

[illegible]

EXISTING	NEW	DESCRIPTION
		BUILDING AND PORCH OR STOOP
		FOUNDATION ONLY
		CONTOUR (INTERVAL INDICATED ON SITE PLAN)
		SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB AND GUTTER
		CONCRETE FLAGSTONE, BRICK WALK
		PAVEMENT-PRIME & DOUBLE SEAL OR AGG BASE
		UNPAVED OR GRAVEL ROADWAY
		TREE LINE
		INDIVIDUAL TREE OR SHRUB
		FENCE AND GATE
		Q OF DITCH OR SWALE
		PROPERTY LINE
		CENTER OR BASELINE
		LIMIT OF WORK LINE
		LIMIT OF SEEDING LINE (IF DIFFERENT FROM L O W LINE)
		FIELD SURVEY TRAVERSE POINT
		TEST BORING
		STORM DRAIN AND ENDWALL
		SANITARY SEWER
		GAS MAIN OR SERVICE LINE
		STEAM SUPPLY AND CONDENSATE RETURN
		GATE VALVE, CURB STOP, ETC; POST INDICATOR VALVE
		PIPE FITTINGS AND REACTION BLOCKING
		FIRE HYDRANT
		WATER MAIN OR SERVICE LINE
		CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		METER (GAS OR WATER)
		UTILITY POLE, GUY AND ANCHOR
		LIGHTING STANDARD
		TURNED DOWN CURB AND LENGTH (STD DET C-5 1)
		DIRECT BURIAL CABLE
		TO BE REMOVED OR RELOCATED
		UNDERGROUND TELEPHONE MARKER
		BURIED TELEPHONE BOX
		PAVED DITCH
		DRIVEWAY CUVERT
		CULVERT W/ FLARED END SECTION
		IRON PIN OR PINCH PIPE
		POWER LINES
		UNDER GROUND TELEPHONE CABLE
		EROSION CONTROL STONE
		STRAW BALES & SILT TRAP

AS BUILT

MAY 1992

1. Concrete minimum compressive strength shall be $F'_{C} = 3500$ PSI.
2. Reinforcing bars shall be ASTM A615, Grade 40 minimum.
3. All concrete work shall conform to the requirements of ACI 350, concrete sanitary engineering structures and to the detailed recommendations given in ACI 301, specifications for structural concrete for buildings.
4. Unless otherwise shown, provide concrete protection for all reinforcing in accordance with Section 7.7, ACI 318-77, Building Code Requirements for reinforced concrete:
 - A. Concrete cast against earth - 3"
 - B. Formed concrete exposed to earth, water or weather - 2"
 - C. Other walls (Formed) - $1\frac{1}{2}$ "
5. All concrete and reinforcing bar installation, bends, laps, ties, embedments, etc., not specifically mentioned or called out shall be accomplished in accordance with the standards of the American Concrete Institute Publications ACI 318-77, ACI 315-74, and ACI 301-72 (REV. 75).
6. Unless otherwise shown, reinforcement at wall corners and intersections shall be in accordance with the details shown in ACI 315-74.
7. Reinforce all concrete walls, not otherwise shown, as follows:

8 inches or less	#4 @ 10 EW
10 inches	#4 @ 8 EW
12 inches	#4 @ 12 EW, EF

Note: Add 2 #5 continuous at the top of all walls.
8. Stainless steel plates, strips and bars shall conform to ASTM A-264 for the types and thicknesses indicated.
9. Stainless steel anchor bolts shall conform to ASTM 320, Type 316 unless otherwise indicated.
10. All joints in siphon inlet and outlet structures shall have water-stops. Waterstop shall be continuous strips of extruded or molded rubber of polyvinyl chloride conforming to Corps of Engineers specifications CRD-G-513 or CRD-G-572.
11. Topographic survey taken from survey by Buford T. Lumsden & Associates, dated March, 1980.
12. Where exst pipes enter new manholes, the portion of the bench under the exst pipe shall be filleted to provide a smooth drop into the manhole.

TYPICAL TRENCH DETAIL
NO SCALE

REVISION	DATE	DESCRIPTION	BY	APP.
DESIGNED	MTA	TINKER CREEK SANITARY SEWER INTERCEPTOR ABBREVIATIONS & LEGEND CITY OF ROANOKE, VIRGINIA		
DRAWN	MTA			
CHECKED				
APPROVED	JWC			
SUBMITTED	MM			

Mattern and Craig CONSULTING ENGINEERS	<table style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">SCALE: NONE</td><td style="width: 50%;">COMM. NO. 347</td></tr><tr><td>DATE: OCT 1980</td><td>SHEET 4</td></tr></table>	SCALE: NONE	COMM. NO. 347	DATE: OCT 1980	SHEET 4
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