



PLAN  
SCALE: 1:250

SHOWN PICTORALLY  
MAY NOT BE TO SCALE  
THESE AS-BUILT OR RECORD DRAWINGS  
HAVE BEEN PREPARED, IN PART, ON THE  
BASIS OF INFORMATION COMPILED AND  
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NOT BE RESPONSIBLE FOR ANY ERRORS OR  
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INTO THIS DOCUMENT AS A RESULT OF  
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# RECORD DRAWING

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NO.	DATE	REVISIONS	DSM	KAS
1	12/00	AS-BUILT INFORMATION ADDED	DSM	KAS



PROJECT NO. IM 091-1 (30)  
SOUTHEAST VERMONT WELCOME CENTER  
GUILFORD, VERMONT

SHEET TITLE: SLOPE FAILURE @ STA 0+584 -  
PROPOSED REHABILITATION

DSGN BY: KAS  
DRWN BY: DSM  
CHKD BY: KAS

STATE OF VERMONT  
AGENCY OF ADMINISTRATION  
DEPARTMENT OF  
BUILDINGS & GENERAL SERVICES

DATE: 7-22-99 SHEET NO. OF SHEETS



C49



**BASIS OF DESIGN**

DESIGN EXCEEDANCE	DESIGN FLOWS (CFS)	DEVELOPED
10% EXCEEDANCE	22	15
4% EXCEEDANCE	28	20
2% EXCEEDANCE	32	24
1% EXCEEDANCE	-	27

  

DESIGN EXCEEDANCE	MAX PIPE VELOCITIES (FPS)
10% EXCEEDANCE	40
4% EXCEEDANCE	43
2% EXCEEDANCE	44
1% EXCEEDANCE	46

  

DESIGN EXCEEDANCE	DISCHARGE VELOCITIES (FPS)
10% EXCEEDANCE	9
4% EXCEEDANCE	11
2% EXCEEDANCE	14
1% EXCEEDANCE	16

- NOTES:**
1. ALL PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) WITH SMOOTH WALL INTERIOR AND CORRUGATED EXTERIOR.
  2. ALL PIPE JOINTS SHALL BE WATERTIGHT IN ACCORDANCE W/ASTM D3212, SURE-LOK WT BY HANCOR OR APPROVED EQUAL.
  3. PIPE CONFIGURATION SHOWN IS SCHEMATIC. CONTRACTOR MAY PROPOSE HORIZONTAL AND VERTICAL REALIGNMENTS TO THE ENGINEER.
  4. GEOTEXTILE UNDER STONE FILL/RIP RAP SHALL CONFORM TO VDOT SPECIFICATION 720 FOR MATERIAL UNDER STONE FILL (MODIFIED FOR ANGULAR AGGREGATE).

- APPROXIMATE QUANTITIES (NOT INCLUDING ACCESS TO SITE):**
- PIPE**
- 150 mm HDPE: 3-m, 4.8 m
  - 300 mm HDPE: 59-m, 39.6 m
  - 450 mm HDPE: 9-m, 6.1 m
- EXCAVATION AND BACKFILL**
- CUT:**
- 842-m<sup>3</sup>
  - 530-m<sup>3</sup>
  - 129-m<sup>3</sup> 330 m<sup>3</sup>
  - 216-m<sup>3</sup> 806 m<sup>3</sup>
  - 203-m<sup>3</sup> 151 m<sup>3</sup>
- PRECAST CONCRETE STRUCTURE:**
- 1-EACH 1 EACH
  - 129-m<sup>2</sup> 136 m<sup>2</sup>
- DEER FENCE**
- 11-m
  - 75-m
- RESET:**
- 11-m
  - 75-m