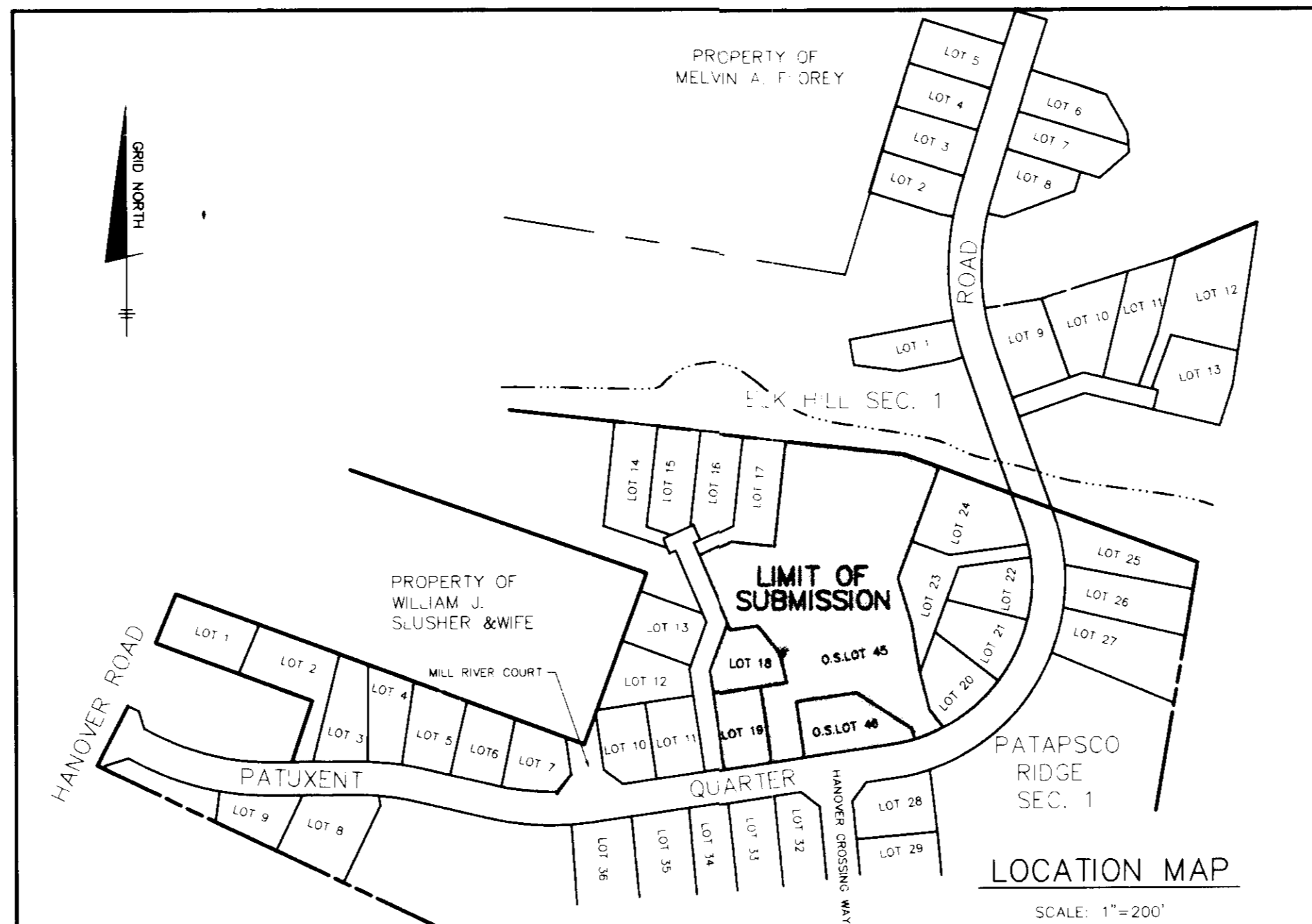
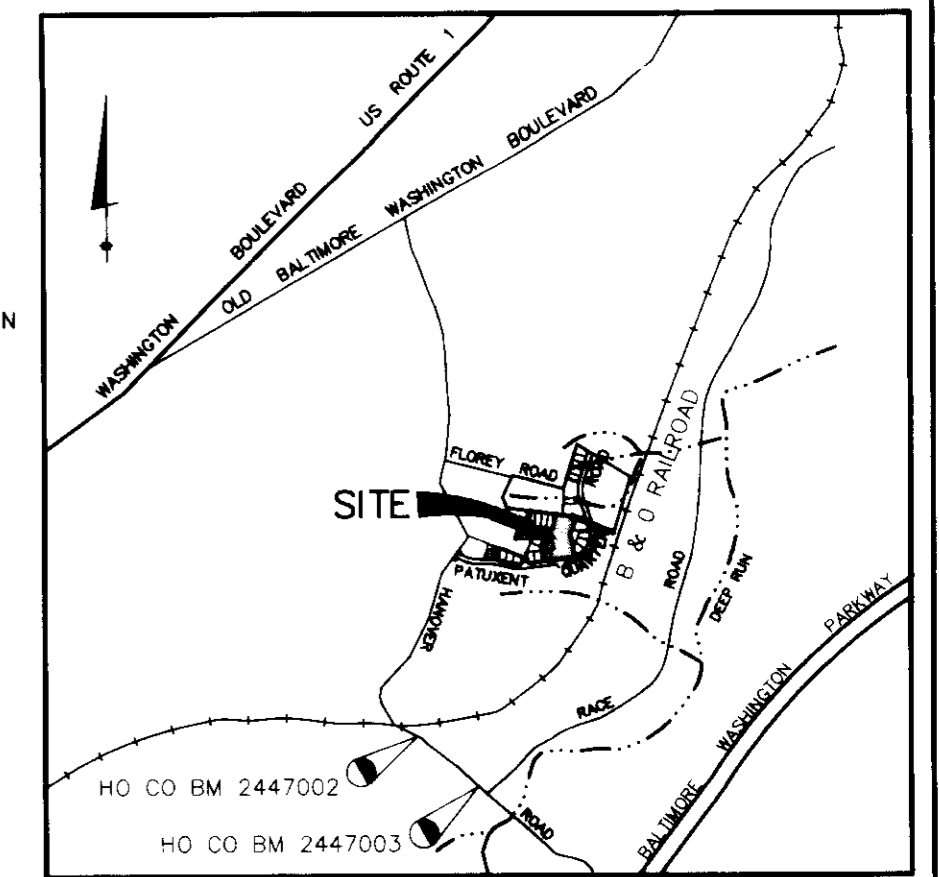


SHEET INDEX	
SHEET NO.	TITLE
1	TITLE SHEET
2	SITE DEVELOPMENT
3	SEDIMENT CONTROL PLAN, NOTES AND DETAILS
4	PLANTING PLAN, NOTES AND DETAILS



BENCH MARKS—NAD 27

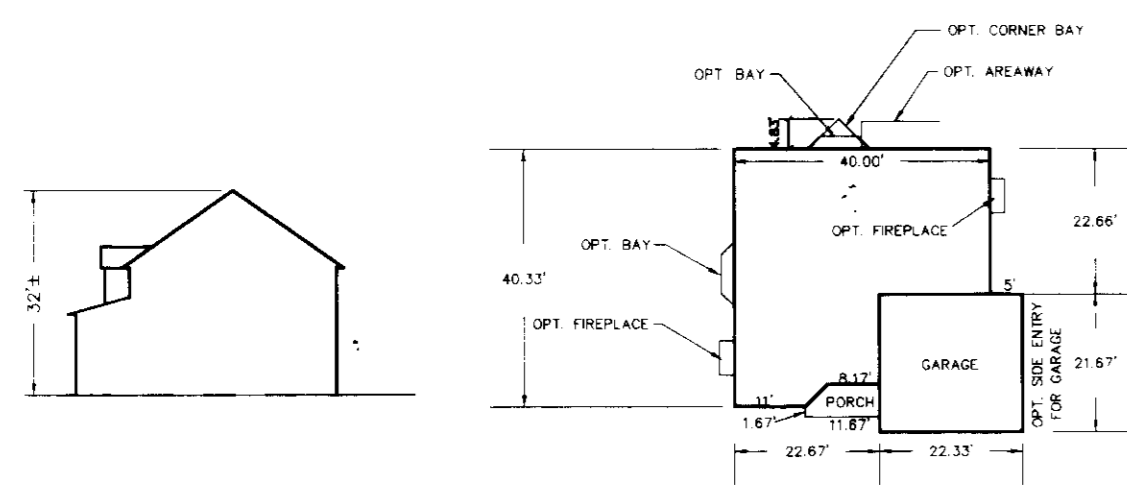
HO. CO. # 2447002 ELEV. 89.82
 CONC. MON. NE CORNER RR TRACKS AND HANOVER ROAD, 0.3' BELOW SURFACE.
 N 494994.546 E 878209.658
 HO. CO. # 2242002 ELEV. 365.719
 REBAR 7.73' NORTH EAST OF NAIL & CAP IN POLE CAP #1 ON THE NORTH EAST SIDE OF OAKLAND MILLS ROAD NEAR THE INTERSECTION OF GUILFORD ROAD (RTE. 32)
 N 484617.531 E 847967.759



VICINITY MAP
SCALE: 1"=2000'

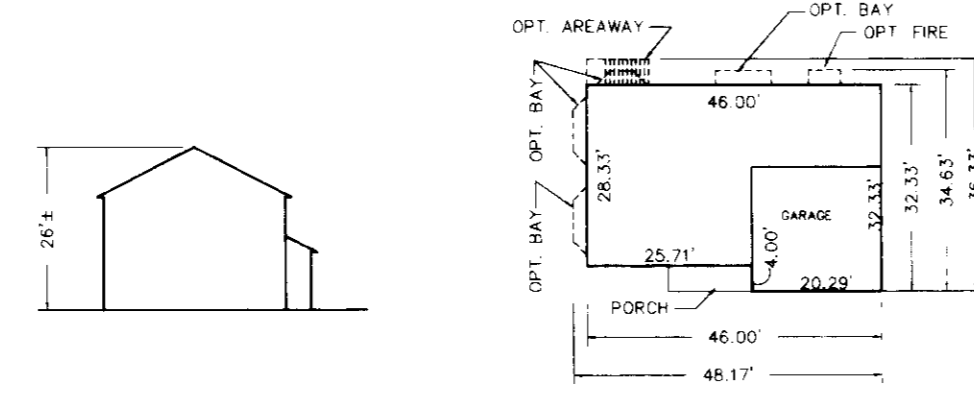
GENERAL NOTES:

