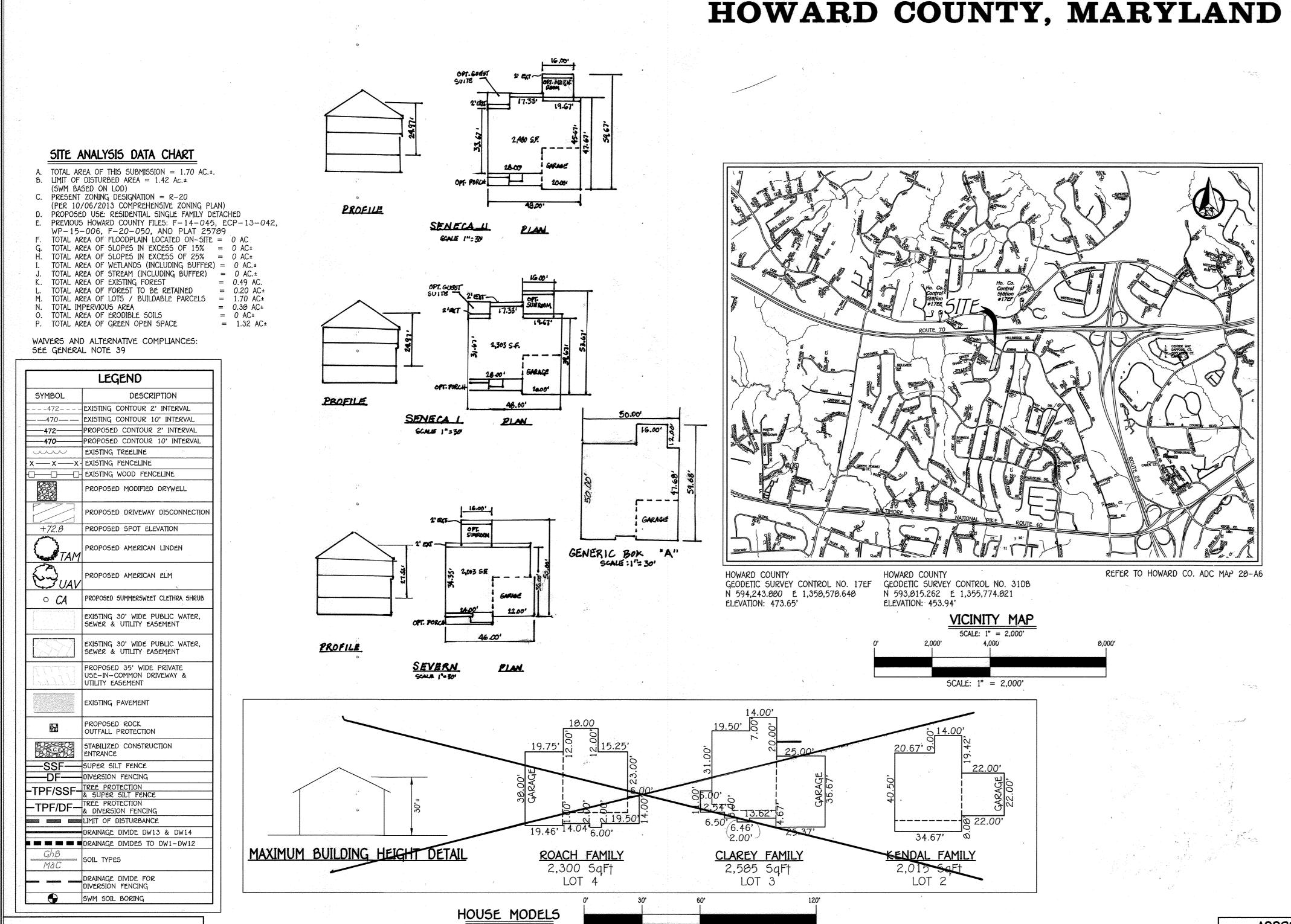
SHEET INDEX SHEET NO. DESCRIPTION EXISTING CONDITIONS PLAN SITE DEVELOPMENT PLAN SEDIMENT EROSION CONTROL PLAN SEDIMENT EROSION CONTROL NOTES AND DETAILS STORMWATER MANAGEMENT PLAN TORMWATER MANAGEMENT NOTES AND DETAILS LANDSCAPE PLAN LANDSCAPE PLAN NOTES AND DETAILS

SITE DEVELOPMENT PLAN GOINS PROPERTY LOTS 2-4

R-20 ZONING DISTRICT

TAX MAP No. 17 GRID No. 16 PARCEL NO. 72 2ND ELECTION DISTRICT



General Notes:

SUBJECT PROPERTY ZONED R-20 PER 10/06/13 COMPREHENSIVE ZONING PLAN COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 17EF AND NO. 17EE.

STA. 17EF N 594,243.000 E 1,350,570.640 STA. 31DB N 593,015.262 E 1,355,774.021 THIS PLAN IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT DECEMBER, 2019 BY FISHER, COLLINS AND CARTER, INC.

B.R.L. DENOTES BUILDING RESTRICTION LINE DISTANCES SHOWN ARE BASED ON SURFACE MEASUREMENT AND NOT REDUCED TO NAD '83 GRID

DRIVEWAYS 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 (MINIMUM) REQUIREMENTS:

A). WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE);

B). SURFACE - SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP

C). GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND 45-FOOT

D). STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS

E). DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER SURFACE;

F). STRUCTURE CLEARANCE - MINIMUM 12 FEET;

G). MAINTENANCE - SURFACE ALL WEATHER USE.

H). ENTRANCE CONSTRUCTED PER HOWARD COUNTY STANDARD DETAIL R-6-01 THIS PLAN IS SUBJECT TO PRIOR DEPARTMENT OF PLANNING AND ZONING FILE NO'S: F-14-045, ECP-13-042, WP-15-006, F-20-050, AND PLAT 25709.
 NO CEMETERIES EXIST ON THE SUBJECT PROPERTY BASED ON VISUAL OBSERVATION OR LISTED IN

AVAILABLE HOWARD COUNTY CEMETERY INVENTORY MAP.

10. THERE ARE NO EXISTING DWELLINGS OR STRUCTURES ON THIS SITE. 11. WATER AND SEWER SERVICE TO THESE LOTS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.1228 OF THE HOWARD COUNTY CODE.

12. PUBLIC WATER AND SEWER ALLOCATION WILL BE GRANTED AT THE TIME OF ISSUANCE OF THE BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME. 13. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT AND WILL BE SERVED BY PUBLIC

WATER AND SEWER UNDER AN ADVANCE DEPOSIT ORDER AGREEMENT (ADO). 4. OPEN SPACE REQUIREMENTS HAVE BEEN PROVIDED UNDER F-14-045. 15. A COMMUNITY MEETING WAS HELD ON APRIL 26, 2012 WHICH IDENTIFIED THE ULTIMATE SUBDIVISION OF THE GOINS PROPERTY INTO LOT 1 (EXISTING HOUSE) AND LOTS 2, 3 AND 4 WITH NEW HOMES, F-14-045.

16. THIS SOP IS IN COMPLIANCE WITH THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE 10/06/13 COMPREHENSIVE ZONING PLAN. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN. WAIVER PETITION APPLICATION, OR BUILDING/GRADING PERMIT.

17. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOUSE OF THE PROVISIONS OF SECTION 16.124 OF

THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING TREES (10 SHADE AND 6 SHRUBS) SHALL BE POSTED AS PART OF THE BUILDER'S

GRADING PERMIT IN THE AMOUNT OF \$5,580.00. THE 35' PRIVATE USE-IN-COMMON DRIVEWAY EASEMENT FOR THE USE AND BENEFIT OF LOTS 2 THRU 4 WAS RECORDED SIMULTANEOUSLY WITH THE RECORDATION OF F-14-045 PLAT 25789 LIBER 18444 FOLIO 78.

THERE ARE NO WETLANDS, WETLANDS BUFFERS, STREAMS, STREAM BUFFERS, FLOODPLAIN OR FOREST CONSERVATION EASEMENTS WITHIN THIS SDP SUBMISSION LIMITS. 20. NO HISTORIC STRUCTURES EXIST WITHIN THE LIMITS OF THIS SITE DEVELOPMENT PLAN SUBMISSION.

21. PROPERTY IS A MINOR SUBDIVISION AND IS EXEMPT FROM APFO TRAFFIC REPORT IN ACCORDANCE WITH SECTION 4.7.8.5. OF THE HOWARD COUNTY DESIGN MANUAL, VOLUME III-ROADS AND 22. NO NOISE STUDY IS REQUIRED BECAUSE THE PROJECT DOES NOT FALL WITHIN THE GUIDELINES

OF DESIGN MANUAL, VOLUME III, ROADS, BRIDGES, SECTION 5.2.F.2. 23. ON JULY 31, 2014 THE PLANNING DIRECTOR APPROVED WP-15-006 TO WAIVE SECTION 16.120(C)(2) WHICH REQUIRES ALL LOTS FOR SINGLE FAMILY DETACHED DWELLINGS TO HAVE MINIMUM LOT FRONTAGES ON APPROVED STREETS WITHIN A PUBLIC RIGHT-OF-WAY. SUBJECT

A. AS PART OF THE FINAL SUBDIVISION PLAN, F-14-045 THE PROPOSED USE-IN-COMMON DRIVEWAY SHALL BE DESIGNED TO PROVIDE SUFFICIENT TURNING RADIUS AND WIDTH FOR USE BY EMERGENCY VEHICLES.

B. APPROVAL OF F-14-045 FINAL SUBDIVISION PLAT FOR THE SUBJECT PROPERTY BY THE DEPARTMENT OF PLANNING AND ZONING AND THE SRC REVIEW AGENCIES FOR

ESTABLISHMENT OF LOT 1-4 GOINS PROPERTY.

