

GENERAL NOTES

- Subject property zoned "R-20" per 2/02/04 Comprehensive Zoning Plan and the "Comp Lite" zoning amendments effective 7/28/06.
- Gross area of property = 0.75 ac.±
- Property is within the Metropolitan District.
- Public water and sewer will be used within this site.
- The Contractor shall notify the following utility companies or agencies at least five (5) working days before starting work shown on these plans:
 - State Highway Administration 410.531.5533
 - BGE(Contractor Services) 410.850.4620
 - BGE(Underground Damage Control) 410.787.9068
 - Miss Utility 1.800.257.7777
 - Colonial Pipeline Company 410.746.1990
 - Howard County, Dept. of Public Works, Bureau of Utilities 410.313.4900
 - Howard County Health Department 410.313.2640
 - AT&T 1.800.252.1133
 - Verizon 1.800.743.0033/410.224.9210
- The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- The contractor shall notify the Department of Public Works/Bureau of Engineering Construction Inspection Division at (410) 313-1880 at least five (5) working days prior the start of work.
- The project is in conformance with the latest Howard County Standards unless waivers have been approved.
- Field Run Boundary Survey prepared by FSH Associates in January, 2006. Topography is based on a field run survey prepared by FSH Associates in January, 2006. Offsets, 5 foot topography based on Howard County 1983 Aerial Photo.
- There are no floodplains, wetlands, steep slopes, historic structures or cemeteries on-site.
- Previous Howard County file numbers: Contr.#24-1994-D.
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 161A and 161B were used for this project.
- No clearing, grading or construction is permitted within wetlands, streams or their required buffers.
- This plan has been prepared in accordance of Section 16.124 of Howard County Code and Landscape Manual. Financial Surety for the required landscaping shall be posted as part of the Grading Permit in the amount of \$3,600.00 (12 shade trees @ \$300.00 each).
- This project is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation because it is a single lot smaller than 40,000 square feet per Section 16.1202(b) of the County Code.
- All construction shall be in accordance with the latest standards and specifications of Howard County in addition to MSHA standards and specifications if applicable.
- Any damage to public right-of-ways, paving or existing utilities will be corrected at the contractor's expense.
- Existing utilities are located by the use of any or all of the following: Road Construction Plans, Field Surveys, Public Water and Sewer Plans and other available record drawings. Approximate location of the existing utilities are shown for the contractor's information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense.
- All HDPE pipe specification and installation shall meet AASHTO M-252 Type S, M-294 Type S and ASTM D2921, respectively.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Driveway paving to be Howard County standard P-1 paving section (see detail, this sheet) at a minimum. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test, prior to construction.
- All traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- Estimates of Earthwork quantities are provided solely for the purpose of calculating fees.
- The Maryland Stormwater Design Manual states a project shall be exempt from stormwater management obligations if it has less than 5,000 square feet of land cover change. This plan proposes 2,407 square feet of land cover change and therefore is exempt from providing stormwater management.
- Any future development of this site that would propose more than 2,593 square feet of disturbance and put the site over the 5,000 square foot limit will require stormwater management for the entire parcel, including this dwelling.
- In accordance with Section 129 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.
- Driveway(s) shall be provided prior to issuance of a use and occupancy permit for any new dwellings to ensure safe access for fire and emergency vehicles per the following requirements:
 - Width - 12 feet (16 feet serving more than one residence);
 - Surface - six (6") inches of compacted crusher run base with tar and chip coating (1-1/2" minimum);
 - Geometry - Maximum 14% grade, Maximum 10% grade change and 45-foot turning radius;
 - Structures (culverts/bridges) - capable of supporting 25 gross tons (H25-loading);
 - Drainage elements - capable of safely passing 100 year flood with no more than 1 foot depth over driveway surface;
 - Maintenance - sufficient to ensure all weather use
- Driveway entrance to be per Howard County Standard Detail R-6.06.
- Existing well located inside the existing house is to be removed, well to be properly abandoned according to Health Department regulations prior to demolition of house. Location shown is approximate.
- Refuse collection, snow removal, road maintenance and mail collection are provided to the junction of Cemetery Lane and the Baltimore National Pike right-of-way line. Approximate locations have been shown on the plan.
- A waiver of gravity sewer service for this parcel was approved on December 22, 2006. Sewer service to be provided by private on-site pump and private low-pressure sewer.
- Use-in-Common Maintenance Agreement for Cemetery Lane is recorded in the Land Records of Howard County, Maryland in Liber 10662 Folio 494.

