

GENERAL NOTES:

1. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS OR ALTERNATIVE COMPLIANCE REQUESTS HAVE BEEN APPROVED.
2. THE INFORMATION SHOWN HEREON IS A COMBINATION OF THREE SURVEY TASKS. FIELDWORK FOR THE REAR OF THE LIBRARY BUILDING AND PARKING AREA WAS PERFORMED IN JANUARY, 2018. THE WEST AND NORTH SIDES WERE PERFORMED IN FEBRUARY, 2019. EAST SIDE WAS PERFORMED IN AUGUST, 2019. OFFSITE TOPOGRAPHY IS FROM HOWARD COUNTY GIS.
3. THE PROJECT BOUNDARY IS BASED ON PARCEL 0275 - PLAT 10361
4. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLAN COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 36HA (N:555116.606/E:1354381.451) AND 36EA (N:556986.803/E:1354535.280) WERE USED FOR THIS PROJECT.
5. THE SUBJECT PROPERTY IS ZONED "NT-OPEN SPACE" IN ACCORDANCE WITH THE 10/6/13 COMPREHENSIVE ZONING REGULATIONS AND FDP-212-A.
6. 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 100-YEAR FLOODPLAIN
7. THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
8. WATER FOR THIS PROJECT IS TO BE SERVICE CONNECTIONS FROM CONTRACT NO. 486-D
9. SEWER FOR THIS PROJECT IS TO BE SERVICE CONNECTIONS FROM CONTRACT NO. 795-15
10. EXISTING UTILITIES LOCATED FROM TOPOGRAPHIC SURVEY. 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. PER FEMA MAP 24027C0155D, THE PROJECT AREA IS CLASSIFIED AS 'ZONE X', AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
12. SLOPES 15% OR GREATER EXIST ON SITE. SEE SHEET 2 FOR APPROXIMATE LOCATIONS.
13. THIS PROPERTY IS ZONED NT (NEW TOWN) AND THEREFORE EXEMPT FROM FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202(b)(1)(IV) FOR A PLANNED UNIT DEVELOPMENT WHICH HAS PRELIMINARY DEVELOPMENT PLAN APPROVAL AND IS 50% OR MORE DEVELOPED BEFORE DECEMBER 31, 1992.
14. THERE ARE NO EXISTING WETLANDS ON THE PROPERTY PER NATIONAL WETLANDS INVENTORY ON WWW.FWS.GOV, AS WELL AS PER A SITE VISIT CONDUCTED IN OCTOBER, 2019.
15. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES OR HISTORIC STRUCTURES LOCATED ON THIS PROPERTY.
16. STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF MICRO BIORETENTION PRACTICES IN ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA.
17. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF AN 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 DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
18. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT GRANT APPROVAL OF THE PROPOSED SEDIMENT CONTROL SCHEME. THE FUTURE PLAN SHALL INCLUDE A SEQUENCE OF CONSTRUCTION WHICH SHALL DETAIL SEDIMENT AND EROSION CONTROLS AND PHASING AND ADDRESS THE PROJECT TEMPORARY STORMWATER MANAGEMENT REQUIREMENTS.

- NOTES:**
- PROPERTY PREVIOUSLY DESIGNED AND APPROVED UNDER SDP-92-075.
 - THE FOREST CONSERVATION EASEMENT IS SHOWN ON COUNTY GIS AS AN EASEMENT WITH RECREATION AND PARKS. THE EASEMENT WAS CREATED WITH FEE-IN-LIEU FUNDS.
 - THERE HAS BEEN COORDINATION WITH RECREATION AND PARKS TO RELOCATE THE PORTION OF THE FOREST CONSERVATION EASEMENT DISTURB BY THE PROPOSED WORK.
 - PER FDP-212-A, NO STRUCTURES WITHIN OPEN SPACE LAND USE AREAS SHALL BE LOCATED WITHIN 30' OF A PUBLIC RIGHT-OF-WAY OR WITHIN 25' OF ANY PROPERTY LINE UNLESS APPROVED BY HOWARD COUNTY PLANNING BOARD.

ENVIRONMENTAL SITE DESIGN NARRATIVE:

THE SITE IS LOCATED AT 6600 CRADLEROCK WAY COLUMBIA, MD. NORTH OF THE SITE IS EXISTING STREET (CRADLEROCK WAY), TO THE SOUTH IS EAST COLUMBIA LIBRARY PARK, TO THE WEST IS RESIDENTIAL HOMES ZONED IN NT, TO THE EAST A FIELD OWNED BY THE HOWARD COUNTY BOARD OF EDUCATION.

THIS PROJECT INCLUDES A NEW SENIOR RECREATIONAL CENTER APPROXIMATELY 31,500 GSF BUILDING WITH SIDEWALK IMPROVEMENTS, PARKING LOT ADDITION, TRAFFIC CIRCULATION IMPROVEMENTS, AND INSTALLING NEW UTILITIES.

THERE WILL BE AN INCREASE IN THE PROPERTY'S IMPERVIOUS AREA. HOWEVER, THERE WILL BE NO DISTURBANCE IN THE DRAINAGE PATTERN FOR THE SITE OR THE EXISTING SITE POND. THE FOREST CONSERVATION AREA SOUTH OF THE POND WILL NOT BE DISTURBED OR IMPACTED BY CONSTRUCTION IMPROVEMENTS. THERE IS NO PRESENCE OF STREAM OR WETLAND AREAS ON-SITE. THERE ARE STEEP SLOPES (GREATER THEN 15%) LOCATED ON-SITE. SEE SHEET 2 FOR APPROXIMATE LOCATION OF STEEP SLOPES. DUE TO THE DESIRED LOCATION OF THE PROPOSED BUILDING, FOREST CONSERVATION EASEMENTS AND STEEP SLOPES WILL BE DISTURBED. THE SITE HAS BEEN DESIGNED TO MINIMIZE IMPACTS TO BOTH OF THESE AREAS.

STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET THROUGH THE USE OF MICRO BIORETENTION USING ENVIRONMENTAL SITE DESIGN PRACTICE. THE SITE QUALIFIES FOR REDEVELOPMENT.

