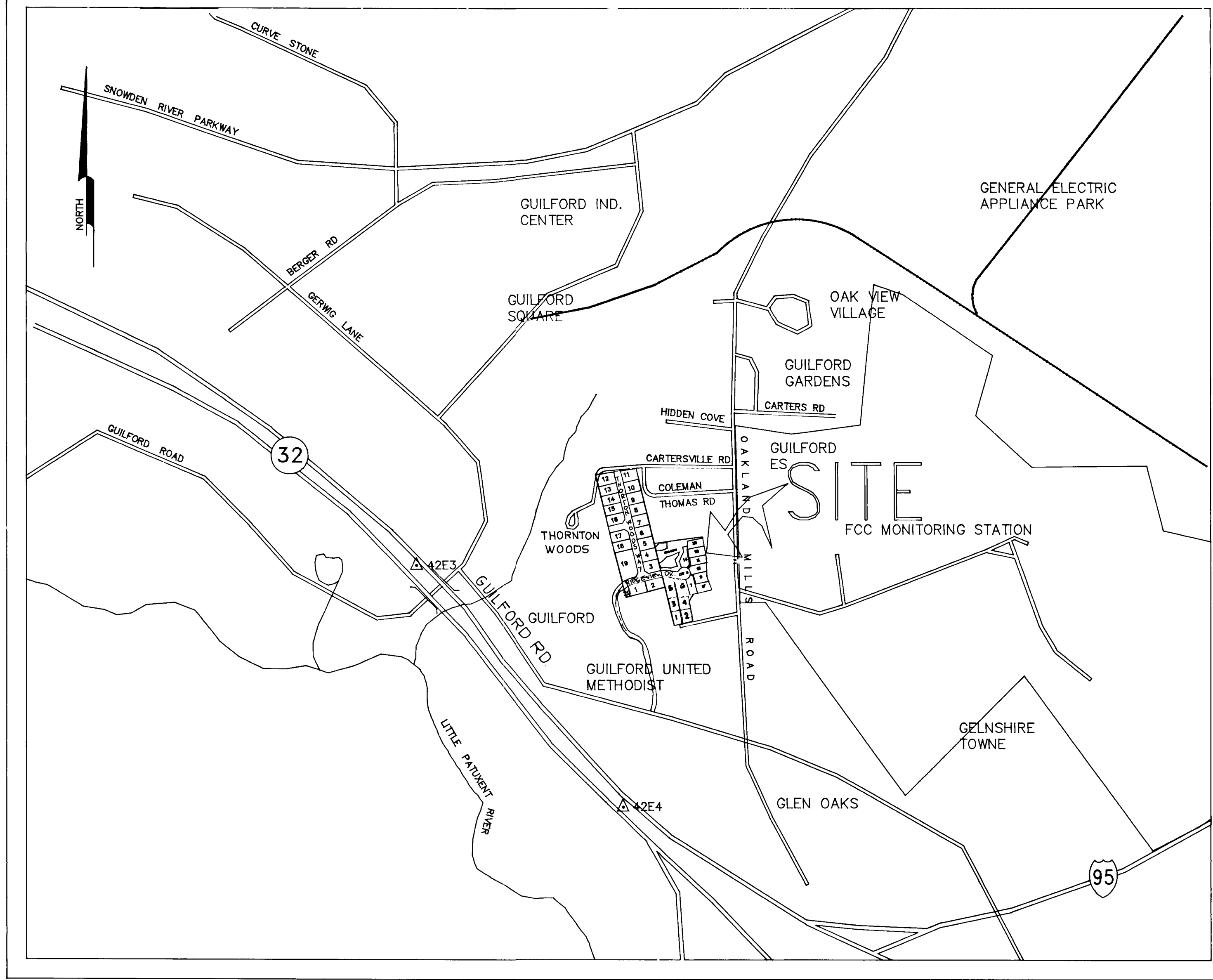


GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD AND SPECIFICATIONS OF THE HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS BEFORE START OF WORK.
3. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORKS.
4. PROJECT BACKGROUND :
 - a. TAX MAP 42, PARCEL 42 & 373
 - b. ZONING-R-12
 - c. TOTAL AREA OF SUBDIVISION = 4.61 ACRES
 - d. NUMBER OF LOTS PROPOSED = 14 BUILDABLE + 1 OPEN SPACE
 - e. SKETCH PLAN WAS APPROVED ON FEB. 4, 1994 UNDER S-94-29.
5. PRELIMINARY PLAN WAS APPROVED ON MARCH 21, 1994 UNDER P-94-10
6. THIS PLAN IS SUBJECT TO WP-94-54 APPROVED ON FEBRUARY 2, 1994 WHICH WAIVED THE REQUIREMENT OF SECTION 16.116-A-1 TO PERMIT GRADING WITHIN 25' OF A WETLAND FOR THE CONSTRUCTION OF A PUBLIC RD. ONLY.
7. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREETS AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO PLACEMENT OF ANY ASPHALT.
8. BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY JOHN MELLEMA INC. ON OCTOBER, 1993.
9. HORIZONTAL AND VERTICAL DATUM ARE BASED ON MARYLAND STATE COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY CONTROL STA. (NAD 83) 42E3 AND 42E4.
10. LIGHT POLES AND FIXTURES SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOLUME III, ROAD AND BRIDGES.
11. PUBLIC WATER AND PUBLIC SEWER WILL BE USED. THE DRAINAGE AREA IS LITTLE PATUXENT.
12. STORMWATER MANAGEMENT FOR WATER QUANTITY AND WATER QUALITY IS PROVIDED AT THORNTON WOODS, F-92-58.
13. GEOTECHNICAL REPORT FOR THE EXISTING POND AT THORNTON WOODS WAS PREPARED BY HILLIS-CARNES ASSOCIATES ON JULY 10, 1992.
14. WETLAND DELINEATION PERFORMED BY ECO - SCIENCE INC. ON DECEMBER 1993.
15. EXISTING UTILITIES ARE BASED ON THE TOPOGRAPHIC SURVEY. BY JOHN MELLEMA, INC. & THE HOWARD COUNTY AS-BUILT PLAN.
16. LANDSCAPING AT THE PERIMETER LANDSCAPE EDGE WILL BE THE RESPONSIBILITY OF THE BUILDER AND SHALL BE TYPE "A" IN ACCORDANCE WITH THE LANDSCAPE MANUAL.

