SHEET INDEX DESCRIPTION TITLE SHEET ROAD PLAN AND PROFILE DRAINAGE AREA MAP & STORM DRAIN PROFILE GRADING, SEDIMENT & EROSION CONTROL, AND LANDSCAPE PLAN SEDIMENT CONTROL NOTES AND DETAILS FOREST CONSERVATION PLAN FOREST CONSERVATION NOTES AND DETAILS

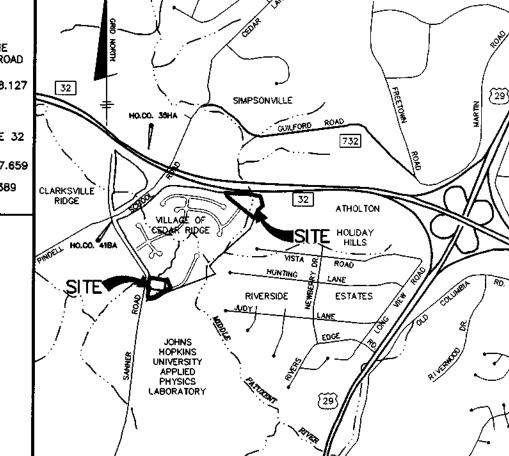
ROAD AND STORM DRAINAGE VILLAGE OF CEDAR RIDGE SECTION 2

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



STAMPED CONC. MONUMENT LOCATED AT THE NORTHWEST CORNER OF PINDELL SCHOOL ROAD AND SANNER LANE. N 551789.4787 STAMPED CONC. MONUMENT LOCATED 3.5'±
BEHIND THE GUARD RAIL SOUTH OF MD RTE 32
500'± WEST OF PINDELL SCHOOL ROAD

USED FOR VERTICLE CONTROL.



VICINITY MAP SCALE: 1'' = 2000'

GENERAL NOTES

- . ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT HOWARD COUNTY DESIGN MANUAL VOL. IV PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.

- 4. PROJECT BACKGROUND :
 LOCATION : PARCEL 68 TAX MAP 41 AND P/O PARCEL 116 TAX MAP 35
 ZONING : RED
 TOTAL TRACT AREA : 7.98 AC.
- NUMBER OF PROPOSED LOTS : 8 BUILDABLE AND 3 OPEN SPACE

- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.

- 11. WATER AND SEWER FOR THIS SUBDIVISION IS PUBLIC, AND PROVIDED UNDER THE VILLAGE OF CEDAR RIDGE, SECTION F-98-52. DRAINAGE AREA IS PATUXENT. CONTRACT NUMBERS 34-3652-D AND 34-3662-D.
- 12. WETLANDS DELINEATION COMPILED BY ECO-SCIENCE PROFESSIONALS INC. DATED MARCH,
- 14. NOISE STUDY PREPARED BY TSA GROUP, INC. ON FEB., 1998, APPROVED 1-6-9
- 15. EXISTING UTILITIES WERE LOCATED BY RECORD DRAWINGS AND/OR FIELD RUN SURVEY BY TSA GROUP, INC., 5/95. CONTRACTOR IS RESPONSIBLE FOR VARIFYING THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF
- 16. UNLESS NOTED AS "PRIVATE" ALL EASEMENTS ARE PUBLIC.
- 17. STORMWATER MANAGEMENT AND WATER QUALITY FOR THIS PROJECT WAS PROVIDED UNDER THE VILLAGE OF CEDAR
- 18. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, WETLANDS BUFFERS, STREAM BUFFERS O FOREST CONSERVATION RETENTION AREAS.
- 20. A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN TREES AND STREET LIGHTS.

NO. DATE REVISION



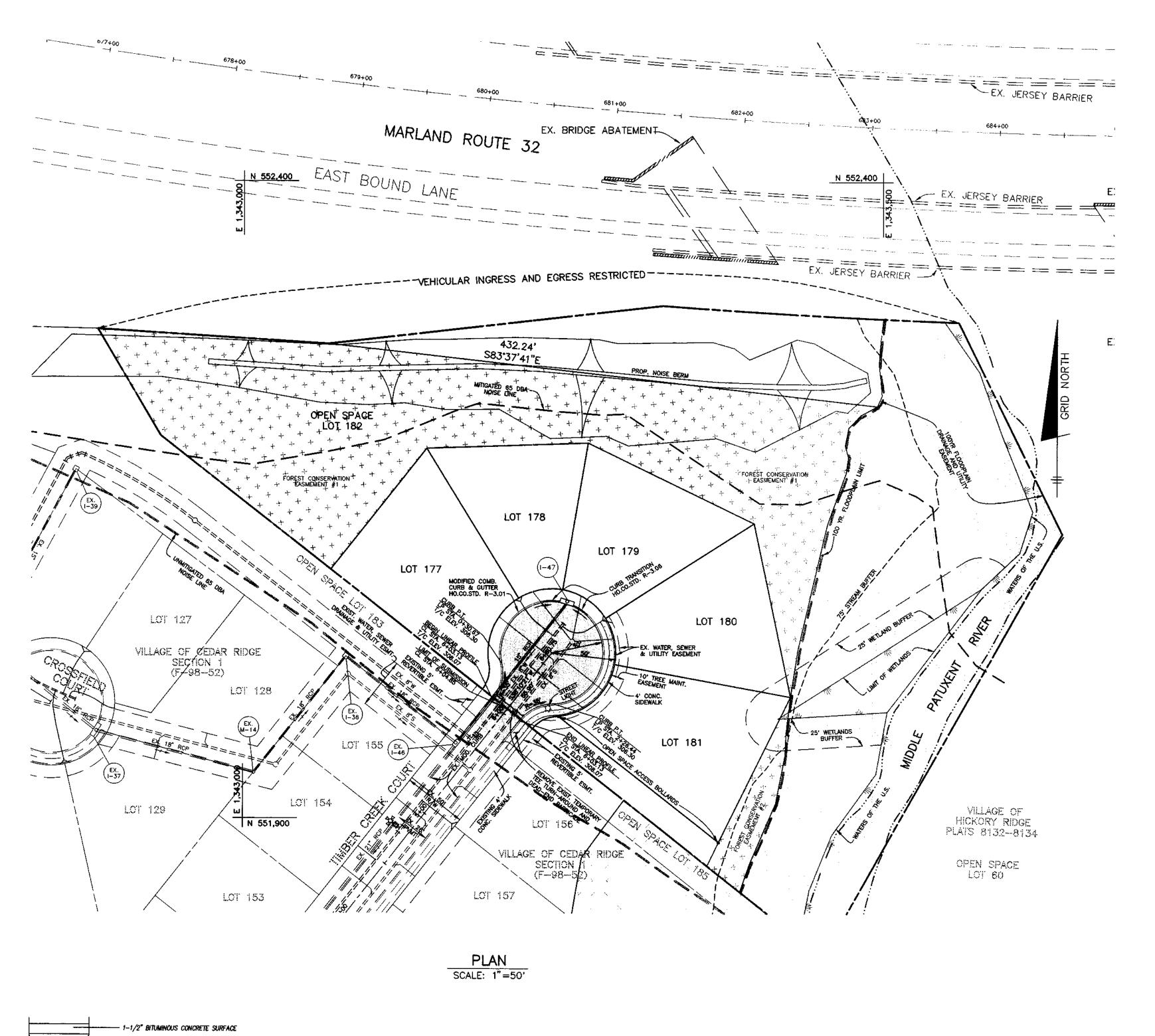
8480 BALTIMORE NATIONAL PIKE . SUITE 418 . ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644

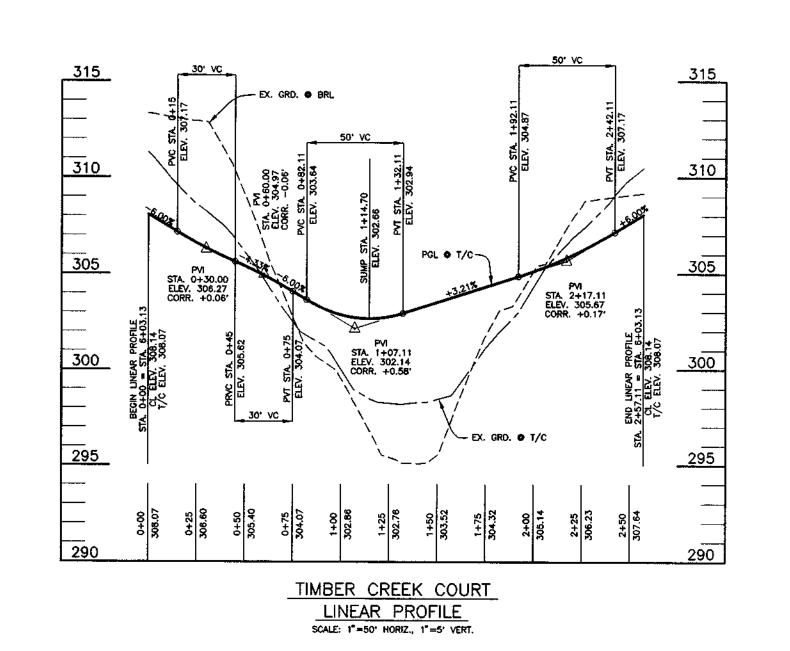


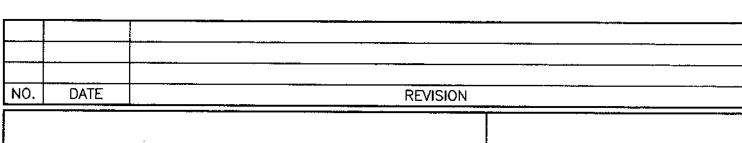
VNERS: TOLL MD LIMITED PARTNERSHIP A MD LIMITED PARTNERSHIP 3206 TOWER OAKS BOULEVARD SUITE 310 ROCKVILLE, MARYLAND 20852	PROJECT: VILLAGE OF CEDAR RIDGE SECTION 2 A SUBDIVISION OF PARCEL 68, TAX MAP 41; P/O PARCEL 116, TAX MAP AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 OF THE VILLAGE OF CEDAR RIDGE, SECTION 1
SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244	LOCATION: TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION 1 PARCEL 68, AND P/O PARCEL 116; TAX MAP 35 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
VELOPER: SDC GROUP, INC. P.O. BOX 417	TITLE: TITLE SHEET
ELLICOTT CITY, MARYLAND 21041 410-465-4244	SP-97-02 PB-319 PB 312 F-98-52 SP-98-14 F-93-

SP-97-02 PB-319 PB 312 F-98-52 SP-98-14 F-93-70 DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM SCALE: AS SHOWN SHEET <u>1</u> OF <u>7</u>

F-99-70







BENCHMARK ENGINEERS . LAND SURVEYORS . PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE . SUITE 418 . ELLICOTT CITY, MARYLAND 21043



	PHONE: 410-465-6105	FAX: 410-46	5-6644
7	OWNERS: TOLL MD LIMITED PARTNERSHIP		PROJECT: VIL

NËRS: TOLL MD LIMITED PARTNERSHIP A MD LIMITED PATNERSHIP 3206 TOWER OAKS BOULEVARD SUITE 310 ROCKVILLE, MARYLAND 20852	PROJECT: VILLAGE OF CEDAR RIDGE SECTION 2 A SUBDIVISION OF PARCEL 68, TAX MAP 41; P/O PARCEL 116, T AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 VILLAGE OF CEDAR RIDGE, SECTION 1
SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041	LOCATION: TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SE PARCEL 68, AND P/O PARCEL 116; TAX MAP 35

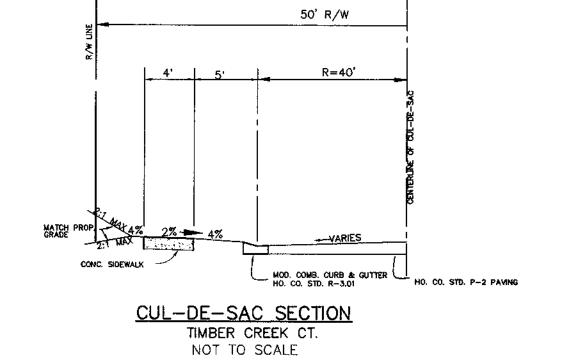
ROCKVILLE, MARYLAND 20852	AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 OF THE VILLAGE OF CEDAR RIDGE, SECTION 1
SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244	LOCATION: TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION PARCEL 68, AND P/O PARCEL 116; TAX MAP 35 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
VELOPER: SDC GROUP, INC. P.O. BOX 417	TITLE: ROAD PLAN AND PROFILE
ELLICOTT CITY, MARYLAND 21041 410-465-4244	SP-97-02 PB-319 PB 312 F-98-52 SP-98-14 F-93

 SP-97-02
 PB-319
 PB 312
 F-98-52
 SP-98-14
 F-93-70

 DATE:
 OCTOBER, 1998 JANUARY, 1999
 PROJECT NO. 1088
 DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM

SHEET 2 OF 7

SCALE: AS SHOWN F-99-70



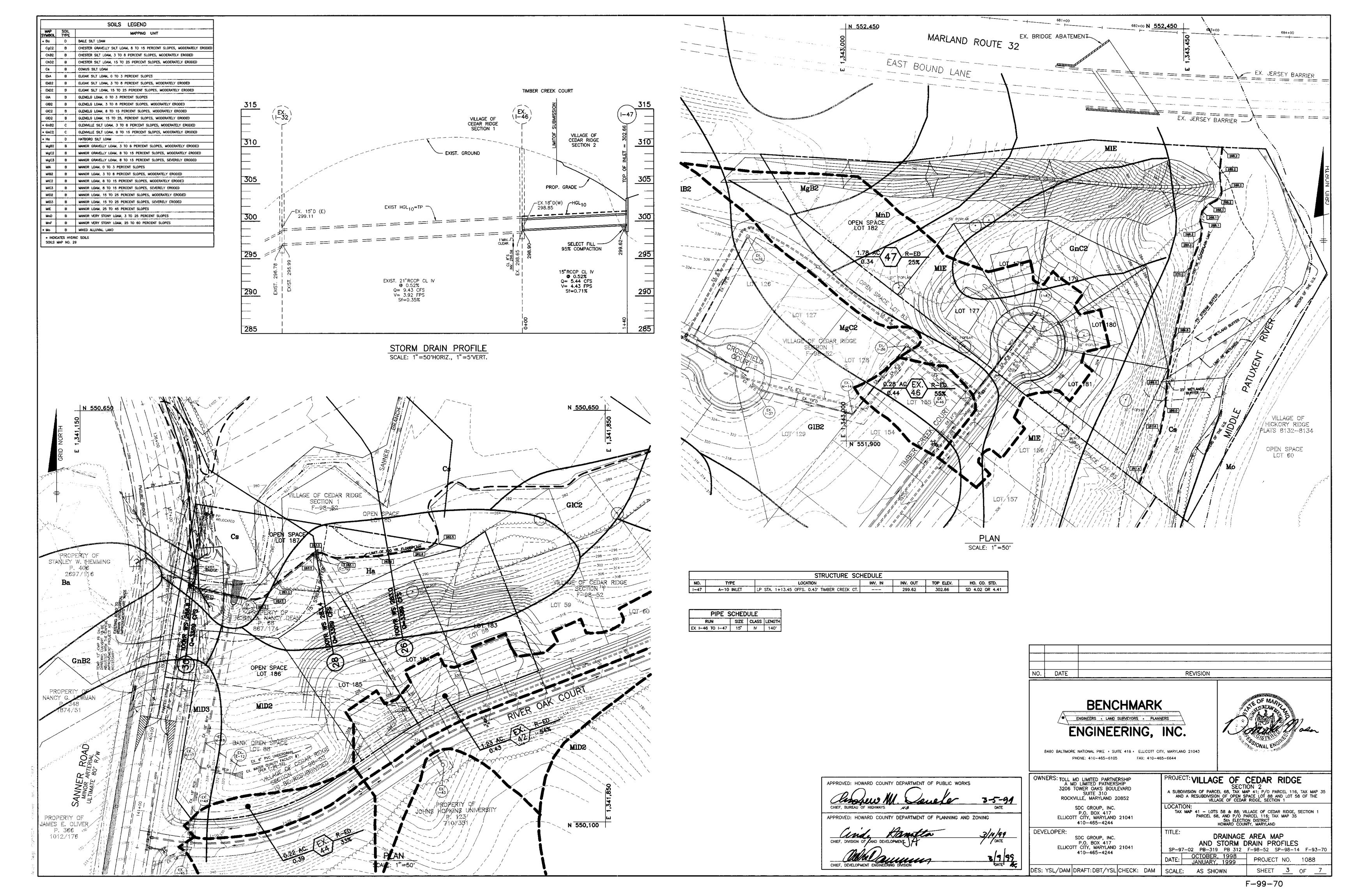
---- 5" BITUMINOUS CONCRETE BASE FULL DEPTH BITUMINOUS CONCRETE ALTERNATE ---- 1-1/2" BITUMINOUS CONCRETE SURFACE GRANULAR BASE ALTERNATE PAVING SECTION P-2 NOT TO SCALE

