RAL-2UA2440BPJ

COMPUTED BY: CGM DATE: 3/06/14

CHECKED BY: JRR DATE:

PROJECT NO.: U-2579B SHEET NO.: 3D-7

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

**Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".**

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

**ABBREVIATIONS**

- **C.A.A.** CORRUGATED ALUMINIUM ALLOY
- **C.B.** CATCH BASIN
- **C.S.** CORRUGATED STEEL
- **D.I.** DROP INLET
- **G.D.I.** GRATED DROP INLET
- **H.D.P.E.** HIGH DENSITY POLYETHYLENE
- **J.B.** JUNCTION BOX
- **M.H.** MANHOLE
- **N.S.** NARROW SLOT
- **P.V.C.** POLYVINYL CHLORIDE
- **R.C.** REINFORCED CONCRETE
- **T.B.D.I.** TRAFFIC BEARING DROP INLET
- **T.B.J.B.** TRAFFIC BEARING JUNCTION BOX
- **W.S.** WIDE SLOT

Size / Thickness or Gauge

| LINE & STATION | OFFSET | STRUCTURE NUMBER FROM | STRUCTURE NUMBER TO | TOP ELEVATION FT. | INVERT ELEVATION FT. | INVERT ELEVATION FT. | MINIMUM REQUIRED SLOPE % |
|---|---|---|---|---|---|---|---|
| 560+50 -L- | CL | 0121 | | 904.5 | 901.7 | | |
| | | 0121 | 0122 | | 901.7 | 901.5 | |
| 563+51 -L- | RT | 0124 | | 916.4 | 913.3 | | |
| | | 0124 | 0122 | | 913.3 | 901.5 | |
| 563+50 -L- | CL | 0123 | | 916.3 | 913.5 | | |
| | | 0123 | 0124 | | 913.5 | 913.3 | |
| 564+93 -L- | RT | 0131 | | | 898.0 | 890.0 | |
| 569+27 -L- | LT | 0130 | | | | | |
| | | 0130 | 0128 | | 889.3 | 868.3 | |
| 572+50 -L- | CL | 0136 | | 952.0 | 949.2 | | |
| | | 0136 | 0137 | | 949.2 | 949.0 | |
| 572+51 -L- | RT | 0137 | | 952.1 | 949.0 | | |
| | | 0137 | 0135 | | 949.0 | 937.1 | |
| 569+50 -L- | CL | 0134 | | 940.1 | 937.3 | | |
| | | 0134 | 0135 | | 937.3 | 937.1 | |
| 569+51 -L- | RT | 0135 | | 940.2 | 936.9 | | |
| | | 0135 | 0133 | | 936.9 | 926.3 | |
| 566+76 -L- | RT | 0133 | | 929.3 | 925.8 | | |
| | | 0133 | 0132 | | 925.8 | 925.6 | |
| 566+75 -L- | CL | 0132 | | 929.2 | 925.6 | | |
| | | 0132 | OUT | | 925.6 | 894.5 | |
| 575+90 -L- | CL | 0138 | | 965.1 | 962.3 | | |
| | | 0138 | 0139 | | 962.3 | 962.1 | |
| 578+75 -L- | RT | 0140 | | 973.3 | 970.2 | | |
| | | 0140 | 0139 | | 970.2 | 962.1 | |
| 578+75 -L- | CL | 0141 | | 973.2 | 970.4 | | |
| | | 0141 | 0140 | | 970.4 | 970.2 | |
| 575+90 -L- | RT | 0139 | | 965.2 | 961.9 | | |
| | | 0139 | OUT | | 961.9 | 918.2 | |
| 581+72 -L- | CL | 0142 | | 978.1 | 975.3 | | |
| | | 0142 | 0143 | | 975.3 | 975.1 | |
| 581+73 -L- | RT | 0143 | | 977.8 | 975.1 | | |
| | | 0143 | OUT | | 975.1 | 928.0 | |
| 583+22 -L- | LT | 0144 | | 942.8 | 939.8 | | |
| | | 0144 | 0145 | | 939.8 | 934.9 | |
| 583+42 -L- | RT | 0145 | | 939.6 | 934.4 | | |
| | | 0145 | 0146 | | 934.4 | 934.2 | |
| 583+48 -L- | RT | 0146 | | 938.6 | 934.2 | | |
| | | 0146 | OUT | | 934.2 | 933.7 | |
| 583+77 -L- | RT | 0147 | | | 937.5 | EX | |
| 584+82 -L- | LT | 0148 | | | 942.7 | 939.7 | |