INDEX	
1	COVER SHEET
2	PLAN & PROFILE - RIDGE VIEW DRIVE
3	GRADING PLAN
4	DRAINAGE AREA MAP
5	SEDIMENT CONTROL PLAN & SOILS MAP
6	SEDIMENT CONTROL NOTES



LOCATION MAP
SCALE : 1" = 600'

RUPPERT WOODS ROAD CONSTRUCTION DRAWING HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING <i>Aina Sivimanyi</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE: 6/24/94
APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>John Mellema</i> CHIEF, LAND DEVELOPMENT DIVISION DATE: 6/23/94
<i>Edward P. ...</i> CHIEF, BUREAU OF HIGHWAYS DATE: 6-20-94
<i>Edward P. ...</i> CHIEF, BUREAU OF ENGINEERING DATE: 6/23/94

DES : J.C.S.				
DRN : J.C.S.				
CHK : MLL				
DATE : 03-15-94	BY :	NO. :	REVISION :	DATE :

Woria Engineering Inc.
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.
410-465-0400

Eric W. Ruppert

OWNER :
ERIC W. RUPPERT
7436 OAKLAND MILLS RD.
COLUMBIA, MD. 21046

DEVELOPER :
RUPPERT PROPERTY LLC
10805 HICKORY RIDGE ROAD
COLUMBIA, MD. 21045

COVER SHEET
RUPPERT WOODS
LOTS 1 THRU 15
TAX MAP 42 PARCEL 42 & 373
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 6

F-94-103

2017

CURVE DATA						
CURVE NO.	P.C. STA.	P.T. STA.	DELTA	RADIUS	LENGTH	BEARING
1	13+85.67	14+45.94	19°31'44"	179.00'	60.27'	S85°58'15"W
2	15+26.04	15+50.70	28°15'13"	50.00'	24.66'	N82°06'29"E

BENCHMARKS	DESCRIPTION	ELEVATION
B.M. # 1	TOP OF CONC. MONUMENT	353.18
B.M. # 2	TOPMOST BOLT OF F.H.	384.98

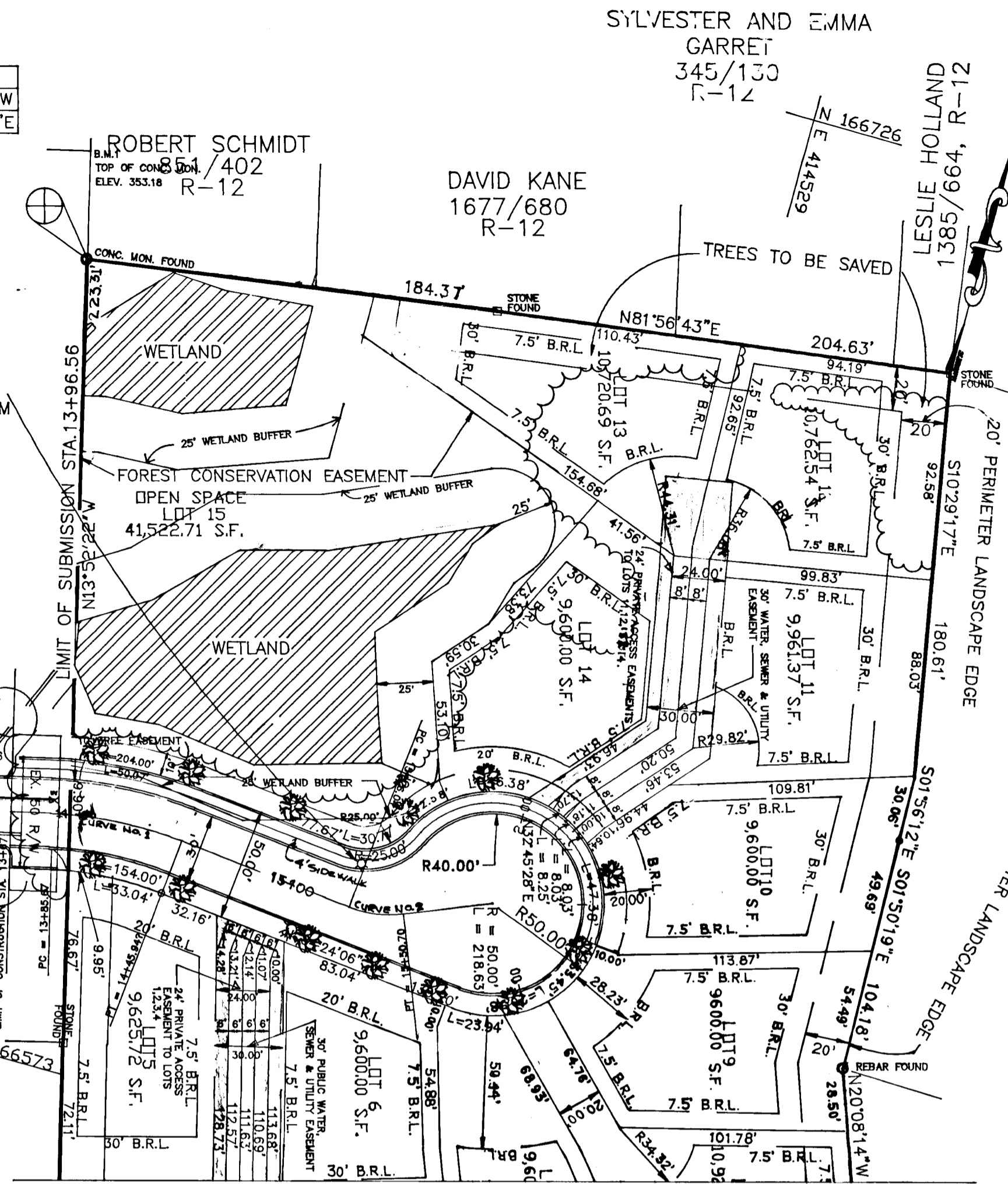
THORNTON WOODS
C.M.P. No. 10884
LOT 1-18
R-12

