

SEDIMENT CONTROL NOTES

- 1) A minimum of 48 hours notice must be given to the Howard County Department of Inspections, licenses and permits, sediment control division prior to the start of any construction (313-1855).
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in for soil erosion and sediment control and reversion thereto.
- 3) Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, piles, perimeter slopes and all slopes steeper 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 1984 Maryland standards and specifications for soil erosion and sediment control for permanent seeding (Sec. 51), SOD (Sec. 54), temporary seeding (Sec. 52), and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding rates 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: SEE BELOW
- 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 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 not proceeding with any other disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

SEQUENCE OF CONSTRUCTION
SEE BELOW

TEMPORARY SEEDING NOTES
Apply to graded or cleared areas likely to be redistributed 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 located.

Soil Amendments:
Apply 600 LBS. Per acre 10-10-10 fertilizer (14 lbs./1,000 Sq. Ft.)

Seeding:
For the periods March 1 through April 30, and August 15 through November 15, seed with 1/2 bushel per annual ryegrass (3.2 lbs./1,000 sq. ft.) for the period May 1 thru August 14. Seed with 1/2 bushel per annual ryegrass (3.2 lbs./1,000 sq. ft.) for the period November 15 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 sod.

Mulching:
Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1,000 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./1,000 sq. ft.) of emulsified asphalt on flat areas, on slopes 8 feet or higher. Use 348 gallons per acre (8 gal./1,000 sq. ft.) for anchoring.

Permanent Seeding Notes
All disturbed areas shall be stabilized as follows:

Seedbed preparation:
Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments:
Apply two tons per acre Dolomitic limestone (92 lbs./1,000 sq. ft.) and 600 lbs. per acre 0-20-20 fertilizer (14 lbs./1,000 sq. ft.) before seeding Harrow or disc. Into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-30-0 ureaform fertilizer (9 lbs./1,000 sq. ft.) and 500 lbs. per acre 0-15-0 fertilizer (3 lbs./1,000 sq. ft.) of 10-20-10 fertilizer.

Seeding:
For the periods March 1 through April 30, and August 1 through October 15, seed with 100 lbs. Per acre (2.5 lbs./1,000 sq. ft.) of Kentucky 31 tall fescue, for the period May 1 through July 31, seed with 60 lbs./acre (1.5 lbs./1,000 sq. ft.) Kentucky 31 tall fescue and 2 lbs. Per acre (0.05 lbs./1,000 sq. ft.) of creeping lovegrass. During the period of October 16 through February 28, project site by Option (1) two tons per acre of well anchored straw mulch and seed as soon as possible in the spring option (2) - use 500; option (3) - seed with 100 lbs./acre Kentucky 31 tall fescue and mulch with two tons/acre well anchored straw. All slopes should be hydroseeded.

Mulching:
Apply 1 1/2 to 2 tons per acre (10 to 90 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gal./1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher use 348 gallons per acre (8 gal./1,000 sq. ft.) for anchoring.

Maintenance:
Inspect all seeded areas and make needed repairs, replacements and reseedings.

? For public ponds substitute chevron crownatch at 15 lbs./acre and Kentucky 31 tall fescue at 40 lbs./acre as the seeding requirement. Optimum seeding date for this mixture is March 1 to April 30.

Topsoil specifications - soil to be used as topsoil must meet the following:
Topsoil shall be a loam, sandy loam, clay loam, silty loam, sandy clay loam, loamy sand. Other soils may be used if approved by 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 longer than 1 1/2" in diameter.

Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, johnsongrass, nutgrass, poison ivy, thistle, or others as specified.

Where the topsoil 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:

