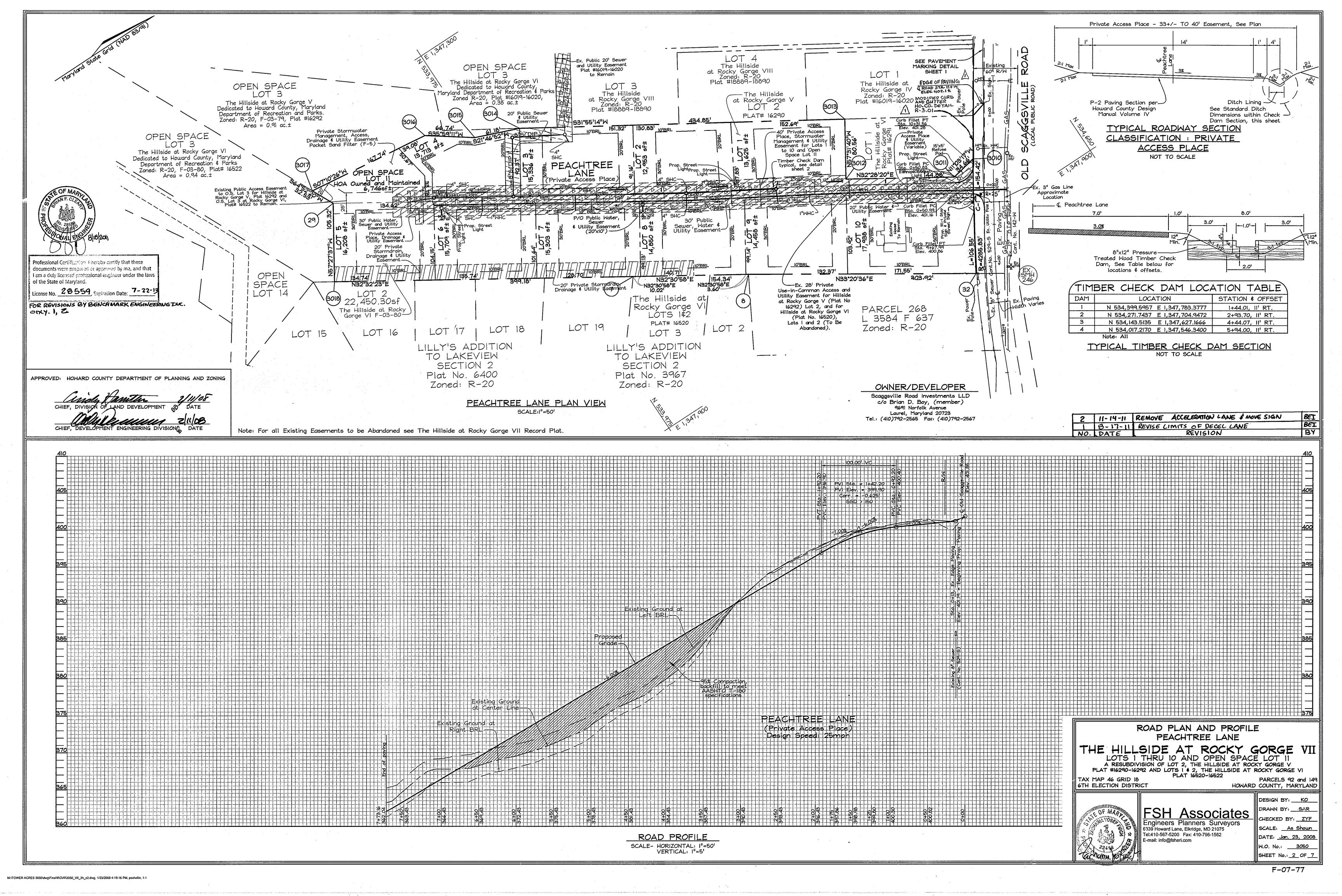
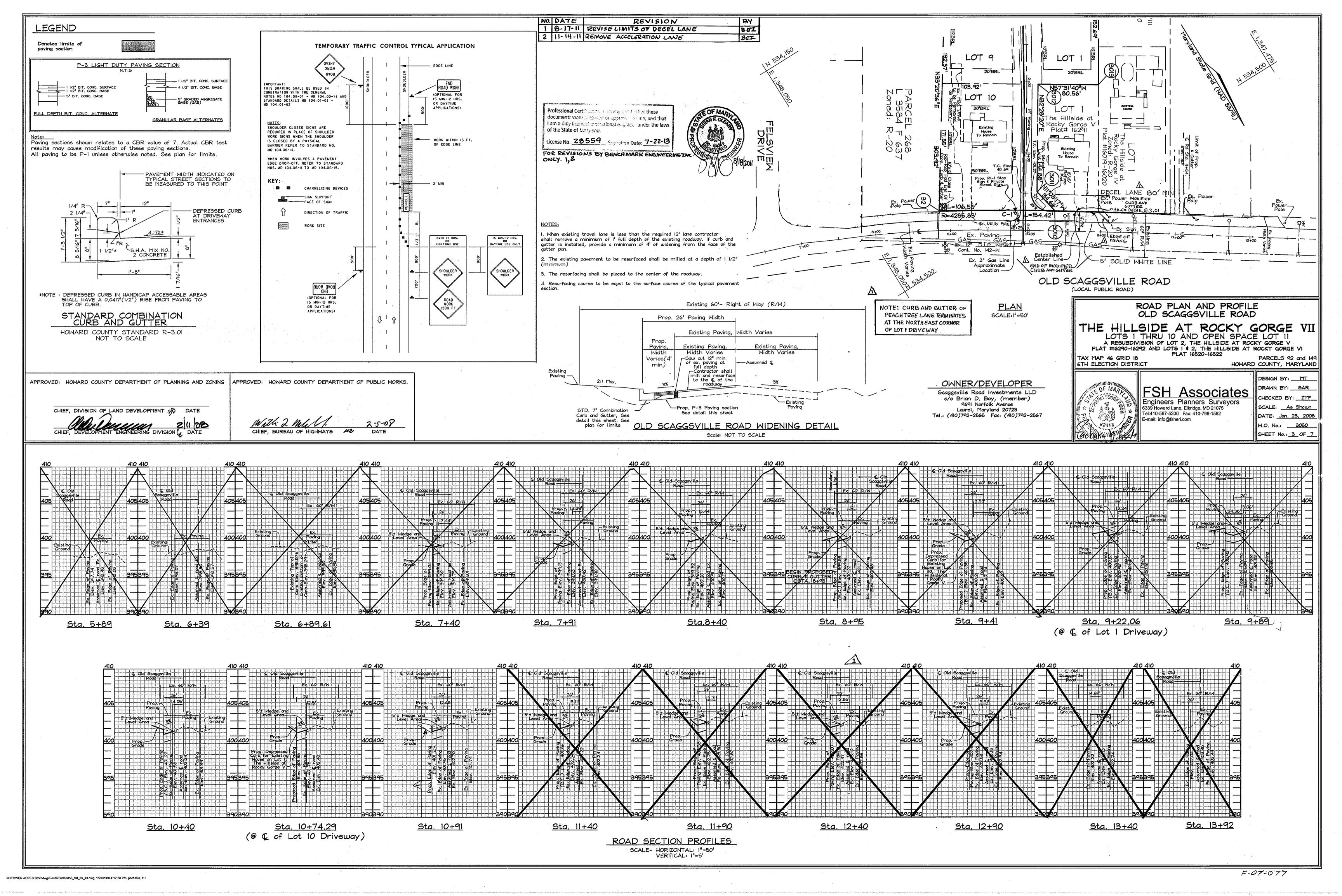
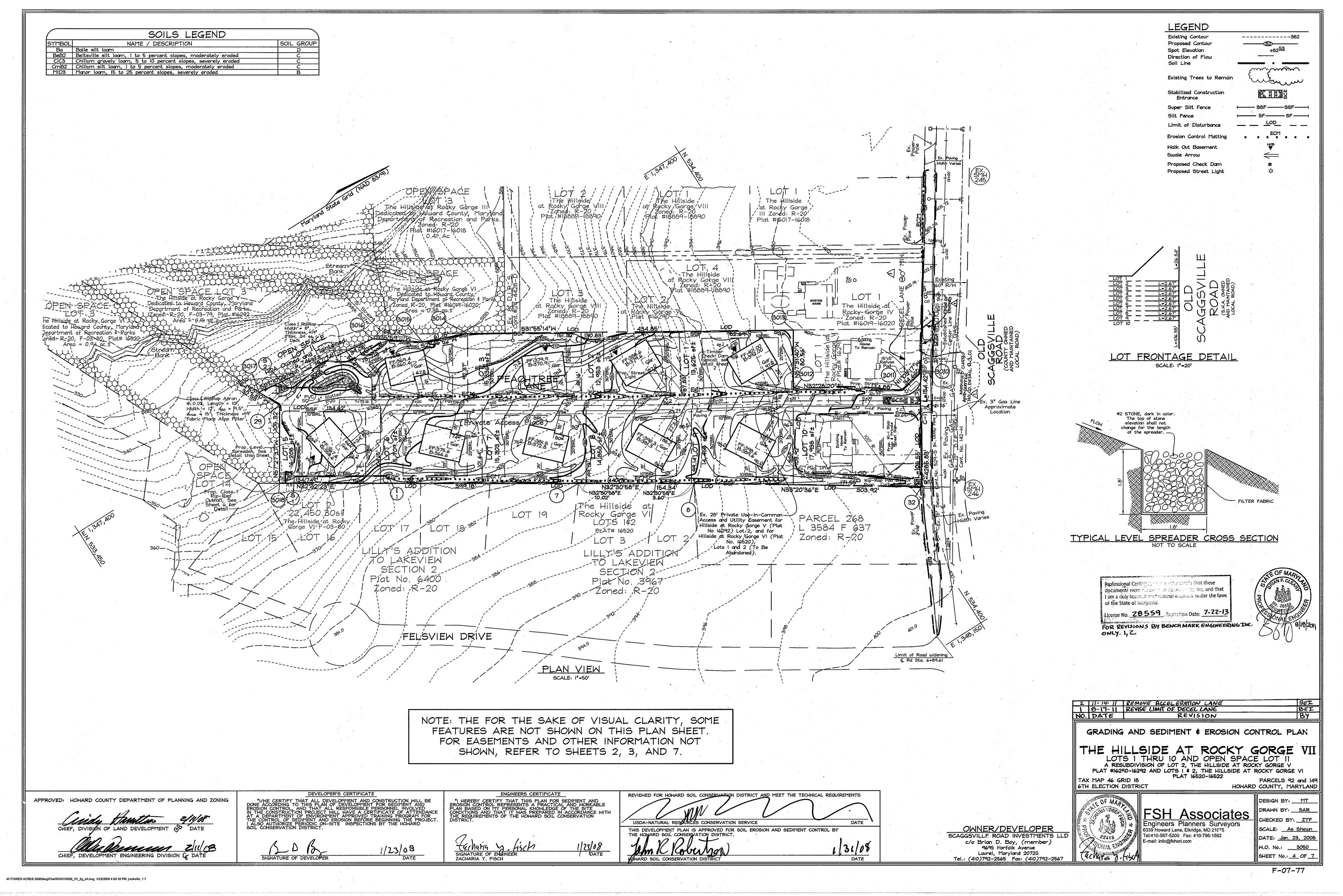
LEGEND GENERAL NOTES FINAL ROAD CONSTRUCTION PLANS Existing Contour 1. The subject property is zoned "R-20" per the 2/20/04 Comprehensive Zoning Plan and per the Comp Lite Zoning Amendments effective on July 28, 2006. Proposed Contour 2. This site is located within the Metropolitan District. 3. Public water (contract #142-W) and sewer (contract #24-3879-D) To be utilized. Existing Spot Elevation Site is located within the Patapsco Drainage Area. 4. Soils map no. 33. Existing Trees to Remain 5. Gross area of site: 3.601 Ac.± 6. Area of proposed public R/W: 0 (Right of Way was dedicated under F-03-79 \$ F-03-80 along Scaggsville Road) Utility Pole Number of proposed buildable lots: 10 Area of proposed buildable lots: 3.446 Ac.± Stream Bank Buffer 8. Number of proposed Open Space lots: 1 Area of proposed H.O.A. Open Space lot: 0.155 ac.± 9. Open Space provided under the Hillside and Rocky Gorge V, 1.3707 Ac.± and ROCKY GORGE VII Ex. Public Access Easement the Hillside at Rocky Gorge VI, 0.94 Ac. ± for a total of 2.3107 Ac. ± 10. Topography and existing utilities are based on a Field Run Topographic Survey prepared by C.B. Miller \$ Associates in November 2001. 11. Field run Boundary Survey prepared by C.B. Miller \$ Associates in November 2001. 12. This subdivision is exempt from A.P.F.O. Roads study in accordance with Prop. Public Water, Sewer & Utility Easement. the justification presented within the A.P.F.O. traffic study prepared by LOTS 1 THRU 10 AND OPEN SPACE LOT 11 Mars Group in June, 2003 and approved under SP-04-05. Prop. Public Water (Utility Easement. 3. Per F-03-79 and F-03-80 there are no wetlands on site. Forest Stand Delineation and report prepared by Exploration Research, Inc. approved under F-03-79 and F-03-80. A RESUBDIVISION OF THE HILLSIDE AT ROCKY Prop. Private Access Place, SWM & Utility Easement for Lots ! to !!. 15. Forest Conservation obligations have been provided for under F-03-79 and F-03-80, by retarion of 91 Ac. under 91at #16392 and 94 Ac. under Plat #16522. 16. There are no historic structures or cemeteries on-site. 17. Previous County file numbers: F-03-79; F-03-80; S-03-18; SP-04-05, Contract No. 24-4464-D. GORGE V LOT 2 RECORDED IN PLAT NUMBER 16290 18. No grading, removal of vegetative cover or trees, paving and new structures shall be permitted within the limits of wetlands, stream(s), or their required buffers, Forest Conservation floodplain and forest conservation easement areas. 19. Overflow Parking Requirements (per Design Manual): AND THE HILLSIDE AT ROCKY GORGE VI L a.) Number of parking spaces required: 5 (0.5 per unit x 9 new units) b.) Parking spaces provided in pull-off areas and on private driveway GEODETIC SURVEY CONTROLS 20. For flag or pipe stem lots, refuse collection, snow removal and road maintenance Howard County Geodetic Control Stations No.47FT1 and No.47FT2 - Denotes approximate are provided to the junction of the flag or pipe stem and the road right-of-way line only and not onto the flag or pipe stem lot driveway. RECORDED IN PLAT # 16520 location (see vacinity map). N 535,143.322 (feet) E 1,346,960.276 (feet) EL. 404.04 N 534,509.424 (feet) E 1,347,851.039 (feet) EL. 401.10 . There is no 100 Year Floodplain on site. 22. There is an existing dwelling on Lot 10 to remain. No new buildings, extensions or additions to the existing dwelling are to be constructed at a distance less than the zoning regulation requires. SHEET INDEX 23. Perimeter Landscaping is addressed in accordance with Section 16.124 of the Howard County Code and the Landscape Manual. DESCRIPTION SHEET No 24. Coordinates based on NAD 183/91, Maryland Coordinate System as projected by Cover Sheet 1 of 7 Howard County. Geodetic Control Stations no. 47FT1 and no. 47FT20 Denotes Road Plan and Profile for Peachtree Lane 2 of 7 approximiate location (see vicinity map). N 534,650 Sta. 47FTI N 535,143.322 (feet) E 1,346,960.276 (feet) EL. 404.04 Sta. 47FT2 N 534,509.424 (feet) E 1,347,851.039 (feet) EL. 401.10 Road Plan and Profile for Old Scaggsville Road 8 Pipesterns @ 2.67' Spacing Each = Total Arc Length 3 of 7 PROPOSED ROAD WIDENING Sediment & Erosion Control, Perimeter Plantings, Refuse Pad Screening and Street Tree Plantings 4 of 7 25. The lots shown hereon comply with the minimum ownership width and lot area as required by the Maryland State Department of the Environment. Stormwater Management, Sediment & Erosion Control & Miscellaneous Notes & Details of 154.421 on a 5 of 7 4,285.831 Radius-26. