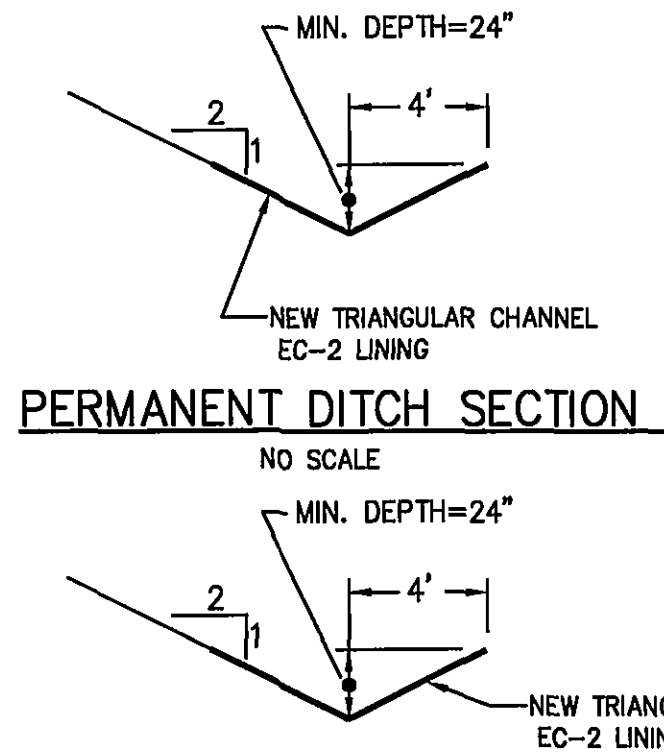


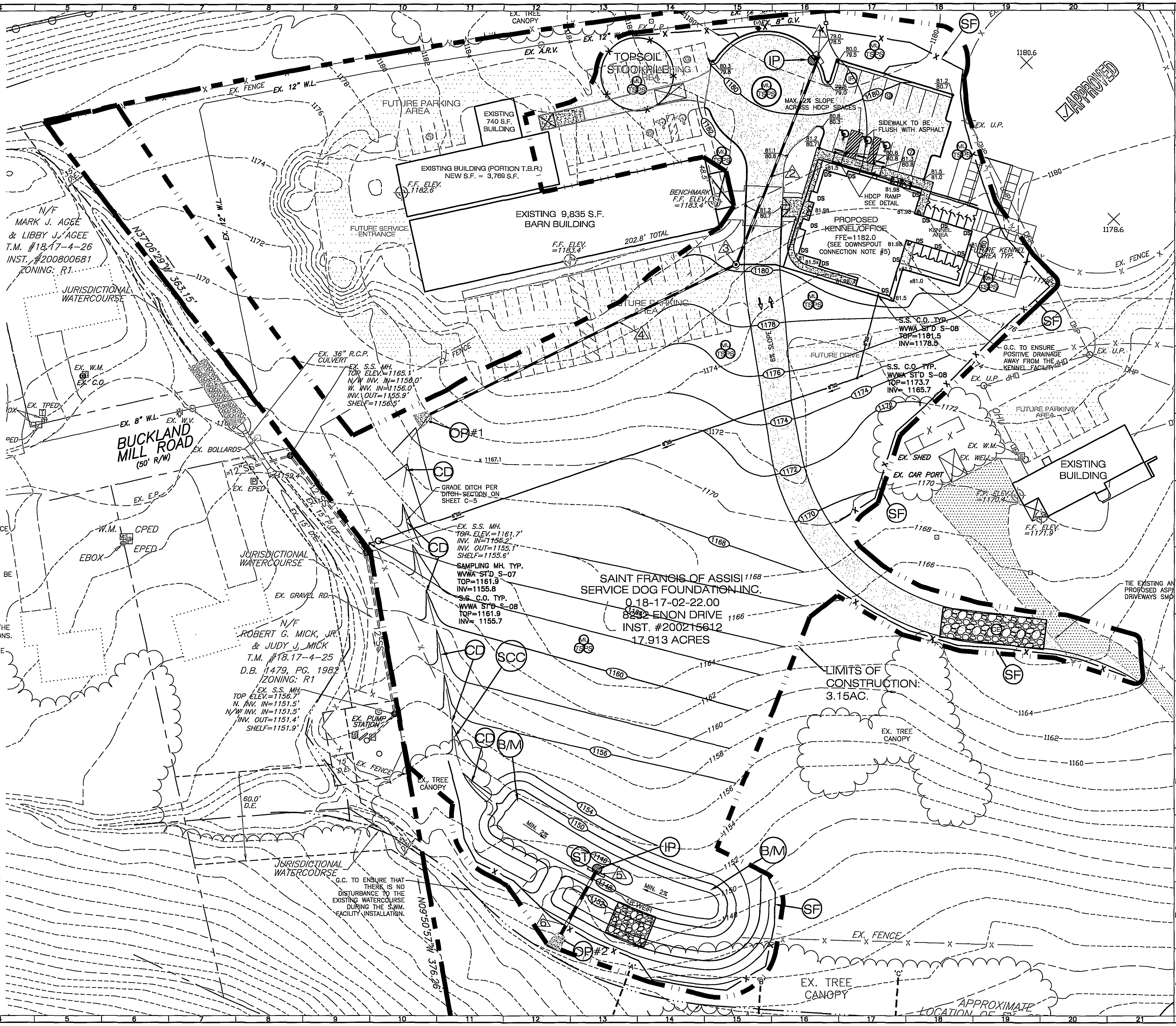
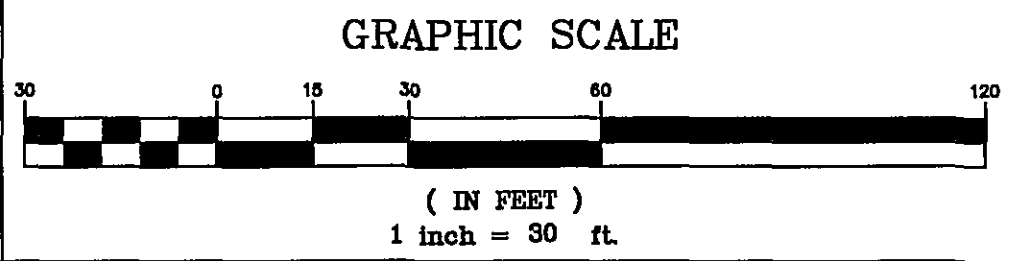
3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
3.05	SILT FENCE	SF
3.07	STORM DRAIN INLET PROTECTION	IP
3.18	OUTLET PROTECTION	OP
3.35	MULCHING	MU
3.32	PERMANENT SEEDING	PS
3.31	TEMPORARY SEEDING	TS
3.13	SEDIMENT TRAP	ST
3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M
3.20	ROCK CHECK DAMS	CD
3.17	STORMWATER CONVEYANCE CHANNEL	SCC



