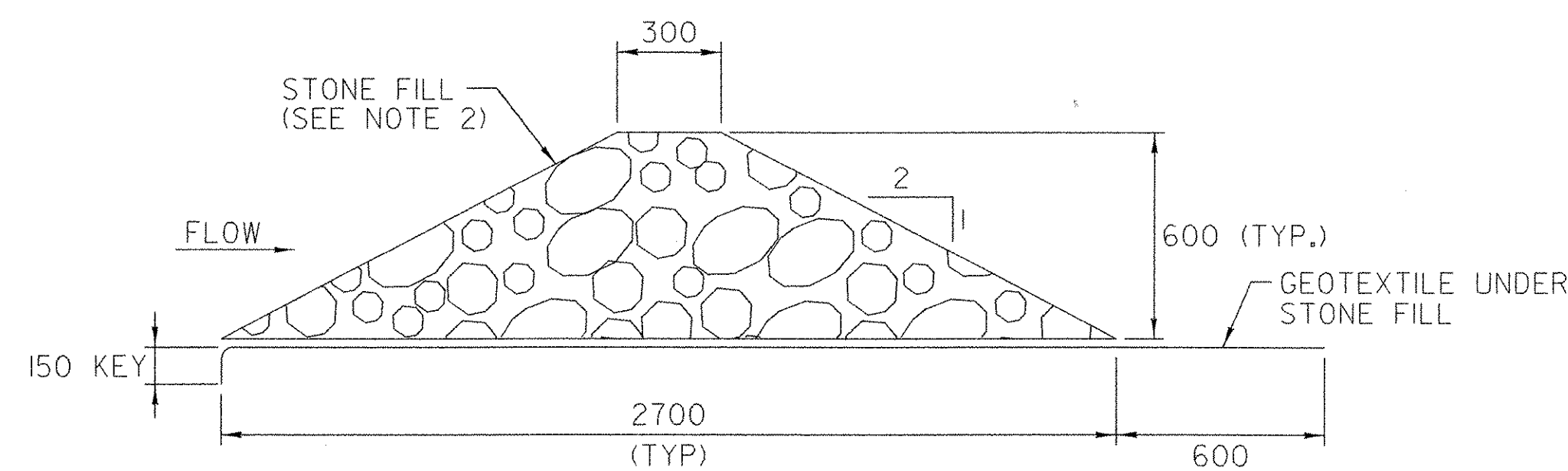
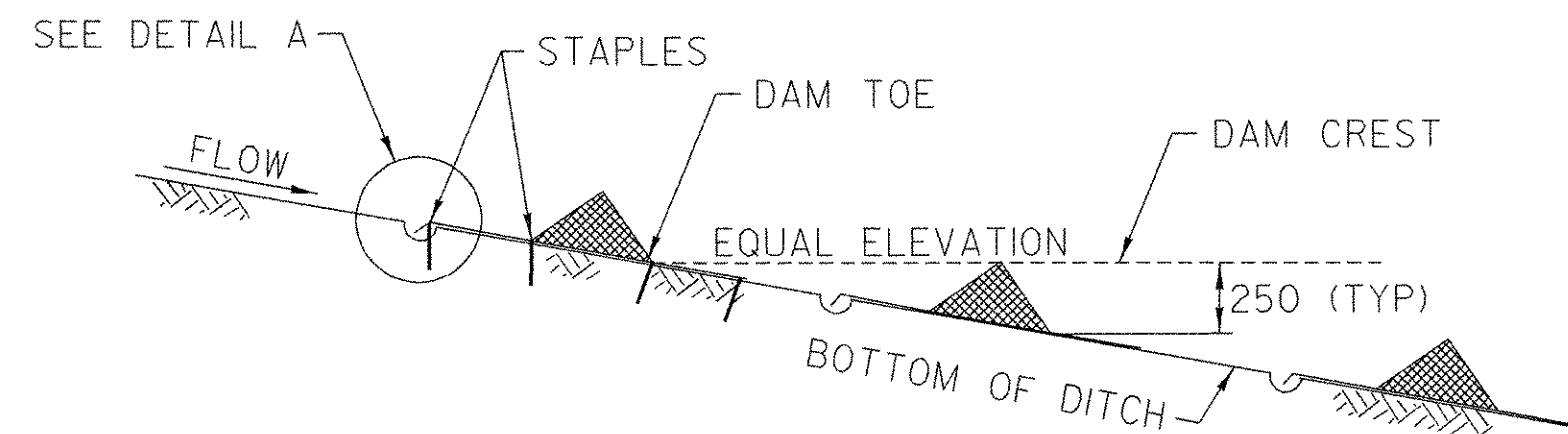


