



LEGEND

	SEPTIC EASEMENT AREA
	STEEP SLOPES 15-25%
	STEEP SLOPES >25%
	SPECIMEN TREE (PROPOSED TO BE REMOVED)
	CRITICAL ROOT ZONE
	100 YR. FLOODPLAIN

BOHLER ENGINEERING

CORPORATE OFFICE:
 WARRREN, NJ

CIVIL & CONSULTING ENGINEERS

SURVEYORS
 PROJECT MANAGERS
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS

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 WASHINGTON, VA

THE PROFESSIONAL ENGINEER SEAL IS THE PROPERTY OF THE STATE OF MARYLAND. IT IS TO BE USED ONLY FOR THE PROJECT AND IN THE STATE OF MARYLAND. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

REVISIONS

REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD142048
 DRAWN BY: AVG
 CHECKED BY: JMA
 DATE: 10/21/17
 SCALE: AS NOTED
 CAD I.D.: ECS

ENVIRONMENTAL CONCEPT PLAN

FOR
SIMPSON & DENAULT, PROPERTIES
 LOTS 1-45, BUILDABLE
 PRESERVATION PARCEL C,
 NON-BUILDABLE PRESERVATION
 PARCELS A, B, E - G & L,
 & NON-BUILDABLE BULK
 PARCEL D & H-K
 LOCATION OF SITE
 5232 GREEN BRIDGE ROAD
 5TH ELECTION DISTRICT
 TAX MAP 27, GRID 18,
 PARCELS 34, 36, 98, 111, & 112
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING

901 DULANEY VALLEY ROAD,
 SUITE 801
 TOWSON, MARYLAND 21284
 Phone: (410) 821-7900
 Fax: (410) 821-7987
www.BohlerEngineering.com

B.B. ROWE

PROFESSIONAL ENGINEER
 LICENSE NO. 10317

OVERALL SITE PLAN

SHEET NUMBER:
2 OF 13

SIMPSON & DENAULT PROPERTIES

46 SINGLE FAMILY DETACHED UNITS

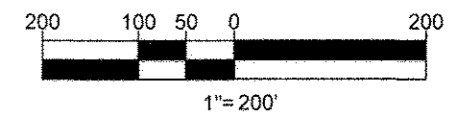
CUT/FILL ANALYSIS

TOTAL CUT = 62,313 CY
 TOTAL FILL = 183,125 CY (15% SHRINKAGE FACTOR APPLIED)
 TOTAL IMPORT = 120,812 CY

LIMIT OF DISTURBANCE: 64.77 AC.

NOTES

- ALL UNDERGROUND ROOF LEADERS WILL BE 6" PVC PIPE.
- ALL BIOTRETENTION FACILITIES LEADING TO THEIR OWN OUTFALL POINT WILL HAVE OUTFALL PIPES SIZED TO HANDLE THE 10-YR STORM EVENT.
- STORMWATER QUALITY MANAGEMENT WILL BE PROVIDED BY 7 BIOTRETENTION, 6 MICRO-BIOTRETENTION, 1 SUBMERGED GRAVEL WETLAND, FACILITIES AND 296 DRYWELLS.
- HAZARD CLASS FOR ALL SWM FACILITIES IS "A" DUE TO NO LIFE LOSS FOR FAILURE.

