# ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

## DRAINAGE STRUCTURES

| STA. | STA. | POSITION | ASKEW | TYPE IN/OUT | DITCH IN | DITCH OUT | PIPE ARCH S (IN) | PIPE ARCH R (IN) | PIPE ARCH L (FT) | PIPE D (IN) | PIPE L (FT) | ALLOWABLE OPTIONS PCCSP (TH) | CAAP (TH) | RCP (CL) | CSP (TH) | CPEP | PCCSP PI (TH) | PIPE ELBOW (NO-DIA) | ES (EA) | CB | PRCCP | DEPTH DI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12+83 | | CL | | ES/SF | | | | | | 18 | 84 | | | III | | SL | | | 1 | | | |
| 12+83 | 18+40 | RT | | | | | | | | | | | | | | | | | | | | |
| 18+40 | 51+00 CH | RT | | ES/- | | | | | | 18 | 152 | | | | | SL | | | 1 | | | |
| 18+40 | 52+50 CH | RT | | | | | | | | | | | | | | | | | | | | |
| 21+14 | | RT | | | | | | | | | | | | | | | | | | | | |
| 25+12 | 26+46 | LT | | | | | | | | | | | | | | | | | | | | |
| 25+80 | | CL | | ES/SF | | | | | | 18 | 68 | .064 | .060 | | | SL | | | 1 | | | |
| TOTALS | | | | | | | | | | 18<br>18<br>18 | 84<br>152<br>68 | .064 | .060 | III | | SL<br>SL<br>SL | | | 1<br>1<br>1 | | | |

| STA. | STA. | CONC CL B (CY) | REIN STEEL (LBS) | DI GRATE (TYPE) | CHAN ELEV | CRM (CY) | TR EXCAV EARTH (CY) | TR EXCAV ROCK (CY) | COMM EXC (CY) | UNC CHAN EXC (CY) | STRUC EXCAV (CY) | GRAN BKF STRUC (CY) | GRAN BORR (CY) | EROS MATT (SY) | STONE FILL (CY) | STONE FILL TYPE | MRKR POSTS LT | MRKR POSTS RT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12+83 | | | | | | | 30 | | | | | 11 | | | 2 | II | 1 | 1 |
| 12+83 | 18+40 | | | | | | | | | | | | | 498 | | | | |
| 18+40 | 51+00 CH | | | | | | 111 | | | | | 20 | | | | | | 1 |
| 18+40 | 52+50 CH | | | | | | | | | | | | | 231 | | | | |
| 21+14 | | | | | | | | | | | | | | | 2 | II | | |
| 25+12 | 26+46 | | | | | | 132 | | | | | | | 119 | | | | |
| 25+80 | | | | | | | 49 | | | | | 11 | | | 2 | II | 1 | 1 |
| TOTALS | | | | | | | 322 | | | | | 42 | | 848 | 6 | II | 2 | 3 |

| STA. | STA. | POSITION | GUARDRAIL ITEMS – | 621.20 | 621.52 | 621.60 | 621.70 | 621.74 | 621.80 | 621.81 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12+83 | | CL | | | | | | | | 2 | NEW ES @ INLET, STONE FILL, TYPE II @ INLET AND OUTLET |
| 12+83 | 18+40 | RT | | | | | | | | | CONSTRUCT SPECIAL DITCH TO INLET @ 12+83 |
| 18+40 | 51+00 CH | RT | | | | | | | | | NEW ES @ INLET |
| 18+40 | 52+50 CH | RT | | | | | | | | | |
| 21+14 | | RT | | | | | | | | | CONSTRUCT 4'X6' PAD, STONE FILL TYPE II |
| 25+12 | 26+46 | LT | | | | | | | | | CONSTRUCT SPECIAL DITCH TO INLET @ 25+80 |
| 25+80 | | CL | | | | | | | | 2 | NEW ES @ INLET, STONE FILL TYPE II @ OUTLET |

## GUARDRAIL ITEMS

| STA. | STA. | POSITION | – | 621.20 | 621.52 | 621.60 | 621.70 | 621.74 | 621.80 | 621.81 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16+15.5 | 16+53 | LT | | | 1 | | | | | | |
| 16+53 | 18+65.5 | LT | | 212.5 | | | | | | | |
| 17+00 | 17+37.5 | RT | | | 1 | | | | | | |
| 17+37.5 | 18+00 | RT | | 62.5 | | | | | | | |
| 18+00 | 18+37.5 | RT | | | 1 | | | | | | |
| 18+65.5 | 19+15.5 | LT | | | | | 1 | | | | |
| 0+40.5,TH35 | 19+05 | RT | | 37.5 | | 1 | | | | | ANCHOR @ 0+32 LT, TH 35 |
| 19+05 | 19+55 | RT | | | | | 1 | | | | |
| 19+86 | 20+06 | RT | | | | | | | 20 | | |
| 20+51.5 | 21+01.5 | LT | | | | | 1 | | | | |
| 21+01.5 | 23+89 | LT | | 287.5 | | | | | | | |
| 21+13.5 | 21+63.5 | RT | | | | | 1 | | | | |
| 21+20 | 24+00 | RT | | | | | | | 290 | | |
| 21+40 | 21+71 | RT | | | | | | | 31 | | |
| 21+63.5 | 23+26 | RT | | 162.5 | | | | | | | |
| 23+26 | 23+63.5 | RT | | | 1 | | | | | | |
| 23+89 | 24+26.5 | LT | | | 1 | | | | | | |
| CHANNEL | LINE: | | | | | | | | | | |
| 51+56 | 51+78 | RT | | | | | | | 26 | | |
| TOTALS | | | | 762.5 | 5 | 1 | 4 | | 367 | 4 | |

## UNDERDRAIN

| STA. | STA. | POSITION | TYPE | D | L | TR EXCAV EARTH | TR EXCAV ROCK | GRAN BKF | FB | | MKR PST |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED | | --- | U | 6 | 100 | 37 | 10 | --- | 1 | | 2 |
| | | | C | 6 | 100 | 19 | --- | --- | | | |
| TOTALS | | | U | 6 | 100 | 56 | 10 | --- | 1 | | 2 |
| | | | C | 6 | 100 | | | | | | |

PROJECT NAME BRAINTREE
PROJECT NUMBER BRS 0187(6)



90282QTY.DWG (1=1)