COMPUTED BY: EGH DATE: 10/24/2014

CHECKED BY: SNM DATE: 10/27/2014

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

| PROJECT NO. | SHEET NO. |
|---|---|
| R-2915A | 3D-12 |

**Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.**

## *LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 54" & OVER)*

| STATION | LOCATION (LT, RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 54" | 60" | 66" | 72" | 78" | 84" | C.S. PIPE 54" .109 | 54" .138 | 54" .168 | 54" SHOP ELON-GATED .138 | 54" SHOP ELON-GATED .168 | 60" .138 | 60" .168 | 66" .138 | 66" .168 | 72" .139 | 72" .168 | CORRUGATED STEEL PIPE ARCH 87"x63" .109 | REINFORCED ENDWALLS WITH R.C. - C.Y. | REINFORCED ENDWALLS WITH C.S. - C.Y. | MASONRY DRAINAGE STRUCTURES CUBIC YARDS | C.B. STD. 840.01 OR 840.02 | FRAMES, GRATES & HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | CONCRETE TRANSITIONAL SECTION DROP INLET | CATCH BASIN | QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. B 10.0' AND ABOVE | 54" WELDED STEEL PIPE 0.75" THICK, GRADE B | J.B. STD. 840.31 OR 840.32 | MANHOLE FRAME AND COVER STD. 840.54 | REINF. CONC. FLARED END SECTIONS NO. & SIZE | CORR. STEEL FLARED END SECTIONS NO. & Size | CORR. STEEL ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | PIPE REMOVAL LIN. FT. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DR5 10+90 | CL | 0465 | 0466 | | 2990.35 | 2990.16 | | | | | | | | | | | | | | | | | 37 | | | | | | | | | | | | | | | | | | | | | | | | 37 LF 87 "x63" METAL PIPE ARCH |
| RPB 6+50 | CL | 0409 | 0449 | | 2985.50 | 2984.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | | | | | | | | | |
| L 51+87 | RT | 0606 | 0610 | | 2964.00 | 2962.66 | | 132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 66+11 | CL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | REMOVE 2 - 6' X 9' BARRELS CULVERT |
| L 99+59 | RT | 1011 | | 2944.30 | | | | | | | | | | | | | | | | | | | | 5.6 | | | | | | | | | | | | | | | | | | | | | | | STD. 838.27 |
| | RT | 1011 | 1010 | | 2938.30 | 2936.00 | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 99+60 | RT | 1010 | | 2947.50 | | | | | | | | | | | | | | | | | | | | | | 25.12 | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| | RT | 1010 | 1007 | | 2935.00 | 2933.80 | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 99+68 | LT | 1007 | | 2945.50 | | | | | | | | | | | | | | | | | | | | | | 23.94 | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| | LT | 1007 | 1006 | | 2933.60 | 2933.00 | | | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 99+76 | LT | 1006 | | 2939.03 | | | | | | | | | | | | | | | | | | | | 5.6 | | | | | | | | | | | | | | | | | | | | | | | STD. 838.27 |
| L 107+12 | RT | 1105 | | 2939.17 | | | | | | | | | | | | | | | | | | | | 6.3 | | | | | | | | | | | | | | | | | | | | | | | STD. 838.33 |
| | | 1105 | 1124 | | 2933.00 | 2929.60 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 107+05 | CL | 1124 | | 2943.00 | | | | | | | | | | | | | | | | | | | | | | 29.42 | | | | | | | | | | | | | 1 | 1 | | | | | | | |
| | | 1124 | 1104 | | 2929.40 | 2925.00 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L 106+99 | LT | 1104 | | 2931.17 | | | | | | | | | | | | | | | | | | | | 6.3 | | | | | | | | | | | | | | | | | | | | | | | STD. 838.33 |
| TOTALS | | | | | | | | 132 | 144 | 144 | | | | | | | | | | | | | 37 | 23.8 | | 78.5 | | | | | | | | | | | 100.0 | 3 | 3 | | | | | | | | |
| PROJECT SAY | | | | | | | | 132 | 144 | 144 | | | | | | | | | | | | | 37 | 24.0 | | 79.0 | | | | | | | | | | | 100.0 | 3 | 3 | | | | | | | | |

**ABBREVIATIONS**

| | |
|---|---|
| C.B. | CATCH BASIN |
| N.D.I. | NARROW DROP INLET |
| D.I. | DROP INLET |
| G.D.I. | GRATED DROP INLET |
| G.D.I.(N.S.) | GRATED DROP INLET (NARROW SLOT) |
| J.B. | JUNCTION BOX |
| M.H. | MANHOLE |
| T.B.D.I. | TRAFFIC BEARING DROP INLET |
| T.B.J.B. | TRAFFIC BEARING JUNCTION BOX |