SIDE DRAIN PIPE (STATEWIDE TIER) (RCP, CSP, CAAP, HDPE, or PVC) and C. S. PIPE (SE: SHOP ELONGATED)

| LINE & STATION | FROM | TO | SD 15 | SD 18 | SD 24 | SD 30 | SD 36 | SD 42 | SD 48 | DO NOT USE RCP | C.S. 15 (.064) | C.S. 18 (.064) | C.S. 24 (.064) | C.S. 30 (.064) | C.S. 36 (.079) | C.S. 42 (.109) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | | | | | | | | | | |
| | 0121 | 0122 | | | | | | | | | | | | | | |
| 563+51 -L- | 0124 | | | | | | | | | | | | | | | |
| | 0124 | 0122 | 300 | | | | | | | | | | | | | |
| 563+50 -L- | 0123 | | | | | | | | | | | | | | | |
| | 0123 | 0124 | | | | | | | | | | | | | | |
| 564+93 -L- | 0131 | | | | | | | | | | | 76 | | | | |
| 569+27 -L- | 0130 | | | | | | | | | | | | | | | |
| | 0130 | 0128 | | | | | | | | | | | | | | |
| 572+50 -L- | 0136 | | | | | | | | | | | | | | | |
| | 0136 | 0137 | | | | | | | | | | | | | | |
| 572+51 -L- | 0137 | | | | | | | | | | | | | | | |
| | 0137 | 0135 | 300 | | | | | | | | | | | | | |
| 569+50 -L- | 0134 | | | | | | | | | | | | | | | |
| | 0134 | 0135 | | | | | | | | | | | | | | |
| 569+51 -L- | 0135 | | | | | | | | | | | | | | | |
| | 0135 | 0133 | | 272 | | | | | | | | | | | | |
| 566+76 -L- | 0133 | | | | | | | | | | | | | | | |
| | 0133 | 0132 | | | | | | | | | | | | | | |
| 566+75 -L- | 0132 | | | | | | | | | | | | | | | |
| | 0132 | OUT | | | | | | | | | | | 152 | | | |
| 575+90 -L- | 0138 | | | | | | | | | | | | | | | |
| | 0138 | 0139 | | | | | | | | | | | | | | |
| 578+75 -L- | 0140 | | | | | | | | | | | | | | | |
| | 0140 | 0139 | 284 | | | | | | | | | | | | | |
| 578+75 -L- | 0141 | | | | | | | | | | | | | | | |
| | 0141 | 0140 | | | | | | | | | | | | | | |
| 575+90 -L- | 0139 | | | | | | | | | | | | | | | |
| | 0139 | OUT | | 104 | | | | | | X | | | | | | |
| 581+72 -L- | 0142 | | | | | | | | | | | | | | | |
| | 0142 | 0143 | | | | | | | | | | | | | | |
| 581+73 -L- | 0143 | | | | | | | | | | | | | | | |
| | 0143 | OUT | 108 | | | | | | | X | | | | | | |
| 583+22 -L- | 0144 | | | | | | | | | | | | | | | |
| | 0144 | 0145 | | 280 | | | | | | | | | | | | |
| 583+42 -L- | 0145 | | | | | | | | | | | | | | | |
| | 0145 | 0146 | | | 68 | | | | | | | | | | | |
| 583+48 -L- | 0146 | | | | | | | | | | | | | | | |
| | 0146 | OUT | | | 24 | | | | | | | | | | | |
| 583+77 -L- | 0147 | | | 12 | | | | | | | | | | | | |
| 584+82 -L- | 0148 | | | | | | | | | | | | | | | |
| SHEET TOTALS | | | 992 | 668 | 92 | | | | | | | 76 | 152 | | | |

