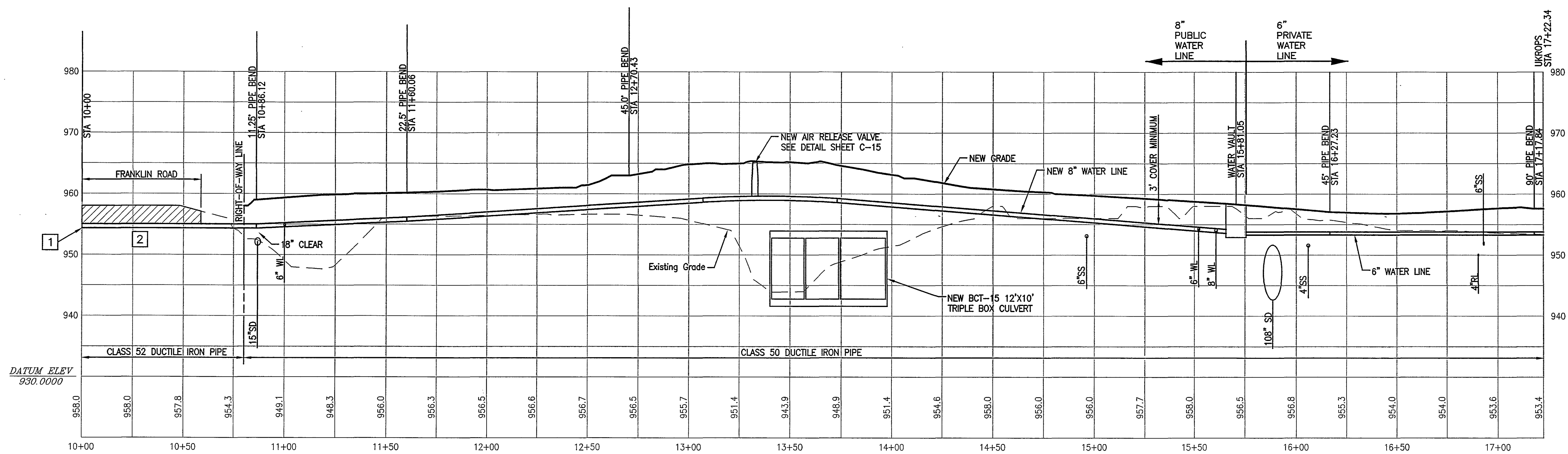




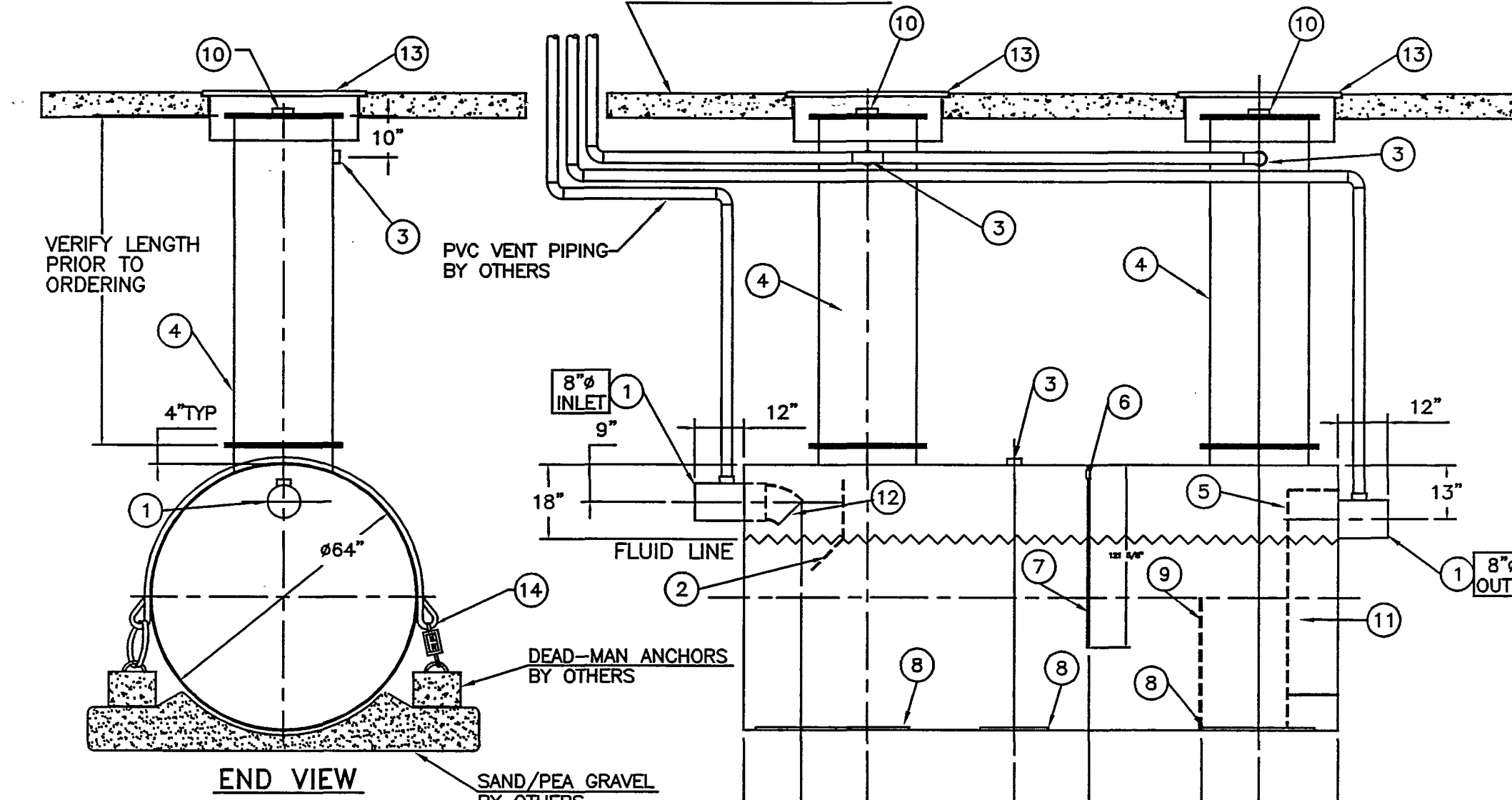
8" WATER LINE

KEYNOTES:

- CONTRACTOR TO PROVIDE TAPPING SLEEVE AND VALVE PER WESTERN VIRGINIA WATER AUTHORITY STANDARD DETAIL. WESTERN VIRGINIA WATER AUTHORITY TO TAP MAIN. SITE CONTRACTOR TO EXTEND LINE FROM TAP AS SHOWN HEREON.
- OPEN CUT IN PAVEMENT. SEE UTILITY TRENCH REPAIR IN PAVEMENT DETAILS (UTR-1 AND UTR-2) ON SHEET C-15. ALL EXCAVATION AND RESTORATION SHALL CONFORM TO CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS DATED DECEMBER 1, 2004.

GENERAL SPECIFICATIONS

NO. REQ'D:
CAPACITY: 2,000 GALLONS
TYPE: UNDERGROUND, SINGLE WALL,
DOUBLE BASIN PASSIVE GREASE INTERCEPTOR
MATERIAL: MILD CARBON STEEL
GREASE CAPACITY: 9892 LBS.
GAUGE:
SHELL- 7GA
HEADS- 7GA
SURFACE PREP:
SSPC NO.6 BLAST ALL EXTERIOR SURFACES
SSPC NO.10 BLAST ALL INTERIOR SURFACES
COATING:
EXTERIOR- MATERIAL THICKNESS
POLYURETHANE (75 MILS)
INTERIOR- POLYURETHANE (15 MILS)



NOTE:
ALL RIGHTS RESERVED. THIS DRAWING OR ANY PART THEREOF MUST NOT BE REPRODUCED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF HIGHLAND TANK.
HIGHLAND TANK SHALL BE RESPONSIBLE ONLY FOR ITEMS INDICATED ON THIS FABRICATION DRAWING UNLESS OTHERWISE NOTED. CUSTOMER IS RESPONSIBLE FOR VERIFYING CORRECTNESS OF SIZE / LOCATION OF FITTINGS, ACCESSORIES & COATINGS SHOWN ON THIS DRAWING

