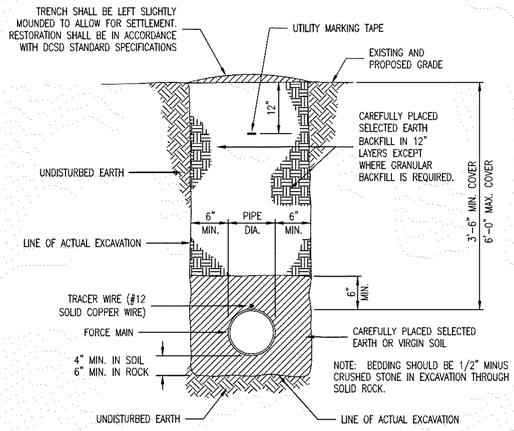
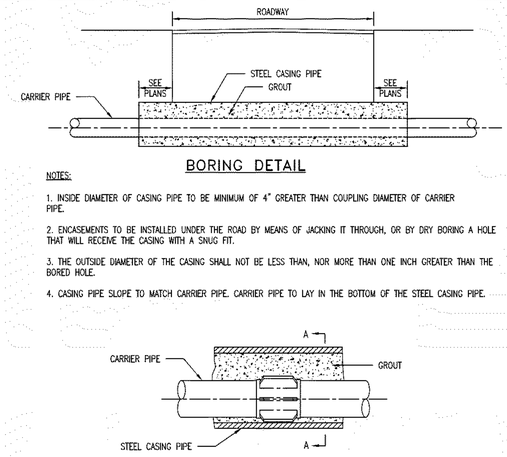


FORCE MAIN INSTALLATION

N.T.S.

Duckett Creek Sanitary District				
FORCE MAIN INSTALLATION	Dwn By: MSM	App By: KA	Detail No.	FM-1
	Ckd By:	Date: FEB. 2015		

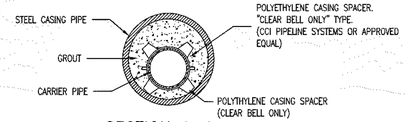


BORING DETAIL

NOTES:

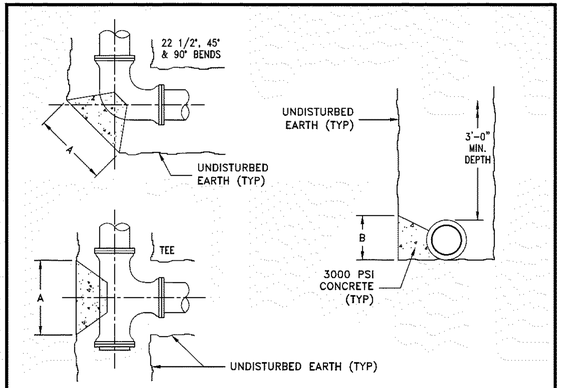
1. INSIDE DIAMETER OF CASING PIPE TO BE MINIMUM OF 4" GREATER THAN COUPLING DIAMETER OF CARRIER PIPE.
2. ENCASEMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING IT THROUGH, OR BY DRY BORING A HOLE THAT WILL RECEIVE THE CASING WITH A SNUG FIT.
3. THE OUTSIDE DIAMETER OF THE CASING SHALL NOT BE LESS THAN, NOR MORE THAN ONE INCH GREATER THAN THE BORED HOLE.
4. CASING PIPE SLOPE TO MATCH CARRIER PIPE. CARRIER PIPE TO LAY IN THE BOTTOM OF THE STEEL CASING PIPE.

SUPPORT OF CARRIER PIPE OR FORCE MAIN IN CASING



SECTION A–A

Duckett Creek Sanitary District				
ROADWAY BORING DETAIL	Dwn By: MSM	App By: KA	Detail No.	23
	Ckd By:	Date: DEC. 2015		



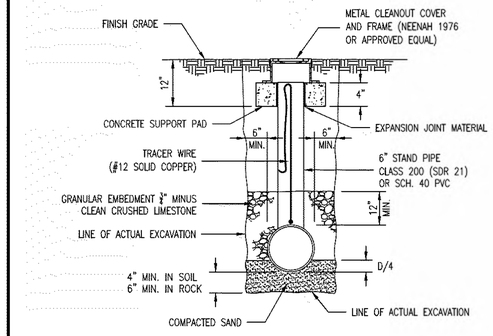
LPSS COLLECTOR MAIN PVC SDR 21 SIZE MIN. 2" I.D., THRUST BLOCK SIZE TO BE DETERMINED BY ENGINEER .

NOTES:

1. ALL A & B DIMENSIONS TO BE AS REQUIRED TO REACH UNDISTURBED EARTH BUT NOT LESS THAN LISTED ON THRUST BLOCK TABLE.
2. DIMENSIONS A & B APPLY TO ALL BEND CONDITIONS SHOWN.
3. INSTALL PLUGS AT ALL RUNS OR BRANCHES DISCONTINUED FOR FUTURE SERVICES.
4. ALL BENDS, TEES, PLUGS, FITTINGS OR OTHER SIGNIFICANT CHANGES SHALL BE BRACED WITH POURED CONCRETE THRUST BLOCK AS SHOWN ON THIS DETAIL.
5. ALL PLUGS SHALL BE SEPARATED FROM THE CONCRETE THRUST BLOCK BY A 5 MIL LAYER OF PLASTIC SHEETING.

