

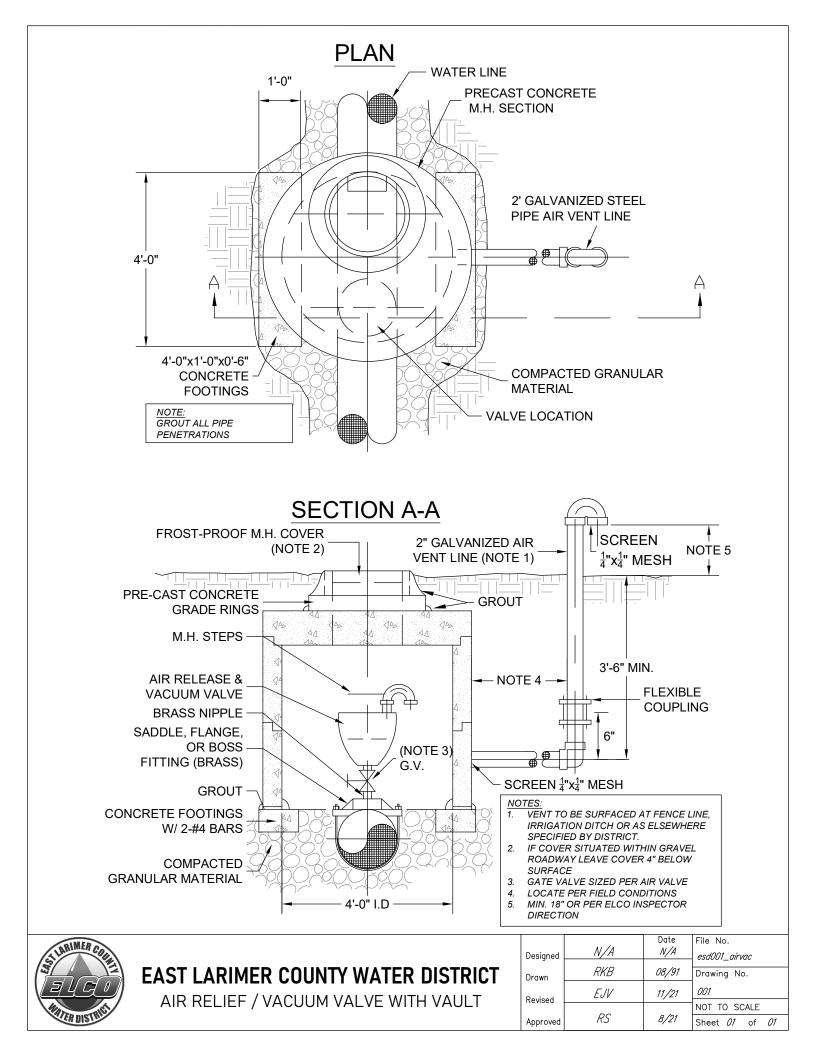
# **STANDARD CONSTRUCTION DETAILS**

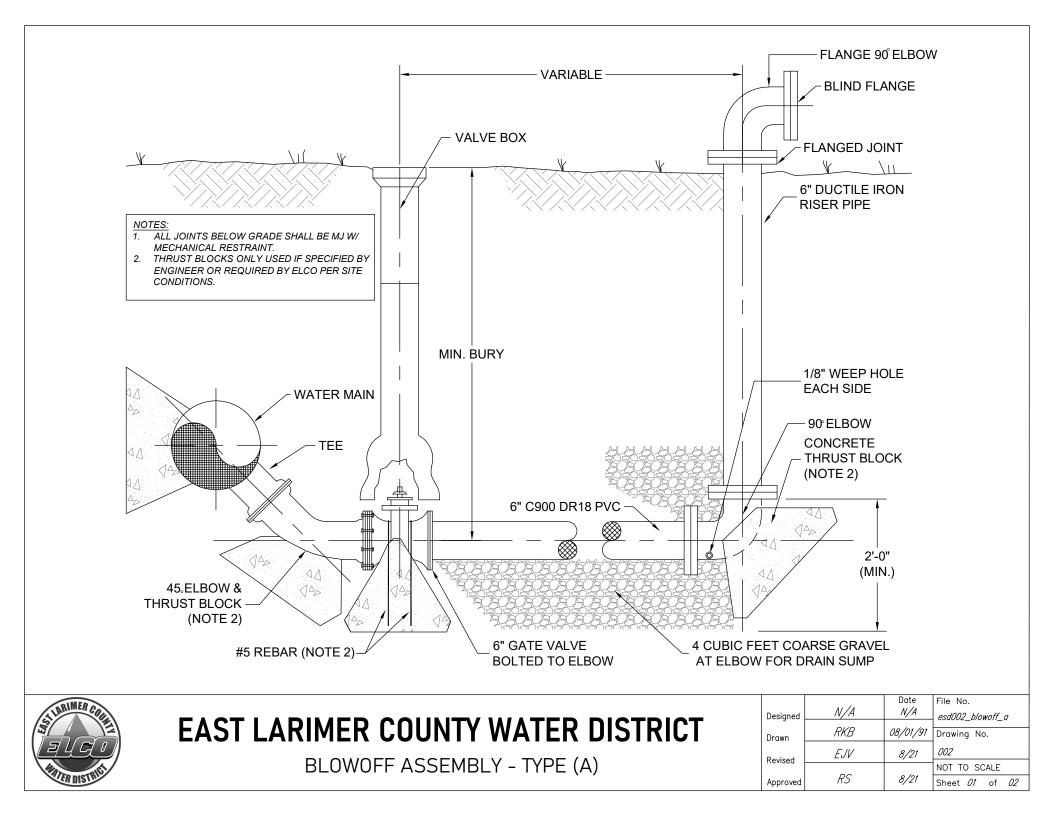
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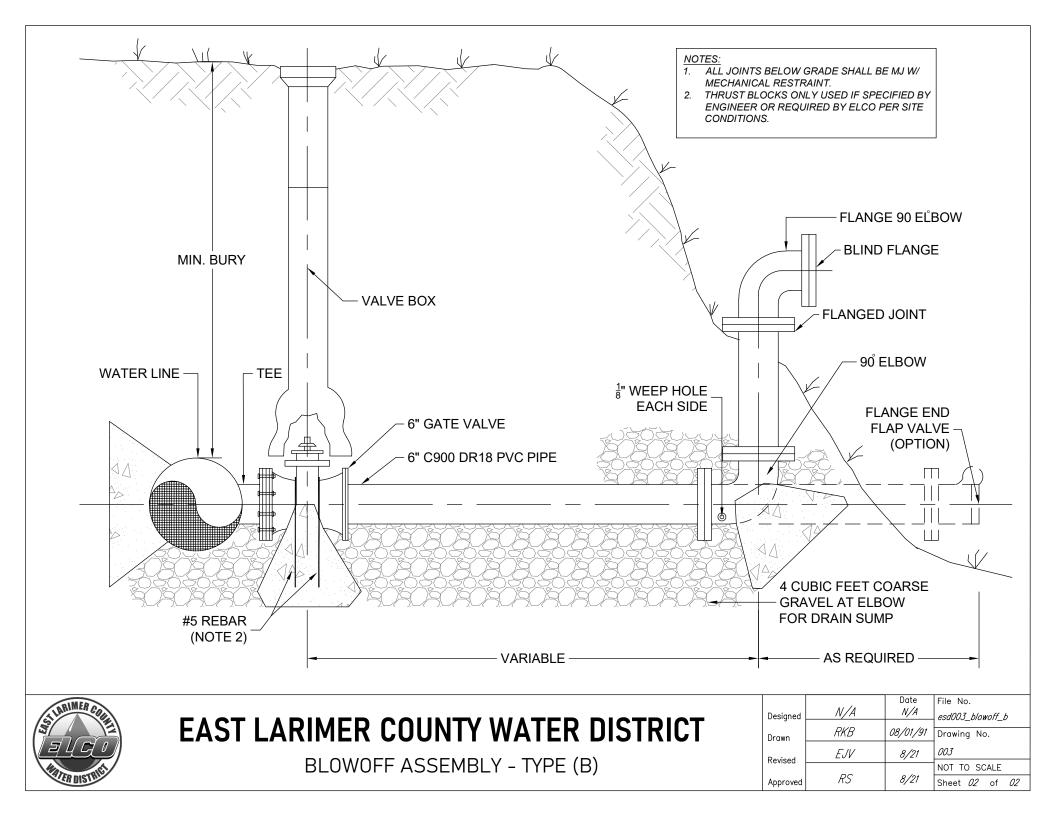
## DRAWING TITLE

