# 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 | PVC CL | GATE VALVE EA | PIPE ELBOW NO-DEG | ES EA | CB | PROJECT | DEPTH DI | 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 CMAN 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 | RELAY PIPE LF | CONC RMVL CY | EXC RNTL HR | TRK RNTL HR | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BRIDPORT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 295+70 | 300+86 | RT | | | | | | | | | | | | | | | | | | | | | | | | | 382 | | | | | | | | 195 | I | | | | | | | CONSTRUCT SPECIAL DITCH W/STONE FILL TYPE I |
| 298+50 | | LT | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 15" ACCGMP ~ RETAIN |
| 299+60 | | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 15" ACCGMP ~ RETAIN |
| 301+02 | | RT | | ES/ | X | X | 42 | 29 | 44 | | | | | | .079 | | | | 1 | | | | | | | | 9 | | | | | 9 | | | | | | | | | | | EXIST. 18'' CGMP ~ REMOVE, NEW 42" X 29" CSPA W/CSPAES |
| 301+15 | | RT | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | EXIST. 6'' UNDERDRAIN ~ REMOVE, SHORTEN & RELAY |
| 301+25 | 302+78 | RT | | | | | | | | | | | | | | | | | | | | | | | | | 305 | | | | | | | | 61 | I | | | | | | | CONSTRUCT SPECIAL DITCH W/STONE FILL TYPE I |
| 302+11 | 302+24 | RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 4" PLASTIC UNDERDRAIN ~ REMOVE & RELAY |
| 302+93 | | RT | | ES/ | X | X | 42 | 29 | 42 | | | | | | .079 | | | | 1 | | | | | | | | 9 | | | | | 9 | | | | | | | | | | | EXIST. 24'' CGMP ~ REMOVE, NEW 42" X 29" CSPA W/CSPAES |
| 303+15 | 306+90 | RT | | | | | | | | | | | | | | | | | | | | | | | | | 468 | | | | | | | | 209 | I | | | | | | | CONSTRUCT SPECIAL DITCH W/STONE FILL TYPE I |
| 304+05 | | LT | | | X | X | | | | 18 | 14 | | | | .064 | | | | | | | | | | | | 6 | | | | | 6 | | | | | | | 30 | | | | | EXIST. 18" CGMP ~ REMOVE, RELAY & EXTEND W/14' CSP |
| 306+70 | 308+00 | LT | | | | | | | | | | | | | | | | | | | | | | | | | 45 | | | | | | | | 39 | I | | | | | | | CONSTRUCT SPECIAL DITCH W/ STONE FILL, TYPE I |
| 306+77 | | CL | 77-45 RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 15'' CGMPP ~ RETAIN |
| 308+00 | 312+25 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 189 | | | | | | | | CONSTRUCT SPECIAL DITCH (COM. EXC.) W/EROS. MATT. |
| 315+40 | | RT | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 12'' CGMP ~ RETAIN |
| 317+18 | | CL | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | EXIST. 18'' CGMP ~ RETAIN (INLET ONT FOUND) |
| 320+02 | | CL | 85-05 LT | | X | X | | | | 24 | 80 | .064 | .060 | III | | | | | | | | | | | | | 11 | | | | | 142 | 23 | | | 11 | II | 1 | 1 | | | | | EXIST. 72'' CATTLE PASS ~ REMOVE, NEW 24" PIPE W/ TYPE II STONE FILL PADS @ EACH END |
| 320+02 | | LT | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | 34 | | | | RELAY 34' OF 24" CSP FROM DETOUR AT 11+20 ~ 11+48 |
| 322+47 | | RT | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 12'' CMP ~ RETAIN |
| 324+86 | | LT | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 24'' ACCGMP ~ RETAIN |
| ADDISON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T. H. 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11+10 | | CL | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST. 15" CMP ~ RETAIN |
| T. H. 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10+85 | | RT | | | X | X | | | | 15 | 36 | | | | .064 | | | | | | | | | | | | 5 | | | | | 5 | | | | | | | | | | | NEW 15" CSP DRIVE |
| 333+70 | 335+16 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 65 | | | | | | | | SPECIAL DITCH (COM. EXC.) W/EROS. MATT. |
| 335+50 | | LT | | | X | X | 17 | 13 | 50 | | | | | | .064 | | | | | | | | | | | | 7 | | | | | 7 | | | | | | | | | | | NEW 17" X 13" CSPA DRIVE, LAY PIPE IN DITCH |
| 335+76 | 336+25 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | SPECIAL DITCH (COM. EXC.) W/EROS. MATT. |
| 341+00 | 341+46 | RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | | | | | | | SPECIAL DITCH (COM. EXC.) W/EROS. MATT. |
| 341+65 | | RT | | | X | X | 21 | 15 | 52 | | | | | | .064 | | | | | | | | | | | | 6 | | | | | 6 | | | | | | | | | | | NEW 21" X 15" CSPA DRIVE, LAY PIPE IN DITCH |
| SHEET | TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | 1261 | | | | | 142 | 65 | | 297 | 504 | I | 2 | 3 | 64 | | | | |
| | | | | | | | | | | 15 | 36 | | | | .064 | | | | | | | | | | | | | | | | | | | | | 11 | II | | | | | | | |
| | | | | | | | | | | 18 | 14 | | | | .064 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 24 | 80 | .064 | .060 | III | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTALS | | | | | | | 17 | 13 | 50 | | | | | | .064 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 21 | 15 | 52 | | | | | | .064 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHEET 7 OF 13 | | | | | | | 42 | 29 | 86 | | | | | | .079 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |

### REMOVAL AND DISPOSAL OF GUIDE POSTS

| STA. | STA. | LT. | RT. | END TREATMENT |
|---|---|---|---|---|
| SHOREHAM | | | | |
| 8+30 | 8+93 | 9 | | |
| 28+47 | 30+47 | 28 | | |
| 130+00 | | | 1 | (PROJ MARKER) |
| BRIDPORT | | | | |
| 173+41 | 175+57 | 28 | | |
| 259+22 | 259+60 | | 6 | |
| ADDISON | | | | |
| 361+00 | | | 3 | |
| 376+00 | 376+24 | | 2 | |
| 376+04 | 376+34 | 2 | | |
| 380+13 | 380+66 | | 3 | |
| 457+00 | | | 1 | (PROJ MARKER) |
| ROUNDING | | | 7 | |
| SUB TOTAL | | 67 | 23 | |
| TOTALS | | 90 | | |

### UNDERDRAIN

| STA. | STA. | TYPE | POS. | D | L | TRENCH E | TRENCH R | GRAN BKF | FB | MKR PST |
|---|---|---|---|---|---|---|---|---|---|---|
| TOTALS | | | | | | | | | | |

PROJECT NAME SHOREHAM-BRIDPORT-ADDISON
PROJECT NUMBER F 017-1(2)