

SITE ANALYSIS DATA CHART

1. GENERAL SITE DATA
 - a. PRESENT ZONING: PEC-MXD-3
 - b. APPLICABLE DPZ FILE REFERENCES: N/A
 - c. PROPOSED USE:
 - HOWARD CO. WATER PUMPING STATION
 - d. EXISTING USE: VACANT
 - e. PROPOSED WATER: PUBLIC
 - f. PROPOSED SEWER: PRIVATE
 - g. ANY OTHER RELEVANT INFORMATION: N/A
 - h. AREA OF STEEP SLOPES 15% AND GREATER: 0 AC.
 - i. AREA OF FLOODPLAIN AND ITS BUFFER: 0 AC.
 - j. AREA OF WETLANDS AND THEIR BUFFERS: 0 AC.
 - k. AREA OF FORESTS: 0 AC.
 - l. AREA OF ERODIBLE SOILS: 0 AC.±
2. AREA TABULATION
 - a. TOTAL SITE AREA: 0.45 AC.±
 - b. TOTAL LIMIT OF DISTURBED AREA: 1.279 AC.±
 - c. ONSITE LIMIT OF DISTURBED AREA: 0.45 AC.±/-
 - d. OFFSITE LIMIT OF DISTURBED AREA: 0.829 AC.±/-
 - e. TOTAL IMPERVIOUS AREA: 0.18 AC.±
 - f. BUILDING COVERAGE OF SITE: 715 SQ FT
 - g. GREEN OPEN AREA: 0.27 AC.±
3. THERE ARE NO REGULATED STREAMS, WETLANDS 100 YEAR FLOODPLAINS, ASSOCIATED BUFFERS, OR STEEP SLOPES ON OR ADJACENT TO THE SITE. JUSTIFICATIONS ARE NECESSARY AS DESCRIBED IN THE HOWARD COUNTY CODE SECTION 16.116(c).
4. NO PORTION OF THE SITE MEETS THE TECHNICAL DEFINITION OF "FOREST" AND THERE ARE NO SPECIMEN TREES PRESENT ON THIS SITE.
5. DURING CONSTRUCTION THIS PLAN SHALL MEET THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL.
6. WHISKEY BOTTOM ROAD WATER PUMPING STATION RELOCATION PROJECT IS PART OF THE FUTURE PARCEL "T", A SUBDIVISION OF PARCEL E-1 OF THE REVITZ PROPERTY, FORMERLY UNDER F-02-131. FOREST CONSERVATION ACT (FCA) COMPLIANCE WAS ADDRESSED WHEN THE PARENT TRACT WAS SUBDIVIDED; THEREFORE, NO FURTHER FCA COMPLIANCE IS REQUIRED

**PROPOSED ESD TO THE MEP
PROJECT CLASSIFICATION: NEW DEVELOPMENT**

TARGET ESDv (NEW DEVELOPMENT) = 756 c.f.
IMPERVIOUS AREA TO TREAT = 0.16 AC.±

**ESD TYPES: RAIN GARDEN & GRASS CHANNEL
(M-8)**

PROVIDED ESDv	
ESD #1 (M-7)	VOL = 170 c.f. IMPERVIOUS AREA = 715 s.f.
ESD #2 (M-7)	VOL = 148 c.f. IMPERVIOUS AREA = 1,208 s.f.
ESD #3 (M-8)	VOL = 350 c.f. IMPERVIOUS AREA = 2,500 s.f.
ESD #4 (M-8)	VOL = 410 c.f. IMPERVIOUS AREA = 2,428 s.f.

TOTAL ESDv PROVIDED	
NEW DEVELOPMENT	ESDv = 1,078 c.f. TREATED IMPERVIOUS AREA = 0.16 ac.±

NOTES:

APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN DOES NOT IMPLY APPROVAL OF ASSOCIATED SUBDIVISION OR SITE DEVELOPMENT PLANS OR RED-LINE REVISIONS THEREOF. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR DURING THE SUBDIVISION AND SITE DEVELOPMENT PLAN STAGES AND 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 THE PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

ENVIRONMENTAL SITE DESIGN (ESD) CONCEPT & IMPLEMENTATION SUMMARY

THE ESD'S SHOWN ON THE ENVIRONMENTAL CONCEPT PLAN, AS REQUIRED IN CHAPTER 5 OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) STORMWATER DESIGN MANUAL AND VOLUME 1, CHAPTER 5 OF THE HOWARD COUNTY DESIGN MANUAL, HAVE BEEN DESIGNED TO THE (MEP) MAXIMUM EXTENT PRACTICAL. FOR THIS PROJECT, THE ESD STRATEGIES INCLUDED:

- NATURAL RESOURCE PROTECTION
- MAINTENANCE OF NATURAL FLOW PATTERNS
- INTEGRATION OF EROSION AND SEDIMENT CONTROLS INTO THE STORMWATER MANAGEMENT STRATEGY
- IMPLEMENTATION OF ESD PLANNING AND PRACTICES TO THE MEP

NATURAL RESOURCE PROTECTION

NATURAL RESOURCES ARE PROTECTED BY MINIMIZING THE AMOUNT OF TREE REMOVAL AND WOODS CLEARING TO THE EXTENT PRACTICAL. NEW PLANTING AREAS ARE PROPOSED THAT WILL PROVIDE HABITAT AND GREENERY FOR THE AREA.

MAINTENANCE OF NATURAL FLOW PATTERNS

NATURAL/EXISTING DRAINAGE PATTERNS ARE MAINTAINED TO THE EXTENT PRACTICAL. THE RUNOFF AREAS FROM THIS SITE ARE RELATIVELY SMALL, HOWEVER, CURRENT FLOW PATTERNS WILL REMAIN WITH LITTLE OR NO VARIATION. PROPOSED MICRO-SCALE PRACTICES WILL BE FITTED WITHIN THESE DRAINAGE DIVIDES FOR WATER QUALITY TREATMENT.

INTEGRATION OF EROSION AND SEDIMENT CONTROLS INTO STORMWATER MANAGEMENT STRATEGY

SEDIMENT RUNOFF WILL HAVE MINIMAL IMPACTS TO CONSTRUCTION AND SURROUNDING PROPERTIES. EARTH DISTURBANCES WILL BE MINIMIZED ONLY TO THE LIMITS NECESSARY TO CONSTRUCT THE COMPOUND AND ALL OF ITS APPURTENANCES. CONVEYANCE OF SEDIMENT LADEN RUNOFF WILL BE ACHIEVED BY OVERLAND FLOW AND DIVERSION PRACTICES AS NEEDED. PERIMETER SUPER SILT FENCE AND STONE CHECK DAMS WILL BE IMPLEMENTED TO FURTHER RETAIN OCCURRING SEDIMENT WITHIN THE LIMIT OF DISTURBANCE. SEDIMENT CONTROL PRACTICES WILL BE LOCATED ON THE DOWNSLOPE SIDE OF ESD PRACTICES TO THE MEP.

IMPLEMENTATION OF ESD PLANNING AND PRACTICES TO THE MEP

CERTAIN LIMITATIONS EXIST FOR THE PROPOSED BOOSTER STATION SITE FOR IMPLEMENTATION OF ESD PRACTICES. WITH THE ABSENTS OF AN EXISTING STORM DRAIN SYSTEM, ESD PRACTICES THAT REQUIRE UNDERDRAINS, SUCH AS MICRO-BIORETENTION, BIO-SWALES OR SAND FILTERS ARE DISREGARDED FROM ESD IMPLEMENTATION. ALSO, THE RELATIVELY SMALL SITE ACREAGE (0.45 ACRES) LIMITS THE LOCATION OF ESD PRACTICES. HOWEVER, THE POSSIBILITY EXISTS TO POTENTIALLY PROVIDE A GRASS SWALE OR WET SWALE TREATMENT SYSTEM ALONG THE ACCESS DRIVE, AS WELL AS A RAIN GARDEN OR OTHER SIMILAR MEASURE TO TREAT THE ACCESS DRIVE, TURN AROUND AREA, AND ROOF-TOP RUNOFF.