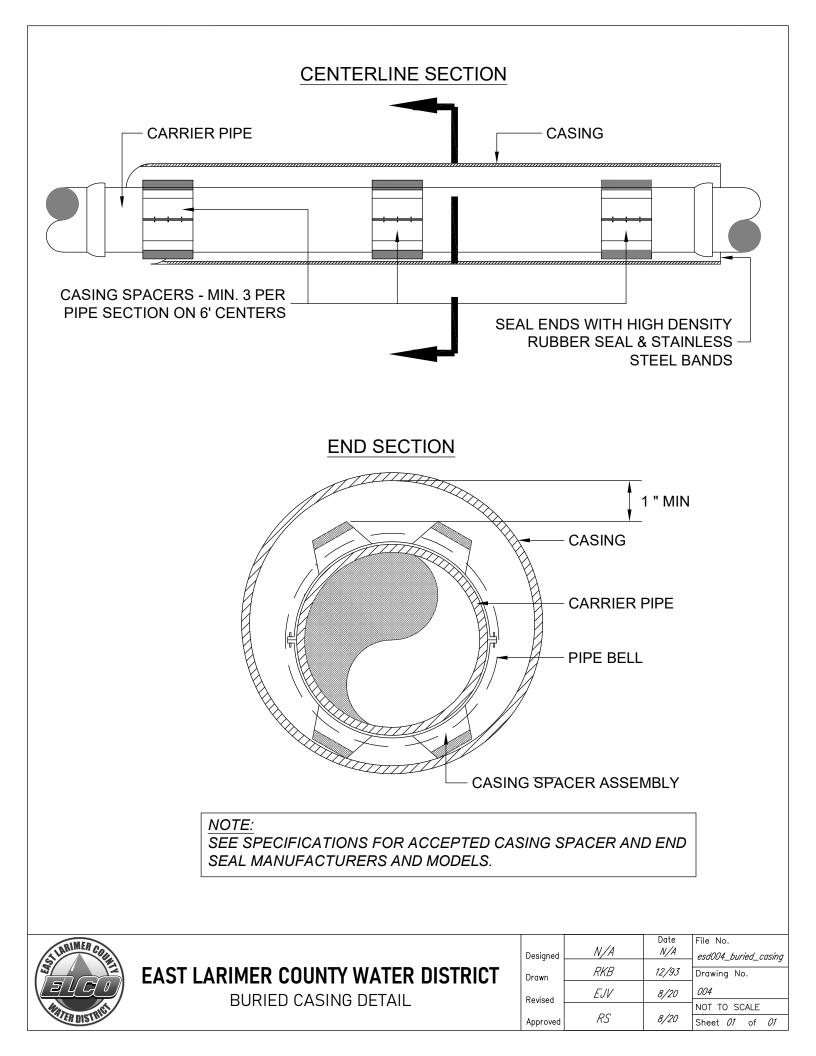
### DWG NO.

*	Air Relief / Vacuum Valve with Vault	001
*	Blowoff Assembly – Type (A)	002
*	Blowoff Assembly – Type (B)	003
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PN SEE TRENCH WIDTH TABLE	VC OR DUCT	
12" MIN.		
	E DIAMETER (INCHES)	MAXIMUM TRENCH WIDTH (INCHES)
PIPE	4	28
	6	30
	8	32
	10	34
	12	36
	14	38
	16	40
	18	42
	24	46

