

SEE MATCHLINE SHEET SDP-03

LEGEND

- EX. LOT LINE
- EX. BUILDING FOOTPRINT
- EX. BUILDING SETBACK
- EX. SIDEWALK
- EX. RETAINING WALL
- ☆ EX. STREET LIGHT (LED-100 COLONIAL)
- ☆ EX. STREET LIGHT (LED-150 COLONIAL)
- EX. UTILITY EASEMENT
- EX. TEMPORARY ROADWAY EASEMENT
- EX. GRADING EASEMENT
- EX. PUBLIC STREET TREE & SIDEWALK MAINTENANCE EASEMENT
- EX. PUBLIC STREET TREE EASEMENT
- EX. PRIVATE SURFACE DRAINAGE ESMT.
- PR. DRIVEWAY PAVEMENT
- EX. SURFACE DRAINAGE EASEMENT

LANDSCAPE LEGEND

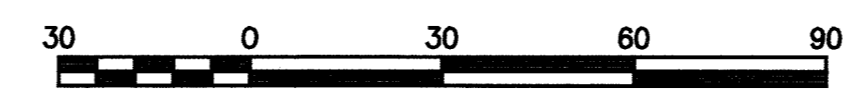
- EX. STREET SHADE TREE
- EX. PARKING SHADE TREE
- EX. BUFFER SHADE TREE
- EX. BUFFER EVERGREEN TREE
- EX. RESIDENTIAL SHADE TREE
- EX. RESIDENTIAL ORNAMENTAL TREE
- SPECIMEN MITIGATION SHADE TREE PLANTING
- EX. SWM SHRUB
- EX. SWM PERENNIAL
- EX. PARCEL 631 EVERGREEN TREE
- EX. PARCEL 631 SHRUB

LEGEND

- EX. 8" SEWER LINE
- EX. 8" WATER LINE
- EX. WATER HOUSE CONNECTION
- EX. SEWER HOUSE CONNECTION
- EX. STORM DRAIN MANHOLE
- EX. STORM DRAIN
- EX. STORM DRAIN INLET
- EX. TWIN WATER METER
- EX. SINGLE WATER METER
- EX. FIRE HYDRANT

PLAN

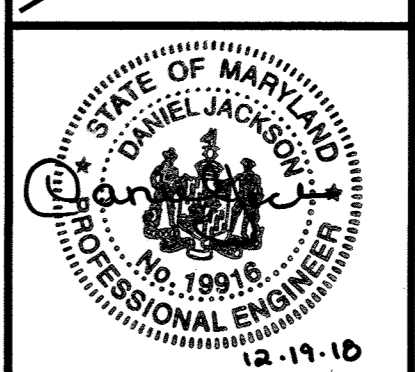
SCALE: 1"=30'



Scale 1" = 30'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director of Planning and Zoning
 DATE: 1-4-19
 DATE: 1-07-19
 DATE: 1-7-19

OWNER / DEVELOPER:
 CALATLANTIC GROUP, INC.
 ADDRESS: 7035 ALBERT EINSTEIN DRIVE, SUITE 200
 COLUMBIA, MD 21046
 CONTACT: RYAN HOUCK
 DIVISION PRESIDENT
 PHONE: 410-997-5522
 EMAIL: Ryan.Houck@lenrar.com
BUILDER:
 LENRAR
 ADDRESS: 7035 ALBERT EINSTEIN DRIVE, SUITE 200
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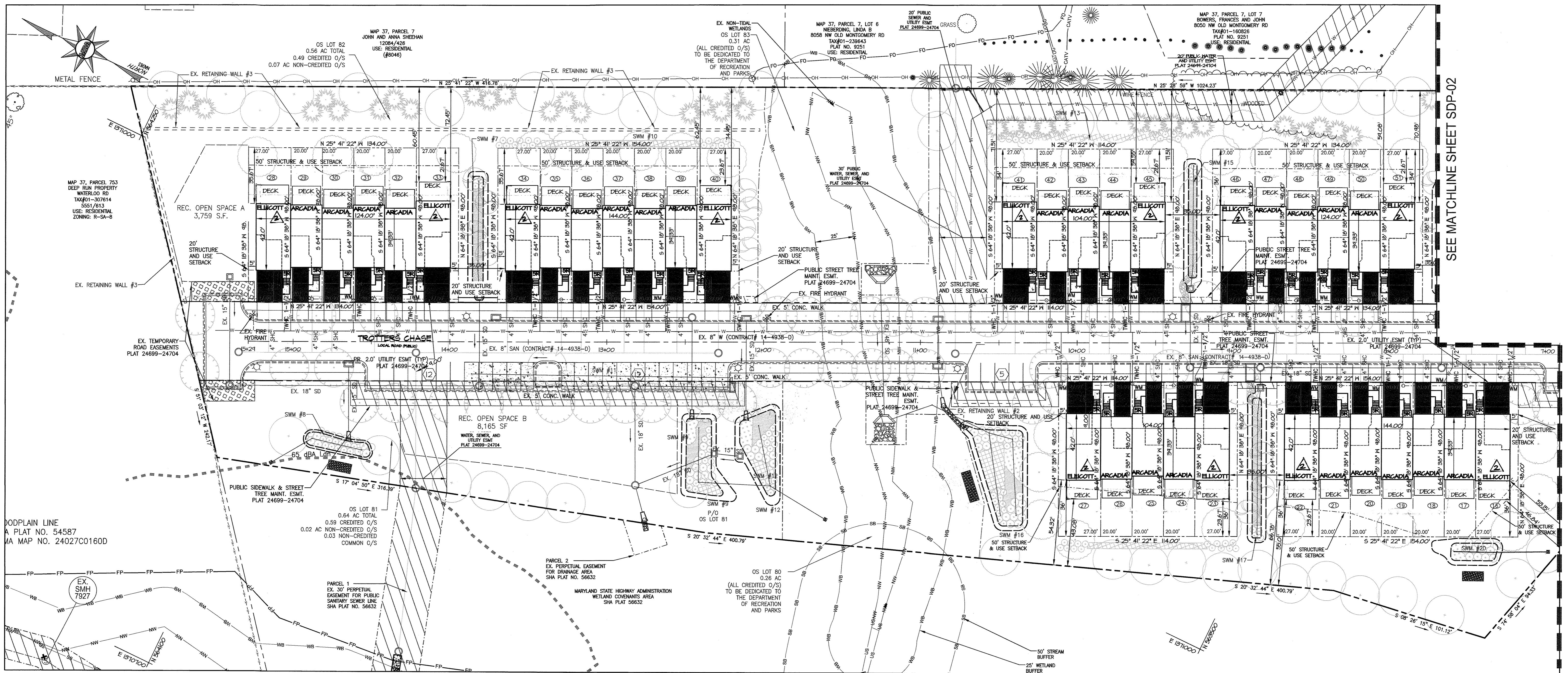


