

SHEET INDEX	
NO	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS & FOREST STAND DELINEATION PLAN
3	FOREST STAND DELINEATION NOTES, TABULATIONS & ENVIRONMENTAL CONCEPT PLAN DETAILS
4	CONCEPT SEDIMENT CONTROL PLAN
5	ENVIRONMENTAL CONCEPT PLAN

DESIGN NARRATIVE

NATURAL RESOURCE PROTECTION AND ENHANCEMENT

EXISTING NATURAL RESOURCE FEATURES ON THIS PROPERTY CONSIST OF FORESTED AREAS AND STEEP SLOPES. WITH THE PROPOSED DESIGN, EXISTING NATURAL FEATURES AND FLOW PATTERNS HAVE BEEN MAINTAINED AND RECHARGE OF GROUNDWATER WILL BE PROVIDED, ENHANCING THE WATER QUALITY FOR DOWNSTREAM FEATURES. THE SITE IMPROVEMENTS, STORM WATER MANAGEMENT, AND SEDIMENT CONTROLS ASSOCIATED WITH THE DEVELOPMENT WILL RESULT IN THE CLEARING OF THE ENTIRE SITE, OR 4.71 ACRES. THE FOREST ON-SITE IS LOW QUALITY SECOND GROWTH SCRUB PINE FOREST. NO IMPACTS TO COUNTY REGULATED STEEP SLOPES ARE PROPOSED WITH THIS PLAN. NO WETLANDS, STREAMS, STREAM BUFFERS, OR FLOODPLAINS ARE PRESENT ON THIS PROPERTY.

MAINTENANCE OF NATURAL FLOW PATTERNS

NATURAL FLOW PATTERNS ON THIS SITE GENERALLY MOVE NORTHEAST TO SOUTHWEST. THE SITE CONSISTS OF ONE BUILDABLE LOT IN AN INDUSTRIAL PARK. THE LOT IS LOCATED EAST OF THE DORSEY RUN STREAM VALLEY AND WILL DRAIN INTO THIS STREAM VALLEY THROUGH THE EXISTING STORM DRAINAGE AND STORMWATER MANAGEMENT SYSTEMS. THESE FLOW PATTERNS WILL BE MAINTAINED WITH THIS DEVELOPMENT.

REDUCTION OF IMPERVIOUS AREAS

IMPERVIOUS AREAS WILL BE KEPT TO A MINIMUM.

INTEGRATION OF SEDIMENT CONTROL FEATURES

SEDIMENT CONTROL FOR THIS SITE WILL BE PROVIDED BY STABILIZED CONSTRUCTION ENTRANCES, A SEDIMENT TRAP LOCATED AT THE DOWNHILL SIDE OF THE PROJECT, EARTH DIKES, AND SUPER SILT FENCE. A STOCKPILE AREA WILL BE PROVIDED ON THE SITE. SEDIMENT CONTROL DESIGN WILL INCLUDE A DETAILED SEQUENCE OF CONSTRUCTION TO MINIMIZE OFFSITE IMPACTS AND TO REQUIRE THE INSTALLATION OF THE STORM WATER FEATURES IN SUCH A MANNER THAT THEY WILL FUNCTION FULLY UPON COMPLETION OF CONSTRUCTION.

IMPLEMENTATION OF ESD PLANNING TECHNIQUES AND PRACTICES

ESDV FOR THIS PROJECT IS PROVIDED THROUGH THE USE OF MICRO-BIORETENTION FACILITIES AND A BIOSWALE. MICRO-BIORETENTION FACILITIES (MDE DESIGNATION M-6) AND A BIOSWALE (MDE DESIGNATION M-8) WILL BE PROVIDED THROUGHOUT THE PROJECT SITE TO TREAT ROOF AND PAVEMENT AREAS. FOR THIS PROJECT A TARGET P_{60} OF 1.8" HAS BEEN CALCULATED. THE ACHIEVED P_{60} IS 2.41". THE DEVELOPMENT REQUIRES THAT A TOTAL OF 15,090 CF OF ESDV BE PROVIDED. WITH THE FACILITIES OUTLINED ABOVE, A TOTAL OF 20,206 CF OF ESDV HAS BEEN PROVIDED. THE ESDV PROVIDED HAS BEEN MET IN THE STONE BELOW THE FACILITIES AND THE STORAGE ABOVE THE PLANTING MEDIA, PER HOWARD COUNTY REQUIREMENTS.

GENERAL NOTES

- THE EXISTING TOPOGRAPHY IS PROVIDED BY PENNONI ASSOCIATES, INC., DATED JANUARY 25, 2018 AND HAS BEEN SUPPLEMENTED BY HOWARD COUNTY GIS INFORMATION.
- THE BOUNDARY SURVEY IS PROVIDED BY PENNONI ASSOCIATES, INC., DATED JANUARY 24, 2018, AND HAS BEEN SUPPLEMENTED BY HOWARD COUNTY GIS INFORMATION.
- THE COORDINATES SHOWN HEREON ARE IN MARYLAND COORDINATE SYSTEM NAD 83/91 BASED ON THE HOWARD COUNTY GEODETIC CONTROL. HOWARD COUNTY MONUMENT NOS. 43HB AND 43HC WERE USED FOR THIS PROJECT.
- WATER IS PUBLIC, CONTRACT 664-D.
- SEWER IS PUBLIC, CONTRACT 664-D.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- A 100-YEAR FLOODPLAIN STUDY FOR THIS PROJECT IS NOT REQUIRED.
- NO WETLANDS, WETLAND BUFFERS, STREAMS, STREAM BUFFERS, AND FLOODPLAINS ARE PRESENT ON THE PROPERTY. FOREST RESOURCES AND STEEP SLOPES ARE PRESENT ON THE SITE.
- SUBJECT PROPERTY ZONED M-2 PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- ALL ELEVATIONS SHOWN ARE BASED NAVD88.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- THERE ARE NO EXISTING STRUCTURES ON SITE.
- BASED ON AVAILABLE COUNTY MAPS AND RECORDS, THERE ARE NO HISTORIC STRUCTURES OR KNOWN CEMETERIES LOCATED ON THE SUBJECT PROPERTY.
- NO SPECIMEN TREES EXIST ON SITE.
- APPROVAL OF THIS 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 SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN STAGES AND/OR RED-LINE REVISION PROCESSES. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESS THROUGH THE PLAN REVIEW PROCESS.
- FOREST CONSERVATION FOR THIS PROJECT WILL BE PROVIDED BY A FEE-IN-LIEU OR OFF-SITE PLANTING OR RETENTION.