TRENCH DETAIL

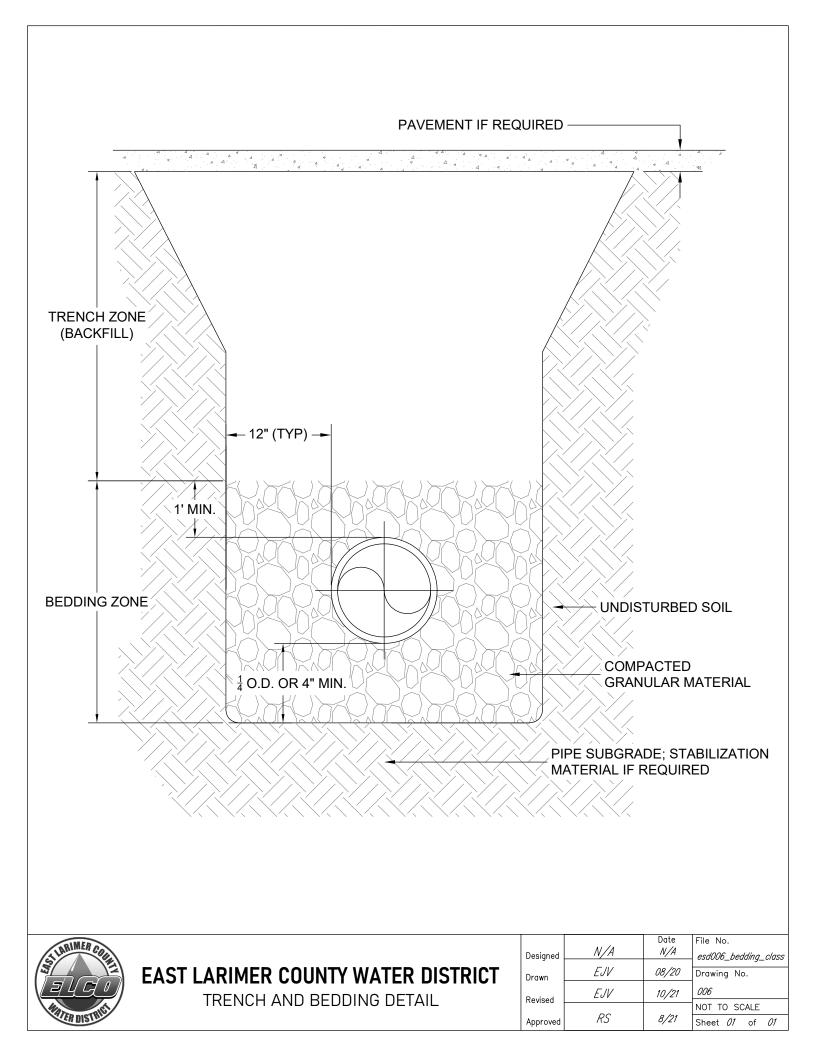
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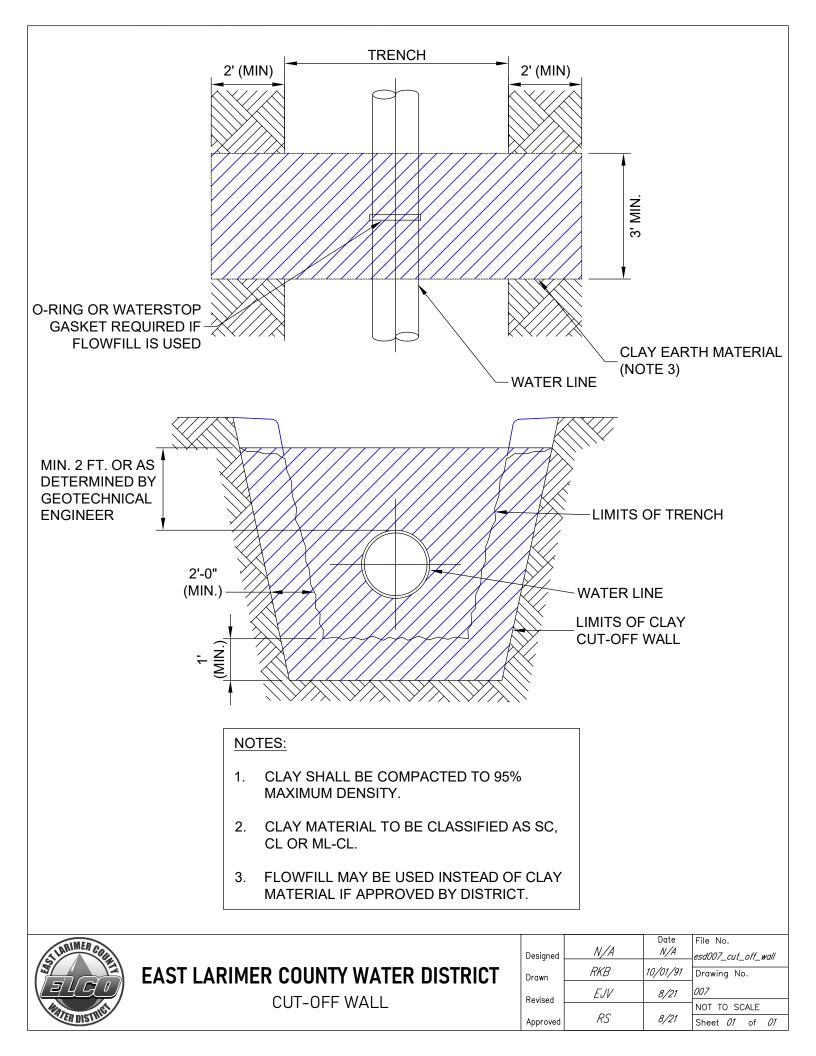
#### Revised 201 Approved RS