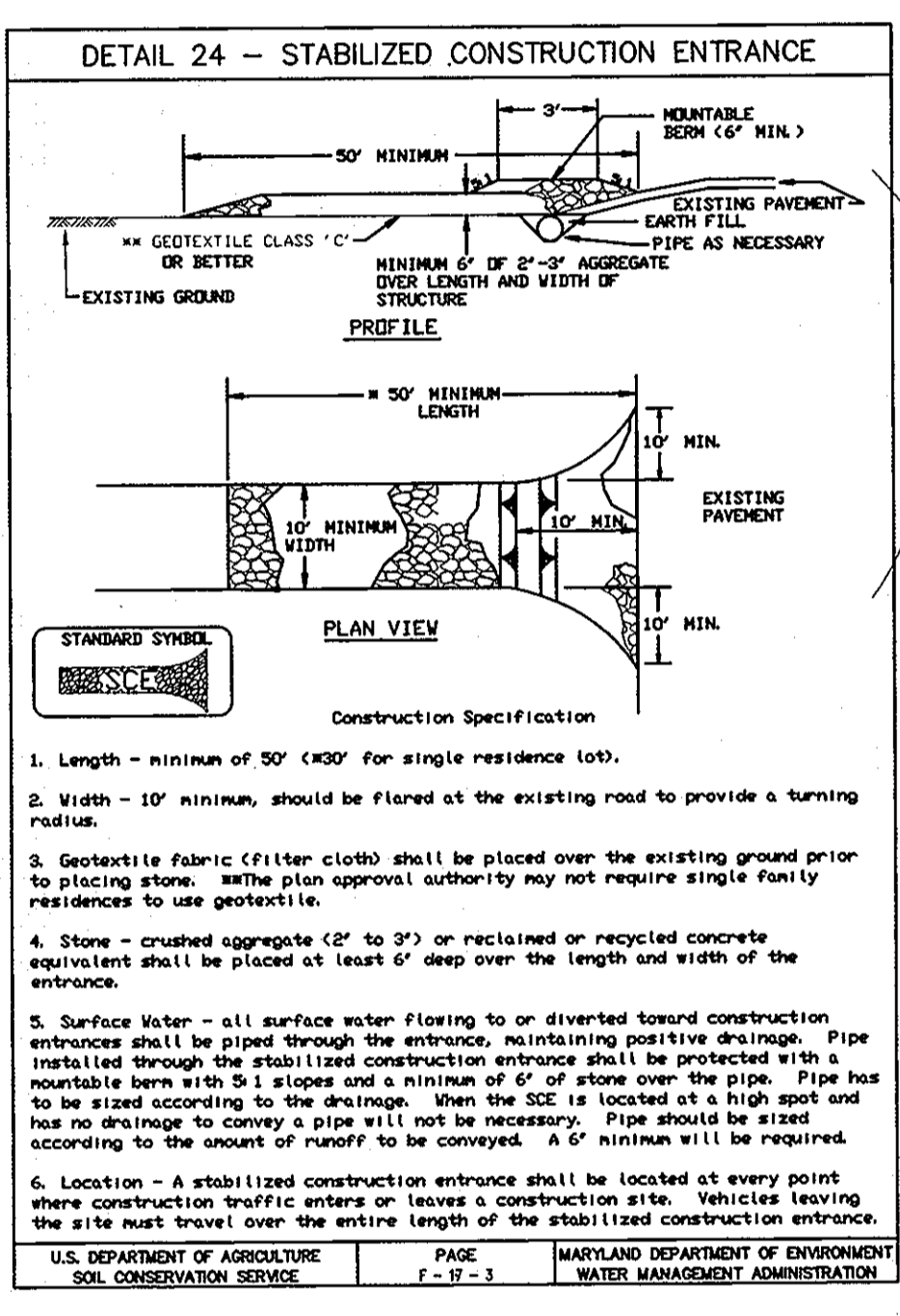
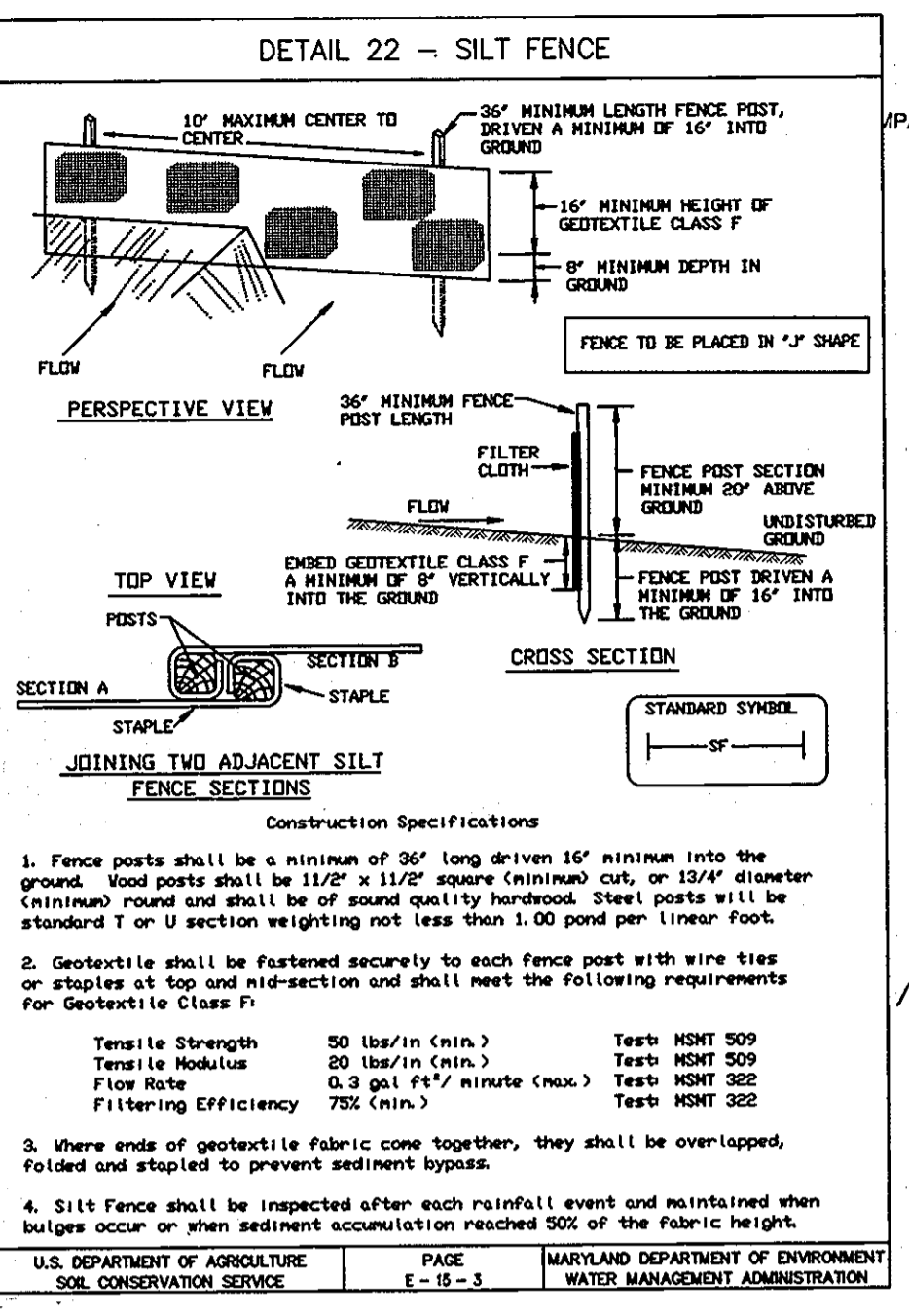
SITE ANALYSIS