NOTE: ALL ROADS ARE TO BE PUBLIC ROADS STREET LIGHT SCHEDULE DESCRIPTION 100 WATT HPS VAPOR TRADITIONAIRE POST TOP MOUNTED ON 14' BLACK FIBERGLASS POLE TIMBER CREEK COURT LP STA. 2+30.99 OFFS. 3.00°

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

3-5-99



PEF		IEDULE A LANDSCAPE	EDGE
CATEGORY	ADJACENT	TO ROADWAYS	ADJACENT TO PERIMETER PROP.
LANDSCAPE TYPE	(A) B	⊗ B	© A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	676'	210' ①	565'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	② YES, 565'
CREDIT FOR WALL, FENCE OR BERM (YES, NO. LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO
NUMBER OF PLANTS REQUIRED SHADE TREES (1:50) EVERGREEN TREES (1:40) OTHER TREES (2:1 SUBSTITUTE) SHRUBS	676 LF. 14 17 —	210L.F. 4 6 — —	0 LF. 0 –
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS (10:1 SUBSTITUTE) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	14 17 —	4 6 - -	0 - - -

¹ AREA NOT PREVIOUSLY PART OF SECTION 1 PLANS F-98-52.

2 EXISTING WOODS WITH WIDTH 20' OR GREATER.

PROPERIY OF

STANKEY W. HEMMING P. 406 2697/11**6**

 $\langle B \rangle$

P. 348 UNDER F-98-52 UNPROVEMENT

PROPERIY OF NANCY G. LEWMAN

PROPERTY OF

JAMES E. OLIVER P. 366 1012/176

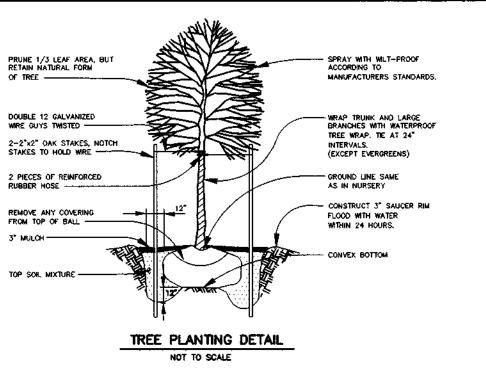
	LANDSCAPE PLANTING LIST			
SYMBOL	QUANTITY	NAME	REMARKS	
	102	PLANTANUS ACERFOLIA 'BLOODGOOD' (Bloodgood London Plane)	2 1/2" MIN. CAL. B&B FULL HEAD	
	162*	PINUS STROBUS (Eastern White Pine)	5'-6' ht. UNSHEARED	
<u>%</u> >	59*	CUPRESSOCYPARIS LEYLANDII (Leyland Cypress)	5'-6' HEIGHT	
	85*	TILIA CORDATA 'GREENSPIRE' (Greenspire Littleleaf Linden)	2 1/2" MIN. CAL. B&B FULL HEAD	
Ö.	104*	ACER RUBRA (Red Maple)	2 1/2" MIN. CAL. B&6 FULL HEAD	
	193*	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&8 FULL HEAD	
0	18	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&B FULL HEAD	
**	23	PINUS STROBUS (Eastern White Pine)	5'-6' ht. UNSHEARED	
* PER F-98-52				

1			
0	18	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&B FULL HEAD
**	23	PINUS STROBUS (Eastern White Pine)	5'-6' ht. UNSHEARED

STREET TREE PLANTING LIST			
SYMBOL	QUANTITY	NAME	REMARKS
0	6	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&B FULL HEAD

BRANCH

ILLAGE OF CEDAR RIDGE SECTION 1



~ 710/851,

- 1. TREES SHOULD BE PLANTED A MINIMUM OF 6 FEET FROM THE EDGE OF PAVING AND MUST BE A MINIMUM OF 5 FEET FROM ANY STORM DRAIN.
- 2. TREES MUST BE PLANTED A MINIMUM OF 5 FEET FROM AN OPEN SPACE ACCESS STRIP AND 10 FEET FROM A DRIVEWAY.
- 3. SEE TREE PLANTING DETAIL THIS SHEET.
- 4. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MAUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING TREES IN THE AMOUNT OF \$8.850.00 MUST BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT.

N <u>550,650</u>

N 550,100



682+00 N <u>552,450</u>

N 552,450

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, (313-1850).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES 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.
 - 7.98 **ACRES** TOTAL AREA OF SITE AREA DISTURBED 0.44 AREA TO BE ROOFED OR PAVED <u> 3.38</u> AREA TO BE VEGETATIVELY STABILIZED 1152 TOTAL CUT 32811 TOTAL FILL F-98-52 OFFSITE WASTE/BORROW AREA LOCATION
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES. APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER 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.

ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED. IF DEEMED NECESSARY BY THE

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.

TEMPORARY SEEDBED PREPARATIONS

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). SEFDING: 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 (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/TO00 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GÁLLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDBED PREPARATIONS

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 ON OF THE FOLLOWING

- 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 INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0- UREAFORM FERTILIZER
- 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 THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 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. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

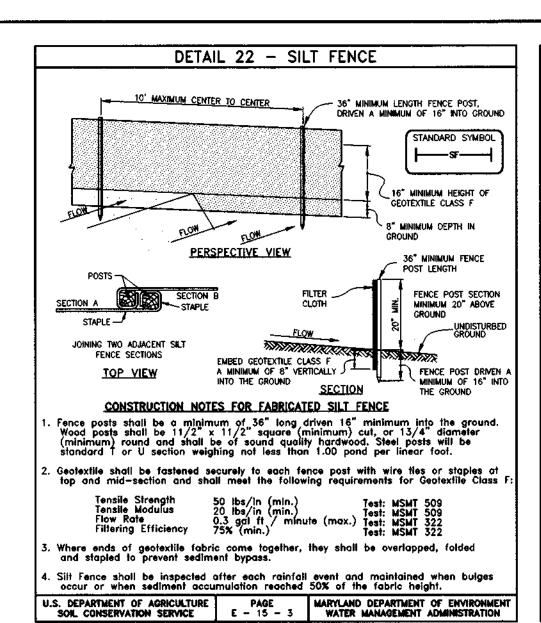
MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

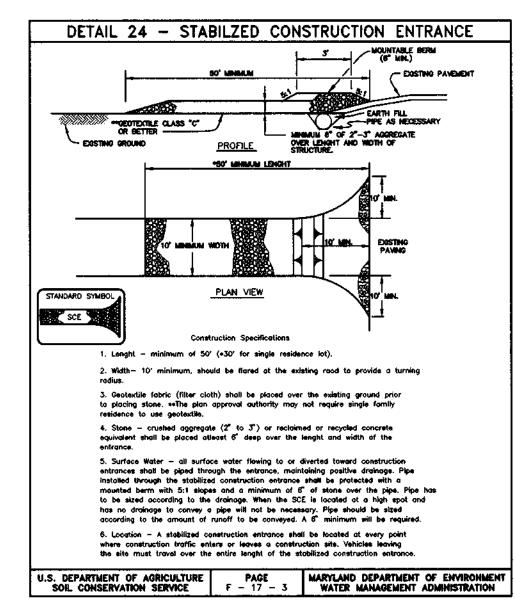
TOPSOIL SPECIFICATIONS

Topsoil salvaged from the existing site may be used provided that it meets that standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published

- II. Topsoil Specifications Soil to be used as topsoil must meet the following
- Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than $1-1/2^{\prime\prime}$ in diameter.
- Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified.
- iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- III. For sites having disturbed areas under 5 acres
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section ! Vegetative Stabilization Methods and
- IV. For sites having disturbed areas over 5 acres:
- On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - b. Organic content or topsoil shall be not less than 1.5 percent by weight.
- Topsoil having soluble salt content greater than 500 parts per million shall
- d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.
- Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist o soil scientist and approved by the appropriate approval authority, may be used in lieu of

Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization — Section I — Vegetative Stabilization Methods and Materials.

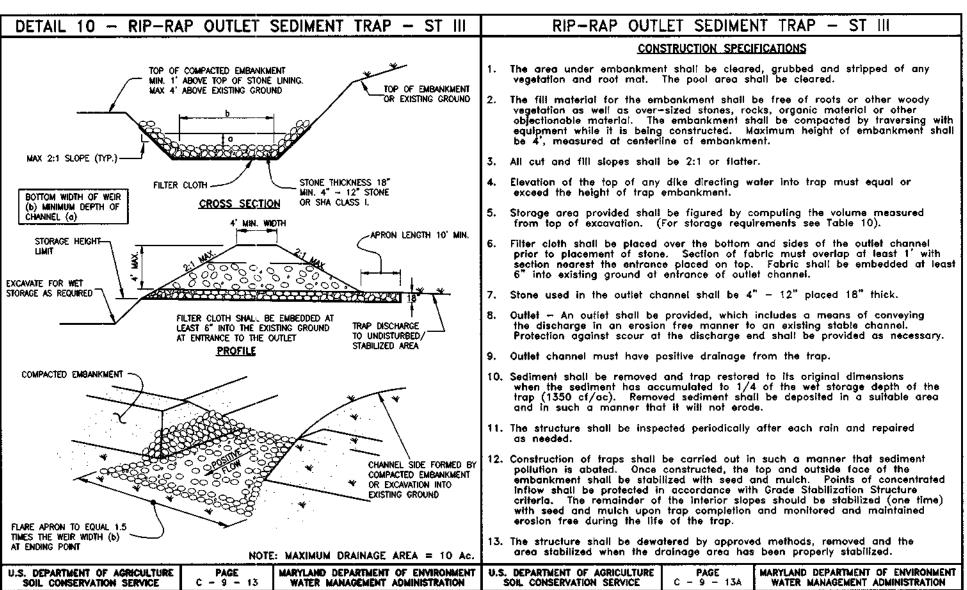


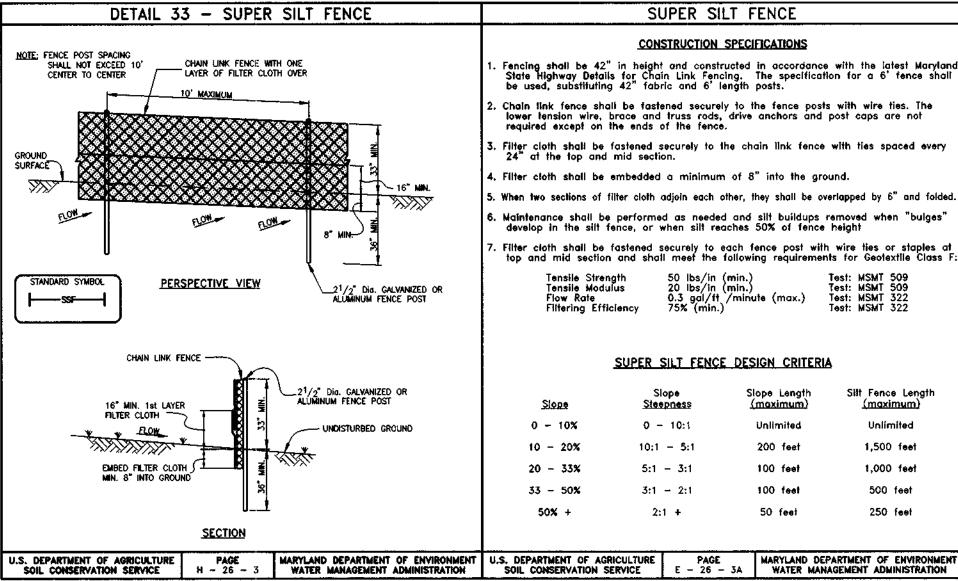


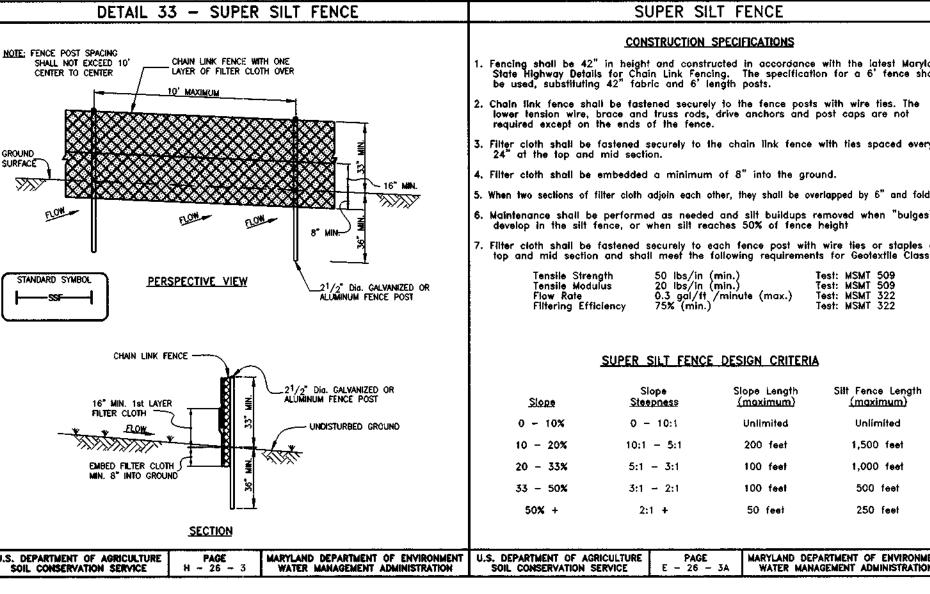
- V. Topsoil Application
- When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, earth dikes, slope silt fence and sediment traps and basins.
- ii. Grades on the great to be toppoiled, which have been previously established, shall be maintained, albeit 4''-8'' higher in elevation.
- iii. Topsoil shall be uniformly distributed in a 4" 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
- iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.
- VI. Alternative for Permanent Seeding Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified
- Composted Studge Material for use as a soil conditioner for sites having distributed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
 - Composted studge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
- Composted studge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.
- c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- of 4 lb/1,000 square feet, and 1/3 the normal time application rate. References: Guidelines Specifications, Soil Preparation and Sodding. MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes,

