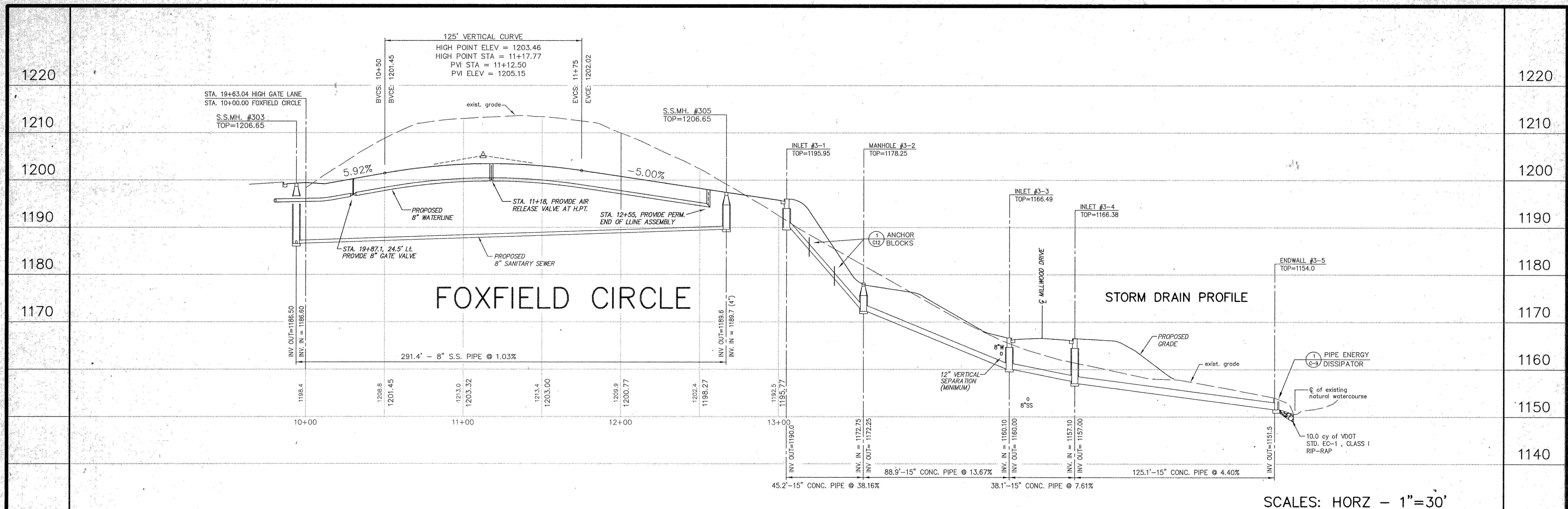
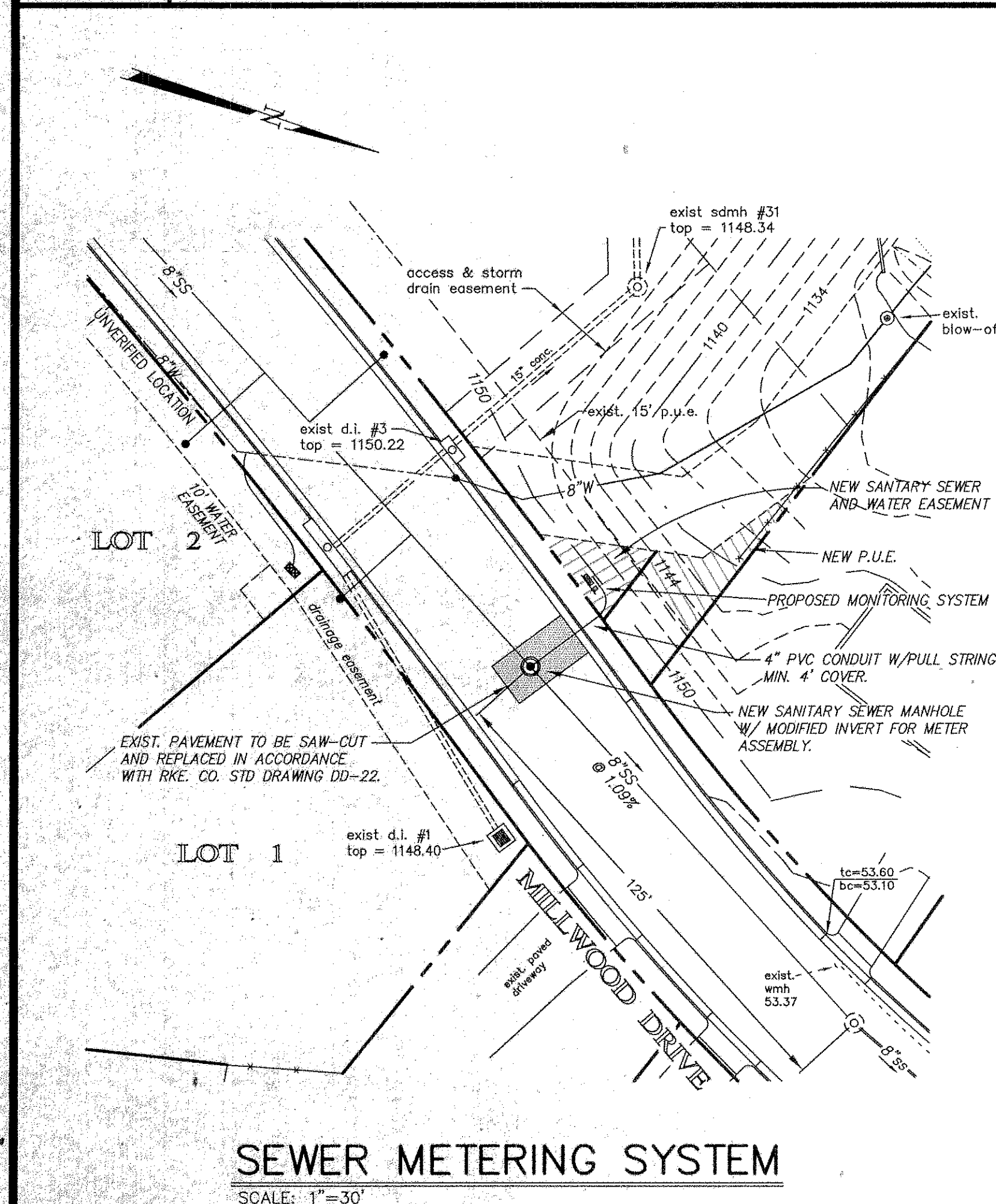