- SUBJECT PROPERTY IS ZONED: R-12 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- THE TOTAL AREA INCLUDED IN THIS SUBMISSION IS 2.94 ACRES.
- THE TOTAL NUMBER OF LOTS INCLUDED IN THIS SUBMISSION IS 4. TOTAL BUILDABLE LOTS ARE 2.
- IMPROVEMENT TO THE PROPERTY: SINGLE FAMILY DETACHED.
- UTILITIES SHOWN AS EXISTING ARE TAKEN FROM APPROVED WATER AND SEWER PLAN CONTRACT #14-3192-D AND APPROVED ROAD CONSTRUCTION PLANS F-92-25.
- THE TOPOGRAPHY SHOWN HEREON, WITHIN OPEN SPACE LOTS 45 AND 46 WAS BASED ON FIELD RUN SURVEY PERFORMED BY TSA GROUP INC., DATED MARCH, 1995 AND IS SHOWN AT TWO (2) FOOT CONTOUR INTERVALS. THE FINAL ROAD AND ADJACENT LOT GRADING SHOWN ON THESE PLANS IS BASED ON APPROVED ROAD CONSTRUCTION DRAWINGS F-92-25 AND SITE DEVELOPMENT PLANS SDP-95-29, RESPECTIVELY AND IS SHOWN AT TWO (2) FOOT CONTOUR INTERVALS.
- ANY DAMAGE TO THE COUNTY/STATE OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S/BUILDER'S EXPENSE.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON MARYLAND GRID SYSTEM NAD-27 - HOWARD COUNTY MONUMENT NOS.: 2447002 AND 2447003.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING (CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 24 HOURS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND EASEMENTS PRIOR TO THE CONSTRUCTION.
- FOR DRIVEWAY APRON DETAIL SEE HOWARD COUNTY DETAIL R-6.03.
- ALL ROADWAYS ARE PUBLIC AND EXISTING.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND ROAD RIGHT OF WAY LINE AND NOT TO THE FLAG OR PIPE STEM LOTS DRIVEWAY.
- MAINTENANCE AGREEMENT FOR THE USE-IN-COMMON DRIVEWAY FOR PATAPSCO RIDGE LOTS 12-18 RECORDED ON PLAT #11313 IN LIBER 3300 AT FOLIO 578.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO THE RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH: 12' (16' SERVING MORE THAN ONE RESIDENCE).
 - SURFACE: 6" OF COMPACT CRUSHER RUN BASE W/TAR AND CHIP COATING.
 - GEOMETRY: MAX. 15% DRIVEWAY GRADE, MAX. 10% GRADE CHANGE.
 - WHERE COMMON DRIVEWAYS ARE PROPOSED, A HOUSE NUMBER SIGN SHALL BE PLACED AT EACH LOT ENTRANCE INDICATING THE RANGE OF STREET ADDRESS & HOUSE NUMBERS PLACED WHERE THE COMMON DRIVEWAY INTERSECTS WITH THE MAIN ROAD.
- STORMWATER MANAGEMENT IS PROVIDED BY EXTENDED DETENTION, AS APPROVED UNDER F-92-25 FLOODPLAIN STUDY COMPILED BY TSA GROUP, INC. DATED JUNE 1991 AND APPROVED UNDER F-92-25.
- WETLAND DELINEATION WAS PERFORMED BY EXPLORATION RESEARCH INC., DATED SEPT.1990.
- GEOTECHNICAL REPORT COMPILED BY ATEO ASSOC., INC. DATED OCTOBER 1990.
- STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY BUILDER AS APPROVED UNDER F-92-25.
- PORCHES OR DECKS, OPEN OR ENCLOSED EXTERIOR STAIRWAYS CANNOT PROJECT MORE THAN 10' INTO THE REQUIRED FRONT OR REAR YARD SETBACK AREA.
- ALL FIREPLACE CHIMNEYS, BAY WINDOWS, BALCONIES, EXTERIOR STAIRWAYS NOT MORE THAN 10' FEET IN WIDTH, MAY PROJECT NOT MORE THAN FOUR (4) FEET INTO ANY REQUIRED SETBACK AREA.
- CONTRACTOR SHALL ADJUST ALL UTILITY APPURTENANCES TO FINISHED GRADE.
- STAKEOUT OF BUILDING SHOWN HEREON SHALL BE BASED ON AN APPROVED SDP AND RECORDED RECORD PLATS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS OF HOWARD COUNTY AND MSHA 1.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- PREVIOUS COUNTY FILE NUMBERS: S-89-73, P-91-10, P-92-11, WP-91-54, F-92-25, F-95-90 AND SDP-95-29



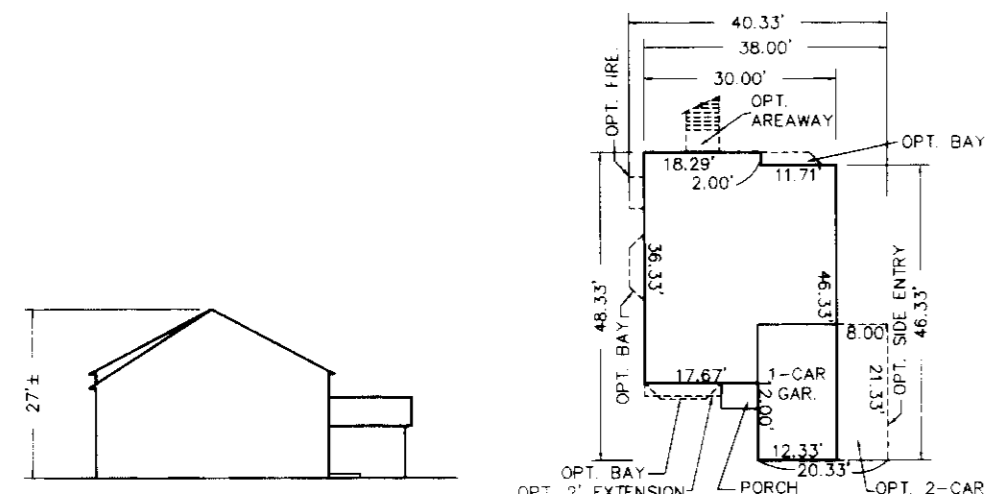
MODEL "R"—JOHN RANDOLPH

SCALE: 1" = 30'



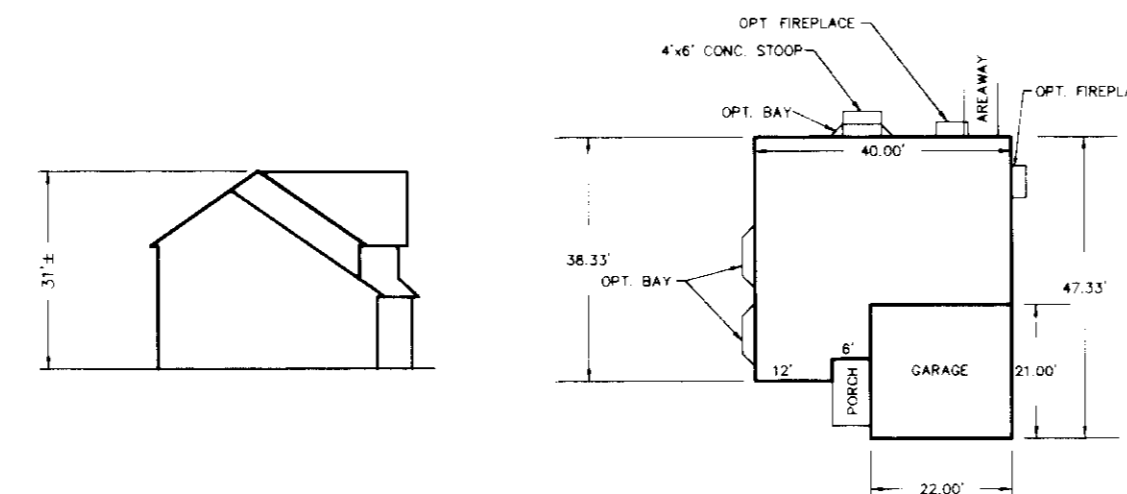
MODEL "N"—THE MASON

SCALE: 1" = 30'



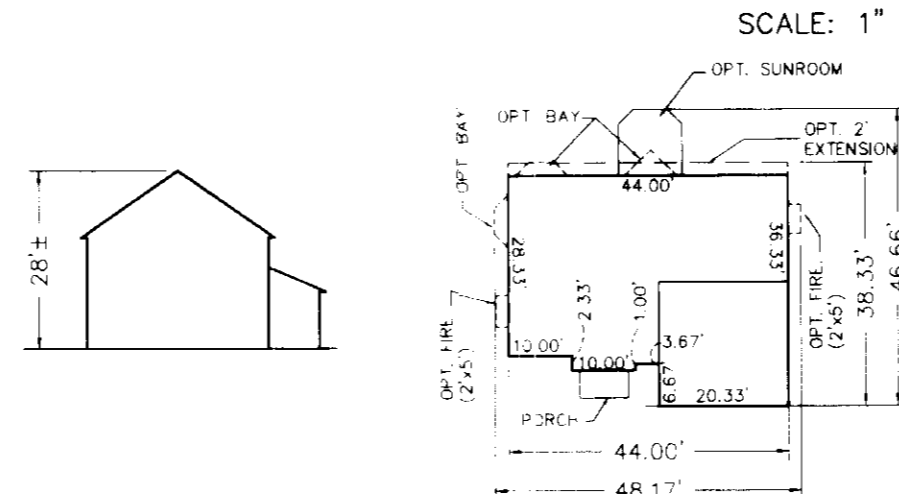
MODEL "L"—THE LIBERTY

SCALE: 1" = 30'