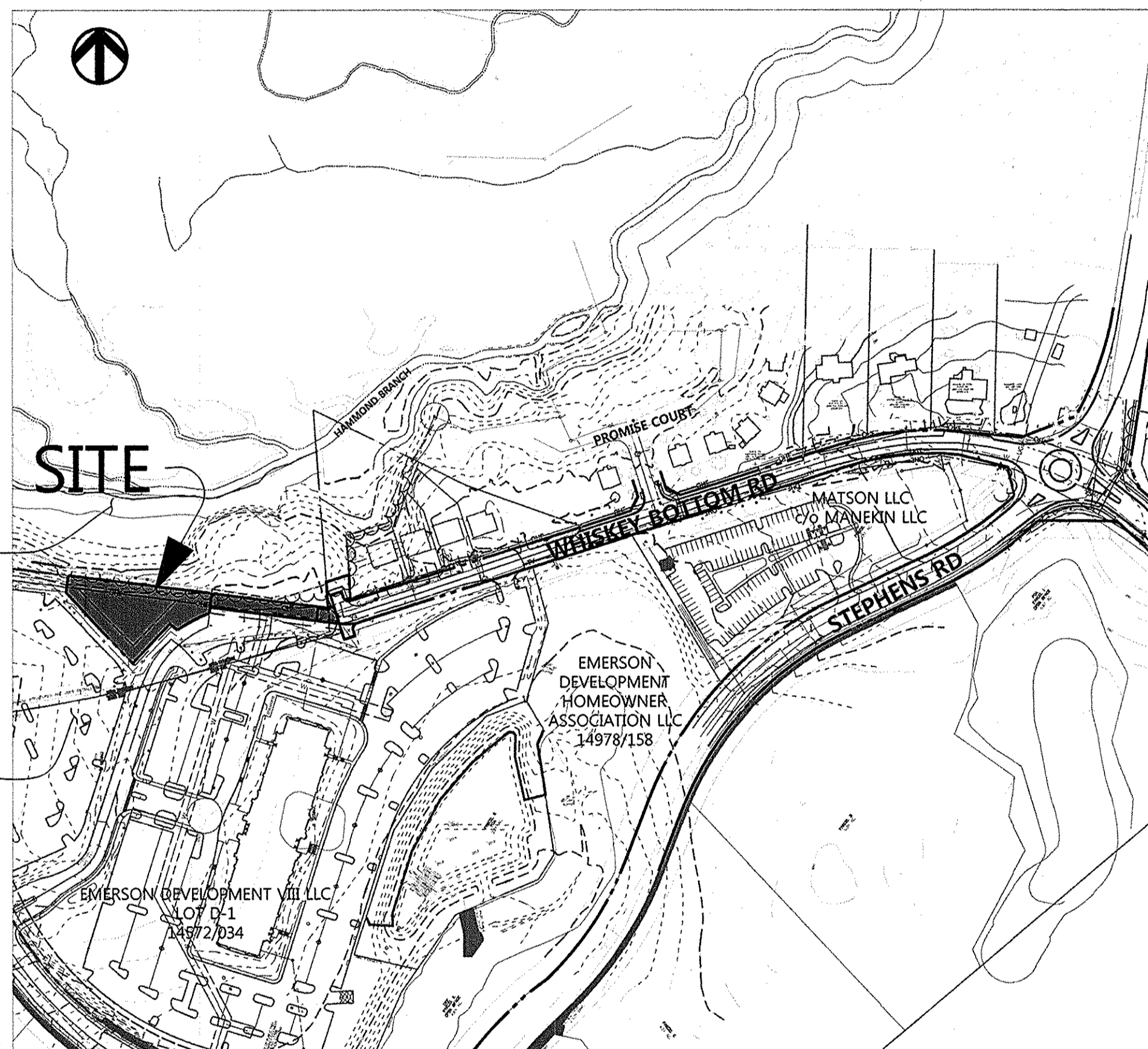
DESIGN MANUAL AND WAIVER PETITIONS

METHODS AND DESIGN STRATEGIES USED IN THE NEW DEVELOPMENT OF THIS SITE CONFORM TO THE REGULATIONS AND GUIDELINES AS SPECIFIED IN VOLUME I, CHAPTER 5 (STORMWATER MANAGEMENT) OF THE HOWARD COUNTY DESIGN MANUAL AS WELL AS BEING IN ACCORDANCE WITH THE STATE OF MARYLAND'S STORMWATER MANAGEMENT ACT OF 2007. A DESIGN MANUAL AND WAIVER PETITION FOR STORMWATER DESIGN WILL NOT BE REQUIRED.

ENVIRONMENTAL CONCEPT PLAN FOR WHISKEY BOTTOM ROAD WATER PUMPING STATION REPLACEMENT HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT NO. W8320 FUTURE PARCEL T ECP-16-024

HOWARD COUNTY

MARYLAND

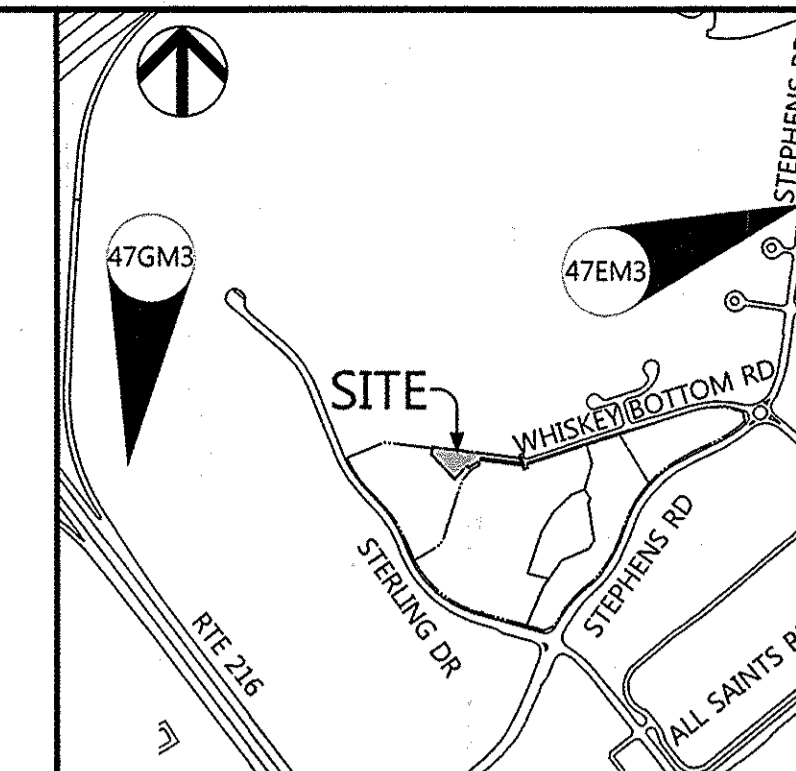


AREA VIEW
SCALE: 1"=200'

LEGEND

---	PROPERTY LINE	---	PROP. BUILDING
---	EX. CONTOURS	---	SILT FENCE
---	EX. EDGE OF ROAD	---	SUPER SILT FENCE
---	EX. BUILDING	---	LIMIT OF DISTURBANCE
---	EX. TREELINE	---	DRAINAGE AREA DIVIDE
---	EX. WATER	---	EROSION CONTROL MATTING
---	EX. SEWER	---	PROP. OUTFALL PROTECTION LEVEL SPREADER
---	EX. STORM DRAIN	---	STABILIZED CONSTRUCTION ENTRANCE
---	EX. EASEMENT	---	
---	PROP. EASEMENT	---	
---	PROP. CONTOURS	---	
---	4" W.	---	PROP. WATER
---	4" S.	---	LOW PRESSURE SEWER
---	EX. 12" D.	---	PROP. STORM DRAIN
---	490	---	
---	488	---	
---	4" W.	---	
---	15" LPS	---	
---	12" SD.	---	
---		---	SOIL BORING

SHEET INDEX	
SHEET	DESCRIPTION
1	COVER SHEET
2	ENVIRONMENTAL CONCEPT PLAN (SITE)
3	ENVIRONMENTAL CONCEPT PLAN (OFFSITE)
4	ESD DRAINAGE AREAS
5	SCHEMATIC LANDSCAPE PLAN



VICINITY MAP

SCALE: 1"=1000'
HOWARD COUNTY ADC MAP
NUMBER 19, GRID NO. J-9

**HOWARD COUNTY
GEODETIC COORDINATES**

BENCH MARK ID: 47GM3	BENCH MARK ID: 47EM3
NORTHING: 531620.07	NORTHING: 532973.07
EASTING: 1352684.71	EASTING: 1356218.71
ELEVATION: 91.734	ELEVATION: 84.447

SEQUENCE OF CONSTRUCTION FOR (SEC)

1. OBTAIN A GRADING PERMIT FOR THE PROPOSED WORK. NOTIFY THE HOWARD COUNTY DEPARTMENT OF PERMITS AND LICENSES (DILP) AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. (2 DAYS)
2. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE (SCE) AND PERIMETER CONTROLS; SUPER SILT FENCE (SSF) AND SILT FENCE (SF). (5 DAYS)
3. AN ONSITE STOCKPILE AREA, IF APPLICABLE, WILL BE LOCATED WITHIN THE LIMIT OF DISTURBANCE WITH THE COORDINATION AND DISCRETION OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR AND THE GENERAL CONTRACTOR. (1 DAY)
4. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, BEGIN MASS GRADING OPERATIONS. PROVIDE POSITIVE DRAINAGE TO ALL SEDIMENT CONTROL DEVICES. (5 DAYS)
5. BRING SITE AND BUILDING PAD TO SUBGRADE. (5 DAYS)
6. INSTALL ONSITE UTILITIES. THE OFFSITE PROPOSED 1.5" LOW PRESSURE SEWER AND 16" SUCTION WATERMAIN - HORIZONTAL DIRECTIONAL DRILLING OPERATIONS WITHIN WHISKEY BOTTOM ROAD CAN BEGIN ANYTIME AFTER SEQUENCE NUMBER 1. (30 TO 45 DAYS)
7. BEGIN CONSTRUCTION OF BUILDING AND ACCESS DRIVE PAVING. (150 DAYS)
8. INSTALL REMAINING INLETS & PIPES. INSTALL SWM-ESD MEASURES. (30 DAYS)
9. FINE GRADE, INSTALL LANDSCAPING AND STABILIZE WITH VEGETATIVE STABILIZATION. (15 DAYS)
10. UPON STABILIZATION OF THE SITE AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE THOSE AREAS DISTURBED BY THIS PRACTICE. (2 DAYS)

