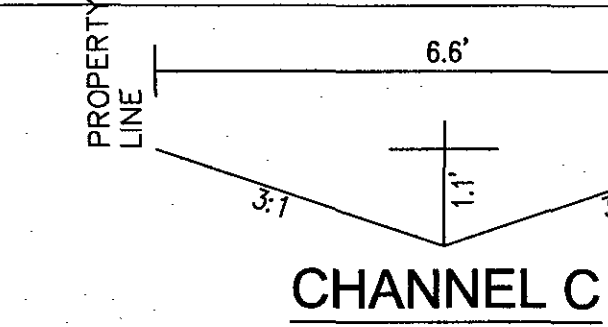
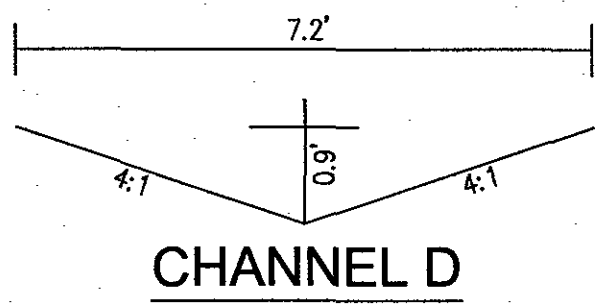
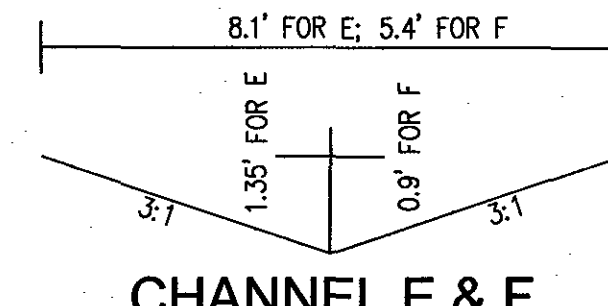




CHANNEL C



CHANNEL D



CHANNEL E & F

SLOPE = 1.6%. CHANNEL CONTROLS OFF-SITE RUNOFF TO EXISTING CHANNEL WITHOUT ENTERING SITE. MAXIMUM 10-YEAR DEPTH = 0.6'. PROVIDE 0.5' FREEBOARD. TOP WIDTH IS BASED ON FREEBOARD REQUIREMENT. ENTIRE CHANNEL REQUIRES EC-3 PLASTIC BLANKET MATTING (NORTH AMERICAN GREEN P550, PYRAMAT OR EQUIVALENT)

SLOPE = 2.7%. SEE PROFILE SHEET C10. MAXIMUM 25-YEAR DEPTH = 0.38'. PROVIDE 0.5' FREEBOARD. TOP WIDTH IS BASED ON FREEBOARD REQUIREMENT. 45 LF ADJACENT TO STRUCTURE 15 REQUIRES EC-2 TREATMENT-1 BLANKET MATTING (EXCELSIAR MAT OR EQUIVALENT)

SLOPE = VARIES. SEE PROFILE SHEET C10. MAXIMUM 25-YEAR DEPTH = 0.38' FOR F. MAXIMUM 25-YEAR DEPTH = 0.85' FOR E. PROVIDE 0.5' FREEBOARD. TOP WIDTH IS BASED ON FREEBOARD REQUIREMENT. ENTIRE LENGTH REQUIRES EC-2 TREATMENT-1 BLANKET MATTING (EXCELSIAR MAT OR EQUIVALENT)