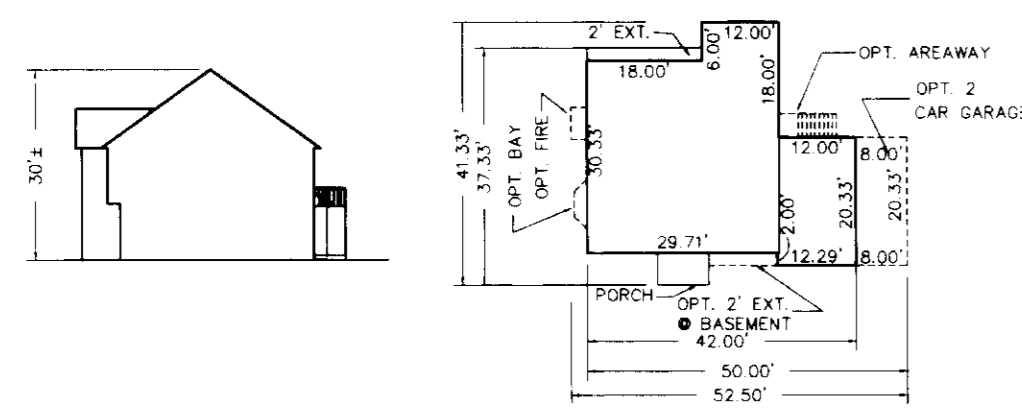
MODEL "Q"—THE PATRIOT

SCALE: 1" = 30'



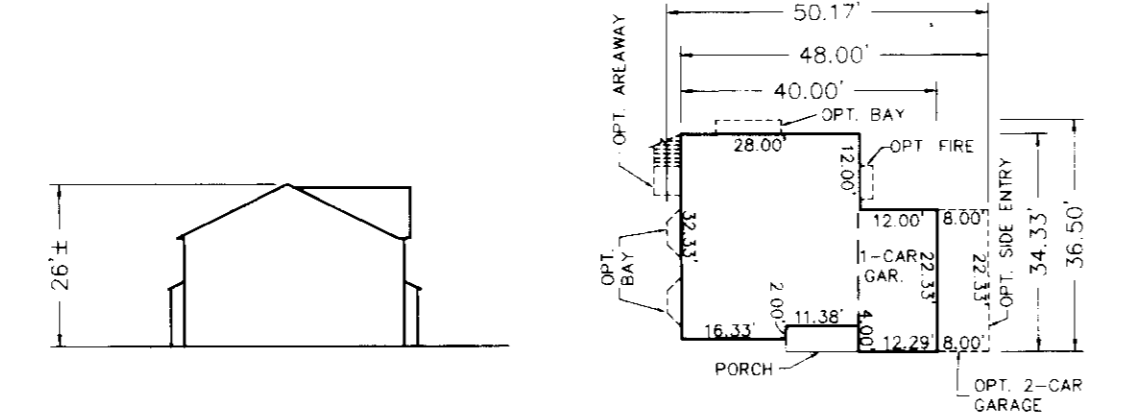
MODEL "T"—BENJAMIN BANECKER

SCALE: 1" = 30'



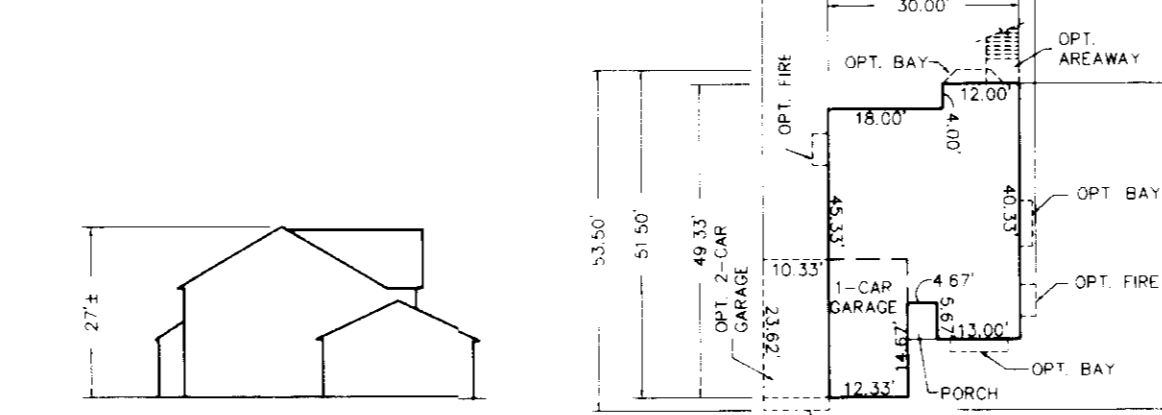
MODEL "A"—JOHN ADAMS

SCALE: 1" = 30'



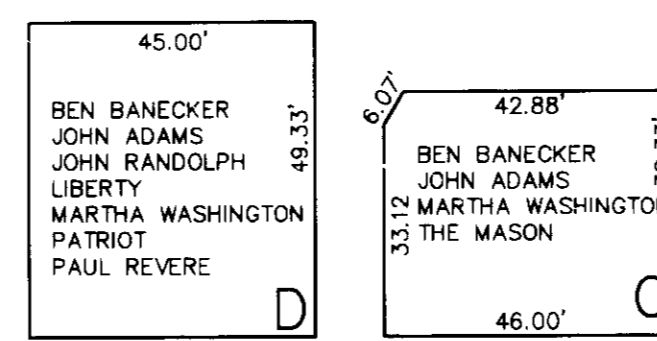
MODEL "B"—MARTHA WASHINGTON

SCALE: 1" = 30'



MODEL "E"—PAUL REVERE

SCALE: 1" = 30'



GENERIC BOX TYPES

SCALE: 1" = 30'

MIN. CELLAR ELEVATION		
LOT NO.	SHC INV. @ P.L.	MIN. CELLAR ELEV.
18	108.50	112.10
19	99.52	103.30

ADDRESS CHART	
LOT NO.	STREET ADDRESS
18	6261 PATUXENT QUARTER ROAD
19	6265 PATUXENT QUARTER ROAD

PERMIT INFORMATION CHART

SUBDIVISION NAME					
PATAPSCO RIDGE LOTS 18,19 & OPEN SPACE LOTS 45 & 46					
SECTION	PARCEL #	PREVIOUS FILE:			
ONE	263, 793 & 849	S-89-73, P-91-10, P-92-11, WP-91-54, WP-92-127, F-92-25	SDP-95-29		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
11314 & 11684	15	R-12	38	1ST	6012.00
WATER CODE			SEWER CODE		
A01			2130000		
SCALE: AS SHOWN			DATE: APRIL 24, 1995		

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMMERS
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GIHA TIRINNANZI
 DIRECTOR, JOSEPH RUTTER, JR.

TSA GROUP, INC.
 planning • architecture • engineering
 6480 Baltimore National Pike • Ellicott City, Maryland 21048 • (410) 468-8100

OWNER/DEVELOPER:		PROJECT:	
SECURITY DEVELOPMENT CORP. P.O. BOX 417 ELICOTT CITY, MARYLAND 21041 (410) 465-4244		PATAPSCO RIDGE SECTION ONE LOTS 18,19 & OPEN SPACE LOTS 45 & 46 S-89-73, P-91-10, P-92-11, WP-91-10, WP-92-127, F-92-25, SDP-95-29	
BUILDER: PATRIOT HOMES P.O. BOX 1018 COLUMBIA, MARYLAND 21044 (410) 997-5522		LOCATION: TAX MAP 38 PARCELS 263, 793 & 849 1ST. ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE SHEET		TITLE SHEET	
DATE: MAY 5, 1995 AUGUST 10, 1995		PROJECT NO. 0399	
SCALE: AS SHOWN		DRAWING 1 OF 4	

HOUSE MATRIX							
LOT #	BENJAMIN BANECKER	JOHN ADAMS	JOHN RANDOLPH	THE LIBERTY	THE MASON	THE PATRIOT	PAUL REVERE
18	Y,1,5	Y,1,4	N	N	Y,1,3	N	N
19	Y,2,3	Y,2,4	Y,2,3,6	Y,2,3,6	N	Y,2,3	Y,2,3

