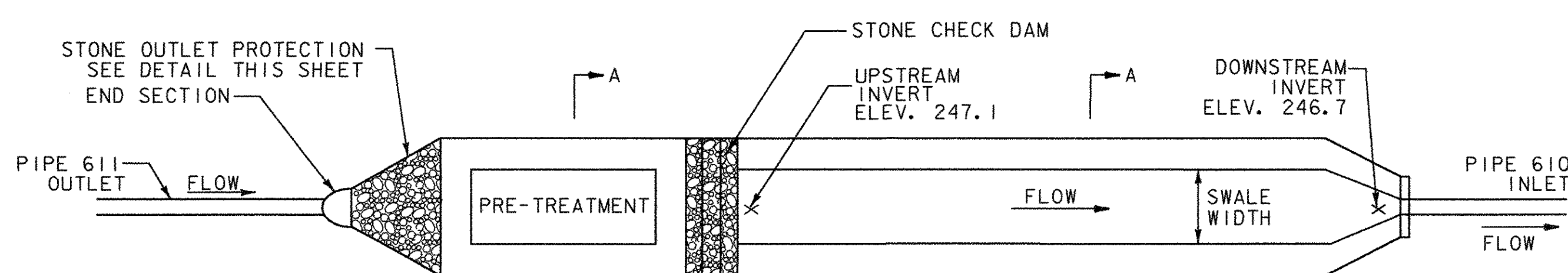
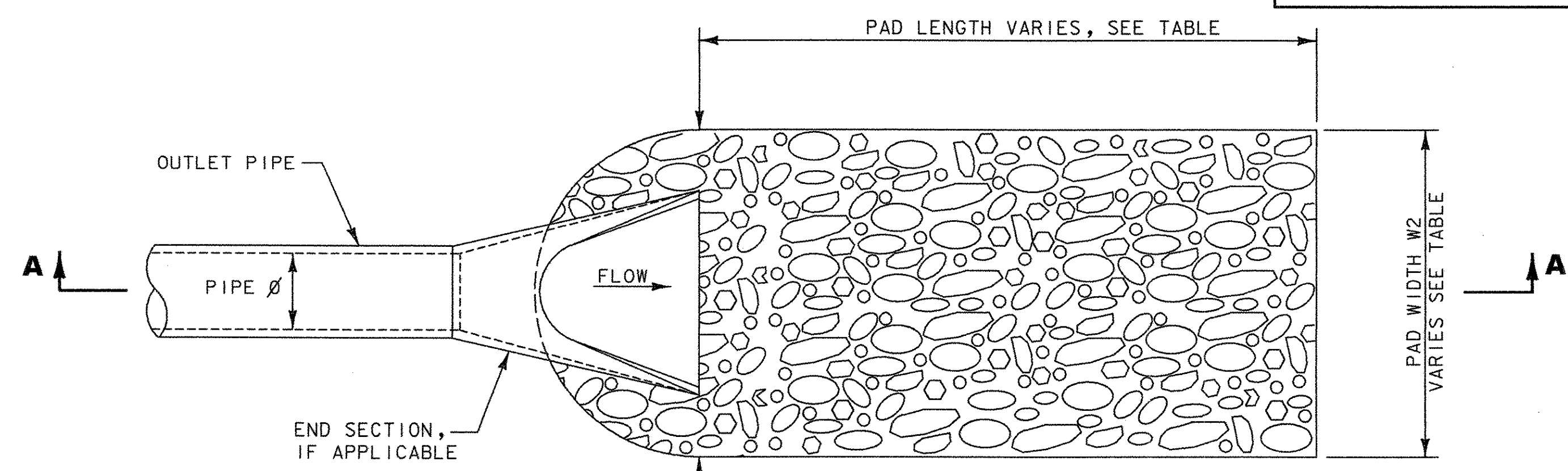


