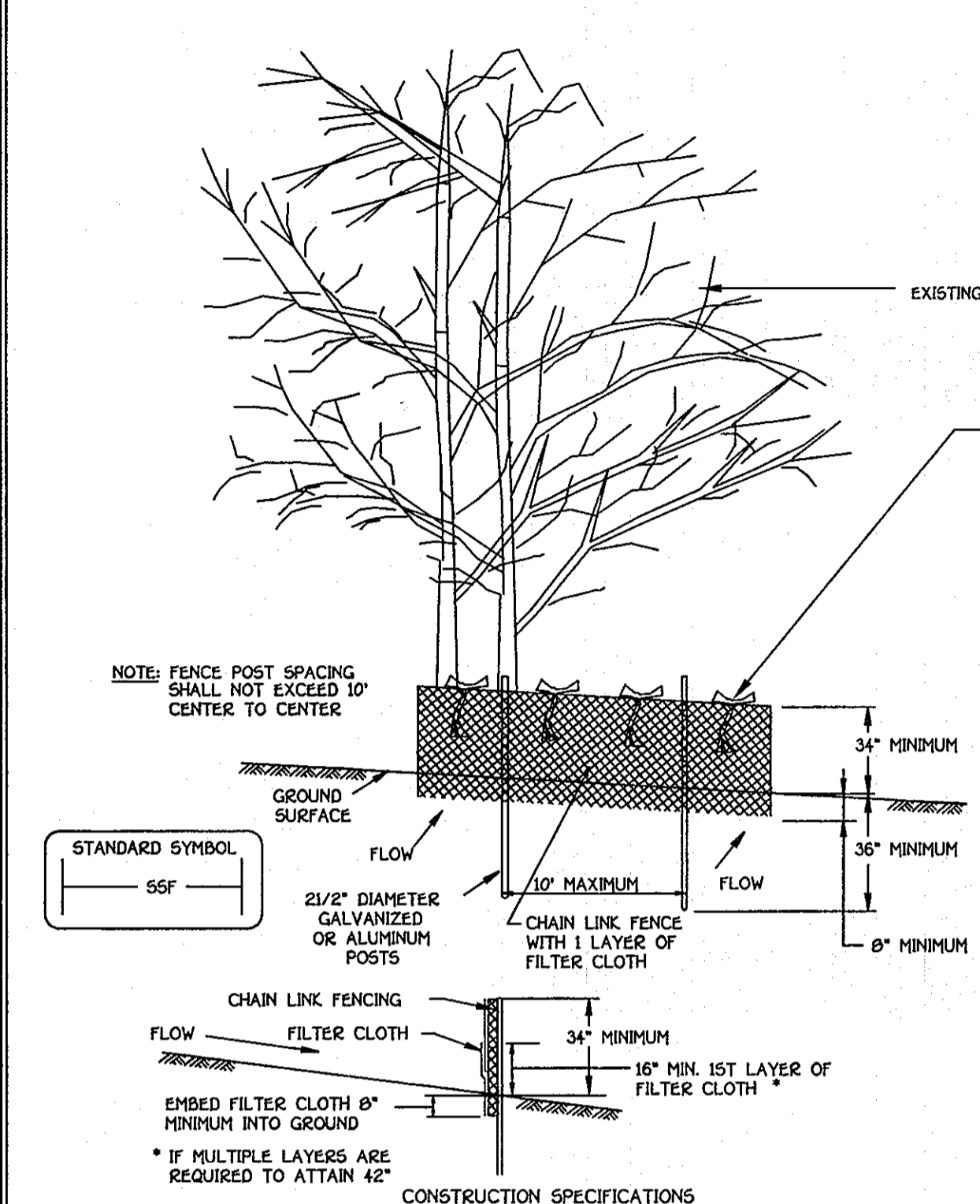


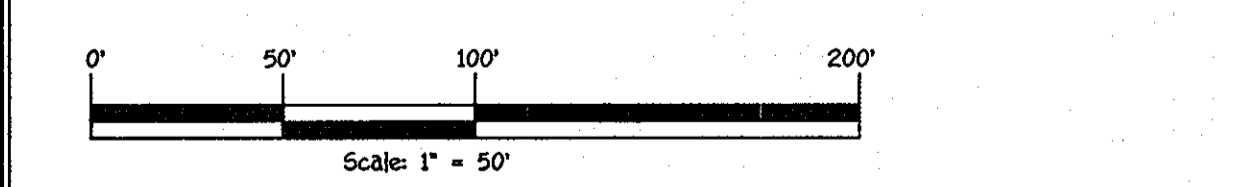
SOIL	NAME	CLASS
CrA2	Chalky-fairly loam, 1 to 5 percent slopes, moderately eroded	C
CrB3	Chalky-fairly loam, 5 to 15 percent slopes, severely eroded	C
Hs	Heavy silt loam	D
Mo	Mixed silt/clay loam	D
SbA2	Sandy loam, 1 to 5 percent slopes, moderately eroded	B
SbC2	Sandy loam, 5 to 10 percent slopes, moderately eroded	B
SbD2	Sandy loam, 10 to 15 percent slopes, moderately eroded	B

