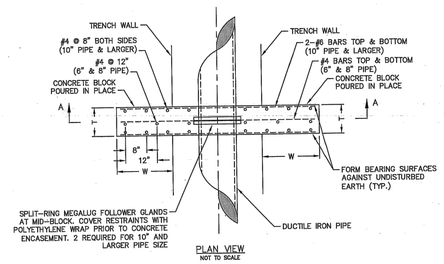
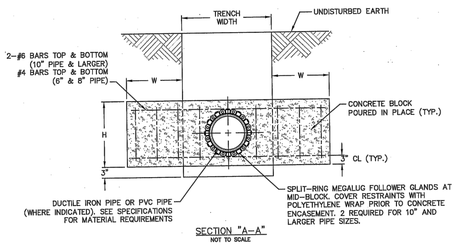


PLAN VIEW
NOT TO SCALE



SECTION "A-A"
NOT TO SCALE

NOTES

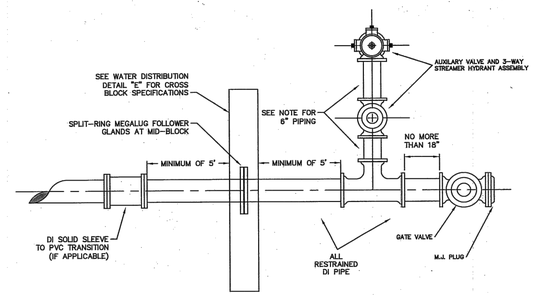
1) CONSTRUCT CROSS BLOCKS AT A MINIMUM OF 15' FROM CONNECTION POINT AND 5' FROM THE BELL END OF PIPE.

2) CROSS BLOCKS SHALL BE PRE-POURED PRIOR TO SHUTDOWN AND CONNECTIONS.

CROSS BLOCK DIMENSIONS			
PIPE DIA. "D"	WIDTH "W"	HEIGHT "H"	THICKNESS "T"
4	12	12	12
6	24	24	12
8	24	24	12
10	30	30	16
12	36	36	18

CROSS BLOCK
DETAIL "E"

Revised 4-6-2015

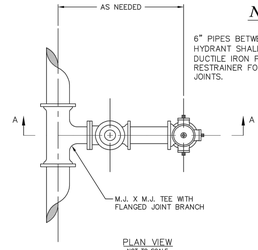


PLAN VIEW
NOT TO SCALE

NOTES:
6" PIPES BETWEEN TEE AND VALVE AND BETWEEN VALVE AND FIRE HYDRANT SHALL BE D.I. "ANCHOR LOKS" OR DUCTILE IRON PIPE WITH "MEGALUG" RESTRAINER FOLLOWER GLANDS ON ALL M.J. JOINTS.

WATER MAIN
TERMINATION DETAIL

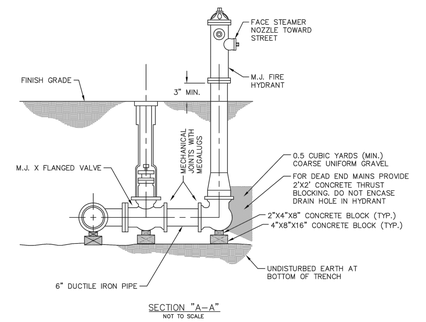
Revt 9-8-2016
10-1-2012



PLAN VIEW
NOT TO SCALE

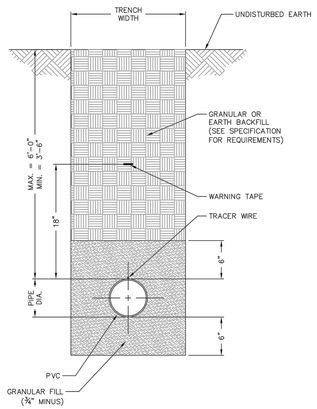
NOTES

6" PIPES BETWEEN VALVE AND FIRE HYDRANT SHALL BE D.I. "ANCHOR LOKS" OR DUCTILE IRON PIPE WITH "MEGALUG" RESTRAINER FOLLOWER GLANDS ON ALL M.J. JOINTS.