SITE ANALYSIS DATA CHART

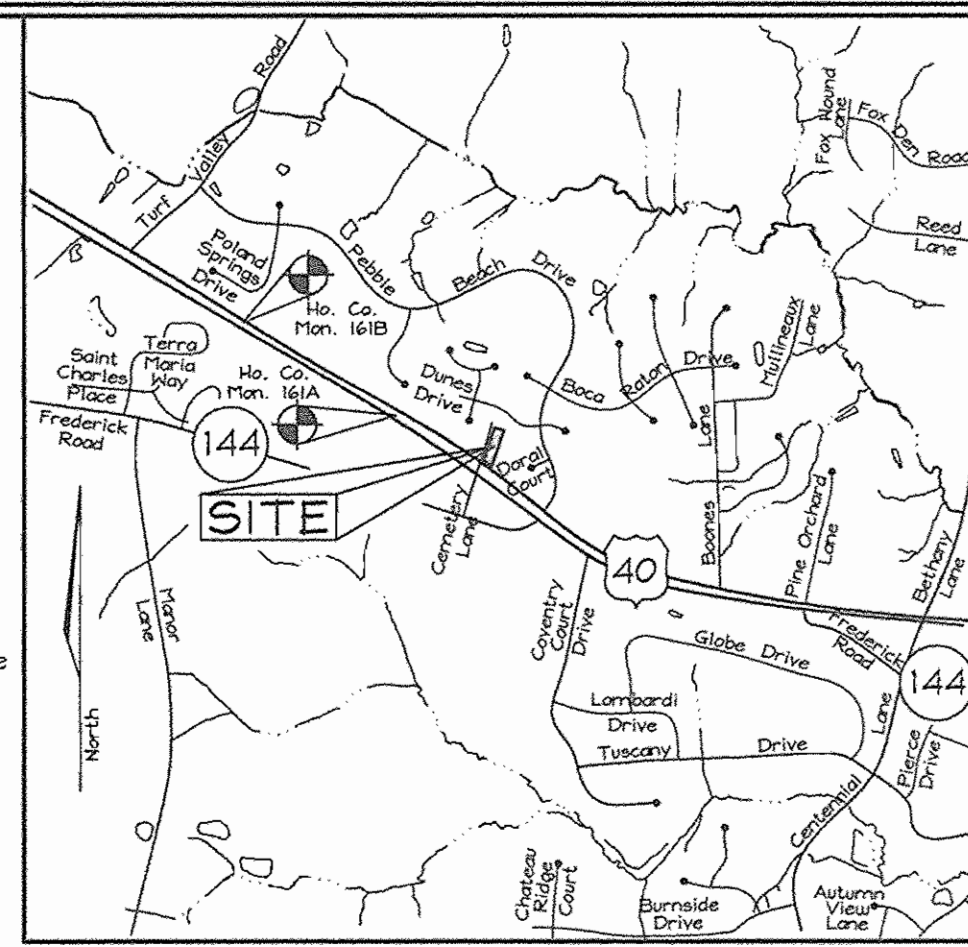
- Total Project Area: 0.75 Acres ± or 32,750 sqft
- Area of plan submission: 0.75 Acres±
- Limit of Disturbed Area: 0.54 Acres±
- Subject property zoned "R-20" per 2/02/04 Comprehensive Zoning Plan and the "Comp Lite" zoning amendments effective 7/28/06.
- Proposed uses for site and structures: Single Family Detached Dwelling
- Floor space on each level of building: 1,786sf± each floor
- Total number of units proposed on submission: 1
- Building coverage on site: 0.04 Acres± and 5% of gross area
- Applicable DPZ file references: Contr.#24-1994-D.

ADDRESS CHART

PARCEL	ADDRESS
117	10496 Baltimore National Pike

LEGEND

- Existing Contour
- Proposed Contour
- Existing Spot Elevation
- Proposed Spot Elevation
- Direction of Flow
- Existing Trees to Remain
- Proposed Landscape Trees
- Existing Utility Poles
- Guy Wire
- Utility Pole



VICINITY MAP
SCALE: 1"=2000'