MORRIS & RITCHIE ASSOCIATES, INC.
 ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS
 14280 PARK CENTER DRIVE
 LAUREL, MD 20707
 (410) 792-9792 / (301) 776-1690
 FAX: (410) 792-7395
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SITE DEVELOPMENT PLAN
TROTTER'S KNOLL - SECTION I
 TROTTERS CHASE, ELLICOTT CITY MARYLAND
LAYOUT PLAN - LOTS 1-15, 52-78

TAX MAP 37 GRIDS 2 PARCEL 748 ZONED: R-SA-8
 PLAT #24699-24704, 1ST ELECTION DISTRICT
 HOWARD COUNTY, MD 21043

DATE	REVISIONS	JOB NO.:
01/11/2019	REVISED DRIVEWAYS AND ENTRY SIGN	15368 x 05
8/31/2020	REVISED DECKS	SCALE: 1" = 30'
		DATE: 12/7/18
		DRAWN BY: MR
		DESIGN BY: MM
		REVIEW BY: TGN
		SHEET: 2 OF 7



SEE MATCHLINE SHEET SDP-02

LEGEND

- EX. LOT LINE
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LEGEND

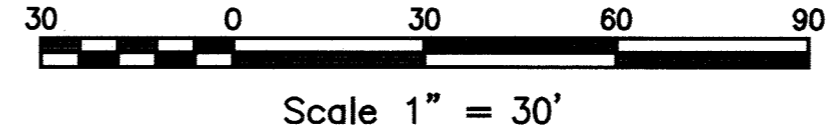
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- EX. PARCEL 631 SHRUB

PLAN

SCALE: 1"=30'



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Howard County Seal
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 1-4-19 DATE

Wendy Sheehan
 CHIEF, DIVISION OF LAND DEVELOPMENT 1-07-19 DATE

Walter J. Kelly
 DIRECTOR OF PLANNING AND ZONING 1-7-19 DATE

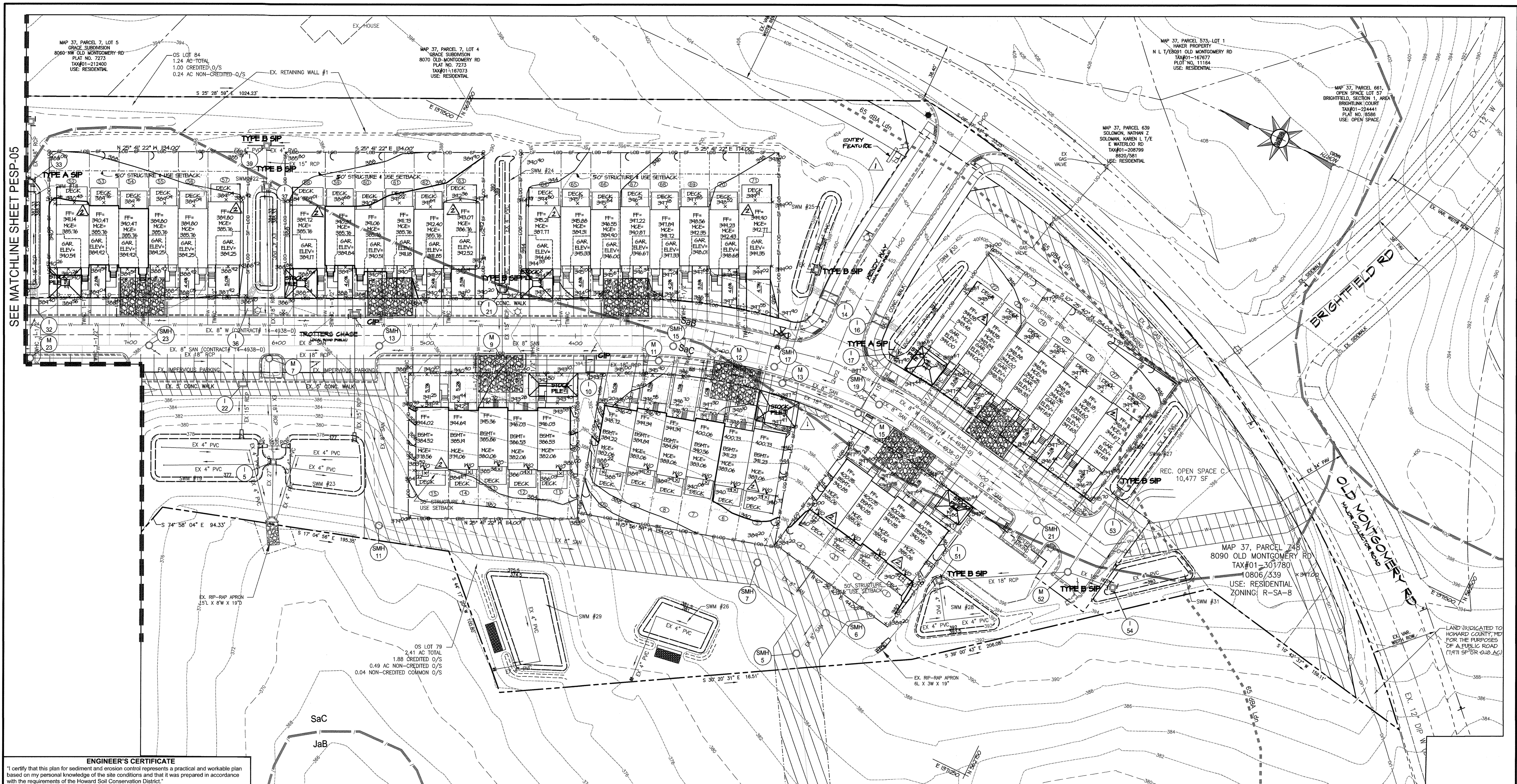
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SITE DEVELOPMENT PLAN		
TROTTER'S KNOLL - SECTION I		
LAYOUT PLAN - LOTS 16-51		
TAX MAP 37 GRIDS 2 PARCEL 748 ZONED: R-SA-8 PLAT #24689-24704, 1ST ELECTION DISTRICT HOWARD COUNTY, MD 21043		
DATE	REVISIONS	JOB NO.: 15368 x 05
8-31-20	REVISED DECKS	SCALE: 1" = 30'
		DATE: 12/7/18
		DRAWN BY: MR
		DESIGN BY: MM
		REVIEW BY: TCN
		SHEET: 3 OF 7



ENGINEER'S CERTIFICATE
 I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Daniel Jackson 12-19-18
 Signature of Engineer (Dan Jackson) Date

DEVELOPER'S CERTIFICATE
 I/we certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel 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.