ESDv REQUIRED = 6,004 CF
ESDv PROVIDED = 6,205 CF

REQUIRED Rev = 305 CF
PROVIDED Rev = 1,551 CF

MAPPED SOIL TYPES

SYMBOL	NAME/DESCRIPTION	GROUP	'K' FACTOR
GhB	Glenelg-Urban land Complex	B	0.43
UuB	Urban Land-Udor'thents Complex	D	-

SOILS INFORMATION TAKEN FROM USDA NRCS FOR HOWARD COUNTY

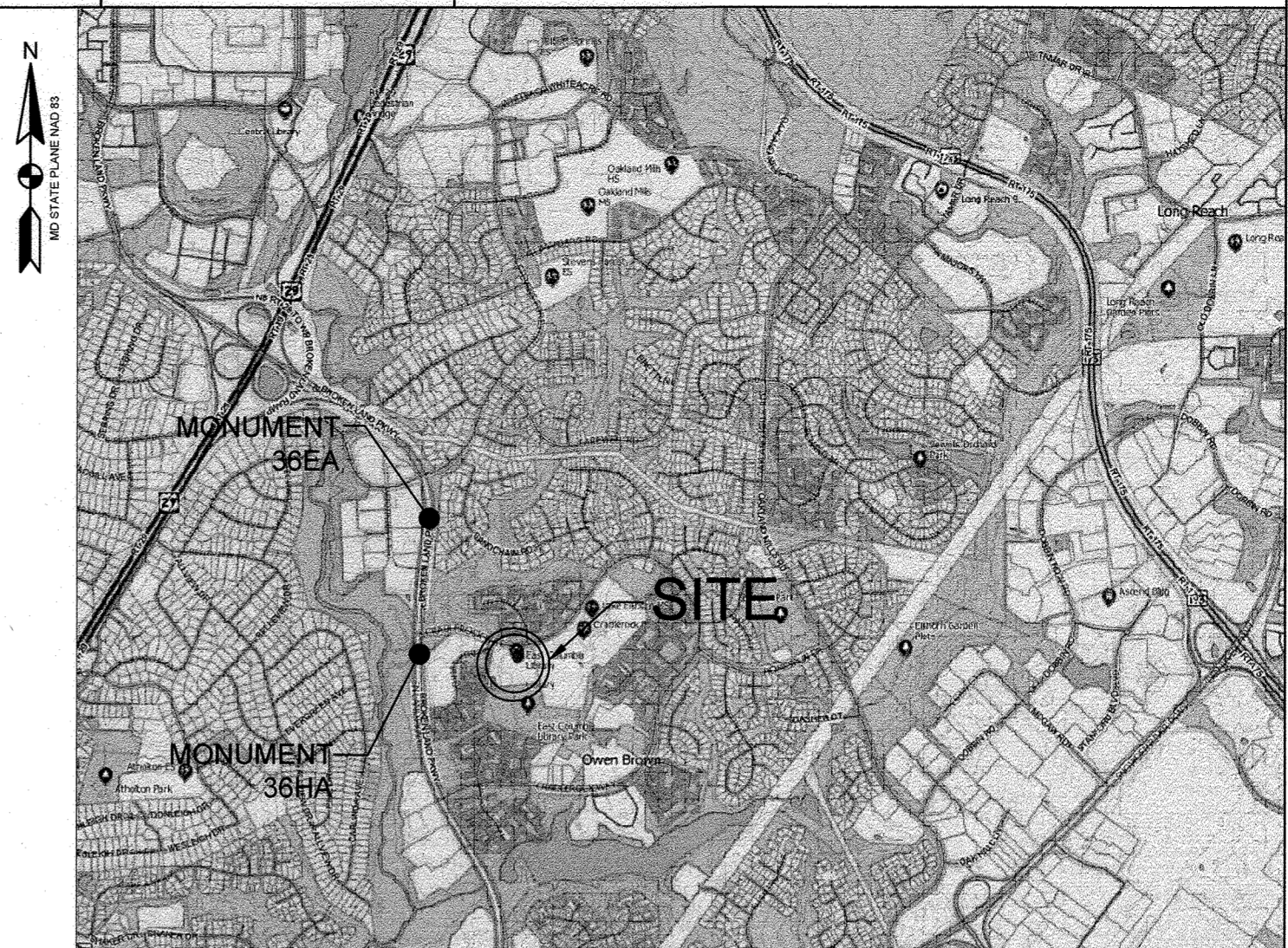
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief Development Engineering
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 2/9/22

Chief Land Development
CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 1/3/22