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable. Stormdrain Drainage Area Map & Stormdrain Profiles 27. Traffic control devices markings and signing shall be in accordance with the latest Perimeter Plantings, Refuse Pad Screening \$ Street Tree Plantings Plan 7 of 7 edition of the Manual of Uniform Traffic Control Device (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt. 28. All street sign posts shall be 2" square metal tube posts (14 gauge) installed into a 3" sleeve (2.5" square metal tube, 12 gauge) with a cap on top. COORDINATE TABLE 29. Driveway(s) shall be provided prior to issuance of a use and occupancy permit to ensure safe access for fire and emergency vehicles per the following requirements: POINT NORTHING EASTING a.) Width - 12 feet (14 feet serving more than one residence); -N32*28'20"E 178.38" N32°28'20"E 178.37' / b.) Surface - six (6") inches of compacted crusher run base with tar and chip 534,047.6400 1,347,703.8520 534,177.7860 1,347,786.8150 --- N32"28'20"E 178.37' d.) Structures (culvert/bridges) - capable of supporting 25 gross tons (H25-loading); 533,767.7771 1,347,400.3499 -- N32*28¹20"E 178.37¹ c.) Geometry - Maximum 14% grade, Maximum 10% grade change and 45-foot --- N32°28'20"E 178.37' 534,431.6801 1,347,953.8676 --- N32°28'20"E 178.38' N30'01'44"E 187.64 3,010 534,513.2901 1,347,822.7895 e.) Drainage elements - capable of sagely passing 100 year flood with no more than N30"01'44"E 187.64" I foot depth over surface; 3,011 | 534,479.2764 | 1,347,829.4347 /N30°01'44"E 187.64'_) f.) Structure clearances - minimum 12 feet; 3,012 | 534,357.0515 | 1,347,751.6520 / N30'01'44"E 187.64'~ a.) Maintenance's - sufficient to ensure all weather use. N30"01'44"E 187.64'- X 3,013 | 534,400.3016 | 1,347,683.6903 30. All construction shall be in accordance with the latest standards and specifications of N30'01'44"E 187.64'-3,014 | 534,031.2119 | 1,347,453.7689 Howard County plus MSHA standards and specifications if applicable. II. Street light placement and the type of fixture and pole shall be in accordance with the 3,015 | 533,974.4034 | 1,347,431.0687 Howard County Design Manual, Volume III (1993) and as modified by "Guidelines for NOTE: SEE SHEET 3 FOR ROAD 3,016 | 533,920.3970 | 1,347,391.8505 Street Lights in Residential Developments (June 1993). "A minimum 20'spacing shall be maintained between any street light and any tree. See Street Light Table, this sheet. 3,017 | 533,753.9654 | 1,347,370.9024 3,018 533,711.1248 1,347,489.1404 32. The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) PAVEMENT working days prior to the start of work. 33. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done. MARKING Professional Certification Photeography that these PLAN 34. The contractor shall notify the Department of Public Works/Bureau of Engineering documents were prepared or approved by me, and that Construction Inspection Division at (410) 313-1880 at least five (5) working days I am a duly licensed professional engineer under the laws prior the start of work. All fills for public road surfaces require 95% compaction SCALE: 1"=1001 (AASHTO-T-180). of the State of Marviand. 5. The contractor shall notify the following utility companies or agencies at least five(5) License No. 28559 Expiration Date: 7/22/13 working days before starting work shown on these plans: State Highway Administration 410.531.5533 FOR REVISIONS BY BENCHMARK ENGINEERING THE 410.850.4620 BGE(contractor services) DRIVEWAY CULVERT REQUIREMENTS 410.787.9068 BGE(underground damage control) 1.800.257.7777 Miss Utility Lots 1 Thru 9 - 12" CMP or equivalent Colonial Pipeline Company 410.795.1390 Howard County, Dept. of Public Works, Bureau of Utilities 410.313.4900 Howard County Health Department 1. Driveway must be paved from the edge of the private 410.313.2640 access place to edge of access easement line using standard paving section P-1 as shown on Standard No. 