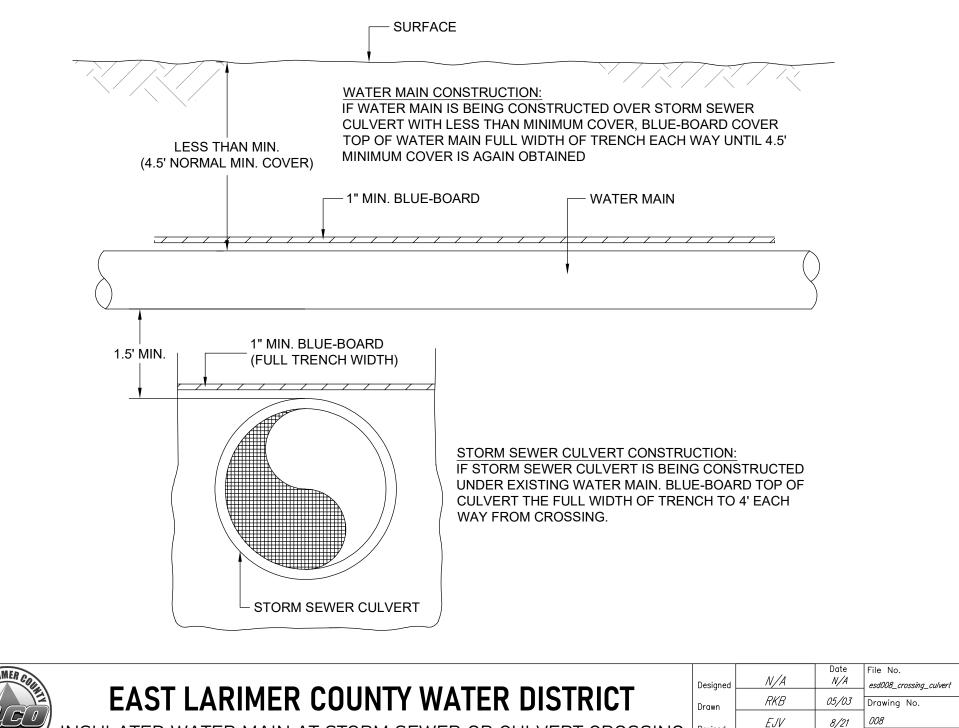
NOT TO SCALE

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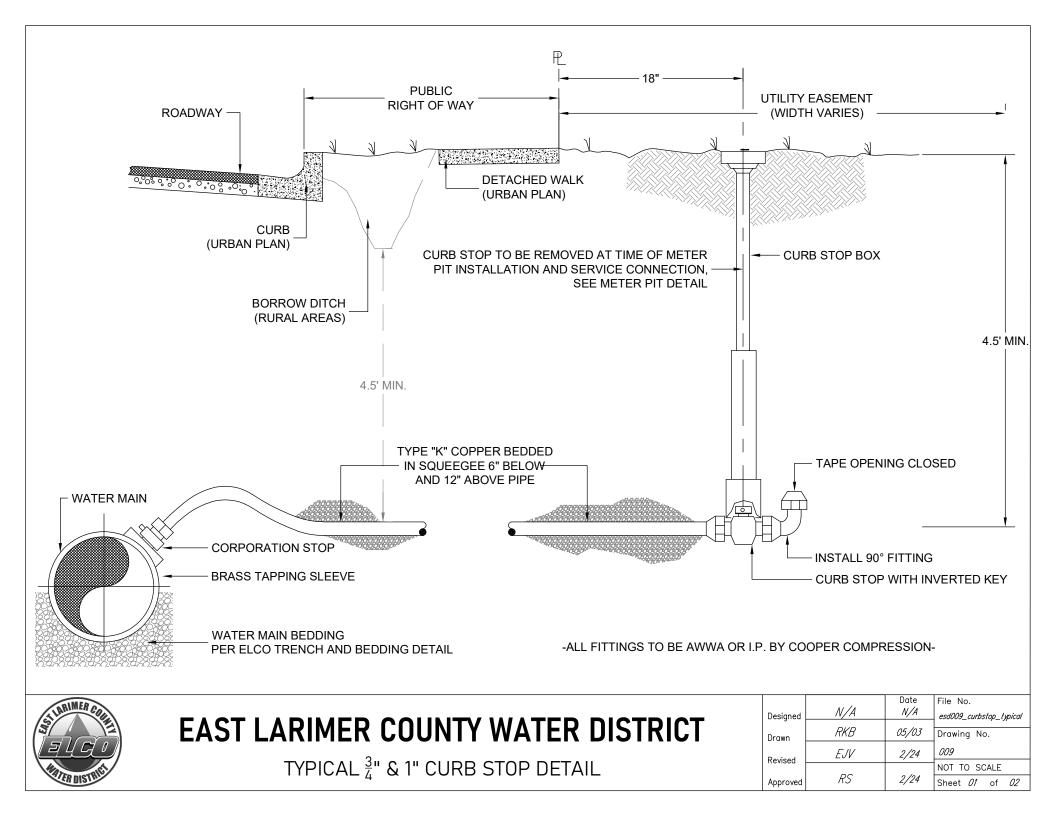


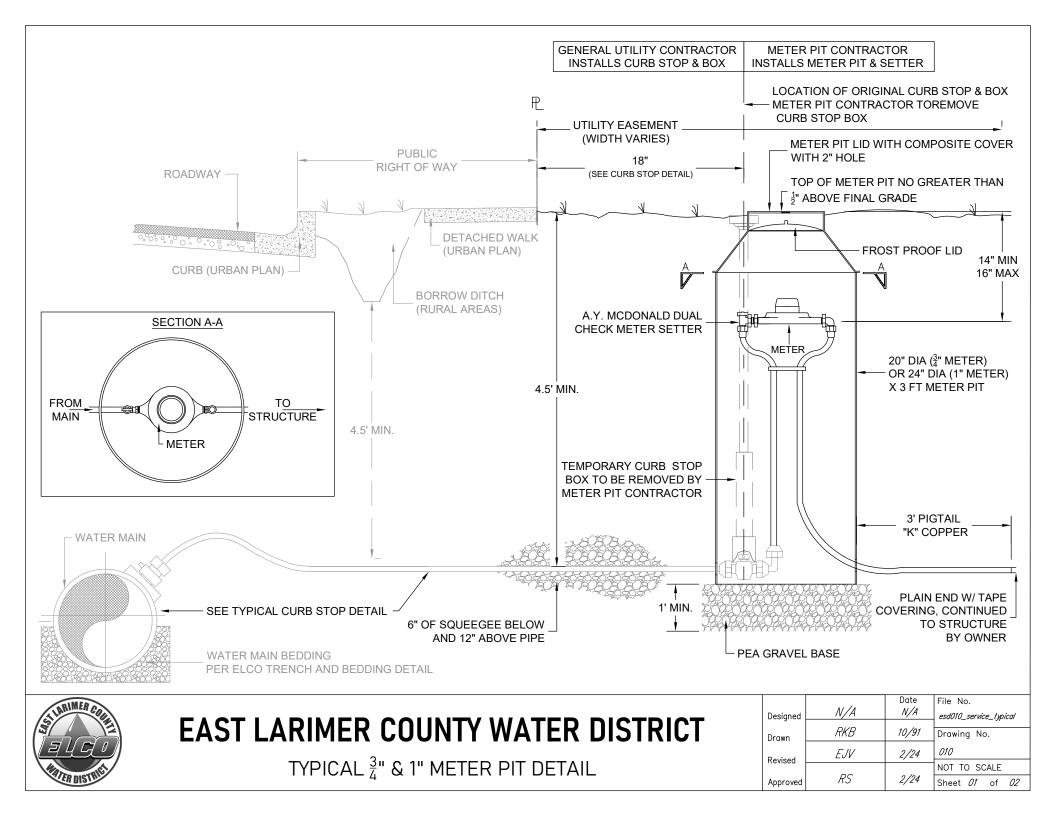
 $^\prime$  INSULATED WATER MAIN AT STORM SEWER OR CULVERT CROSSING

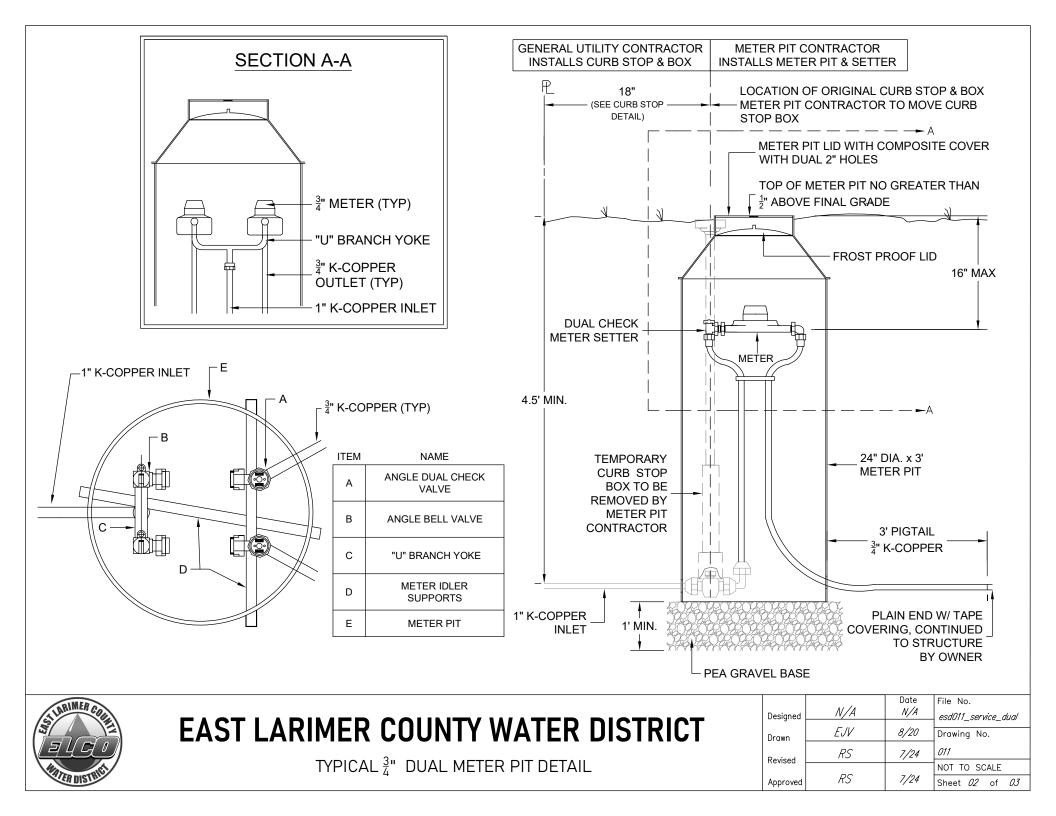
#### IG Revised 200 3/21 Approved RS 8/21

