

GENERAL NOTES

1. PARCEL SIZE 80,824 SF (1.86 AC)
2. THIS PROPERTY IS ZONED R-20 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE "COOP LITE" ZONING AMENDMENTS EFFECTIVE 7/28/06
3. THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
4. TOPOGRAPHY INDICATED IS FIELD SURVEY BY CLARK, FINEFROCK & SACKETT JULY 7, 2006
5. PROPERTY IDENTIFICATION- TAX MAP 46, GRID 12, PARCEL 338 RECORDED AT L. 9836, F. 508
6. THE COORDINATES SHOWN HERE ON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 46FM1 AND 47FM1 WERE USED FOR THIS PROJECT.
7. THIS PLAN IS SUBJECT TO THE AMENDED 5TH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS
8. THE EXISTING HOUSE ON LOT 4 IS TO BE DEMOLISHED.
9. SET BACK REQUIREMENTS
FRONT 20'
SIDE 10'
REAR 30'
10. THE ROADWAY PROVIDING ACCESS TO THE SITE IS PUBLIC. THE DRIVEWAY PROVIDING ACCESS TO LOTS 3 & 4 IS EXISTING.
11. DRIVEWAY REQUIREMENTS:
A) WIDTH-12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).
B) SURFACE-6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1.5" MIN).
C) GEOMETRY- MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45-FOOT TURNING RADIUS.
D) STRUCTURE (CULVERT/BRIDGES)- 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) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
12. THERE ARE NO 100 YEAR FLOODPLAINS OR WETLANDS ON THIS SITE.
13. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY.
14. UTILITIES SHOWN AS EXISTING WERE TAKEN FROM APPROVED WATER CONTRACT 354W AND SEWER CONTRACT 529S.
15. 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.
16. STORMWATER MANAGEMENT IS PROVIDED THROUGH THE USE OF TWO BIO-RETENTION FACILITIES AT AREA A & B.
17. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION WITH THE FILING OF A DECLARATION OF INTENT FOR A SINGLE LOT CLEARING LESS THAN 40,000 SQUARE FEET OF FOREST.
18. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS OF CONSTRUCTION INSPECTION AT (410)313-1880 AT LEAST 5 DAY PRIOR TO START OF WORK.
19. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
20. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED 21 TREES IN THE AMOUNT OF \$6,600 IS PART OF THE DEVELOPERS AGREEMENT.
21. AT THE TIME OF PLANT INSTALLATION ALL SHRUBS AND TREES LISTED AND APPROVED ON THIS SDP SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THE APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO THE APPLICABLE PLANS.
22. THE OWNER, TENANTS AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIAL SHALL BE MAINTAINED IN GOOD GROWING CONDITIONS, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
23. THE GRANT OF EASEMENT FOR INGRESS, EGRESS, AND MAINTENANCE FOR THE EXISTING USE-IN-COMMON DRIVEWAY IS RECORDED AT LIBER 3265, FOLIO 1.
24. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
25. SHC ELEVATION SHOWN IS LOCATED AT THE PROPERTY LINE.
26. USE-IN-COMMON DRIVEWAY EASEMENT RECORDED AT L.10957, F.597
27. BIO-RETENTION FACILITIES TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER
28. PREVIOUS FILE NUMBERS- F-80-63, F-01-106
29. LOT 4 HAS RIGHT TO LOCATE ITS SHC WITHIN THE 15' R/W FOR SHC INDICATED ON THE PLAN PER LETTER FROM BUREAU OF UTILITIES DATED JANUARY 31, 2006
30. A WAIVER TO SECTION 2.68, RESIDENTIAL DRIVEWAYS, TABLE 2.10 OF THE DESIGN MANUAL, VOLUME III WAS REQUESTED AND APPROVED 9-6-08 TO PROVIDE A REDUCED STANDARD FOR DRIVEWAY WIDTH AND DRIVEWAY EASEMENT TO SERVE LOTS 3&4.

| SCHEDULE A PERIMETER LANDSCAPE EDGE | | | | |
|---|----------------------|----------------------------------|----------------------------------|----------------------------------|
| Category | Adjacent to Roadways | Adjacent to Perimeter Properties | Adjacent to Perimeter Properties | Adjacent to Perimeter Properties |
| Perimeter/Frontage designation | - | A | 2 A | 3 A |
| Linear Feet of Roadway Frontage/Perimeter | - | 235.00 | 174.00 | 455.00 |
| Credit for Existing Vegetation (Yes, No, Linear Feet) | NO | NO | YES | NO |
| Credit for Wall, Fence or Berm (Yes, No, Linear Feet) | NO | NO | NO | NO |
| Number of Plants Required | 4 | 3 | 8 | 9 |
| Number of Plants Provided | 7 | 3 | 9 | 64* |
| Surety Amounts | \$1,200 | \$900 | \$1,800 | \$2,700 |

*INADEQUATE SPACE FOR ADDITIONAL 3 REQUIRED TREES, 80 SHRUBS PROVIDED.
NOTE: PERIMETER 5 REQUIRES 15' OF LANDSCAPE EDGE. **RELOCATE 6 TREES TO PERIMETERS 1&3.

