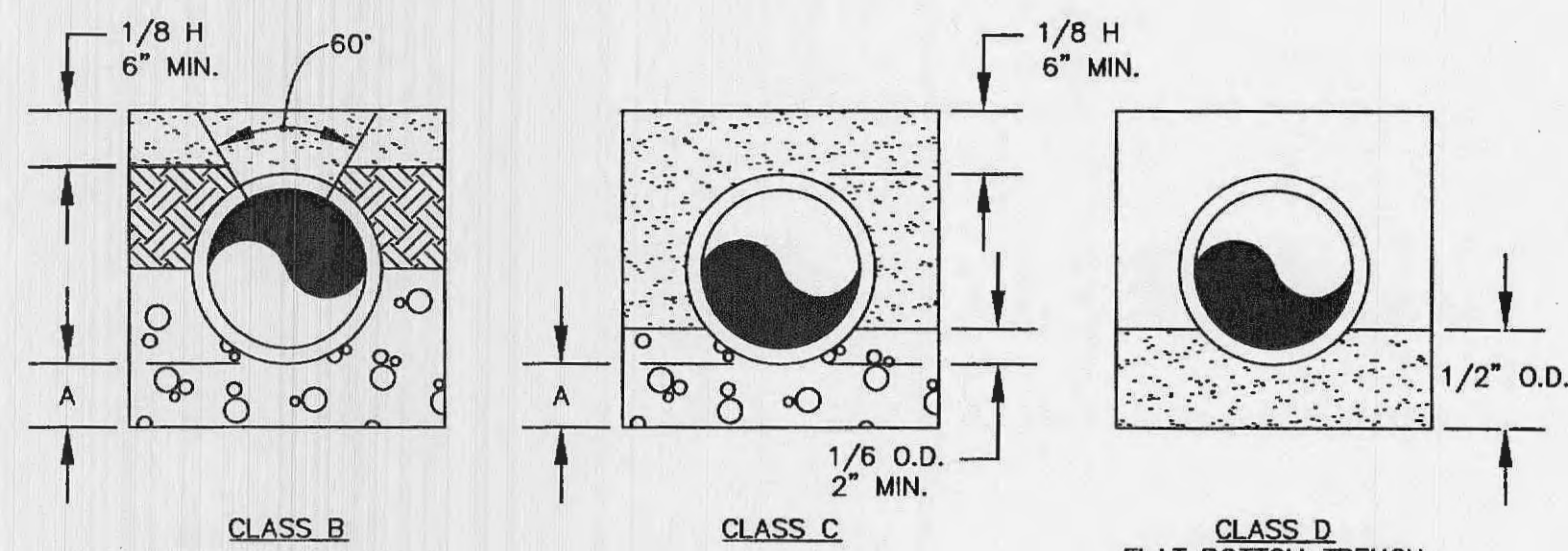
Page No.
9

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

Typical Pavement Design
SECTION NO. 405.370

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

Integral Curb Detail
"B" at Driveway
SECTION NO. 505.080



LEGEND
 I.D. - NOMINAL PIPE SIZE
 O.D. - OUTSIDE DIAMETER OF PIPE
 H - COVER ABOVE TOP OF PIPE
 A - EMBEDDED BELOW PIPE (SEE TABLE)

TAMPED BACK FILL
 COMPACTED BACK FILL
 GRANULAR BEDDING

TABLE OF EMBEDDED DEPTHS BELOW PIPE

I.D.	MIN. SOIL	MIN. ROCK
27" & SMALLER	3"	6"

GRANULAR BEDDING SHALL BE CRUSHED ROCK OR PEA GRAVEL WITH NOT LESS THAN 95% PASSING 1/2" (95% PASSING 3/4" FOR 30" AND LARGER PIPE) AND NOT LESS THAN 95% RETAINED ON A #4; TO BE PLACED IN NOT MORE THAN 6" LAYERS AND COMPACTED BY SLICING WITH A SHOVEL OR VIBRATING.

COMPACTED BACK FILL SHALL BE FINELY DIVIDED JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL AND STONES, PLACED IN UNIFORM LAYERS NOT MORE THAN 6" THICK, COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. D698, OR GRADED AGGREGATE. GRANULAR BACK FILL MATERIAL MAY BE SUBSTITUTED FOR ALL OR PART OF COMPACTED BACK FILL.

TAMPED BACK FILL SHALL BE FINELY DIVIDED JOB EXCAVATED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL AND STONES, HAND PLACED IN UNIFORM LAYERS NOT MORE THAN 8" THICK AND TAMPED AROUND CONDUIT PIPE. GRANULAR BACK FILL MATERIAL MAY BE SUBSTITUTED FOR ALL OR PART OF TAMPED BACK FILL.

TRENCH BACK FILL SHALL BE AS REQUIRED IN THE "LAYING AND BACK FILL" SECTION OF THE DETAILED SPECIFICATIONS.

EMBED THE TYPE OF EMBEDDED TO BE USED SHALL BE AS SPECIFIED IN THE PLANS AND SPECIFICATIONS.