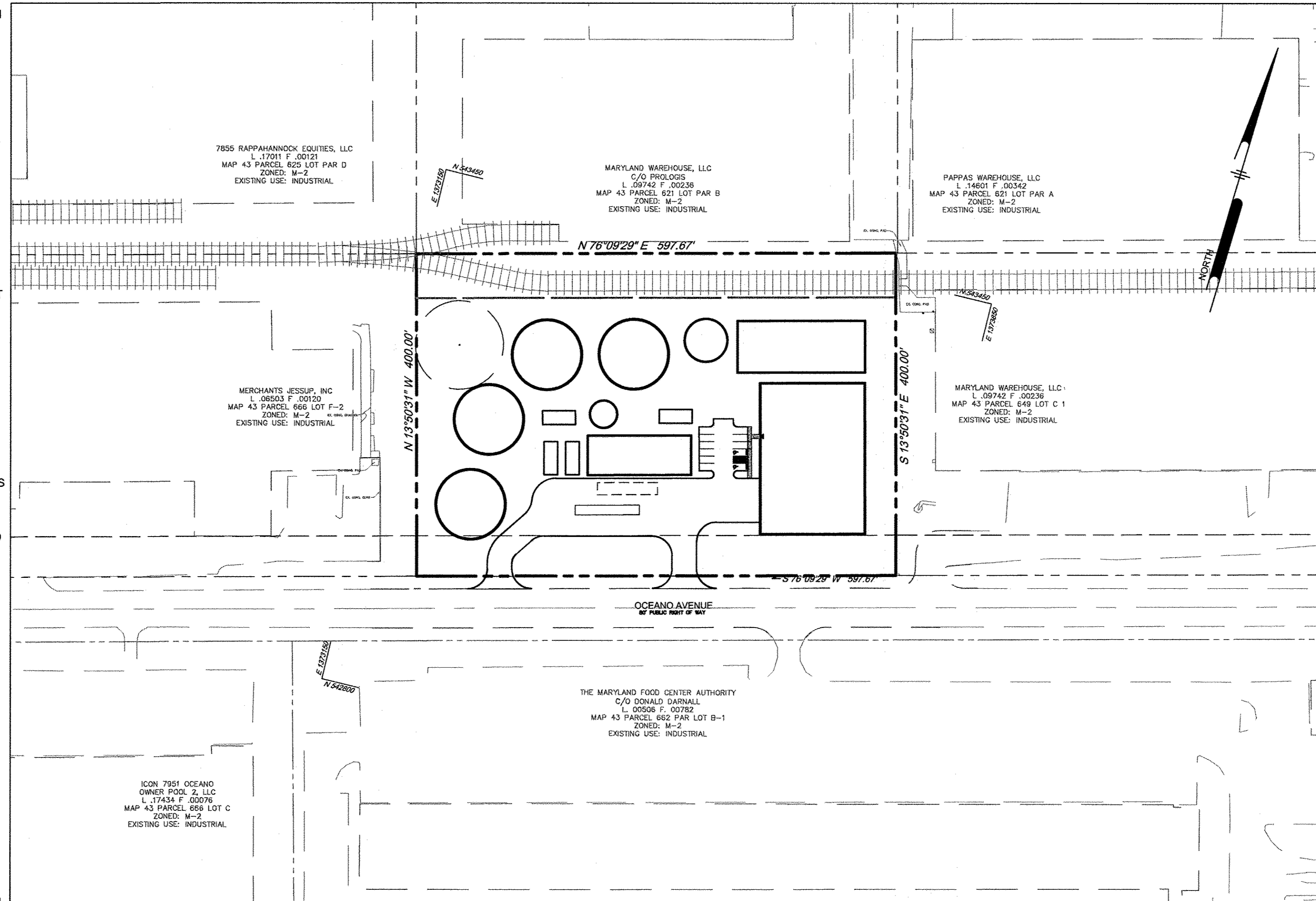
ENVIRONMENTAL CONCEPT PLAN

MARYLAND FOOD CENTER AUTHORITY

7900 N OCEANO AVENUE

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



LOCATION PLAN

SCALE: 1" = 100'

SITE ANALYSIS DATA

AREA OF SITE: 5.49 ACRES (239,060 SF)
LIMIT OF DISTURBANCE: 4.61 ACRES (207,183 SF)
PRESENT ZONING: M-2 (MANUFACTURING: HEAVY)
EXISTING USE: VACANT WOODED LOT
PROPOSED USE: RECYCLING/WASTE TO ENERGY FACILITY
PARKING REQUIRED: 0.75 SPACES PER 1,000 SF
 0.75 x 25,000/1,000 = 19 SPACES REQUIRED
 11 SPACES PROVIDED*

*A PARKING NEEDS ANALYSIS WILL BE PERFORMED AT THE TIME OF THE SITE DEVELOPMENT PLAN.

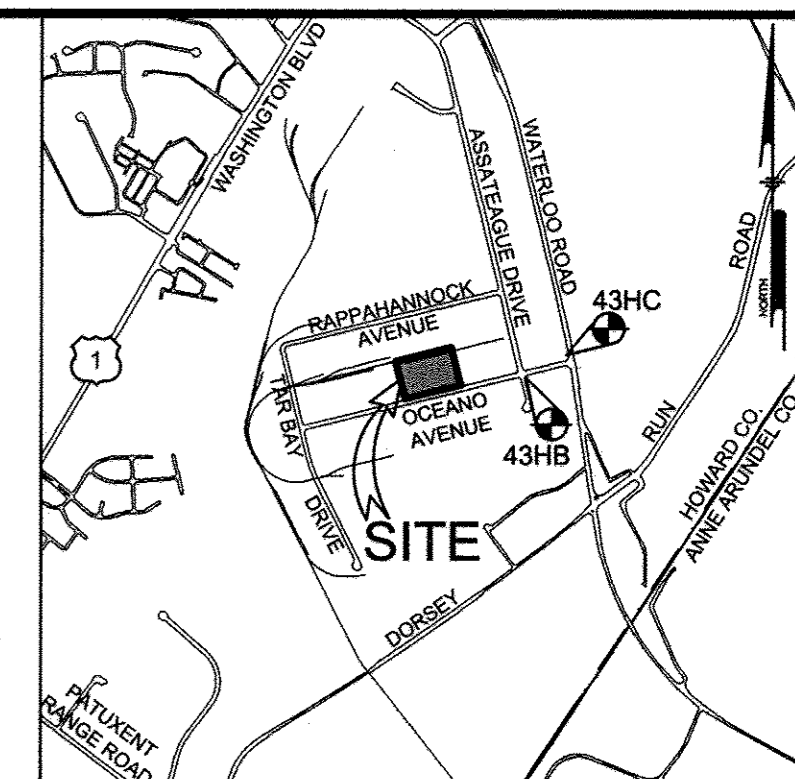
AREA OF WETLANDS: 0.00 ACRES (0.00 SF)
AREA OF WETLAND BUFFERS: 0.00 ACRES (0.00 SF)
AREA OF STREAM BUFFERS: 0.00 ACRES (0.00 SF)
AREA OF FLOODPLAIN: 0.00 ACRES (0.00 SF)
FOREST AREA: 4.71 ACRES (205,296 SF)
AREA OF STEEP SLOPES:
 15%-25%: 0.27 ACRES ± (11,614 SF ±)
 25%+: 0.11 ACRES ± (4,749 SF ±)
AREA OF ERODIBLE SOILS: 0.00 ACRES (0.00 SF)
IMPERVIOUS AREA:
 EXISTING: 0.00 SF (0.00 ACRES)
 PROPOSED: 99,875 SF (2.30 ACRES)
BUILDING COVERAGE: 99,875 SF / 239,060 SF = 42%
GREEN AREA WITHIN:
 EXISTING: 239,060 SF ±
 PROPOSED: 139,185 SF ±

