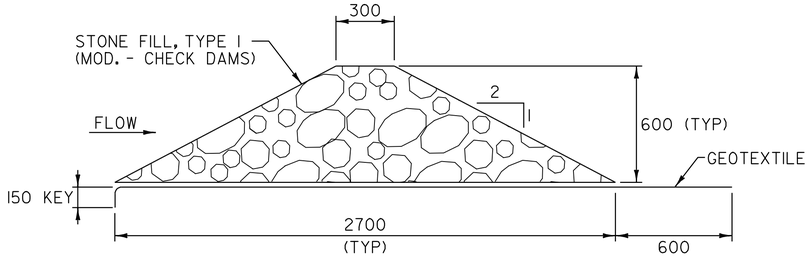
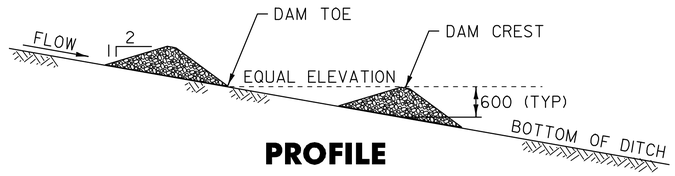
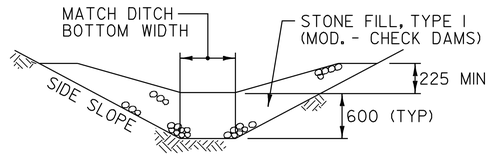


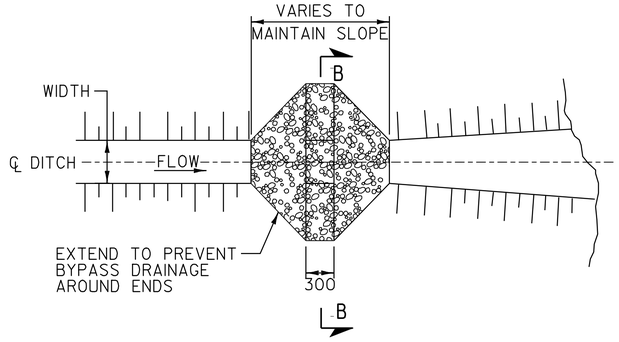
CROSS SECTION



PROFILE



SECTION B–B



PLAN

CHECK DAM – TEMPORARY (STONE)

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

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 GRADATION REQUIREMENTS OF STONE FILL TYPE I(MIN.) PER THE VAOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001. STONE SIZE SHOULD BE INCREASED WITH INCREASED SLOPE AND VELOCITY.

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 LITERATURE.

4. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE OR AS DIRECTED BY THE 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.

7. PAYMENT FOR INSTALLATION AND REMOVAL OF CHECK DAMS SHALL BE MADE UNDER ITEM 613.10 STONE FILL, TYPE I(MOD. - CHECK DAMS)

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.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

DATUM
VERTICAL N/A
HORIZONTAL NAD83 (1996)

TEMPORARY EROSION PREVENTION & SEDIMENT CONTROL DETAILS #3

SURVEYED BY L.R.S.C. DATE 4/03
DRAWN BY K.A.R. DATE 3/06
SQUAD LEADER D.E.G.
DESIGN FILE NO. /pave/95d104/pd104.dgn
IPARM FILE pd104tepscd3 DATE PLOTTED 30-AUG-2010 12:
PROJ. NAME NORTH BENNINGTON
PROJ. NO. STP 9646(I)S
SHEET 50 OF 151 SHEETS