GENERAL NOTES

1.) THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE

2.) THE SUBJECT PROPERTY IS ZONED R-SC-MXD-3 PER THE 10-6-2013 COMPREHENSIVE ZONING PLAN.

3.) THE BOUNDARY OF OPEN SPACE LOT 139 IS BASED ON RECORDED PLAT NO. 26023-26035. 4.) THE EXISTING TOPOGRAPHY SHOWN IS BASED ON MASS GRADING AS SHOWN ON APPROVED F-21-044 RÓAD CONSTRUCTION PLANS.

5.) THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 46FB AND 47AA WERE USED FOR THIS PROJECT.

6.) WATER IS PUBLIC. THE CONTRACT NUMBER IS 24-5137-D.

7.) SEWER IS PUBLIC. THE CONTRACT NUMBER IS 24-5137-D.

8.) THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT.

9.) EXISTING UTILITIES SHOWN ARE BASED ON APPROVED WATER/SEWER CONTRACT DRAWINGS, APPROVED ROAD CÓNSTRUCTION PLANS, AERIAL, AND FIELD SURVEYED LOCATIONS.

10.) THERE ARE NO WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS, 100-YEAR FLOODPLAIN OR 25% OR GRÉATER STEEP SLOPES THAT ARE AT LEAST 20,000 S.F. OF CONTIGUOUS AREA LOCATED ON THIS LOT. 11.) NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAMS, THEIR REQUIRED BUFFERS, FLOODPLAIN, OR FOREST CONSERVATION EASEMENTS LOCATED IN ADJACENT OPEN SPACE LOT 143.

12.) TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES OR HISTORIC STRUCTURES LOCATED ON THESE LOTS.

13.) STORMWATER MANAGEMENT FOR THIS LOT WAS PREVIOUSLY PROVIDED AND APPROVED UNDER F-21-044. STORMWATER MANAGEMENT IS PROVIDED VIA THE SUBMERGED GRAVEL WETLANDS #5 LOCATED WITHIN THIS OPEN SPACE LOT. THE FACILITY IS PRIVATELY OWNED AND JOINTLY MAINTAINED.

14.) LANDSCAPING IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL AND SHOWN ON THE CERTIFIED LANDSCAPE PLAN WITHIN THIS SITE DEVELOPMENT PLAN SET FINANCIAL SURETY IN THE AMOUNT OF \$3,510.00 FOR THE REQUIRED 9 SHADE TREES, 3 EVERGREEN TREES AND 12 SHRUBS SHALL BE PAID AS PART OF THE GRADING PERMIT.

15.) THE REQUIREMENT OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION FOR THESE LOTS WAS PROVIDED UNDER F-21-044. THE EASEMENTS WERE RECORDED UNDER F-21-044, RECORD

16.) THIS SUBDIVISION IS SUBJECT TO SECTION 18.122B OF THE HOWARD COUNTY CODE. PUBLIC WATER AND/OR SEWER SERVICE HAS BEEN GRANTED UNDER THE TERMS AND PROVISIONS, THEREOF, EFFECTIVE DECEMBER 22, 2021 ON WHICH DATE DEVELOPER AGREEMENT #F21044/24-5137-D WAS FILED AND ACCEPTED.

17.) THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS EFFECTIVE OCTOBER 6, 2013.

18.) ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE BUILDER'S EXPENSE.

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

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

21.) THE ARTICLES OF INCORPORATION FOR THE HOMEOWNERS ASSOCIATION WAS ACCEPTED BY THE STATE DEPARTMENT OF ASSESSMENT AND TAXATION ON 2-9-2021 ID# D21406426.

22.) A NOISE STUDY IS NOT REQUIRED. THIS PROJECT IS NOT WITHIN THE LIMITS IDENTIFIED IN SECTION

2.5.F2. OF THE DESIGN MANUAL FOR A NOISE STUDY.

23.) THE TRAFFIC IMPACT STUDY WAS PREPARED BY THE TRAFFIC GROUP, INC. ON JUNE 29, 2018 AND REVISED ON NOVEMBER 16, 2018 AND FEBRUARY 6, 2019. IT WAS APPROVED WITH THE APPROVAL OF

24.) THE SPEED STUDY WAS PREPARED BY THE TRAFFIC GROUP, INC. ON SEPTEMBER 10, 2018 WITH THE SPEED COUNTS BEING TAKEN ON APRIL 5, 2018 AND APRIL 6, 2018. IT WAS APPROVED WITH THE APPROVAL

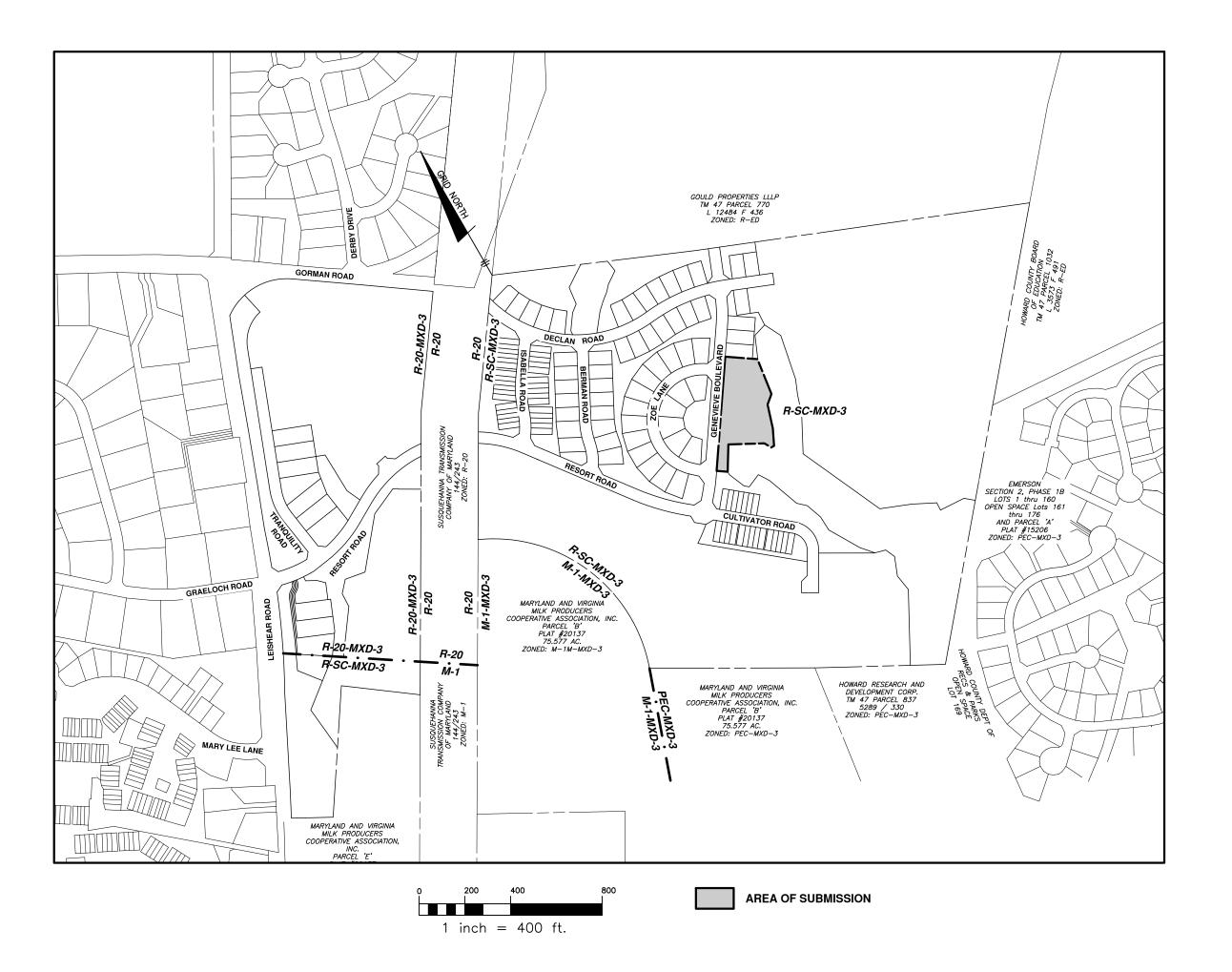
25.) A PARKING OCCUPANCY STUDY FOR THE CLUBHOUSE/POOL WAS PREPARED ON JUNE 30, 2021 BY THE TRÁFFIC GROUP, INC. AND APPROVED WITH THE APPROVAL OF F—21—044. THE RESULTS CONCLUDE THAT THE 25 SPACES PROVIDED ARE ADEQUATE.