ZONE M-2 SETBACKS:

FROM EXTERNAL PUBLIC STREET RIGHT-OF-WAY: 50 FEET
 PARKING USES FROM EXTERNAL PUBLIC STREET RIGHT-OF-WAY: 30 FEET
 FROM INTERNAL PUBLIC STREET RIGHT-OF-WAY: 50 FEET
 PARKING USES FROM INTERNAL PUBLIC STREET RIGHT-OF-WAY: 10 FEET
 FROM ANY RESIDENTIAL DISTRICT: 150 FEET
 FROM RESIDENTIAL USES IN A CAC OR TOD DISTRICT: 100 FEET

ZONE M-2 BUILDING HEIGHT:

STRUCTURE WITH MINIMUM SETBACK: 50 FEET
 STRUCTURE WITH AN ADDITIONAL 1 FOOT IN HEIGHT FOR EVERY 2 FEET OF SETBACK ABOVE THE MINIMUM: 100 FEET



VICINITY MAP

SCALE: 1"=2,000'
 HOWARD COUNTY
 ADC MAP 41 GRID D-1
 ADC MAP USE LICENSE #3652

BENCHMARKS

HOWARD COUNTY SURVEY CONTROL: 43HB
 ELEVATION 251.819
 N 543,166.735 E 1,374,425.118
 LOCATION IS 5.3' FROM FACE OF CURB ALONG OCEANO AVENUE.
 HOWARD COUNTY SURVEY CONTROL: 43HC
 ELEVATION 253.918
 N 543,386.118 E 1,374,935.892
 LOCATION IS 2.5' FROM FACE OF CURB ALONG MD ROUTE 175.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 4-19-18
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 4-12-18
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 ✓ TM

DATE	NO.	REVISION	BY

DEVELOPER
 BTS BIOENERGY, INC.
 9250 BENDIX ROAD
 COLUMBIA, MD 21045
 ATTN: PETER TITINGER
 PHONE: 301-943-4860

OWNER
 MARYLAND FOOD CENTER AUTHORITY
 7801 OCEANO AVENUE
 JESSUP, MD 20794-9411
 ATTN: PEGGY TORRE
 PHONE: 410-379-5760

PROJECT
 MARYLAND FOOD CENTER AUTHORITY

AREA
 TAX MAP 43, PARCEL 666 LOT C3 ZONED M-2
 GRID NO. 21 6TH ELECTION DISTRICT
 7900 N OCEANO AVENUE
 JESSUP, MARYLAND 20794
 HOWARD COUNTY, MARYLAND

TITLE
 COVER SHEET

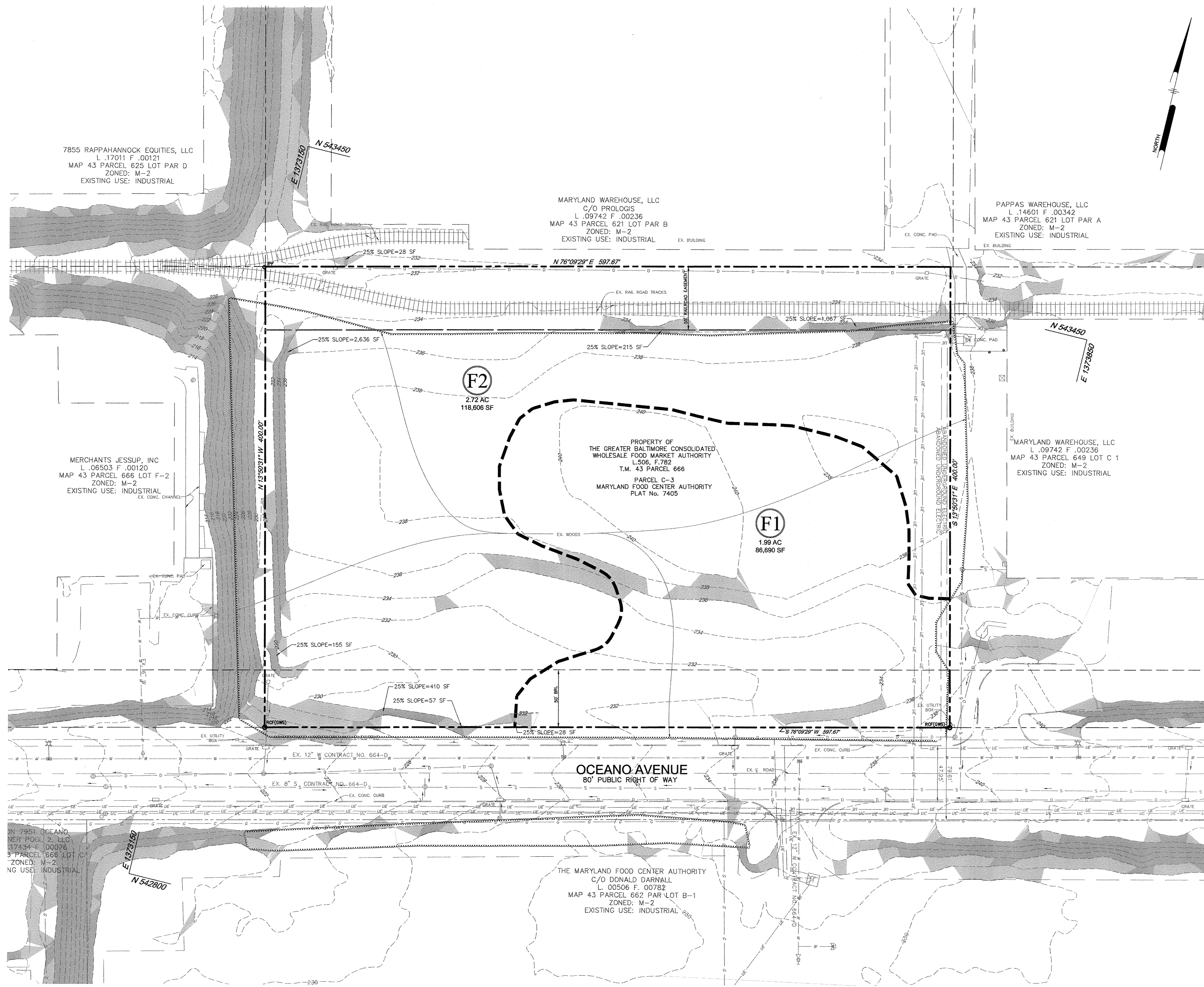
Pennon Associates Inc.
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 Landscape Architects
 8818 Centre Park Drive, Suite 200 Columbia, MD 21045
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SEAL