16. The Private access Place and Refuse Pad Maintenance Agreement for Lots 1 to 11 shall be recorded simultaneously with this plat in the Land Records Office of 6.06 or alternate section equal to or better that P-1, as Howard County, MD. N 533,850 L шN 533,850 37. In accordance with the conditions and approval of WP 03-64, the Department of 2. Drainage culvert shall be sized for a 10-Year frequencey Recreation and Parks shall not share in the maintenance of the use-in-common storm and the minimun size shall be a 12" dia. HDPE or private access place serving the residential lots. RCCP, ditch invert shall be lowerd to provide min. ditch 38. This plan conforms to the Fifth Edition of the Subdivision and Land Development gradient of 0.5% and clearance shown. Regulations, having preliminary/equivalent (SP 04-05) plan approval prior to 3. For Private driveways, flow may be provided over the driveway located at or near the crest of vertical curves 39. Financial surety for the required landscaping, refuse pad screening and the private on the public road where quantity of flow is small, as access place street tree planting will be posted as part of the Developer's Agreement under this plat, F-07-77 in the amount of \$10,590.00 (32 shade trees approved by D.P.W. PROFESSIONAL CERTIFICATION 4. Tie-in grade of private driveway shall not @\$300.00 each, 5 evergreen trees @\$150.00 each, and 8 shrubs @\$30 each). hereby certify that these documents were prepared or 40. Stormwater Management is provided as follows: This site is exempt from providing CP_V Management. WQ_V and Re_V are provided thru the Grass Channels, Pocket Sand Filter and Sheet Flow to Buffer Credits. exceed 14%. approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 7-29-09. 11. The public road frontage for Open Space Lot 3, The Hillside at Rocky Gorge V, Plat 16292, and Open Space Lot 3, The Hillside at Rocky Gorge VI, Plat 16522, is derived from Stansfield Road. Howard County Department of Recreation and Graded Shoulder Parks shall not share in maintenance responsibility for the private access place OWNER/DEVELOPER Standard Flare SCAGGSVILLE ROAD INVESTMENTS LLD LOCATION MAP 42. The contractor or developer shall contact the Construction Inspection Division 24 c/o Brian D. Boy, (member) hours in advance of commencement of work at (410) 313-1880. 9695 Norfolk Avenue ∽Roadway Shoulder-SCALE: 1"=100" Laurel, Maryland 20723 Edge Of Pavement— Tel.: (410)792-2565 Fax: (410)792-2567 © Private Access Place MINIMUM LOT SIZE CHART GROSS PIPESTEM MINIMUM COVER SHEET NUMBER AREA (SF) AREA (SF) LOT SIZE (SF 13,625± 751± ∘12,874± PLAN 12,953± 850± THE HILLSIDE AT ROCKY GORGE VII 15,336± 1,207± 14,129± 41 Min. Stabilized LOTS I THRU 10 AND OPEN SPACE LOT 1 | 13,713± | 1,613± | 12,100± Shoulder Width Hold Normal Shoulder 5 16,208± 1,923± 14,285± A RESUBDIVISION OF LOT 2, THE HILLSIDE AT ROCKY GORGE V Elevation at This Point PLAT #16290-16292 AND LOTS 1 \$ 2, THE HILLSIDE AT ROCKY GORGE VI 6 | 15,709± | 1,561± | 14,148± CURVE TABLE PLAT 16520-16522 7 | 15,303± | 1,191± | 14,112± TAX MAP 46 GRID 18 PARCELS 92 and 149 CURVE RADIUS LENGTH DELTA TANGENT CHORD 8 14,850± 816± 14,034± 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND Cl 4285.831 I54.421 02°0315211 77.221 S58°05'36"E I54.411 9 14,458± 453± 14,005± Grade Varies (Max. Grade 14%) DESIGN BY: MT See Note !-STREET LIGHT TABLE APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DRAWN BY: SAR STREET NAME LOCATION OFFSET FIXTURE TYPE -12" HDPE OR RCCP Normal Ditch Grading-CHECKED BY: ZYF 00 watt HPS vapor Premier PIPESTEM ENLARGEMENT Peachtree Lane N 533,855.20 E 1,347,455.84 Engineers Planners Surveyors post top mounted 100 watt HPS vapor Premier SECTION 'A'-'A' SCALE: As Shown 6339 Howard Lane, Elkridge, MD 21075 Peachtree Lane CHIEF, DIVISION OF LAND DEVELOPMENT & ⊈ Sta. 3+42 post top mounted 150 watt HPS vapor Premier post top mounted Tel:410-567-5200 Fax: 410-796-1562 DATE: <u>Jan. 23, 2008</u> -mail: info@fsheri.com Peachtree Lane N 534,483.38 E 1,347,834.57 RESIDENTIAL DRIVEWAY ENTRANCE 2 11-14-11 REMOVE ACCELERATION LANE W.O. No.: <u>3050</u> *Note: Street lights shown are private and are the maintenance responsibity of the H.O.A. 1 8-17-11 REVISE LIMITS OF DECELLANE NOT TO SCALE SHEET No.: _ 1_ OF _ 7 Denotes Street Light REVISION F-07-77 M:\TOWER ACRES 3050\dwg\FinahRGVI\\3050_3f_s1.dwg, 1/23/2008 5:31:13 PM, chepburn, 1:1