STANDARD SEDIMENT CONTROL NOTE

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 CLEARLY MARKED IN THE FIELD. A MINIMUM OF 48 HOUR NOTICE TO CID MUST BE GIVEN AT THE FOLLOWING STAGES:
 - a. PRIOR TO THE START OF EARTH DISTURBANCE
 - b. UPON COMPLETION OF THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - c. PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION OR OPENING OF ANOTHER GRADING UNIT.
 - d. PRIOR TO THE REMOVAL OR MODIFICATION OF SEDIMENT CONTROL PRACTICES.
- OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE. OTHER RELATED STAT AND FEDERAL PERMITS SHALL BE REFERENCED, TO ENSURE COORDINATION AND TO AVOID CONFLICTS WITH THIS PLAN. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, BEGIN MASS GRADING OPERATIONS. PROVIDE POSITIVE DRAINAGE TO ALL SEDIMENT CONTROL DEVICES. (5 DAYS)

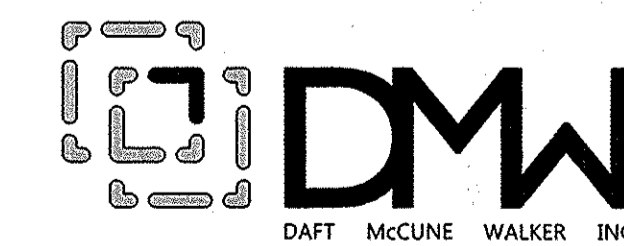
DATA SOURCES:

1. EXISTING TOPOGRAPHIC INFORMATION SHOWN HEREON REFLECTS THE RESULT OF A TOPOGRAPHIC SURVEY PERFORMED BY DMW INC. AND HOWARD COUNTY DIGITAL GIS.

APPROVED:	HOWARD COUNTY DEPT. OF PLANNING & ZONING
<i>[Signature]</i>	1-5-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	12-23-15
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

Date	No.	Revision Description
		Whiskey Bottom Road Water Pumping Station Replacement Capital Project No: W8320

OWNER:
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
9250 BENDIX ROAD
COLUMBIA, MARYLAND 21045
(410) 313-2040



501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

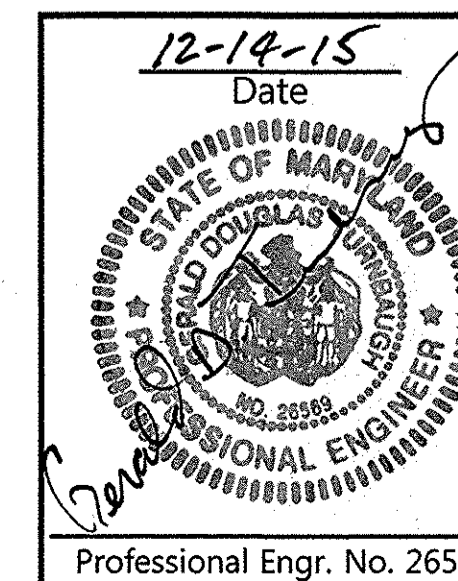
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #
REVITZ PROPERTY	N/A	PART OF PARCEL 'E'
PLAT/BLK/LOT	TAX JURISDICTION	CEMSD BLOCK
15788	47	606907
WATER CODE	SEWER CODE	
C-02	7390000	

COVER SHEET

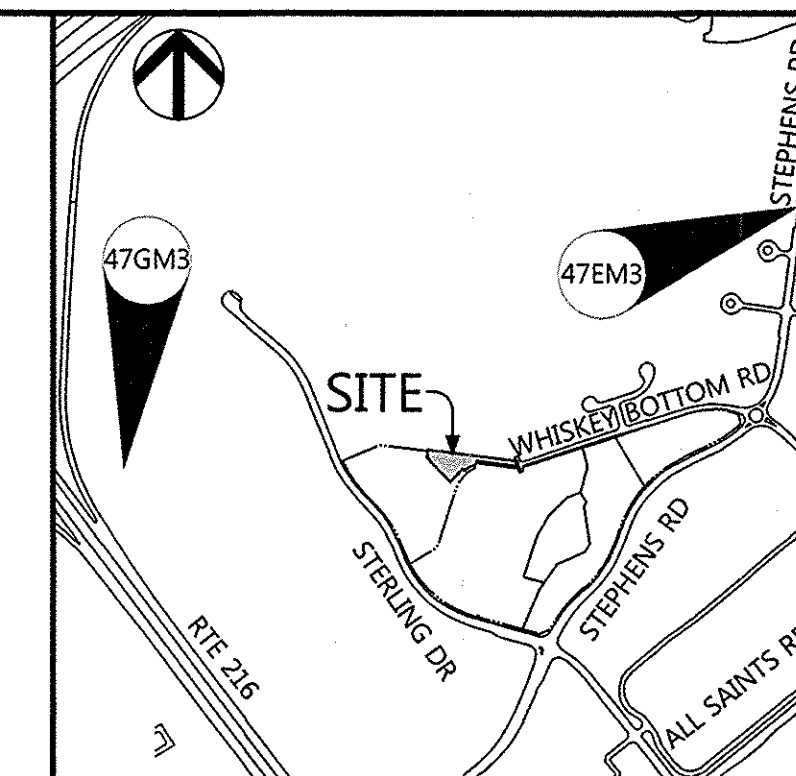
Des. By	GDT	SCALE AS SHOWN	Proj. No. 13037
Drn. By	SRB	Date 12/11/15	
Chk. By	ERS	Approved	1 of 5

PROFESSIONAL CERTIFICATION

I 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. 26569, EXPIRATION DATE: 07-18-17.



FOR CONTINUATION (SEE SHT 3 OF 4)



VICINITY MAP
SCALE: 1"=1000'
HOWARD COUNTY ADC MAP
NUMBER 19, GRID NO. J-9

FOR CONTINUATION (SEE SHT 3 OF 4)

NOTE: LOD OUTSIDE SEDIMENT CONTROLS IS FOR WATER & SEWER UTILITY INSTALLATION.

DATA SOURCES:

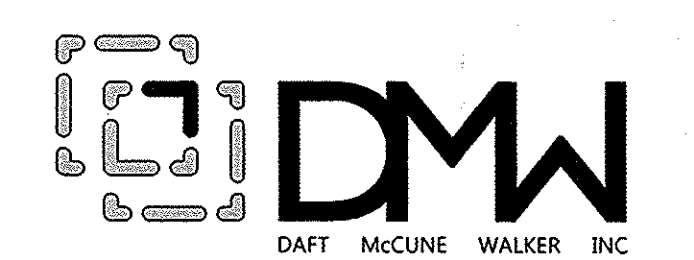
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<i>Ch. [Signature]</i>	1-5-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>West [Signature]</i>	12-23-15
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

Date	No.	Revision Description

Whiskey Bottom Road Water Pumping Station Replacement
Capital Project No: W8320

OWNER:
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
9250 BENDIX ROAD
COLUMBIA, MARYLAND 21045
(410) 313-2040

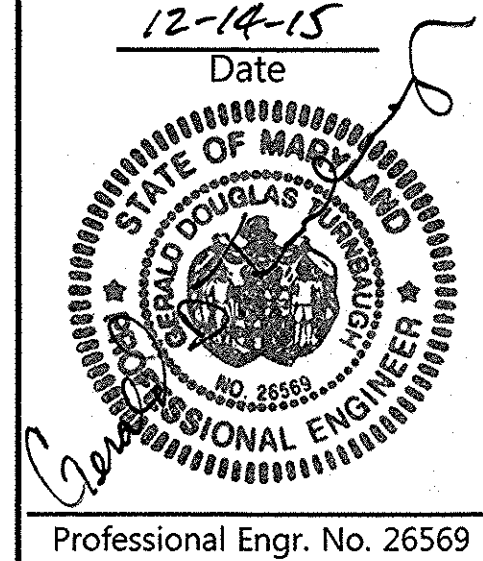


503 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM
SUBDIVISION NAME: REVITZ PROPERTY SECTION/AREA: N/A LOT/PARCEL #: PART OF PARCEL 'E'
PLAT/BOOK OR MAP: 15788 BLOCK/PIECE: 47 TAX JURISDICTION: 6 RELECT. DISTRICT: 6 CENSUS TRACT: 606907
WATER CODE: C-02 SEWER CODE: 7390000

