

# HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

3430 Courthouse Drive ■ Ellicott City, Maryland 21043 ■ 410-313-2350

Valdis Lazdins, Director

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# TECHNICAL STAFF REPORT ROCKBURN ESTATES

### Planning Board Quasi-Judicial Public Hearing of January 19, 2017

Derrick Jones, Staff Planner phone: 410-313-4330 email: djones@howardcountymd.gov

Case No./Petitioner:

PB Case No. 425 / Security Development, LLC

**Project Name:** 

Rockburn Estates, SP-16-012

Lots 1-11 and Open Space Lots 12-15

Developer:

Security Development, LLC

**Engineering Consultant:** 

Benchmark Engineering

Request:

For the Planning Board to approve a Preliminary Equivalent Sketch Plan, SP-16-012, to subdivide 11 single-family lots and 4 open space lots. The 5.18 acre property is zoned R-20 (Residential: Single) and is subject to Section 107.0.F. of the Zoning Regulations and Section 1.105 of the Rules and Procedures of the Howard County Planning Board. While the property is zoned R-20, the petitioner is proposing to develop per the R-ED (Residential: Environmental Development) District: in accordance with Section 108.0.G.3 of the Zoning Regulations.

Location:

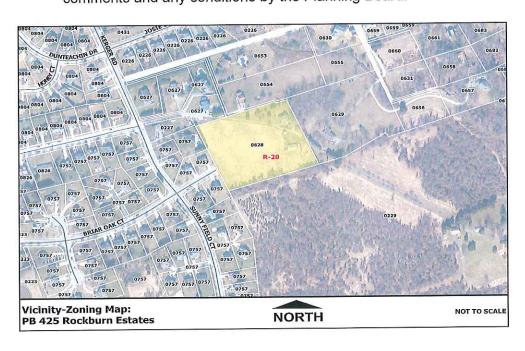
5333 Kerger Road, Ellicott City, First Election District of Howard County,

Maryland; Tax Map 31, Grid 22, Parcel 628.

**DPZ Recommendation**:

Approval, subject to complying with Subdivision Review Committee (SRC)

comments and any conditions by the Planning Board.



#### Plan Summary:

- The Preliminary Equivalent Sketch Plan establishes the preliminary lot layout, street network, open space areas, sidewalks or pathways, drainage, stormwater management (SWM), landscaping, and forest conservation areas.
- The site is in:
  - The Established Communities Allocation Area, within the Ellicott City Planning Area (per PlanHoward 2030).
  - The Patapsco River watershed.
  - The Planned Service Area (PSA); public water and sewer will be provided.
- While the site is zoned R-20 it will be developed under the R-ED regulations. The maximum density is 2 dwelling units per net acre and the minimum lot size is 6,000 sq. ft.
- The developer proposes 11 single-family detached, fee simple lots that will front on a public road (Briar Oak Court extended).
- The site contains 680 sq. ft. of 25% or greater slopes.
- An historic house that dates back to 1850 is to remain.
- The Hearings Examiner granted a setback variance, BA-15-045v, on February 18, 2016, which reduced the 75-foot setback for the existing historic house to 40.9 feet.
- 2.78 acres of open space (which includes recreation open space and a pathway connecting to an adjacent public park) will be provided. This exceeds the required 2.59 acres, which is 50% of the gross site area.
- Tentative housing unit allocations and the APFO schools test will be evaluated once the Decision and Order by the Planning Board has been signed.

#### Vicinal Properties:

The property is located at the end of Briar Oak Court and is surrounded by the following R-20 zoned properties:

North - An existing residential subdivision, the Resch Property, and two deeded residential parcels - Parcels 629 and 654.

West – An existing residential subdivision, Sunny Field Estates.

South - Rockburn Branch Park.

East - An improved, deeded, residential parcel - Parcel 629.

#### I. General Comments

- A. **Legal Notices** DPZ staff verified that the property was posted with a sign at the end of Briar Oak Court and the case was advertised in two local newspapers at least 30 days prior to the public hearing. All certifications are on file.
- B. Regulatory Compliance This development is subject to the Howard County Subdivision and Land Development Regulations, the Howard County Zoning Regulations, the DPW Design Manual, the MDE (Maryland Department of Environment) Storm Water Design Manual, the Adequate Public Facilities

Ordinance, the Forest Conservation Manual, the Landscape Manual, and the requirements of the Soils Conservation District, Health Department and the Department of Recreation and Parks.

- C. General Plan The proposed development is consistent with PlanHoward 2030.
- D. **Pre-submission Community Meeting** The developer held a pre-submission community meeting on October 8, 2015.

#### E. Site History:

- The property is known as the former John S. Ridgley farm and contains an 1850s Greek Revival farmhouse, a wagon house, an outhouse, a shed, and a stone, barn foundation from 1904.
- The subdivision proposal was heard by the Historic Preservation Commission on October 1, 2015, (HO-865) and they provided advisory comments.
- An Environmental Concept Plan (ECP-16-022) was submitted on July 8, 2014, and approved on October 20, 2015.

#### F. Bulk Regulations:

- Density R-ED permits 2 dwellings per net acre and the site is 5.14 net acres, which allows
  up to 10 lots. Section 107.0.H. of the Zoning Regulations Neighborhood Preservation
  Density Exchange option permits importing up to a 10% density bonus, which the developer
  proposes for a total of 11 lots.
- Lot Size Requirements All lots comply with the minimum R-ED single-family lot size 6,000 sq. ft.
- Minimum Lot Width All lots are at least 50' lot wide, as measured at the front building restriction line (BRL).
- Building Restriction Setbacks All lots comply with building setbacks, per Section 107.0.D.4 of the Zoning Regulations. All residential structures and uses will be at least 75 feet from property lines with adjoining single family detached developments and all other structures and uses will be at least 50 feet.

#### II. Site Analysis

A. Existing Site Conditions - The majority of the property is a grass pasture and is generally square, except for a 10' wide strip that extends north and then bends west to Kerger Road. The 2 ½ story Greek Revival farmhouse dates to 1850 and is currently unoccupied. It is accessed from Kerger Road by an asphalt driveway, shared with four other residences.

B.

Site and Density Information Chart:	T 40 55
Gross Site Area	5. 16 ac.
Minus 100-Year Floodplain	0.00 40.
Minus 25% or Greater Slopes	0.02 ac.
Net Site Area	5.16 ac.
Permitted Density (2 units per net acre)	10 lots
Permitted Density (2 units per net acre)	11 lots
Proposed Lots	
* This development imports one bonus lot	1.82 ac.
Acreage of 11 lots	
Moderate Income Housing Units (MIHU)	
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- C. Access and Frontage Access and public road frontage will be via an extension of Briar Oak Court (a 50' wide public ROW) into the property from its current terminus.
- D. Water and Sewer Service Water and sewer service will provided through public contract no. 14-4983-D and the existing well and septic systems must be abandoned prior to recording the final plat.

# E. Existing Environmental Site Characteristics:

- General Site Features The property consists of an overgrown pasture with several cedars, fruit trees, and holly; however, the lawn around the house is still maintained. Topography is mostly flat, except where it gently slopes from the north to the south.
- Environmental Resources In April 2016 Eco-Science Professionals, Inc. certified the absence of onsite wetlands and streams, which DPZ verified using the Department of Natural Resources (DNR) on-line resource MERLIN. The site does have 680 sq. ft. of 25% or greater slopes. On September 18, 2015, a DNR qualified professional conducted a simplified forest stand delineation and while it did not find any forest communities it did identify a specimen poplar in good condition that is to remain.
- Soils SP plan (Sheet 3) indicates five soil types that are present. The Howard Soil
  Conservation District has determined that four of the five are not hydric or poorly drained,
  except for a small portion of Fallsington soils. The rest are well to moderately well drained.

In accordance with Section 16.123(c)(1) of the Subdivision and Land Development Regulations, the developer must provide practical and effective sediment control during construction to prevent off-site damage due to erosion and sedimentation.

F. **Historic Resources** - On October 1, 2015, the Howard County Historic Preservation Commission provided advisory comments regarding historic resources and recommended that the historic farmhouse be preserved and integrated into the design of the subdivision. The petitioner agreed and included it as Lot 6, thereby meeting the *Protection of Historic Resources* guidelines established under Section 16.118(b) of the Subdivision Regulations. The remaining historic resources (the shed, barn, stone walls, outhouse, etc.) will not be saved.