THE APPLICANT SHALL PROCESS AND RE-RECURD A NEW SHARED USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR THE RANDALL PROPERTY UNLESS THE EXISTING RECORDED DRIVEWAY MAINTENANCE AGREEMENT FOR THE RANDALL PROPERTY IS

SUFFICIENT FOR THE 5 LOTS.

24. SUBDIVISION IS SUBJECT TO SECTION 104.0.F. OF THE ZONING REGULATIONS. AT LEAST 10% OF THE DWELLING UNITS SHALL BE MODERATE INCOME HOUSING UNITS (M.I.H.U.) OR AN ALTERNATIVE COMPLIANCE WILL BE PROVIDED. THE DEVELOPER HAS EXECUTED A M.I.H.U. AGREEMENT WITH THE DEPARTMENT OF HOUSING TO INDICATE HOW THE M.I.H.U. REQUIREMENT WILL BE MET. THE M.I.H.U. AGREEMENT HAS BEEN RECORDED WITH F-14-045 IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MARYLAND. THIS DEVELOPMENT WILL MEET

M.I.H.U. ALTERNATIVE COMPLIANCE BY A PAYMENT OF A FEE-IN-LIEU TO THE DEPARTMENT OF HOUSING FOR EACH REQUIRED UNIT. MODERATE INCOME HOUSING UNIT (M.I.H.U.) TABULATION:
A .M.I.H.U. REQUIRED = (3 LOTS X 10%) = 0.3 M.I.H.U.

B. M.I.H.U. PROPOSED = DEVELOPER WILL PURSUE ALTERNATIVE COMPLIANCE BY PAYING A FEE-IN-LIEU TO THE HOWARD COUNTY HOUSING DEPARTMENT FOR THE UNITS

REQUIRED BY THE DEVELOPMENT C. AN EXECUTED M.I.H.U. AGREEMENT WITH THE HOWARD COUNTY HOUSING DEPARTMENT HAS BEEN COMPLETED AND RECORDED WITH PLAT NUMBER 25789 ON JULY 21, 2021.

25. SITE IS NOT ADJACENT TO A SCENIC ROAD. 26. FOREST CONSERVATION REPORT DATED FEBRUARY 23, 2013 WAS PREPARED BY ECO-SCIENCE

27. TRASH AND RECYCLING WILL BE PROVIDED WITHIN 5 FEET OF THE TERMINUS OF GREEN BOWER WAY (COUNTY ROAD). 28. STORMWATER MANAGEMENT PRACTICES ARE REQUIRED IN ACCORDANCE WITH THE DESIGN

MANUALS. PRIOR TO SIGNATURE APPROVAL OF THE FINAL PLAT, THE DEVELOPER WILL BE REQUIRED TO EXECUTE THE DECLARATION OF COVENANT AND/OR A DEVELOPERS AGREEMENT FOR THE CONSTRUCTION OF THE STORMWATER MANAGEMENT PRACTICES AND A MAINTENANCE AGREEMENT. THE HOUSES ARE BEING TREATED BY DRYWELLS FOR THE 100-YEAR STORM AND FOR THE 2016 STORM LOCATED WITHIN THE LARGER PIPE INSIDE PROPOSED DRYWELLS.

29. APPROVAL OF A SITE DEVELOPMENT PLAN IS REQUIRED FOR THE DEVELOPMENT OF ALL RESIDENTIAL LOTS WITHIN THIS SUBDIVISION PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS FOR NEW HOUSE CONSTRUCTION IN ACCORDANCE WITH SECTION 16.155 OF THE

SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. 30. THE FOREST CONSERVATION OBLIGATION FOR THIS SUBDIVISION WAS PROVIDED UNDER F-14-045, PLAT NUMBER 25769 RECORDED ON JULY 21, 2021, WITH A FEE-IN-LIEU PAYMENT OF \$17,968.50 BASED ON 0.33 ACRES X 43,560 SQ. FT. X \$0.75 WITH GOINS PROPERTY, LOT 1

AND NON-BUILDABLE BULK PARCEL 'A', F-14-045. 31. IF ANY WELL OR SEPTIC SYSTEMS ARE FOUND DURING CONSTRUCTION THEY MUST BE PROPERLY

ABANDONED WITH DOCUMENTATION SENT TO THE HEALTH DEPARTMENT. 32. THIS PROPERTY IS LOCATED IN THE PLUMTREE BRANCH WATERSHED AND IS SUBJECT TO ADDITIONAL PEAK JORMWATER MANAGEMENT FOR ANY PROPOSED DEVELOPMENT

33. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.

34. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING, CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST (5) WORKING DAYS PRIOR

O THE START OF WORK. 35. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH TWO FOOT CONTOUR

INTERVALS PREPARED BY FISHER, COLLINS & CARTER ON OR ABOUT DECEMBER, 2019 BY FISHER, COLLINS AND CARTER, INC. 36. EXISTING UTILITIES ARE BASED ON MISS UTILITY MARKINGS, FIELD LOCATIONS AND AVAILABLE

37. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE CONTRACTOR'S

36. SHC ELEVATIONS SHOWN ARE LOCATED AT THE PROPERTY LINE.
39. DMV2-22-011 WAIVER NOTE: IN ACCORDANCE WITH THE CONDITIONS OF A DESIGN MANUAL

WAIVER, APPROVED ON JANUARY 7, 2021 (DMV2 SECTION 4.3.8.3.b WHICH REQUIRES THE GRAVITY SEWER SERVICE TO BE PROVIDED TO THE BASEMENT OR LOWEST LEVEL OF ALL BUILDINGS) PLEASE NOTE THAT LOTS 2, 3, AND 4 ARE NOT SERVICED BY GRAVITY SEWER.

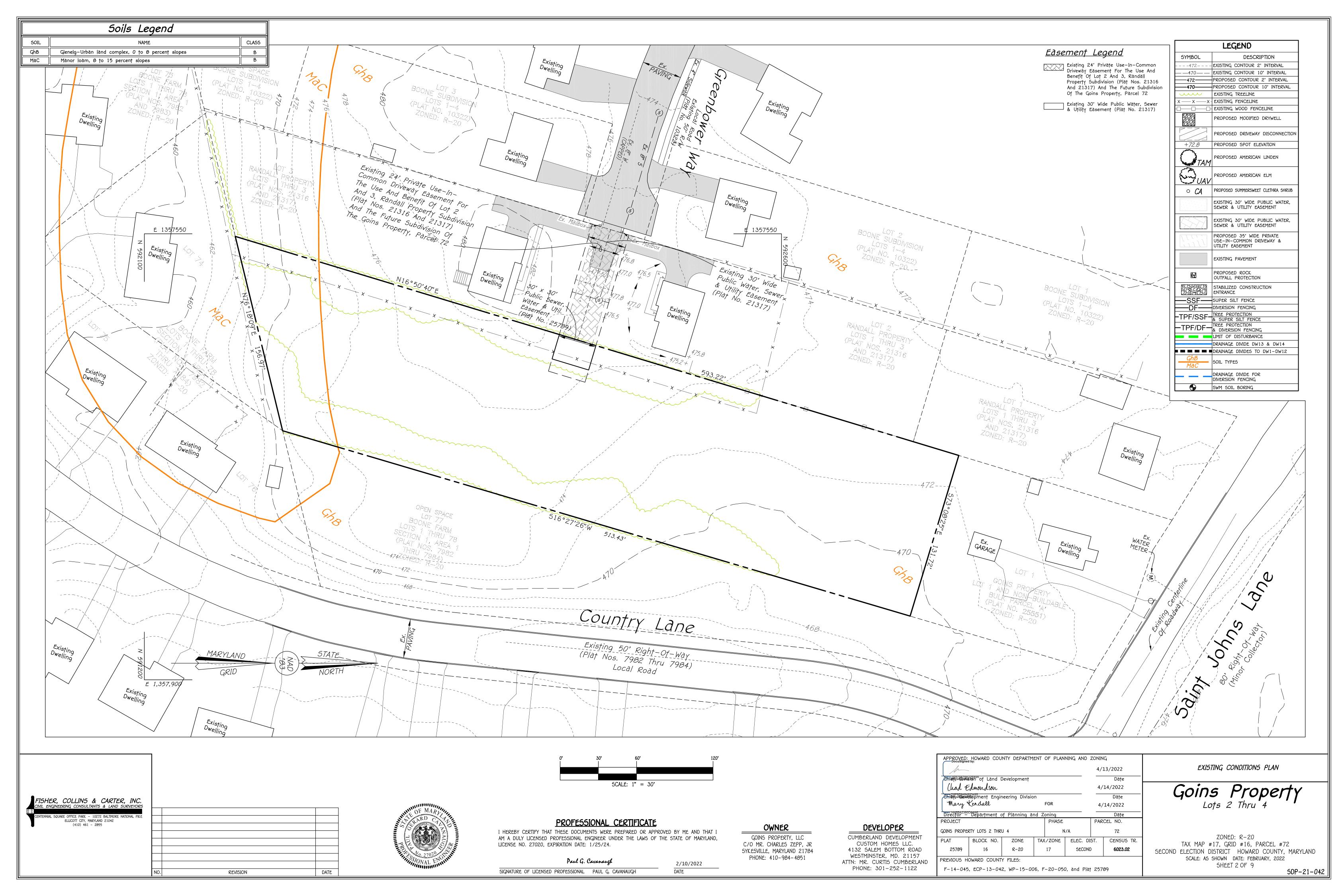
			5CALE: 1" =	30'		LC	OT NUMBER STREET ADDRESS
							2 2824 GREENBOWER WAY
	•						3 2826 GREENBOWER WAY
							4 2828 GREENBOWER WAY
FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 88			OF MARKA				No manage
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855			S G RARD CG	PROFESSIONAL CERTIFICATE I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVE	D BY ME AND THAT I ==	OWNER	DEVELOPER
	2 REV MODELS SENSCA 1,11, AND GENERIC BOX	JULY 2022		AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE LICENSE NO. 27020, EXPIRATION DATE: 1/25/24.	C/	GOINS PROPERTY, LLC /O MR. CHARLES ZEPP, JR	CUMBERLAND DEVELOPMENT CUSTOM HOMES LLC. 4132 SALEM BOTTOM ROAD
	I ADDED HOUSE MODELS SENECL I, I, SEVERN AND GENERIC	5/2012	SONAL ENGLISH	Paul G. Cavanaugh		KESVILLE, MARYLAND 21784 PHONE: 410-984-4851	WESTMINSTER, MD. 21157 ATTN: MR. CURTIS CUMBERLAND
	NO. REVISION	DATE	"William"	SIGNATURE OF LICENSED PROFESSIONAL PAUL G. CAVANAUGH	DATE		PHONE: 301-252-1122