TOTAL AREA	43647 SQ.FT.
AREA TO BE DISTURBED	4078 SQ.FT.
AREA TO BE UNDISTURBED	40265 SQ.FT.
AREA TO BE SEEDED	7246 SQ.FT.
AREA TO BE PAVED	1573 SQ.FT.
ZONED	R-20
1 SINGLE FAMILY RESIDENCE	

Reviewed For Howard SCD and meets Technical Requirements
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

John R. Robertson 7/20/09
HOWARD SCD DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
7/23/09
Chief, Development Engineering Division
Chief, Division of Land Development
Director, DEP



MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH THESE REQUIREMENTS.

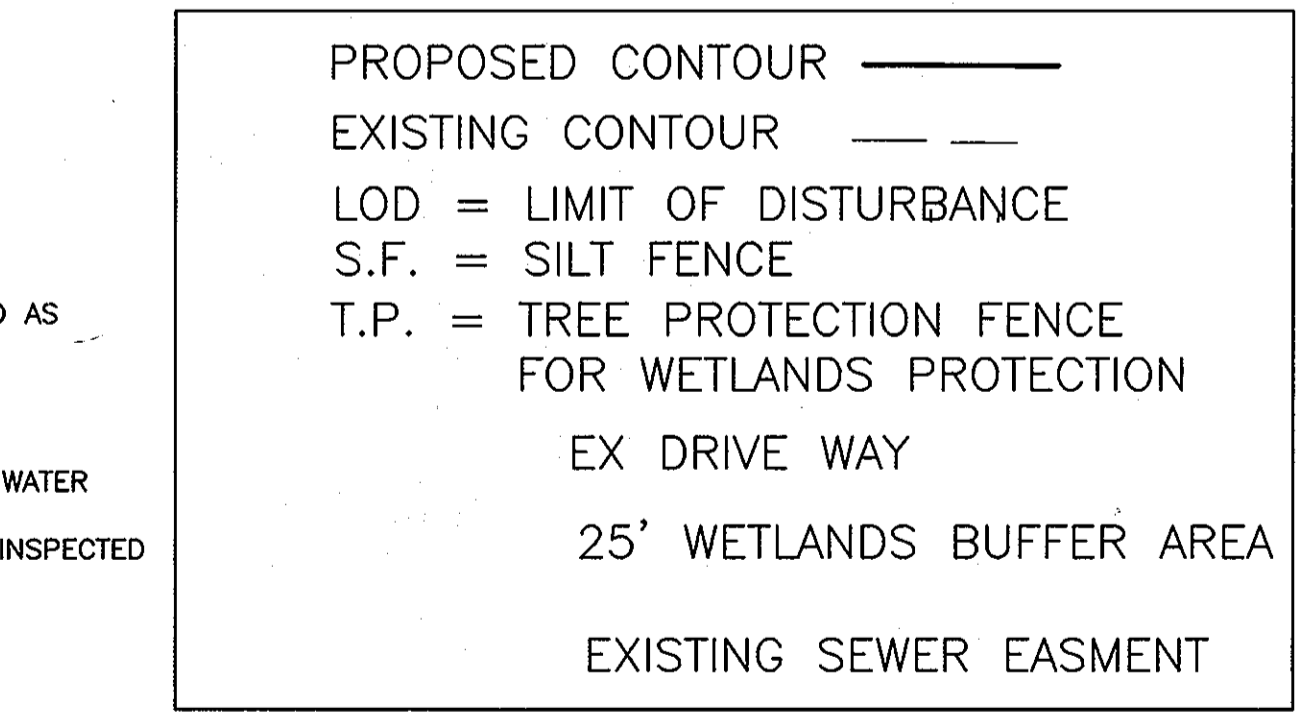
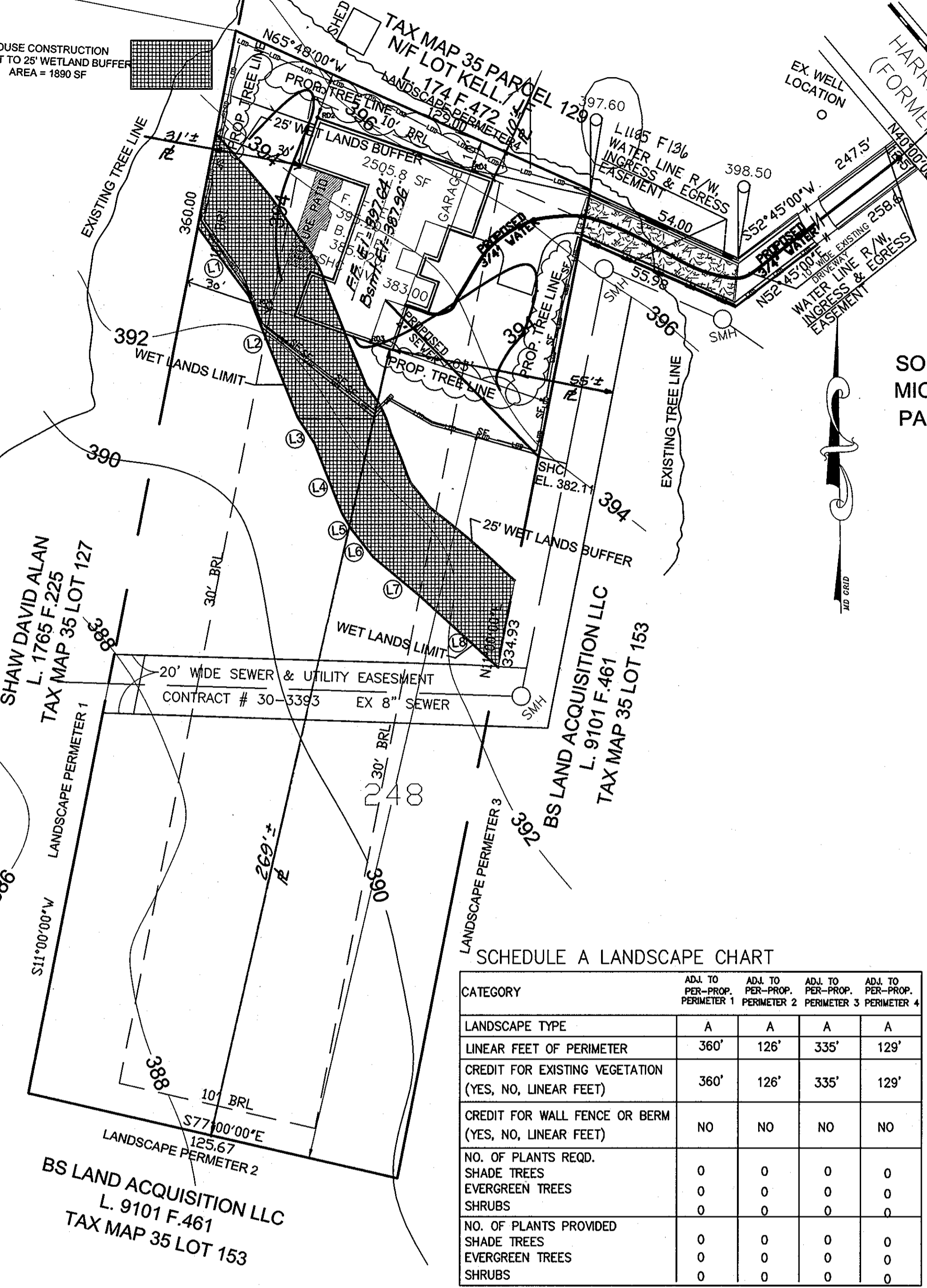
- CONSTRUCTION SEQUENCE**
- 1) PLACE THE SUBBASE GRAVEL AT FINISHED GRADE TO BE USED AS TEMPORARY ENTRANCE.
 - 2) INSTALL EROSION AND SEDIMENT CONTROL AS SHOWN
 - 3) EXCAVATE AND GRADE THE SITE
 - 4) SEED AND MULCH NEST SLOPES
 - 5) COMPLETE BUILDING AND WELL CONSTRUCTION AND CONNECT WATER
 - 6) PLACE WEARING SURFACE ASPHALT ON DRIVEWAY
 - 7) REMOVE E&S MEASURES AFTER SLOPES ARE STABILIZED AND INSPECTED