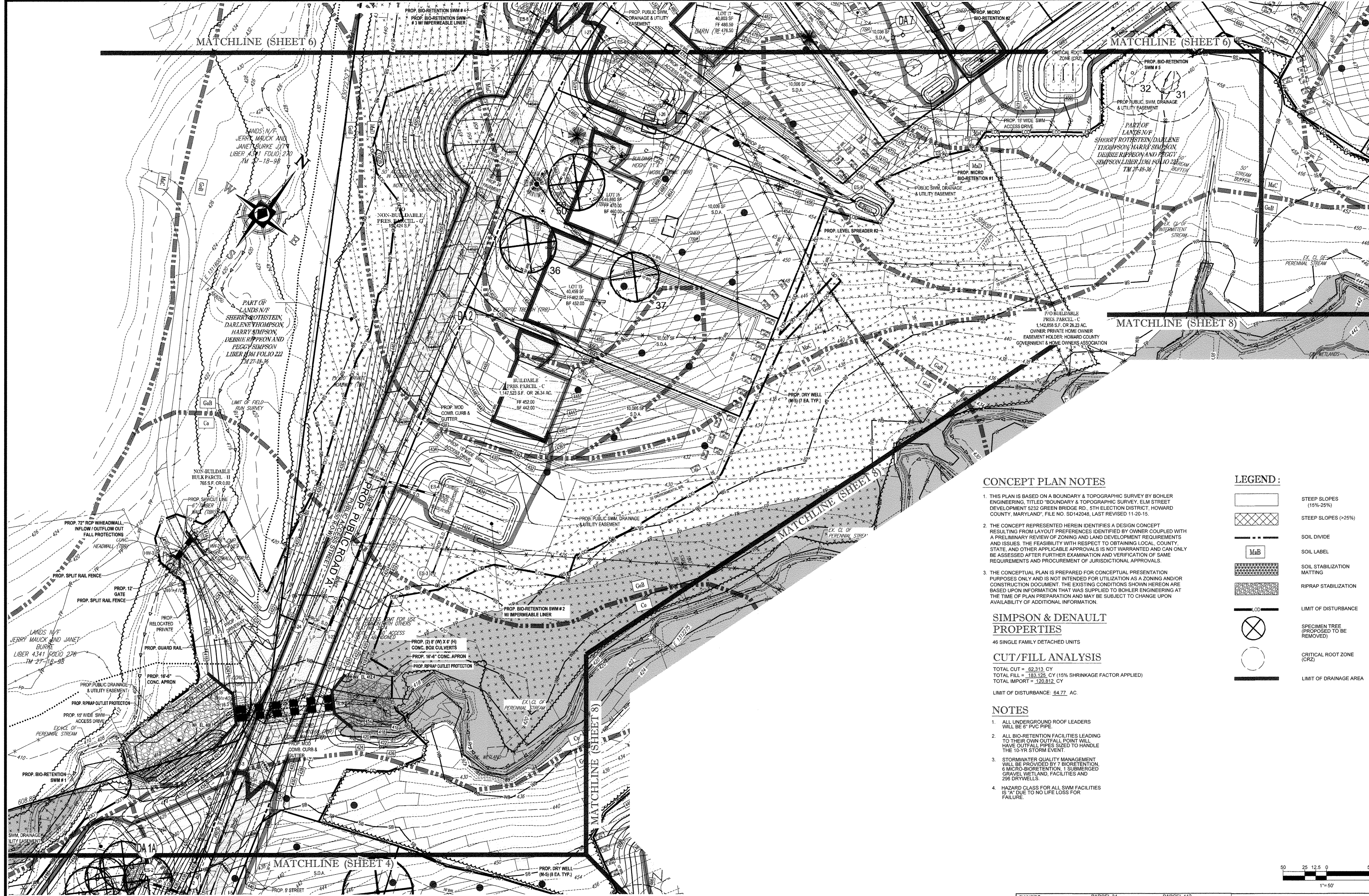


APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 10/16/17
 CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 10-17-17
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

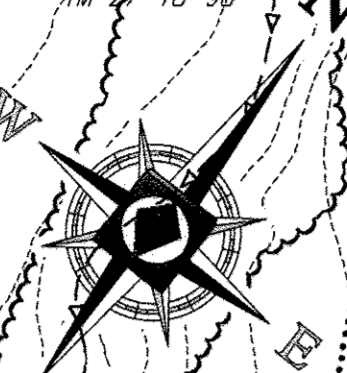
OWNERS: PARCEL 36 SHERRY ROTHSTEIN DARLENE THOMPSON HARRY SIMPSON DEBBIE RIFFEON PEGGY SIMPSON 5232 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 34 THOMAS H. SIMPSON 5300 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 112 DANA G. DENAULT THOMAS C. DENAULT 5222 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	DEVELOPER: ELM STREET DEVELOPMENT 6074 DORSEY HALL ROAD, SUITE 205 COLUMBIA, MD 21042 CONTACT: JASON VAN NINK PHONE: (410) 729-3021
PARCEL 111 DENNIS A. LEAF LENORE D. SINES 5225 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 98 JERRY MAUCK JANET BURKE-JIT 5234 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	DEVELOPER: PARCEL 34, 36, 98, 111, & 112 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	TAX MAP: 27 GRID: 18 ZONED: RR-DEO
SUBDIVISION NAME: TBD SECTION/AREA: N/A DEED # 1198100222, 0018300554, 1588400284, 0252600634, 0583800490 0454100270, & 0320100539	PREVIOUS FILE No.: SP-17-002	PROFESSIONAL CERTIFICATION I, BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 48086 EXPIRATION DATE: 7/3/2019	