The Historic John S. Ridgely Farm house ca. 1850

# I. Proposed Development Plan:

- Subdivision Plan The development consists of 11 single-family lots and 4 open space lots. Residential lots range from 6,006 sq. ft. to 7,535 sq. ft., except for one. Lot 6 is 11,365 sq. ft. and accommodates the existing farmhouse. All residential lots will front on Briar Oak Court extended, which is a 24' wide public road. It will extend approximately 500' into the site, include sidewalks and street lights on both sides and terminate in a T-turn-around. An 8' wide asphalt path will be constructed on Open Space Lot 13 and connect to the adjacent Rockburn Branch Park, located to the south. A 3,300 sq. ft. recreation area on Open Space Lot 12 will also be provided (see subdivision plan at end of report).
- Community Compatibility for Residential Infill Section 16.127(c)(1) of the Subdivision and Land Development Regulations requires a residential infill project to be compatible with the surrounding neighborhood. This is accomplished by proposing single-family detached two-story houses in the subdivision of a similar architectural style and design as the existing homes along Briar Oak Court. A 75 foot landscape buffer is also proposed along the adjoining Sunny Field Estates subdivision (to the west). The buffer will also include Homeowner's Association (HOA) owned open space.
- Open Space Section 16.121(a)(2) requires a subdivision in the R-ED zone to provide open space equal to at least 50% of the site's gross area and 53.7% is proposed. A 3,300 sq. ft. recreational area will be located at the entrance to the development, per Section 16.121(a)(4). Three open space lots will be owned and maintained by the HOA while open space Lot 13 will be owned by the Department of Recreation and Parks.

- Forest Conservation The petitioner is must plant forest as a condition of subdivision and this obligation will be fulfilled by 0.78 acres of forest planting. A *public forest conservation easement* will be established on Open Space Lot 12 and recorded with the forthcoming plat. This easement (along with the deed of forest conservation) will preserve the area from future development and/or disturbance. Since the HOA will own Open Space Lot 12 it will be responsible for its upkeep and management.
- Landscaping Landscaping that complies with the Landscape Manual will be provided along the entire perimeter of the subdivision and 26 street trees are proposed along Briar Oak Court extended.
- Stormwater Management SWM will comply with the Stormwater Management Act of 2007 by
  providing Environmental Site Design (ESD) to the maximum extent practicable (MEP), in
  accordance with Chapter 5 of the M.D.E. Storm Water Design Manual, Volumes I and II. SWM
  will include a combination of ESD practices: 8 micro bio-retention practices and 4 landscape
  filtration practices to manage runoff from lots and driveways; and one surface sand filter to treat
  the public road.
- Adequate Public Facilities Ordinance (APFO):

Roads Test - The intersections analyzed include Montgomery Road/South Haven Road, Montgomery Road/Waterloo Road, Montgomery Road/Meadowridge Road, and Montgomery Road/Brightfield Road. The analyses show that all will operate at an acceptable level-of-service and have been approved by the Development Engineering Division (DED).

Schools Test - The subdivision is in the Ellicott City Planning Area, the Northeast School Region, the Ilchester Elementary School District, and the Bonnie Branch Middle School District. Once the Decision and Order has been signed the subdivision will be tested for housing allocations and open/closed schools.

## III. Planning Board Criteria:

Section 107.0.F.6 of the Zoning Regulations establishes the following review criteria that must be considered when evaluating a Preliminary Equivalent Sketch Plan:

1. The proposed lay-out of the lots and open space effectively protects environmental and historic resources.

The only significant environmental feature is 680 sq. ft. of 25% or greater slopes, which do not require protection. Approximately 54% of the site will be open space and will contain the saved specimen tree.

All lots are square or rectangular and meet the maximum 3:1 lot depth to width ratio. The 11 lots are concentrated in the center of the parcel and will front on Briar Oak Court extended. Open space lots will be located along the perimeter to help buffer adjoining homes.

The existing historic farmhouse will be protected and integrated within the subdivision on Lot 6, per Section 16.118.

2. Buildings, parking areas, roads, stormwater management facilities and other site features are located to take advantage of existing topography and to limit the extent of clearing and grading.

The subdivision takes advantage of existing topography and maintains the gentle slopes from the north to the south. Site disturbance, about 3.7 acres, is necessary to accommodate reasonably sized lots. Bio-retention and landscape infiltration practices, as well as a sand filter, will be used to address SWM.

 Setbacks, landscaped buffers, or other methods are proposed to buffer the development from existing neighborhoods or roads, especially from designated scenic roads or historic districts.

This subdivision meets the bulk regulations in Section 107.0.D.4.of the Howard County Zoning Regulations. A 75' setback is required along the north, west, and east property lines for all structures and uses and a 50' setback is required along the south property line. This subdivision meets those requirements except for Lot 6. A variance (BA-15-045v) was approved to reduce the 75' setback to 40.9' to preserve the historic farmhouse.

The open space lots provide an effective buffer to adjacent homes to the north, east, and west and they also accommodate afforestation (0.78 acres of forest planting on Open Space Lot 12).

The property does not front on a scenic road nor is it in an historic district.

The Howard County Landscape Manual requires a Type "A" landscaped edge (1 shade tree per 60') along the project boundary, which will be satisfied by planting 26 shade trees.

**SRC Action:** 

The developer was notified by a letter dated September 23, 2016, that the subdivision plan, SP-16-012, was **technically complete**; subject to complying with any Subdivision Review Committee (SRC) comments and conditions by the Planning Board.

Recommendation:

The Department of Planning and Zoning recommends that the Planning Board approve this subdivision as shown on the Preliminary Equivalent Sketch Plan, SP-16-012 Rockburn Estates, subject to complying with any SRC comments and any conditions by the Planning Board.

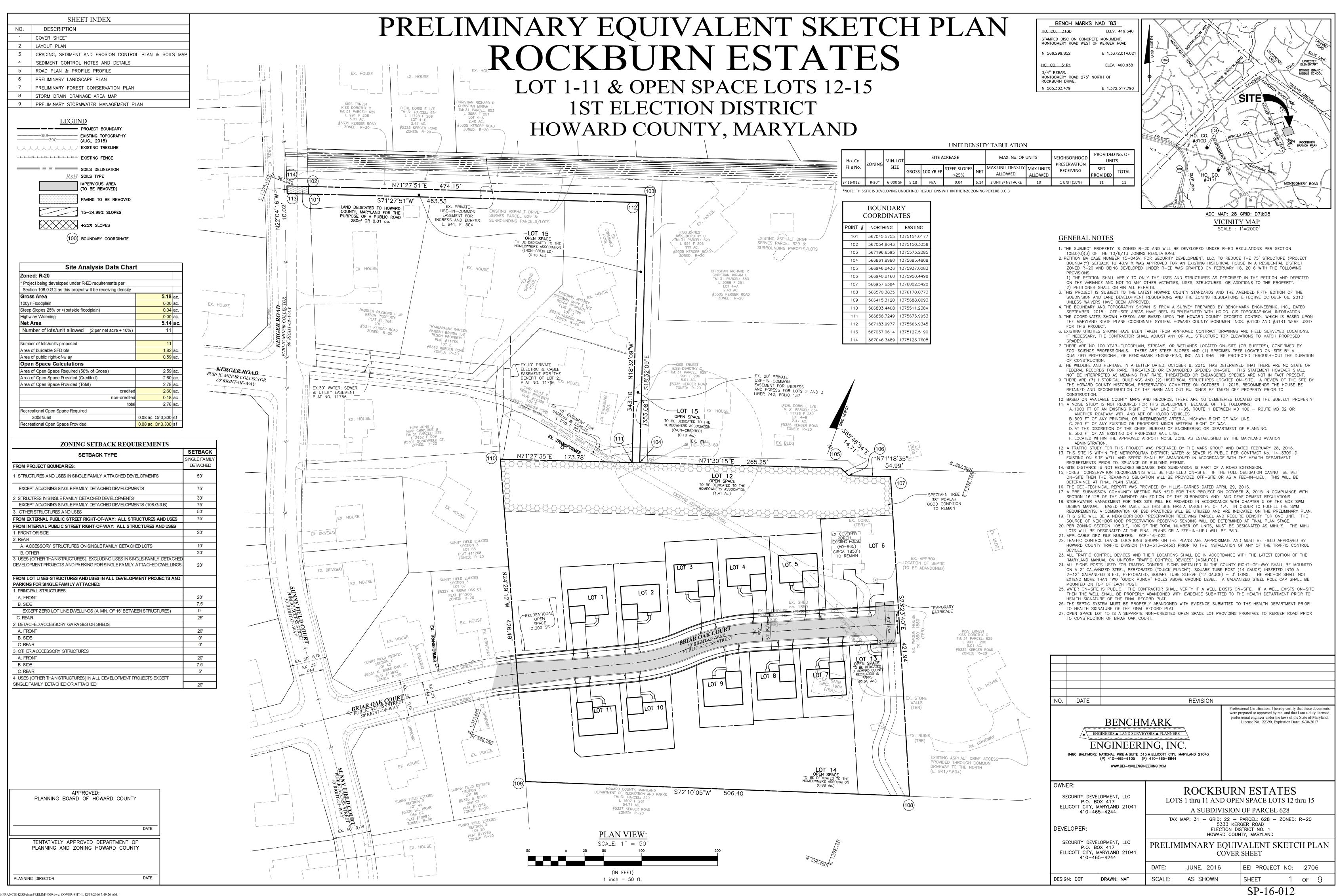
This file is available for public review by appointment at the Department of Planning and Zoning's public service counter, Monday through Friday, 8:00 a.m. to 5:00 p.m.