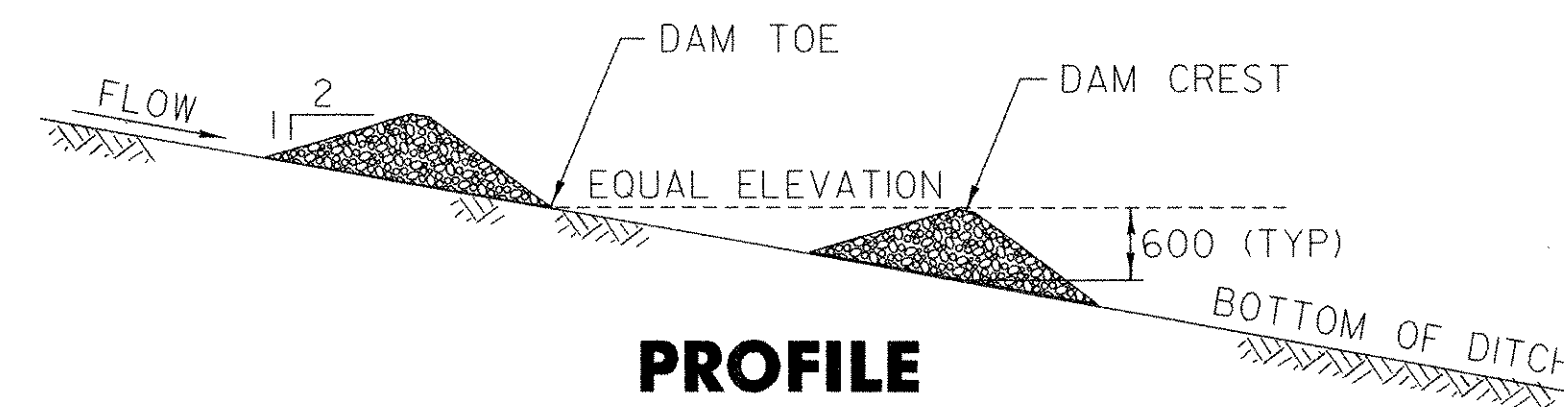
**DETAIL A**



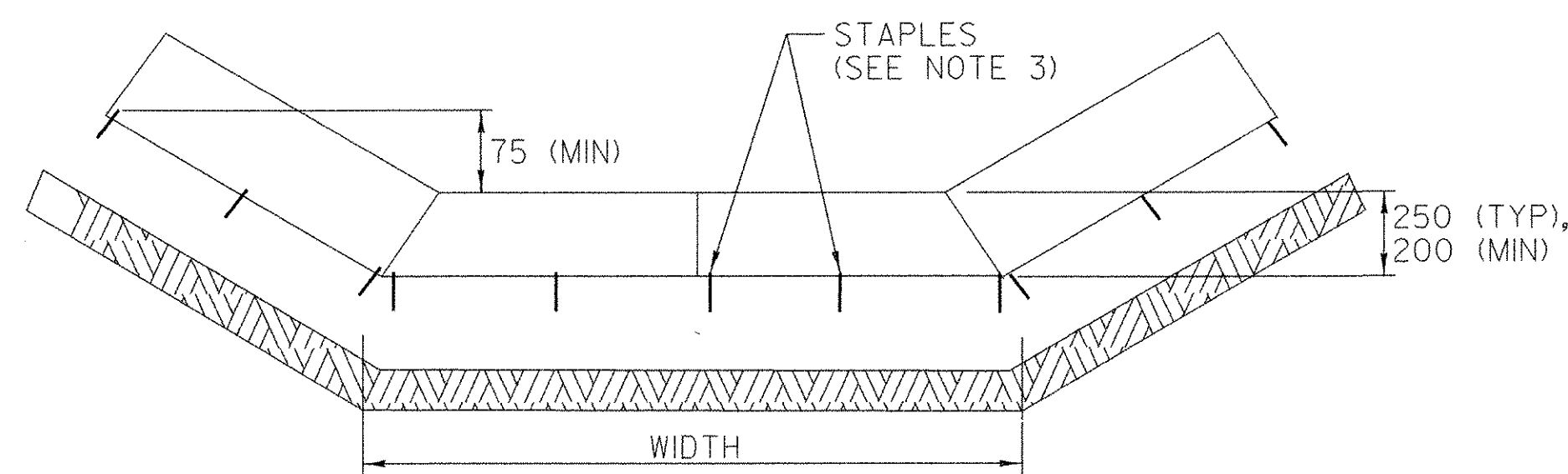
**CROSS SECTION**



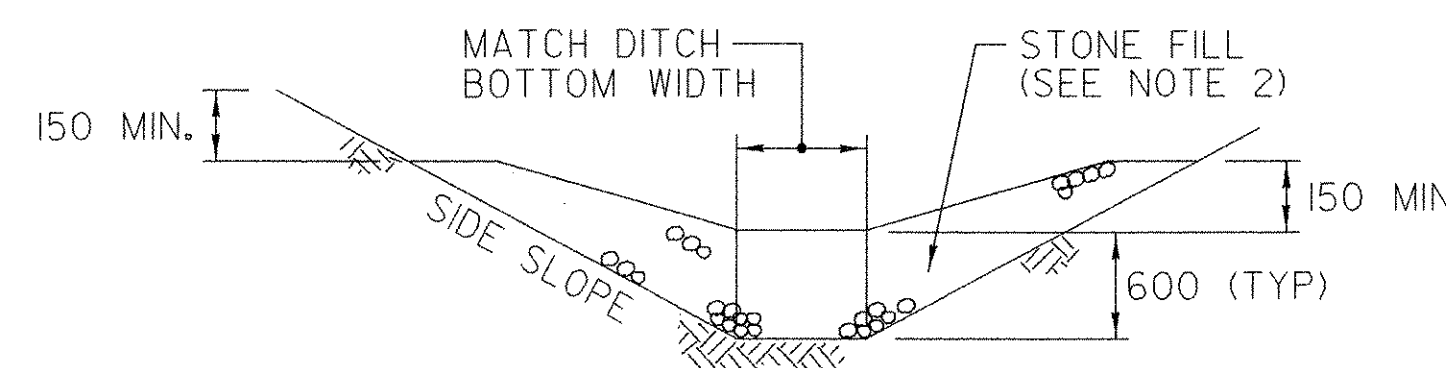
**PROFILE**



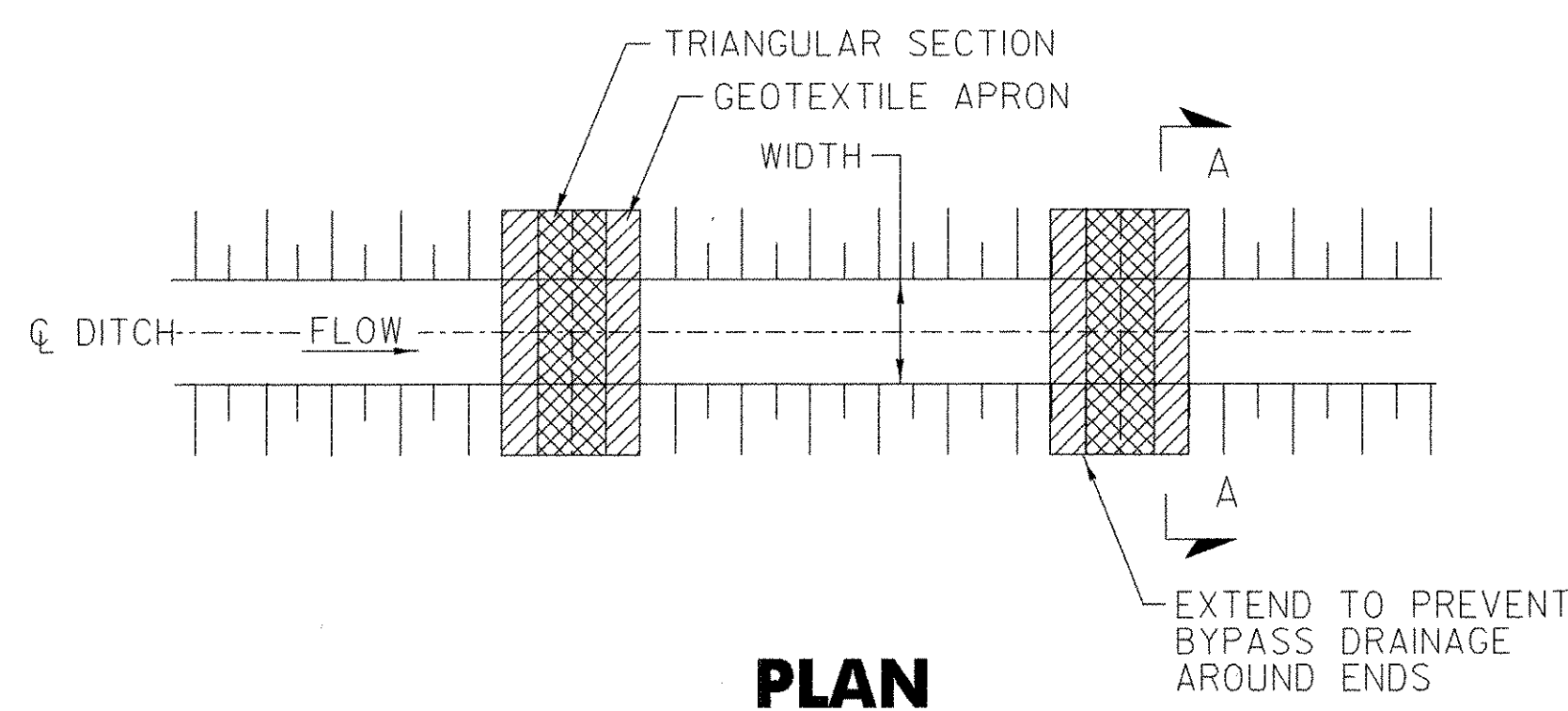
**PROFILE**



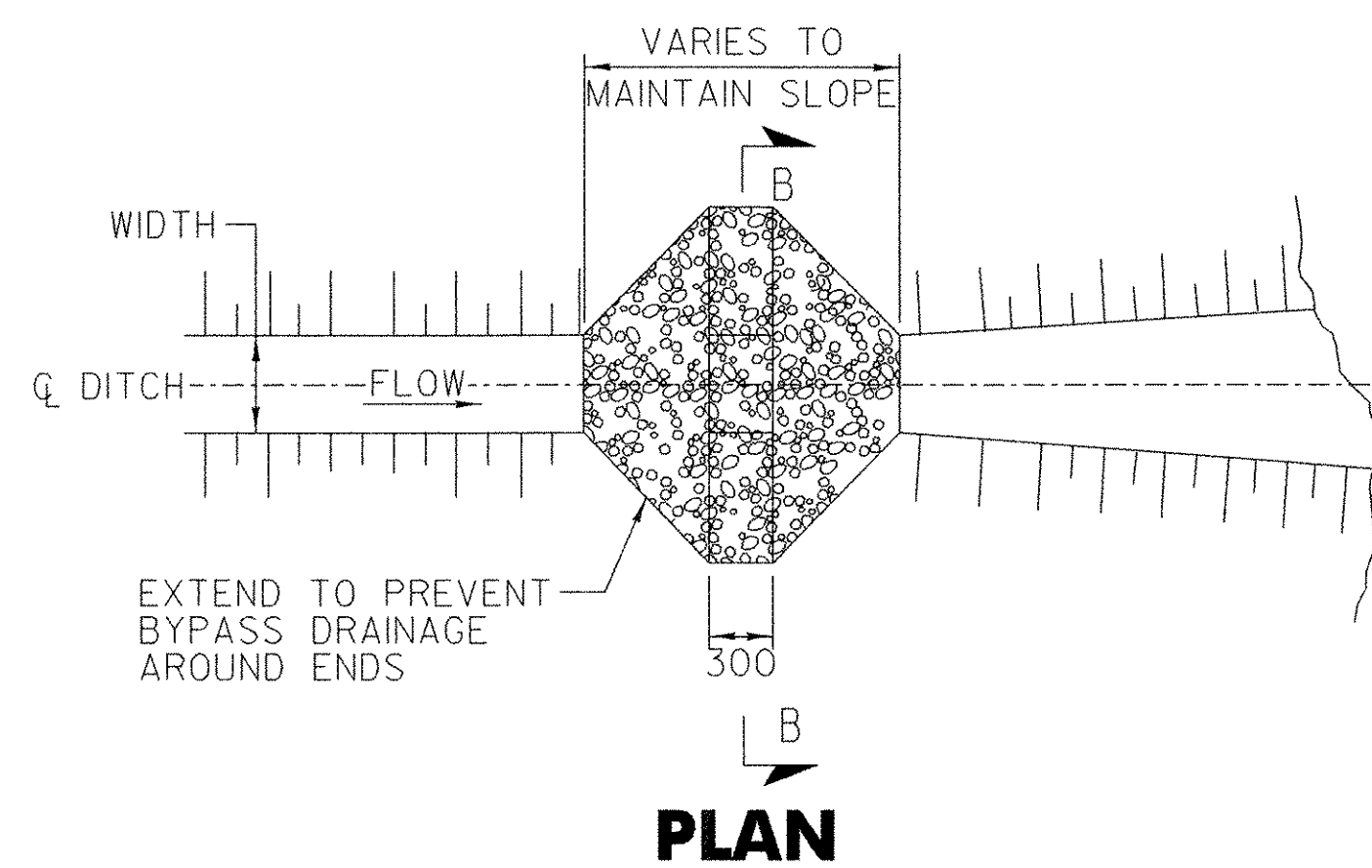
**SECTION A-A**



**SECTION B-B**



**PLAN**



**PLAN**

**APPLICATION NOTES:**

- A. THE PRIMARY PURPOSE OF A CHECK DAM IS TO REDUCE EROSION IN A CHANNEL BY REDUCING FLOW VELOCITY.
- B. CHECK DAMS WILL CAPTURE SEDIMENT THAT FALLS OUT OF SUSPENSION BEHIND THE CHECK DAM DUE TO DECREASED VELOCITY.
- C. CHECK DAMS ARE NOT INTENDED TO FILTER SEDIMENT FROM TURBID WATER.
- D. DETAILS SHOWN SHALL BE USED FOR TEMPORARY INSTALLATION ONLY.
- E. PREFABRICATED DAMS ARE NOT TO BE USED ON SLOPES GREATER THAN 5% OR PER MANUFACTURER'S SPECIFICATIONS.