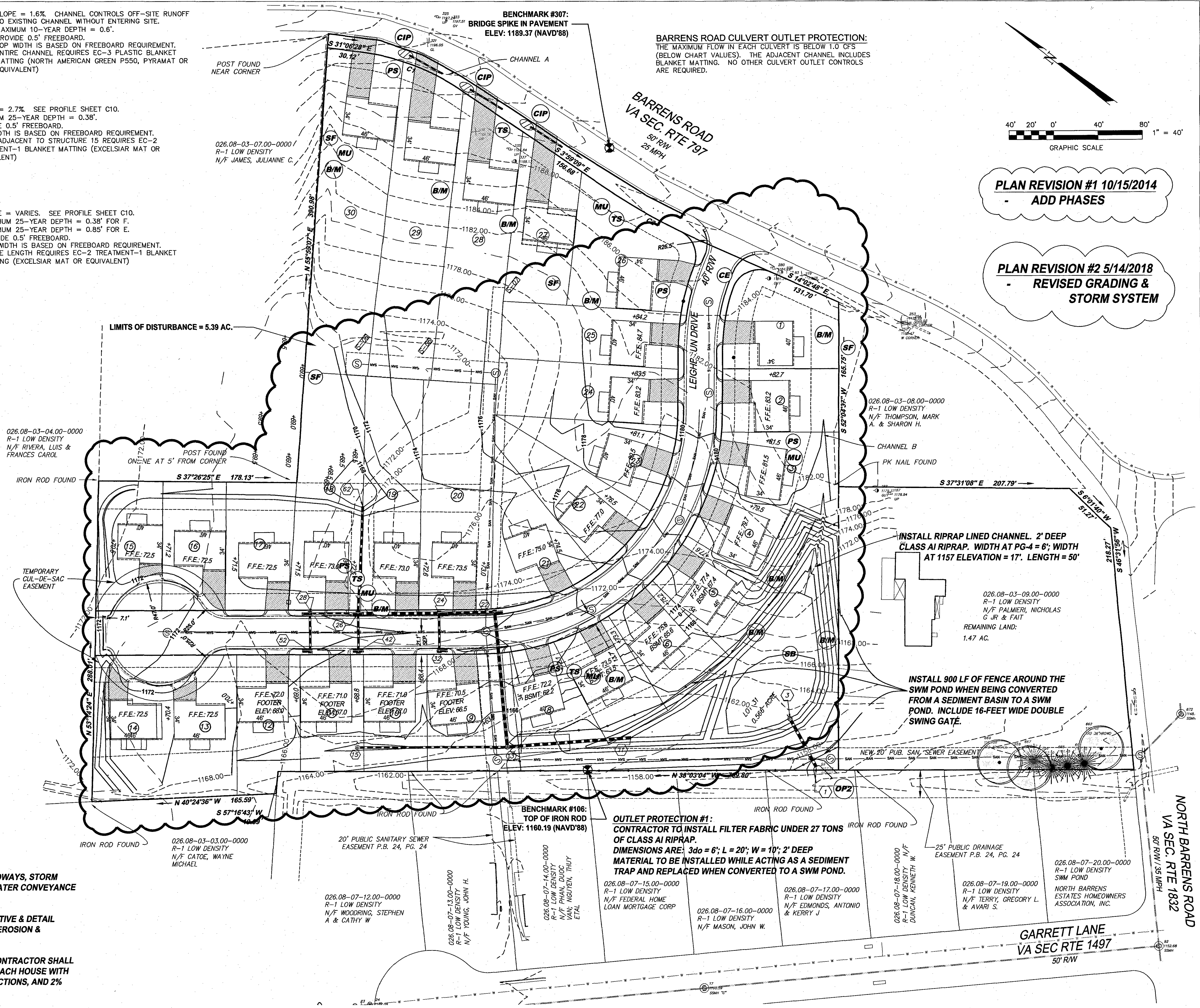
ESC LEGEND

PROPOSED	DESCRIPTION
CE	CONSTRUCTION ENTRANCE VA ESC HANDBOOK STD. & SPEC. 3.02
SF	SILT FENCE VA ESC HANDBOOK STD. & SPEC. 3.05
IP	INLET PROTECTION VA ESC HANDBOOK STD. & SPEC. 3.07
CIP	CULVERT INLET PROTECTION VA ESC HANDBOOK STD. & SPEC. 3.08
DD	TEMPORARY DIVERSION DIKE VA ESC HANDBOOK STD. & SPEC. 3.09
DV	TEMPORARY DIVERSION VA ESC HANDBOOK STD. & SPEC. 3.12
ST	SEDIMENT TRAP VA ESC HANDBOOK STD. & SPEC. 3.13
SB	SEDIMENT BASIN VA ESC HANDBOOK STD. & SPEC. 3.14
OP	OUTLET PROTECTION VA ESC HANDBOOK STD. & SPEC. 3.18
TS	TEMPORARY SEEDING VA ESC HANDBOOK STD. & SPEC. 3.31
PS	PERMANENT SEEDING VA ESC HANDBOOK STD. & SPEC. 3.32
B/M	BLANKET MATTING VA ESC HANDBOOK STD. & SPEC. 3.36
ML	MULCHING VA ESC HANDBOOK STD. & SPEC. 3.35

SEE PROFILE SHEETS FOR GRADES OF ROADWAYS, STORM SEWERS, SANITARY SEWERS, AND STORMWATER CONVEYANCE CHANNELS.

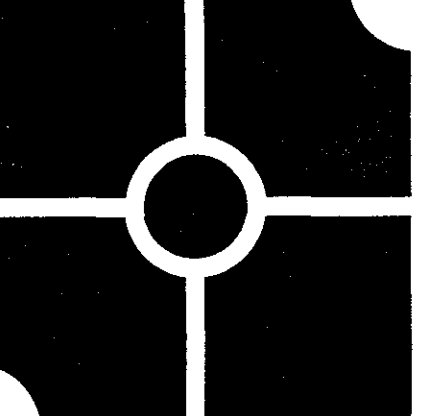
SEE EROSION & SEDIMENT CONTROL NARRATIVE & DETAIL SHEETS FOR INFORMATION PERTAINING TO EROSION & SEDIMENT CONTROL.

DURING CONSTRUCTION OF HOUSES, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM EACH HOUSE WITH 0.5 FEET OF FALL OVER 10 FEET IN ALL DIRECTIONS, AND 2% MINIMUM SLOPE TO DRAINAGE SWALES.



PLAN REVISION #1 10/15/2014
- ADD PHASES

PLAN REVISION #2 5/14/2018
- REVISED GRADING & STORM SYSTEM



parker
DESIGN GROUP

816 Boulevard 1915-B W. Cary Street
Salem, VA 24153 Richmond, VA 23220
Ph: 540-387-1153 Phone: 804-358-2947
Fax: 540-389-5767 Fax: 804-359-9645
www.parkerdgd.com

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**BUCKLAND SOUTH
SUBDIVISION**

Hollins Magisterial District
Roanoke County, Virginia

DESIGNED BY:	DFG/PJB
DRAWN BY:	DGF
CHECKED BY:	SLR
SCALE:	1" = 40'
DATE:	11 April 2014

SHEET TITLE:
**SECTION 2
GRADING &
ESC PLAN**

C08
08 OF 20
PROJECT NUMBER:
13-0087-03