

PG 326-07 Chalk Point Scrubbers
Site Plan

S1829-6675

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

November 16, 2009

Kim Finch
Environmental Planning Section
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

**Re: Chalk Point Generating Station
Proposed Pump with Foundation
CP 90016/04**

Dear Ms. Finch:

Thank you for submitting revised information regarding the above-referenced project. The applicant is proposing to construct an above ground/below ground wastewater line that is associated with air quality control upgrades for the site. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only, with some impacts proposed to the 100-foot Buffer. It is our understanding that all Buffer impacts will be over an existing railroad area, and that all new impervious surface related to this project will be located outside the Buffer.

Based on the information provided, we have no additional comments on this plan.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3483.

Sincerely,

A handwritten signature in black ink that reads "Nick Kelly".

Nick Kelly

Natural Resource Planner

cc: Theresa Dent, MNCPPC
PG 326-07

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Sercy
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

October 20, 2009

Kim Finch
Environmental Planning Section
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

**Re: Chalk Point Generating Station
Proposed Pump with Foundation
CP 90016/04**

Dear Ms. Finch:

Thank you for submitting information regarding the above-referenced project. The applicant is proposing to construct an above-ground wastewater line and a 256 square foot pump station that is associated with air quality control upgrades for the site. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only, with some impacts proposed to the 100-foot Buffer. It is our understanding that all Buffer impacts will be over an existing railroad area, and that all new impervious surface related to this project will be located outside the Buffer.

Based on the information provided, we have the following comments:

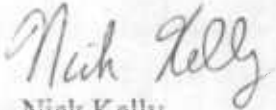
1. Due to the increase in lot coverage within the IDO (3.58 acres), 10% Phosphorus reduction is required. Based on a rough estimate of the existing and proposed impervious surface onsite, a total of 21.04 pounds per year of removal is required. Please have the applicant submit 10% phosphorus worksheets for review by this office.
2. It appears that the 100-foot Buffer has not been properly delineated, particularly around the area of Swanson Creek. As a result, it appears that additional areas of disturbance may be located within the Buffer. Please have the applicant provide a revised site plan showing an accurate delineation of the Buffer.



3. Mitigation for any disturbance within the 100-foot Buffer that is not located over the existing railroad tracks must be provided at a 3:1 ratio. Please have the applicant provide information on the total amount of proposed Buffer disturbance.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3483.

Sincerely,



Nick Kelly

Natural Resource Planner

cc: Doug Musser, Ben Dyer Associates, Inc.
Theresa Dent, MNCPPC
PG 326-07

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

March 31, 2009

Theresa Dent
Environmental Planning Section
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

**Re: Chalk Point Generating Station
Addition of Structure Associated with Flue Gas Desulfurization (FGD)
10% Phosphorus Reduction Worksheets**

Dear Ms. Dent:

We are in receipt of revised 10% Phosphorus reduction calculations for the above-referenced project. The applicant is seeking to add structures associated with the Flue Gas Desulfurization Project, which is being conducted as part of air quality control upgrades. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only, with some impacts proposed to the 100-foot Buffer. It is our understanding that all Buffer impacts will be over an existing railroad area, and that all new impervious surface related to this project will be located outside the Buffer.

Based on the information provided, no additional review from this office is required.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3483.

Sincerely,

A handwritten signature in cursive script that reads "Nick Kelly".

Nick Kelly
Natural Resource Planner

cc: Mike Petrakis, Ben Dyer Associates, Inc.
Peter Swinick, Golder Associates, Inc.
PG 326-07



Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

February 27, 2009

Theresa Dent
Environmental Planning Section
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

**Re: Chalk Point Generating Station
Addition of Structure Associated with Flue Gas Desulfurization (FGD)
10% Phosphorus Reduction Worksheets**

Dear Ms. Dent:

We are in receipt of revised 10% Phosphorus reduction calculations for the above-referenced project. The applicant is seeking to add structures associated with the Flue Gas Desulfurization Project, which is being conducted as part of air quality control upgrades. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only, with some impacts proposed to the 100-foot Buffer. It is our understanding that all Buffer impacts will be over an existing railroad area, and that all new impervious surface related to this project will be located outside the Buffer.

Based upon our review of the revised 10% worksheets, it appears that the applicant is meeting its requirement for phosphorus reduction onsite the use of grass channels. However, the total grass channel credit should be 7.77 acres, not 14.36 acres. Despite this discrepancy, the applicant still meets the 10% requirement with this change. We have attached copies of our worksheets for verification. We request that the applicant submit revised copies of the 10% calculations to this office to be placed in our records. No addition review from this office is required.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3483.

Sincerely,

A handwritten signature in cursive script that reads "Nick Kelly".

Nick Kelly
Natural Resource Planner

cc: Mike Petrakis, Ben Dyer Associates, Inc.
Peter Swinick, Golder Associates, Inc.
PG 326-07
enclosure

TTY for the Deaf

Annapolis: (410) 974-2609 D.C. Metro: (301) 586-0450

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

December 15, 2008

Theresa Dent
Environmental Planning Section
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

**Re: Chalk Point Generating Station
Addition of Structure Associated with Flue Gas Desulfurization (FGD)**

Dear Ms. Dent:

Thank you for submitting the above referenced site plan for review and comment. The applicant is seeking to add structures associated with the Flue Gas Desulfurization Project, which is being conducted as part of air quality control upgrades. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only, with some impacts proposed to the 100-foot Buffer. It is our understanding that all Buffer impacts will be over an existing railroad area, and that all new impervious surface related to this project will be located outside the Buffer.

Based upon our review of the plan, this office has determined that the project does not require a zoning variance pursuant to the Prince George's County Critical Area Program. Therefore, the applicant shall submit the Project to the County for review and approval pursuant to the County Program, as stated in Note 3 of the of the Memorandum of Understanding between the Critical Area Commission, Prince George's County, and the Potomac Electric Power Company (PEPCO).

In addition, we have the following comment:

- This project was first reviewed by Kate Schmidt in July, 2007, in which 10% phosphorus removal calculations were provided for an increase in impervious surface from 33.59 acres to 36.60 acres. Grass swales were provided as a Best Management Practice for the site, providing 17.52 pounds per year of phosphorus removal, which exceeded the removal requirement of 15.38 pounds per year. In reviewing the newly submitted plans, it appears that impervious surface will now increase from 33.59 acres to 42.13 acres, which will result in a pollutant removal requirement of 27.81 pounds per year. Therefore, the applicant is required to remove an additional 10.29 pounds of phosphorus per year. Please have the applicant submitted revised 10% worksheets to this office for review to ensure that the removal requirement is met.



Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3483.

Sincerely,

A handwritten signature in cursive script that reads "Nick Kelly".

Nick Kelly
Natural Resource Planner
cc: PG 326-07

Martin O'Malley
Governor

Anthony G. Brown
Lt. Governor



Margaret G. McHale
Chair

Ren Serey
Executive Director

STATE OF MARYLAND
CRITICAL AREA COMMISSION
CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401
(410) 260-3460 Fax: (410) 974-5338
www.dnr.state.md.us/criticalarea/

July 25, 2007

Ms. Kim Finch
M-NCPPC – Planning Department
Countywide Planning Division
County Administration Building
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20772

Re: Chalk Point Generating Station
Installation of FGD Structures

Dear Ms. Finch:

Thank you for submitting the above referenced site plan for review and comment. The applicant is seeking to install equipment at Chalk Point Station as part of the air quality control system upgrades. Chalk Point Generating Station lies partly within the Critical Area, of which 345 acres are designated as Resource Conservation Overlay (RCO) and 130 acres are designated as Intensely Developed Overlay (IDO). The proposed activity will occur within the boundaries of the IDO portion only. Based on the information provided I have the following comments:

1. It appears that the limit of disturbance will approach the 100-foot Buffer in some areas but it will not disturb the 100-foot Buffer. I recommend the applicant flag the 100-foot Buffer in those areas to ensure the limit of disturbance does not impact the Buffer.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at (410) 260-3475.

Sincerely,

A handwritten signature in cursive script that reads "Kate Schmidt".

Kate Schmidt
Natural Resource Planner

PG326-07

11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MD 20721

392-365
TELEPHONE: 301-430-2000

FAX: 301-430-2001

E-MAIL: bendyer@bendyer.com



BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners

January 27, 2009
J-B01701-5295
WO-93432

Nick Kelly
State of Maryland
Critical Area Commission
Chesapeake and Atlantic Coastal Bays
1804 West Street, Suite 100
Annapolis, Maryland 21401

Re: Chalk Point Generating Plant
CBCA Conservation Plan (94006)

Dear Mr. Kelly:

We are in receipt of your comments addressed to Theresa Dent of Maryland-National Capital Parks and Planning Commission, Environmental Planning Section, regarding the Chalk Point Generating Station Flue Gas Desulfurization (FGD) project. Per your determination based on a review of the Memorandum of Understanding between the Critical Area Commission, Prince George's County and the Potomac Electric Company (Pepco), the project is being submitted concurrently directly to Prince George's County for review and approval pursuant to the Prince George's County Critical Area program. Please find enclosed for your review as requested, revised 10% phosphorus removal worksheets. It should be noted that the layout associated with FGD project has been further refined resulting in an increase of impervious surfaces from 33.59 acres to 37.17 acres. This results in a pollution removal requirement of 10.65 pounds per year.