100 WATTS "TRADITIONAIRE" HPS VAPOR LAMP POST TOP FIXTURE ON A BLACK FIBER GLASS POLE LOCATED 2'-4" FROM THE BACK CURB.

RIDGEVIEW

THORNTON WOODS
C.M.P. No. 10884
LOT 2
R-12

VIRGINIA KINSLER
JOHN CONLON
502/26
R-12



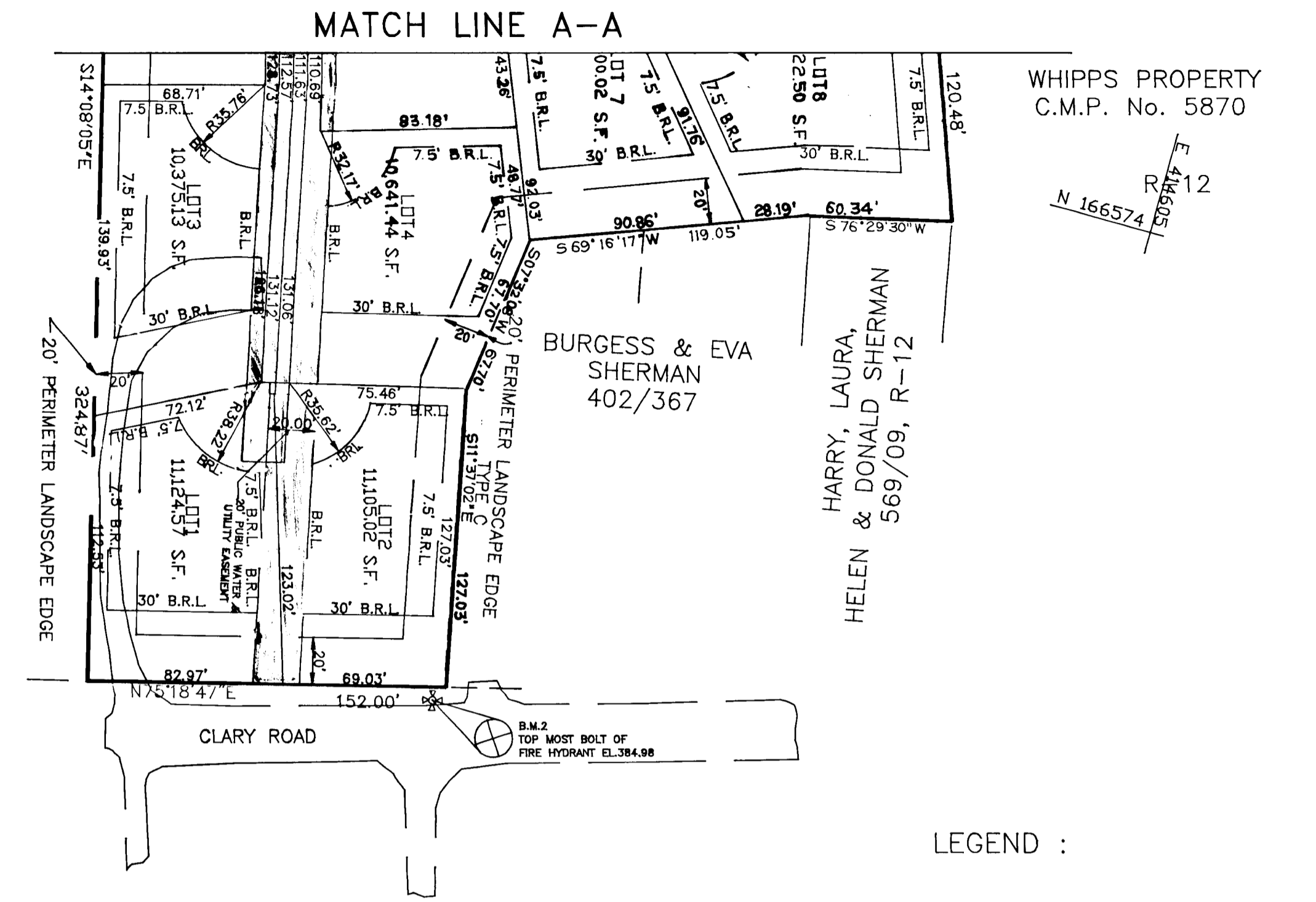
SEE, MATCH LINE A-A THIS SHEET

NOTE: The Forest Conservation Easement has been established to fulfill the requirements of Section 16.1200 of the Howard County Codes: Forest Conservation Act. No clearing, grading or construction is permitted within the Forest Conservation Easement; however, forest management practices as defined in the Dead of Forest Conservation Easement are allowed.

HELEN COLEMAN
1407/672
R-12

CHARLES MOORE
2219/707
R-12

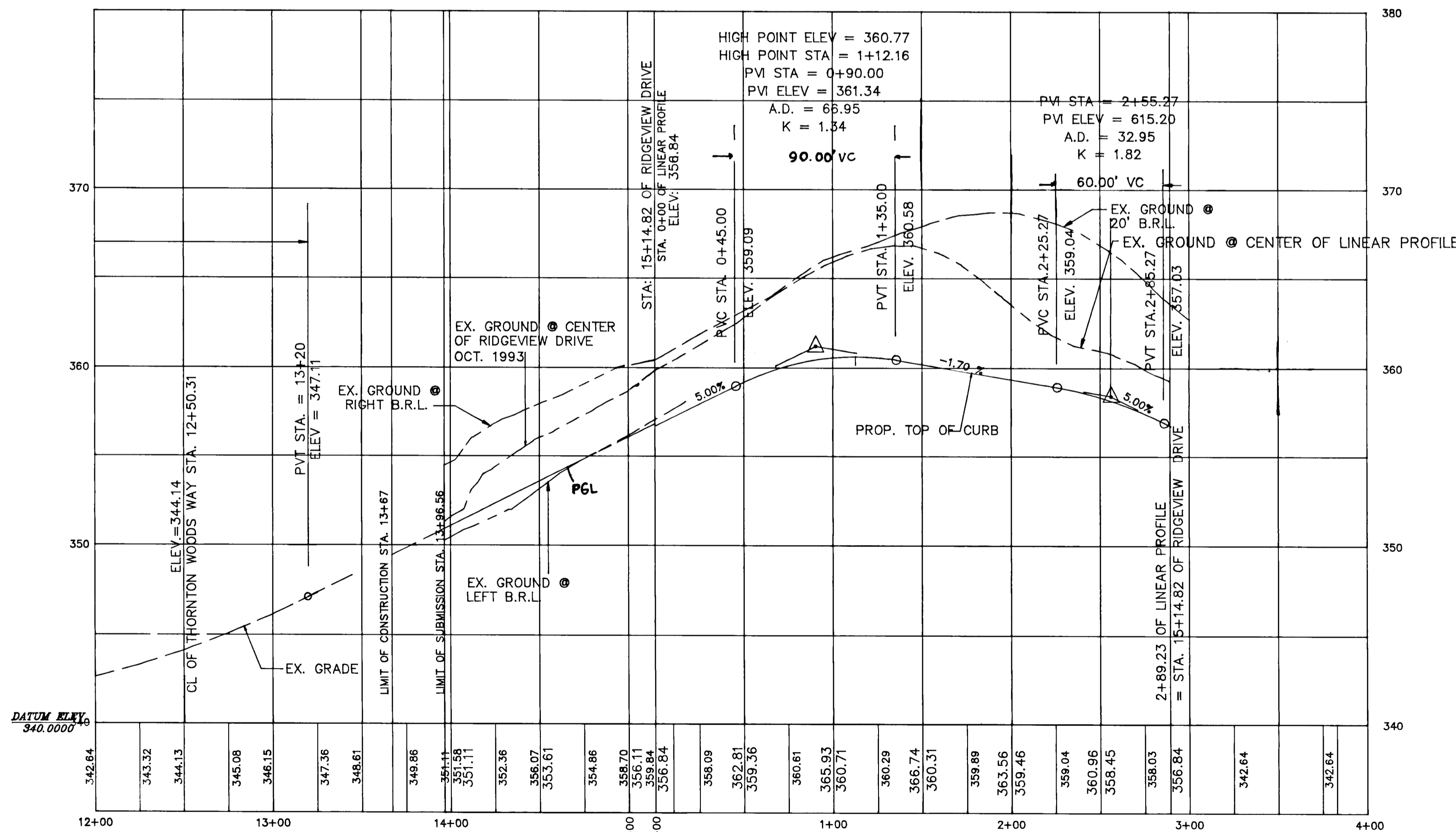
PLAN
SCALE: 1" = 50'