Matthew Swinney 12-18-18
 Signature of Developer (CalAtlantic Group, Inc.) Date

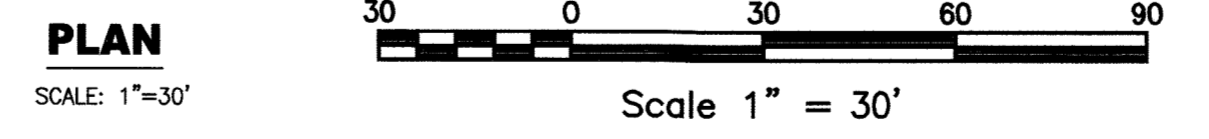
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
John K. Robertson 12/20/18
 Howm SCD Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
David Edmund 1-4-19
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Karl Schuch 1-07-19
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Nellis J. Allen 1-7-19
 DIRECTOR OF PLANNING AND ZONING DATE

SOILS LEGEND

SYMBOL	NAME/DESCRIPTION	SOIL TYPE	'K' VALUE
ChC	CHILLUM-RUSSET LOAMS, 5-10% SLOPES	B	0.10-0.37
CrD	CROOM AND EVESBORO SOILS, 10-15% SLOPES	C	0.15-0.37
Fa	FALLSINGTON SANDY LOAM, 0-2% SLOPES	D	0.02-0.24
Ha	HATBORO-CORDORUS SILT LOAMS, 0-3% LOAMS	D	0.20-0.37
JaB	JACKLAND SILT LOAM, 3-8%	D	0.15-0.55
LaC	LEGORE SILT LOAM, 8-15% SLOPES	B	0.02-0.43
SaB	SAFFRAS LOAM, 2-5% SLOPES	B	0.17-0.37
SaC	SAFFRAS LOAM, 5-10% SLOPES	B	0.17-0.32
UsB	URBAN LAND-FALLSINGTON COMPLEX, 0-2% SLOPES	D	0.17-0.37

HOWARD COUNTY SOIL CONSERVATION DISTRICT MAP NUMBER 14-036



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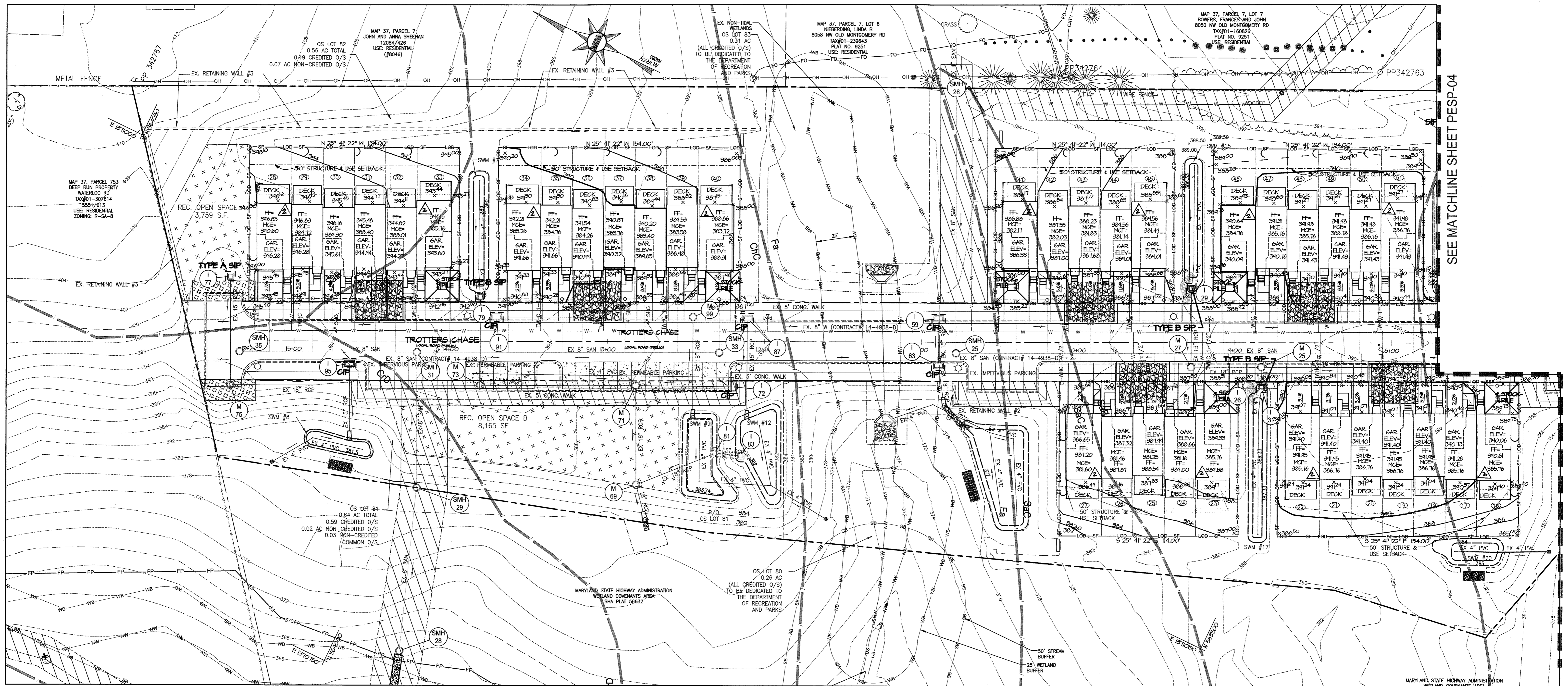


