#### **GENERAL NOTES**

- THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE
- 2. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED JULY 2014. OFFSITE TOPOGRAPHY FROM HOWARD COUNTY GIS.
- THE PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY PREPARED BY ROBERT H. VOGEL ENGINEERING, INC., DATED SEPTEMBER 2014. 4. 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. 3513 AND
- 5. THE SUBJECT PROPERTY IS ZONED "R-20" IN ACCORDANCE WITH THE 10 / 2013 COMPREHENSIVE ZONING PLAN AND AND IS SUBJECT TO THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE 10/2/03 PER
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- WATER FOR THIS PROJECT IS TO BE SERVICE CONNECTIONS FROM CONTRACT NO. 14-4794-D.
- SEWER FOR THIS PROJECT IS TO BE SERVICE CONNECTIONS FROM CONTRACT NO. 14-4794-D.
- IO. EXISTING UTILITIES LOCATED FROM TOPOGRAPHIC SURVEY AND AS—BUILT DRAWINGS. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
- 11. NO FLOODPLAIN IS LOCATED ONSITE.
- 12. NO STEEP SLOPES OVER 20,000 SF CONTIGUOUS ARE LOCATED ONSITE
- 13. FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT SHALL BE ADDRESSED BY A FOREST CONSERVATION PLAN SUBMITTED WITH A FUTURE SUBDIVISION PLAN.
- 14. NO WETLANDS OR STREAMS ARE PRESENT ON OR IMMEDIATELY ADJACENT TO THE SUBJECT PROPERTY, BASED ON ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES, NOVEMBER 2014
- 15. IN ACCORDANCE WITH SECTION 16.121(A)(2) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, THE OPEN SPACE REQUIREMENTS FOR THIS R-20 PROJECT IS 6% OF GROSS AREA (1.48 AC. GROSS AREA x 6% = 0.09 AC.). SHALL BE MET BY PAYMENT OF FEE-IN-LIEU.
- GEOTECHNICAL INVESTIGATIONS SHALL COMPLETED AS PART OF THE SITE DEVELOPMENT PLAN PACKAGE.
- 17. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT. A NOISE WALL IS REQUIRED FOR THIS SITE AND WILL BE CONSTRUCTED IN ACCORDANCE WITH SHA PROJECT HO-3175170 WHICH IS FUNDED FOR CONSTRUCTION.
- 18. NO PORTIONS OF THE SITE WOULD BE CONSIDERED FOREST AND NO SPECIMEN TREES ARE PRESENT ON THE SITE BASED ON ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES, NOVEMBER 2014
- 19. SHAKER DRIVE IS CLASSIFIED AS A MAJOR COLLECTOR. ACCESS SHALL BE VIA EXISTING DRIVEWAY TO SHAKER DRIVE AND AN EXTENSION OF AN EXISTING USE-IN-COMMON DRIVEWAY / STELLA GLEN 1 (F14-049).
- 20. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES, OR HISTORIC STRUCTURES LOCATED ON THIS PROPERTY.
- THE PROPOSED UNITS SHALL HAVE AN AUTOMATIC FIRE PROTECTION SPRINKLER SYSTEM.
- 22. STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF NON STRUCTURAL PRACTICES AND MICRO-SCALE PRACTICES IN ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA. MICRO-SCALE PRACTICES INCLUDE RAIN GARDENS (M-7) AND DRY WELLS (M-5), NON STRUCTURAL PRACTICES INCLUDE DISCONNECTION OF ROOFTOP (N-1) AND NON ROOFTOP RUNOFF (N-2). THESE FACILITIES WILL BE PRIVATELY
- 23. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

### NOTES:

1. ALL WATER CONNECTIONS SHALL BE 1-1/2" WITH 1" OUTSIDE METER SETTINGS, UNLESS OTHERWISE NOTED. REFER TO HOWARD COUNTY DETAILS W-3.28 OUTSIDE METER SETTINGS.

N. TOTAL NUMBER OF UNITS ALLOWED:

P. DPZ FILE REFERENCES:

TOTAL NUMBER OF UNITS PROPOSED:

ECP-13-024, CONT.#24-3108, WP-13-138, SP-13-009 & F-14-049.