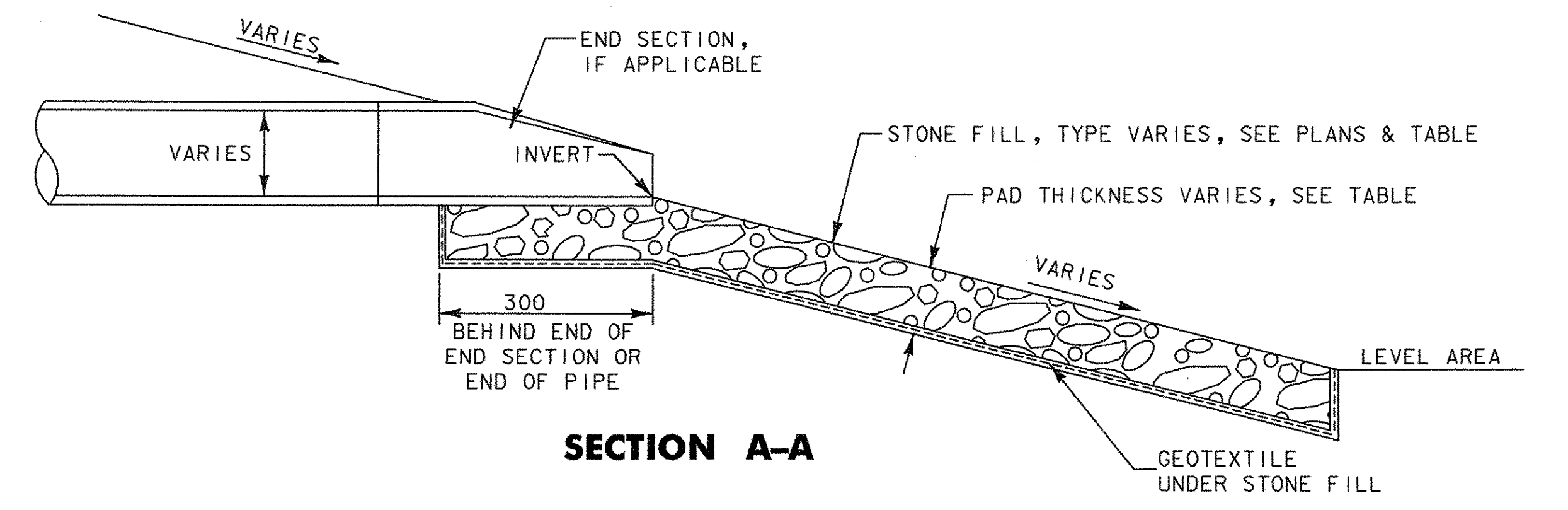
**ELEVATION**



**PLAN**

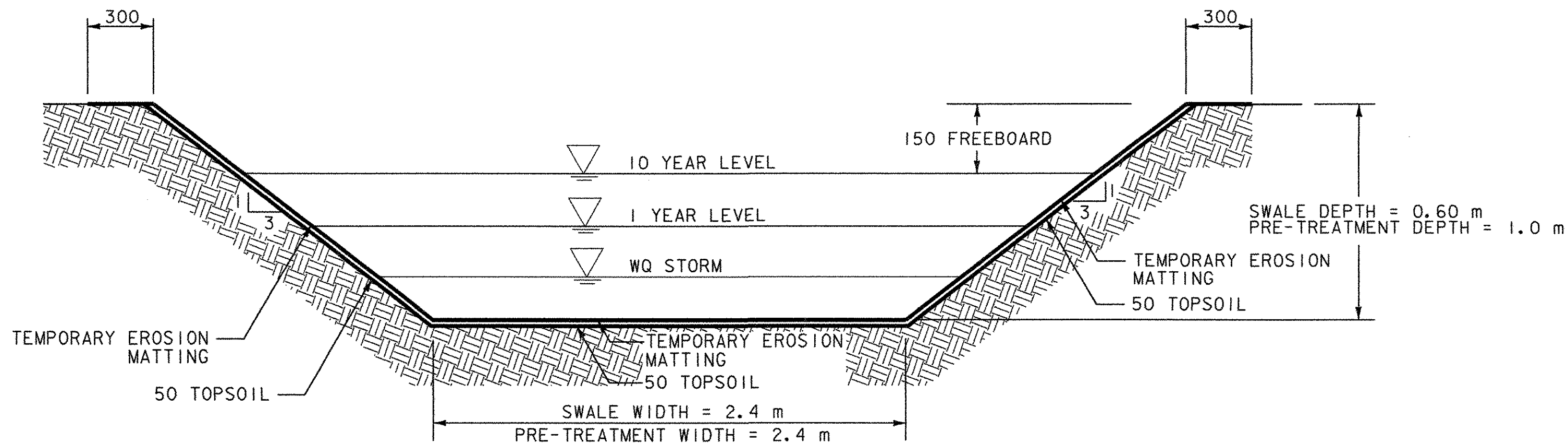


**PLAN**



**SECTION A-A**

DESIGN INFORMATION			
WQ <sub>v</sub> (cms)	V <sub>WQv</sub> (mps)	WQ <sub>v</sub> FLOW DEPTH (M)	10 YEAR FLOW DEPTH (M)
0.028	0.09	0.10	0.31



**SECTION A-A**

STONE OUTLET PROTECTION								
OUTLET PIPE NO.	PIPE SIZE (mm)	FLOW (cms)	VELOCITY (m/s)	STONE TYPE	PAD LENGTH (m)	PAD WIDTH W <sub>1</sub> (m)	PAD WIDTH W <sub>2</sub> (m)	PAD THICKNESS (mm)
SYSTEM 6								
608	750	0.33	1.08	I	3.2	1.5	2.0	300
611	600	0.34	1.82	I	3.3	4.3	4.3	300
646	600	0.39	2.93	II	4.6	6.2	6.2	600
661B	1050	0.83	1.34	I	4.2	2.1	2.1	300
SYSTEM 5								
500	900	1.19	2.98	II	6.2	1.8	3.4	600

- NOTES:
- FOR 634 & 638 THE ENTIRE PRETREATMENT AREA OF SWALE 6B WILL BE TYPE I STONE FOR DETAILS SEE STORMWATER MANAGEMENT DETAILS SHEET 3
  - PIPE 661B OUTLETS TO BRIDGE RIP-RAP
  - PAD LENGTH SPECIFIED IN THE TABLE IS A MINIMUM LENGTH. STONE PAD SHOULD EXTEND TO A LEVEL AREA.

**STONE OUTLET PROTECTION**  
NOT TO SCALE

**VEGETATED TREATMENT SWALE 6a**  
DRN 60+116 - DRN 61+193 N. T. S.

- NOTES:
- EARTHWORK FOR VEGETATED TREATMENT SWALES INCLUDING PRE-TREATMENT SHALL BE PAID FOR UNDER ITEM 203.15, COMMON EXCAVATION

**VERMONT AGENCY OF TRANSPORTATION**



PROJECT NAME: BENNINGTON  
 PROJECT NUMBER: AC NH 019-1(51)  
 FILE NAME: ...\\plot files\zd307c\swm-det2.ptf PLOT DATE: 2/2/2009  
 DESIGN SUPERVISOR: GREG EDWARDS DRAWN BY: STANTEC  
 DESIGNED BY: MARC FOISY CHECKED BY: GARY SANTY  
**STORMWATER MANAGEMENT DET. SWM-02** SHEET 86 OF 367

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