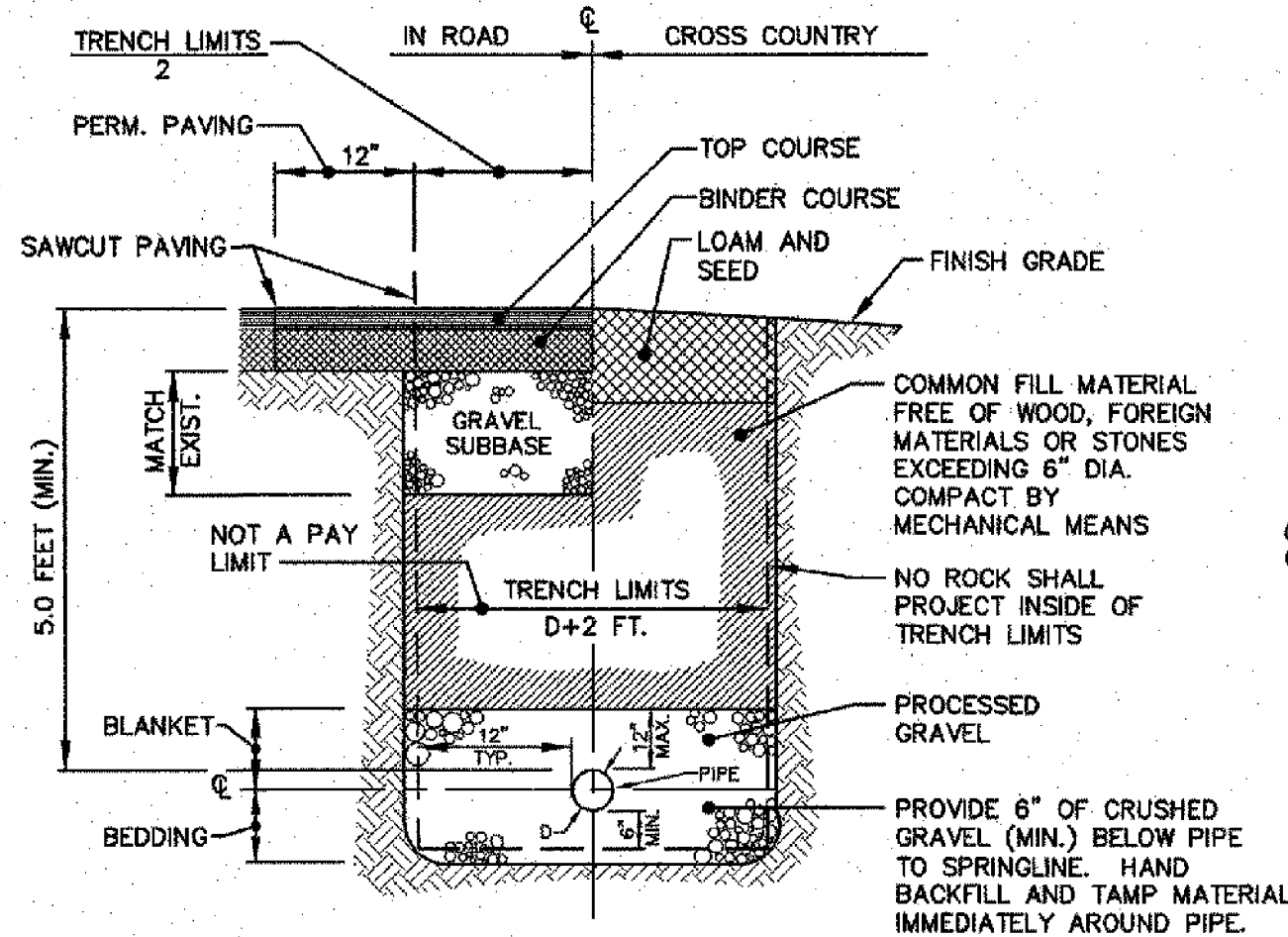


PRECAST CONCRETE MANHOLE

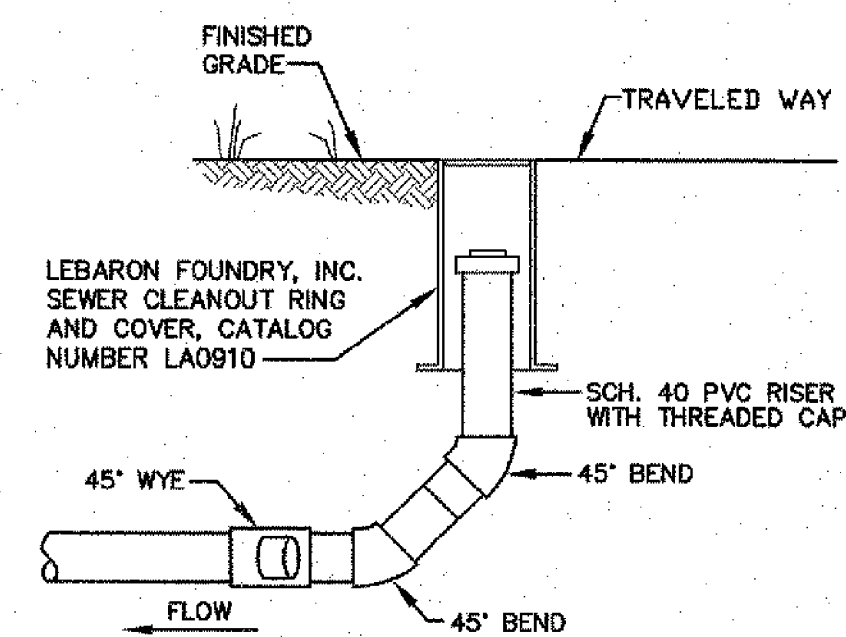
NOT TO SCALE

NOTE:
MANHOLE STRUCTURE TO BE CAPABLE OF SUPPORTING AASHTO H-20 LOADING



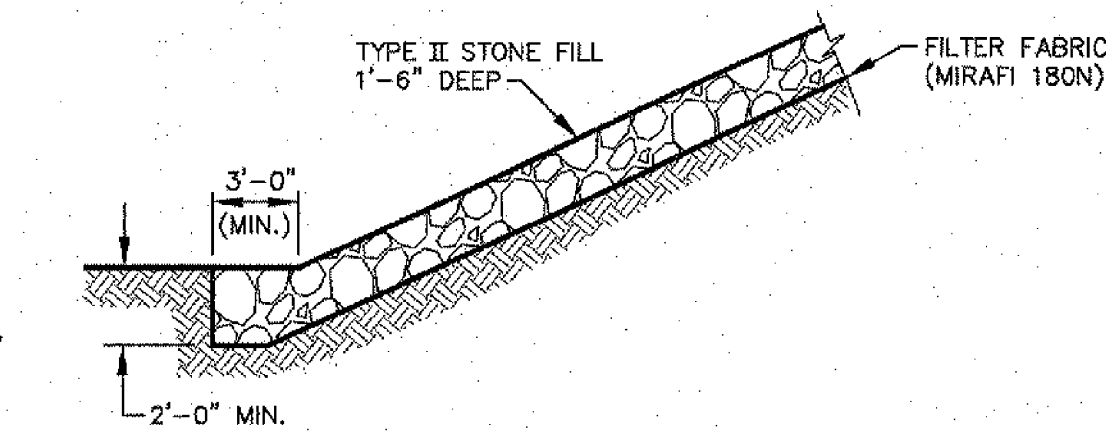
TYPICAL SANITARY SEWER TRENCH DETAIL

NOT TO SCALE