TITLE: ENVIRONMENTAL CONCEPT PLAN

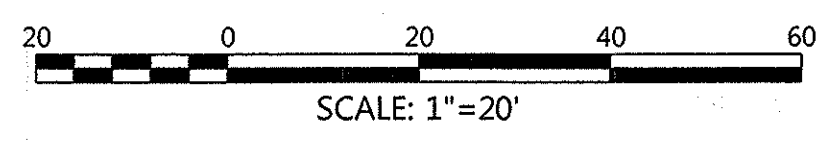
Des. By GDT	SCALE 1"=20'	Proj. No. 13037
Drn. By SRB	Date 12/11/15	
Chk. By ERS	Approved	2 of 5

CONTRACT NUMBERS:
EX. WATER & EX. SEWER:
24-4527-D
24-4024-D
142-W
44-4947



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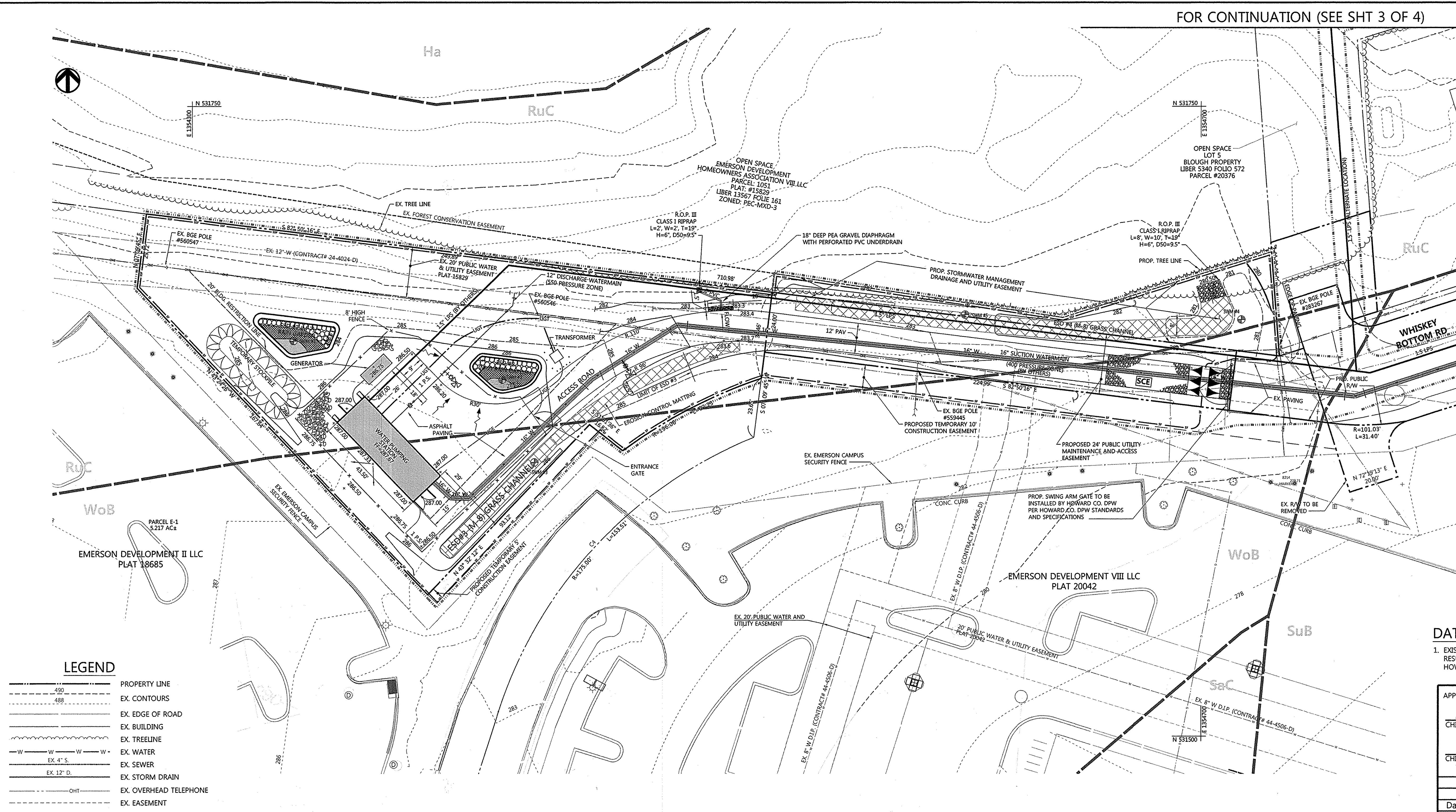


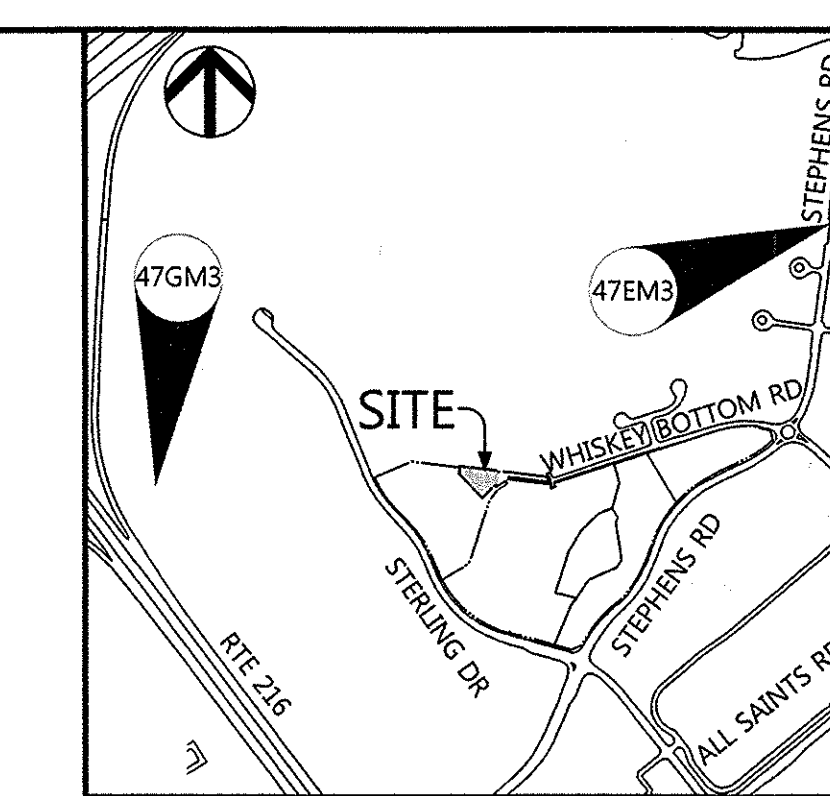
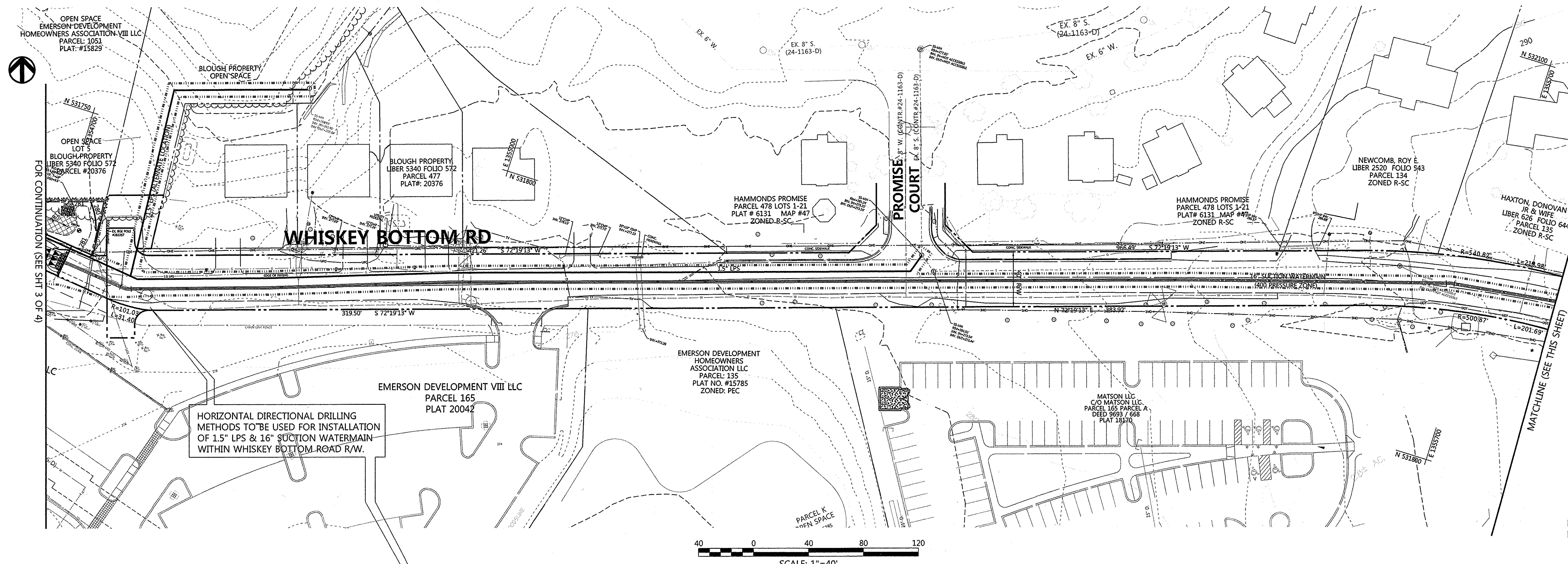
MAP UNIT SYMBOL	MAP UNIT NAME	HYDROLOGIC GROUP	K VALUE (Kw)
RuC	RUSSETT AND BELTSVILLE SOILS, 5 TO 10 PERCENT SLOPES	C	0.24
WoB	WOODSTOWN SANDY LOAM 2 TO 5 PERCENT SLOPES	C	0.24