- F. PREFABRICATED DAM SPECIFICATIONS SHALL BE PROVIDED TO THE ON-SITE PLAN COORDINATOR FOR APPROVAL PRIOR TO USE.

**GENERAL NOTES:**

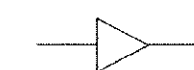
1. GEOTEXTILE SHALL BE INSTALLED UNDER STONE FILL. IT SHALL BE KEYED IN ON THE UPHILL END AND SHALL EXTEND 600 mm BEYOND THE STONE ON THE DOWNHILL END.
2. CORE MATERIAL FOR THE STONE CHECK DAM SHALL MEET THE REQUIREMENTS OF SECTION 704.17 PER THE VAOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006.
3. THE UPHILL END OF THE APRON FOR THE PREFABRICATED CHECK DAM SHALL BE STAPLED AND BURIED AS SHOWN IN DETAIL "A" OR AS RECOMMENDED BY THE MANUFACTURER'S SPECIFICATIONS.
4. MEASURES SHALL BE INSPECTED ON A DAILY BASIS AND AFTER EVERY STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.
5. MEASURES SHALL BE CLEANED AND REPAIRED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
6. AT TIME OF REMOVAL OF THE CHECK DAMS, THE DISTURBED AREA SHALL BE REPAIRED AND STABILIZED AS DIRECTED BY THE CONTRACTOR'S ON-SITE PLAN COORDINATOR.
7. PAYMENT FOR INSTALLATION AND REMOVAL OF CHECK DAMS SHALL BE MADE UNDER EITHER ITEM 653.25 TEMPORARY STONE CHECK DAM, TYPE 1 OR ITEM 653.30 PREFABRICATED CHECK DAM.
8. PAYMENT FOR MONITORING CHECK DAMS SHALL BE MADE UNDER ITEM 652.20 MONITORING EROSION PREVENTION & SEDIMENT CONTROL PLAN.
9. PAYMENT FOR MAINTAINING CHECK DAMS SHALL BE MADE UNDER ITEM 652.30 FIELD MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN UNLESS MAINTENANCE IS REQUIRED DUE TO POOR INSTALLATION PRACTICES.

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