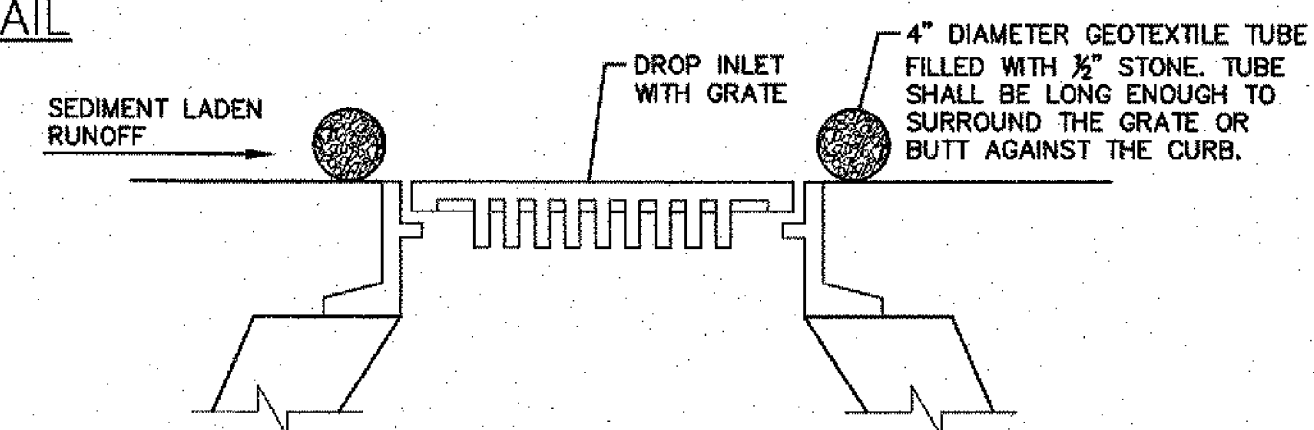
BUILDING SERVICE CLEAN OUT DETAIL

NOT TO SCALE



STONE FILL SLOPE PROTECTION DETAIL

NOT TO SCALE



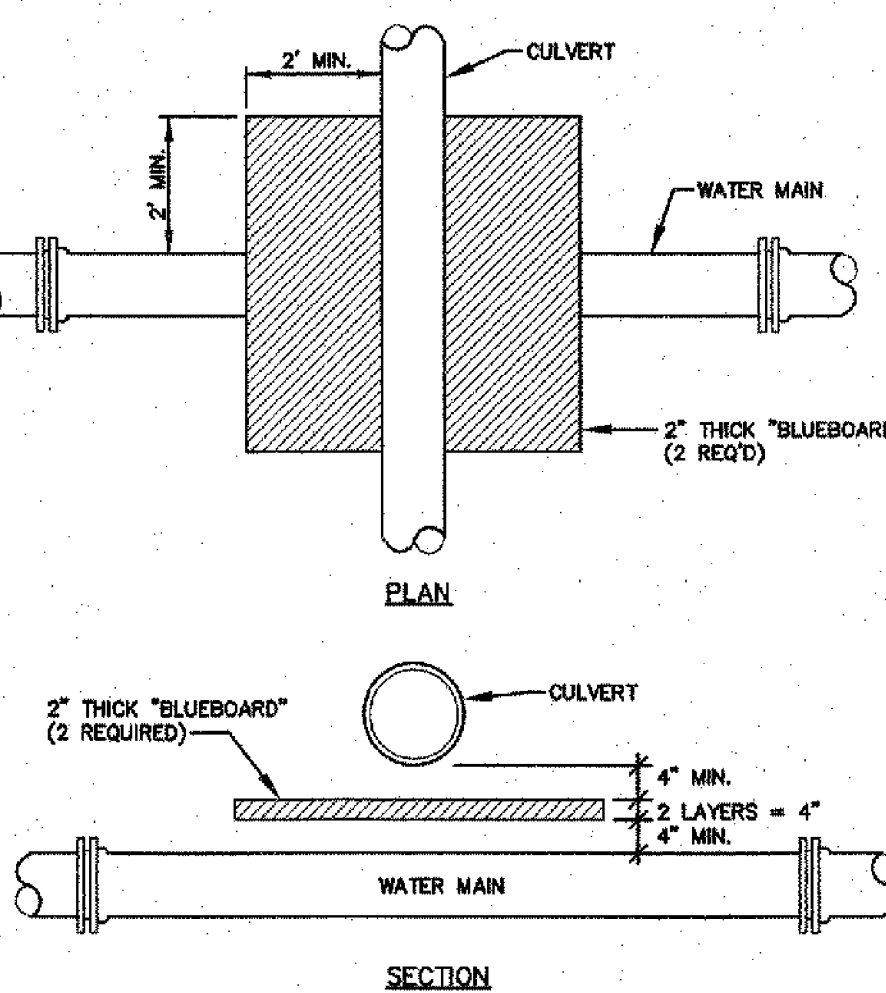
CATCH BASIN INLET PROTECTION

MAINTENANCE:

1. CONTRACTOR TO CLEAN AFTER EVERY STORM. IF THE BARRIER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PASSES FILTERED WATER, THE SEDIMENT SHALL BE REMOVED AND THE BARRIER SHALL BE REPLACED. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
2. THE BARRIER SHALL BE REMOVED WHEN THE DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED.