- GRADING & E&S NOTES:**
1. THE MINIMUM SLOPE AWAY FROM THE PROPOSED KENNEL/OFFICE FACILITY SHALL BE 5% FOR A MINIMUM OF 10'.
 2. G.C. SHALL PROVIDE A SMOOTH TRANSITION BETWEEN THE PROPOSED ASPHALT DRIVEWAY AND EXISTING SHOULDER.
 3. ALL UTILITIES BEING INSTALLED IN UNDEVELOPED AREAS SHALL BE CONSTRUCTED AND SURFACE CONDITIONS REPAIRED TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
 4. BENCHMARK EXISTING BARN BUILDING ELEV.: 1183.4'
 5. ALL DOWNSPOUTS FROM THE BUILDING SHALL CONNECT INTO THE STORM SEWER SYSTEM WITH A MIN. OF 6" HDPE PIPE CONNECTIONS.
 6. NOTE STORMWATER MANAGEMENT AND STORMWATER QUALITY ARE SUBJECT TO ADDITIONAL RESTRICTIONS REGARDING FUTURE DEVELOPMENT. DIRECT RUNOFF FROM A POST DEVELOPED SITE IS NOT ALLOWED UNDER THE WATER QUALITY REGULATIONS UNLESS OTHERWISE SPECIFIED SUCH AS A SITUATION 3, ETC.
 7. THERE SHALL BE NO DISTURBANCE TO THE ONSITE CREEKS OR EXISTING POND.

STORM STRUCTURE SCHEDULE:

1. VDOT ST'D DI-3C (8" THROAT)
TOP=1179.00
INV OUT=1174.00
2. 150 LF OF 15" HDPE PIPE AT 1.75%
3. VDOT ST'D MH-1
TOP=1177.5
INV IN=1171.35
INV OUT=1171.25
4. 229 LF OF 15" HDPE PIPE AT 1% (W/ END SECTION)
INV OUT=1168.95
5. VDOT ST'D EW-1 24" CONC. HEADWALL WITH 8.5" ORIFICE PLATE & TRASH RACK
TOP=1148.5
INV=1145.5
6. 50 LF OF 24" RCP WITH RUBBER GASKETS/WATERTIGHT JOINTS AT 1% (W/ END SECTION)
INV OUT=1145.0



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COMMONWEALTH OF VIRGINIA
CANTON JAMES SCHAEFER
Lic. No. 45225
4-15-09
PROFESSIONAL ENGINEER

SAINT FRANCIS SERVICE DOGS
GRADING & ESC PLAN
HOLLINS
ROANOKE COUNTY, VIRGINIA

DRAWN BY BTC
DESIGNED BY BTC
CHECKED BY SMH
DATE 2-8-09
SCALE 1"=30'

REVISIONS:
3-6-09
3-27-09
4-15-09

SHEET NO.
C-5
JOB NO. R0500037.00