DETAIL 33 - SUPER SILT FENCE DETAIL 30 - EROSION CONTROL MATTING 21.0 STANDARDS AND Table B.3.1. Material Specifications for Sand Filters Existing SPECIFICATIONS FOR TOPSOIL Specification/Test Method Size
Clean AASHTO-M-6 or ASTM-C- 0.02" to 0.04 Ground 10' MAXIMUM Sand substitutions such as Diabase and Graystone #10 Definition are not acceptable. No calcium carbonated or dolomitic 33 concrete sand sand substitutions are acceptable. No "rock dust" can be Placement of topsoil over a prepared subsoil prior to 34" MINIMUM establishment of permanent vegetation. Purpose The material must be reed-sedge hemic peat, ash content: < 15% To provide a suitable soil medium for vegetable growth shredded, uncompacted, uniform, and clean. pH range: 5.2 to 4.9 36" MINIMUR loose bulk density 0.12 to 0.15 a/cc Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or FLON Underdrain gravel | AASHTO-M-43 Geotextile fabric | ASTM-D-4833 (Puncture Strengthunacceptable soil gradation. CROSS-SECTION Conditions Where Practice Applies - 8" MINIMUM 0.08" thick WITH I LAYER OF FILTER CLOTH Must maintain 125 apm per sq. ft. flow rate. Note: a equivalent opening 4" pea gravel layer may be substituted for geotextiles (If required) (125 lb.) This practice is limited to areas having 2:1 or flatter ASTM-D-4632 (Tensile Strengthsize of #80 sieve meant to "separate" sand filter layers. CHAIN LINK FENCINGslopes where: mpermeable Liner ASTM-D-4833 (Thickness) FLOW ____ FILTER CLOTH-__ a. The texture of the exposed subsoil/parent material O mil. thickness Liner to be ultraviolet resistant. A geotextile fabric is not adequate to produce vegetative growth. should be used to protect the liner from puncture. ASTM-D-412 (Tensile Strength-(If required) b. The soil material is so shallow that the rooting EMBED FILTER CLOTH 8" 1,100 lb., elongation 200%) Ground. zone is not deep enough to support plants or furnish ASTM-D-624 (Tear Resistancecontinuing supplies of moisture and plant nutrients. STANDARD SYTEOL 150 lb./in.) c. The original soil to be vegetated contains ASTM-D-471 (Water Absorption: ---- 55F ----material toxic to plant growth. Construction Specifications d. The soil is so acidic that treatment with Fencing shall be 42" in height and constructed in accordance with the limestone is not feasible. latest Maryland State Highway Details for Chain Link Fencing. The specification For the purpose of these Standards and Specifications, for a 6' fence shall be used, substituting 42" fabric and 6' length MSHA Standards and Specs. Section 902, Mix No. 3, f'c = 3500 On-site testing of Poured-In-Place concrete required: areas having slopes steeper than 2:1 require special 28 day strength and slump test; all concrete design consideration and design for adequate stabilization. Areas (Cast-In-Place) 2. Chain link fence shall be fastened securely to the fence posts with wire ties psi., normal weight, air-entrained; re-inforcing to meet ASTM-615-60 TYPICAL STAPLES NO. II (Cast-In-Place or Pre-cast) not using previously having slopes steeper than 2:1 shall have the appropriate approved State or local standards requires design stabilization shown on the plans. drawings sealed and approved by a professional Construction and Material Specifications 3. Fliter cloth shall be fastened securely to the chain link fence with ties spaced structural engineer licensed in the State of Maryland Bottom Elev Topsoil salvaged from the existing site may be used Class I RipRat I. Key-in the matting by placing the top ends of the matting in a provided that it meets the standards as set forth in these $|d_{50}| = 9.5$ SEE ABOVE NOTE norrow tranch, 6° in depth. Backfill the trench and tamp firmly to pre Pre-Cast Manufacturer Concrete 4. Filter cloth shall be embedded a minimum of 8° into the ground. specifications. Typically, the depth of topsoil to be d50 =15" conform to the charmel cross-section. Secure with a row of staples about 4' down slope from the trench. Spacing between staples is 6" salvaged for a given soil type can be found in the Structural Steel to be Hot-Dipped Galvanized ASTM-A-123 5. When two sections of filter cloth