| PLANT SCHEDULE | | | | |
|----------------|-------|--|--------------|--------------|
| KEY | QUAN. | PLANT NAME | SIZE | REMARK |
| AR | 19 | ACER RUBRUM "OCTOBER GLORY" OCTOBER GLORY RED MAPLE | 2 1/2-3" CAL | B&B HEAVY |
| AG | 30 | ABELIA GRANDIFLORA GLOSSY ABELIA | 12"-15" HT | CONT. |

| BIO-RETENTION PLANT SCHEDULE | | | | |
|------------------------------|----------|---|----------|----------|
| KEY | QUANTITY | PLANT NAME | SIZE | REMARK |
| LB | 2 | LINDERA BENZON SPICEBUSH | 2'-4" HT | B&B, |
| VD | 2 | VIBURNUM DENTATUM ARROWWOOD VIBURNUM | 2'-3" HT | B&B |
| LC | 10 | LOBELIA CARDINALIS | 1 GAL | 3'-0" OC |
| OS | 6 | ONOCLEA SENSIBILIS SENSITIVE FERN | 1 GAL | 3'-0" OC |

NO STOCKPILING WILL BE PERMITTED ON THE SITE

| SITE ANALYSIS DATA CHART | |
|----------------------------|---------------------|
| 1. TOTAL LOT AREA | 80,824 SF (1.86 AC) |
| 2. EXISTING ZONING | R-20 |
| 3. LIMIT OF DISTURBED AREA | 36,490 SF (0.84 AC) |
| 4. NO OF UNITS PROPOSED | 1 |
| 5. MAXIMUM BUILDING HEIGHT | 34' |
| 6. MINIMUM LOT SIZE | 20,000 SF |

| SOILS | | |
|-------|---|-------|
| KEY | NAME | CLASS |
| Ba | BAILE SILT LOAM, 0-3% SLOPES | D |
| GnB | GLENELG URBAN LAND COMPLEX, 0-8% SLOPES | C |
| GnB | GLENVILLE-BAILE SILT LOAMS, 0-8% SLOPES | B |
| MgC | MANOR LOAM, 8-15% SLOPES | B |

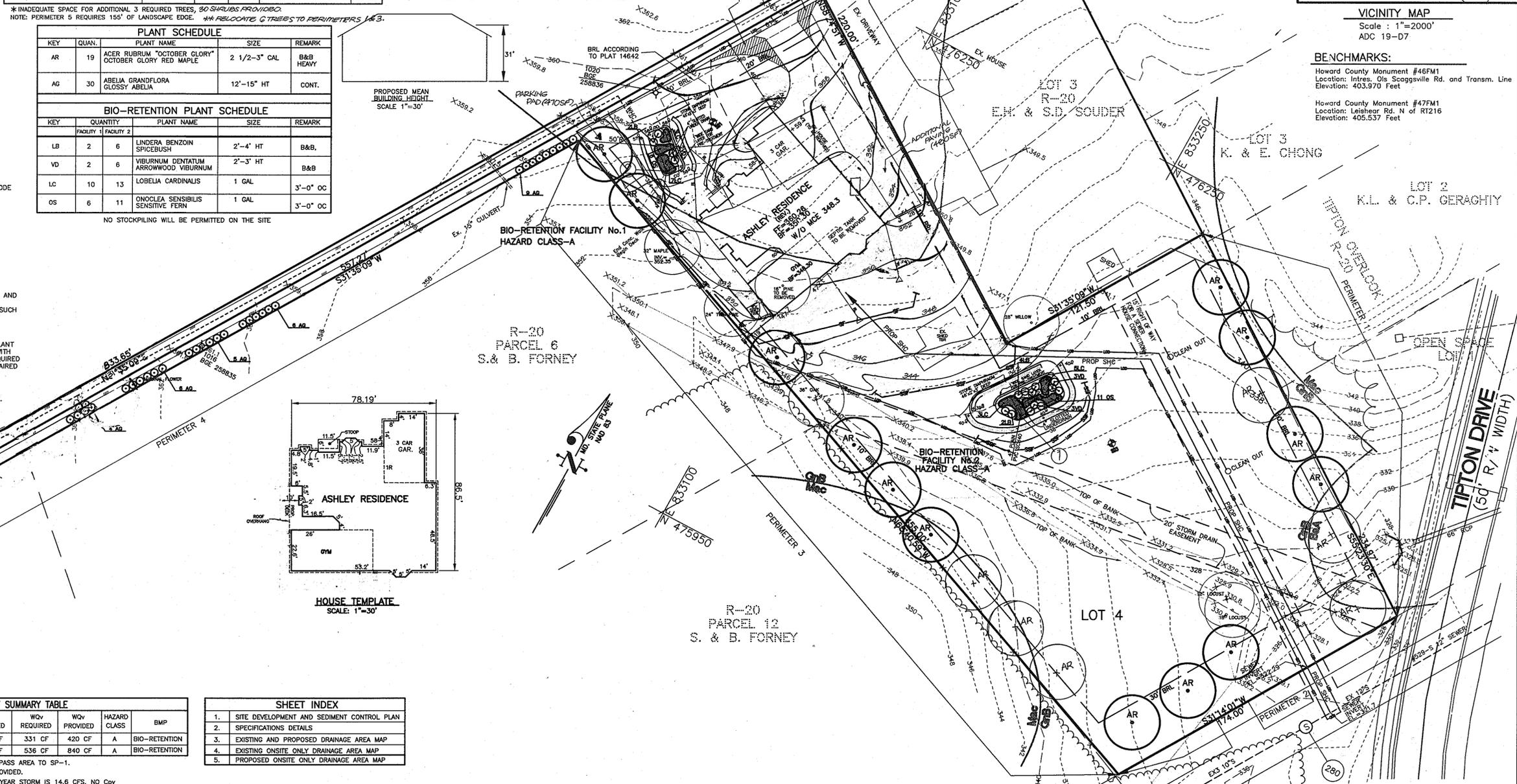
| ADDRESS CHART | |
|---------------|------------------------|
| LOT/PARCEL# | STREET ADDRESS |
| 4 | 10734 SCAGGSVILLE ROAD |