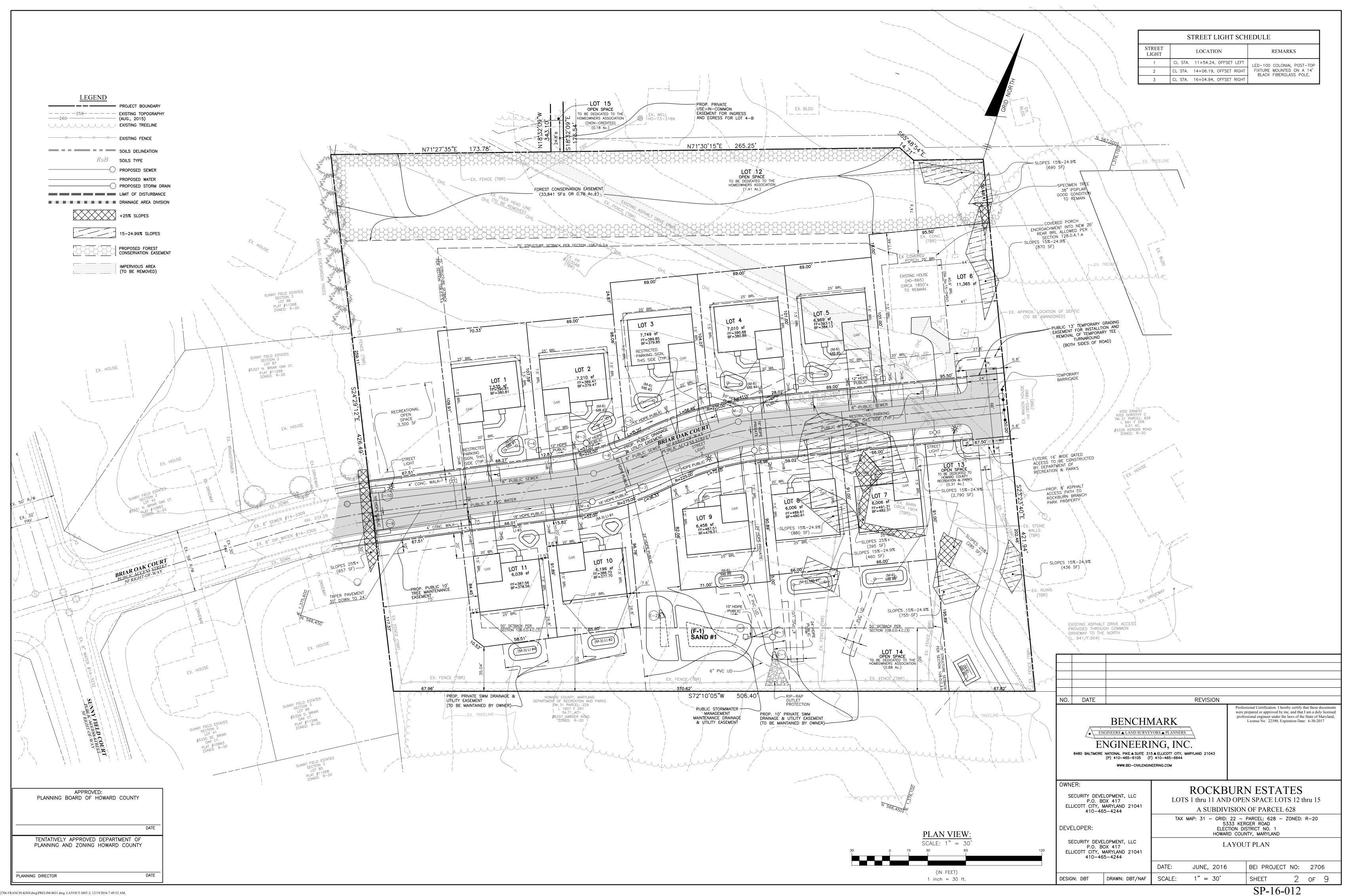
Valdis Lazdins, Director

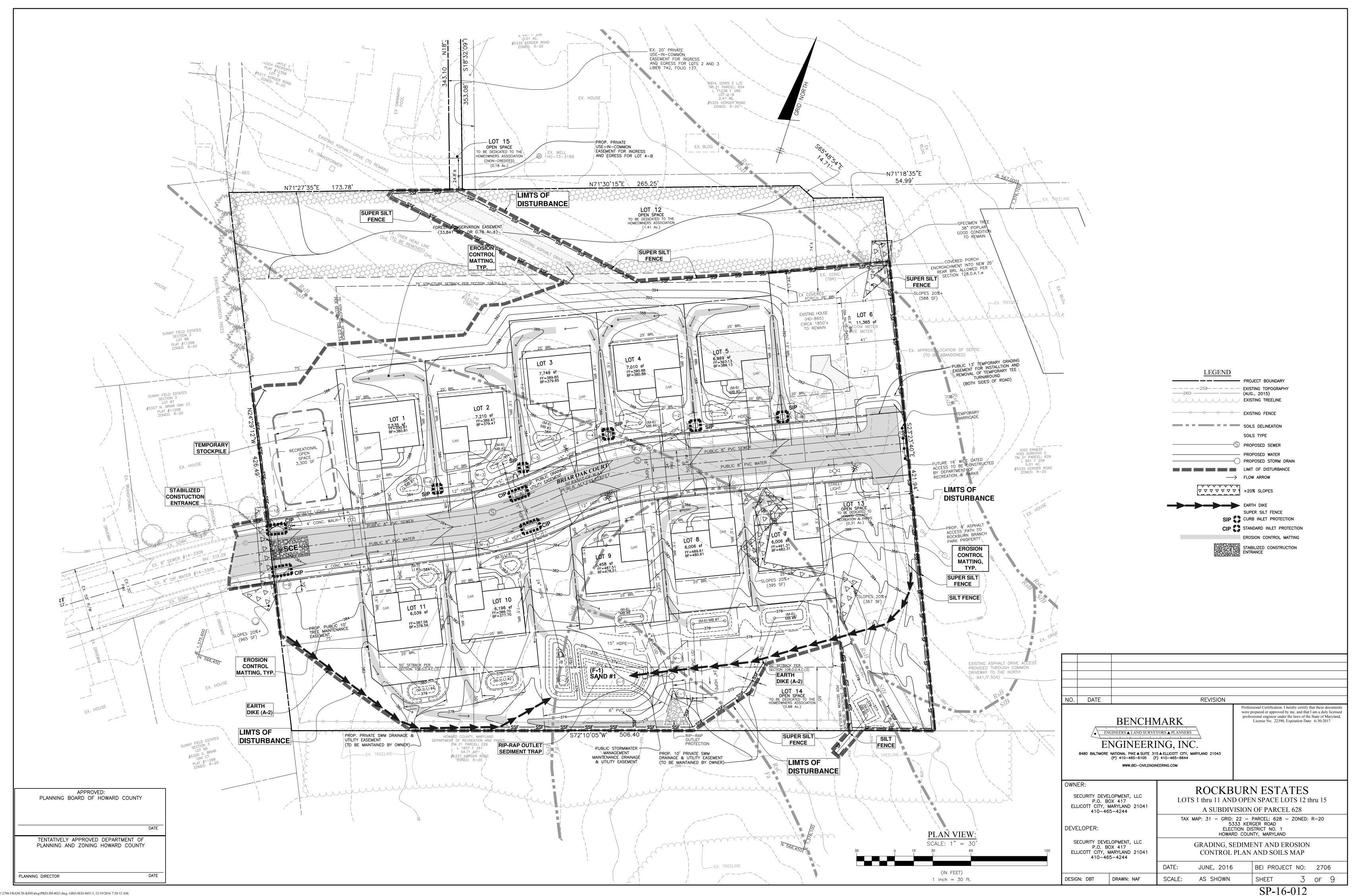
Department of Planning and Zoning

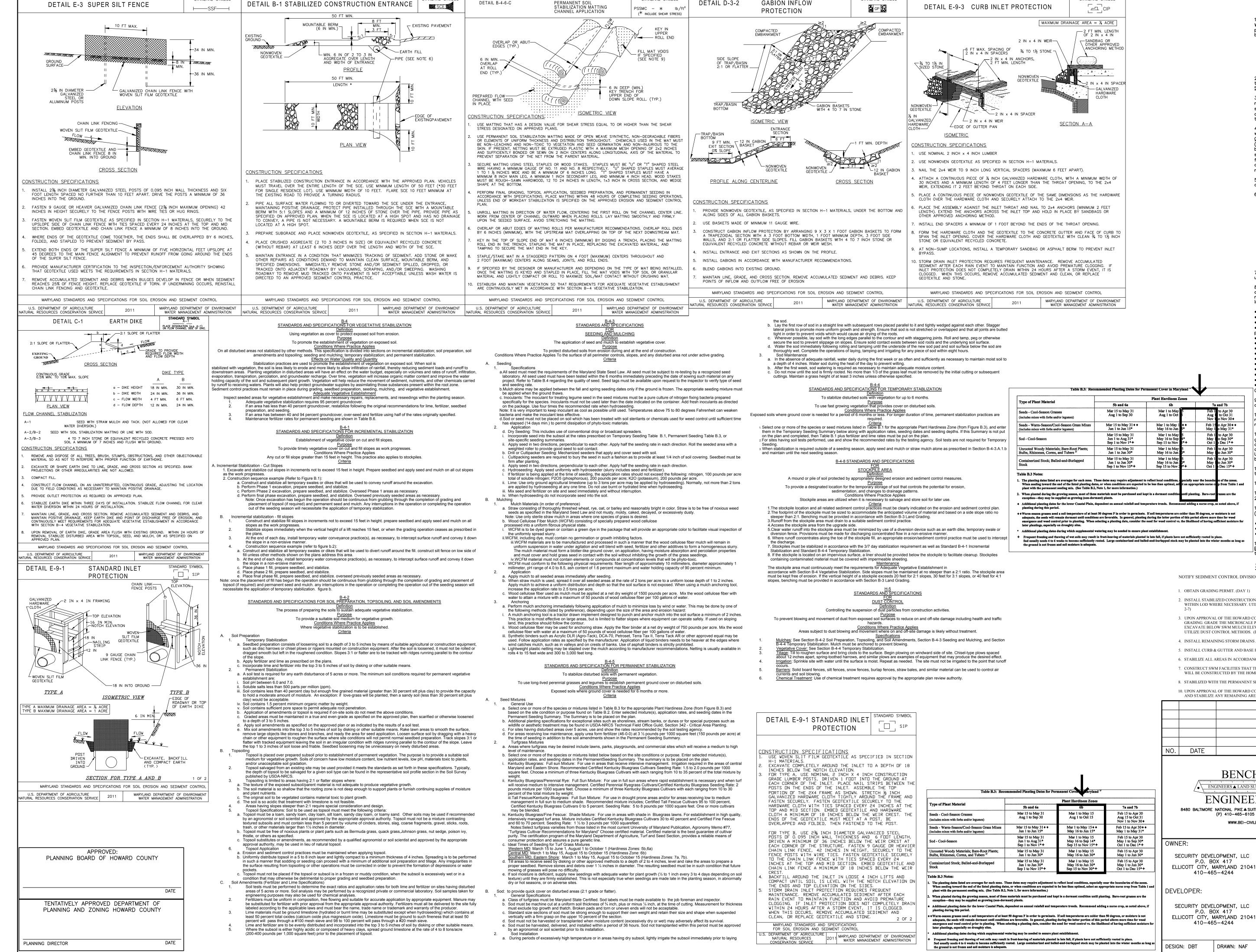
Date

<sup>\*</sup> Special acknowledgement to DPZ's Resource Conservation Division (Beth Burgess, Samantha Holmes) and the Research Division (Lisa Kenney) for their assistance in preparing this report.