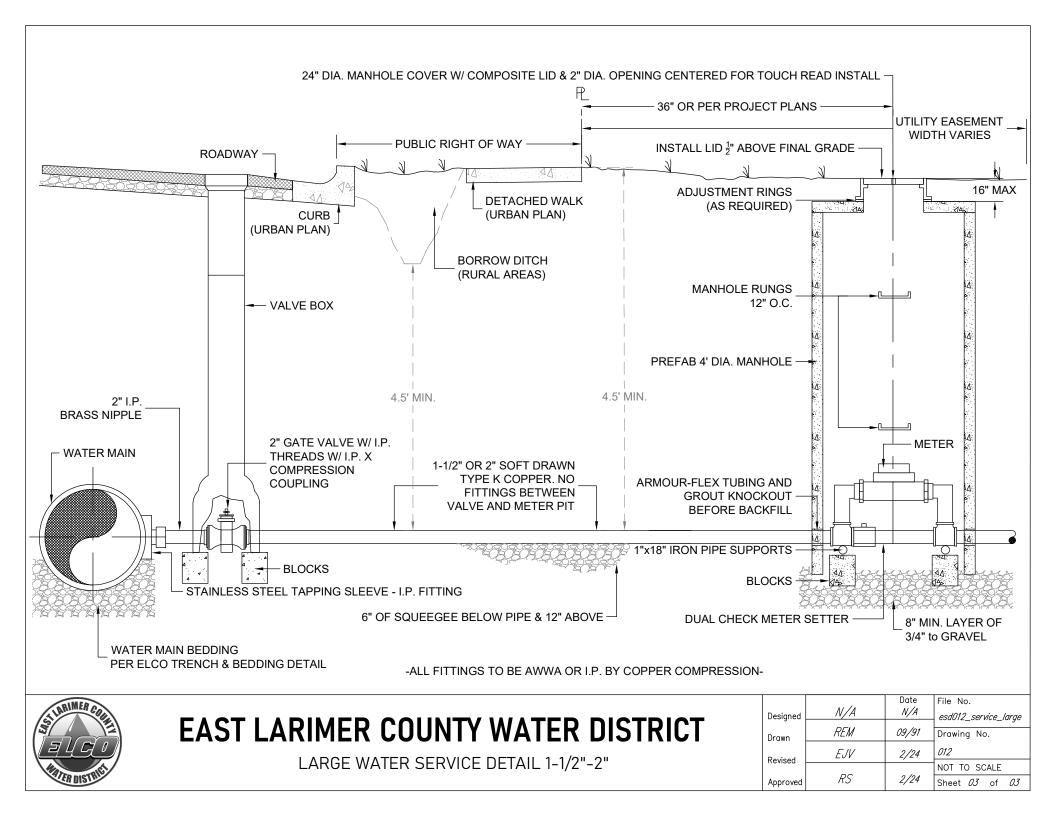
NOT TO SCALE

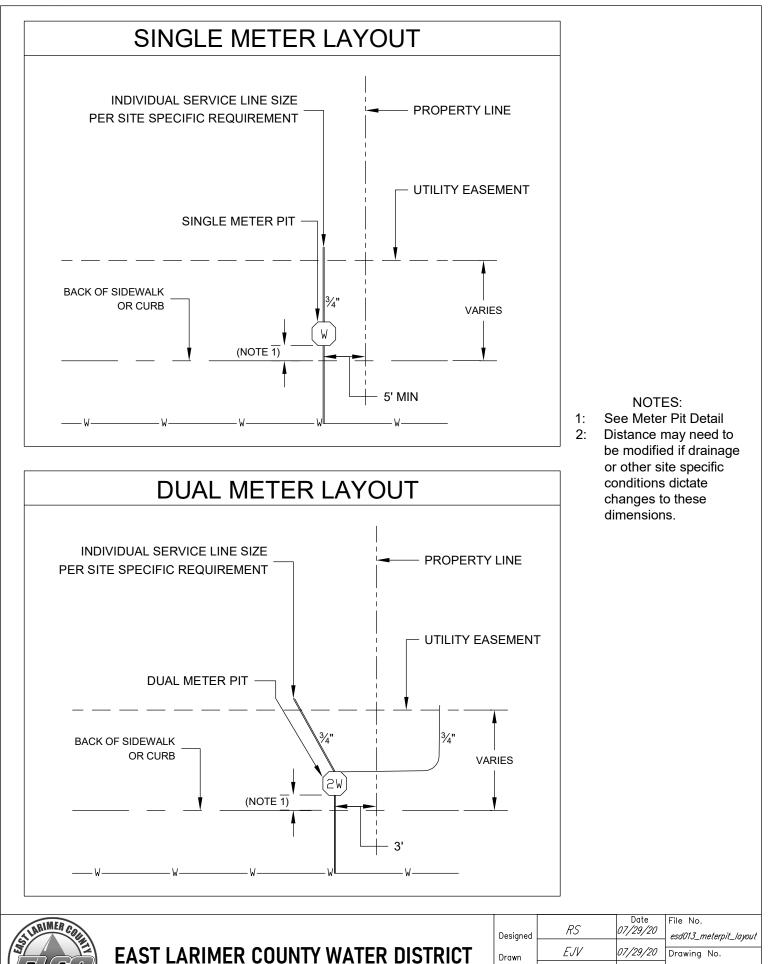
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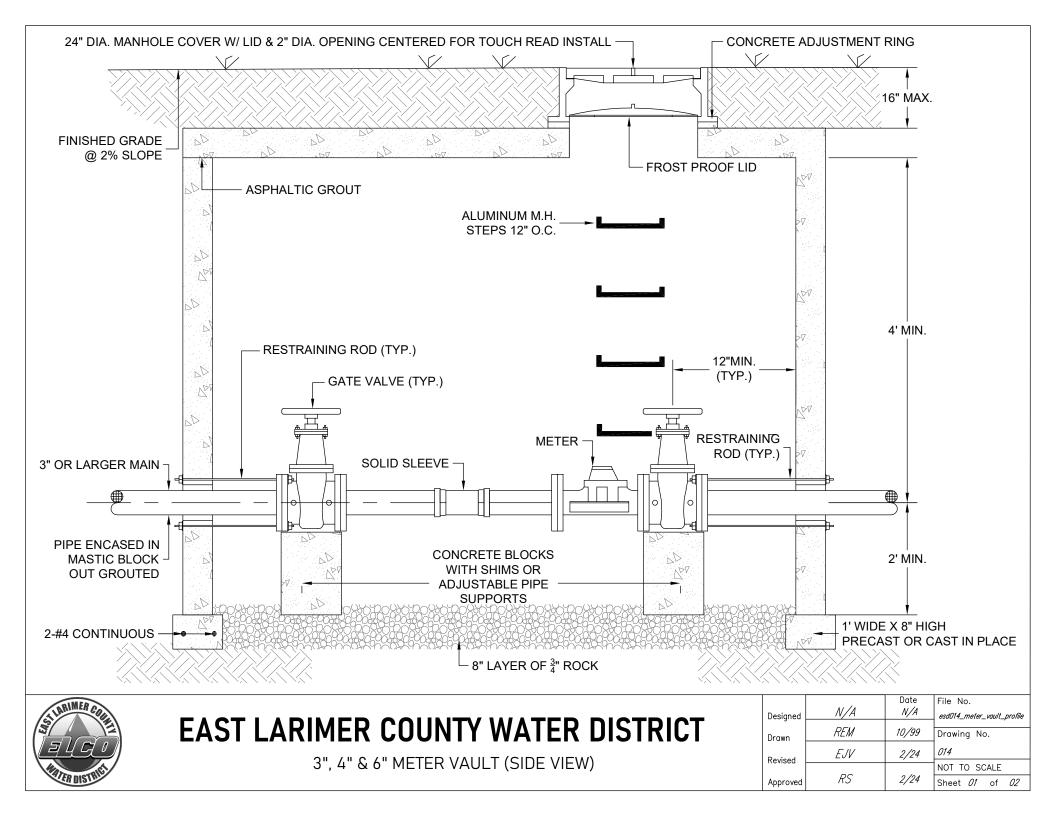