EAST COLUMBIA 50+ CENTER ENVIRONMENTAL CONCEPT #20-003

Tax Map 36, Parcel 0275, Lot A-1/B-1
6600 CRADLEROCK WAY
COLUMBIA, MD 21045



VICINITY MAP

SCALE 1" = 2000'
HOWARD COUNTY, MD ADC MAP 33/GRID C4
6600 CRADLEROCK WAY COLUMBIA, MD 21046

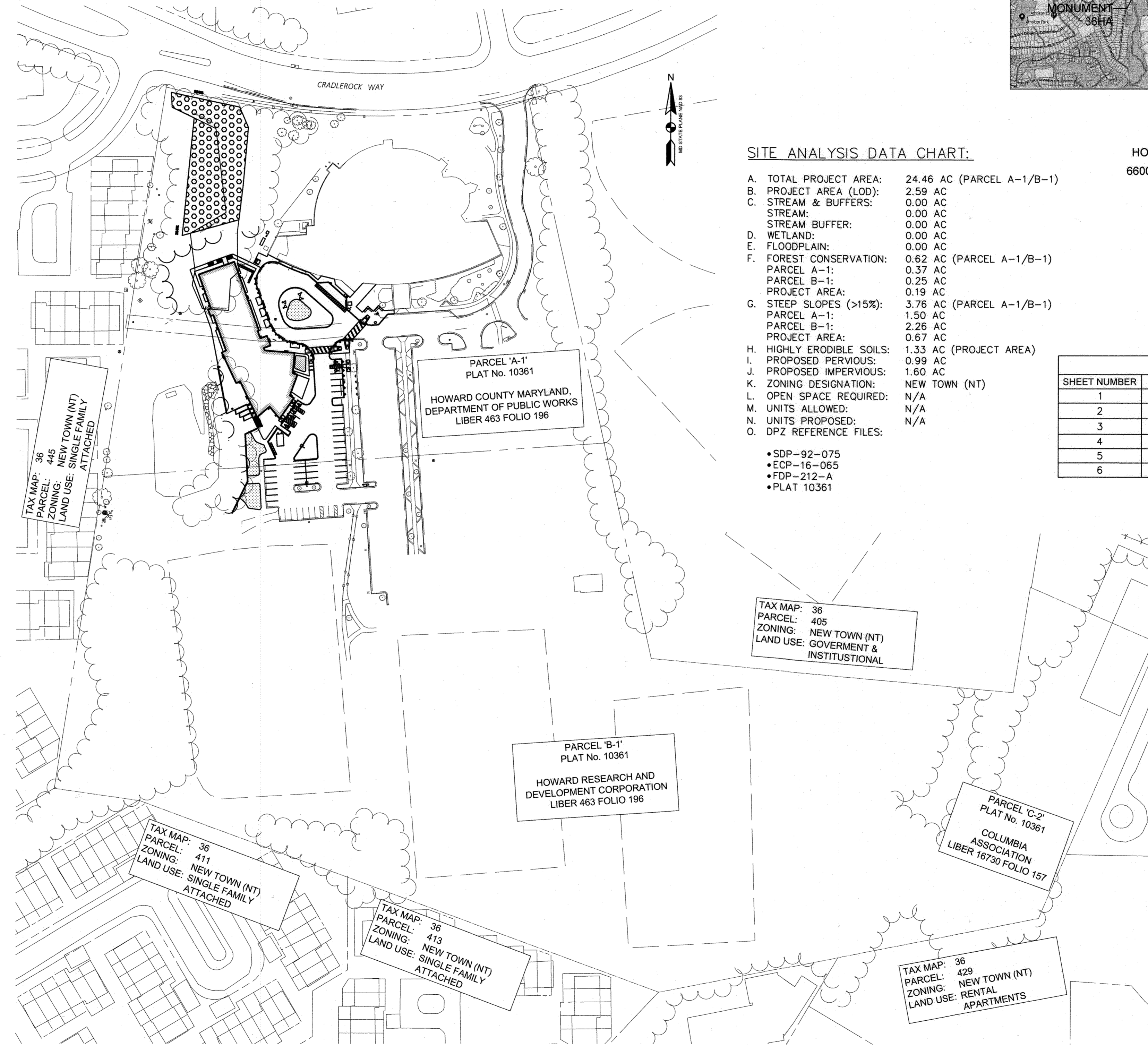
SITE ANALYSIS DATA CHART:

A. TOTAL PROJECT AREA:	24.46 AC (PARCEL A-1/B-1)
B. PROJECT AREA (LOD):	2.59 AC
C. STREAM & BUFFERS:	0.00 AC
STREAM:	0.00 AC
STREAM BUFFER:	0.00 AC
D. WETLAND:	0.00 AC
E. FLOODPLAIN:	0.00 AC
F. FOREST CONSERVATION:	0.62 AC (PARCEL A-1/B-1)
PARCEL A-1:	0.37 AC
PARCEL B-1:	0.25 AC
PROJECT AREA:	0.19 AC
G. STEEP SLOPES (>15%):	3.76 AC (PARCEL A-1/B-1)
PARCEL A-1:	1.50 AC
PARCEL B-1:	2.26 AC
PROJECT AREA:	0.67 AC
H. HIGHLY ERODIBLE SOILS:	1.33 AC (PROJECT AREA)
I. PROPOSED PERVIOUS:	0.99 AC
J. PROPOSED IMPERVIOUS:	1.60 AC
K. ZONING DESIGNATION:	NEW TOWN (NT)
L. OPEN SPACE REQUIRED:	N/A
M. UNITS ALLOWED:	N/A
N. UNITS PROPOSED:	N/A
O. DPZ REFERENCE FILES:	

- SDP-92-075
- ECP-16-065
- FDP-212-A
- PLAT 10361

ECP SHEET INDEX

SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	OVERALL EXISTING CONDITIONS PLAN (GIS)
3	EXISTING CONDITIONS PLAN (SURVEY)
4	ENVIRONMENTAL CONCEPT PLAN
5	ENVIRONMENTAL CONCEPT PLAN
6	DRAINAGE AREA MAP



OWNER / APPLICANT

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COLUMBIA, MD 21045
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TEL: 410-313-6386 MOBILE: 301-717-8417

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TEL: 301-881-2645

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OWNER-PARCEL B-1
THE HOWARD RESEARCH AND
DEVELOPMENT CORPORATION
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MEP ENGINEER
JAMES POSEY AND ASSOCIATES, INC.
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BALTIMORE, MD 21244

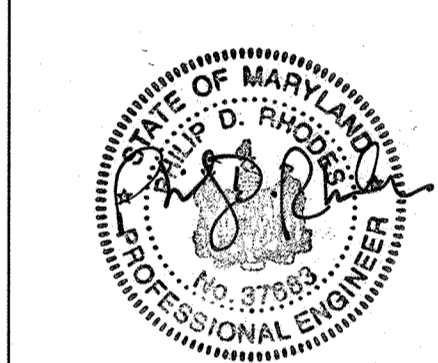
CIVIL ENGINEER
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LANDSCAPE ARCHITECT
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4200 WASHINGTON AVE. NW, SUITE LL9
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SEAL
PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME AND THAT I AM A FULLY LICENSED
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER 37089, EXPIRATION DATE 07/31/2021

PROJECT NAME:

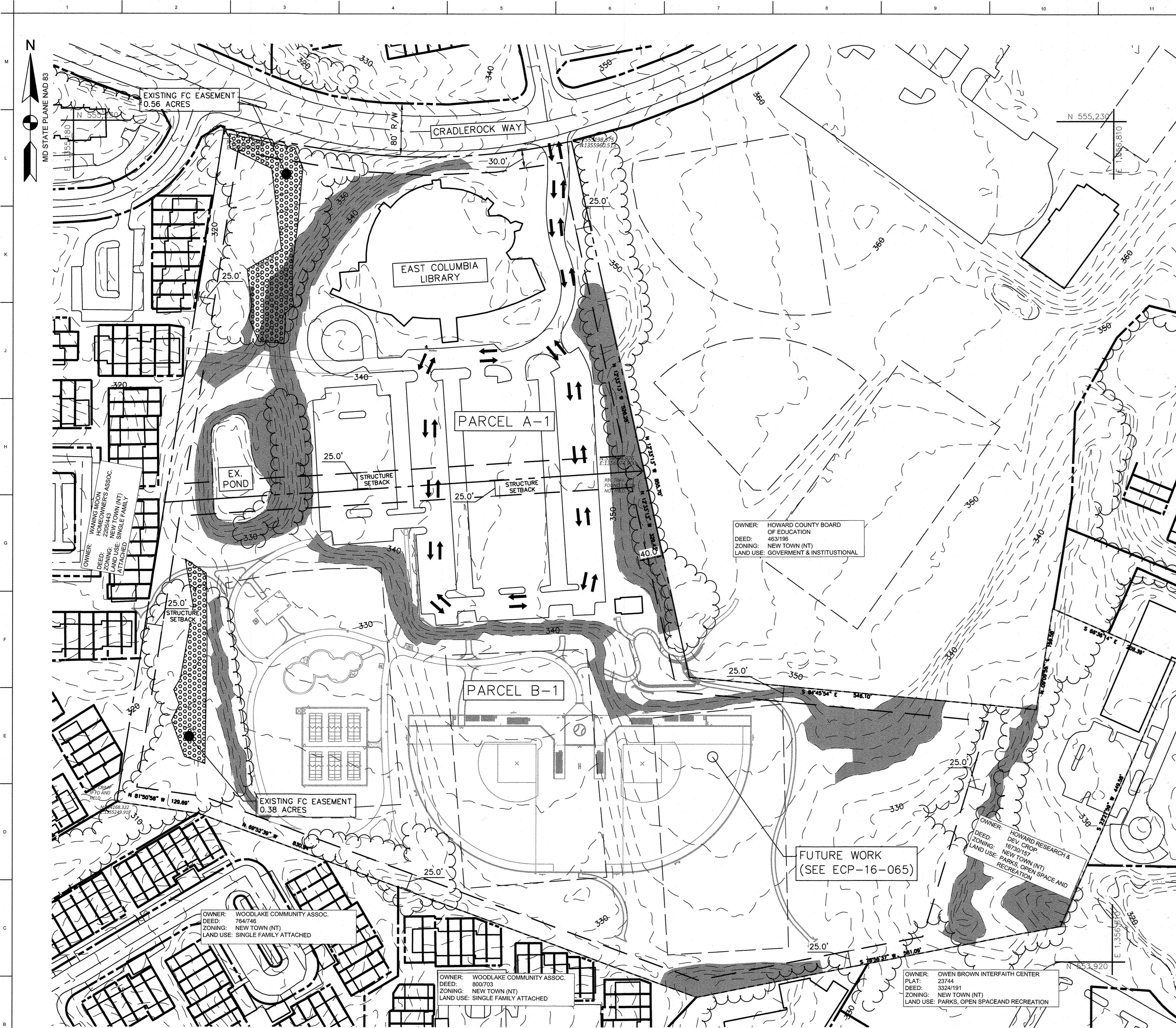
**EAST
COLUMBIA
50+ CENTER**

ADDRESS: 6600 CRADLEROCK WAY
COLUMBIA, MD 21045
TAX MAP: 36 / GRID: 21 / PARCEL: 275
LOT: A1 & B1
ZONING: NEW TOWN (NT)
ELECTION DISTRICT: 6

MARK DATE DESCRIPTION

MARK	DATE	DESCRIPTION

COVER SHEET



LEGEND

- PROPERTY LINE
- ROADWAY CENTERLINE
- SPORTS FIELD
- CONTOURS
- EDGE OF PAVEMENT
- TREE LINE
- SETBACK LINE
- SITE ACCESS
- BUILDING
- STEEP SLOPES (>=15%)
- HOWARD COUNTY RECREATION AND PARKS FEE-IN-LIEU FOREST CONSERVATION EASEMENT (PLAT: 00463/0196)

NOTE: EXISTING INFORMATION BASED ON HOWARD COUNTY GIS INFORMATION. SEE SHEET 3 FOR SURVEY INFORMATION.

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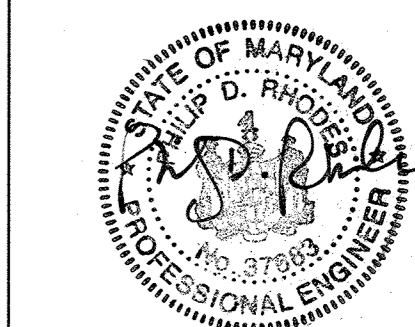
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ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER 37883, EXPIRATION DATE 07/13/2021

PROJECT NAME:
EAST COLUMBIA 50+ CENTER
ADDRESS: 6600 CRADLEROCK WAY
COLUMBIA, MD 21045
TAX MAP: 36 / GRID: 21 / PARCEL: 275
LOT: A1 & B1
ZONING: NEW TOWN (NT)
ELECTION DISTRICT: 6