SCALES: HORZ - 1"=30'
VERT. - 1"=10'



SEWER METERING SYSTEM
SCALE: 1"=30'

COUNTY OF ROANOKE REQUIREMENTS:

SHOP DRAWINGS SHALL BE SENT TO MR. LARRY BOONE, COUNTY OF ROANOKE UTILITY DEPARTMENT FOR ALL COMPONENTS OF THE SEWER METERING STATION PRIOR TO INSTALLATION.

BYPASS PUMPING OF THE SEWAGE FLOW FOR THE EXISTING SANITARY SEWER MAIN DURING INSTALLATION OF THE MANHOLE SHALL BE PER THE CONDITIONS OF THE ROANOKE COUNTY WATER AND SEWER REGULATIONS, LATEST EDITION.

MANHOLE REQUIREMENTS:

NEW STRADDLE MANHOLE TO BE INSTALLED IN ACCORDANCE WITH RKE. CO. STD. DD-02 DRAWING. BASE SECTION TO INCORPORATE ONE (1) PLASTI-FAB 8" FIBERGLASS PALMER-BOWLUS FLUME, WITH INTERGRAL APPROACH AND STAINLESS STEEL ULTRASONIC SENSOR STAND AND SAFETY GRATING. OVERALL LENGTH IS APPROXIMATELY 33' AND A FLOW CAPACITY OF APPROXIMATELY 310 GPM.

THE MANHOLE RISER SECTION SHALL INCLUDE PROVISIONS (BOOT) TO INSTALL A 4" PVC CONDUIT APPROXIMATELY 2.5' ABOVE THE POURED BENCH.

MONITORING SYSTEM:

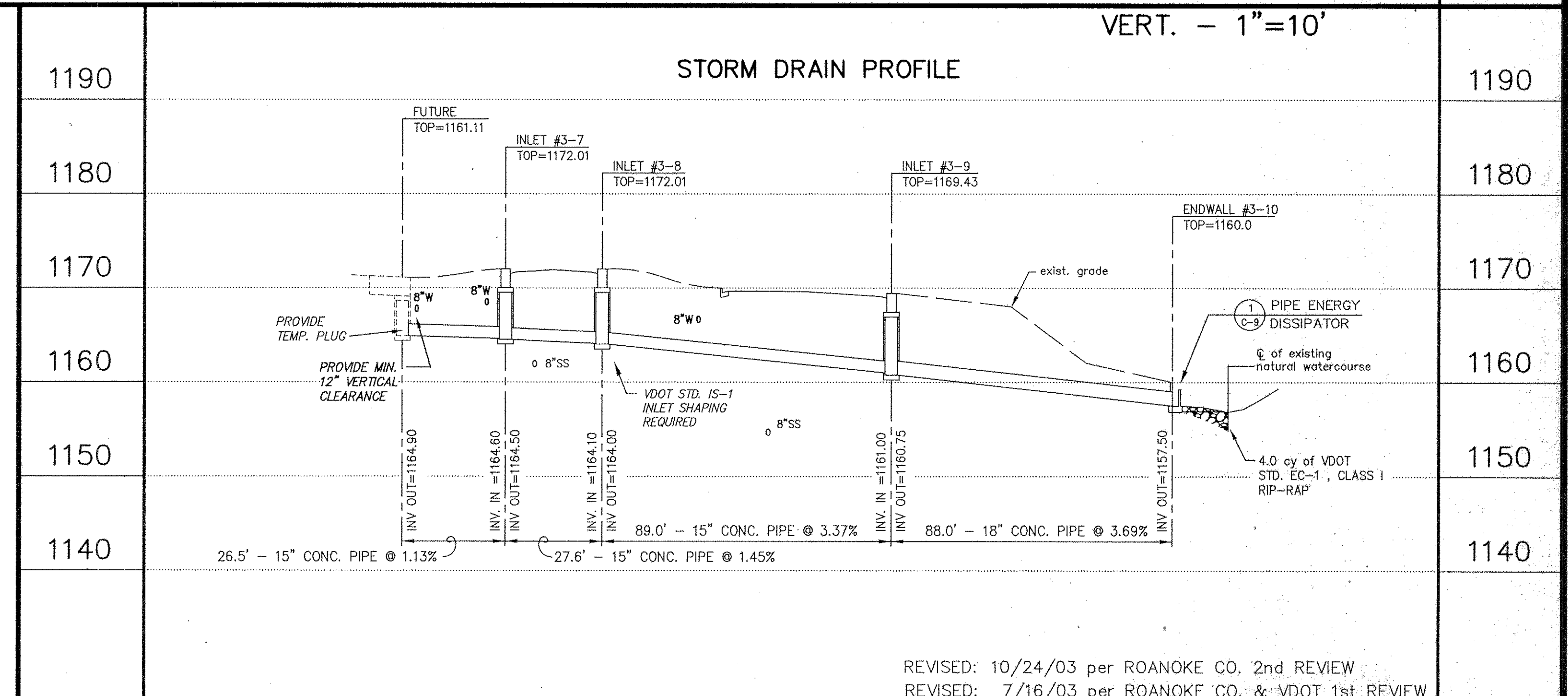
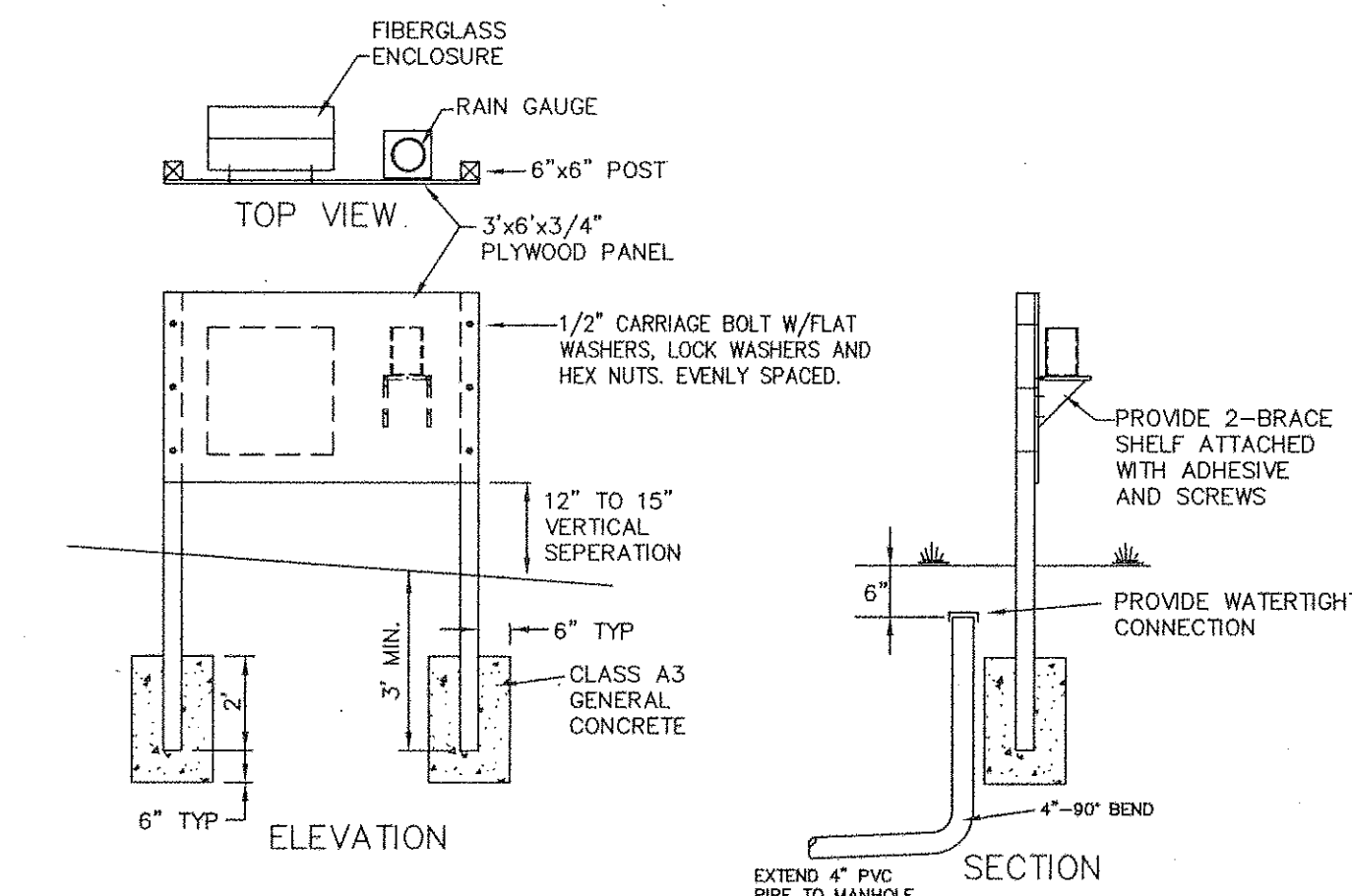
PROVIDE ONE (1) ISCO MODEL 4210 ULTRASONIC FLOW METER WITH BUILT-IN PRINTER/PLOTTER, WITH MODEL 914 BATTERY-BACKED POWER PACK, WITH MEMORY EXPANSIONS, WITH THREE (3) INTERNAL 4-20 mA DC OUTPUT SIGNALS, WITH MECHANICAL FLOW TOTALIZER PAGED BY SAMPLER PACING CONTROLS, AND WITH 25' SENSOR EXTENSION CABLE (50' TOTAL EXTENSION).