BENCHMARKS

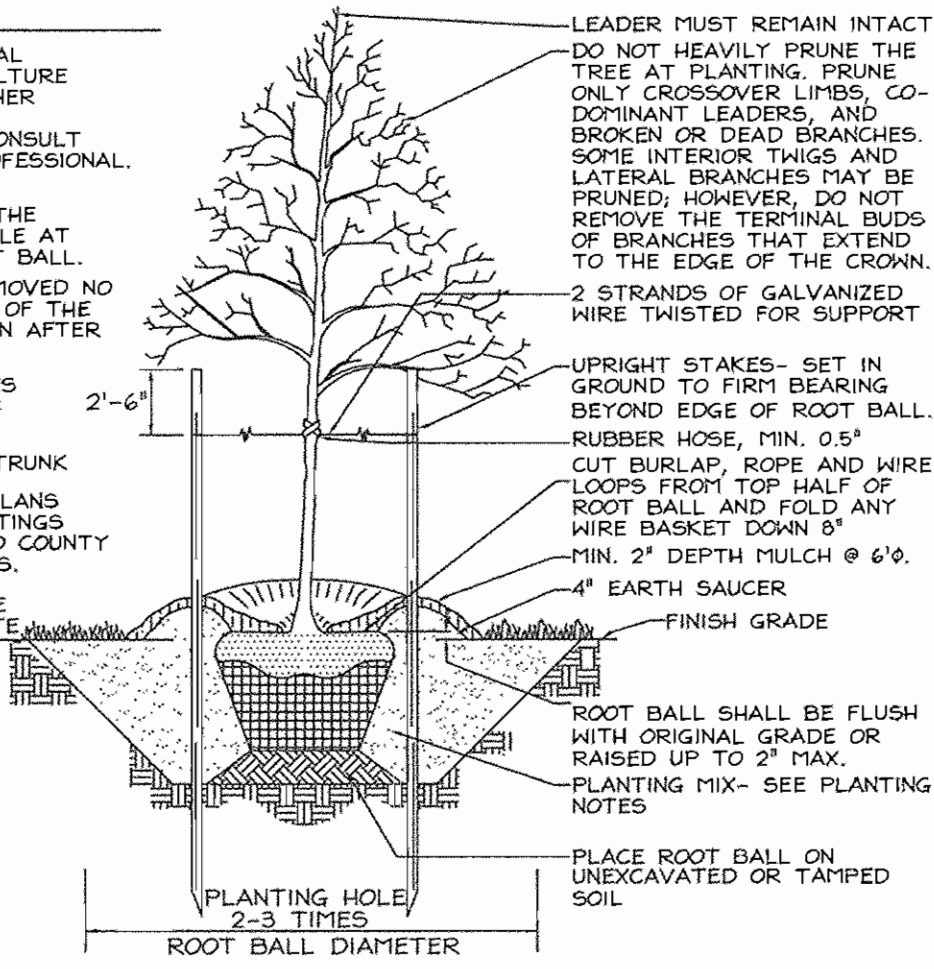
Sta. 161A	N 179,682.8142 E 410,366.3598	El.: 141.149 (meters)
Monument located in the median of Baltimore National Pike, US Route 40, 144' north of end of gaurdrail, 11' southeasterly of west bound lane paving edge		
Sta. 161B	N 179,977.216 E 409,881.8197	El.: 143.252 (meters)
Monument located in the median of Baltimore National Pike, US Route 40, 80.3' north of end of gaurdrail, 11.5' southeasterly of west bound lane paving edge, 20.8' westerly from pk nail set in shoulder		

SHEET INDEX

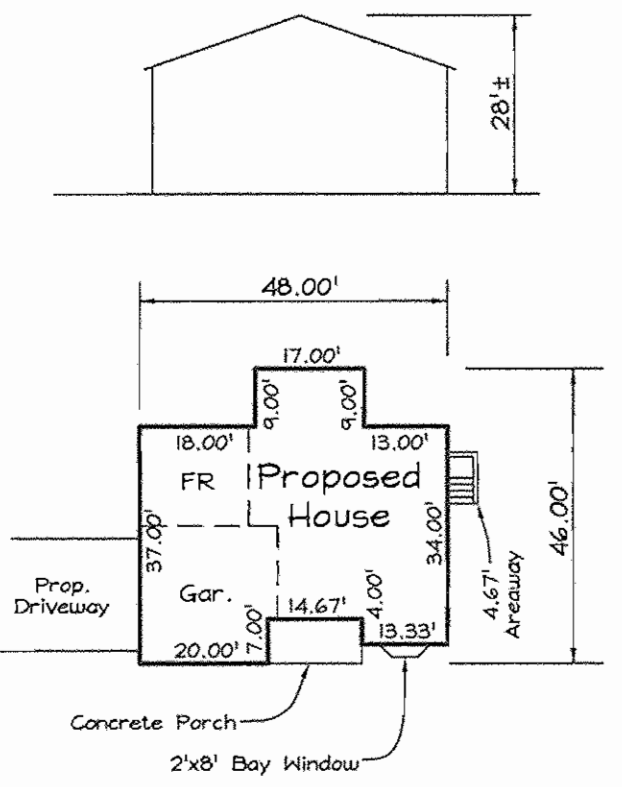
DESCRIPTION	SHEET No.
Site Development, Landscape Plan and Details	1 of 2
Sediment and Erosion Control Plan and Details	2 of 2

NOTES

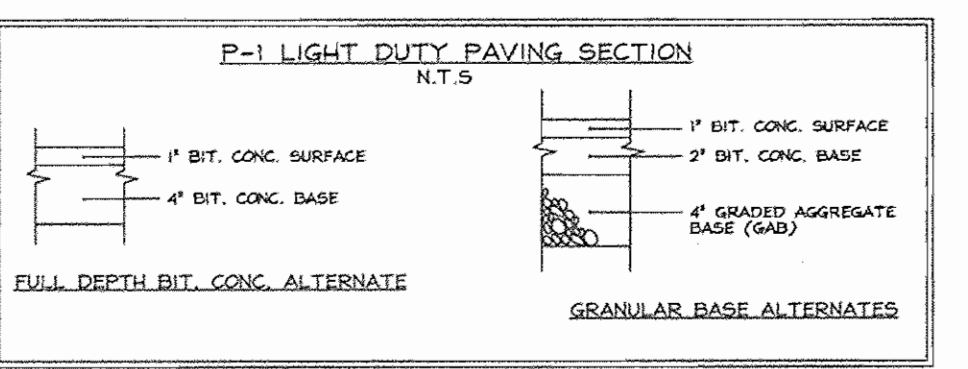
- CONSULT INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR FURTHER DETAILS OF PLANTING SPECIFICATIONS, OR CONSULT WITH A QUALIFIED PROFESSIONAL.
- EACH TREE SHALL BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL.
- STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNK
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.



TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE



HOUSE TEMPLATE
Scale: 1"=30'



Note:
Paving sections shown relates to a CBR value of 7. Actual CBR test results may cause modification of these paving sections.

DEVELOPER'S BUILDER'S CERTIFICATE

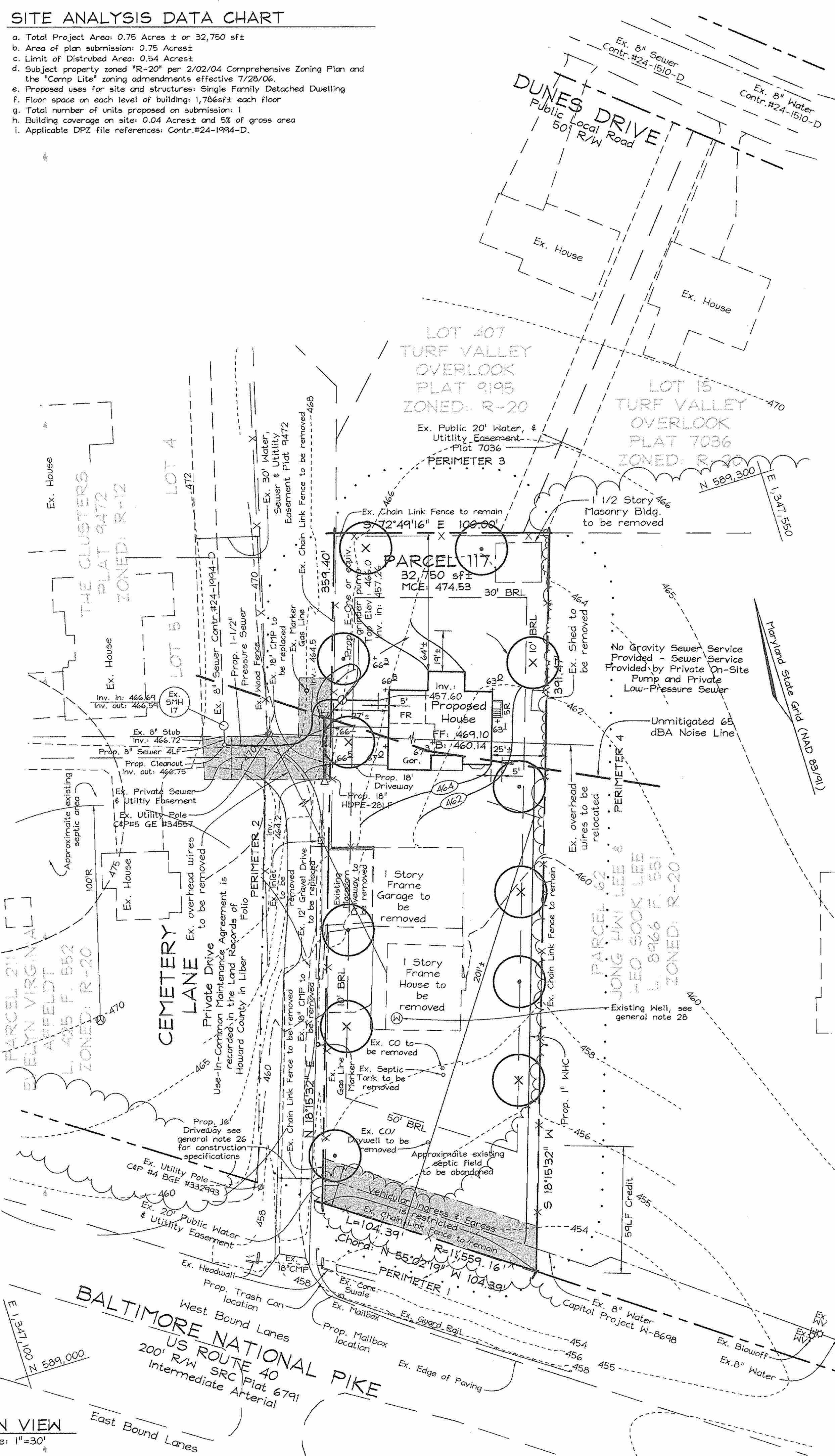
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Signature of Developer: *Jason Bonagura* DATE: 6-15-07