SECTION "A-A"
NOT TO SCALE

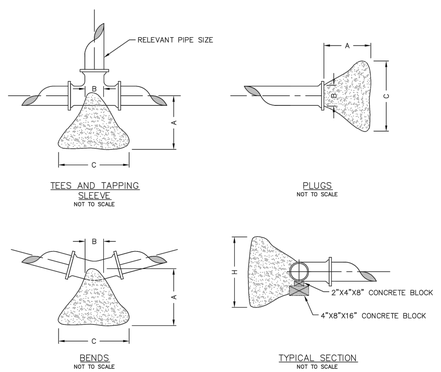
FIRE HYDRANT DETAIL
DETAIL "B"
PAGE 1 OF 3



NOTES

1) SEE SPECIFICATIONS FOR ADDITIONAL DETAILS FOR BEDDING AND BACKFILL.

TYPICAL TRENCH SECTION
FOR PVC PIPE
NOT TO SCALE
DETAIL "A"
PAGE 1 OF 2



TEES AND TAPPING SLEEVE
NOT TO SCALE

PLUGS
NOT TO SCALE

BENDS
NOT TO SCALE

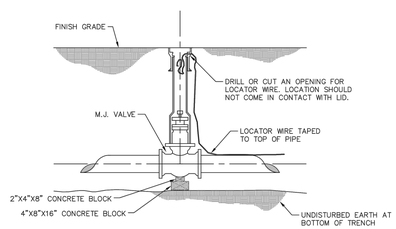
TYPICAL SECTION
NOT TO SCALE

THRUST BLOCK DIMENSIONS - INCHES												
PIPE DIA.	ALL FTGS.		TEE PLUG TAPPING		90 DEGREE BEND		45 DEGREE BEND		22-1/2 BEND		11-1/4 BEND	
	A	B	C	H	C	H	C	H	C	H	C	H
4	14	4	24	12	26	15	18	12	12	12	12	12
6	16	6	36	18	36	24	30	18	24	12	12	12
8	20	8	36	30	42	36	36	24	24	18	18	12
10	20	10	48	36	66	36	36	36	28	24	18	18
12	24	12	68	36	82	42	52	36	40	24	28	18

NOTE

FOR FITTINGS LARGER THAN 12", SPECIAL RESTRAINT DESIGNS ARE REQUIRED.

HORIZONTAL THRUST BLOCKING
DETAIL "C"



GATE VALVE DETAIL
NOT TO SCALE
DETAIL "D"

DATE	NO	REVISION DESCRIPTION
6/20/17	4	CLIENT/CITY/AGENCY COMMENTS
6/13/17	3	PRIVATE WATER REVISION
6/07/17	2	REVISED WATER MAIN ALIGNMENT
6/02/17	1	CLIENT/CITY/AGENCY COMMENTS

DEVELOPER/OWNER:
40 DD SPORTS, LLC
4169 EHLMANN ROAD
ST. PETERS, MO 63376
636-359-0521

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS ANY RESPONSIBILITY FOR ALL OTHER DOCUMENTS, PLANS, AND SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO, OR INTENDED TO BE USED AS, ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

SEAL:

MISSOURI RUSH SOCCER COMPLEX
CALEDONIA DRIVE
O'FALLON, MO 63366

WATER DETAILS

cole®
+ ST. LOUIS
401 S. 18th Street
Suite 200
St. Louis, MO 63103
314.588.9887 tel
www.colestl.com
CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE
Cole & Associates, Inc. is a Missouri Corporation d.b.a. Cole Design Group, Inc. in Kansas & Texas (when referred to as "Cole")

DESIGN/CALC BY: BSJ
DRAWN BY: BSJ
CHECKED BY: EWM
DRAWING SCALE: AS SHOWN
DATE: 4/28/17
Job Number: 16-0042-A
Sheet Number: C11.0

USER: Brian Jokerst TAB: Water 1
DATE: June 20, 2017 - 11:40:36 AM
DRAWING: S:\JOBS\Jobs2016\16-0042\CADD_C-Plan\PlotSheets\0_WATER DETAILS_16-0042.dwg