MARK	DATE	DESCRIPTION

OVERALL EXISTING CONDITONS PLAN

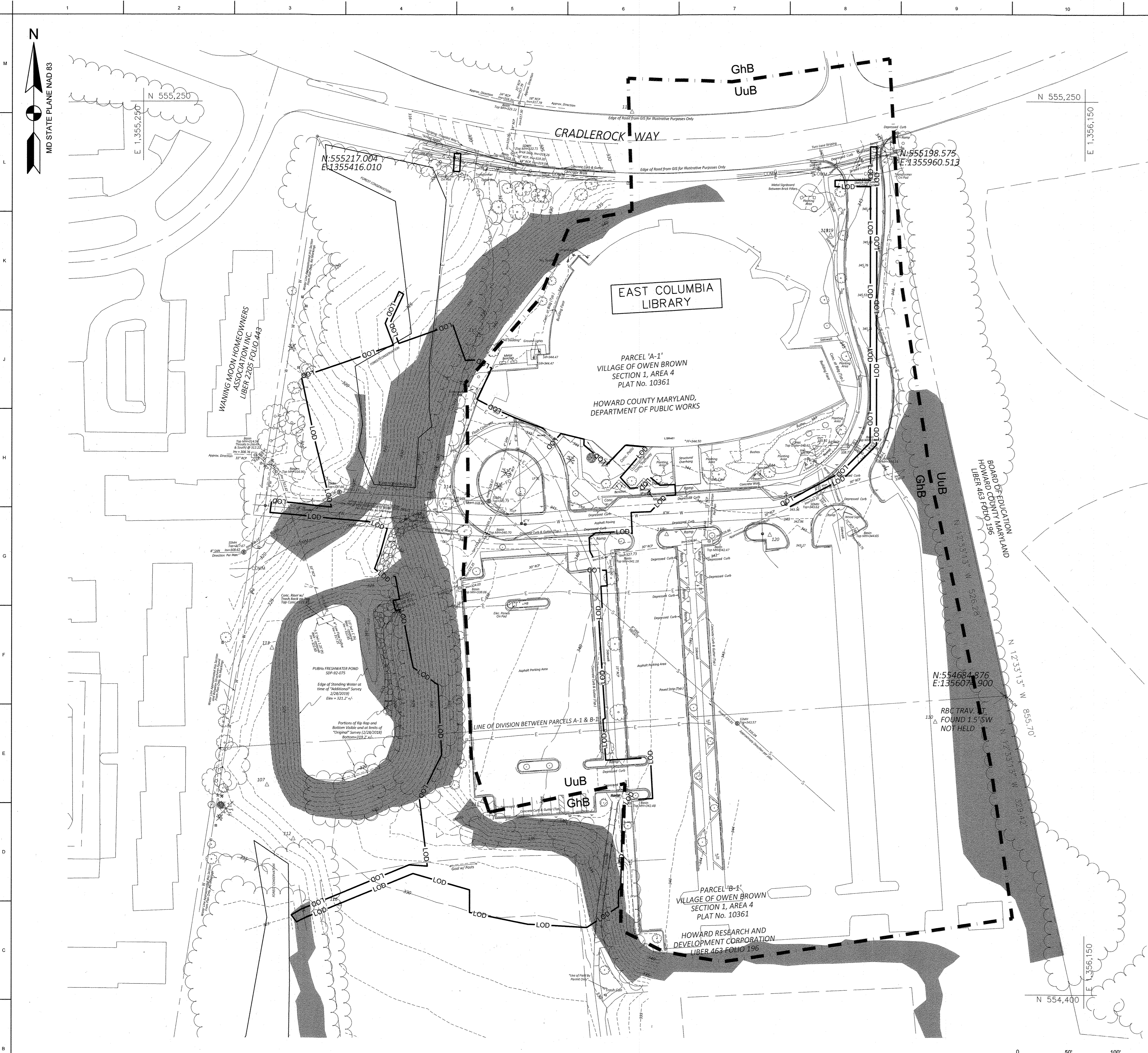
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 2/9/22
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 1/31/22
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

OWNER / APPLICANT
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LEGEND

- | | | | |
|------|------------------------|------|---------------------------------|
| △ | SURVEY PROJECT CONTROL | □ HB | HANDBOX |
| ⊗ | CABLE BOX | ▨ | RIPRAP |
| ⊕ LP | LIGHT POLE | --- | LOT LINES PER PLAT |
| ⊕ | SIGN | --- | INDEX CONTOUR (5') |
| ⊕ | DECIDUOUS TREE | --- | INTERMEDIATE CONTOUR (1') |
| ⊕ | CONIFEROUS TREE | --- | TREELINE |
| ⊕ | BUSH | --- | HANDRAIL |
| ⊕ | CLEANOUT | --- | UNDERGROUND ELECTRIC LINE |
| ⊕ | SANITARY SEWER MANHOLE | --- | UNDERGROUND SANITARY SEWER LINE |
| ⊕ | STORM DRAIN MANHOLE | --- | UNDERGROUND STORM DRAIN LINE |
| ⊕ | TELEPHONE JUNCTION BOX | --- | UNDERGROUND WATER LINE |
| ⊕ | WATER VALVE OR METER | --- | UNDERGROUND GAS LINE |
| ⊕ | GAS VALVE OR METER | --- | UNDERGROUND COMMS LINE |
| ⊕ | MAILBOX | --- | UNDERGROUND FIBER OPTICS |
| --- | LOD | --- | LIMIT OF DISTURBANCE |
| GhB | | --- | SOIL BOUNDARIES |
| UuB | | | |

GENERAL NOTES

- The purpose of this survey was to gather topographic information in the requested limits of others on the property the East Columbia Library.
- Locations and Coordinates, and Elevations of the Project Control shown hereon and improvements is referenced to the Maryland State Plane Coordinate System NAD83(2011) and NAVD88 respectively, being established by GPS RTK/RTN localized to Howard County Control Stations 36EA, 36HB, 37IC, and 42B2.
- Property information shown hereon is per the online research of the Howard County Survey Division. The lots shown on the Subdivision Plots of Record were best fit and rotated to physical property corner evidence found in previous survey efforts. No full property or boundary surveys were performed, and no title reports were provided nor reviewed.
- Utility information shown hereon is based on a combination of :
 - the field location of observed above ground evidence and field measured inverts for sanitary sewer and storm drain
 - the field location of point markings made by AMT (A. Morton Thomas & Associates) in February, 2019. (Gas, Electric, Water, and Fiber/Comms lines shown hereon)
 - plan info for waterline along west side of project area
 Other utility lines may exist and no further plan review was performed by Howard County.
 Howard County Surveys makes no guarantee that all utility lines in the project area are represented hereon, and that the accuracy of those shown taken from plan and/or markings by others.
- Trees are shown hereon sized proportionately based on trunk size and a mathematical formula. They may or may not represent the limit of dripline
- The information shown hereon is a combination of two survey tasks. Fieldwork for basically the rear of the library building and parking area was performed in January, 2018. The west and north sides were performed in February, 2019

DESIGN AND CONSTRUCTION DIVISION
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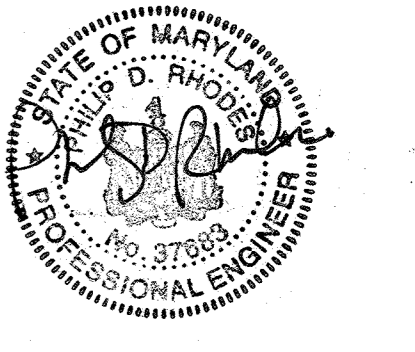
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ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER 37683. EXPIRATION DATE 07/31/2021

PROJECT NAME:
EAST COLUMBIA 50+ CENTER
ADDRESS: 6600 CRADLEROCK WAY
COLUMBIA, MD 21045
TAX MAP: 36 / GRID: 21 / PARCEL: 275
LOT: A1 & B1
ZONING: NEW TOWN (NT)
ELECTION DISTRICT: 6