SYSTEM TO BE INSTALLED IN ONE (1) 24"x20"x12" NEMA 4X FIBER-GLASS ENCLOSURE, WITH ALUMINUM BACK PLATE AS PROVIDED BY ALLIED MOULDED PRODUCTS, INC. MODEL No. AM24200RL.

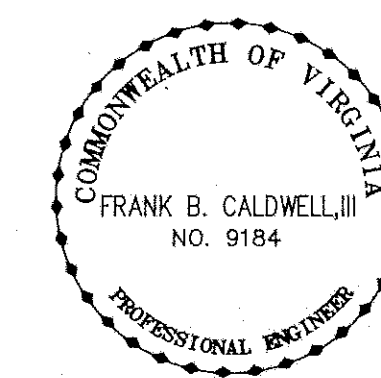
PROVIDE ONE (1) ISCO MODEL 674 TIPPING BUCKET RAIN GAUGE.

INSTALL MONITORING SYSTEM ON A PRESSURE TREATED LUMBER FRAME AS INDICATED BELOW, ALL WOOD SHALL BE PAINTED FOREST GREEN PRIOR TO INSTALLATION OF SYSTEM. ALL MOUNTING HARDWARE SHALL BE HOT DIPPED GALV. OR NICKEL-CHROME.

INSTALLER SHALL COORDINATE WITH AMERICAN ELECTRIC POWER COMPANY TO PROVIDE 115 VAC ELECTRICAL SERVICE TO THE ENCLOSURE. A SURGE PROTECTION SYSTEM IS REQUIRED AND THE SYSTEM SHALL BE GROUNDED WITH A MINIMUM 8" GROUNDING ROD.



REVISED: 10/24/03 per ROANOKE CO. 2nd REVIEW
REVISED: 7/16/03 per ROANOKE CO. & VDOT 1st REVIEW



ROAD & UTILITY PROFILES
**FOXFIELD at
RUSSLER FARMS**
SECTION 2
CATAWBA-MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

Designed: J.V. Judy
Drawn: J.V. Judy
Checked: F.B. Caldwell
Revised: Aug. 29, 2002
Scale: 1"=30'
Tax Parcel: 56.03-2-43
N.O. #: 01-0090

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE, N.W.
Post Office Box 6260
ROANOKE, VIRGINIA 24012
Telephone: (844) 386-3400 Fax: (844) 386-8702
EMAIL: CWA@ROANOKE.COM AOL.COM