ELEVATION



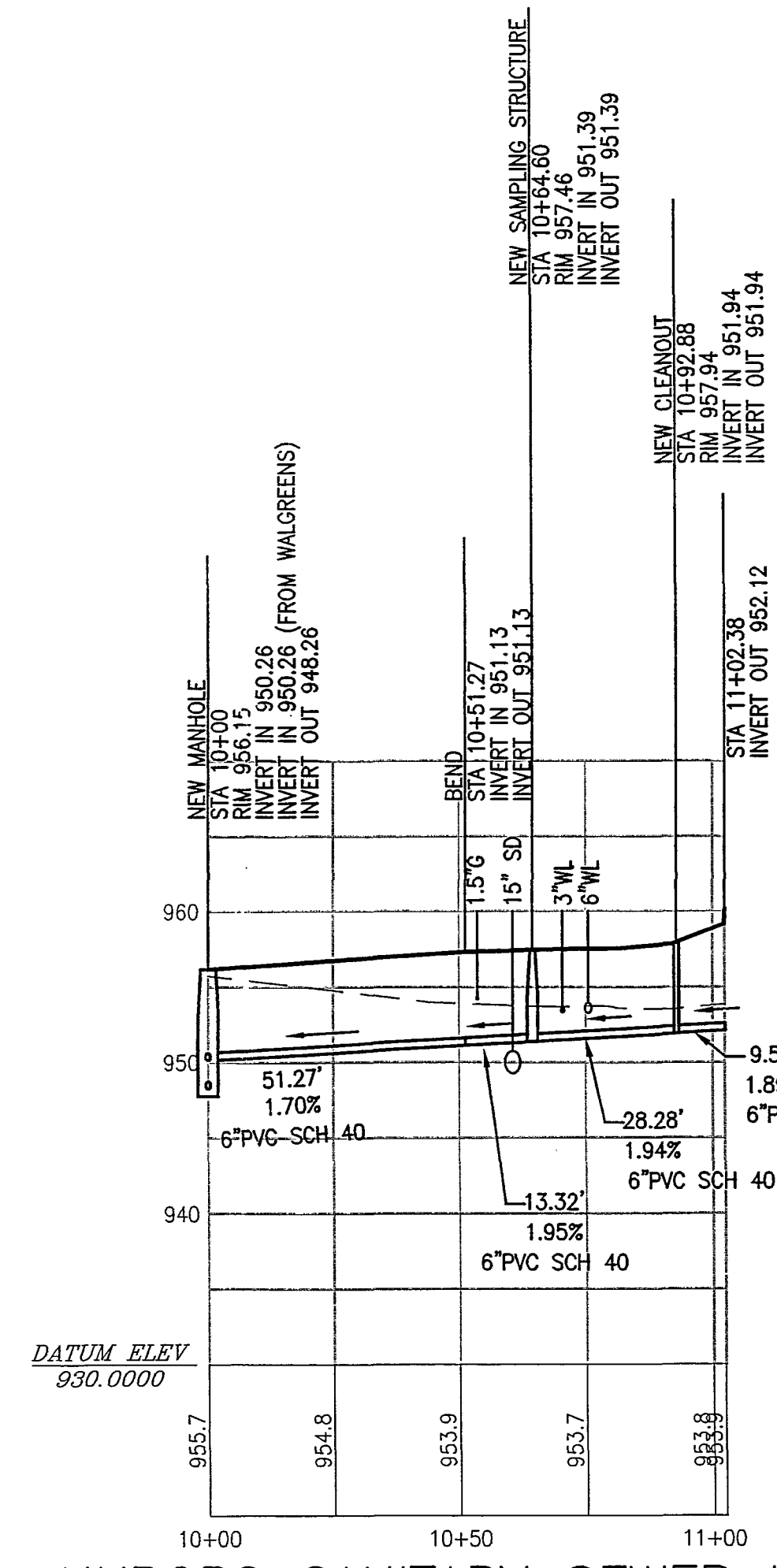
PROVIDED EQUIPMENT

- 8" PIPE STUB 6" LONG W/ 2"NPT VENT
- STEEL DIFFUSION BAFFLE
- 3" NPT FITTING FOR VENT
- 24" MANWAY W/ EXTENSION (AS REQUIRED)
SHIPPED LOOSE (CONTRACTOR TO VERIFY LENGTH PRIOR TO ORDER)
- OUTLET BAFFLE W/ OPEN TOP FOR EFFLUENT SAMPLING
- 2" THRU HOLE FOR VENT
- GREASE DAM (7 GA.)
- STRIKER PLATES
- SLUDGE BAFFLE (7 GA.)
- 4" NPT FITTING FOR GAUGE
- STEEL OUTLET DOWNCOMER
- 8" STEEL INLET 45° ELBOW
- 36" H-20 RATED GRADE MANWAY
- NYLON HOLD-DOWN STRAPS W/ TURNBUCKLE CLAMPS & WIRE ROPE. LOCATED BY INSTALLER