adjoin each other, they shall be overlapped Thickness + 19 representative soil profile section in the Soil Survey 2. Stable the 4" overlop in the channel center using an 18" spacing Place Atop published by USDA-SCS in cooperation with Maryland 6. Maintenance shall be performed as needed and slit buildups removed when "buildes" Agricultural Experimental Station. PERMANENT SEEDING NOTES - Sand Filter, See TEMPORARY SEEDING NOTES evelop in the silt fence, or when silt reaches 50% of fence height 3. Before stopling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil. Section B'+'B' this Topsoil Specifications - Soil to be used as topsoil 7. Filter cloth shall be fastened securely to each fence post with wire ties or must meet the following: stoples at top and mid section and shall meet the following requirements for APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO 4. Stooles shall be placed 2' apart with 4 rows for each strip, i. Topsoil shall be a loam, sandy loam, clay loam, SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not silt loam, sandy clay loam, loamy sand. Other soils may be IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT Tensile Strength 20 lbs/in (min.)

0.3 gal/ft /minute (max.)

Test: MSMT 509

Test: MSMT 322 LONG-LIVED VEGETATIVE COVER IS NEEDED. used if recommended by an agronomist or a soil scientist and 5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shiplap fashion. Reinforce the overlap with a double row of stoples spaced 6" apart in a staggered pattern on either side. approved by the appropriate approval authority. Regardless, Test: MSMT 322 opsoil shall not be a mixture of contrasting textured SEEDBED PREPARATION: Loosen upper three inches of soil by SOIL AMENDMENTS: In lieu of soil test recommendations, use PAGE MARYLAND DEPARTMENT OF ENVIRONMEN N - 26 - 3 WATER MANAGEMENT ADMINISTRATION subsoils and shall contain less than 5% by volume of raking, discing or other acceptable means before seeding, if not the following schedule: 6. The discharge end of the matting liner should be similarly Apply 2 tons per acre dolomitic limestone(92 lbs/1000 s.f.) And cinders, stones, slag, coarse fragments, gravel, sticks previously loosened. 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. roots, trash, or other materials larger that I and 1/21 in DETAIL 22 - SILT FENCE SOIL AMENDMENTS: In lieu of soil test recommendations, use Note: If flow will enter from the edge of the motting then the crea diameter Harrow or disc into upper 3 in. Of soil. ii. Topsoil must be free of plants or plant parts such the following schedule: Apply 2 tons per acre dolomitic limestone(92 lbs/1000 s.f.) And 900 lbs. / acre (20.7 U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE G - 22 - 2 HATER MANAGEMENT ADMINISTRATION as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison SEEDING: Apply the Maryland State Highway approved seed -36" MINIMUM LENGTH FENCE POST DRIVEN A MINIMUM OF 16" INTO GROUND 1bs./1000s.f.) of 10-20-20 before seeding. Harrow or disc into ivy, thistle, or others as specified. mixture of Barley or Rye plus Foxtail Millet in accordance with SEQUENCE OF CONSTRUCTION seeding dates and rates shown in the Temporary Seedina iii. Where the subsoil is either highly acidic or upper 3 in. Of soil. composed of heavy clays, ground limestone shall be spread at Summary shown on this sheet. For stabilization outside of the 1. Obtain grading permit and contact Howard County Sediment the rate of 4-8 tons/acre (200-400 pounds per 1,000 savare SEEDING: Apply a mixture of Turf Type Tall fescue(80%) and seeding dates, apply straw mulch at rates and methods Control Inspector(SCI) to arrange a pre-construction Hard Fescue (20%) in accordance with seeding dates and rates eet) prior to the placement of topsoil. Lime shall be meeting. (1 day) distributed uniformly over designated areas and worked into shown in the Permanent Seeding Summary shown on this sheet 2. Install Stabilized Construction Entrance. (1 day) the soil in conjunction with tillage operations as described For stabilization outside of the seeding dates, apply straw mulch MULCHING: Immediately following seeding, apply a uniform 1-2 at rates and methods specified below and apply permanent in. Deep layer of un-rotted