LEGEND

- 2 FT. SCALE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- SPOT ELEVATIONS
- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL MATTING
- SILT FENCE
- LIMIT OF DISTURBED AREA
- TREE PROTECTION FENCE
- EXISTING TREES TO REMAIN
- UTILITY POLE
- PROPOSED TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- SOIL BORING
- ROOF LEADER

VICINITY MAP
Scale: 1"=2000'
ADC 19-07

BENCHMARKS:
Howard County Monument #46FM1
Location: Inters. Ois Scaggsville Rd. and Transm. Line
Elevation: 403.970 Feet
Howard County Monument #47FM1
Location: Leishar Rd. N of RT216
Elevation: 405.537 Feet



| STORMWATER MANAGEMENT SUMMARY TABLE | | | | | | | |
|-------------------------------------|----------|--------|---------------|---------------|--------------|--------------|-----------------|
| FACILITY NO. | AREA NO. | D.A. | REV. REQUIRED | REV. PROVIDED | WQV REQUIRED | WQV PROVIDED | HAZARD CLASS |
| 1 | A | .19 AC | 86 CF | 88 CF | 331 CF | 420 CF | A BIO-RETENTION |
| 2 | B | .43 AC | 139 CF | 139 CF | 536 CF | 840 CF | A BIO-RETENTION |

- NOTE: 1. AREA C IS PART OF THE BYPASS AREA TO SP-1.
NO Rev, WQV OR Cpv IS PROVIDED.
2. FLOW TO SP-1 FOR THE 1 YEAR STORM IS 14.6 CFS. NO Cpv IS PROVIDED SINCE THIS AREA BYPASSES ANY SWM FACILITY TO AN UNDISTURBED STREAM WHICH FLOWS THROUGH AREA C TO AN EXISTING CULVERT IN TIPTON DRIVE.
3. THE ONSITE ONLY 1 YEAR STORM IS 1.48 CFS AND IS LESS THAN 2 CFS. THEREFORE Cpv IS NOT REQUIRED

| SHEET INDEX | |
|-------------|--|
| 1. | SITE DEVELOPMENT AND SEDIMENT CONTROL PLAN |
| 2. | SPECIFICATIONS DETAILS |
| 3. | EXISTING AND PROPOSED DRAINAGE AREA MAP |
| 4. | EXISTING ONSITE ONLY DRAINAGE AREA MAP |
| 5. | PROPOSED ONSITE ONLY DRAINAGE AREA MAP |

PROFESSIONAL CERTIFICATE

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. 7139, expiration date: 6-21-10.
G. Nelson Clark
G. NELSON CLARK
Date: 11-20-08



OWNER / DEVELOPER

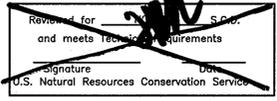
ANTHONY M. ASHLEY
8552 WILLOW WISP COURT
LAUREL, MARYLAND 20723

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
G. Nelson Clark
G. NELSON CLARK
Date: 11-20-08

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 or their authorized agents, as are deemed necessary."
Anthony M. Ashley
Anthony M. Ashley
Date: 11-25-08



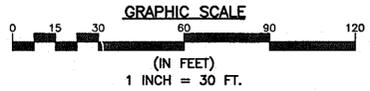
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. Roberts
John R. Roberts
Date: 12/2/08

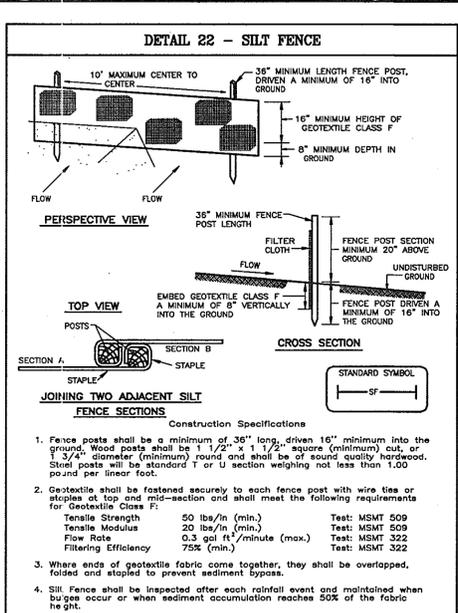
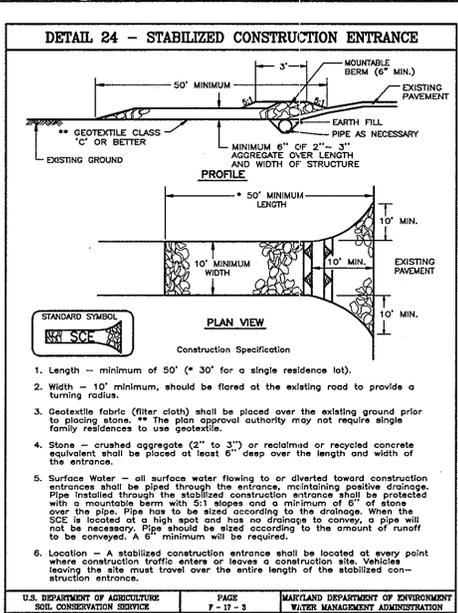
1. REVISE TO ACCURATELY REFLECT GRADING 12/20/08
2. CHANGES TO PREVIOUS SURFACES AND TREES
3. REVISION

Thomas J. Sackett
DIRECTOR, DEP.
DATE: 2/10/09

Chris Hama
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 2/10/09

Chris Hama
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 2/10/09





21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetable growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and care for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- Topsoil salvaged from the existing site may be used provided that it meets the standards 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 Experiment Station.
- 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 a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured 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" 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 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.