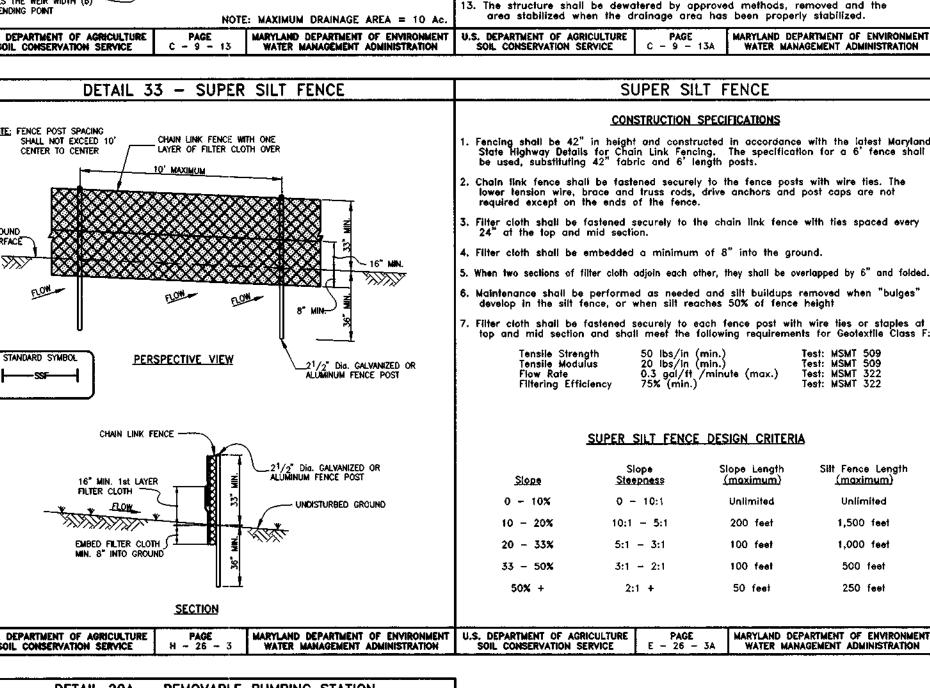
SEQUENCE OF CONSTRUCTION

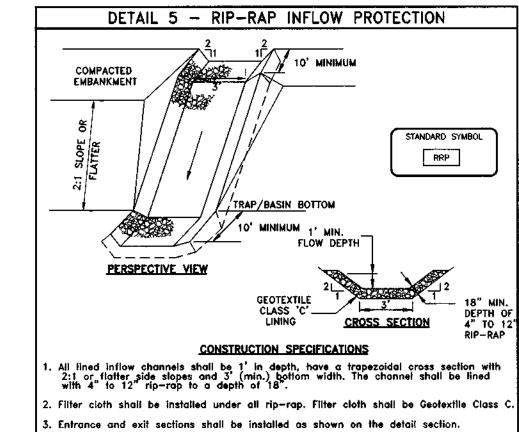
- NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF CONSTRUCTION
- INSTALL STABILIZED CONSTRUCTION ENTRANCES, TREE PROTECTION FENCES, SILT FENCES, AND SUPER SILT FENCES. (DAY 1-2).
- INSTALL TEMPORARY SEDIMENT TRAP AND EARTH DIKES. INSTALL STORM DRAIN FROM EX. 1-46 TO 1-47. (DAY 3-7).
- . UPON APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, COMMENCE ROAD AND SITE GRADING. SUBGRADE SHALL BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDBED
- 5. UPON APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, COMMENCE WITH UTILITY CONSTRUCTION (DAY 14-16).
- 6. INSTALL CONCRETE CURB AND GUTTER. (DAY 17). 7. INSTALL PAVING. (DAY 18).
- . COMPLETE FINAL GRADING OF SITE (TO EXTENT POSSIBLE), REDISTRIBUTE TOPSOIL OVER SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES. SEE SEDIMENT CONTROL STD. AND SPEC. G-21-1 FOR TOPSOIL SPECIFICATIONS. INSTALL EROSION CONTROL MATTING IN SWALES AS DESIGNATED ON PLANS. (DAY 19-20).
- UPON THE APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT TRAP. COMPLETE FILL WITHIN THE TRAP AREA. STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDBED NOTES. (DAY 21-22).



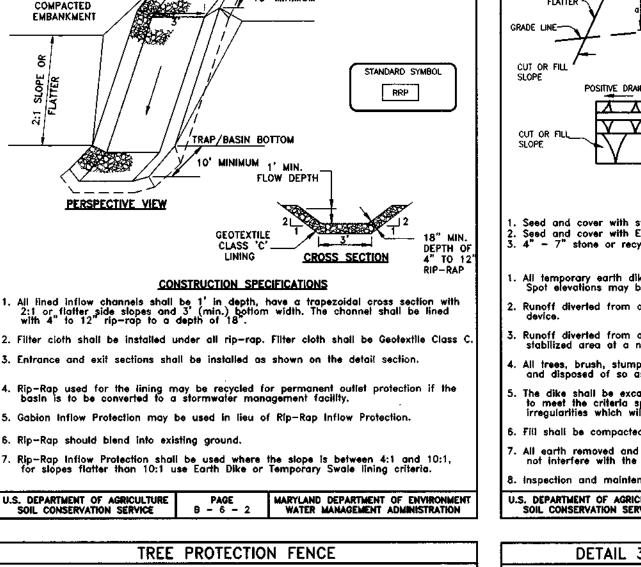


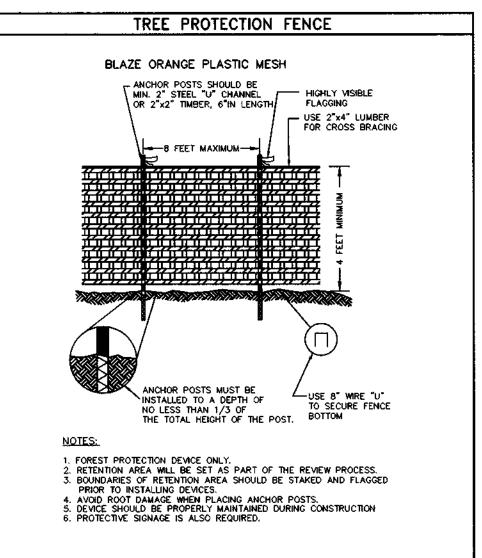


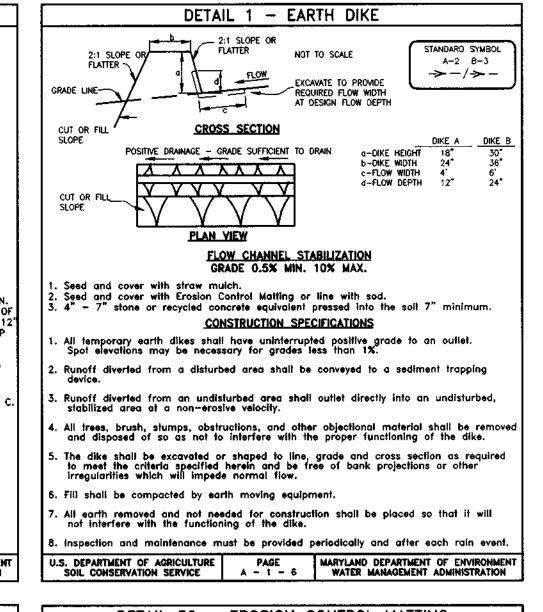


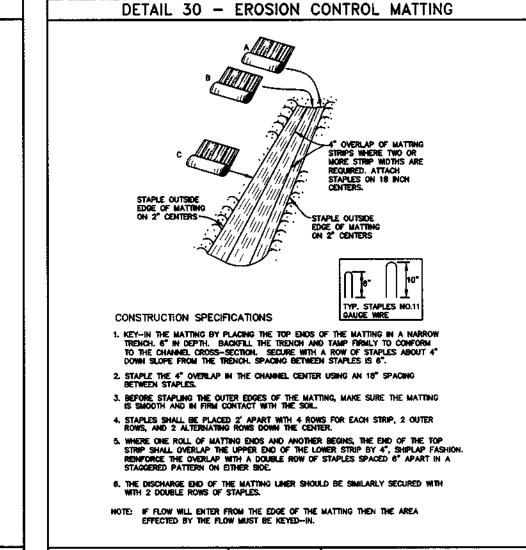


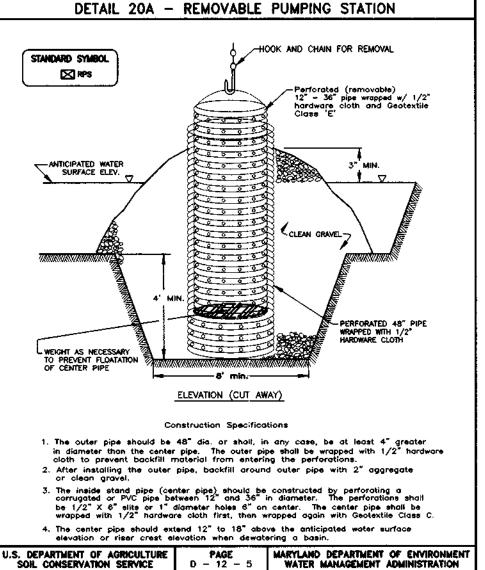
5. Gabion Inflow Protection may be used in lieu of Rip-Rap Inflow Protection.