R. C. PIPE CLASS III, CLASS IV, CLASS V

| LINE & STATION | FROM | TO | III 15 | III 18 | III 24 | III 30 | III 36 | III 42 | III 48 | IV 15 | IV 18 | IV 24 | IV 30 | IV 42 | IV 48 | V 24 | V 30 | V 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | | | | | | | | | | | | |
| | 0121 | 0122 | | | | | | | | 72 | | | | | | | | |
| 563+51 -L- | 0124 | | | | | | | | | | | | | | | | | |
| | 0124 | 0122 | | | | | | | | | | | | | | | | |
| 563+50 -L- | 0123 | | | | | | | | | | | | | | | | | |
| | 0123 | 0124 | | | | | | | | 72 | | | | | | | | |
| 564+93 -L- | 0131 | | | | | | | | | | | | | | | | | |
| 569+27 -L- | 0130 | | | | | | | | | | | | | | | | | |
| | 0130 | 0128 | | | | | | | | | | | | | | | | |
| 572+50 -L- | 0136 | | | | | | | | | | | | | | | | | |
| | 0136 | 0137 | | | | | | | | 72 | | | | | | | | |
| 572+51 -L- | 0137 | | | | | | | | | | | | | | | | | |
| | 0137 | 0135 | | | | | | | | | | | | | | | | |
| 569+50 -L- | 0134 | | | | | | | | | | | | | | | | | |
| | 0134 | 0135 | | | | | | | | 72 | | | | | | | | |
| 569+51 -L- | 0135 | | | | | | | | | | | | | | | | | |
| | 0135 | 0133 | | | | | | | | | | | | | | | | |
| 566+76 -L- | 0133 | | | | | | | | | | | | | | | | | |
| | 0133 | 0132 | | | | | | | | | | 72 | | | | | | |
| 566+75 -L- | 0132 | | | | | | | | | | | | | | | | | |
| | 0132 | OUT | | | | | | | | | | | | | | | | |
| 575+90 -L- | 0138 | | | | | | | | | | | | | | | | | |
| | 0138 | 0139 | | | | | | | | 72 | | | | | | | | |
| 578+75 -L- | 0140 | | | | | | | | | | | | | | | | | |
| | 0140 | 0139 | | | | | | | | | | | | | | | | |
| 578+75 -L- | 0141 | | | | | | | | | | | | | | | | | |
| | 0141 | 0140 | | | | | | | | 72 | | | | | | | | |
| 575+90 -L- | 0139 | | | | | | | | | | | | | | | | | |
| | 0139 | OUT | | | | | | | | | | | | | | | | |
| 581+72 -L- | 0142 | | | | | | | | | | | | | | | | | |
| | 0142 | 0143 | | | | | | | | 80 | | | | | | | | |
| 581+73 -L- | 0143 | | | | | | | | | | | | | | | | | |
| | 0143 | OUT | | | | | | | | | | | | | | | | |
| 583+22 -L- | 0144 | | | | | | | | | | | | | | | | | |
| | 0144 | 0145 | | | | | | | | | | | | | | | | |
| 583+42 -L- | 0145 | | | | | | | | | | | | | | | | | |
| | 0145 | 0146 | | | | | | | | | | | | | | | | |
| 583+48 -L- | 0146 | | | | | | | | | | | | | | | | | |
| | 0146 | OUT | | | | | | | | | | | | | | | | |
| 583+77 -L- | 0147 | | | | | | | | | | | | | | | | | |
| 584+82 -L- | 0148 | | | | | | | | | | 88 | | | | | | | |
| SHEET TOTALS | | | | | | | | | | 512 | 88 | 72 | | | | | | |

Contractor design culverts, trenchless installation, endwalls and quantities for drainage structures (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B))