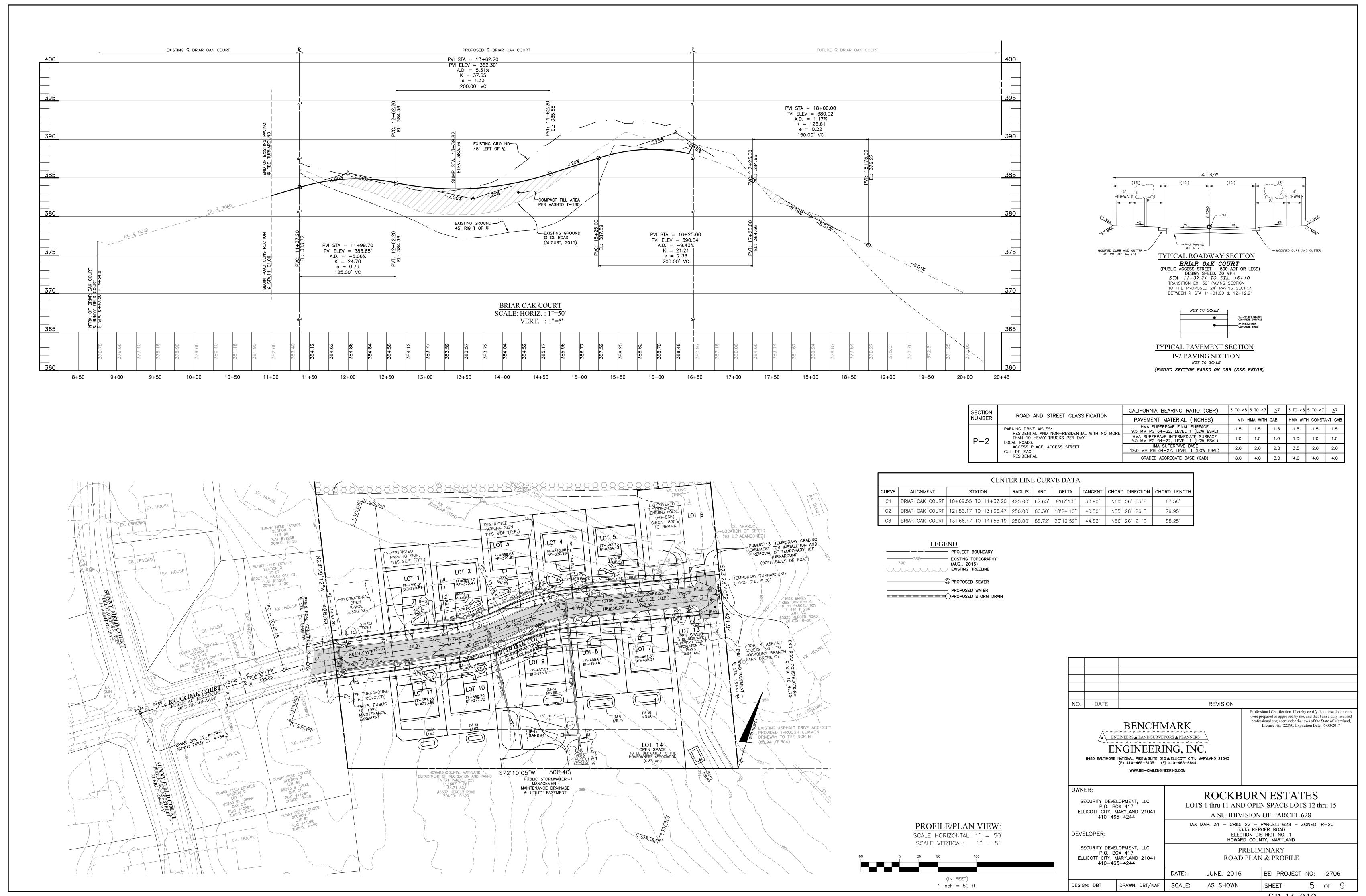


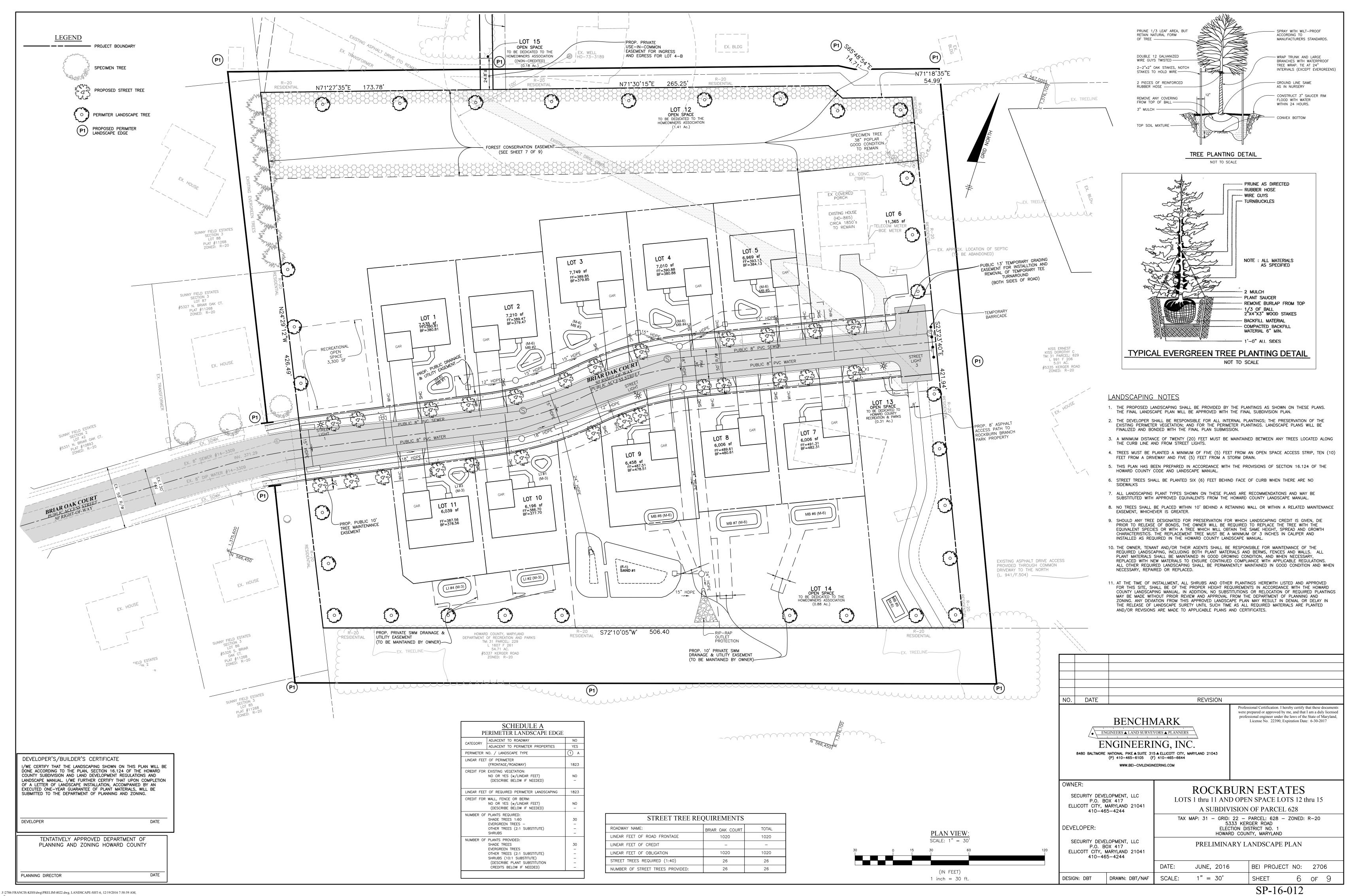


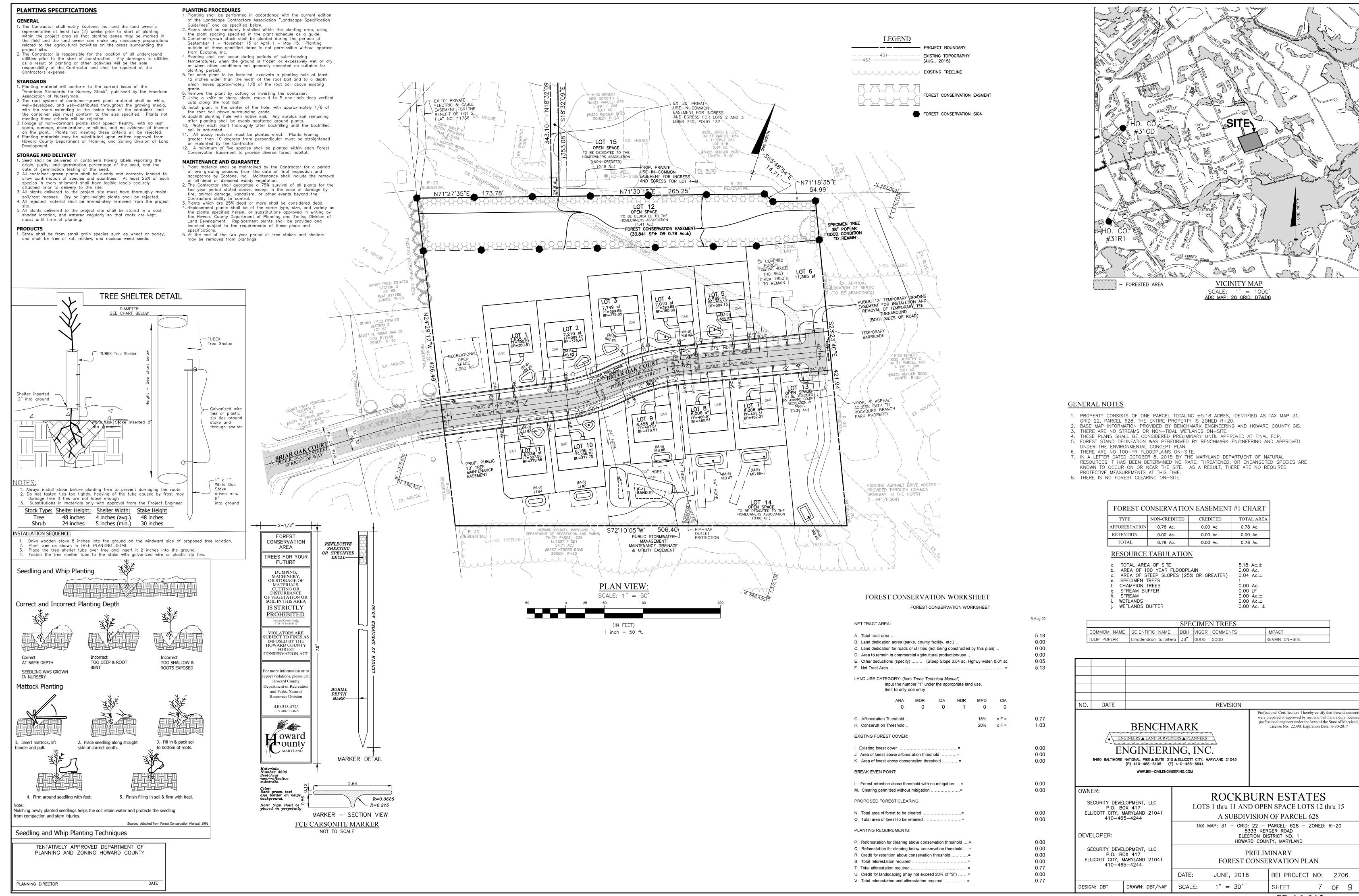


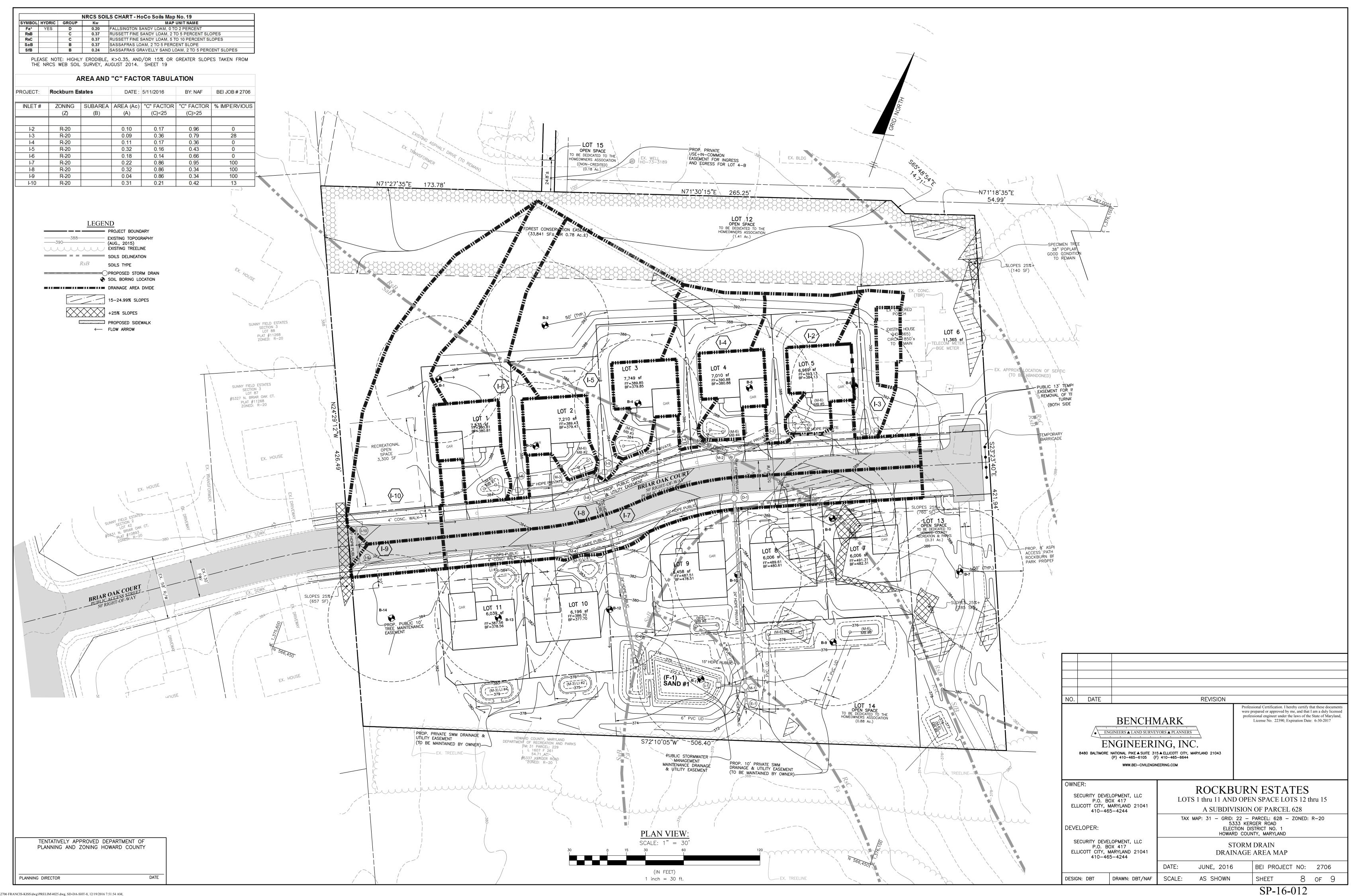
1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-3133-1855 after the future LOD and protected areas are marked clearly in the field. A minimum of 48 hours notice to CID must be aiven at the following stages: a. Prior 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, 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 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL</u>, and revisions thereto. 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 those areas under active aradina. 4. All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 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 on 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 greas 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 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: 5.18 Acres Total Area of Site: 3.7 Area Disturbed: \_ Acres \*CUT/FILL NUMBERS 0.9 ARE FOR SEDIMEN Area to be roofed or paved: CONTROL PURPOSES 2.8 ONLY. CONTRACTOR Area to be vegetatively stabilized: \_ Acres O VERIFY. 1,800<sup>\*</sup> Total cut: \_ Cu Yds 2,000\* N/A Off-site waste/borrow area location: 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 contractor, made available upon request, is part of every inspection and should include: • Inspection date • Inspection type (routine, pre-storm event, during rain event) • Name and title of inspector Weather information (current conditions as well as time and an=mount of last recorded precipitation • Brief description of project's status (e.g. percent complete) and/or current activities Evidence of sediment discharges • Identification of plan deficiencies • 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 Photographs 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). ). Trenches for the construction of utilities is limited to three pipe lengths or that which car 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 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. 