NOTE: DATA TAKEN FROM HOWARD SCD SOILS MAP 24 OF 29

LEGEND

- 490 --- PROPERTY LINE
- 488 --- EX. CONTOURS
- 490 --- EX. EDGE OF ROAD
- 488 --- EX. BUILDING
- 490 --- EX. TREETLINE
- 488 --- EX. WATER
- 490 --- EX. SEWER
- 488 --- EX. STORM DRAIN
- 490 --- EX. OVERHEAD TELEPHONE
- 488 --- EX. EASEMENT
- 490 --- PROP. EASEMENT
- 488 --- PROP. CONTOURS
- 490 --- PROP. 12" DISCHARGE WATERMAIN
- 488 --- PROP. 16" SUCTION WATERMAIN
- 490 --- PROP. LOW PRESSURE SEWER
- 488 --- PROP. STORM DRAIN
- 490 --- PROP. UNDERGROUND ELECTRIC
- 488 --- PROP. UNDERGROUND TELEPHONE
- 490 --- PROP. BUILDING
- 488 --- PROP. CURB
- 490 --- SILT FENCE
- 488 --- SUPER SILT FENCE
- 490 --- LIMIT OF DISTURBANCE
- 488 --- DRAINAGE AREA DIVIDE
- 490 --- EROSION CONTROL MATTING
- 488 --- PROP. OUTFALL PROTECTION LEVEL SPREADER
- 490 --- STABILIZED CONSTRUCTION ENTRANCE
- 488 --- SOIL BORING
- 490 --- TEMPORARY STOCKPILE

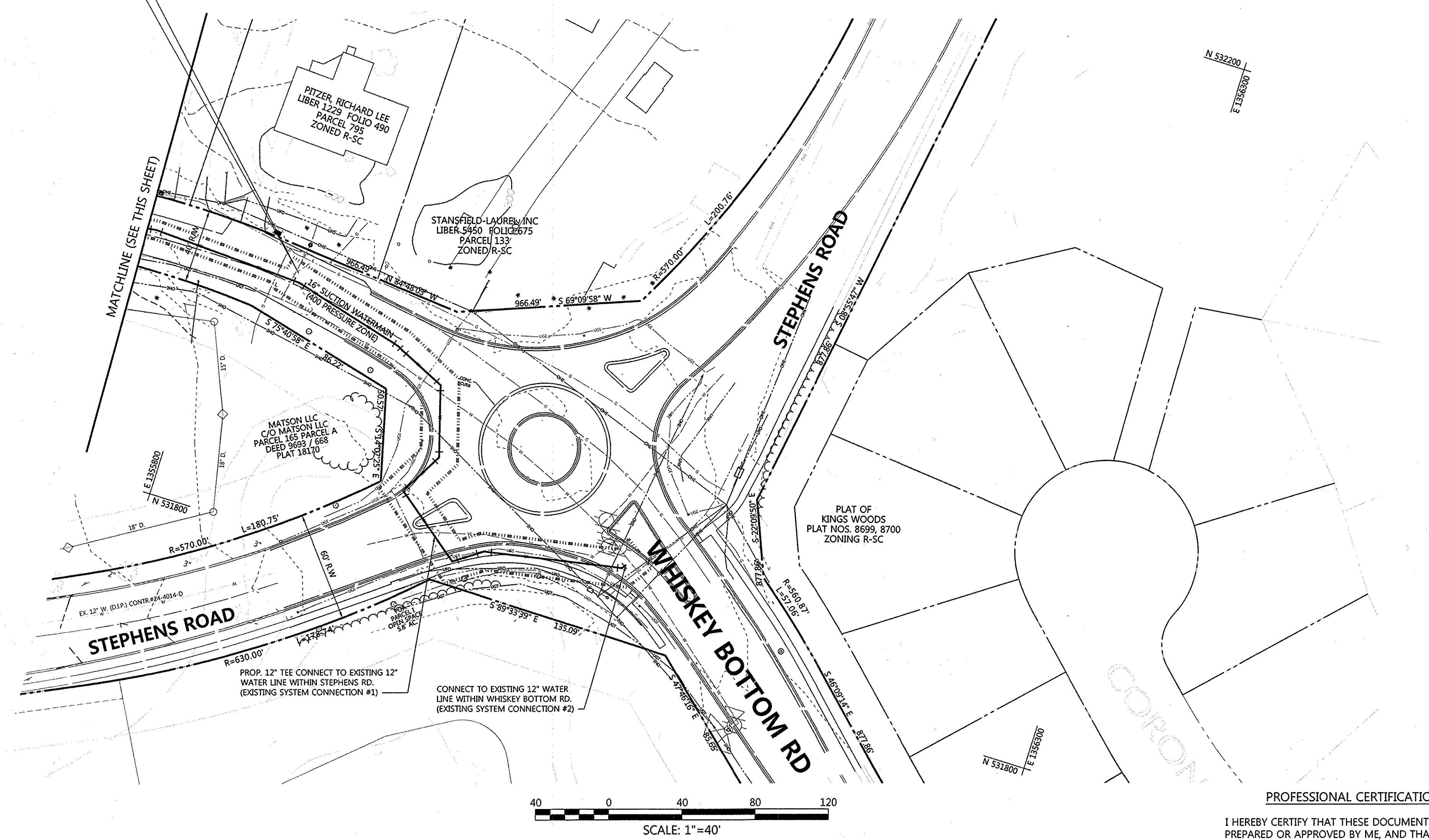




NOTE: LOD OUTSIDE SEDIMENT CONTROLS IS FOR WATER & SEWER UTILITY INSTALLATION.

LEGEND

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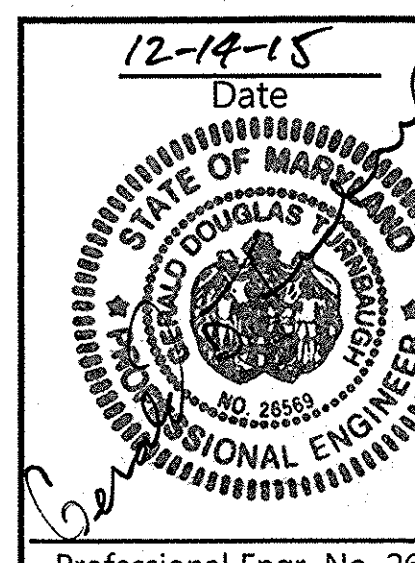
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

<i>[Signature]</i>	1-5-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	12-23-15
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

Date	No.	Revision Description
		Whiskey Bottom Road Water Pumping Station Replacement Capital Project No: W8320
		OWNER: DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 9250 BENDIX ROAD COLUMBIA, MARYLAND 21045 (410) 313-2040