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 7/18/07
 CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 7/26/07
 DIRECTOR: *[Signature]* DATE: 7/21/07

PLAN VIEW

Scale: 1"=30'



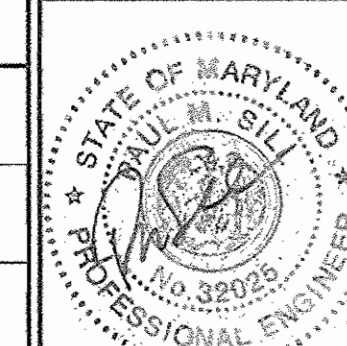
OWNER/DEVELOPER

Jason Bonagura
9017 Red Branch Road, Suite 201
Columbia, Maryland 21045
443.865.5336

PERMIT INFORMATION CHART

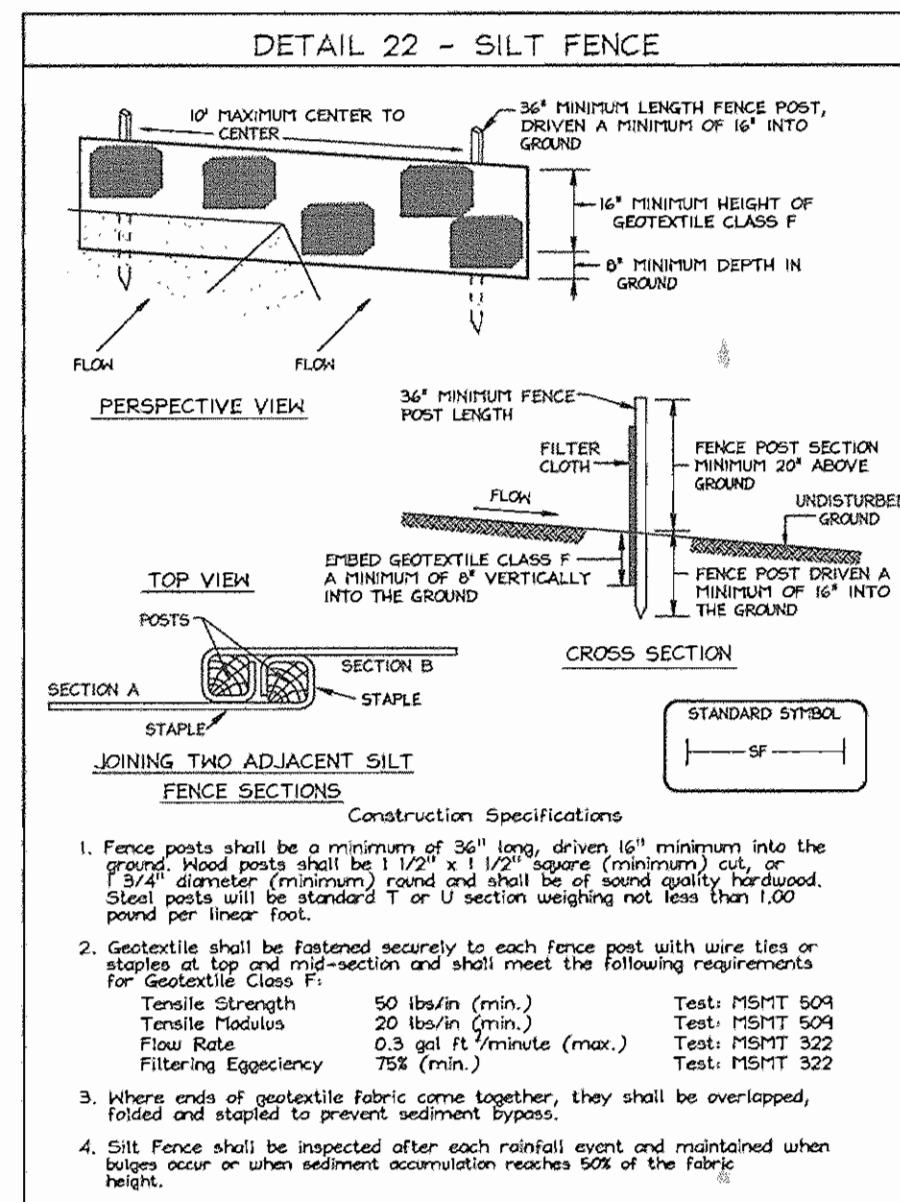
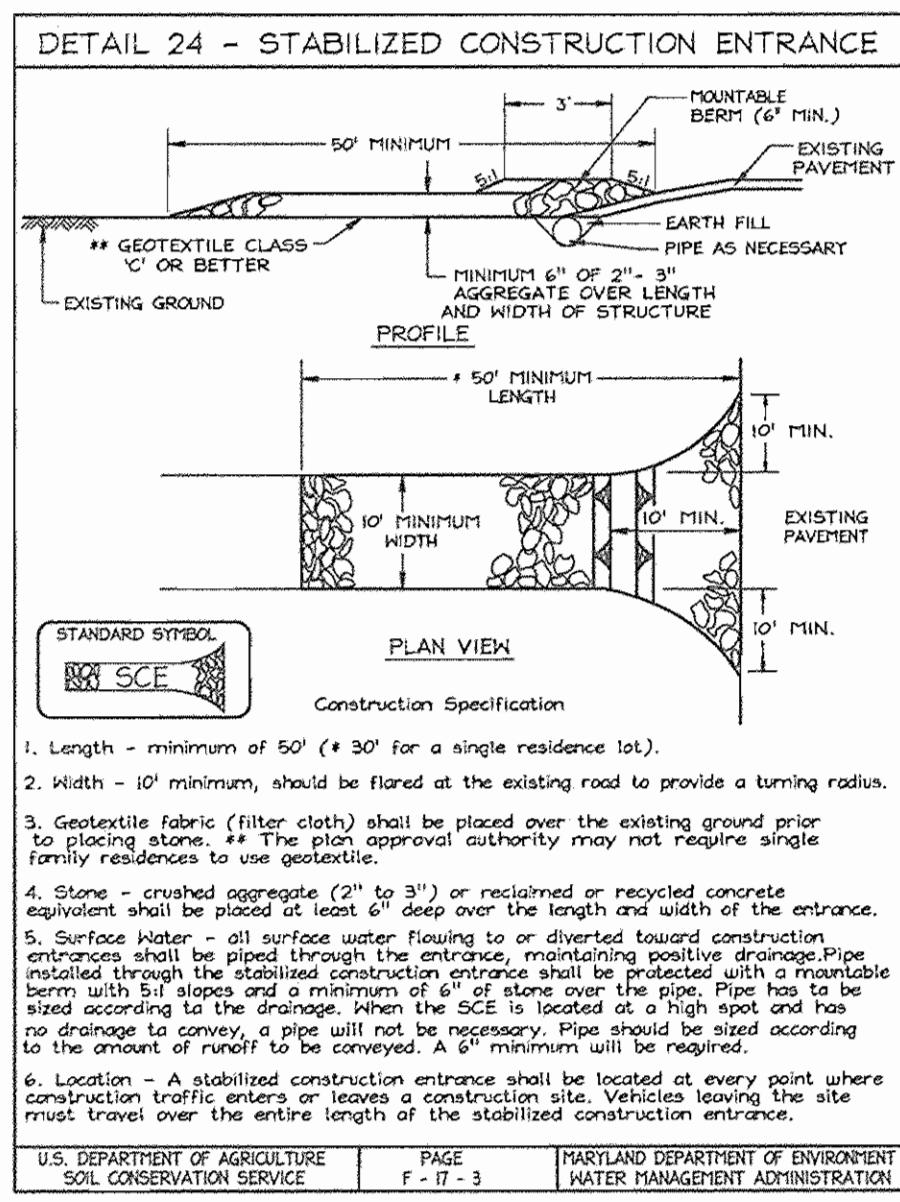
Subdivision Name:	Section/Area	Lot/Parcel No.
N/A	N/A	Parcel 117
Deed reference	Grid	Zoning
L.9756 F.580	24	R-20
Water Code	Elect. District	Census Tract
H 07	2ND	6022.00
Sewer Code	5992000	