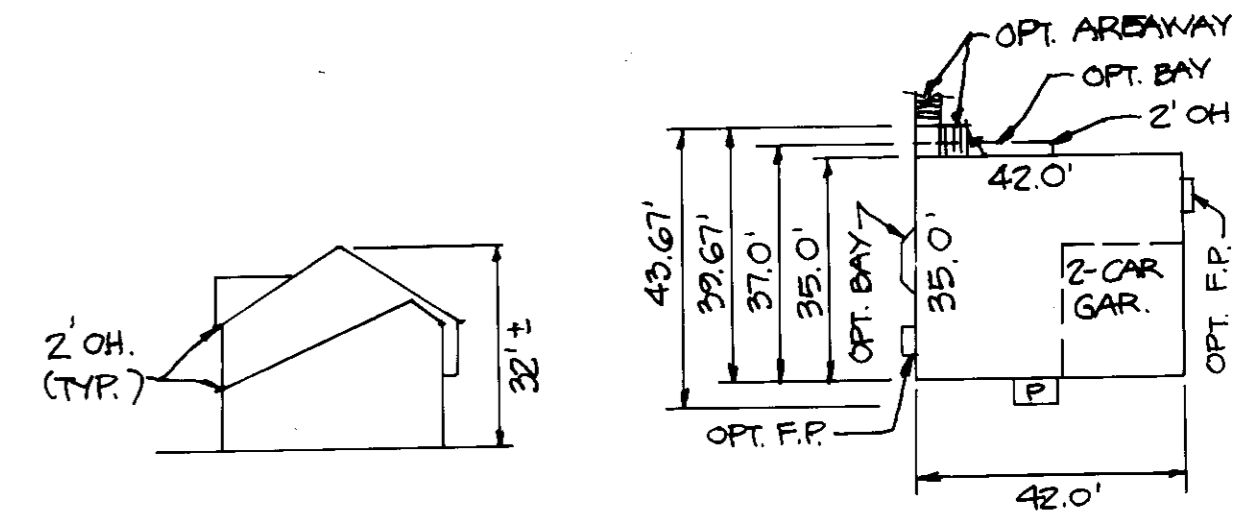
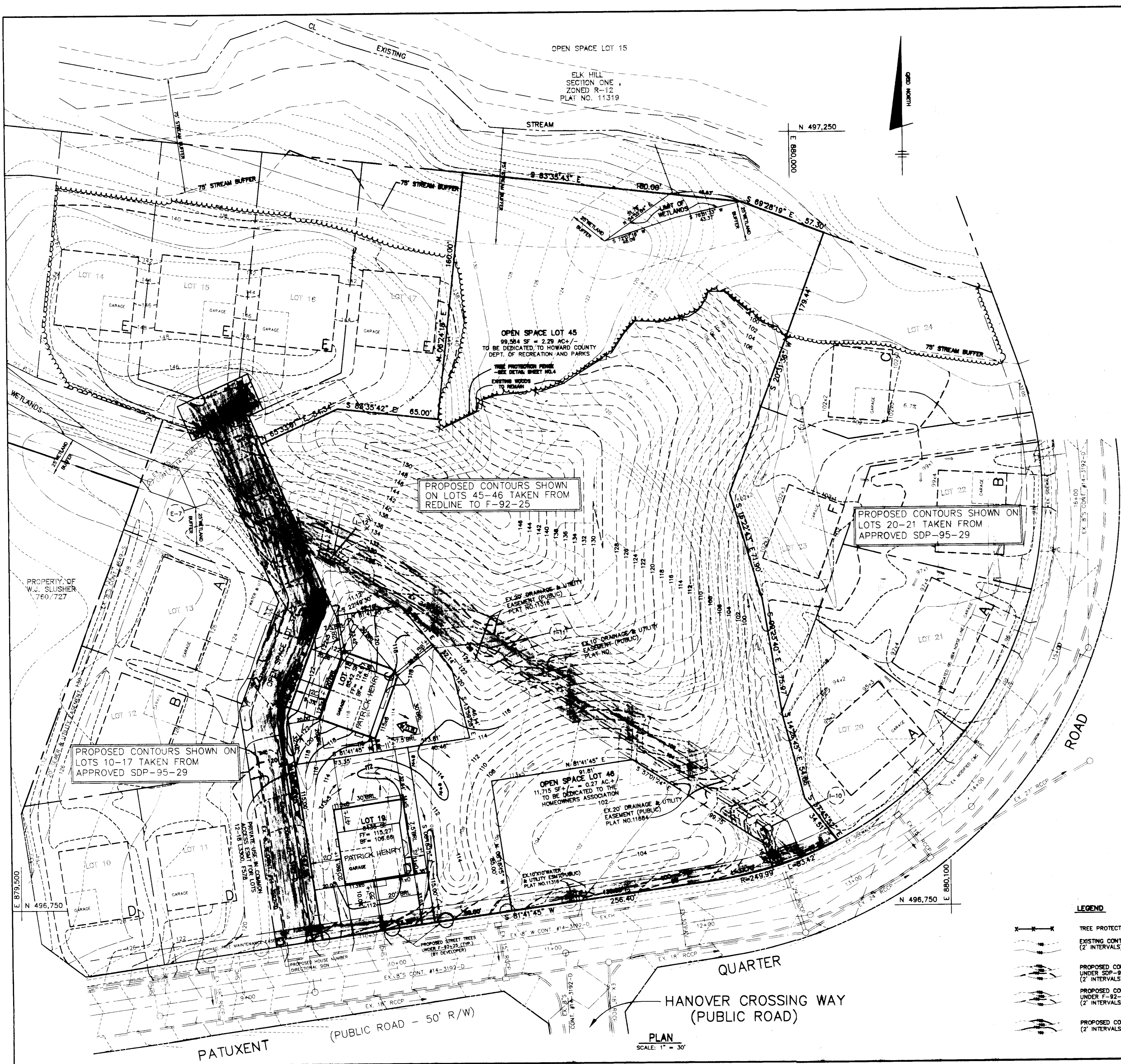
Y = HOUSE TYPE DOES FIT WITH THE OPTIONS AS INDICATED
 N = HOUSE TYPE DOES NOT FIT
 NA = HOUSE TYPE NOT APPLICABLE

OPTIONS:

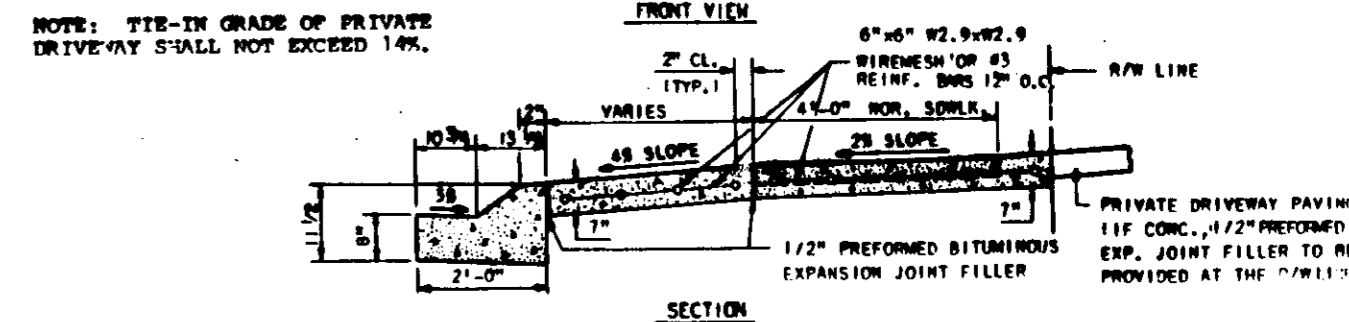
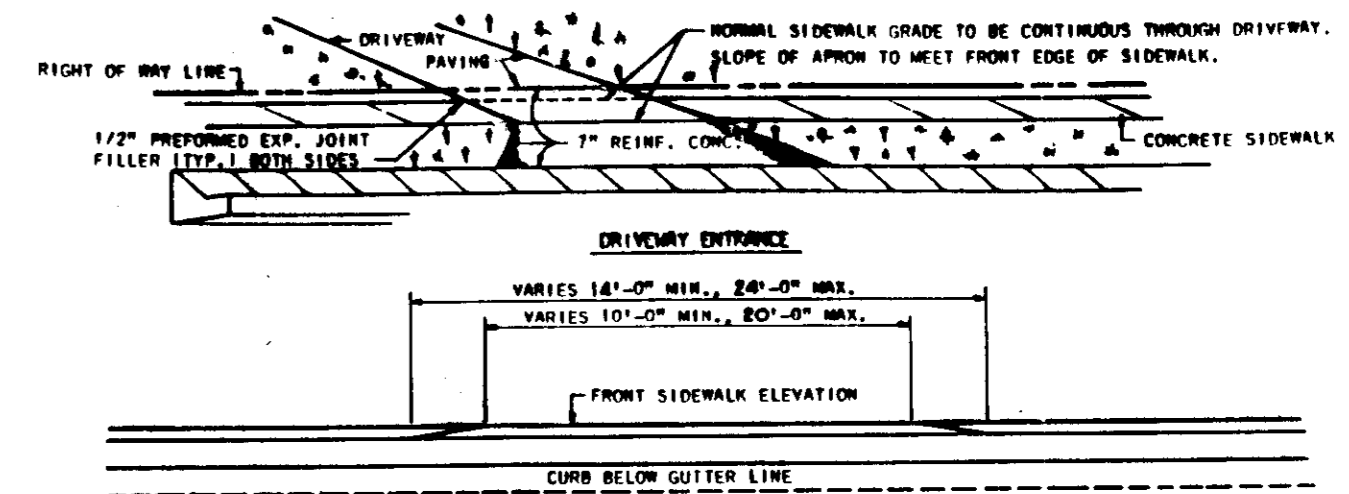
- GARAGE LOCATED ON RIGHT SIDE
 - GARAGE LOCATED ON LEFT SIDE
 - ALL OPTIONS AS INDICATED ON THIS SHEET
 - NO 2-CAR GARAGE
 - NO REAR SUNROOM
 - NO SIDE ENTRY GARAGE
- MODIFIED BOX = ONLY HOUSES AS INDICATED ON MATRIX ARE ALLOWED IN ORDER TO OBTAIN USABLE REAR YARD.