Please find attached one set of the revised Chesapeake Bay Critical Area Plan (BDAI Dwg. No.'s 54.001 thru 54.013-Y) and a copy of the 10% phosphorus removal worksheet. If you have any questions, feel free to contact me at the above number or via email at mpetrakis@bendyer.com.

Sincerely,
Ben Dyer Associates, Inc.



Michael A. Petrakis
Environmental Planner

Enclosures

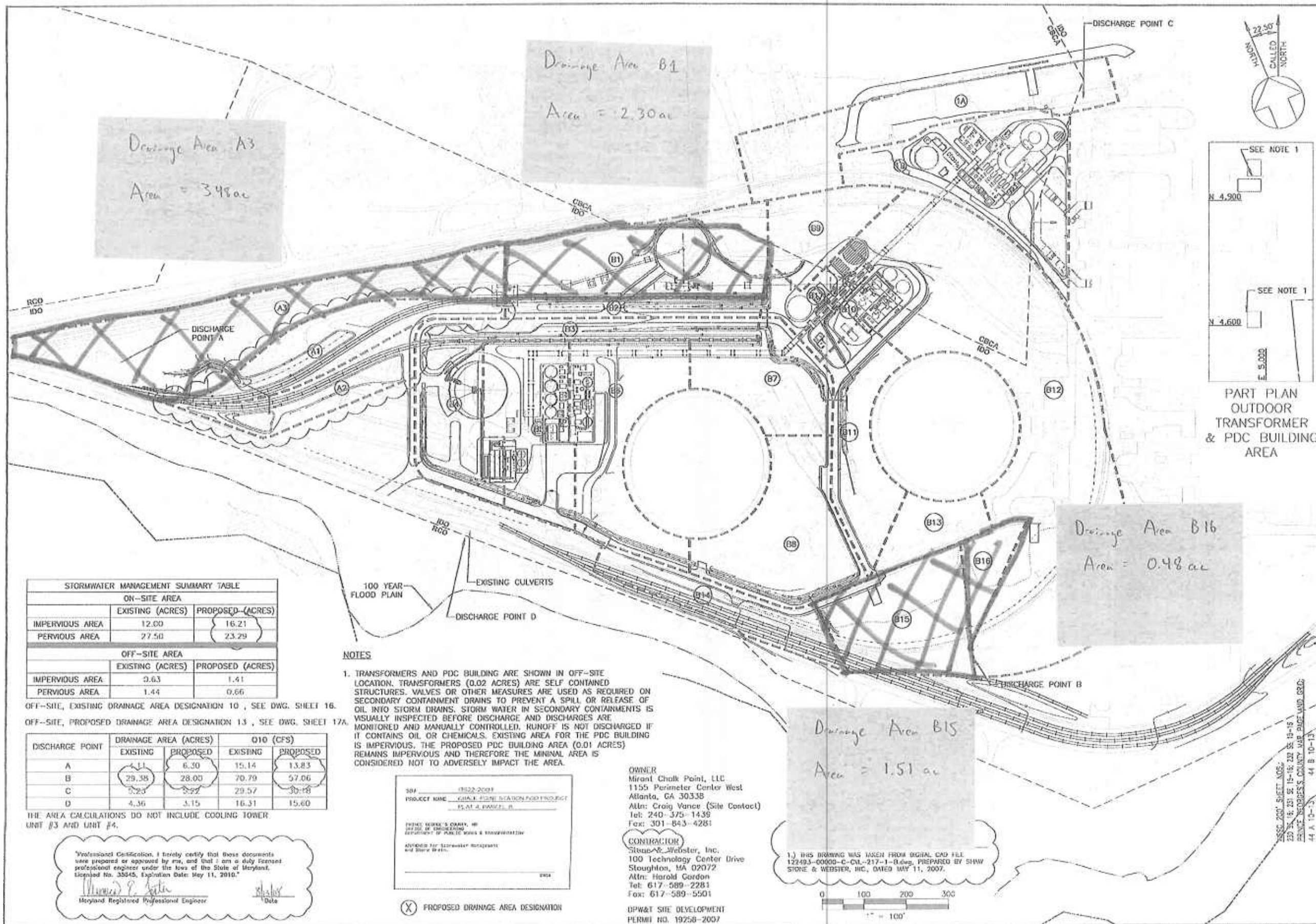
cc: Veronica Foster
Charles Ballod
Pete Swinick

PM:BMC
2-Kelly.01.26.09.Chalk.Point.MP.lal

RECEIVED

JAN 28 2009

CRITICAL AREA COMMISSION



Drainage Area A3
Area = 3.48 ac

Drainage Area B1
Area = 2.30 ac

Drainage Area B16
Area = 0.48 ac

Drainage Area B15
Area = 1.51 ac

STORMWATER MANAGEMENT SUMMARY TABLE		
ON-SITE AREA		
	EXISTING (ACRES)	PROPOSED (ACRES)
IMPERVIOUS AREA	12.00	16.21
PERVIOUS AREA	27.50	23.29
OFF-SITE AREA		
	EXISTING (ACRES)	PROPOSED (ACRES)
IMPERVIOUS AREA	0.63	1.41
PERVIOUS AREA	1.44	0.66

OFF-SITE, EXISTING DRAINAGE AREA DESIGNATION 10, SEE DWG. SHEET 16.
OFF-SITE, PROPOSED DRAINAGE AREA DESIGNATION 13, SEE DWG. SHEET 17A.

DISCHARGE POINT	DRAINAGE AREA (ACRES)		O10 (CFS)	
	EXISTING	PROPOSED	EXISTING	PROPOSED
A	11	6.30	15.14	13.83
B	29.38	28.00	70.79	57.06
C	0.23	0.22	29.57	30.19
D	4.36	3.15	16.31	15.60

THE AREA CALCULATIONS DO NOT INCLUDE COOLING TOWER UNIT #3 AND UNIT #4.

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. 35545, Expiration Date: May 11, 2010.
Michael S. Geyer
Maryland Registered Professional Engineer

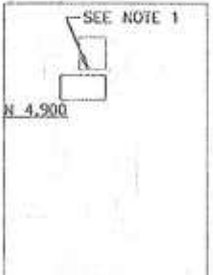
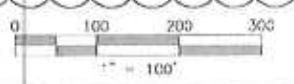
NOTES
1. TRANSFORMERS AND PDC BUILDING ARE SHOWN IN OFF-SITE LOCATION. TRANSFORMERS (0.02 ACRES) ARE SELF CONTAINED STRUCTURES. VALVES OR OTHER MEASURES ARE USED AS REQUIRED ON SECONDARY CONTAINMENT DRAINS TO PREVENT A SPILL OR RELEASE OF OIL INTO STORM DRAINS. STORM WATER IN SECONDARY CONTAINMENTS IS VISUALLY INSPECTED BEFORE DISCHARGE AND DISCHARGES ARE MONITORED AND MANUALLY CONTROLLED. RUNOFF IS NOT DISCHARGED IF IT CONTAINS OIL OR CHEMICALS. EXISTING AREA FOR THE PDC BUILDING IS IMPERVIOUS. THE PROPOSED PDC BUILDING AREA (0.01 ACRES) REMAINS IMPERVIOUS AND THEREFORE THE MINIMAL AREA IS CONSIDERED NOT TO ADVERSELY IMPACT THE AREA.

SDP: 11/22/2007
PROJECT NAME: CHALK POINT STATION P&ID PROJECT
DATE: 11/21/07
DESIGNED BY: M.S.G.
CHECKED BY: M.S.G.
APPROVED BY: M.S.G.
DIVISION: Stormwater Management and Drainage

OWNER
Mirant Chalk Point, LLC
1155 Perimeter Center West
Atlanta, GA 30338
Attn: Craig Vance (Site Contact)
Tel: 240-375-1438
Fax: 301-843-4281

CONTRACTOR
Stone & Webster, Inc.
100 Technology Center Drive
Stoughton, MA 02072
Attn: Harold Gordon
Tel: 617-589-2281
Fax: 617-589-5501

1.) THIS DRAWING WAS TAKEN FROM DIGITAL CAD FILE 122493-00000-C-CV-217-1-B.dwg, PREPARED BY SHW STONE & WEBSTER, INC., DATED MAY 11, 2007.



