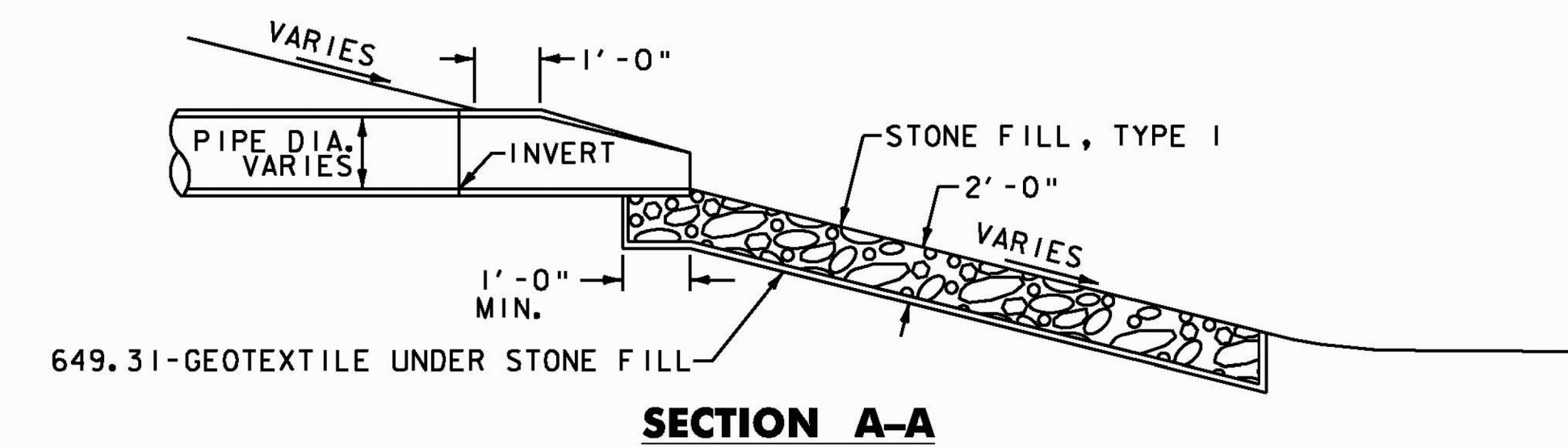
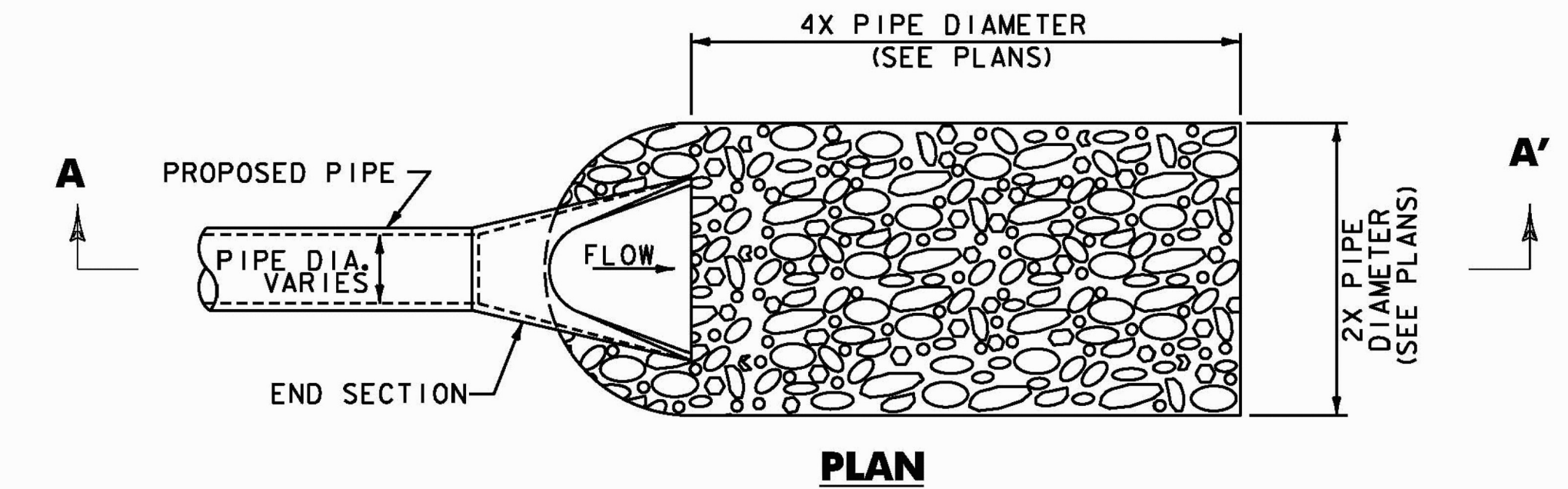