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) o 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 CID, no more than 30 acres cumulatively may oe 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 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 • Use IV March 1 - May 31 16. A copy of this plan, the <u>2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL</u>
<u>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 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE. INSTALL PERIMETER SEDIMENT CONTROL FEATURES, CLEAR AND REMOVE TOP SOIL WITHIN LOD WHERE NECESSARY. UTILIZE NEW SEDIMENT CONTROL FEATURES SHOWN ON THIS PLAN FOR PERIMETER CONTROLS. (DAY 3. UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, BRING ROAD BEDS TO SUBGRADE AND COMMENCE MASS GRADING. GRADE THE MICROSCALE PRACTICES WITH PIPE INFLOWS TO FINISHED GRADE AND CREATE EMBANKMENTS (DO NOT EXCAVATE BELOW SWM MULCH ELEVATION AT THIS STEP). STABILIZE SLOPES IN ACCORDANCE WITH THE TEMPORARY SEEDBED NOTES. UTILIZE DUST CONTROL METHODS. (DAY 8-60) 4. INSTALL REMAINING STORM DRAINS AND WATER AND SEWER MAINS. (DAY 61-100) 5. INSTALL CURB & GUTTER AND BASE PAVING. (DAY 101-120) 6. STABILIZE ALL AREAS IN ACCORDANCE WITH THE TEMPORARY SEEDBED NOTES. (DAY 121-125) 7. CONSTRUCT SWM FACILITIES THAT TREAT PUBLIC IMPROVEMENTS COMPLETE WITH UNDERDRAIN PIPES. THE ON-LOT SWM FACILITIES WILL BE CONSTRUCTED BY THE HOME BUILDER AT THE TIME OF HOUSE CONSTRUCTION. (DAY 126-155) 8. STABILIZED WITH THE PERMANENT SEEDBED NOTES. (DAY 156-158) 10. UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE ANY REMAINING AREAS IN ACCORDANCE WITH THE PERMANENT SEEDBED NOTES. (DAY 159) REVISION Professional Certification. I hereby certify that these document 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. 22390, Expiration Date: 6-30-2017 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 ROCKBURN ESTATES LOTS 1 thru 11 AND OPEN SPACE LOTS 12 thru 15 A SUBDIVISION OF PARCEL 628 TAX MAP: 31 - GRID: 22 - PARCEL: 628 - ZONED: R-20 5333 KERGER ROAD ELECTION DISTRICT NO. 1 HOWARD COUNTY, MARYLAND SEDIMENT AND EROSION CONTROL NOTES & DETAILS DATE: BEI PROJECT NO: 2706 JUNE, 2016 SCALE: DRAWN: NAF AS SHOWN SHEET 4 of 9