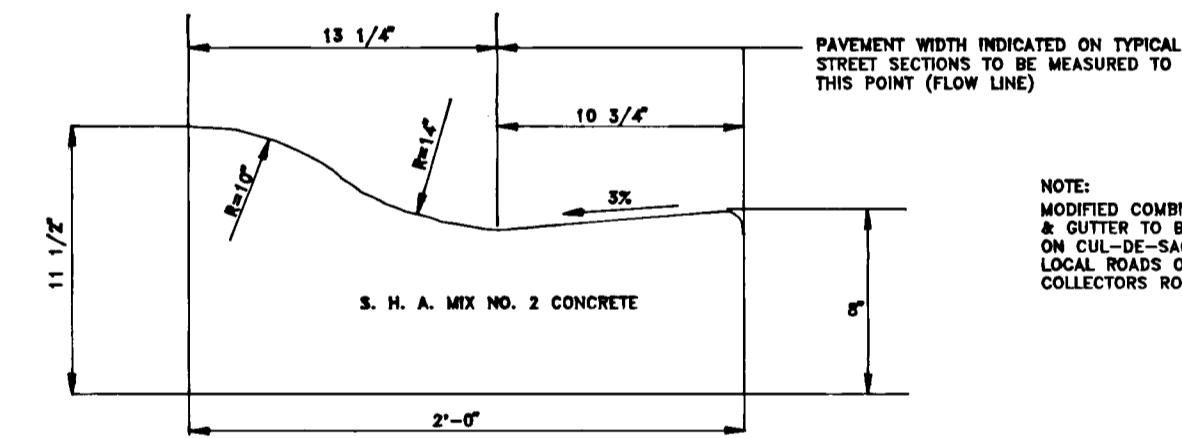
PLANT SCHEDULE					
SYMBOLS	LOCATION	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
	RIDGEVIEW DR.	PYRUS CALLERYANA	BRADFORD PEAR	13	2.5 MIN. CA. B&B

LEGEND :

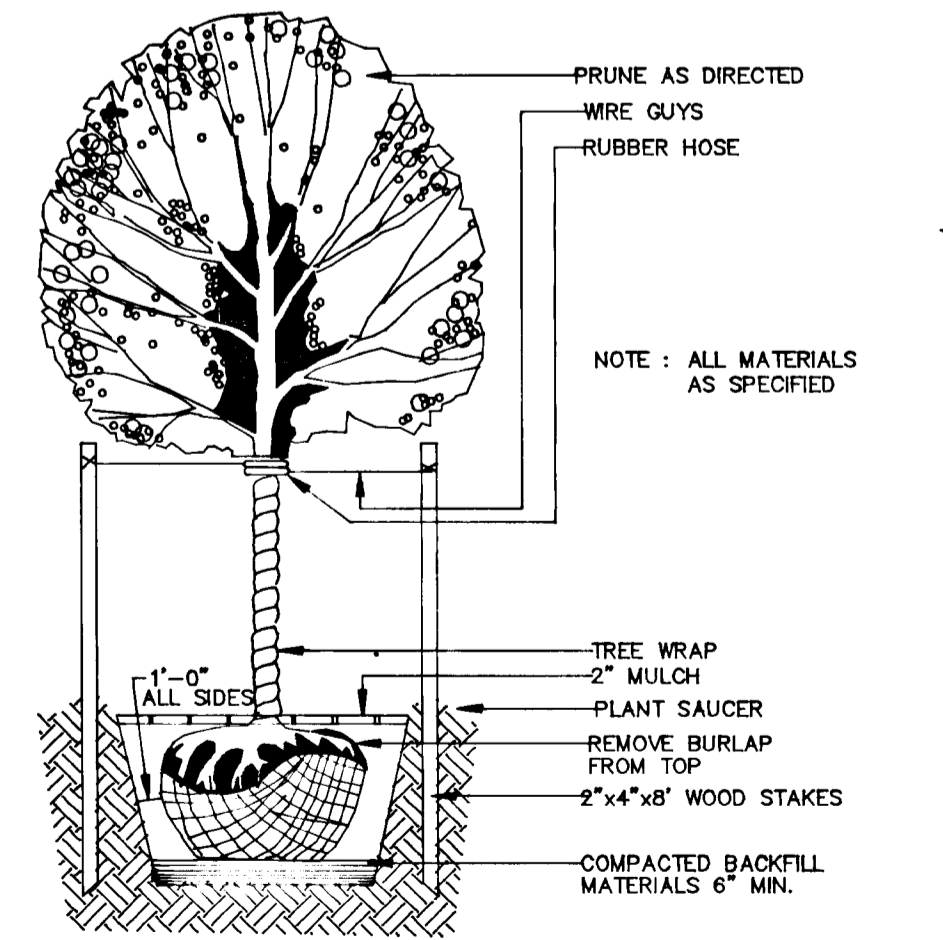
- STREET TREES
- STREET LIGHT
- SIDEWALK
- PROP. CURB



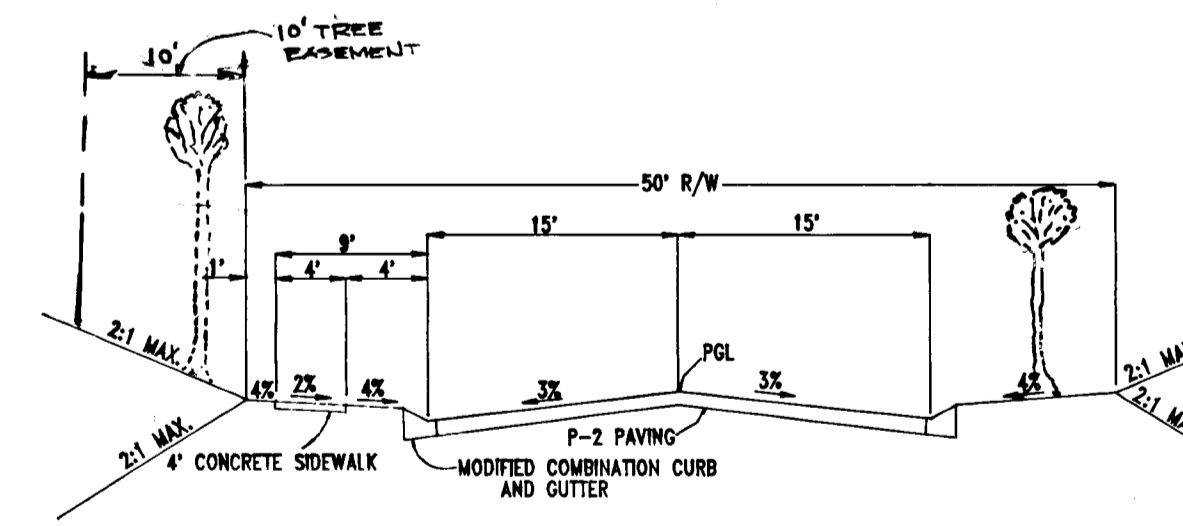
PROFILE OF RIDGEVIEW DRIVE
SCALE 1" = 50' HOR.
1" = 5' VER.
DESIGN SPEED = 25 MPH



MODIFIED COMBINATION CURB AND GUTTER
NOT TO SCALE



TYPICAL DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Gina Savin
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
DATE: 6/24/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Charles Moore
CHIEF, LAND DEVELOPMENT DIVISION
Charles Moore
CHIEF, BUREAU OF HIGHWAYS
Edward Latta
CHIEF, BUREAU OF ENGINEERING
DATE: 6/20/94
DATE: 6/23/94

