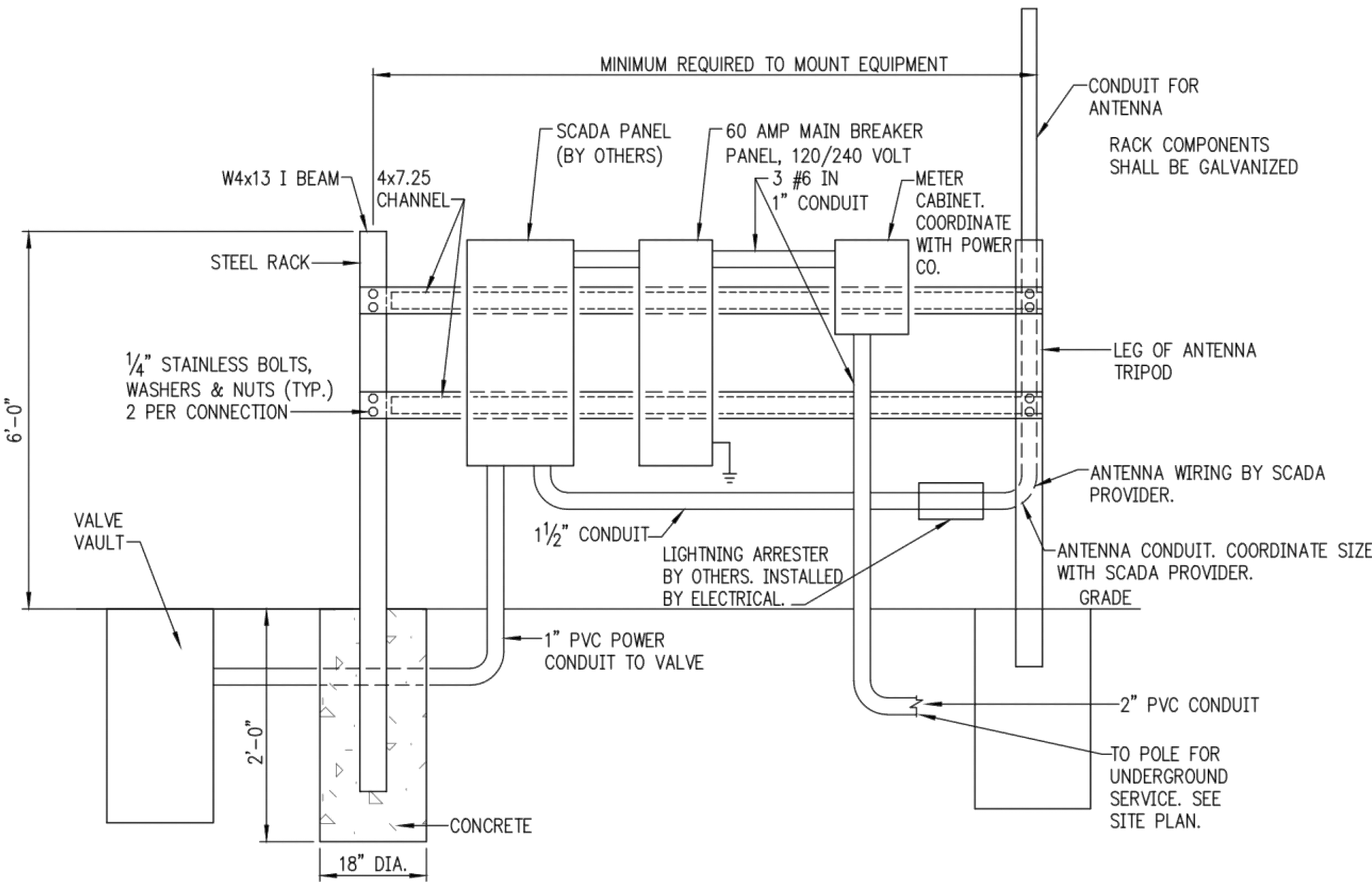
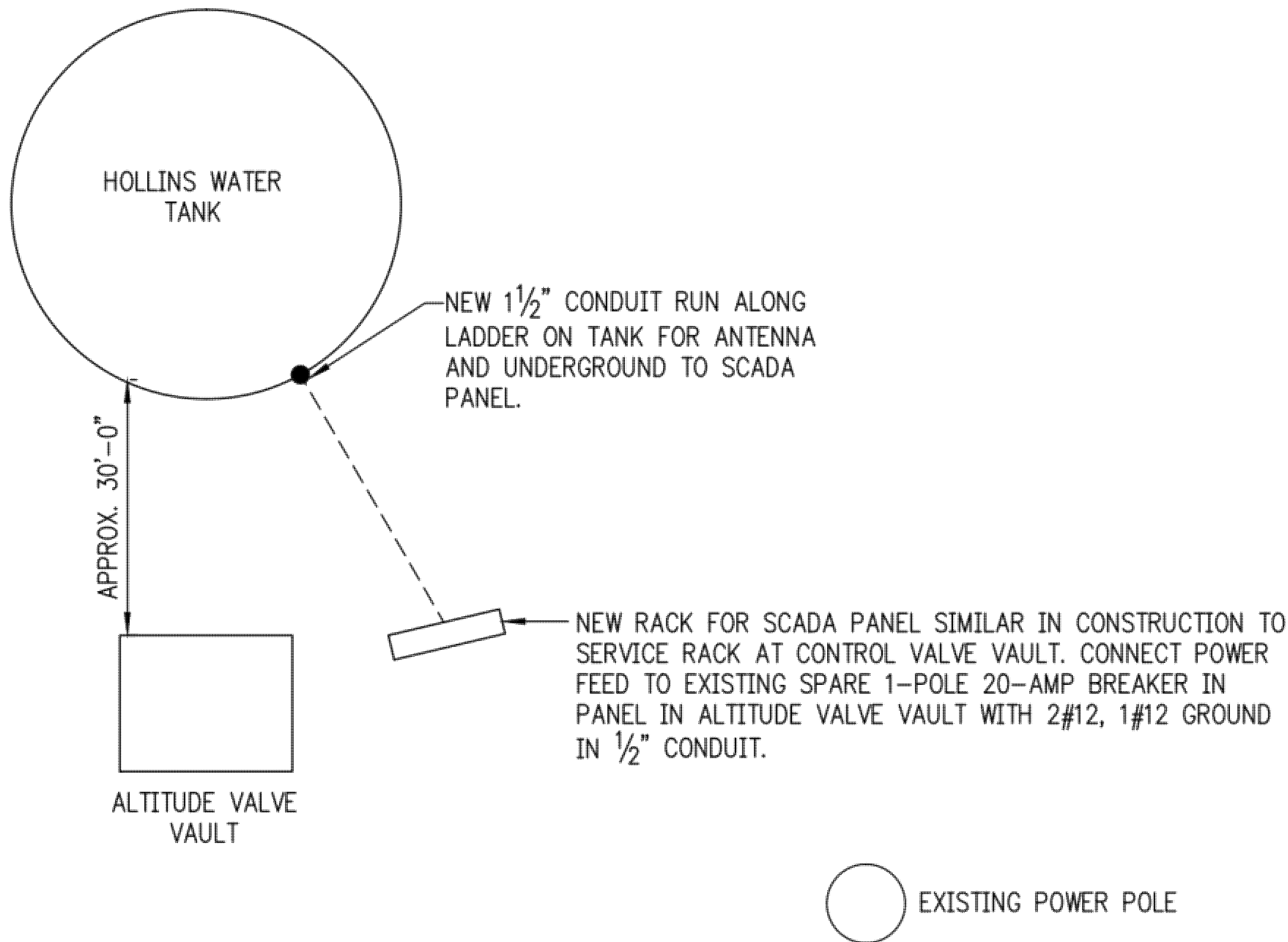