PART PLAN
OUTDOOR
TRANSFORMER
& PDC BUILDING
AREA

REVISIONS

NO.	DESCRIPTION	DATE
1	UPDATE TRACK AND OUPSUM AREA LAYOUT	10/17/07
2		
3		

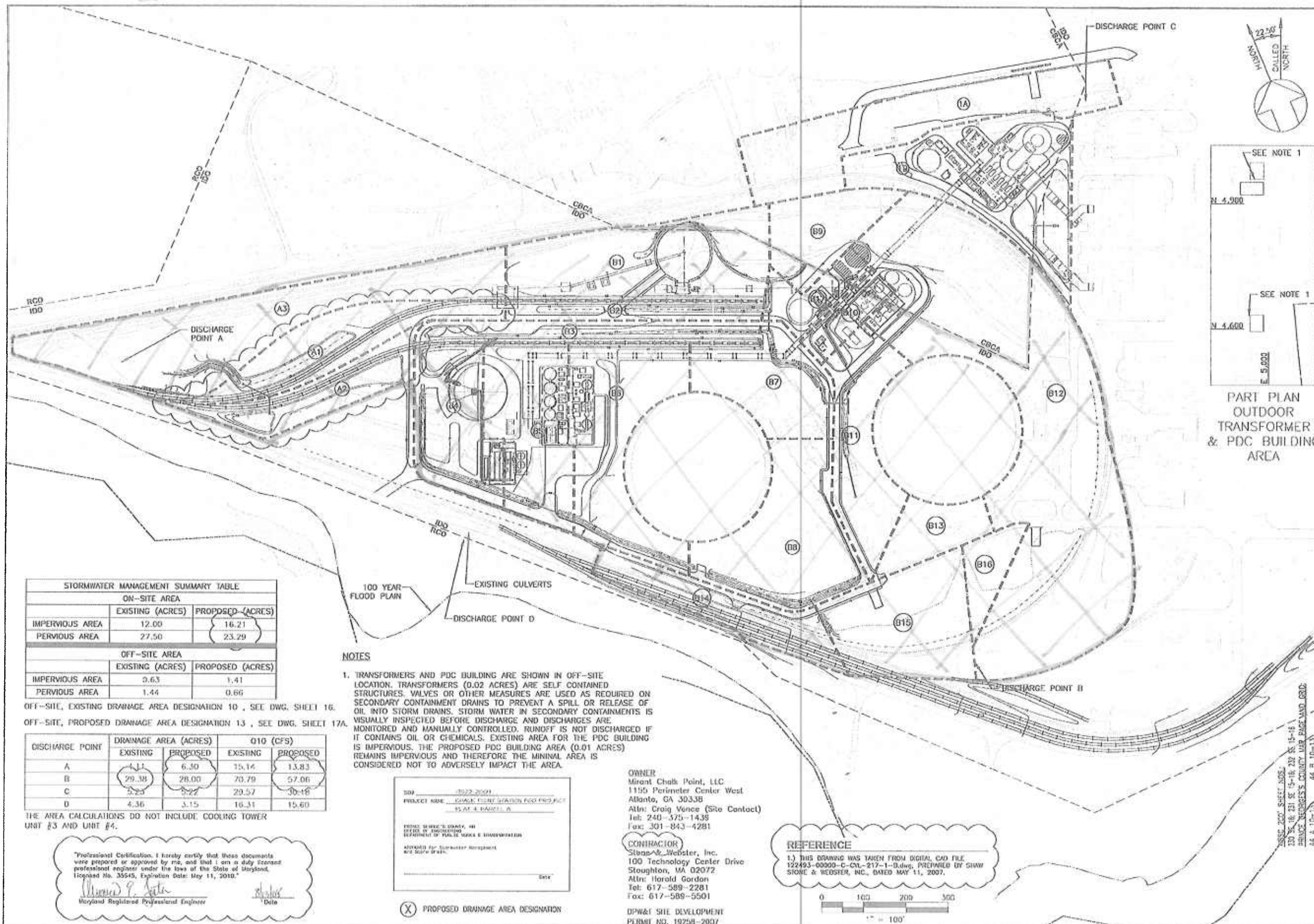
MIRANT MID-ATLANTIC, LLC
1155 PERIMETER CENTER WEST
ATLANTA, GA 30338
DRAWING NO. 122493-00000-C-CV-217-1-C

STATE OF MARYLAND PROFESSIONAL ENGINEER
MICHAEL S. GEYER
LICENSE NO. 35545

CHALK POINT STATION
TAX MAP 18, GRID C4, PARCEL 8
8TH ELECTION DISTRICT
AIR QUALITY CONTROL SYSTEMS
PROPOSED STORM DRAINS
AND DRAINAGE AREA PLAN

17A
17A of 17A

Area Divided in CBA to Graded Channels = 36.49 ac



STORMWATER MANAGEMENT SUMMARY TABLE		
ON-SITE AREA		
	EXISTING (ACRES)	PROPOSED (ACRES)
IMPERVIOUS AREA	12.00	16.21
PERVIOUS AREA	27.50	23.29
OFF-SITE AREA		
	EXISTING (ACRES)	PROPOSED (ACRES)
IMPERVIOUS AREA	0.63	1.41
PERVIOUS AREA	1.44	0.66

OFF-SITE, EXISTING DRAINAGE AREA DESIGNATION 10, SEE DWG. SHEET 16.
 OFF-SITE, PROPOSED DRAINAGE AREA DESIGNATION 13, SEE DWG. SHEET 17A.

DISCHARGE POINT	DRAINAGE AREA (ACRES)		Q10 (CFS)	
	EXISTING	PROPOSED	EXISTING	PROPOSED
A	1.11	6.30	15.14	13.83
B	29.38	28.00	70.79	57.06
C	5.23	5.72	29.57	30.18
D	4.36	3.15	16.31	15.60

THE AREA CALCULATIONS DO NOT INCLUDE COOLING TOWER UNIT #3 AND UNIT #4.

"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. 35545, Expiration Date: May 11, 2010."
 [Signature] Date

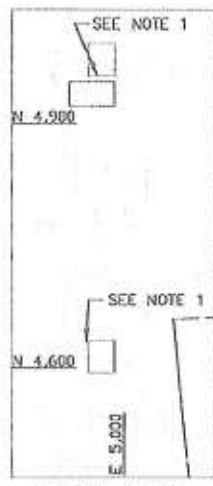
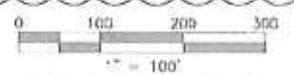
NOTES
 1. TRANSFORMERS AND PDC BUILDING ARE SHOWN IN OFF-SITE LOCATION. TRANSFORMERS (0.02 ACRES) ARE SELF CONTAINED STRUCTURES. VALVES OR OTHER MEASURES ARE USED AS REQUIRED ON SECONDARY CONTAINMENT DRAINS TO PREVENT A SPILL OR RELEASE OF OIL INTO STORM DRAINS. STORM WATER IN SECONDARY CONTAINMENTS IS VISUALLY INSPECTED BEFORE DISCHARGE AND DISCHARGES ARE MONITORED AND MANUALLY CONTROLLED. RUNOFF IS NOT DISCHARGED IF IT CONTAINS OIL OR CHEMICALS. EXISTING AREA FOR THE PDC BUILDING IS IMPERVIOUS. THE PROPOSED PDC BUILDING AREA (0.01 ACRES) REMAINS IMPERVIOUS AND THEREFORE THE MINIMAL AREA IS CONSIDERED NOT TO ADVERSELY IMPACT THE AREA.

3022-20023
 PROJECT NAME: CHALK POINT STATION PDC PROJECT
 15 AT 4 HAVEN, A
 PROJECT: []
 DESIGNED BY: []
 CHECKED BY: []
 APPROVED BY: []
 DATE: []

OWNER
 Mirant Chalk Point, LLC
 1155 Perimeter Center West
 Atlanta, GA 30338
 Attn: Craig Vance (Site Contact)
 Tel: 240-575-1438
 Fax: 301-843-4281

CONTRACTOR
 Stone & Webster, Inc.
 100 Technology Center Drive
 Stoughton, MA 02072
 Attn: Harold Gordon
 Tel: 617-589-2281
 Fax: 617-589-5501

REFERENCE
 1.) THIS DRAWING WAS TAKEN FROM DIGITAL CAD FILE 122493-00000-C-CVL-217-1-3.dwg, PREPARED BY SHAW STONE & WEBSTER, INC., DATED MAY 11, 2007.



