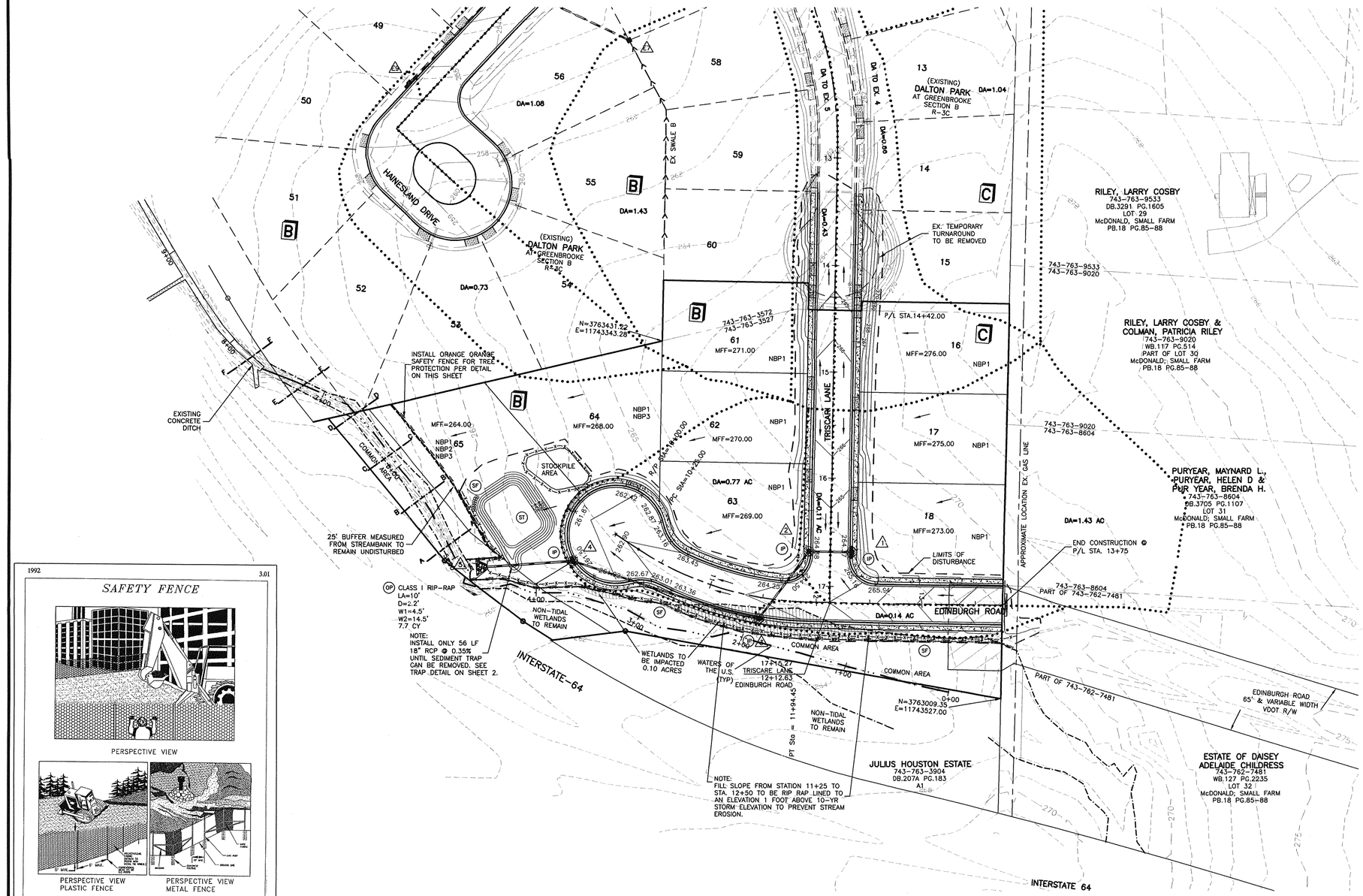


EROSION CONTROL LEGEND

—X—X—	SF	SILT FENCE (3.05)
—ωω—	SF	SILT FENCE (WIRE BACKED)
—WPT—	WPT	WETLANDS PROTECTION TAPE
—DV—	DV	DIVERSION DITCH (3.09)
	IP	INLET PROTECTION (3.07)
	OP	OUTLET PROTECTION (3.18)
	CE	CONSTRUCTION ENTRANCE (3.02)
	SB	SEDIMENT BASIN (3.14)
	ST	SEDIMENT TRAP (3.13)
	TSD	TEMPORARY SLOPE DRAIN (3.15)
	TPT	TREE PROTECTION TAPE

DRAINAGE DESCRIPTIONS

1. DI-3C L=10' TOP=264.30 INV. OUT=259.67 STA: 16+68.00 ST-1
1 TO 2: 40 LF 15" RCP @ 0.40%
2. DI-3A L=2.5' FLAT TOP=264.30 INV. IN=259.51 INV. OUT=259.41 STA: 16+68.00 ST-1
2 TO 3: 78 LF 15" RCP @ 0.40%
3. DI-3B L=4' TOP=264.00 INV. IN=259.10 INV. OUT=259.00 STA: 11+50.00 ST-1
3 TO 4: 181 LF 15" RCP @ 0.40%
4. DI-3C L=6' TOP=261.50 INV. IN=258.28 INV. OUT=258.18 CUL-DE-SAC ST-1
4 TO 5: 80 LF 18" RCP @ 0.35%
5. 18" ES-1 INV. =257.90