#### **ENVIRONMENTAL SITE DESIGN NARRATIVE:**

- IN ACCORDANCE WITH THE DEVELOPMENT ENGINEERING DIVISION ECP CHECKLIST ITEM III.K.
- . PER MR. CANOLES OF ECO SCIENCE PROFESSIONALS INC. NO NATURAL AREAS / WETLANDS OR STREAMS ARE PRESENT ON OR IMMEDIATELY ADJACENT TO THE SUBJECT PROPERTY. NO DISTURBANCE TO A STREAM AND STREAM BUFFER, WETLAND AND WETLAND BUFFER RESOURCES
- 2. NO DRAMATIC DISTURBANCE TO THE NATURAL DRAINAGE PATTERNS ARE PROPOSED, PLEASE REFER TO THE
- 3. THE CONCEPTUAL REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN IS ACHIEVED THROUGH THE ENVIRONMENTAL SITE DESIGN (ESD) FOR THE PROJECT. THE ESD CONCEPT INCLUDES THE USE OF MICRO-SCALE PRACTICES TO INCLUDE MICRO-BIORETENTION FACILITIES (M-6), DRYWELLS (M-5) AND NON-STRUCTURAL PRACTICES: ROOFTOP (N-1) AND NON-ROOFTOP DISCONNECTION (N-2).
- 4. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH THE USE OF PROPOSED SILT FENCE PERIMETER CONTROLS. SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND SHALL BE APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.
- . STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET THROUGH THE USE OF MICRO-SCALE PRACTICES TO INCLUDE THE ESD CONCEPT INCLUDES THE USE OF MICRO-SCALE PRACTICES TO INCLUDE MICRO-BIORETENTION FACILITIES (M-6), DRYWELLS (M-5) AND NON-STRUCTURAL PRACTICES: ROOFTOP (N-1) AND NON-ROOFTOP DISCONNECTION (N-2). THE RESULTS OF THE ENVIRONMENTAL SITE DESIGN FOR THIS PROJECT WILL REFLECT "WOODS IN GOOD CONDITION".
- TARGET ESDv = 844 CUFT

6. AT THIS CONCEPT STAGE OF DEVELOPMENT, NO DESIGN MANUAL WAIVERS AND/OR WAIVER PETITIONS FOR ENVIRONMENTAL AND/OR STORMWATER MANAGEMENT DESIGN ARE REQUIRED.

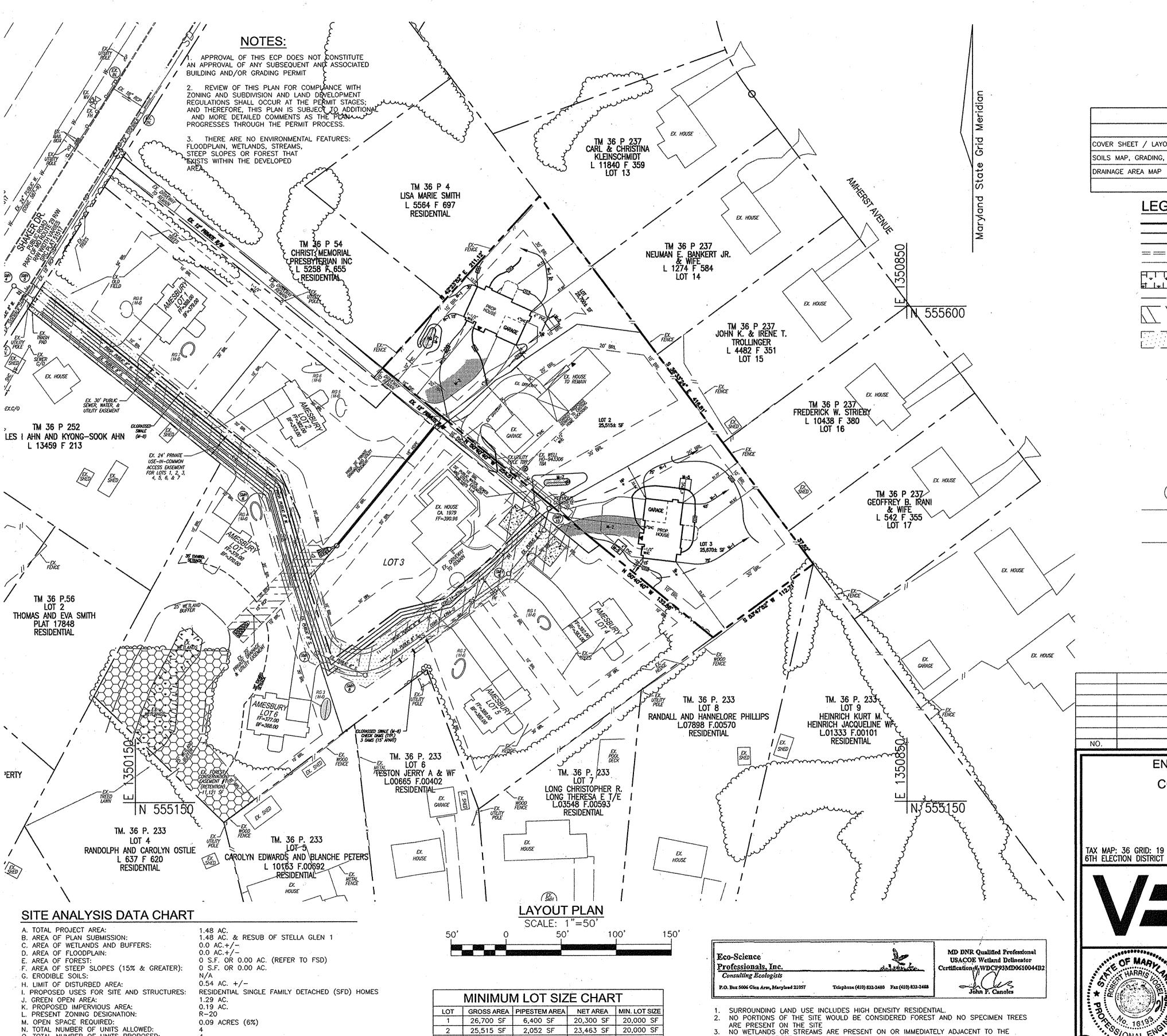
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