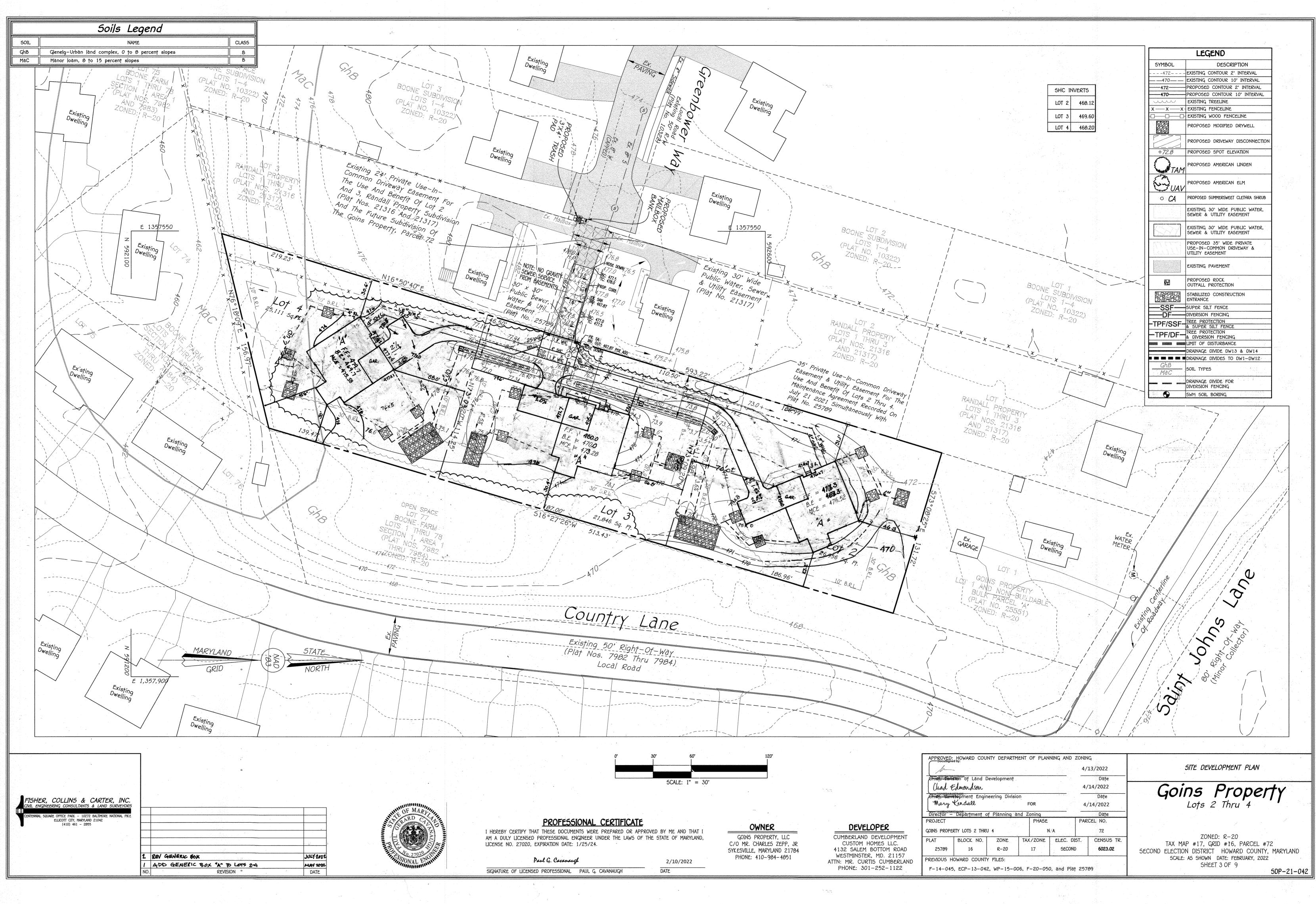
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING ADDRESS CHART STREET ADDRESS 4/13/2022 Chiefysipher son of Land Development 824 GREENBOWER WAY Chad Edmondson 826 GREENBOWER WAY 4/14/2022 128 GREENBOWER WAY Cherus de veropment Engineering Division Date Mary Kendall 4/14/2022 Director - Department of Planning and Zoning PARCEL NO. EVELOPER GOINS PROPERTY LOTS 2 THRU 4 AND DEVELOPMENT BLOCK NO. ZONE TAX/ZONE | ELEC. DIST. CENSUS TR. OM HOMES LLC. LEM BOTTOM ROAD R-20 **SECOND** 6023.02 STER, MD. 21157 PREVIOUS HOWARD COUNTY FILES: CURTIS CUMBERLAND F-14-045, ECP-13-042, WP-15-006, F-20-050, and Plat 25789

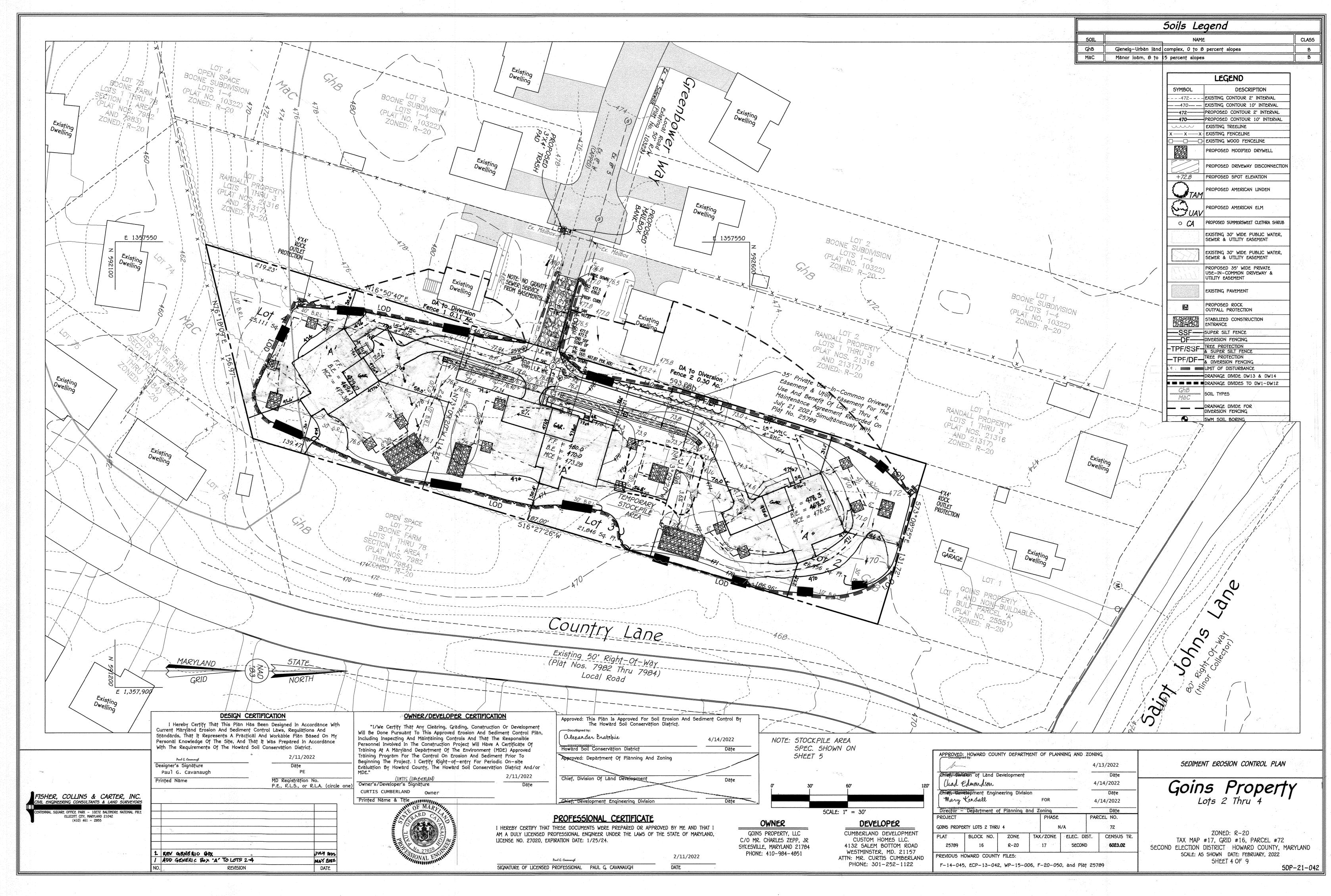
TITLE SHEET

ZONED: R-20 TAX MAP #17, GRID #16, PARCEL #72 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: FEBRUARY, 2022 SHEET 1 OF 9

5DP-21-042







SOIL PREPARATION. TOPSOILING AND SOIL AMENDMENTS (B-4-2)

A. Soil Preparation

Temporary Stabilization

contour of the slope.

a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the

b. Apply fertilizer and lime as prescribed on the plans.

c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable 2.ean Permanent Stabilization

a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:

Soil pH between 6.0 and 7.0.

v. Soil contains 1.5 percent minimum organic matter by weight.

v. Soil contains sufficient pore space to permit adequate root penetration

. Soluble salts less than 500 parts per million (ppm). iii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay) would be acceptable.

b. Application of amendments or topsoil is required if on—site soils do not meet the above conditions.

c. Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches.

d. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test. e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas

to smooth the surface, remove large objects like stones and branches, and ready the area for seed application Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seedbed preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas. B. Topsoiling

6. Topsoil Application

1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH. materials toxic to plants, and/or unacceptable soil gradation. 2. Topsoil salvaged from an existing site may be used provided 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

3. Topsoiling 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

c. The original soil to be vegetated contains material toxic to plant growth

representative soil profile section in the Soil Survey published by USDA-NRCS.

d. The soil is so acidic that treatment with limestone is not feasible

4. Areas having slopes steeper than 2:1 require special consideration and design.

5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria:

à. Topsoil must be à loàm, sàndy loàm, clày loàm, silt loàm, sàndy clày loàm, or loàmy sànd. Other soils mày be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2 inches in diameter.

b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or others as specified.

c. 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.

a. Erosion and sediment control practices must be maintained when applying topsoil.

b. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches Spreading is to 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 must be corrected in order to prevent the formation of depressions or water pockets.

c. Topsoil must not be placed if 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

C. Soil Amendments (Fertilizer and Lime Specifications) l. Soil tests must be performed to determine the exàct ràtios and application rates for both lime and fertilizer

on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical . Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriati

equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority Fertilizers must all be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.

hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 90 to 100 4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by

3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when

disking or other suitable means.