MATCHLINE (SHEET 6)

MATCHLINE (SHEET 6)

MATCHLINE (SHEET 8)



CONCEPT PLAN NOTES

1. THIS PLAN IS BASED ON A BOUNDARY & TOPOGRAPHIC SURVEY BY BOHLER ENGINEERING, TITLED "BOUNDARY & TOPOGRAPHIC SURVEY, ELM STREET DEVELOPMENT 5232 GREEN BRIDGE RD, 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND", FILE NO. SD142048, LAST REVISED 11-20-15.
2. THE CONCEPT REPRESENTED HEREIN IDENTIFIES A DESIGN CONCEPT RESULTING FROM LAYOUT PREFERENCES IDENTIFIED BY OWNER COUPLED WITH A PRELIMINARY REVIEW OF ZONING AND LAND DEVELOPMENT REQUIREMENTS AND ISSUES. THE FEASIBILITY WITH RESPECT TO OBTAINING LOCAL, COUNTY, STATE, AND OTHER APPLICABLE APPROVALS IS NOT WARRANTED AND CAN ONLY BE ASSESSED AFTER FURTHER EXAMINATION AND VERIFICATION OF SAME REQUIREMENTS AND PROCEDURE OF JURISDICTIONAL APPROVALS.
3. THE CONCEPTUAL PLAN IS PREPARED FOR CONCEPTUAL PRESENTATION PURPOSES ONLY AND IS NOT INTENDED FOR UTILIZATION AS A ZONING AND/OR CONSTRUCTION DOCUMENT. THE EXISTING CONDITIONS SHOWN HEREON ARE BASED UPON INFORMATION THAT WAS SUPPLIED TO BOHLER ENGINEERING AT THE TIME OF PLAN PREPARATION AND MAY BE SUBJECT TO CHANGE UPON AVAILABILITY OF ADDITIONAL INFORMATION.

SIMPSON & DENAULT PROPERTIES

46 SINGLE FAMILY DETACHED UNITS

CUT/FILL ANALYSIS

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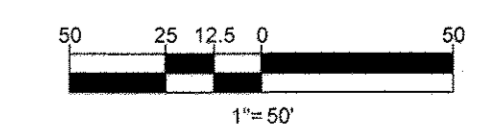
LIMIT OF DISTURBANCE: 84.77 AC

NOTES

1. ALL UNDERGROUND ROOF LEADERS WILL BE OF PVC PIPE.
2. ALL BIO-RETENTION FACILITIES LEADING TO THEIR OWN OUTFALL POINT WILL HAVE OUTFALL PIPES SIZED TO HANDLE THE 10-YR STORM EVENT.
3. STORMWATER QUALITY MANAGEMENT WILL BE PROVIDED BY 7 BIORETENTION, 6 MICRO-BIORETENTION, 1 SUBMERGED GRAVEL WETLAND, FACILITIES AND 256 DRYWELLS.
4. HAZARD CLASS FOR ALL SWM FACILITIES IS "A" DUE TO NO LIFE LOSS FOR FAILURE.

LEGEND :

- STEEP SLOPES (15%-25%)
- STEEP SLOPES (>25%)
- SOIL DIVIDE
- SOIL LABEL
- SOIL STABILIZATION MATTING
- RIPRAP STABILIZATION
- LIMIT OF DISTURBANCE
- SPECIMEN TREE (PROPOSED TO BE REMOVED)
- CRITICAL ROOT ZONE (CRZ)
- LIMIT OF DRAINAGE AREA



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development
 Chief, Development Engineering Division
 DATE: 10-12-17

OWNERS: PARCEL 36 SHERRY ROTHSTEIN DARLENE THOMPSON HARRY SIMPSON DEBBIE RIPPON PEGGY SIMPSON 5232 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 34 THOMAS H SIMPSON 5200 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 112 DANA G DENAULT THOMAS C DENAULT 5222 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	DEVELOPER: ELM STREET DEVELOPMENT 5074 DORSEY HALL ROAD, SUITE 205 COLUMBIA, MD 21042 CONTACT: JASON VAN KIRK PHONE: (410) 720-3021
PARCEL 111 DENNIS A LEAF LENORE D. SINES 5228 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	PARCEL 98 JERRY MAUCK JANET BURKE/JT 5234 GREEN BRIDGE ROAD DAYTON, MD 21036 TEL.	TAX MAP: 27 GRID: 18 ZONED: RR-DEO PARCEL 34, 36, 112, 98, & 111 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	PROFESSIONAL CERTIFICATION I, BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS 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. 40806, EXPIRATION DATE: 7/31/219