HOUSE REVISION (RESITE) REQUIRED WHEN THE FOLLOWING OCCURS:

- ADD OR DELETE A HOUSE TYPE
- CHANGE A DRIVEWAY LOCATION FROM FRONT LOADED TO A SIDE LOADED GARAGE UNLESS THE HOUSE MATRIX ALLOWS THIS TO OCCUR
- "FLIP" THE HOUSE SO THAT THE GARAGE AND DRIVEWAY ARE OPPOSITE TO WHAT THE APPROVED SDP SHOWS
- CHANGE THE ELEVATION OF HOUSE ONE FOOT (PLUS OR MINUS)
- TO CHANGE THE GRADING FROM IN-GROUND BASEMENT TO WALKOUT BASEMENT



MODEL "Y-95" - THE PATRICK HENRY
SCALE: 1" = 30'



DRIVEWAY ENTRANCE DETAIL
NOT TO SCALE

11-8-95 HOUSE SITING LOTS 18 & 19, ADDED HOUSE TYPE #1

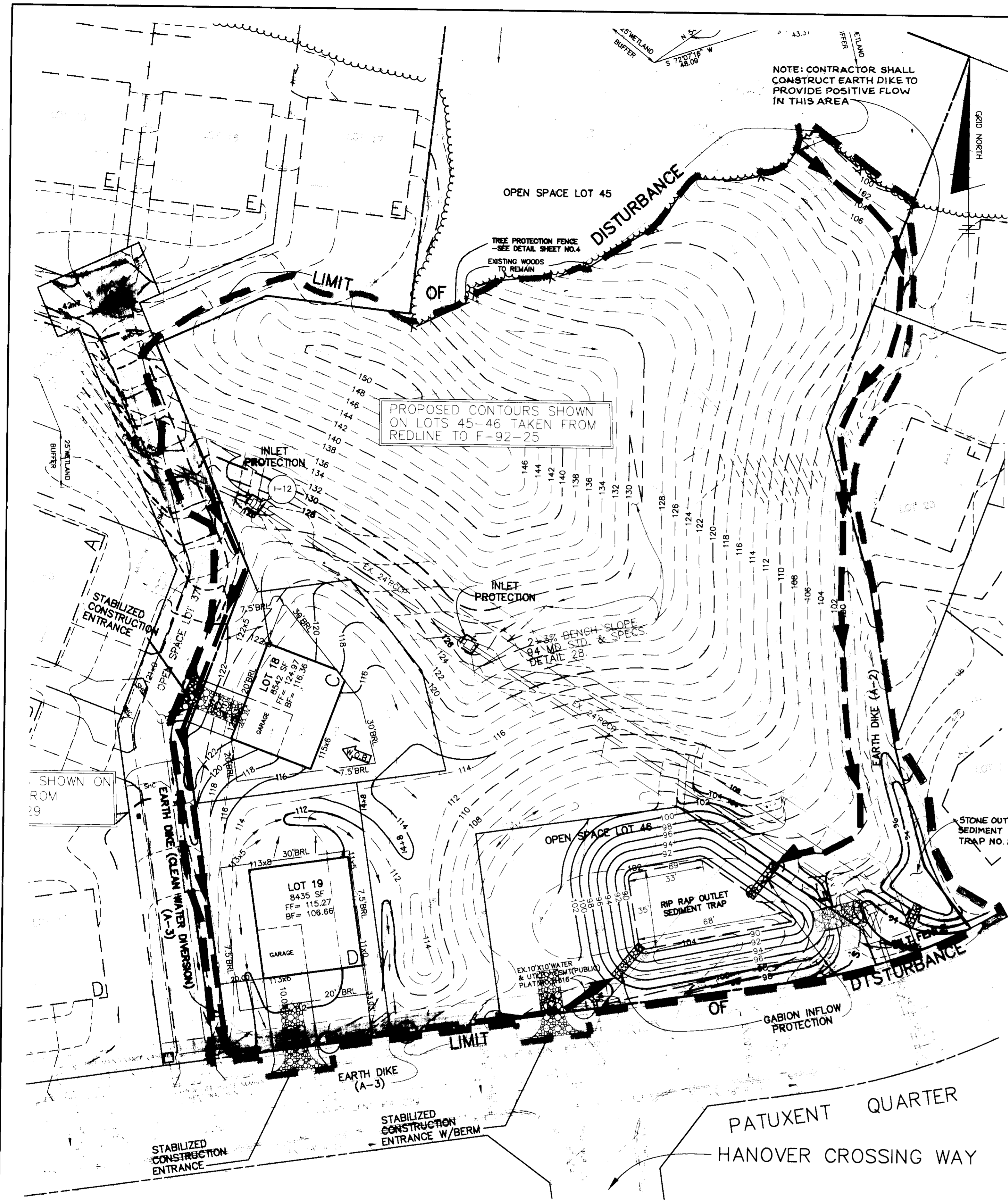
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	10/21/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION, CHARLES DAMMERS	DATE
<i>Alma Trinnanzi</i>	11/11/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, GIWA TRINNANZI	DATE
<i>Joseph Rutter, Jr.</i>	11/2/95
DIRECTOR, JOSEPH RUTTER, JR.	DATE

TSA GROUP, INC.
planning • architecture • engineering
8000 Baltimore National Pike • Beltsville, MD 20814 • (410) 460-4100

OWNER/DEVELOPER: SECURITY DEVELOPMENT CORP. P.O. BOX 417 ELICOTT CITY, MARYLAND 21041 (410) 465-4244	PROJECT: PATAPSCO RIDGE SECTION ONE LOTS 18, 19 & OPEN SPACE LOTS 45 & 46 5-88-73P-91-10P-92-11W-91-10W-92-127F-92-25SDP-95-29
BUILDER: PATRIOT HOMES P.O. BOX 1018 COLUMBIA, MARYLAND 21044 (410) 997-5522	LOCATION: TAX MAP 38 PARCELS 263, 793 & 849 1ST. ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: MAY 8, 1995 AUGUST 10, 1995	TITLE: SITE DEVELOPMENT PLAN
DES: JH/DAM	DRN: JH
SCALE: AS SHOWN	PROJECT NO. 0399 DRAWING 2 OF 4

- LEGEND**
- TREE PROTECTION FENCE
 - EXISTING CONTOURS (2' INTERVALS)
 - PROPOSED CONTOURS UNDER SDP-95-29 (2' INTERVALS)
 - PROPOSED CONTOURS UNDER F-92-25 (2' INTERVALS)
 - PROPOSED CONTOURS (2' INTERVALS)

PLAN
SCALE: 1" = 30'



SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (311-1855)
- ALL VEGETATIVE AND STRUCTURAL MEASURES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REVISIONS THEREIN:
- FOLLOWING INITIAL SOIL DISTURBANCE OR RESTORATION, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 47 CALENDAR DAYS FOR PERIODS:
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1 CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL - STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS (MDS) FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOI STABILIZATION WITH MULCH ALONE (AN. 10) BE DONE WHEN RECOMMENDED SEEDING RATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SOIL ANALYSIS:

TOTAL AREA OF SITE	2.25 ACRES
AREA TO BE SEEDING	0.75 ACRES
AREA TO BE VEGETATIVE / STABILIZED	0.75 ACRES
TOTAL CUT	23,250 CU YDS
OFFSITE WASTE/BORROW AREA LOCATION	E.K. HILL, SEVERNA PARK
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING, CONSTRUCTION OR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMANENT EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

PERMANENT SEEDING PREPARATION

SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC AND UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400-0-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ FT).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 31, SEED WITH 60 LBS PER ACRE (14 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WEEDING LOVEGRASS DURING PERIODS OCTOBER 1 THROUGH FEBRUARY 28. PROTECT SITE BY OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. FESCUE AND MULCH WITH 2 TONS PER ACRE (0.5 LBS/1000 SQ FT) OF UNNOTTED SMALL DRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING (100 OR 218 GALLONS PER ACRE 15 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 3 FT OR HIGHER, USE 148 GALLONS PER ACRE (18 GAL/1000 SQ FT) FOR ANCHORING.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNNOTTED SMALL DRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING (100 OR 218 GALLONS PER ACRE 15 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 3 FT OR HIGHER, USE 148 GALLONS PER ACRE (18 GAL/1000 SQ FT) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDBED PREPARATION

APPLY TO GRADED OR CLEARED AREAS, LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION - LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

SEEDING - FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (32 LBS/1000 SQ FT) FOR THE PERIOD MAY 1 THROUGH AUGUST 14. SEED WITH 3 LBS PER ACRE OF WEEDING LOVEGRASS (0.75 LBS/1000 SQ FT) FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE (0.5 LBS/1000 SQ FT) OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OF USE SOI.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNNOTTED SMALL DRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING (100 OR 218 GALLONS PER ACRE 15 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 3 FT OR HIGHER, USE 148 GALLONS PER ACRE (18 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

CONSTRUCTION SPECIFICATIONS FOR RIP-RAP OUTLET SEDIMENT TRAP - ST III

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and roof mat. The pool area shall be cleared.

2. The fill material for the embankment shall be free of roots or other woody vegetation, as well as oversized rocks, organic material or other objectionable material. The embankment shall be compacted by treading with equipment while it is being constructed. Maximum height of embankment shall be 2' measured at centerline of embankment.

3. All cut and fill slopes shall be 2:1 or flatter.

4. Elevation of the top of any area directing water into trap must equal or exceed the height of trap embankment.

5. Storage area provided shall be figured by computing the volume measured from top of excavation for storage requirements (see Table 10).

6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Section of fabric must overlap at least 1" into existing ground at entrance of outlet channel.

7. Stone used in the outlet channel shall be 4" - 12" placed 18" thick.

8. Outlet - An outlet shall be provided, which includes a means of conveying the discharge in an erosion free manner to an existing stable channel. Protection against scour of the discharge and shall be provided as necessary.

9. Outlet channel must have positive drainage from the trap.

10. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 of the well storage depth of the trap (1/30 of cu. yd.). Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.