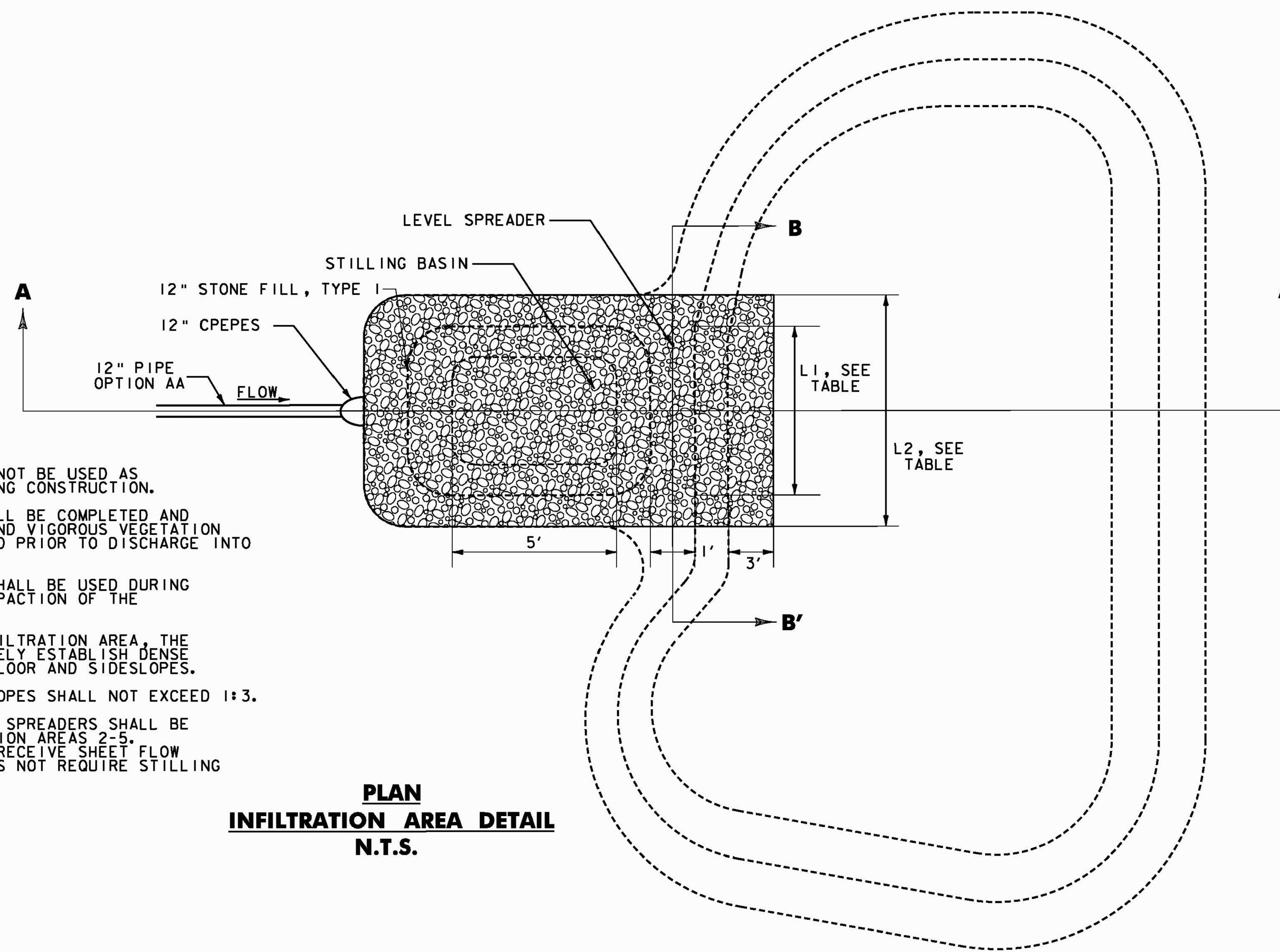


