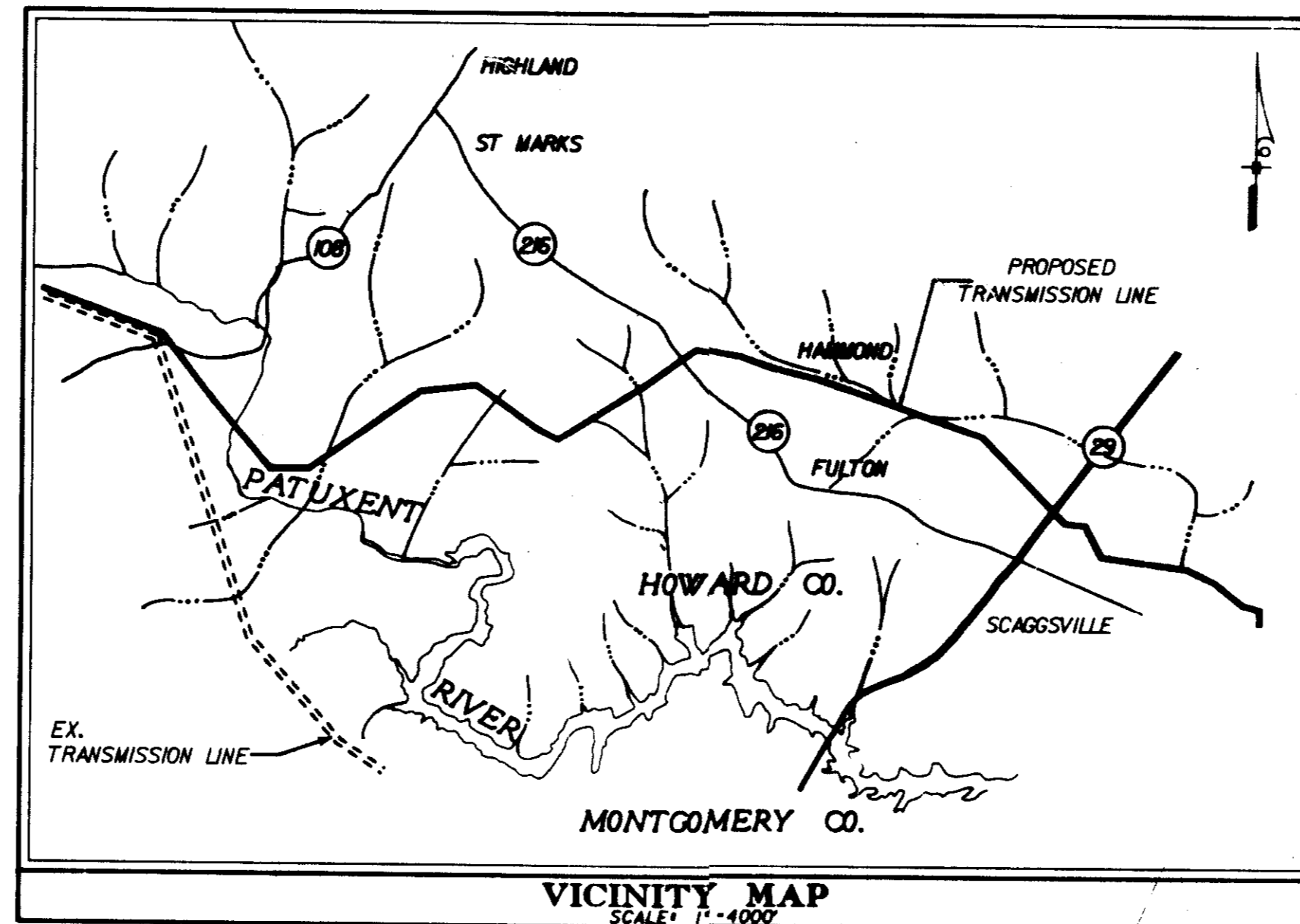


# SEDIMENT CONTROL PLAN BRIGHTON - HIGH RIDGE

## 500 KV TRANSMISSION LINE

### HOWARD COUNTY, MARYLAND



#### GENERAL NOTES

- 1) HORIZONTAL DATUM - MARYLAND STATE PLANE COORDINATE GRID
- 2) VERTICAL DATUM - MEAN SEA LEVEL OF U.S.C.&G. SURVEY (1929 ADJUSTMENT)
- 3) TOPOGRAPHY - AERIAL, 4-30-87; COUNTOUR INTERVAL - 5'
- 4) 2' CONTOURS INTERPOLATED FROM 5' AERIAL TOPOGRAPHY BY GREENHORNE & O'MARA, INC.
- 5) FLOOD PLAIN INFORMATION FROM HAMMOND BRANCH FLOOD PLAIN STUDY BERNARD JOHNSON, INC. AUG. 1986.

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	SHEET NUMBER
1) INDEX SHEET	2
2) SEDIMENT CONTROL PLAN	3-27
3) AERIAL PHOTOGRAPHY, SOILS MAP	28-33
4) STREAM CROSSINGS	34, 35
5) DETAILS	36, 37

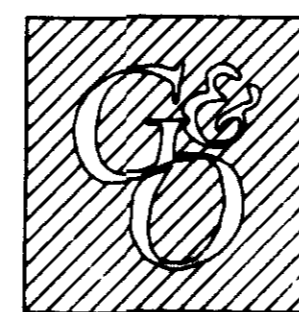
#### ADDRESS CHART

LOT NUMBER	STREET ADDRESS
-	8,000 COLUMBIA PIKE (RTE. 29)

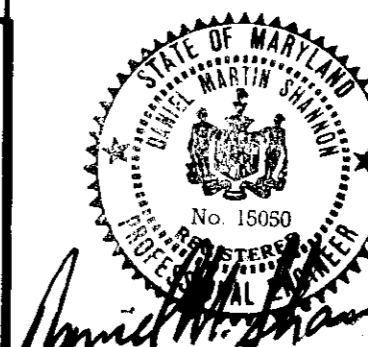
#### PERMIT INFORMATION BLOCK

SUBDIVISION NAME		SECT. / AREA	LOT / PARCEL #		
PEPCO					
PLAT # OR L/P	BLOCK #	ZONE	TAX/ZONE MAP	ELEG. DISTRICT	CENSUS TR.
	4	R-20	46	6	6062
WATER CODE			SEWER CODE		

BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800 © Latest Date H.



DESIGN: SAA  
DRAWN: CADD  
CHECK: DMS  
DATE: 9-30  
FILE NO.: R-2490-X  
SDP-91-58

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James Boyd* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS  
*James J. Lewis* 3/27/91  
DIRECTOR DATE  
*James J. Lewis* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING  
*David W. Shuman* 4/3/91  
PLANNING DIRECTOR DATE  
*David W. Shuman* 4/3/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:  
\* I / WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*David W. Shuman* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
\* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*David W. Shuman* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*John R. Robinson* 3/15/91  
DATE  
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robinson* 3/15/91  
DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**COVER SHEET**  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

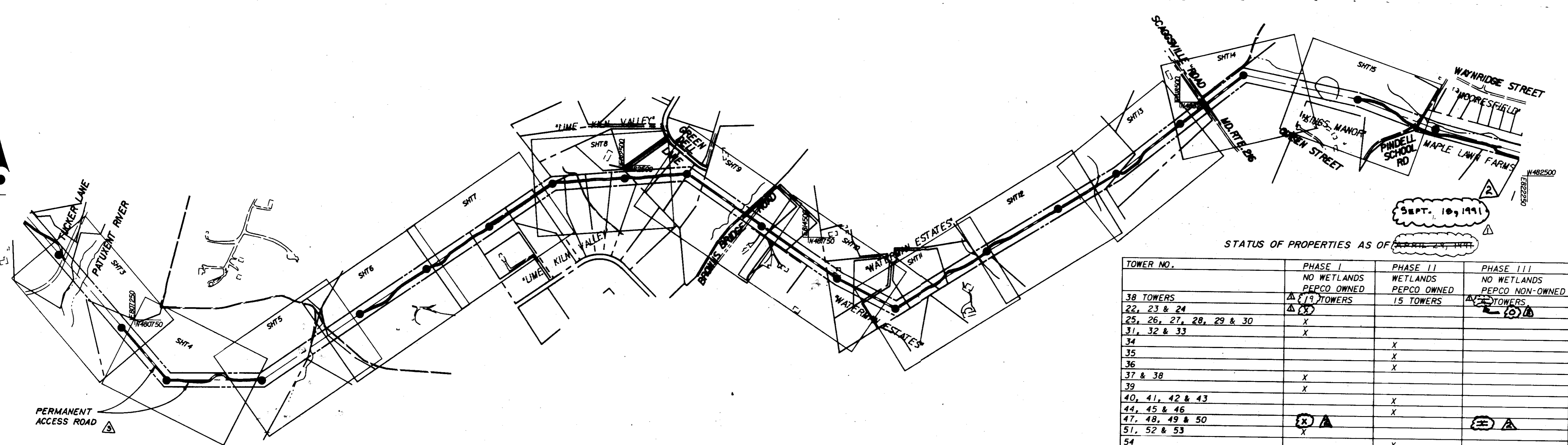
ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40.4L & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20066

SCALE	APPD	APPD	APPD	APPD
DATE	7/1/91	8/11/91	7/27/91	
DR. BY	EMP	GPC	MP	
CHKD.				
INSP.				

TL-500-295  
1 OF 37

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							



STATUS OF PROPERTIES AS OF 9-18-91

TOWER NO.	PHASE I NO WETLANDS PEPCO OWNED	PHASE II WETLANDS PEPCO OWNED	PHASE III NO WETLANDS PEPCO NON-OWNED
38 TOWERS	Δ (13) TOWERS	15 TOWERS	Δ (10) TOWERS
22, 23 & 24	Δ (3)		Δ (2)
25, 26, 27, 28, 29 & 30	X		
31, 32 & 33	X		
34	X	X	
35		X	
36		X	
37 & 38	X		
39	X		
40, 41, 42 & 43		X	
44, 45 & 46		X	
47, 48, 49 & 50	⊗ Δ		⊗ Δ
51, 52 & 53	X		
54		X	
55	X		
56, 57, 58 & 59		X	

CONSTRUCTION PHASE SEQUENCE

PEPCO CONSTRUCTION SEQUENCE IS DEPENDENT UPON APPROVAL OF CORPS OF ENGINEER WETLANDS PERMIT AND UPON OBTAINING LEGAL OWNERSHIP OF THE PROPERTY. EACH PHASE SHALL BE INDEPENDENT OF ANY OTHER PHASES.

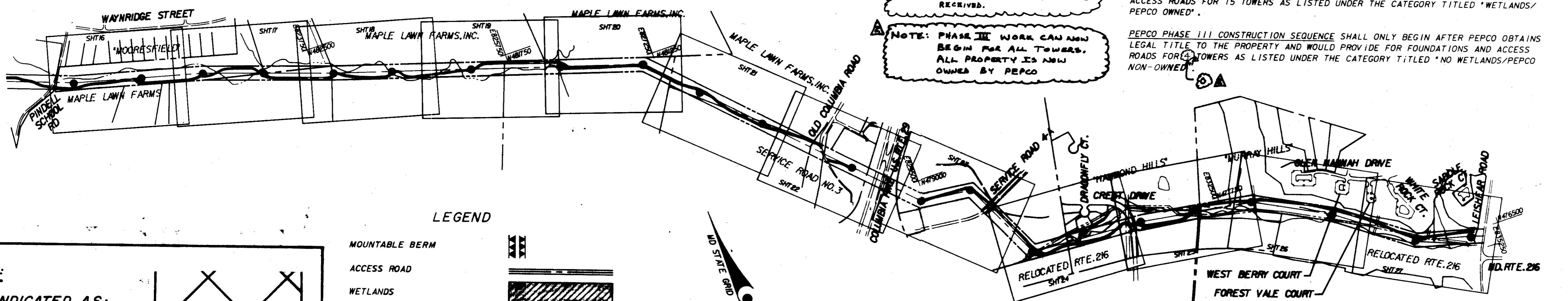
PEPCO PHASE I CONSTRUCTION SEQUENCE SHALL PROVIDE FOR FOUNDATIONS AND ACCESS ROADS FOR (13) TOWERS AS LISTED BELOW UNDER THE CATEGORY TITLED "NO WETLANDS/PEPCO OWNED".

PEPCO PHASE II CONSTRUCTION SEQUENCE SHALL ONLY BEGIN AFTER ISSUANCE OF THE CORPS OF ENGINEER WETLANDS PERMIT AND WOULD PROVIDE FOR FOUNDATIONS AND ACCESS ROADS FOR 15 TOWERS AS LISTED UNDER THE CATEGORY TITLED "WETLANDS/PEPCO OWNED".

PEPCO PHASE III CONSTRUCTION SEQUENCE SHALL ONLY BEGIN AFTER PEPCO OBTAINS LEGAL TITLE TO THE PROPERTY AND WOULD PROVIDE FOR FOUNDATIONS AND ACCESS ROADS FOR (10) TOWERS AS LISTED UNDER THE CATEGORY TITLED "NO WETLANDS/PEPCO NON-OWNED".

NOTE: PHASE II WORK CAN NOW BEGIN. CORPS OF ENGINEERS "WETLANDS PERMIT" #91-0074-S RECEIVED.

NOTE: PHASE III WORK CAN NOW BEGIN FOR ALL TOWERS. ALL PROPERTY IS NOW OWNED BY PEPCO.



LEGEND

- MOUNTABLE BERM
- ACCESS ROAD
- WETLANDS
- R/W
- PROPOSED TOWER
- EXISTING TOWER
- PROPOSED POLE
- ☉ OF PROPOSED TRANSMISSION LINE
- LIMIT OF DISTURBANCE
- SILT FENCE
- A-1 EARTH DIKE
- 15-25% SLOPE
- 25% SLOPE
- EX. INDEX. CONTOURS
- EX. INTER. CONTOURS
- STABILIZED CONSTR. ENTRANCE

NOTE: AREA INDICATED AS NOT TO BE INCLUDED IN APPROVAL REQUESTED

9-18-91

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
LABELLED PERMANENT ACCESS ROADS: G40 11-21-91						
UPDATE "STATUS OF PROPERTIES TO 9-18-91 AND CONST. PHASE SEQUENCE" CUB. 010-10-25-91						
UPDATE "STATUS OF PROPERTIES TO 9-18-91 AND CONSTRUCTION SEQ." CUB. 010-10-25-91						

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
16020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3880

ANAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FARFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joey W. Boyle* 4-27-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. Lane* 3/27/91  
DIRECTOR DATE

*James J. Lane* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*James J. Lane* 4/9/91  
PLANNING DIRECTOR DATE

*James J. Lane* 4/9/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:

*Dan Hanna* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

*Daniel M. Hanna* 3-11-91  
SIGNATURE OF ENGINEER (M/15050) DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*Daniel M. Hanna* 3/15/91  
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

*John P. Robinson* 3/15/91  
DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**INDEX SHEET**  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC  
ELECTION DISTRICT 1 & 5

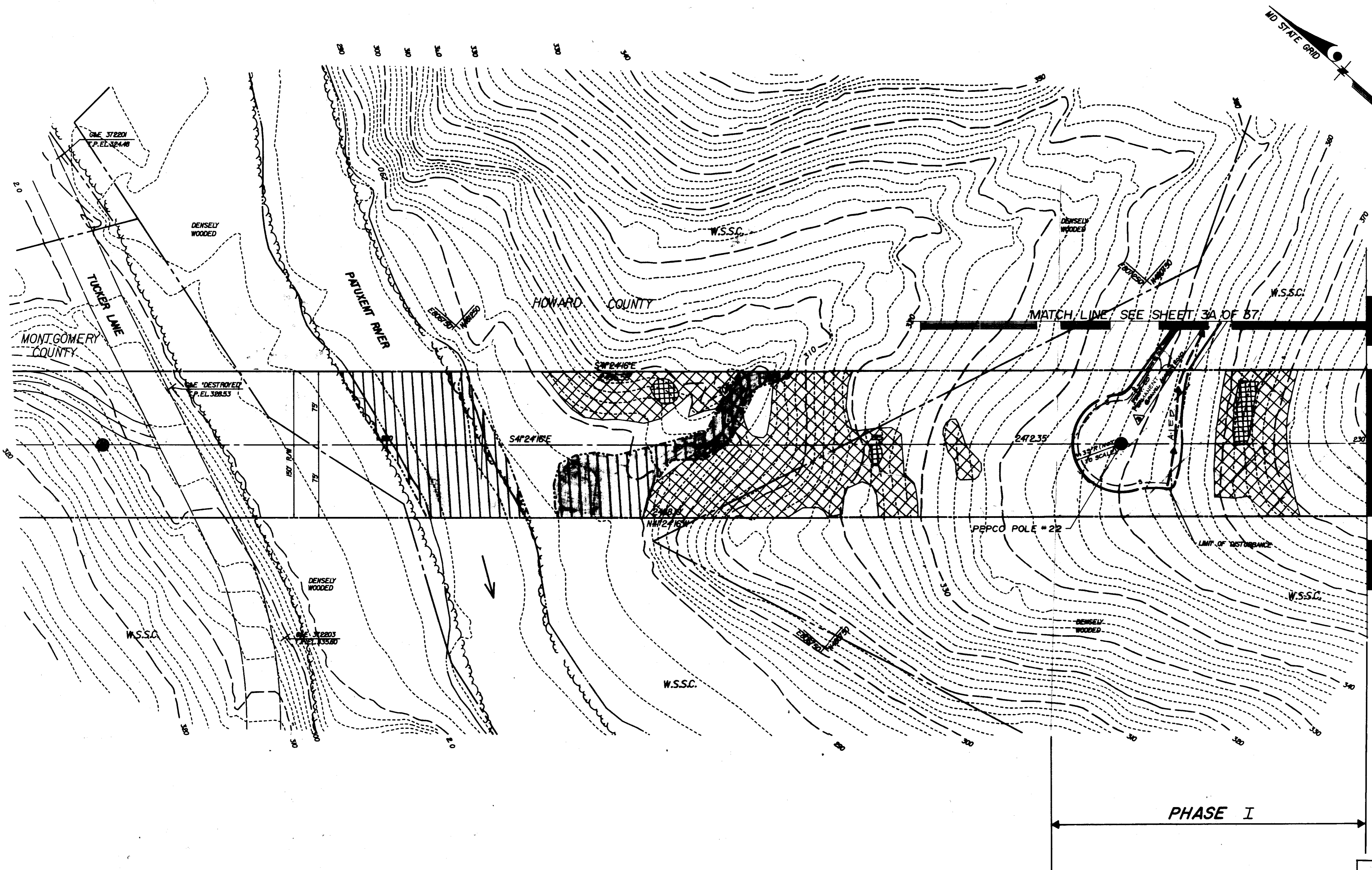
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41 & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W., WASHINGTON, D.C. 20068

SCALE: P-600	APPD: APPD	APPD: APPD	APPD: APPD
DATE: AUG. 90	9-11-90	9-11-90	9-11-90
DR. BY: RWP	GAC	EST	
CHKD:			
INSP:			

TL-500-295  
2 OF 37

DESIGN: SAA DRAWN: CAUD  
DATE: 9-90 FILE NO: R-2490-X  
SDP-91-58



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*John M. Boyle* 4-2-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. Kelly* 3/27/91  
DIRECTOR DATE  
*James J. Kelly* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James J. Kelly* 4/9/91  
PLANNING DIRECTOR DATE  
*James J. Kelly* 4/9/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH  
SEDIMENT CONTROL

BY THE DEVELOPER:  
\* I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.\*

*James J. Kelly* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
\* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.\*

*David M. Blum* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS.  
*John R. Robinson* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION AND SEDIMENT CONTROL BY  
THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robinson* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
MISS UTILITY AT 1-800-257-7777 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 220+00 TO 230+00  
PEPCO POLE #22  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R.R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20066

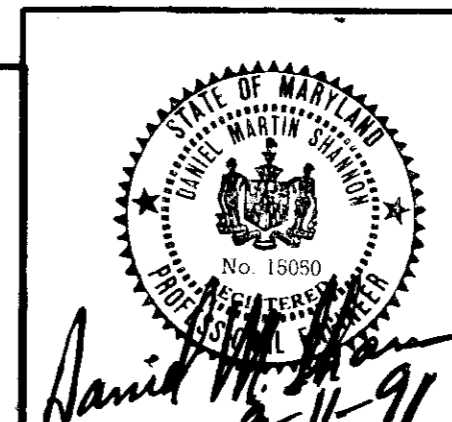
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DATE	AUG. 90	9-11-90	9-11-90	9-11-90	9-11-90	9-11-90	TL-500-295
DR. BY		JMB	GRC	EBM			3 OF 37
CHKD.							
INSP.							

DESIGN: SAA DRAWN: CAG CHECK: DMS DATE: 9-90 FILE NO. R-2490-X  
SDP-91-58

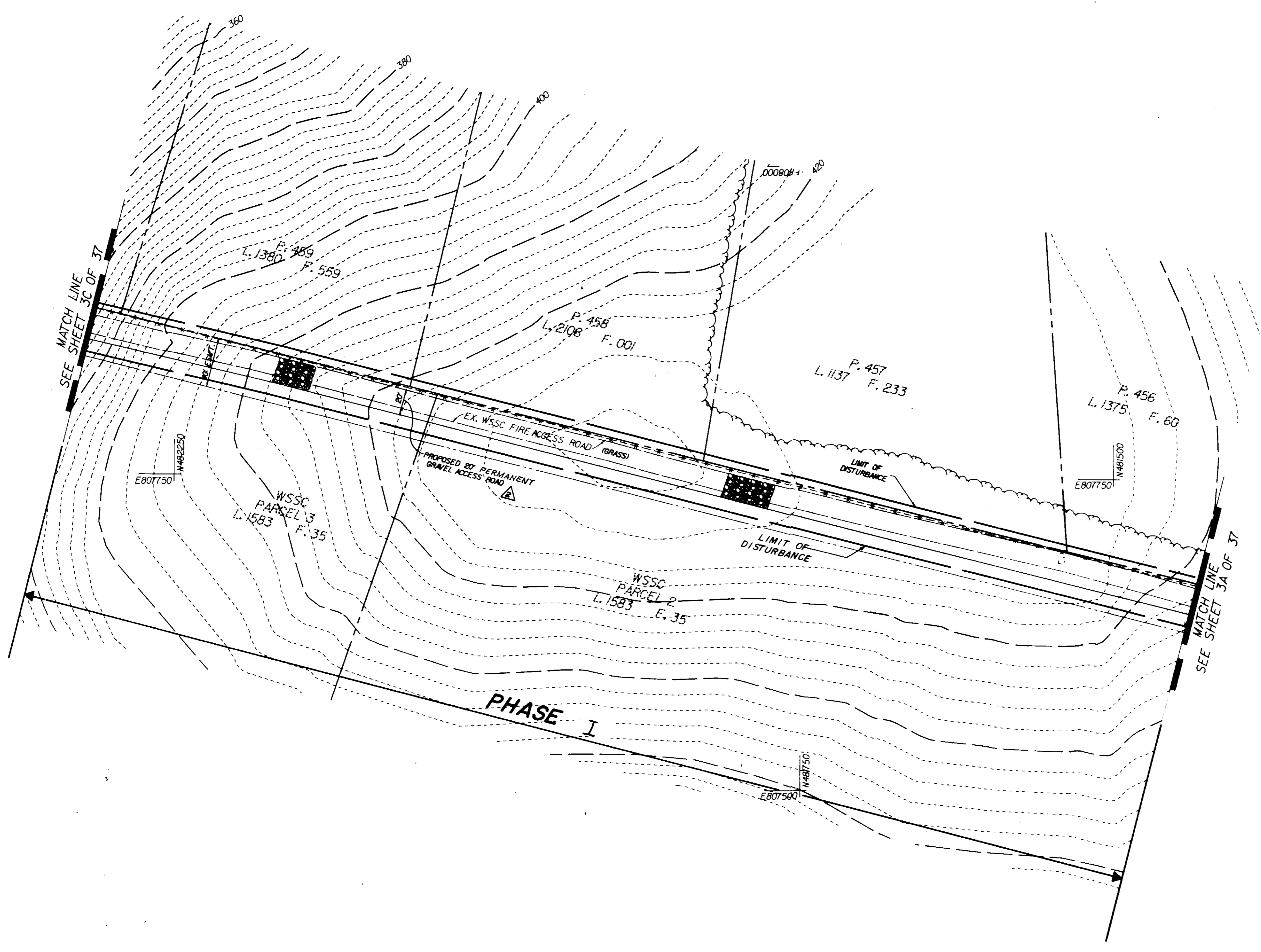
NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
1	CHANGED TEMP. ACCESS ROAD TO PERMANENT ROAD. G40 11-21-91							
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. 2/8, 2/9, 4-17-91							
3	REV. PER. HOWARD COUNTY S.C.D. 10-30-90							

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3300 © Latest Date Hereon  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL

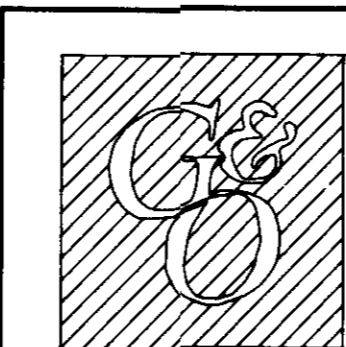




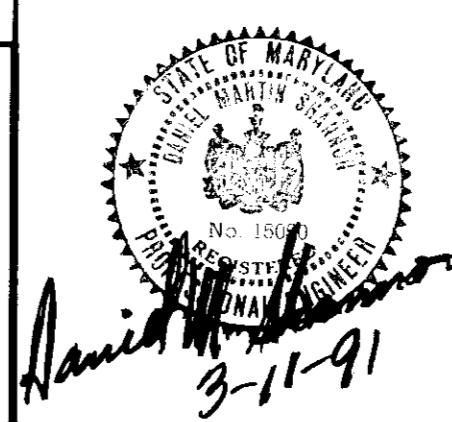


BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO EXCAVATION

NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
1	CHANGED TEMP. ACCESS ROAD TO PERMANENT ROAD. 840 11-21-91							
1	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. 6/8, 6/10, 1-17-91							
REVISIONS								



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 113 WEST ROAD, SUITE 208  
 BALTIMORE, MD. 21204  
 (301)298-4100 © LATEST DATE HEREON  
 ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • ROCKVILLE, MD • TAMPA, FL • WEST PALM BEACH, FL



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Joseph M. Boyd* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
*James G. Shaw* 3/27/91  
 DIRECTOR DATE  
*James G. Shaw* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*James G. Shaw* 4/9/91  
 PLANNING DIRECTOR DATE  
*James G. Shaw* 4/9/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:  
 \* I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.  
*David M. Shannon* 3-11-91  
 SIGNATURE OF DEVELOPER

BY THE ENGINEER:  
 \* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*David M. Shannon* 3-11-91  
 SIGNATURE OF ENGINEER

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*James G. Shaw* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Blanton* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL FOR ACCESS ROAD THRU WSSC PROPERTY FOR POLES #22, #23 & #24

**500 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT**

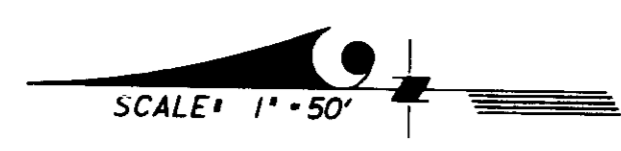
ZONE: R,R-20, R-SC  
 ELECTION DISTRICT 1 & 5  
 HOWARD COUNTY, MARYLAND  
 ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20065

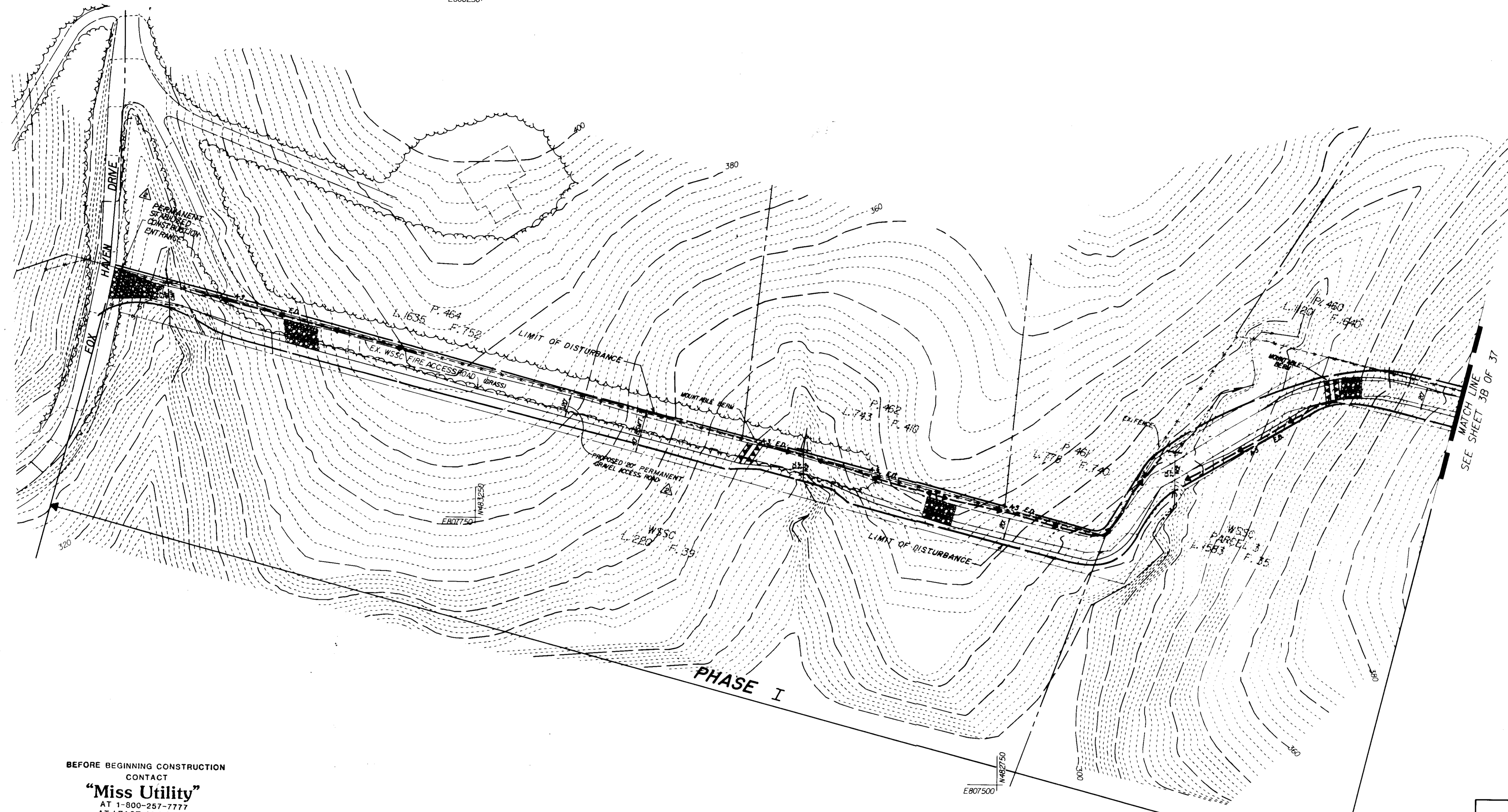
SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	11-90	1-8-91	1-8-91		
DR. BY	CADD	RWP	GR		
CHKD.					
INSP.					