| LINE & STATION | FROM | TO | 8" DIP (DUCTILE IRON PIPE) | 42" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | 48" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | 36" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | 18" R.C. PIPE CULVERTS, CONTRACTOR DESIGN | 30" WELDED STEEL PIPE, 0.500, TRENCLESS INSTALLATION | 36" WELDED STEEL PIPE, 0.500, TRENCLESS INSTALLATION | 42" WELDED STEEL PIPE, 0.625, TRENCLESS INSTALLATION | 48" WELDED STEEL PIPE, 0.625, TRENCLESS INSTALLATION | ENDWALLS STD. 838.01 OR STD. 838.11 OR 838.80 (UNLESS NOTED OTHERWISE) CY | 0' THRU 5' EACH | A 5' THRU 10' LIN. FT. | B 10' AND ABOVE LIN. FT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | | | | | | | 1 | | |
| | 0121 | 0122 | | | | | | | | | | | | | |
| 563+51 -L- | 0124 | | | | | | | | | | | | 1 | | |
| | 0124 | 0122 | | | | | | | | | | | | | |
| 563+50 -L- | 0123 | | | | | | | | | | | | 1 | | |
| | 0123 | 0124 | | | | | | | | | | | | | |
| 564+93 -L- | 0131 | | | | | | | | | | | | | | |
| 569+27 -L- | 0130 | | | | | | | | | | | 4.500 | | | |
| | 0130 | 0128 | | 460 | | | | | | | | | | | |
| 572+50 -L- | 0136 | | | | | | | | | | | | 1 | | |
| | 0136 | 0137 | | | | | | | | | | | | | |
| 572+51 -L- | 0137 | | | | | | | | | | | | 1 | | |
| | 0137 | 0135 | | | | | | | | | | | | | |
| 569+50 -L- | 0134 | | | | | | | | | | | | 1 | | |
| | 0134 | 0135 | | | | | | | | | | | | | |
| 569+51 -L- | 0135 | | | | | | | | | | | | 1 | | |
| | 0135 | 0133 | | | | | | | | | | | | | |
| 566+76 -L- | 0133 | | | | | | | | | | | | 1 | | |
| | 0133 | 0132 | | | | | | | | | | | | | |
| 566+75 -L- | 0132 | | | | | | | | | | | | 1 | | |
| | 0132 | OUT | | | | | | | | | | | | | |
| 575+90 -L- | 0138 | | | | | | | | | | | | 1 | | |
| | 0138 | 0139 | | | | | | | | | | | | | |
| 578+75 -L- | 0140 | | | | | | | | | | | | 1 | | |
| | 0140 | 0139 | | | | | | | | | | | | | |
| 578+75 -L- | 0141 | | | | | | | | | | | | 1 | | |
| | 0141 | 0140 | | | | | | | | | | | | | |
| 575+90 -L- | 0139 | | | | | | | | | | | | 1 | | |
| | 0139 | OUT | | | | | | | | | | | | | |
| 581+72 -L- | 0142 | | | | | | | | | | | | 1 | | |
| | 0142 | 0143 | | | | | | | | | | | | | |
| 581+73 -L- | 0143 | | | | | | | | | | | | 1 | | |
| | 0143 | OUT | | | | | | | | | | | | | |
| 583+22 -L- | 0144 | | | | | | | | | | | | 1 | | |
| | 0144 | 0145 | | | | | | | | | | | | | |
| 583+42 -L- | 0145 | | | | | | | | | | | | 1 | 0.2 | |
| | 0145 | 0146 | | | | | | | | | | | | | |
| 583+48 -L- | 0146 | | | | | | | | | | | | 1 | | |
| | 0146 | OUT | | | | | | | | | | | | | |
| 583+77 -L- | 0147 | | | | | | | | | | | | | | |
| 584+82 -L- | 0148 | | | | | | | | | | | | | | |
| SHEET TOTALS | | | | 460 | | | | | | | | 4.500 | 18 | 0.2 | |

Catch basins, frames, grates and hood (STD. 840.03), concrete transitional section, drop inlets

| LINE & STATION | FROM | TO | C.B. STD. 840.01 OR STD. 840.02 | GRATE TYPE E | GRATE TYPE F | GRATE TYPE G | D.I. STD. 852.04 OR STD. 852.06 | C.B. STD. 852.05 | OPEN THROAT C.B. STD. 840.04 OR STD. 840.05 | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME AND GRATES STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26 | G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27 | G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20 | G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22 | G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22 | G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24 | G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0121 | 0122 | | | | | | | | | | | | | | | | |
| 563+51 -L- | 0124 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0124 | 0122 | | | | | | | | | | | | | | | | |
| 563+50 -L- | 0123 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0123 | 0124 | | | | | | | | | | | | | | | | |
| 564+93 -L- | 0131 | | | | | | | | | | | | | | | | | |
| 569+27 -L- | 0130 | | | | | | | | | | | | | | | | | |
| | 0130 | 0128 | | | | | | | | | | | | | | | | |
| 572+50 -L- | 0136 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0136 | 0137 | | | | | | | | | | | | | | | | |
| 572+51 -L- | 0137 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0137 | 0135 | | | | | | | | | | | | | | | | |
| 569+50 -L- | 0134 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0134 | 0135 | | | | | | | | | | | | | | | | |
| 569+51 -L- | 0135 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0135 | 0133 | | | | | | | | | | | | | | | | |
| 566+76 -L- | 0133 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0133 | 0132 | | | | | | | | | | | | | | | | |
| 566+75 -L- | 0132 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0132 | OUT | | | | | | | | | | | | | | | | |
| 575+90 -L- | 0138 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0138 | 0139 | | | | | | | | | | | | | | | | |
| 578+75 -L- | 0140 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0140 | 0139 | | | | | | | | | | | | | | | | |
| 578+75 -L- | 0141 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0141 | 0140 | | | | | | | | | | | | | | | | |
| 575+90 -L- | 0139 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0139 | OUT | | | | | | | | | | | | | | | | |
| 581+72 -L- | 0142 | | | | | | | | | | | | 1 | | | 1 | | |
| | 0142 | 0143 | | | | | | | | | | | | | | | | |
| 581+73 -L- | 0143 | | | | | | | | | | | | 1 | 1 | | | | |
| | 0143 | OUT | | | | | | | | | | | | | | | | |
| 583+22 -L- | 0144 | | | | | | | | | | | | 1 | | | | 1 | |
| | 0144 | 0145 | | | | | | | | | | | | | | | | |
| 583+42 -L- | 0145 | | | | | | | | | | | | | | | | | |
| | 0145 | 0146 | | | | | | | | | | | | | | | | |
| 583+48 -L- | 0146 | | | | | | | | | | | | | | | | | |
| | 0146 | OUT | | | | | | | | | | | | | | | | |
| 583+77 -L- | 0147 | | | | | | | | | | | | | | | | | |
| 584+82 -L- | 0148 | | | | | | | | | | | | | | | | | |
| SHEET TOTALS | | | | | | | | | | | | | 16 | 7 | | 8 | 1 | |