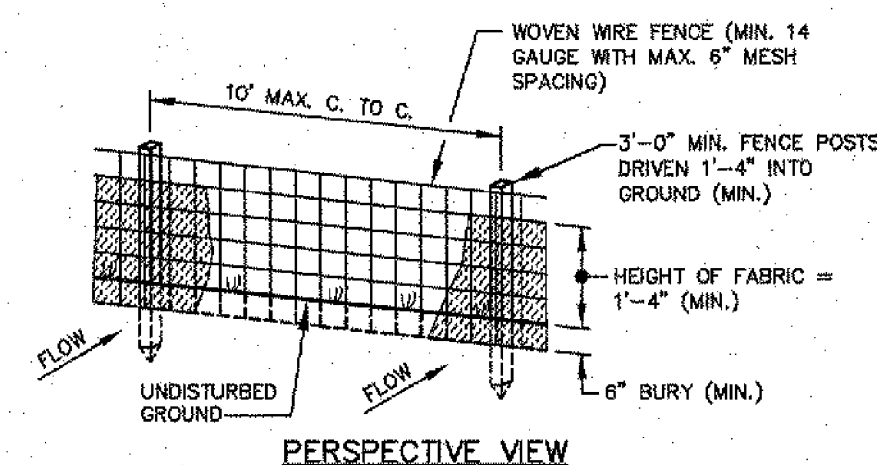
INLET PROTECTION DETAIL

NOT TO SCALE



WATER MAIN INSULATION DETAIL

NOT TO SCALE

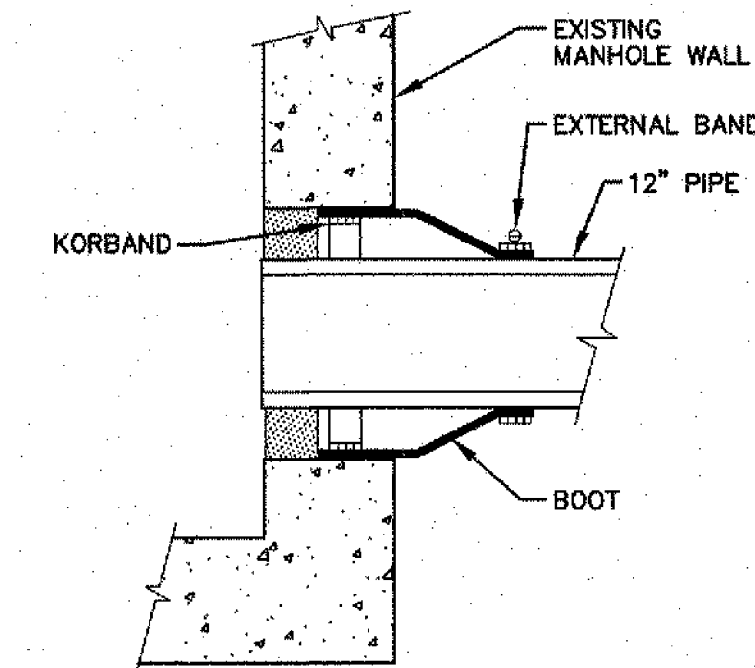


NOTES:

1. POSTS FOR ATTACHING FABRIC SHALL BE PLACED A MINIMUM OF 6' FROM TOE OF THE SLOPE.
2. TO BE USED WHERE EXISTING GROUND SLOPES AWAY FROM THE TOE OF THE EMBANKMENT.
3. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. WIRE FENCE REINFORCEMENT REQUIRED WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS.
4. FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6 INCH MAXIMUM MESH OPENING.
5. WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND TOLDED. CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA TH-10N, OR APPROVED EQUAL.
6. CONTRACTOR TO INSPECT SILT FENCE FREQUENTLY, AND REPAIR OR REPLACE ANY DAMAGED SECTIONS. REMOVE SILT FROM BEHIND THE FENCE WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE, OR WHEN HEAVY RUNOFF OR SILTATION IS EXPECTED.