26.) THE COMMUNITY BUILDING/POOL SHALL SERVE THE RESIDENTS OF THE WELLINGTON FARMS COMMUNITY AND SHALL SERVE AS THE RECREATIONAL OPEN SPACE REQUIREMENT FOR THE COMMUNITY. IT SHALL BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.

27.) HEALTH DEPARTMENT APPROVAL OF THIS SITE DEVELOPMENT PLAN (SDP) DOES NOT ENSURE APPROVAL OF BUILDING PERMIT APPLICATIONS ASSOCIATED WITH THIS PLAN. PERMIT PLANS FOR CERTAIN FACILITIES TO BE CONSTRUCTED WITHIN THE LIMITS DESCRIBED BY THIS SDP WILL REQUIRE REVIEW AND APPROVAL BY THE HELATH DEPARTMENT. SUCH FACILITIES MAY INCLUDE, BUT ARE NOT LIMITED TO, THOSE WHICH HAVE SWIMMING POOLS, OR THAT SELL PREPARED OR PACKAGED FOODS, OR THAT MAY HAVE EQUIPMENT THAT EMITS RADIATION.

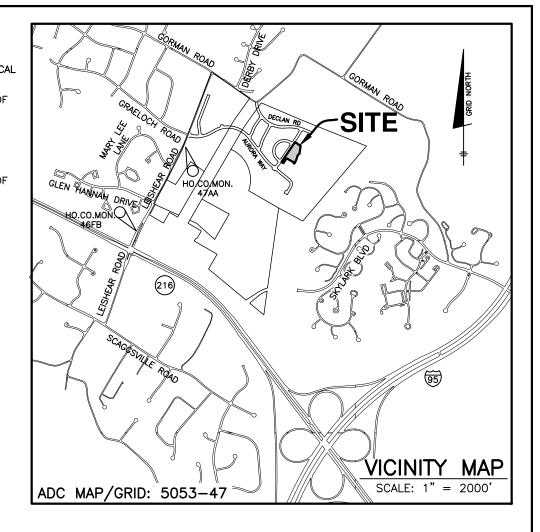
RESIDENTIAL SITE DEVELOPMENT PLAN WELLINGTON FARMS

PHASE 1 SECTION 2 COMMUNITY BUILDING OPEN SPACE LOT 139



BENCHMARKS NAD '83 HORIZONTAL - NAVD88 VERTICAL HO.CO. #46FB STAMPED BRASS DISK SET ON TOP OF A 3ft DEEP COLUMN OF CONCRETE. N 537149.785' E 1347468.998' ELEVATION: 317.217'

HO.CO. #47AA STAMPED BRASS DISK SET ON TOP OF A 3ft DEEP COLUMN OF CONCRETE. N 538961.645' E 1348439.009' ELEVATION: 362.621'



ADDRESS CHART				
LOT 139	ADDRESS			
Community Building	7616	GENEVIEVE BLVD		

	SHEET INDEX
SHEET	TITLE
1	COVER SHEET
2	SITE DEVELOPMENT AND GRADING PLAN
3	UTILITY PROFILES AND DETAIL SHEET
4	LANDSCAPE PLAN
5-7	SEDIMENT & EROSION CONTROL PLAN

SITE ANALYSIS DATA CHART

•	
B.) AREA OF PLAN SUBMISSION	_1.89 ACRES
C.) LIMIT OF DISTURBED AREA	_ 0.65 ACRES
D.) PRESENT ZONING:	_R-SC-MXD-3
E.) PROPOSED USE OF SITE:	_RESIDENTIAL - COMMUNITY BUILDING AND POOL
F.) FLOOR SPACE ON EACH LEVEL OF BLDG PER USE _	_3,120 sf
G.) TOTAL NUMBER OF UNITS ALLOWED AS SHOWN ON FINAL PLAT(S)	_N/A
H.) TOTAL NUMBER OF UNITS PROPOSED	_N/A

I.) MAXIMUM NUMBER OF EMPLOYEES. TENANTS ON SITE PER USE __ J.) NUMBER OF PARKING SPACES REQUIRED BY HO. CO. ZONING REGS AND/OR FDP CRITERIA _____ K.) NUMBER OF PARKING SPACES PROVIDED ONSITE