**TEMPORARY STONE CHECK DAM - TYPE I**

N.T.S.

STANDARD SYMBOL



STONE CHECK DAM PLACEMENT INTERVAL	
DITCH SLOPE	PLACEMENT INTERVAL **
1%	60 m
2%	30 m
3%	20 m
4%	15 m
5%	12 m
6%	10 m
8%	7.5 m
10%	6 m

\*\*BASED ON 600 mm TYPICAL HEIGHT

**PREFABRICATED CHECK DAM**

N.T.S.

STANDARD SYMBOL



PREFABRICATED CHECK DAM PLACEMENT INTERVAL	
DITCH SLOPE	PLACEMENT INTERVAL **
1%	15 m
2%	12 m
3%	8 m
4%	6 m
5%	5 m

\*\*BASED ON 250 mm TYPICAL HEIGHT

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (1992)

**VERMONT AGENCY OF TRANSPORTATION**



PROJECT NAME: BENNINGTON  
PROJECT NUMBER: AC NH 019-(K53)

FILE NAME: ZD048CD03.DGN  
PROJECT LEADER: D.E.G.  
DESIGNED BY: D.W.E.

PLOT DATE: 5/18/2007  
DRAWN BY: C.A.K.  
CHECKED BY: D.E.G.  
SHEET 454 OF 577

**EROSION CONTROL DETAILS ECD-4**