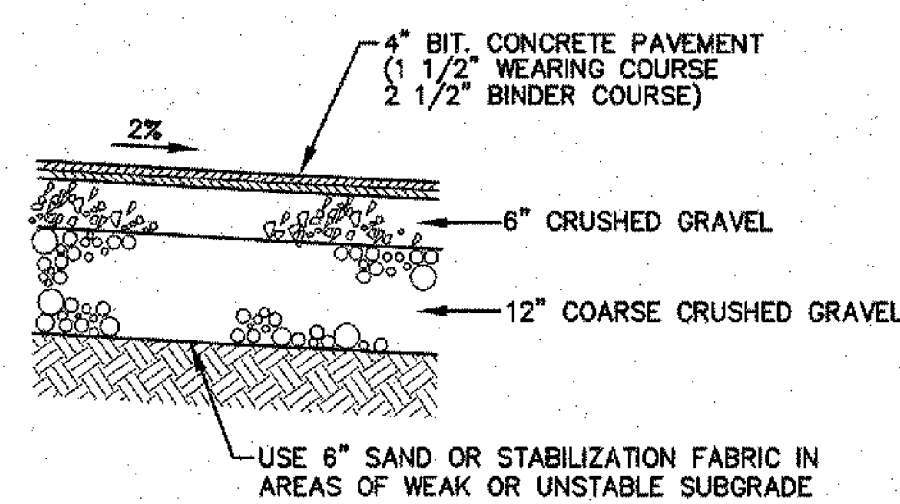
REINFORCED SILT FENCE DETAIL

NOT TO SCALE



PIPE TO EXISTING SEWER MANHOLE JOINT DETAIL

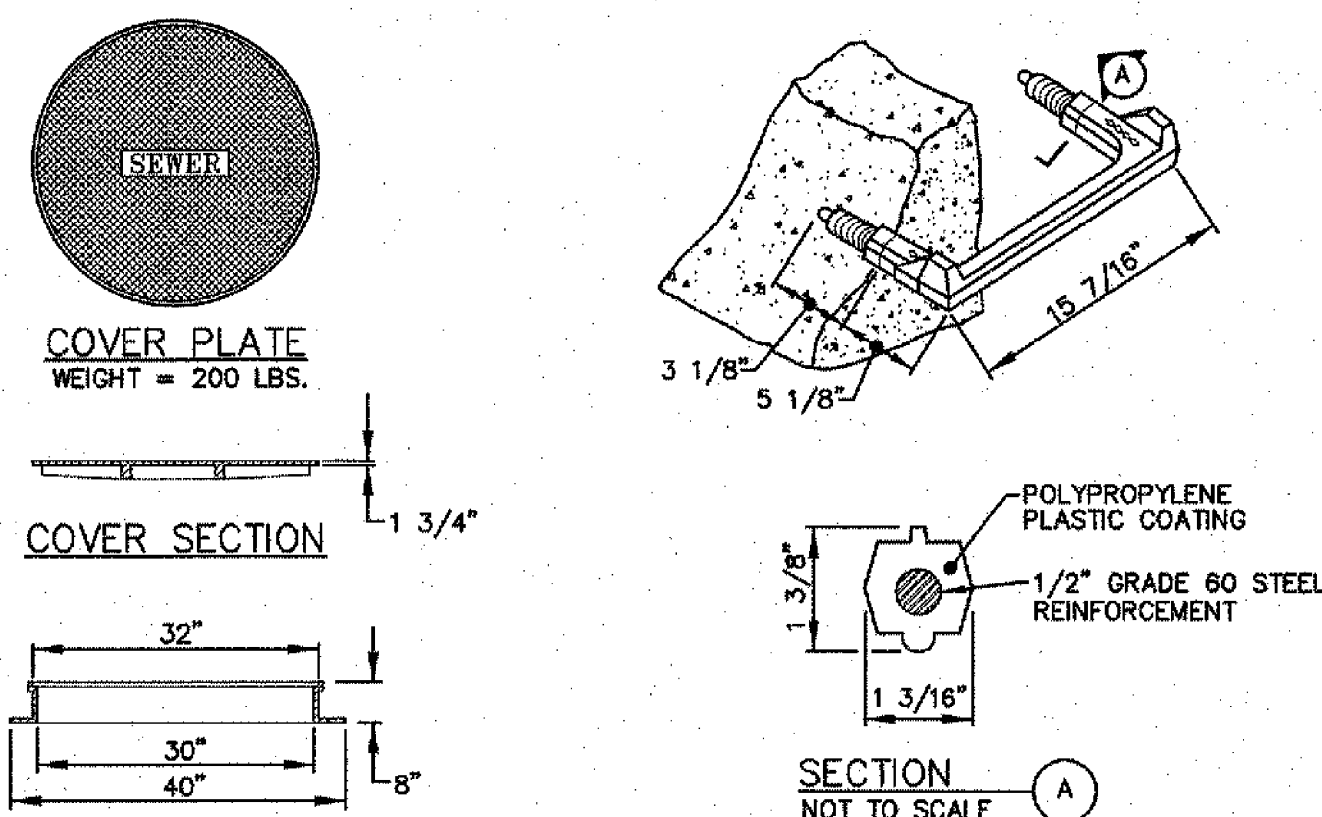
NOT TO SCALE



TYPICAL PAVEMENT SECTION

NOT TO SCALE

NOTE:
MATERIALS TO COMPLY WITH VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.

