STATE OF VERMONT
AGENCY OF TRANSPORTATION

# DRAINAGE DETAIL SHEET

Not Metric

| STATION km + m | STATION km + m | POS. | ASKEW no. deg. | INLET/OUTLET TYPE INLET | INLET/OUTLET TYPE OUTLET | DITCH IN | DITCH OUT | PIPE ARCH SPAN mm | PIPE ARCH RISE mm | PIPE ARCH L m | PIPE D mm | PIPE L m | ALLOWABLE OPTIONS PCCSP mm | CAAP mm | RCP CL | CSP mm | CPEP SL mm | PCCSP PI mm | PIPE ELBOW no. deg. | ES ea | CB ea | PRCCDI | DEPTH DI mm | CONC CLASS B m³ | REINF STEEL kg | DI GRATE type | CHAN ELEV ea | CRM m³ | TRENCH EXCAVATION EARTH m³ | TRENCH EXCAVATION ROCK m³ | COMM EXC m³ | UNC CHAN EXC m³ | STRUCT EXCAV m³ | GRAN BKFILL STRUCT m³ | GRAN BORR m³ | EROS MATT m² | STONE FILL m³ | STONE FILL type | MARKER POSTS LT ea | MARKER POSTS RT ea | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (FRANKLIN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4+410.728 | 4+426.844 | RT | | | | | | | | | 450 | 15 | | | | 1.63 | | | | | | | | | | | | | 16 | | | | | 7 | | | | | | | | | |
| 4+492 | | CL | - | MES | | | | | | | 600 | 19 | 1.63 | 1.52 | | | X | | | 1 | | | | | | | | | 41 | | | | | 10 | | | 2 | II | 1 | 1 | | | REMOVE EXISTING 300mm CGMP |
| 4+840 | 4+879.624 | RT | | DI | | | | | | | 450 | 40 | 1.63 | 1.52 | | | X | | | | | | 1500 | 1.87 | 103 | A | | | 100 | | | | | 17 | | | 3 | II | | | | | 1.2m x 1.2m DI |
| 4+881.910 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | REMOVE EXISTING 380mm CGMP |
| 5+022 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | | | | | | | | | | REMOVE EXISTING 380mm RCP |
| 5+027 | | CL | 72^22'16"LT | CH | CH | | | | | | 1050 | 21 | 2.77 | 2.67 | | | | | | | | | | | | | | 2.20 | 82 | | | | | 12 | | | 8 | II | | | | | |
| 5+156 | | CL | - | CH | CH | | | | | | 900 | 22 | 2.01 | 1.91 | | | X | | | | | | | | | | | 2.00 | 69 | | | | | 12 | | | 6 | II | | | | | |
| 5+162 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | REMOVE EXISTING 380mm CMP |
| 5+155.718 | 5+164.296 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | REMOVE EXISTING 380mm CMP |
| 5+258.373 | 5+268.375 | RT | | | | | | | | | 450 | 10 | | | | 1.63 | | | | | | | | | | | | | 4 | | | | | 5 | | | | | | 1 | | | |
| 21+007.951 | | LT | | DI | | | | | | | 450 | 29 | 1.63 | 1.52 | | | X | | | | | | 1050 | 1.62 | 80 | D | | | 51 | | | | | 13 | | | 1 | II | 1 | 1 | | | 1.2m x 1.2m REINFORCED CONCRETE DI WITH VERTICAL CURB |
| 22+070 | | CL | - | DI | ~~DI~~ | | | | | | 450 | 10 | 1.63 | 1.52 | III | | X | | | | | | 1050 | 1.39 | 70 | A | | | 21 | | | | | 4 | | | | | | 1 | | | 1.2m x 1.2m DI |
| 22+070 | | RT | | DI | | | | | | | 450 | 8 | 1.63 | 1.52 | | | X | | | | | | 1050 | 1.39 | 70 | A | | | 18 | | | | | 4 | | | 1 | II | 1 | 1 | | | 1.2m x 1.2m DI |
| 5+729.850 | 5+741.890 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | ~~8~~ 15.3 | | | | | | | | | | | | | | REMOVE EXISTING 300mm CGMP |
| 5+760.630 | 5+766.730 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | ~~8~~ 5.9 | | | | | | | | | | | | | | REMOVE EXISTING 300mm CGMP |
| 5+843 | | CL | 56^10'08"LT | MES | | | | | | | 600 | 26 | 1.63 | 1.52 | | | X | | | 1 | | | | | | | | | 37 | | | | | 13 | | | 3 | II | 1 | 1 | | | |
| 5+848 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | REMOVE EXISTING 300mm ACCGMP |
| 6+145.503 | 6+153.988 | RT | | | | | | | | | 450 | 9 | | | | 1.63 | | | | | | | | | | | | | 7 | | | | | 4 | | | | | | | | | |
| 6+189.250 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEE BRIDGE DETAILS |
| 6+322 | | CL | 79^36'24"LT | CH | CH | | | | | | 900 | 25 | 2.01 | 1.91 | | | X | | | | | | | | | | | 2.00 | 40 | | | | | 14 | | | 6 | II | | | | | |
| 6+323.438 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | | | | | | | | | REMOVE EXISTING 360mm CGMP |
