STATE OF VERMONT
AGENCY OF TRANSPORTATION

# DRAINAGE DETAIL SHEET

| KEY | STATION | STATION | POS. | ASKEW | INLET/OUTLET TYPE | | DITCH | | PIPE ARCH | | | PIPE | | ALLOWABLE OPTIONS | | | | | | PIPE ELBOW | ES | CB | PROCEED | DEPTH DI | HPC CLASS B | REINF STEEL | DI 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 GL | CSP TH | CPEP GL | PCCSP PI TH | NO. DEG | EA. | EA. | | FT | CY | LBS | TYPE | EA. | CY | EARTH CY | ROCK CY | CY | CY | CY | CY | CY | SY | CY | TYPE | LT EA. | RT EA. | |
| 1 | 10+93 | 11+16 | LT/LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | REMOVE EXISTING PIPE AND DI |
| 2 | 10+90 | 11+00 | LT/RT | | DI | DI | | | | | | 18 | ~~74~~ 76 | 0.064 | 0.060 | USED CPEP | | X | | | | | | 3'-0" | 1.7 | 150 | D | | | 37 | | | | | 36 | | | | | | | NEW 4' X 4' DI AT INLET |
| 3 | 11+00 | 10+93 | RT/RT | | DI | DITCH | | | | | | 18 | 36 | | | | | X | | | | | | 8'-0" | 3.9 | 347 | | | | 13 | | | | | 8 | | | 4 | I | | X | NEW 4' X 4' DI WITH PRECAST COVER AND CAST IRON COVER WITH FRAME AND STONE FILL, TYPE I AT OUTLET |
| 4 | 12+00 | 13+75 | LT/LT | | DITCH | DITCH | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | | | | | 425 | | | | | CONSTRUCT SPECIAL DITCH WITH EROSION MATTING |
| 5 | 14+22 | 15+27 | RT/RT | | DI | DITCH | | | | | | 18 | ~~96~~ 100 | 0.064 | 0.060 | | | X | | | | | 8' | ~~6'-6"~~ | 3.5 | 288 | D | | | 14 | | | | | 34 | | | | | | X | NEW 4' X 4' DI AT INLET |
| 6 | 15+27 | 16+26 | RT/RT | | DI | DI | | | | | | 18 | 92 | 0.064 | 0.060 | | | X | | | | | | 3'-0" | 2.0 | 173 | D | | | 5 | | | | | 9 | | | | | | | NEW 4' X 4' DI AT INLET |
| 7 | 15+01 | 15+63 | LT/LT | | DITCH | DITCH | | | | | | 18 | ~~68~~ 70 | | | | | X | | | | | | | | | | | | 58 | | | | | 19 | | | 5 | I | | X | STONE FILL, TYPE I AT INLET AND OUTLET |
| 8 | 15+63 | 15+90 | LT/LT | | DITCH | DITCH | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 40 | | | | | CONSTRUCT SPECIAL DITCH WITH EROSION MATTING |
| 9 | 15+88 | 16+20 | LT/LT | | DITCH | DITCH | | | | | | 18 | 36 | | | | | X | | | | | | | | | | | | 9 | | | | | 6 | | | 1 | I | | | STONE FILL, TYPE I AT OUTLET |
| 10 | 16+20 | 18+50 | LT/LT | | DITCH | DITCH | | | | | | | | | | | | | | | | | | | | | | | | 57 | | | | | | | 200 | | | | | CONSTRUCT SPECIAL DITCH WITH EROSION MATTING |
| 11 | 15+90 | 16+13 | LT/LT | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | REMOVE EXISTING PIPE |
| 12 | DRIVE 3 1+75 | DRIVE 3 2+25 | RT/RT | | DITCH | DITCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CONSTRUCT SPECIAL DITCH |
| 12 | DRIVE 4 4+50 | DRIVE 3 2+25 | LT/RT | | DITCH | DITCH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CONSTRUCT SPECIAL DITCH |
| | SUBTOTALS | | | | | | | | | | | 18 | 262 | 0.064 | 0.060 | | | X | | | | | | 11.1 | 958 | 3-D | | | | 217 | 2 | | | | 112 | | 665 | 10 | | 1 | 2 | |
| | | | | | | | | | | | | 18 | 140 | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| | ROUNDING TOTALS | | | | | | | | | | | | | | | | | | | | | | | 0.9 12 CY | 2 960# | 3 EA | | | | 3 220 CY | 8 10 CY | | | | 8 120 CY | | 5 670 SY | 0 10 CY | | 3 | EA | |

PROJECT NAME: **READING**
PROJECT NUMBER: **BRS 0148(6)S**

FILE NAME: **PW/85e034/Structures/s85e034dr.xls** PLOT DATE: **1/30/2006**
PROJECT MANAGER: **R. WHITCOMB** DRAWN BY: **L. BULLOCK**
DESIGNED BY: **C. CARLSON** CHECKED BY: **C. CARLSON**
**DRAINAGE DETAIL SHEET #1** SHEET **20** OF **83**