3-09-15

# ENVIRONMENTAL CONCEPT PLAN

## STELLA GLEN II LOTS 1 - 3

A SUBDIVISION OF PARCEL 346

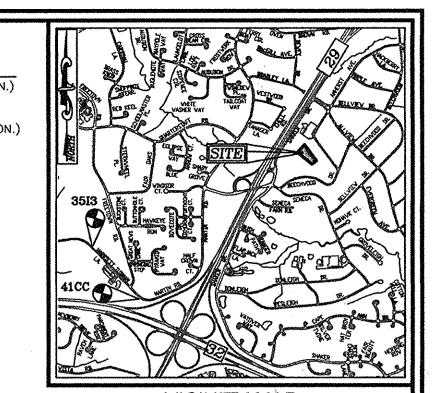


2 | 25,515 SF | 2,052 SF | 23,463 SF | 20,000 SF

3 25,670 SF 2,074 SF 23,596 SF 20,000 SF

**BENCHMARKS** 

HOWARD COUNTY BENCHMARK 3513 (CONC. MON.) N 553573.69 E 1346098.09 ELEV. 415.34 HARRIET TUBMAN LA. BY ATHOLTON HS HOWARD COUNTY BENCHMARK 41CC (CONC. MON.) MARTIN RD. NEAR CORNER OF FREETOWN RD. N 552494.26 E 1347062.39 ELEV. 399.95



VICINITY MAP SCALE: 1"=2,000' ADC MAP COORDINATE: 4935, B-10

SHEET INDEX	
DESCRIPTION	SHEET NO.
COVER SHEET / LAYOUT PLAN	1 OF 3
SOILS MAP, GRADING, EROSION AND SEDIMENT CONTROL PLAN	2 OF 3
DRAINAGE AREA MAP	3 OF 3

LEGEND:

EXISTING EDGE OF PAVING NON-STRUCTURAL ROOFTOP DISCONNECTIONS PROPOSED DRYWELL EXISTING UTILITY POLE EXISTING LIGHT POLE EXISTING MAILBOX EXISTING SANITARY MANHOLE EXISTING CLEANOUT EXISTING FIRE HYDRANT EXISTING WATER LINE **OWNER** 