**INFILTRATION AREA NOTES:**

1. INFILTRATION AREAS SHALL NOT BE USED AS SEDIMENTATION BASINS DURING CONSTRUCTION.
2. UPSTREAM CONSTRUCTION SHALL BE COMPLETED AND STABILIZED AND A DENSE AND VIGOROUS VEGETATION COVER SHALL BE ESTABLISHED PRIOR TO DISCHARGE INTO THE INFILTRATION AREA.
3. LIGHT TRACKED EQUIPMENT SHALL BE USED DURING CONSTRUCTION TO AVOID COMPACTION OF THE INFILTRATION AREA FLOOR.
4. UPON FINAL GRADING OF INFILTRATION AREA, THE CONTRACTOR SHALL IMMEDIATELY ESTABLISH DENSE VEGETATION ON THE BASIN FLOOR AND SIDESLOPES.
5. INFILTRATION AREA SIDE SLOPES SHALL NOT EXCEED 1:3.
6. STILLING BASINS AND LEVEL SPREADERS SHALL BE CONSTRUCTED FOR INFILTRATION AREAS 2-5. INFILTRATION AREA 1 WILL RECEIVE SHEET FLOW RUNOFF, AND THEREFORE DOES NOT REQUIRE STILLING BASIN/ LEVEL SPREADER.

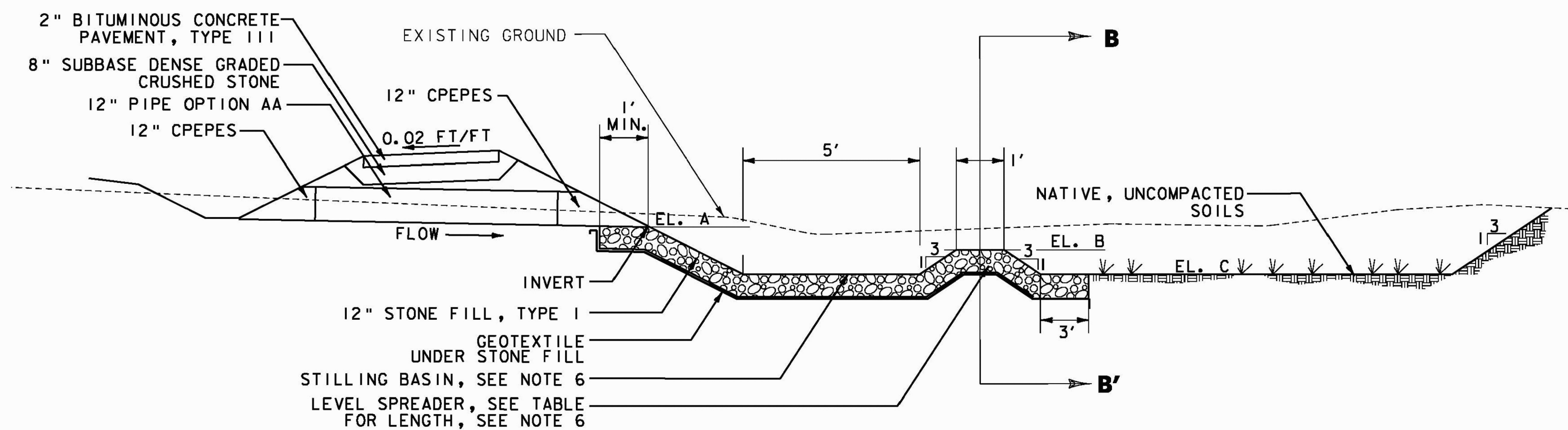
**PLAN  
INFILTRATION AREA DETAIL  
N.T.S.**