 DESIGNED BY: PAI
 DRAWN BY: JSN
 PROJECT NO.: BTSBH18001
 DATE: FEBRUARY 15, 2018
 SCALE: 1" = 100'
 DRAWING NO. 1 OF 5

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
666	7900 N OCEANO AVENUE

SUBDIVISION NAME	SECT./AREA	PARCEL			
		666			
PLAT NO.	GRID #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
506/782	21	M-2	43	6	606901



Howard County Preliminary Forest Conservation Worksheet

Project Name: Maryland Food Center Authority
 County File #: _____
 Date: March 14, 2018

Net Tract Area
 A. Total Tract Area
 B. Other Deductions
 C. Net Tract Area Net Tract Area = (A-B-C)

Land Use Category:
 D. Afforestation Threshold (Net Tract Area X 15%)
 E. Reforestation Threshold (Net Tract Area X 15%)

Existing Forest Cover
 F. Existing Forest Cover within the Net Tract Area
 G. Area of Forest Above Conservation Threshold
 If the Existing Forest Cover (F) is greater than Conservation Threshold (G), then
 H = Existing Forest Cover (F) - Conservation Threshold (G); Otherwise G = 0

Break Even Point
 H. Break Even (Amount of forest that must be retained so that no mitigation is required)
 (1) If the area of forest above the Conservation Threshold (G) is greater than zero, then
 $H = (0.2 \times \text{area of forest above Conservation Threshold (G)}) + \text{Conservation Threshold (E)}$
 (2) If the area of forest above the Conservation Threshold (G) is equal to zero, then
 $H = \text{Existing Forest Cover (F)}$

Proposed Forest Clearing
 I. Forest Clearing Permitted Without Mitigation
 $I = \text{Existing Forest Cover (F)} - \text{Break Even Point (H)}$

Planting Requirements
 If the Total Area of Forest to be Cleared (K) is at or above the Breakeven Point (H), no planting is required and no further calculations are necessary (L=0, M=0, N=0, P=0);
 If not, calculate the planting requirement below:
 L. Reforestation for Clearing Above the Conservation Threshold
 (1) If the total area of forest to be retained (K) is greater than the Conservation Threshold (E), then
 $L = \text{area of forest to be cleared (J)} \times 0.25$; or
 (2) If the forest to be retained (K) is less than or equal to the Conservation Threshold (E), then
 $L = \text{area of forest above Conservation Threshold (G)} \times 0.25$
 M. Reforestation for Clearing Below the Conservation Threshold
 (1) If Existing Forest Cover (F) is greater than Conservation Threshold (E) and the forest to be retained (K) is less than or equal to the Conservation Threshold (E), then
 $M = 2.0 \times (\text{Conservation Threshold (E)} - \text{forest to be retained (K)})$
 (2) If Existing Forest (F) is less than or equal to the Conservation Threshold (E), then
 $M = 2.0 \times \text{Forest to be cleared (J)}$
 N. Credit for Retention Above the Conservation Threshold
 If the area of forest to be retained (K) is greater than the Conservation Threshold (E), then
 $N = K - E$
 P. Total Reforestation Required $P = L + M - N$
 Q. Total Afforestation Required
 (1) If Existing Forest Cover (F) is less than the Afforestation Threshold (D) then
 $Q = \text{Afforestation Threshold (D)} - \text{Existing Forest Cover (F)}$
 R. Total Planting Requirement $R = P + Q$

Acres	
A	5.49
B	0.00
C	5.49
D	0.82
E	0.82
F	4.71
G	3.89
H	1.60
I	3.11
J	4.71
K	0.00
L	0.97
M	1.65
N	0.00
P	2.62
Q	0.00
R	2.62

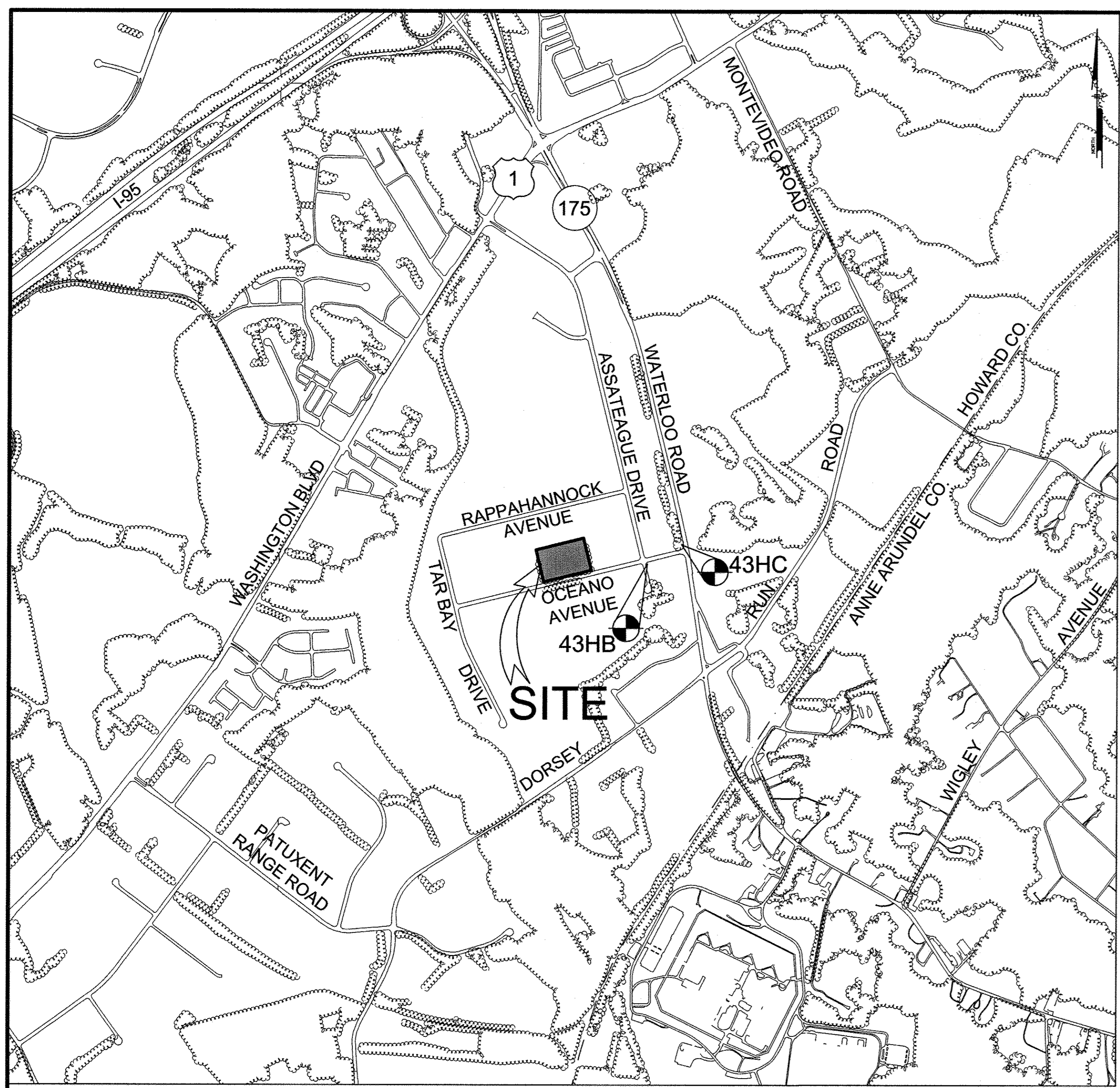
PLANT COMMUNITY SUMMARY			
SYMBOL	COMMUNITY	AREA	PRIORITY RETENTION
F1	FOREST	1.89 Ac±	LOW
F2	FOREST	2.72 Ac±	LOW