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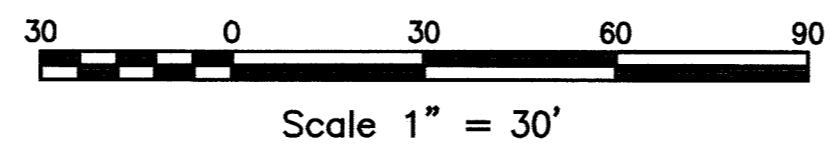
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 TROTTER'S CHASE, ELICOTT CITY MARYLAND
GRADING, SOILS, SEDIMENT AND EROSION CONTROL PLAN - LOTS 1-15, 52-78
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8-31-20	REVISED DECKS	SCALE: AS SHOWN
		DATE: 12/7/18
		DRAWN BY: MR
		DESIGN BY: MR
		REVIEW BY: MAM
		SHEET: 4 OF 7



PLAN

SCALE: 1"=30'



This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
John R. Roberts 12/20/19
 Howard SCD Date

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

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Matthew Wu 12-18-18
 Signature of Developer (CaiAtlantic Group, Inc.) Date

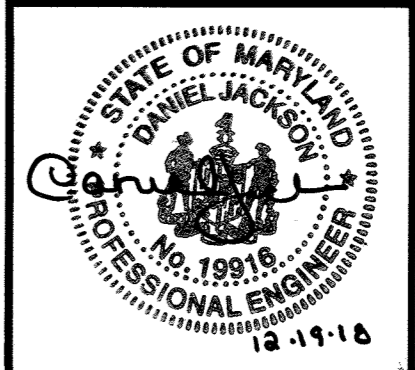
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 1-4-19
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 1-07-19
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
[Signature] 1-7-19
 DIRECTOR OF PLANNING AND ZONING DATE

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SITE DEVELOPMENT PLAN
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		DRAWN BY: MR
		DESIGN BY: MR
		REVIEW BY: MAM
		SHEET: 5 OF 7

SEE MATCHLINE SHEET PESP-04

B-4.3 STANDARDS AND SPECIFICATIONS

FOR SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS
Definition
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.
Criteria

- A. Soil Preparation
1. Temporary Stabilization
a. Soiled preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...

- B. Topsoiling
1. Topsoil to be placed over prepared subsoil prior to establishment of permanent vegetation.
2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications...

- C. Soil Amendments (Fertilizer and Lime Specifications)
1. Soil tests must be performed to determine the exact nutrient application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more...

- 2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment.
3. Lime materials must be ground limestone (hydrated or burnt lime) may be substituted except when hydroxydizing which contains at least 50 percent total oxides...

B-4.4 STANDARDS AND SPECIFICATIONS

FOR SEEDING AND MULCHING
Definition
The application of seed and mulch to establish vegetative cover.
Purpose
To protect disturbed soils from erosion during and at the end of construction.

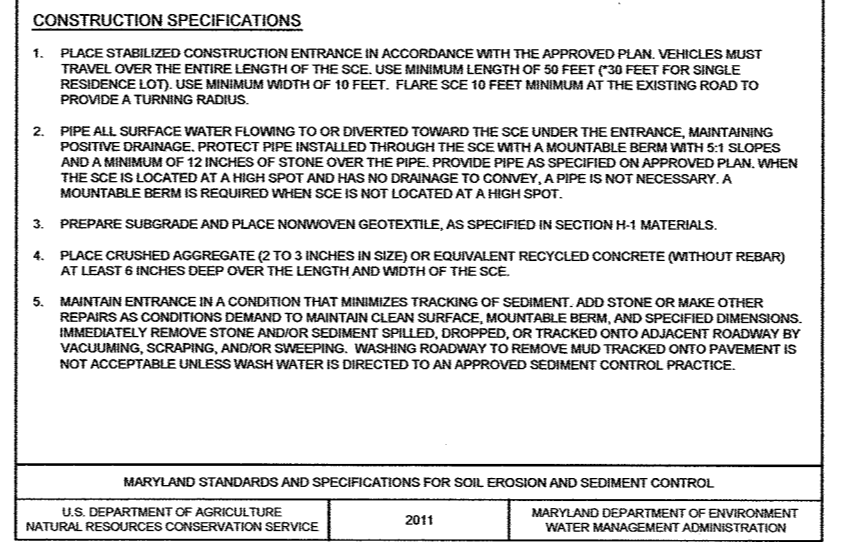
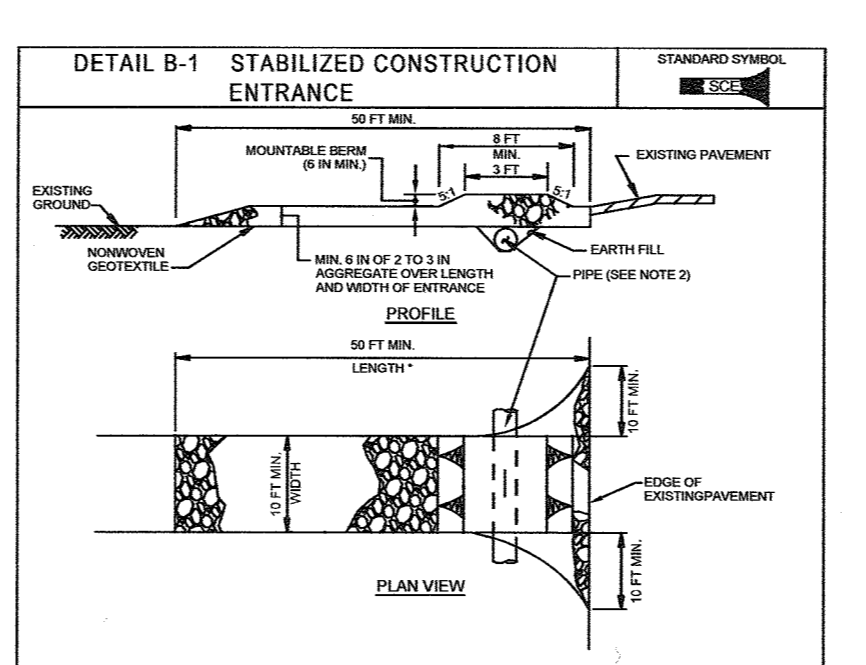
To the surface of all perimeter controls, slopes, and any disturbed areas not under active grading.
Criteria
A. Seeding
1. Specifications
a. All seed must meet the requirements of the Maryland State Seed Law...