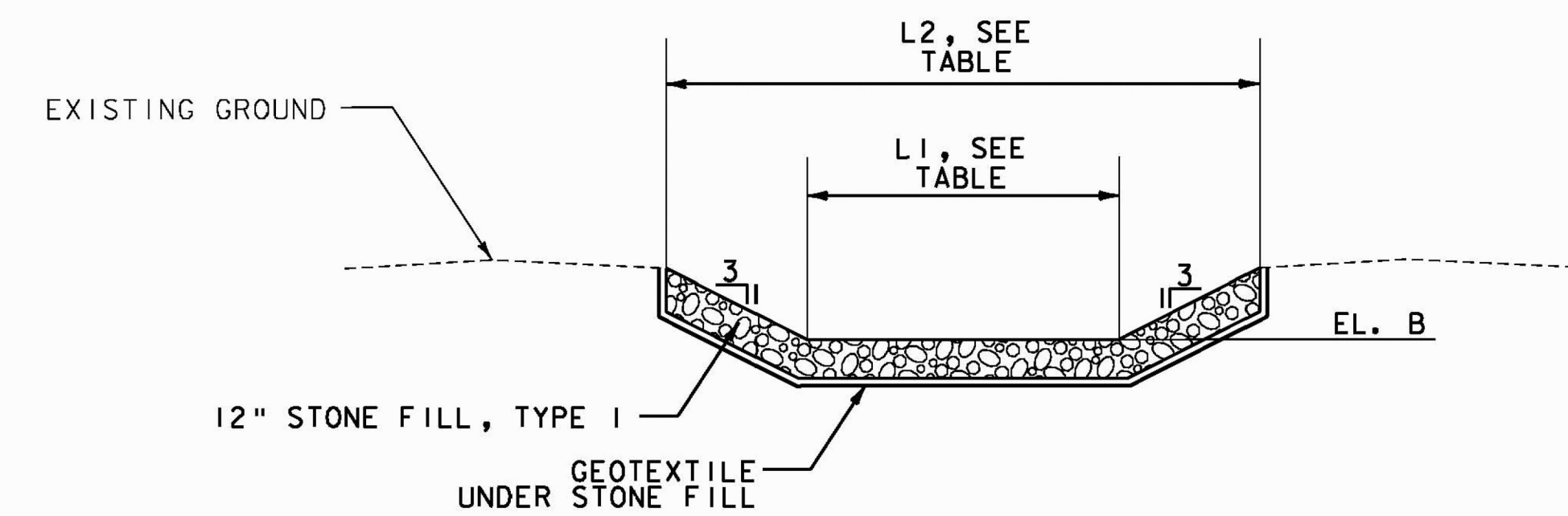
**SECTION A-A  
CULVERT OUTLET PROTECTION  
N.T.S.**

VT NATIONAL GUARD ROAD, STA. 32+75, RT. - CULVERT CV 1

PIPE NO.	DIAMETER (inches)	VELOCITY (fps)	STONE FILL	WIDTH (ft)	LENGTH (ft)	THICKNESS (ft)
CV1	12"	2.09	TYPE 1	2	4	2



**SECTION A-A'  
INFILTRATION AREA DETAIL  
N.T.S.**



**SECTION B-B'  
INFILTRATION AREA DETAIL  
N.T.S.**

INFILTRATION AREA	STATION	LOCATION	CULVERT NUMBER	CULVERT INVERT OUT ELEVATION (FT) (EL. A)	LEVEL SPREADER LENGTH (FT) (L1)	APRON LENGTH (FT) (L2)	TOP OF LEVEL SPREADER (FT) (EL. B)	BOTTOM OF INFILTRATION BASIN (FT) (EL. C)
1	31+50 - 35+00	VT NATIONAL GUARD ROAD, LT.	-	-	-	-	-	317.00
2	33+25	VT NATIONAL GUARD ROAD, RT.	CV1	316.10	6	9	315.50	315.00
3	111+54	HEGEMAN AVENUE LT.	CV2	315.30	8	11	315.00	314.50
4	118+67	HEGEMAN AVENUE LT.	CV3	315.95	6	9	315.50	315.00
5	123+14	HEGEMAN AVENUE LT.	CV4	315.64	6	9	316.00	315.50

**RECORD DRAWING**  
**DATE: DECEMBER 21, 2012**

PROJECT NAME: COLCHESTER CAMPUS CONNECTOR  
PROJECT NUMBER: TCSP TCSE (007)

FILE NAME: ...\\Plot Files\083-086\_Swmdet.p1#LOT DATE: 12/2/2010  
PROJECT LEADER: JBL DRAWN BY: PZA  
DESIGNED BY: TFD CHECKED BY: GGG  
STORMWATER MGT. DET. SWM-3 SHEET 81 OF 153