PART PLAN
 OUTDOOR
 TRANSFORMER
 & PDC BUILDING
 AREA

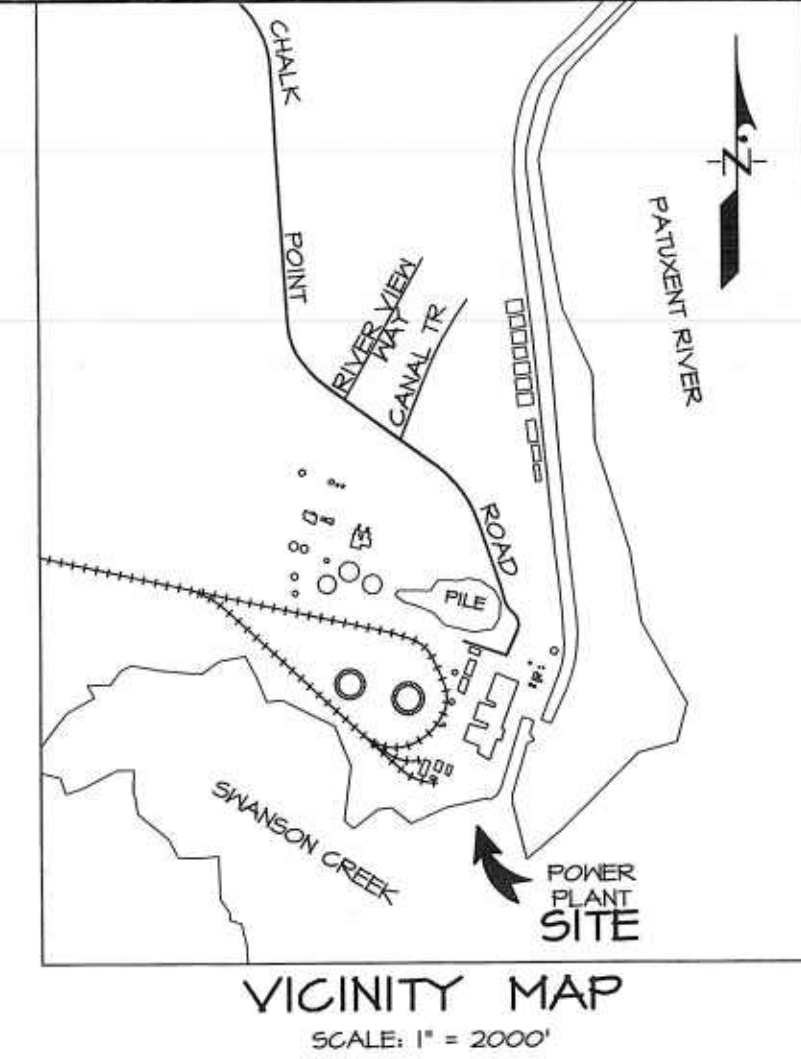
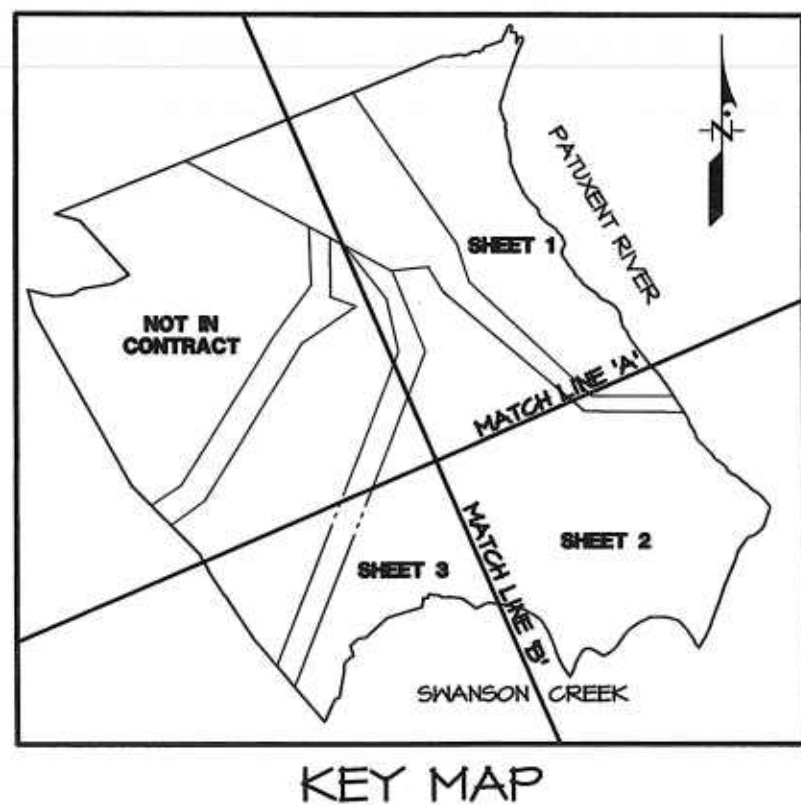
122493-00000-C-CVL-217-1-C

MIRANT MID-ATLANTIC, LLC
 1155 PERIMETER CENTER WEST
 ATLANTA, GA 30338

SHAW STONE & WEBSTER, INC.
 100 TECHNOLOGY CENTER DRIVE
 STOUGHTON, MA 02072

CHALK POINT STATION
 TAX MAP 83, GRID 04, PARCEL 8
 87th ELECTION DISTRICT
 AIR QUALITY CONTROL SYSTEMS
 PROPOSED STORM DRAINS
 AND DRAINAGE AREA PLAN

17A
 17A of 17A



Chalk Point Generating Station
Eagle Harbor Road
Aquasco, Prince George's County, Maryland 20608
Zone: 156 +/- acres
Gross Tract Area: 345 +/- acres
RCO Area: 130 +/- acres
IDO Area: 130 +/- acres

50' Site Impacts	Existing	Proposed
% Impervious surfaces in the RCO	5.5%	5.5%
% Impervious surfaces in the IDO	20.6%	20.6%
Impervious surfaces in the RCO	18.9 Ac.	18.9 Ac.
Impervious surfaces in the IDO	31.17 Ac.	31.17 Ac.
Limit of Disturbance	N/A	1.11 Ac.
Primary Buffer Disturbance	N/A	550 S.F.

- NOTES:
- The '05 revision proposes no additional impacts to the forests, non-tidal wetlands or non-tidal wetland buffers.
 - The proposed plan revisions will result in 550 square feet of temporary Buffer Impacts from the installation of an underground wastewater conveyance line.
 - Mirant Chalk Point LLC owns approximately 911 acres of the Chalk Point Station property. PEPCO retained ownership of the site areas used for electric substations and transmission lines.
 - (5/14/07) Kemron has granted permission to Ben Dyer Associates to revise the following drawings, which were originally prepared by Kemron:
Chalk Point Critical Area Resource Conservation Plan - Physical Characteristics - 3 sheets (Drawing Nos. PCP A-143, B-143, C-143)
Chalk Point Critical Area Resource Conservation Plan - Soils - 3 sheets (Drawing Nos. PCP A-2, B-2, C-3)
Chalk Point Critical Area Resource Conservation Plan - Vegetative Analysis - 3 sheets (Drawing Nos. PCP A-4, 4-B, C-4)
Chalk Point Critical Area Resource Conservation Plan - Habitat Protection - 3 sheets (Drawing Nos. PCP A-5, 5-B, C-5).
 - (5/25/07) Shaw Stone & Webster, Inc. has granted permission to Ben Dyer Associates, Inc. to use existing base information for the creation of an overall CBCA Plan.

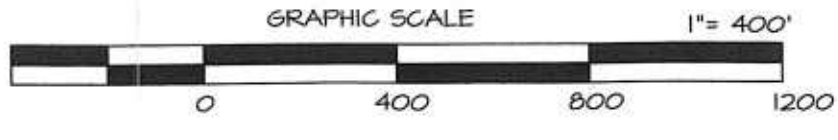
M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL
CHESAPEAKE BAY CRITICAL AREA
CONSERVATION PLAN
CP-90016

Approved by	DATE
J.P. Markovitch	10/31/91
J.P. Markovitch	12/01/94
K.I. Finch	11/22/04
K.I. Finch	6/8/07
K.I. Finch	4/17/09

RECEIVED
NOV 13 2009
CRITICAL AREA COMMISSION

OVERALL
CHESAPEAKE BAY CRITICAL AREA
CONSERVATION PLAN (CP-90016)
CHALK POINT STATION
AQUASCO DISTRICT No. 8
PRINCE GEORGE'S COUNTY, MARYLAND



LEGEND

PROPERTY BOUNDARY	---
EX. CONTOUR	- - - -
PROP. CONTOUR	- - - -
EX. TREELINE	~~~~~
LIMIT OF DISTURBANCE	— LOD —
WATERS OF THE U.S.	~~~~~
NON-TIDAL WETLAND	~~~~~
PRIMARY BUFFER	— — — —
CRITICAL AREA BOUNDARY	••••• 1-50 R-2-0