5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. TEMPORARY SEEDING NOTES (B-4-4)

To stabilize disturbed soils with vegetation for up to 6 months.

To use fast growing vegetation that provides cover on disturbed soils

Conditions Where Practice Applies

Exposed soils where ground cover is needed for a period of 6 months or less. For longer

duration of time, permanent stabilization practices are required.

. Select one or more of the species or seed mixtures listed in Table B.1 for the appropriate Plant Hardiness Zone (from Figure B.3), and enter them in the Tempora

Seeding Summary below along with application rates, seeding dates and seeding depths. this Summary is not put on the plan and completed, then Table B.1 plus fertilizer and lime rates must be put on the plan. 2. For sites having soil tests performed, use and show the recommended rates by the testing agency. Soil tests are not required for Temporary Seeding.

3. When stabilization is required outside of a seeding season, apply seed and mulch or straw mulch alone as prescribed in Section B-4-3.A.1.b and maintain until the next seeding

|Hardiness Zone (from Figure B.3): ____6b__ Fertilizer Rate Lime Rate |Seed Mixture (from Table B.1): (10-20-20)Species Application Rate Seeding (lb/ac) Dates BARLEY (10 lb/ OAT5 72 1000 sf) 1000 sf) 112 RYE

PERMANENT SEEDING NOTES (B-4-5)

A. Seed Mixtures General Use

a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be

b. Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting

c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency. d. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary

2. Turfgrāss Mixtures

a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance

b. Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The summary is to be placed on the plan.

i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.

Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where rapid stablishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.

iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes; Certified Tall Fescue Cultivars 95 to 100 percent. Certified Kentucky Bluegrass Cultivars 0 to 5 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended

iv. Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass lawns. For establishment in high quality, intensively managed turf area. Mixture includes; Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1 1/2 to 3 pounds per 1000 saudre feet.

Select turgarass varieties from those listed in the most current University of Maryland Publication, Agronomy Memo #77, "Turfgrass Cultivar Recommendations for Maryland"

Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line

Ideal Times of Seeding for Turf Grass Mixtures Western MD: March 15 to June 1, August 1 to October 1 (Hardiness Zones: 5b. 6a) Central MD: March 1 to May 15, August 15 to October 15 (Hardiness Zone: 6b) Southern MD, Eastern Shore: March 1 to May 15, August 15 to October 15

d. Till areas to receive seed by disking or other approved methods to a depth of 2 to 4 inches, level and rake the areas to prepare a proper seedbed. Remove stones and debris over 1 1/2 inches in diameter. The resulting seedbed must be in such condition that future mowing of grasses will pose no

e. If soil moisture is deficient, supply new seedings with adequate water for plant growth (1/2 to 1 inch

every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on adverse

Permanent Seeding Summary

Hardiness Zone (from Figure B.3):6b Seed Mixture (from Table B.3):8				Fertilizer Rate (10-20-20)			Lime Rate	
No.	Species	Application Rate (lb/ac)	Seeding Dațes	Seeding Depths	N	P ₂ O ₅	K ₂ 0	
8	TALL FESCUE	100	Mar. 1-May 15 Aug. 1-Oct. 15	1/4-1/2 in.	per acre	90 lb/ac (2 lb/	90 lb/ac (2 lb/	(90 lb/
					(1.0 lb/ 1000 sf)	1000 sf)	1000 sf)	1000 sf)

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

a.) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND

b.) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

STANDARDS AND SPECIFICATIONS STOCKPILE AREA

(B-4-8)

DESIGN CERTIFICATION

Current Maryland Erosion And Sediment Control Laws, Regulations And

With The Requirements Of The Howard Soil Conservation District.

REVISION

Standards, That It Represents A Practical And Workable Plan Based On My

Personal Knowledge Of The Site, And That It Was Prepared In Accordance

I Hereby Certify That This Plan Has Been Designed In Accordance With

The mound or pile of soil protected by appropriately designed erosion and sediment control measures.

To provide a designated location for the temporary storage of soil that controls the potential for erosion, edimentation, and changes to drainage patterns.

Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.

The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper tha 2:1. Benching must be provided in accordance with Section B-3 Land Grading

Runoff from the stockpile area must drain to a suitable sediment control practice. Access the stockpile area from the upgrade side. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an

earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated 6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control

practice must be used to intercept the discharge. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as

Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization. 8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The cockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

2/11/2022

P.E., R.L.S., or R.L.A. (circle one)

DATE

PE

MD Registration No

STANDARDS AND SPECIFICATIONS SEEDING AND MULCHING (B-4-3)

<u>Definition</u> The application of seed and mulch to establish vegetative cover

To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies To the surface of all perimeter controls, slopes, and any disturbed area not under active grading. <u>Criteria</u>

All seed must meet the requirement of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any project. Refer to Table B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector

to verify type of seed and seeding rate. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frozen. The appropriate seeding mixture must be applied when the ground thaws. Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inoculants must not be used

later than the date indicated on the container. Add fresh inoculants as directed on the package.

Use four times the recommended rate when hydroseeding. Note: It is very important to keetp

inoculant as cook as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less effective. d. Sod or seed must not be placed on soil which has been treated with soil sterilants or chemicals used for weedcontrol until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

a. Dry Seeding: This includes use of conventional drop or broadcast spreaders. Incorporate seed into the subsoil at the rates prescribed on Temporary Seeding Table B.1,

Permanent Seeding Table B.3. or site-specific seeding summaries. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with weighted roller to provide good seed to soil

b. Drill or Cultipacker Seedina: Mechanized seeders that apply and cover seed with soil. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction.

c. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer). i. If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P 0 (phosphorus), 200 pounds per acre; K 0 (potassium), 200 pounds per acre.

Lime: Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding. Mix seed and fertilizer on site and seed immediately and without interruption. When hydroseeding do not incorporate seed into the soil.

1. Mulch Materials (in order of preference)

Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious weed seeds as specified in the Maryland Seed Law and not musty, moldy, caked, decayed, or excessively dusty. Note: Use only sterile straw mulch in areas where one species of grass is desired.

Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into uniform fibrous physical state. WCFM is to be dyed green or contain a green dye in the package that will provide an ppropriate colot to facilitate visual inspection of the uniformly spread slurry. WCFM, including dye, must contain no germination or growth inhibiting factors. WCFM materials are to be manufactured and processed in such a manner that the wood

cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material must form a blotter—like ground cover, on application, having moisture absorption and percolation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings. WCFM material must not contain elements or compounds at concentration levels that will by

WCFM must conform to the following physical requirements: fiber length of approximately 10 illimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, ash content of 1.6 percent maximum and water holding capacity of 90 percent minimum. Apply mulch to all seeded areas immediately after seeding.

When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the application rate to 2.5 tons per acre. Wood cellulose fiber used as mulch must be applied to a net dry weight of 1500 pounds per

acre. Mix the wood cellulose fiber with water to attain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon

the size of the area and erosion hazard: A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should follow the contour. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water. Synthetic binders such as Acrylic DLR (Agro—Tack), DCA—70, Petroset, Terra Tax II, Terra

Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. Use of asphalt binders is strictly prohibited. iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations. Netting is usually available in rolls 4—15 feet wide and 300 to 3,000

SEQUENCE OF CONTSRUCTION

1. OBTAIN GRADING PERMITS. (2 WEEKS)

2/11/2022

2. NOTIFY "MISS UTILITY" AT LEAST 40 HOURS BEFORE ANY WORK AT 1-000-257-7777. NOTIFY HOWARD OUNTY OFFICE OF CONSTRUCTION/INSPECTION DIVISION AT 410-313-1870 AT LEAST 24-HOURS

3. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE & PERIMETER SUPER SILT FENCE AND DIVERSION FENCING AS SHOWN ON THE PLANS. CLEAR AND GRUB SITE. (3 DAYS)

4. GRADE SITE TO MASS GRADING CONTOURS FOR THE PRIVATE DRIVEWAY AND BUILDING PADS. OBTAIN PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR BEFORE PROCEEDING. (1 WEEK) 5. INSTALL THE PROPOSED SEWER AND WATER HOUSE CONNECTIONS. (3 DAYS)

6. UPON PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR TO PROCEED, INSTALL PRIVATE USE-IN-COMMON DRIVEWAY. (1 WEEK) 7. CONSTRUCT PROPOSED HOUSES ALONG WITH THE MODIFIED DRYWELLS. (8 MONTHS)

8. WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, ONCE THE CONTRIBUTING DRAINAGE AREA TO THE PERIMETER SUPER SILT FENCE IS STABILIZED, THE SUPER SILT FENCE CAN BE REMOVED. (1 WEEK) STABILIZE ALL REMAINING AREAS DISTURBED AREAS ONSITE WITH PERMANENT SEEDING OR OPTIONAL SODDING. (2 DAYS)

10. STANDARD NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE INSPECTOR IN REGARDS TO THE REQUIREMENT THAT NO MORE THAN 20-ACRES OF "OPEN" GROUND SHALL BE DISTURBED AT ANY GIVEN TIME, IF REQUIRED. THIS PLAN AND ASSOCIATED L.O.D. IS LESS THAN 20-AC. IN SIZE. 11. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON ALL SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS.