(INCLUDES HANDICAPPED SPACES)___

A.) TOTAL PROJECT AREA _____

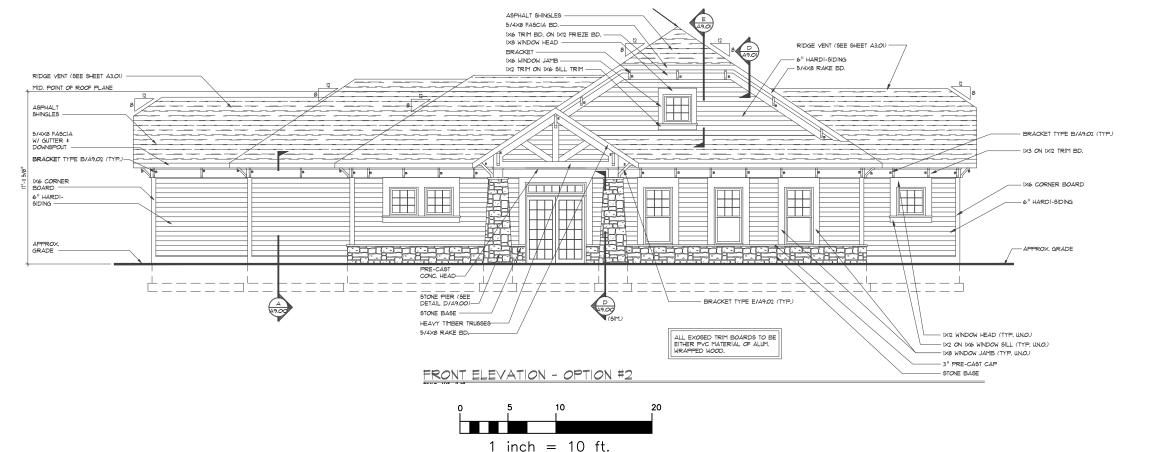
SEE GENERAL NOTE 25 1.89 ACRES (ENTIRE LOT IS OPEN SPACE) L.) OPEN SPACE ON-SITE ____ M.) AREA OF RECREATIONAL OPEN SPACE REQUIRED SEE RECREATIONAL OPEN SPACE

AREA OF RECREATIONAL OPEN SPACE PROVIDED____CHART ON THIS SHEET. N.) BUILDING COVERAGE OF SITE ___ _3,120 SF OR 0.07 AC.

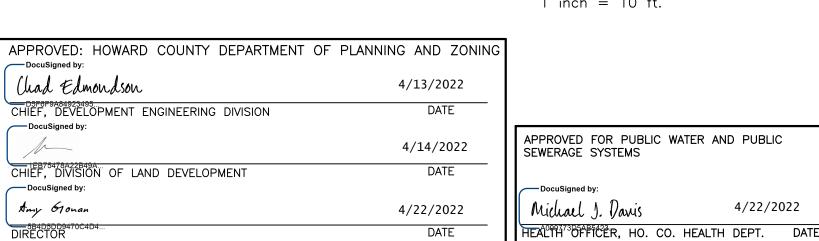
PERCENTAGE OF GROSS AREA_ __ 3.79% F-08-148, ECP-18-042, S-18-003, O.) APPLICABLE DPZ FILE REFERENCES:

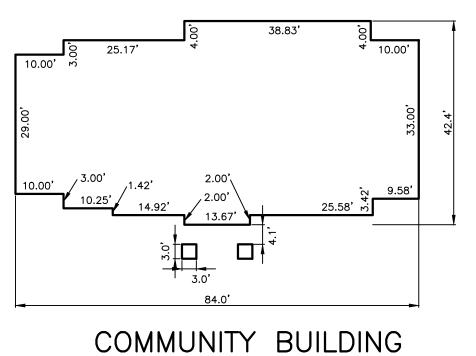
WP-20-039, WP-20-099, WP-20-117, P-20-006, F-21-025, F-21-044, SDP-22-003, SDP-22-009

_ 25 (PROVIDED UNDER F-21-044)



4/22/2022





1 inch = 20 ft.

	Recreational Open Space Chart						
Zone	Subdivision Section	Req	uirement	Unit Count	Required (sf)		
R-20	16.121.a.4.vi	200	sf per unit	35	7,000		
R-SC	16.121.a.4.vi (SFD)	300	sf per unit	144	43,200		
R-SC	16.121.a.4.vi (SFA)	400	sf per unit	215	86,000		
'			To	tal Required:	136,200		

Credit		Size (sf)	Credit (sf)
Community Building		1,305	51,417
Pool and Deck Playground		6,888	271,387
		NA	2,000
	Tota	al Provided:	324,804

PERMIT INFORMATION CHART

ZONE

SECTION/AREA:

PHASE 1

SECTION 2

TAX MAP NO

LOT/PARCEL #

OPEN SPACE

LOT 139

606806

ELECTION

SUBDIVISION NAME:

WELLINGTON FARMS

The total building square footage is 3,120 sf. However, the exercise room and multi-purpose room (used for recreation calculation) is only 1,305 sf.

> ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLICOTT CITY, MARYLAND 21042 410-720-3021 BUILDER: ESC WELLINGTON, L.C. 5074 DORSEY HALL DRIVE, SUITE 205 ELLICOTT CITY, MARYLAND 21042 410-720-3021

> > ESIGN: DBT | DRAFT: DBT

OWNER:

DATE REVISION were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. **BENCHMARK** License No. 23390 Expiration Date: 6-30-2023. ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC 8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315 ▲ ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 WWW.BEI-CIVILENGINEERING.COM

MARCH 28, 2022

AS SHOWN

SCALE:

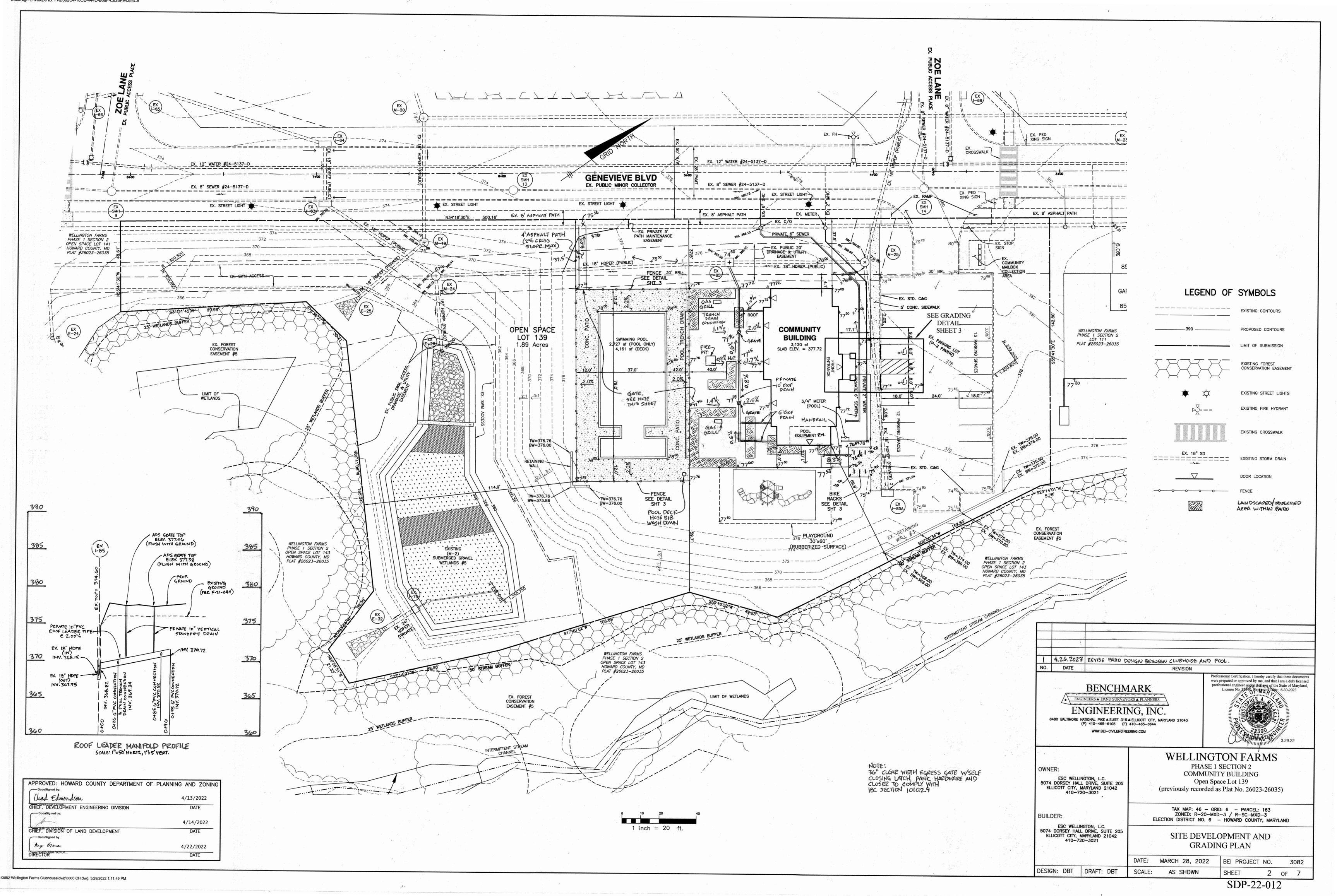
WELLINGTON FARMS PHASE 1 SECTION 2 COMMUNITY BUILDING Open Space Lot 139 (previously recorded as Plat No. 26023-26035)

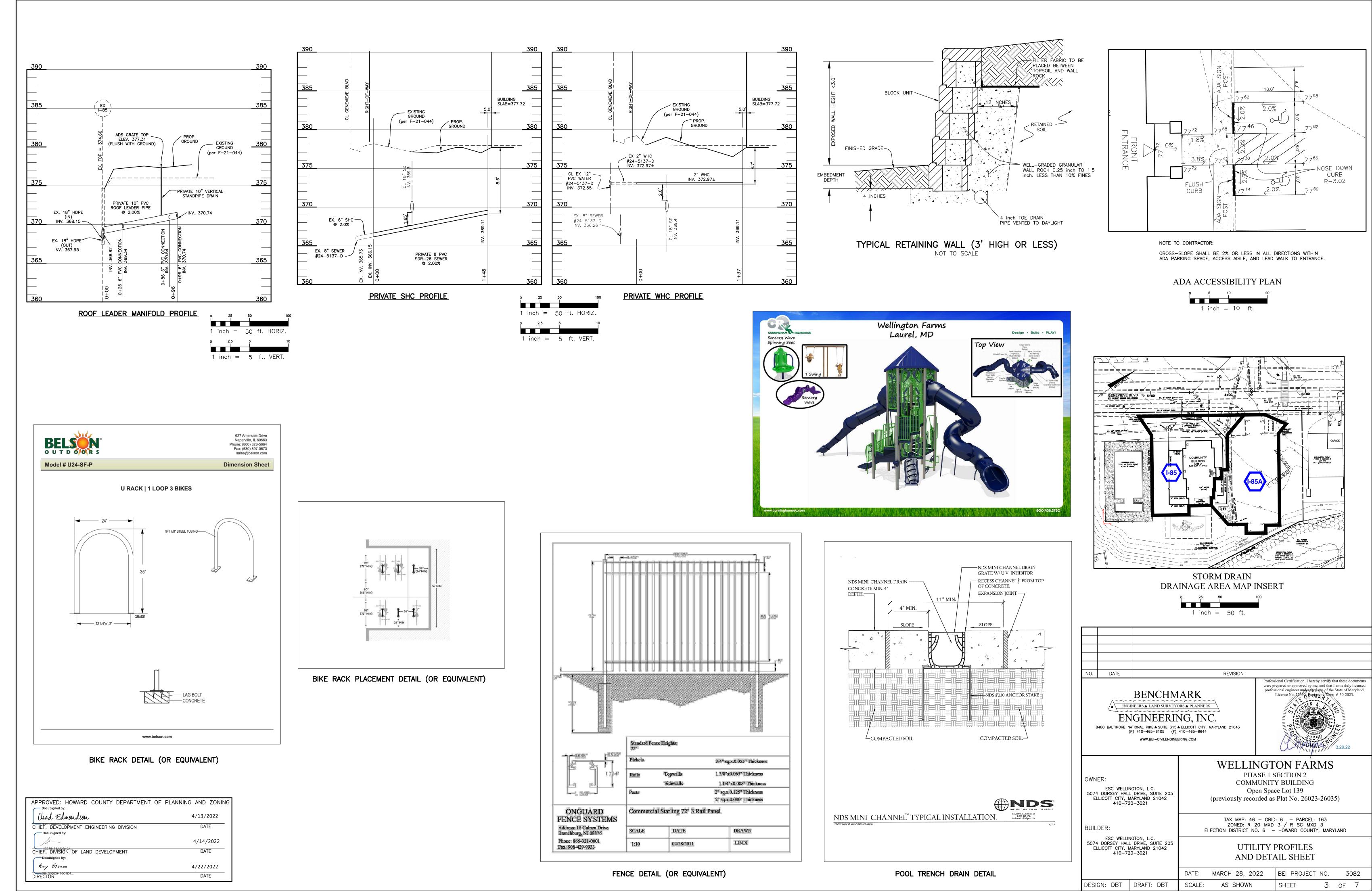
TAX MAP: 46 - GRID: 6 - PARCEL: 163 ZONED: R-20-MXD-3 / R-SC-MXD-3ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND

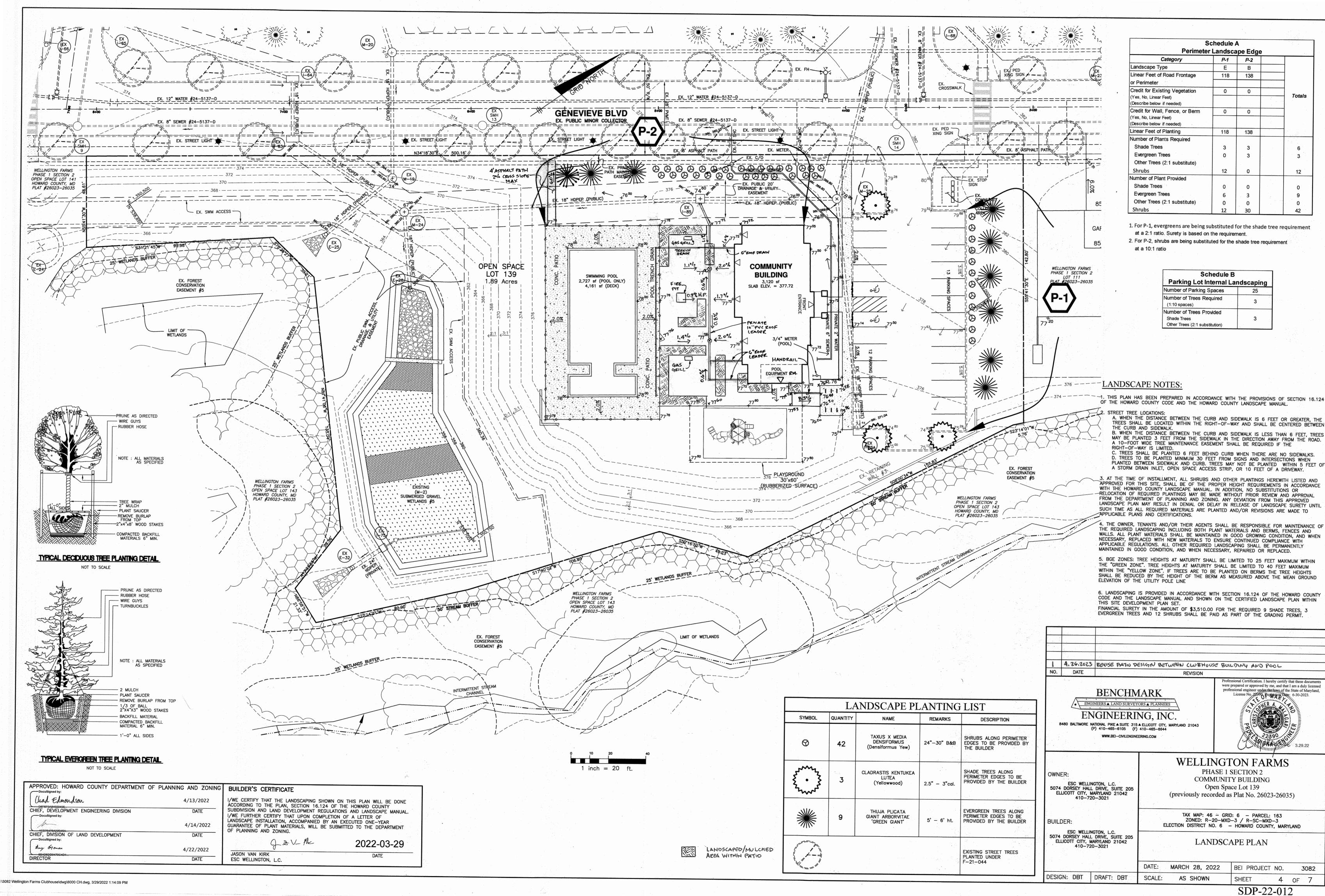
SITE DEVELOPMENT PLAN **COVER SHEET**

> SHEET 1 of 7 SDP-22-012

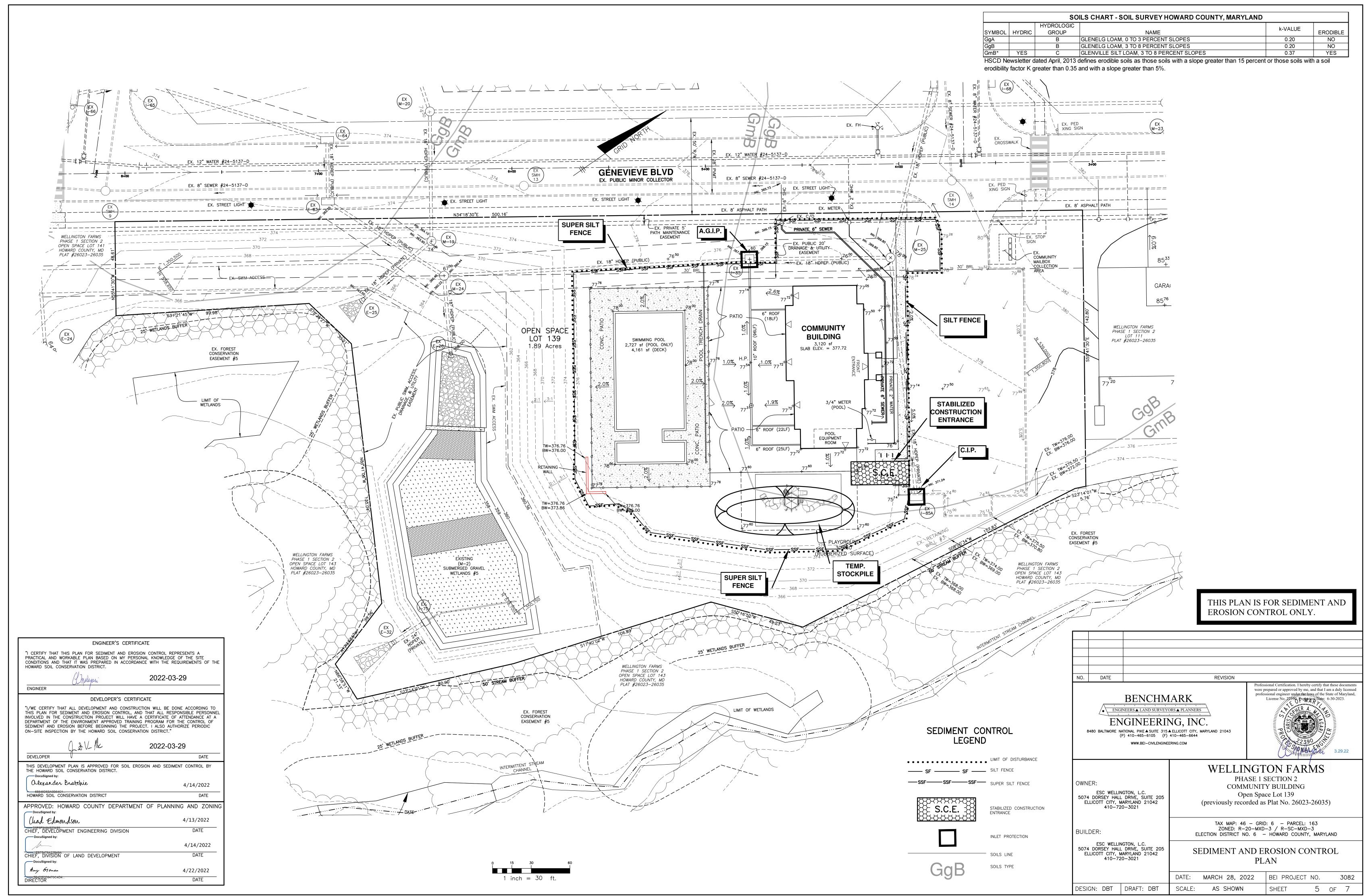
BEI PROJECT NO.