CONTROL VALVE VAULT SITE PLAN – ELECTRICAL
SCALE: 1" = 30'-0"



SERVICE RACK DETAIL – CONTROL VALVE VAULT
NO SCALE



SITE PLAN SCHEMATIC – HOLLINS TANK
NO SCALE

ELECTRICAL SPECIFICATIONS:

- SCOPE OF WORK:** Provide supervision, labor, material, equipment, machinery, plant and other items necessary for a complete and operable electrical system.
- STANDARDS AND CODES:** The materials and equipment shall be new and listed by Underwriters Laboratories, Inc. The installation shall be in accordance with the 2005 NFPA-70 (National Electric Code, or NEC). Workmanship shall meet the "Standards of Installation" as published by the National Electrical Contractors Association (NECA).
- PERMITS AND FEES:** Obtain permits, bonds, licenses and inspection certificates. Pay inspection fees and taxes. File plans and prepare documents required to obtain approvals of governmental departments having jurisdiction. Utility connection charges will be paid by the Owner.
- CONDUIT:** Provide Schedule 40 PVC conduit underground. Where not underground provide IMC or RGS conduit.
- JUNCTION AND PULL BOXES:** Provide junction, and pull boxes as required by the NEC. Boxes shall be steel.
- WIRING:** Provide copper conductors, THHN or THWN, 600 volt.
- GROUNDING:** Provide an equipment grounding system installed to metallic structures, enclosures, raceways, junction boxes, pull boxes, and other conductive items in close proximity to electrical circuits. All branch and feeder circuits shall include a green grounding conductor. Provide ground bus in panelboard. Provide system ground in accordance with NEC Article 250.

NOTE:
CONTRACTOR SHALL VISIT BOTH
SITES PRIOR TO SUBMITTING BID.

Lawrence Perry & Associates, Inc.

Mechanical and Electrical Engineers

30 W. Church Avenue

Roanoke, Virginia 24011

Ph: (540) 342-1816

Fax: (540) 344-3410



REVISION	DATE

CLOVERDALE WATERLINE EXTENSION

BOTETOURT COUNTY, VIRGINIA

SITE PLAN AND SERVICE RACK DETAIL - ELECTRICAL

DESIGNED WDC	DRAWN CAD
CHECKED WDC	APPROVED LPA
COMM. NO. 11101.23	DATE 11-29-11
SHEET E1	