

COMPUTED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

| WBS ELEMENT | | SHEET 18 OF 31 |
|-------------|--------------|----------------|
| 36765 | 3CR.20651J5 | 3CRJ071J5 |
| 36764 | 3CR.306532J5 | 39251 |
| 3CR.20651.4 | 3CR.306508J5 | 39254 |
| 3CR.20651J1 | 36796 | 39256 |
| 38225 | 3CRJ067L5 | |
| | 3CRJ067J5 | |

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

| STATION SIZE | LOCATION (L, R, OR C) FROM TO | STRUCTURE NO. | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) | | | | | | | | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) | | | | | | | | ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) | CU. YDS. R.C.P. C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PIPE * QUANTITY SHALL BE COL. * A + (1.3 X COL.) | PER EACH 10.0' THRU 10.0' 10.0' AND ABOVE | D.I. STD. 840.45 | D.I. FRAME & GRATE STD. 840.16 | M.D.I. TYPE "A" STD. 840.17 OR 840.26 | M.D.I. TYPE "F" 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.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | I.A. STD. 840.45 | O.T.C.R. STD. 840.45 | D.I. FRAME & GRATE (R.R.) STD. 840.24 | 24" RCP FLARED END SECTION | CONVERT EXISTING D.I. TO O.T.C.R. | ADJUST MANHOLE | ADJUST WY | REMOVE DI | ADJUST D.I. | CONC. STEEL ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | CONC. & BRICK PIPE PLUGS, C.Y. STD. 840.71 | PIPE REMOVAL LN.FT. | REMARKS | ABBREVIATIONS | | | |
|---------------------|--------------------------------------|---------------|---------------|------------------|------------------|----------------|---|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|-----|-----|-----|--|----------------------------------|---|---|------------------|--------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|--|--|---|------------------|----------------------|---------------------------------------|----------------------------|-----------------------------------|----------------|-----------|-----------|-------------|-------------------------------|--|--|---------------------|---------|---------------|---|--------|-------------------|
| | | | | | | | 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | | | | | | | | | | | | | | | | | | | | | | | | | | | | A | B | C.B. | CATCH BASIN |
| | | | | | | | 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | N.D.I. | NARROW DROP INLET |
| 45+75 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47+85 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48+50 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54+05 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54+51 | LT | | | | | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | | |
| 54+51 | RT | | | | | | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54+51 | RT | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55+50 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92+64 | RT | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93+00 | RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94+00 | RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94+43 | RT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 144+00 | LT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | 8 | 360 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 6 9 4 | 30 | 9 | 206 | | | | | | | | | | |

- 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 JUNCTION BOX