TL-500-295  
 SHEET 3B OF 37

DESIGN: DRAWN: CHK: DATE: FILE NO.



E808250  
1W483250



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph Boyle* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC WORKS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Shaw* 3/27/91  
DIRECTOR DATE  
3-27-91 DATE  
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James Smith* 4/9/91  
PLANNING DIRECTOR DATE  
*David S. Coughlin* 3/11/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION  
WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY  
RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION  
PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A  
DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING  
PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION  
BEFORE BEGINNING THE PROJECT.

*Shirley Winkler* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT  
CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED  
ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT  
IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF  
THE HOWARD COUNTY CONSERVATION DISTRICT.

*Daniel W. Hamon* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Dahn* 3/15/91  
S.C.D. CONSERVATION DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION AND SEDIMENT CONTROL BY  
THE HOWARD COUNTY CONSERVATION DISTRICT.  
*John K. Hunter* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
MISS UTILITY AT 1-800-257-7777 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL FOR  
ACCESS ROAD THRU WSSC PROPERTY  
FOR POLES #22, #23 & #24  
**500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT**

ZONE: R-R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20065

SCALE	1" = 50'	APPD	APPD	APPD	APPD
DATE	11-90	1-8-91	1-2-91		
DR. BY	CADD	APP	APP		
ENGR.					
INSP.					

TL-500-295  
SHEET 30 OF 37

BEFORE BEGINNING CONSTRUCTION  
CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
CHANGED TEMP ACCESS ROAD TO PERMANENT ROAD AND STABILIZED CONST. ENTRANCE TO PERMANENT STABILIZED CONST. ENTRANCE. (S&C 11-21-91)							
CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. CIV. G.I.O. 4-17-91							

REVISIONS

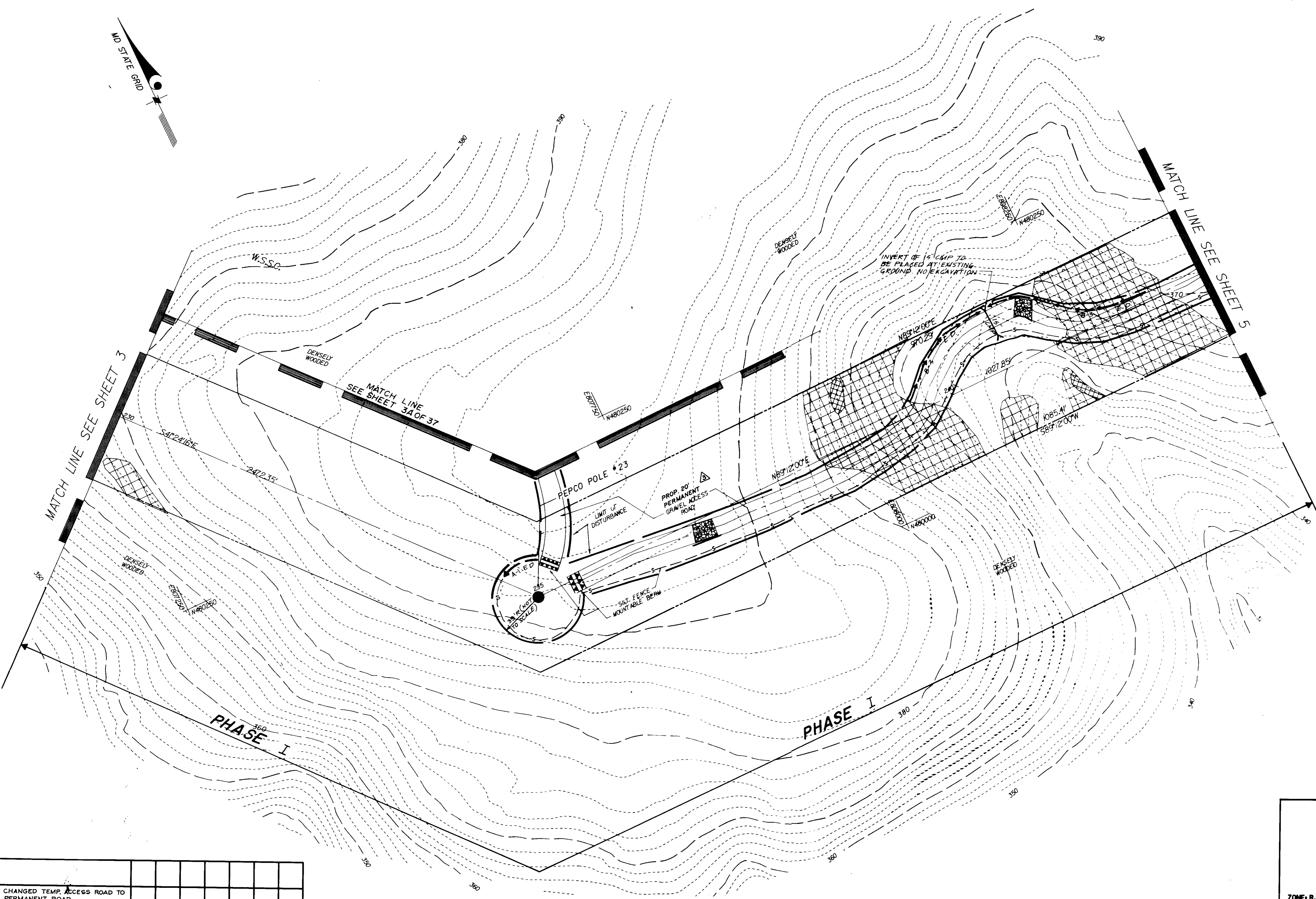
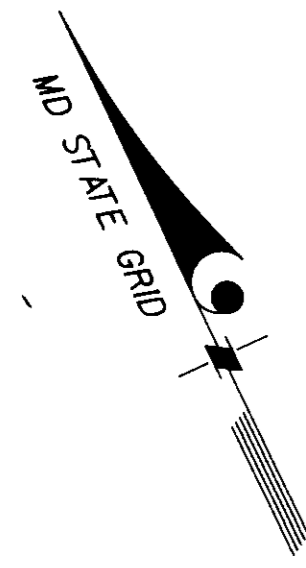
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800 © LATEST DATE HEREON

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



*Daniel W. Hamon*  
3-11-91



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Joseph M. Boyd* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
*James J. Lewis* 3/27/91  
 DIRECTOR DATE  
*John R. Kelly* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE 3H

APPROVED: HOWARD COUNTY DEPARTMENT OF  
 PLANNING & ZONING  
*James R. Smith* 4/2/91  
 PLANNING DIRECTOR DATE  
*Robert A. DeCarolis* 4/15/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE 4H  
 SEDIMENT CONTROL

BY THE DEVELOPER:  
 \* I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION  
 WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY  
 RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION  
 PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A  
 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM  
 FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE  
 BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC  
 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION  
 DISTRICT.  
*Blumstein* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 \* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT  
 CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED  
 ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT  
 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HOWARD SOIL CONSERVATION DISTRICT.  
*Daniel M. Shannon* 3-11-91  
 SIGNATURE OF ENGINEER MD 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
 AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Hahn* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
 SOIL EROSION AND SEDIMENT CONTROL BY  
 THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. Reuter* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
 MISS UTILITY AT 1-800-257-7777 AT LEAST  
 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
 STA. 230+00 TO 243+00  
 PEPCO POLE #23  
 600 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC  
 ELECTION DISTRICT 1 & 5  
 HOWARD COUNTY, MARYLAND  
 ZONING / TAX MAPS 40, 41 & 46

POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W., WASHINGTON, D.C. 20058

SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	AUG. 90	1-11-91	7-17-90	11-11-90	
DR. BY		ENP	GPC	FST	
CHKD.					
INSP.					
DESIGN	SAA	DRAWN	CAUD	CHKD	DMS
DATE	9-90				
R-2490-X					
FILE NO.					

TL-500-295  
 4 OF 37

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
1 CHANGED TEMP ACCESS ROAD TO PERMANENT ROAD. 040 11-21-91							
2 CROSS HATCHING REMOVED. SEE PHASE I NOTE, SHEET 2 OF 37. CIB, GIO, 4-17-91							
3 REV. PER HOWARD COUNTY S.C.D. 10-30-90							

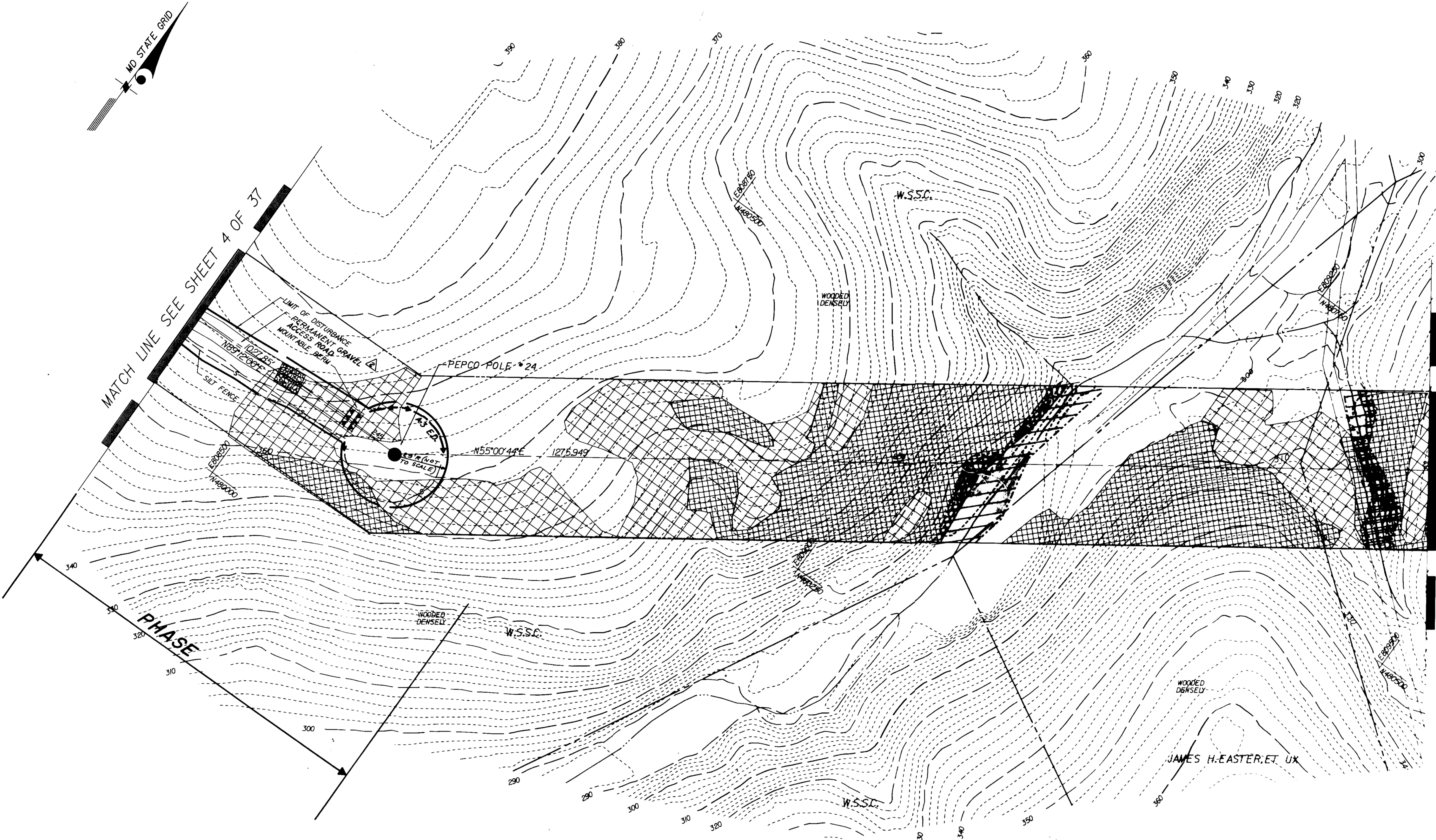
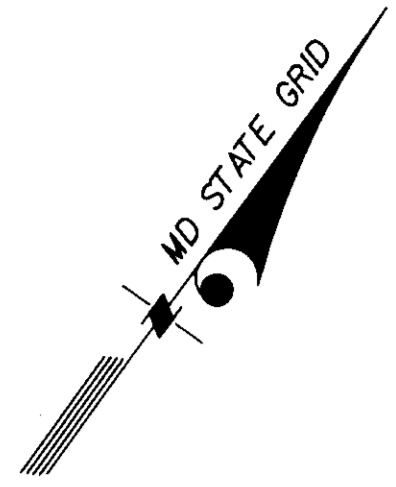
BEFORE BEGINNING CONSTRUCTION CONTACT  
 "Miss Utility"  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO CONSTRUCTION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 16020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3600

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FARFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



BALTBH2 REVISIONS



MATCH LINE SEE SHEET 6

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph W. Bond* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Shuman* 3/27/91  
DIRECTOR DATE  
*William E. Casey* 3-22-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*David Smith* 4/10/91  
PLANNING DIRECTOR DATE  
*Frank J. P. Taylor* 4/1/91  
CHIEF, DIV. OF COMMUNITY PLANNING AND DEVELOPMENT DATE WZ

BY THE DEVELOPER:  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT SHALL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Debra Peters* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Daniel M. Shannon* 3-11-91  
SIGNATURE OF ENGINEER 71715050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENT  
*John K. Rehner* 3/15/91  
J. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. Rehner* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

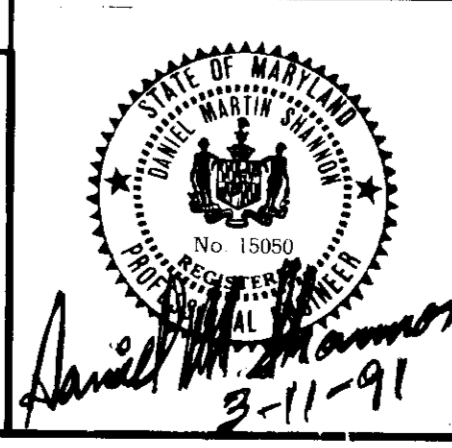
**SEDIMENT CONTROL PLAN**  
STA. 243+00 TO 255+00  
PEPCO POLE #24  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**  
ZONE: R.R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40,41, & 46

**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068  
SCALE: 1"=50'  
DATE: AUG. 90  
DR. BY: RWP  
CHKD.: GAC  
INSP.: FBJ  
DESIGN: SAA  
DRAWN: CAUD  
DATE: 9-90  
FILE NO.: R-2490-X  
5 of 37  
SOP-91-58

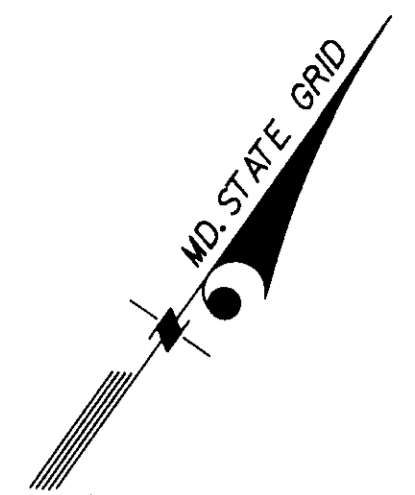
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CHANGED TEMP. ACCESS ROAD TO PERMANENT ROAD. GDO. 11-21-91							
CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. GVB. 6/10, 4-17-91							
BALTBH3							

BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
16020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL

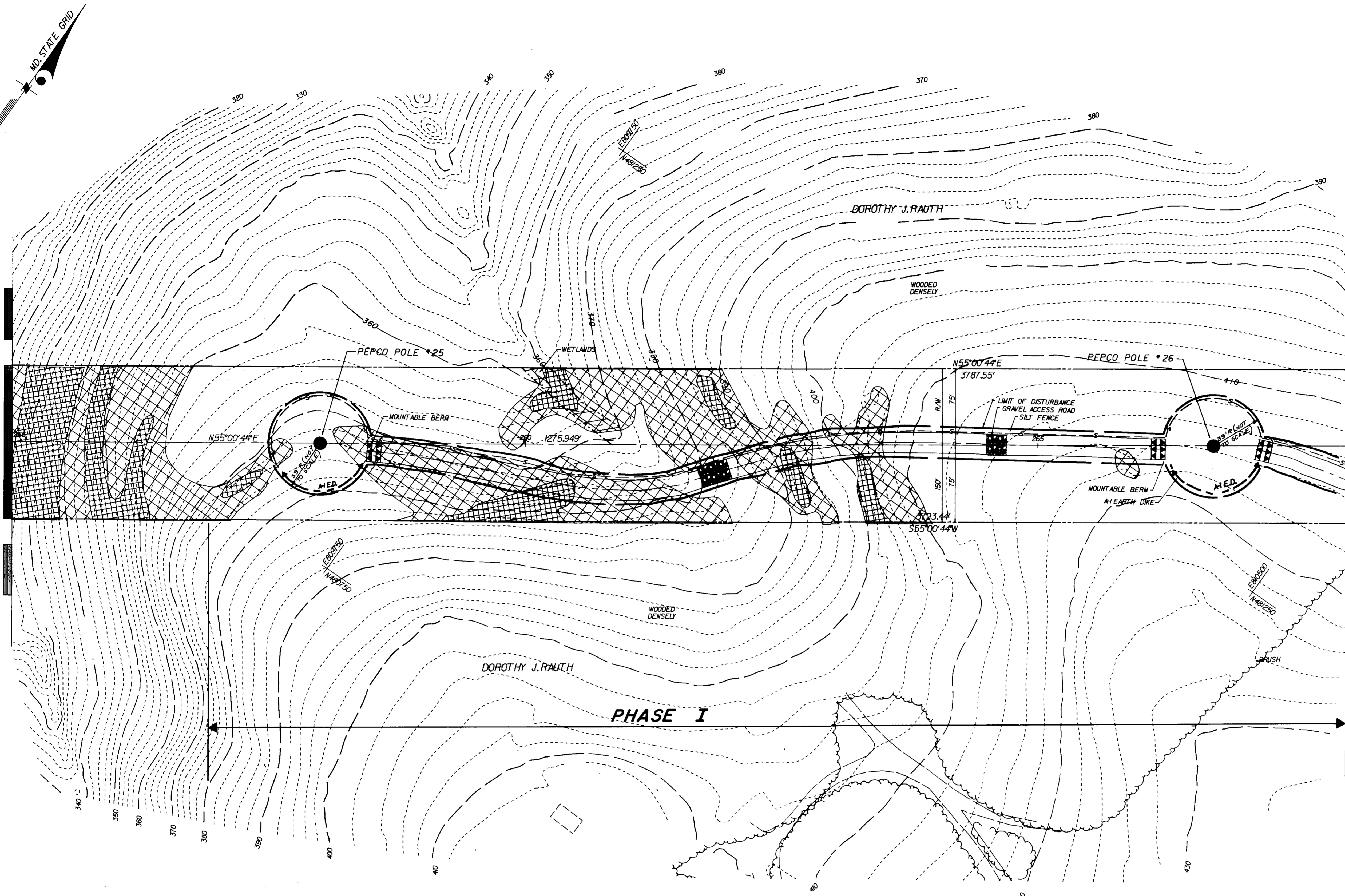






MATCH LINE SEE SHEET 5

MATCH LINE SEE SHEET 7



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph Boyd* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. ...* 3/27/91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*...* 4/6/91  
PLANNING DIRECTOR DATE  
*...* 3/15/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER:  
"I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*Daniel M. Shannon* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS.  
*...* 3/15/91  
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION AND SEDIMENT CONTROL BY  
THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. ...* 3/15/91  
DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
MISS UTILITY AT 1-800-257-7777 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 255+00 TO 268+00  
PEPCO POLE #25 & #26  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**  
ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 4L & 46

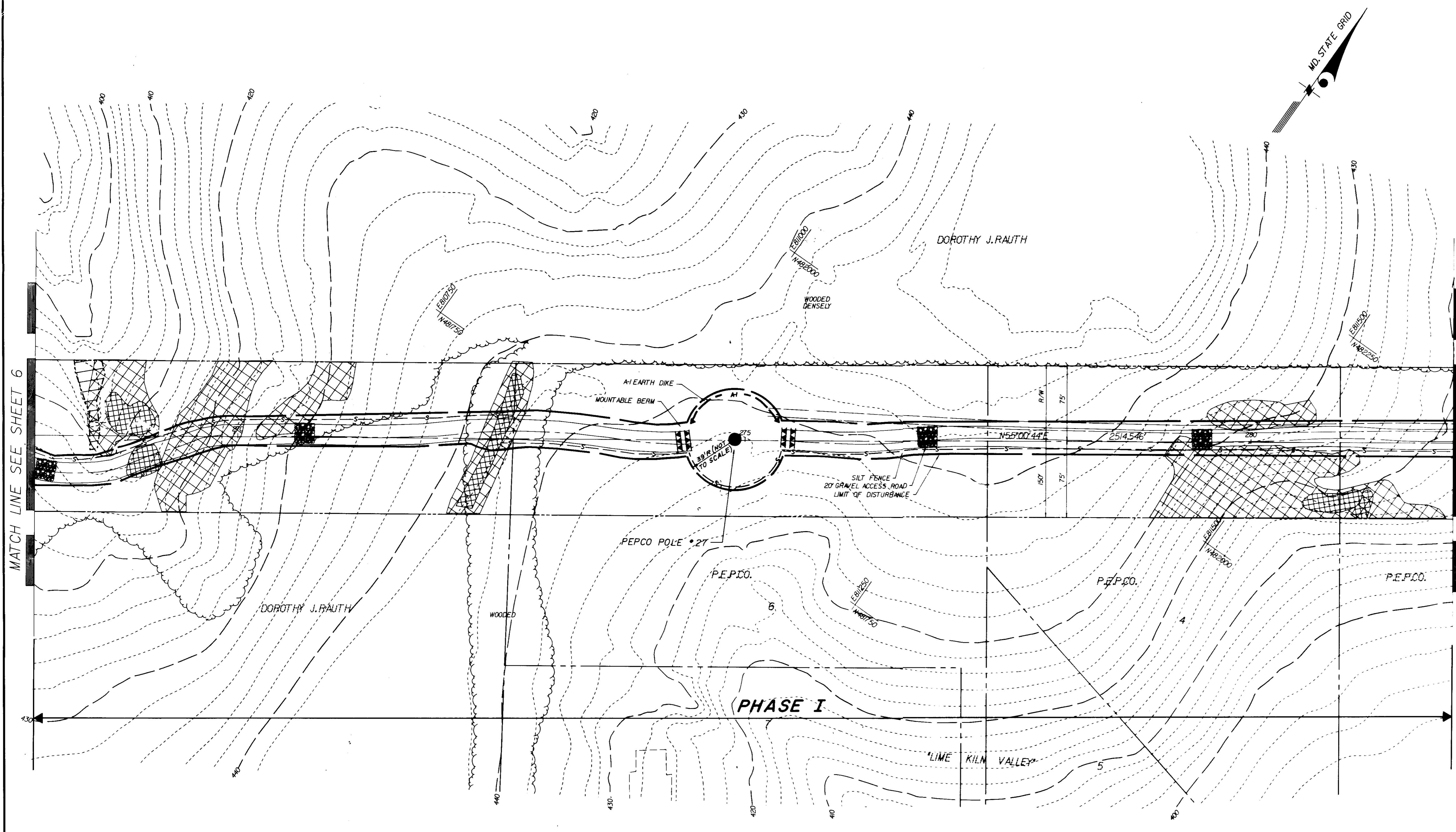
DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
BALTBH4							

BEFORE BEGINNING CONSTRUCTION  
CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO CONSTRUCTION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800 ©Latest Date Hereon  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068  
SCALE: 1"=50'  
DATE: AUG. 90  
DR. BY: RUP  
CHKD.: GRC  
INSP.: EBR  
DESIGN: SAA  
DRAWN: CAIDU  
CHKD.: DMS  
DATE: 9-90  
FILE NO.: R-2490-X  
SDP-91-58



MATCH LINE SEE SHEET 6

MATCH LINE SEE SHEET 8

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph B. ...* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. ...* 3/27/91  
DIRECTOR DATE  
*William B. ...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE **JM**

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James ...* 4/1/91  
PLANNING DIRECTOR DATE  
*Charles ...* 3/2/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE **JM**

SEDIMENT CONTROL

BY THE DEVELOPER:  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*David ...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*David ...* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS.  
*James ...* 3/15/91  
CHIEF, SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-1777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

SEDIMENT CONTROL PLAN  
STA. 267+70 TO 282+00  
PEPCO POLE \*27

500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

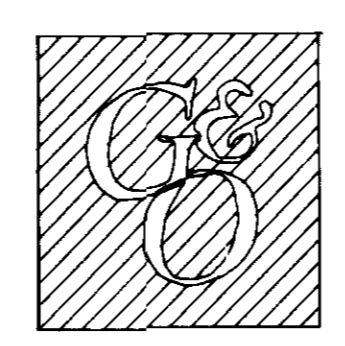
ZONE: R/R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41, & 46


POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20065

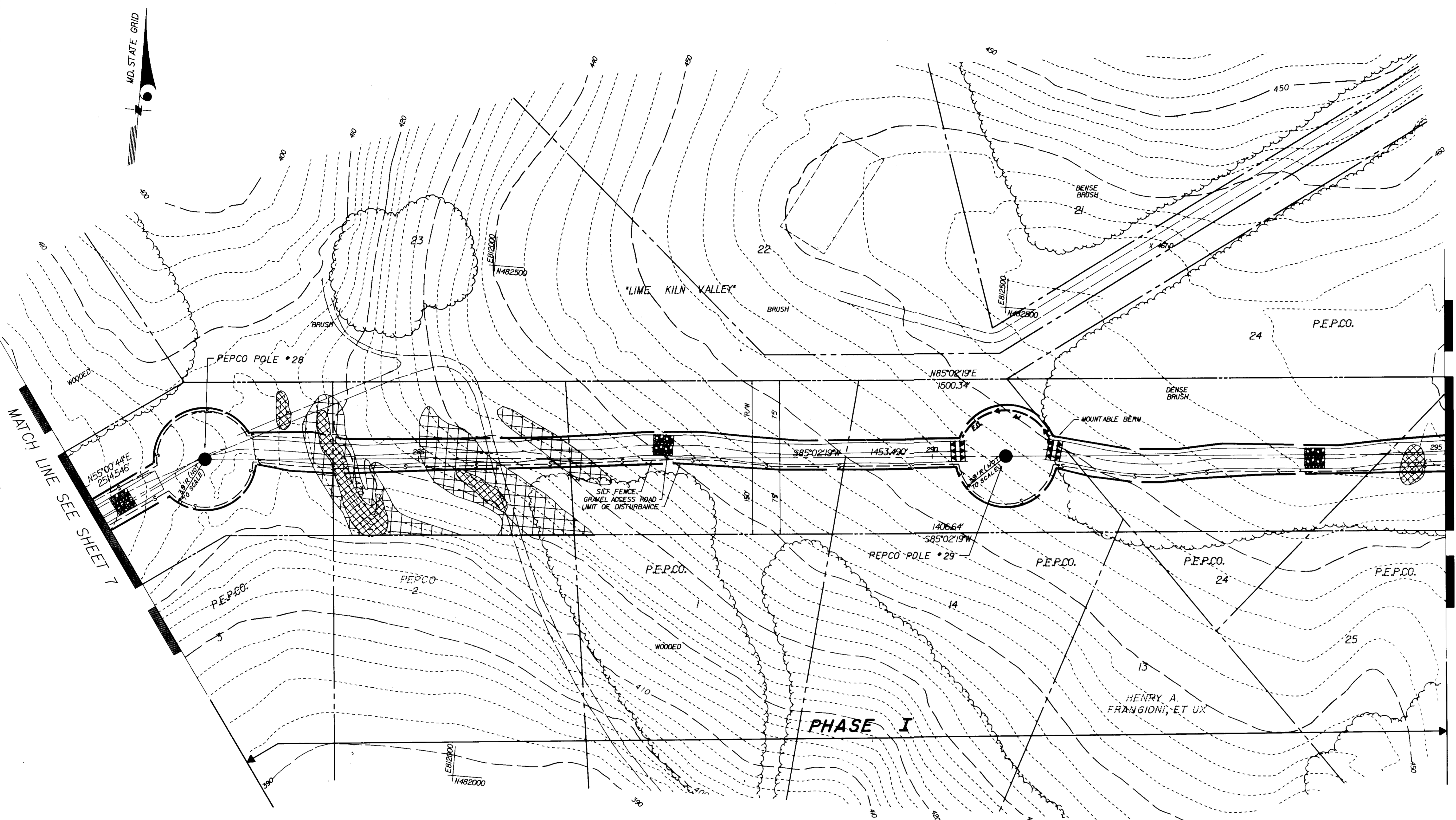
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DATE	AUG. 90	1-8-91	1-8-91	1-8-91	
DR. BY		EW	EW		
CHKD.					
INSP.					

DESIGN: DRAWN: CHK: DATE: FILE NO. R-2490-X

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
BALTB5							
REVISIONS							


**GREENHORNE & O'MARA, INC.**  
 ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3880  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL

  
 3-11-91



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joyce Boyd* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Shaw* 3/27/91  
DIRECTOR DATE  
*McEwen P. Ray* 2-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*James P. Shaw* 4/9/91  
PLANNING DIRECTOR DATE  
*Charles S. D'Amico* 2/8/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JS

BY THE DEVELOPER:  
"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. Han* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. Han* 3-11-91  
REGISTERED PROFESSIONAL ENGINEER No. 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*James Mottola* 3/15/91  
LOCAL SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. Rhett* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 281+80 TO 295+00  
PEPCO POLES \*28 & \*29  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC ELECTION DISTRICT 1 & 5 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	AUG. 90	4/1/91	5/1/91	5/13/91	
DR. BY		RWP	GTC	FBR	
CHKD.					
INSP.					