11. The structure shall be inspected periodically after each rain and repaired as needed.

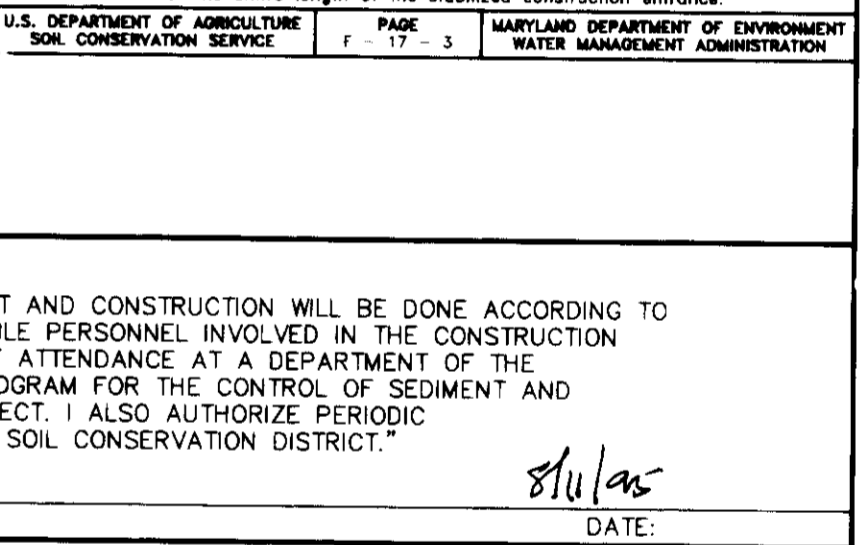
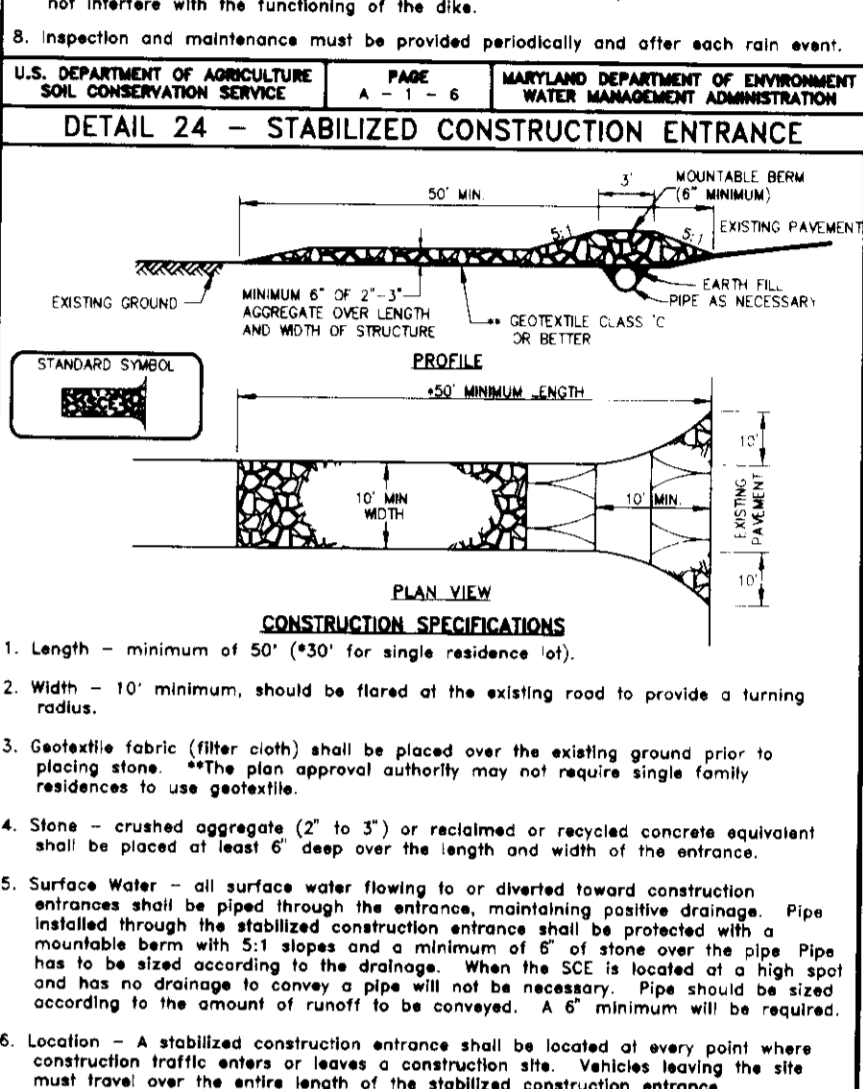
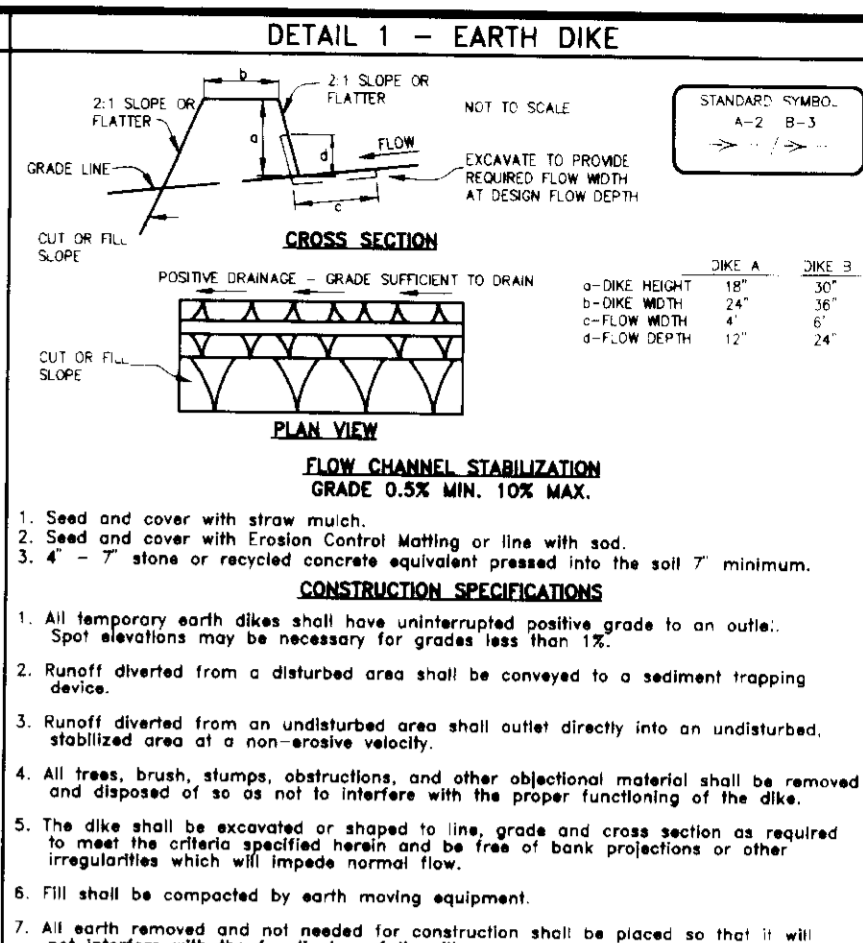
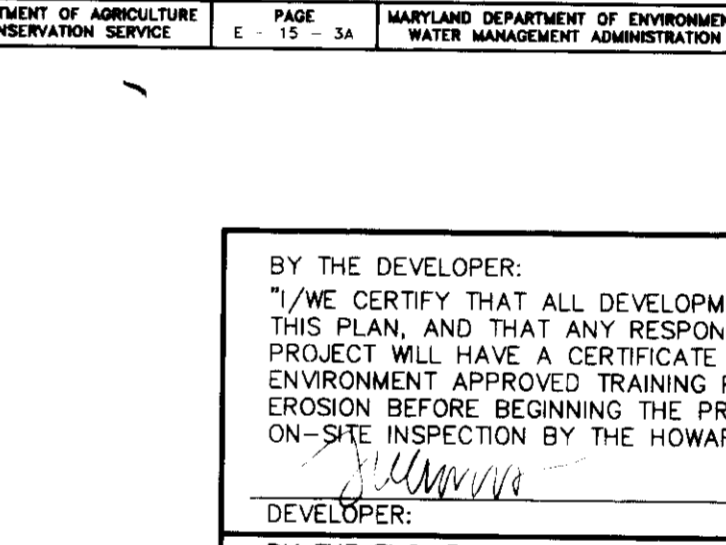
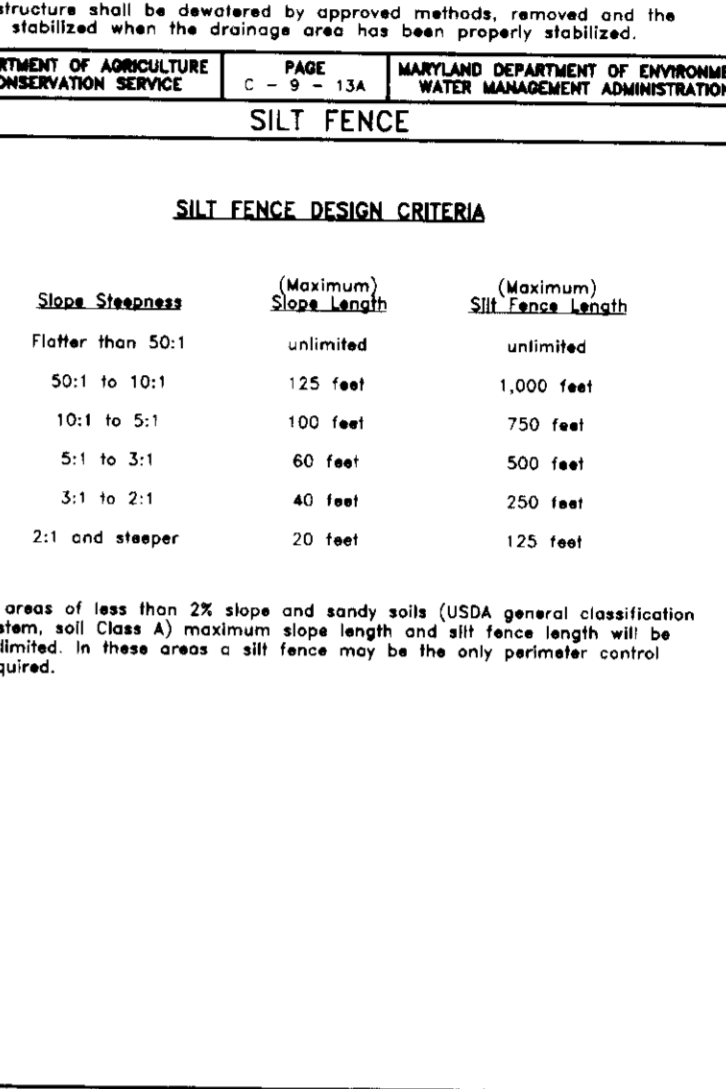
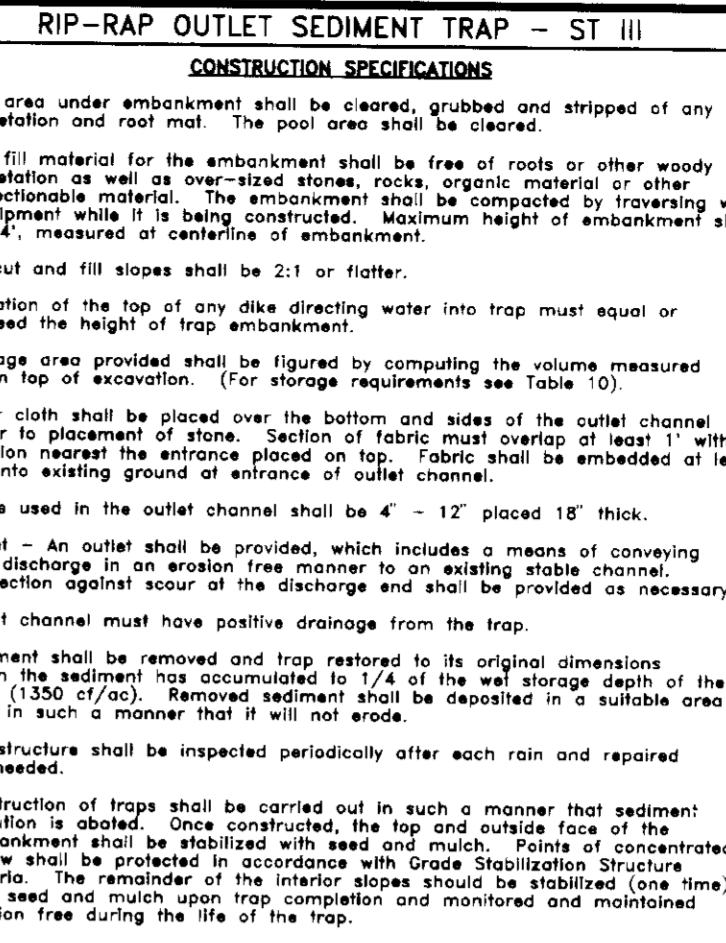
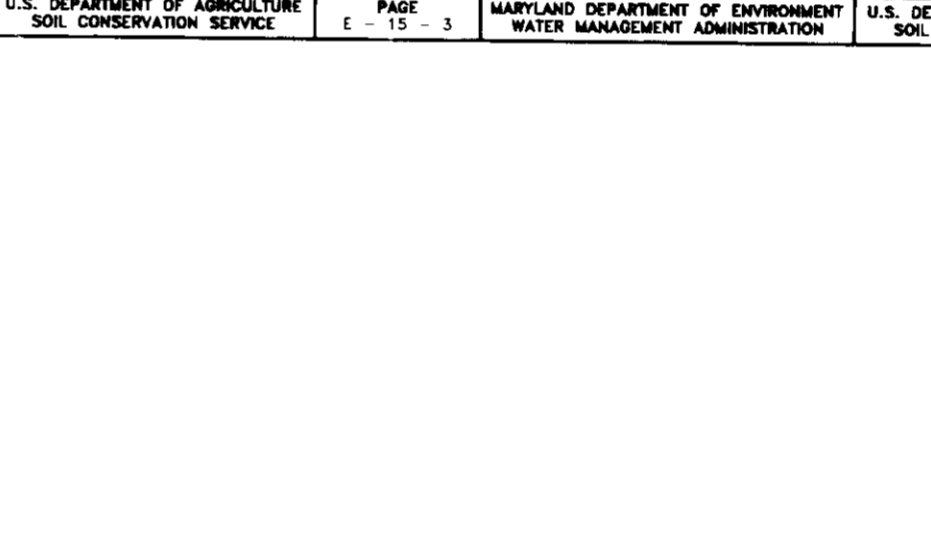
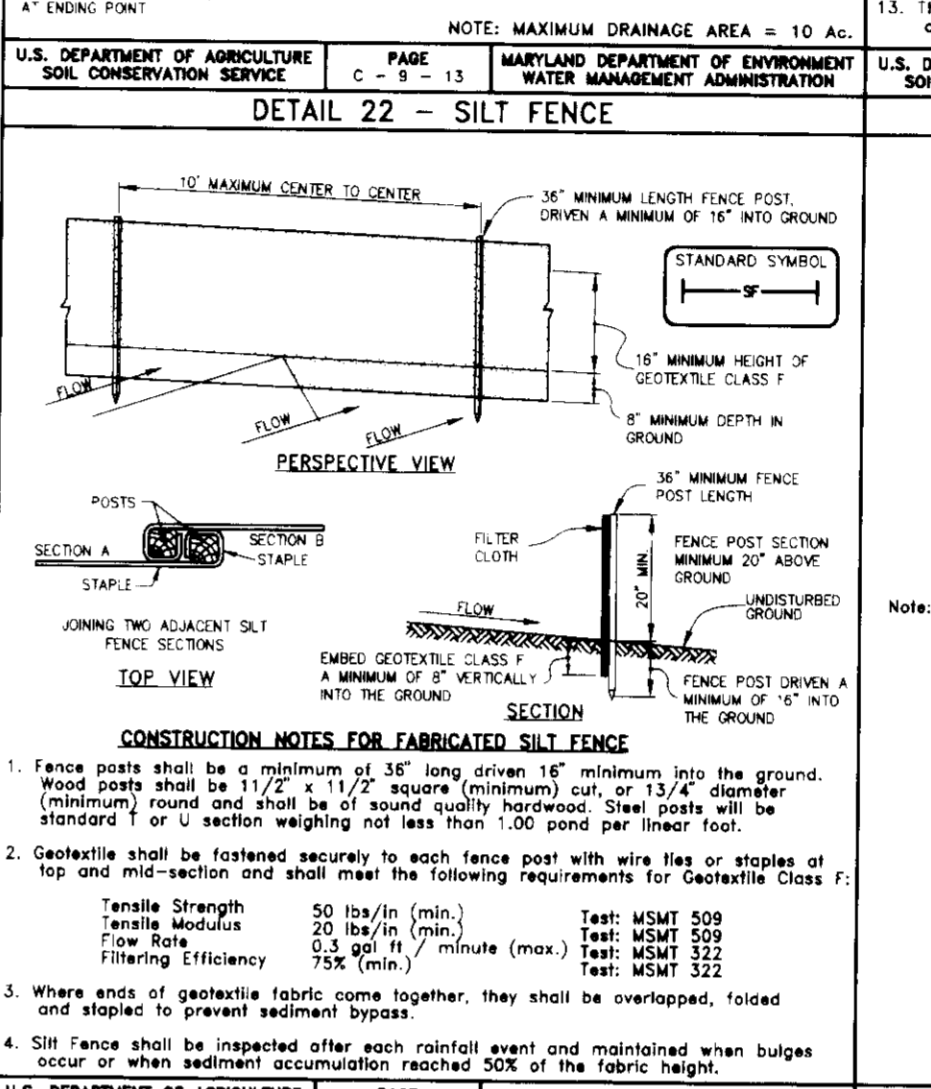
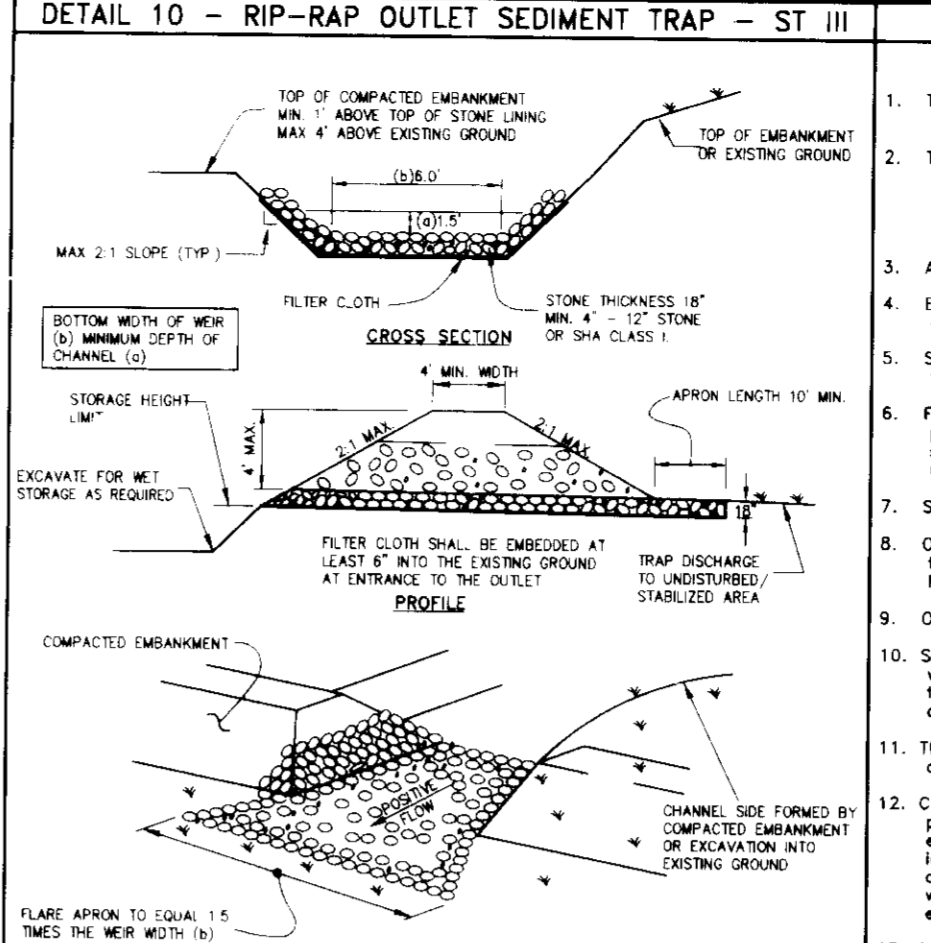
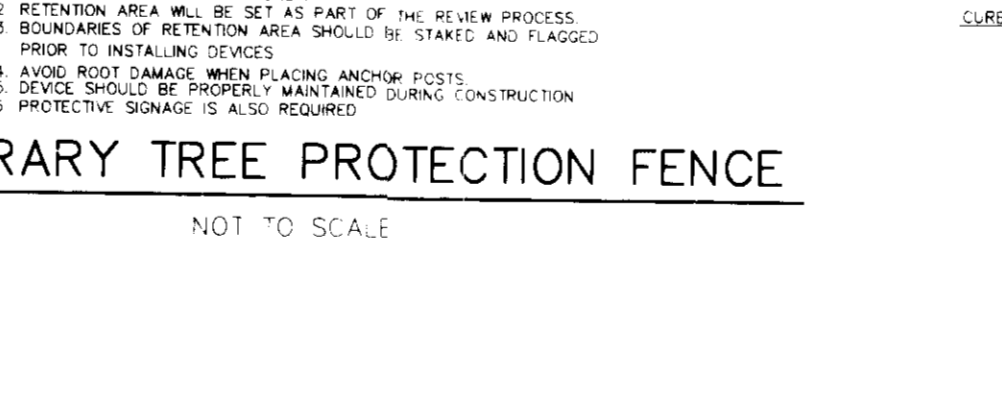
