



*** CAUTION ***
THE UTILITIES SHOWN ARE FOR CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, DIMENSION AND ELEVATION OF ALL UNDERGROUND UTILITIES. MSA, P.C. ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN ON THE PLANS OR LACK THEREOF. THE CONTRACTOR IS RESPONSIBLE FOR HIRING A PROFESSIONAL SUBSURFACE UTILITY LOCATOR FOR FIELD VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. ANY DISCREPANCIES IN REFERENCED HORIZONTAL LOCATIONS, ELEVATIONS, DIMENSIONS OR DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

STORM SEWER SCHEDULE

- (A22) CATCH BASIN
RIM=192.87
INV(N)=175.29
INV(S)=175.23
- (A22) TO (A23) 146' - 36" RCP @ 2.18%
- (A23) NCDOT STD' MANHOLE
RIM=175.25
INV(N)=172.04
INV(S)=167.04
- (A23) TO (A24) 140' - 36" RCP @ 12.44%
- (A24) PRECAST CONCRETE ENDWALL
INV=149.60
- (B1) NCDOT STD' CONCRETE DROP INLET
RIM=186.91
INV=183.47
- (B1) TO (B2) 27' - 15" RCP @ 1.00%
- (B2) NCDOT STD' CONCRETE CATCH BASIN
RIM=186.80
INV=177.20
- (B2) TO (B3) 36' - 24" RCP @ 16.11%
- (B3) PRECAST CONCRETE ENDWALL
INV=171.40
- (C1) STORM MANHOLE
RIM=183.99
INV(SW)=176.56
INV(NE)=162.89
- (C1) TO (C2) 120' - 18" TERRACOTTA @ 9.92%
- (C2) NCDOT STD' MANHOLE
RIM=152.75
INV(SW)=150.99
INV(NE)=145.60
- (C2) TO (C3) 10' - 18" RCP @ 5.00%
- (C3) PRECAST CONCRETE ENDWALL
INV=145.10

N/F
THE UNITED STATES OF AMERICA
(DB 409, PG 300)
(PB 15, PG 26)(PB 86, PG 35)
PARCEL ID: 0438-77-0262

NOTE: THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A CERTIFIED ELECTRICAL DESIGNER AS NECESSARY TO RELOCATE THE LIGHT POLE AND ELECTRICAL BOX IN ACCORDANCE WITH THE LATEST VAMC SPECIFICATIONS AND STANDARDS AND SHALL INCLUDE THE COST IN THEIR BASE BID.

SCALE: 1 INCH = 25 FT

Revisions	Date			MSA, P.C. Environmental Sciences • Planning • Surveying Civil & Environmental Engineering • Landscape Architecture 5033 Rouse Drive, Virginia Beach, VA 23462 757-490-9264 (Ofc) 757-490-0634 (Fax) www.msaonline.com		McEntire Design ARCHITECTS 1001 WEST WASHINGTON STREET SUFFOLK, VIRGINIA 23434 phone 757-923-9800 fax 757-923-9830		FAYETTEVILLE DEPARTMENT OF VETERANS AFFAIRS	Drawing Title	Project Title	Date	
									STORM SEWER & ROAD IMPROVEMENT PLAN	STORMWATER STRUCTURE REPAIR	10/11/13	
									Building Number	Checked GBH	Drawn MSA	Project No. 565-13-119
									Location VAMC, FAYETTEVILLE, NORTH CAROLINA	DRAWING NO. C5.1		DWG. 9 of 15

Department of Veterans Affairs