Junction boxes, manholes, elbows and miscellaneous structures

| LINE & STATION | FROM | TO | J.B. STD. 840.31 OR STD. 840.32 | T.B.D.I. STD. 840.36 | STEEL GRATE AND FRAME STD. 840.37 | SPRING BOX STD. 840.41 | M.H. FRAME AND COVER STD. 840.54 | CONVERT EXISTING C.B. TO J.B. | CONVERT EXISTING O.T.C.B. TO 2GI | 15" SIDE DRAIN PIPE ELBOW | 18" SIDE DRAIN PIPE ELBOW | 24" SIDE DRAIN PIPE ELBOW | 30" SIDE DRAIN PIPE ELBOW | 36" SIDE DRAIN PIPE ELBOW | 15" C.S. PIPE ELBOW | 18" C.S. PIPE ELBOW | 24" C.S. PIPE ELBOW | 42" C.S. PIPE ELBOW | BERM DITCH OUTLET STD. 850.10 | MODIFIED CONC. FLUME | PREFORMED SCOUR HOLE (PER EACH) | ENERGY DISSIPATION BASIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | | | | | | | | | | | | | | | | |
| | 0121 | 0122 | | | | | | | | | | | | | | | | | | | | |
| 563+51 -L- | 0124 | | | | | | | | | | | | | | | | | | | | | |
| | 0124 | 0122 | | | | | | | | | | | | | | | | | | | | |
| 563+50 -L- | 0123 | | | | | | | | | | | | | | | | | | | | | |
| | 0123 | 0124 | | | | | | | | | | | | | | | | | | | | |
| 564+93 -L- | 0131 | | | | | | | | | | | | | | | | | | | | | |
| 569+27 -L- | 0130 | | | | | | | | | | | | | | | | | | | | | |
| | 0130 | 0128 | | | | | | | | | | | | | | | | | | | | |
| 572+50 -L- | 0136 | | | | | | | | | | | | | | | | | | | | | |
| | 0136 | 0137 | | | | | | | | | | | | | | | | | | | | |
| 572+51 -L- | 0137 | | | | | | | | | | | | | | | | | | | | | |
| | 0137 | 0135 | | | | | | | | | | | | | | | | | | | | |
| 569+50 -L- | 0134 | | | | | | | | | | | | | | | | | | | | | |
| | 0134 | 0135 | | | | | | | | | | | | | | | | | | | | |
| 569+51 -L- | 0135 | | | | | | | | | | | | | | | | | | | | | |
| | 0135 | 0133 | | | | | | | | | | | | | | | | | | | | |
| 566+76 -L- | 0133 | | | | | | | | | | | | | | | | | | | | | |
| | 0133 | 0132 | | | | | | | | | | | | | | | | | | | | |
| 566+75 -L- | 0132 | | | | | | | | | | | | | | | | | | | | | |
| | 0132 | OUT | | | | | | | | | | | | | | | 2 | | | | | |
| 575+90 -L- | 0138 | | | | | | | | | | | | | | | | | | | | | |
| | 0138 | 0139 | | | | | | | | | | | | | | | | | | | | |
| 578+75 -L- | 0140 | | | | | | | | | | | | | | | | | | | | | |
| | 0140 | 0139 | | | | | | | | | | | | | | | | | | | | |
| 578+75 -L- | 0141 | | | | | | | | | | | | | | | | | | | | | |
| | 0141 | 0140 | | | | | | | | | | | | | | | | | | | | |
| 575+90 -L- | 0139 | | | | | | | | | | | | | | | | | | | | | |
| | 0139 | OUT | | | | | | | | | 2 | | | | | | | | | | | |
| 581+72 -L- | 0142 | | | | | | | | | | | | | | | | | | | 1 | | |
| | 0142 | 0143 | | | | | | | | | | | | | | | | | | | | |
| 581+73 -L- | 0143 | | | | | | | | | | | | | | | | | | | | | |
| | 0143 | OUT | | | | | | | | 2 | | | | | | | | | | | | |
| 583+22 -L- | 0144 | | | | | | | | | | | | | | | | | | | | | |
| | 0144 | 0145 | | | | | | | | | | | | | | | | | | | | |
| 583+42 -L- | 0145 | | 1 | | | | 1 | | | | | | | | | | | | | | | |
| | 0145 | 0146 | | | | | | | | | | | | | | | | | | | | |
| 583+48 -L- | 0146 | | 1 | | | | 1 | | | | | | | | | | | | | | | |
| | 0146 | OUT | | | | | | | | | | | | | | | | | | | | |
| 583+77 -L- | 0147 | | | | | | | | | | | | | | | | | | | | | |
| 584+82 -L- | 0148 | | | | | | | | | | | | | | | | | | | | | |
| SHEET TOTALS | | | 2 | | | | 2 | | | 2 | 2 | | | | | | 2 | | | 1 | | |