NOTES:
 * Hydraulic soils and/or contains hydric indications
 ** May contain hydric indications
 † Generally only within 100-year floodplain areas

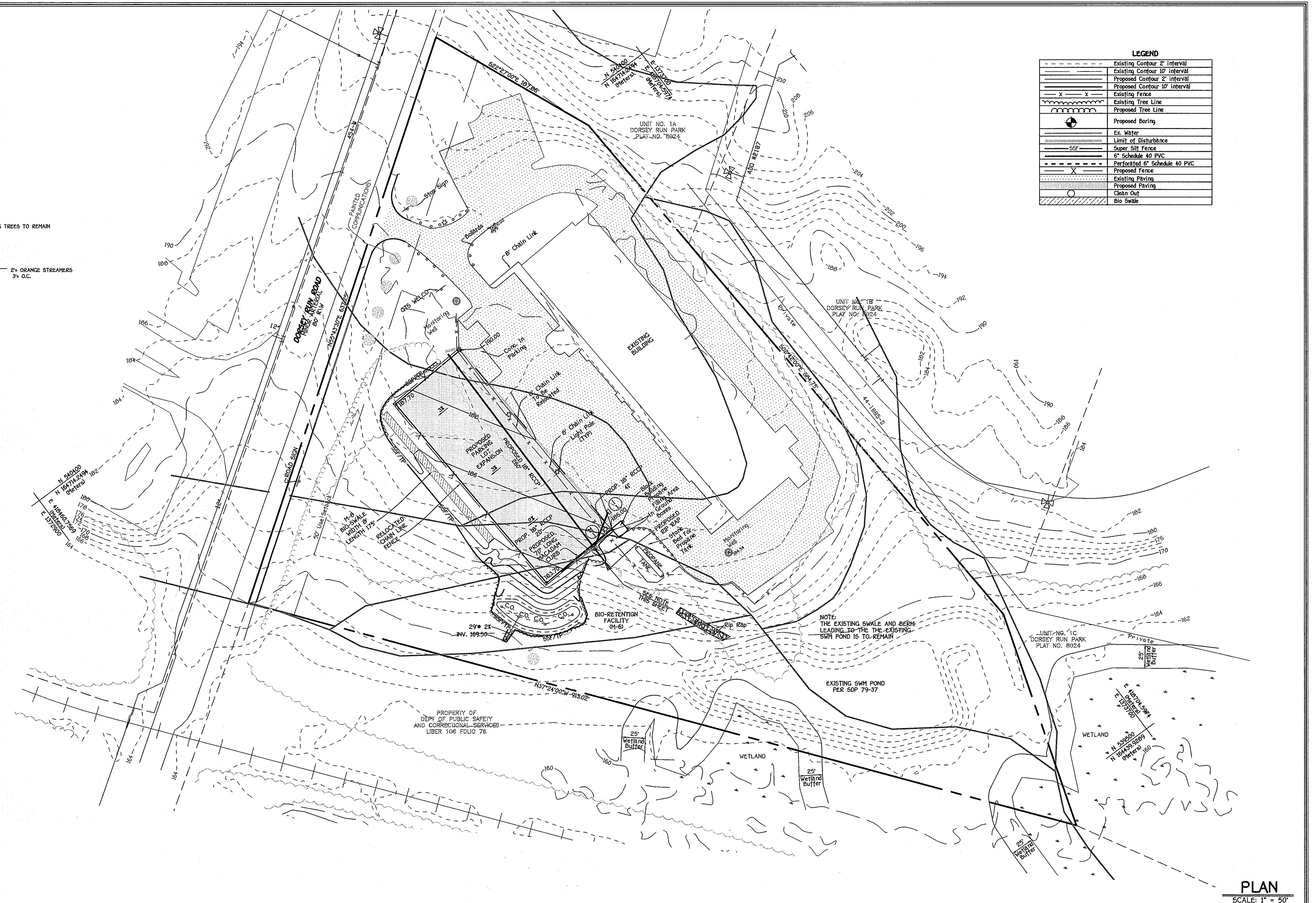


- CONSTRUCTION SPECIFICATIONS**
- FENCING SHALL BE 42" IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6" FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 6" LENGTH POSTS.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRESS RODS, BRUSH ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE, OR WHEN SILT REACHES 50% OF FENCE HEIGHT.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F1:
- | TENSILE STRENGTH | 50 LBS/IN (MIN) | TEST: MHT 509 |
|----------------------|---------------------------------------|---------------|
| TENSILE MODULUS | 20 LBS/IN (MIN) | TEST: MHT 509 |
| FLOW RATE | 0.3 GAL/FT ² /MINUTE (MAX) | TEST: MHT 322 |
| FILTERING EFFICIENCY | 75% (MIN) | TEST: MHT 322 |
- | SLOPE | SLOPE STEEPNESS | SLOPE LENGTH (MAXIMUM) | SILT FENCE LENGTH (MAXIMUM) |
|----------|-----------------|------------------------|-----------------------------|
| 0 - 10% | 0 - 10% | UNLIMITED | UNLIMITED |
| 10 - 20% | 10% - 5% | 200 FEET | 1500 FEET |
| 20 - 33% | 5% - 3% | 100 FEET | 1000 FEET |
| 33 - 50% | 3% - 2% | 50 FEET | 500 FEET |
| 50% + | 2% + | 50 FEET | 250 FEET |

SUPER SILT FENCE, TREE PROTECTION FENCE
 NOT TO SCALE



LEGEND	
(Dashed line)	Existing Contour 2' interval
(Dashed line)	Existing Contour 10' interval
(Dashed line)	Proposed Contour 2' interval
(Dashed line)	Proposed Contour 10' interval
(X symbol)	Existing Fence
(Wavy line)	Existing Tree Line
(Wavy line)	Proposed Tree Line
(Circle with cross)	Proposed Boring
(Circle with dot)	Ex. Water
(Dashed line)	Limit of Disturbance