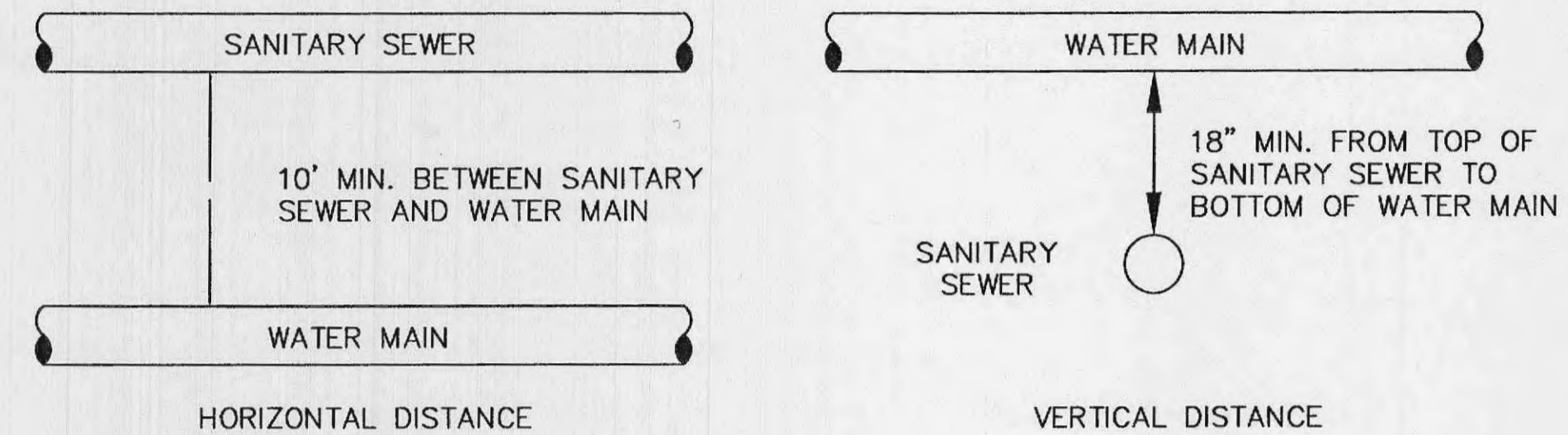
TRACER WIRE REQUIRED ON ALL WATER MAINS

WATER MAIN EMBEDDED

NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

WATER MAIN EMBEDDED



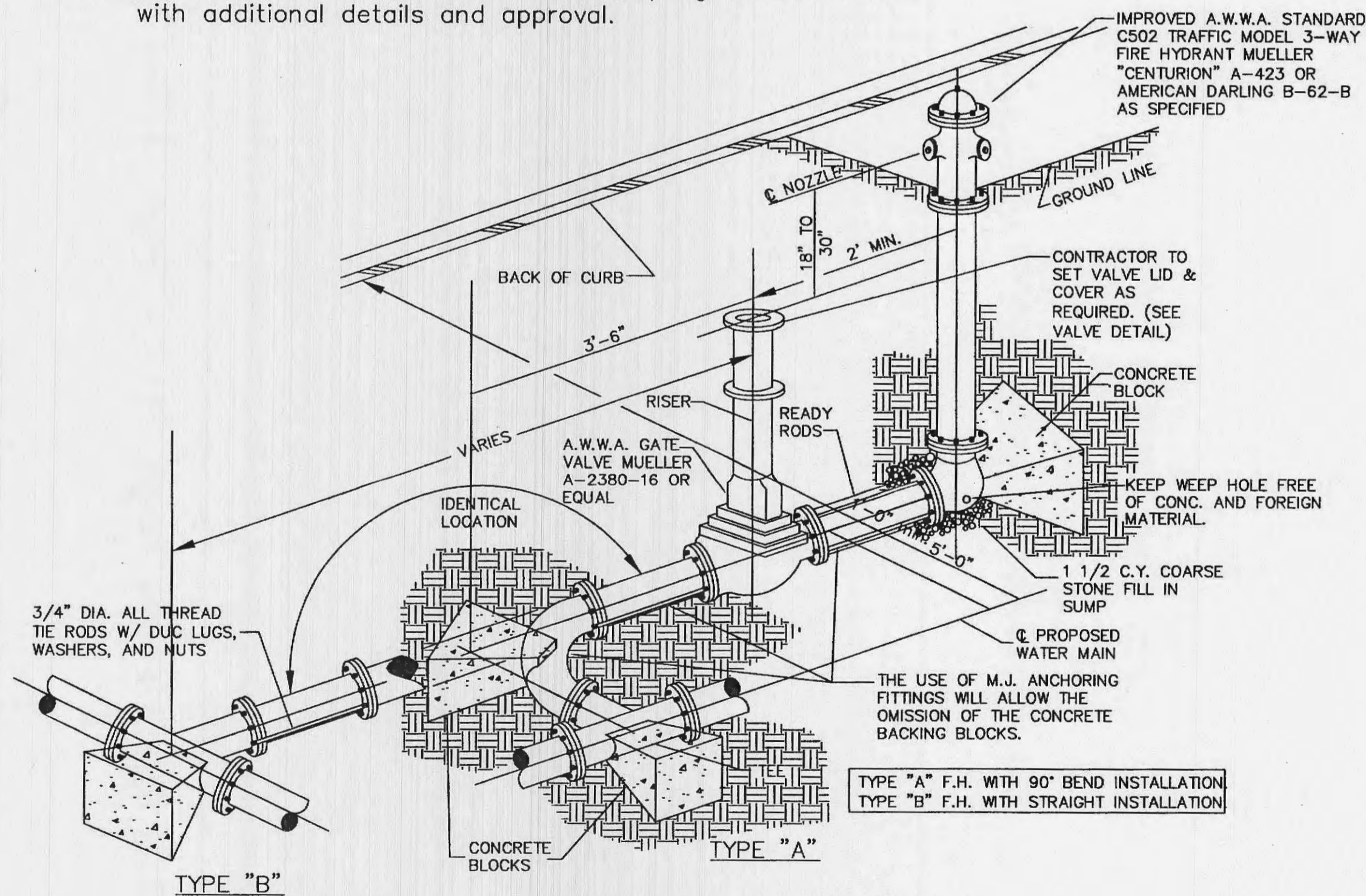
TYPICAL WATER AND SEWER SEPARATION

NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

WATER AND SEWER SEPARATION DETAIL

Note: Other connections such as anchor coupling are allowable with additional details and approval.