MAIN SIZE	A x B 22½°	A x B 45°	A x B 90°	A x B TEE
2"	.5' x 1'	.5' x 1'	1' x 1'	1' x 1'
4"	1' x 1'	1' x 1'	1.5' x 1'	1' x 1'
6"	1' x 1'	1.5' x 1'	2' x 1'	1.5' x 1'
8"	1' x 1'	2' x 1'	2' x 1'	2' x 1'

Duckett Creek Sanitary District				
THRUST BLOCK DETAIL AND SIZE SCHEDULE	Dwn By: BSM	App By: KA	Detail No.	29
	Ckd By: MDOB	Date: DEC. 2015		



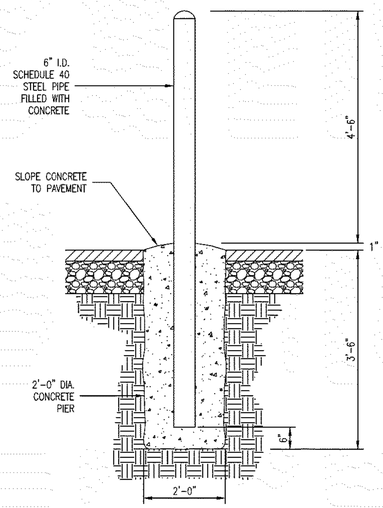
TRACER WIRE ACCESS DETAIL

N.T.S.

NOTES:

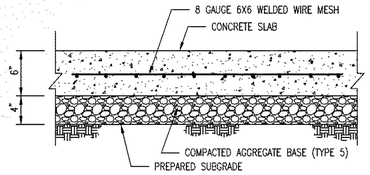
1. ALL SPLICES OF TRACER WIRE MUST BE MADE WITH 3M WATERPROOF SPLICE KITS OR APPROVED EQUAL.
2. A MINIMUM OF 5' OF EXCESS FROM EACH DIRECTION SHALL BE ROLLED UP AND BE AVAILABLE AT THE TOP OF THE TRACER ACCESS BOX.

Duckett Creek Sanitary District				
TRACER WIRE ACCESS DETAIL	Dwn By: MSM	App By: KA	Detail No.	FM-3
	Ckd By:	Date: FEB. 2015		



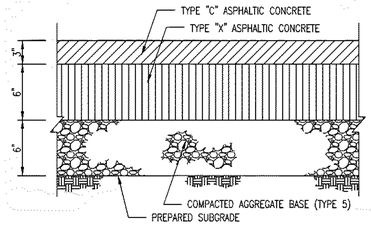
PIPE BOLLARD DETAIL

NTS



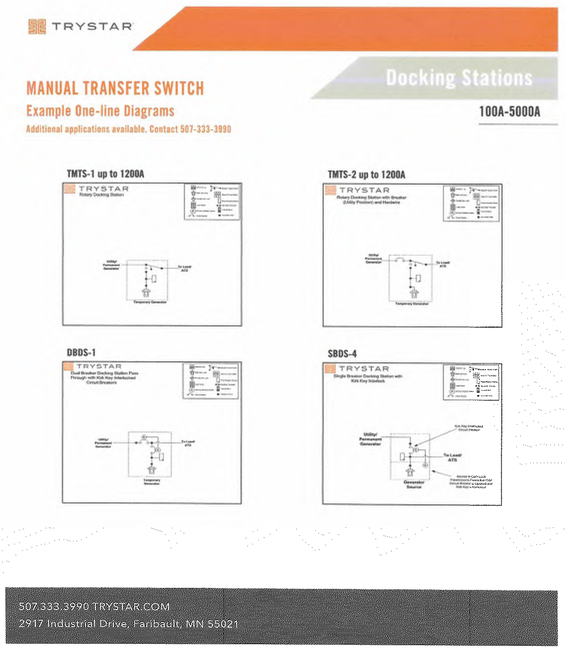
CONCRETE PAVEMENT DETAIL

NTS



ASPHALT PAVEMENT DETAIL

NTS



O'fallon Planning and Development Division File No.: 20-005554 | Approved: January 7, 2021

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PROFESSIONAL ENGINEER
06-29-21
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Professional Engineer
PE-2017018988

SOMMERLIN

PUMP STATION DETAILS: SHEET 2

Design By: RLH
Drawn By: RLH
Checked By: RLH
Volz Project # 22074

06-28-21

C48.1

H:\CAD\22000-22999\22074\Imp Plans\22074 - C48.1 Pump Station Details Sheet 2.dgn Default 6/30/2021 8:38:27 AM Plotted by: rholmes Plot Scale: 1.0000 '= 1' in. Plot Driver: volz15.pdf pltcfg Pen Table: Volz15_PDF.tbl