AREA CHART	
AREA	ACRES
TOTAL TRACT AREA	5.49
EXISTING FOREST WITHIN TRACT AREA	4.71
STREAM BUFFERS WITHIN TRACT AREA	0.00
FLOODPLAIN WITHIN TRACT AREA	0.00
WETLANDS & WETLAND BUFFERS WITHIN TRACT AREA	0.00
FORESTED STREAM BUFFERS WITHIN TRACT AREA	0.00
FORESTED FLOODPLAIN WITHIN TRACT AREA	0.00
FORESTED WETLANDS & WETLAND BUFFERS WITHIN TRACT AREA	0.00

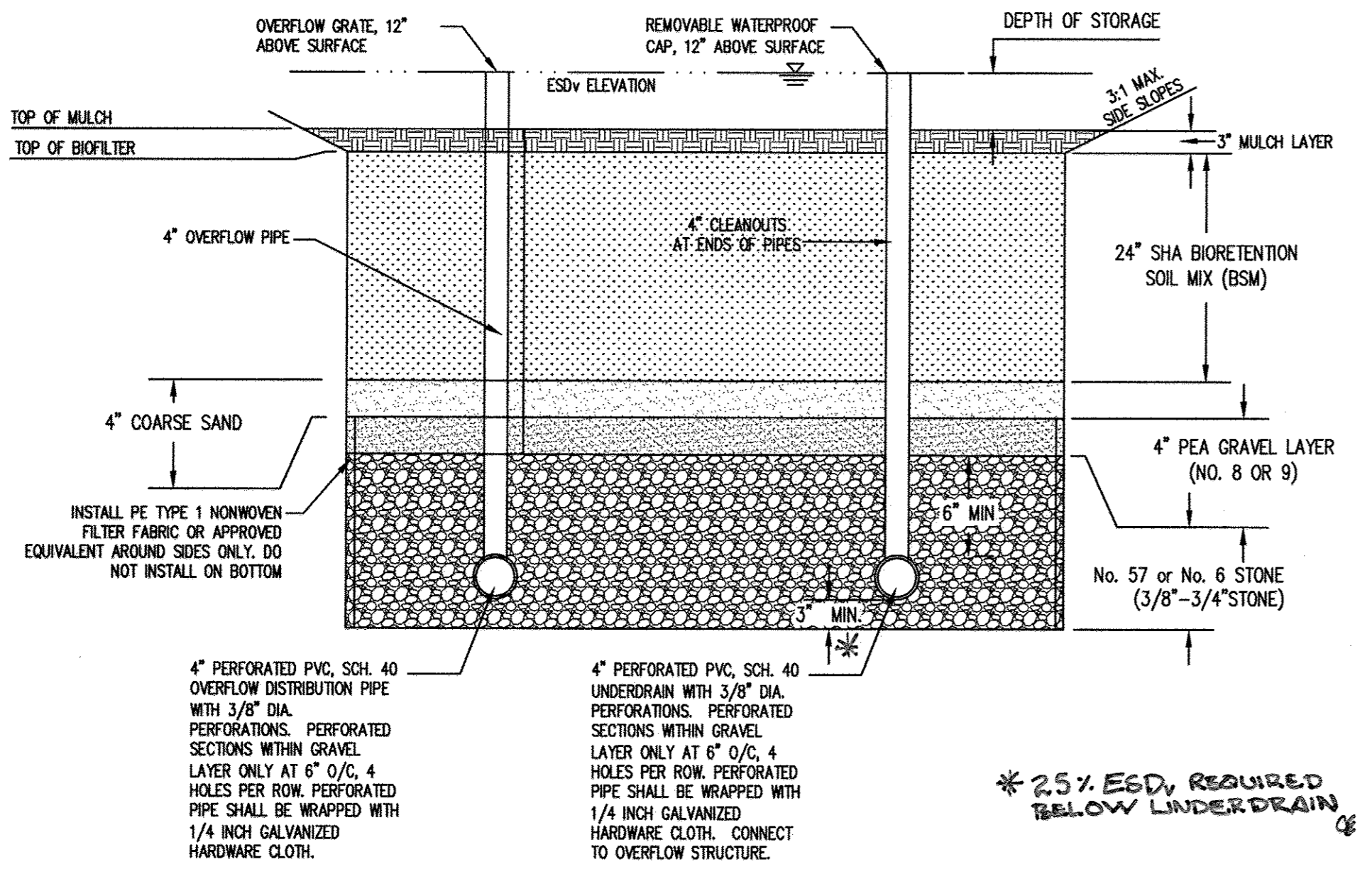
SOILS CHART							
MAP SYMBOL	NAME	STRUCTURAL LIMITATIONS DWELLINGS W/ BASEMENTS	EROSION HAZARD	HYDRIC (Y/N)	SLOPE (%)	SOIL GROUP	Kw FACTOR
UID	URBAN LAND-UDORTHERENTS COMPLEX	NOT RATED	SLIGHT	N	0-15	D	0.28