PERMANENT SEEDING NOTES

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

SEEDING PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

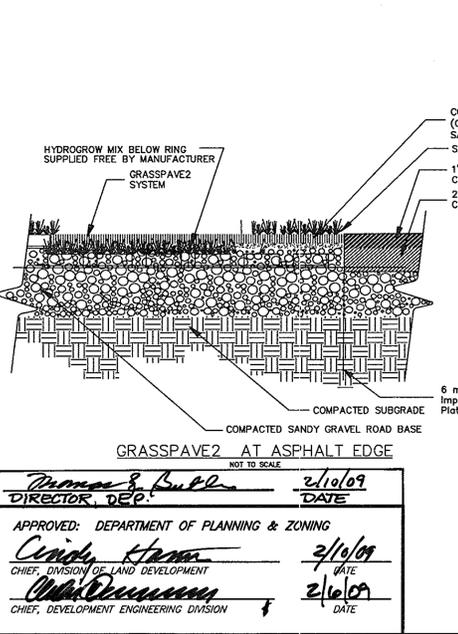
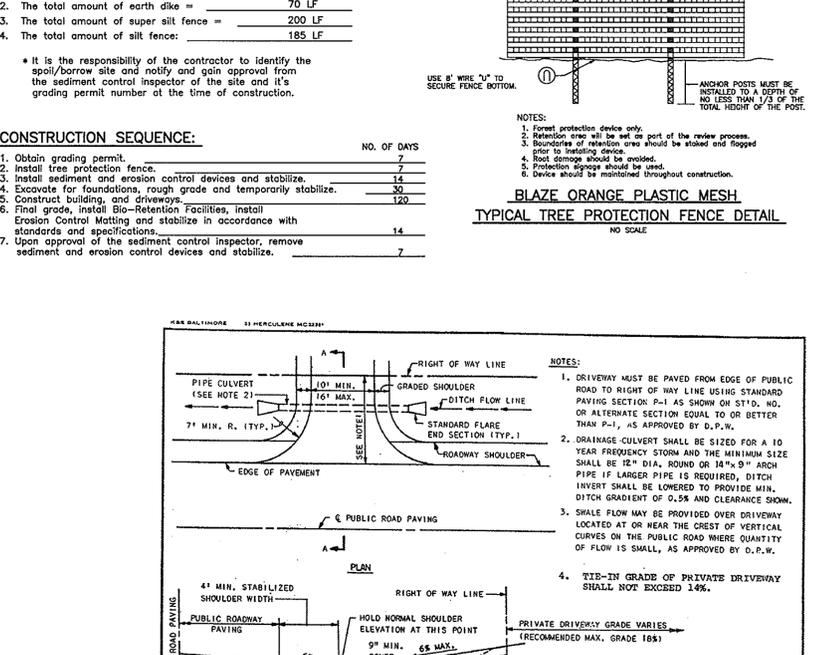
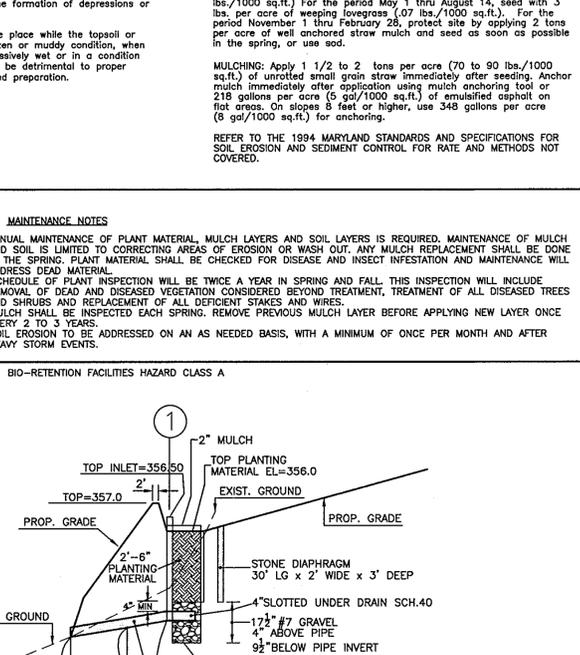
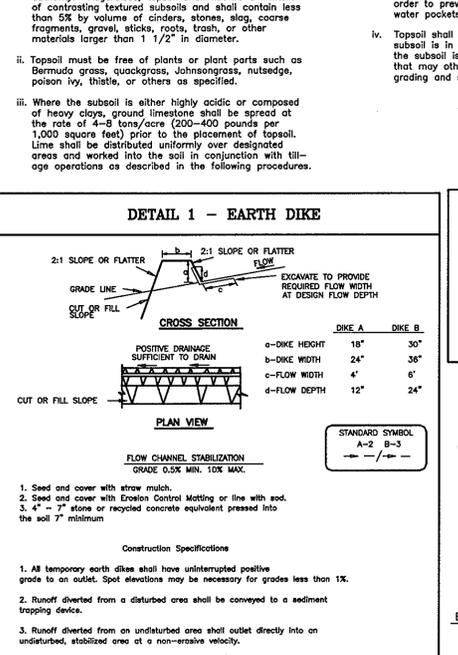
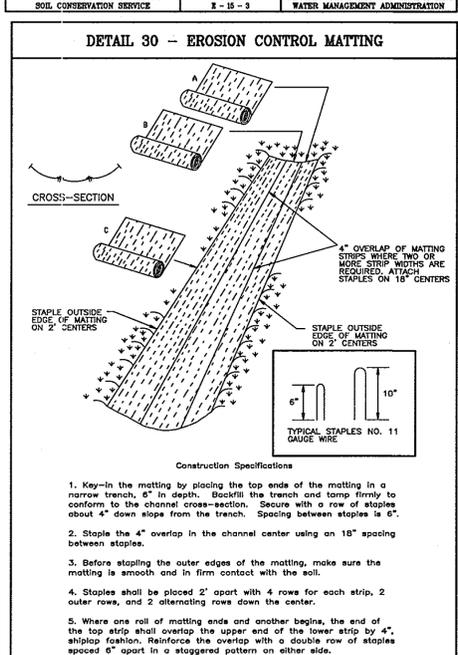
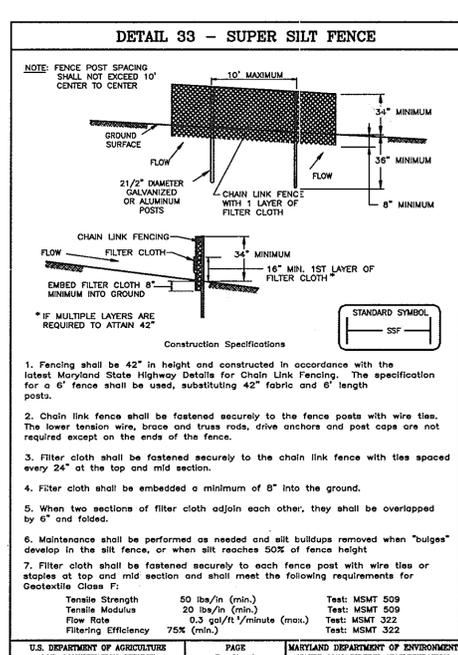
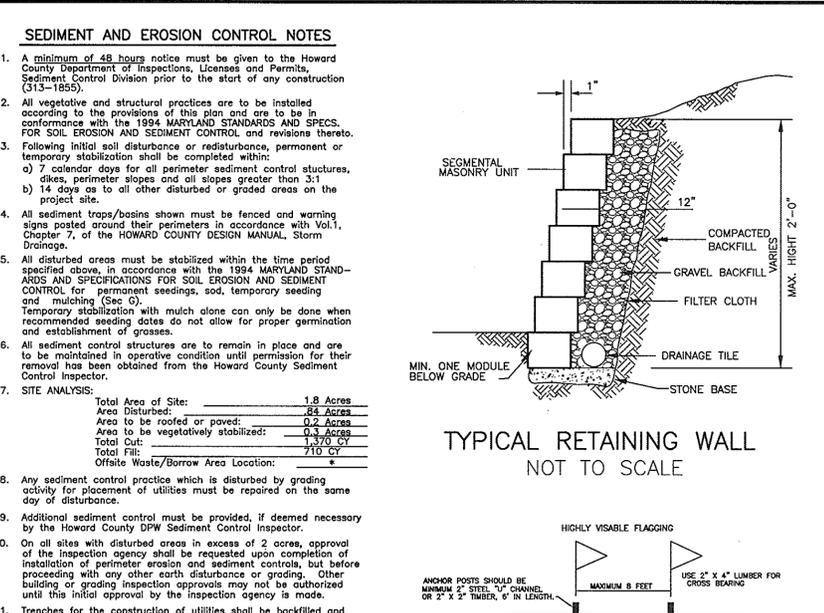
SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./100 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 the 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./100 sq.ft.) and apply 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 (1.4 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 well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. 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 unrattled 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.