DEVELOPER CERTIFICATION
I/We certify that all development and construction will be done according to the plan, and that any responsible personnel involved in the construction project will have a certificate of attendance at a Department of the environment approved training program for the control of sediment and erosion before beginning the project. I also authorize periodic on site inspection by the Howard Soil Conservation District.

Rosalind Scott
Signature of Developer Date

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 condition and that it was prepared in accordance with the requirements of the Howard Soil Conservation.

Rafik Bazikian
Rafik Bazikian, P.E. Nov. 14, 2008
Signature of Engineer Date



WETLAND LIMIT

SYMBOL	BEARING	DISTANCE
1	S3630°05'E	28.40'
2	S2115°13'E	43.74'
3	S3307°59'E	9.95'
4	S2123°29'E	25.11'
5	S3030°35'E	6.05'
6	S3754°54'E	11.83'
7	S5003°25'E	20.62'
8	S4729°58'E	34.90'

STATE OF MARYLAND
DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION
NO. 17028
JULY 17, 2009

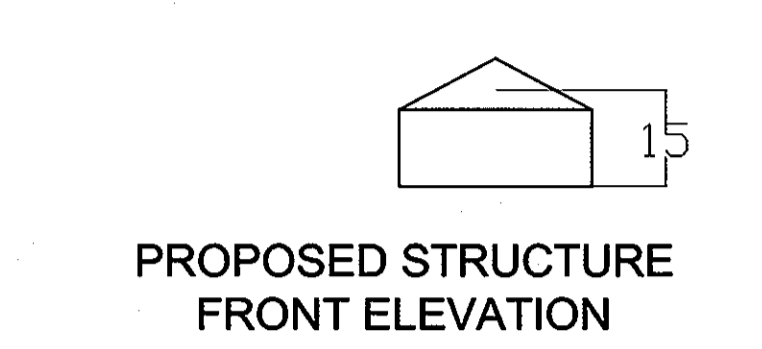
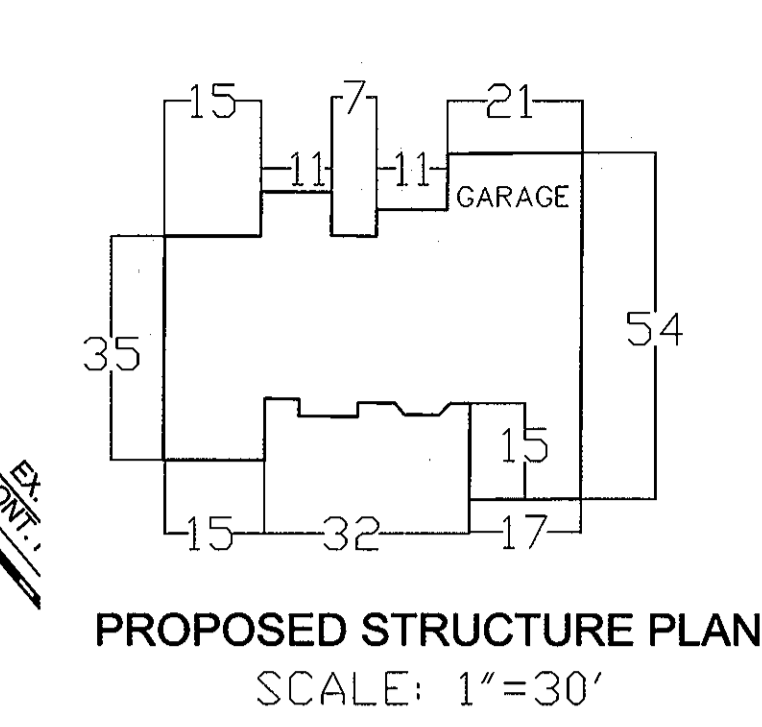
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 17028, Expiration Date: 08-16-2010.