Docusign Envelope ID. FAB362C4-16CE-444D-B68F-C826F94354C8



B-4 STANDARDS AND SPECIFICATIONS

VEGETATIVE STABILIZATION

Using vegetation as cover to protect exposed soil from erosion. To promote the establishment of vegetation on exposed soil

Conditions Where Practice Applies On all disturbed areas not stabilized by other methods. This specification is divided into sections on

stabilization; soil preparation, soil amendments and topsoiling; seeding and mulching; temporary stabilization: and permanent stabilization.

Effects on Water Quality and Quantity Stabilization practices are used to promote the establishment of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall,

reducing sediment loads and runoff to downstream areas. Planting vegetation in disturbed areas will have an effect on the water budget, especially on volumes and runoff, infiltration, evaporation, transpiration, percolation, and groundwater recharge. Over time, vegetation

increase organic matter content and improve the water holding capacity of the soil and subsequent plant Vegetation will help reduce the movement of sediment, nutrients, and other chemicals carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances

Sediment control practices must remain in place during grading, seedbed preparation, seeding, mulching, and vegetative establishment. Adequate Vegetative Establishment

Inspect seeded areas for vegetative establishment and make necessary repairs, replacements, and reseedings within the planting season. 1. Adequate vegetative stabilization requires 95 percent groundcover.

2. If an area has less than 40 percent groundcover, restabilize following the original recommendations for lime, fertilizer, seedbed preparation, and seeding. 3. If an area has between 40 and 94 percent groundcover, over-seed and fertilize using half of the rates originally specified.

4. Maintenance fertilizer rates for permanent seeding are shown in Table B.6.

B-4-1 STANDARDS AND SPECIFICATIONS NCREMENTAL STABILIZATION

Establishment of vegetative cover on cut and fill slopes.

A. Incremental Stabilization - Cut Slopes

application of temporary stabilization.

HOWARD SOIL CONSERVATION DISTRICT.

J:\3082 Wellington Farms Clubhouse\dwg\8023 CH.dwg, 3/29/2022 1:16:17 PM

ENGINEER

Figure B.

Γο 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.

1. 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. 2. 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 the excavation.

b. Perform Phase 1 excavation, prepare seedbed, and stabilize. c. Perform Phase 2 excavation, prepare seedbed, and stabilize. Overseed Phase 1 areas as necessary.

d. Perform final phase excavation, prepare seedbed, and stabilize. Overseed previously seeded areas as necessary. 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

interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization

3. Incremental Stabilization - Fill Slopes 1. 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 4. 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 this area. b. 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. 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

ENGINEER'S CERTIFICATE

CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THI

2022-03-29

DATE

"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A

PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE

B-4-2 STANDARDS AND SPECIFICATIONS SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

The process of preparing the soils to sustain adequate vegetative stabilization

To provide a suitable soil medium for vegetative growth. Conditions Where Practice Applies Where vegetative stabilization is to be established

<u>Criteria</u> Soil Preparation

Temporary Stabilization 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 contour of the slope. Apply fertilizer and lime as prescribed on the plans.

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

A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are: i. Soil pH between 6.0 and 7.0.

ii. 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. iv. Soil contains 1.5 percent minimum organic matter by weight.

v. Soil contains sufficient pore space to permit adequate root penetration. 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. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test

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.

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

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 representative soil profile section in the Soil Survey published by

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 The soil material is so shallow that the rooting zone is not deep enough to support

plants or furnish continuing supplies of moisture and plant nutrients.

The original soil to be vegetated contains material toxic to plant growth. The soil is so acidic that treatment with limestone is not feasible Areas having slopes steeper than 2:1 require special consideration and design.

Topsoil Specifications: Soil to be used as topsoil must meet the following criteria: a. Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Other soils may 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 1½ 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.

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.

Topsoil Application

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

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. Soil Amendments (Fertilizer and Lime Specifications)

Soil tests must be performed to determine the exact ratios and application rates for both lime performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by

appropriate 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.

3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when 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 98 to 100 percent will pass through a #20 mesh sieve.

4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means 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

B-4-3 STANDARDS AND SPECIFICATIONS SEEDING AND MULCHING

The application of seed and mulch to establish vegetative cover. To protect disturbed soils from erosion during and at the end of construction.

seed to soil contact.

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

A. Seeding Specifications a. All seed must meet the requirements 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. b. 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. c. 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 keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less

d. Sod or seed must not be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of 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. ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good

b. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil. i. 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

ii. 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; P2O5 (phosphorous), 200 pounds per acre; K2O (potassium), 200 pounds per acre.

ii. 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

iii. Mix seed and fertilizer on site and seed immediately and without interruption.

a. 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

b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state i. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the

uniformly spread slurry ii. WCFM, including dye, must contain no germination or growth inhibiting

iii. 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.

iv. WCFM material must not contain elements or compounds at concentration levels that will be phyto-toxic. v. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters, 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.

a. Apply mulch to all seeded areas immediately after seeding. b. 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. c. Wood cellulose fiber used as mulch must be applied at 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

> 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. ii. 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.

iii. Synthetic binders such as Acrylic DLR (Agro-Tack), DCA-70, Petroset, Terra Tax II,

i. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor

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 to 15 feet wide and 300 to

Terra Tack AR or other approved equal may be used. Follow application rates as

B-4-5 STANDARDS AND SPECIFICATIONS PERMANENT STABILIZATION

To stabilize disturbed soils with permanent vegetation.