MARK	DATE	DESCRIPTION

EXISTING CONDITIONS PLAN

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 2-9-22

 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 1/3/22

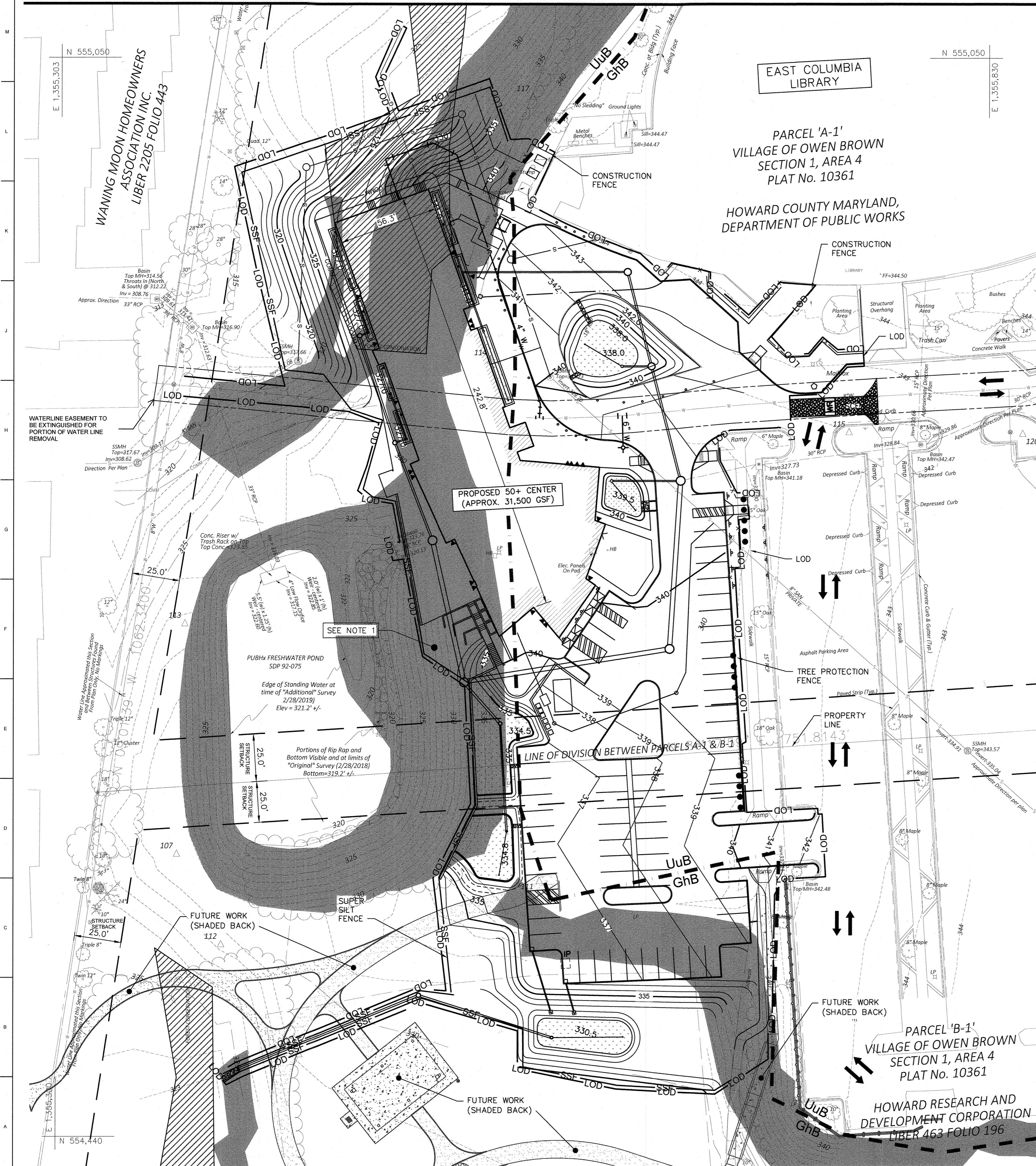
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ECP #20-003

MATCH LINE - SEE SHEET 5



EAST COLUMBIA LIBRARY

PARCEL 'A-1'
VILLAGE OF OWEN BROWN
SECTION 1, AREA 4
PLAT No. 10361

HOWARD COUNTY MARYLAND,
DEPARTMENT OF PUBLIC WORKS

PARCEL 'B-1'
VILLAGE OF OWEN BROWN
SECTION 1, AREA 4
PLAT No. 10361

HOWARD RESEARCH AND
DEVELOPMENT CORPORATION
LIBER 463 FOLIO 196



LEGEND

- LOD — LIMIT OF DISTURBANCE
- SSF — SUPER SILT FENCE
- X — CONSTRUCTION FENCE
- SF — SILT FENCE
- CIP [] CURB INLET PROTECTION
- SCC [] STABILIZED CONSTRUCTION ENTRANCE
- WR WASH RACK
- - - 390 - - - EXISTING CONTOURS
- - - - - PROPERTY LIMITS
- TREE PROTECTION FENCE
- [Hatched Box] NEW BUILDING
- [Dotted Box] NEW STORMWATER MANAGEMENT FACILITY
- S — NEW STORM PIPE
- W — NEW SANITARY LINE
- W — NEW WATER LINE
- - - - - SETBACK LINE
- [Diagonal Hatched Box] FOREST CONSERVATION EASEMENT (PLAT: 00463/0196)
- [Solid Black Box] STEEP SLOPES (>15%)
- 400 — PROPOSED CONTOUR
- ↔ ↔ SITE ACCESS
- UuB GhB SOIL BOUNDARY

- NOTES:**
- ALL HIGHLY ERODIBLE SOILS WITHIN THE PROJECT AREA (LOD) SHALL BE STABILIZED WITH TEMPORARY SOIL STABILIZATION MATTING (2.0 LB/SF). HIGHLY ERODIBLE SOILS ARE SOILS WITH A K-FACTOR > 0.35 AND STEEPER THEN 5% , OR SOILS WITH A K-FACTOR < 0.35 AND SLOPES GREATER THEN 15%.