SITE DEVELOPMENT, LANDSCAPE PLAN AND DETAILS
BONAGURA RESIDENCE
 SINGLE FAMILY DETACHED DWELLING
 TAX MAP 16 GRID 24
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PARCEL 117



Sill Adcock & Associates · LLC
 Engineers · Surveyors · Planners
 3300 North Ridge Road, Suite 160
 Ellicott City, Maryland 21043
 Phone: 443.325.7682 Fax: 443.325.7685
 Email: info@silladcock.com

Design By: PS
 Drawn By: PS
 Checked By: PS
 Scale: As Shown
 Date: June 15, 2007
 Job Number: 06-002
 Sheet #: 1 of 2



SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
CHA	Chester silt loam, 0 to 3 percent slopes	B
CHB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
CHC2	Chester silt loam, 8 to 15 percent slopes, moderately eroded	B
Eka	Eliok silt loam, 0 to 3 percent slopes	B
GIB2	Glennville loam, 3 to 8 percent slopes, moderately eroded	B
GNB2	Glennville silt loam, 3 to 8 percent slopes, moderately eroded	C

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
I. This practice is limited to areas having 2:1 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. 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.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

I. Topsoil salvaged from the existing site may be used provided that it meets the 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:
i. 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 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 and 1/2" in diameter.
ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutgrass, 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:
i. Place topsoil (if required) and apply soil amendments as specified in 22.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
ii. 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 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 6.5 or higher.
b. Organic content of topsoil shall be not less than 1.5 percent by weight.
c. Topsoil having soluble salt content greater than 500 parts per million shall not be used.
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 phytotoxic materials.