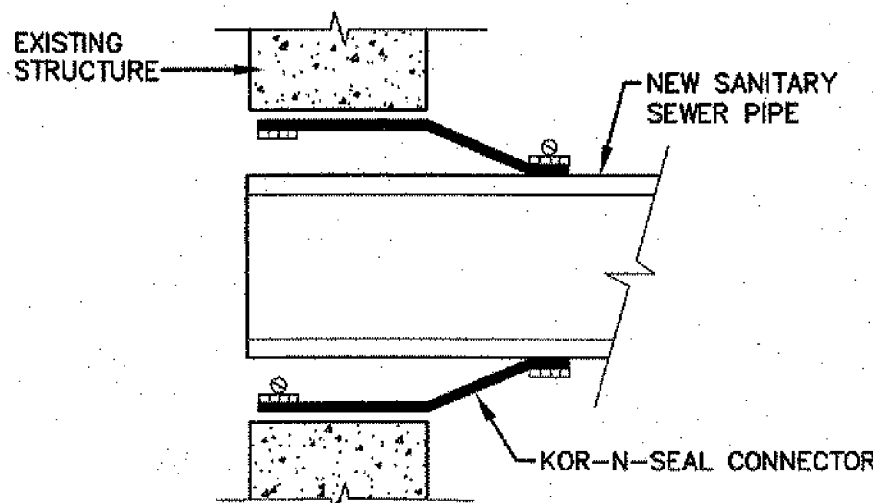


MANHOLE STEP DETAIL

NOT TO SCALE

MANHOLE FRAME AND COVER DETAIL

NOT TO SCALE



KOR-N-SEAL DETAIL

NOT TO SCALE

NOTE:
CONTRACTOR SHALL RECONSTRUCT EXISTING SHELF IN MANHOLE TO PROVIDE POSITIVE FLOW TO INVERT OUT.

- NOTE:
IN SITUATIONS WHERE WATER AND SEWER LINES CROSS, SEWER LINES SHALL BE LAID BENEATH WATER MAINS WITH AT LEAST 18" OF VERTICAL CLEARANCE BETWEEN THE OUTSIDE OF THE SEWER AND OUTSIDE OF THE WATER MAIN. IF IT IS NOT POSSIBLE TO PROVIDE THIS VERTICAL CLEARANCE, 1) ONE FULL LENGTH OF SEWER PIPE SHALL BE CENTERED ABOVE OR BELOW THE WATER LINE SO THE SEWER JOINTS ARE AS FAR FROM THE WATER LINE AS POSSIBLE; 2) THE SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING, OR A TOTAL OF 3 PIPE LENGTHS WHICHEVER ONE IS GREATER; 3) THE SECTION CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 PSI FOR 15 MINUTES WITHOUT LEAKAGE PRIOR TO BACKFILLING BEYOND ONE FOOT ABOVE THE PIPE TO ASSURE WATER TIGHTNESS; 4) IN SITUATIONS WHEN A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

SEWER PIPE AND WATER MAIN CROSSING

NOT TO SCALE



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Stantec

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Consultants

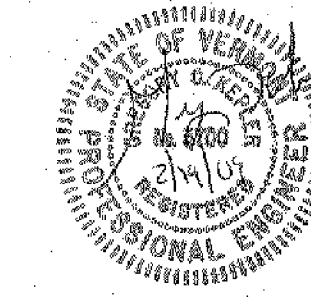
Legend

Notes

Revision	By	Appd.	YY/MM/DD	
1	FINAL DESIGN TO VADT - BRIDGE SECTION	B.V.D.	C.C.K.	09.02.19
Issued		By	Appd.	YY/MM/DD

File Name:	B.V.D.	C.C.K.	B.V.D.	09.02.09
00395C-502.dwg	Dwn.	Chkd.	Dgn.	YY/MM/DD

Permit-Seal



PROJECT NAME: SPRINGFIELD
PROJECT NUMBER: BHF 016-2(14)
HIGHWAY NO.: VT 8
BRIDGE NO.: 64
OVER: BLACK RIVER
SHEET 43 OF 72

Client/Project

TOWN OF SPRINGFIELD

COMMUNITY CENTER BRIDGE
UTILITY CROSSING
Springfield, Vermont

Title

MISCELLANEOUS UTILITY &
SITE DETAILS

Project No.	Scale	
210800395	AS SHOWN	
Drawing No.	Sheet	Revision

C-502 U5 of U5 0

FINAL DESIGN

FEBRUARY 19, 2009