BOHLER ENGINEERING

CORPORATE OFFICE:
 1000 WASHINGTON BLVD
 SUITE 200
 WASHINGTON, DC 20004

REGIONAL OFFICES:
 BOSTON, MA
 CHICAGO, IL
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 DENVER, CO
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 NEW YORK, NY
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 TAMPA, FL

CIVIL & CONSULTING ENGINEERS
 SURVEYORS
 PROJECT MANAGERS
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS

REVISIONS

REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD142048
 DRAWN BY: JMA
 CHECKED BY: JMA
 DATE: 10/27/17
 SCALE: 1" = 50'
 CAD L.D.: ECG

ENVIRONMENTAL CONCEPT PLAN

FOR
SIMPSON & DENAULT, PROPERTIES

LOTS 1-45, BUILDABLE PRESERVATION PARCEL C, NON-BUILDABLE PRESERVATION PARCELS A, B, E - G & L & NON-BUILDABLE BULK PARCEL D & H-K
 LOCATION OF SITE
 5232 GREEN BRIDGE ROAD
 5TH ELECTION DISTRICT
 TAX MAP 27, GRID 18,
 PARCELS 34, 36, 98, 111, & 112
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING

901 DULANEY VALLEY ROAD,
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 Fax: (410) 821-7987
 www.BohlerEngineering.com

B.R. ROWE

PROFESSIONAL ENGINEER
 LICENSE NO. 40806

SHEET TITLE:
ENVIRONMENTAL CONCEPT PLAN

SHEET NUMBER:
5 OF 13



BOHLER ENGINEERING

CORPORATE OFFICE:
 1000 W. MARKET ST., SUITE 200
 PHILADELPHIA, PA 19102
 (215) 562-1000

SURVEYORS
 CIVIL & CONSULTING ENGINEERS

PROJECT MANAGERS
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS

OFFICES:
 BOWIE, MD
 TOWSON, MD
 WASHINGTON, VA
 CHALMONT, PA
 TAMPA, FL
 PHILADELPHIA, PA

REVISIONS			
REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE: CALL 811 (WWW.1-800-454-4849) (PA: 1-800-241-7773) (DC: 1-800-257-7777) (VA: 1-800-552-7991) (MD: 1-800-287-7777) (DE: 1-800-292-8555)

PROJECT No.:	MD142048
CHECKED BY:	AVG
DATE:	10/21/17
SCALE:	1" = 50'
CAD I.D.:	EC5

ENVIRONMENTAL CONCEPT PLAN

FOR
SIMPSON & DENAULT PROPERTIES

LOTS 1-45, BUILDABLE PRESERVATION PARCEL C, NON-BUILDABLE PRESERVATION PARCELS A, B, E, G & L, & NON-BUILDABLE BULK PARCEL D & H-K
 LOCATION OF SITE

5232 GREEN BRIDGE ROAD
 5TH ELECTION DISTRICT
 TAX MAP 27, GRID 18,
 PARCELS 34, 36, 98, 111, & 112
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING

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B.B. BROWE

PROFESSIONAL ENGINEER
 (MARYLAND LICENSE NO. 4099)

10/17/17

SHEET TITLE:
ENVIRONMENTAL CONCEPT PLAN

SHEET NUMBER:
7 OF 13

LEGEND:

- STEEP SLOPES (15%-25%)
- STEEP SLOPES (>25%)
- SOIL DIVIDE
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OWNERS:
 PARCEL 36
 SHERRY ROTHSTEIN
 DARLENE THOMPSON
 HARRY SIMPSON
 DEBBIE RIPPEON
 PEGGY SIMPSON
 5232 GREEN BRIDGE ROAD
 DAYTON, MD 21036
 TEL: (410) 821-7987

PARCEL 111
 DENNIS A. LEAF
 LENORE D. SINES
 5226 GREEN BRIDGE ROAD
 DAYTON, MD 21036
 TEL: (410) 821-7987

PARCEL 112
 DANA G. DENAULT
 THOMAS C. DENAULT
 5222 GREEN BRIDGE ROAD
 DAYTON, MD 21036
 TEL: (410) 821-7987

PARCEL 98
 JERRY MAUCK
 JANEY BURKE/JT
 5234 GREEN BRIDGE ROAD
 DAYTON, MD 21036
 TEL: (410) 821-7987

DEVELOPER:
 ELM STREET DEVELOPMENT
 5074 DORSEY HALL ROAD, SUITE 205
 COLUMBIA, MD 21042
 CONTACT: JASON VAN KIRK
 PHONE: (410) 720-3021