NOTE: 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 natural topsoil.

IV. Place topsoil (if required) and apply soil amendments as specified in 22.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

V. Topsoil Application
i. 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 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 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.

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, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 s.f.) and 900 lbs. / acre (20.7 lbs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply a mixture of Turf Type Tall Fescue (80%) and Hard Fescue (20%) in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below and apply permanent seeding within proper seeding dates.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used). Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Acrylic DLR (Agror-Tack), DCA-70, Petrosert and other approved equals may be used at rates recommended by the manufacturers.

Permanent Seeding Summary

No.	Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)			Lime Rate
					N	P2O5	K2O	
10	Tall Fescue (80%) Hard Fescue (20%)	120 30	3/1-5/15 8/15-11/15	0.5 in.	90lb/acre (2.0lb/1000sf)	175lb/acre (4lb/1000sf)	175lb/acre (4lb/1000sf)	2tons/acre (100lb/1000sf)

TEMPORARY SEEDING NOTES

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 the following schedule: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 s.f.) and 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Fxtail Millet in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used). Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Acrylic DLR (Agror-Tack), DCA-70, Petrosert and other approved equals may be used at rates recommended by the manufacturers.

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

Temporary Seeding Summary

No.	Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-10-10)		Lime Rate
					N	P2O5	
2	Barley or Rye plus Fxtail Millet	150 lbs (3.5lbs/1000sqft)	2/1-11/30 (7a) 3/15-10/31 (6a)	1/4 in 1/2 in	600 lb/acre (15lb/1000sf)	2 tons/acre (100lb/1000sf)	

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS 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."

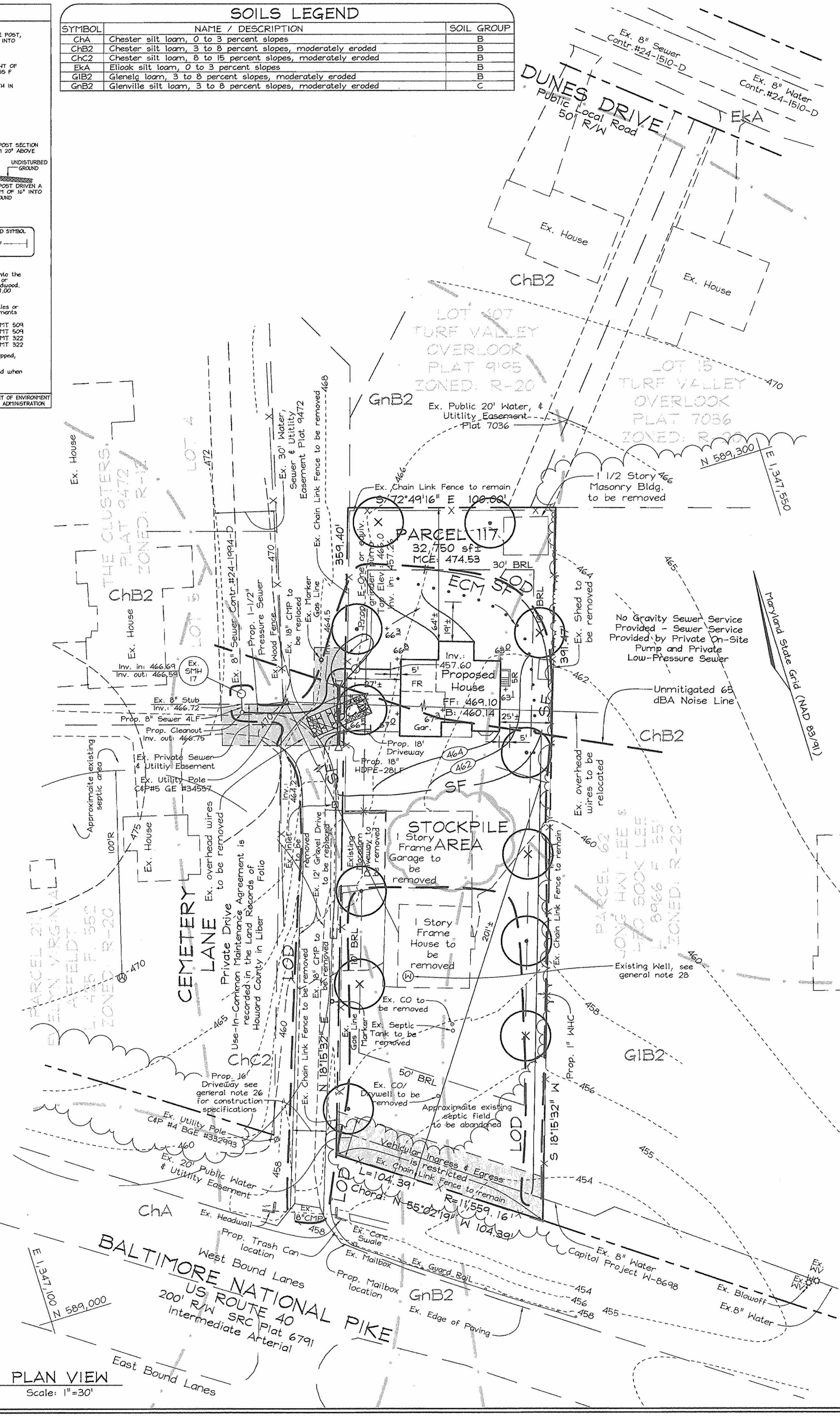
SIGNATURE OF DEVELOPER: *John Bonagura* DATE: 6-15-07