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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 2.9.22 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION
[Signature] 1/11/22 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT

ECP #20-003

DESIGN AND CONSTRUCTION DIVISION
BUREAU OF FACILITIES
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HOWARD COUNTY, MARYLAND

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STRUCTURAL ENGINEER
CARROLL ENGINEERING, INC.
215 SCHILLING CIRCLE, SUITE 102
HUNT VALLEY, MD 21031

MEP ENGINEER
JAMES POSEY AND ASSOCIATES, INC.
3112 LORD BALTIMORE, DRIVE,
BALTIMORE, MD 21244

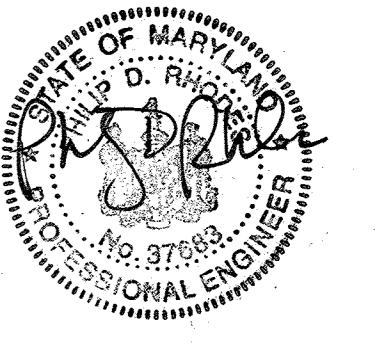
CIVIL ENGINEER
A. MORTON THOMAS & ASSOCIATES, INC.
800 KING FARM BOULEVARD, 4TH FLOOR,
ROCKVILLE, MD 20852

LANDSCAPE ARCHITECT
SITE RESOURCES, INC.
14315 JARRETTVILLE PIKE, PO BOX 249
PHOENIX, MD 21131-0249

AV ENGINEER
CONVERGENT TECHNOLOGIES DESIGN
GROUP
6501 YPRK ROAD, BALTIMORE, MD 21212

KITCHEN CONSULTANT
NYKOS ASSOCIATES INC
18219 A FLOWER HILL WAY
GAITHERSBURG, MD 20879

GEOTECHNICAL ENGINEERING
SCHNABEL ENGINEERING DC, INC
4200 WASHINGTON AVE. NW, SUITE LL9
WASHINGTON, DC 20016

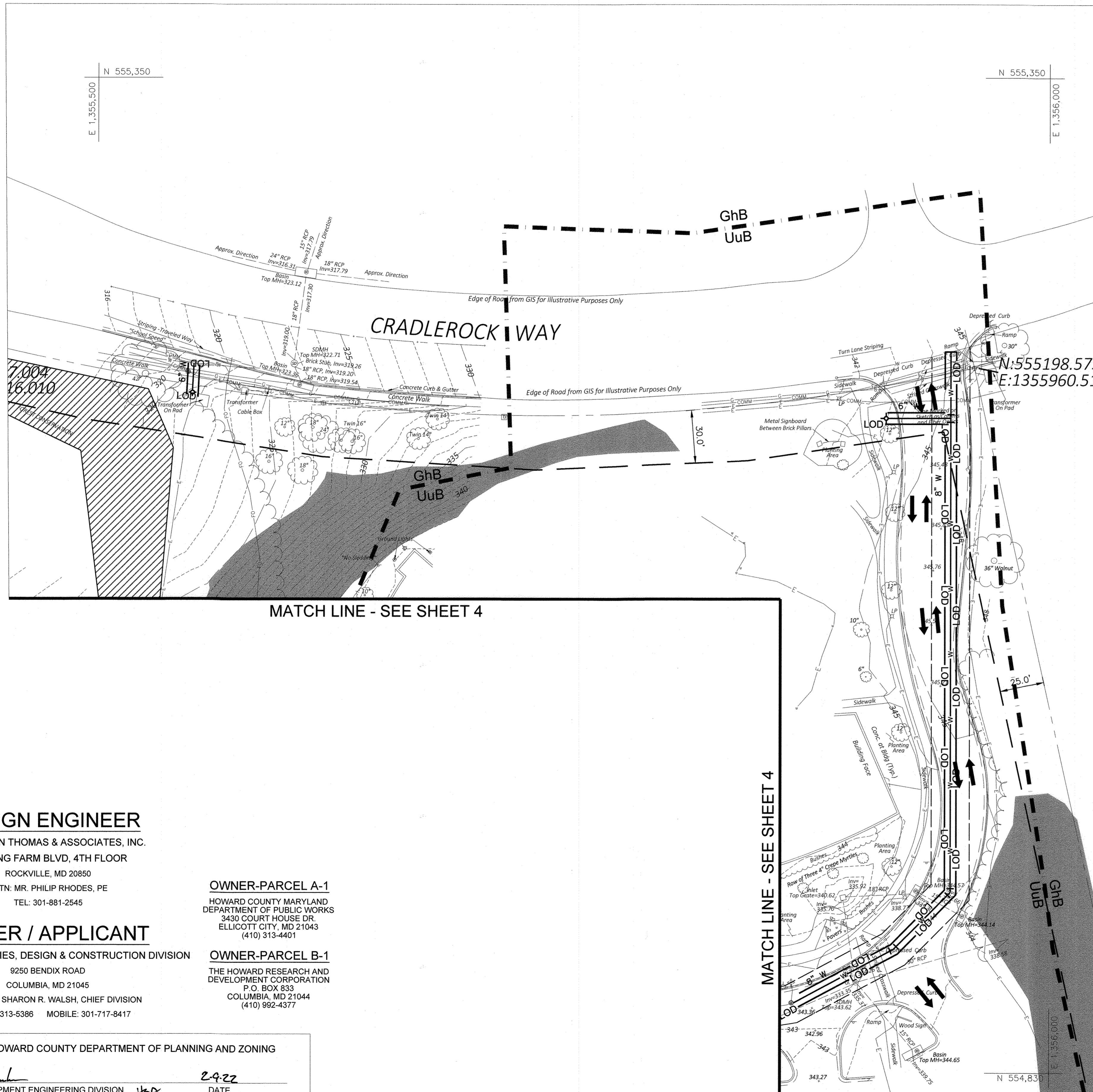


SEAL
PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
APPROVED BY ME AND THAT I AM A FULLY LICENSED
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER 37588. EXPIRATION DATE 01/15/2021

PROJECT NAME:
EAST COLUMBIA 50+ CENTER
ADDRESS: 8600 CRADLEROCK WAY
COLUMBIA, MD 21045
TAX MAP: 36 / GRID: 21 / PARCEL: 275
LOT: A1 & B1
ZONING: NEW TOWN (NT) ELECTION DISTRICT: 6

MARK	DATE	DESCRIPTION

ENVIRONMENTAL CONCEPT PLAN



DESIGN ENGINEER

A. MORTON THOMAS & ASSOCIATES, INC.
 800 KING FARM BLVD, 4TH FLOOR
 ROCKVILLE, MD 20850
 ATTN: MR. PHILIP RHODES, PE
 TEL: 301-881-2545