- 2. Application
a. Dry Seeding: This includes use of conventional grid or broadcast spreading.
b. Drill or Catpawker Seeding: Mechanized seeders that apply and cover seed with soil.

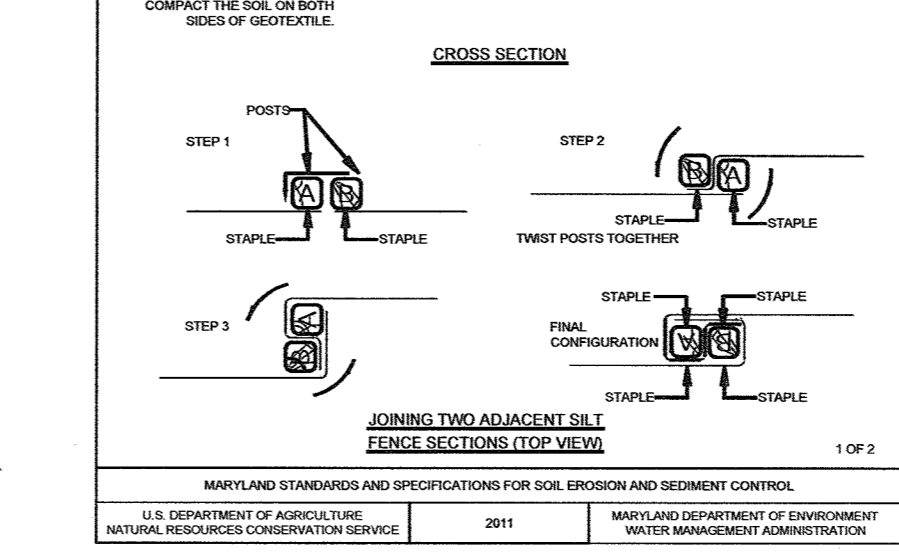
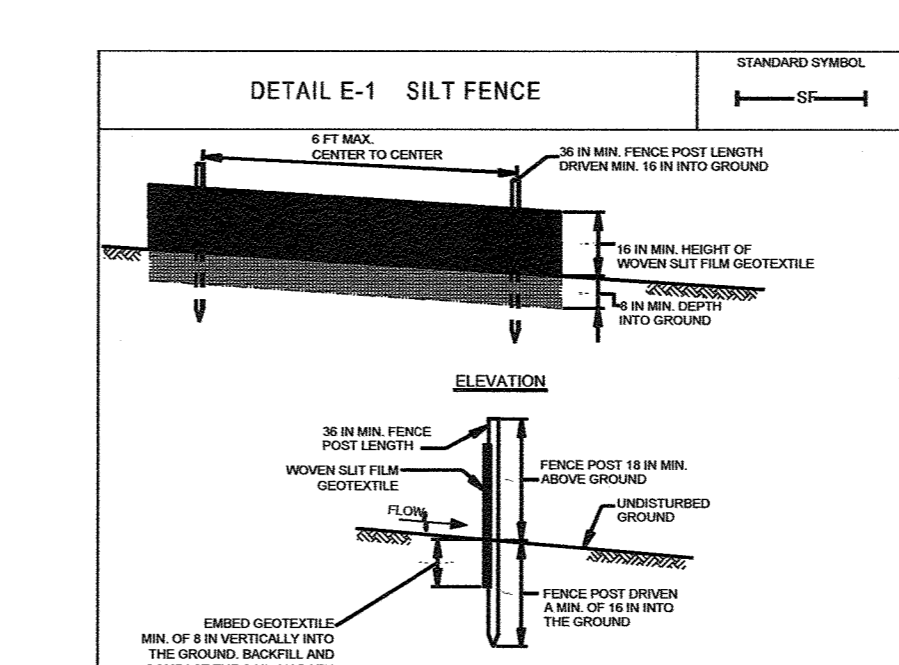
- 3. Mulching
a. Straw consisting of thoroughly tumbled weed-free straw, or barley and meadowly bright in color.
b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.

- 4. Anchoring
a. Perfora mulch anchoring immediately following application of mulch to minimize loss by wind or water.
b. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil...

- 5. Lightweight plastic mulch may be applied over the mulch according to manufacturer recommendations.
6. A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and associated permits shall be on-site and available when the site is active.



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011.



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011.

HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

- 1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1855 after the future LOD and protected areas are marked clearly in the field.
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL...

Permanence Seeding Summary table with columns: No., Species, Application Rate (lb/acre), Seeding Dates, Seedling Depths, N, P2O5, K2O, Line Rate. Includes rows for K. PESC and K. BLUE.

Site Analysis table with columns: Total Area of Site, Area Disturbed, Area to be reseeded or planted, Area to be vegetatively stabilized, Total Cut, Total Fill, Off-site water/borrow area location. Includes values like 11.5 Acres and 4.1 Acres.

Temporary Seeding Summary table with columns: No., Species, Application Rate (lb/acre), Seeding Dates, Seedling Depths, N, P2O5, K2O, Line Rate. Includes rows for FOX MILL and K. BLUE.



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011.

CONSTRUCTION SPECIFICATIONS table for Silt Fence. Includes items 1-5 detailing construction requirements for silt fence posts, fabric, and installation.

VEGETATIVE STABILIZATION table. Includes FOR, DEFINITION, PURPOSE, and CRITERIA sections for vegetative stabilization.

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SEQUENCE OF CONSTRUCTION table. Lists construction steps 1-8 with associated activities and durations.