PHASE 2 SEQUENCE OF CONSTRUCTION

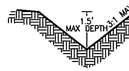
1. ONCE ALL INITIAL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVED BY THE ENVIRONMENTAL INSPECTOR, CLEAR AND GRUB SITE PER FINAL LIMITS OF DISTURBANCE ON THIS SHEET.
2. ROUGH GRADE SITE PER GRADING ON THIS SHEET.
3. INSTALL SANITARY SEWER.
4. INSTALL STORM SEWER, INCLUDING INLET AND OUTLET PROTECTION AND UNDERDRAINS. ONLY INSTALL 56 LF OF 18" RCP FROM STRUCTURE 4 TO STRUCTURE 5 AT THIS TIME.
5. INSTALL WATERLINE AND REMAINING UTILITIES.
6. INSTALL GRUB AND GUTTER.
7. FINE GRADE ROADS.
8. REMOVE CONSTRUCTION ENTRANCE AND INSTALL STONE BASE.
9. SEED ALL DENUDED AREAS.
10. PAVE ROADS.
11. UPON APPROVAL FROM ENVIRONMENTAL INSPECTOR REMOVE SEDIMENT TRAP AND INSTALL REMAINING STORM SEWER INCLUDING OUTLET PROTECTION, SEDIMENT TRAP TO BE FILLED IN ACCORDANCE WITH NOTE 2 ON THIS SHEET, SEED EASEMENT AND ALL DENUDED AREAS.
12. UPON CONSENT OF ENVIRONMENTAL INSPECTOR REMOVE ALL REMAINING EROSION CONTROL DEVICES. NO EROSION CONTROL DEVICES CAN BE REMOVED WITHOUT ENVIRONMENTAL INSPECTORS CONSENT.

NOTES

1. TOPOGRAPHIC INFORMATION FIELD TAKEN BY YTA.
2. **ANY BUILDING LOT CONTAINING FILL, A BMP, SEDIMENT BASIN OR TRAP LOCATED WITHIN THE BUILDABLE AREA FOR A PRINCIPAL OR ACCESSORY STRUCTURE SHALL BE DEVELOPED WITH ENGINEERED FILL. ALL MATERIAL SHALL BE DEPOSITED AND COMPACTED IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE AND GEOTECHNICAL GUIDELINES ESTABLISHED BY A PROFESSIONAL EINGNEER. A DETAILED ENGINEERING REPORT SHALL BE SUBMITTED FOR REVIEWS AND APPROVAL BY THE BUILDING OFFICIAL PRIOR TO THE ISSUANCE OF A BUILDING PERMIT OF AN AFFECTED LOT. A COPY OF THE REPORT SHALL BE FURNISHED TO THE DIRECTORS OF PLANNING AND PUBLIC WORKS.**
3. UD-4 UNDERDRAIN TO BE INSTALLED 1' FOOT BEHIND B/C IN ALL LOCATIONS.
4. CD-2 UNDERDRAIN TO BE INSTALLED AT ALL ROAD SAGS.
5. FOR MORE INFORMATION ON DALTON PARK AT GREENBROOKE SECTION B SEE PLANS BY YTA OF THE SAME NAME.
6. MFF ON THIS SHEET CORRESPONDS TO THE MINIMUM FINISHED FLOOR ALLOWABLE TO ENSURE FOR PROPER LOT DRAINAGE.
7. SEE SHEET 14 FOR DRAINAGE AREAS TO CROSS-SECTIONS.
8. SEE SHEETS 10,11 AND 12 FOR CROSS-SECTION CALCULATIONS.
9. SEE SHEET 10,11 AND 12 FOR CROSS-SECTION OF EDINBURGH ROAD.
10. SEE SHEETS 7,8 & 9 FOR PROFILES OF EXISTING STREAM.

SWALE TYPICAL SECTION

1.0% MIN. SLOPE
n=0.04 (GRASS LINED)



SCALE: 1"=50'

0 25 50 100

1992 3.01

SAFETY FENCE

PERSPECTIVE VIEW

PERSPECTIVE VIEW PLASTIC FENCE — PERSPECTIVE VIEW METAL FENCE

Source: Adapted from Conwed Plastics and VDOT Road and Bridge Standards

Plate 3.01-1

III - 5

TABLE 3.01-A

PHYSICAL PROPERTIES OF PLASTIC SAFETY FENCE

Physical Property	Test	Requirements
Recommended color	N/A	"International" orange
Tensile yield	ASTM D638	Average 2000 lbs. per 4 ft. width
Ultimate tensile strength	ASTM D638	Average 2900 lbs. per 4 ft. width
Elongation at break(%)	ASTM D638	Greater than 1000%
Chemical resistance	N/A	Inert to most chemicals and acids

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DALTON PARK @ GREENBROOKE SECTION C

THREE CHOPT DISTRICT HENRICO COUNTY, VIRGINIA

PHASE II EROSION CONTROL, LOT GRADING & DRAINAGE PLAN

DATE: OCT. 18, 2007

REVISIONS

NOTES
DATE
2/13/2007
2/15/2008

DESIGNED BY: WAB
DRAWN BY: MNC
CHECKED BY: WAB

J. N.: 868-25-102
CAD FILE: P1-P2.DWG

COMMONWEALTH OF VIRGINIA
WILLIAM A. BROWNING
Lic. No. 40705
PROFESSIONAL ENGINEER

SHEET 3 OF 16

J:\Engr\CAD\BROOKE\DALTON\DALTON PARK-C\PLRSECT-C.DWG, 2/22/2008 3:46:18 PM, mark