SOURCE: NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY AND HOWARD SOIL CONSERVATION DISTRICT SOIL MAP NUMBER X

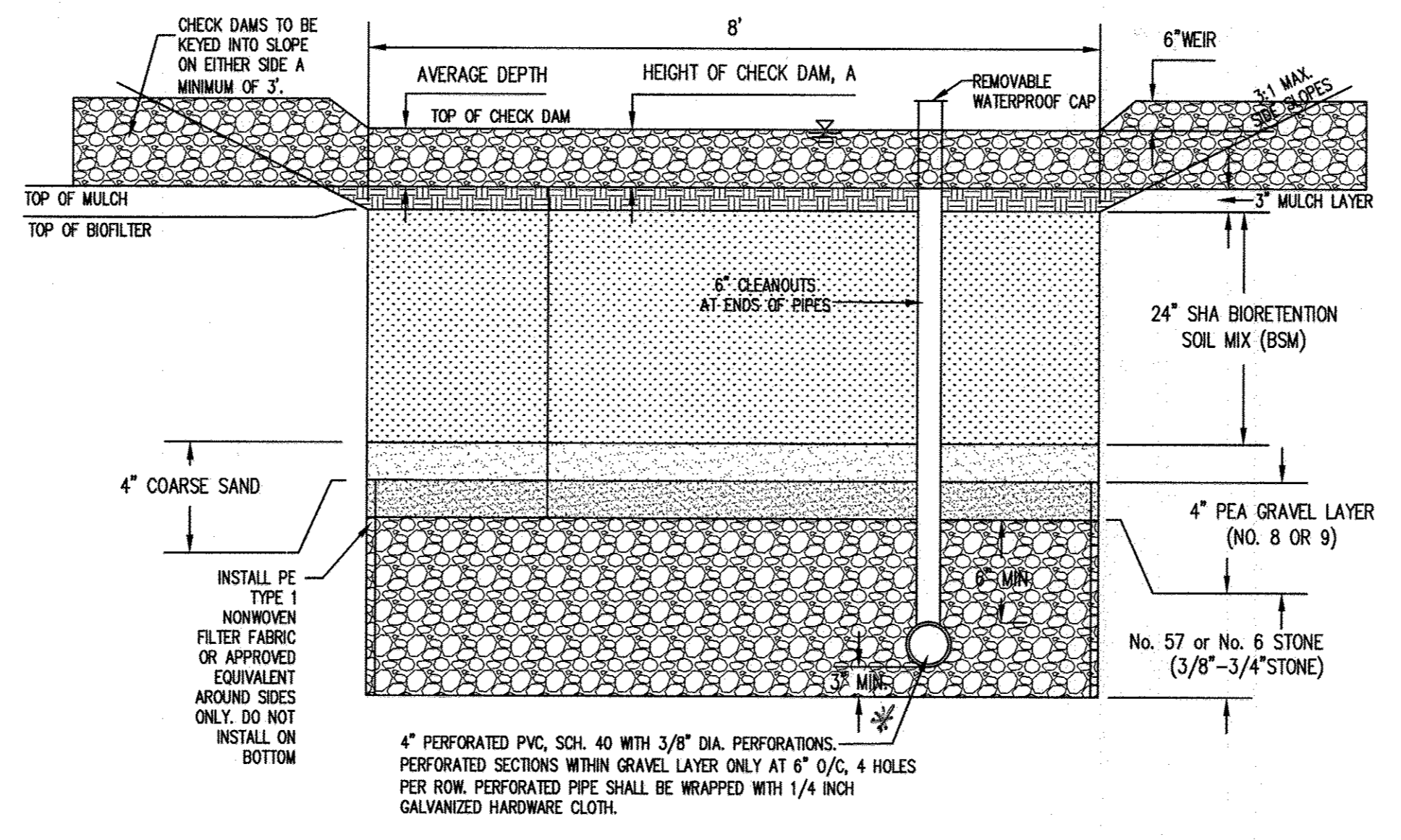
- GENERAL NOTES:**
- THE SITE IS LOCATED ALONG OCEANO AVENUE IN JESSUP, MD 20794 (TAX MAP 43, PARCEL 666). THE SITE CONSISTS OF 5.49 ACRES.
 - BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY PENNONI ASSOCIATES, DATED JANUARY 25, 2018.
 - THERE IS ONLY ONE SOIL TYPE ON THE SITE, WHICH IS URBAN LAND-UDORTHERENTS COMPLEX (0-15% SLOPES) - UID, ACCORDING TO THE NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.
 - SUBJECT PROPERTY IS ZONED M-2 PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN. CURRENTLY, THE SITE IS VACANT AND CONTAINS SCRUB-SHRUB SECOND GROWTH FORESTS.
 - THIS SITE IS LOCATED IN THE PATAPSCO RIVER LOWER NORTH BRANCH WATERSHED.
 - NO STREAMS, STREAM BUFFERS, WETLANDS, WETLAND BUFFERS, OR FLOODPLAINS ARE LOCATED ON THIS SITE.
 - THERE ARE TWO EXISTING FOREST STANDS LOCATED ON SITE, AS SHOWN ON THE PLAN. THEY ARE LOW PRIORITY FOREST STANDS DUE TO THE LACK OF ENVIRONMENTAL SYSTEMS PRESENT AND THE SECOND GROWTH NATURE OF THE FOREST.
 - THERE ARE NO SPECIMEN TREES LOCATED ON SITE, AS SHOWN ON THE PLAN. NO STATE CHAMPION TREES OR TREES 75% THE SIZE OF CHAMPION TREES ARE FOUND ON THE SITE.
 - FIELD WORK FOR THIS INVENTORY WAS CONDUCTED ON JANUARY 11, 2018 BY JONATHAN NORMAN, PLANNER OF PENNONI ASSOCIATES, INC. UNDER THE SUPERVISION OF PETER J. STONE, RLA OF PENNONI ASSOCIATES.
 - THE SITE HAS A REFORESTATION THRESHOLD OF 15% AND AN AFFORESTATION THRESHOLD OF 15%.
 - NO EXISTING STRUCTURES OR CEMETERIES ARE PRESENT ON THE SITE.
 - NO RARE, THREATENED, OR ENDANGERED PLANTS OR ANIMALS OR CRITICAL HABITATS WERE OBSERVED IN THE FIELD.
 - THIS FOREST STAND DELINEATION (FSD) HAS BEEN PREPARED IN ACCORDANCE WITH HOWARD COUNTY REGULATIONS.



VICINITY MAP
 SCALE: 1"=1,000'
 HOWARD COUNTY
 ADC MAP 41 GRID D-1
 ADC MAP USE LICENSE #3652



MICRO BIORETENTION TYPICAL SECTION
 NOT TO SCALE



BIOSWALE TYPICAL CROSS SECTION
 NOT TO SCALE

ESDv SUMMARY TABLE	
SITE AREA (LOD)	4.61 AC
IMPERVIOUS AREA	2.31 AC (50.1%)
Rv	0.50
TARGET Pe	1.80"
ESDv REQUIRED	15,090 CF
TREATMENT	ESDv PROVIDED
MICRO-BIORETENTION (M-6)	16,775 CF
BIOSWALE (M-8)	3,431 CF
TOTAL ESDv PROVIDED	20,206 CF

ESDv FACILITIES	
FACILITY	ESDv PROVIDED
MICROBIORETENTION AREA #1	2,706 CF
MICROBIORETENTION AREA #2	2,224 CF
MICROBIORETENTION AREA #3	1,326 CF
MICROBIORETENTION AREA #4	1,997 CF
MICROBIORETENTION AREA #5	2,172 CF
MICROBIORETENTION AREA #6	2,846 CF
MICROBIORETENTION AREA #7	1,473 CF
MICROBIORETENTION AREA #8	2,031 CF
BIOSWALE #1	3,431 CF