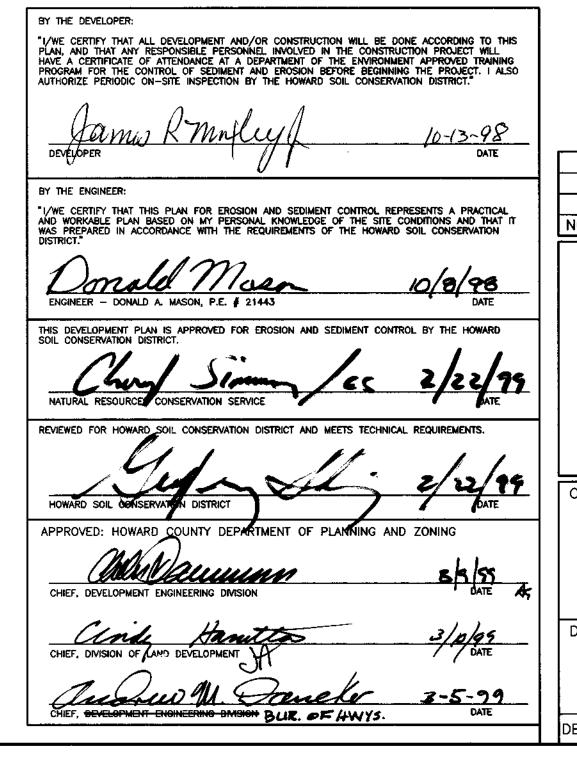


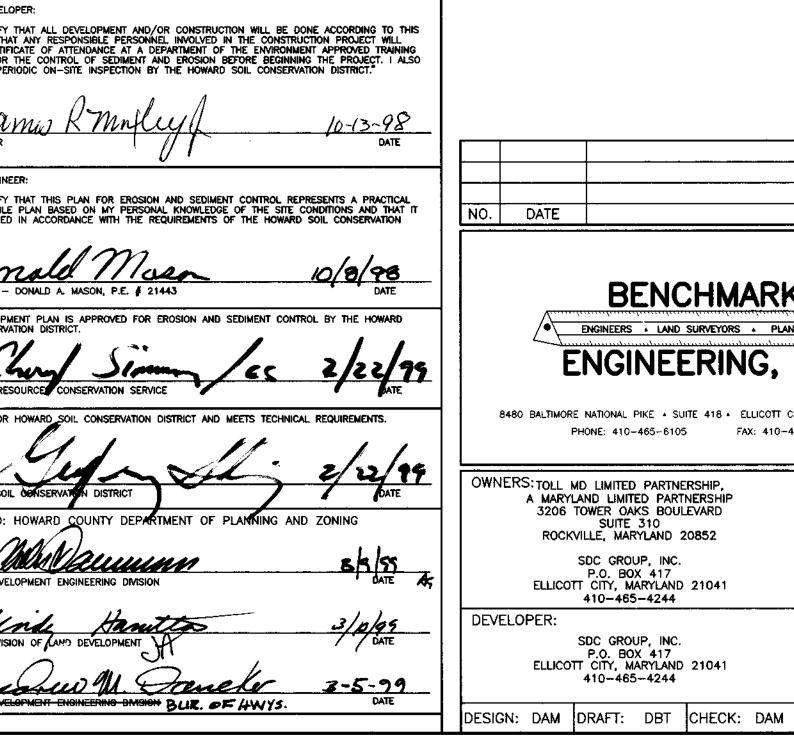


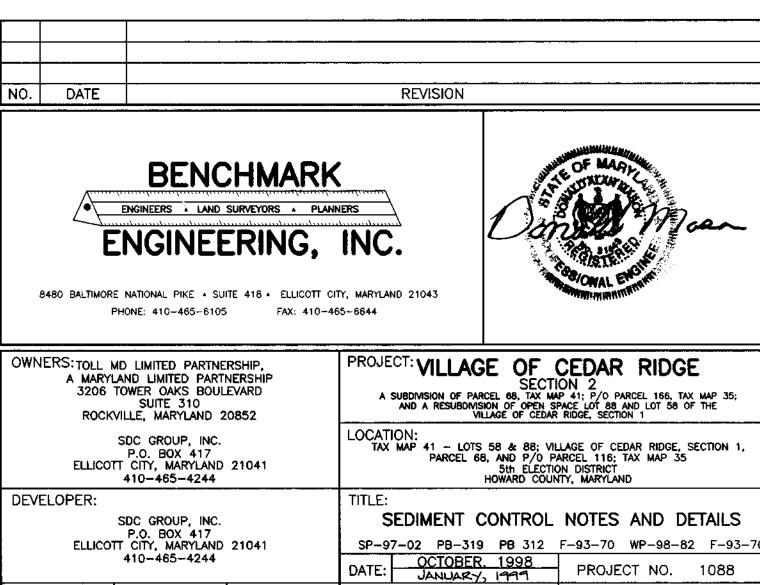






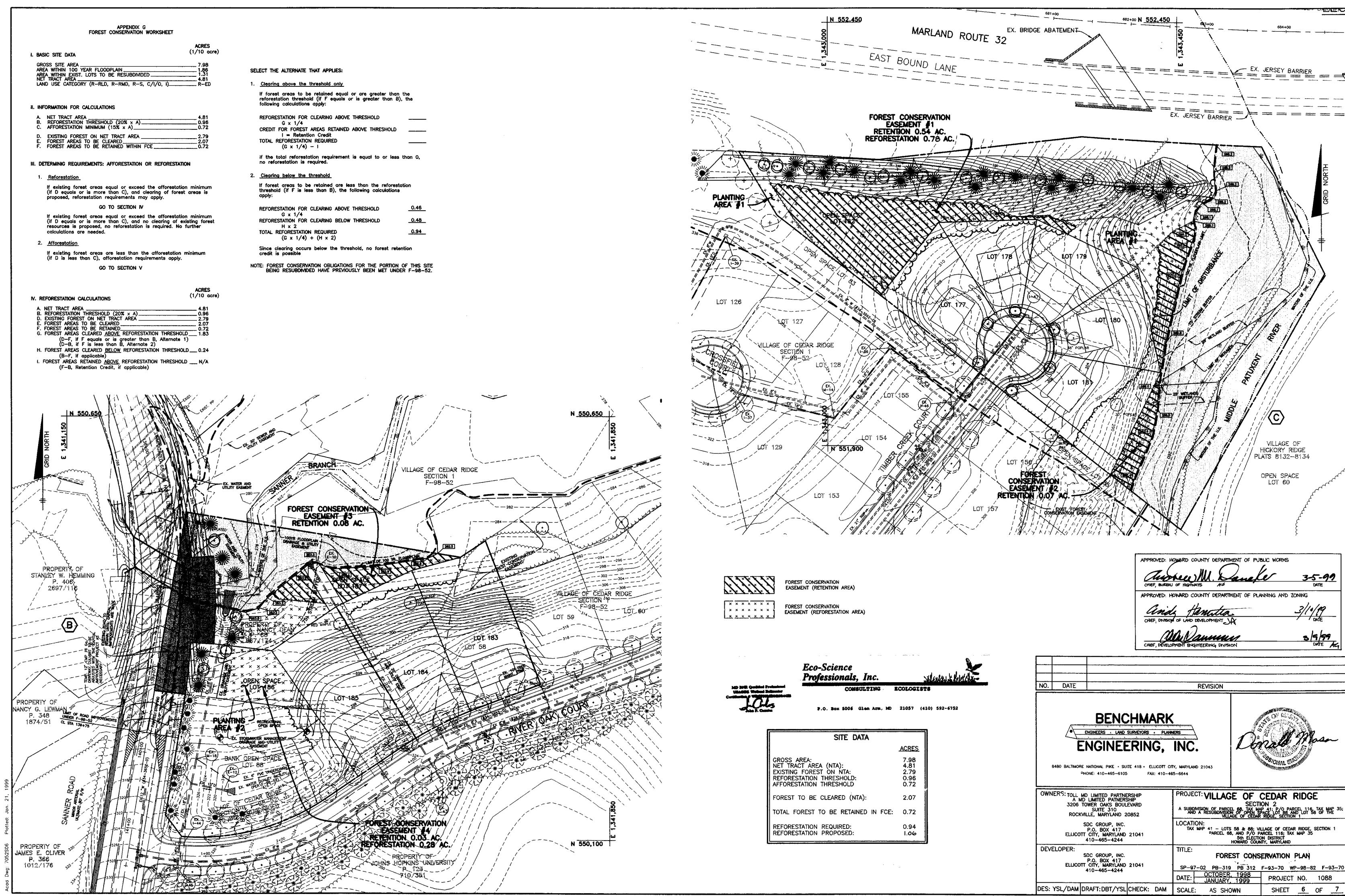


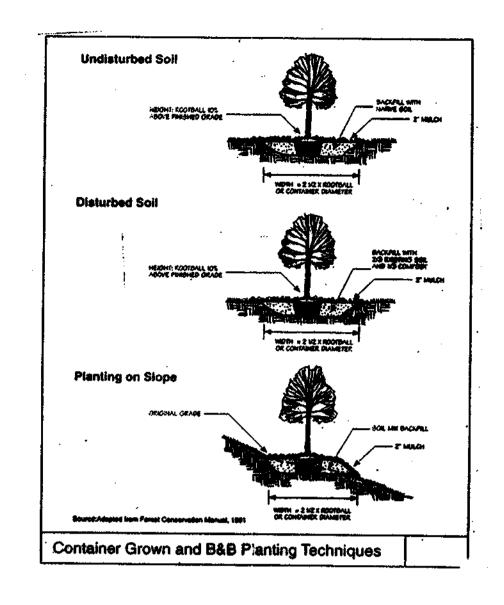


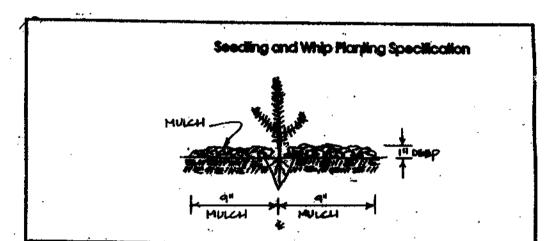


SCALE: NOT TO SCALE

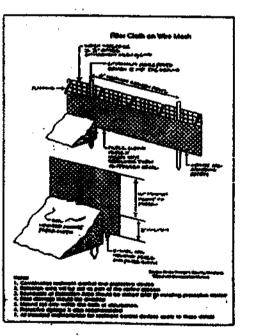
SHEET <u>5</u> OF <u>7</u>

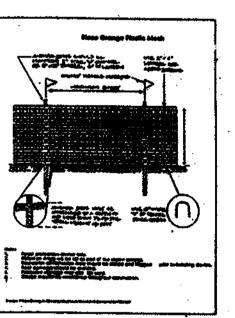






Temperary Protective Fencing





Planting Seil Specifications

Planting of surrorry stock shall take place between March 15th and April 30th.

A twelve (12) includes of topsell shall be opened over all femalesian mean impacted by site e a unitable planting area. Disturbed areas shall be readed and stabilized as New plan for project. Planting areas not imposted by site grading shall have All bestreet pleasing stock thall have their root systems dipped into an anti-desirent gr

prior to pleating.

Pleate shall be installed so that the top of root mass is level with the top of existing grade. Bookfall in the planting pite shall comist of 3 parts existing cell to 1 part piece flass or equivalent Partilleur shall commist of Agriform 22-9-3, or equivalent, applied as par assumbstance

specifications.

A two (2) inch layer of hardwood mujch shall be placed over the seet area of all plantings.

Heat material shall be transported to the site in a temped or covered track. Planta shall be layer. maint prior to planting. All sun-organic delicis successful with the planting operation shall be removed from the site by

Semence of Construction

Sediment control and two pretection devices shall be installed in accordance with general construction plan for site. Site shall be graded in accordance with general construction plans. Proposed furnitions once improved by site grading shall be topocified and stabilized as par #3 of Fluxing/Buil Specifications for project. Plants shall be installed as per Fluxt Schodule and the Fluxing/Buil Specifications for the project.

Upon completion of the planting, signage shall be installed as por the Permt Postaction the shows on the Permt Conservation Plan.

Plantings shall be maintained and granuteed in accordance with the Maintanance makes enquirements for project.

intenence of Playtings

Mointmence of plannings shall last for a period of 24 months.
All plant material chall be watered trains a specific during the last growing season. Water a mostle during May-September, Passaled. Invasive consists and sensions weeds will be superved from flowardsing o mountained openion will be estained. Plants will be examplesed a minimum two

and discusse. Serious postless will be treated with the appropriate agent.

Dead branches will be present from pleasings.

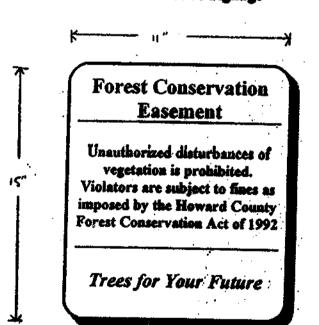
A 75 percent corrièred rate of florestetless plantings will be required at the and of the 24 months maintenance period. All plant material below the 75 percent threshold will be explored at the beginning of the most growing. After one growing amount, plant material shall be maintenant of the period of the second of the state of the second of the seco maintained at 90% convival threshold.

The contractor will must be liable for plant less due to that ar vandalism.

Surety for Referentation

The developer shall goet a cusety (band, latter of coedic) to cursue that sufferentiation planting are completed. Upon acceptance of the plantings by the County, the band shall be subsect.

Permanent Protective Signage



PLANTING SCHEDULE

PLANTING AREA		SPECIES	SIZE	SPACING
#1 0.78 AC.	#Z 0.28 AC.			
QUA	YIIIY			
8	z	ACER RUBRUM - RED MAPLE	1" CAL.	##
8	2	LIRIODENDRON TULIPIFERA — TULIP POPLAR	1" CAL.	##
27	Ю	ACER RUBRUM - RED MAPLE	2-3' WHIP	**
27	9	CORNUS FLORIDA - FLOWERING DOGWOOD	2-3' WHIP	**
27	н	URIODENDRIN TULIPIFERA - POPLAR	2-3' WHIP	**
27	9	PLATANUS OCCIDENTALIS — SYCAMORE	2-3' WHIP	**
27	9	PRUNUS SEROTINA BLACK CHERRY	2~3' WHIP	**
27	10	QUERCUS RUBRA - RED OAK	2-3' WHIP	**
27	10	QUERCUS VELUTINA BLACK OAK	2-3' WHIP	**
27	ю	SASSAFRAS ALBIDUM — SASSAFRAS	2-4' WHIP	**
27	٩	VIBURNUM PRUNIFOLIUM - BLACKHAW	18-24" B.T.	**

KEY:

CAL. - CALIPER
CONT. -- CONTAINER GROWN
B.T. -- BRANCHED TRANSPLANT

- ONE INCH CALIPER TRESS SHALL BE PLANTED, AS SHOWN BY . SPECIES MAY BE RANDOMLY MIXED.

** -- TREES AND SHRUBS SHALL BE PLANTED, ON AVERAGE, AT A SPACING OF 11 FEET ON CENTER, NOT IN A GRID PATTERN. LIMITED CLUMPING OF SHRUBS IS PERMITTED.

FCP NOTES

- 1. Amy Forest Conservation Ensement (FCE) area shown hereon is subject to protective covenants which may be found in the Land Records of Moward County which restrict the disturbance and use of these areas.
- 2. Revested areas occurring outside of the FCE shall not be considered part of the PCE and shall not be subject to protective land covenants.
- 3. Limits of disturbance shall be restricted to areas outside the limit of temperary funcing or the PCE boundary, whichever is greater.
- 4. There shall be no clearing, grading, construction or disturbance of wegetation in the Ferest Conservation Resoment, except as permitted by Hisward County DPZ.
- No stockpiles, parking areas, equipment cleaning areas, etc. shall occur within areas designated as Forest Conservation Encoments.
- Temporary fencing shall be used to protect forest resources during construction. The fencing shall be placed along all FCE boundaries which occur within 15 feet of the proposed limits of disturbance.
- Permanent signage shall be placed 50-100' spart along the boundaries of all areas included in Forest Conservation Resements.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING CHIEF, DIVISION OF LAND DEVELOPMENT 3/5/59 DATE # CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE REVISION **BENCHMARK**

ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE - SUITE 418 - ELLICOTT CITY, MARYLAND 21043

DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM



OWNERS TOLL MD LIMITED PARTNERSHIP
A MD LIMITED PATNERSHIP
3206 TOWER OAKS BOULEVARD
SUITE 310
ROCKVILLE, MARYLAND 20852 PROJECT: VILLAGE OF CEDAR RIDGE LOCATION:
TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION 1
PARCEL 68, AND P/O PARCEL 116; TAX MAP 35
SIN ELECTION DISTRICT
HOWARD COUNTY, MARYLAND SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244 DEVELOPER: SDC GROUP, INC.
P.O. BOX 417
ELLICOTT CITY, MARYLAND 21041
410-465-4244 FOREST CONSERVATION PLAN SP-97-02 PB-319 PB 312 F-93-70 WP-98-82 F-93-70

DATE: SEPTEMBER, 1998 PROJECT NO. 1088

SCALE: AS SHOWN

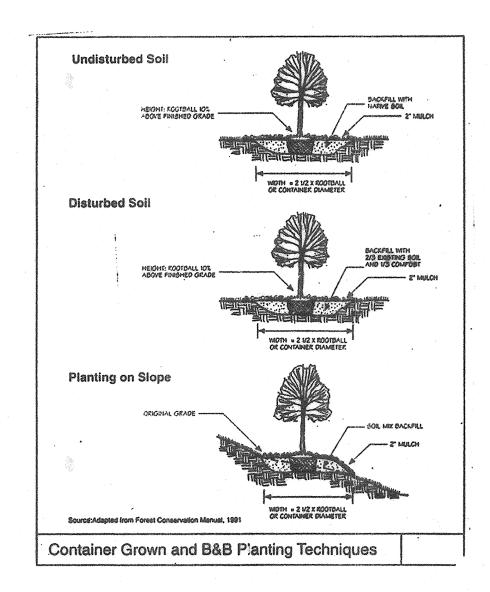
Eco-Science Professionals, Inc.

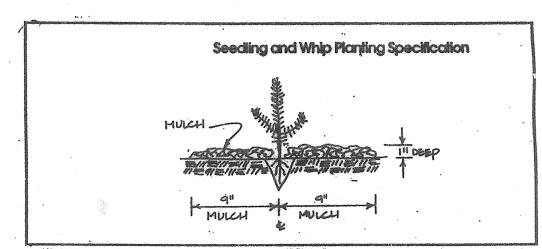
CONSULTING ECOLOGISTS

P.O. Box 5006 Glen Arm, MD 21057 (410) 592-6752

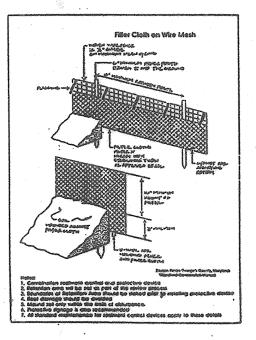
SHEET <u>7</u> OF <u>7</u>

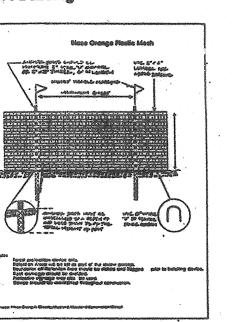
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Temporary Protective Fencing





Planting/Soil Specifications

- Planting of mersery stock shall take place between March 15th and April 30th.

 A twelve (12) inchelisyer of topsoil shall be spread over all forestation areas impacted by site grading to assure assuitable planting area. Disturbed areas shall be could said stabilized as per
- prior to planting.

 Plants shall be installed so that the top of root mass is level with the top of existing grade. Backfill in the planting pits shall consist of 3 parts existing soil to 1 part pion fines or equivalent. Fartilizer shall consist of Agriform 22-8-2, or equivalent, applied as per manufacturer's
- specifications.

 A two (2) inch layer of hardwood mulch shall be placed over the root area of all plantings.

 Plant material shall be transported to the site in a tarped or covered track. Plants shall be kept
- moist prior to planting.

 All non-organic definis associated with the planting operation shall be removed from the site by

- Sediment control and tree protection devices shall be installed in accordance with general construction plan for site. Site shall be graded in accordance with general construction plant. Proposed forestation areas impacted by site grading shall be topocified and stabilized as per #2
- of Planting/Soil Spanifications for project. Plants shall be installed us per Plant Schoolele and the Planting/Soil Specifications for the
- Upon completion of the planting, signage shall be installed as per the Ferent Protestion Devices shown on the Ferent Conservation Plan. Plantings shall be maintained and guaranteed in accordance with the Maintenance and remains requirements for project.

Maintenance of Plantings

- Maintenance of plantings shall last for a period of 24 months.

 All plant material shall be watered twice a month during the 1st growing season. Watering may be more or less frequent depending on weather conditions. During season growing season, once
- lavagive caption and nanious words will be comoved from forestation necessional species will be retained. and disease. Serious problems will be treated with the appropriate agent.
- Dead branches will be prused from plantings.

- A 75 percent survival rate of forestation pleasings will be required at the end of the 24 month maintaneous period. All pleast material below the 75 percent threshold will be replaced at the beginning of the meant growing season. After one growing season, pleast material shall be
- maintained at 90% marrival threshold.

 The contractor will mot be liable for plant less due to theft or vandalism.

Surety for Reforestation

The developer shall post a surety (bend, letter of credit) to ensure that referentiates plantings are completed. Upon acceptance of the plantings by the County, the bend shall be released.

Permanent Protective Signage

Forest Conservation Easement Unauthorized disturbances of vegetation is prohibited. Violators are subject to fines as imposed by the Howard County Forest Conservation Act of 1992

Trees for Your Future

Eco-Science Professionals, Inc.