B-4-1 STANDARDS AND SPECIFICATIONS FOR INCREMENTAL STABILIZATION

Definition

Establishment of vegetative cover on cut and fill slopes Purpose To provide timely vegetative cover on cut and fill slopes as work progresses

Conditions Where Practice Applies Any cut or fill slope greater than 15 feet in height. This practice also applies to stockpiles

A. Incremental Stabilization - Cut Slopes . Excavate and stabilize cut slopes in increments not to exceed 15 feet in height. Prepare seedbed and apply seed and mulch on all cut slopes as the work progresses. Construction sequence example (Refer to Figure B.1 a. Construct and stabilize all temporary swales or dikes that will be used to convey runoff around

. Perform Phase 1 excavation, prepare seedbed, and stabilize c. Perform Phase 2 excavation, prepare seedbed, and stabilize. Overseed Phase 1 areas as d. Perform final phase excavation, prepare seedbed, and stabilize. Overseed previously seeded

Note: Once excavation has begun the operation should be continuous from grubbing through the completion of grading and placement of topsoil (if required) and permanent seed and mulch. Any nterruptions in the operation or completing the operation out of the seeding season will necessitate

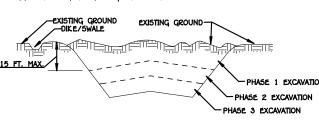


Figure B.1: Incremental Stabilization - Cut

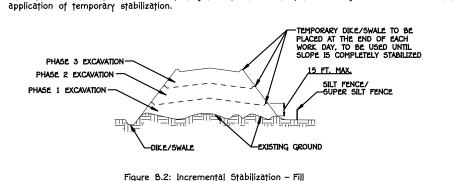
B. Incremental Stabilization — Fill Slopes . Construct and stabilize fill slopes in increments not to exceed 15 feet in height. Prepare seedbed and apply seed and mulch on all slopes as the work progresses.

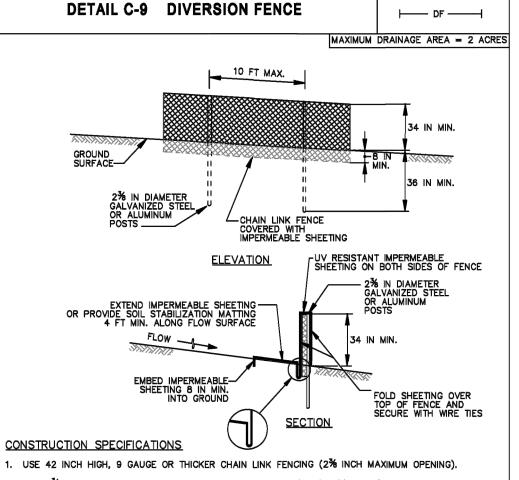
2. Stabilize slopes immediately when the vertical height of a lift reaches 15 feet, or when the grading operation ceases as prescribed in the plans. 3. At the end of each day, install temporary water conveyance practice(s), as necessary, to intercept surface runoff and convey it down the slope in a non-erosive manner.

Construction sequence example (Refer to Figure B.2): a. Construct and stabilize all temporary swales or dikes that will be used to divert runoff around the fill. Construct silt fence on low side of fill unless other methods shown on the plans address b. At the end of each day, install temporary water conveyance practice(s), as necessary, to

ntercept surface runoff and convey it down the slope in a non-erosive manner. c. Place Phase 1 fill, prepare seedbed, and stabilize d. Place Phase 2 fill, prepare seedbed, and stabilize. e. Place final phase fill, prepare seedbed, and stabilize. Overseed previously seeded areas as

Note: Once the placement of fill has begun the operation should be continuous from grubbing through the completion of grading and placement of topsoil (if required) and permanent seed and mulch. Any interruptions in the operation or completing the operation out of the seeding season will necessitate the





USE 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE

. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.

SECURE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND BELOW GROUND SURFACE. EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURFACE AND EMBED END A MINIMUM OF 8 INCHES INTO GROUND. SOIL STABILIZATION MATTING MAY BE USED IN LIEU OF IMPERMEABLE SHEETING ALONG FLOW SURFACE.

WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNGRADE.

KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

Approved: This Plan Is Approved For Soil Erosion And Sediment Control By NOTE: FOR SUPER SILT FENCE The Howard Soil Conservation District. TREE PROTECTION FENCE DETAIL, SEE SHEET 9 OF 9 Olexander Bratchie 4/14/2022 Howard Soil Conservation District Date Approved: Department Of Planning And Zoning Chief, Division Of Land Development Date Chief, Development Engineering Division

2/11/2022

PROFESSIONAL CERTIFICATE

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27020, EXPIRATION DATE: 1/25/24.

Paul G. Cavanauch SIGNATURE OF LICENSED PROFESSIONAL PAUL G. CAVANAUGH

OWNER

GOINS PROPERTY, LLC C/O MR. CHARLES ZEPP, JR SYKESVILLE, MARYLAND 21784 PHONE: 410-984-4851

DEVELOPER

CUMBERLAND DEVELOPMENT CUSTOM HOMES LLC. 4132 SALEM BOTTOM ROAD WESTMINSTER, MD. 21157 ATTN: MR. CURTIS CUMBERLAND PHONE: 301-252-1122

MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION

HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

1. A pre-construction meeting must occur with the Howard County Department of Public Works. Construction Inspection Division (CID), 410-313-1055 after the future LOD and protected areas are marked clearly in the field. A minimum of 40 hour notice to CID must be given at the following stages: a. Prior to the start of earth

b. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading, c. Prior to the start of another phase of construction or opening of another grading unit, d. Prior to

the removal or modification of sediment control practices Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made. Other related state and federal permits shall be referenced, to ensure coordination and to avoid conflicts with this plan.

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.

three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and

3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within

all slopes steeper than 3 horizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for those areas under active grading. 4. All disturbed areas must be stabilized within the time period specified above in accordance with the 201 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for topsoil (Sec. B-4-2), permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) and mulching (Sec. B-4-3). Temporary stabilization with mulch alone can only be applied between the fall and spring seeding dates if the ground is frozen. Incremental stabilization (Sec. B-4-1) specifications shall be enforced in areas with >15' of cut and/or fill. Stockpiles (Sec. B—4—8) in excess of 20 ft. must be benched with stable outlet. All concentrated flow, steep slope, and highly erodible areas shall receive soil stabilization matting (Sec. B-4-6). 5. 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 CID. 6. Site Analysis:

Total Area of Site: ____1.70___ Acres ____1.42____ Acres Area Disturbed: Area to be roofed or paved: _____0.26__ Acres Area to be vegetatively stabilized: ____1.16__ Acres Total Cut: <u>645</u> Cu. Yds. _645____ Cu. Yds. Total Fill: _0____ LF. Silt Fence: Super Silt Fence: 726.64 LF.

Quantities provided are for the reviewing agency only.

Contractor is responsible for performing construction take-offs. 7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance 8. Additional sediment control must be provided, if deemed necessary by the CID. The site and all controls shall be inspected by the contractor weekly; and the next day after each rain event. A written report by the

Inspection date

Identification of sediment controls that require maintenance

contractor, made available upon request, is part of every inspection and should include:

 Inspection type (routine, pre-storm event, during rain event)
 Name and title of inspector
 Weather information (current conditions as well as time and amount of last recorded precipitation) Brief descripțion of project's status (e.g., percent complete) and/or current acțiviție
 Evidence of sediment discharges
 Idențificațion of plan deficiencies

Identification of missing or improperly installed sediment controls
 Compliance status regarding the sequence of construction and stabilization requirements

Monitoring/sampling
Maintenance and/or corrective action performed • Other inspection items as required by the General Permit for Stormwater Associated with Construction Activities (NPDES, MDE). 9. Trenches for the construction of utilities is limited to three pipe lengths or that which can and shall be

back—filled and stabilized by the end of each workday, whichever is short 10. Any major changes or revisions to the plan or sequence of construction must be reviewed and approved by e HSCD prior to proceeding with construction. Minor revisions may allowed by the CID per the list of H5CD-approved field changes 11. Disturbance shall not occur outside the L.O.D. A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 ac. per grading unit) at a time. Work may proceed to a

subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been

stabilized and approved by the H5CD. Unless otherwise specified and approved by the H5CD, no more than 30

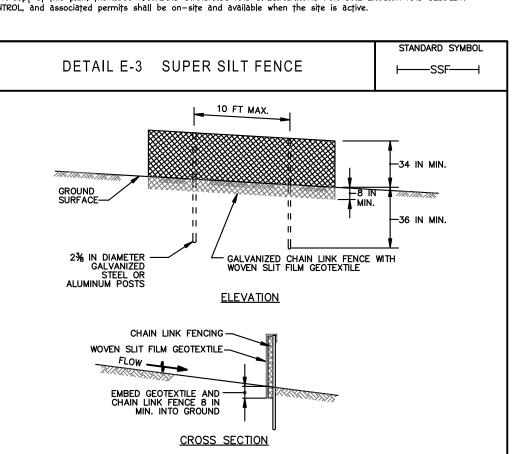
acres cumulatively may be disturbed at a given time. 12. Wash water from any equipment, vehicles, wheels, pavement, and other sources must be treated in a sediment basin or other approved washout structure. 13. Topsoil shall be stockpiled and preserved on-site for redistribution onto final grade 14. All Silt Fence and Super Silt Fence shall be placed on—the—contour, and be imbricated at 25' minimum intervals, with lower ends curled uphill by 2' in elevation

 Use I and IP March 1 - June 15 • Use III and IIIP October 1 - April 30 Use IV March 1 - May 31

STANDARD SYMBOL

16. A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and associated permits shall be on-site and available when the site is active.

