COMPUTED BY: Chris Hoffman DATE: 19 Aug 2014
CHECKED BY: DATE:

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| U-5118EM | 3 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

# LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

| 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) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12" .064 | 15" .064 | 18" .064 | 24" .064 | 30" .079 | 36" .079 | 42" .109 | 48" .109 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -L- 14+59 | Lt. | | | | | | | | | | | | | | | | | | | | | | |
| -L- 16+05 | Lt. | | | | | | | | | | | | | | | | | | | | | | |
| -L- 21+64 | Lt. | | | | | | | | | | | | | | | | | | | | | | |
| -L- 19+97 | Rt. | | | | | | | | | | | | | | | | | | | | | | |
| -L- 14+59 | Lt. | 1 | | | 332.33 | 332.18 | .008 | | | | | | | | | | | | | | | | |
| -L- 14+94 | Rt. | 2 | 3 | | 329.76 | 329.30 | .022 | | | 20 | | | | | | | | | | | | | |
| -L- 15+15 | Rt. | 3 | | 333.59 | 329.30 | | | | | | | | | | | | | | | | | | |
| -L- 16+06 | Lt. | 4 | | | 331.26 | 331.11 | .007 | | | | | | | | | | | | | | | | |
| -L- 16+65 | Lt. | 5 | 6 | | EX. | 327.50 | | | | 7 | | | | | | | | | | | | | |
| -L- 16+65 | Lt. | 6 | | 330.73 | 327.50 | | | | | | | | | | | | | | | | | | |
| -L- 16+70 | Rt. | 7 | | 331.24 | EX. | | | | | | | | | | | | | | | | | | |
| -L- 19+96 | Rt. | 8 | | | 329.77 | 329.57 | .008 | | | | | | | | | | | | | | | | |
| -L- 20+68 | Lt. | 8 | | | 328.65 | 328.49 | .007 | | | | | | | | | | | | | | | | |
| -L- 21+64 | Lt. | 8 | | | 327.98 | 327.81 | .007 | | | | | | | | | | | | | | | | |
| SHEET TOTALS | | | | | | | | | | 27 | | | | | | | | | | | | | |
| PROJECT TOTALS | | | | | | | | | | 27 | | | | | | | | | | | | | |

| STATION | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0') | * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. *FT. A 5.0' THRU 10.0' | B 10.0' AND ABOVE | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME & GRATE STD. 840.16 | M.D.I. TYPE "A" STD. 840.17 OR 840.26 | M.D.I. TYPE "B" STD. 840.18 OR 840.27 | M.D.I. TYPE "D" STD. 840.19 OR 840.28 | M.D.I. FRAME WITH GRATE STD. 840.22 | M.D.I. FRAME WITH TWO GRATES STD. 840.22 | M.H. STD. 840.51 OR 840.52 OR 840.53 | M.H. FRAME & COVER STD. 840.54 | J.B. STD. 840.31 OR 840.32 | CORR. STEEL ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD 840.72 | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | PIPE REMOVAL LIN.FT. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -L- 14+59 | | | | | | | | | | | | | | | | | | | | | | 17 | |
| -L- 16+05 | | | | | | | | | | | | | | | | | | | | | | 21 | |
| -L- 21+64 | | | | | | | | | | | | | | | | | | | | | | 25 | |
| -L- 19+97 | | | | | | | | | | | | | | | | | | | | | | 21 | |
| -L- 14+59 | 20 | | | | | | | | | | | | | | | | | | | | | | REUSE EXIST RCP AS DIRECTED BY ENG. |
| -L- 14+94 | | | | | | 1 | | | 1 | 1 | | | | | | | | | | | | | |
| -L- 15+15 | | | | | | | | | | | | | | | | | | | | | | | |
| -L- 16+06 | 22 | | | | | | | | | | | | | | | | | | | | | | REUSE EXIST RCP AS DIRECTED BY ENG. |
| -L- 16+65 | | | | | | | | | | | | | | | | | | | | .45 | | | |
| -L- 16+65 | | | | | | 1 | | | 1 | 1 | | | | | | | | | | | | | |
| -L- 16+70 | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | |
| -L- 19+96 | 24 | | | | | | | | | | | | | | | | | | | | | | REUSE EXIST RCP AS DIRECTED BY ENG. |
| -L- 20+68 | 24 | | | | | | | | | | | | | | | | | | | | | | REUSE EXIST RCP AS DIRECTED BY ENG. |
| -L- 21+64 | 24 | | | | | | | | | | | | | | | | | | | | | | REUSE EXIST RCP AS DIRECTED BY ENG. |
| SHEET TOTALS | 114 | | | | | 3 | | | 2 | 2 | | | | | | | 1 | 1 | | .45 | | 84 | |
| PROJECT TOTALS | 114 | | | | | 3 | | | 2 | 2 | | | | | | | 1 | 1 | | .45 | | 84 | |

ABBREVIATIONS

- C.B. CATCH BASIN
- N.D.I. NARROW DROP INLET
- D.I. DROP INLET
- M.D.I. MEDIAN DROP INLET
- M.D.I. (N.S.) MEDIAN 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 JUCTION BOX

6/21/00
14-JAN-2015 14:45
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cahoffman AT D5CAD277139