DEVELOPER'S/BUILDER'S CERTIFICATE

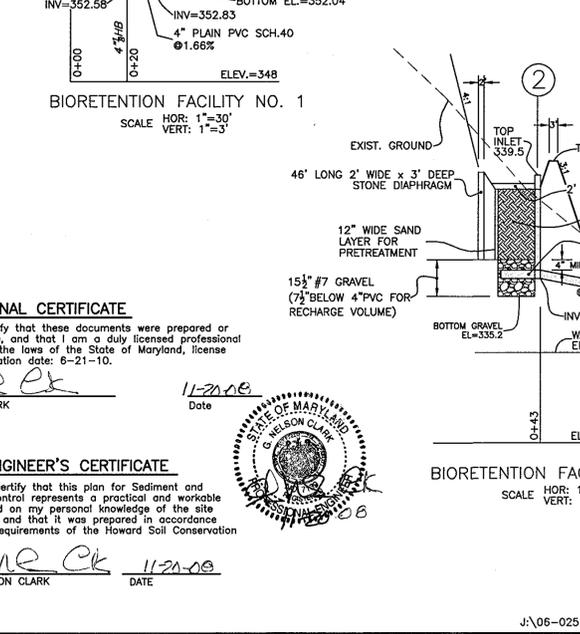
I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training 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 or their authorized agents, as are deemed necessary.