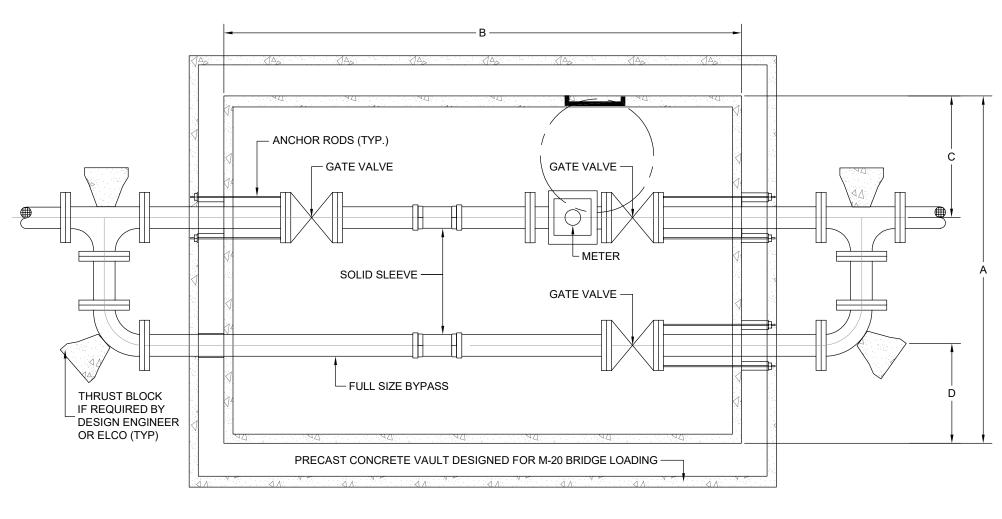




WATER METER LAYOUT DETAILS

Designed	RS	Date <i>07/29/20</i>	File No. esd013_meterpit_layout
Drawn	EJV	07/29/20	Drawing No.
Revised	EJV	2/24	013
ivevised .			NOT TO SCALE
Approved	RS	2/24	Sheet <i>01</i> of <i>01</i>