APPROVED: DEPARTMENT OF PLANNING AND ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION 4
 DATE: 4-19-18

 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 4-12-18

DATE	NO.	REVISION	BY

DEVELOPER: BTS BIOENERGY, INC.
 9250 BENDIX ROAD
 COLUMBIA, MD 21045
 ATTN: PETER ETTINGER
 PHONE: 301-943-4860

OWNER: MARYLAND FOOD CENTER AUTHORITY
 7801 OCEANO AVENUE
 JESSUP, MD 20794-9411
 ATTN: PEGGY TORRE
 PHONE: 410-379-5760

PROJECT: MARYLAND FOOD CENTER AUTHORITY

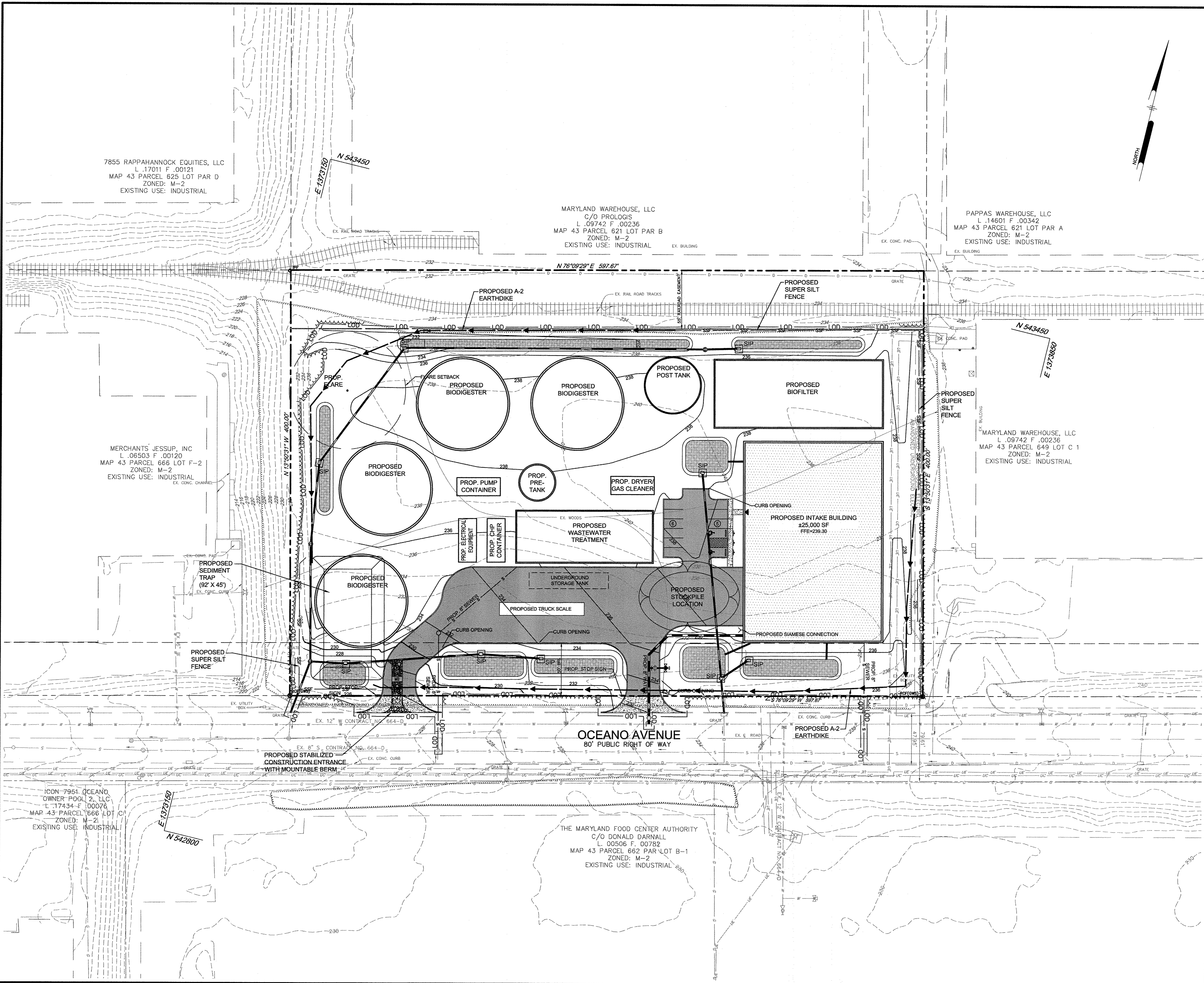
AREA: TAX MAP 43, PARCEL 666 LOT C3 ZONED M-2
 GRID NO. 21 6TH ELECTION DISTRICT
 7800 N OCEANO AVENUE
 JESSUP, MARYLAND 20794
 HOWARD COUNTY, MARYLAND

TITLE: FOREST STAND DELINEATION NOTES, TABULATIONS & ENVIRONMENTAL CONCEPT PLAN DETAILS

Pennonni Associates Inc.
 Engineers • Surveyors • Planners
 Landscape Architects
 8818 Centre Park Drive, Suite 200 Columbia, MD 21045
 T 410.997.8900 F 410.997.9282

SEAL: LANDSCAPE ARCHITECT
 PETER J. STONE
 LICENSE NO. 3068
 STATE OF MARYLAND

DESIGNED BY: PAI
 DRAWN BY: JSN
 PROJECT NO: BTSBI18001
 DATE: FEBRUARY 15, 2018
 SCALE: AS SHOWN
 DRAWING NO. 3 OF 5



LEGEND

EXISTING 2' CONTOUR	---
EXISTING 10' CONTOUR	---
EX. PROPERTY LINE AND RIGHT OF WAY	---
EX. TREELINE	---
EXISTING BUILDING	---
EXISTING WATER	---
EXISTING SEWER	---
EXISTING STORM DRAIN	---
EXISTING GAS	---
EXISTING UNDERGROUND ELECTRIC	---
EXISTING UNDERGROUND COMMUNICATION	---
EXISTING RAILROAD TRACK	---
EXISTING CURB & GUTTER	---
EXISTING FIRE HYDRANT	---
PROPOSED 2' CONTOUR	---
PROPOSED 10' CONTOUR	---
LIMIT OF DISTURBANCE	---
PROPOSED WATER	---
PROPOSED HYDRANT	---
PROPOSED SEWER	---
PROPOSED STORM DRAIN	---
PROPOSED STABILIZED CONSTRUCTION ENTRANCE	---
PROPOSED SEDIMENT TRAP	---
PROPOSED EARTHDIKE	---
PROPOSED SUPER SILT FENCE	---
PROPOSED TREELINE	---

0 40' 80'

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 4-19-18 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT *[Signature]* 4-12-18 DATE

DATE	NO.	REVISION	BY
DEVELOPER			
BTS BIOENERGY, INC. 9250 BENDIX ROAD COLUMBIA, MD 21045 ATTN: PETER EITINGER PHONE: 301-943-4860			
OWNER			
MARYLAND FOOD CENTER AUTHORITY 7801 OCEANO AVENUE JESSUP, MD 20794-9411 ATTN: PEGGY TORRE PHONE: 410-379-5760			
PROJECT			
MARYLAND FOOD CENTER AUTHORITY			
AREA			
TAX MAP 43, PARCEL 666 LOT C3 ZONED M-2 GRID NO. 21 6TH ELECTION DISTRICT 7800 N OCEANO AVENUE JESSUP, MARYLAND 20794 HOWARD COUNTY, MARYLAND			
TITLE			
CONCEPT SEDIMENT CONTROL PLAN			