15. Stream channels must not be disturbed during the following restricted time periods



PLAT

PREVIOUS HOWARD COUNTY FILES

F-14-045, ECP-13-042, WP-15-006, F-20-050, and Plat 25789

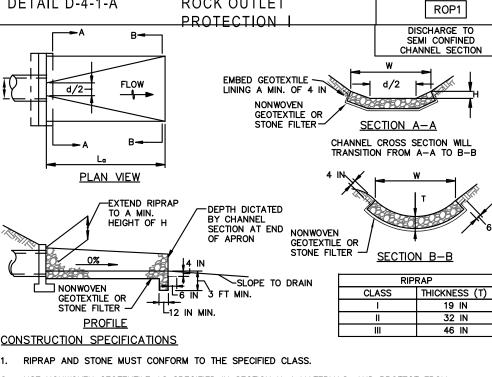
CONSTRUCTION SPECIFICATIONS INSTALL 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.

2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.

FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.

EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMEN WATER MANAGEMENT ADMINISTRATION



ROCK OUTLET

STANDARD SYMBOL

USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM

DETAIL D-4-1-A

MINIMUM OF 18 INCHES.

PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (% TO 11/2 INCH STONE FOR 6 INCH

MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES

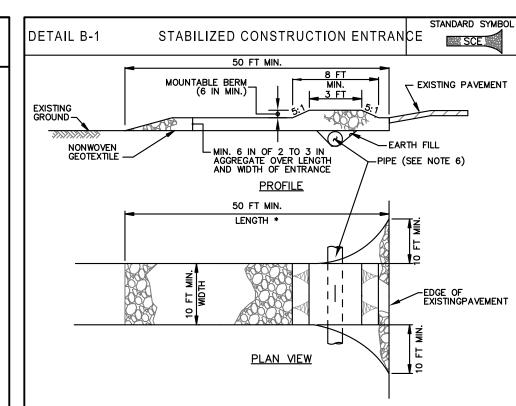
AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE STONE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY. WHERE NO ENDWALL IS USED. CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS

CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER

DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A

CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIPRAP. MAKE

NECESSARY REPAIRS IMMEDIATELY. MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE



CONSTRUCTION SPECIFICATIONS

LOCATED AT A HIGH SPOT.

PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT

PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.

MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

APBRONGO BUHOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING SEDIMENT EROSION CONTROL 4/13/2022 NOTES AND DETAILS Chief Division of Land Development Date (had Edmondson 4/14/2022 Date Mary Kendall 4/14/2022 Director — Department of Planning and Zoning Date PARCEL NO. PROJEC PHASE GOINS PROPERTY LOTS 2 THRU 4 BLOCK NO. ZONE TAX/ZONE | ELEC. DIST. CENSUS TR. R-20 SECOND 6023.02

ZONED: R-20 TAX MAP #17, GRID #16, PARCEL #72 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: FEBRUARY, 2022

SHEET 5 OF 9

5DP-21-042

ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855

FISHER, COLLINS & CARTER, INC.

Paul G. Cavanaugh

Paul G. Cavanaugh

Designer's Signature

Printed Name

Owner's/Developer's Signature

CURTIS CUMBERLAND Owner

Printed Name &

OWNER/DEVELOPER CERTIFICATION

"I/We Certify That Any Clearing, Grading, Construction Or Development

Will Be Done Pursuant To This Approved Erosion And Sediment Control Plan,

Including Inspecting And Maintaining Controls And That The Responsible

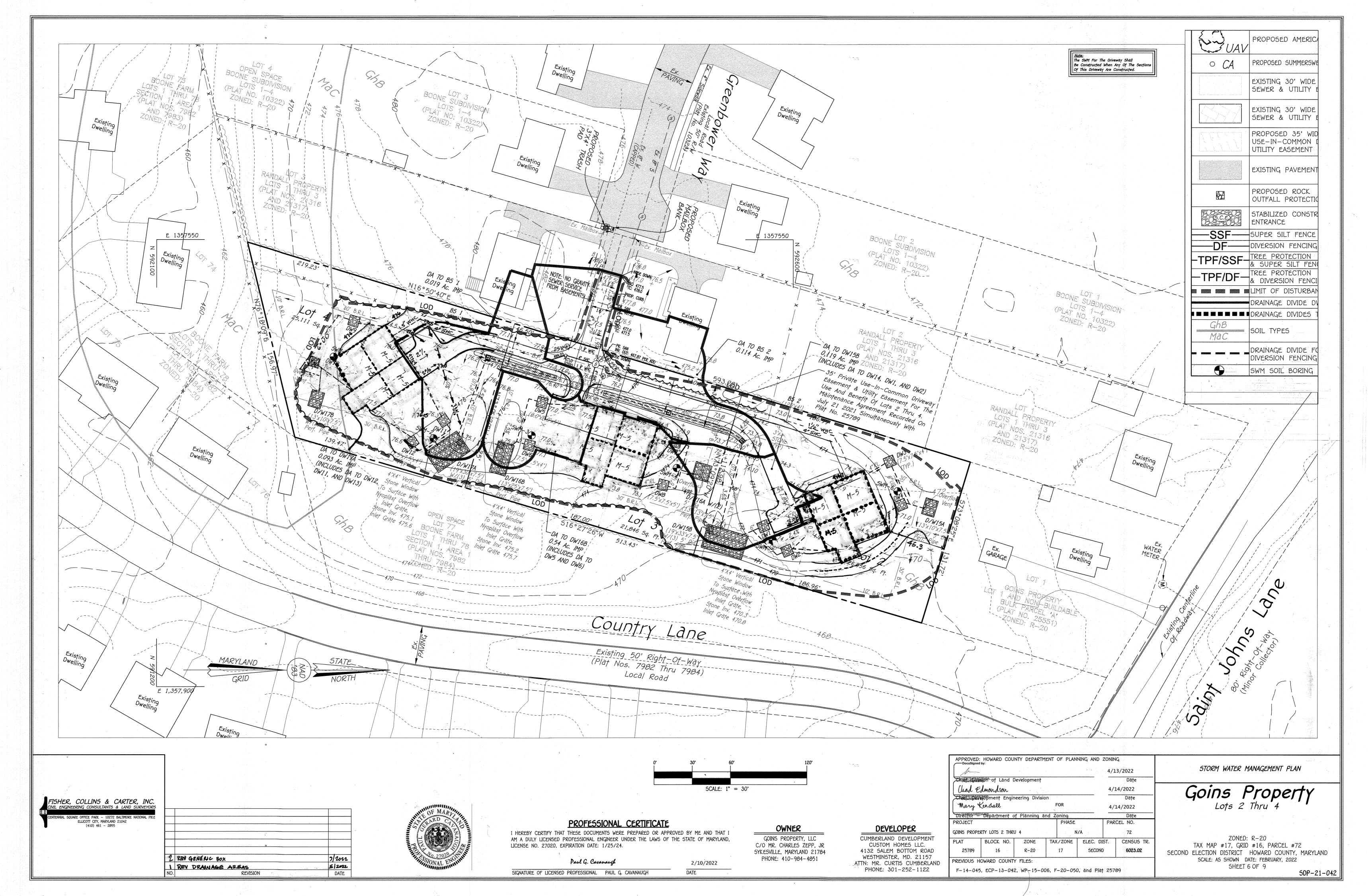
Personnel Involved In The Construction Project Will Have A Certificate Of

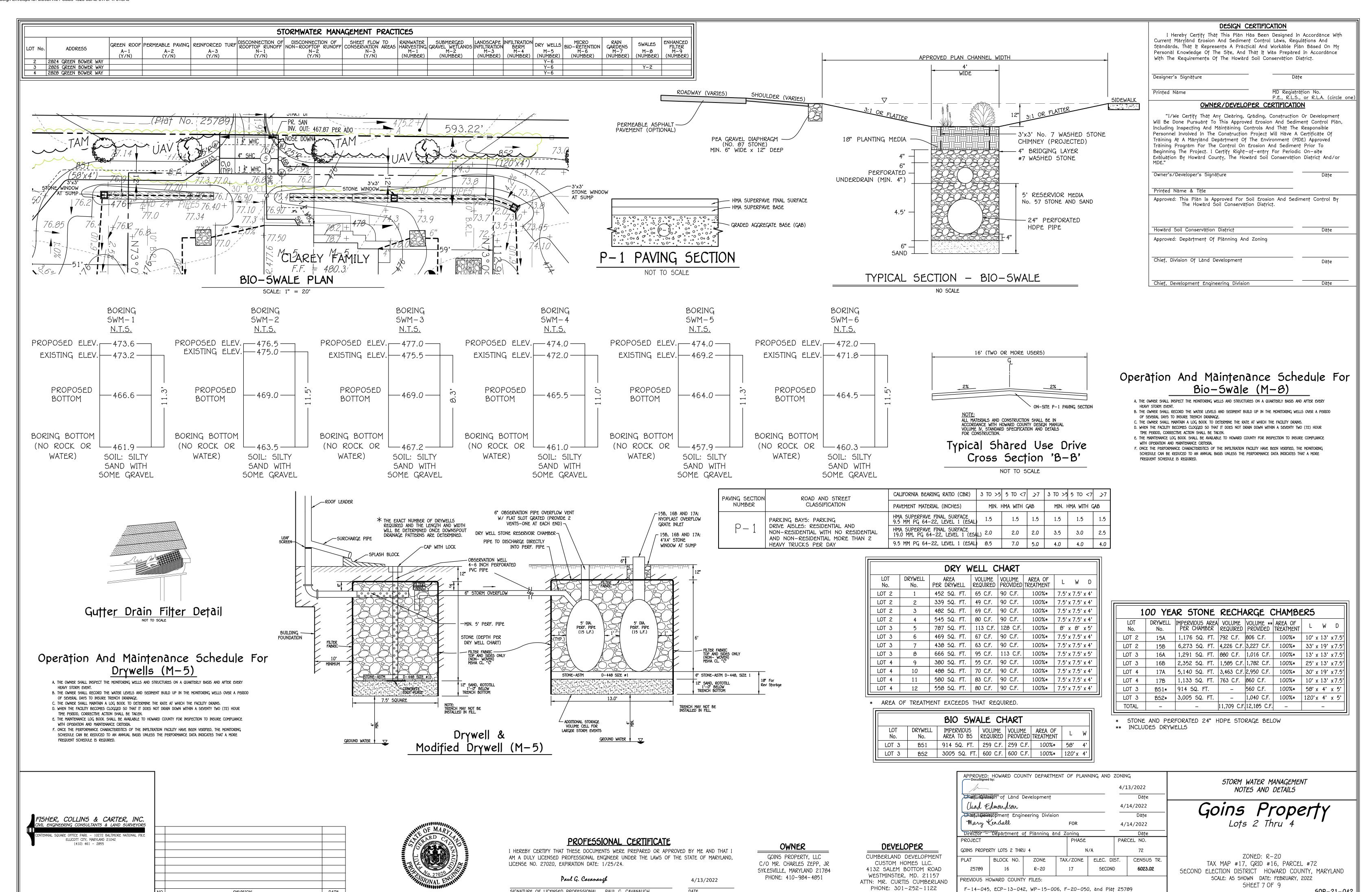
Training At A Maryland Department Of The Environment (MDE) Approved