MD DNR Qualified Professional USACOE Welland Delineater

CONSULTING ECOLOGISTS

P.O. Box 5006 Glen Arm, MD 21057 (410) 592-5752

PLANTING SCHEDULE

PLANTIN	PLANTING AREA SPECIES		SIZE	SPACING	
#1 0.78 AC.	#Z 0.28 AC.		annias primare ne producin de sido and de ple us anno primare ce as a los estas in un responsable.		
QUA	VIIIY	9			
8	2	ACER RUBRUM - RED MAPLE	1" CAL.	##	
8	2	LIRIODENDRON TULIPIFERA - TULIP POPLAR	1" CAL.	##	
27	10	ACER RUBRUM - RED MAPLE	2-3' WHIP	本本	
27	9	CORNUS FLORIDA - FLOWERING DOGWOOD	2-3' WHIP	李本	
27	11	LIRIODENDRIN TULIPIFERA - POPLAR	2-3' WHIP	**	
27	9	PLATANUS OCCIDENTALIS - SYCAMORE	2-3' WHIP	本章	
27	9	PRUNUS SEROTINA - BLACK CHERRY	2-3' WHIP	水堆	
27	10	QUERCUS RUBRA - RED OAK	2-3, MHIb	**	
27	10	QUERCUS VELUTINA - BLACK OAK	2-3' WHIP	i ga i	
27	6	SASSAFRAS ALBIDUM - SASSAFRAS	2-4' WHIP	本字	
27	9	VIBURNUM PRUNIFOLIUM - BLACKHAW	18-24" B.T.	李孝	

KEY:

CAL. - CALIPER CONT. - CONTAINER GROWN B.T. - BRANCHED TRANSPLANT

- ONE INCH CALIPER TRESS SHALL BE PLANTED, AS SHOWN BY . SPECIES MAY BE RANDOMLY MIXED.

** - TREES AND SHRUBS SHALL BE PLANTED, ON AVERAGE, AT A SPACING OF 11 FEET ON CENTER, NOT IN A GRID PATTERN. LIMITED CLUMPING OF SHRUBS IS PERMITTED.

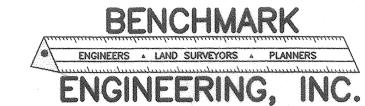
POP NOTES

- 1. Amy Forest Conservation Easement (FCE) area shown hereon is subject to protective covenants which may be found in the Land Records of Moward County which restrict the disturbance and use of these areas.
- Perested areas occurring outside of the FCE shall not be considered part of the FCE and shall not be subject to protective land cover sats.
- Limits of disturbance shall be restricted to areas outside the limit of temporary fencing or the FCE boundary, whichever is greater.
- 4. There shall be no clearing, grading, construction or disturbance of wegetation in the Forest Conservation Easement, except as permitted by Howard County DPZ.
- No stockpiles, parking areas, equipment cleaning areas, etc. shall occur within areas designated as Forest Conservation Easements.
- Temporary fencing shall be used to protect forest resources during construction. The fencing shall be placed along all FCE boundaries which occur within 15 feet of the proposed limits of disturbance.
- Permanent signage shall be placed 50-100' apart along the boundaries of all areas included in Forest Conservation Easements.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CHIEF, BUREAU OF HIGHWAYS APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING 3/10/99 DATE CHIEF DIVISION OF LAND DEVELOPMENT 3/4/99

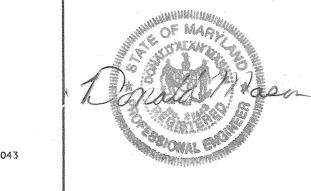
NO. DATE REVISION

CHIEF, DEVELOPMENT ENGINEERING DIVISION



8480 BALTIMORE NATIONAL PIKE A SUITE 418 A ELLICOTT CITY, MARYLAND 21043

PHONE: 410-465-6105 FAX: 410-465-6644



OWNERS TOLL MD LIMITED PARTNERSHIP
A MD LIMITED PATNERSHIP PROJECT: VILLAGE OF CEDAR RIDGE 3206 TOWER OAKS BOULEVARD SUITE 310 ROCKVILLE, MARYLAND 20852 LOCATION:

TAX MAP 41 - _OTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION 1

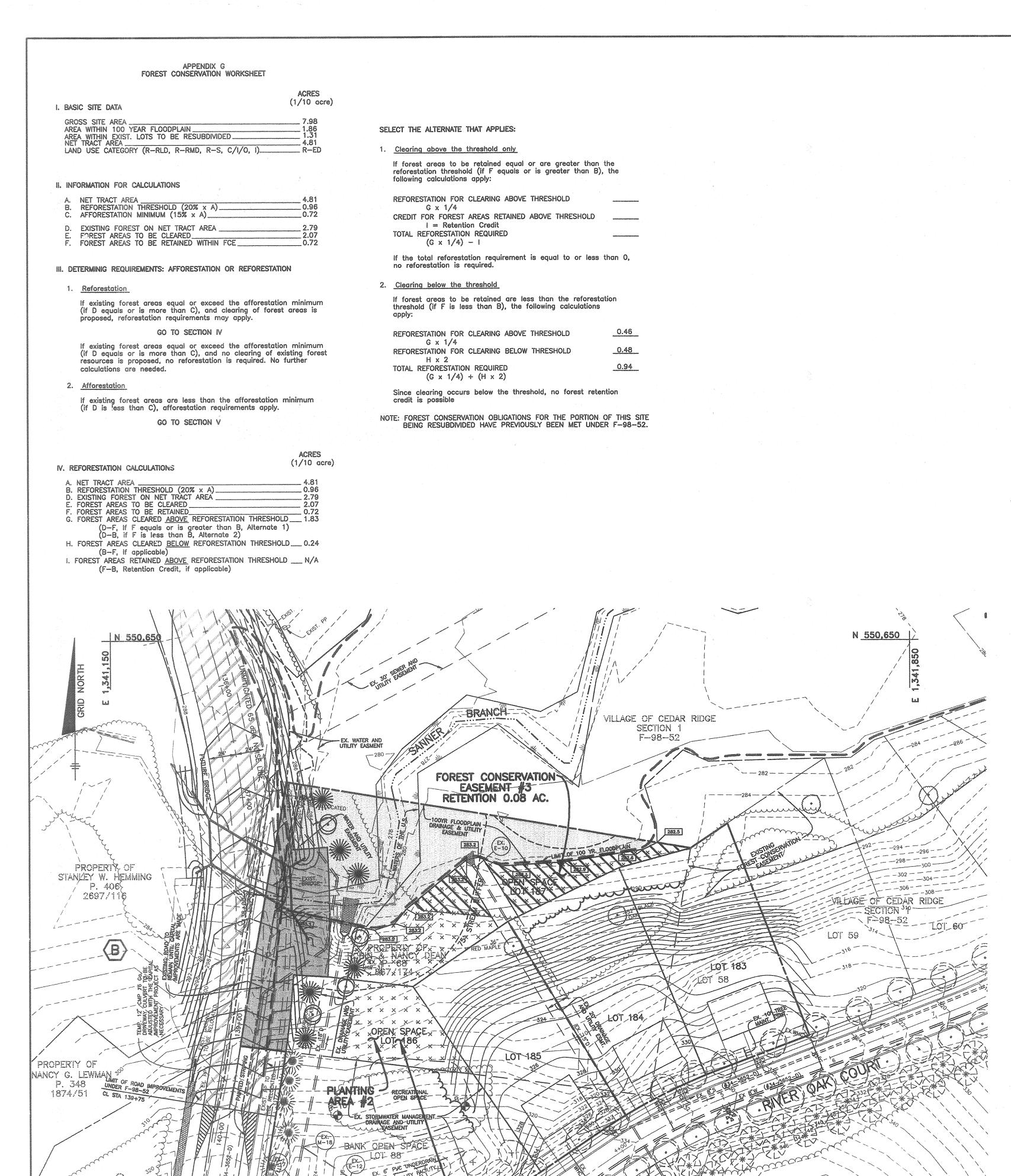
PARCEL 58, AND P/O PARCEL 116; TAX MAP 35

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244 **DEVELOPER:** FOREST CONSERVATION PLAN SDC GROUP, INC. P.O. BOX 417
ELLICOTT CITY, MARYLAND 21041
410-465-4244

SP-97-02 PB-319 PB 312 F-93-70 WP-98-82 F-93-70 DATE: SEPTEMBER, 1998 PROJECT NO. DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM SCALE: AS SHOWN SHEET <u>7</u> OF _7

F.99.70



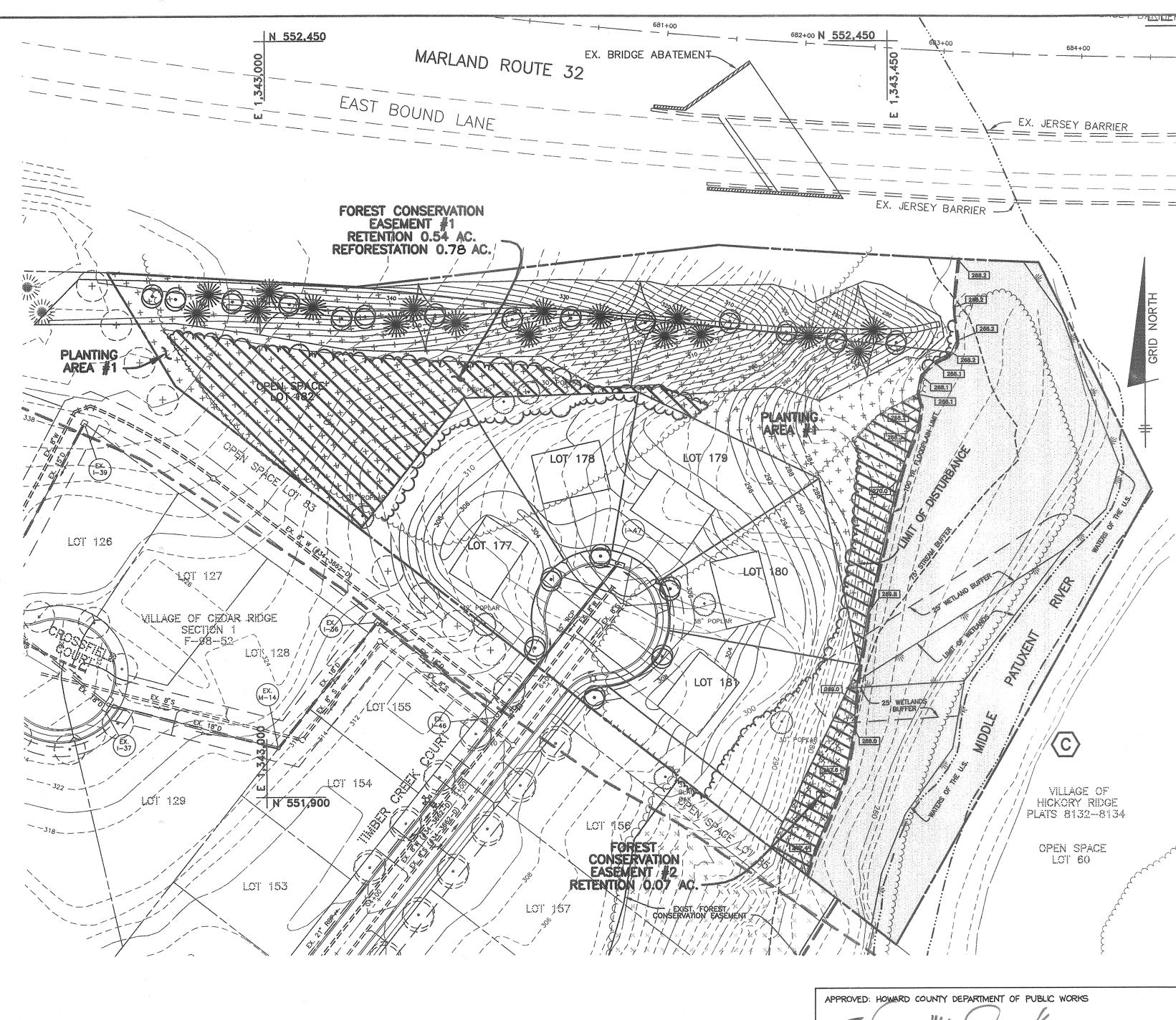
POREST GONSERVATION

RETENTION 0.03 AC.
REFORESTATION 0.28 AC.

JOHNS HOPKING LINIVERSITY

PROPERTY OF JAMES E. CLIVER

P. 366 1012/176 N 550,100



FOREST CONSERVATION EASEMENT (RETENTION AREA)

FOREST CONSERVATION EASEMENT (REFORESTATION AREA)

Eco-Science

ce als, Inc. Alabatical Ecologists

Professionals, Inc.

P.O. Box 5006 Glen Arm, MD 21057 (410) 592-6752

SITE DATA

ACRES

GROSS AREA: 7.98
NET TRACT AREA (NTA): 4.81
EXISTING FOREST ON NTA: 2.79
REFORESTATION THRESHOLD: 0.96
AFFORESTATION THRESHOLD 0.72

FOREST TO BE CLEARED (NTA): 2.07

TOTAL FOREST TO BE RETAINED IN FCE: 0.72

REFORESTATION REQUIRED: 0.94
REFORESTATION PROPOSED: 1.06

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT

CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE

REVISION

BENCHMARK

ENGINEERS · LAND SURVEYORS · PLANNERS

NO. DATE

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE A SUITE 418 A ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

OWNERS: TOLL MD LIMITED PARTNERSHIP
A MD LIMITED PATNERSHIP PROJECT: VILLAGE OF CEDAR RIDGE SECTION 2

A SUBDIVISION OF PARCEL 68, TAX MAP 41; P/O PARCEL 116, TAX MAP 35

AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 OF THE

VILLAGE OF CEDAR RIDGE, SECTION 1 3206 TOWER OAKS BOULEVARD SUITE 310 ROCKVILLE, MARYLAND 20852 LOCATION:

TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION 1

PARCEL 68, AND P/O PARCEL 116; TAX MAP 35

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244 DEVELOPER: SDC GROUP, INC. FOREST CONSERVATION PLAN P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 SP-97-02 PB-319 PB 312 F-93-70 WP-98-82 F-93-70 410-465-4244 PROJECT NO. 1088 DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM SCALE: SHEET 6 OF 7

F,99.70

SEDIMENT CONTROL NOTES

- 1. 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, (313-1850).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO HE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL". REVISIONS THERETO.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES 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.

SITE ANALYSIS

TOTAL AREA OF SITE	7.98 ACRES
AREA DISTURBED	3.82 ACRES
AREA TO BE ROOFED OR PAVED	0.44 ACRES
AREA TO BE VEGETATIVELY STABILIZED	3.38 ACRES
TOTAL CUT	1152 cy
TOTAL FILL	32811 cy
OFFSITE WASTE/BORROW AREA LOCATION	F-98-52

- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER 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.

ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE

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.

TEMPORARY SEEDBED PREPARATIONS

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 (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THROUGH AUGUST 14. SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT), FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDBED PREPARATIONS

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 ON OF THE FOLLOWING

> 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 INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0- 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 THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 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. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TON'S PER ACRE OF WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

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

TOPSOIL SPECIFICATIONS

Topsoil salvaged from the existing site may be used provided that it meets that standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following: Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than $1-1/2^n$ in diameter.