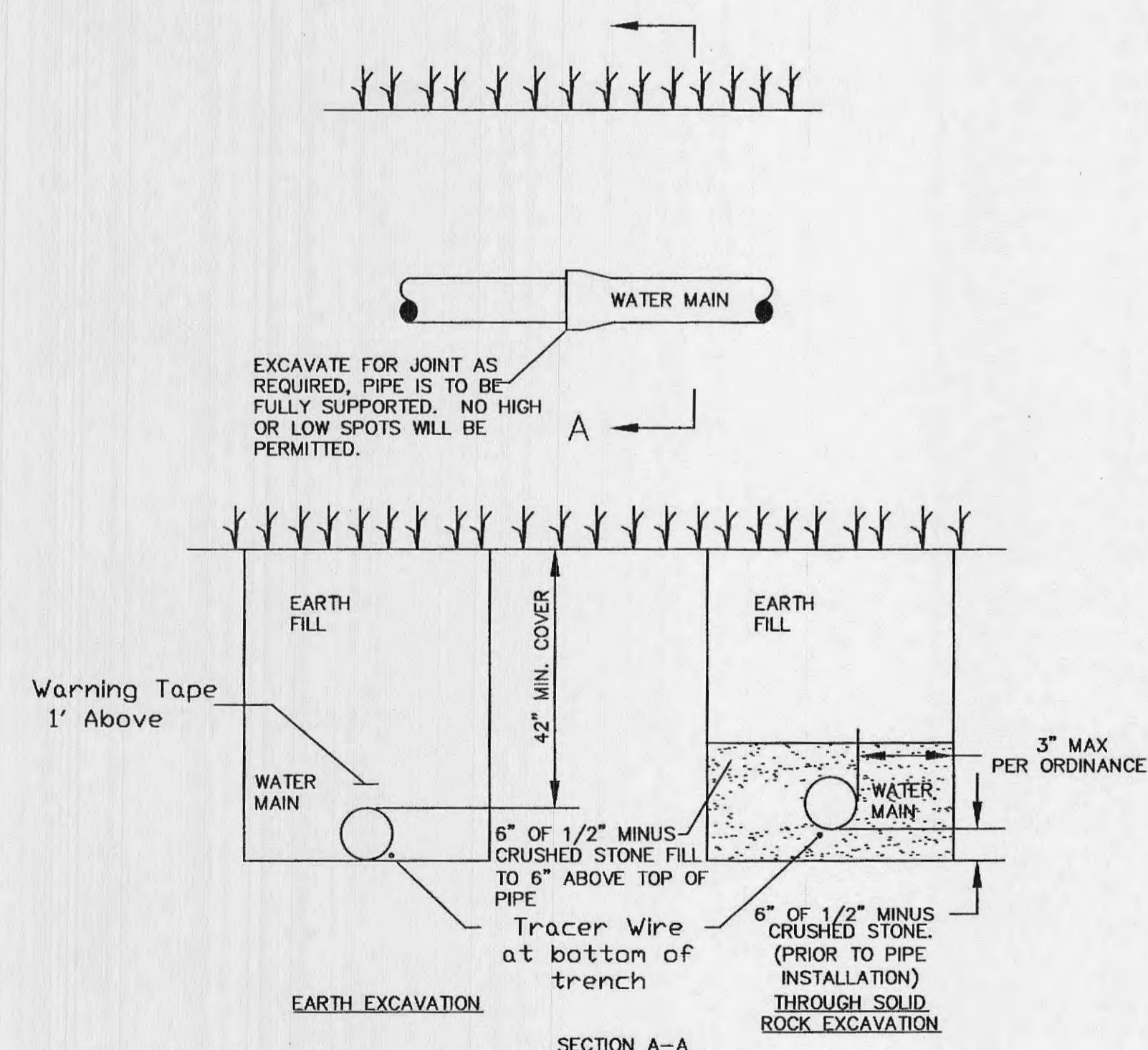


FIRE HYDRANT DETAIL

NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

FIRE HYDRANT DETAILS



TYPICAL WATER MAIN INSTALLATION DETAILS

NOT TO SCALE

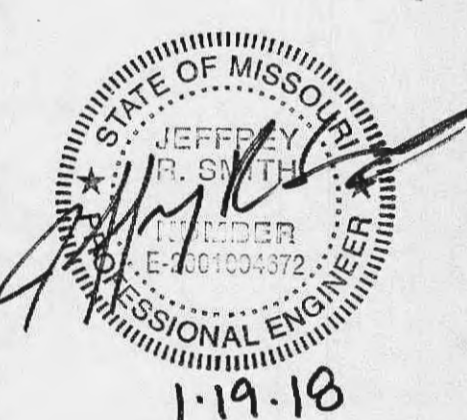
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

WATER MAIN INSTALLATION DETAIL

PROJECT TITLE:
 125 & 131 JOSEPH ST.
 DETAILS

10/12/17
 DATE: 10/12/17
 CITY COMMENTS: 1
 REVISION: 1
 MUSLER ENGINEERING COMPANY
 CIVIL ENGINEERING - PLANNING - LAND SURVEYING
 32 Portwest Court, St. Charles, Missouri 63303
 Telephone: (636) 916-0444
 Fax: (636) 916-0444
 CERTIFICATE OF AUTHORITY: ENGINEERING E-1235-D, LAND SURVEYING LS-284-D
 DATE: AUG. 2017
 DRAWN: J.R.S.
 CHECKED: J.R.S.
 PROJECT NO.: 14-1380
 SHEET NO.: 10 OF 12

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 MO. P.E. # E-2001004672

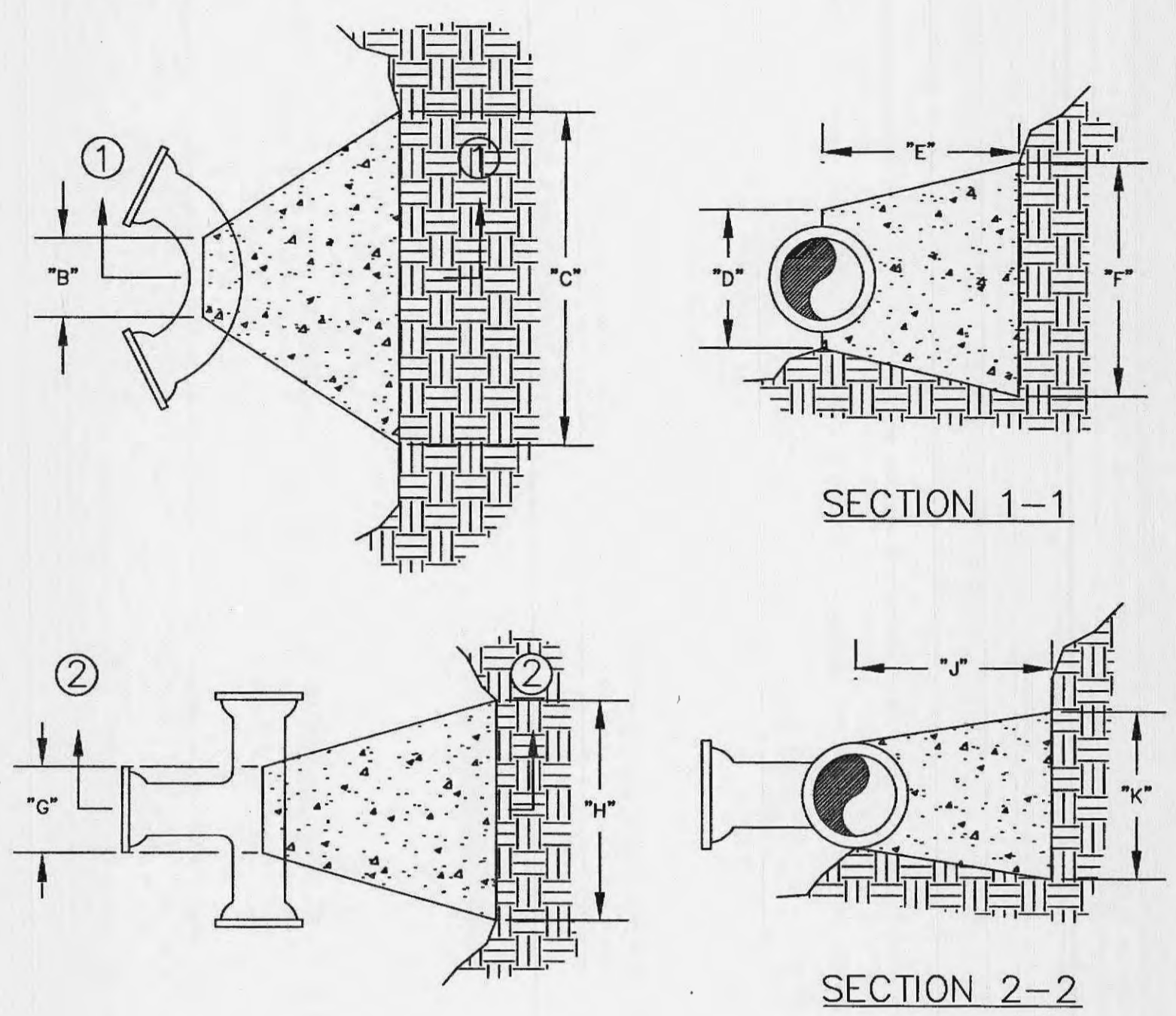
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 ST. PETERS, MISSOURI 63376
 TELEPHONE: 636-262-4473
 FAX:
 E-mail: paul@stcharlesrent.com