TL-500-295  
8 of 37

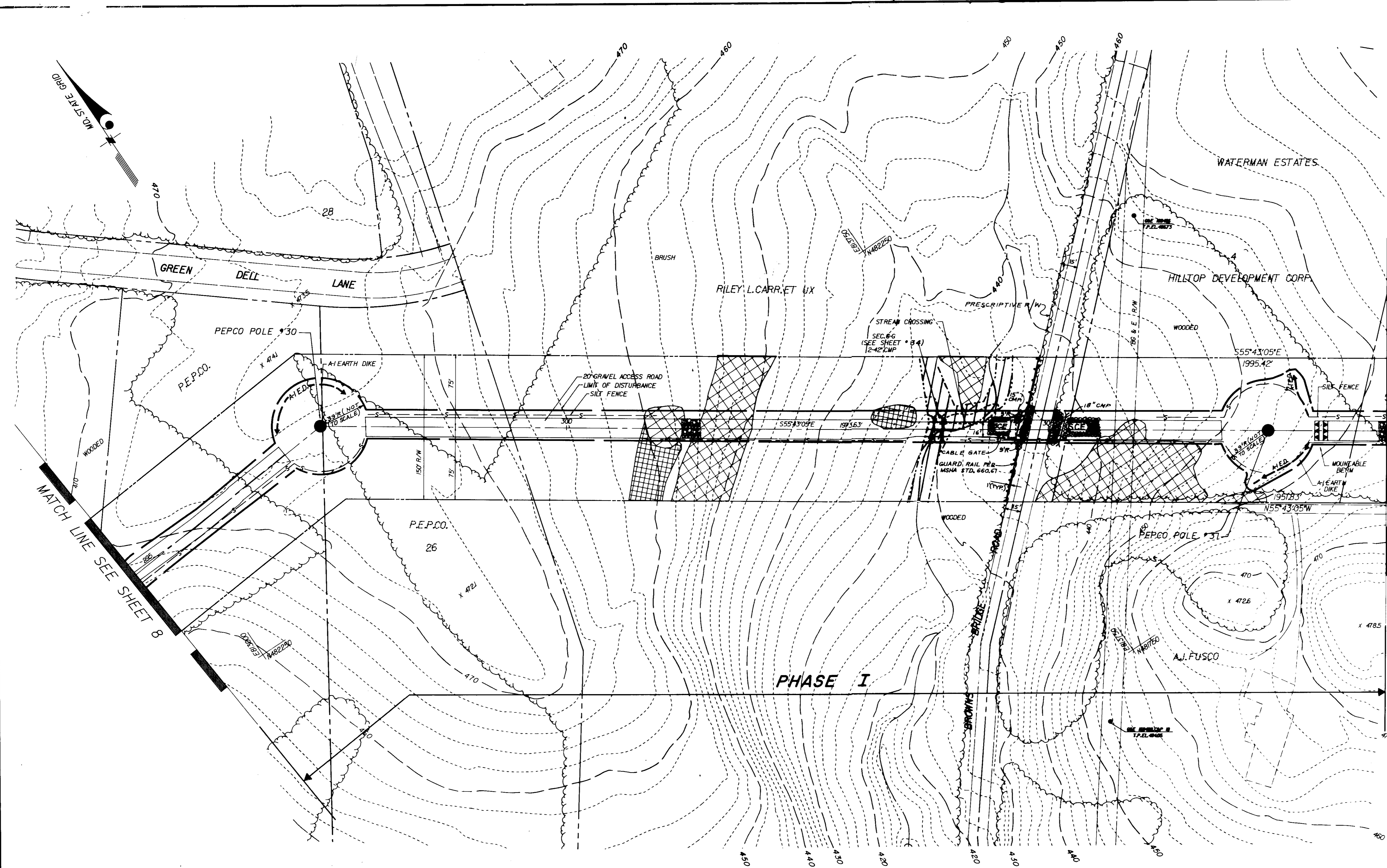
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DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD	APPD	APPD
BALTB6									

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850 ©Latest Date Hereon  
(301) 738-3800  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Janet R. Bodin* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
*James P. Han* 3/27/91  
 DIRECTOR DATE  
*William B. Rasmussen* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
 PLANNING & ZONING  
*James P. Han* 4/9/91  
 PLANNING DIRECTOR DATE  
*Paula S. J. Boyle* 4/16/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH  
 SEDIMENT CONTROL

BY THE DEVELOPER:  
 "I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION  
 WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY  
 RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION  
 PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A  
 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM  
 FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE  
 BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC  
 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION  
 DISTRICT."

*James P. Han* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT  
 CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED  
 ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT  
 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HOWARD SOIL CONSERVATION DISTRICT."

*Daniel W. Shann* 3-11-91  
 SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
 AND MEETS TECHNICAL REQUIREMENTS.  
*James P. Han* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
 SOIL EROSION AND SEDIMENT CONTROL BY  
 THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. Rhoton* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
 MISS UTILITY AT 1-800-257-7777 AT LEAST  
 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
 STA. 295+00 TO 308+50  
 PEPSCO POLES #30 & #31  
 500 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	F-50	APPD	APPD	APPD	APPD
DATE	AUG. 90	7-11-90	7-11-90	9/12/90	
DR. BY		RWP	GP	RWP	
CHKD.					
INSP.					

TL-500-295  
9 of 37

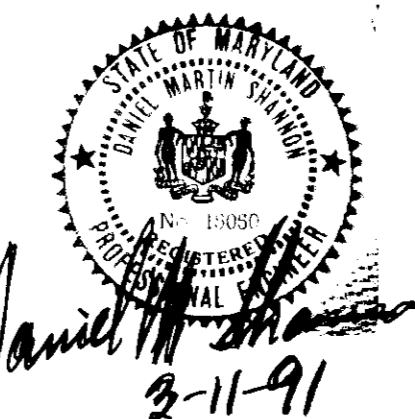
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SDP-91-58

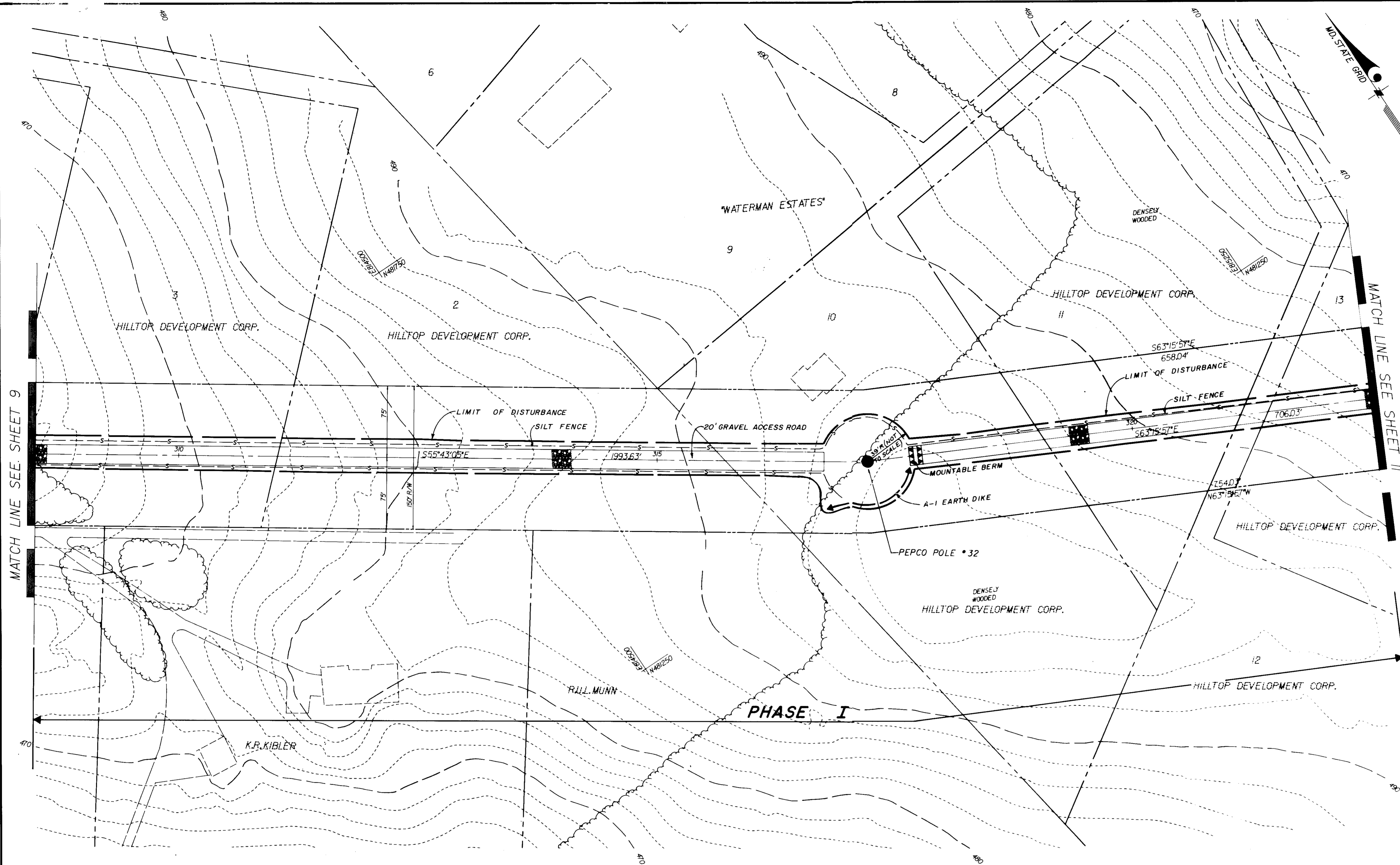
DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
BALBHT							

REVISIONS

BEFORE BEGINNING CONSTRUCTION  
 CONTACT  
**"Miss Utility"**  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3880 ©Latest Date Hereon  
 ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





MATCH LINE SEE SHEET 9

MATCH LINE SEE SHEET 11

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Jogelyn Bogun* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
*James J. Lee* 3-27-91  
 DIRECTOR DATE  
*William J. Bane* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*James J. Lee* 4/2/91  
 PLANNING DIRECTOR DATE  
*Mark S. D. Bayler* 4/2/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER:  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY REQUIRED PERMITS, INCLUDING THE 20% EROSION CONTROL PLAN, SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. I AM AWARE OF THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING AND THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS WITH RESPECT TO THE HOWARD COUNTY CONSERVATION OF SOILS ACT.  
*D. Mastus* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION OF SOILS ACT.  
*David M. Shamus* 3-11-91  
 SIGNATURE OF ENGINEER MD 1506C DATE

REVIEWER FOR HOWARD COUNTY SOILS AND WATER RESOURCES DEPARTMENT  
*James M. Hester* 3/15/91  
 SIGNATURE OF REVIEWER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION OF SOILS ACT.  
*John L. Robertson* 3/15/91  
 HOWARD COUNTY DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

**SEDIMENT CONTROL PLAN**  
 STA. 308+50 TO 322+50  
 PEPCO POLE #32  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R-R-20, R-SC  
 ELECTION DISTRICT 1 & 5  
 HOWARD COUNTY, MARYLAND  
 ZONING / TAX MAPS 40, 41, & 46

**POTOMAC ELECTRIC POWER CO.**  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	AUG. 90	7/1/91	7/1/91	7/1/91	7/1/91
DR. BY	RWP	GP	RWP		
CHKD					
INSP.					

TL-500-295  
10 of 37

DESIGN: SAA DRAWN: CADU CHKD: JMS DATE: 3-11-91 FILE NO.: R-2490-X  
 SDP-91-58

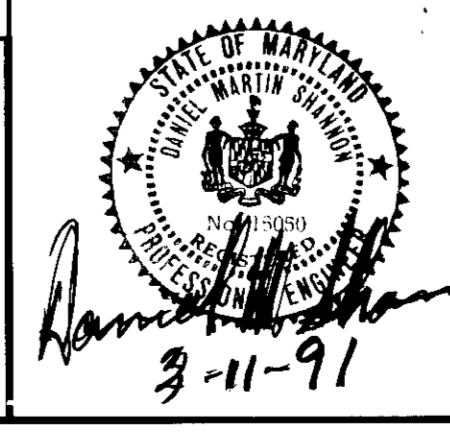
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BALTBH8							

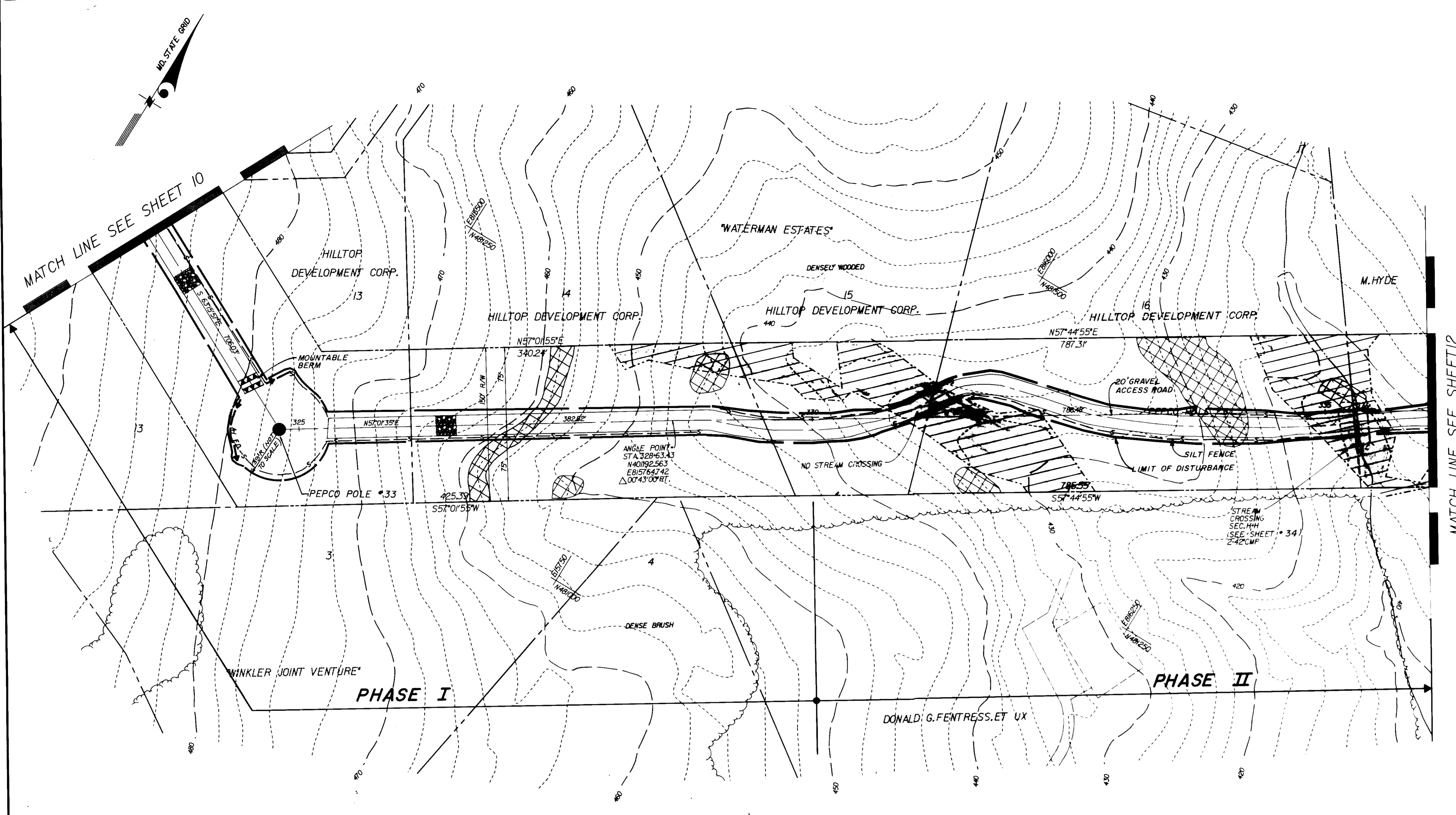
REVISIONS

BEFORE BEGINNING CONSTRUCTION, CONTACT  
**"Miss Utility"**  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3800  
 Date Hereon

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James M. Boyle* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. Lewis* 3/27/91  
DIRECTOR DATE  
*James J. Lewis* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*David R. Smith* 4/8/91  
PLANNING DIRECTOR DATE  
*David R. Smith* 4/8/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE LWS

BY THE DEVELOPER:

\* I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Donald G. Fentress* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

\* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Donald G. Fentress* 3-11-91  
SIGNATURE OF ENGINEER M.J. 5050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS:  
*John M. Blanton* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John M. Blanton* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 322+50 TO 336+00  
PEPCO POLE #33  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41 & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD	APPD	APPD	TL-500-295
DATE	AUG. 90	9-11-90	9-11-90	9-11-90	9-11-90	9-11-90	9-11-90	11 OF 37
DR. BY		RUP	GRC	EM				
CHKD.								
INSP.								
DESIGN: SAA		DRAWN: CAUJ		CHKD: DMS		DATE: 9-90		R-2490-X
								FILE NO.

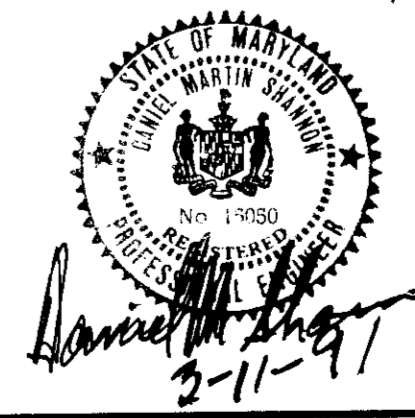
NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. - C.B. G.S. 4-10-91						
1	REV. PER. HOWARD COUNTY S.C.D. 10-30-90						

BEFORE BEGINNING CONSTRUCTION CONTACT  
**Miss Utility**  
1-800-257-7777

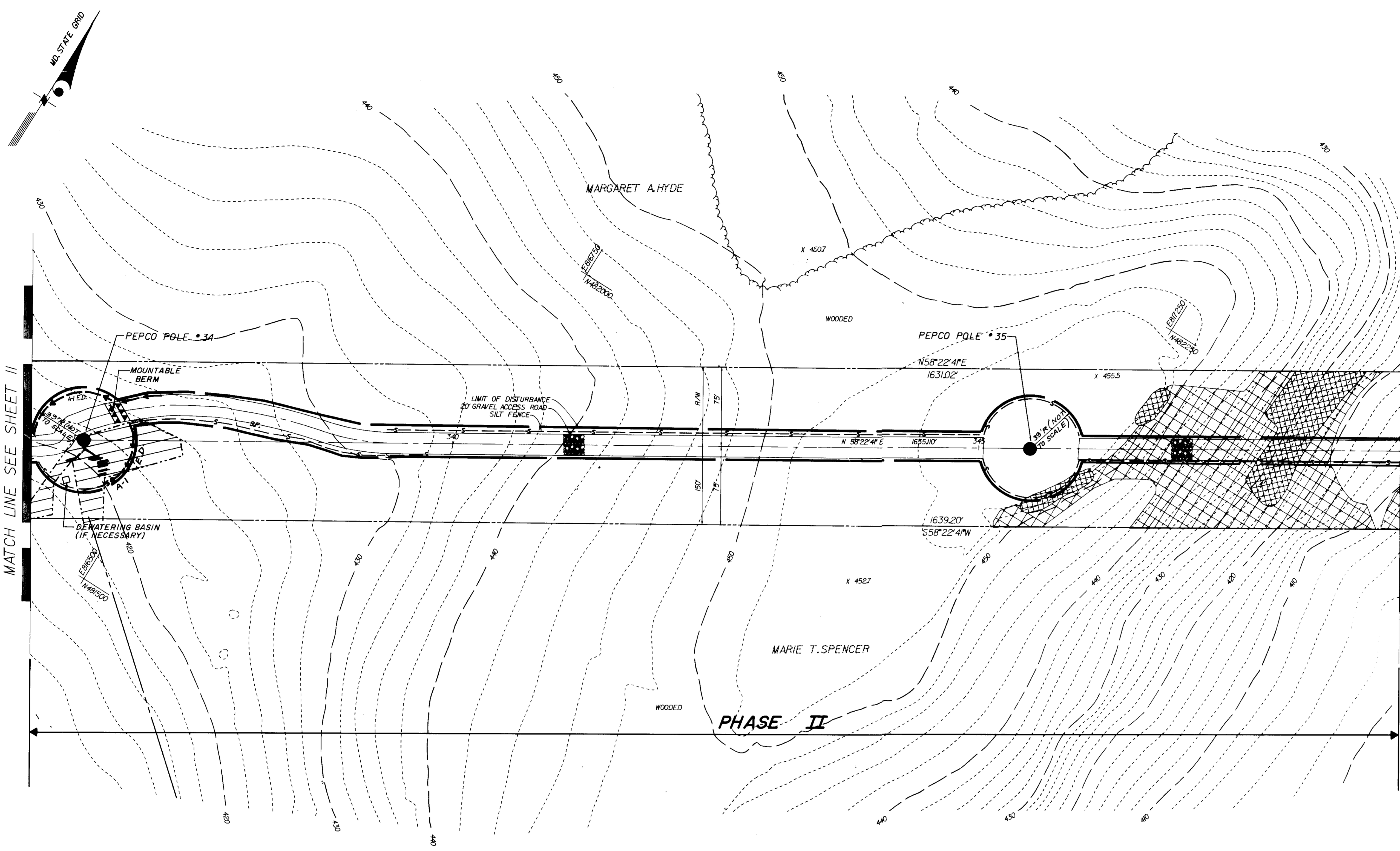
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



SDP-91-58



MATCH LINE SEE SHEET II

MATCH LINE SEE SHEET 13

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*John W. Boyd III* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Shan* 3/27/91  
DIRECTOR DATE  
*William S. Ryan* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*James P. Shan* 4/9/91  
PLANNING DIRECTOR DATE  
*Mark S. J. Campbell* 4/15/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Scott Masters* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Daniel M. Blum* 3-11-91  
SIGNATURE OF ENGINEER M.J. 5050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*James P. Shan* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John P. Blanton* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 336+00 TO 349+00  
PEPCO POLES \*34 & \*35  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R.R-20, R-SC ELECTION DISTRICT 1 & 5 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40, 41, & 46

**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD	TL-500-295
DATE	AUG. 90	9/1/90	9-11-90	9/22/90		12 OF 37
DR. BY		Rup	C-PC	EW		
CHKD.						
INSP.						
DESIGN:	SAA	DRAWN:	CAUV	CHKD:	DMS	DATE: 9-9-91
						R-2490-X FILE NO.

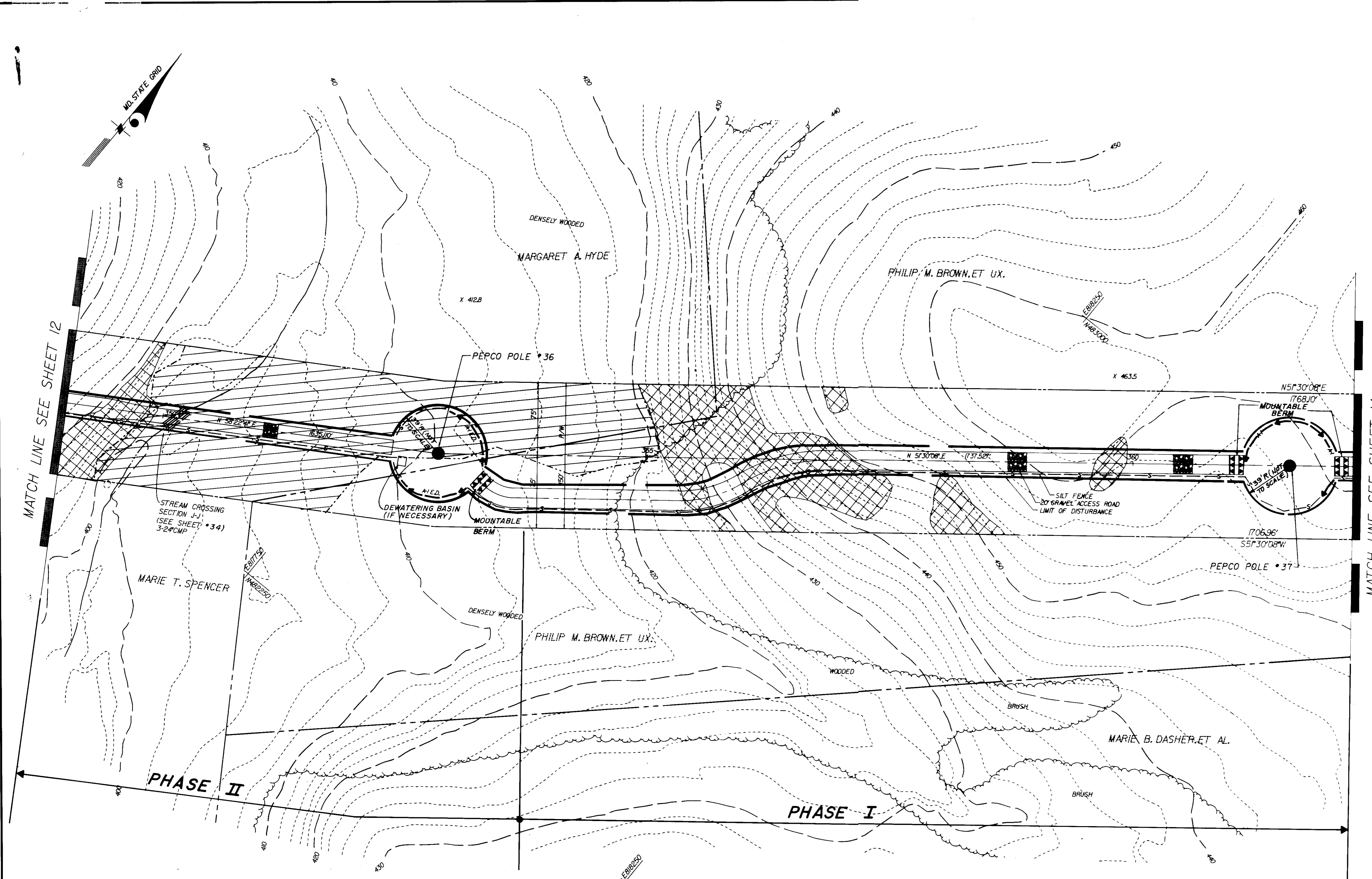
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1	REV. PER. HOWARD COUNTY S.C.D. 10-30-90						
	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
	BALTBHD						
	REVISIONS						

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3890  
Best Date Hereon

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAYETTEVILLE, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* 4-3-91  
 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* 3/27/91  
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* 3-27-91  
 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
 PLANNING DIRECTOR: *[Signature]* 4/9/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT: *[Signature]* 4/9/91  
 DATE

SEDIMENT CONTROL  
 BY THE DEVELOPER:  
 \* I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 \* I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 3-11-91  
 SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*[Signature]* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

**SEDIMENT CONTROL PLAN**  
 STA. 349+00 TO 362+25  
 PEPCO POLES \*36 & \*37  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R,R-20, R-SC ELECTION DISTRICT 1 & 5  
 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40,41, & 46

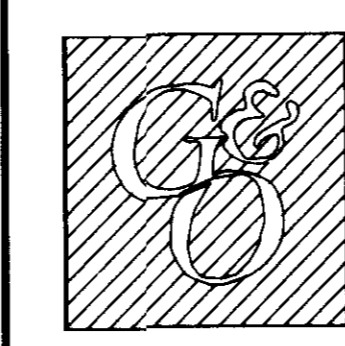
POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20060

SCALE	1"=50'	APPD	APPD	APPD	APPD	APPD
DATE	AUG. 90	9-11-91	9-11-91	11/22/91		
DR. BY		RJP	GP	EMJ		
CHKD.						
INSP.						

DESIGN: SAA DRAWN: CAUV CHK: RMS DATE: 9-90 FILE NO. R-2490-X

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
2 CROSS HATCHING REMOVED SEE PHASE II NOTE, SHEET 2 OF 37. (CB, GID, 4-17-91)						
1 REV PER HOWARD COUNTY S.C.D. 10-30-90						

BEFORE BEGINNING CONSTRUCTION CONTACT  
 MISS UTILITY  
 AT 1-800-257-7777

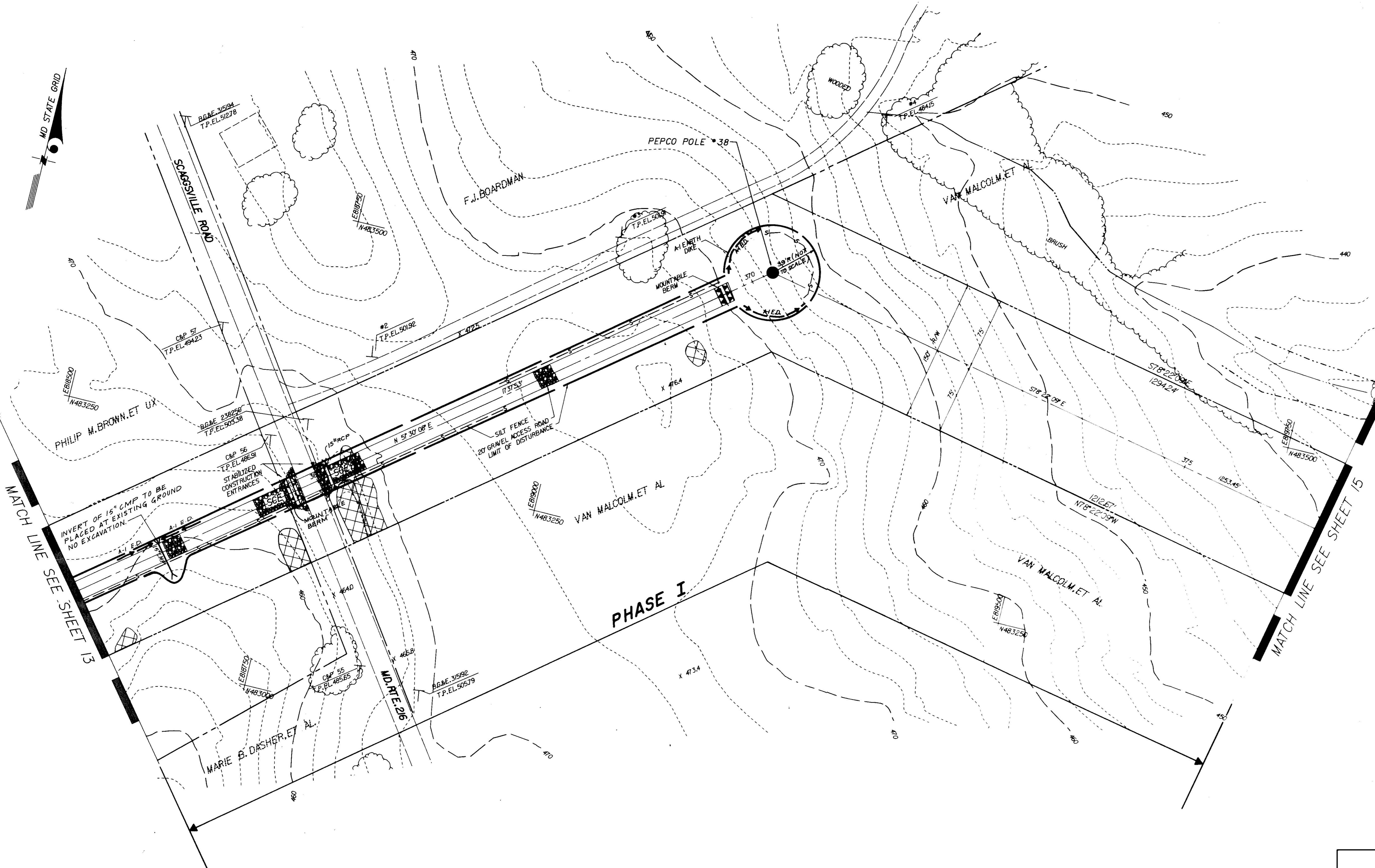


ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3800 © Latest Date 1/1/92  
 ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



*[Signature]* 3-11-91





APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph Bradley* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. ...* 3/27/91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*...* 4/9/91  
PLANNING DIRECTOR DATE  
*...* 3/27/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER  
SEDIMENT CONTROL

"I WE CERTIFY THAT A DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENTAL APPROVED TRAINING PROGRAM FOR THE PURPOSE OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I, AS AN AUTHORIZED PERIODIC DIVISION OFFICER OF THE HOWARD SOIL CONSERVATION DISTRICT."