TAX MAP: 27 GRID: 18 ZONED: RR-DEO
 PARCEL: 34, 36, 112, 98, & 111
 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, CERTIFY THAT THESE DOCUMENTS 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. 40806. EXPIRATION DATE: 7/31/2019

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John P. Love 10/17/17
 CHIEF, DIVISION OF LAND DEVELOPMENT

John P. Love 10/17/17
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

GENERAL NOTE:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT. WORK SHOULD BE COMPLETED PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A DISCREPANCY BETWEEN THE DRAWINGS AND THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS SHOWN BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATORY AGENCIES.

SUBDIVISION NAME: TBD
 SECTION/AREA: NA
 DEED # 11361/00222, 00183/00554
 15884000984, 0252800854, 0586900490
 04341/00270, & 03201/00539

PREVIOUS FILE NO.:
 SP-17-002

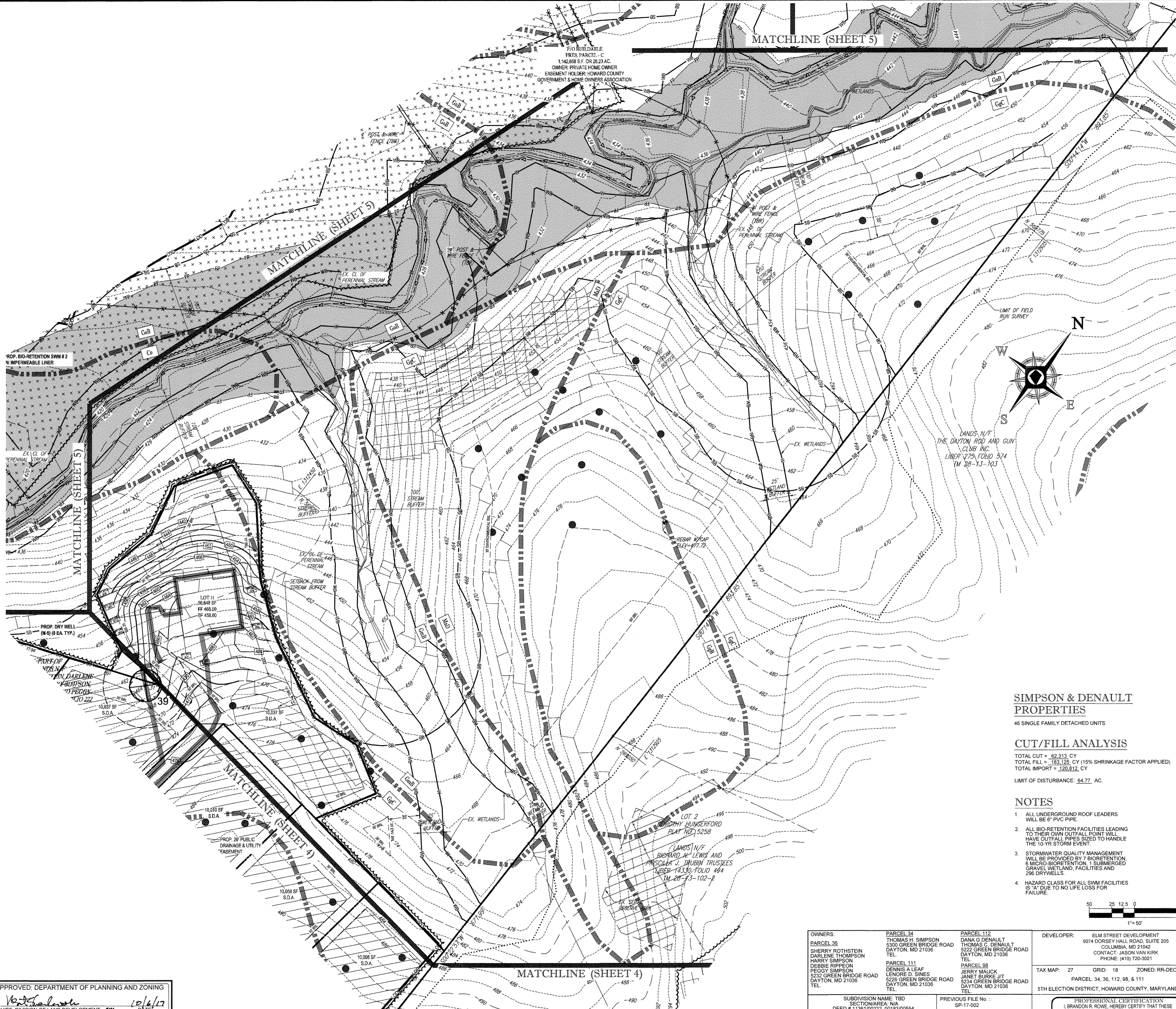
* NOTE: PROPOSED IMPERVIOUS AREA DOES NOT INCLUDE PROPOSED DWELLINGS.