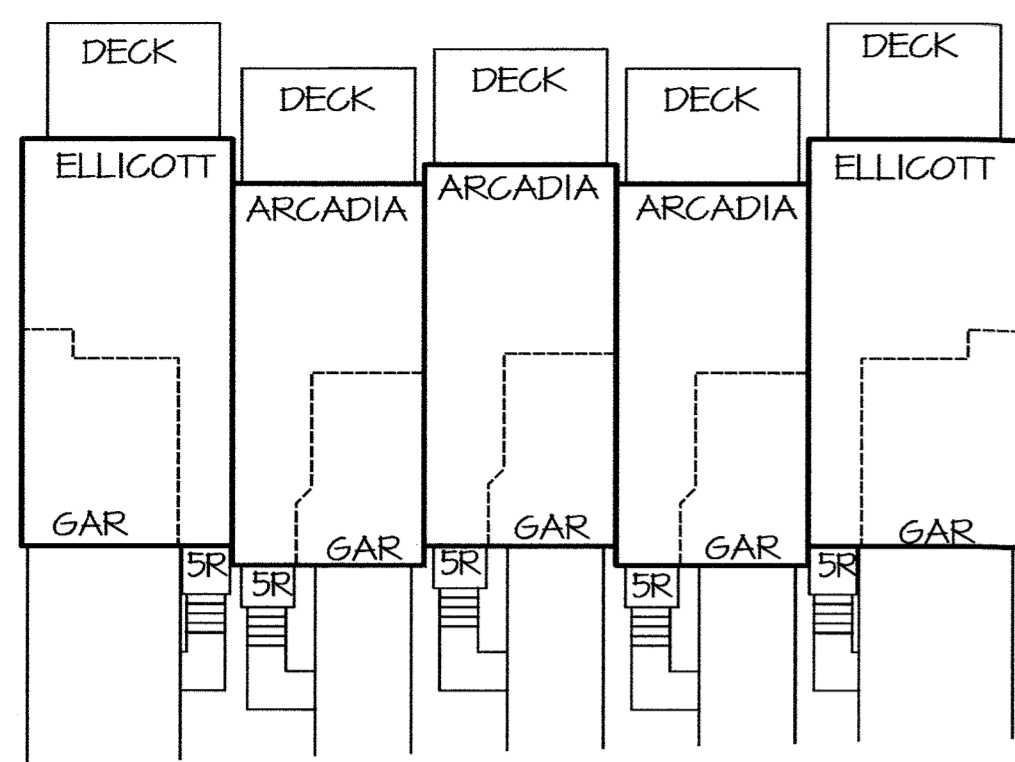
NOTES section containing 8 numbered notes regarding construction requirements, sediment control, and site preparation.

Development plan approval section including signatures of Howard SCD, Daniel Jackson (Engineer's Certificate), and Mark Stwin (Developer's Certificate), along with dates and dates.

Approval section from Howard County Department of Planning and Zoning, including signatures of Chief Development Engineering Division and Chief Division of Land Development, along with dates.

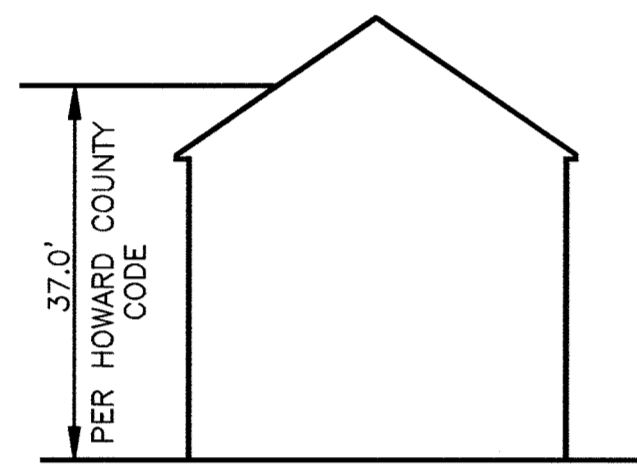
MORRIS & RITCHIE ASSOCIATES, INC. logo and contact information, including address, phone, and website details.

NOTE: LOTS 10 AND 11 WILL BE LIMITED TO AN 18' WIDE DECK DUE TO PROXIMITY TO THE EXISTING PRIVATE STORM DRAIN EASEMENT.



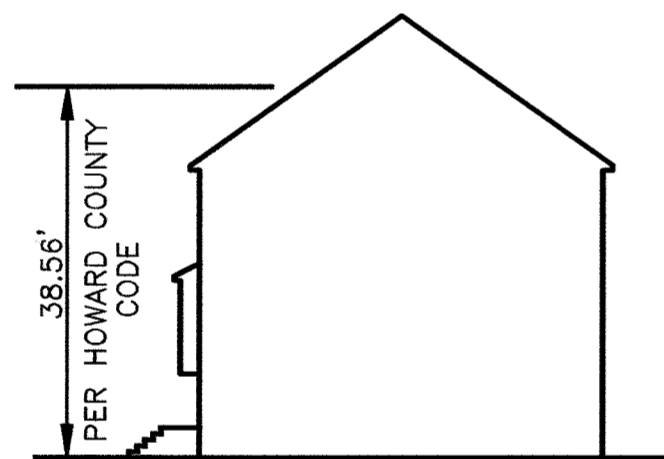
TYPICAL TOWNHOUSE STRING

1"=20'