P & Z No.
 12-16.01 & 12-16.02
 City No.
 12-16.01 & 12-16.02

BENDS	"B"	"C"	"D"	"E"	"F"
6"-11 1/4"	8"	15"	12"	24"	10"
6"-22 1/2"	8"	19"	12"	24"	13"
6"-45"	8"	30"	12"	24"	15"
6"-90"	8"	30"	12"	24"	28"
8"-11 1/4"	8"	20"	12"	24"	10"
8"-22 1/2"	8"	22"	12"	24"	18"
8"-45"	8"	31"	12"	24"	24"
8"-90"	8"	38"	12"	24"	36"
12"-11 1/4"	8"	30"	12"	24"	15"
12"-22 1/2"	8"	35"	12"	24"	25"
12"-45"	8"	40"	12"	24"	40"
12"-90"	8"	60"	12"	24"	52"
16"-11 1/4"	TL	28"	20"	24"	28"
16"-22 1/2"	TL	39"	20"	24"	39"
16"-45"	TL	55"	20"	24"	55"
16"-90"	TL	91"	20"	24"	60"
20"-11 1/4"	TL	34"	24"	26"	28"
20"-22 1/2"	TL	48"	24"	26"	39"
20"-45"	TL	74"	24"	26"	55"
20"-90"	TL	136"	24"	26"	60"
24"-11 1/4"	TL	40"	28"	28"	40"
24"-22 1/2"	TL	56"	28"	28"	56"
24"-45"	TL	101"	28"	28"	60"
24"-90"	TL	186"	28"	28"	60"
30"-11 1/4"	TL	49"	34"	30"	49"
30"-22 1/2"	TL	79"	34"	30"	60"
30"-45"	TL	154"	34"	30"	60"
30"-90"	TL	289"	34"	30"	60"

TEES	"G"	"H"	"J"	"K"
6"x6"x6"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	18"
8"x8"x8"	12"	27"	24"	27"
12"x12"x6"	12"	24"	24"	18"
12"x12"x8"	12"	27"	27"	27"
12"x12"x12"	12"	36"	24"	38"
24"x24"x16"	16"	53"	28"	53"

NOTES:
 1. 2" & 4" FITTINGS EQUIVALENT TO 6" FITTINGS.
 2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR TEES.
 3. "TL" = TOTAL LENGTH OF FITTING MINUS CLEARANCE FOR BELLS.

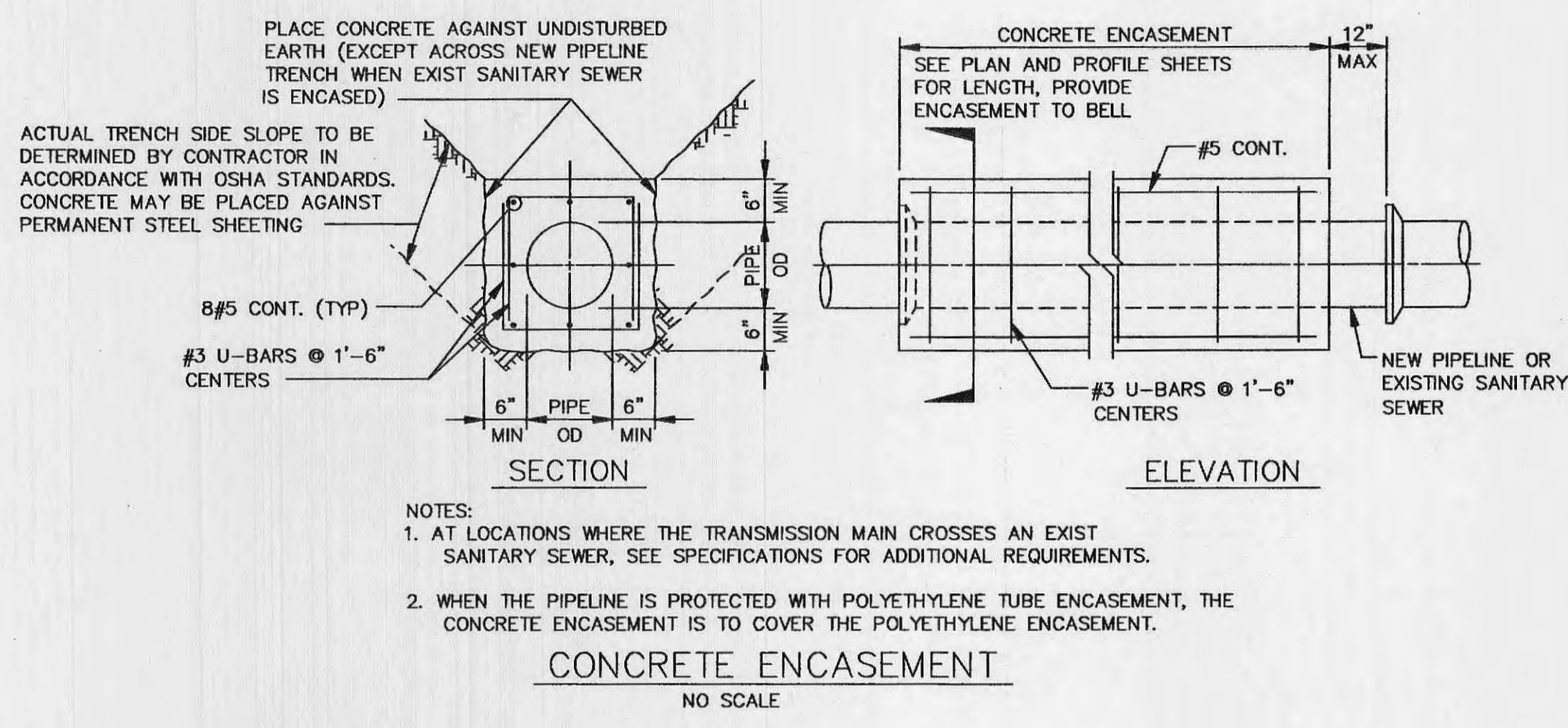


INTERNAL WATER PRESSURE 6" through 12"=200 psi
 INTERNAL WATER PRESSURE 16" through 30"=210 psi
 BEARING PRESSURE OF SOIL=2000 psi