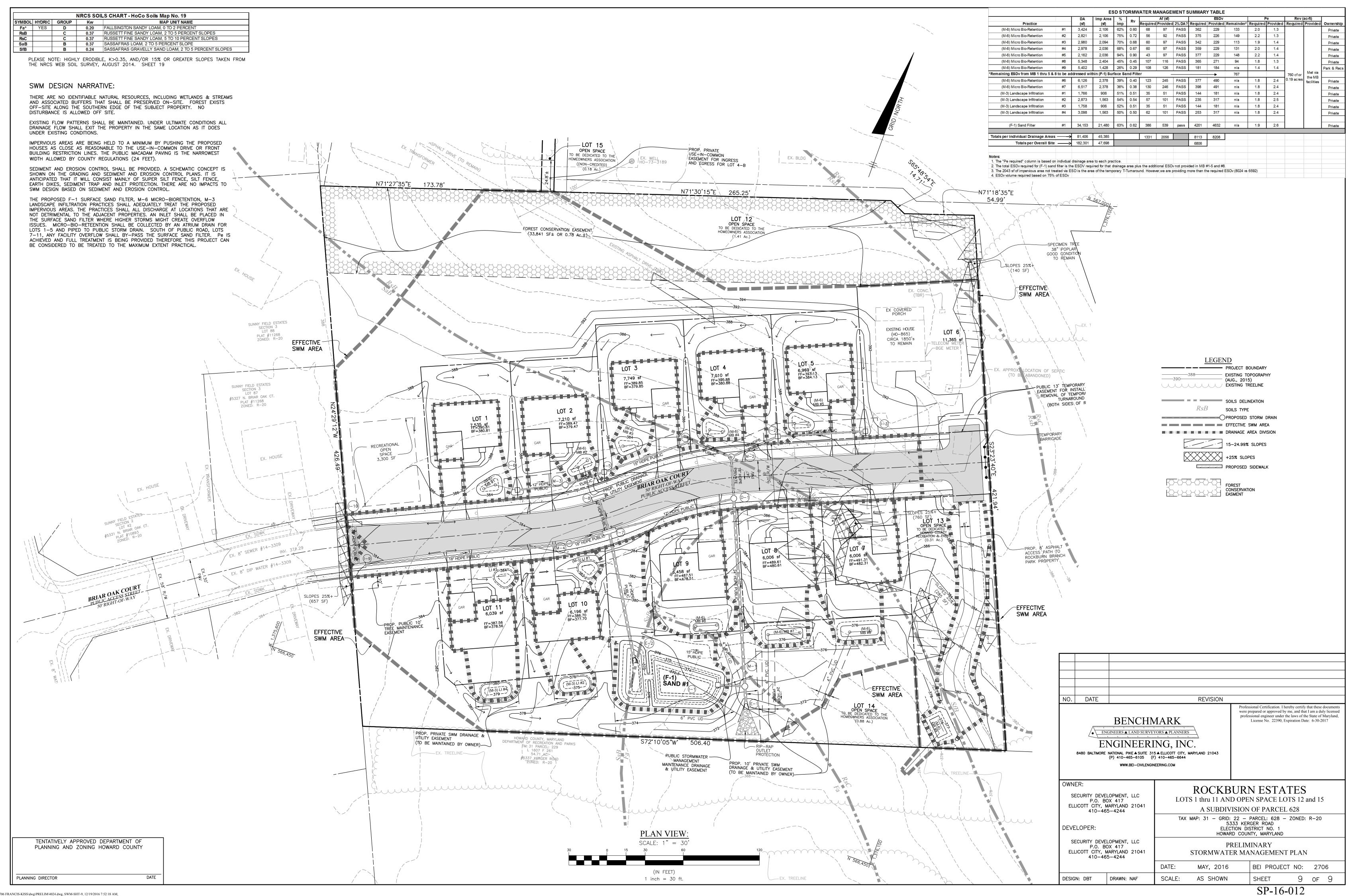
HOWARD SOIL CONSERVATION DISTRICT (HSCD)
STANDARD SEDIMENT CONTROL NOTES











#### **GENERAL NOTES**

- 1. THE SUBJECT PROPERTY IS ZONED R-20 AND WILL BE DEVELOPED UNDER R-ED REGULATIONS PER SECTION 108.0(G)(3) OF THE 10/6/13 ZONING REGULATIONS.
- 2. PETITION BA CASE NUMBER 15-045V, FOR SECURITY DEVELOPMENT, LLC. TO REDUCE THE 75' STRUCTURE (PROJECT BOUNDARY) SETBACK TO 40.9 ft WAS APPROVED FOR AN EXISTING HISTORICAL HOUSE IN A RESIDENTIAL DISTRICT ZONED R-20 AND BEING DEVELOPED UNDER R-ED WAS GRANTED ON FEBRUARY 18, 2016 WITH THE FOLLOWING
  - 1) THE PETITION SHALL APPLY TO ONLY THE USES AND STRUCTURES AS DESCRIBED IN THE PETITION AND DEPICTED ON THE VARIANCE AND NOT TO ANY OTHER ACTIVITIES, USES, STRUCTURES, OR ADDITIONS TO THE PROPERTY. 2) PETITIONER SHALL OBTAIN ALL PERMITS.
- 3. THIS PROJECT IS SUBJECT TO THE LATEST HOWARD COUNTY STANDARDS AND THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS EFFECTIVE OCTOBER 06, 2013 UNLESS WAIVERS HAVE BEEN APPROVED.
- 4. THE BOUNDARY AND TOPOGRAPHY SHOWN IS FROM A SURVEY PREPARED BY BENCHMARK ENGINEERING, INC., DATED SEPTEMBER, 2015. OFF-SITE AREAS HAVE BEEN SUPPLEMENTED WITH HO.CO. GIS TOPOGRAPHICAL INFORMATION.
- 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. #31GD AND #31R1 WERE USED FOR THIS PROJECT.
- 6. EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM APPROVED CONTRACT DRAWINGS AND FIELD SURVEYED LOCATIONS. IF NECESSARY, THE CONTRACTOR SHALL ADJUST ANY OR ALL STRUCTURE TOP ELEVATIONS TO MATCH PROPOSED GRADES.
- 7. THERE ARE NO 100 YEAR-FLOODPLAIN, STREAMS, OR WETLANDS LOCATED ON-SITE (OR BUFFERS), CONFIRMED BY ECO-SCIENCE PROFESSIONALS. THERE ARE STEEP SLOPES AND (1) SPECIMEN TREE LOCATED ON-SITE BY A QUALIFIED PROFESSIONAL, OF BENCHMARK ENGINEERING, INC. AND SHALL BE PROTECTED THROUGH-OUT THE DURATION OF CONSTRUCTION.
- 8. THE WILDLIFE AND HERITAGE IN A LETTER DATED, OCTOBER 8, 2015, HAS DETERMINED THAT THERE ARE NO STATE OR FEDERAL RECORDS FOR RARE, THREATENED OR ENDANGERED SPECIES ON-SITE. THIS STATEMENT HOWEVER SHALL NOT BE INTERPRETED AS MEANING THAT RARE, THREATENED OR ENDANGERED SPECIES ARE NOT IN FACT PRESENT.
- 9. THERE ARE (3) HISTORICAL BUILDINGS AND (2) HISTORICAL STRUCTURES LOCATED ON-SITE. A REVIEW OF THE SITE BY THE HOWARD COUNTY HISTORICAL PRESERVATION COMMITTEE ON OCTOBER 1, 2015, RECOMMENDS THE HOUSE BE RETAINED AND DECONSTRUCTION OF THE BARN AND OUT BUILDINGS BE TAKEN OFF PROPERTY PRIOR TO CONSTRUCTION.
- 10. BASED ON AVAILABLE COUNTY MAPS AND RECORDS. THERE ARE NO CEMETERIES LOCATED ON THE SUBJECT PROPERTY.
- 11. A NOISE STUDY IS NOT REQUIRED FOR THIS DEVELOPMENT BECAUSE OF THE FOLLOWING:
  - A. 1000 FT OF AN EXISTING RIGHT OF WAY LINE OF I-95, ROUTE 1 BETWEEN MD 100 ROUTE MD 32 OR ANOTHER ROADWAY WITH AND ADT OF 10,000 VEHICLES.
  - B. 500 FT OF ANY PRINCIPAL OR INTERMEDIATE ARTERIAL HIGHWAY RIGHT OF WAY LINE.
  - C. 250 FT OF ANY EXISTING OR PROPOSED MINOR ARTERIAL RIGHT OF WAY.