Signature: *[Signature]* Date: 12/1/09
Name: Edward S.C.D. Date: 11-25-08

ENGINEER'S CERTIFICATE

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. 7139, expiration date: 6-21-10.

Signature: *[Signature]* Date: 11-21-08
Name: G. NELSON CLARK Date: 11-21-08



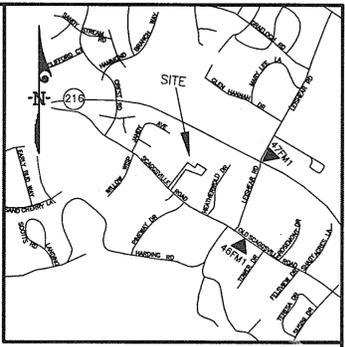
CLARK · FINEFROCK & SACKETT, INC.

ENGINEERS · PLANNERS · SURVEYORS

7135 MINSTREL WAY COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH. · (410) 381-7533 FAX

| DESIGNED | SCALE |
|----------|----------------------------------|
| DH | 1"=30' |
| DRAWN | DRAWING |
| DH | 2 of 5 |
| CHECKED | TAX MAP #46, GRID 12, PARCEL 338 |
| DR | 6TH ELECTION DISTRICT |
| DATE | FOR: ANTHONY M. ASHLEY |
| 11-20-08 | 8552 WILLOW WSP COURT |
| | LAUREL, MARYLAND 20723 |
| | FILE NO. |
| | 06-025 |

SPD-07-123



VICINITY MAP
Scale: 1"=2000'
ADC 19-D7

TC ASSUME .1hr
A=.16 AC
CN=72
S_B100%
.048X.1X98=4.7
.112X.1X61=6.83
 $\frac{11.53}{.16} = 72$

R-20
PARCEL 5
I. HINES & D. HURFORD TRUSTEES

R-20
PARCEL 6
S. & B. FORNEY

R-20
PARCEL 12
S. & B. FORNEY

R-20
PARCEL 223
R.&W. ROBERTS

A=.55 AC
CN=69
SOIL B'.03X98=2.94
SOIL C'.015X98=1.27
SOIL B'.27X61=16.47
SOIL C'.24X71=17.04
 $\frac{37.72}{.55} = 69$

TC=.1hr ASSUMED
A=1.15 AC
CN=71
S_C100%
MEADOW

| | | | | | |
|------------------|-----------|--------------|-------------|-------------------|--------------|
| SUBDIVISION NAME | | SECTION/AREA | | LOTS/PARCELS | |
| SOUDER PROPERTY | | N/A | | LOT 4, PARCEL 338 | |
| PLAT NO. | BLOCK NO. | ZONE | TAX MAP NO. | ELECTION DIST. | CENSUS TRACT |
| 14642 | 12 | R-20 | 46 | 6TH | 6068.02 |
| WATER CODE | | | SEWER CODE | | |
| 1-E-18 | | | 7550000 | | |

CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY COLUMBIA, MD 21045 · (410) 381-7500 BALT. · (301) 621-8100 WASH. · (410) 381-7533 FAX

| | | |
|------------------|---|--|
| DESIGNED DH | EXISTING ONSITE ONLY DRAINAGE AREA MAP | SCALE 1"=30' |
| DRAWN DH | | DRAWING 4 of 5 |
| CHECKED DR | SOUDER PROPERTY LOT 4 TAX MAP #46, GRID 12, PARCEL 338 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND | JOB NO. 06-02 |
| DATE 11-20-08 | | FOR: ANTHONY M. ASHLEY 8552 WILLOW WISP COURT LAUREL, MARYLAND 20723 |

PROFESSIONAL CERTIFICATE

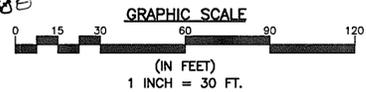
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, license no. 7139, expiration date: 6-21-10.