OWNER:
Mirant Chalk Point LLC
1155 Perimeter Center West
Atlanta, GA 30338

ADG MAP BK LOCATION MAP: 44 GRID: C-13

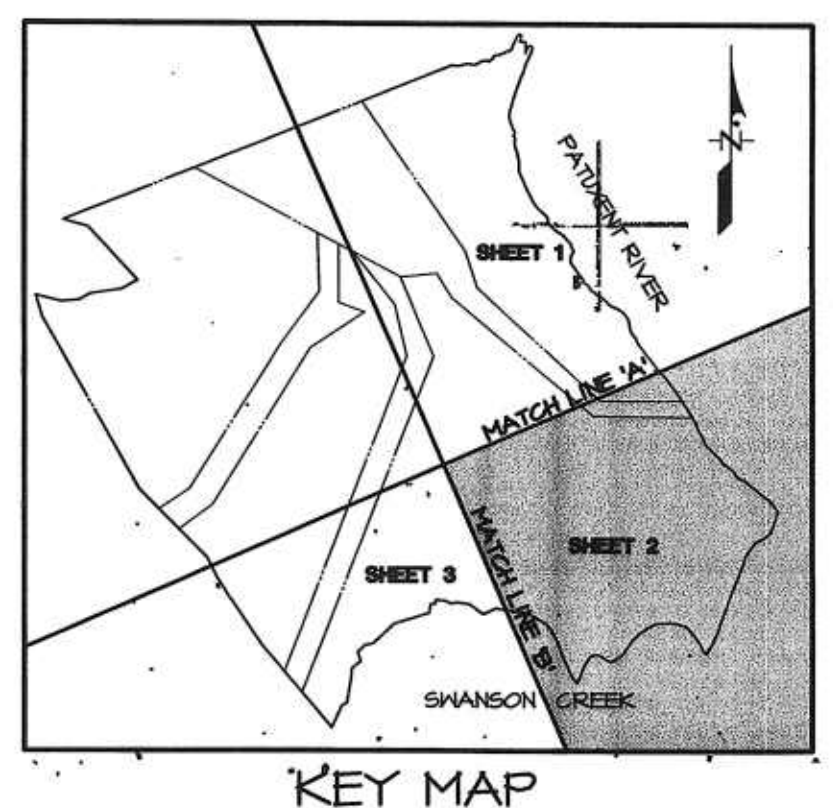
DATE	DESCRIPTION	BY
7/24/04	Revised to add 50' migration system and wastewater conveyance line.	PCN
1/27/04	-04 rev. to update track and gypsum area layout for flue gas desulfurization access.	MP
7/11/07	Revised to show Primary Buffer	MR
DATE	DESCRIPTION	BY
REVISIONS		
SCALE: 1" = 400'	DRWG. NO.	BO101
DATE	MAY 2007	54.001-Y

1721 WOODMOORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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SHOWN BY DESIGN BY DESIGNED BY RECORD NO.

Approved 12-6-05 Cgm

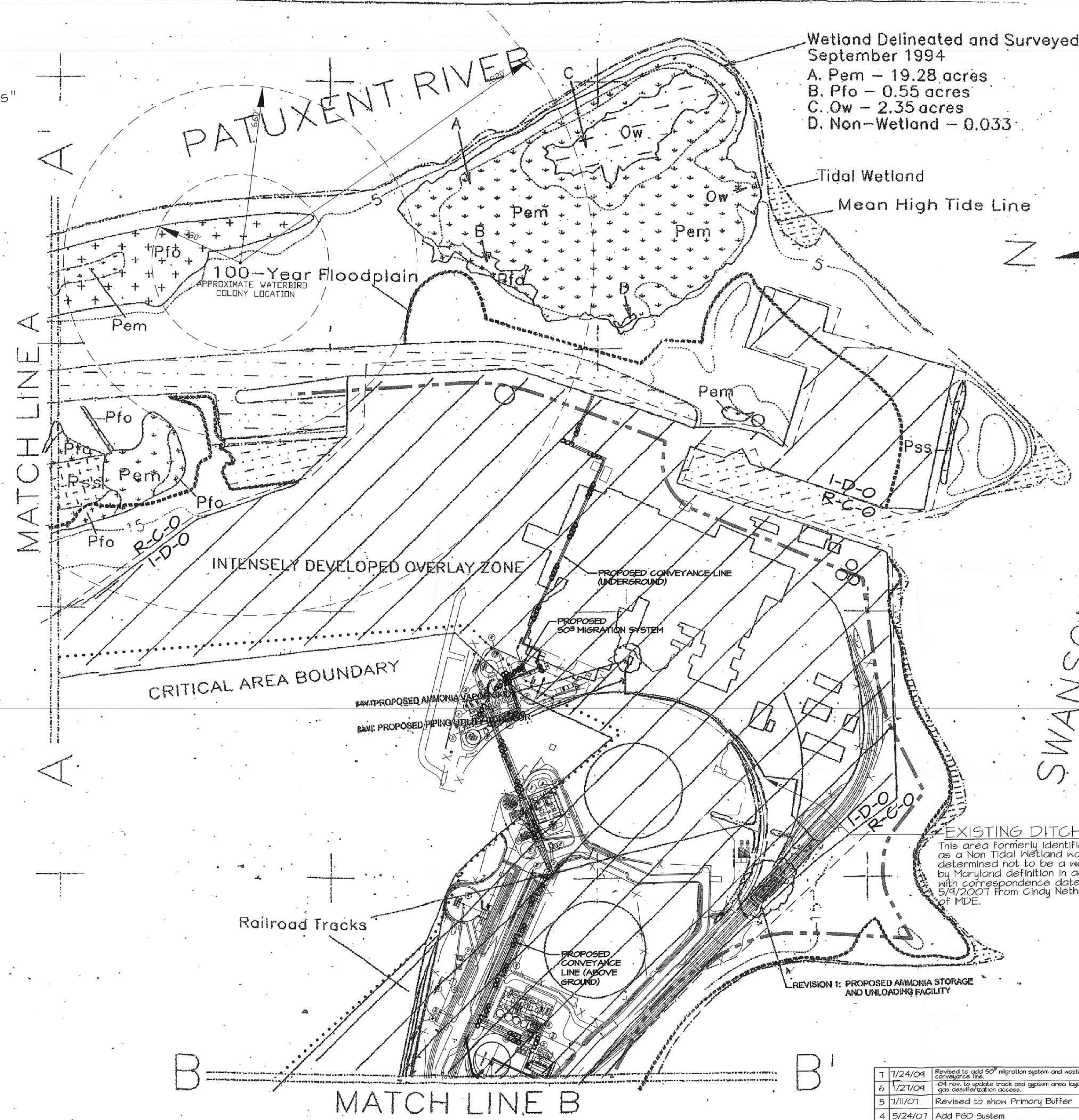
33063-2005-CG/01 Ok tanks, etc. per Power Plant Siting Act 3-306.01 Annotated Code of MD
 The Maryland National Capital Park and Planning Commission, Mary Hampton
 Approved 4/29/05 E 892,000
 Permit #33063-2005-CB "OK for concrete slabs"

Wetland Delineated and Surveyed September 1994
 A. Pem - 19.28 acres
 B. Pfo - 0.55 acres
 C. Ow - 2.35 acres
 D. Non-Wetland - 0.033



N 262,000

E 892,000
 N 257,000



E 890,000
 N 262,000

SWANSON CREEK

LEGEND

FGD Limit of Disturbance — LOD — LOD —
 Primary Buffer — — — — —

	TOTAL AREA IN RCO
Palustrine Forest Pfo	33.9 acres
Palustrine Scrub Shrub Pss	6.2 acres
Palustrine Emergent Pem	25.0 acres
Tidal Wetland Tw	50.8 acres
Open Water Ow	20.8 acres
Mean High Tide	
100-Year Floodplain	
Steep Slopes: 15-25% Grade	
Severe Slopes: >25% Grade	

M-NCPPC
 Prince George's County Planning Department
 Environmental Planning Section

APPROVAL
 CHESAPEAKE BAY CRITICAL AREA
 CONSERVATION PLAN
 CP-90016

Approved by	DATE
J.P. Markovich	10/31/91
01 J.P. Markovich	12/01/94
02 K.L. Finch	11/22/04
03 K.L. Finch	8/8/07
04 K.L. Finch	4/17/09
05	
06	

EXISTING DITCH
 This area formerly identified as a Non Tidal Wetland was determined not to be a wetland by Maryland definition in accordance with correspondence dated 5/4/2007 from Cindy Nethen of MDE.

