**STATE OF VERMONT**
**AGENCY OF TRANSPORTATION**

# DRAINAGE DETAIL SHEET

| LAYOUT CODE # | STATION | STATION | POS. | ASKEW | INLET/OUTLET TYPE | | DITCH | | PIPE ARCH | | | PIPE | | ALLOWABLE OPTIONS | | | | | | PIPE ELBOW | ES | DMH | CB | DI | PROCD | DEPTH DI / DMH | CONC CLASS D | REINF STEEL | GRATE | CHAN ELEV | CRM | TRENCH EXCAVATION | | COMM EXC | UNC CHAN EXC | STRUCT EXCAV | GRAN BKFILL STRUCT | GRAN BORR | EROS MATT | STONE FILL | | MARKER POSTS | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | NO. DEG. | INLET | OUTLET | IN | OUT | SPAN IN | RISE IN | L FT | D IN | L FT | PCCSP TH | CAAP TH | RCP CL | CSP TH | CPEP SL | PCCSP PI TH | NO. DEG. | EA | EA | EA | EA | | FT | CY | LBS | TYPE | EA | CY | EARTH CY | ROCK CY | CY | CY | CY | CY | CY | SY | CY | TYPE | LT EA | RT EA | |
| VT 116 AT SILVER STREET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2+15 | 2+13 | RT | | DI | MH | | | | | | 18 | 5 | | | | | X | | | | | 1 | | 6 | | | A | | | 8.6 | | | | | | | | | | | 1 | CONNECT TO EXISTING STRUCTURE |
| 2 | 2+13 | | RT | | MH | | | | | | | | | | | | | | | | | | | | | | | MH | | | | | | | | | | | | | 1 | REMOVE DI GRATE AND FRAME / NEW MH COVER AND FRAME |
| 3 | 3+71 | 3+54 | RT | | DI | MH | | | | | | 18 | 18 | | | | | X | | | | | 1 | | 4 | | | D | | | 16.7 | | | | | | | | | | | 1 | REMOVE EXISTING PRIVATE DI / REMOVE EXISTING 6" PVC |
| 4 | 3+54 | | RT | | MH | | | | | | | | | | | | | | | | | | | | | | | MH | | | | | | | | | | | | | 1 | REMOVE DI GRATE AND FRAME / NEW MH COVER & FRAME |
| 5 | 4+88 | 4+13 | LT | | DI | DI | | | | | | 18 | 72 | | | | | X | | | | | 1 | | 6 | | | D | | | 54.4 | | | | | | | | | | | | |
| 6 | 4+05 | 4+13 | LT | | DI | DI | | | | | | 18 | 14 | | | | | X | | | | | 1 | | 4 | | | A | | | 13.6 | | | | | | | | | | | 1 | |
| 7 | 4+13 | | LT | | DI | | | | | | | | | | | | | | | | | | 1 | | 6 | | | D | | | | 10.2 | | | | | | | | | | | REMOVE EXIST. CB / CONNECT TO EXISTING 15" RCP |
| 8 | 3+00 | 105+25 | LT | | DI | DI | | | | | | 18 | 56 | | | | | X | | | | | 1 | | 6 | | | D | | | 46.1 | | | | | | | | | | | | |
| 9 | 105+10 | 105+25 | LT | | DI | DI | | | | | | 18 | 16 | | | | | X | | | | | 1 | | 4 | | | A | | | 13.8 | | | | | | | | | | | 1 | |
| 10 | 105+25 | 105+25 | LT-RT | | DI | ES | | | | | | 18 | 75 | | | | | X | | | 1 | | 1 | | 6 | | | D | | | 48.9 | | | | | | | | 0.74 | II | | 1 | 2 X 5 X 2 STONE FILL PAD |
| 11 | 103+00 | | LT | | DI | | | | | | | | | | | | | | | | | | 1 | | 7 | | | A | | | 14.6 | | | | | | | | | | 1 | | CONNECT TO EXISTING PIPE |
| R1 | 5+03 | 5+53 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26.4 | 3.7 | | | | | | | | | | REMOVE 47 LF 12" RCP / REMOVE DI |
| R2 | 4+14 | 5+03 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59.2 | 10.7 | | | | | | | | | | REMOVE 83 LF 12" RCP / REMOVE DI |
| **DRAINAGE DETAIL SHEET SUBTOTAL:** | | | | | | | | | | | | 18 | 256 | | | | | X | | | 1 | | 9 | | | | | 5<br>4<br>2 | | | 302.3 | 24.6 | | | | | | | 0.74 | II | 3 | 5 | TYPE D GRATES<br>TYPE A GRATES<br>MANHOLE COVERS |

PROJECT NAME: **HINESBURG**
PROJECT NUMBER **HES 021-1(20)**

FILE NAME: 04B206_dds.xls
PROJECT LEADER: G. BAKOS
DESIGNED BY: D. PECK
DRAINAGE DETAIL SHEET

PLOT DATE: 2/18/2009
DRAWN BY: D. PECK
CHECKED BY:
SHEET 9 OF 25

VHB Vanasse Hangen Brustlin, Inc.