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. Hamon* 3-11-91  
SIGNATURE OF ENGINEER MD15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*James J. ...* 3/15/91  
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John P. ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 362+25 TO 376+50  
PEPCO POLE #38  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC ELECTION DISTRICT 1 & 5 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	F-507	APPD	APPD	APPD	APPD
DATE	AUG. 90	9-11-90	9-11-90	9/14/90	
DR. BY		RWP	GPC	FAT	
CHKD.					
INSP.					

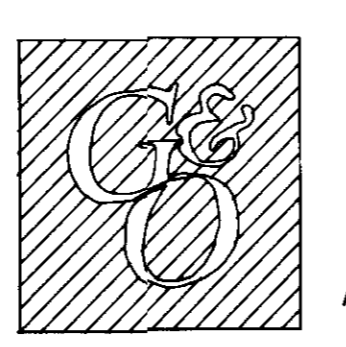
TL-500-295  
14 of 37

DESIGN: SAA DRAWN: CADW  
DATE: 9-90 FILE NO. R-2490-X

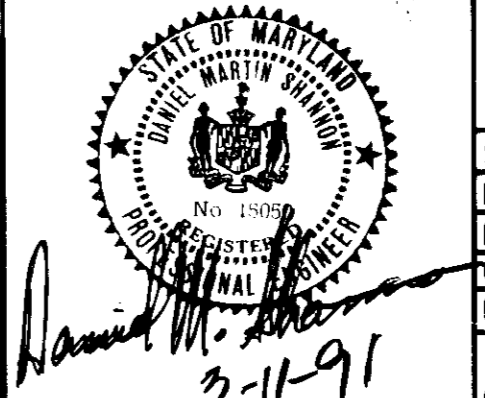
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BALTBH2							

REVISIONS

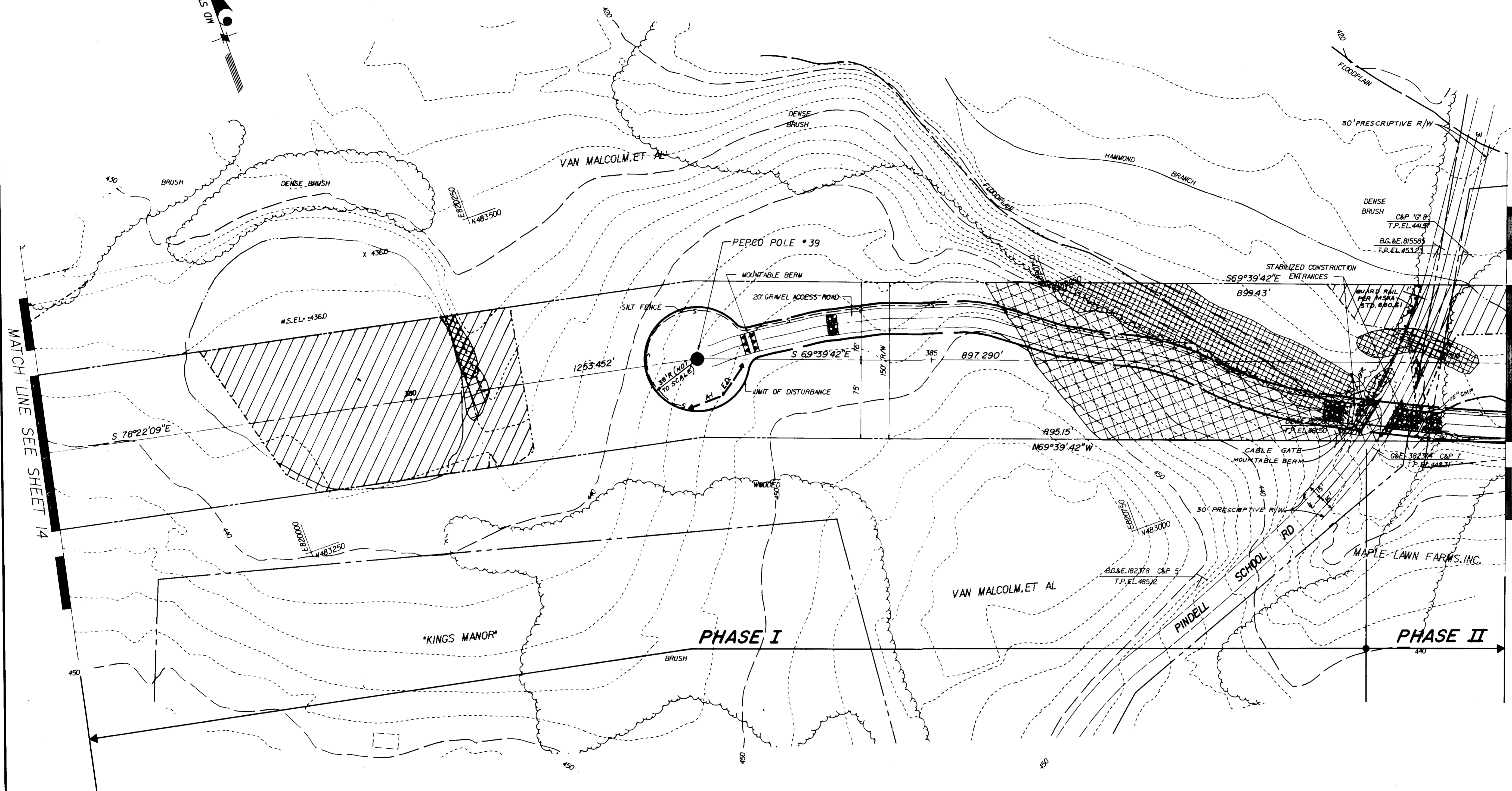
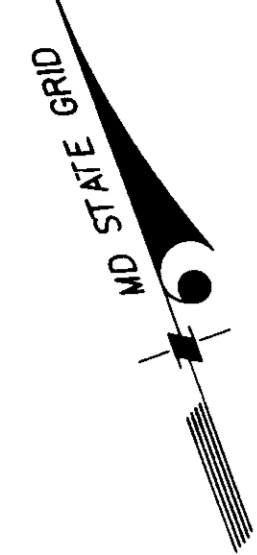
BEFORE BEGINNING CONSTRUCTION CONTACT  
Miss Utility  
1-800-257-7777  
48 HOURS PRIOR TO CONSTRUCTION



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



*David M. Hamon* 3-11-91



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James P. ...* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. ...* 3/27/91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*...* 4/19/91  
PLANNING DIRECTOR DATE  
*...* 7/1/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:  
SEDIMENT CONTROL

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. ...* 3-11-91  
SIGNATURE OF ENGINEER, M.D. 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*...* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 376+50 TO 390+50  
PEPCO POLE #39  
**500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT**

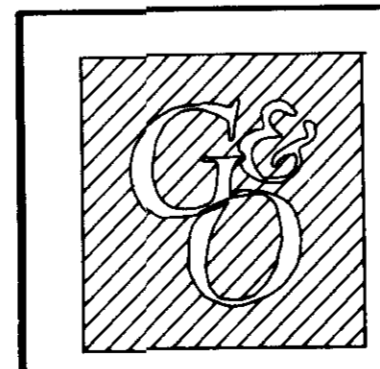
ZONE: R-R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20066

SCALE	1"=50'	APPD	APPD	APPD	APPD	APPD	APPD	TL-500-295	
DATE	AUG. 90	9/11/90	9/11/90	9/11/90	9/11/90	9/11/90	9/11/90	15 OF 37	
DR. BY		RWP	...	...	...	...	...		
CHKD.									
INSP.									
DESIGN	SA	DRAWN	CADD	CHKD.	...	DATE	9-90	FILE NO.	R-2490-X

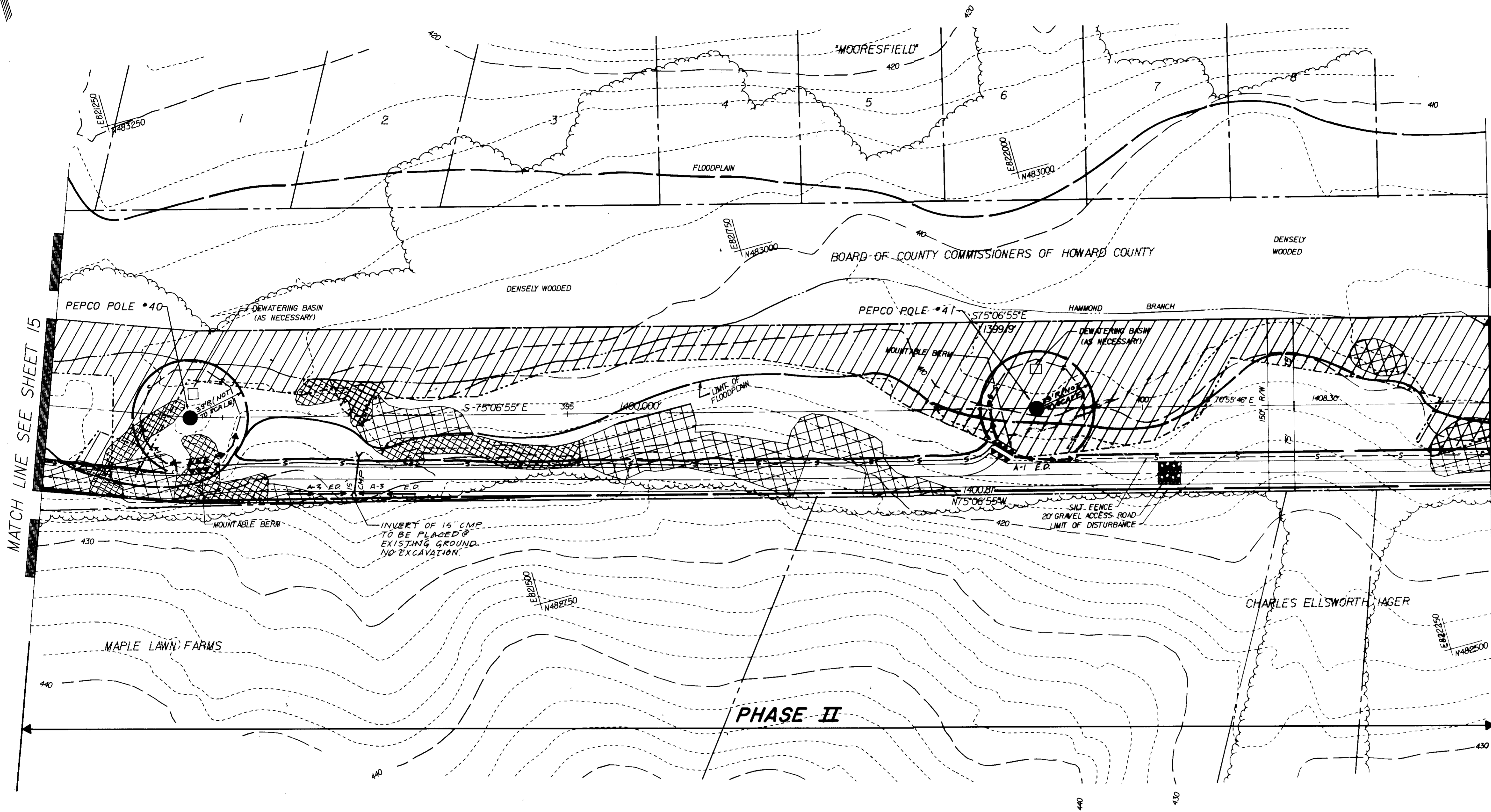
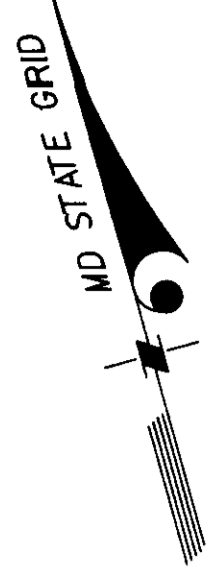
DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
BALTBH3							
REVISIONS							

MISS UTILITY  
AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800  
Latest Date Hereon





MATCH LINE SEE SHEET 15

MATCH LINE SEE SHEET 17

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph W. Bogdan* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Kelly* 3-27-91  
DIRECTOR DATE  
*Michael S. Casey* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*David L. Smith* 4/9/91  
PLANNING DIRECTOR DATE  
*Richard J. Gandy* 4/15/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THIS PLAN, AND THAT ANY REVISIONS BEING MADE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. I HAVE PARTICIPATED IN THE CONSTRUCTION OF THIS PLAN AND I HAVE AUTHORIZED PERIODIC INSPECTION BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*David L. Smith* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*David M. Hanna* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND TECHNICAL REQUIREMENTS.  
*John P. Panton* 3/15/91  
USE OF SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*John P. Panton* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 390+50 TO 403+00  
PEPCO POLES #40 & #41  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R.R-20, R-SC  
ELECTION DISTRICT 1 & 5

HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO. ENGINEERING DEPT. 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068				
SCALE	APPD	APPD	APPD	APPD
1"=50'				
DATE	3-11-91	3-11-91	3-11-91	3-11-91
DR. BY	RWP	GA	FB	
CHKD.				
INSP.				
DESIGN: SAA	DRAWN: CAUD	CHKD: MMS	DATE: 3-11-91	FILE NO. R-2490-X

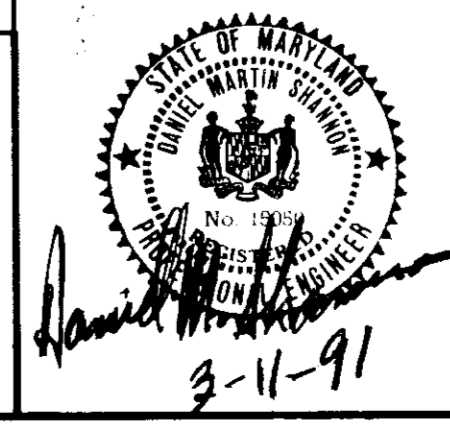
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BALTBH4							

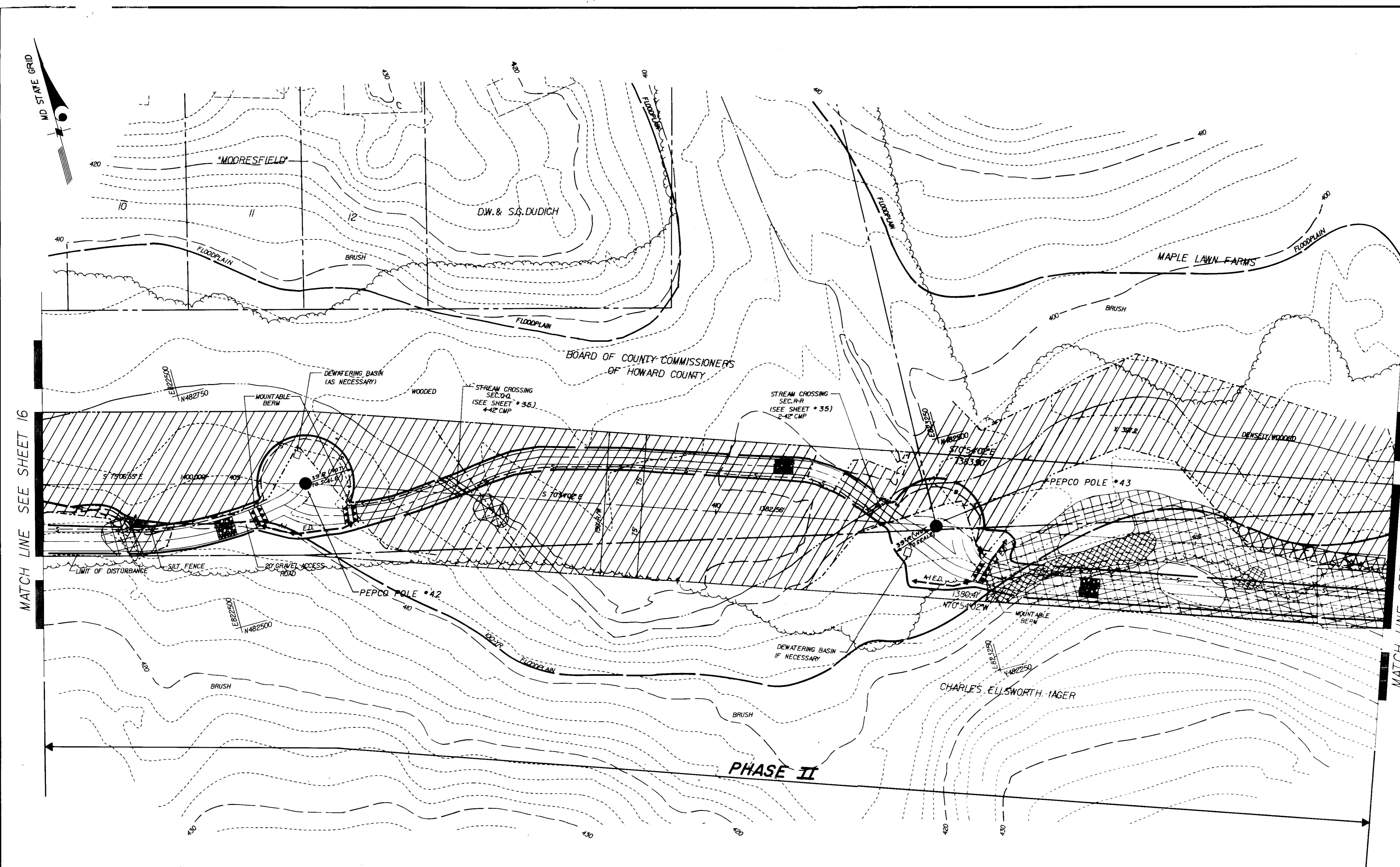
BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





MATCH LINE SEE SHEET 16

MATCH LINE SEE SHEET 18

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*James B. ...* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS

*James ...* 3/22/91  
 DIRECTOR DATE

*...* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*...* 4/9/91  
 PLANNING DIRECTOR DATE

*...* 3/15/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER:

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*...* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*David M. ...* 3-11-91  
 SIGNATURE OF ENGINEER Md 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS

*...* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*...* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
 STA. 403+00 TO 417+00  
 PEPCO POLES #42 & #43  
**500 KV TRANSMISSION LINE**  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: RR-20, R-SC  
 ELECTION DISTRICT 1 & 5

HOWARD COUNTY, MARYLAND  
 ZONING / TAX MAPS 40, 41 & 46

**POTOMAC ELECTRIC POWER CO.**  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W., WASHINGTON, D.C. 20068

SCALE	7'-50"	APPD	APPD	APPD	APPD
DATE	AUG. 90	4-11-90	4-11-90	4-11-90	4-11-90
DR. BY		RWP	GA	FIS	
CHKD.					
INSP.					

TL-500-295  
 17 of 37

DESIGN: SAA DRAWN: CAWJ CHK: RWS DATE: 9-90 FILE NO. R-2490-X

BEFORE BEGINNING CONSTRUCTION CONTACT  
 "Miss Utility"  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO EXCAVATION

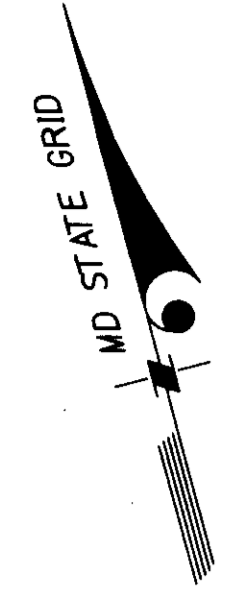
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3880

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL

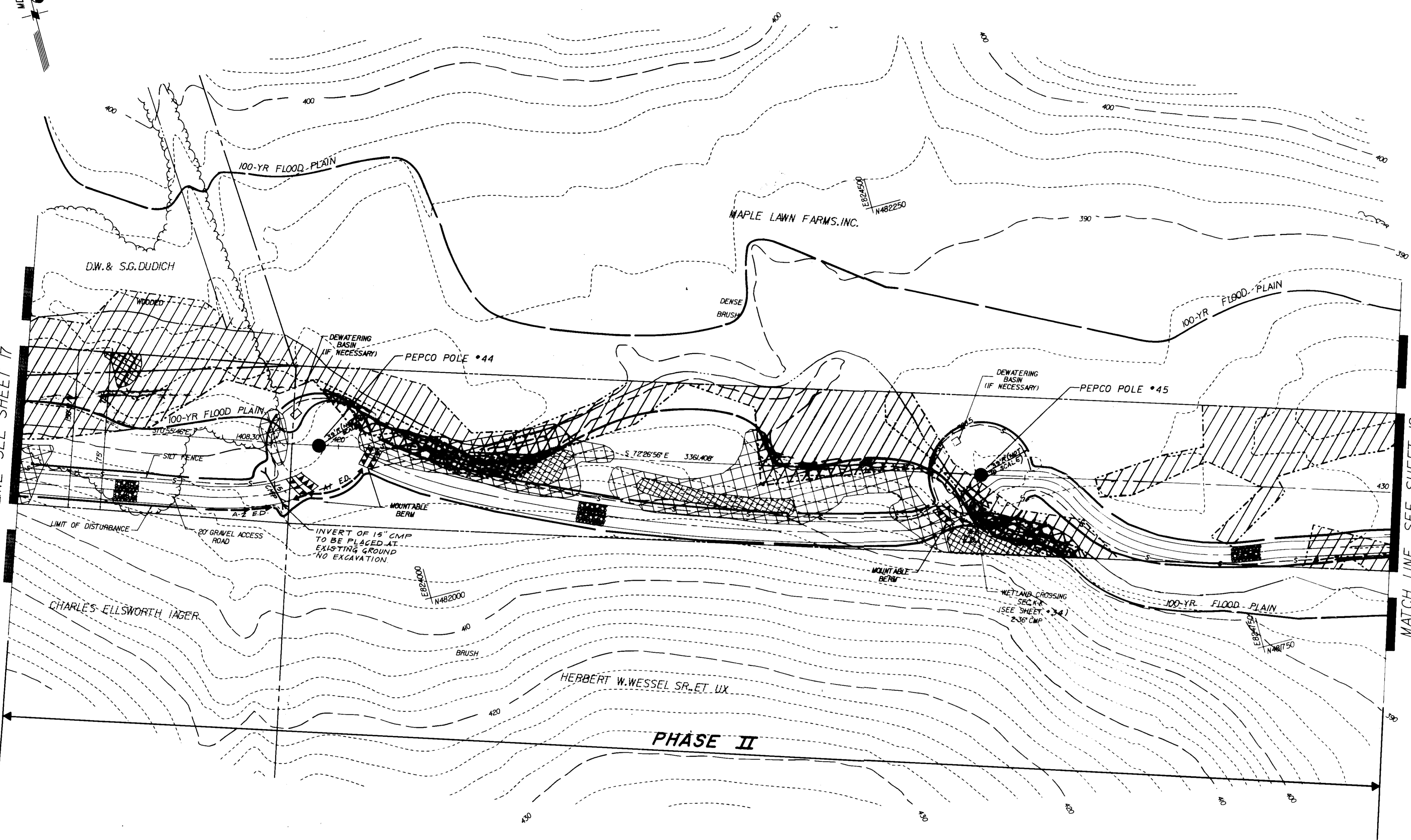
NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. - CUB GIS 4-12-91							
1	REV PER HOWARD COUNTY S.C.D. 10-30-90							

BALTBHIS REVISIONS



MATCH LINE SEE SHEET 17

MATCH LINE SEE SHEET 19



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph Bodur* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. [Signature]* 3/27/91  
DIRECTOR DATE

*[Signature]* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE **JH**

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*[Signature]* 4/9/91  
PLANNING DIRECTOR DATE

*[Signature]* 3/6/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE **SM**

SEDIMENT CONTROL

BY THE DEVELOPER:

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 3-11-91  
SIGNATURE OF ENGINEER **11/15050** DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

*[Signature]* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
**STA. 417+00 TO 430+00**  
**PEPCO POLES #44 & #45**  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5

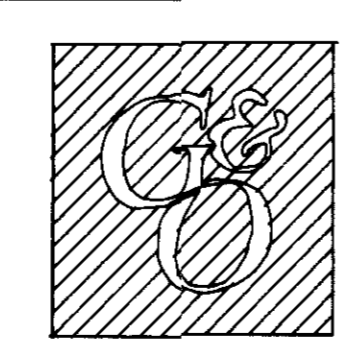
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40,41, & 46

**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.

SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	AUG. 90	9-11-90	9-11-90	9-11-90	
DR. BY		RWP	CA	PH	
CHKD.					
INSP.					
DESIGN	SAA	DRAWN	CAU	CHKD.	DMS
FILE NO.	TL-500-295 18 OF 37				
DATE	9-90				
FILE NO.	R-2490-X				

NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. CUB, G13, 4-17-91							
1	REV. PER. HOWARD COUNTY S.C.D. 10-30-90							
REVISIONS								

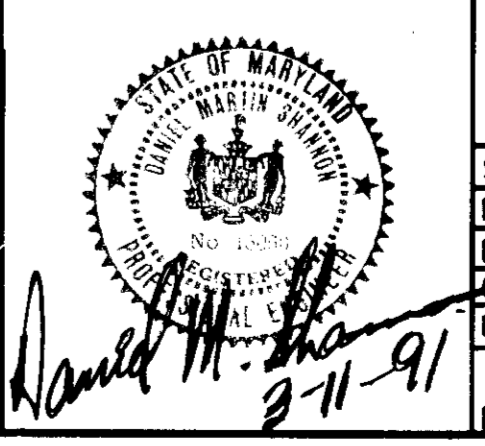
BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION



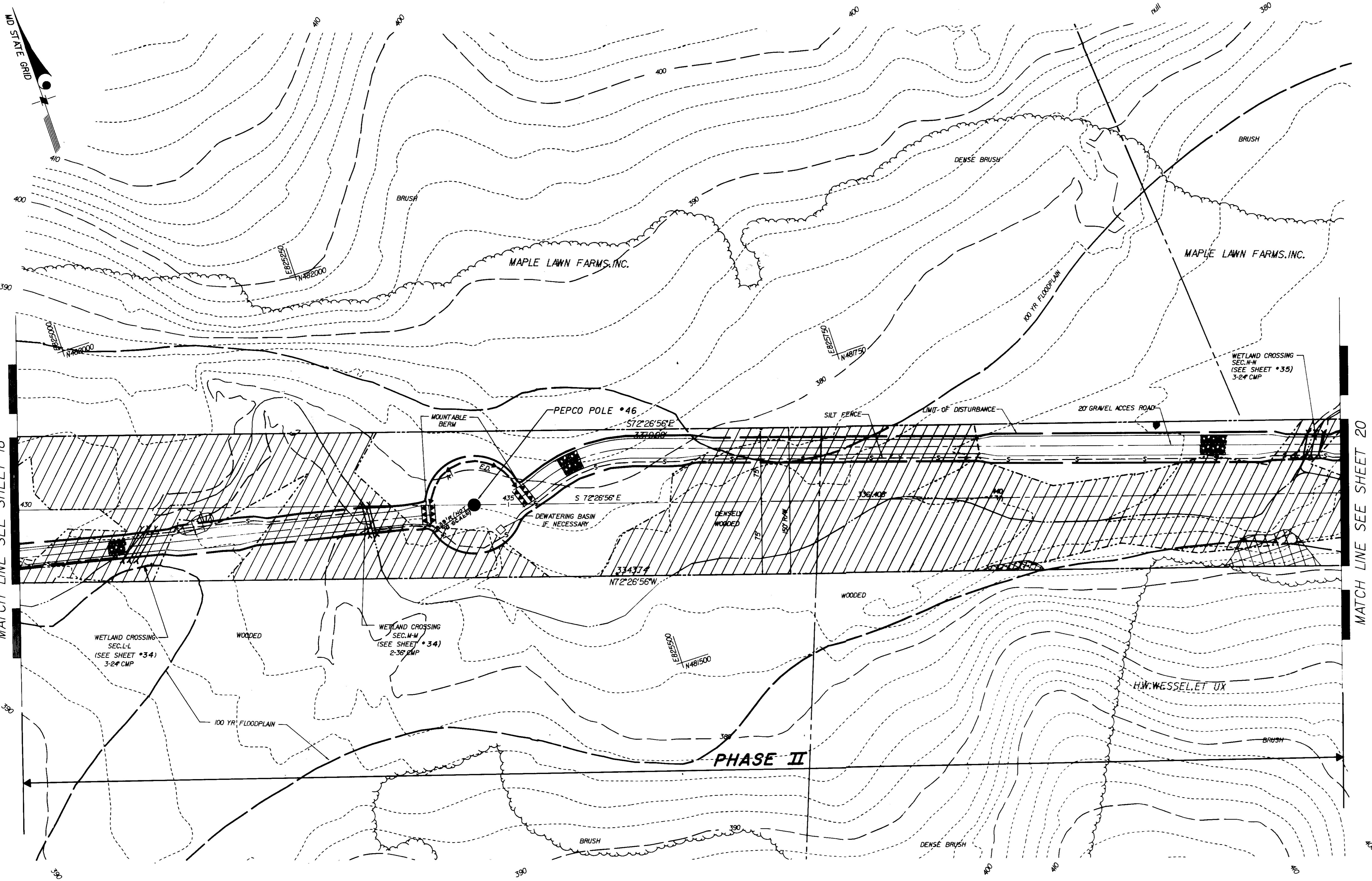
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850 ©Latest Date Hereon  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