(Dashed line)	Super Silt Fence
(Dashed line)	6" Schedule 40 PVC
(Dashed line)	Perforated 6" Schedule 40 PVC
(X symbol)	Proposed Fence
(Dotted line)	Existing Paving
(Dotted line)	Proposed Paving
(Circle with dot)	Clean Out
(Circle with dot)	Bio Swale



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL FREE
 BELLCITY CITY, MARYLAND 20842
 (410) 461-1000

DATE	DESCRIPTION	REVISION

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE PLANS AND SPECIFICATIONS WERE PREPARED OR APPROVED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20794, EXPIRATION DATE: 2/22/11

[Signature] 3/11
 DATE

OWNERS
 GTS-WELCO
 8025 DORSEY RUN ROAD
 JESSUP, MD 20794
 410-796-8845

DEVELOPER
 CPE INCORPORATED
 C/O JOHN MCCONNELL
 8131 DORSEY RUN ROAD
 JESSUP, MD 20794
 410-799-1169 EXT. 10

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 3/14/11
 Chief, Division of Land Development Date

[Signature] 3/16/11
 Chief, Development Engineering Division Date

SUBDIVISION	N/A	SECTION/AREA	N/A	LOT NO.	N/A
PLAT BOOK	N/A	PARCEL NO.	8	ZONE	M-2
TAX MAP	48	ELEC. DIST.	6th	CENSUS TR.	606901

ENVIRONMENTAL CONCEPT PLAN
 PLAN VIEW

BURDETT OXYGEN COMPANY

TAX MAP No: 48 GRID No: 3 PARCEL No: 8
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: MARCH, 2011
 SHEET 2 OF 3 **ECP-11-040**

SOILS LEGEND	NAME	CLASS
C101	Chert-White loam, 1 to 5 percent slopes, moderately eroded	C
C102	Chert-White loam, 3 to 12 percent slopes, moderately eroded	C
C103	Chert-White loam, 12 to 15 percent slopes, moderately eroded	C
D101	White clay loam	D
D102	White clay loam, 1 to 5 percent slopes, moderately eroded	D
D103	White clay loam, 5 to 15 percent slopes, moderately eroded	D
D104	White clay loam, 12 to 15 percent slopes, moderately eroded	D