LEGEND:

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SPECIMEN TREES

ID #	SPECIES NAME	SIZE	CONDITION	SPECIMEN TREES TO REMAIN
1	TULIP POPLAR	34"	GOOD	NO
2	TULIP POPLAR	32"	GOOD	NO
3	TULIP POPLAR	38"	POOR	NO
4	TULIP POPLAR	31"	GPPD	NO
5	TULIP POPLAR	31"	POOR	NO
6	TULIP POPLAR	33"	FAIR	YES
7	TULIP POPLAR	40"	F. GOOD	YES
8	TULIP POPLAR	38"	POOR	YES
9	TULIP POPLAR	31"	GOOD	YES
10	TULIP POPLAR	33"	GOOD	YES
11	TULIP POPLAR	38"	GOOD	YES
12	TULIP POPLAR	36"	GOOD	YES
13	TULIP POPLAR	54"	F. GOOD	NO
14	BLACK OAK	33"	GOOD	YES
15	TULIP POPLAR	33"	F. GOOD	NO
16	TULIP POPLAR	48"	F. GOOD	NO
17	BLACK OAK	34"	POOR	NO
18	WHITE OAK	32"	F. GOOD	NO
19	NORTHERN RED OAK	33"	GOOD	NO
20	RED OAK	31"	F. GOOD	NO
21	BLACK OAK	32"	V. POOR	NO
22	NORTHERN RED OAK	31"	V. POOR	NO
23	TULIP POPLAR	31"	GOOD	NO
24	TULIP POPLAR	30"	F. GOOD	NO
25	TULIP POPLAR	31"	GOOD	NO
26	TULIP POPLAR	33"	GOOD	YES
27	SYCAMORE	45"	FAIR	YES
28	TULIP POPLAR	40"	GOOD	NO
29	TULIP POPLAR	33"	GOOD	NO
30	TULIP POPLAR	36"	GOOD	NO
31	TULIP POPLAR	32"	GOOD	YES
32	TULIP POPLAR	32"	GOOD	YES
33	TULIP POPLAR	31"	GOOD	NO
34	TULIP POPLAR	33"	GOOD	NO
35	TULIP POPLAR	40"	GOOD	NO
36	UNCONFIRMED	40"	GOOD	NO
37	NORTHERN RED OAK	34"	GOOD	YES
38	WHITE OAK	52"	GOOD SPLIT ABOVE DBH	NO
39	SOUTHERN RED OAK	31"	GOOD	YES
40	WHITE OAK	30"	GOOD	YES
41	NORTHERN RED OAK	31"	GOOD HEALTH, UNBALANCED CROWN	NO
42	WHITE OAK	30"	GOOD	NO
43	BLACK OAK	31"	GOOD	NO
44	NORTHERN RED OAK	30"	GOOD	YES
45	WHITE OAK	30"	POOR	YES
46	NORTHERN RED OAK	32"	FAIR POOR	YES
47	SOUTHERN RED OAK	32"	GOOD	YES
48	WHITE OAK	32"	GOOD	YES
49	NORTHERN RED OAK	32"	GOOD	YES



SIMPSON & DENAULT PROPERTIES

46 SINGLE FAMILY DETACHED UNITS
CUT/FILL ANALYSIS
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SUBDIVISION NAME: TBD SECTION/AREA: N/A DEED # 1136100222, 0018300554, 1588400384, 0252800554, 0588900490 0434100270, & 0320100539	PREVIOUS FILE No.: SP-17-002	TAX MAP: 27 GRID: 18 ZONED: RR-DEO PARCEL: 34, 36, 112, 98, & 111 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	PROFESSIONAL CERTIFICATION BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS 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. 48088, EXPIRATION DATE: 7/31/2019