Evaluation By Howard County, The Howard Soil Conservation District And/or

Training Program For The Control On Erosion And Sediment Prior To

Beginning The Project. I Certify Right-of-entry For Periodic On-site



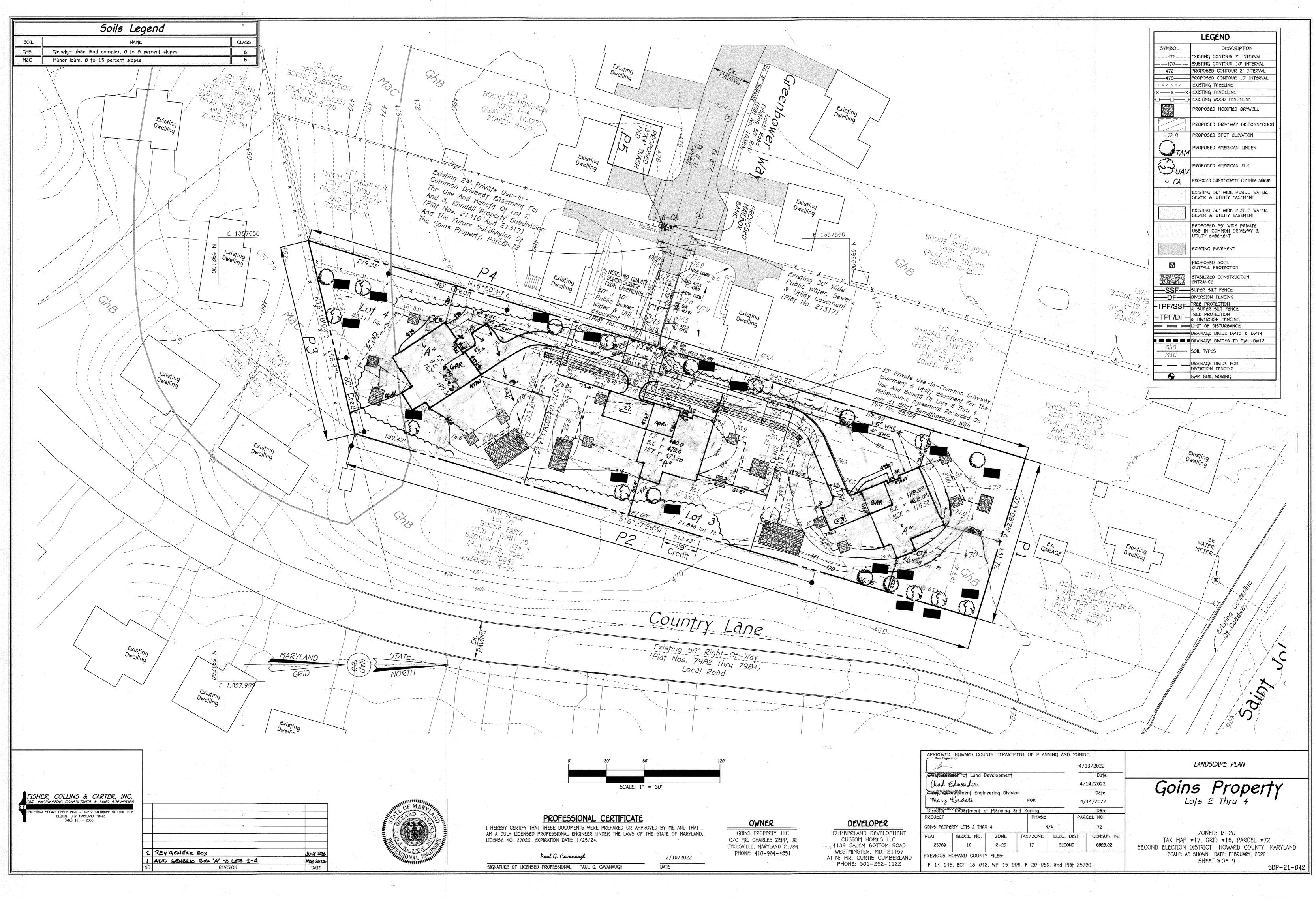


SIGNATURE OF LICENSED PROFESSIONAL PAUL G. CAVANAUGH

DATE

REVISION

5DP-21-042



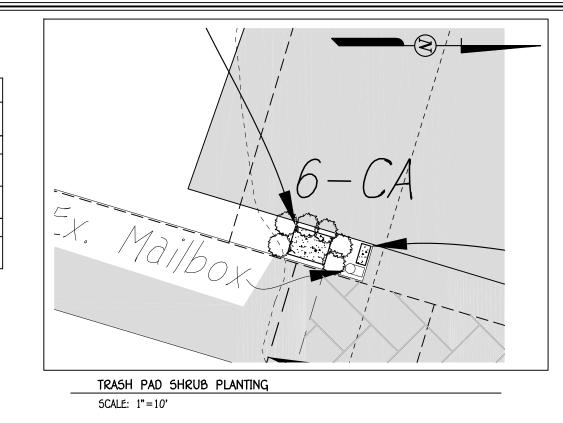
	SCHEDULE A	DECIMETEC LANGE	CAPING CHAPT				
SCHEDULE A PERIMETER LANDSCAPING CHART							
PERIMETER	P1	P2	P3	P4	P5		
CATEGORY	SFD Adjacent To SFD	SFD Adjacent to Open Space	SFD Adjacent To SFD	SFD Adjacent To SFD	Trash Pad	Totals	
LANDSCAPE TYPE	N/A	A	A	A	D		
LINEAR FEET OF PERIMETER	131.72'	513.43'	156.97'	593.22'	14.00'		
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	YE5 (20')	YE5 (60')	YE5 (98')	NO		
CREDIT FOR WALL, FENCE OR BERM (YE5, NO, LINEAR FEET) (DESCRIBE IF NEEDED)	NO	NO	NO	NO			
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	=	Ø - -	2 - -	Ø - -	<u> </u>		
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)		ø - - -	2 - - -	ø - - -	0 - - 6	10	

NOTE: P-1 DOES NOT REQUIRE LANDSCAPE SINCE THE ADJACENT LOT 1 WAS PART OF THE ORIGINAL PROPERTY.

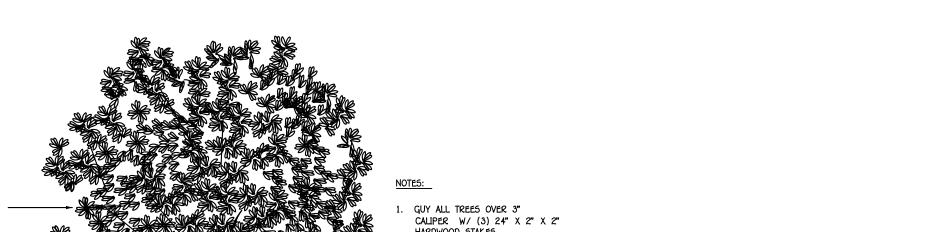
		CAPING PLANT LIST BOTANICAL NAME		Ī	
QTY.	KEY	COMMON NAME	SIZE	CONT.	REMARKS
TREES -	DECIDUOUS	SHADE (18)			•
8	TAM	Tilia americana 'Redmond'	2-1/2" cal. min.	В & В	
		American Linden			
10	UAV	Ulmus americana 'Valley Forge'	2-1/2" cal. min.	В & В	
		American Elm			
SHRUBS (6)				
6	CA	Clethra alnifolia	2.5'-3' ht. Co	ont.	24" O.C.