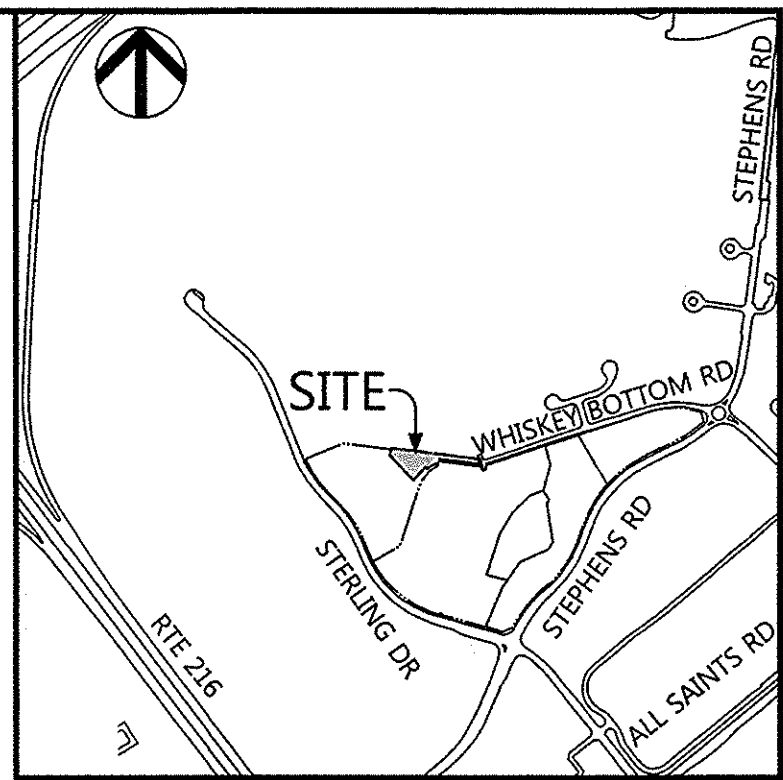
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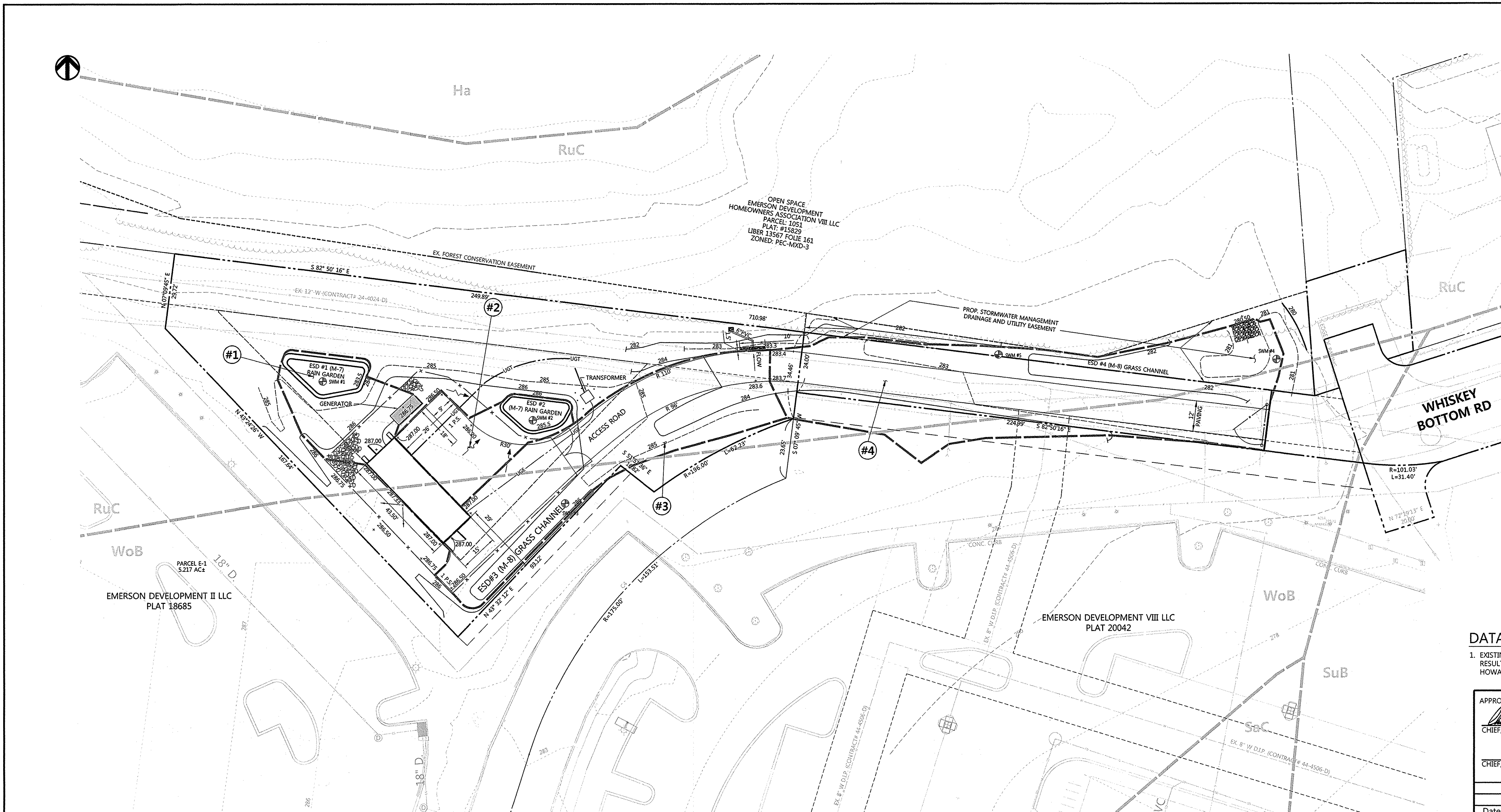
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501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM
SUBDIVISION NAME: REVITZ PROPERTY SECTION/VAREA: N/A LOT/PARCEL #: PART OF PARCEL 'E'
PLAT OR LOT: 15788 BLOCK: 47 TAX ZONING MAP: 6 ELECT. DISTRICT: 6 CENSUS TRACT: 606907
WATER CODE: C-02 SEWER CODE: 7390000
TITLE: ENVIRONMENTAL CONCEPT PLAN
Des. By: GDT SCALE: 1"=40' Proj. No. 13037
Drn. By: SRB Date: 12/11/15
Chk. By: ERS Approved: 3 of 5



VICINITY MAP
SCALE: 1"=1000'
HOWARD COUNTY ADC MAP
NUMBER 19, GRID NO. J-9

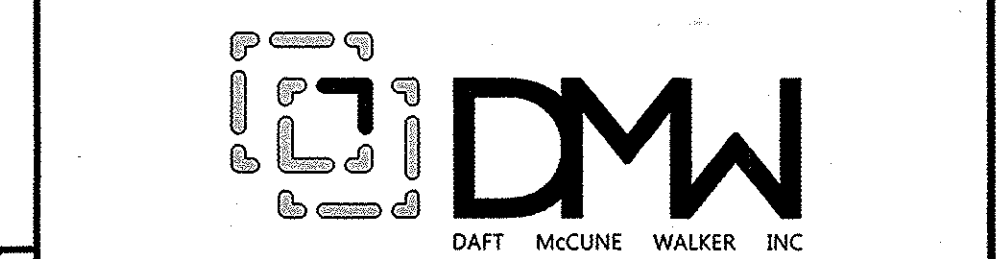


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CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 12-23-15
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Date	No.	Revision Description
		Whiskey Bottom Road Water Pumping Station Replacement Capital Project No: W8320

OWNER:
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
9250 BENDIX ROAD
COLUMBIA, MARYLAND 21045
(410) 313-2040



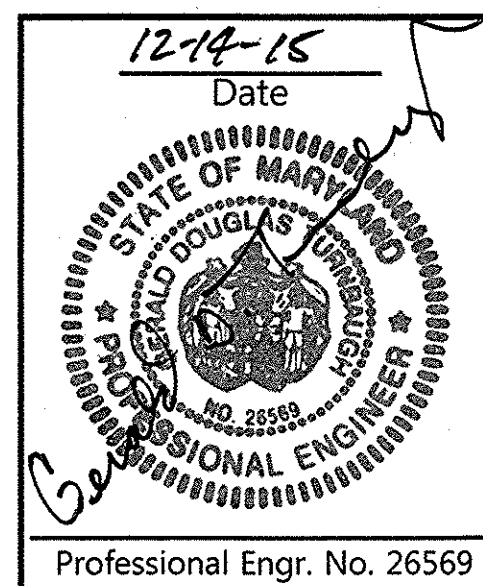
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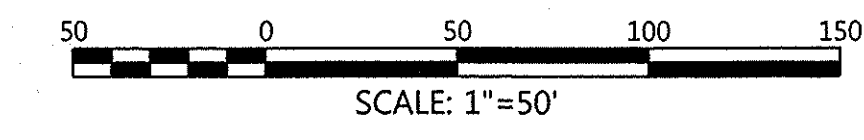
SUBDIVISION NAME	SECTION/VAREA	LOT/PARCEL #
REVITZ PROPERTY	N/A	PART OF PARCEL 'E'
PLAT OR REF.	BLOCK #	TAX ZONE/MAP
15788	47	6
WATER CODE	SEWER CODE	CENSUS TRACT
C-02	7390000	609907

TITLE: DRAINAGE AREA MAP

Des. By	GDT	SCALE	Proj. No.
Drn. By	SRB	Date	12/11/15
Chk. By	ERS	Approved	4 of 5