Pennoni Associates Inc.
Engineers • Surveyors • Planners
Landscape Architects

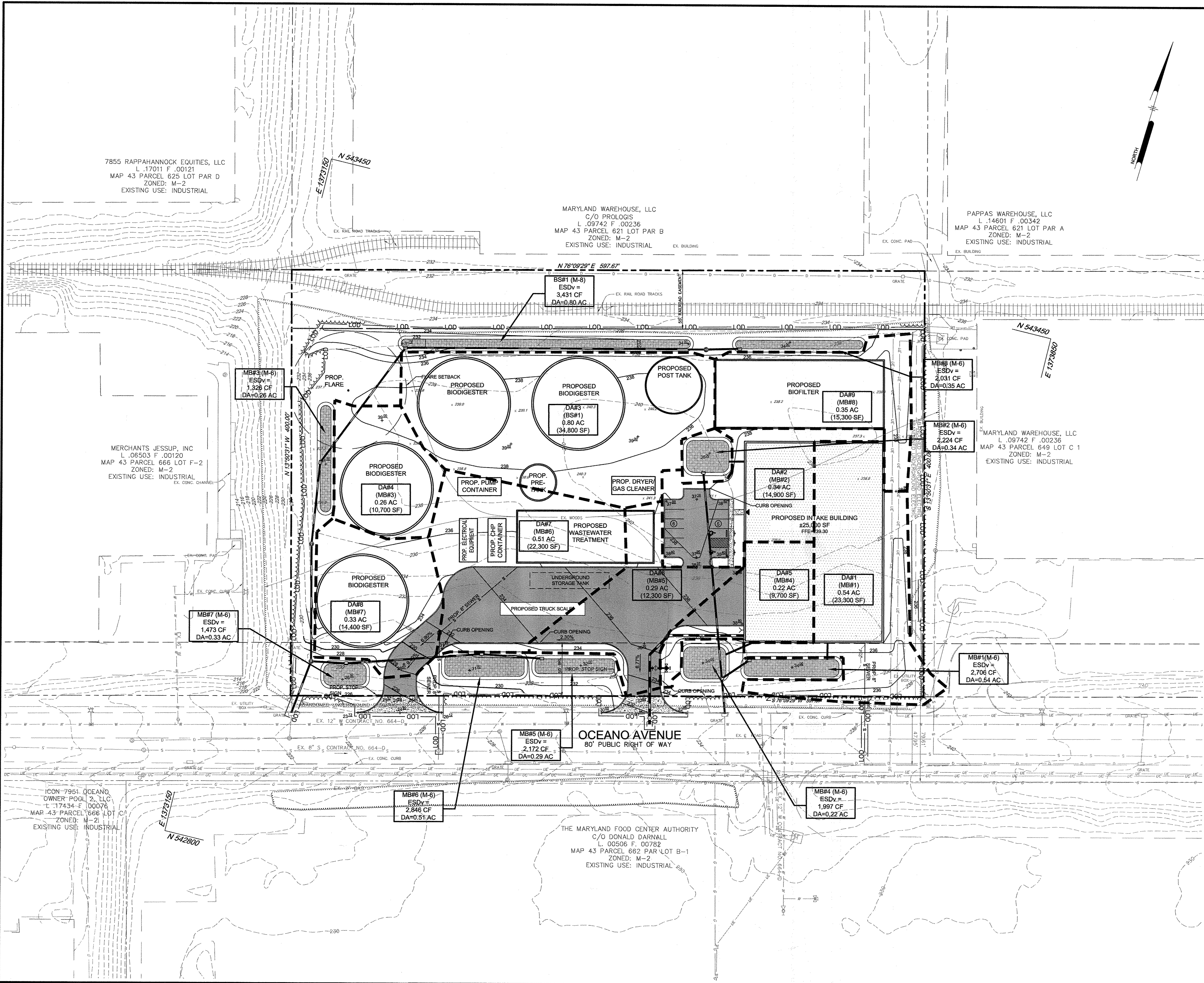
8818 Centre Park Drive, Suite 200 Columbia, MD 21045
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SEAL

DESIGNED BY: PAI
DRAWN BY: JSN
PROJECT NO: BTSB18001
DATE: FEBRUARY 15, 2018
SCALE: 1" = 40'
DRAWING NO. 4 OF 5

BY: *[Signature]* 4-4-18

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3068, EXPIRATION DATE: 10-10-2019



LEGEND

EXISTING 2' CONTOUR --- 232 ---
 EXISTING 10' CONTOUR --- 230 ---
 EX. PROPERTY LINE AND RIGHT OF WAY ---
 EX. TREELINE ---
 PROPOSED MICRO BIORETENTION [Pattern]
 LIMIT OF DISTURBANCE --- LOD ---
 PROPOSED 2' CONTOUR --- 232 ---
 PROPOSED 10' CONTOUR --- 230 ---
 PROPOSED SPOT ELEVATION +30.50
 PROPOSED STORM DRAIN ---
 PROPOSED DIVIDE ---
 PROPOSED SEWER --- S ---
 PROPOSED WATER ---
 PROPOSED BUILDING [Pattern]
 PROPOSED CONCRETE [Pattern]
 PROPOSED ASPHALT [Pattern]
 PROPOSED TREELINE ---

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 4/9/18 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT *[Signature]* 4-13-18 DATE

DATE	NO.	REVISION	BY
DEVELOPER			
BTS BIOENERGY, INC. 9250 BENDIX ROAD COLUMBIA, MD 21045 ATTN: PETER ETTINGER PHONE: 301-943-4860			
OWNER			
MARYLAND FOOD CENTER AUTHORITY 7801 OCEANO AVENUE JESSUP, MD 20794-9411 ATTN: PEGGY TORRE PHONE: 410-379-5760			
PROJECT			
MARYLAND FOOD CENTER AUTHORITY			
AREA			
TAX MAP 43, PARCEL 666 LOT C3 ZONED M-2 GRID NO. 21 6TH ELECTION DISTRICT 7900 N OCEANO AVENUE JESSUP, MARYLAND 20794 HOWARD COUNTY, MARYLAND			

TITLE

ENVIRONMENTAL CONCEPT PLAN

Pennoni Associates Inc.
 Engineers - Surveyors - Planners
 Landscape Architects
 8818 Centre Park Drive, Suite 200 Columbia, MD 21045
 T 410.997.8900 F 410.997.9282

SEAL

DESIGNED BY: PAI
 DRAWN BY: JSN
 PROJECT NO.: BTSB18001
 DATE: FEBRUARY 15, 2018
 SCALE: 1" = 40'
 DRAWING NO. 5 OF 5

BY: *[Signature]*
 PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3068, EXPIRES 12/31/2018.