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS: *Jim Maynes* DATE: 6/26/07

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT: *John L. Platon* DATE: 6/26/07

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING: *[Signature]* DATE: 7/10/07

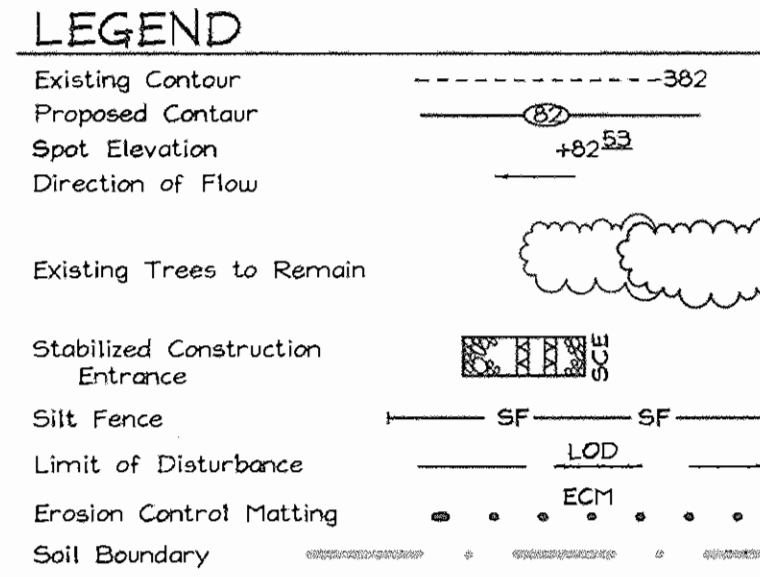
CHIEF DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 7/26/07
CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 7/26/07
DIRECTOR: *[Signature]* DATE: 7/26/07



SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (410-313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or redistribution, 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.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, 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 seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall 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	0.75 Acres
Area Disturbed	0.60 Acres
Area to be roofed or paved	0.15 Acres
Area to be vegetatively stabilized	0.45 Acres
Total Cut	2 1/2 CY
Total Fill	446 CY
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.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of 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.
- Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit.



SEQUENCE OF CONSTRUCTION

- Obtain grading permit.
 - Notify Howard County Department of Inspections, License and Permits at (410) 313-1860 at least 24 hours before starting any work.
 - Install Stabilized Construction Entrance and Silt Fence. (1 week)
 - Rough grade site and begin house construction. (1 week)
 - Finish building construction and pave driveway. (3 months)
 - Fine grade site and install Erosion Control Matting. (2 weeks)
 - Upon stabilization of all disturbed areas and with the permission of the Sediment Control Inspector, remove all sediment control measures and stabilize any remaining disturbed area. (1 week)
- NOTE: Following initial soil disturbance or any redistributions, permanent or temporary stabilization shall be completed within:
a. 7 calendar days for all perimeter sediment control structures, dikes, swales and all slopes greater than 3:1.
b. 14 calendar days for all other disturbed areas.
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.

OWNER/DEVELOPER

Jason Bonagura
9017 Red Branch Road, Suite 201
Columbia, Maryland 21045
443.865.5336

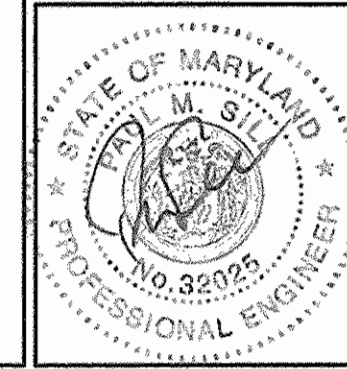
SEDIMENT AND EROSION CONTROL PLAN AND DETAILS

BONAGURA RESIDENCE
SINGLE FAMILY DETACHED DWELLING
TAX MAP 16 GRID 24
2ND ELECTION DISTRICT
PARCEL 117
HOWARD COUNTY, MARYLAND

ENGINEERS CERTIFICATE

"I 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."

SIGNATURE OF ENGINEER: *Paul M. Sill, P.E.* DATE: 6-15-07



Sill · Adcock & Associates · LLC
Engineers · Surveyors · Planners
3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@silland.com

Design By: PS
Drawn By: PS
Checked By: PS
Scale: As Shown
Date: June 15, 2007
Job Number: 06-002
Sheet #: 2 of 2