OWNER / APPLICANT

BUREAU OF FACILITIES, DESIGN & CONSTRUCTION DIVISION
 9250 BENDIX ROAD
 COLUMBIA, MD 21045
 ATTN: MRS. SHARON R. WALSH, CHIEF DIVISION
 TEL: 410-313-6386 MOBILE: 301-717-8417

OWNER-PARCEL A-1
 HOWARD COUNTY MARYLAND
 DEPARTMENT OF PUBLIC WORKS
 3430 COURT HOUSE DR.
 ELLICOTT CITY, MD 21043
 (410) 313-4401

OWNER-PARCEL B-1
 THE HOWARD RESEARCH AND
 DEVELOPMENT CORPORATION
 P.O. BOX 833
 COLUMBIA, MD 21044
 (410) 992-4377

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Philip Rhodes
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 2/22/22

Sharon Walsh
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 1/31/22

LEGEND

- LOD —— LIMIT OF DISTURBANCE
- - - - 390 - - - - EXISTING CONTOURS
- - - - - PROPERTY LIMITS
- - - - - PROPOSED WATER EASEMENT
- - - - - SETBACK LINE
- FOREST CONSERVATION EASEMENT (PLAT: 00463/0196)
- STEEP SLOPES (>15%)
- SITE ACCESS
- - - - UuB - - - - SOIL BOUNDARY
- - - - GhB - - - - SOIL BOUNDARY

NOTE: PROPOSED WATER IMPROVEMENTS SHOWN ON THIS PLAN WILL BE CONSTRUCTED UNDER DAILY STABILIZATION AND WILL NOT REQUIRE EROSION & SEDIMENT CONTROL MEASURES.

DESIGN AND CONSTRUCTION DIVISION
 BUREAU OF FACILITIES
 DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

ARCHITECTS

QUINN EVANS ARCHITECTS
 100 N. CHARLES STREET
 14TH FLOOR
 BALTIMORE, MD 21201
 410 - 576 - 0440

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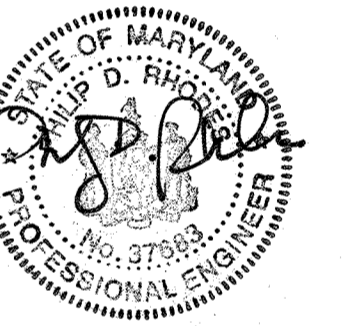
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PROJECT NAME:

**EAST
 COLUMBIA
 50+ CENTER**

ADDRESS: 6600 CRADLEROCK WAY
 COLUMBIA, MD 21045
 TAX MAP: 36 / GRID: 21 / PARCEL: 275
 LOT: A1 & B1
 ZONING: NEW TOWN (NT)
 ELECTION DISTRICT: 6

MARK	DATE	DESCRIPTION

**ENVIRONMENTAL
 CONCEPT PLAN**

E 1,355,200
N 555,050

N 555,050
E 1,355,830

E 1,355,200
N 554,500

WANING MOON HOMEOWNERS
ASSOCIATION INC.
LIBER 2205 FOLIO 443

PARCEL 'A-1'
VILLAGE OF OWEN BROWN
SECTION 1, AREA 4
PLAT No. 10361

HOWARD COUNTY MARYLAND,
DEPARTMENT OF PUBLIC WORKS



LEGEND

- LOD LIMIT OF DISTURBANCE
- NEW BUILDING
- NEW STORMWATER FACILITY
- NEW STORM PIPE
- NEW SANITARY LINE
- NEW WATER LINE
- NEW DRAINAGE DIVIDE
- EXISTING CONTOUR
- NEW CONTOUR

STORMWATER SUMMARY:

WE ARE PROVIDING A TOTAL OF 12 MICRO BIORETENTION FACILITIES, 7 MICRO-BIO BOXES AND 5 AT GRADE MICRO BIORETENTION. EACH FACILITY WILL HAVE AN OVERFLOW NYLOPLAST STRUCTURE WITH A PERFORATED PIPE AND 6-INCH CLEAN OUT.

WAIVER REQUEST: NO

- MB-1 ESDv= 132 CF, Rev= 33 CF, 12 INCH PONDING
- MB-2 ESDv= 91 CF, Rev= 23 CF, 12 INCH PONDING
- MB-3 ESDv= 85 CF, Rev= 21 CF, 12 INCH PONDING
- MB-4 ESDv= 135 CF, Rev= 34 CF, 12 INCH PONDING
- MB-5 ESDv= 73 CF, Rev= 18 CF, 12 INCH PONDING
- MB-6 ESDv= 68 CF, Rev= 17 CF, 12 INCH PONDING
- MB-7 ESDv= 205 CF, Rev= 51 CF, 11 INCH PONDING
- MB-8 ESDv= 1056 CF, Rev= 264 CF, 11 INCH PONDING
- MB-9 ESDv= 1427 CF, Rev= 357 CF, 10 INCH PONDING
- MB-10 ESDv= 1249 CF, Rev= 312 CF, 12 INCH PONDING
- MB-11 ESDv= 1185 CF, Rev= 296 CF, 12 INCH PONDING
- MB-12 ESDv= 499 CF, Rev= 125 CF, 12 INCH PONDING

ESDv REQUIRED = 6,004 CF
ESDv PROVIDED = 6,205 CF

REQUIRED Rev = 305 CF
PROVIDED Rev = 1,551 CF

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LICENSE NUMBER 37663, EXPIRATION DATE 07/31/2021

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TAX MAP: 36 / GRID: 21 / PARCEL: 275
LOT: A1 & B1
ZONING: NEW TOWN (NT)
ELECTION DISTRICT: 6

MARK	DATE	DESCRIPTION

DRAINAGE AREA MAP

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 2.9.22

CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 1/21/22

MICRO BIORETENTION #11
DRAINAGE AREA= 15643 SF
SURFACE AREA= 908 SF
ESDv PROVIDED= 1185 CF
PE PROVIDED= 1.60"

PARCEL 'B-1'
VILLAGE OF OWEN BROWN
SECTION 1, AREA 4
PLAT No. 10361

HOWARD RESEARCH AND
DEVELOPMENT CORPORATION
LIBER 463 FOLIO 196

SCALE: 1"=30'