APPROVED, DEPARTMENT OF PLANNING AND ZONING
 [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT 10/16/17
 [Signature]
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 10-12-17

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BOHLER ENGINEERING
 CORPORATE OFFICE: [Address]
 OFFICES: [List of cities]
 PROJECT MANAGERS: [List of names]
 ENVIRONMENTAL CONSULTANTS: [List of names]
 LANDSCAPE ARCHITECTS: [List of names]

REVISIONS

REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD142048
 DRAWN BY: AVG
 CHECKED BY: JMA
 DATE: 10/21/17
 SCALE: 1" = 50'
 CAD I.D.: ECG

ENVIRONMENTAL CONCEPT PLAN
 FOR
SIMPSON & DENAULT, PROPERTIES
 LOTS 1-45, BUILDABLE PRESERVATION PARCEL C, NON-BUILDABLE PRESERVATION PARCELS A, B, E - G & I, & NON-BUILDABLE BULK PARCEL D & H-K
 LOCATION OF SITE
 5232 GREEN BRIDGE ROAD
 5TH ELECTION DISTRICT
 TAX MAP 27, GRID 18,
 PARCELS 34, 36, 98, 111, & 112
 HOWARD COUNTY, MARYLAND

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B.R. ROWE
 PROFESSIONAL ENGINEER
 LANDSCAPE ARCHITECT
 10/17/17

SHEET TITLE:
ENVIRONMENTAL CONCEPT PLAN
 SHEET NUMBER:
8 OF 13

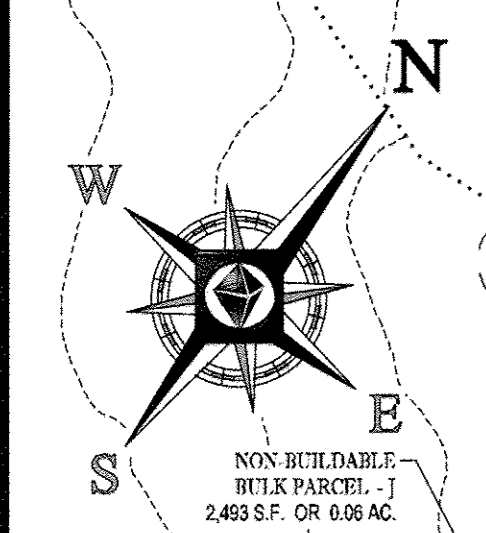


LANDS N/F DENNIS A LEAF AND LENORE DENISE SINES LIBER 3201 FOLIO 539 TM 27-18-1111
MATCHLINE (SHEET 12)

THE OAKS AT BRADLEE CT PLAT BOOK 199 PAGE 1
LANDS N/F JERK, LLC LIBER 15496-FOLIO-T TM 28-7-13-B
MATCHLINE (SHEET 12)

LEGEND:

- STABILIZED CONSTRUCTION ENTRANCE
- DIVERSION DIKE
- SUPER SILT FENCE
- TREE PROTECTION FENCE
- CURB INLET PROTECTION
- STANDARD INLET PROTECTION
- STEEP SLOPES (15%-25%)
- STEEP SLOPES (>25%)
- SOIL DIVIDE
- SOIL LABEL
- RIPRAP STABILIZATION
- LIMIT OF DISTURBANCE
- SPECIMEN TREE (PROPOSED TO BE REMOVED)
- CRITICAL ROOT ZONE (CRZ)



LOT 11 SIMPSON TRACT PLAT NO. 3374
LANDS N/F CLYDE B. SIMPSON, SR. AND KAREN L. SIMPSON LIBER 2928 FOLIO 654 TM 27-18-123
NON-BUILDABLE TRACT PARCEL - J 2,383 S.F. OR 0.05 AC

BOHLER ENGINEERING
CORPORATE OFFICE: WARREN, NJ
SURVEYORS: BETHESDA, MD; TOWSON, MD; STERLING, VA; FARMINGDALE, VA; FORT LAUDERDALE, FL
PROJECT MANAGERS: CENTER VALLEY, PA
ENVIRONMENTAL CONSULTANTS: GAITHER, VA
LANDSCAPE ARCHITECTS: GAITHER, VA

REVISIONS

REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD142048
DRAWN BY: JMA
CHECKED BY: JMA
DATE: 10/21/17
SCALE: 1" = 50'
CAD I.D.: EC5