G. Nelson Clark
G. NELSON CLARK

11-20-08
Date



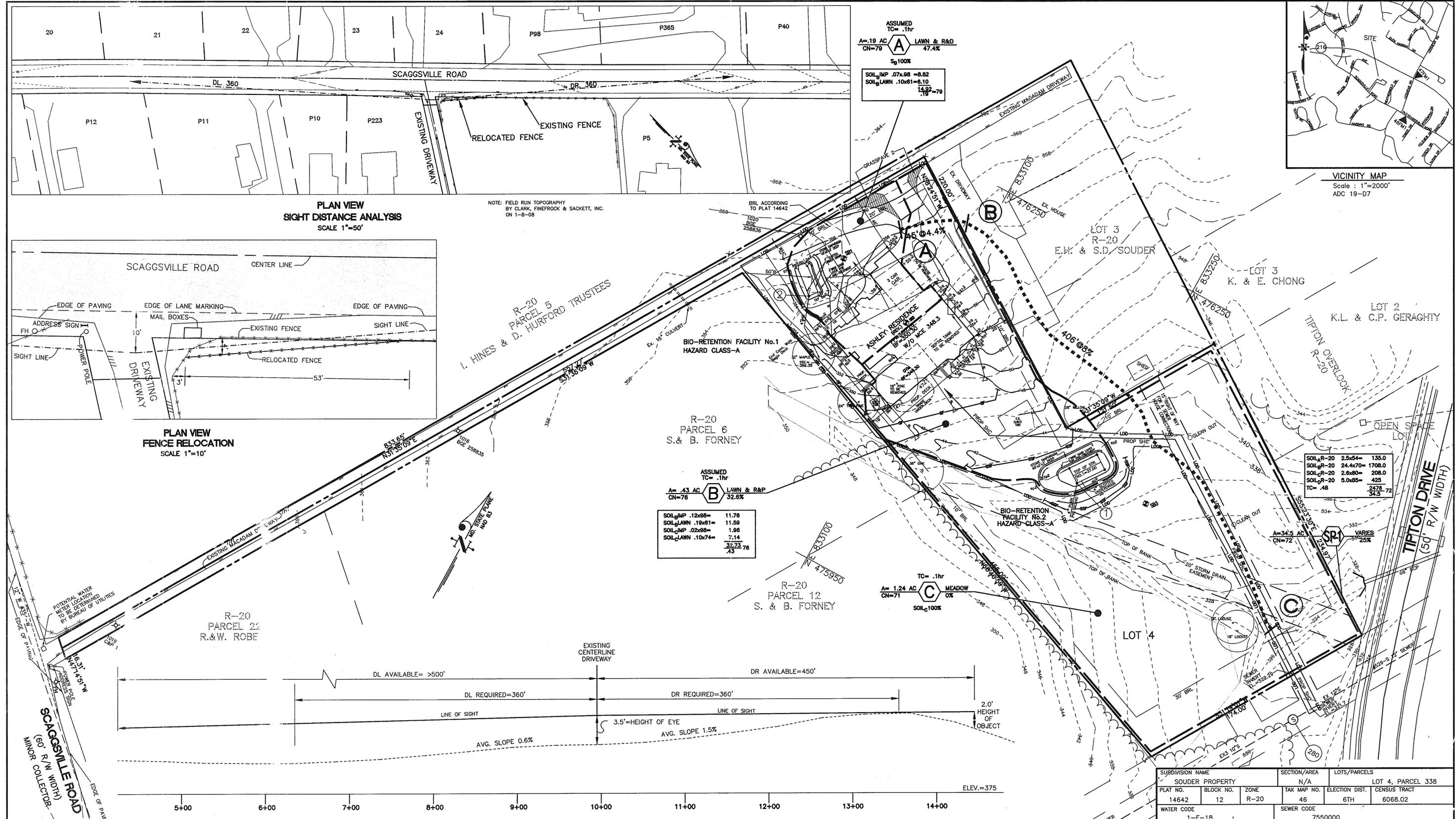
OWNER / DEVELOPER
ANTHONY M. ASHLEY
8552 WILLOW WISP COURT
LAUREL, MARYLAND 20723



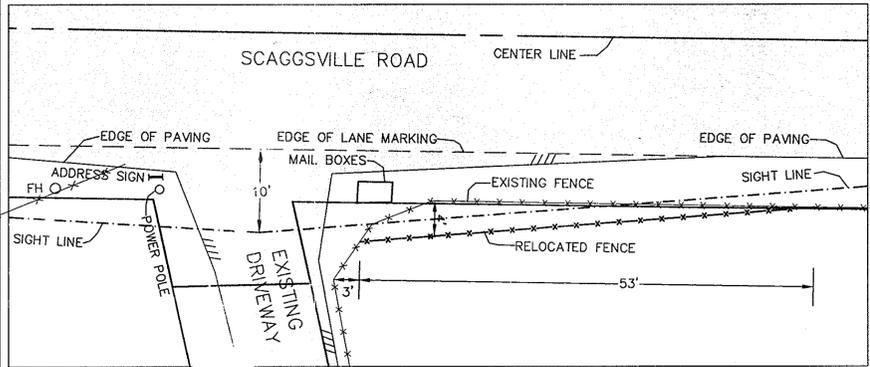
James P. Suttell
DIRECTOR, DEP.
2/16/09
DATE

APPROVED: DEPARTMENT OF PLANNING & ZONING
Cynthia Ham
CHIEF, DIVISION OF LAND DEVELOPMENT
2/16/09
DATE

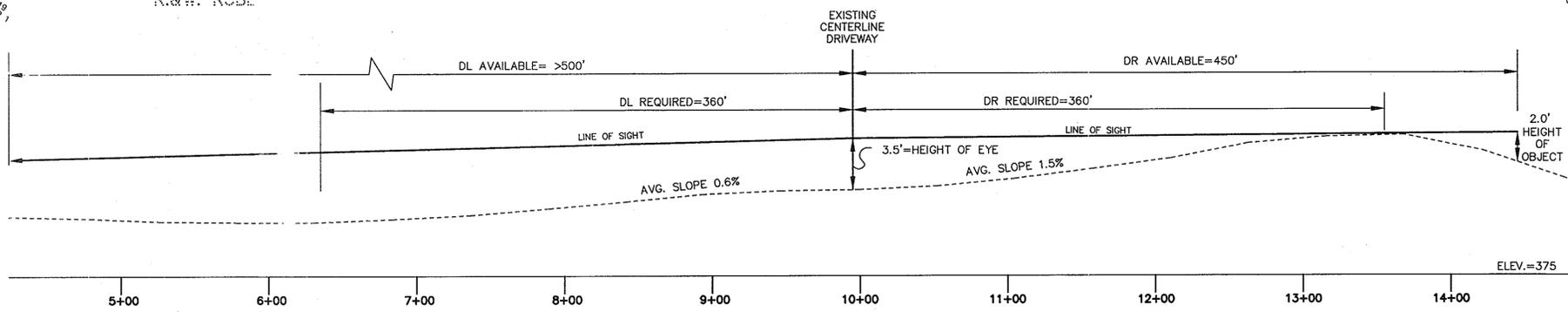
William Deane
CHIEF, DEVELOPMENT ENGINEERING DIVISION
2/16/09
DATE