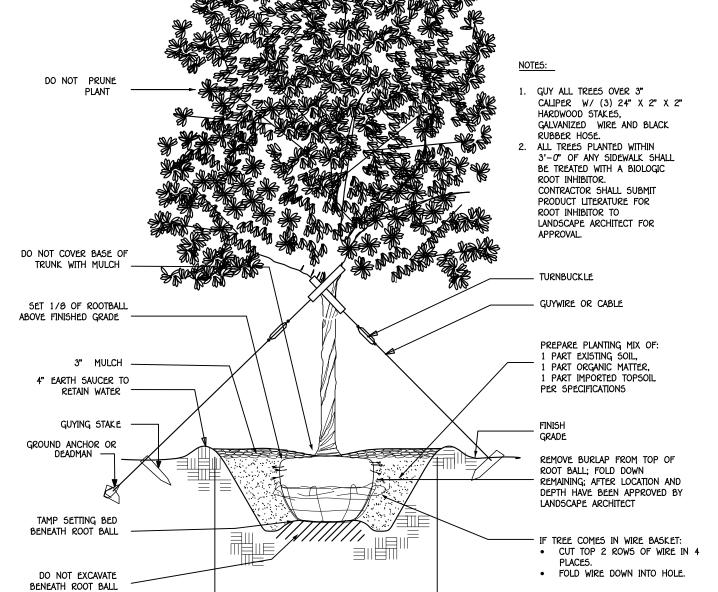
NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING TREES (18 SHADE AND 6 SHRUBS) SHALL BE POSTED AS PART OF THE BUILDER'S GRADING PERMIT IN THE AMOUNT OF \$5,580.00.

Summer Sweet Clethra



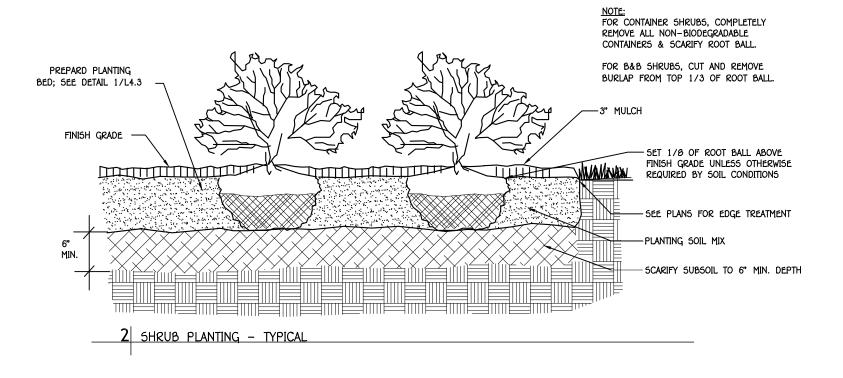
5CALE: 1" = 10"





2 X WIDTH OF ROOTBALL

3 DECIDUOUS TREE PLANTING - TYPICAL

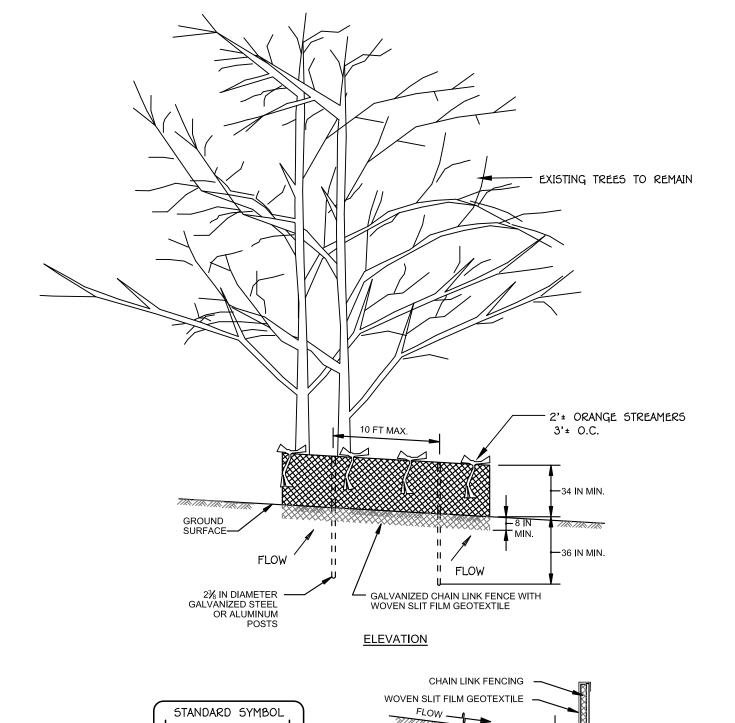


PLANTING SPECIFICATIONS

- 1. CLEAR & GRUB ALL PLANTING AREAS AS INDICATED ON THE DRAWINGS. 2. PROVIDE PROTECTION FOR TREES, SHRUBS, AND PERENNIALS/GROUND COVERS THAT ARE TO BE PRESERVED.
- 3. CONTRACTOR SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO INSTALLATION OF ANY PLANT
- 4. ALL PLANTING SHALL BE DONE AS PER PLANTING DETAILS AND SPECIFICATIONS.
- 5. NO CHANGES SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER OR LANDSCAPE ARCHITECT. 6. PRIOR TO CONSTRUCTION OF PLANTING BEDS, THE CONTRACTOR SHALL STAKE OUT PLANTING BED LINES IN THE FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT SHALL MAKE ADJUSTMENTS IN THE FIELD AS NECESSARY. ALL FINAL PLANTING BED LOCATIONS ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT. FOR LAYOUT REVIEW, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF
- 7. INSTALL ALL REQUIRED PLANTING AND LAWN SOILS AS PER DETAILS AND SPECIFICATIONS, AND ALL SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE PLANTED IN PLANTING BEDS PREPARED AS REQUIRED BY THE DETAILS AND SPECIFICATIONS.
- 9. MAINTAIN POSITIVE DRAINAGE OUT OF PLANTING BEDS AT A MINIMUM 2% SLOPE AND MAINTAIN POSITIVE DRAINAGE OF ALL LAWN AREAS, UNLESS OTHERWISE NOTED ON DRAWINGS. ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR ON SITE BEFORE CONSTRUCTION BEGINS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR OWNER.
- 9. ALL PLANT BEDS SHALL BE CONTAINED WITH A SPADED EDGE UNLESS OTHERWISE NOTED ON DRAWINGS. 10. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE DRAWINGS AND QUANTITIES SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE DRAWINGS SHALL APPLY. REPORT DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING.
- 11. ALL PLANTS SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION. 12. PLANTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. PRIOR TO PLANTING, THE CONTRACTOR SHALL STAKE OUT THE LOCATIONS OF ALL
- PLANTS IN THE FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT SHALL MAKE ADJUSTMENTS IN THE FIELD AS NECESSARY. ALL FINAL PLANT LOCATIONS ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT. FOR LAYOUT REVIEW, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF THREE DAYS IN ADVANCE. 13. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED OR SODDED; SEE PLAN FOR LOCATIONS.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND MAINTAINING ALL PLANTS DURING THE WARRANTY PERIOD; REFER TO SPECIFICATIONS.

Forest Conservation Worksheet

Version 1.0	
BASIC SITE DATA: A. TOTAL TRACT AREA= B. AREA WITHIN 100 YEAR FLOODPLAIN= C. NET TRACT AREA=	2.00 / 0 2.20 /
LAND USE CATEGORY: (from table 3.2.1, page40, Manual) ARA MDR IDA HDR MPD CIA x	
INFORMATION FOR CALCULATIONS: D. AFFORESTATION THRESHOLD	0.33
F. EXISTING FOREST COVER WITHIN NET TRACT AREA=	0
G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD:=	0
G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD:= 3REAK EVEN POINT: H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION= I. CLEARING PERMITTED WITHOUT MITIGATION=	
BREAK EVEN POINT: H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION= I. CLEARING PERMITTED WITHOUT MITIGATION= PROPOSED FOREST CLEARING:	
3REAK EVEN POINT: H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION= I. CLEARING PERMITTED WITHOUT MITIGATION=	
BREAK EVEN POINT: H. FOREST RETENTION ABOVE THRESHOLD WITH NO MITIGATION= I. CLEARING PERMITTED WITHOUT MITIGATION= PROPOSED FOREST CLEARING: J. TOTAL AREA OF FOREST TO BE CLEARED=	



CONSTRUCTION SPECIFICATIONS

1. INSTALL 2% INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES

EMBED GEOTEXTILE AND —— CHAIN LINK FENCE 8 IN MIN.

INTO GROUND

CROSS SECTION

- FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2% INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
- 3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF Ø INCHES INTO THE GROUND.
- WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
- 5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
- 6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

SUPER SILT FENCE, TREE PROTECTION FENCE

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 year guarantee of plant materials will be submitted to the Department of Planning and Zoning. 2/11/2022 FISHER, COLLINS & CARTER, INC. IVIL ENGINEERING CONSULTANTS & LAND SURVEYORS ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855

LANDSCAPE DEVELOPER'S CERTIFICATE

I/We certify that the landscaping shown on this plan will be done according to

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. 27020, EXPIRATION DATE: 1/25/24.

2/11/2022 Paul G. Cavanaugh DATE SIGNATURE OF LICENSED PROFESSIONAL PAUL G. CAVANAUGH

OWNER GOINS PROPERTY, LLC C/O MR. CHARLES ZEPP, JR SYKESVILLE, MARYLAND 21784

PHONE: 410-984-4851

DEVELOPER CUMBERLAND DEVELOPMENT CUSTOM HOMES LLC. 4132 SALEM BOTTOM ROAD

WESTMINSTER, MD. 21157 ATTN: MR. CURTIS CUMBERLAND PHONE: 301-252-1122

h	-				4/1	L3/2022		
Chief, Solvision of Land Development						Dațe		
Chad Edmondson						4/14/2022		
Chilegous 10 med	923495 eNopment Engir	neering Divisio	'n			Date		
Mary .	4/14/2022							
Director -	Department o	of Planning a	nd Zoning			Dațe		
PROJECT			PHASE		PAR	CEL NO.		
GOINS PROPE	RTY LOTS 2 THR	J 4	N	/A		72		
PLAT	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DI	5T.	CENSUS TR.		
25789	16	R-20	17	SECONO)	6023.02		

LANDSCAPE PLAN

NOTES AND DETAILS

ZONED: R-20 TAX MAP #17, GRID #16, PARCEL #72 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: FEBRUARY, 2022 SHEET 9 OF 9

5DP-21-042