BACKING BLOCKS
 NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

**BACKING BLOCK
 DETAILS AND LOCATIONS**

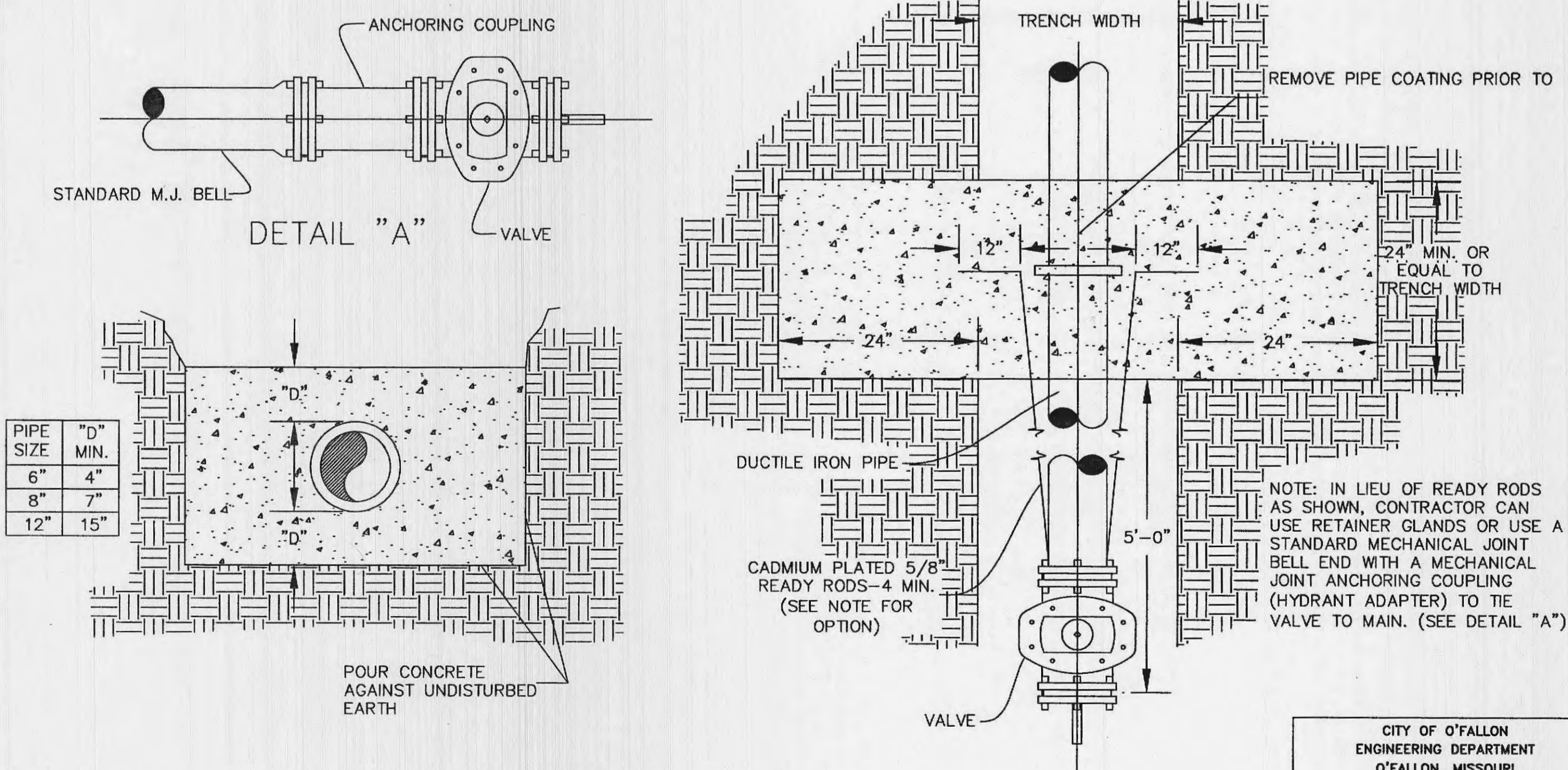


NOTES:
 1. AT LOCATIONS WHERE THE TRANSMISSION MAIN CROSSES AN EXIST SANITARY SEWER, SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. WHEN THE PIPELINE IS PROTECTED WITH POLYETHYLENE TUBE ENCASUREMENT, THE CONCRETE ENCASUREMENT IS TO COVER THE POLYETHYLENE ENCASUREMENT.

CONCRETE ENCASUREMENT
 NO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

**CONCRETE ENCASUREMENT
 DETAILS**

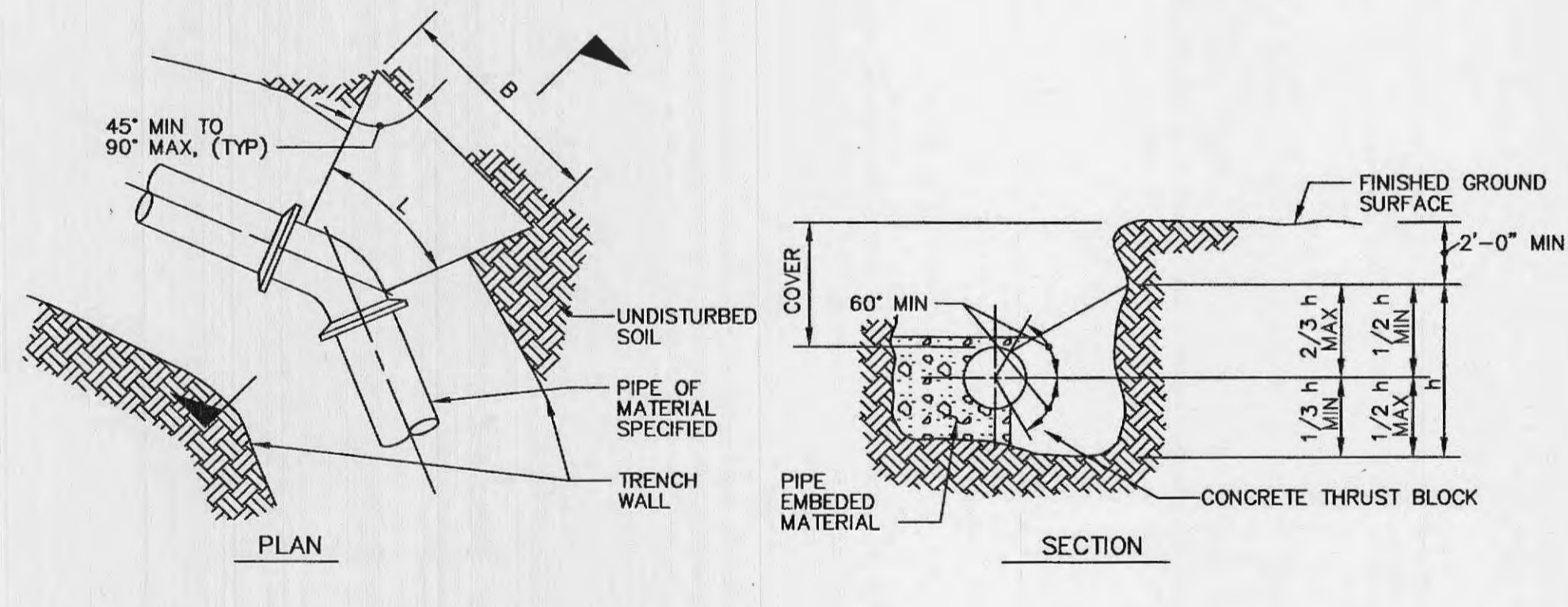


PIPE SIZE	"D" MIN.
6"	4"
8"	7"
12"	15"