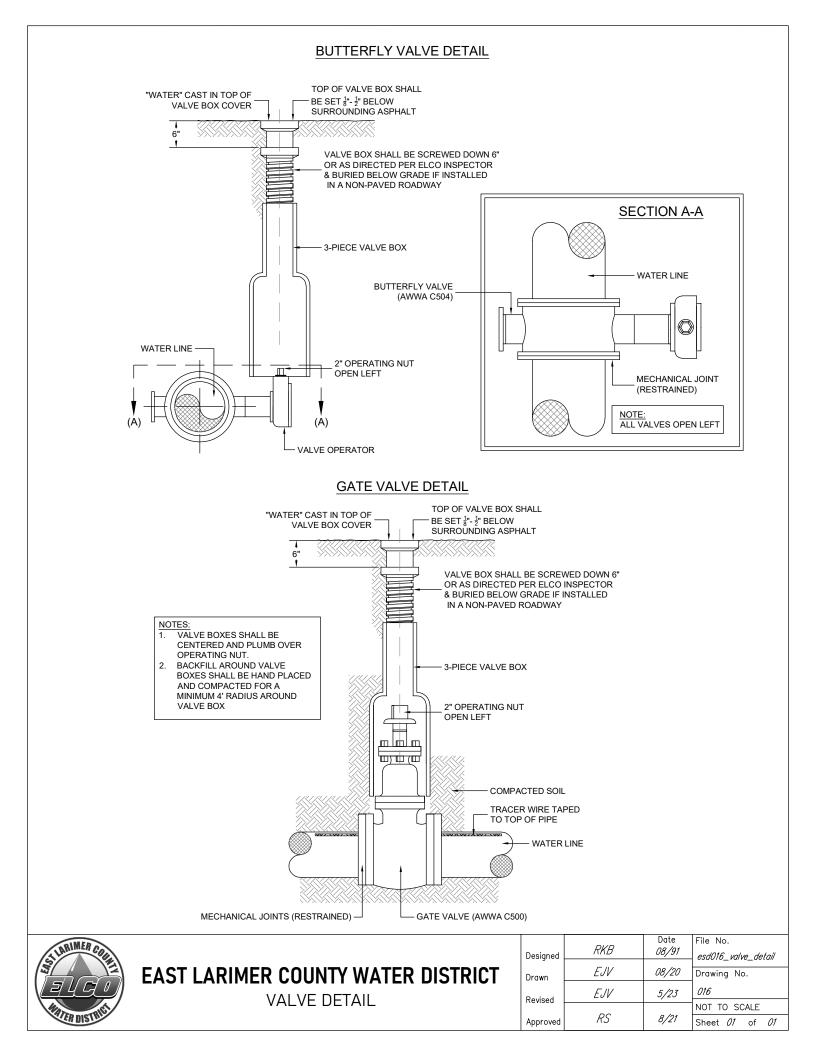


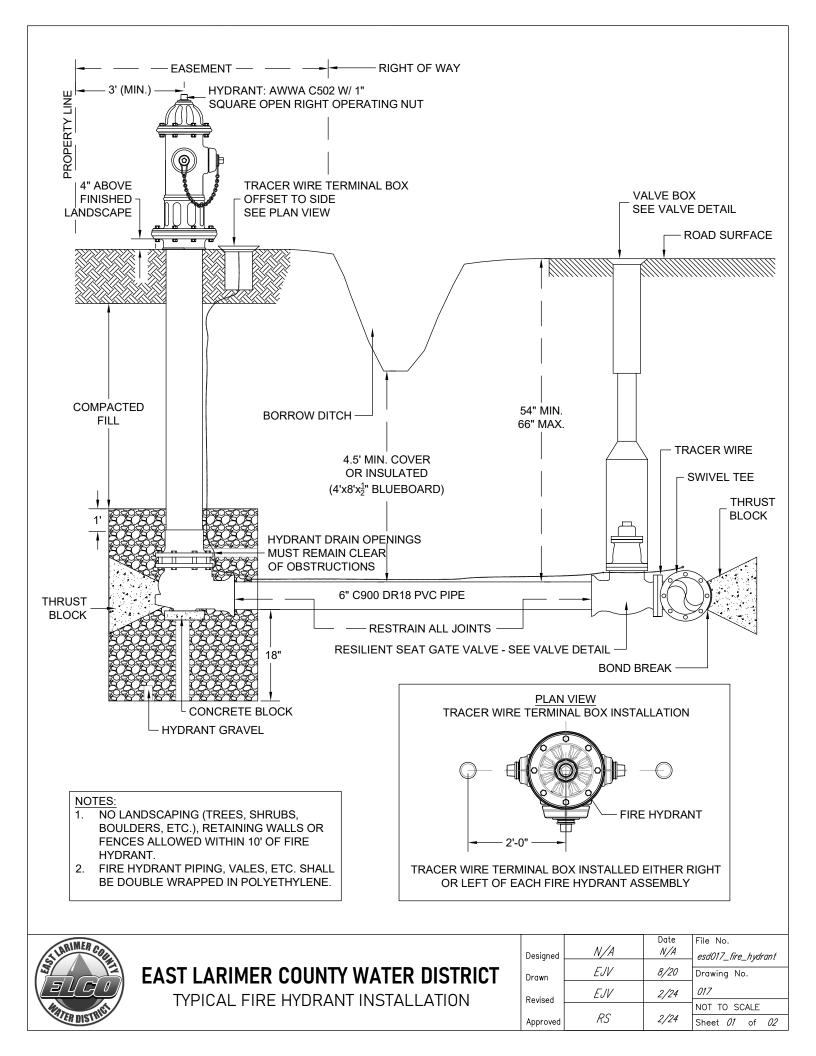
#### METER VAULT DIMENSIONS

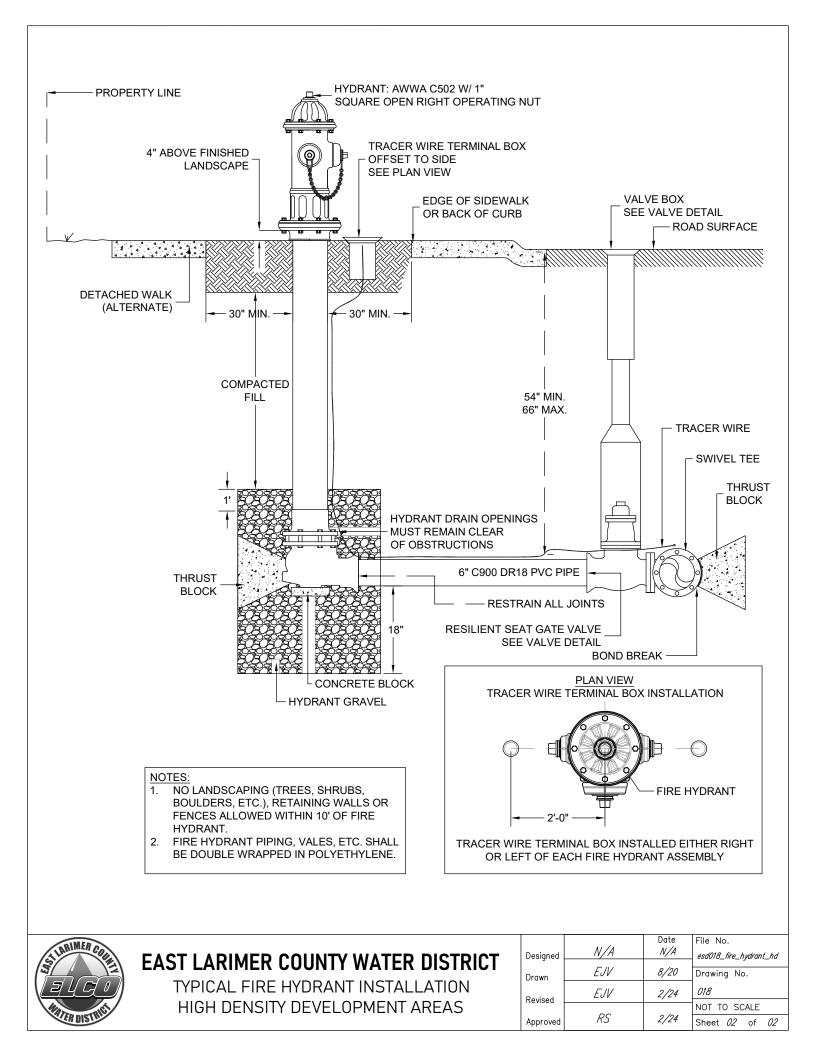
METER SIZE	А	В	С	D
3 inch	6'	7'	2'-6" MIN.	2'-6" MIN.
4 inch	7'	7'	3' MIN.	2'-6" MIN.
6 inch	8'	7'	3' MIN.	2'-6" MIN.