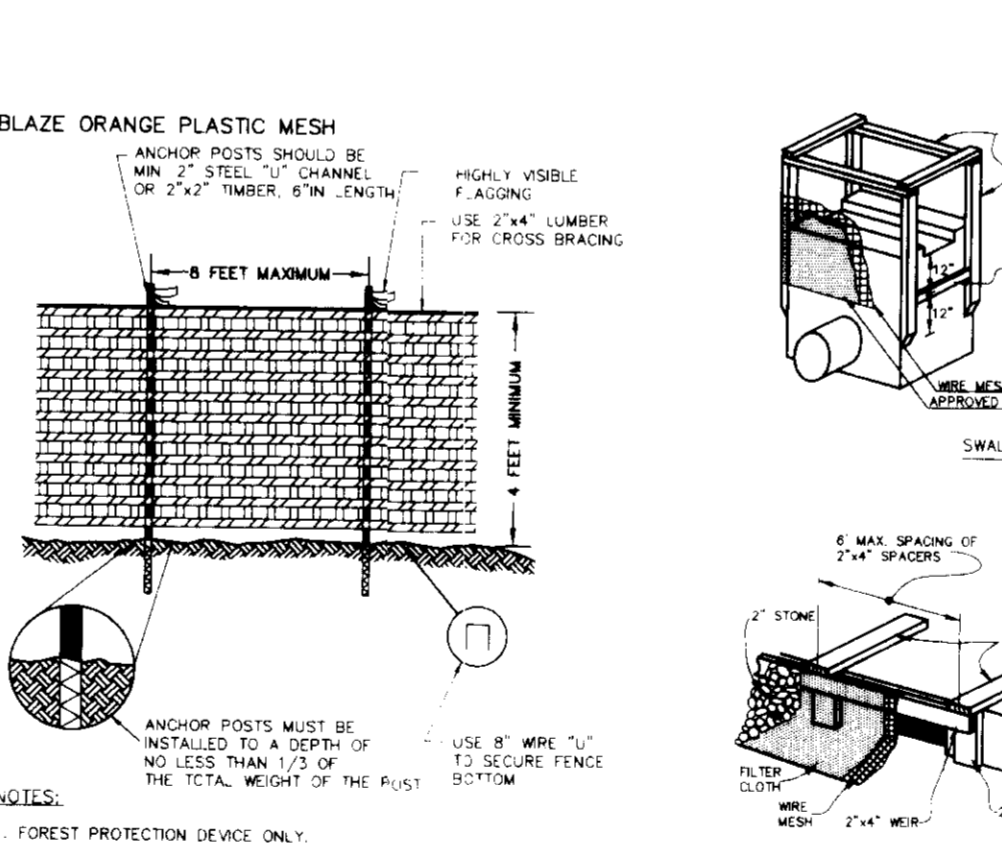
12. Construction of traps shall be carried out in such a manner that sediment pollution is obtained. Once constructed, the top and side face of the embankment shall be stabilized with seed and mulch. Points of concentrated inflow shall be protected with grass stabilization (OPTION 1) or other appropriate methods. The remainder of the interior slopes should be stabilized (one time) with seed and mulch until trap construction and maintenance is completed. Erosion free during the life of the trap.