STRADDLE BLOCK DETAIL
 NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

**STRADDLE BLOCK
 DETAILS**



NOTES:
 1. AREA OF BLOCK, A = Bxh. BLOCK AREAS ARE SHOWN ON GENERAL LAYOUT OR TABLE.
 2. B = h = √A, EXCEPT WHERE TOP OF BLOCK IS WITHIN 2 FEET FROM GROUND SURFACE, THEN B = A/h.
 3. MINIMUM BLOCK DIMENSION (B & h) SHALL BE AT LEAST OD OF PIPE OR 1 FOOT FOR PIPE OD 12" OR LESS.
 4. THE BOTTOM OF THE BLOCK SHALL EXTEND AT LEAST TO THE BOTTOM OF THE TRENCH IN ALL CASES.
 5. L=FITTING LENGTH MINUS CLEARANCE FOR BELLS.
 6. DETAIL IS SHOWN FOR CAST IRON PIPE; DETAIL IS SIMILAR FOR OTHER TYPES OF PIPE.
 7. DIMENSIONS FOR THRUST BLOCKS FOR FIRE HYDRANT ASSEMBLY ARE SHOWN FIRE HYDRANT ASSEMBLY DETAIL.

SIZE	BEND	THRUST AREA	B	H
16"	11 1/2"	4 SF	2'	2'
16"	22 1/2"	4 SF	2'	2'
16"	45"	8 SF	2.8'	2.8'

CONCRETE THRUST BLOCKING
 NOT TO SCALE

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

**CONCRETE THRUST
 BLOCKING DETAILS**

PROJECT TITLE:
**125 & 131
 JOSEPH ST.**

MUSLER ENGINEERING COMPANY
 CIVIL ENGINEERING - PLANNING - LAND SURVEYING
 32 Portwest Court, St. Charles, Missouri 63303
 Telephone: (636) 916-0444
 Fax: (636) 916-9444
 CERTIFICATE OF AUTHORITY: ENGINEER E-1330-LAND SURVEYING LS-284-D
 DATE: AUG. 2017
 DRAWN: J.R.S.
 CHECKED: J.R.S.
 PROJECT NO.: 14-1980
 SHEET NO.: 11 OF 12

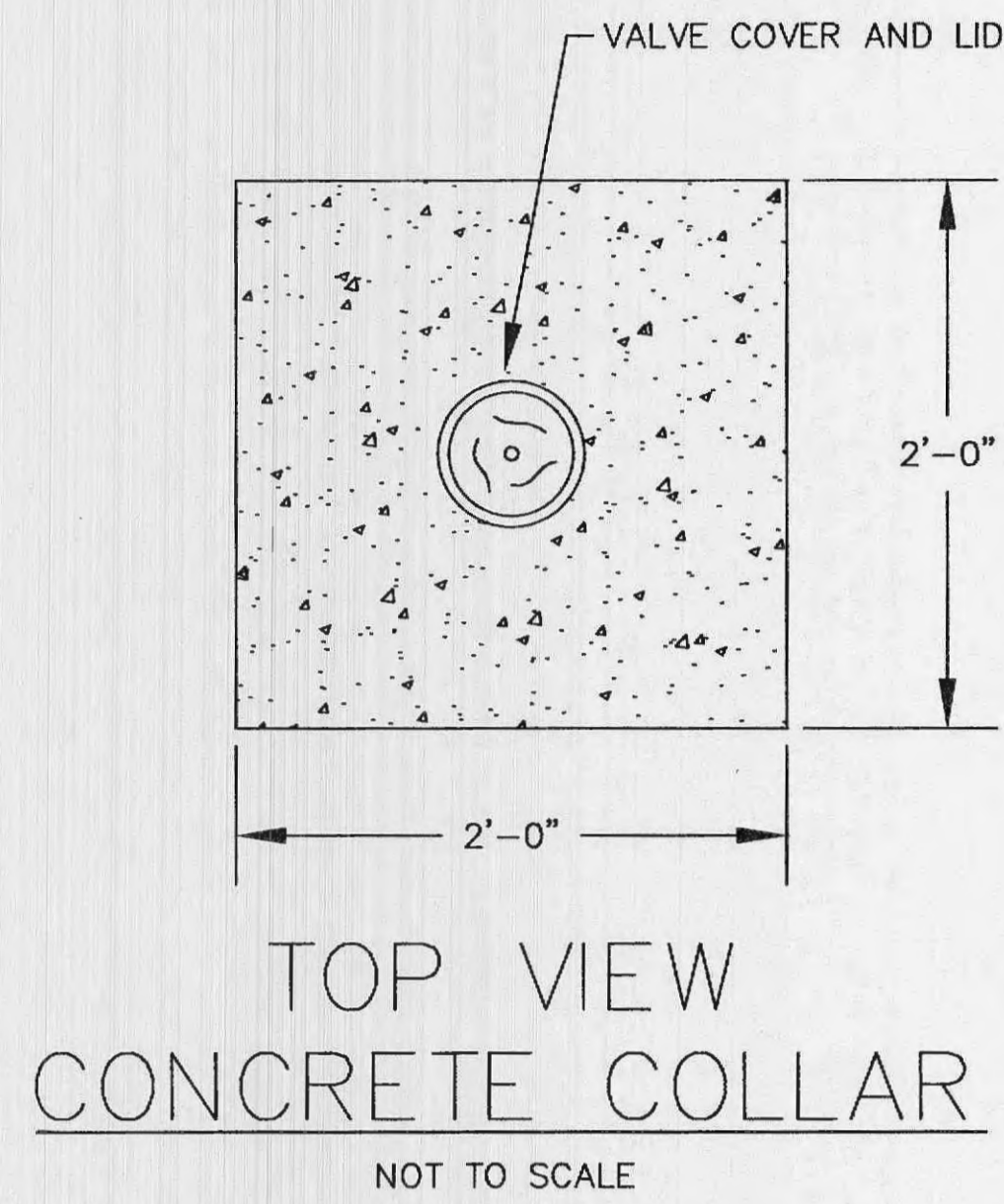
DISCLAIMER OF RESPONSIBILITY
 I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