> **DEVELOPER** TRINITY QUALITY HOMES, INC. 3675 PARK AVE., SUITÉ 301 ELLICOTT CITY, MD 21043 (410) 480-0023

MICHAEL PFAU 3675 PARK AVE., SUITE 301 ELLICOTT CITY, MD 21043

(410) 480-0023

**ENVIRONMENTAL CONCEPT PLAN** COVER SHEET / LAYOUT PLAN

STELLA GLEN II LOTS 1 - 3 A SUBDIVISION OF PARCEL 346

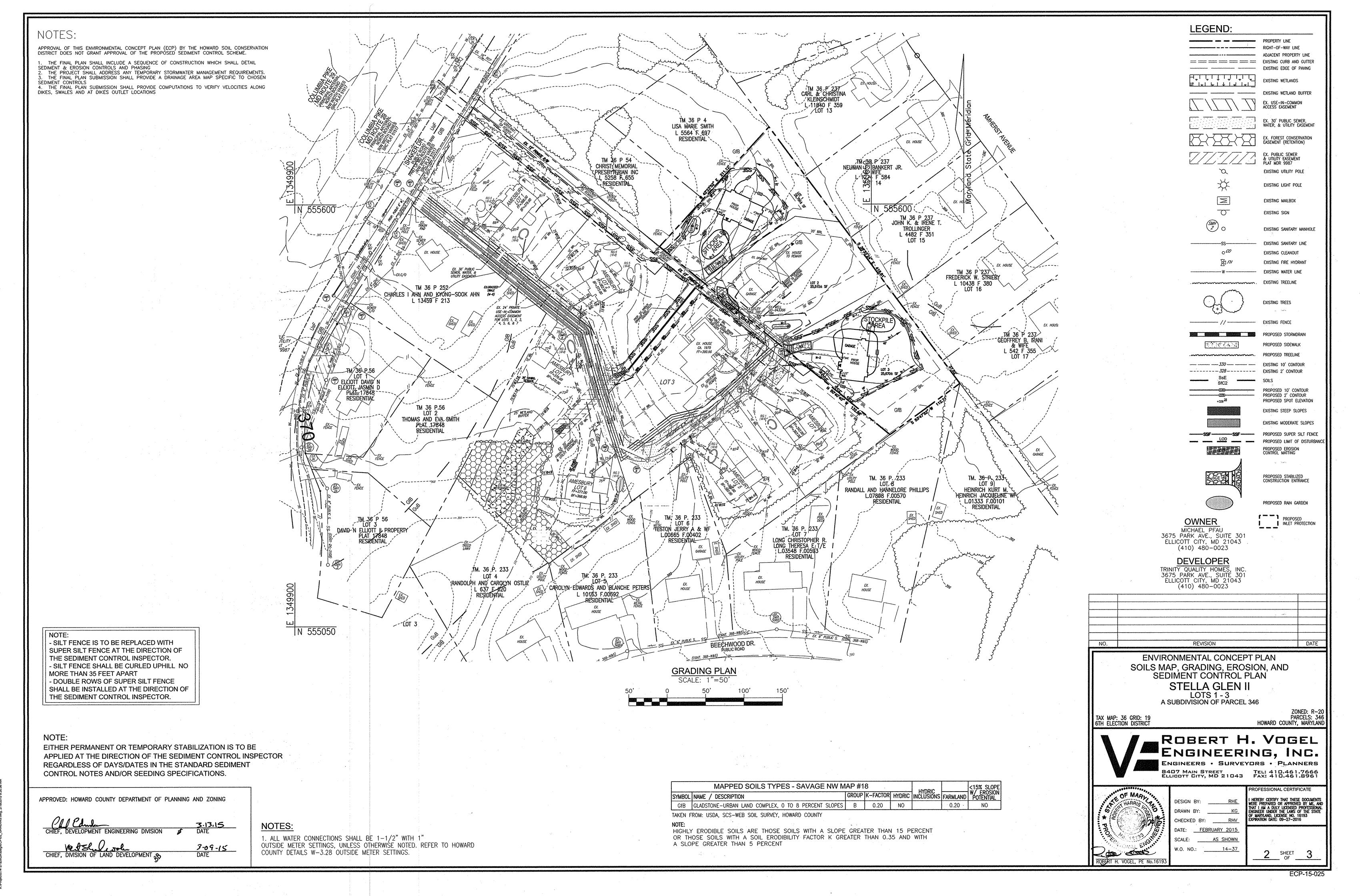
ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS • SURVEYORS • PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