SDP-91-58



MATCH LINE SEE SHEET 18

MATCH LINE SEE SHEET 20

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joselyn Bricker* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. Smith* 3/27/91  
DIRECTOR DATE  
*Richard P. Gray* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James P. Smith* 4/19/91  
PLANNING DIRECTOR DATE  
*Frank V. P. ...* 4/19/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JHS  
SEDIMENT CONTROL

BY THE DEVELOPER:  
"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*Tom Masters* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. Thompson* 3-11-91  
SIGNATURE OF ENGINEER M/15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND MEETS TECHNICAL REQUIREMENTS.  
*James M. ...* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION AND SEDIMENT CONTROL BY  
THE HOWARD SOIL CONSERVATION DISTRICT.  
*John K. ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
MISS UTILITY AT 1-800-257-7777 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 430+00 TO 443+50  
PEPCO POLE # 46  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**  
ZONE: R-R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO. ENGINEERING DEPT. 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068			
SCALE	1"=50'	APPD	APPD
DATE	AUG. 90	9-11-90	9-12-90
DR. BY	RUP	SPC	PAZ
CHKD.			
INSP.			
DESIGN	SAA	DRAWN	CAUD
CHK	JMS	DATE	9-9-90
FILE NO.	TL-500-295		
	19 of 37		

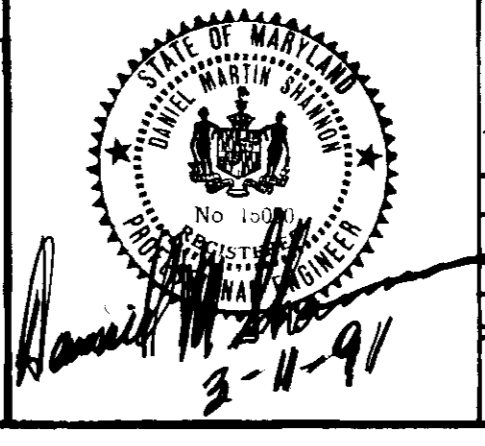
DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
BALTBHT							
REVISIONS							

BEFORE BEGINNING CONSTRUCTION  
CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

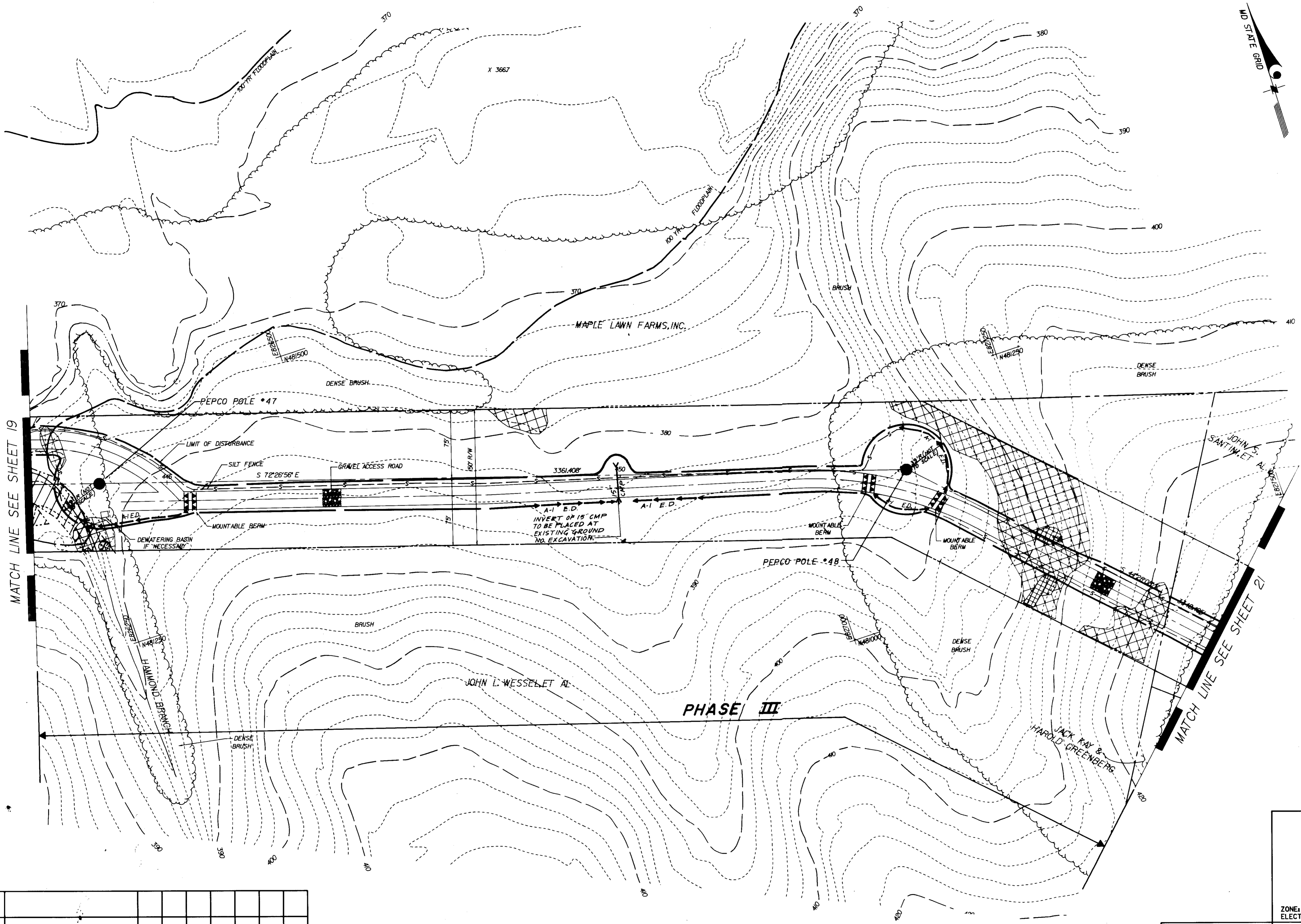
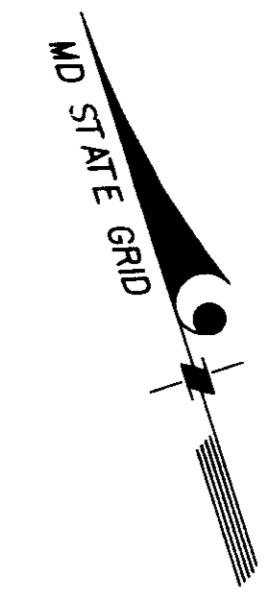
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800 ©Latest Date Hereon

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



MATCH LINE SEE SHEET 19



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph W. Conroy* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James P. ...* 3-27-91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*...* 4/19/91  
PLANNING DIRECTOR DATE  
*...* 3/15/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A 16-HOUR TRAINING COURSE APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONNEL TO BE INSPECTED BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Dumastros* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*David M. Shannon* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*James M. ...* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 443+50 TO 457+00  
PEPCO POLES # 47 & # 48  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R-R-20, R-SC ELECTION DISTRICT 1 & 5 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40, 41 & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

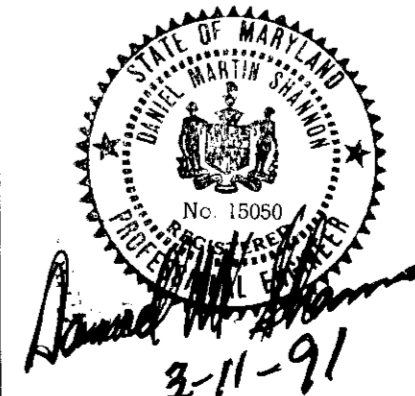
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DR. BY	RW	CP	FH				
CHKD.							
INSP.							

DESIGN: SAA DRAWN: CAUD CHK: DMS DATE: 9-90 FILE NO. R-2490-X

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							

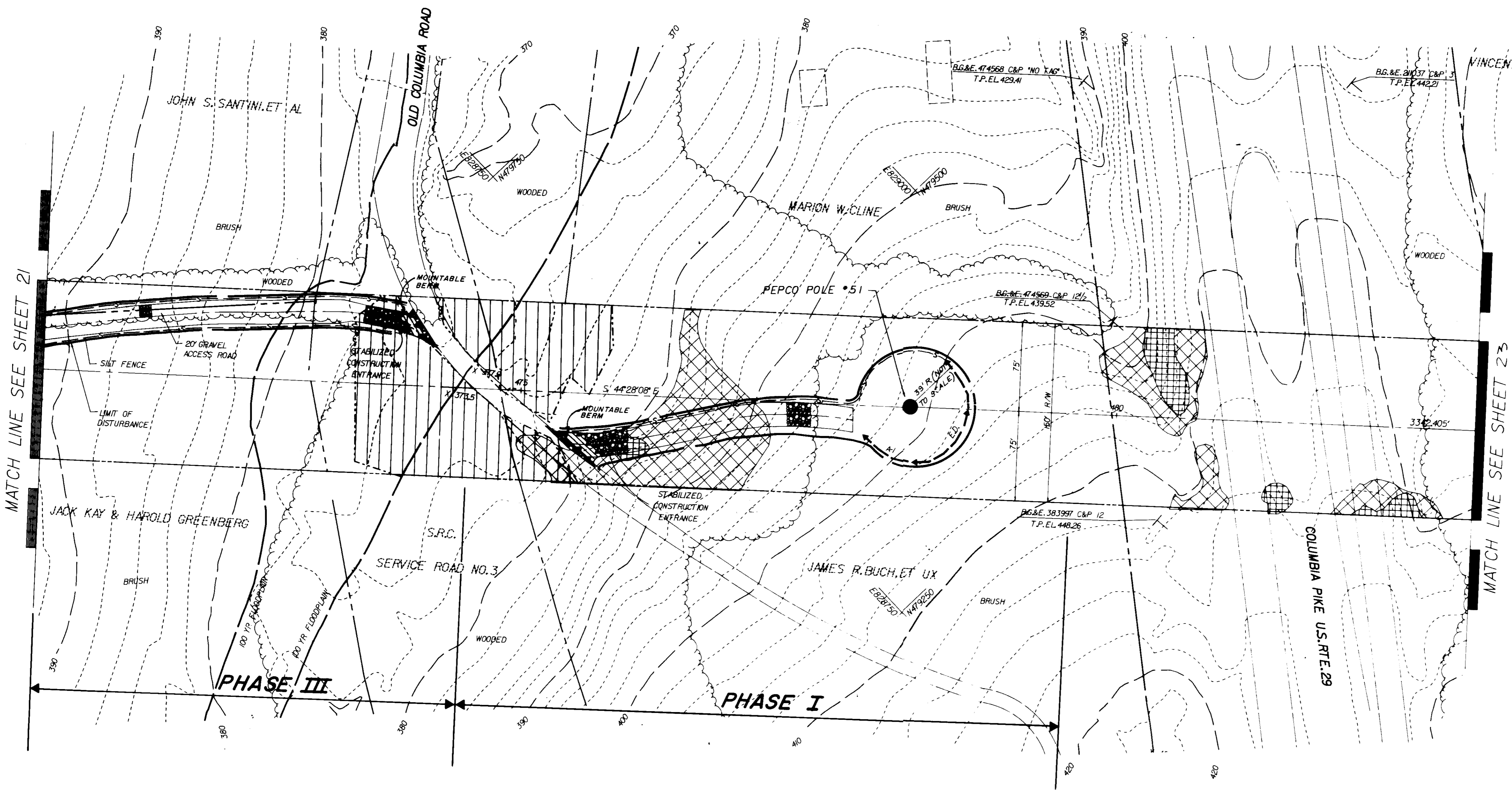
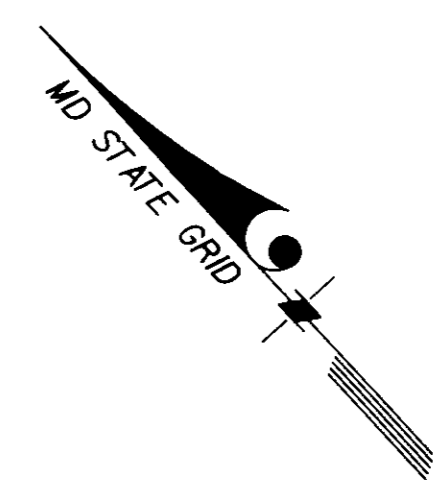
BEFORE BEGINNING CONSTRUCTION CONTACT  
**"Miss Utility"**  
AT 1-800-257-7777  
AT LEAST 48 HOURS PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800  
©Latest Data Hereon  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL









APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph P. Long* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*Jama P. Lewis* 3/27/91  
DIRECTOR DATE  
*W.S. Lewis* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James B. Smith* 4/9/91  
PLANNING DIRECTOR DATE  
*Mark U. Z. Smith* 4/9/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE SH

SEDIMENT CONTROL

BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*D. Masten* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*Daniel M. Hamer* 3-11-91  
SIGNATURE OF ENGINEER MD15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND METS TECHNICAL REQUIREMENTS:

*James A. Smith* 3/15/91  
J.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John R. Roberts* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 471+00 TO 483+00  
PEPCO POLE # 51

**500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT**

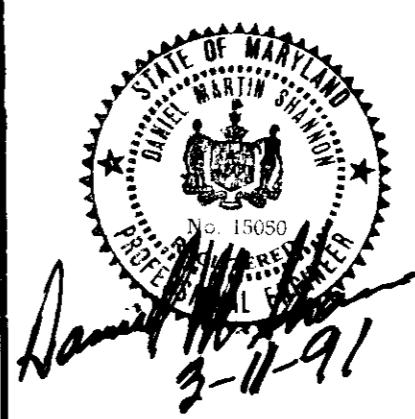
ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO. ENGINEERING DEPT. 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068					
SCALE	APPD	APPD	APPD	APPD	APPD
DATE	4-11-90	9-11-90	9-11-90	9-11-90	9-11-90
DR BY	RWP	SP	FJH		
CHKD.					
INSP.					
DESIGN: SAA	DRAWN: CADD	CHKD: DMS	DATE: 9-90	R-2490-X	FILE NO.

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

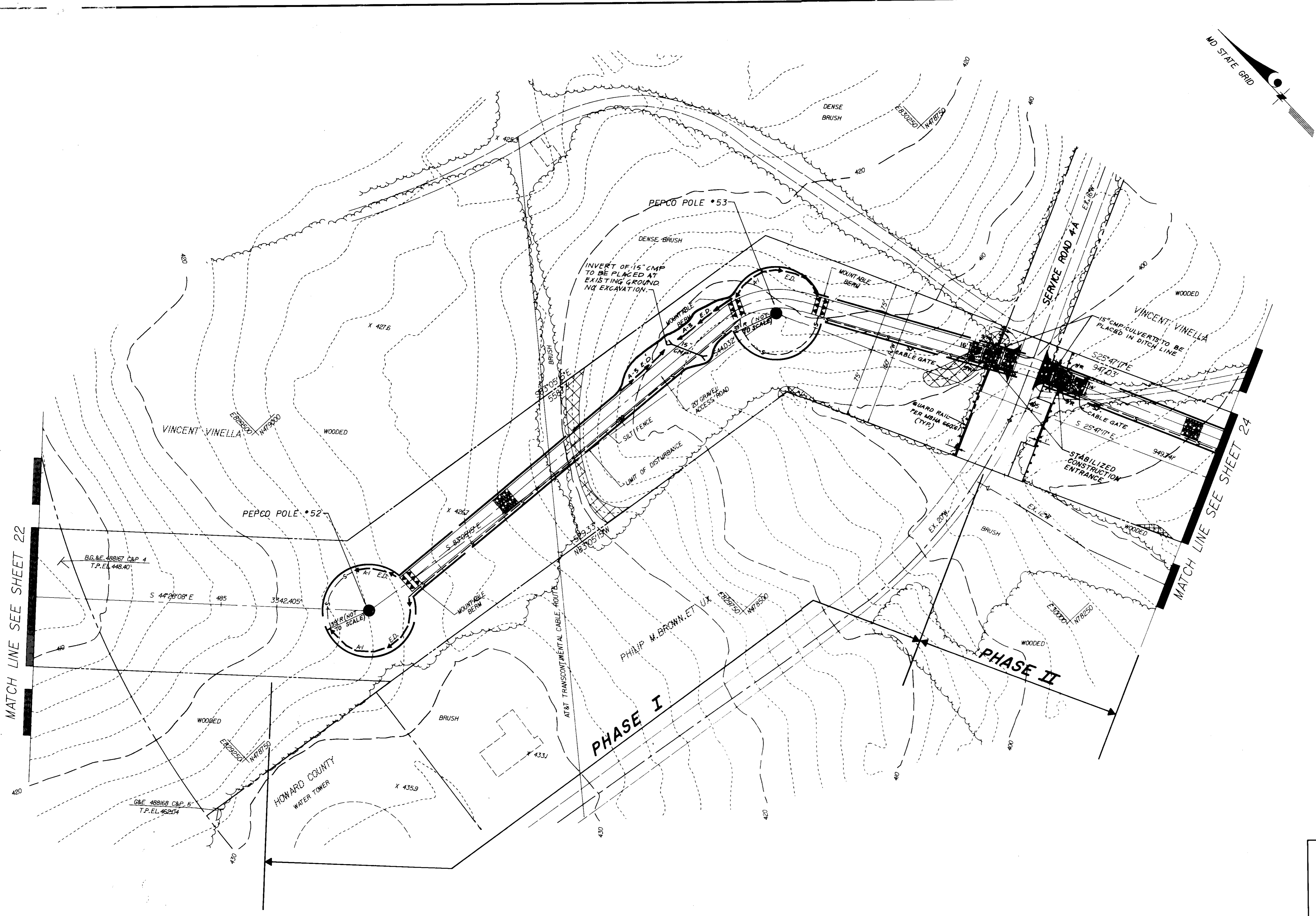
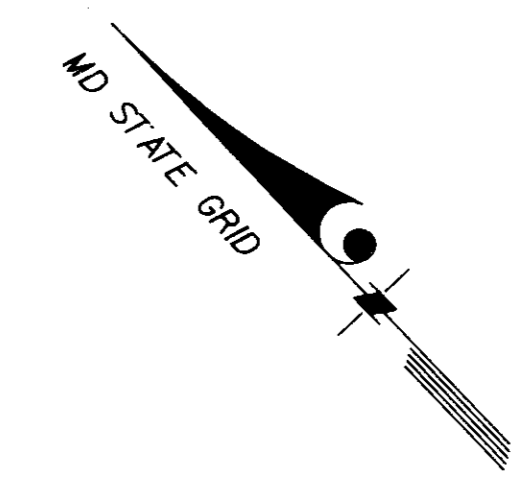
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • DULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							
BALTBH20							

CROSS HATCHING REMOVED, SEE PHASE III NOTE SHEET 2 OF 37.



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Joseph M. Bogdan* 4-3-91  
 COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS  
*James M. Levin* 3/29/91  
 DIRECTOR DATE  
*John E. Cline* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
 PLANNING & ZONING  
*James S. Scott* 4/19/91  
 PLANNING DIRECTOR DATE  
*Charles U. D. Campbell* 4/15/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER:  
 "I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION  
 WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY  
 RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION  
 PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A  
 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM  
 FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE  
 BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC  
 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION  
 DISTRICT."

*Ellen Masters* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT  
 CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED  
 ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT  
 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HOWARD SOIL CONSERVATION DISTRICT."

*Daniel M. Hannon* 3-11-91  
 SIGNATURE OF ENGINEER M.P.#5050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
 AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Hannon* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
 SOIL EROSION AND SEDIMENT CONTROL BY  
 THE HOWARD SOIL CONSERVATION DISTRICT.  
*John P. Rhoton* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
 MISS UTILITY AT 1-800-257-7777 AT LEAST  
 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
 STA. 483+00 TO 497+00  
 PEPCO POLES \* 52 & \* 53  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

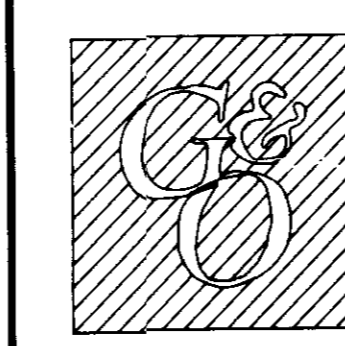
**POTOMAC ELECTRIC POWER CO.**  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD	TL-500-295
DATE	AUG. 90	7/11/90	7/18/90	7/17/90		23 OF 37
DR. BY		JWP	GA	EA		
CHKD.						
INSPECTION						

DESIGN: SAA DRAWN: CADU CHK: DMS DATE: 4-90 FILE NO. R-2490-X

NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
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1	REV. PER. HOWARD COUNTY S.C.D. 10-30-90						

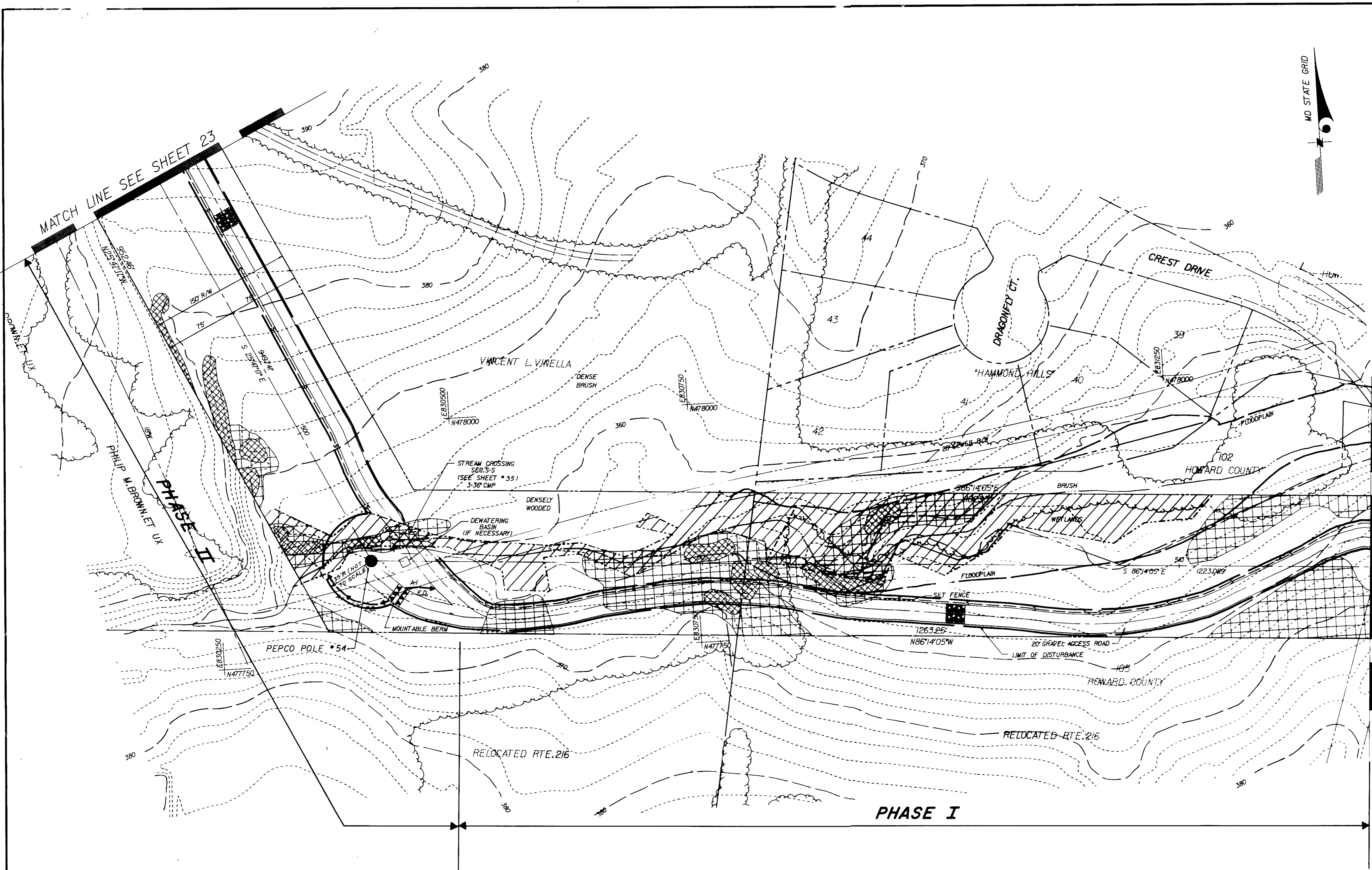
BEFORE BEGINNING CONSTRUCTION  
 CONTACT  
**"Miss Utility"**  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO EXCAVATION



ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 15020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3890 (© Latest Date Herein)  
 ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



SDP-91-58



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph Boudreau* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. ...* 3/27/91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*James ...* 4/9/91  
PLANNING DIRECTOR DATE  
*...* 3/15/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:  
"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. ...* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*James ...* 3/15/91  
S.C.D. SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John ...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 497+00 TO 512+00  
PEPCO POLE \* 54  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41 & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

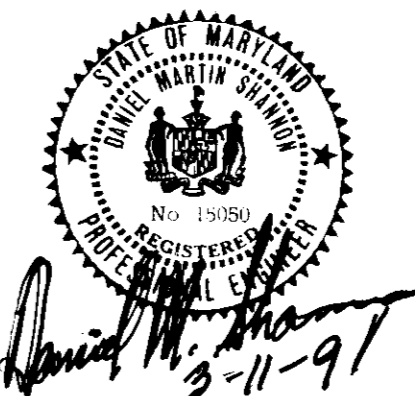
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DR. BY		RWP	GAC	...	
CHKD.					
INSP.					