Maryland Coordinate System
 E 889,000

RECEIVED
 NOV 13 2009
 CRITICAL AREA COMMISSION

No.	DATE	REVISIONS DESCRIPTION	BY
1	4/24/04	Add Ammonia Storage & Unloading Facility	JJK
2	10/25/04	Revise Facility and Pipeline Location, Add Wetlands	JJK
3		Add Sheet Showing Change in Scrubber System	
7	7/24/09	Revised to add 50' migration system and wastewater conveyance line	PCN
6	1/21/09	-04 rev. to update track and gypsum area layout for flue gas desulfurization access.	MP
5	7/11/07	Revised to show Primary Buffer	MR
4	5/24/07	Add FGD System	MR

1721 WOODMORE ROAD, SUITE 200
 MITCHELLVILLE, MARYLAND 20721

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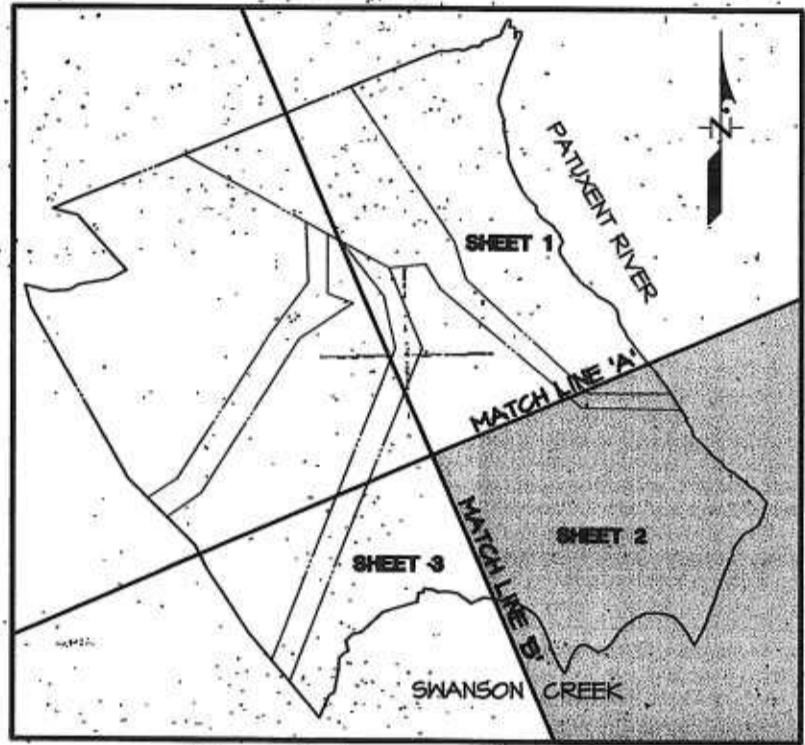
RECORD NO. J-0101
 DRAWING NO. 54.003-Y

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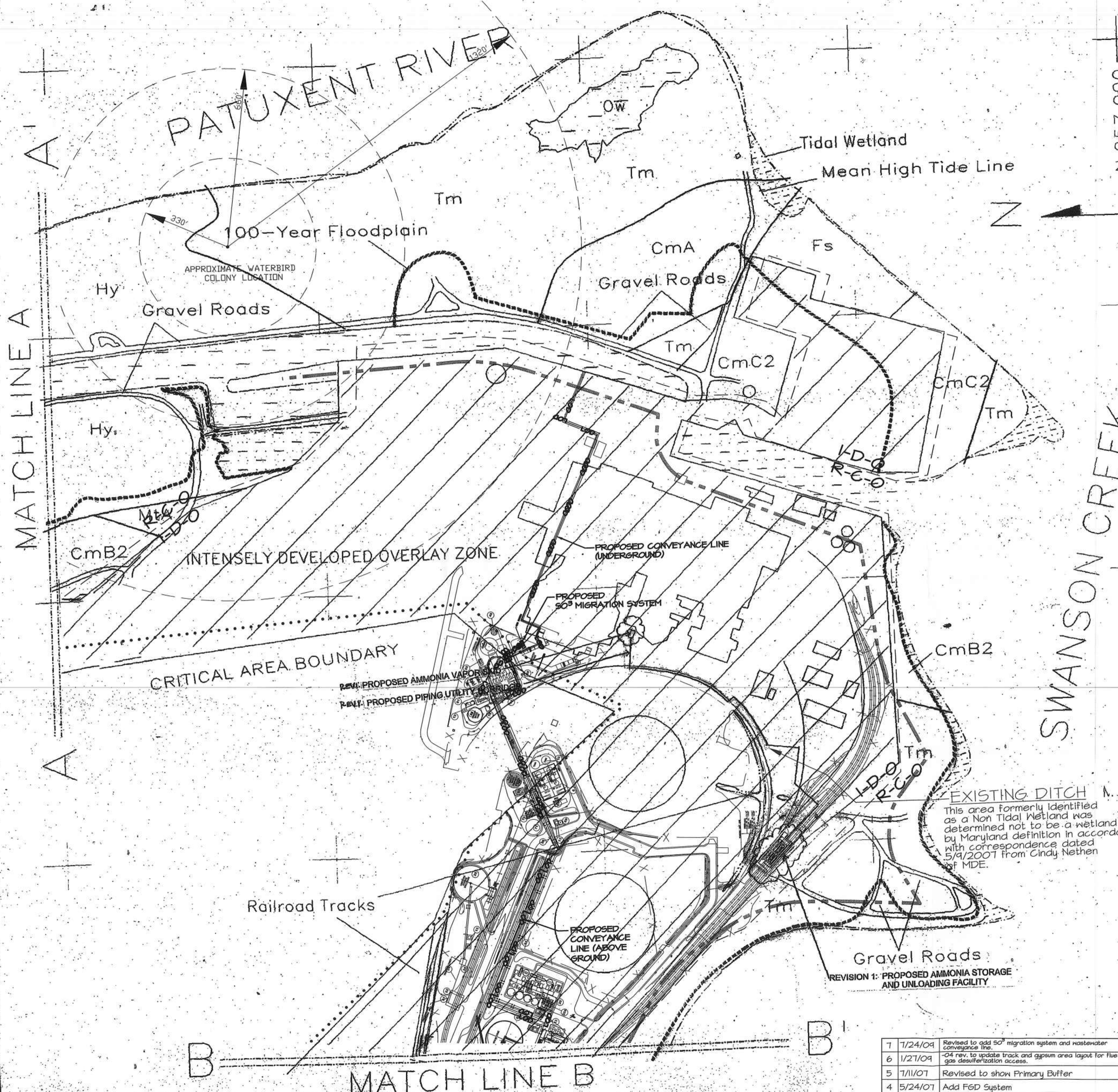
N 262,000 E 892,000

N 257,000 E 892,000

N 262,000 E 890,000



KEY MAP



M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL
CHESAPEAKE BAY CRITICAL AREA
CONSERVATION PLAN
CP-90016

Approved by	DATE
J.P. Markovich	10/31/91
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06	

EXISTING DITCH
This area formerly identified as a Non Tidal Wetland was determined not to be a wetland by Maryland definition in accordance with correspondence dated 5/9/2007 from Cindy Nethen of MDE.

LEGEND
FGD Limit of Disturbance — LOD — LOD —
Primary Buffer — — — — —

SOIL LEGEND			OTHER FEATURES
SOIL NAME	SOIL NAME	SOIL CHARACTERISTICS	
Westphalia fine sandy loam WoB2: 2-6% slopes WoC2: 6-12% slope WoD2: 12-20% slope WoE2: 20% slope	Bibb silt loam Bo: 0-1% slopes Hyde Hy Fallsington sandy loam Fs: 0-2% slopes	HYDRIC SOILS Bibb (Bo) Fallsington (Fs) Hyde (Hy)	Open Water
Callahan fine sandy loam CmA: 0-2% slope CmB2: 2-5% slope CmC2: 5-10% slope CmD2: 10-15% slope Mottlex fine sandy loam MIA: 2-5% slopes	Sandy loam, steep SaE: 12-40%+ slopes Tidal marsh Tm Mixed alluvial land Mw	HIGHLY ERODIBLE Mottlex (MIA) Westphalia (Wo)	Tidal Wetlands Mean High Tide Impervious Surface (Roads and Ponds)

E 889,000

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CRITICAL AREA COMMISSION

No.	DATE	REVISIONS DESCRIPTION	BY
1	9/24/04	Add Ammonia Storage & Unloading Facility	LJK
2	10/25/04	Revise Facility and Pipeline Location, Add Wetlands	LJK
3		Add Sheet Showing Change in Scrubber System	
PCN		KEMRON ENVIRONMENTAL SERVICES, INC. 7926 JONES BRANCH DRIVE MCLEAN, VIRGINIA 22102 (800) 777-1042	
MP		CHALK POINT CRITICAL AREA RESOURCE CONSERVATION PLAN	
MR		SOILS	
MR		PAGE 2 OF 3	

No.	DATE	REVISIONS DESCRIPTION	BY
7	7/24/09	Revised to add 50' migration system and wastewater conveyance line	PCN
6	1/21/09	04 rev. to update track and gypsum area layout for the gas desulfurization access.	MP
5	7/11/07	Revised to show Primary Buffer	MR
4	5/24/07	Add FGD System	MR

NOTE: REVISION PREPARED BY BEN DYER ASSOCIATES, INC.