PLAN AND PROFILE
RIDGEVIEW DRIVE

RUPPERT WOODS
LOT 1 - 15

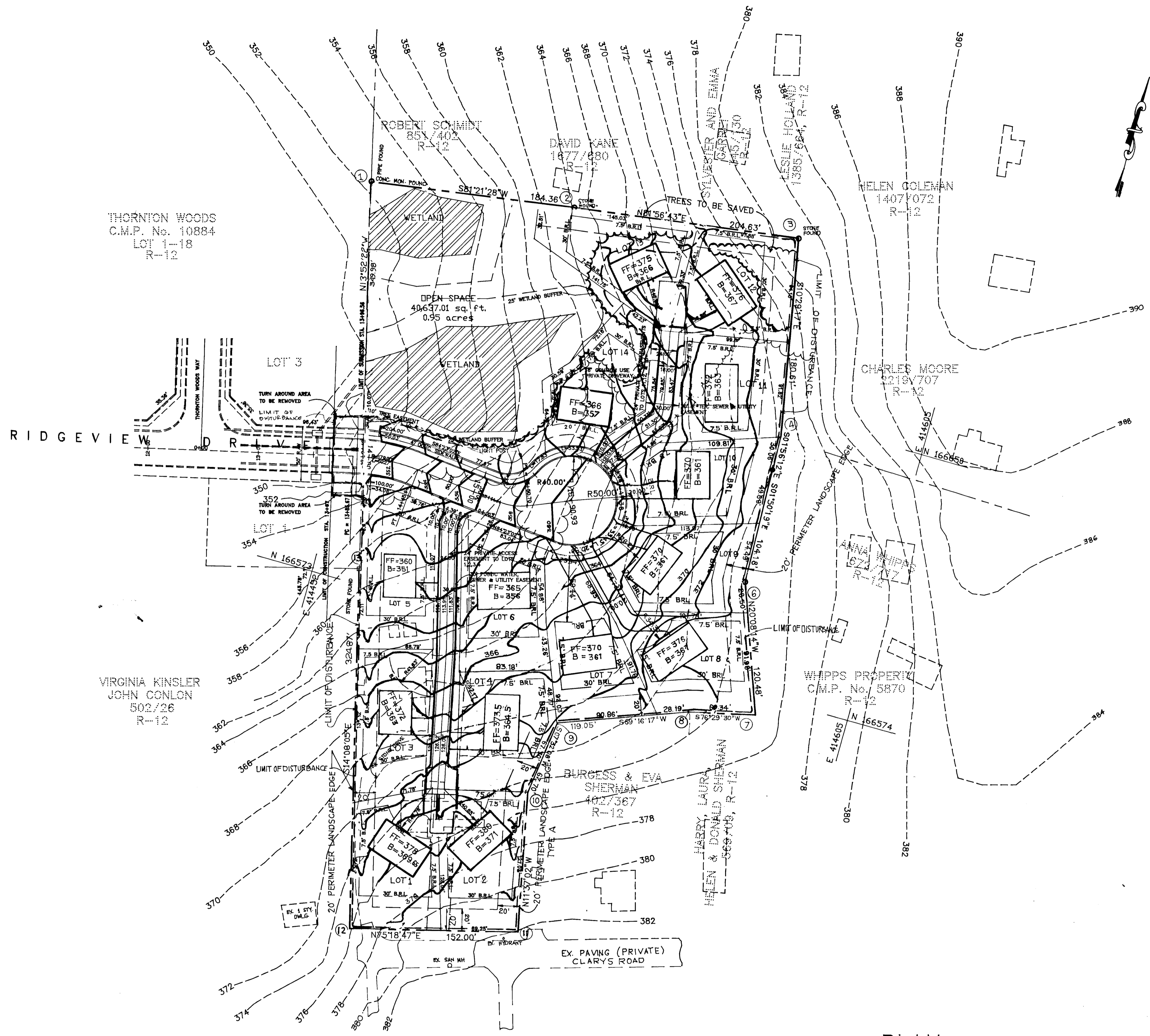
OWNER :
ERIC W. RUPPERT
7436 OAKLAND MILLS RD.
COLUMBIA, MARYLAND 21046

DEVELOPER :
RUPPERT PROPERTY LLC
1080 S HICKORY RIDGE RD.
COLUMBIA, MARYLAND 21045

SCALE : AS SHOWN
DESIGNED : J.C.S.
DATE : 8-7-94
DRAWN : J.C.S.
SHEET : 2 of 6
CHECKED : M.L.L.

loria engineering inc.
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.
301-465-0400

1702



PLAN
SCALE 1" = 50'

- LEGEND:
- EX. GRADE 747
 - PROP. GRADE 747
 - TREE LINE TO BE SAVED
 - STREET TREES
 - STREET LIGHT

APPROVED, HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Anna Szymanski 6/24/94
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED, HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Chris L. Williams 6/23/94
 CHIEF, LAND DEVELOPMENT DIVISION

APPROVED, HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Howard Shil 6-20-94
 CHIEF, BUREAU OF HIGHWAYS

APPROVED, HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Edmund Collier 6/23/94
 CHIEF, BUREAU OF ENGINEERING