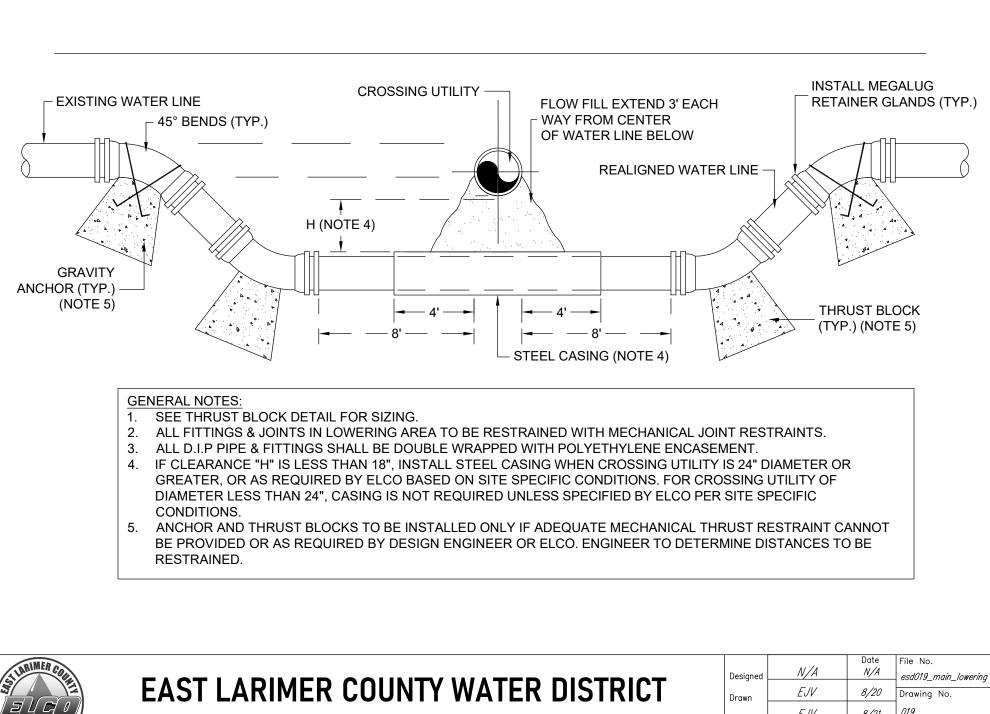
#### <u>GENERAL NOTES:</u> IF PRESSURE REDUCING VALVE IS REQUIRED IT SHALL BE INSTALLED INSIDE BUILDING, IMMEDIATELY FOLLOWING THE MAIN SHUT-OFF VALVE.





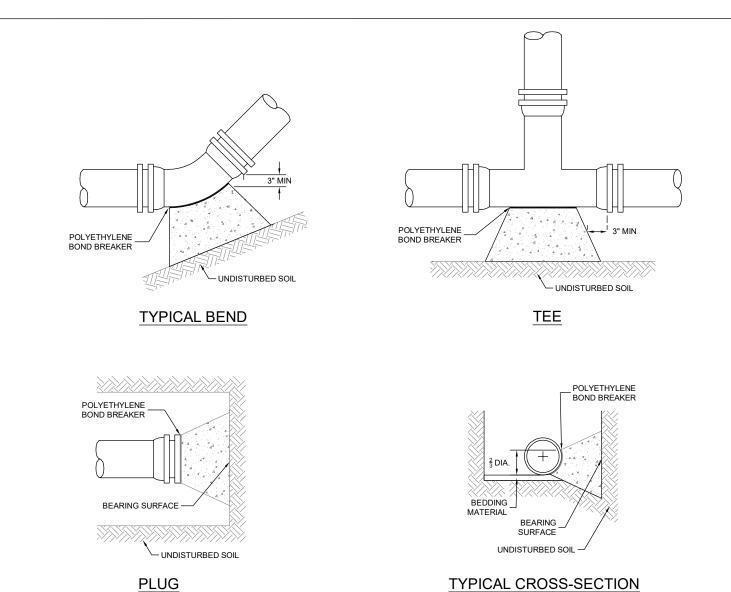






WATER MAIN LOWERING DETAIL

#### EJV 8/21 019 Revised NOT TO SCALE RS 8/21 Approved Sheet 01 of 01



#### **TYPICAL CROSS-SECTION**

BEARING AREAS FOR VARIOUS FITTINGS (FT <sup>2</sup> )					
SIZE	TEE & PLUG	90° BEND	45° BEND	22 <sup>1</sup> / <sub>2</sub> ° BEND	11 <sup>1</sup> / <sub>4</sub> ° BEND
6"	4.0	5.5	3.0	1.5	1.0
8"	6.5	9.0	5.0	2.5	1.5
12"	14.0	20.0	11.0	5.5	3.0
16"	25.0	35.0	19.0	10.0	5.0
20"	38.0	54.5	29.5	15.0	7.5
24"	55.5	78.5	42.5	22.0	11.0
30"	86.5	122.0	66.0	34.0	17.0
36"	124.0	175.5	95.0	48.5	24.5
42"	168.0	237.5	128.5	65.5	33.0

NOTES:

ALL CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH 1.

2. ALL FITTINGS & PLUGS MUST BE WRAPPED WITH POLYETHYLENE TO PREVENT CONCRETE FROM ADHERING TO THE BOLTS OR PIPE.

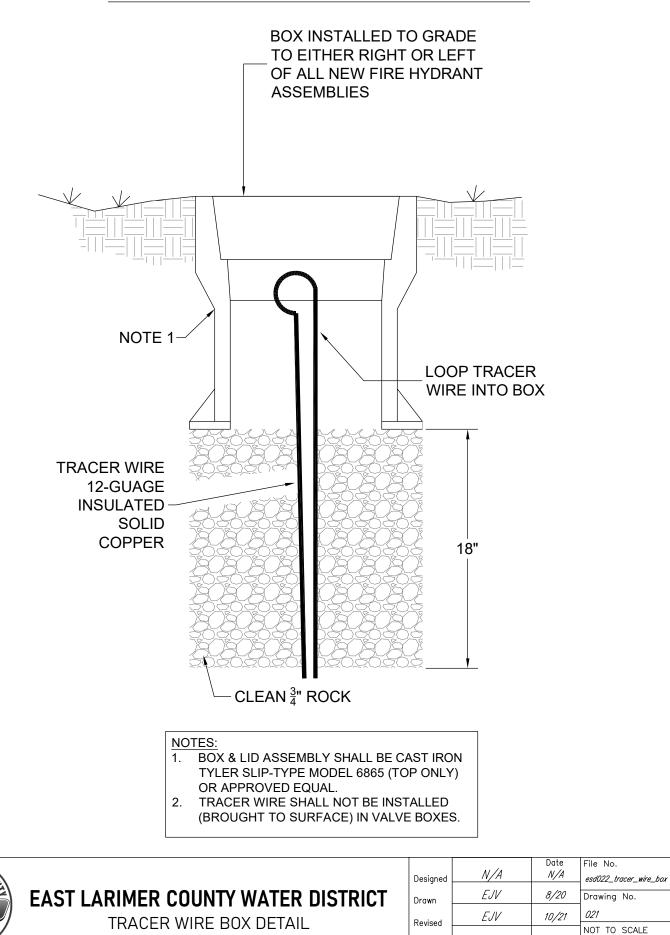


### EAST LARIMER COUNTY WATER DISTRICT

Designed	N/A	Date <i>N/A</i>	File No. esd020_typical_thrust
Drawn	EJV	8/20	Drawing No.
Revised	EJV	8/20	020
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Approve	RS RS	8/20	Sheet 01 of 01

TYPICAL THRUST BLOCK

## **INSTALLATION DETAIL**



RS

Approved

8/21

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