

| DWG    | SHEET TITLE  | SPECIAL REQUIREMENTS AND NOTES                  |
|--------|--|---|
| 300.01 | METHOD OF PIPE INSTALLATION - METHOD A                             |   |
| 310.02 | PARALLEL PIPE END SECTION-PRECAST CONCRETE FOR 15" TO 24" PIPE     |   |
| 310.03 | CROSS PIPE END SECTION-PRECAST CONCRETE FOR 18" TO 30" PIPE        |   |
| 310.10 | DRIVEWAY PIPE CONSTRUCTION USING NO SPECIAL END SECTIONS           | ONLY AT LOCATIONS APPROVED BY THE TOWN ENGINEER |
| 815.03 | PIPE UNDERDRAIN AND BLIND DRAIN                                    |   |
| 816.03 | GEOCOMPOSITE SHOULDER DRAIN  |   |
| 838.01 | CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS               | NOTE 1  |
|        | 15" THRU 48" PIPE 90' SKEW   | NOTE 1  |
| 838.02 | CONCRETE ENDWALL AND SLUICE GATE 15" THRU 36" PIPE-90' SKEW        | NOTE 1  |
| 838.04 | CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS               | NOTE 1  |
|        | 17"X13"THRU 71"X47" PIPE ARCH 90' SKEW                             | NOTE 1  |
| 838.05 | CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 15" THRU 48" PIPE    | NOTE 1  |
| 838.06 | CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 17"X13" THRU 71"X47" | NOTE 1  |
|        | 71"X47" ARCH PIPE  | NOTE 1  |
| 838.07 | CONCRETE ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS               | NOTE 1  |
|        | 40"X31" THRU 66"X51" PIPE ARCH 90'SKEW                             | NOTE 1  |
| 838.08 | CONCRETE "L" ENDWALL FOR SINGLE PIPE CULVERTS 40"X32"              | NOTE 1  |
|        | THRU 66"X51" PIPE ARCH   | NOTE 1  |
| 838.10 | CONCRETE ENDWALL FOR OUTFALL 4'-6" OR 8" PIPE                      | NOTE 1  |
| 838.11 | BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS                  | NOTE 1  |
|        | 15" THRU 48" 90' SKEW  | NOTE 1  |
| 838.14 | BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS 17"X31"          | NOTE 1  |
|        | THRU 71"X47" 90' SKEW  | NOTE 1  |
| 838.15 | BRICK "L" ENDWALL FOR SINGLE PIPE CULVERTS 15" THRU 48" PIPE       | NOTE 1  |
| 838.16 | BRICK "L" ENDWALL FOR SINGLE PIPE CULVERTS 17"X13" THRU            | NOTE 1  |
|        | 71"X47" PIPE ARCH  | NOTE 1  |
| 838.17 | BRICK ENDWALL FOR SINGLE AND DOUBLE PIPE CULVERTS 40"X31"          | NOTE 1  |
|        | THRU 66"X51" PIPE ARCH 90' SKEW                                    | NOTE 1  |
| 838.18 | BRICK ENDWALL FOR SINGLE PIPE CULVERTS 40"X31" THRU                | NOTE 1  |
|        | 66"X51" PIPE ARCH 90' SKEW   | NOTE 1  |
| 838.20 | BRICK ENDWALL FOR OUTFALL 4", 6" AND 8" PIPE                       | NOTE 1  |
| 838.21 | REINFORCED CONCRETE ENDWALL FOR SINGLE 54" PIPE 90' SKEW           | NOTE 1  |
| 838.22 | REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 54" PIPE 90' SKEW  | NOTE 1  |
| 838.27 | REINFORCED CONCRETE ENDWALL FOR SINGLE 60" PIPE 90' SKEW           | NOTE 1  |
| 838.28 | REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 60" PIPE 90' SKEW  | NOTE 1  |
| 838.33 | REINFORCED CONCRETE ENDWALL FOR SINGLE 66" PIPE 90' SKEW           | NOTE 1  |
| 838.34 | REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 66" PIPE 90' SKEW  | NOTE 1  |
| 838.39 | REINFORCED CONCRETE ENDWALL FOR SINGLE 72" PIPE 90' SKEW           | NOTE 1  |
| 838.40 | REINFORCED CONCRETE ENDWALL FOR DOUBLE & TRIPLE 72" PIPE 90' SKEW  | NOTE 1  |

NOTE 1: FOR ALL STRUCTURES - NCDOT REQUIRES CLASS B CONCRETE (2500PSI). THE TOWN REQUIRES 3600 PSI CONCRETE STRENGTH @ 28 DAYS.



**TOWN OF INDIAN TRAIL  
STANDARD DETAIL**

**NCDOT STANDARDS APPROVED FOR USE  
IN THE TOWN OF INDIAN TRAIL**

| REVISIONS | Scale<br>Not To Scale    |
|-----------|--------------------------|
|           | Revision Date<br>02/2021 |
|           | Detail #<br>T_22.01      |
|           |                          |
|           |                          |