small grain straw at a rate of 2 3. Clear and grub as necessary for installation of silt fence, n the following procedures. seeding when within proper seeding dates. For sites having disturbed areas under 5 acres: tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is super silt fence. (5 days) i. Place topsoil (if required) and apply soil 4. Install silt fence/ super silt fence. (3 days) PROFILE THROUGH SAND FILTER OVERFLOW SPILLWAY MULCHING: Immediately following seeding, apply a uniform 1- 2 Straw may be anchored with wood cellulose fiber at a rate of mendments as specified in 20.0 Vegetative Stabilization PERSPECTIVE VIEW 5. With permission of SCI, grade roads to subgrade. (3 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fibre/ 100 in. Deep layer of un-rotted small grain straw at a rate of 2 Section 1 - Vegetative Stabilization Methods and Materials. weeks) tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is gal. of water. Synthetic liquid binders such as Terra Tax II, iii. For sites having disturbed areas over 5 acres: 6. Install storm drain system block 1-1, 1-2, and 1-3. (2 i. On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required Acrylic DLR (Agro- Tack), DCA-70, Petroset and other SCALE: Hor. I"=20' Straw may be anchored with wood cellulose fiber at a rate of weeks) approved equals may be used at rates recommended by the 7. Fine grade roads and complete paving and final vegetative 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fibre/ 100 to bring the soil into compliance with the following: manufacturers. EMBED GEOTEXTILE CLASS F A MINIMUM OF 8" VERTICALLY INTO THE GROUND gal. of water. Synthetic liquid binders such as Terra Tax II. OPERATION AND MAINTENANCE SCHEDULE FOR a. pH for topsoil shall be between 6.0 and 7.5. If REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED. stabilization. (1 week) - FENCE POST DRIVEN Acrylic DLR (Agro- Tack), DCA-70, Petroset and other 8. Install Pocket Sand Filter facility. (3 days) the tested soil demonstrates a pH of less than approved equals may be used at rates recommended by the PRIVATELY OWNED AND MAINTAINED POCKET SAND 6.0, sufficient lime shall be prescribed to raise 9. With permission of SCI remove all and sediment controls the pH to 6.5 or higher. and apply permanent stabilization to those areas. (3 days) manufacturers. o. Organic content of topsoil shall be not less than FILTER, STORMWATER MANAGEMENT FACILITY (F-5) 10. With permission of SCI, grade for and immediately stabilize Elev.: 356.00 1.5 percent by weight. Topsoil having soluble salt content greater than STANDARD SYTECL Permanent Seeding Summary all grass channels with ECM and permanent seeding. (3 STAPLE ! Elev.: 355.75 500 parts per million shall not be used. Fertilizer Rate . The stormwater facility shall be inspected annually and after major storm. Inspections shall be performed Seed Mixture (Hardiness Zone <u>7a and 6b)</u> JOINING TWO ADJACENT SILT d. No sod or seed shall be placed on soil soil which Rate 11. Unblock 1-1, 1-2, and 1-3. (1 day) (10-20-20)during wet weather to determine if the facility is functioning properly. From Table 25 has been treated with soil sterilants or chemicals FENCE SECTIONS - Provide Filter 2. The top and side slopes of the embankment shall be mowed a minimum of once per year, when vegetation 18" Clean Washed used for weed control until sufficient time has Construction Specifications P205 K20 Fabric along outside of Sand Filter ANTI- SEEP FLANGES- 1/16" GUM RUBBER 1. Fence posts shall be a minimum of 36" long, driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 month are liven. Fort. elapsed (14 days min.) to permit dissipation of Concrete Sand Dates reaches 18" in height or as needed. Depths Rate (1b/ac) phyto-toxic materials. 