BAZIKIAN CONSULTANTS, LTD.
ENGINEERS
103 A WASHINGTON BLVD., LAUREL, MD 20707
TEL. (301) 497 1631. FAX (301) 497 1635
INFO@BAZIKIAN.COM

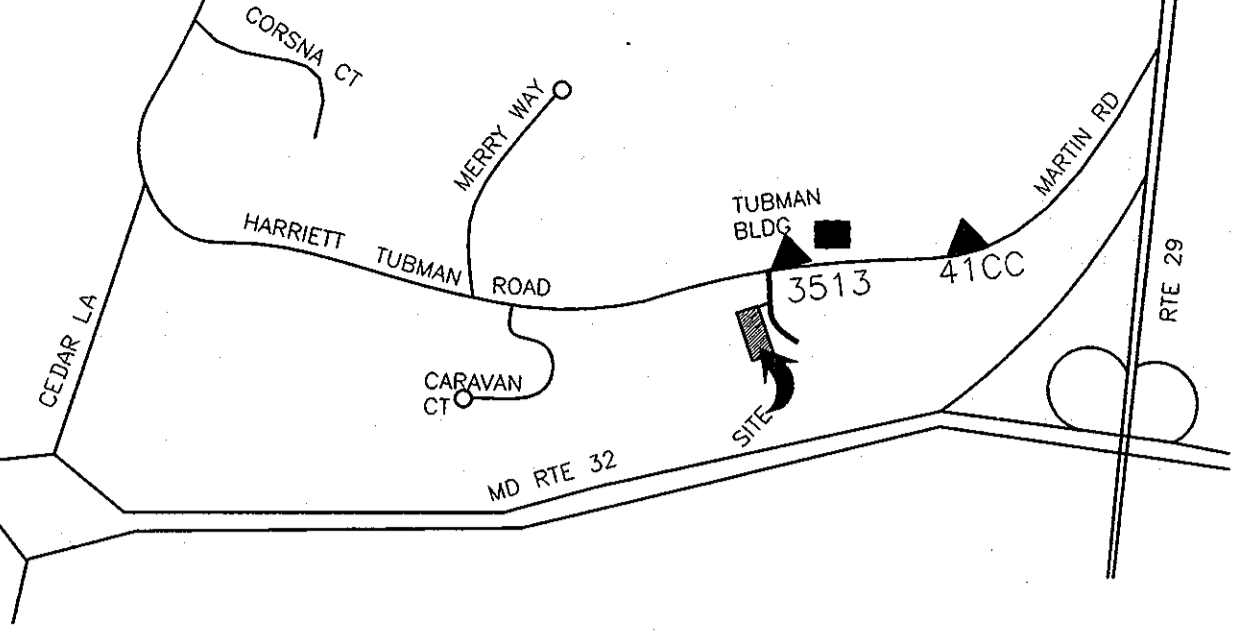
ENGINEER:
RAFIK BAZIKIAN, P.E.
BAZIKIAN CONSULTANTS, LTD.
103A WASHINGTON BLVD. S.
LAUREL, MD 20707
(301) 497 1631

Red Line Revision by:
Surveys, Inc.
350 Main Street
Laurel, Maryland 20707
301-776-0561