Wetland Data		
WETLAND SYSTEM	COWardin CLASSIFICATION	DOMINANT VEGETATION
A	PF01A	Acer rubrum, Liquidambar styraciflua, Quercus palustris, Platanus occidentalis, Lindera benzoin, Viburnum dentatum

Forest Stand Data					
Key	Community Type	Acreage	Dominant Vegetation	General Condition	Priority Acreage
F1	Poplar/Maple	3.0 total site 0.85 (NTA)	Liquidambar styraciflua, Acer rubrum, Liquidambar styraciflua, Fraxinus americana, Prunus serotina, Pinus taeda	Good	0.5 +/- buffer total site 0 (NTA)

Specimen Tree Data		
Tree	Species, Size	Condition/Comment
A	Tulip poplar, 61" dbh	Fair, some damage in the major limbs was noted To be Retained

- NOTES:**
- No rare, threatened or endangered species were observed on the property.
 - Surrounding land use is primarily commercial and industrial. A rail road right of way passes to the south of the site.
 - The property does not include any known historic structures.
 - There are 2.7 acres of contiguous forest within 100 feet of the subject property. The forest connection is along the southern and southeastern portion of the property.
 - All forest on the site is within Stand F-1.

FOREST CONSERVATION WORKSHEET
Version 1.0

Project: Burdett Oxygen Co
Date: March 4, 2011

NET TRACT AREA		
A. Total tract area		Acres
B. Area within 100 Year Floodplain		0
C. Area outside proposed limits of disturbance		7.32
D. Net Tract Area		0.85

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual)						
ARA	MOR	IDA	HDR	MPD	CIA	X
E. Afforestation Threshold (percentage)	15%					0.13
F. Conservation Threshold (percentage)	15%					0.13