3. Filters that have a grass cover shall be mowed a minimum of three (3) times per growing season to WITH WOOD FRAME Topsoil substitutes or amendments, as recommended 3/1-5/15 0.5 in. 901b/ac|751b/ac|751b/ac|2tons/ac Tall Fescue (80%) maintain a maximum grass height of less than 12 inches. netallation instructions come attached to each Anti-Seep Supplier by a qualified agronomist or soil scientist and approved by (2.0lb/ (4lb/ (4lb/ (100lb/ 10 Hard Fescue (20%) 4. Debris and litter shall be removed during regular mowing operations and as needed. Agri-Drain or approved equal (www.agridrain.com) the appropriate approval authority, may be used in lieu of 1000sf) 1000sf) 1000sf) 1000sf 5. Visible signs of erosion in the facility shall be repaired as soon as it is noticed. Elev.: 354.25 4"- No.8 Stone ii. Place topsoil (if required) and apply soil ammendments 6. Remove silt when it exceeds four (4) inches deep in the forebay. Tests MSMT 509 Temporary Seeding Summary 50 lbs/in (min.) 7. When water ponds on the surface of the filter bed for more than 72 hours, the top few inches of discolored specified in 20.0 Vegetative Stabilization-Section 1-Vegetative Tensile Modulus material shall be replaced with fresh material. Proper cleaning and disposal of the removed materials and liquid Stabilization Methods and Materials. 0.3 gol ft /minute (max.) Lime Rate 8" Gravel Jacket Fertilizer Seed Mixture (Hardiness Zone <u>6a and 7a</u>) Filtering Eggeciency V. Topsoil Application must be followed by the owner. i. When topsoiling, maintain needed erosion and From Table 26 Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass. 8. A log book shall be maintained to determine the rate at which the facility drains. (10-10-10) Elev.: 353.25 sediment control practices such as diversions, Grade Application 9. The maintenance log book shall be available to Howard County for inspection to insure compliance with No. | Species 4 Sill Fenze shall be inspected after each rainfall event and maintained when pilization Structures, Earth Dikes, Slape Silt Fence and ---6" Slotted Rigid Schedule Rate (1b/ac) Sediment Traps and Basins. 2/1-11/30 (7a) /4 in- 600 lb/ac 2 tons/ac 40 PVC or SDR35 10. Once the performance characteristics of the infiltration system have been verified, the monitoring schedule 150 lbs ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4[#] THROUGH SAND FILTER (151b/1000sf)(1001b/1000sf) can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is (3.51bs/1000saf)3/15-10/31 (6a) U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE E - % - 3 HATER MANAGEMENT ADMINISTRATION Rye plus 8^a higher in elevation. iii. Topsoil shall be uniformly distributed in a 4^n -DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE 3" 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 $\binom{5}{2}$ corrected in order to prevent the formation of depressions or water pockets. -- EARTH FILL Ground iv. Topsoil shall not be place while the topsoil or Top Sand Filter Dam " GEOTEXTILE CLASS ------ PIPE AS NECESSARY subsoil is in a frozen or muddy condition, when the subsoil Elev.:360.00 ---- MINIMUM 6" OF 2"- 3"
AGGREGATE OVER LENGTH
AND WIDTH OF STRUCTURE is excessively wet or in a condition that may otherwise be Available in sizes: 21x21 detrimental to proper grading and seedbed preparation. PROFILE SEDIMENT CONTROL NOTES Existing 1. A minimum of 48 hours notice must be given to the Howard County Department LENGTH of Inspection, License and Permits Sediment Control Division prior to the start of Ground Use a 4'x4' anti-seep collar any construction (313-1855). AGRI-Dra 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 (ASCO4) STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. Water Flow equal Anti-See Collar Following initial soil disturbance or redisturbance, permanent or temporary uww.agridrain.com stabilization shall be completed within: (a) 7 calendar days for all perimeter See Detail this STANDARD SYMBOL sediment control structures, dikes, perimeter slopes, and all slopes greater sheet -356.00 than 3:1, (b) 14 days as to all other disturbed or graded areas on the All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY Length - minimum of 50! (* 30' for a single residence lot) . Width $\sim 10^{\circ}$ minimum, should be flared at the existing road to provide a turning radius. -18" Clean Washe 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 DIRECTIONS FOR USING THE ANTI-SEEP COLLAP Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. ** The plan approval authority may not require single family residences to use geotextile. EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, 4"- No.8 Stone Stone – crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance. and mulching (Sec. G). Temporary