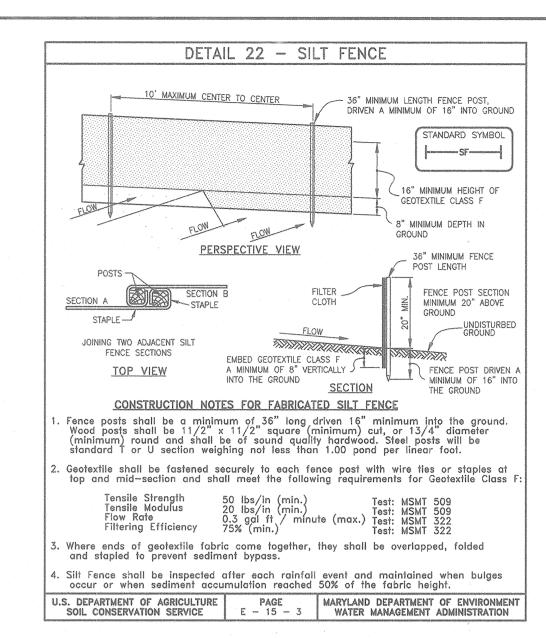
- ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified.
- iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- III. For sites having disturbed areas under 5 acres:

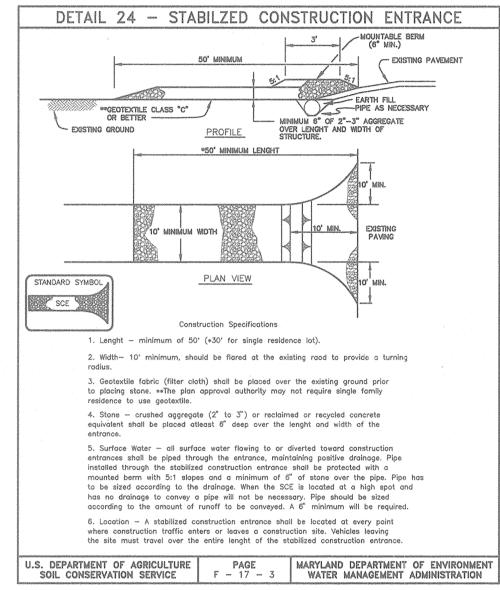
Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and

- IV. For sites having disturbed areas over 5 acres:
- I. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to
 - b. Organic content or topsoil shall be not less than 1.5 percent by weight.
 - c. Topsoil having soluble salt content greater than 500 parts per million shall
 - d. No sod or seed shall be placed on soil which has been treated with soil
 - sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials. Topsoil substitutes or amendments, as recommended by a qualified agronomist or

soil scientist and approved by the appropriate approval authority, may be used in lieu of

ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and



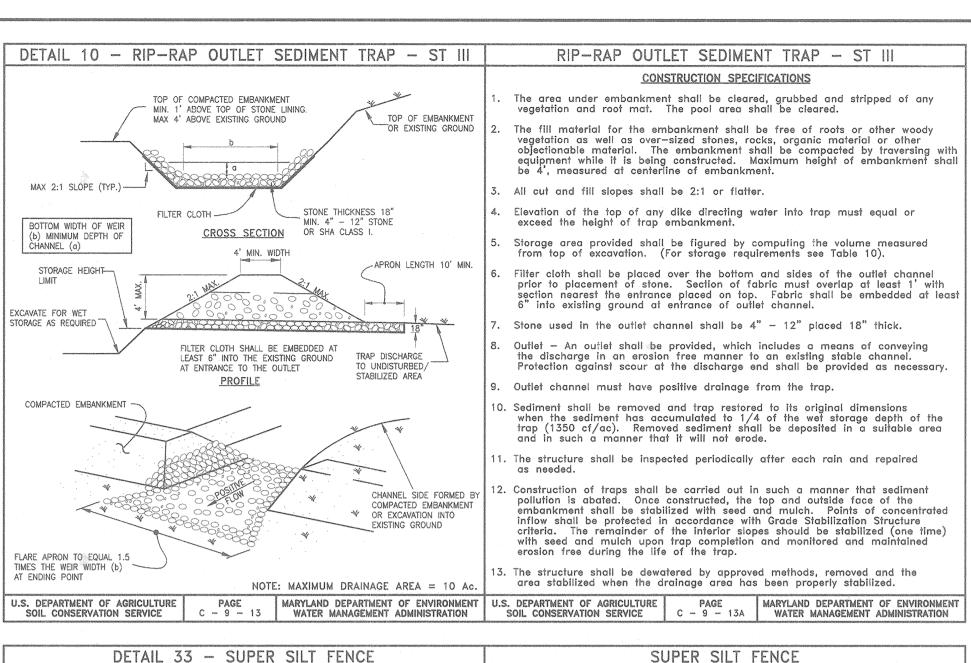


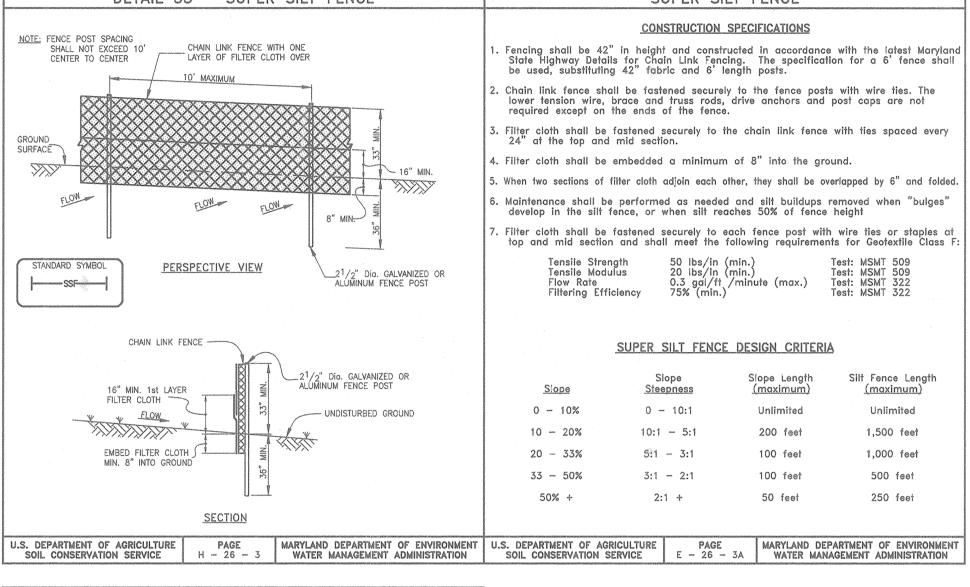
- - I. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, earth dikes, slope silt fence and sediment
 - ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" 8" higher in elevation.
 - iii. Topsoil shall be uniformly distributed in a 4" 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or
 - iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.
- VI. Alternative for Permanent Seeding Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified
- I. Composted Sludge Material for use as a soil conditioner for sites having distributed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
- a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
- Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a pH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents
- must be added to meet the requirements prior to use. c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet. iv. Composted sludge shall be amended with a potassium fertilizer applied at the rate

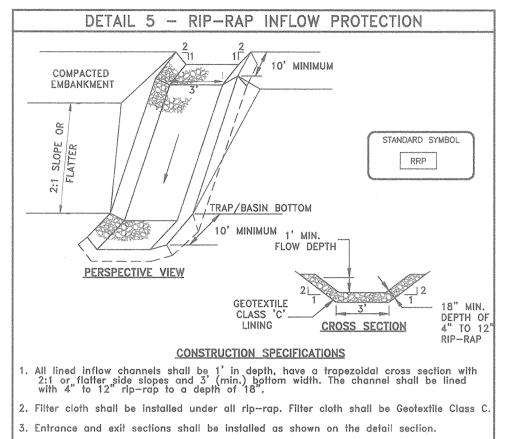
of 4 lb/1,000 square feet, and 1/3 the normal lime application rate. References: Guidelines Specifications, Soil Preparation and Sodding. MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes

SEQUENCE OF CONSTRUCTION

- NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF CONSTRUCTION OBTAIN GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES, TREE PROTECTION FENCES, SILT FENCES, AND SUPER SILT FENCES. (DAY 1-2).
- INSTALL TEMPORARY SEDIMENT TRAP AND EARTH DIKES. INSTALL STORM DRAIN FROM EX. 1-46 TO 1-47. (DAY 3-7).
- 4. UPON APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, COMMENCE ROAD AND SITE GRADING. SUBGRADE SHALL BE STABILIZED IN ACCORDANCE WITH TEMPORARY SEEDBED
- NOTES. (DAY 7-14). 5. UPON APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, COMMENCE WITH UTILITY CONSTRUCTION (DAY 14-16).
- 6. INSTALL CONCRETE CURB AND GUTTER. (DAY 17).
- 7. INSTALL PAVING. (DAY 18).
- 8. COMPLETE FINAL GRADING OF SITE (TO EXTENT POSSIBLE), REDISTRIBUTE TOPSOIL OVER SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES. SEE SEDIMENT CONTROL STD. AND SPEC. G-21-1 FOR TOPSOIL SPECIFICATIONS. INSTALL EROSION CONTROL MATTING IN SWALES AS DESIGNATED ON PLANS. (DAY 19-20).
- 9. UPON THE APPROVAL OF THE HO. CO. SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT TRAP. COMPLETE FILL WITHIN THE TRAP AREA. STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDBED NOTES. (DAY 21-22).

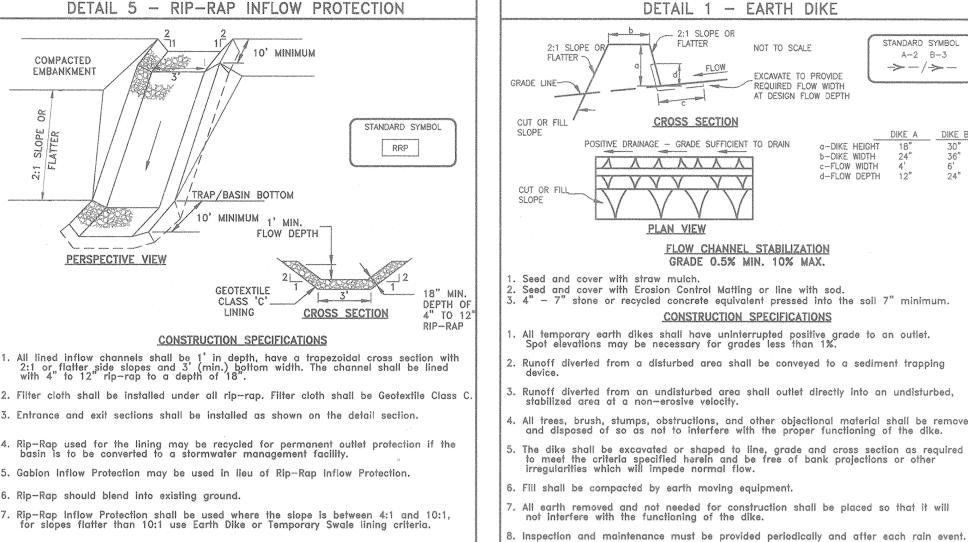




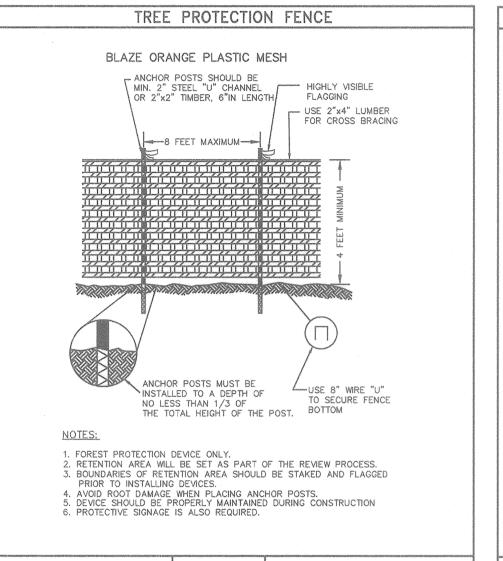


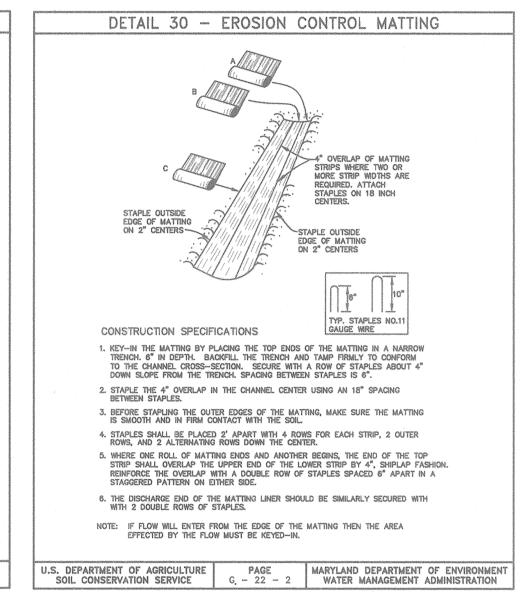
Rip-Rap used for the lining may be recycled for permanent outlet protection if the basin is to be converted to a stormwater management facility. 5. Gabion Inflow Protection may be used in lieu of Rip—Rap Inflow Protection.

ILS DEPARTMENT OF AGRICULTURE PAGE B - 6 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

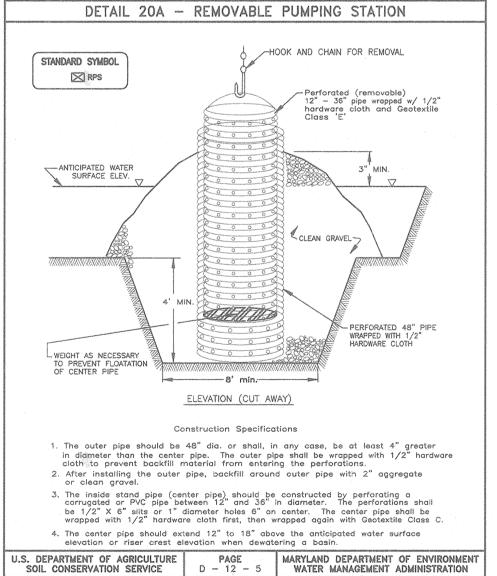


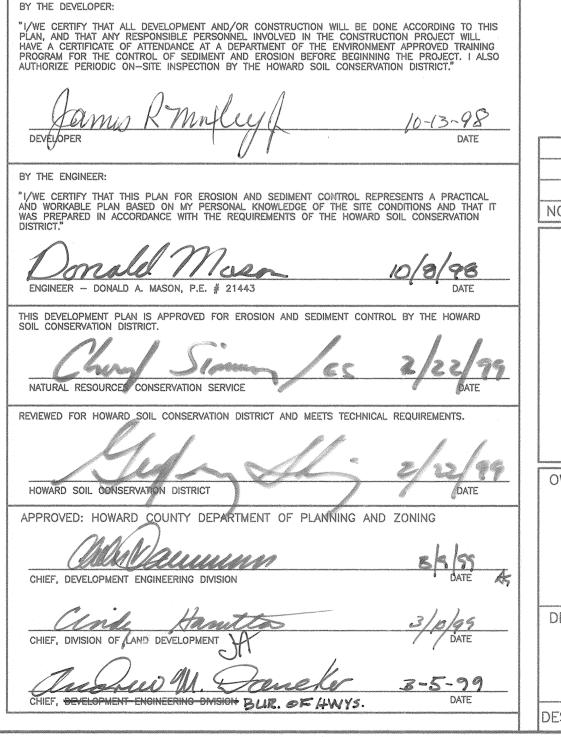
U.S. DEPARTMENT OF AGRICULTURE

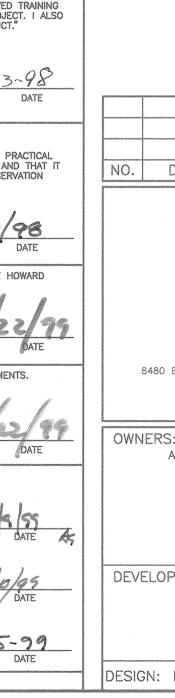


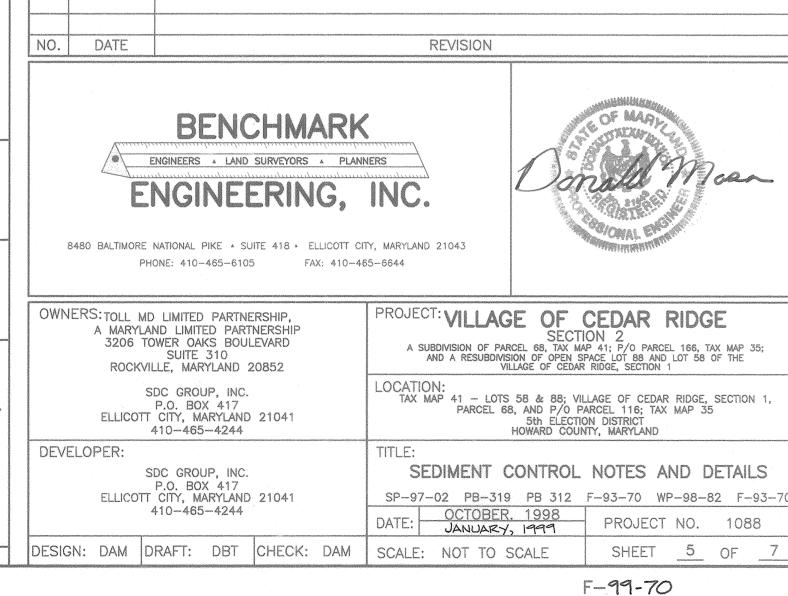


PAGE MARYLAND DEPARTMENT OF ENVIRONMENT
A - 1 - 6 WATER MANAGEMENT ADMINISTRATION









PEF		IEDULE A LANDSCAPE	EDGE
CATEGORY	ADJACENT	TO ROADWAYS	ADJACENT TO PERIMETER PROP.
LANDSCAPE TYPE	(A) B	(B) B	© A
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	676'	210' ①	.565'
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	② : YES, 565'
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO
NUMBER OF PLANTS REQUIRED SHADE TREES (1:50) EVERGREEN TREES (1:40) OTHER TREES (2:1 SUBSTITUTE) SHRUBS	676 LF. 14 17 —	210LF. 4 6 —	O L.F. O
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS (10:1 SUBSTITUTE) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	14 17 —	4 6 	0

¹⁾ AREA NOT PREVIOUSLY PART OF SECTION 1 PLANS F-98-52.

