STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

| PREPARED IN THE OFFICE OF: KISINGER CAMPO & ASSOCIATES NC FIRM LICENSE No: C-1506 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 (919)882-7839 | PROJECT RE | FERENCE NO. | | SHEET NO. |
|--|------------|-------------|----|--|
| THE OFFICE OF: Suite 1500 KISINGER CAMPO Raleigh, NC 27601 | BR | -0117 | | 3D-I |
| | | | NC | 301 Fayetteville St., Suite 1500 Raleigh, NC 27601 |

UNLESS ALL SIGNATURES COMPLETED

| COMPUTED BY: JRM | DATE: | 12/11/2019 |
|------------------|-------|------------|
| CHECKED BY: EPA | DATE: | 1/6/2020 |

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.

BR-0117 3D-1

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 48 INCHES & UNDER)

| STATION | ON (LT, RT, OR CL)' | STRUCTURE NO. | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) | | | | C.S. PIPE | | | R.C. PIPE CLASS III | | | | R.C. PIPE CLASS IV | | | | RACTOR DESIGN RACTOR DESIGN | | STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) | QUANTITIES FOR DRAINAG | ANTIT DRAIN SUCTUI | | FRAME, | | CONCRETE TRANSITIONAL SECTION | u/ 2 GRATES STD. 840.29 | | . & SIZE | Y. STD. 840.71 | STD. 840.72 | | C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S.) | CATCH BASIN CATCH BASIN NARROW DROP INI DROP INLET GRATED DROP INL (NARROW SLOT) | LET | | | |
|-----------------------|---------------------|-------------------|---------------|------------------|------------------|----------------|--|-----------|-----------|------------------------------|------------|---------|---------|------------------------|---------|------------|--------|-----------------------|-------------------|-----------|-------------|-----------------------------|-------------------|---|---------------------------|--------------------------|-----------|------------------|--------------|-------------------------------|-------------------------|---|--------------------|-------------------|-------------|-----------------|--|---|-----------------|--------------------------|--|----------|
| SIZE | LOCATIC | | | | | 12 | !" 15" 18" 24 | 4" 30" 36 | " 42" 48" | G G | AAP DPE | 12" 15" | 18" 24" | 30" 36" | 42" 48" | 12" 15" 18 | 8" 24" | 30'' 36'' 42 | 2'' 48'' 12'' | 15'' 18'' | 24'' 30'' 3 | 6'' 42'' 48 | s V) | TS, CONT | RTS, CONT | | CU. YARDS | 5.0') | A FT. | . В | STD. 840.0 | | | 35 FRAME V | | BOWS NO | : PLUG, C. | . "B" C.Y. | E E | J.B. M.H. T.B.D.I. | JUNCTION BOX MANHOLE TRAFFIC BEARING | |
| THICKNESS OR GAUGE | | FROM | | | | | | | | DO NOT USE R DO NOT USE C | USE C. | .064 | .064 | 970. | .109 | | | | | | | | " R.C. PIPE (CLAS | ' RC PIPE CULVER | RC PIPE CULVE | SIDE DI | R.C.P. | ER EACH (0' THRU | ' THRU 10.0' | 0' AND ABOVE | 3. STD. 840.01 OR. GRAD | | | 3.D.I. STD. 840.3 | | RAINAGE PIPE EL | NC. & BRICK PIPE | NC. COLLARS CL | PE REMOVAL LIN. | T.B.J.B. | DROP INLET TRAFFIC BEARING JUNCTION BOX | G |
| | | | | | | _ | | | | | | | | - | | | | | | | | | * | * * * | * * | 18 5 | | | 2.0 | 10. | ပြု E F | G | 5 5 1 | <u> </u> | + | ٥ | 8 | 8 | <u> </u> | | REMARKS | _ |
| | + | 401 403 | | 103.9 | 102.3 | | 20 | | | + | | | | -+ | | | | | | | + | | + | | | | | + + | | | | | | 4 4 | | | | - | | | | \dashv |
| L 14+93 | 13 LT | 401 402 404 | 106.6 | 103.9 | 102.3 | | 30 | | | | | | | | | | | | | | + | | ++ | | | ++ | | + 1 | | | | | | 1 1 | | | | | | | | _ |
| L 14+93 | 13 RT | 404 404 | 106.6 | | , 102.3 | -+ | 20 | | + + - | | | | | | | | | | | | + + + | ++ | ++ | | | + | | 1 | | | | | | 1 1 | ++ | | | | | | | \dashv |
| 2 17.33 | 13 1(1 | 104 | 100.0 | 1 | | | | | | | | | | | | | | | | | | | + + | | | | | † † | | | | | | | | | | | | | | |
| SHEET TOTA | LS | | | | | | 40 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 2 | | | | | | | | \Box |

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