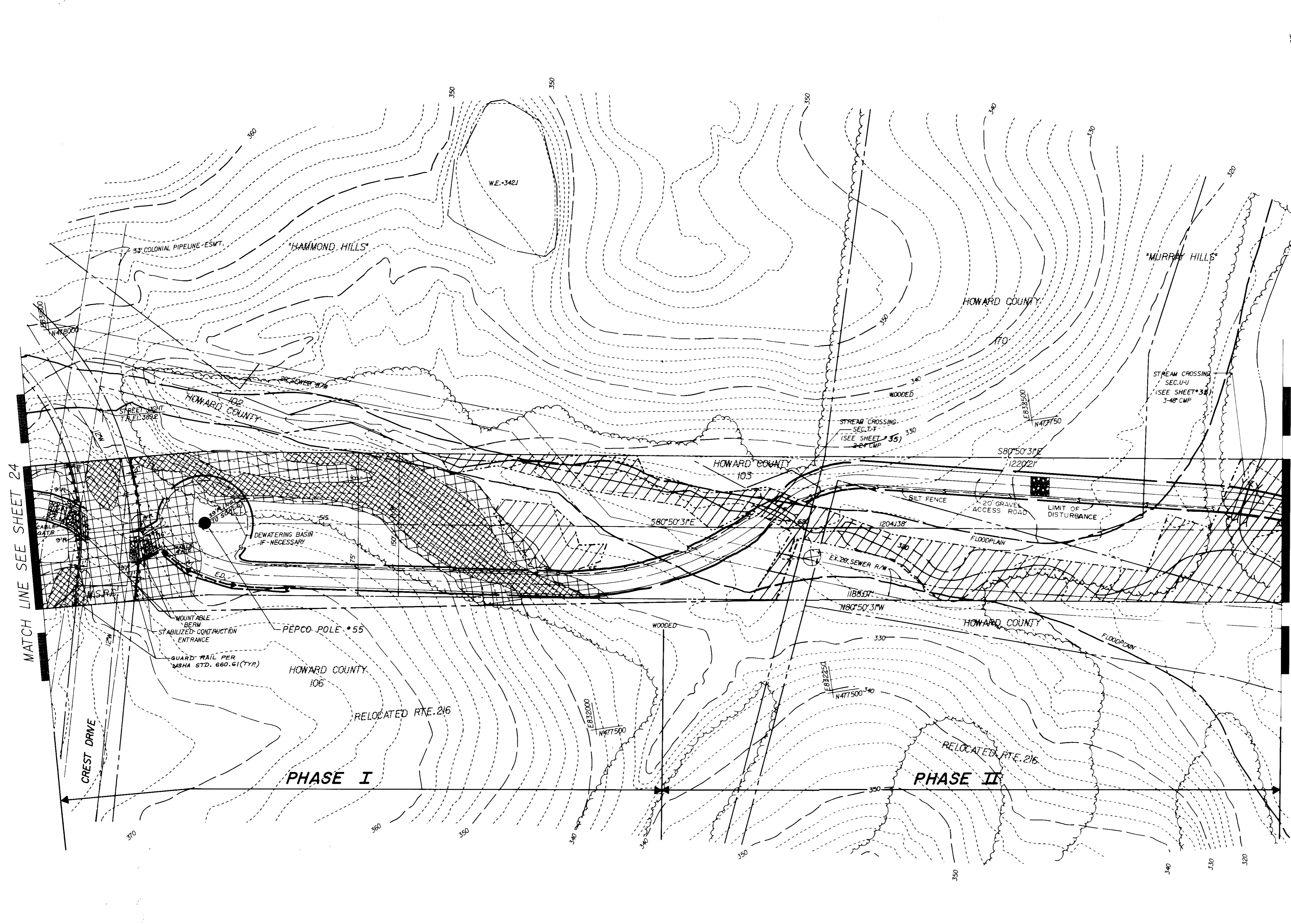
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NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. CUB. G.I.O. 4-17-91						
1	REV PER HOWARD COUNTY S.C.D. 10-30-90						

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3880  
©Latest Date Heron





MATCH LINE SEE SHEET 24

MATCH LINE SEE SHEET 26

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James W. Bogdanus* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James J. Lewis* 3/27/91  
DIRECTOR DATE  
*John S. Rainey* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE JH

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*James R. Batten* 4/8/91  
PLANNING DIRECTOR DATE  
*David U. DeAngelis* 4/8/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE JH

BY THE DEVELOPER:

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENTATION BEGINS THE PROJECT. I, A.S.C. AUTHORITY, HEREBY ADVISE SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*D. Webster* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*Randall M. Shannon* 3-11-91  
SIGNATURE OF ENGINEER MD 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND AGENCIES TECHNICAL REQUIREMENTS.  
*John M. Mottet* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John M. Mottet* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

SEDIMENT CONTROL PLAN  
STA. 512+00 TO 525+00  
PEPCO POLE # 55  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC ELECTION DISTRICT 1 & 5 HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40, 41, & 46

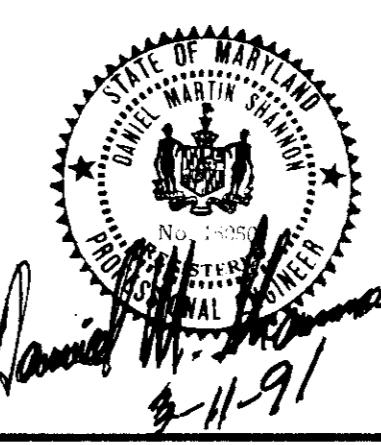
POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W., WASHINGTON, D.C. 20068

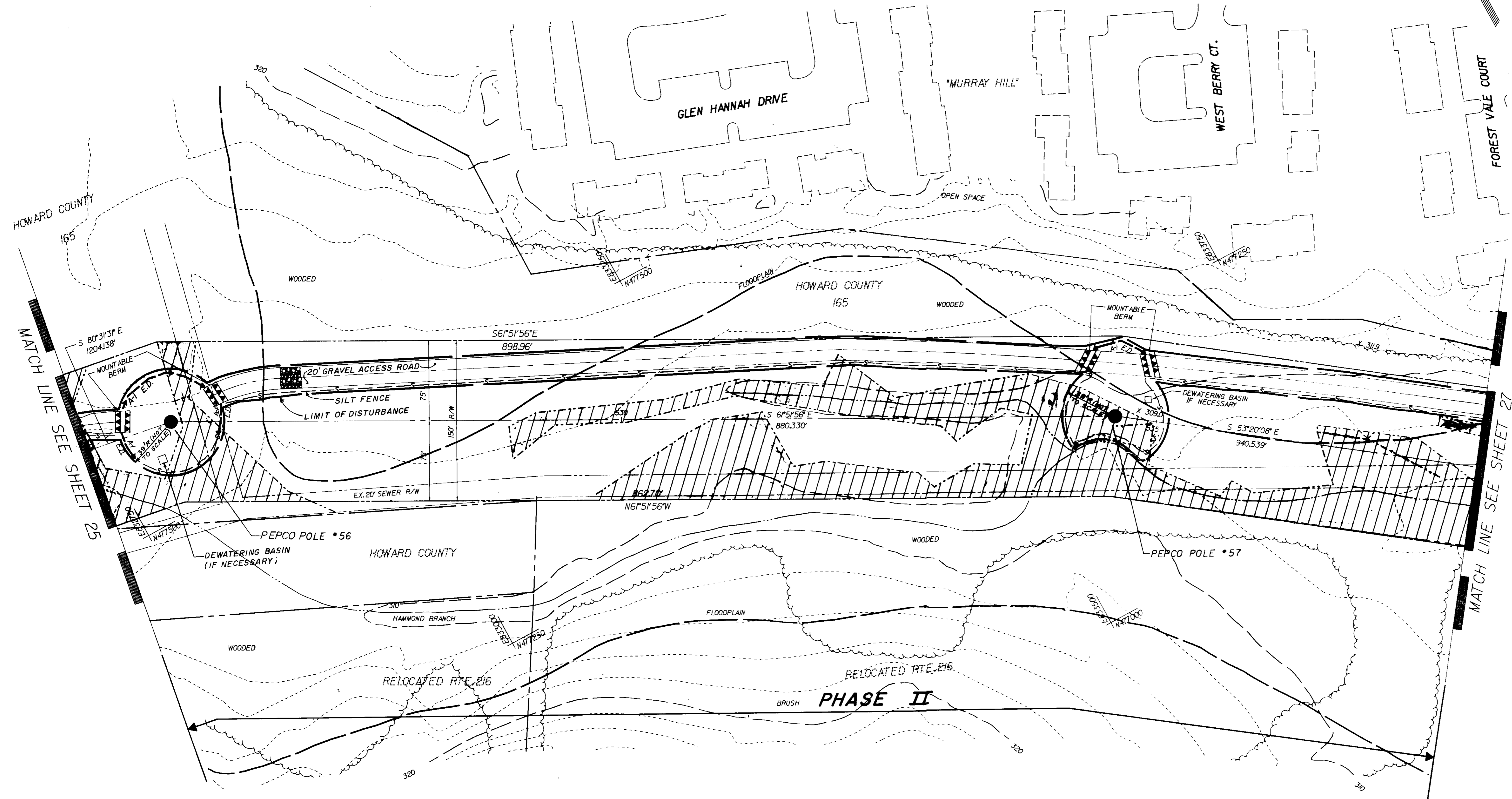
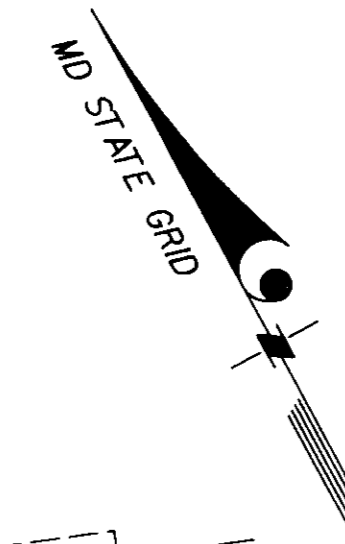
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DATE	AUG. 90	4-11-90	7-11-90	7-11-90	7-11-90	7-11-90	25 of 37
DR. BY	RWP	GR	GR	GR	GR	GR	
CHKD.							
INSP.							
DESIGN	SAA	DRAWN	CAUL	CHKD.	MS	DATE	9-90 R-2490-X
							FILE NO.

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
1 CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. CUB, G10, 4-17-91							
REVISIONS							

BEFORE BEGINNING CONSTRUCTION CONTACT  
**Miss Utility**  
1-800-257-7777  
FAST 48 HOURS  
FOR MORE INFORMATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3880  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL





APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Joseph B. ...* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*James ...* 3/27/91  
DIRECTOR DATE  
*...* 2-27-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*...* 4/9/91  
PLANNING DIRECTOR DATE  
*...* 4/4/91  
CHIEF, DIV. OF COMMUNITY PLANNING AND DEVELOPMENT DATE SH

BY THE DEVELOPER:

WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. IT ALSO AUTHORIZES PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*...* 8-11-91  
SIGNATURE OF ENGINEER MD 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEET TECHNICAL REQUIREMENTS:

*...* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*...* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

SEDIMENT CONTROL PLAN  
STA. 525+00 TO 538+00  
PEPCO POLES \* 56 & \* 57  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

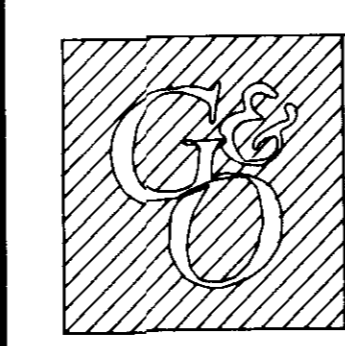
POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20066

SCALE	1"=50'	APPD	APPD	APPD	APPD	TL-500-295
DATE	AUG. 90	9-11-90	9-11-90	9-11-90	9-11-90	26 of 37
DR BY		RWP	GPC			
CHKD.						
INSP.						
DESIGN:	SAA	DRAWN:	CAUD	CHKD:	JMS	DATE: 9-90
						R-2490-X
						FILE NO.

NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED SEE PHASE II NOTE, SHEET 2 OF 37. CUB, G/O, 4-17-91						
1	REV PER HOWARD COUNTY S.C.D. 10-30-90						

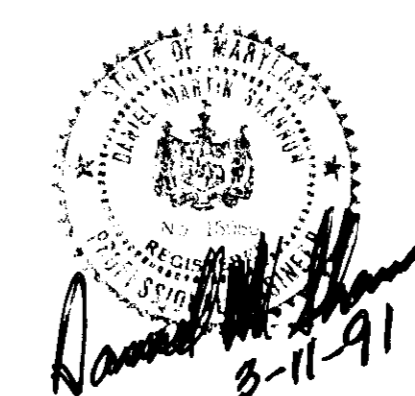
BALTBH24 REVISIONS

BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

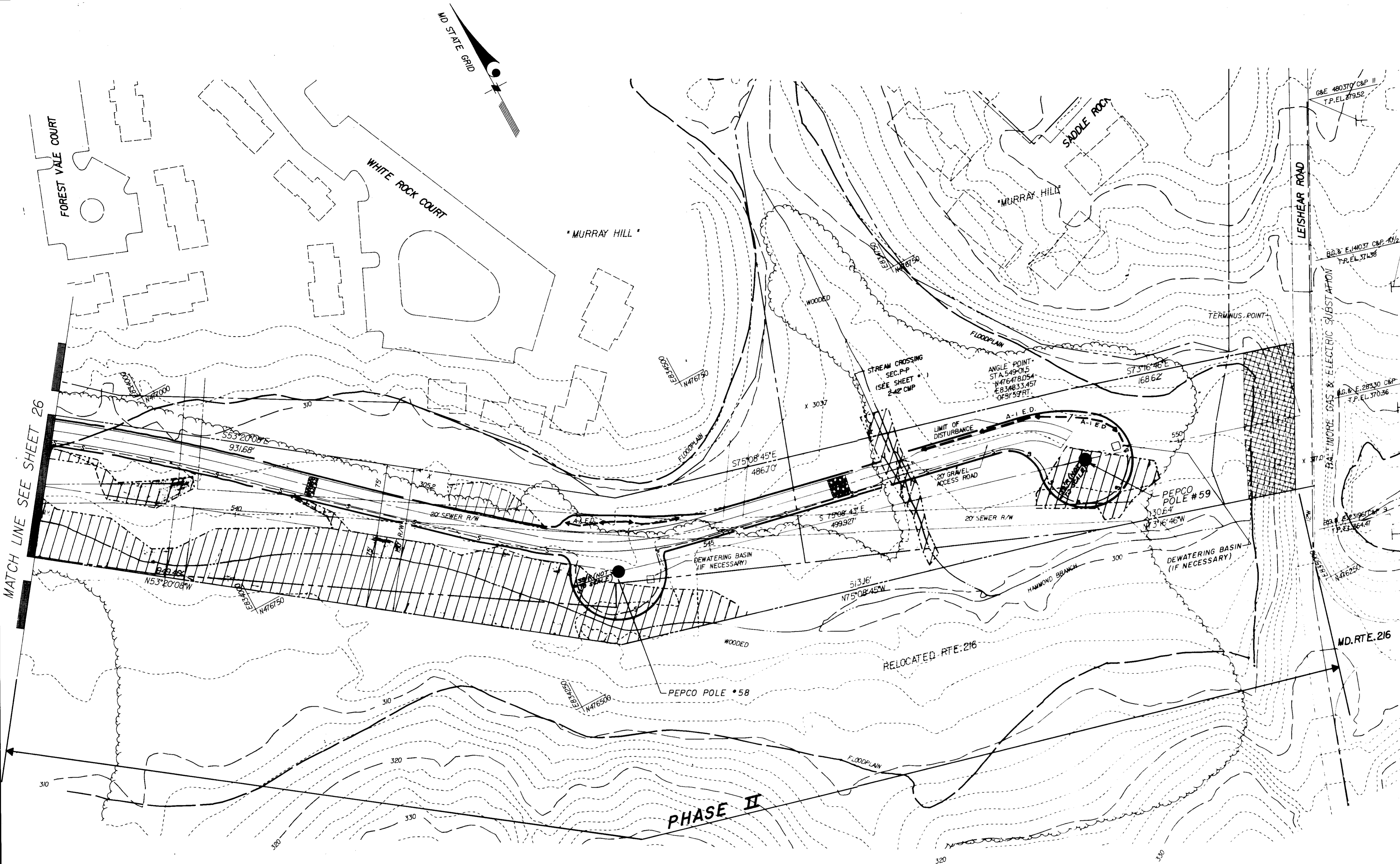


ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3890 ©Latest Data Hereon

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LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



SDP-91-58



MATCH LINE SEE SHEET 26

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Jozeph J. Boyd* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS  
*James J. [Signature]* 3/27/91  
DIRECTOR DATE  
*[Signature]* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING  
*[Signature]* 4/9/91  
PLANNING DIRECTOR DATE  
*[Signature]* 4/11/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:  
"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERMITTING ON-SITE INSPECTION BY THE HOWARD COUNTY ENVIRONMENT DISTRICT."

*[Signature]* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 3/11/91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*[Signature]* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

**SEDIMENT CONTROL PLAN**  
STA. 538+00 TO 551+28.989  
PEPCO POLES\* 58 & 59  
**500 KV TRANSMISSION LINE**  
**BRIGHTON TO HIGH RIDGE**  
**HOWARD COUNTY SEGMENT**

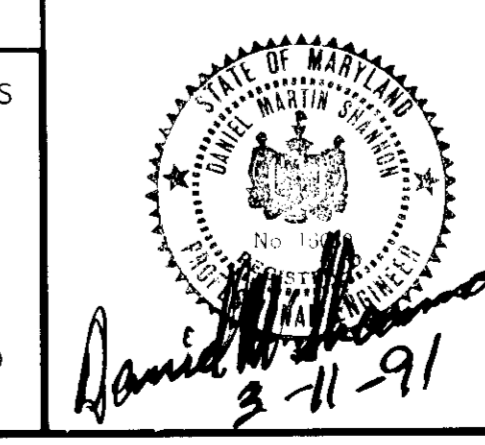
ZONE: R-R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40.41 & 46

NO.	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
2	CROSS HATCHING REMOVED. SEE PHASE II NOTE, SHEET 2 OF 37. CUB. 4-17-91						
1	REV. PER. HOWARD COUNTY S.C.D. 10-30-90						

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3890 ©Latest Date Here

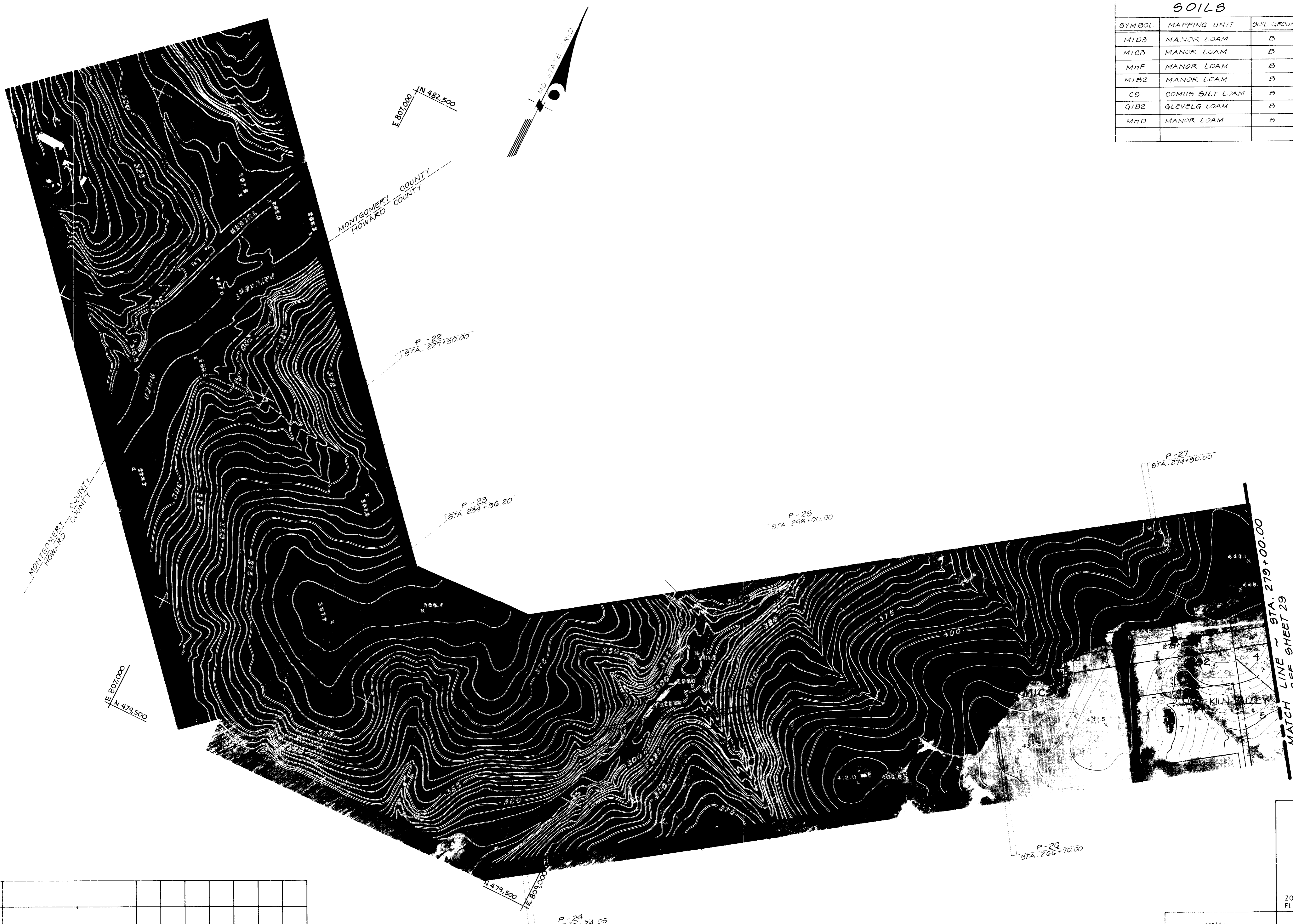
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W., WASHINGTON, D.C. 20068

SCALE	1"=50'	APPD	APPD	APPD	APPD
DATE	AUG. 90	9-11-91	9-11-91	9-11-91	9-11-91
DR. BY	RWP	GP	GP	GP	GP
CHKD.					
INSP.					

DESIGN: SAA DRAWN: CAJIS CHKD: PMS DATE: 9-90 FILE NO: R-2490-X  
SDP-91-58



SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
MID3	MANOR LOAM	B
MIC3	MANOR LOAM	B
MnF	MANOR LOAM	B
MIB2	MANOR LOAM	B
CS	COMUS SILT LOAM	B
GIB2	GLEVELG LOAM	B
MnD	MANOR LOAM	B

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY SYSTEMS  
 COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3-11-91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3/15/91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER & PUBLIC SANITARY  
 STORM DRAINAGE SYSTEM & PUBLIC HEALTH  
 HOWARD COUNTY DEPARTMENT OF HEALTH  
 DIRECTOR  
*[Signature]* 3/15/91  
 CHIEF, BUREAU OF ENGINEERING

STA. 208+00 TO STA. 279+00  
 PEPCO POLE # 22 TO # 27  
 SITE INVENTORY PLAN  
 500 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC  
 ELECTION DISTRICT 1 & 5  
 HOWARD COUNTY, MARYLAND  
 ZONING / TAX MAPS 40,41, & 42

POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20068

SCALE	1" = 200'	APPD	APPD	APPD	APPD
DATE	AUG. 90				
DR. BY					
CHKD.					
INSP.					

DESIGN: DRAWN: CHK: *[Signature]* DATE: FILE NO. R-2490

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							

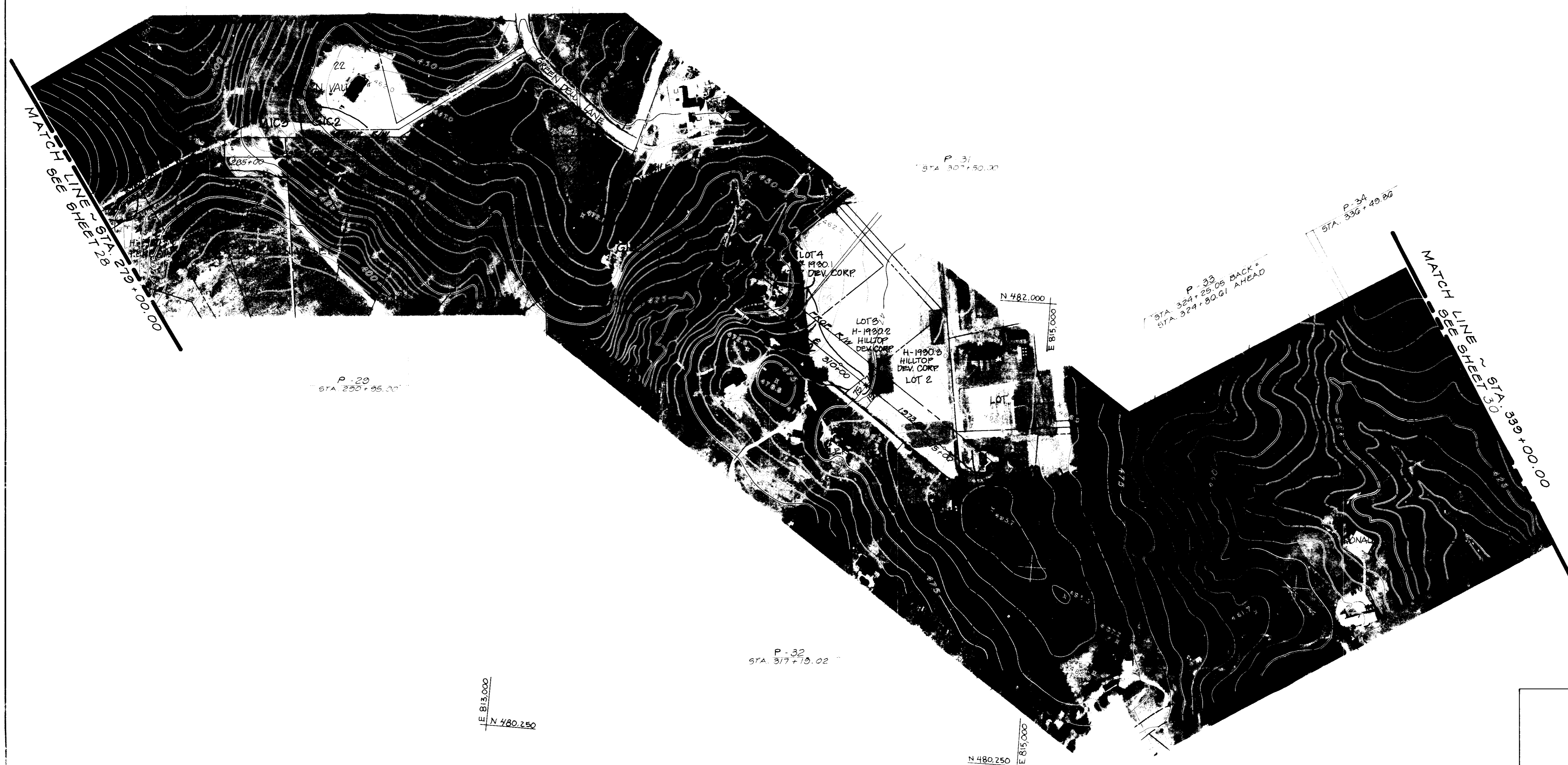
*[Faint text and stamp area]*

*[Signature]*  
 3-11-91

SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
Gn B2	GLENNVILLE SILT LOAM	C
G1C2	GLENNVILLE SILT LOAM	C
EKB2	ELIDAK SILT LOAM	B
CHC2	CHESTER SILT LOAM	B
Bg	BAILEY SILT LOAM	D
CHB2	CHESTER SILT LOAM	B
G1D2	GLEVELE LOAM	B

P-28  
STA. 283+14.86 BACK  
STA. 282+31.90 AHEAD

P-30  
STA. 297+45.39



APPROVED: FOR PUBLIC WATER & PUBLIC WASTE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: FOR PUBLIC WATER, SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC HIGHWAYS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR  
CHIEF, BUREAU OF ENGINEERING

APPROVED: PLANNING DEPARTMENT  
CHIEF, BUREAU OF COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED: CHIEF, BUREAU OF ENGINEERING

David M. Shannon 3-11-91

James M. Helm 3/15/91

John R. Robertson 3/15/91

STA. 279+00 TO STA. 339+00  
PEPCO POLE # 28 TO # 34  
SITE INVENTORY PLAN  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-5C  
ELECTION DISTRICT 1 & 5

HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40, 41 & 42

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE: 1" = 200'	APPO	APPD	APPD	APPD
DATE: AUG. 90				
DR. BY:				
CHKD.				29
INSP.				

DESIGN: AA DRAWN: ELC CHKD: UMIS DATE: 3-11-91 FILE NO. R-2490-3

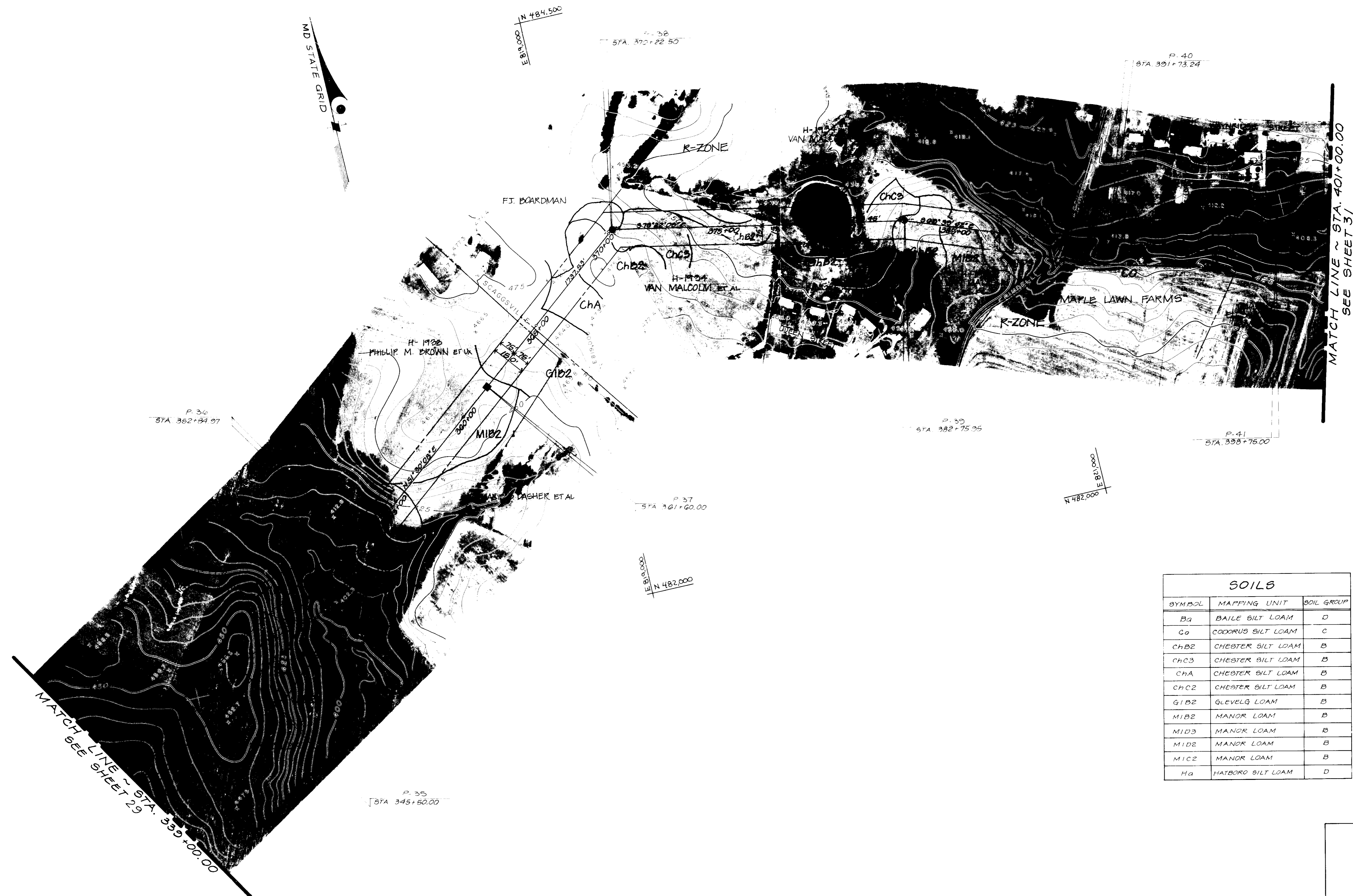
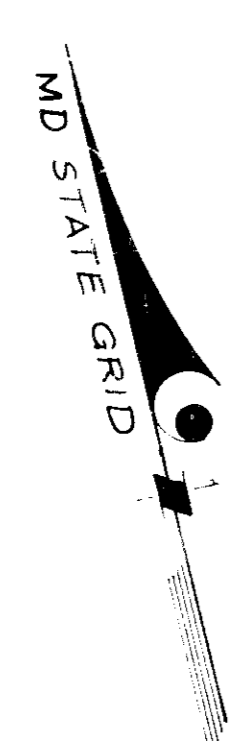
DESCRIPTION	CORR	CHKD	APPO	APPD	APPD	APPD	APPD

REVISIONS

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF PUBLIC WORKS  
ENGINEERING DEPARTMENT

DATE: 3-11-91





SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
Ba	BAILE SILT LOAM	D
Co	CODORUS SILT LOAM	C
ChB2	CHESTER SILT LOAM	B
ChC3	CHESTER SILT LOAM	B
ChA	CHESTER SILT LOAM	B
ChC2	CHESTER SILT LOAM	B
GIB2	GLEVELQ LOAM	B
MIB2	MANOR LOAM	B
MID3	MANOR LOAM	B
MID2	MANOR LOAM	B
MIC2	MANOR LOAM	B
Hq	HATBORO SILT LOAM	D

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR  
3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE 3H

APPROVED:

PLANNING DIRECTOR  
CHIEF, DEPT. OF COMMUNITY PLANNING & LAND DEVELOPMENT

DEPARTMENT CHIEF

BY THE DEPT. ENGINEER

APPROVED: FOR HOWARD COUNTY  
AND MOUNTAIN VIEW REGIONAL  
SOLID WASTE AND LEAD METAL CONTROL  
PROGRAMS

David M. Shannon 3-11-91  
CHIEF, REGIONAL ENGINEERING DIVISION

James M. Hahn 3/15/91  
CHIEF, REGIONAL ENGINEERING DIVISION

John R. Butcher 3/15/91  
CHIEF, REGIONAL ENGINEERING DIVISION

BEFORE BEGINNING CONSTRUCTION, INSTALL  
MISCELLANEOUS SIGNAGE AT 1:00 P.M. AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION.