To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies Exposed soils where ground cover is needed for 6 months or more.

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 placed on the plan.

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 Guild, Section 342 - Critical Area Planting.

c For sites having disturbed areas over 5 acres, use and show the rates recommended by the soil d For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 ½ pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown

in the Permanent Seeding Summary. 2. Turfgrass 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

ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where rapid establishment 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 ½ to 3 pounds per 1000 square feet.

Notes: Select turfgrass 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. c. 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 (Hardiness Zones: 7a, 7b)

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 ½ inches in diameter. The resulting seedbed must be in such condition that future mowing of grasses will pose e. If soil moisture is deficient, supply new seedings with adequate water for plant growth (½ to 1 inch every 3 to 4 days depending on soil texture) until they are firmly established. This is not especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on

B. Sod: to provide quick cover on disturbed areas (2:1 grade or flatter).

or uneven ends will not be acceptable.

1. General Specifications

a. Class of turfgrass must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector b. Sod must be machine cut at a uniform soil thickness of ¾ inch, plus or minus ¼ inch, at the time of cutting. Measurement for thickness must exclude top growth and thatch. Broken pads and torn

c. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section. d. Sod must not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.

e. Sod must be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period must be approved by an agronomist or soil scientist prior to its installation. 2. Sod Installation

a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod. b. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength.

Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots. c. Wherever possible, lay sod with the long edges parallel to the contour and with staggering joints. Roll and tamp, peg or otherwise secure the sod to prevent slippage on slopes. Ensure solid contact

exists between sod roots and the underlying soil surface. d. Water the sod immediately following rolling and tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. Complete the operations of laying, tamping and

irrigating for any piece of sod within eight hours. a. In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain moist soil to a depth of 4 inches. Water sod during the heat of the day to

b. After the first week, sod watering is required as necessary to maintain adequate moisture content. c. Do not mow until the sod is firmly rooted. No more than 1/3 of the grass leaf must be removed by the initial cutting or subsequent cuttings. Maintain a grass height of at least 3 inches unless

B-4-4 STANDARDS AND SPECIFICATIONS TEMPORARY STABLIZATION

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 Temporary Seeding Summary below along with application rates, seeding dates and seeding depths. If 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

H-5 STANDARDS AND SPECIFICATIONS

alone as prescribed in Section B-4-3.A.1.b and maintain until the next seeding season.

DUST CONTROL Controlling the suspension of dust particles from construction activities.

To prevent blowing and movement of dust from exposed soil surfaces to reduce on and off-site damage health and traffic hazards.

Conditions Where Practice Applies Areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

Mulches: See Section B-4-2 Soil Preparation, Topsoiling, and Soil Amendments, Section B-4-3 Seeding and Mulching, and Section B-4-4 Temporary Stabilization. Mulch must be anchored to

prevent blowing. Vegetative Cover: See Section B-4-4 Temporary Stabilization. Tillage: Till to roughen surface and bring clods to the surface. Begin plowing on windward

side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect. Irrigation: Sprinkle site with water until the surface is moist. Repeat as needed. The site must

not be irrigated to the point that runoff occurs. Barriers: Solid board fences, silt fences, snow fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing.

Cool-Season Grasses

Barley (Hordeum vulgare)

Wheat (Triticum aestivum

Cereal Rye (Secale cereale)

Foxtail Millet (Serataria italica)

Pearl Millet (Pennisetum glaucum

Warm-Season Grasses

Oats (Avena sativa)

Multiflorum

Annual Ryegrass (Lolium perenne

6. <u>Chemical Treatment</u>: Use of chemical treatment requires approval by the appropriate plan

B-4-8 STANDARDS AND SPECIFICATIONS

A 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,

sedimentation, 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 2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material

and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance with Section B-3 Land Grading.

4. Access the stockpile area from the upgrade side. 5. 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

3. Runoff from the stockpile area must drain to a suitable sediment control practice.

concentrated flow in a non-erosive manner 6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge.

7. 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

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 stockpile 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

Recommended Seeding Dates by Plant Hardiness Zone 3/

Mar 1 to May 15; Aug 1 to Oct 3:

Mar 1 to May 15; Aug 1 to Oct 3:

Mar 1 to May 15; Aug 1 to Oct 31

Mar 1 to May 15; Aug 1 to Oct 3:

Mar 1 to May 15; Aug 1 to Nov 15

May 16 to Jul 31

May 16 to Jul 31

(10-20-20)

P2O5

per acre 90 lb/ac 90 lb/ac 2 tons/ac

100 sf) 1000 sf) 1000 sf) 1000 sf)

45 pounds

K2O

7a and 7b

impermeable sheeting.

accordance with Section B-3 Land Grading.

Table B.1: Temporary Seeding for Site Stabilization

5b and 6a

Seeding Rate 1/ | Seeding |

lb/ac lb/1000 ft2 (inches)

40 1.0 0.5

96 2.2 1.0

120 2.8 1.0

112 2.8 1.0

30 0.7 0.5

0.5

The planting dates listed are averages for each Zone and may require adjustment to reflect local conditions, especially near the boundaries of the zone.

| | Fescue/Kentucky Bluegrass

Mar 1 to May 15

Aug 1 to Oct 15

Mar 1 to May 15

Aug 1 to Oct 15

Seeding rates for the warm season grasses are in pounds of Pure Live Seed (PLS). Actual planting rates shall be adjusted to reflect percent seed germination and purity, a

for barley, oats, and wheat. For smaller-seeded grasses (annual ryegrass, pearl millet, foxtail millet), do not exceed more than 5% (by weight) of the overall permanent

eeding mix. Cereal rye generally should not be used as a nurse crop, unless planting will occur very late fall beyond the seeding dates for other temporary seeding

Cereal rye has allelopathic properties that inhibit the germination and growth of other plants. If it must be used as a nurse crop, seed at 1/3 of the rate listed above

Permanent Seeding Summary

Depths

1/4 - 1/2 in

1/4 - 1/2 in

Seeding rates listed above are for temporary seedings, when planted alone. When planted as a nurse crop with permanent seed mixes, use 1/3 of the seeding rate listed above

20 0.5

tested. Adjustments are usually not needed for the cool-season grasses.