1721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721

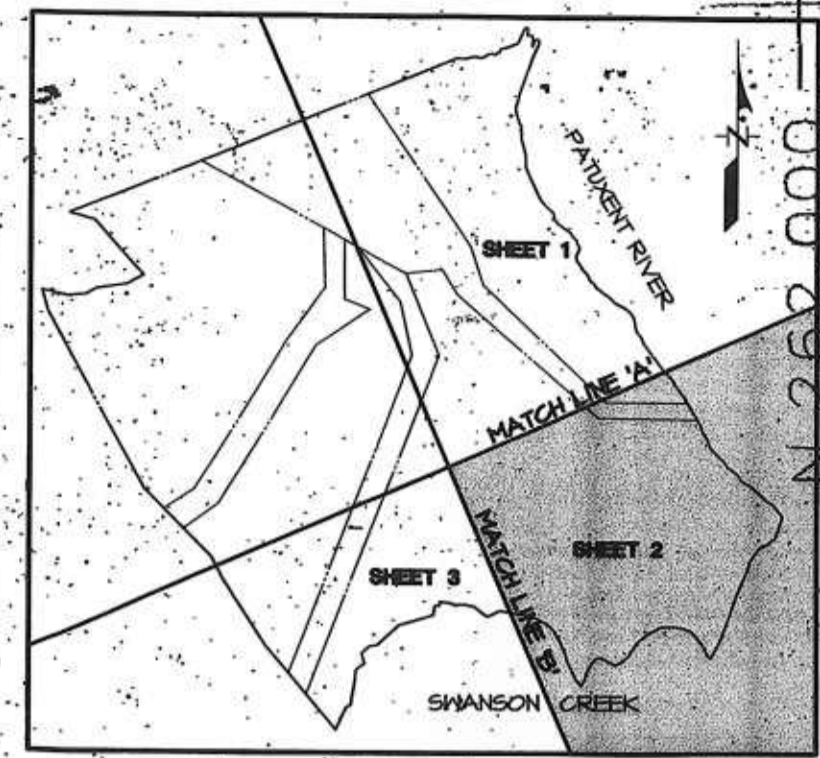
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TELEPHONE (301) 430-2000

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RECORD NO. J-01701 DRWG. NO. 54,006-Y

PROJECT NUMBER: 8024 PROJECT CLIENT: PEPCO
DRAWN BY: DR SCALED 1 INCH = 200 FEET
CHECKED BY: LISA TROCHEL DATE: NOVEMBER 11, 1992
APPROVED BY: DAVE BOBB DRAWING P.C. # - 2
REVISED BY: PEPCO DATE: FEBRUARY 10, 1995

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KEY MAP

E 892,000

N 262,000

E 892,000

N 257,000

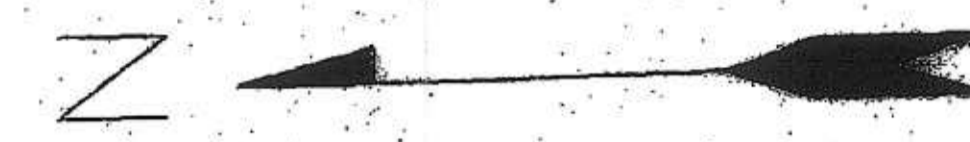
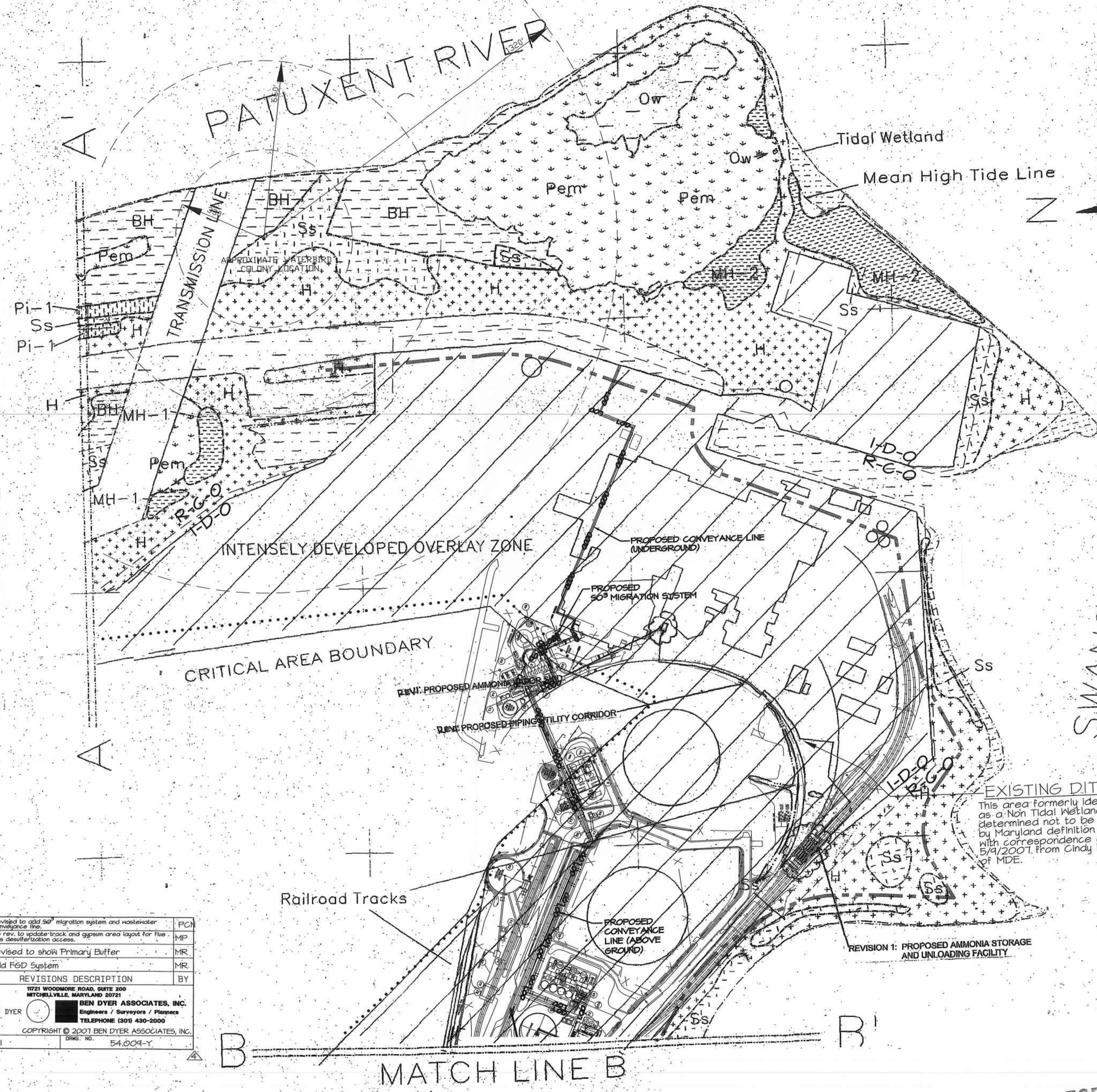
LEGEND

FGD Limit of Disturbance LOD
Primary Buffer

- Scattered/Open Land SC/O
- Yellow Poplar YP
- Mixed Hardwoods MH-1, MH-2, MH-3, MH-4
- Bottomland Hardwoods BH
- Mixed Pine MP
- Virginia Pine Pi-1, Pi-2
- Pine-Hardwood PH-1, PH-2
- Scrub Shrub Ss
- Serot Communities H
- Palustrine Emergent Wetlands Pem
- Open Water Ow
- Mean High Tide Line MRTL

No.	DATE	REVISIONS DESCRIPTION	BY
1	1/24/04	Revised to add SOP migration system and wastewater conveyance line.	PCN
2	1/21/04	04 rev. to update track and gypsum area layout for flow stop identification circles.	MP
3	7/11/07	Revised to show Primary Buffer	MR
4	5/24/07	Add FGD System	MR

1721 WOODMORE ROAD, SUITE 200
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RECORD NO. J-01701 DRWG. NO. 54.004-Y



SWANSON CREEK

M-NCPPC
Prince George's County Planning Department
Environmental Planning Section
APPROVAL
CHESAPEAKE BAY CRITICAL AREA
CONSERVATION PLAN
CP-90016

Approved by	DATE
J.P. Markovich	10/31/91
01 J.P. Markovich	12/01/94
02 K.L. Finch	11/22/04
03 K.L. Finch	8/8/07
04 K.L. Finch	4/17/09
05	
06	