  - D. AT THE DISCRETION OF THE CHIEF, BUREAU OF ENGINEERING OR DEPARTMENT OF PLANNING.
  - E. 500 FT OF AN EXISTING OR PROPOSED RAIL LINE.
- F. LOCATED WITHIN THE APPROVED AIRPORT NOISE ZONE AS ESTABLISHED BY THE MARYLAND AVIATION ADMINISTRATION.
- 12. A TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE MARS GROUP AND DATED FEBRUARY 28, 2016.
- 13. THIS SITE IS WITHIN THE METROPOLITAN DISTRICT; WATER & SEWER IS PUBLIC PER CONTRACT No. 14-3309-D. EXISTING ON-SITE WELL AND SEPTIC SHALL BE ABANDONED IN ACCORDANCE WITH THE HEALTH DEPARTMENT REQUIREMENTS PRIOR TO ISSUANCE OF BUILDING PERMIT.
- 14. SITE DISTANCE IS NOT REQUIRED BECAUSE THIS SUBDIVISION IS PART OF A ROAD EXTENSION.
- 15. FOREST CONSERVATION REQUIREMENTS WILL BE FULFILLED ON-SITE. IF THE FULL OBLIGATION CANNOT BE MET ON-SITE THEN THE REMAINING OBLIGATION WILL BE PROVIDED OFF-SITE OR AS A FEE-IN-LIEU. THIS WILL BE DETERMINED AT FINAL PLAN STAGE.
- 16. THE GEO-TECHNICAL REPORT WAS PROVIDED BY HILLIS-CARNES DATED APRIL 29, 2016.
- 17. A PRE-SUBMISSION COMMUNITY MEETING WAS HELD FOR THIS PROJECT ON OCTOBER 8, 2015 IN COMPLIANCE WITH SECTION 16.128 OF THE AMENDED 5th EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- 18. STORMWATER MANAGEMENT FOR THIS SITE WILL BE PROVIDED IN ACCORDANCE WITH CHAPTER 5 OF THE MDE SWM DESIGN MANUAL. BASED ON TABLE 5.3 THIS SITE HAS A TARGET PE OF 1.4. IN ORDER TO FULFILL THE SWM REQUIREMENTS, A COMBINATION OF ESD PRACTICES WILL BE UTILIZED AND ARE INDICATED ON THE PRELIMINARY PLAN.
- 19. THIS SITE WILL BE A NEIGHBORHOOD PRESERVATION RECEIVING PARCEL AND REQUIRE DENSITY FOR ONE UNIT. THE SOURCE OF NEIGHBORHOOD PRESERVATION RECEIVING SENDING WILL BE DETERMINED AT FINAL PLAN STAGE.
- 20. PER ZONING SECTION 108.0.E. 10% OF THE TOTAL NUMBER OF UNITS, MUST BE DESIGNATED AS MIHU'S. THE MIHU LOTS WILL BE DESIGNATED AT THE FINAL PLANS OR A FEE-IN-LIEU WILL BE PAID.
- 21. APPLICABLE DPZ FILE NUMBERS: ECP-16-022
- 22. TRAFFIC CONTROL DEVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD APPROVED BY HOWARD COUNTY TRAFFIC DIVISION (410-313-2430) PRIOR TO THE INSTALLATION OF ANY OF THE TRAFFIC CONTROL DEVICES.
- 23. ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MDMUTCD)
- 24. ALL SIGNS POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED ("QUICK PUNCH"), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-12" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO "QUICK PUNCH" HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- 25. WATER ON-SITE IS PUBLIC. THE CONTRACTOR SHALL VERIFY IF A WELL EXISTS ON-SITE. IF A WELL EXISTS ON-SITE THEN THE WELL SHALL BE PROPERLY ABANDONED WITH EVIDENCE SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO HEALTH SIGNATURE OF THE FINAL RECORD PLAT.
- 26. THE SEPTIC SYSTEM MUST BE PROPERLY ABANDONED WITH EVIDENCE SUBMITTED TO THE HEALTH DEPARTMENT PRIOR TO HEALTH SIGNATURE OF THE FINAL RECORD PLAT.
- 27. OPEN SPACE LOT 15 IS A SEPARATE NON-CREDITED OPEN SPACE LOT PROVIDING FRONTAGE TO KERGER ROAD PRIOR TO CONSTRUCTION OF BRIAR OAK COURT.