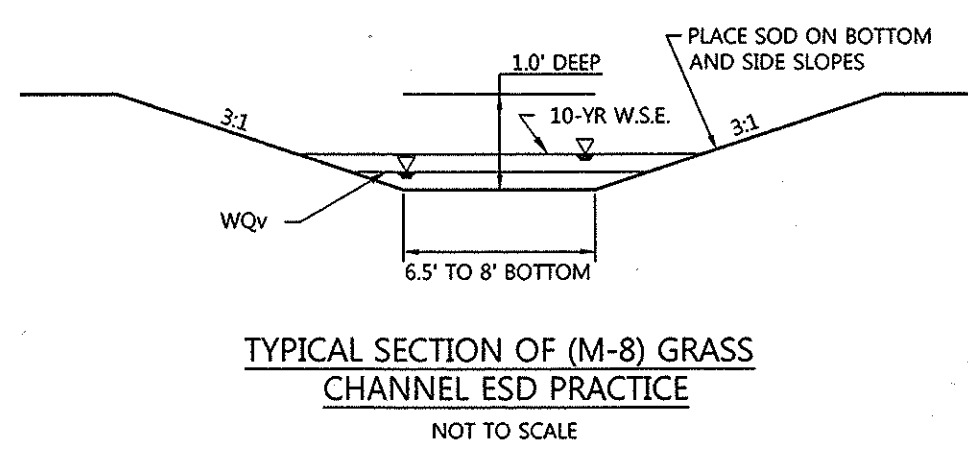
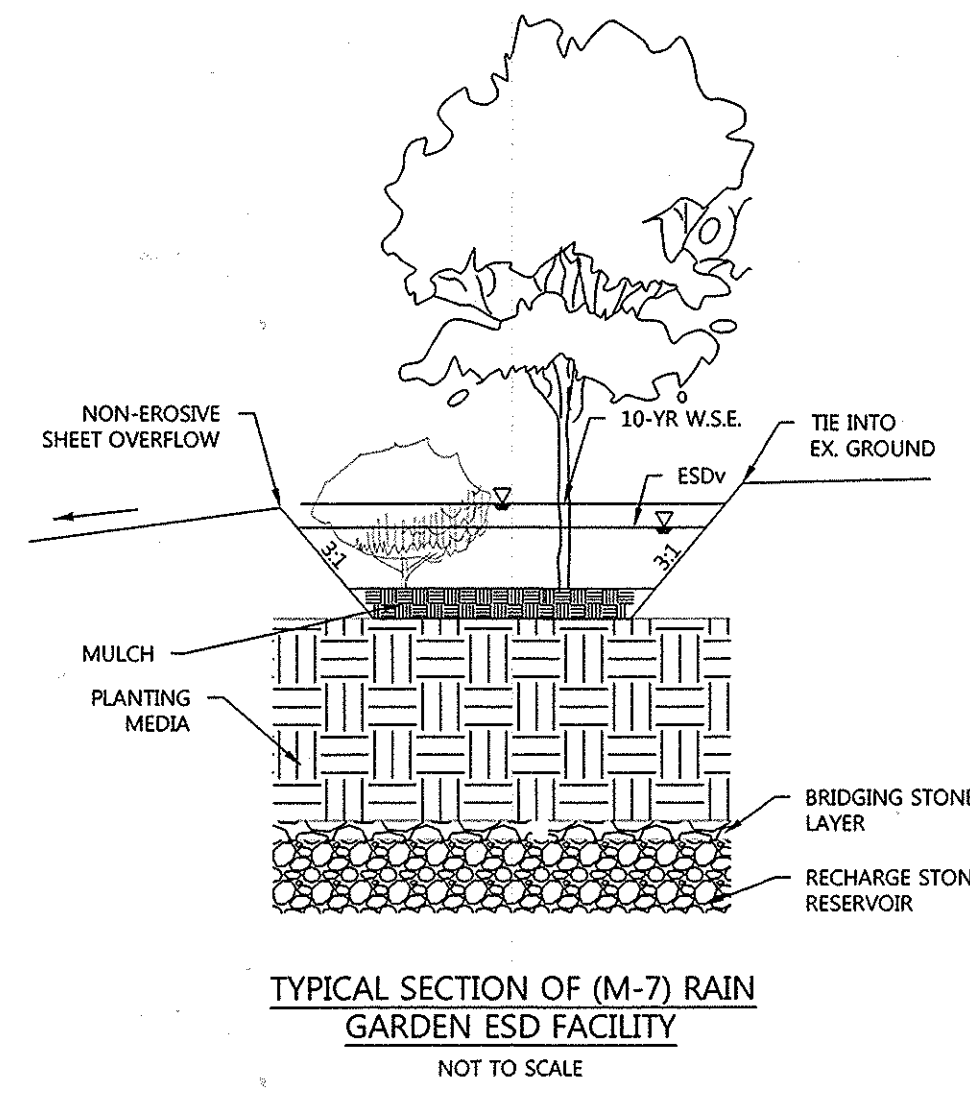


PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 26569, EXPIRATION DATE: 07-18-17.



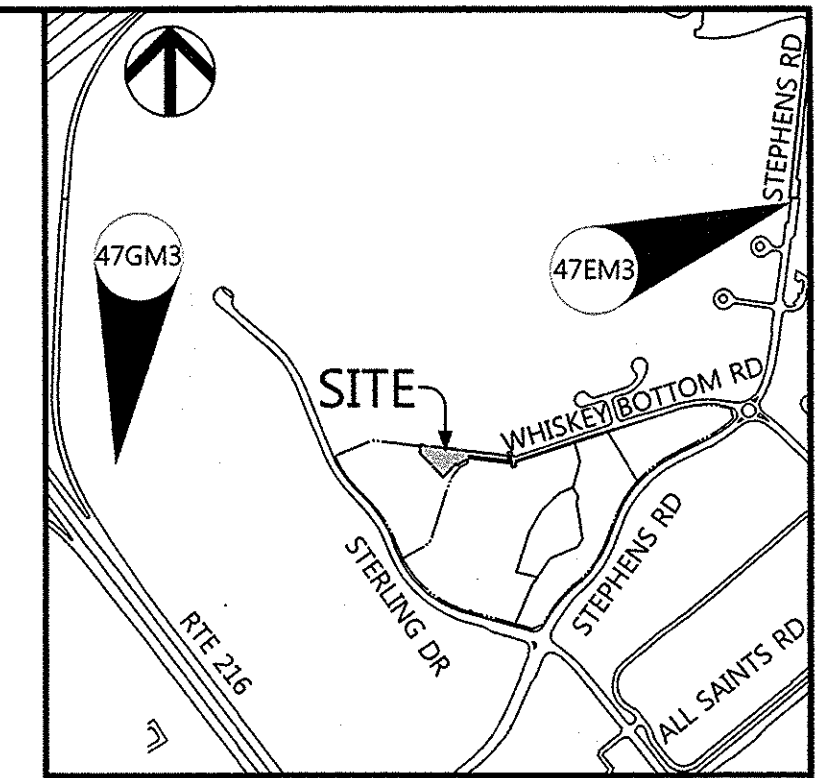
ESD DRAINAGE AREA		
ESD #	TOTAL AREA	IMPERVIOUS AREA
1	1697 s.f.	715 s.f.
2	1577 s.f.	1208 s.f.
3	4667 s.f.	2500 s.f.
4	7400 s.f.	2428 s.f.

- LEGEND**
- EROSION CONTROL MATTING
 - PROP. OUTFALL PROTECTION LEVEL SPREADER
 - STABILIZED CONSTRUCTION ENTRANCE
 - SOIL BORING
 - UNDERGROUND ELECTRIC
 - UNDERGROUND TELEPHONE
 - EX. OVERHEAD TELEPHONE