DEVELOPER:
MICHAEL COLLINS
LEGENDS BUILDERS, INC.
P.O. BOX 511
BURTONSVILLE, MD 20866
301-490-3651

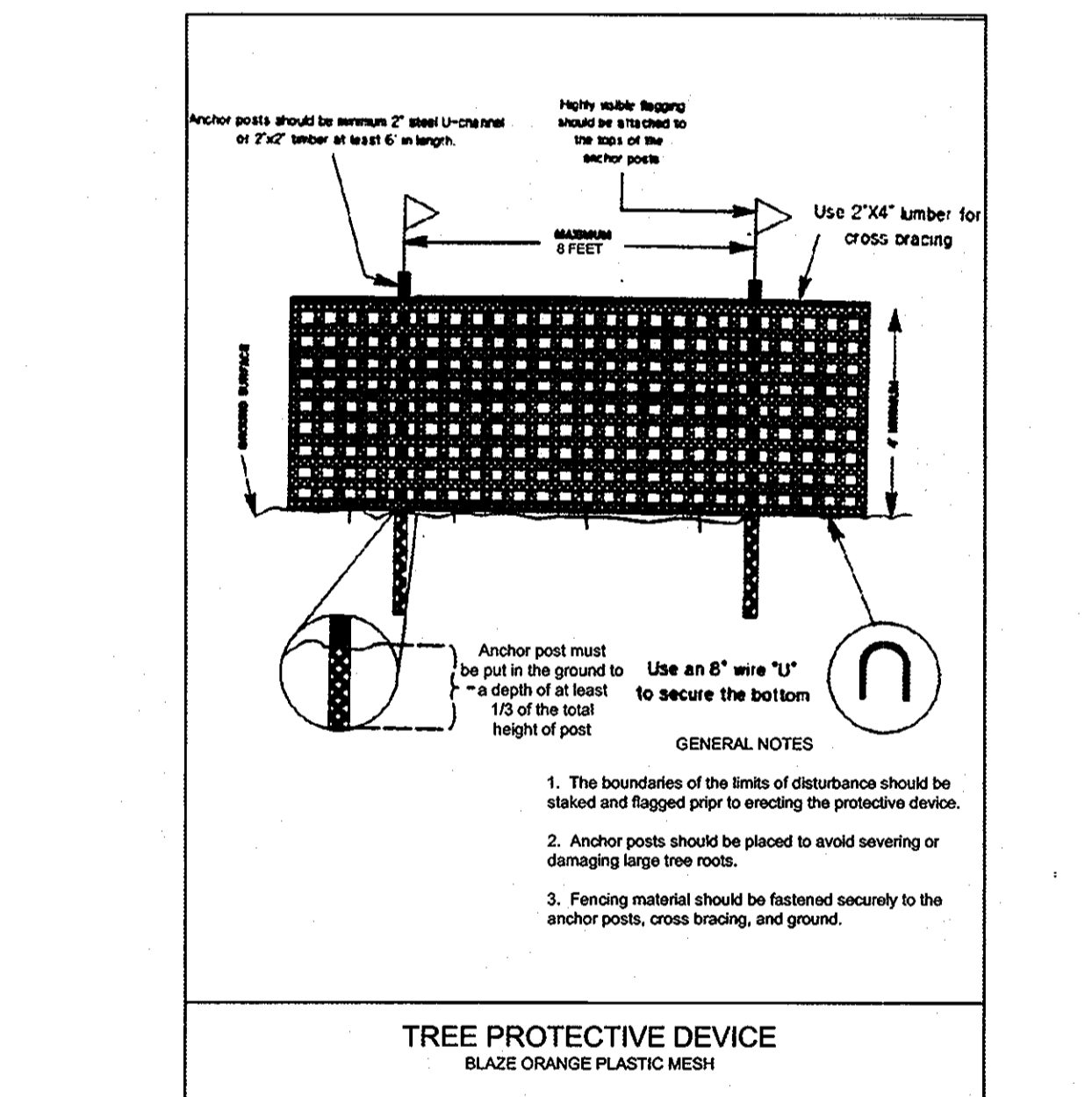


- GENERAL NOTES:**
1. THE PROPERTY IS ZONED R-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND "COMP. LITE" ZONING AMENDMENTS EFFECTIVE 7/28/06.
 2. IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
 3. ANY CHANGES TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
 4. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
 5. EXISTING UTILITY CONTRACT NUMBERS ARE: SEWER (529-S) AND WATER (142-W).
 6. HOWARD COUNTY DPW RESIDENTIAL DRIVEWAY ENTRANCE CONNECTION TO OPEN SECTION ROADWAY (R6.06 REV. JAN. 1989) WILL BE FOLLOWED.
 7. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS.
 - A) WIDTH-12' (16' SERVING MORE THAN ONE RESIDENCE);
 - B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.(1-1/2" MIN)
 - C) GEOMETRY - MAXIMUM 15% GRADE, MAX 10% GRADE CHANGE AND MINIMUM OF 45' TURNING RADIUS;
 - D) STRUCTURES (BRIDGES/CULVERTS)- CAPABLE OF SUPPORTING 25 GROSS TONS (H25-LOADING)
 - E) DRAINAGE ELEMENTS- CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
 - F) STRUCTURE CLEARANCE- MINIMUM 12'
 - G) MAINTENANCE- SUFFICIENT TO ENSURE ALL WEATHER USE
 8. A DESIGN MANUAL WAIVER HAS BEEN OBTAINED FOR PROVIDING A 10' WIDE DRIVEWAY IN LIEU OF 16' WIDE DRIVEWAY.
 9. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT (410) 313-1880.
 10. B.R.L. INDICATES BUILDING RESTRICTION LINE.
 11. THE STORMWATER MANAGEMENT IS PROVIDED BY ROOF TOP DISCONNECT CREDIT INTO WETLANDS AREA. CPV IS NOT REQUIRED FOR THIS SITE.
 12. SEWER HOUSE CONNECTION GRADE WILL BE AT 2% MINIMUM SLOPE.
 13. IN ACCORDANCE WITH SECTION 16.127(c)(2)(iii), A BUILDING MUST BE LOCATED TO MINIMIZE INFRINGEMENT ON THE PRIVACY OF ADJOINING RESIDENTIAL PROPERTIES. THIS NEW HOUSE WILL BE LOCATED MORE THAN 50 FEET FROM ANY EXISTING BUILDING/ HOMES. THE PERIMETERS WILL BE BUFFERED WITH LANDSCAPE TREE PLANTINGS.
