

Chapter 8 STANDARD DRAWINGS

A. INDEX

100 SERIES - STREETS & DRAINAGE

- 101A TYPICAL SECTION – LOCAL RESIDENTIAL STREET
- 101B TYPICAL SECTION – LOCAL RESIDENTIAL STREET DITCH TYPE SECTION (WITH SIDEWALK)
- 101C TYPICAL SECTION – LOCAL RESIDENTIAL STREET DITCH TYPE SECTION (NO SIDEWALK)
- 102 TYPICAL SECTION – RESIDENTIAL COLLECTOR STREET
- 103 TYPICAL SECTION – NON-RESIDENTIAL STREETS
- 104A TYPICAL SECTION – CUL-DE-SAC
- 104B TYPICAL SECTION – RESIDENTIAL HAMMERHEAD
- 105A TYPICAL SECTION – ROAD WIDENING
- 105B TYPICAL SECTION – ROAD WIDENING FULL DEPTH OVERLAY
- 106 TYPICAL SECTION – CURB & GUTTER INSTALLATION ALONG EXISTING ROADWAY
- 107A TYPICAL SECTION – RESIDENTIAL ALLEY
- 107B TYPICAL SECTION – GRAVEL ROAD ACCESS
- 108 TYPICAL DRIVEWAY & INTERSECTION LAYOUT
- 109 UTILITY CUT PAVEMENT REPAIR DETAIL
- 110 INTERSECTION SIGHT TRIANGLES
- 111 DRIVEWAY ENTRANCE - RADIUS
- 112 DRIVEWAY ENTRANCE – DROP CURB
- 113 DRIVEWAY ENTRANCE – 2'-0" VALLEY GUTTER
- 114 DRIVEWAY ENTRANCE – TYPE III DRIVEWAY
- 115 CURB AND GUTTER
- 116 CURB TRANSITIONS
- 117 CONCRETE SIDEWALKS
- 118 TRUNCATED DOME DETAILS
- 119 PERPENDICULAR CURB RAMP WITH 2'-6" CURB & GUTTER
- 120 PERPENDICULAR CURB RAMP WITH 2'-0" VALLEY GUTTER
- 121 DIRECTIONAL CURB RAMP WITH SMALL/MEDIUM CURB RADII
- 122 DIRECTIONAL CURB RAMP WITH LARGE CURB RADIUS
- 123 CROSSWALK STRIPING DETAIL
- 124 END OF ROADWAY BARRICADE
- 125 END OF ROADWAY MARKER
- 126A CATCH BASIN FRAME IN VALLEY GUTTER
- 126B VALLEY GUTTER FRAME AND GRATE
- 127 RESIDENTIAL DRIVEWAY PIPE DETAIL FOR DITCH SECTION STREET

- 128A FLARED END SECTION 12" - 72" PIPE
- 128B RIP RAP APRON AT PIPE OUTFALLS
- 129 BRICK DOUBLE CATCH BASIN 15" - 36" PIPE
- 130 OFFSET CATCH BASIN
- 131 GRADING AT DROP INLET
- 132A CULVERT CROSSING ON RESIDENTIAL & COMMERCIAL STREETS
- 132B CULVERT CROSSING ON RESIDENTIAL & COMMERCIAL STREETS
- 133 MEDIAN DIVIDED STREET ENTRANCE

200 SERIES - EROSION CONTROL

- 201 TEMPORARY DRAINAGE AT CATCH BASINS
- 202 TEMPORARY CONSTRUCTION ENTRANCE
- 203 SILT FENCE DETAIL
- 204 SILT FENCE OUTLET DETAIL
- 205 SILT BAG INLET PROTECTION
- 206 THROATED INLET PROTECTION
- 207 HARDWARE CLOTH AND GRAVEL INLET PROTECTION
- 208 TEMPORARY SILT DITCH
- 209 TEMPORARY ROCK CHECK DAM
- 210 TEMPORARY WATTLE CHECK DAM WITH MATTING
- 211 FLARED END SECTION INLET PROTECTION
- 212 CONCRETE WASHOUT PIT

300 SERIES - UTILITIES

- 301 TYPICAL SECTION UTILITY LAYOUT
- 302 OVERLAPPING EASEMENTS SANITARY SEWER-STORM DRAINAGE
- 303 RELATION OF WATER & SEWER MAINS TO STORM DRAINS
- 304 RELATION OF WATER & SEWER MAINS
- 305 CASING SPIDER
- 306 ENCASEMENT PIPES UNDER HIGHWAYS & RAILROADS
- 307 ENCASEMENT PIPES UNDER STREAM CROSSINGS
- 308 ANTI-SEEP COLLAR FOR SEWER/WATER LINES
- 309 EMBEDMENTS FOR MAINS
- 310 DOMESTIC WATER SERVICE DETAIL – ¾" WATER METER CONNECTION W/ 1" TEE FOR IRRIGATION CONNECTION
- 311 DOMESTIC WATER SERVICE PLAN – ¾" WATER METER CONNECTION W/ 1" TEE FOR IRRIGATION CONNECTION
- 312 WATER SERVICE – ¾" WATER METER IRRIGATION CONNECTION