2 EXISTING WOODS WITH WIDTH 20' OR GREATER.

PROPERITY OF STANKEY W. HEMMING P. 406 2697/116

PROPERIY OF

PROPERTY OF

P. 366

1012/176

VANCY G. LEWMAN SOLUMIT OF ROAD IMPROVEN CL STA 139+75

and the control of the state of the control of the		and since we consider the contract of the cont					
LANDSCAPE PLANTING LIST							
SYMBOL	QUANTITY	NAME	REMARKS				
	102	PLANTANUS ACERFOLIA 'BLOODGOOD' (Bloodgood London Plane)	2 1/2" MIN. CAL. B&B FULL HEAD				
*	162*	PINUS STROBUS (Eastern White Pine)	5'-6' ht. UNSHEARED				
**	59*	CUPRESSOCYPARIS LEYLANDII (Leyland Cypress)	5'-6' HEIGHT				
	85*	TILIA CORDATA 'GREENSPIRE' (Greënspire Littleleaf Linden)	2 1/2" MIN. CAL. B&B FULL HEAD				
	104*	ACER RUBRA (Red Maple)	2 1/2" MIN. CAL. B&B FULL HEAD				
	193*	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&B FULL HEAD				
0	18	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL. B&B FULL HEAD				
*	23	PINUS STROBUS (Eastern White Pine)	5'—6' ht. UNSHEARED				
* PER F	9852	an Terretanna (1997 1904) (1904) (1904) (1906) (1904) (1904) (1904) (1904) (1904) (1904) (1904) (1904) (1904	от емен сте этом о отност 65 сто от о				

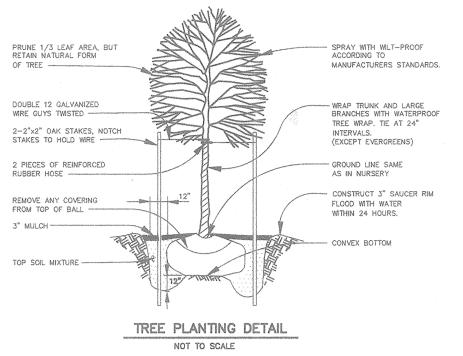
	STREE	T TREE PLANTING	LIST
SYMBOL	QUANTITY	NAME	REMARKS
0	6	ACER SACCHARUM (Sugar Maple)	2 1/2" MIN. CAL B&B FULL HEAD

MLLAGE OF CEDAR RIDGE

SECTION 1 F-98-252-

OPEN SPACE

RECREATIONAL OPEN SPACE



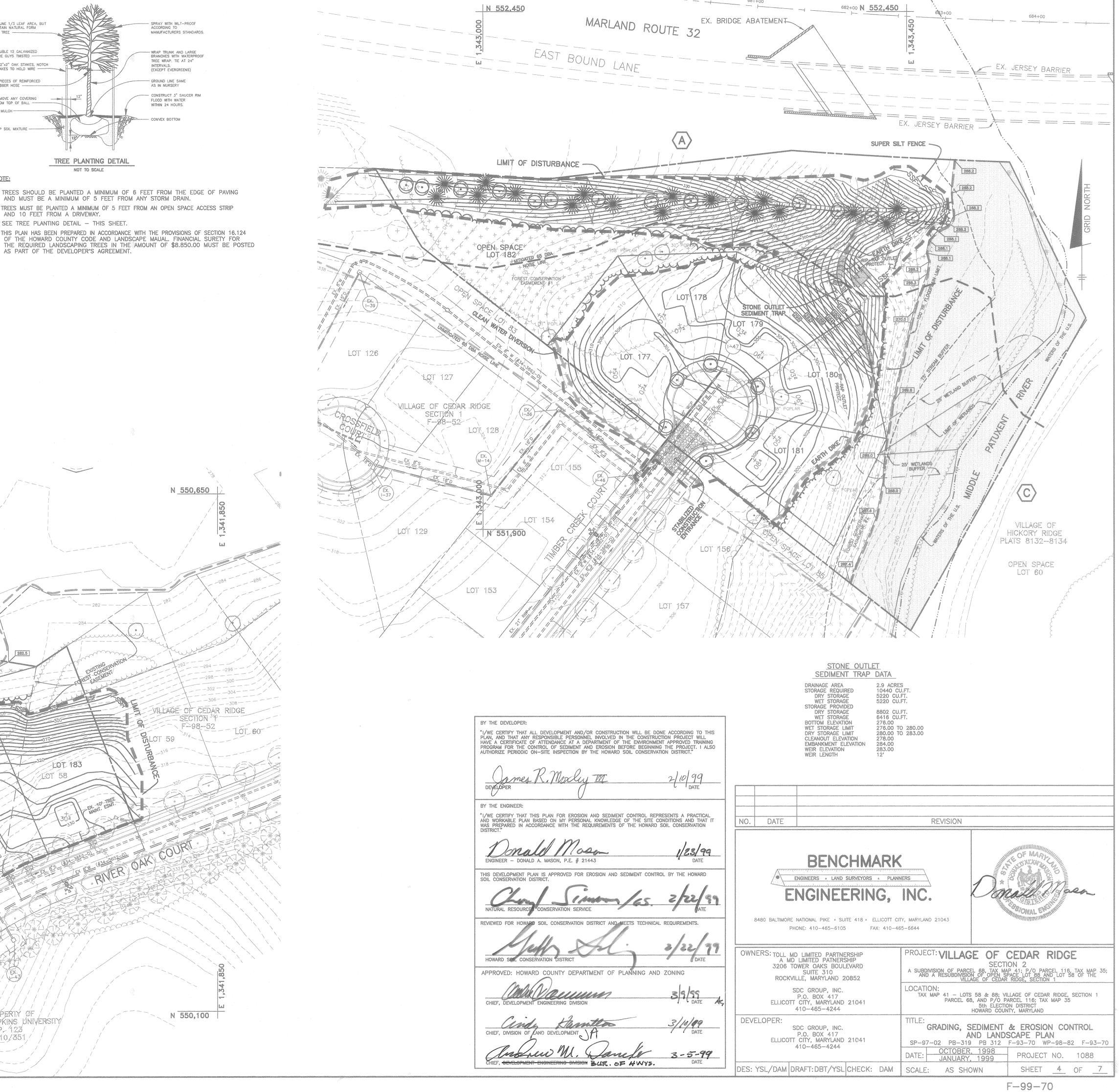
NOTE:

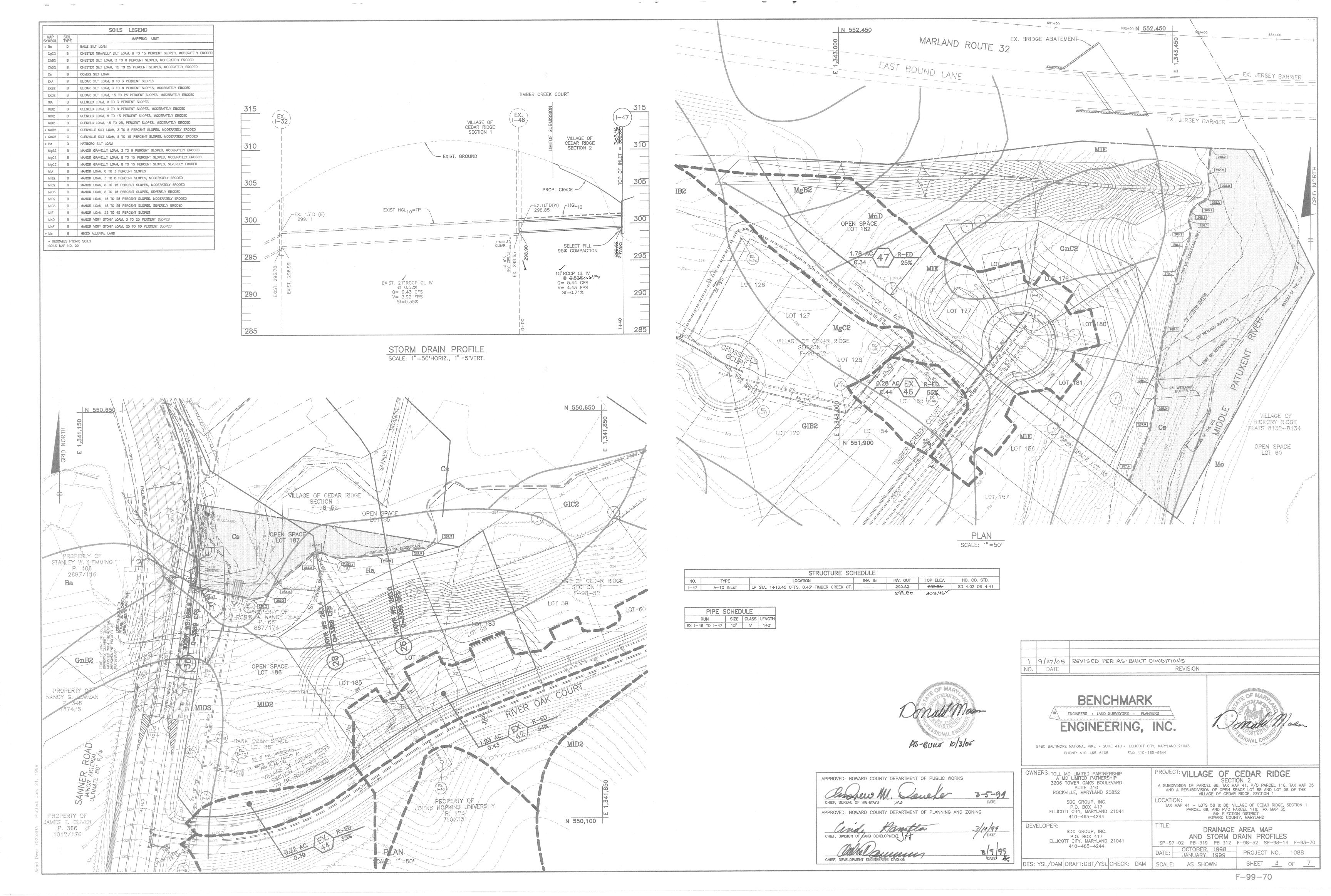
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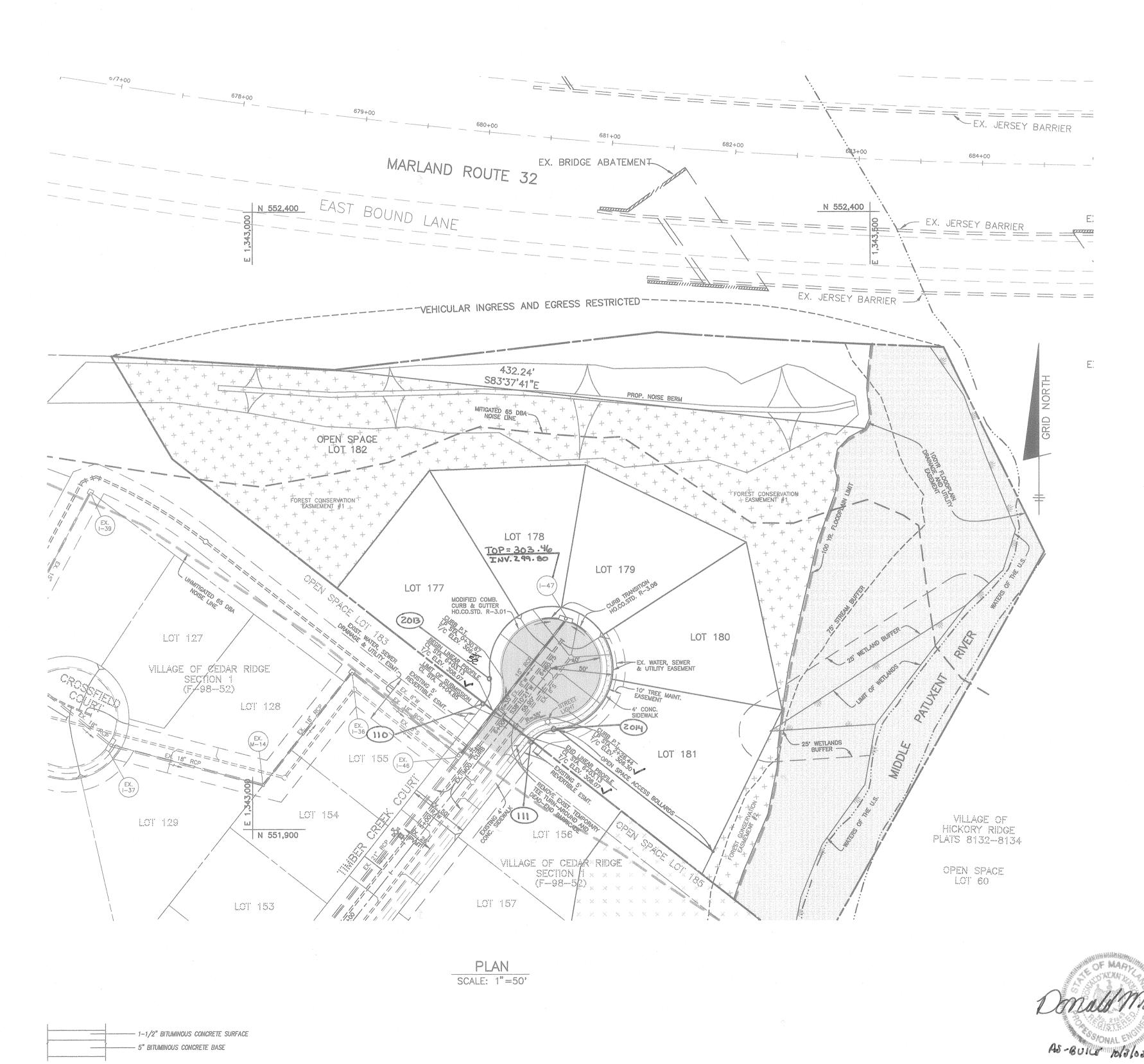
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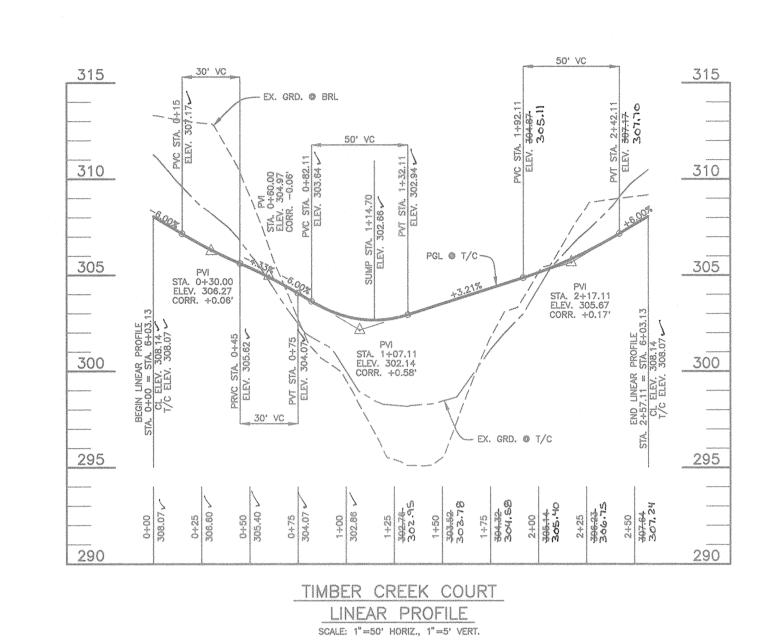
710/851