21702

DESIGNED BY	J.C.S.	DATE	
DRAWN BY	J.C.S.	DATE	
CHECKED BY	MLL	DATE	6-2-94
	NO.	DATE	DESCRIPTION
			BY

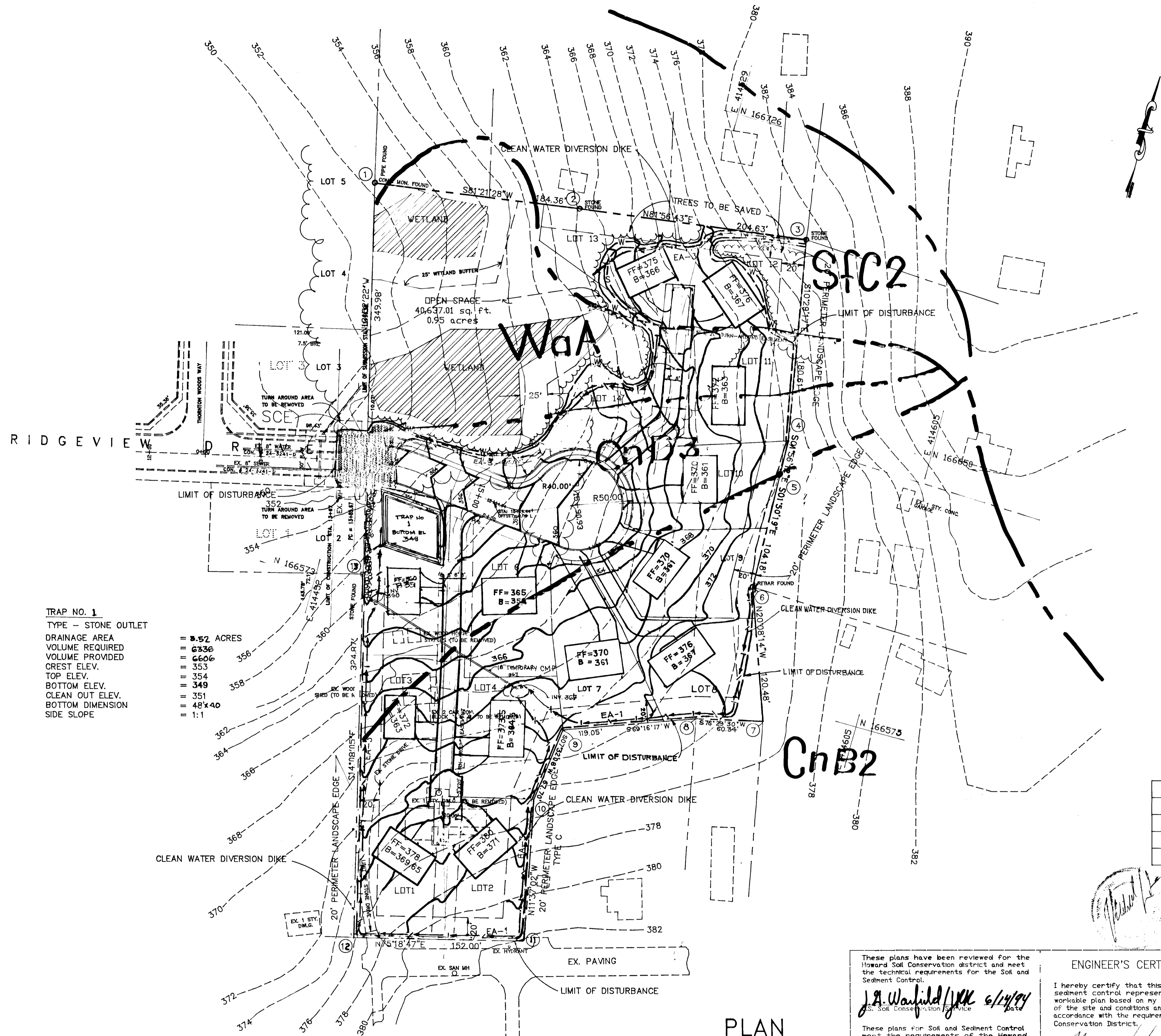
loria engineering inc.
 CONSULTING ENGINEERS—LAND PLANNERS—SURVEYORS
 3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.
 410-465-0400

DEVELOPER:
 RUPPERT PROPERTY LLC
 10805 HICKORY RIDGE ROAD
 COLUMBIA, MARYLAND 21045

OWNER:
 ERIC W. RUPPERT
 7436 OAKLAND MILLS RD.
 COLUMBIA, MARYLAND 21046

GRADING PLAN
RUPPERT WOODS
 LOTS 1 TO 15
 TAX MAP 42, PARCEL 42 & 373 6TH ELECTION DISTRICT, HOWARD COUNTY, MD.
 DATE : 02.03.94 SCALE : 1" = 50' SHEET 3 OF 6

F-94-103



NOTE SILT FENCE ON LOT 13 IS TO BE STAKED AT 3'-5' INTERVALS.

SEQUENCE OF CONSTRUCTION:

1. OBTAIN GRADING PERMIT
2. INSTALL BLAZE ORANGE PLASTIC WIRE MESH TREE PROTECTION.
3. INSTALL ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN SUCH AS SEDIMENT TRAPS 1&2, STONE CONSTRUCTION ENTRANCE, EARTH DIKES, SILT FENCE & THE TEMPORARY 18" CMP.
4. GRADE THE AREA AS SHOWN AND CONSTRUCT UTILITIES AND ROADS.
5. STABILIZE ALL DISTURBED AREA.
6. REMOVE ALL SEDIMENT CONTROL MEASURES INCLUDING TEMPORARY 18" CMP IN ACCORDANCE WITH HOWARD COUNTY SEDIMENT CONTROL DIVISION REQUIREMENT.

TRAP NO. 1
TYPE - STONE OUTLET
DRAINAGE AREA
VOLUME REQUIRED
VOLUME PROVIDED
CREST ELEV.
TOP ELEV.
BOTTOM ELEV.
CLEAN OUT ELEV.
BOTTOM DIMENSION
SIDE SLOPE

- = 0.52 ACRES
- = 6336
- = 6606
- = 353
- = 354
- = 349
- = 351
- = 48x40
- = 1:1

SOILS		
SYMBOL	NAME	TYPE
CnB2	CHILLUM-FAIRFAX LOAM	C
CnD3	CHILLUM-FAIRFAX LOAM	C
SfC2	SASSAFRAS GRAVELLY SANDY LOAM	B
Waa	WATCHUNG SILT LOAM	D

LEGEND:

- EX. GRADE
- PROP. GRADE
- EX. TREE LINE
- TREE LINE TO BE SAVED
- STREET TREES
- STREET LIGHT
- CLEAN WATER DIVERSION DIKE
- LIMIT OF DISTURBANCE
- SILT FENCE
- TREE PROTECTION PLASTIC MESH
- STONE CONSTRUCTION ENTRANCE

PLAN
SCALE 1" = 50'

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for the Soil and Sediment Control.
J.A. Warfield / JRC 6/14/94
Soil Conservation Service
These plans for Soil and Sediment Control meet the requirements of the Howard County Soil Conservation District.
John R. Ruppert 6/14/94
Howard Soil Conservation District

ENGINEER'S CERTIFICATE

I hereby certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

Mark H... / *4/14/94*
SIGNATURE OF ENGINEER DATE

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

Eric W. Ruppert / *4-8-94*
BUILDER/DEVELOPER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Anna ... / *6/24/94*
CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Howard ... / *6/24/94*
CHIEF, BUREAU OF HIGHWAYS DATE
... / *6/24/94*
CHIEF, BUREAU OF ENGINEERING DATE

DESIGNED BY J.C.S. DATE
DRAWN BY J.C.S. DATE
CHECKED BY M.L. DATE 6-7-94

NO.	DATE	DESCRIPTION	BY

loria engineering inc.
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.
410-465-0400