STA. 339+00 TO STA. 401+00  
PEPCO POLE # 35 TO # 41  
SITE INVENTORY PLAN  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5

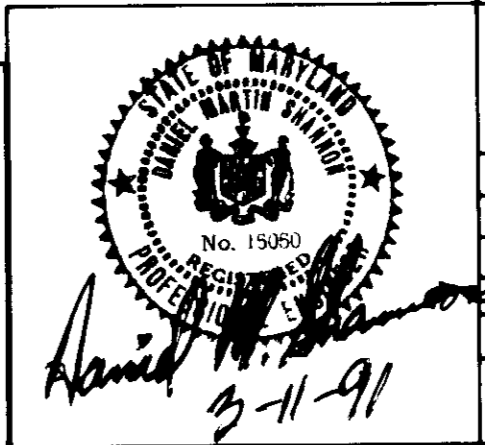
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40,41, & 42

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD

REVISIONS

ARCHITECT: ANDERSON  
ENGINEER: DANIEL J. O'BRIEN, P.E.  
NO. 15290  
1900 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20006

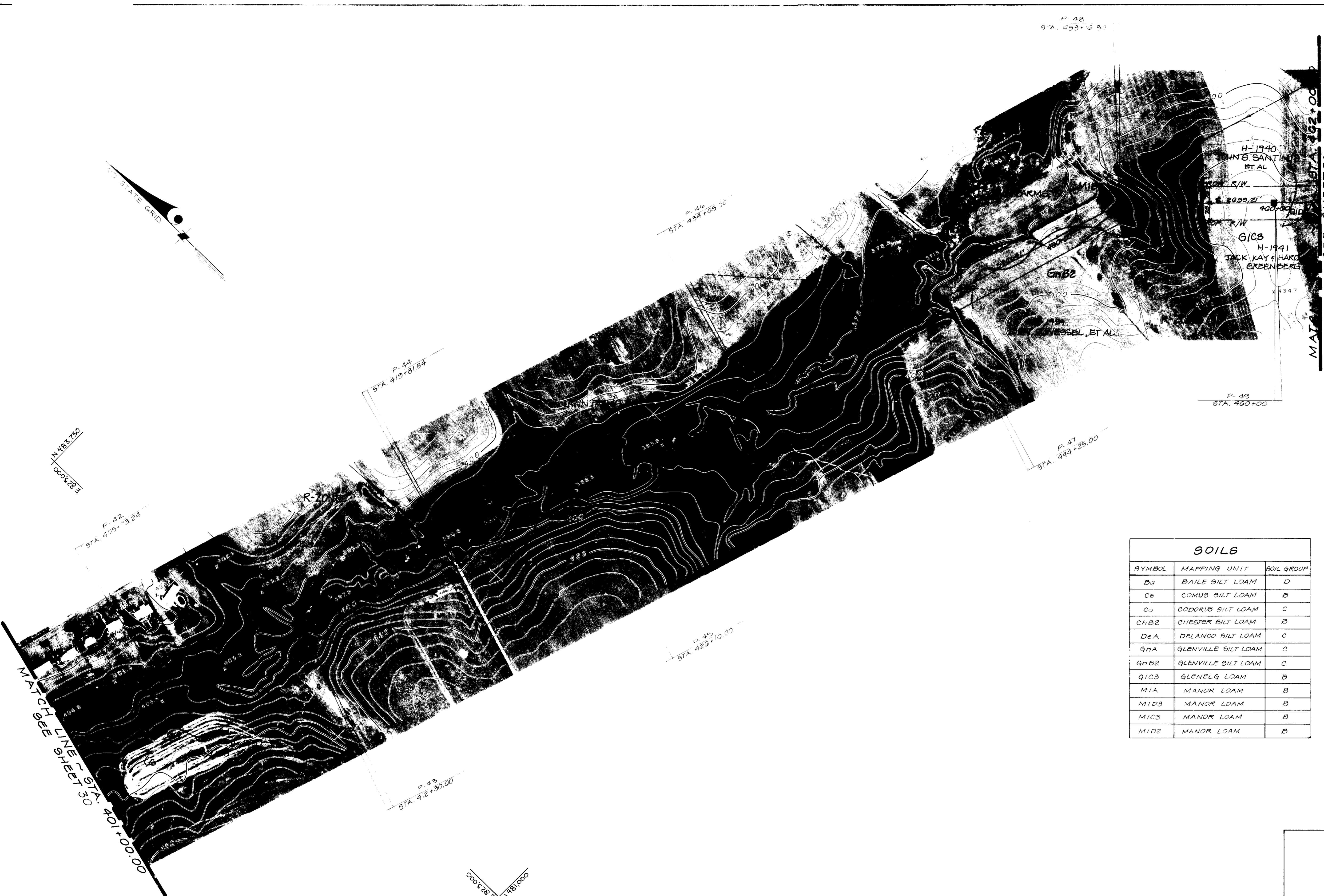
APPROVED: 3-11-91



POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20006

SCALE 1"=200'	APPD	APPD	APPD	APPD
DATE AUG. 90				
DR. BY				
CHKD.				
INSP.				

DESIGN: SAA DRAWN: EE CHKD: JMS DATE: 3-11-91 R-2490-X FILE NO.



SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
Bq	BAILE SILT LOAM	D
Cb	COMUS SILT LOAM	B
Cc	CODORUS SILT LOAM	C
ChB2	CHESTER SILT LOAM	B
DeA	DELANCO SILT LOAM	C
GnA	GLENVILLE SILT LOAM	C
GnB2	GLENVILLE SILT LOAM	C
GIC3	GLENELG LOAM	B
M1A	MANOR LOAM	B
MID3	MANOR LOAM	B
MIC3	MANOR LOAM	B
MID2	MANOR LOAM	B

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER/SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] 3-27-91  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: [Signature]  
 PLANNING DIRECTOR  
 CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT

BY THE DESIGNER:  
 [Signature]  
 ENGINEER

[Signature]  
 3-11-91

[Signature]  
 3/15/91

[Signature]  
 3/15/91

BE-041 BEGINNING CONSTRUCTION, CONTACT  
 MARYLAND DEPARTMENT OF TRANSPORTATION  
 48 HOURS PRIOR TO CONSTRUCTION

STA. 401+00 TO STA. 462+00  
 PEPCO POLE # 42 TO # 49  
 SITE INVENTORY PLAN  
 500 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40,41, & 42

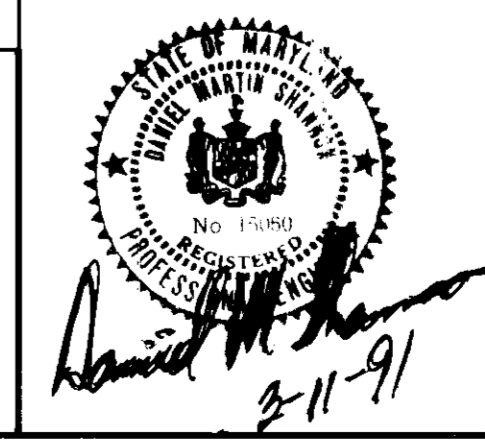
POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE: 1" = 200'	APPD	APPD	APPD	APPD
DATE: AUG. 90	9-11-91	9-11-91	9-11-91	9-11-91
DR. BY: [Signature]				
CHKD.:				
INSP.:				

DESIGN: SAA DRAWN: EE CHKD: DMS DATE: 9-11-91 R-2490-13  
 FILE NO. SDP-91-58

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							

ARCHITECTS & ENGINEERS  
 [Signature]  
 1991 STATE ROAD, SUITE 200  
 BETHESDA, MD. 20814



N 479,000 E 832,000



SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
B7	BAILE SILT LOAM	D
C4B	COMUS SILT LOAM	A
ChA	CHESTER SILT LOAM	B
ChC3	CHESTER SILT LOAM	B
C0	CODRUS SILT LOAM	C
Q1C3	GLEVELG LOAM	B
G1B2	GLEVELG LOAM	B
G7A	GLENVILLE SILT LOAM	C
G7B2	GLENVILLE SILT LOAM	C
M1D3	MANOR LOAM	B
M1C3	MANOR LOAM	B

P-53  
STA. 492+03.24

P-51  
STA. 478+25.00

MATCH LINE ~ SEE SHEET 33  
STA. 510+00.00

MATCH LINE ~ STA. 462+00.00  
SEE SHEET 31

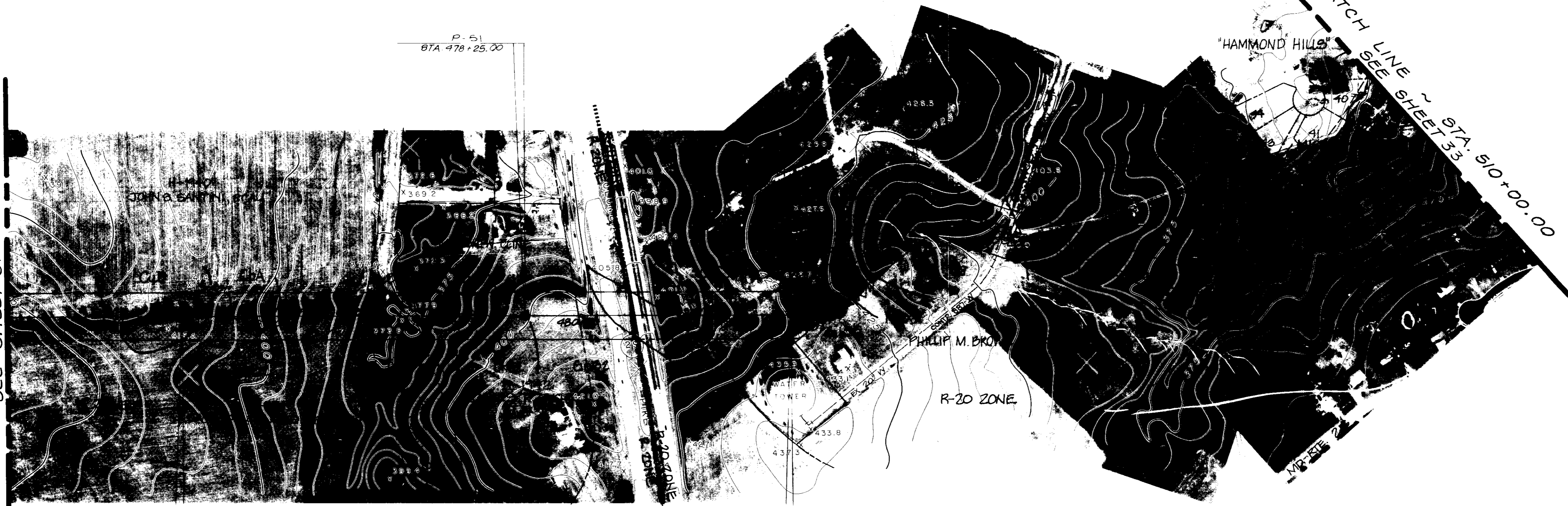
N 479,000 E 832,000

P-50  
STA. 467+50.00

P-52  
STA. 486+59.21

P-54  
STA. 501+92.98

N 479,000 E 832,000



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD COUNTY DEPT. OF PUBLIC WORKS  
DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF, BUREAU OF ENGINEERING \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: \_\_\_\_\_  
PLANNING DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT \_\_\_\_\_ DATE \_\_\_\_\_

BY THE DEVELOPER  
I hereby certify that this plan for erosion and sediment control is a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard County Conservation Ordinance.  
*D. Mastus* 3/11/91  
SIGNATURE OF DEVELOPER

BY THE ENGINEER  
I hereby certify that this plan for erosion and sediment control is a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard County Conservation Ordinance.  
*Raniel M. Shannon* 3-11-91  
SIGNATURE OF ENGINEER

*James M. Hahn* 3/15/91  
DATE OF CONSTRUCTION

*John E. Robertson* 3/15/91  
DATE OF CONSTRUCTION

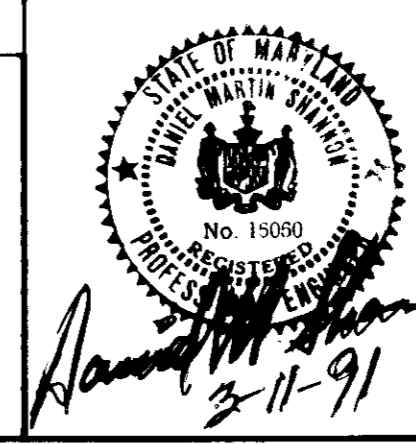
BEFORE BEGINNING CONSTRUCTION, CONTACT  
MUSKIE AT 1-800-257-7272 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION.

STA. 462+00 TO STA. 510+00  
PEPCO POLE # 50 TO # 54  
SITE INVENTORY PLAN  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE 1" = 200'	APPD	APPD	APPD	APPD
DATE AUG. 90	APPD	APPD	APPD	APPD
DR. BY	APPD	APPD	APPD	APPD
CHKD.	APPD	APPD	APPD	APPD
INSP.	APPD	APPD	APPD	APPD



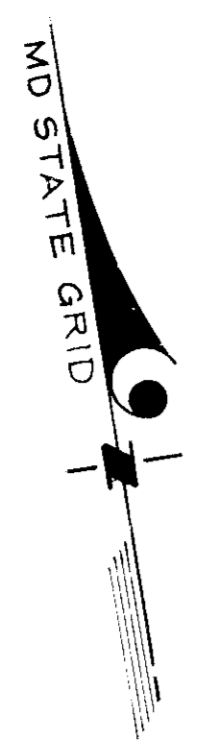
APPROVED: \_\_\_\_\_  
DATE: 3-11-91

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD
REVISIONS							

SDP-91-58

SOILS		
SYMBOL	MAPPING UNIT	SOIL GROUP
C0	CODORUS SILT LOAM	C
ChC3	CHESTER SILT LOAM	B
ChD2	CHESTER SILT LOAM	B
GID3	GLEVELG LOAM	B
Hg	HATBORO LOAM	D
MIC3	MANOR LOAM	B
MID3	MANOR LOAM	B
MID2	MANOR LOAM	B
MIB2	MANOR LOAM	B

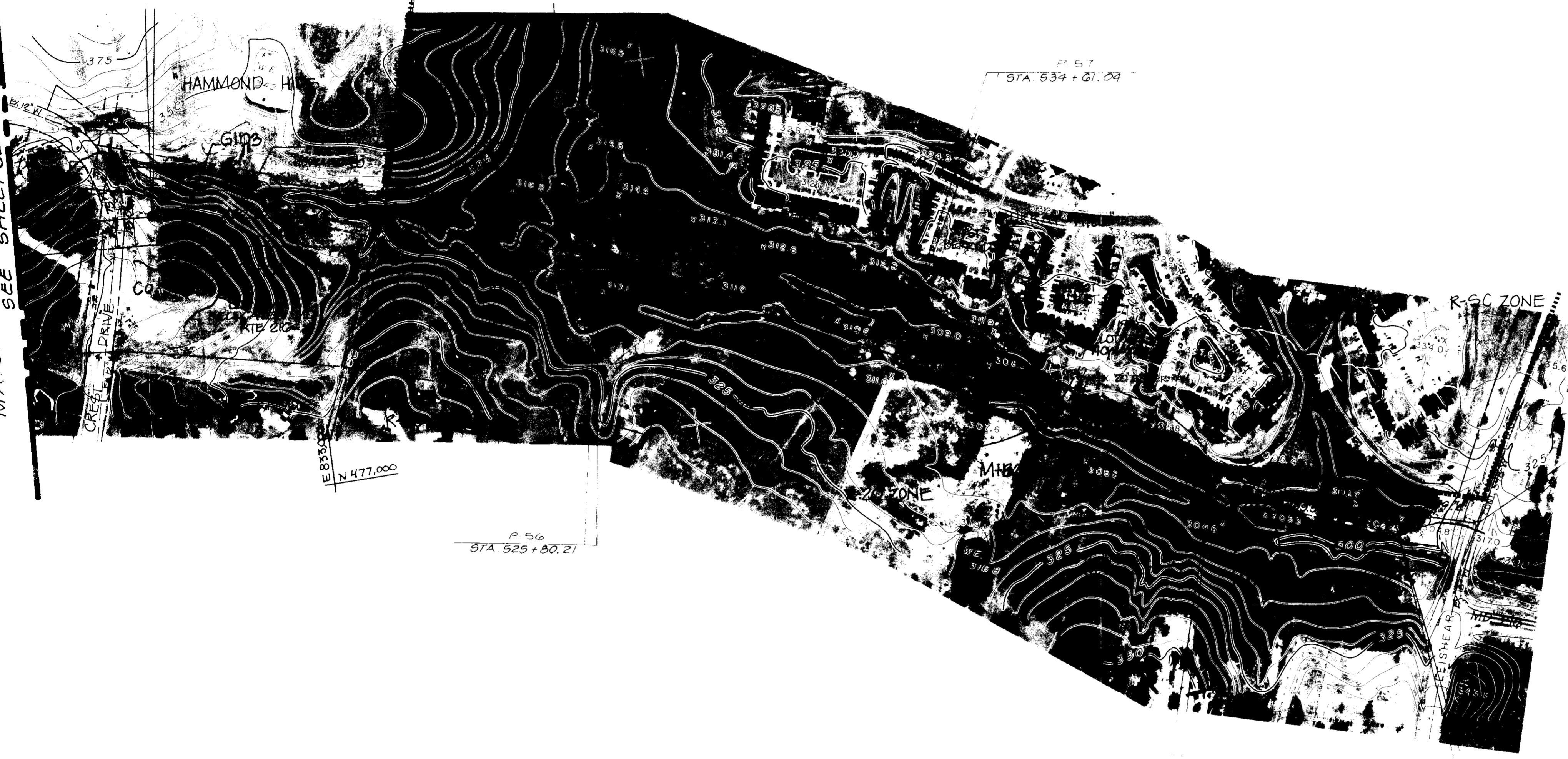
E 832,000  
N 479,000



P 55  
STA. 513+70.07

R-20 ZONE R-SC ZONE

MATCH LINE ~ STA. 510+00.00  
SEE SHEET 32



E 836,000  
N 477,000

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
*OSession & Ryan*  
CHIEF, BUREAU OF ENGINEERING  
DATE: 3-11-91

APPROVED: FOR COMMUNITY PLANNING & DEVELOPMENT  
HOWARD COUNTY DEPARTMENT OF COMMUNITY PLANNING & DEVELOPMENT  
CHIEF, DEPT. OF COMMUNITY PLANNING & DEVELOPMENT  
*James Roth*  
DATE: 3-11-91

BY THE ENGINEER  
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATIONS FOR THE PROPOSED 500 KV TRANSMISSION LINE BRIGHTON TO HIGH RIDGE, HOWARD COUNTY, MARYLAND, WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND.  
*David M. Shannon*  
SIGNATURE OF ENGINEER  
DATE: 3-11-91

BY THE ARCHITECT  
I HEREBY CERTIFY THAT THIS PLAN FOR ARCHITECTURAL AND CIVIL ENGINEERING WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ARCHITECT IN THE STATE OF MARYLAND.  
*John M. Helms*  
SIGNATURE OF ARCHITECT  
DATE: 3/15/91

BY THE DEVELOPER  
I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATIONS FOR THE PROPOSED 500 KV TRANSMISSION LINE BRIGHTON TO HIGH RIDGE, HOWARD COUNTY, MARYLAND, WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND.  
*John R. Robertson*  
SIGNATURE OF DEVELOPER  
DATE: 3/15/91

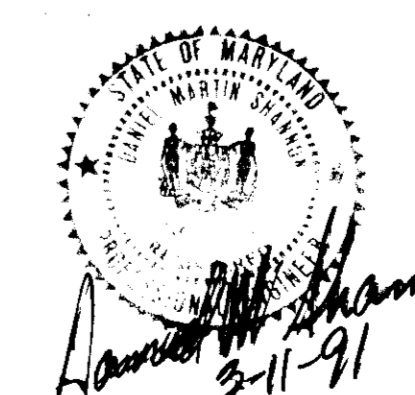
BEFORE BEGINNING CONSTRUCTION, CONTACT HOWARD COUNTY AT 1-800-261-1000 AT LEAST 24 HOURS PRIOR TO CONSTRUCTION.

STA. 510+00 TO STA. 551+28.99  
PEPCO POLE # 55 TO # 59  
SITE INVENTORY PLAN  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40,41, & 46