**PLAN VIEW
SIGHT DISTANCE ANALYSIS**
SCALE 1"=50'



**PLAN VIEW
FENCE RELOCATION**
SCALE 1"=10'



NOTE
SCAGGSVILLE ROAD IS A MINOR COLLECTOR ROADWAY (OPEN SECTION) WITH A POSTED SPEED LIMIT OF 35 MPH. A SPOT SPEED STUDY DETERMINED THE 85TH PERCENTILE SPEED OF 43.7 MPH FOR THIS ROADWAY. BASED ON TABLE 3.01, STOPPING SIGHT DISTANCE OF THE HOWARD COUNTY DESIGN MANUAL, VOLUME III, AND UTILIZING A DESIGN SPEED OF 45 MPH AND LEVEL ROADWAY, A DL (LEFT TURN) AND DR (RIGHT TURN) OF 360' IS REQUIRED. A DL OF GREATER THAN 500' IS AVAILABLE. BASED ON THIS ANALYSIS AND A DR OF 475' IS AVAILABLE. BASED ON THIS ANALYSIS ADEQUATE SIGHT DISTANCE IS AVAILABLE.

**SCAGGSVILLE ROAD
SIGHT DISTANCE ANALYSIS
PROFILE**
SCALE: HOR. 1"=50'
VER. 1"=5'

ASSUMED TC=.1hr

| | |
|------------------------------------|------------|
| A=.19 AC | LAWN & R&D |
| CN=79 | 47.4% |
| Sg 100% | |
| SOIL _{IMP} .07x98 = 8.82 | |
| SOIL _{LAWN} .10x81 = 8.10 | |
| 14.92 = 79 | |
| .18 | |

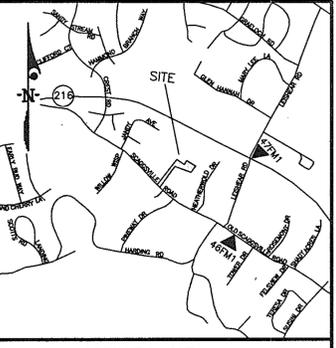
ASSUMED TC=.1hr

| | |
|-------------------------------------|------------|
| A=.43 AC | LAWN & R&P |
| CN=76 | 32.6% |
| SOIL _{IMP} .12x98 = 11.78 | |
| SOIL _{LAWN} .19x61 = 11.59 | |
| SOIL _{IMP} .02x98 = 1.98 | |
| SOIL _{LAWN} .10x74 = 7.14 | |
| 31.73 = 78 | |
| .45 | |

TC=.1hr

| | |
|------------------------|--------|
| A=1.24 AC | MEADOW |
| CN=71 | 0% |
| SOIL _C 100% | |

| |
|---------------------------------------|
| SOIL _{R-20} 2.5x54 = 135.0 |
| SOIL _{R-20} 24.4x70 = 1708.0 |
| SOIL _{R-20} 2.6x80 = 208.0 |
| SOIL _{R-20} 5.0x85 = 425 |
| TC=.48 |
| 2478 = 72 |
| 34.5 |



VICINITY MAP
Scale: 1"=2000'
ADC 19-D7

Morgan & S. [Signature] 2/10/09
DIRECTOR, DEP. DATE

APPROVED: DEPARTMENT OF PLANNING & ZONING
Candy [Signature] 2/10/09
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

John [Signature] 2/10/09
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

PROFESSIONAL CERTIFICATE
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. 7139, expiration date: 8-21-10.

[Signature] 1/20/09
G. NELSON CLARK Date



OWNER / DEVELOPER
ANTHONY M. ASHLEY
8552 WILLOW WISP COURT
LAUREL, MARYLAND 20723

| | | | |
|------------------|-----------|--------------|-------------------|
| SUBDIVISION NAME | | SECTION/AREA | LOTS/PARCELS |
| SOUDER PROPERTY | | N/A | LOT 4, PARCEL 338 |
| PLAT NO. | BLOCK NO. | ZONE | TAX MAP NO. |
| 14642 | 12 | R-20 | 46 |
| ELECTION DIST. | | CENSUS TRACT | |
| 6TH | | 6068.02 | |
| WATER CODE | | SEWER CODE | |
| 1-E-18 | | 7550000 | |

CLARK · FINEFROCK & SACKETT, INC.
ENGINEERS · PLANNERS · SURVEYORS
7135 MINSTREL WAY COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH. • (410) 381-7533 FAX

| | | |
|----------|--|----------|
| DESIGNED | PROPOSED ONSITE ONLY DRAINAGE AREA MAP | SCALE |
| DH | | 1"=30' |
| DRAWN | SOUDER PROPERTY | DRAWING |
| DH | LOT 4 | 5 of 5 |
| CHECKED | TAX MAP #46, GRID 1C, PARCEL 338 | JOB NO. |
| DR | 6TH ELECTION DISTRICT | 06-025 |
| DATE | FOR: ANTHONY M. ASHLEY | FILE NO. |
| 11-20-08 | 8552 WILLOW WISP COURT | 06-025 |
| | LAUREL, MARYLAND 20723 | |