DEVELOPER:
RUPPERT PROPERTY LLC
10805 HICKORY RIDGE ROAD
COLUMBIA, MARYLAND 21045

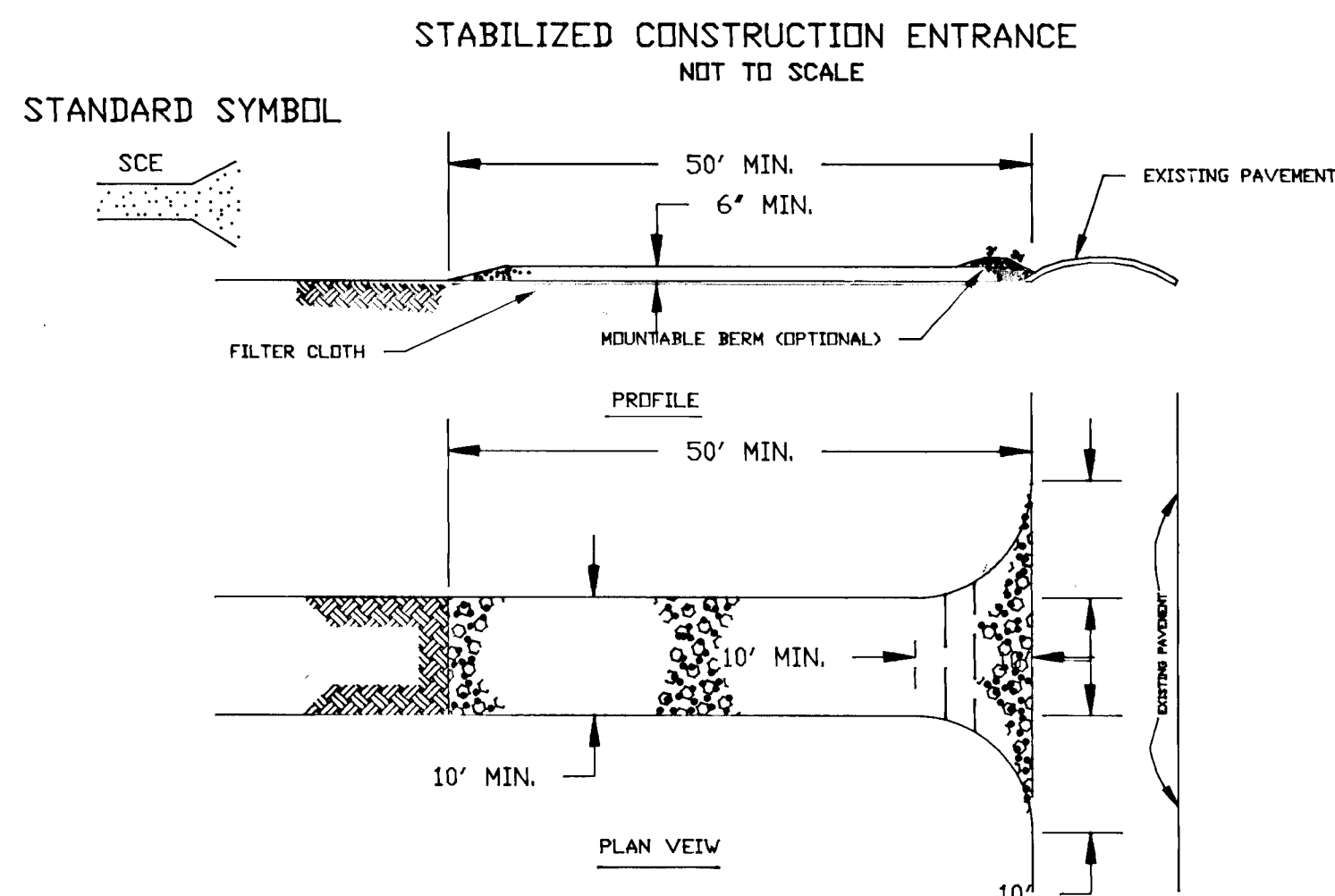
OWNER:
ERIC W. RUPPERT
7436 OAKLAND MILLS RD.
COLUMBIA, MARYLAND 21046

SEDIMENT CONTROL PLAN AND SOILS MAP
RUPPERT WOODS
LOTS 1 TO 15

TAX MAP 42, PARCEL 42 & 373 6TH ELECTION DISTRICT, HOWARD COUNTY, MD.
DATE : 5-23-94 SCALE : 1" = 50' SHEET 5 OF 6

F-94-103

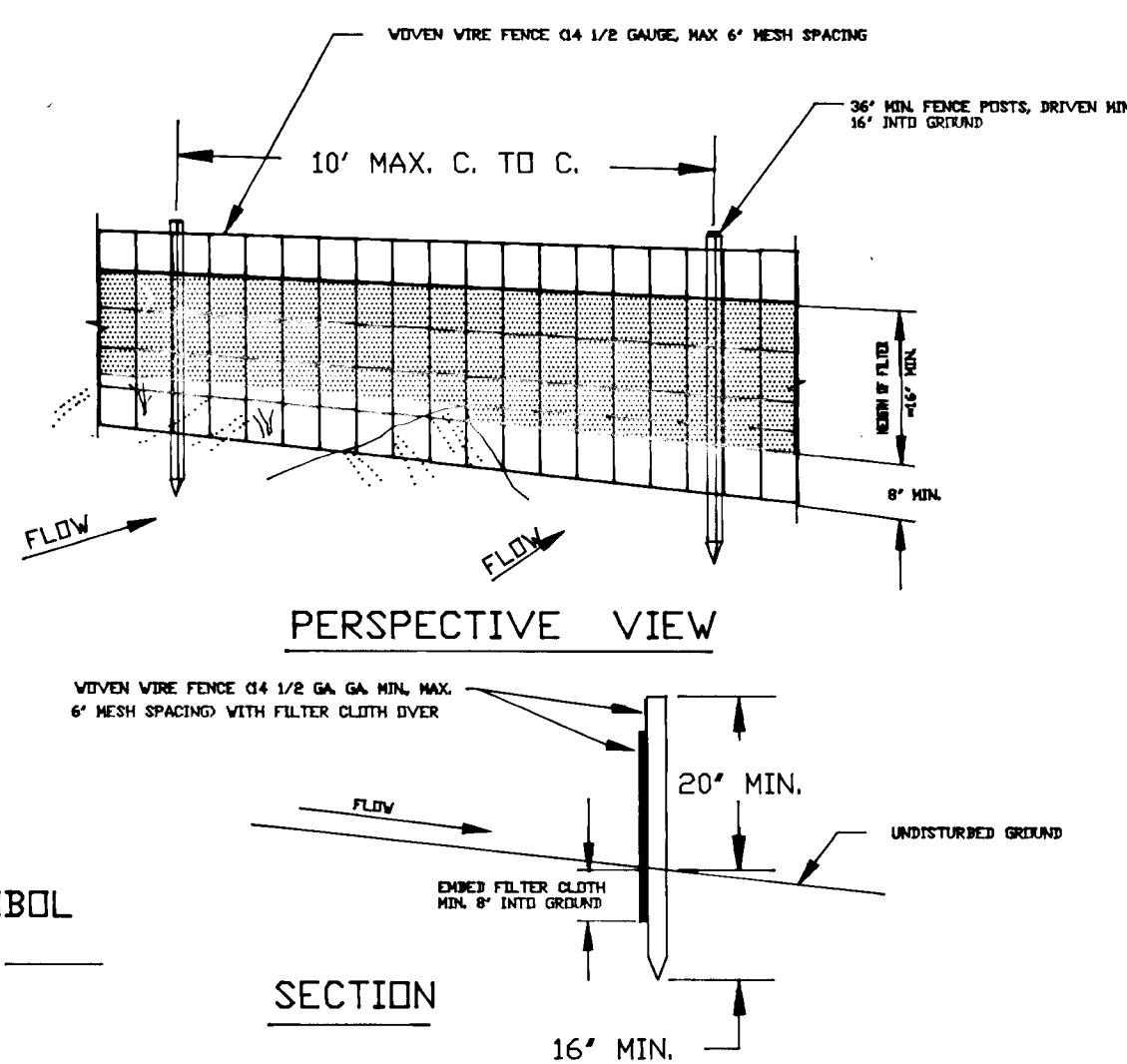
2001



CONSTRUCTION SPECIFICATION

1. STONE SIZE - USE 2" STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FEET MINIMUM, BUT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5% SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS - OF - WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS - OF - WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS - OF - WAY. WHEN IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SILT FENCE



CONSTRUCTION NOTES FOR FABRICATION SILT FENCE

1. VOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO VOVEN WIRE FENCE WITH TIES SPACED EVERY EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN ENVIRONMENTAL BULGES DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: VOVEN WIRE, 14.5 GAL. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100 X, STABE - LINKA T 140 N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIRONMENTAL OR APPROVED EQUAL.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, UNLESS PREVIOUSLY LOOSENED.