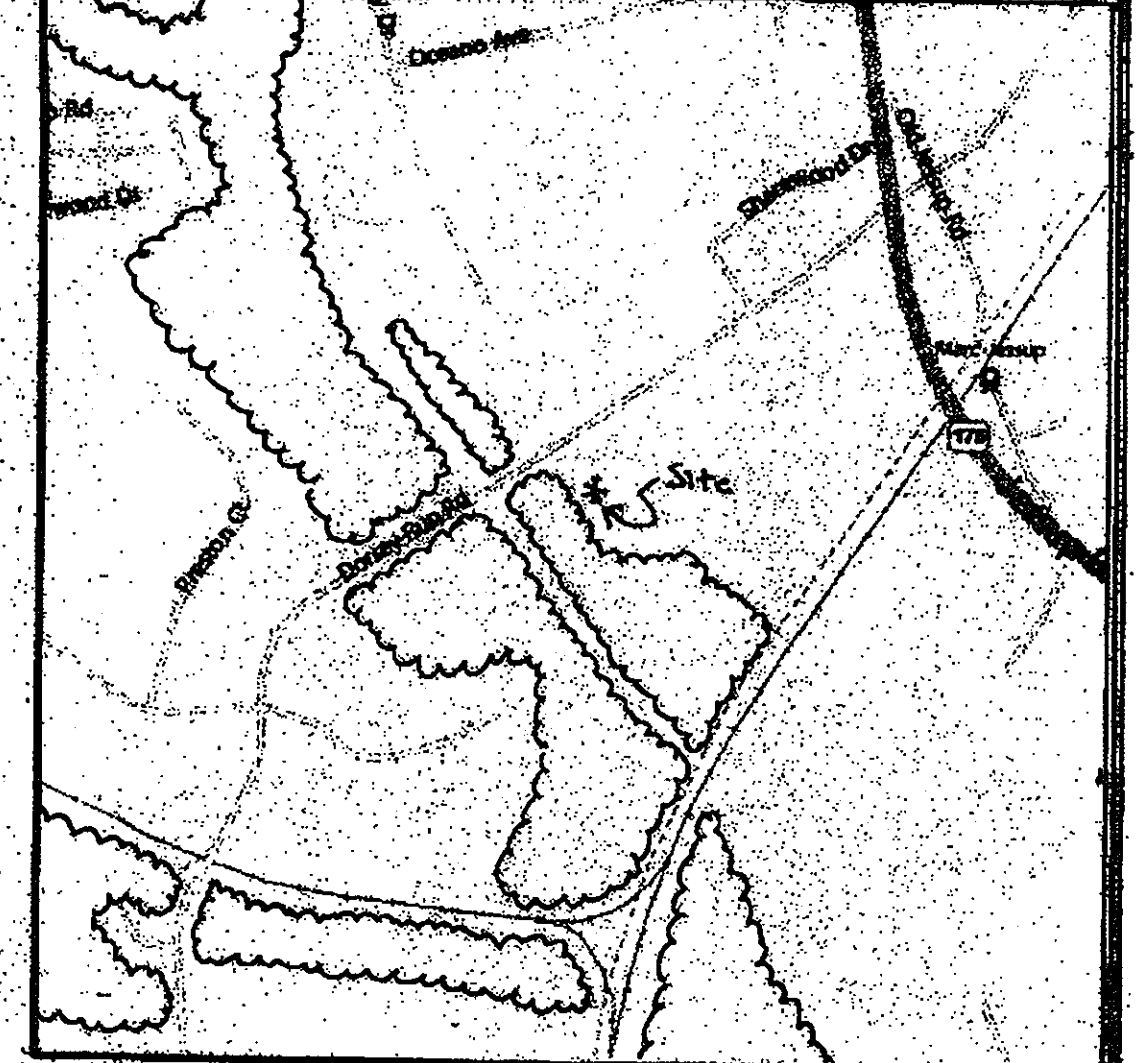
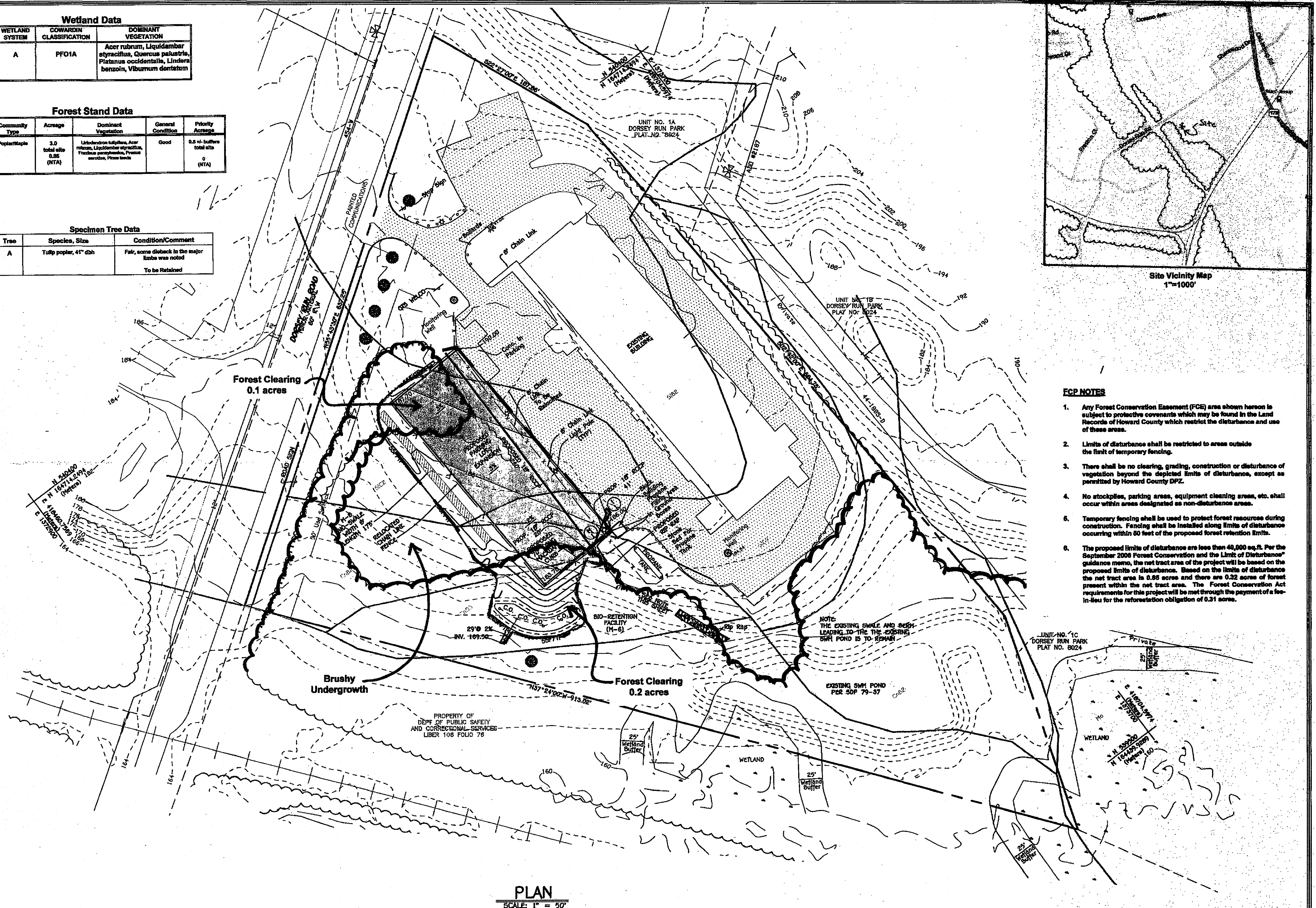
EXISTING FOREST COVER		
G. Existing forest cover (excluding floodplain)		0.32
H. Area of forest above afforestation threshold		0.18
I. Area of forest above conservation threshold		0.18