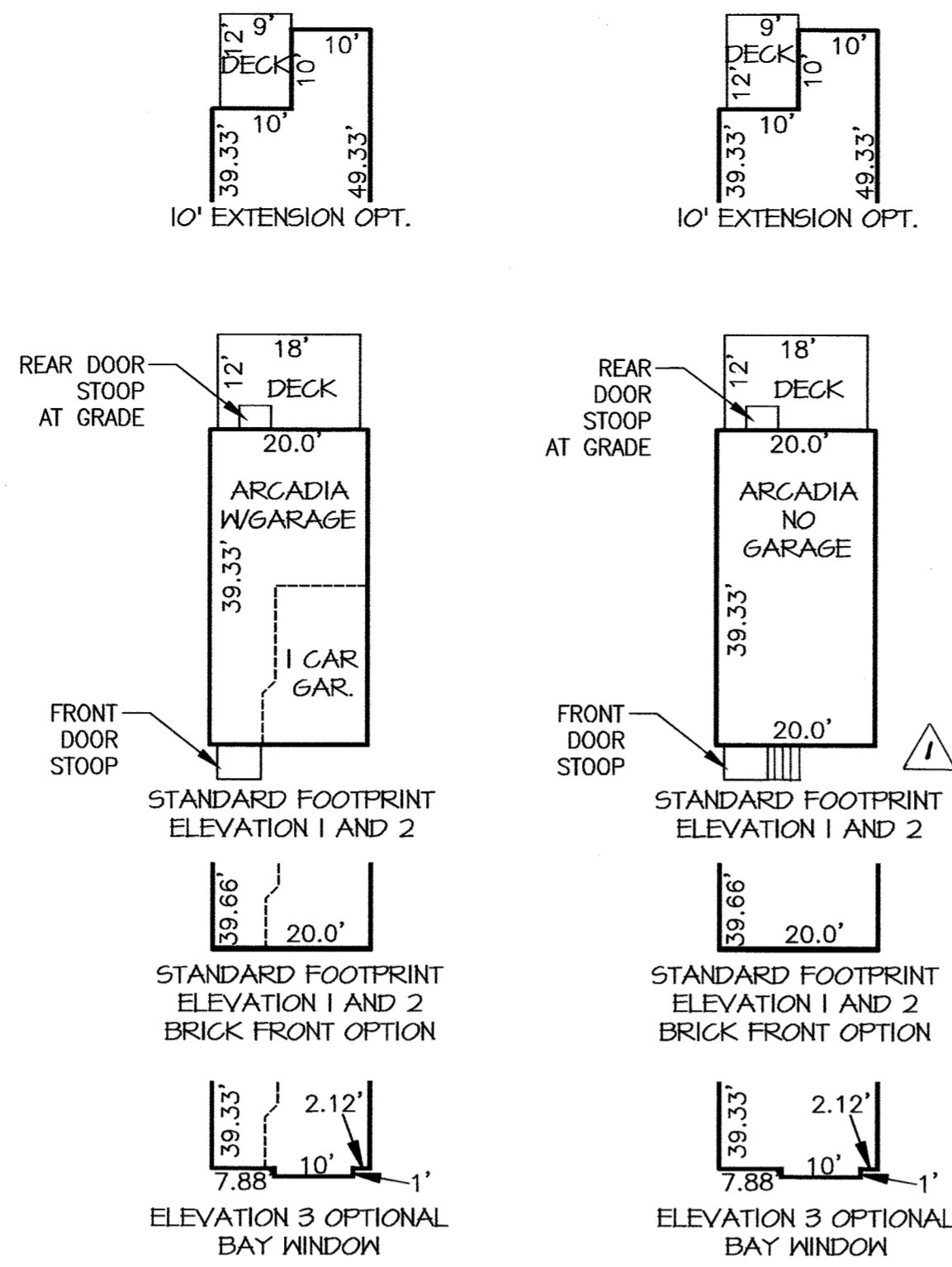
TYPICAL ARCADIA HOUSE ELEV.

SCALE: 1"=20'



TYPICAL ELLICOTT HOUSE ELEV.

SCALE: 1"=20'



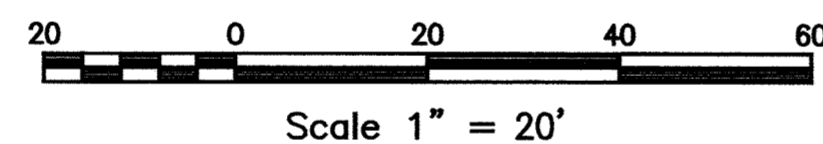
NOTE: OTHER ELEVATIONS VARY BY GARAGE LOCATION ONLY ON GROUND FLOOR, ELEVATION 3 HAS A BAY WINDOW ON THE SECOND FLOOR.

NOTE: BUILDING DECKS TO BE BUILT AT 10' DEPTH IF LOCATED ON A LOT CONSTRAINED BY STRUCTURE AND USE SETBACKS OR OTHER SITE CONSTRAINTS ARE PRESENT.