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

- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FEET) 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).
- 2) 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 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (14 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU 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 SDD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE 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.

TEMPORARY SEEDING NOTES

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, UNLESS PREVIOUSLY LOOSENED.

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

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (07 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU 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 SDD.

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 GAL PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 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.

STANDARD AND SPECIFICATION FOR VEGETATIVE STABILIZATION WITH SDD

1. CLASS OF TURFGRASS SDD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SDD.
2. SDD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS 1/4 INCH. AT THE TIME OF CUTTING, MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
3. STANDARD SIZE SECTIONS OF SDD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
4. INDIVIDUAL PIECES OF SDD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
5. SDD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
6. SDD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 96 HOURS. SDD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

1. SITE PREPARATION

FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS UNSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.

- A. PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
- B. WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1000 SQUARE FEET IN ALL SOILS 1000 POUNDS PER ACRE OR 25 POUNDS PER 1000 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
- C. ALL AREAS RECEIVING SDD SHALL BE UNIFORMLY FINE GRADED, HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SDD.

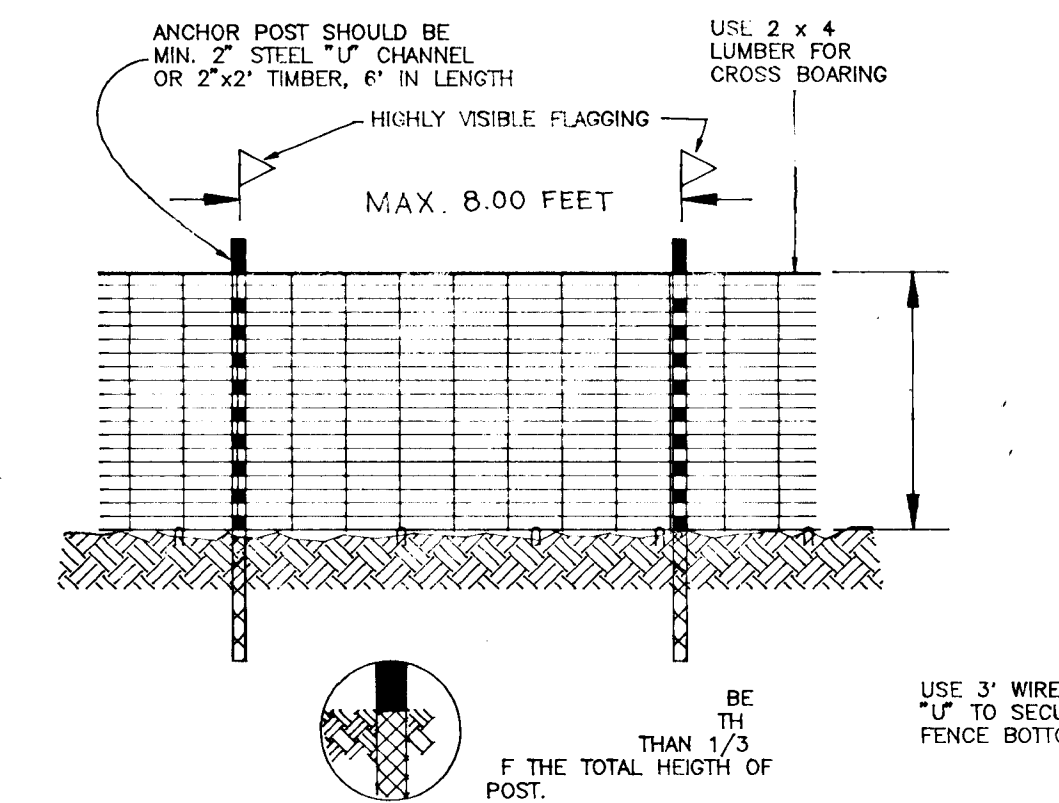
1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437)

2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
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.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SDD (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.
6. 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. SITE ANALYSIS:

TOTAL AREA OF SITE	6.61 ACRES
AREA DISTURBED	4.50 ACRES
AREA TO BE ROOFED OR PAVED	1.20 ACRES
AREA TO BE VEGETATIVELY STABILIZED	3.80 ACRES
TOTAL CUT	3100 CU. YDS
TOTAL FILL	0 CU. YDS
OFF-SITE WASTE/BORROW AREA LOCATION	TO BE DETERMINED DURING CONSTRUCTION
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW 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.

GENERAL NOTES

- 1) REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- 2) WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT.
- 3) AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- 4) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND (B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 5) ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- 6) DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PP 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
- 7) ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
- 8) EXCESS CUT OR BORROW MATERIAL SHALL GO TO OR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE:
 - 9) REFER TO 'MARYLAND'S GUIDELINES TO WATERWORKS CONSTRUCTION' BY THE WATER RESOURCES ADMINISTRATION (WRA), DATED JANUARY, 1986, FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.



- NOTES:**
1. FOREST PROTECTION DEVICE ONLY
 2. RETENTION AREA WILL BE SETAS PART OF THE REVIEW PROCESS
 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKE AND FLAGGED PRIOR TO INSTALLING DEVICE.
 4. ROOT DAMAGE SHOULD BE AVOIDED.
 5. PROTECTIVE SIGNAGE MAY ALSO BE USED.
 6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

BLAZE ORANGE PLASTIC MESH

NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chira Summari, 6/24/94
 CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chad Danner, 6/20/94
 CHIEF, LAND DEVELOPMENT DIVISION
 Approved: 6-22-94
 Chief, Bureau of Highways
 C. Edward Batts for 6/23/94
 CHIEF, BUREAU OF ENGINEERING

oria engineering inc.
 CONSULTING ENGINEERS • LAND PLANNERS • SURVEYORS
 3230 BETHANY LANE, SUITE 4
 ELLICOTT CITY, MARYLAND 21043
 TEL. (301) 465-0400

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for soil and sediment control
 J. A. Winkler/JAW 6/14/94
 U.S. Soil Conservation Service
 These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.
 John K. Robertson 6/14/94
 Howard Soil Conservation District

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.
 Signature of Engineer: [Signature] DATE: 6-14-94

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.
 Signature of Developer/Builder: [Signature] DATE: 4-8-94

RUPPERT WOODS
 LOTS 1 TO 15
SEDIMENT AND EROSION CONTROL NOTES
 owner: ERIC W. RUPPERT
 7436 OAKLAND MILLS RD.
 COLUMBIA, MARYLAND 21046
 SCALE: AS SHOWN DATE: 5-23-94 SHEET: 6 of 6
 DESIGNED: JNC DRAWN: JNC CHECKED: MLL
 F-94-103

17017