- 313 DOMESTIC WATER SERVICE – 1" WATER METER CONNECTION W/ 1" TEE FOR IRRIGATION CONNECTION
- 314 WATER SERVICE DETAIL – 1" WATER METER CONNECTION
- 315 WATER SERVICE – 1 ½"-2" WATER METER CONNECTION
- 316 WATER SERVICE – 3", 4" & 6" COMPOUND WATER METER AND VAULT
- 317 BACKFLOW PREVENTION – ¾"-2" REDUCED PRESSURE PRINCIPLE ASSEMBLY (RP)
- 318 BACKFLOW PREVENTION – 3"-10" REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)
- 319 BACKFLOW PREVENTION – ¾"-2" DOUBLE CHECK VALVE ASSEMBLY (DCVA)
- 320 BACKFLOW PREVENTION – 3"-10" DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)
- 321 FIRE HYDRANT
- 322 6" FIRE HYDRANT WITH 2 STORZ CONNECTIONS
- 323 WATER SERVICE – TYPICAL FIRE LINE CONNECTION
- 324 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY FOR HYDRANT METERS
- 325 BACKFLOW PREVENTION – BY-PASS CONNECTION FOR FILLING NEW WATER MAINS
- 326 MINIMUM PROTECTION FOR FILLING TANKER TRUCK
- 327 THRUST BLOCK – TEES
- 328 THRUST BLOCK – BENDS
- 329 STANDARD VERTICAL BEND ANCHORS
- 330 DEAD END BLOW-OFF WITH THRUST COLLAR
- 331 TEMPORARY BLOW-OFF ASSEMBLY
- 332 VALVE BOX ADJUSTMENT DETAIL
- 333 STANDARD PRECAST CONCRETE MANHOLE
- 334 DOGHOUSE MANHOLE
- 335 STANDARD DROP-MANHOLE
- 336 STANDARD EXTERIOR-DROP CONNECTION FOR SANITARY SEWER MANHOLE
- 337 STANDARD AIR RELIEF VALVE WITH ASSEMBLY AND MANHOLE FOR WATER LINES
- 338 STANDARD VENT FOR PRECAST CONCRETE MANHOLE
- 339 SEWER TRACER WIRE
- 340 MANHOLE FORCEMAIN CONNECTION
- 341 MANHOLE ADJUSTMENT DETAIL
- 342 PIPE ADAPTER DIP TO PVC
- 343A WASTEWATER SERVICE LATERAL CONNECTION
- 343B WASTEWATER SERVICE LATERAL CONNECTION IN PAVED AREAS
- 344 5" STORZ CONNECTION DETAIL
- 345A WATER QUALITY SAMPLING STATION (1 OF 2)
- 345B WATER QUALITY SAMPLING STATION (2 OF 2)
- 346 ODOR CONTROL FOR SEWER PUMPING
- 347 TEMPORARY FAUCET

- 348 TAPPING SLEEVE AND VALVE
- 349 BACK SIDE TAP 16" AND SMALLER
- 350A STANDARD GRAVITY GREASE INTERCEPTOR
- 350B STANDARD GRAVITY GREASE INTERCEPTOR IN SERIES

400 SERIES - MISCELLANEOUS

- 401 TYPICAL SECTION – GREENWAY TRAIL – ASPHALT
- 402 TYPICAL SECTION – GREENWAY TRAIL – CONCRETE
- 403 BOLLARD
- 404 COLLAPSIBLE BOLLARD DETAIL
- 405 TYPICAL BOLLARD PLACEMENT
- 406 SAFETY RAIL
- 407 SAFETY RAIL WARRANTS
- 408 PARKING STANDARDS
- 409 ACCESSIBLE PARKING & SIGNAGE STANDARDS
- 410 SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P)
- 411 SINGLE DUMPSTER PAD
- 412 DOUBLE DUMPSTER PAD
- 413 DUMPSTER PAD – SECTION WITH CURB
- 414 DUMPSTER ENCLOSURE
- 415 TYPICAL CK RIDER BUS STOP DETAIL
- 416 STUB STREET SIGN DETAIL

B. DRAWINGS

The Kannapolis Standard Drawings shown are to be used for design and construction for projects in the City of Kannapolis. For construction activities not shown by Kannapolis Standard Drawings, NCDOT Standard Drawings shall be used.