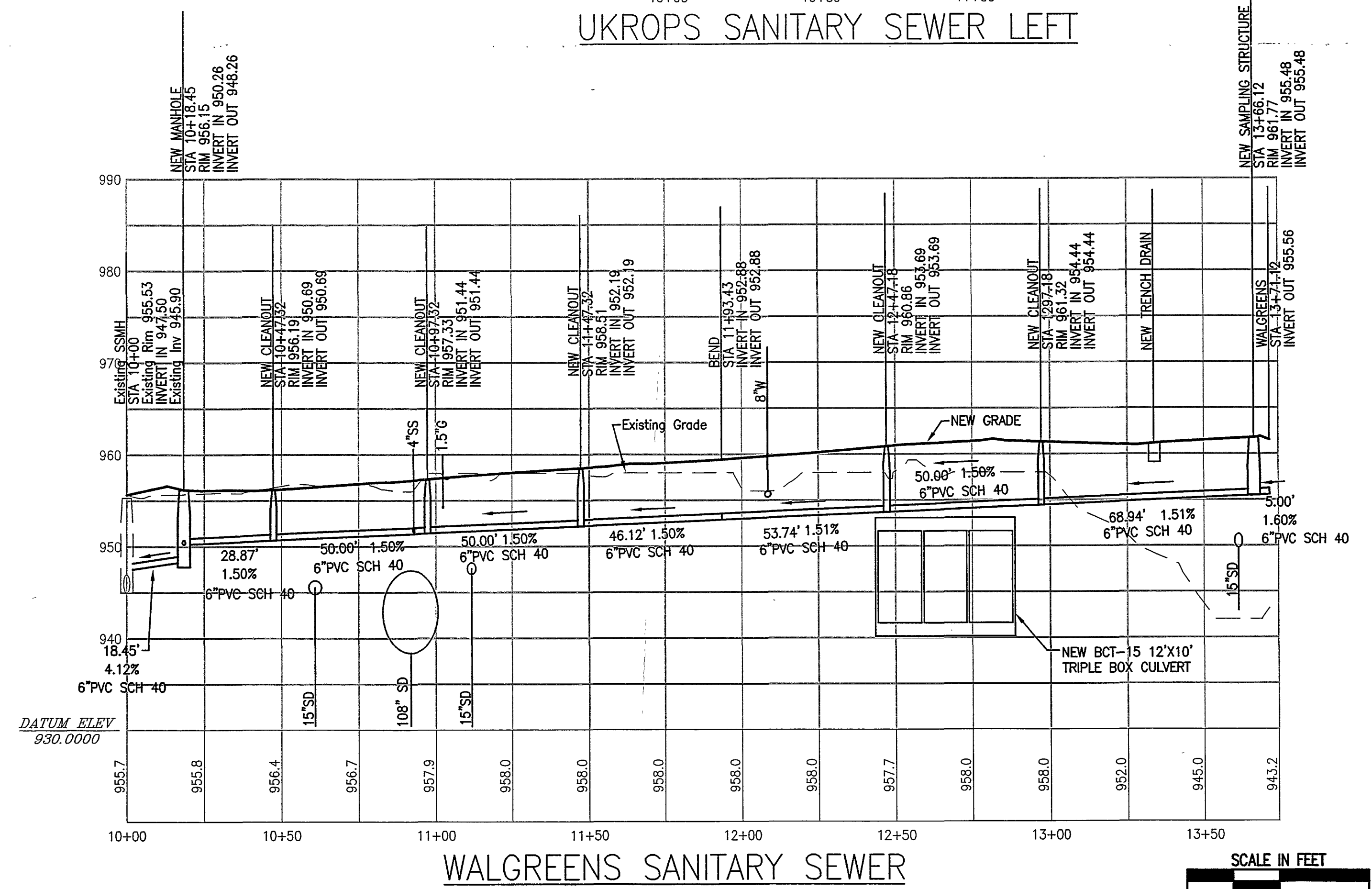
NOTES:

- EXCAVATE TO REQUIRED DEPTH
- THE EXCAVATION SHALL BE FREE FROM ANY HARD OR SHARP MATERIAL THAT MAY CAUSE DAMAGE TO INTERCEPTOR COATING
- THE BOTTOM OF EXCAVATION SHALL BE COVERED WITH BACKFILL OF FINE OR PEA GRAVEL/CLEAN SAND OR #8 CRUSHED STONE (NO.8 COARSE AGGREGATE ASTM-448) TO A DEPTH OF ONE FOOT SUITABLY GRADED AND LEVELED.
- LOCATE DEAD-MEN ANCHORS & HOLD-DOWN STRAPS PER INSTALLATION DRAWING. THE INTERCEPTOR SHALL NOT BE PLACED ON DEADMAN ANCHORS OR ANY OTHER HARD OR SHARP MATERIAL THAT CAN CAUSE DEFORMATION OR DAMAGE OF THE INTERCEPTOR.
- INTERCEPTOR MUST BE INSTALLED IN A LEVEL OR PLUMB POSITION. CHECK ELEVATION AT EACH END OF INTERCEPTOR WITH A TRANSIT AND ADJUST AS NECESSARY TO 1/2" IN 20'-0". CHECK ELEVATIONS ACROSS THE DIAMETER OF THE INTERCEPTOR TANK & ADJUST TO 1/4" IN 10'-0"
- BACKFILL SHALL BE INSTALLED AROUND THE ENTIRE INTERCEPTOR TO CREATE A UNIFORM HOMOGENEOUS ENVIRONMENT
- SPECIAL CARE SHALL BE TAKEN WHEN INSTALLING BACK-FILL ALONG THE BOTTOM SIDES OF THE INTERCEPTOR TANK TO ENSURE THAT THE INTERCEPTOR IS FULLY & EVENLY SUPPORTED AROUND THE BOTTOM QUADRANT. HAND PACKING OR TAMPING SHOULD BE DONE CAREFULLY AS TO AVOID DAMAGING THE COATING ON THE INTERCEPTOR
- THE BACK FILL SHALL BE PLACED CAREFULLY AROUND THE INTERCEPTOR TO THE TOP OF THE TANK
- FILL INTERCEPTOR WITH CLEAN WATER BALLAST. AFTER BALLASTING IS COMPLETE, CHECK ELEVATIONS FOR PROPER TOLERANCES
- ATTACH INLET/OUTLET PIPE. INLET/OUTLET INVERTS HAVE BEEN ESTABLISHED IN THE FACTORY - DO NOT MODIFY
- ATTACH INTERCEPTOR TANK MANWAY EXTENSIONS, TAKING CARE NOT TO DAMAGE MANWAY GASKETS BETWEEN MANWAY NECKS & EXTENSIONS
- INSTALL VENT LINES FROM INTERCEPTOR TANK INLET/OUTLET TEES AND MANWAYS TO ATMOSPHERE. THE INTERCEPTOR INLET/OUTLET & MANWAYS ARE TO BE VENTED INDEPENDENTLY FROM ONE ANOTHER. MANWAYS ONLY MAY BE MANFOLDED TOGETHER AS ONE COMMON VENT TO GRADE LEVEL
- INSTALL MANWAY FRAME & GRADE LEVEL COVERS
- IF REQUIRED REINFORCED CONCRETE SLAB AT GRADE IN TRAFFIC AREAS.

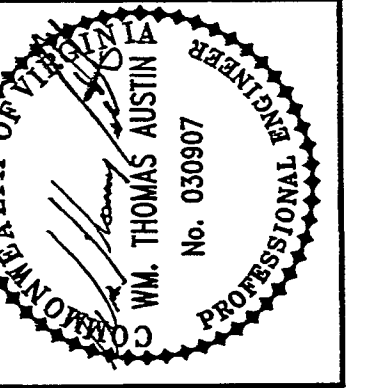
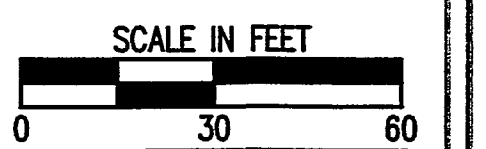
UKROPS SANITARY SEWER RIGHT



UKROPS SANITARY SEWER LEFT



WALGREENS SANITARY SEWER



Revisions	Date
1. FINAL CITY OF ROANOKE REVIEW	11/15/05

Issue Date:	OCTOBER 25, 2005
Drawn By:	CZY
Designed By:	RSB/CZY/WJA
Checked By:	WJA
Date:	10/25/2005

Matthew & Craig
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SITE DEVELOPMENT PLANS
BY MARKET - PHASE I
WATER AND SEWER PROFILES
CITY OF ROANOKE, VIRGINIA

Vertical Scale:	1" = 10'
Horizontal Scale:	1" = 30'
Commission No.	2384
Sheet No.:	C-11

SHOWN FOR REFERENCE ONLY
(NOT IN SITE CONTRACT)

GREASE INTERCEPTOR DETAIL
N.T.S.