Oats are the recommended nurse crop for warm-season grasses.

Rate (lb/ac.)

60

40

Hardiness Zone (from Figure B.3):

Seed Misture (from Table B.3):

Fescue, Tall

9 Bluegrass, Kentucky

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), 410-3133-1855 after the future LOD and protected areas are marked clearly in the field. A minimum of 48 hours notice to CID must

be given at the following stages: a. Prior to the start of earth disturbance. b. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading,

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 <u>2011 MARYLAND STANDARDS AND</u>

3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days as to the surface of all perimeter controls dikes. swales, ditches, perimeter slopes, and 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

with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT $\underline{\text{CONTROL}}$ 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 feet must be benched with stable outlet. All concentrated flow, steep slope, and highly erodible areas shall receive soil stabilization

operative condition until permission for their removal has been obtained from the CID.

CONTROL PURPOSES 0.25 ONLY. CONTRACTOR Acres Area to be vegetatively stabilized: 470 * TO VERIFY. . Cu Yds 0 *

Total fill: . Cu Yds SITE WITH AN ACTIVE GRADING PERMIT Off-site waste/borrow area location:

7. Any sediment control practice which is disturbed by grading activity for placement of

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 contractor, made available upon request, is part of every

• Weather information (current conditions as well as time and an=mount of last recorded

• Brief description of project's status (e.g. percent complete) and/or current activities Evidence of sediment discharges

• Identification of sediment controls that require maintenance • Identification of missing or improperly installed sediment controls

• Compliance status regarding the sequence of construction and stabilization requirements Monitoring/sampling

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 work day, whichever is shorter. 10. Any major changes or revisions to the plan or sequence of construction must be

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 CID. Unless otherwise specified and approved by the HSCD, no more than 20 acres cumulatively may be disturbed at a given time.

13. Topsoil shall be stockpiled and preserved on-site for redistribution onto final grade.

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

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

16. A copy of this plan, the <u>2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL</u>, and associated permits shall be on—site and available when

SEQUENCE OF CONSTRUCTION

NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF WORK

before starting any work. (1 day)

2. Hold on-site pre-construction meeting. (day 2)

3. Install perimeter controls (i.e. stabilized construction entrance, fencing, inlet protection). (day 3)

4. Excavate for pool and clubhouse foundation. Stabilize in accordance with the temporary seedbed notes. (day 4-10)

5. Construct pool, community building, install water and sewer house connections from easement/right-of-way up to building, backfill. Install roof leader manifold. (day 11-90)

6. Pour pool patio, patio, and sidewalk. (day 91-100)

8. Upon approval from the Howard County Sediment Control Inspector, remove all sediment control devices and stabilize any remaining disturbed areas in accordance with the permanent seedbed notes. (day 111-118)

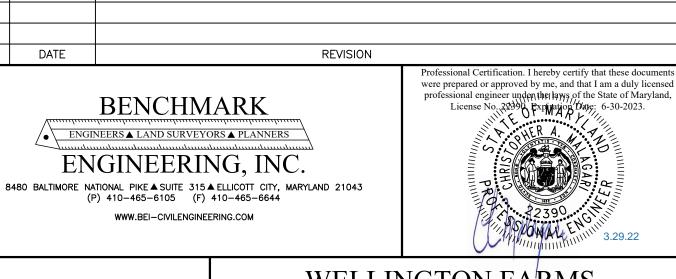
Note: Following initial soil disturbance or any re-disturbances, permanent or temporary stabilization shall be completed within:

A. 3 calendar days for all perimeter sediment control structures, dikes, swales and

all slopes greater than 3:1. B. 7 calendar days for all other disturbed areas. NO. DATE **BENCHMARK** ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC

(P) 410-465-6105 (F) 410-465-6644

WWW.BEI-CIVILENGINEERING.COM



SDP-22-012

OWNER: ESC WELLIN 5074 DORSEY HALL ELLICOTT CITY, N 410-72	DRIVE, SUITE 205 IARYLAND 21042	WELLINGTON FARMS PHASE 1 SECTION 2 COMMUNITY BUILDING Open Space Lot 139 (previously recorded as Plat No. 26023-26035)					
BUILDER:		TAX MAP: 46 - GRID: 6 - PARCEL: 163 ZONED: R-20-MXD-3 / R-SC-MXD-3 ELECTION DISTRICT NO. 6 - HOWARD COUNTY, MARYLAND					
ESC WELLIN 5074 DORSEY HALL ELLICOTT CITY, M 410-72	DRIVE, SUITE 205 IARYLAND 21042	SEDIMENT AND EROSION CONTROL NOTES					
		DATE:	MARCH 28, 2022	BEI PROJECT	NO.	•	3082
DESIGN: DBT	DRAFT: DBT	SCALE:	AS SHOWN	SHEET	6	OF	7

DEVELOPER'S CERTIFICATE "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO IHIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNE INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT. 2022-03-29 DEVELOPER DATE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DocuSigned by Olexander Bratchie

4/14/2022 HOWARD SOIL CONSERVATION DISTRICT DATE APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING Chad Edmondson 4/13/2022

> iv. When hydroseeding do not incorporate seed into the soil. 1. Mulch Materials (in order of preference)

STOCKPILE AREA

c. Prior to the start of another phase of construction or opening of another grading d. Prior to the removal or modification of sediment control practices.

SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.

those areas under active aradina. 4. All disturbed areas must be stabilized within the time period specified above in accordance

5. All sediment control structures are to remain in place, and are to be maintained in

1.89 _ Acres Total Area of Site: *CUT/FILL NUMBERS 0.65 Acres Area Disturbed: ARE ROUGH ESTIMAT 0.40 FOR SEDIMENT Area to be roofed or paved: __ Acres

• Inspection type (routine, pre-storm event, during rain event) • Name and title of inspector

• Identification of plan deficiencies

• Maintenance and/or corrective action performed • Other inspection items as required by the General Permit for Stormwater Associated with Construction Activities (NPDES, MDE).

reviewed and approved by the HSCD prior to proceeding with construction. Minor revisions may be allowed by the CID per the list of HSCD—approved field changes.

12. Wash water from any equipment, vehicles, wheels, pavement, and other sources must be treated in a sediment basin or other approved washout structure.

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 IV March 1 − May 31

1. Obtain grading/building permit. Notify D.I.L.P. at 410-313-1880 at least 24 hours

7. Install fence around pool, bike rack, tree plantings, and playground. (day 101-110)

During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures of this plan.

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