- 1. TREES SHOULD BE PLANTED A MINIMUM OF 6 FEET FROM THE EDGE OF PAVING
- 2. TREES MUST BE PLANTED A MINIMUM OF 5 FEET FROM AN OPEN SPACE ACCESS STRIP
- AND 10 FEET FROM A DRIVEWAY. 3. SEE TREE PLANTING DETAIL - THIS SHEET.
- 4. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MAUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING TREES IN THE AMOUNT OF \$8.850.00 MUST BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT.









1 9/27/05 REVISED PER AS-BUILT CONDITIONS REVISION NO. DATE

BENCHMARK ENGINEERS A LAND SURVEYORS A PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE * SUITE 418 * ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644



PROJECT: VILLAGE OF CEDAR RIDGE

SECTION 2

A SUBDIVISION OF PARCEL 68, TAX MAP 41; P/O PARCEL 116, TAX MAP 35

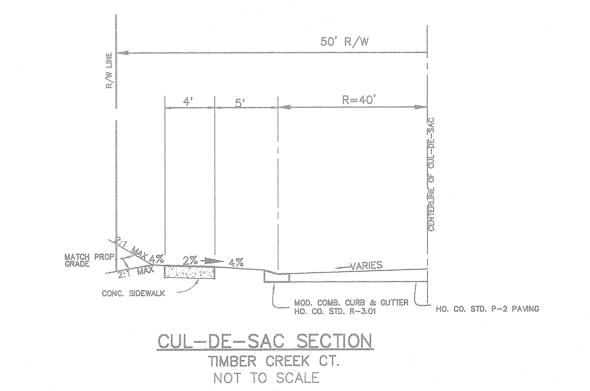
AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 OF THE

VILLAGE OF CEDAR RIDGE, SECTION 1 OWNERS: TOLL MD LIMITED PARTNERSHIP A MD LIMITED PATNERSHIP 3206 TOWER OAKS BOULEVARD SUITE 310 ROCKVILLE, MARYLAND 20852 LOCATION: SDC GROUP, INC. TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION 1
PARCEL 68, AND P/O PARCEL 116; TAX MAP 35
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041

410-465-4244 SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 ROAD PLAN AND PROFILE 410-465-4244

SP-97-02 PB-319 PB 312 F-98-52 SP-98-14 F-93-70 PROJECT NO. 1088 DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM | SCALE: AS SHOWN

SHEET <u>2</u> OF <u>7</u> F-99-70



FULL DEPTH BITUMINOUS CONCRETE ALTERNATE

_____1-1/2" BITUMINOUS CONCRETE SURFACE 2-1/2" BITUMINOUS CONCRETE BASE — 6" GRADED AGGREGATE BASE (GAB)

GRANULAR BASE ALTERNATE PAVING SECTION P-2 NOT TO SCALE

NOTE: ALL ROADS ARE TO BE PUBLIC ROADS

		STREET LIGHT	SCHEDUL	eme Ja
SYMBOL	LO	CATION		DESCRIPTION
¢	TIMBER CREEK COURT	LP STA. 2+30.99	OFFS. 3.00°	100 WATT HPS VAPOR TRADITIONAIRE POST TOP MOUNTED ON 14' BLACK FIBERGLASS POLE

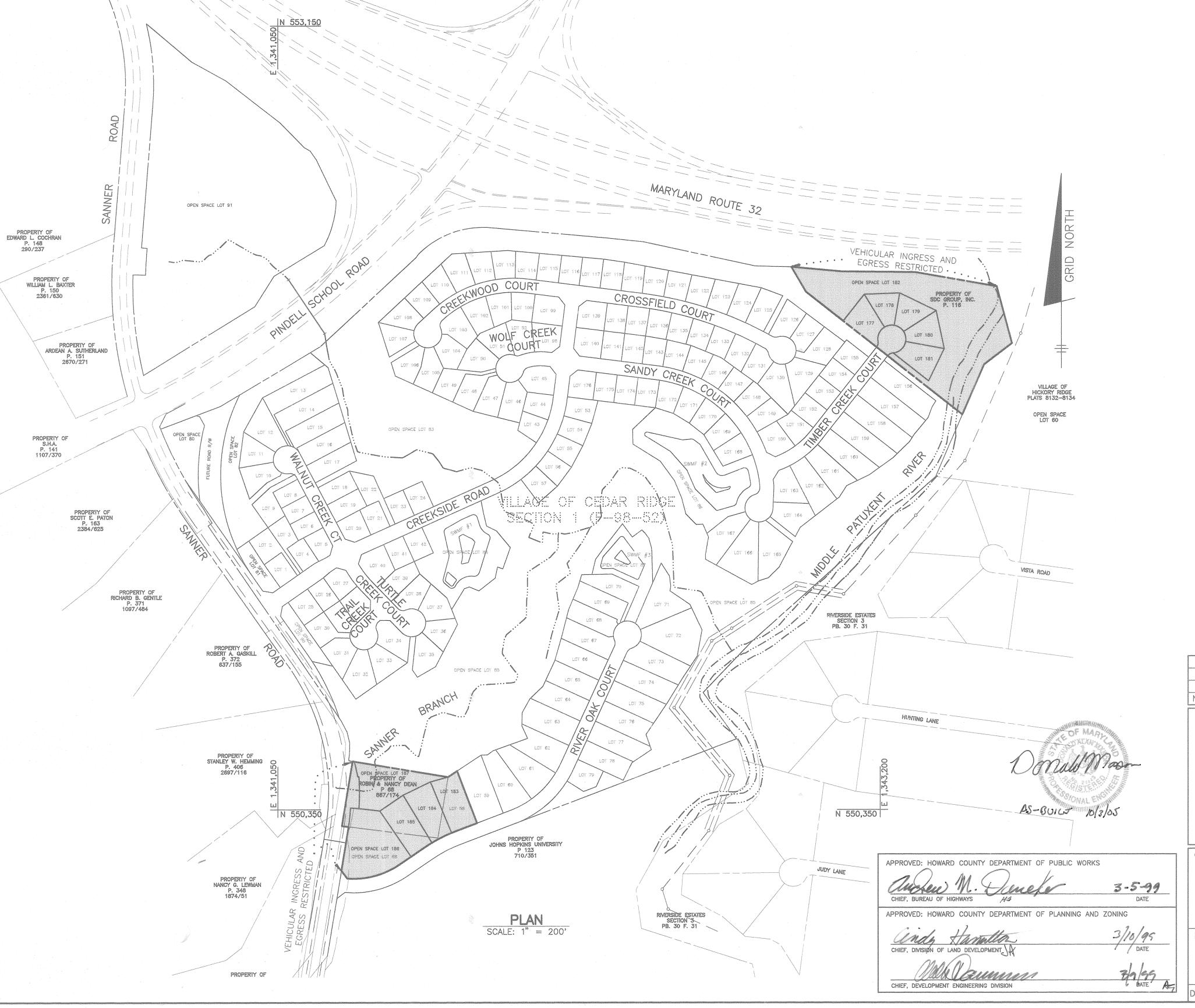
SHEET INDEX DESCRIPTION NO. TITLE SHEET ROAD PLAN AND PROFILE DRAINAGE AREA MAP & STORM DRAIN PROFILE GRADING, SEDIMENT & EROSION CONTROL, AND LANDSCAPE PLAN SEDIMENT CONTROL NOTES AND DETAILS FOREST CONSERVATION PLAN FOREST CONSERVATION NOTES AND DETAILS

RIGHT	OF WAY ELEVATION CHART	Ke dan
R/W PT. NO.	PISCRIPTION	ELEVATION
110	REBAR/CAP	308,56
1153	REBAR / CAP	308.27
2013	REBAR / CAP	307.60
2014	REBAR / CAP	306.91

ROAD AND STORM DRAINAGE VILLAGE OF CEDAR RIDGE

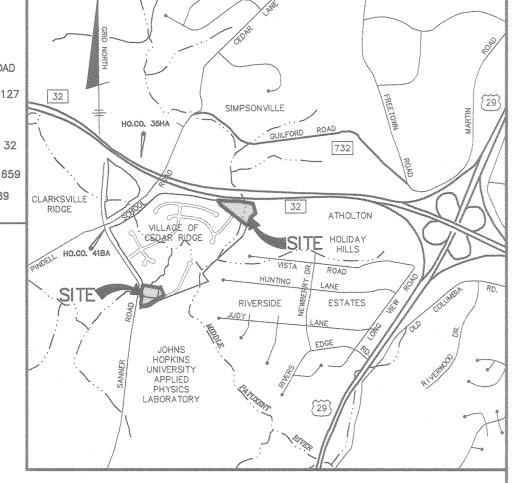
SECTION 2

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



BENCH MARKS NAD 83 HO. CO. #41BA STAMPED CONC. MONUMENT LOCATED AT THE NORTHWEST CORNER OF PINDELL SCHOOL ROAD AND SANNER LANE. N 551789.4787 E 1340518.127 STAMPED CONC. MONUMENT LOCATED 3.5'± BEHIND THE GUARD RAIL SOUTH OF MD RTE 3 500'± WEST OF PINDELL SCHOOL ROAD N 553353.579 E 1340567.659 HO. CO. BM#R-109 ELEV. 405.389

USED FOR VERTICLE CONTROL.



SCALE: 1" = 2000'

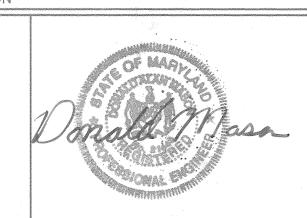
GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT HOWARD COUNTY DESIGN MANUAL VOL. IV, PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST 24 HOURS PRIOR TO THE START OF WORK.
- 3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- LOCATION: PARCEL 68 TAX MAP 41 AND P/O PARCEL 116 TAX MAP 35 ZONING: RED TOTAL TRACT AREA: 7.98 AC.
- NUMBER OF PROPOSED LOTS: 8 BUILDABLE AND 3 OPEN SPACE DATE PRELIMINARY PLAN APPROVED: SEPTEMBER 11, 1998 DPZ REFERENCE # : SP-97-02, PB-319, PB 312, F-93-70, SP-98-14, F-98-52
- 5. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- 6. TOPOGRAPHY TAKEN FROM FIELD RUN SURVEY BY TSA GROUP, INC., 2/98. CONTOUR INTERVAL IS 2 FEET.
- 7. HOWARD COUNTY MONUMENTS 41BA AND 35HA USED FOR HORIZONTAL DATUM. HO. CO. BENCH MARK R-109 WAS USED FOR VERTICAL DATUM.
- 8. STREET LIGHT PLACEMENT, TYPE OF FIXTURE AND POLE SELECTION SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOLUME III.
- 9. ALL ROAD FILLS SHALL BE COMPACTED TO 95% AS DETERMINED BY AASHTO T-180.
- 10. ALL SIDEWALKS AND SIDEWALK RAMPS SHALL BE IN CONFORMANCE WITH CURRENT ADA CRITERIA.
- 11. WATER AND SEWER FOR THIS SUBDIVISION IS PUBLIC, AND PROVIDED UNDER THE VILLAGE OF CEDAR RIDGE, SECTION 1 F-98-52. DRAINAGE AREA IS PATUXENT. CONTRACT NUMBERS 34-3652-D AND 34-3662-D. 12. WETLANDS DELINEATION COMPILED BY ECO-SCIENCE PROFESSIONALS INC. DATED MARCH, 1998.
- 13. TRAFFIC STUDY COMPILED BY LEE CUNNINGHAM & ASSOC. DATED MARCH, 1998, AND WAS REVISED & APPROVED AS PART OF THE PRELIMINARY EQUIVALENT SKETCH PLAN APPROVED 9-1-98.
- 14. NOISE STUDY PREPARED BY TSA GROUP, INC. ON FEB., 1998, APPROVED 1-6-99
- 15. EXISTING UTILITIES WERE LOCATED BY RECORD DRAWINGS AND/OR FIELD RUN SURVEY BY TSA GROUP, INC., 5/95.
- CONTRACTOR IS RESPONSIBLE FOR VARIFYING THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF
- 16. UNLESS NOTED AS "PRIVATE" ALL EASEMENTS ARE PUBLIC. 17. STORMWATER MANAGEMENT AND WATER QUALITY FOR THIS PROJECT WAS PROVIDED UNDER THE VILLAGE OF CEDAR
- ** 18. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS, WETLANDS BUFFERS, STREAM BUFFERS OR FOREST CONSERVATION RETENTION AREAS.
- 20. A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN TREES AND STREET LIGHTS.

9/27/05 REVISED PER AS-BUILT CONDITIONS REVISION NO. DATE

BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 418 & ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644



OWNERS: TOLL MD LIMITED PARTNERSHIP PROJECT: VILLAGE OF CEDAR RIDGE A MD LIMITED PARTNERSHIP SECTION 2
A SUBDIVISION OF PARCEL 68, TAX MAP 41; P/O PARCEL 116, TAX MAP 35 3206 TOWER OAKS BOULEVARD AND A RESUBDIVISION OF OPEN SPACE LOT 88 AND LOT 58 OF THE VILLAGE OF CEDAR RIDGE, SECTION 1 ROCKVILLE, MARYLAND 20852 SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 410-465-4244

TAX MAP 41 - LOTS 58 & 88; VILLAGE OF CEDAR RIDGE, SECTION PARCEL 68, AND P/O PARCEL 116; TAX MAP 35

5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE SHEET SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 SP-97-02 PB-319 PB 312 F-98-52 SP-98-14 F-93-70 410-465-4244 PROJECT NO. 1088 DES: YSL/DAM DRAFT: DBT/YSL CHECK: DAM SHEET 1 OF 7 SCALE: AS SHOWN