BENCH MARKS NAD '83 HO. CO. 31GD ELEV. 419.340

STAMPED DISC ON CONCRETE MONUMENT. MONTGOMERY ROAD WEST OF KERGER ROAD

N 566,299.852

E 1,3372,014.021 ELEV. 400.938

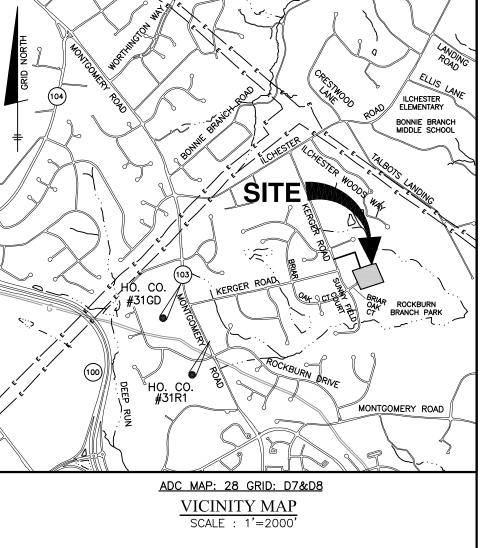
HO. CO. 31R1 3/4" RFBAR

MONTGOMERY ROAD 275' NORTH OF

ROCKBURN DRIVE.

N 565,303.479 E 1,372,517.790

Site Analysis Data Char	t	
Zoned: R-20		
* Project being developed under R-ED requirements per	·	
Section 108.0.G.2 as this project will be receiving density		
Gross Area	5.18	ac.
100yr Floodplain	0.00	ac.
Steep Slopes 25% or >(outside floodplain)	0.04	ac.
Highw ay Widening	0.00	ac.
Net Area	5.14	ac.
Number of lots/unit allowed (2 per net acre + 10%)	11	
Number of lots/units proposed	11	
Area of buildable SFD lots	1.82	ac.
Area of public right-of-way	0.59	ac.
Open Space Calculations		
Area of Open Space Required (50% of Gross)	2.59	ac.
Area of Open Space Provided (Credited)	2.60	ac.
Area of Open Space Provided (Total)	2.78	ac.
credited	2.60	ac.
non-credited	0.18	ac.
total	2.78	ac.
Recreational Open Space Required		
300sf/unit	0.08 ac. Or 3,300	sf
Recreational Open Space Provided	0.08 ac. Or 3,300	sf



UNIT DENSITY TABULATION

Ho. Co. File No.	ZONING	SIZE	SITE ACREAGE			MAX. No. OF UNITS		NEIGHBORHOOD PRESERVATION	PROVIDED No. OF UNITS		
			GROSS	100 YR FP	STEEP SLOPES >25%	NET	MAX UNIT DENSITY ALLOWED	MAX UNITS ALLOWED	RECEIVING	SFD PROVIDED	TOTAL
SP 16-012	R-20*	6,000 SF	5.18	N/A	0.04	5.14	2 UNITS/ NET ACRE	10	1 UNIT (10%)	11	11

\*NOTE: THIS SITE IS DEVELOPING UNDER R-ED REGULTIONS WITHIN THE R-20 ZONING PER 108.0.G.3

## ROCKBURN ESTATES

LOTS 1 thru 11 AND OPEN SPACE LOTS 12 thru 15 A SUBDIVISION OF PARCEL 628

TAX MAP: 31 - GRID: 22 - PARCEL: 628 - ZONED: R-20 5333 KERGER ROAD ELECTION DISTRICT NO. 1 HOWARD COUNTY, MARYLAND

PLANNING BOARD #425 EXHIBIT VICINITY MAP, NOTES AND CHARTS

2706

OWNER/DEVELOPER: **ENGINEER:** SECURITY DEVELOPMENT, LLC BENCHMARK ENGINEERING, INC. PROJECT NO: DATE: DECEMBER, 2016 8480 BALTIMORE NATIONAL PIKE P.O. BOX 417 ELLICOTT CITY, MARYLAND 21041 SUITE 315 410-465-4244 ELLICOTT CITY, MARYLAND 21043 SCALE: SHEET: OF 2 AS SHOWN 1 410-465-6105