JEFFREY R. SMITH, P.E.
 MO. P.E. # E-2001004672
 1-19-19

PREPARED FOR:
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 City No.
 12-16.01 & 12-16.02

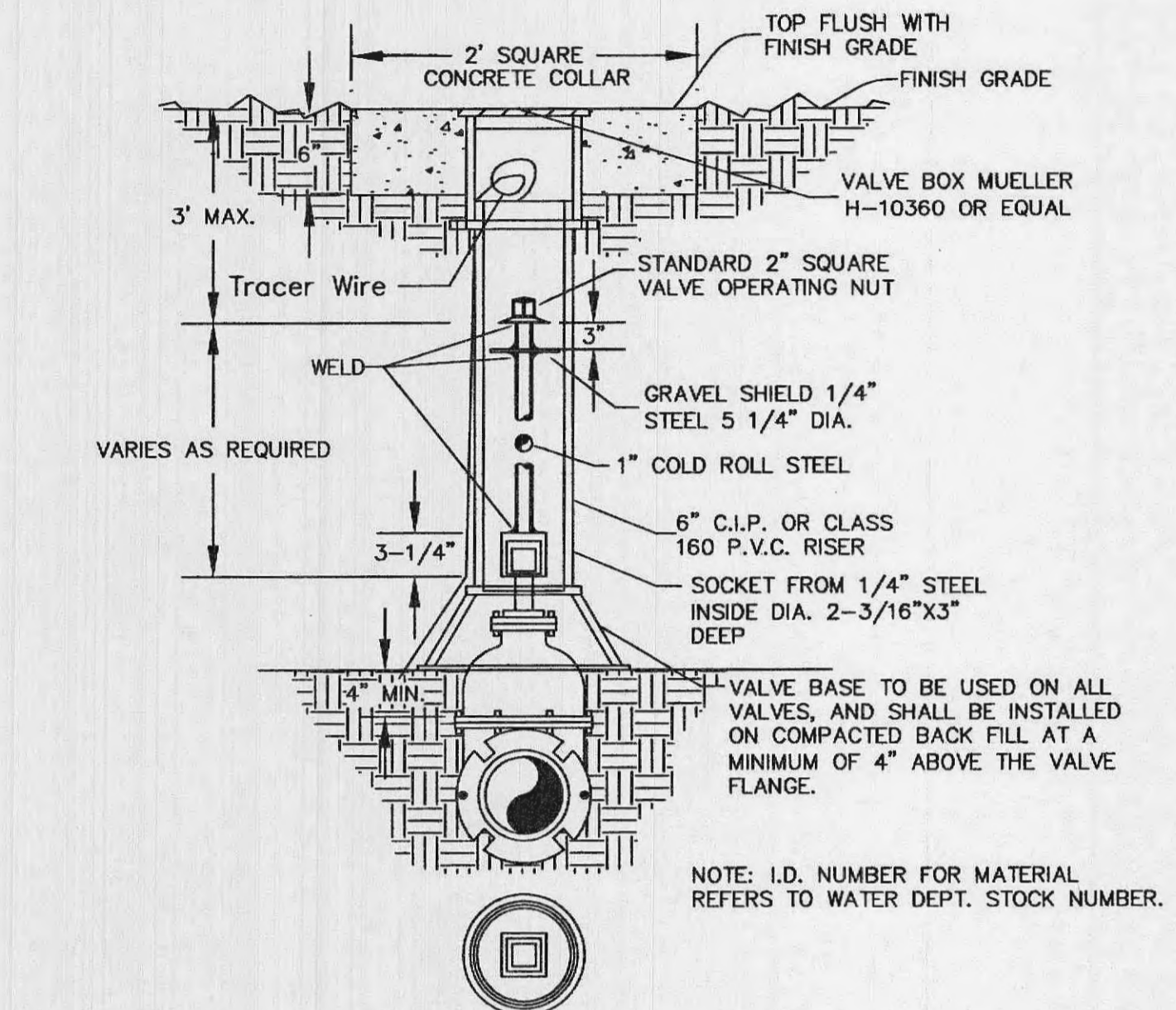
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Note: 1. Concrete collar joint pattern is required in paved areas such as roadways, driveways, sidewalks or other areas of paved surfaces.
2. Concrete collars are optional in other non-paved areas.