No.	DATE	REVISIONS DESCRIPTION	BY
1	4/24/04	Add Ammonia Storage & Unloading Facility	JJK
2	10/25/04	Revise Facility and Pipeline Location, Add Wetlands	JJK
3		Add Sheet Showing Change in Scrubber System	

KEMRON ENVIRONMENTAL SERVICES, INC.
7926 JONES BRANCH DRIVE
MCLEAN, VIRGINIA 22102 (800) 777-1042
CHALK POINT CRITICAL AREA RESOURCE
CONSERVATION PLAN
VEGETATIVE ANALYSIS
PAGE 2 OF 3

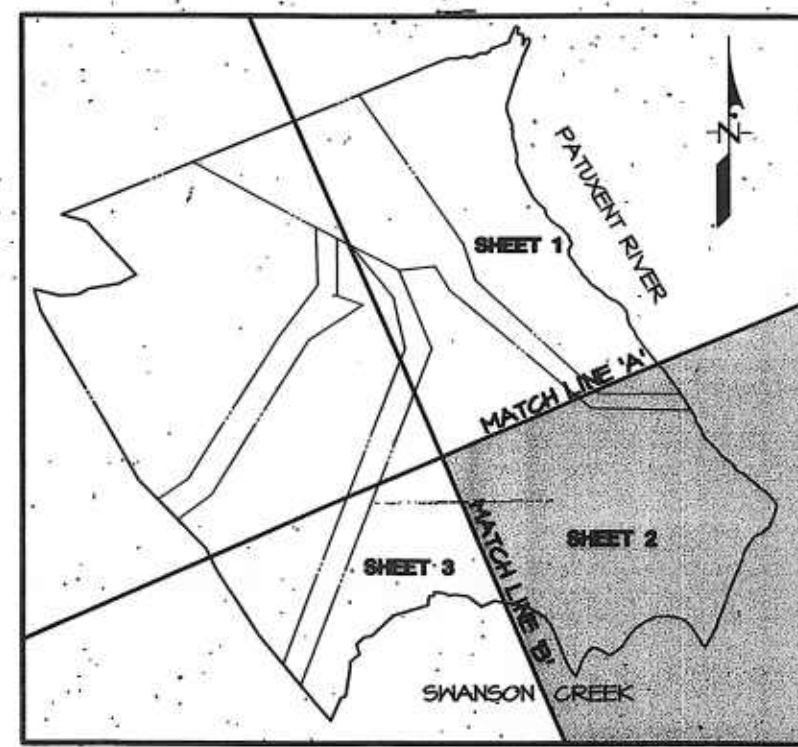
PROJECT NUMBER 004	PROJECT CLIENT PEPCO
DRAWN BY: BR	SCALE: 1" = 200 FEET
CHECKED BY: LISA TREICHEL	DATE: NOVEMBER 21, 1992
APPROVED BY: DAVE SODS	DRAWING PFC 4 - 3
REVISED BY: PEPCO	DATE: FEBRUARY 16, 1995

RECEIVED
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COMMISSION

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KEY MAP

No.	DATE	REVISIONS DESCRIPTION	BY
7	1/24/09	Revised to add SO ₂ migration system and wastewater conveyance line.	PCN
6	1/21/09	04 rev. to update track and system area layout for five gas desulfurization access.	MP
5	7/11/07	Revised to show Primary Buffer	MR
4	5/24/07	Add FGD System	MR

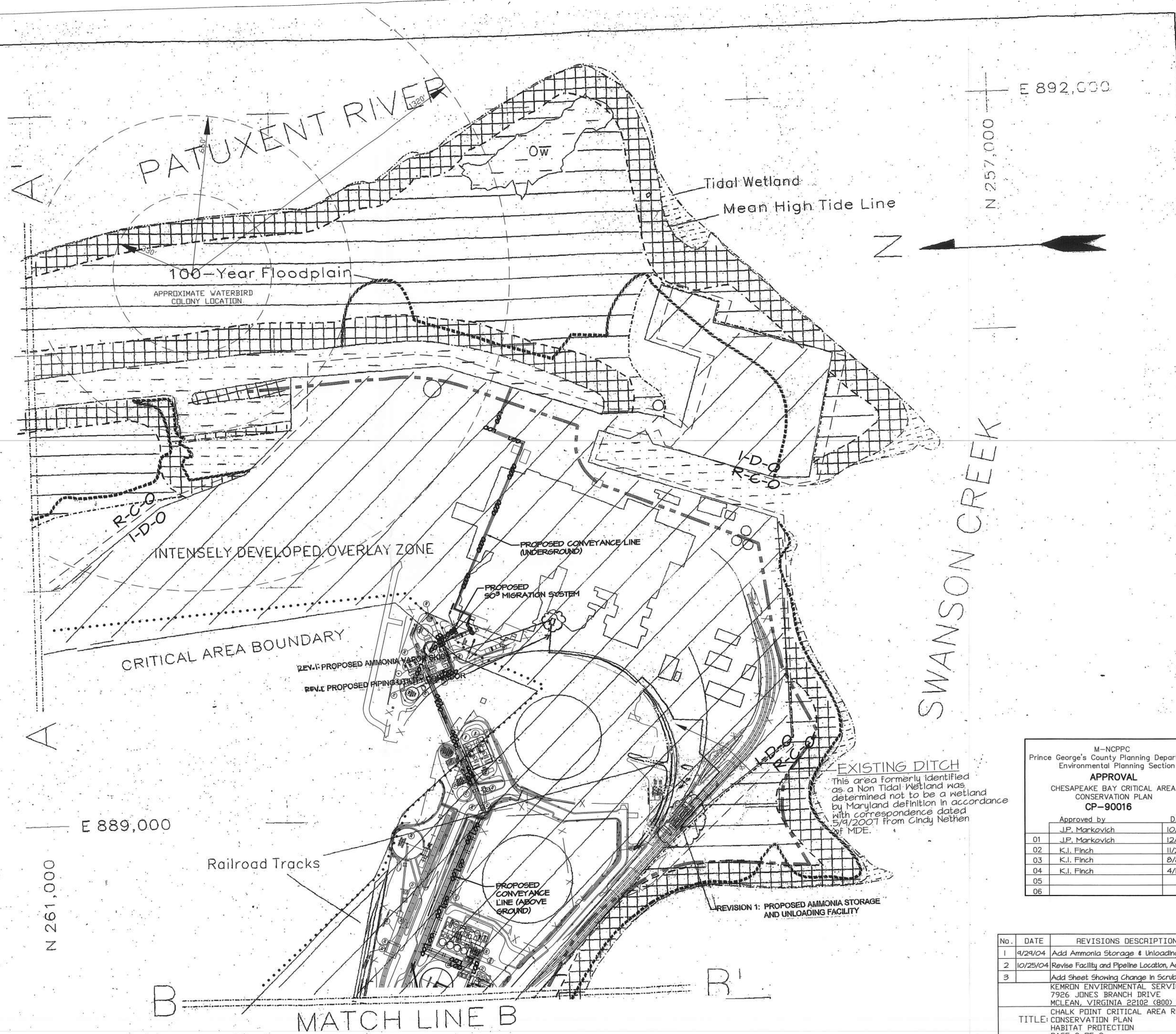
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RECORD NO. J-01701 DRWG. NO. 54.012-Y

LEGEND

FGD Limit of Disturbance — LOD — LOD ▲
Primary Buffer — — — — —

LEGEND

- Tidal Wetlands
- Open Water
- CRITICAL AREA BUFFERS
 - Primary Buffer
 - Secondary Buffer
- Mean High Tide Line
- 100-year floodplain



EXISTING DITCH
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M-NCPPC
Prince George's County Planning Department
Environmental Planning Section

APPROVAL
CHESAPEAKE BAY CRITICAL AREA
CONSERVATION PLAN
CP-90016

Approved by	DATE
J.P. Markovitch	10/31/91
01 J.P. Markovitch	12/01/94
02 K.I. Finch	11/22/04
03 K.I. Finch	8/8/07
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No.	DATE	REVISIONS DESCRIPTION	BY
1	9/29/04	Add Ammonia Storage & Unloading Facility	JJK
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KEMRON ENVIRONMENTAL SERVICES, INC.
7926 JONES BRANCH DRIVE
MCLEAN, VIRGINIA 22102 (800) 777-1042
CHALK POINT CRITICAL AREA RESOURCE
HABITAT PROTECTION
PAGE 2 OF 3

PROJECT NUMBER: 8004	PROJECT CLIENT: PEPCO
DRAWN BY: DR	SCALE: 1 INCH = 200 FEET
CHECKED BY: LISA TREICHEL	DATE: NOVEMBER 11, 1992
APPROVED BY: DAVE SEEB	DRAWING POC: S - B
REVISED BY: PEPCO	DATE: FEBRUARY 16, 1995

RECEIVED
NOV 13 2009
CRITICAL AREA COMMISSION

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