ENVIRONMENTAL CONCEPT PLAN
FOR
SIMPSON & DENAULT, PROPERTIES
LOTS 1-45, BUILDABLE PRESERVATION PARCEL C, NON-BUILDABLE PRESERVATION PARCELS A, B, E - G & L & NON-BUILDABLE BULK PARCELS D & H-K
LOCATION OF SITE
5232 GREEN BRIDGE ROAD
5TH ELECTION DISTRICT
TAX MAP 27, GRID 18,
PARCELS 34, 36, 98, 111, & 112
HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21284
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B.R. ROWE
PROFESSIONAL ENGINEER
NO. 10317

SHEET TITLE:
SEDIMENT CONTROL AND ENVIRONMENTAL CONCEPT PLAN
SHEET NUMBER:
11 OF 13

SIMPSON & DENAULT PROPERTIES
48 SINGLE FAMILY DETACHED UNITS

CUT/FILL ANALYSIS
TOTAL CUT = 62,313 CY
TOTAL FILL = 183,125 CY (15% SHRINKAGE FACTOR APPLIED)
TOTAL IMPORT = 120,812 CY
LIMIT OF DISTURBANCE: 64.77 AC.

CONCEPT PLAN NOTES

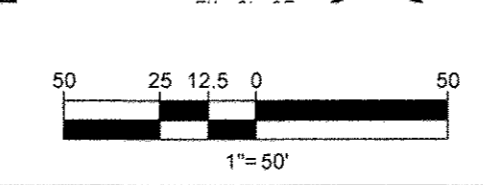
- THIS PLAN IS BASED ON A BOUNDARY & TOPOGRAPHIC SURVEY BY BOHLER ENGINEERING, TITLED "BOUNDARY & TOPOGRAPHIC SURVEY, ELM STREET DEVELOPMENT 5232 GREEN BRIDGE RD., 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND", FILE NO. SD142048, LAST REVISED 11-20-15.
- THE CONCEPT REPRESENTED HEREIN IDENTIFIES A DESIGN CONCEPT RESULTING FROM LAYOUT PREFERENCES IDENTIFIED BY OWNER COUPLED WITH A PRELIMINARY REVIEW OF ZONING AND LAND DEVELOPMENT REQUIREMENTS AND ISSUES. THE FEASIBILITY WITH RESPECT TO OBTAINING LOCAL, COUNTY, STATE, AND OTHER APPLICABLE APPROVALS IS NOT WARRANTED AND CAN ONLY BE ASSESSED AFTER FURTHER EXAMINATION AND VERIFICATION OF SAME REQUIREMENTS AND PROCUREMENT OF JURISDICTIONAL APPROVALS.
- THE CONCEPTUAL PLAN IS PREPARED FOR CONCEPTUAL PRESENTATION PURPOSES ONLY AND IS NOT INTENDED FOR UTILIZATION AS A ZONING AND/OR CONSTRUCTION DOCUMENT. THE EXISTING CONDITIONS SHOWN HEREON ARE BASED UPON INFORMATION THAT WAS SUBJECT TO BOHLER ENGINEERING AT THE TIME OF PLAN PREPARATION AND MAY BE SUBJECT TO CHANGE UPON AVAILABILITY OF ADDITIONAL INFORMATION.

NOTES

- ALL UNDERGROUND ROOF LEADERS WILL BE OF PVC PIPE.
- ALL BIO RETENTION FACILITIES LEADING TO THEIR OWN OUTFALL POINT WILL HAVE OUTFALL PIPES SIZED TO HANDLE THE 10-YR STORM EVENT.
- STORMWATER QUALITY MANAGEMENT WILL BE PROVIDED BY 7 BIORETENTION, 6 MICRO-BIORETENTION, 1 SUBMERGED GRAVEL WETLAND, FACILITIES AND 296 DRYWELLS.
- HAZARD CLASS FOR ALL SWM FACILITIES IS "A" DUE TO NO LIFE LOSS FOR FAILURE.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
DATE: 10/16/17
DATE: 10-17-17

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS SHOWN BY THE DRAWINGS AND FULL COMPLIANCE WITH ALL REGULATIONS AND CODES.



SUBDIVISION NAME: TBD
SECTION: PARCELS A, B, C
DEED # 11361/00222, 00183/00554,
15884/0003894, 00252/000554, 05889/00490
04341/00270, & 05201/002539

PREVIOUS FILE NO.: SP-17-002

PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS 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. 40888, EXPIRATION DATE: 7/2/2019