| LINE & STATION | FROM | TO | FLOWABLE FILL CY | CONCRETE COLLARS CL. "B" STD. 840.72 CY | CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY | PIPE REMOVAL LIN. FT. | REMARKS |
|---|---|---|---|---|---|---|---|
| 560+50 -L- | 0121 | | | | | | SHOULDER DRAIN OUTLET |
| | 0121 | 0122 | | | | | |
| 563+51 -L- | 0124 | | | | | | |
| | 0124 | 0122 | | | | | |
| 563+50 -L- | 0123 | | | | | | |
| | 0123 | 0124 | | | | | |
| 564+93 -L- | 0131 | | | | | | |
| 569+27 -L- | 0130 | | | | | 45 | |
| | 0130 | 0128 | | | | | |
| 572+50 -L- | 0136 | | | | | 162 | |
| | 0136 | 0137 | | | | | |
| 572+51 -L- | 0137 | | | | | | |
| | 0137 | 0135 | | | | | |
| 569+50 -L- | 0134 | | | | | | |
| | 0134 | 0135 | | | | | |
| 569+51 -L- | 0135 | | | | | | |
| | 0135 | 0133 | | | | | |
| 566+76 -L- | 0133 | | | | | | |
| | 0133 | 0132 | | | | | |
| 566+75 -L- | 0132 | | | | | | |
| | 0132 | OUT | | | | | |
| 575+90 -L- | 0138 | | | | | | |
| | 0138 | 0139 | | | | | |
| 578+75 -L- | 0140 | | | | | | |
| | 0140 | 0139 | | | | 20 | |
| 578+75 -L- | 0141 | | | | | 20 | |
| | 0141 | 0140 | | | | | |
| 575+90 -L- | 0139 | | | | | 20 | |
| | 0139 | OUT | | | | | |
| 581+72 -L- | 0142 | | | | | | Special Detail, See Sheet 2D-6 |
| | 0142 | 0143 | | | | | |
| 581+73 -L- | 0143 | | | | | 44 | |
| | 0143 | OUT | | | | | |
| 583+22 -L- | 0144 | | | | | | |
| | 0144 | 0145 | | | | 19 | |
| 583+42 -L- | 0145 | | | | | 42 | |
| | 0145 | 0146 | | | | | |
| 583+48 -L- | 0146 | | | | | | |
| | 0146 | OUT | | | | | |
| 583+77 -L- | 0147 | | | 0.4500 | | | |
| 584+82 -L- | 0148 | | | | | 35 | |
| SHEET TOTALS | | | | 0.4500 | | 407 | |