 14. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257 7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
 15. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS OR THEIR BUFFERS EXCEPT FOR THE WETLAND BUFFER IMPACT THAT IS ASSOCIATED WITH ACCOMMODATING THE PROPOSED HOUSE AS SHOWN AND APPROVED ON THE SITE PLAN BY MDE AS DETERMINED ESSENTIAL OR NECESSARY BY DPZ FOR A DEEDED PARCEL OF LAND IN ACCORDANCE WITH SECTION 16.116(c) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
 16. THE SITE IS WOODED, THE PERIMETERS PROVIDE THE CREDIT REQUIRED PER THE HOWARD COUNTY LANDSCAPE MANUAL AND PER SECT. 16.120(B)(6)(VI) OF THE SUBDIVISION REGULATION.
 17. THIS SITE IS EXEMPT FROM FOREST CONSERVATION FOR CLEARING LESS THAN 40,000 SF AREA, A DECLARATION OF INTENT HAS BEEN FILED.



VICINITY MAP 1"=2000'
ADC MAP PAGE15 C11
41CC NORTHING: 168400.5876 EASTING: 410585.4375 EL. 121.9037
3513 NORTHING: 168729.5990 EASTING: 410291.5184 EL. 126.5945

- NOTES**
1. OWNER/BUILDER: ROSALIND SCOTT / MICHAEL COLLINS
 2. SURVEYED BY: J.E. CLARK COMPANY, 1 FEB. 2005
 3. BASED ON FEMA AND HOWARD COUNTY FLOODPLAIN STUDY. PROPOSED LOT IS OUTSIDE OF 100-YR FLOODPLAIN LIMITS
 4. PROPOSED HOUSE IS ONE STORY STRUCTURE
 5. SITE SOILS TYPE MgB2 (Montalto Silt Loam)
 6. THE ENTIRE SITE IS WOODED
 7. THIS PARCEL IS ZONED R-20



REVISION

1. Revise Redline Markup	2-18-10
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ADDRESS CHART

PARCEL #	STREET ADDRESS
320	8032 HARRIET TUBMAN LANE

PERMIT INFORMATION CHART

DEED	Grid #	Zoning	Tax Map No.	Elect Distr	Census Tract
L-8877 F-52	24	R-20	35	5	605602
Water Code	E-16	Sewer Code	6580000		

ROSALIND SCOTT
SITE DEVELOPMENT & W.H. CONNECTION PLAN
SINGLE FAMILY DWELLING
TAX MAP 35 PARCEL 320
ELECTION DISTRICT NO. 6
HOWARD COUNTY, MARYLAND

DATE: 05/18/09
SCALE: 1" = 30'
SHEET 1 OF 1

SDP-06-051