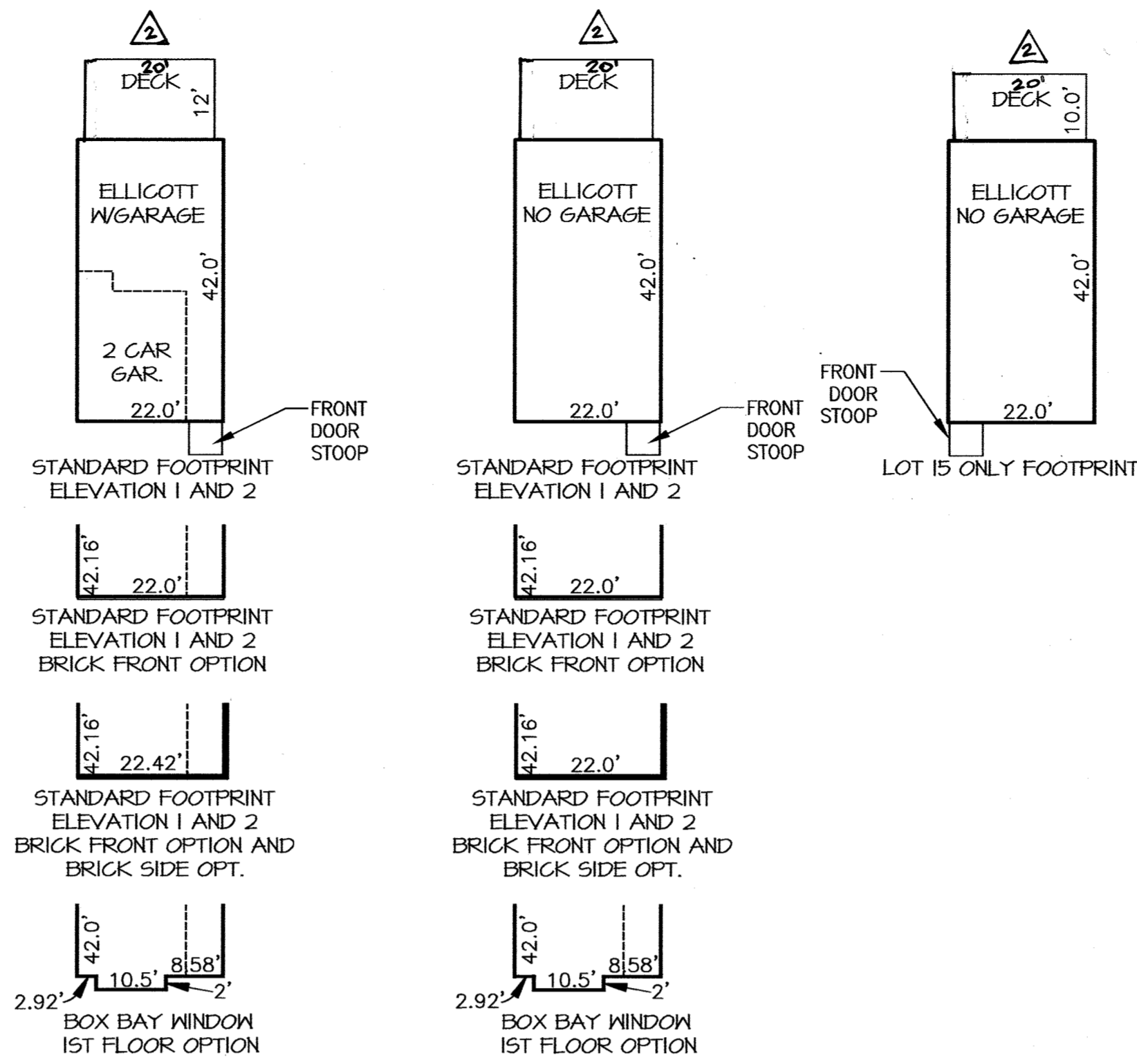
ARCADIA HOUSE TYPE

SCALE: 1"=20'

NOTE: STEPS BUILT PARALLEL TO ARCADIA NO GARAGE HOUSE FRONT ONLY APPLICABLE TO LOTS 2, 3, 6, 7, 8, 9, 12, 13, AND 14.



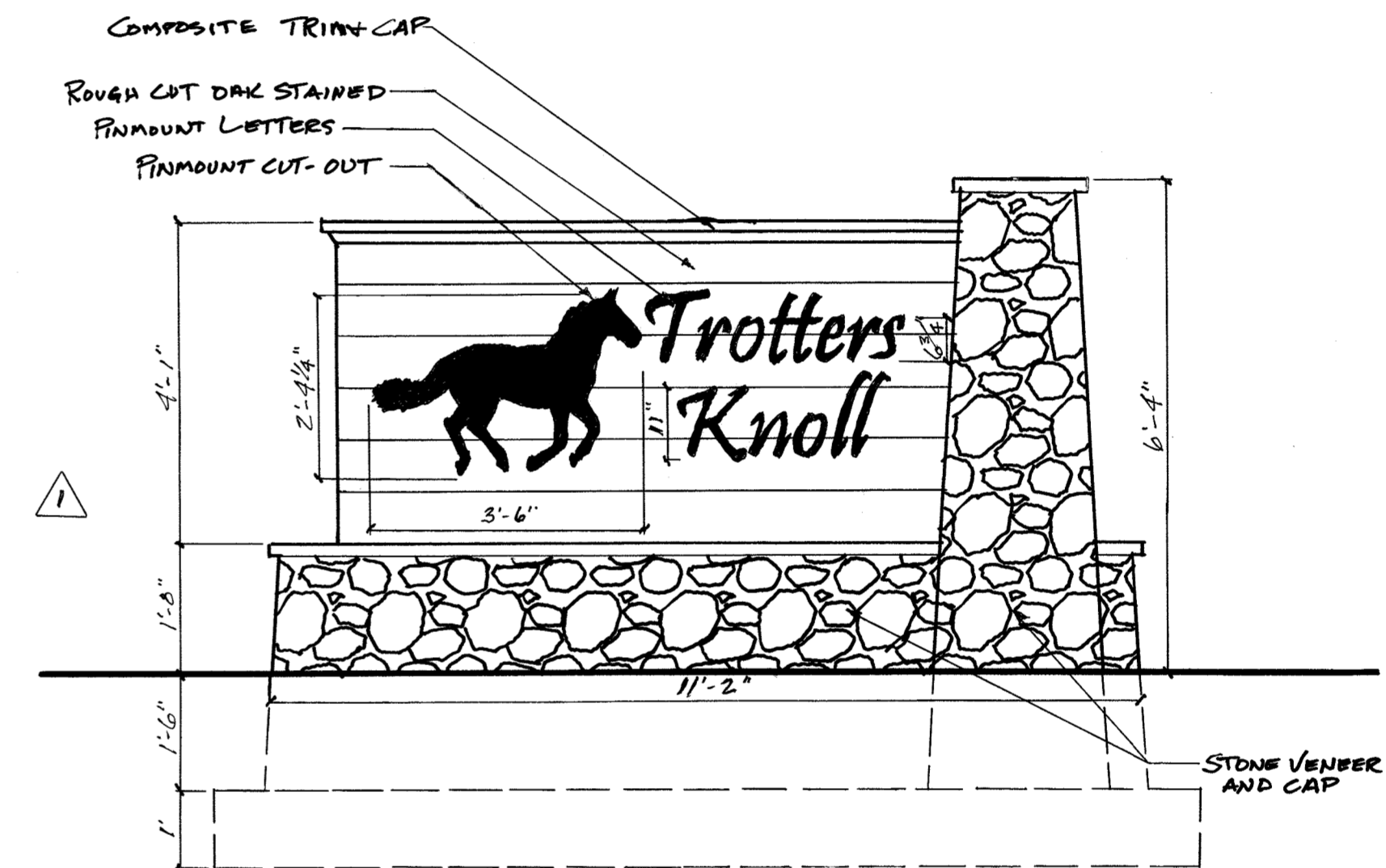
Scale 1" = 20'



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ELLICOTT HOUSE TYPE

SCALE: 1"=20'



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DIRECTOR OF PLANNING AND ZONING

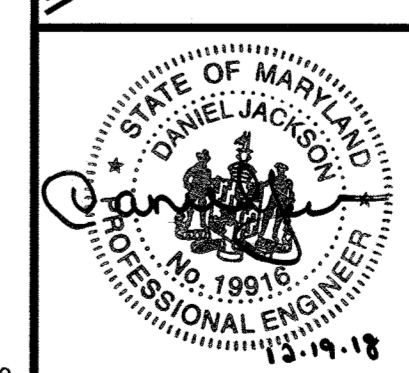
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SITE DEVELOPMENT PLAN
TROTTER'S KNOLL - SECTION I
 TROTTERS CHASE, ELLICOTT CITY MARYLAND
 HOUSE TYPES

TAX MAP 37 GRIDS 2 PARCEL 748 ZONED: R-SA-8
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