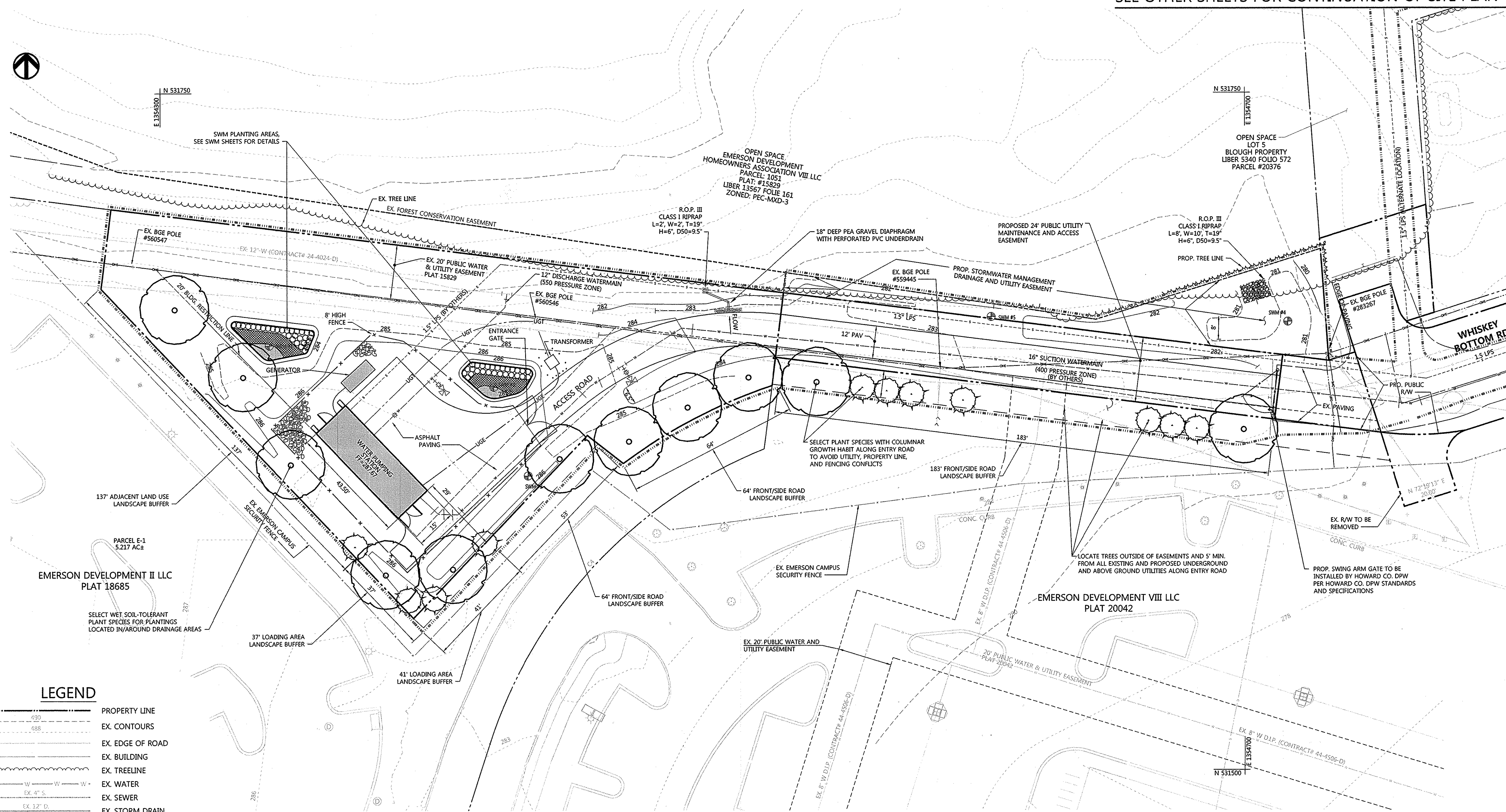
- LEGEND**
- PROPERTY LINE
 - EX. CONTOURS
 - EX. EDGE OF ROAD
 - EX. BUILDING
 - EX. TREE LINE
 - EX. WATER
 - EX. SEWER
 - EX. STORM DRAIN
 - EX. EASEMENT
 - PROP. EASEMENT
 - PROP. CONTOURS
 - PROP. 12" DISCHARGE WATERMAIN
 - PROP. 16" SUCTION WATERMAIN
 - PROP. LOW PRESSURE SEWER
 - PROP. STORM DRAIN
 - PROP. BUILDING
 - PROP. CURB
 - SILT FENCE
 - SUPER SILT FENCE
 - LIMIT OF DISTURBANCE
 - DRAINAGE AREA DIVIDE

SEE OTHER SHEETS FOR CONTINUATION OF SITE PLAN



VICINITY MAP
SCALE: 1"=1000'
HOWARD COUNTY ADC MAP
NUMBER 19, GRID NO. J-9

SEE OTHER SHEETS FOR CONTINUATION OF SITE PLAN



NOTE: LOD OUTSIDE SEDIMENT CONTROLS IS FOR WATER & SEWER UTILITY INSTALLATION.

DATA SOURCES:

- EXISTING TOPOGRAPHIC INFORMATION SHOWN HEREON REFLECTS THE RESULT OF A TOPOGRAPHIC SURVEY PERFORMED BY DMW INC, AND HOWARD COUNTY DIGITAL GIS.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Edward W. Tom 1.5.16
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Vest 12.23.15
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Date	No.	Revision Description
		Whiskey Bottom Road Water Pumping Station Replacement Capital Project No: W8320

OWNER:
 DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 9250 BENDIX ROAD
 COLUMBIA, MARYLAND 21045
 (410) 313-2040



501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

SUBDIVISION NAME	REVITZ PROPERTY	SECTION/AREA	N/A	LOT/PARCEL #	
PLAT OR LOT	15788	BLOCK #	47	PART OF PARCEL #	606907
WATER CODE	C-02	SEWER CODE	7390000		

TITLE: SCHEMATIC LANDSCAPE PLAN

Des. By	GDT	SCALE	1"=20'	Proj. No.	13037
Drn. By	SRB	Date	12/11/15		
Chk. By	ERS	Approved			5 of 5

LEGEND

- PROPERTY LINE
- - - EX. CONTOURS
- - - EX. EDGE OF ROAD
- - - EX. BUILDING
- - - EX. TREELINE
- - - EX. WATER
- - - EX. SEWER
- - - EX. STORM DRAIN
- - - EX. OVERHEAD TELEPHONE
- - - EX. EASEMENT
- - - PROP. EASEMENT
- - - PROP. CONTOURS
- - - PROP. 12" DISCHARGE WATERMAIN
- - - PROP. 16" SUCTION WATERMAIN
- - - PROP. LOW PRESSURE SEWER
- - - PROP. STORM DRAIN
- - - PROP. UNDERGROUND ELECTRIC
- - - PROP. UNDERGROUND TELEPHONE
- - - PROP. BUILDING
- - - PROP. CURB
- - - SILT FENCE
- - - SUPER SILT FENCE
- - - LIMIT OF DISTURBANCE
- - - DRAINAGE AREA DIVIDE
- - - EROSION CONTROL MATTING
- - - PROP. OUTFALL PROTECTION
- - - LEVEL SPREADER
- - - SOIL BORING
- SWM #1
- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE

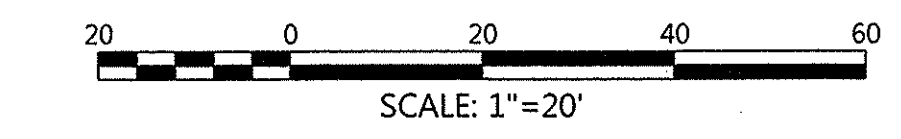
LANDSCAPING REQUIREMENTS

LANDSCAPING TABULATION	LINEAR FEET (LF.)	SHADE TREES REQUIRED	EVERGREEN TREES REQUIRED	PLANTING UNITS (PU.) REQUIRED
FRONT/SIDE ROAD @ 1 SHADE TREE PER 50 LF. AND 1 EVERGREEN TREE PER 40 LF.	247 LF.	5	6.25	8.13 PU.
ADJACENT LAND USE @ 1 SHADE TREE PER 60 LF.	190 LF.	3.2	0	3.2 PU.
LOADING/STORAGE @ 1 SHADE TREE PER 40 LF. AND 1 EVERGREEN PER 20 LF.	78 LF.	2	4	4 PU.
TOTAL REQUIRED		10.2	10.25	15.35 PU.

LANDSCAPING PROVIDED

LANDSCAPING TABULATION	SHADE TREES PROVIDED	EVERGREEN TREES PROVIDED	PLANTING UNITS (PU.) PROVIDED
FRONT/SIDE ROAD @ 1 SHADE TREE PER 50 LF. AND 1 EVERGREEN TREE PER 40 LF.	5	7	8.5 PU.
ADJACENT LAND USE @ 1 SHADE TREE PER 60 LF.	4	0	4 PU.
LOADING/STORAGE @ 1 SHADE TREE PER 40 LF. AND 1 EVERGREEN PER 20 LF.	2	4	4 PU.
TOTAL PROVIDED	11	11	16.5 PU.

- LANDSCAPING NOTES:**
- VERIFY LOCATIONS OF ALL EXISTING AND PROPOSED UTILITIES, STRUCTURES, AND FENCING PRIOR TO PLANTING.
 - FIELD-LOCATE TREES 5' MINIMUM FROM PROPOSED FENCING AND 5' MINIMUM FROM EXISTING AND PROPOSED ABOVE AND BELOW GROUND UTILITIES.
 - PLANT SPECIES AND TYPE SHALL BE SELECTED/SUBSTITUTED PER COUNTY STANDARDS BASED ON SECURITY AND SAFETY REQUIREMENTS OF ADJACENT PROPERTIES AND COUNTY REVIEW COMMITTEES.



Schematic Landscape Plan Certification Form

This Schematic Landscape Plan is sealed by a landscape architect and certified by my signature below as being in accordance with all county agency landscape architectural comments.

Edward W. Tom 12.11.15 EDWARD W. TOM
 Applicant Signature Date Print Name

Mailing Address (if not already on plan)