| 6+505.003 | 6+518.271 | LT | | | | | | | | | 450 | 14 | | | | 1.63 | | | | | | | | | | | | | 12 | | | | | 6 | | | | | | | | | |
| 6+533.829 | 6+549.148 | LT | | | | | | | | | 450 | 16 | | | | 1.63 | | | | | | | | | | | | | 25 | | | | | 7 | | | | | | | | | REMOVE EXISTING 380mm CMP W/ HEADWALL |
| 6+562.763 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | REMOVE EXISTING 460mm ACCGMP |
| 6+566 | | CL | 47^50'26" | CH | CH | | | | | | 1050 | 35 | 2.77 | 2.67 | | | | | | | | | | | | | | 2.20 | 159 | | | | | 21 | | | 8 | II | | | | | |
| 6+652.920 | 6+663.283 | LT | | | | | | | | | 450 | 12 | | | | 1.63 | | | | | | | | | | | | | 12 | | | | | 6 | | | | | | | | | REMOVE EXISTING 300mm CGMP |
| 6+767.294 | 6+779.178 | LT | | | | | | | | | 450 | 12 | | | | 1.63 | | | | | | | | | | | | | 12 | | | | | 6 | | | | | | | | | |
| 6+832.445 | 6+846.560 | LT | | | | | | | | | 450 | 14 | | | | 1.63 | | | | | | | | | | | | | 12 | 4 | | | | 7 | | | | | | | | | |
| 7+023.083 | 7+036.605 | LT | | | | | | | | | 450 | 12 | | | | 1.63 | | | | | | | | | | | | | 12 | | | | | 6 | | | | | | | | | |
| 7+161 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | REMOVE EXISTING 300mm ACCGMP |
| 7+243 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | REMOVE EXISTING 300mm ACCGMP |
| 7+306 | | CL | | CH | CH | | | | | | 900 | 19 | 2.01 | 1.91 | | | X | | | | | | | | | | | 2.00 | 74 | | | | | 11 | | | 6 | II | | | | | REMOVE EXISTING 300mm ACCGMP |
| 7+533 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | | | | | | | | | | | | REMOVE EXISTING 460mm ACCGMP |
| 7+540 | | CL | | DI | | | | | | | 600 | 17 | 1.63 | 1.52 | | | X | | | | | | 1650 | 2.63 | 129 | 2-A | | | 61 | | | | | 8 | | | 2 | II | 1 | 1 | | | 1.2m x 1.8m DI |
| 7+608.912 | 7+621.561 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | ~~8~~ 5.7 | | | | | | | | | | | | | | REMOVE EXISTING 300mm ACCGMP |
| 7+636 | | CL | - | DI | | | | | | | 600 | 16 | 1.63 | 1.52 | | | X | | | | | | 1950 | 3.06 | 155 | 2-A | | | 56 | | | | | 8 | | | 2 | II | 1 | 1 | | | 1.2m x 1.8m DI |
| 7+663 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | REMOVE EXISTING 300mm ACCGMP |
| 7+800 | | CL | - | DI | | | | | | | 750 | 16 | 2.01 | 1.91 | | | X | | | | | | 1950 | 3.01 | 171 | 2-A | | | 65 | | | | | 9 | | | 2 | II | | | | | 1.2m x 1.8m DI |
| 7+810 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | | | | | | | | REMOVE EXISTING 300mm CGMP |
| 7+833 | | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | REMOVE EXISTING 300mm CGMP |
| 7+920 | | CL | - | DI | | | | | | | 600 | 16 | 1.63 | 1.52 | | | X | | | | | | 1950 | 3.06 | 155 | 2-A | | | 45 | | | | | 8 | | | 2 | II | 1 | 1 | | | 1.2m x 1.8m DI |
| 8+055.591 | 8+069.440 | LT | | | | | | | | | 450 | 14 | | | | 1.63 | | | | | | | | | | | | | 23 | | | | | 7 | | | | | | | | | REMOVE EXISTING 205mm CIP |
| TOTALS | | | | | | | | | | | 450 | 128 | | | | 1.63 | | | | 2 | | | | 18.03 | 933 | 11-A | | 10.4 | 1239 | 4 | | | | 225 | | | 52 | II | 7 | 9 | | | |
| | | | | | | | | | | | 450 | 10 | 1.63 | 1.52 | III | | X | | | | | | | | | 1-D | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 450 | 77 | 1.63 | 1.52 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 600 | 94 | 1.63 | 1.52 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 750 | 16 | 2.01 | 1.91 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 900 | 66 | 2.01 | 1.91 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1050 | 66 | 2.01 | 1.91 | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |

PROJECT NAME: HIGHGATE - FRANKLIN
PROJECT NUMBER: STP RS 0301(1) SA

FILE NAME: ...85c060/design/dc060frm.dgn
PROJECT LEADER: DELLASANTA
DESIGNED BY: SQUAD B
DRAINAGE DETAIL SHEET #2
PLOT DATE: 04/07/2005
DRAWN BY: SQUAD B
CHECKED BY: SQUAD B
SHEET 13 OF 450