13. The structure shall be developed by approved methods, removed and the area stabilized when the drainage area has been properly stabilized.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Fence posts shall be a minimum of 18" long driven 18" minimum into the ground. Wood posts shall be 1 1/2" diameter. Metal posts shall be 1/2" diameter. Posts shall be round and shall be of sound quality hardwood. Steel posts with diameter of 1/2" or 3/4" shall be used. Posts shall be spaced at a minimum of 10' into ground.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lb/in (min.)	Test: MSMT 509
Tensile Modulus	100 lb/in (min.)	Test: MSMT 510
Flow Rate	0.5 gal/in ² /min (max.)	Test: MSMT 511
Filtering Efficiency	75% (min.)	Test: MSMT 512
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled.
- Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.



LEGEND

—	SILT FENCE
—X—X—	SUPER SILT FENCE
X—X—X—	TREE PROTECTION FENCE
○	INLET PROTECTION
□	STABILIZED CONSTRUCTION ENTRANCE
---	LIMIT OF DISTURBANCE
---	EARTH DIKE

SEQUENCE OF CONSTRUCTION

DAY 1	OBTAIN GRADING PERMIT
DAY 2-5	INSTALL STABILIZED CONSTRUCTION ENTRANCES, TREE PROTECTION FENCE, SUPER SILT FENCE, SEDIMENT TRAP AND EARTH DIKES
DAY 6	INSTALL INLET PROTECTION AT 1-11
DAY 7-20	FINAL GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES
DAY 21-86	CONSTRUCT HOMES, INSTALL DRIVEWAYS AND UTILITIES
DAY 87-91	UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES

NOTE: OPEN SPACE LOTS 45 AND 46 SHALL BE PERMANENTLY SEEDING IN ACCORDANCE WITH CONSERVATION AREA SEEDING NOTES - SEE SHEET 4 OF 4

TEMPORARY TREE PROTECTION FENCE

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS FOR RIP-RAP OUTLET SEDIMENT TRAP - ST III

1. Excavate completely ground level to a depth of 18" below natural elevation.

2. Drive 2 x 4 post 1' into ground at four corners of site. Place nail strips between posts on ends of site. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (web) must be 6" above edge of roadway adjacent to site.

3. Stretch wire mesh tightly around frame and fasten securely. Ends must meet post.

4. Stretch filter cloth slightly over wire mesh. The cloth must extend from top of frame to 18" below natural elevation. Fasten securely to frame. Ends must meet at post. Be overlapped and folded, then fastened down with notch elevation on ends and top elevation on sides.

5. Backfill ground area in completed 1/2" lower until level of earth is even with notch elevation on ends and top elevation on sides.

6. In the area of the post at the point, construct a compacted earth core in the dike below it. The top of this dike is to be at least 2" higher than the top of same dike.

7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged.

8. Cut soil protection.

9. Attach a continuous piece of wire mesh (30" min width by throat length plus 4") to the 2"x4" web (measuring throat length plus 2") on shown on the standard drawing.

10. Place a piece of approved filter cloth (40-85 level) of the same dimensions as the wire mesh and wire mesh and securely attach to the 2"x4" web.

11. Securely nail the 2"x4" web to 9" long vertical spacers to be located between the rear and steel face (back of dike).

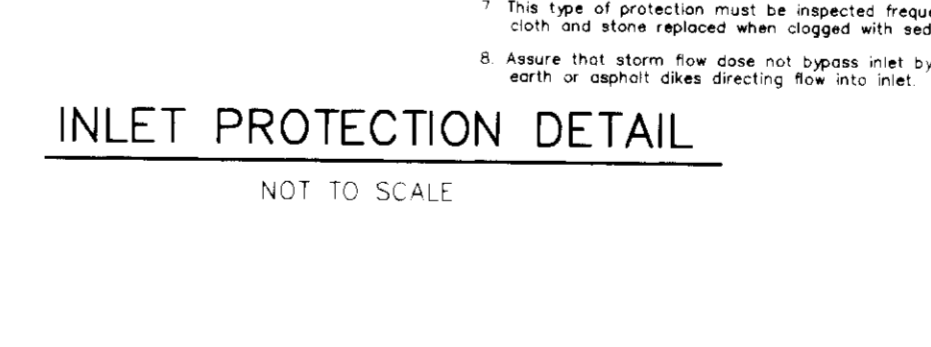
12. Place the assembly against the steel throat and nail (min. 2") length of 2"x4" to the top of the web space locations. These 2"x4" anchors shall extend across the inlet top and be held in place by notches or alternate weight.

13. The assembly shall be placed so that the ends and spacers are a minimum 1" beyond both ends of the throat opening.

14. From the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place 1/2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.

15. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.

16. Assume that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



DRIP RAP OUTLET SEDIMENT TRAP

DRAINAGE AREA:	2.20 AC
STORAGE REQUIRED:	11,880 CF
STORAGE PROVIDED:	12,145 CF
BOTTOM ELEVATION:	89.00
CREST ELEVATION:	95.00
EMBANKMENT ELEVATION:	96.00
CLEAROUT ELEVATION:	92.00
STORAGE ELEVATION:	93.5
(a) DEPTH:	1.5
TOP ELEVATION:	98.00

STONE OUTLET SEDIMENT TRAP

DRAINAGE AREA:	0.27 AC
STORAGE REQUIRED:	972 CF
STORAGE PROVIDED:	1200 CF
BOTTOM ELEVATION:	92.5
CREST ELEVATION:	95.0
EMBANKMENT ELEVATION:	96.0
CLEAROUT ELEVATION:	93.15
CREST WIDTH:	4.0