CITY OF FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

CONCRETE COLLAR DETAIL

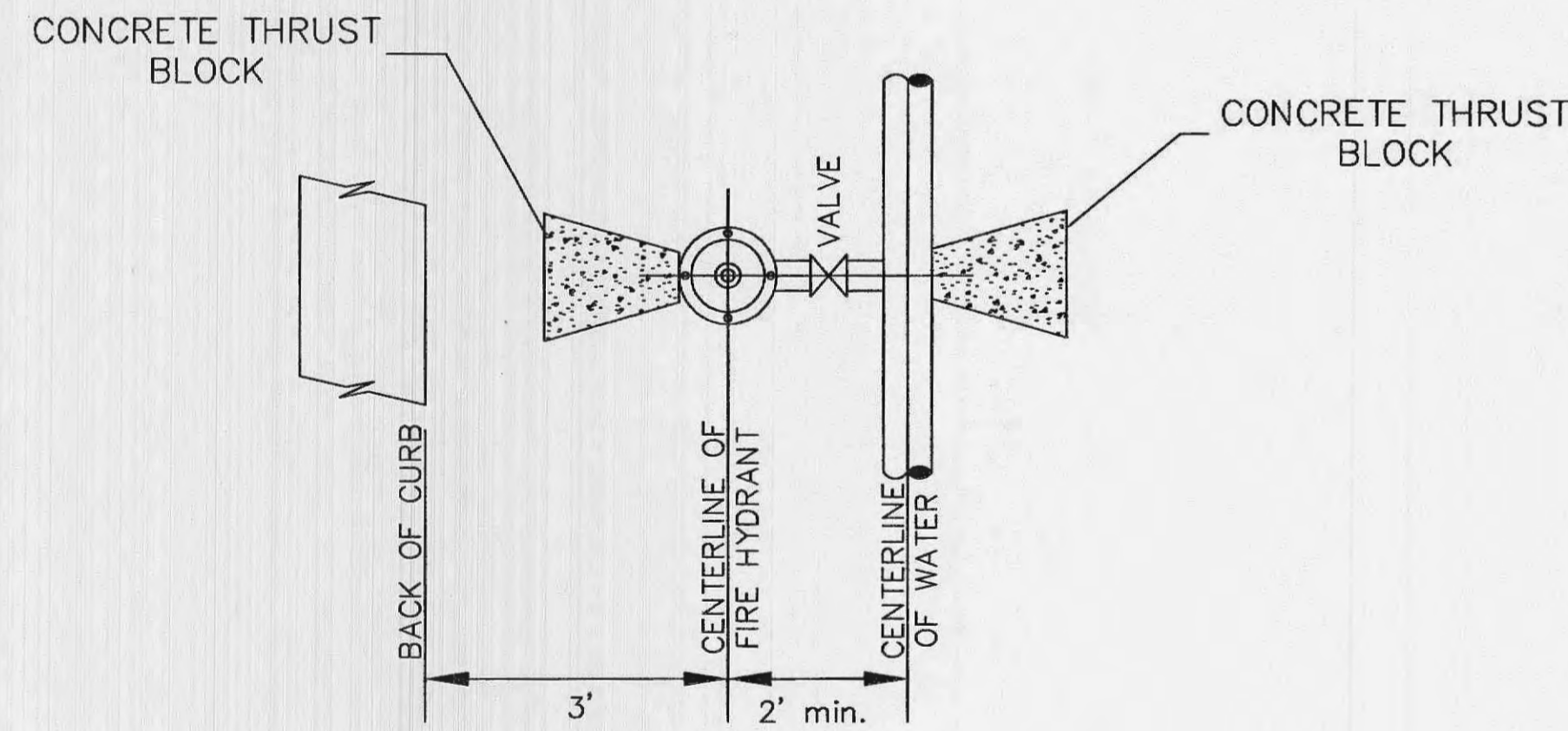


Concrete collar will be in accordance with the Concrete collar detail.

WATER VALVE DETAIL
NOT TO SCALE

CITY OF FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

WATER VALVE DETAIL

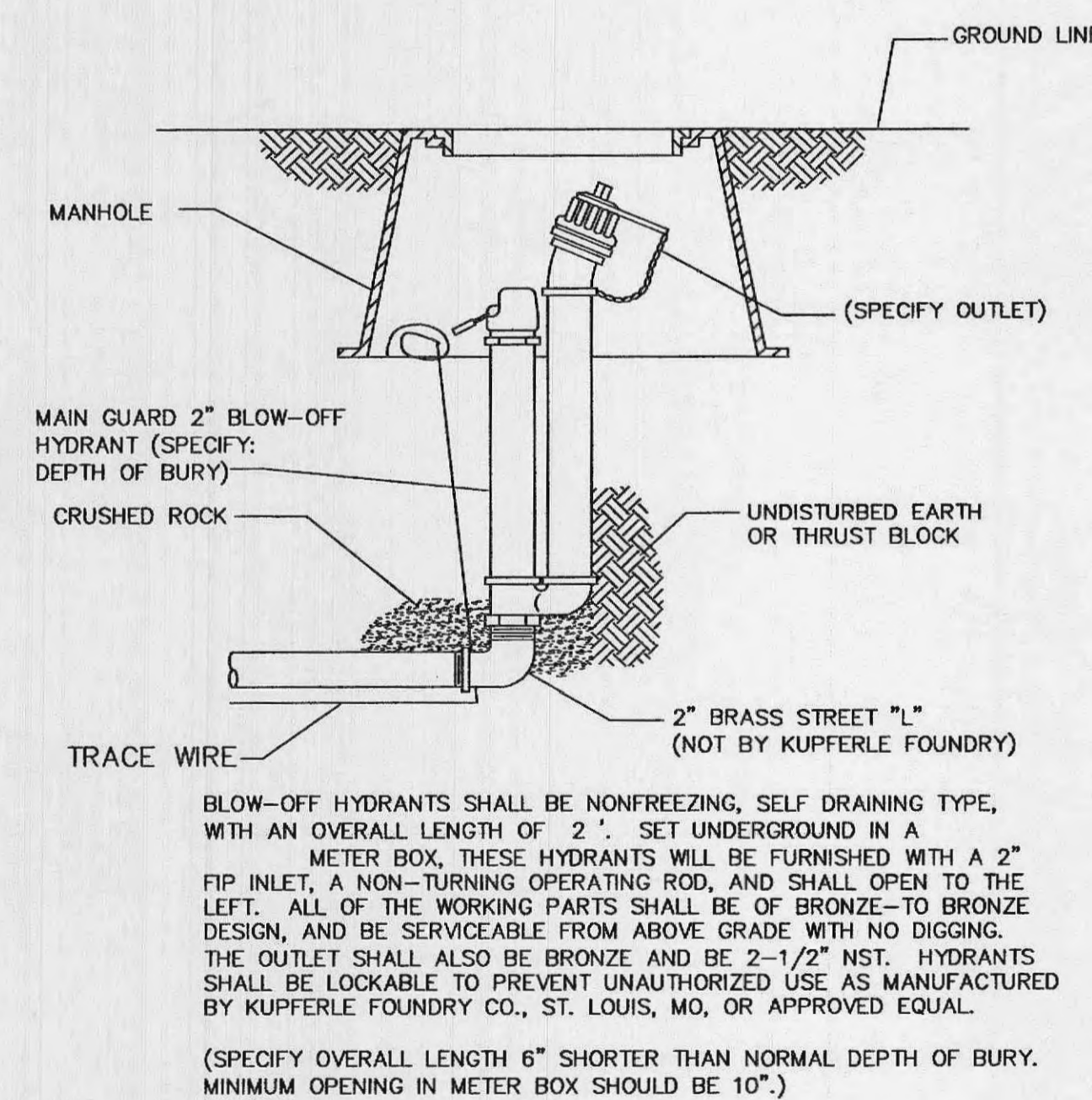


CONFIGURATION
ALL FIRE HYDRANTS SHALL BE 3' OFF BACK OF CURB
ALL WATER MAINS SHALL BE A MIN. OF 5' OFF BACK OF CURB

TYPICAL WATER MAIN AND FIRE HYDRANT LOCATIONS
NOT TO SCALE

CITY OF FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

WATER MAIN FIRE HYDRANT DETAIL



BLOW-OFF HYDRANT
NOT TO SCALE

CITY OF FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

BLOW-OFF HYDRANT DETAIL

PROJECT TITLE:
125 & 131 JOSEPH ST.
DETAILS

DATE: 07/27/17
CITY COMMENTS:
REVISION:
MUSLER ENGINEERING COMPANY
CIVIL ENGINEERING - PLANNING - LAND SURVEYING
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Fax: (636) 916-0444
CERTIFICATE OF AUTHORITY: E-1330-01 LAND SURVEYING, LS-294-D
DATE: 08/01/14
DRAWN: J.R.S.
CHECKED: J.R.S.
PROJECT NO.: 14-1860
SHEET NO.: 12 OF 12

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STATE OF MISSOURI
JEFFREY R. SMITH
REGISTERED PROFESSIONAL ENGINEER
NO. 01004672
1-19-18
JEFFREY R. SMITH, P.E.
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