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. 16193 EXPIRATION DATE: 09-27-2016

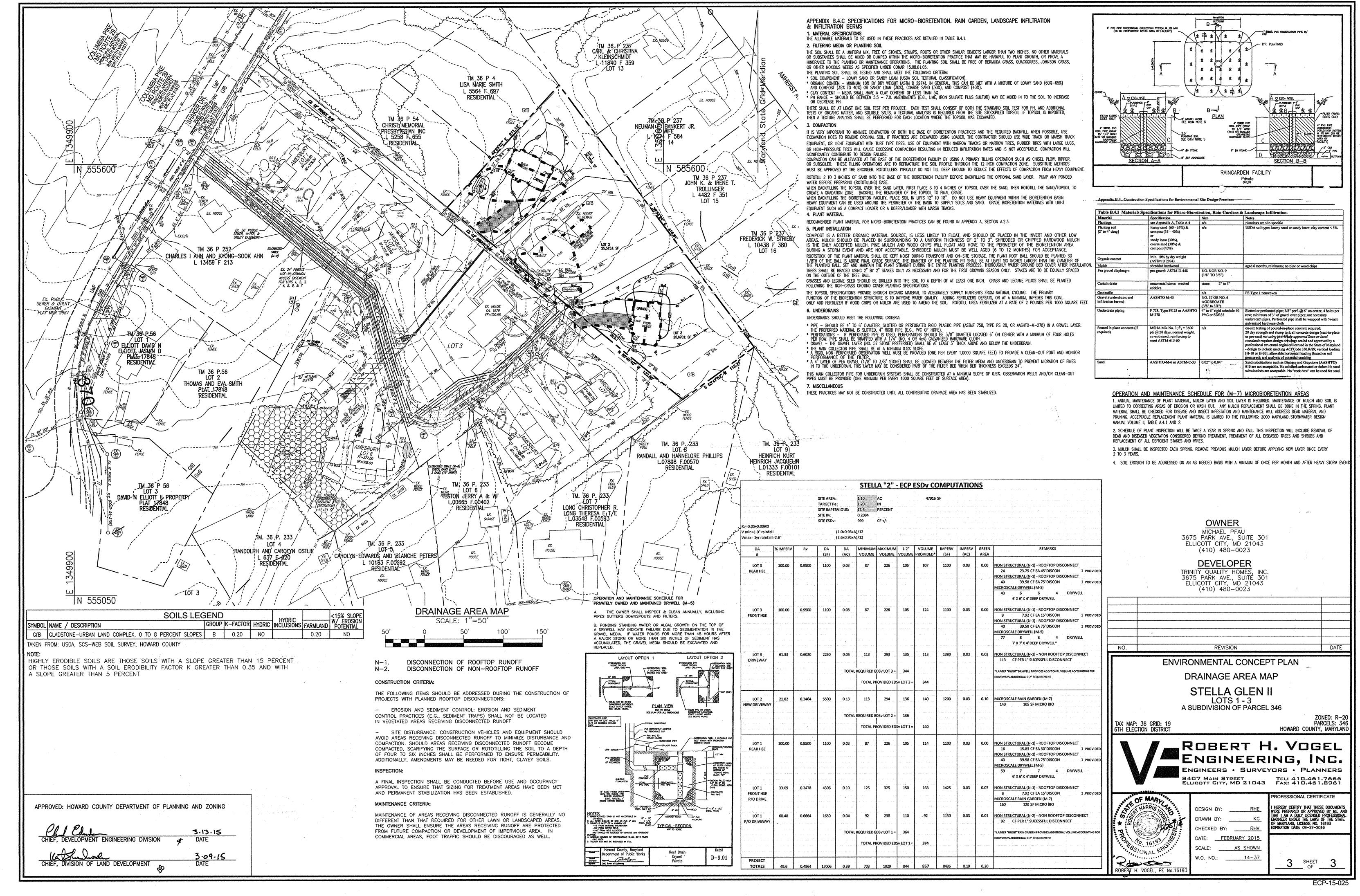
DATE

ZONED: R-20 PARCELS: 346

HOWARD COUNTY, MARYLAND



THE CHANGE STANDING THE CHINESE CONTRACT CONTRAC



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