stabilization with mulch alone shall be done Thickness=19" Unroll the Anti-Seep and attach the boards to the when recommended seeding dates do not allow for proper germination and Place Atop Filter edges to form a square. (Use the boards and nails −8" Gravel Jacket Fabric, Extend 1.0' provided.) (4'x4' \$ Larger) establishment of grasses. (AA5HTO M-43) Cut a round hole in the center of the rubber that is Surface Water - all surface water flowing to or diverted toward construction All sediment control structures are to remain in place and are to be side slopes, See Surface Nater — all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 541 slopes and a minimum of 64 of stane over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey, a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 64 minimum will be required. smaller than the pipe size (approx. 33% smaller). This maintained in operative condition until permission for their removal has been profile through will allow the rubber to stretch over the pipe. This obtained from the Howard County Sediment Control Inspector. spillway for additional should provide a nearly waterproof seal between the Site Analysis pipe and the Anti-Seep. 3.60 Acres 3.00 Acres Slip the pipe through the Anti-Seep, inspect the seal Total Area . between the pipe and the Anti-Seep, carefully backfill Area Disturbed 5. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized con-struction entrance. 0.90 Acres and compact with suitable soil. Area to be roofed or paved 2.10 Acres 3,000 CY* Area to be vegetatively stabilized _ Total Cut 3,000 CY* 4'x4' AGRI-Drain (ASCO4) U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE F - 17 - 3 WATER MANAGEMENT ADMINISTRATION Total Fill Slotted 6" Rigid or Approved equal Offsite waste/borrow area location_ Place Atop Schedule 40 PVC Stoid 6" Rigid Schedule 40 Any sediment control practice which is disturbed by grading activity for Anti-Seep Collar or-SDR35 @ 4.0% STORMWATER MANAGEMENT, SEDIMENT & EROSION placement of utilities must be repaired on the same day of disturbance. uwu.agridrain.com, 5ee Additional sediment controls must be provided, if deemed necessary by the Detail this sheet CONTROL AND MISCELLANEOUS NOTES & DETAILS Howard County Sediment Control Inspector. On all sites with disturbed areas in excess of 2 acres, approval of the inspection THE HILLSIDE AT ROCKY GORGE VII agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or LOTS I THRU IO AND OPEN SPACE LOT grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made. SECTION 'A'-'A' - PROFILE THROUGH SAND FILTER OUTFALL PIPE A RESUBDIVISION OF LOT 2, THE HILLSIDE AT ROCKY GORGE V PROFILE ALONG TOP OF SAND FILTER Trenches for the construction of utilities is limited to three pipe lengths or that PLAT #16290-16292 AND LOTS 1 \$ 2, THE HILLSIDE AT ROCKY GORGE VI which shall be back-filled and stabilized within one working day, whichever is shorter. **EMBANKMENT** PLAT 16520-16522 Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify TAX MAP 46 GRID 18 PARCELS 92 and 149 all quantities prior to the start of construction. SCALE: Hor. I"=20' HOWARD COUNTY, MARYLAND 6TH ELECTION DISTRICT * To be determined by contractor, with pre-approval of the Sediment Control Inspector Vert. 1"=2" with an approved and active grading permit REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS ENGINEERS 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. DEVELOPER'S CERTIFICATI DESIGN BY: MT "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT 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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DRAWN BY: __SAR CHECKED BY: ZYF Engineers Planners Surveyors USDA-NATURAL RESOURCES CONSERVATION SERVICE OWNER/DEVELOPER SCALE: As Shown 6339 Howard Lane, Elkridge, MD 21075 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY Tel:410-567-5200 Fax: 410-796-1562 SCAGGSVILLE ROAD INVESTMENTS LLD DATE: <u>Jan. 23, 2008</u> THE HOWARD SOIL CONSERVATION DISTRICT. E-mail: info@fsheri.com c/o Brian D. Boy, (member) W.O. No.: 3050 31/08 9695 Norfolk Avenue 1/23/08 Laurel, Maryland 20723 CLCHAIM SHEET No.: 5 OF 7 Tel.: (410)792-2565 Fax: (410)792-2567 ZACHARIA Y. FISCH F-07-77

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