BREAK EVEN POINT:		
J. Forest retention above threshold with no mitigation	Break-Even Point	0.04
K. Clearing permitted without mitigation		0.15

PROPOSED FOREST CLEARING		
L. Total area of forest to be Cleared or Retained Outside FCE		0.32
M. Total area of forest to be Retained in FCE		0.0

PLANTING REQUIREMENTS		
N. Reforestation for clearing above Conservation Threshold		0.05
O. Reforestation for clearing below Conservation Threshold		0.28
P. Credit for retention above conservation threshold		0
R. Total reforestation required		0.31
S. Total afforestation required		0
T. Total reforestation and afforestation required		0.31

- Legend**
- Ex. Contours
 - Ex. Forest Limits
 - Ex. Tree Lines
 - Wetland Limits
 - Wetland Buffer
 - Limits of Disturbance/ Net tract area
 - Specimen Tree
 - Temporary Protective Fencing



- FCP NOTES**
- Any Forest Conservation Easement (FCE) area shown hereon is subject to protective covenants which may be found in the Land Records of Howard County which restrict the disturbance and use of these areas.
 - Limits of disturbance shall be restricted to areas outside the limit of temporary fencing.
 - There shall be no clearing, grading, construction or disturbance of vegetation beyond the depicted limits of disturbance, except as permitted by Howard County DPZ.
 - No stockpiles, parking areas, equipment clearing areas, etc. shall occur within areas designated as non-disturbance areas.
 - Temporary fencing shall be used to protect forest resources during construction. Fencing shall be installed along limits of disturbance occurring within 60 feet of the proposed forest retention limits.
 - The proposed limits of disturbance are less than 40,000 sq. ft. Per the September 2006 Forest Conservation and the Limit of Disturbance guidance memo, the net tract area of the project will be based on the proposed limits of disturbance. Based on the limits of disturbance the net tract area is 0.85 acres and there are 0.32 acres of forest present within the net tract area. The Forest Conservation Act requirements for this project will be met through the payment of a fee-in-lieu for the reforestation obligation of 0.31 acres.

PLAN
SCALE: 1" = 50'

Eco-Science Professionals, Inc.
Consulting Ecologists
73A, Box 8988 Old Annapolis Road
Telephone (410) 523-5488 Fax (410) 523-5488

MD DNR Qualified Professional
USDA/ACE Wetland Delineator
Certification # WDCEP91MD061004012
Date: 7/1/2011

FISHER, COLLINS & CARTER, INC.
ONE ENGINEERING CONSULTANTS & LAND SUBDIVISIONS
INTERNATIONAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE
CLERKSTOWN, MARYLAND 21822
(410) 461-2895

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 20784, EXPIRATION DATE: 2/22/14/13
Aldo H. Minico
3/10/11
DATE

OWNERS
QTS-WELCO
8025 DORSEY RUN ROAD
JESSUP, MD 20794
410-796-8845

DEVELOPER
CPE INCORPORATED
C/O JOHN MCCONNELL
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APPROVED: DEPARTMENT OF PLANNING AND ZONING

<i>[Signature]</i> Chief, Division of Land Development	3/11/11 Date
<i>[Signature]</i> Chief, Development Engineering Division	3/16/11 Date

SUBDIVISION	SECTION/AREA	LOT NO.
N/A	N/A	N/A

PLAT BOOK	PARCEL NO.	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
N/A	B	M-2	48	6h	606901

**WETLAND AND FOREST STAND DELINEATION PLAN
PRELIMINARY FOREST CONSERVATION PLAN**

BURDETT OXYGEN COMPANY

TAX MAP No.: 48 GRID No.: 3 PARCEL No.: B
6h ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JANUARY, 2011
SHEET 3 OF 3 ECP-11-040