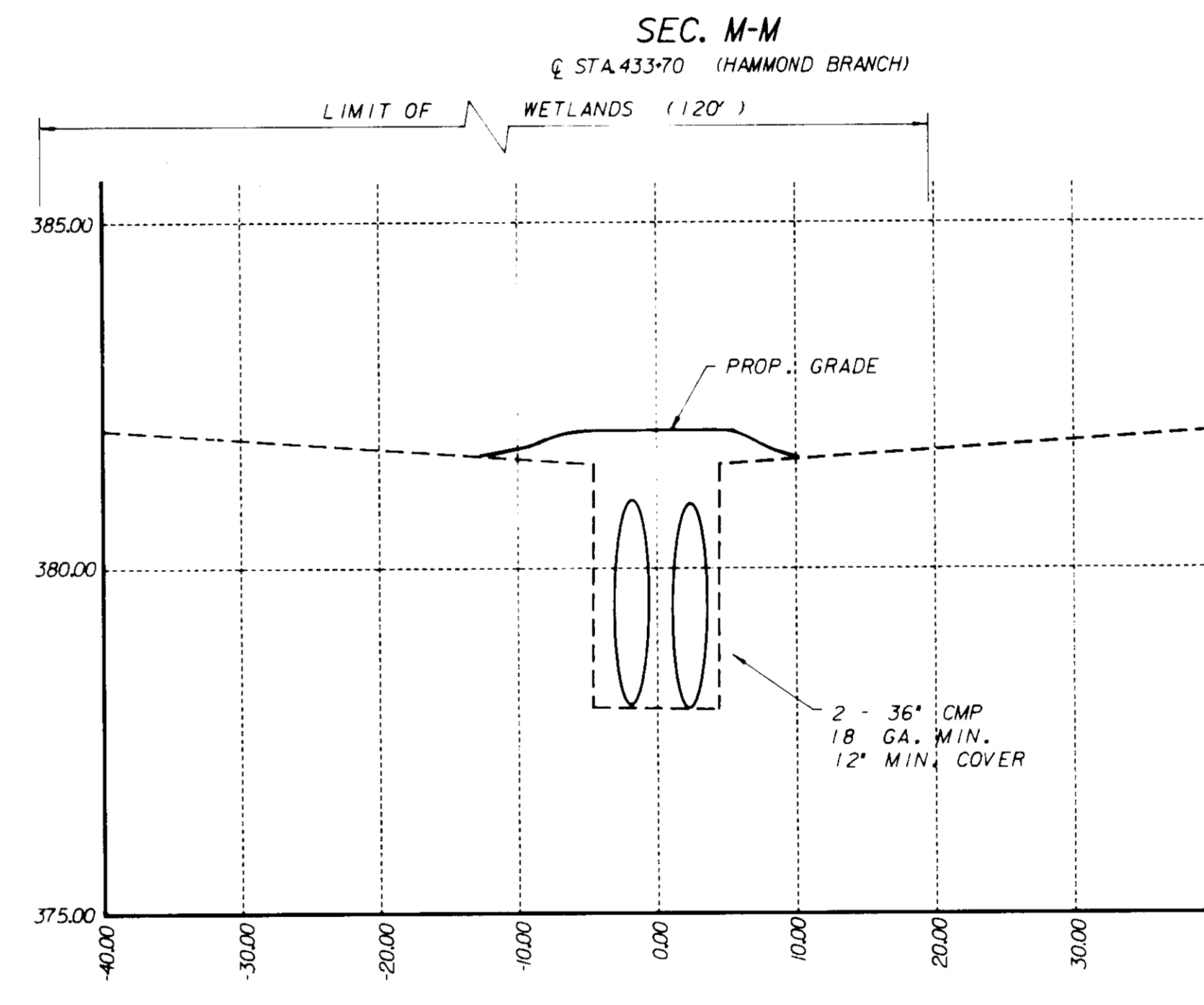
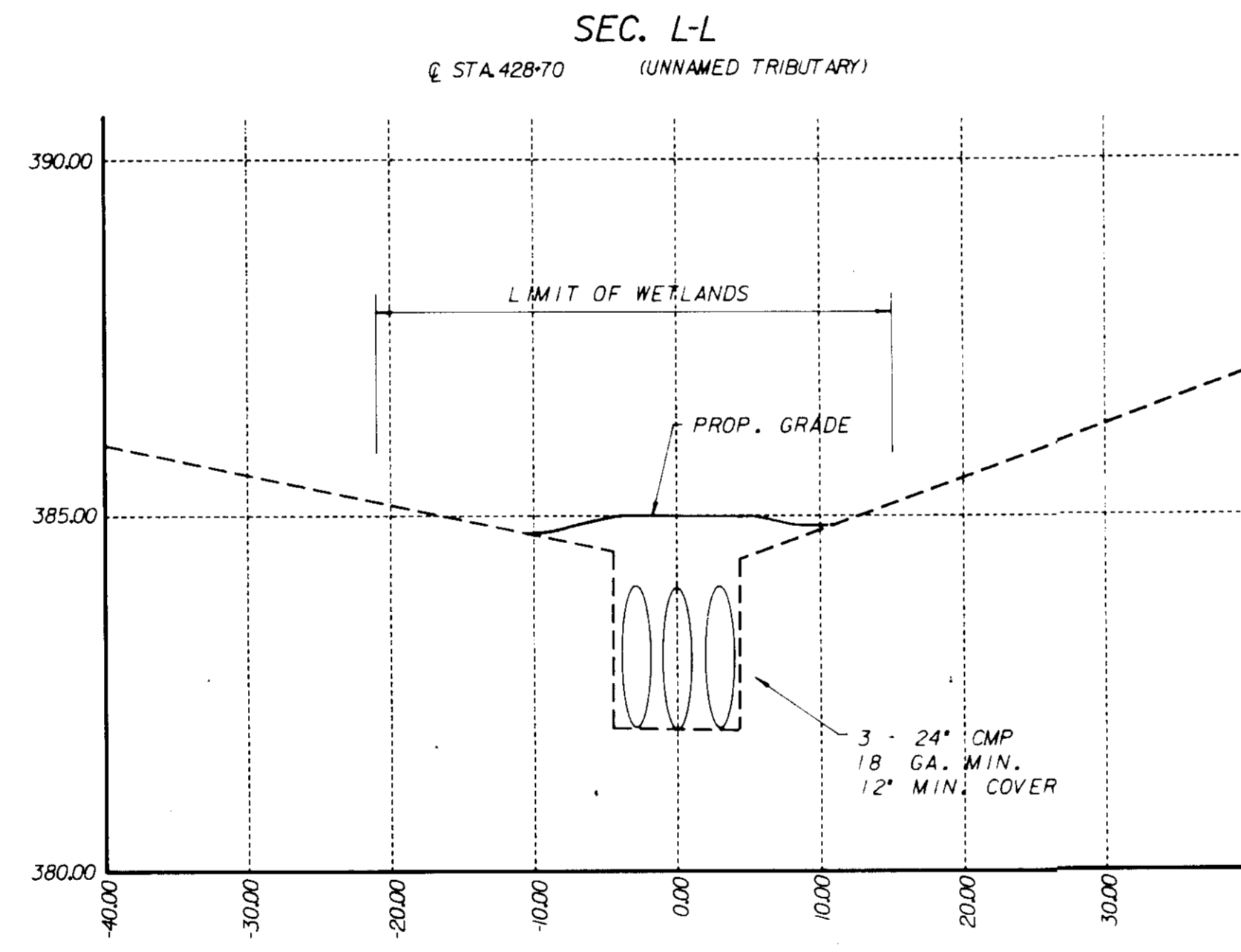
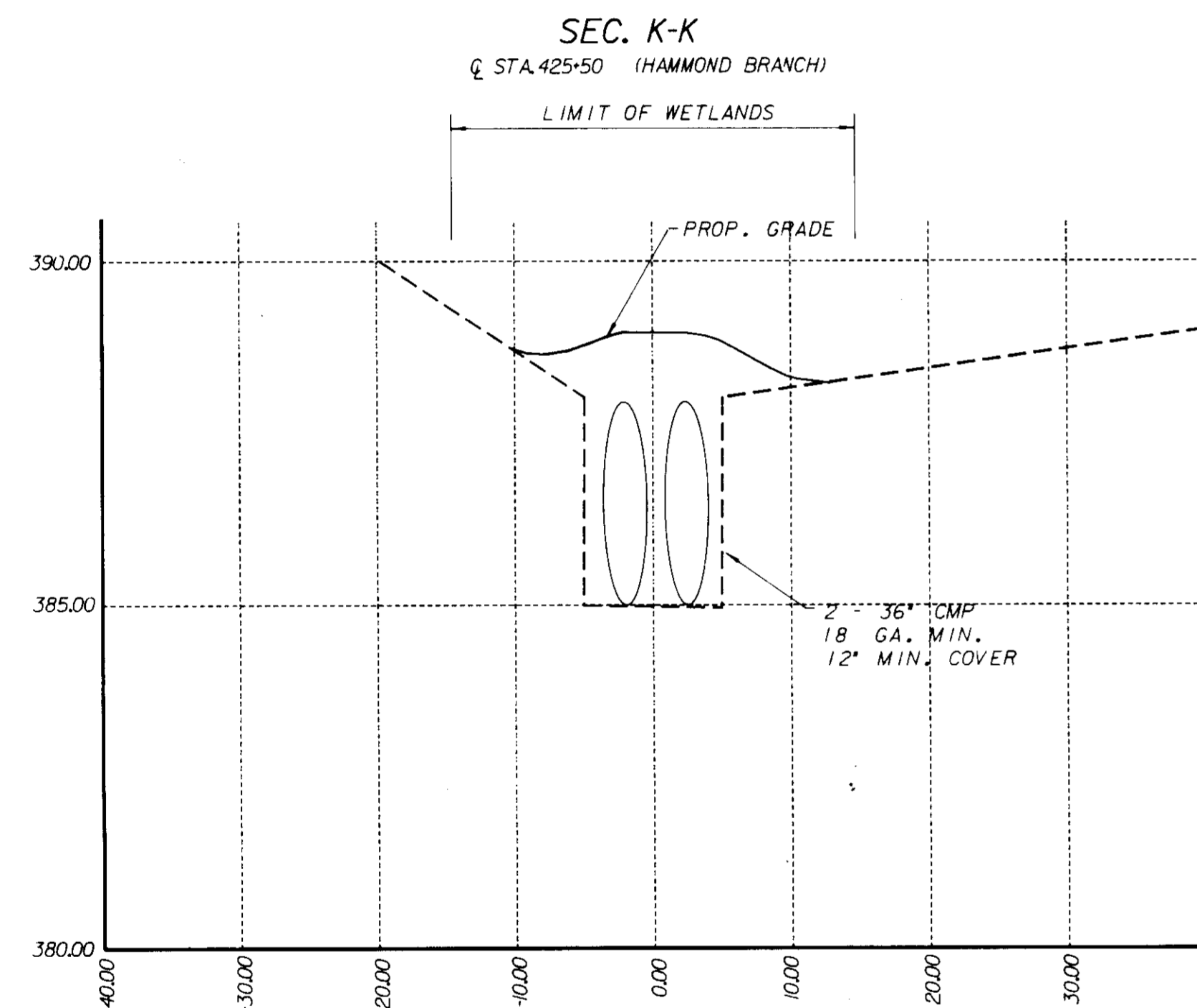
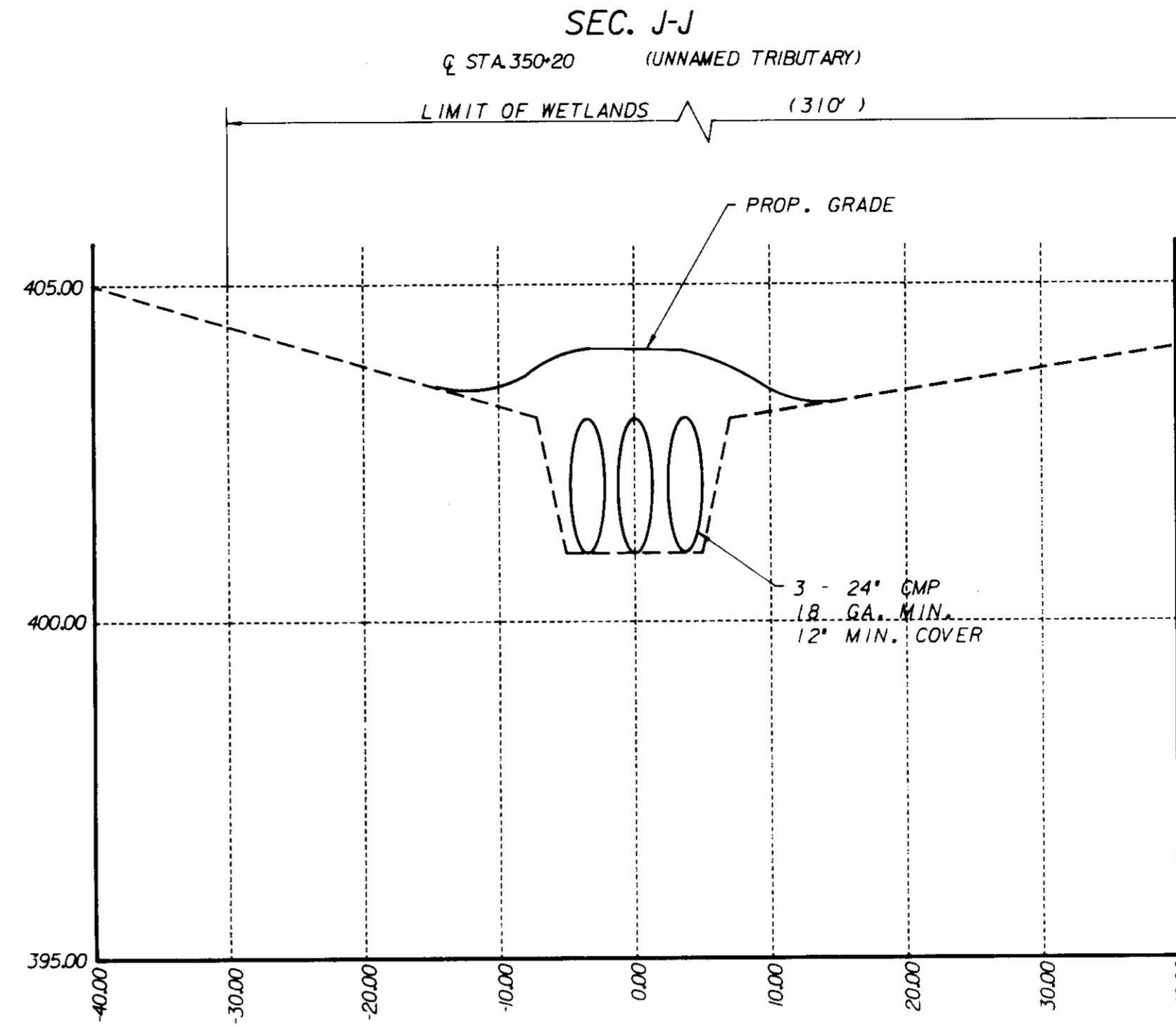
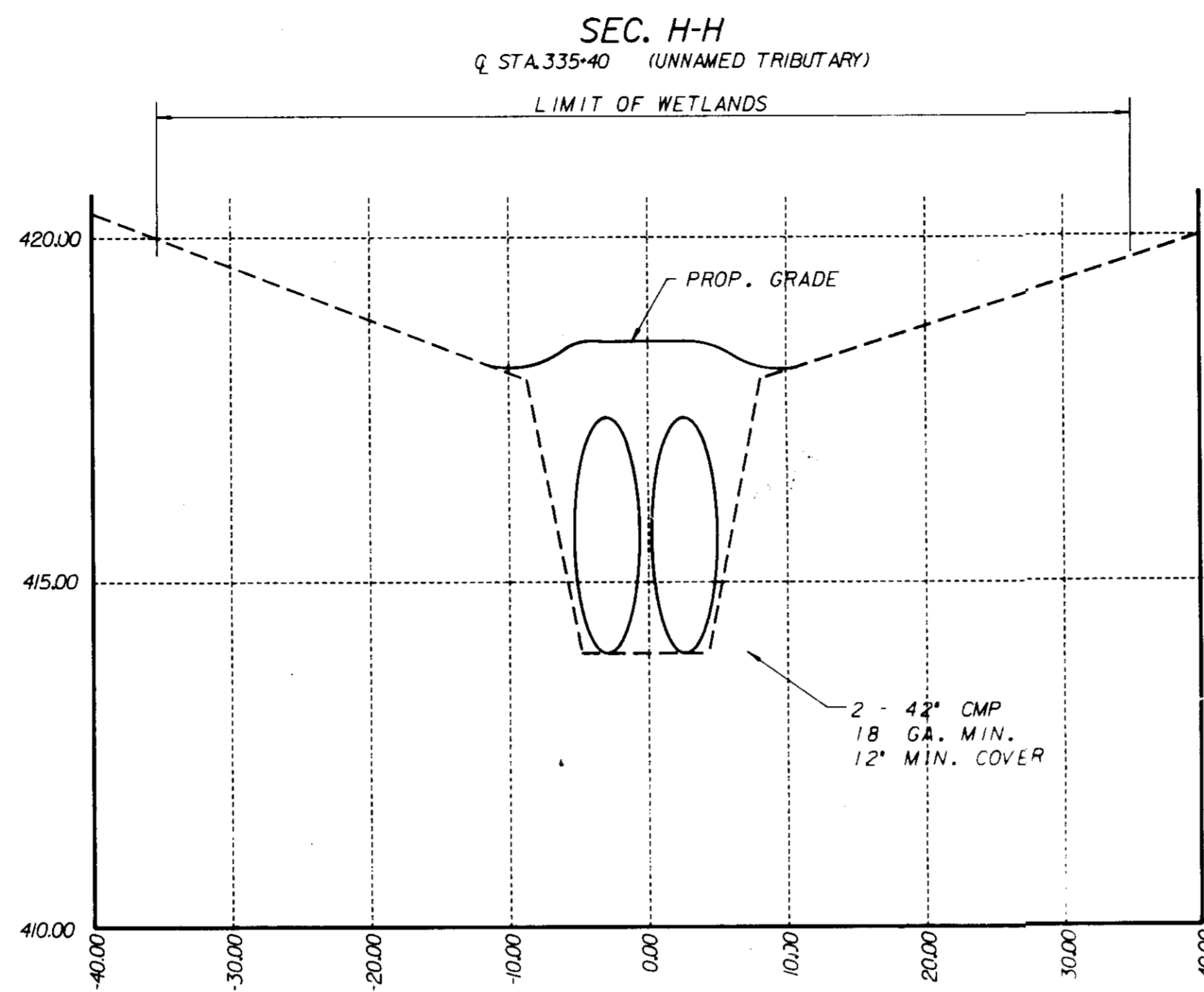
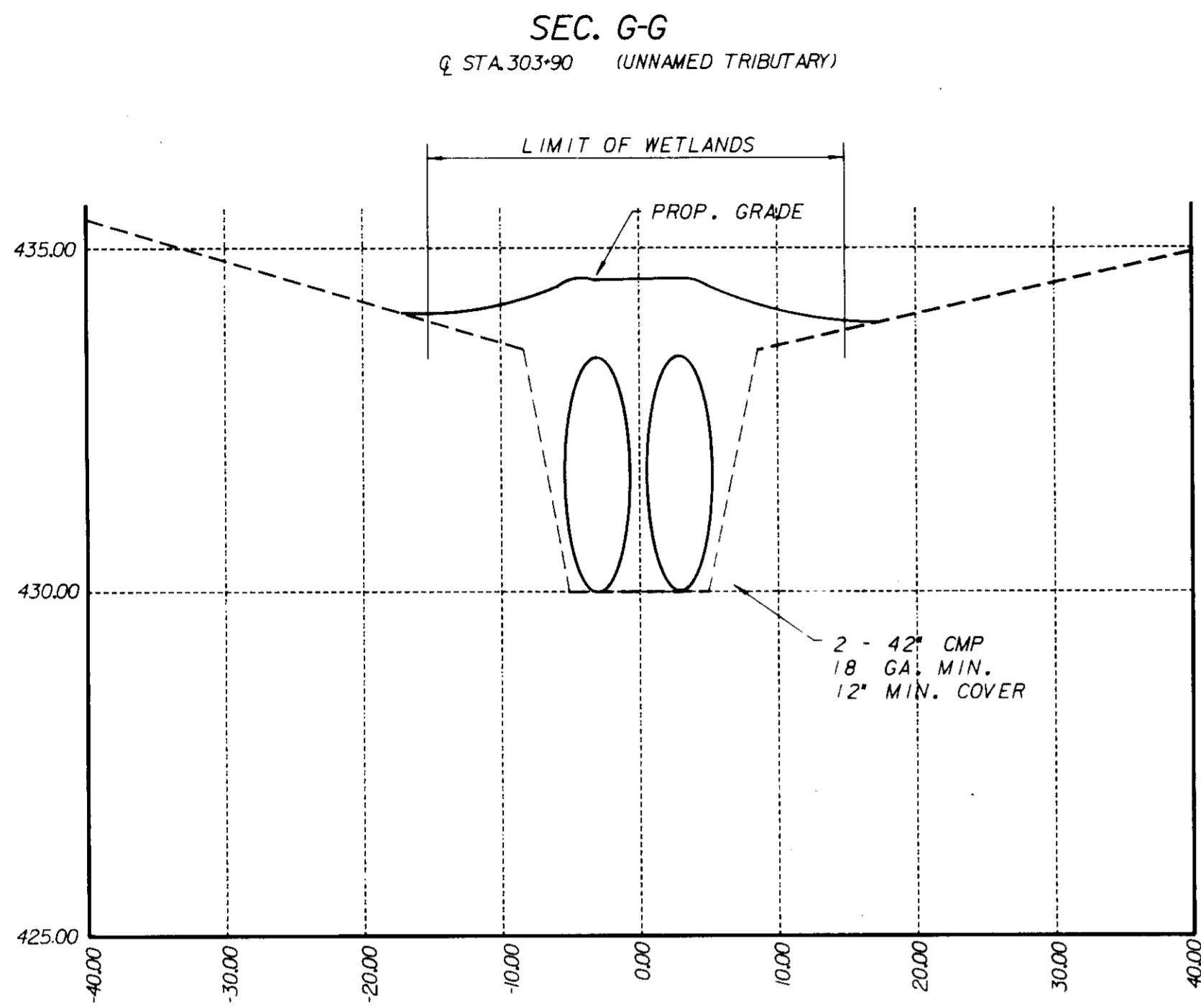
POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20068

SCALE: 1" = 200'	APPD	APPD	APPD	APPD	T-500-29
DATE: AUG. 90	1-11-91	1-11-91	1-11-91		3-11-91
DR. BY:					
INSP.:					
DESIGN: AA	DRAWN: EE	CHKD: DMG	DATE: 3-11-91	R-2490	FILE NO.



ARCHITECT: JOHN M. HELMS, INC.  
15 HUNTERS CREEK DRIVE, SUITE 100  
ROCKVILLE, MD. 20850  
(301) 988-0891  
ARCHITECTS: ATLANTA, GA • AUBURN, LA • CHARLOTTE, NC • CHARLOTTE, VA • FULTON, VA • GREENBELT, MD • HAGERSTOWN, MD • MANASSAS, VA • ROCKVILLE, MD • WASHINGTON, DC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
REVISIONS						



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*Joseph M. Pagan* 4-3-91  
 COUNTY HEALTH OFFICER 11 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD CO. DEPT. OF PUBLIC WORKS

*James M. Laney* 3/27/91  
 DIRECTOR DATE  
*Robert C. Laney* 3-27-91  
 CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
 PLANNING & ZONING

*James R. Smith* 4/9/91  
 PLANNING DIRECTOR DATE  
*Paul C. DeAngelis* 7/1/91  
 CHIEF, DIV. OF COMMUNITY PLANNING & DEVELOPMENT DATE  
 SEDIMENT CONTROL

BY THE DEVELOPER:  
 "I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION  
 WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY  
 RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION  
 PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A  
 DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM  
 FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE  
 BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC  
 ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION  
 DISTRICT."

*William S. ...* 3-11-91  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT  
 CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED  
 ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT  
 IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF  
 THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. ...* 3-11-91  
 SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
 AND MEETS TECHNICAL REQUIREMENTS.  
*James M. ...* 3/15/91  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
 SOIL EROSION AND SEDIMENT CONTROL BY  
 THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. ...* 3/15/91  
 HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
 MISS UTILITY AT 1-800-257-7777 AT LEAST  
 48 HOURS PRIOR TO CONSTRUCTION

STREAM CROSSINGS  
 SEC. G-G TO SEC. M-M  
 500 KV TRANSMISSION LINE  
 BRIGHTON TO HIGH RIDGE  
 HOWARD COUNTY SEGMENT

ZONE: R-R-20 R-SC HOWARD COUNTY, MARYLAND  
 ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40, 41, & 46

POTOMAC ELECTRIC POWER CO.  
 ENGINEERING DEPT.  
 1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE: HORIZ. 1" = 10'	APPD	APPD	APPD	APPD	TL-500-295 34 of 37
DATE: SEPT. 90	9-11-90	9-11-90	11/12/90		
DR BY: RUP	GPC	FA			
CHKD: INSP.					
DESIGN: SAA	DRAWN: CADW	CHKD: DM	DATE: 9-90	R-2490-X	FILE NO.

BEFORE BEGINNING CONSTRUCTION  
 CONTACT  
 "Miss Utility"  
 AT 1-800-257-7777  
 AT LEAST 48 HOURS  
 PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
 16020 SHADY GROVE ROAD, SUITE 300  
 ROCKVILLE, MD. 20850  
 (301) 738-3880

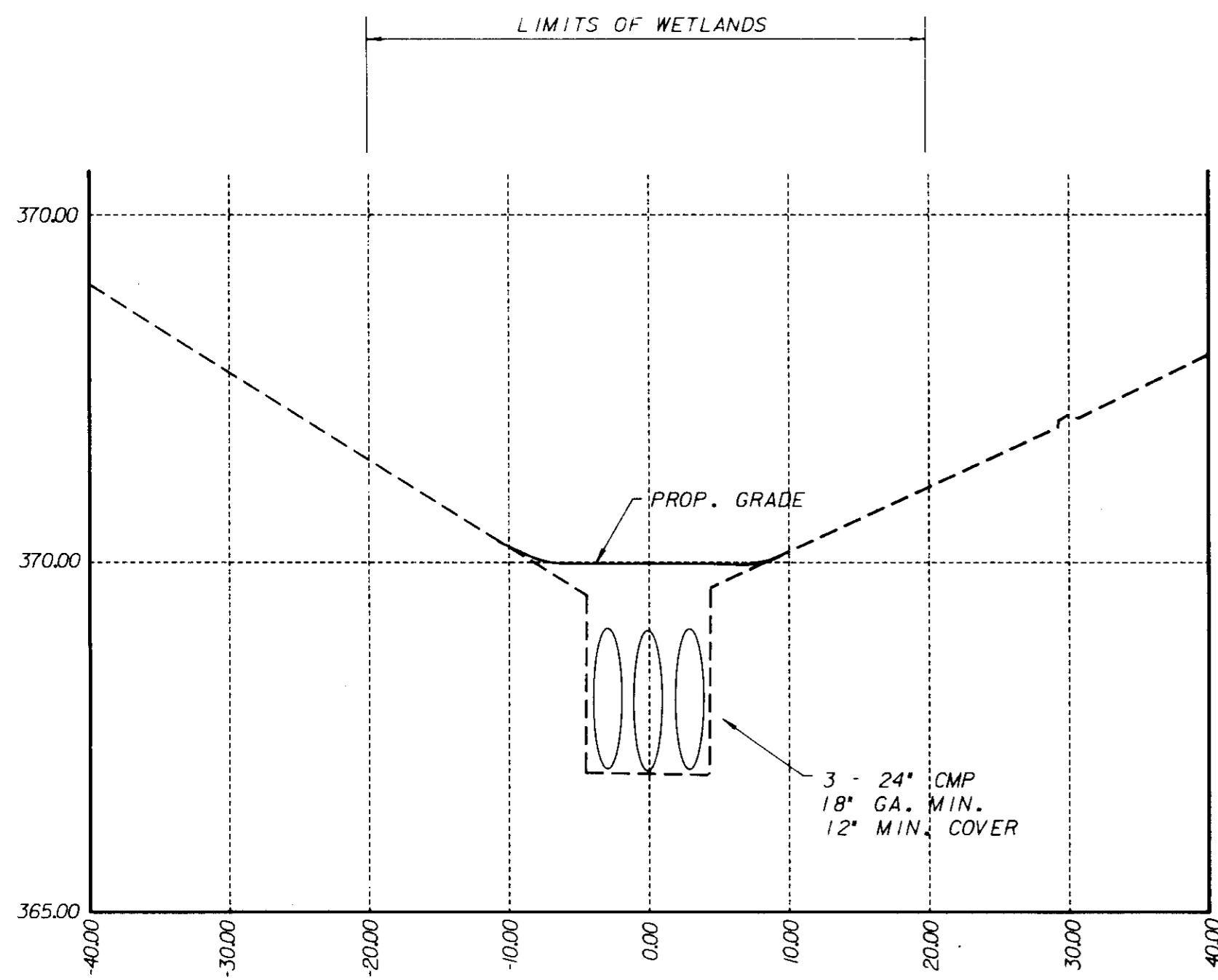
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 LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



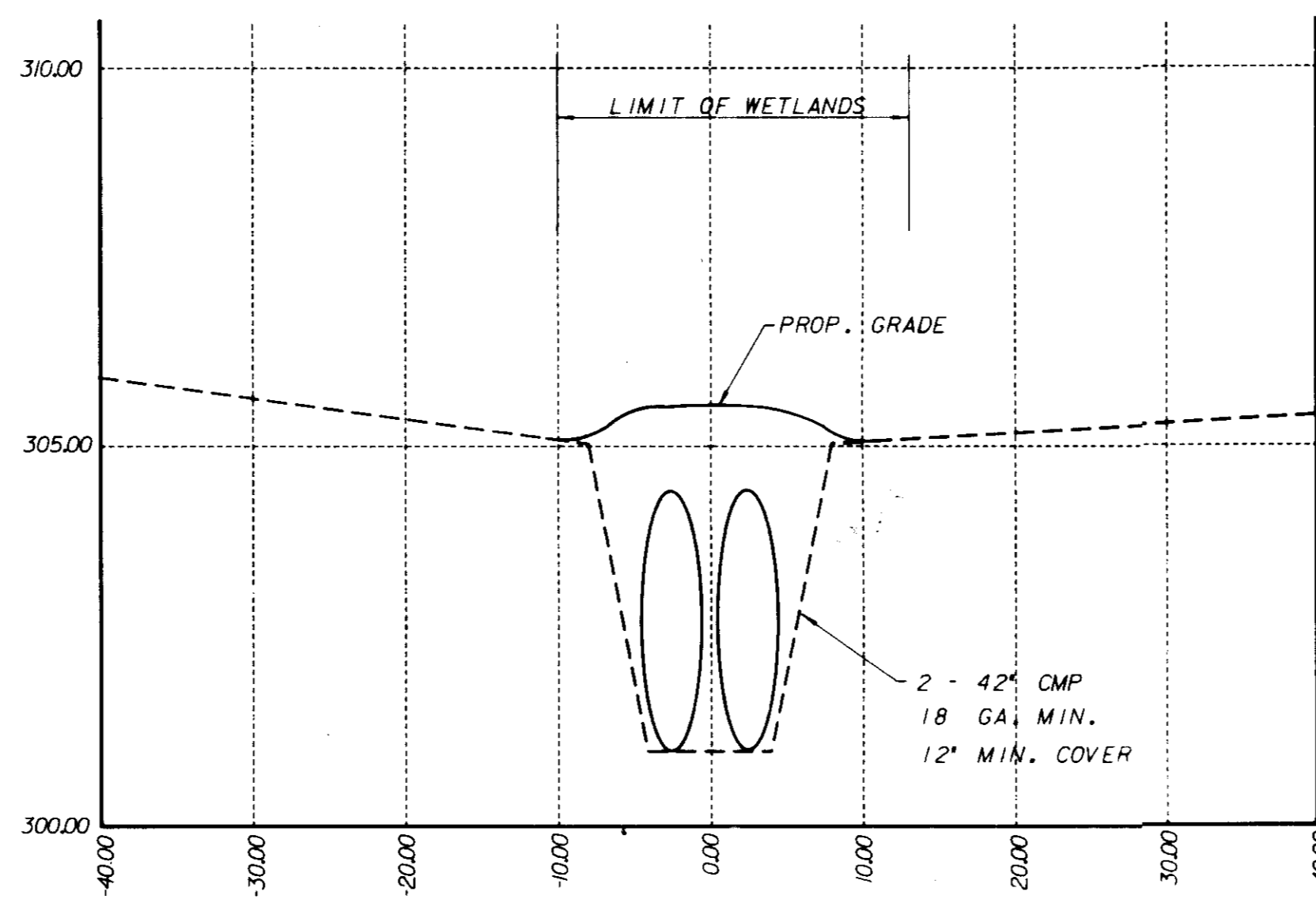
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REVISIONS

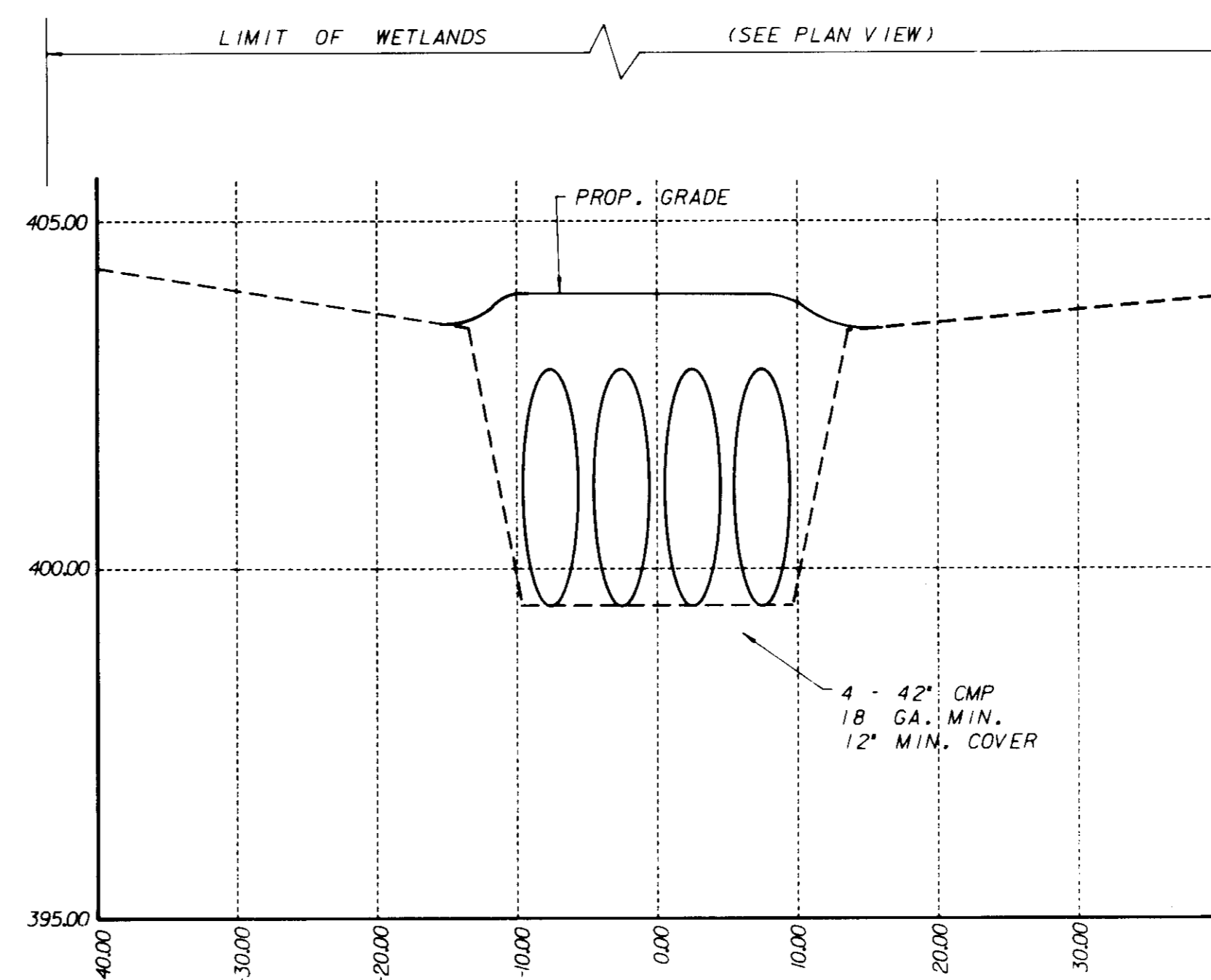
SEC. N-N  
Q STA. 442+90 (HAMMOND BRANCH)



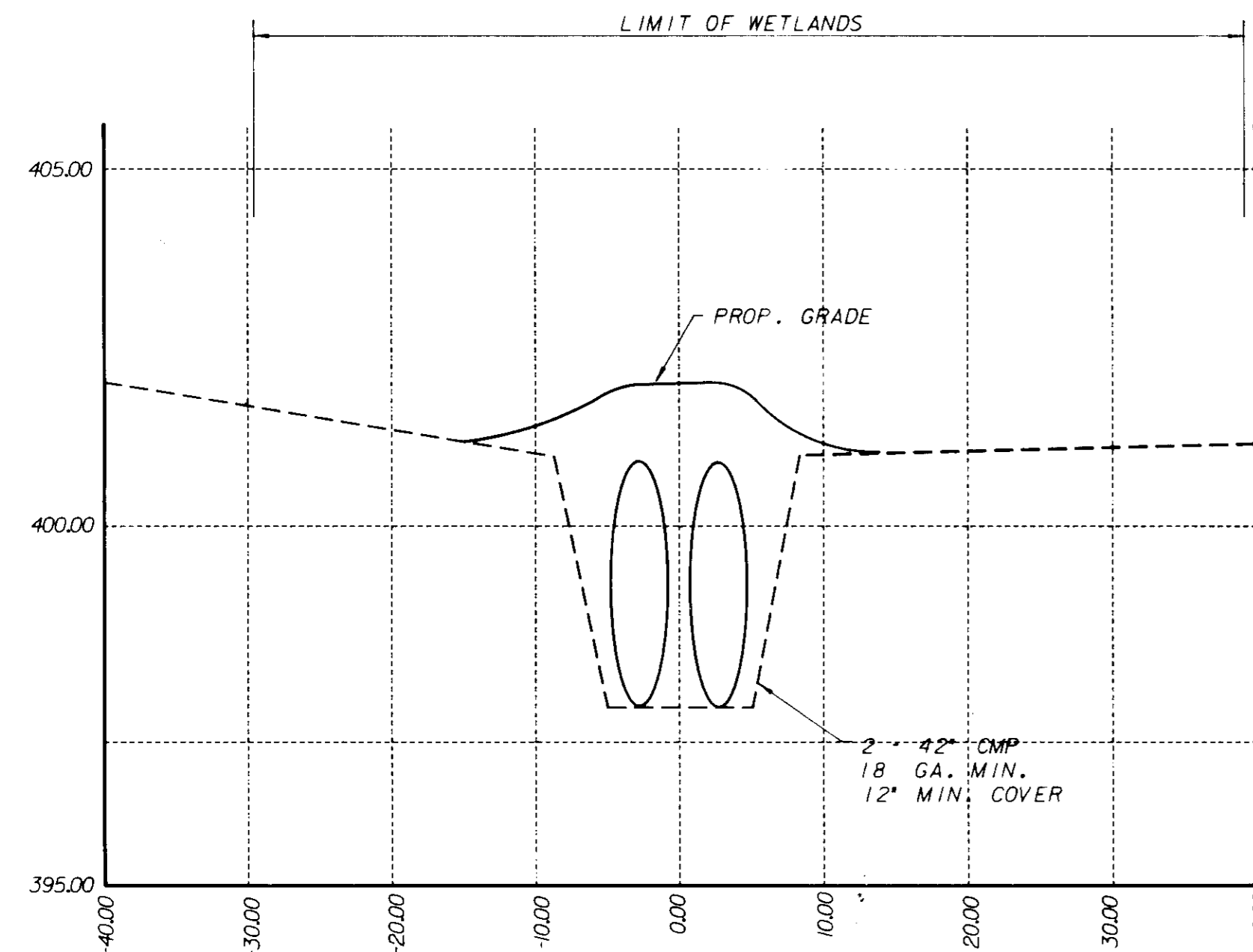
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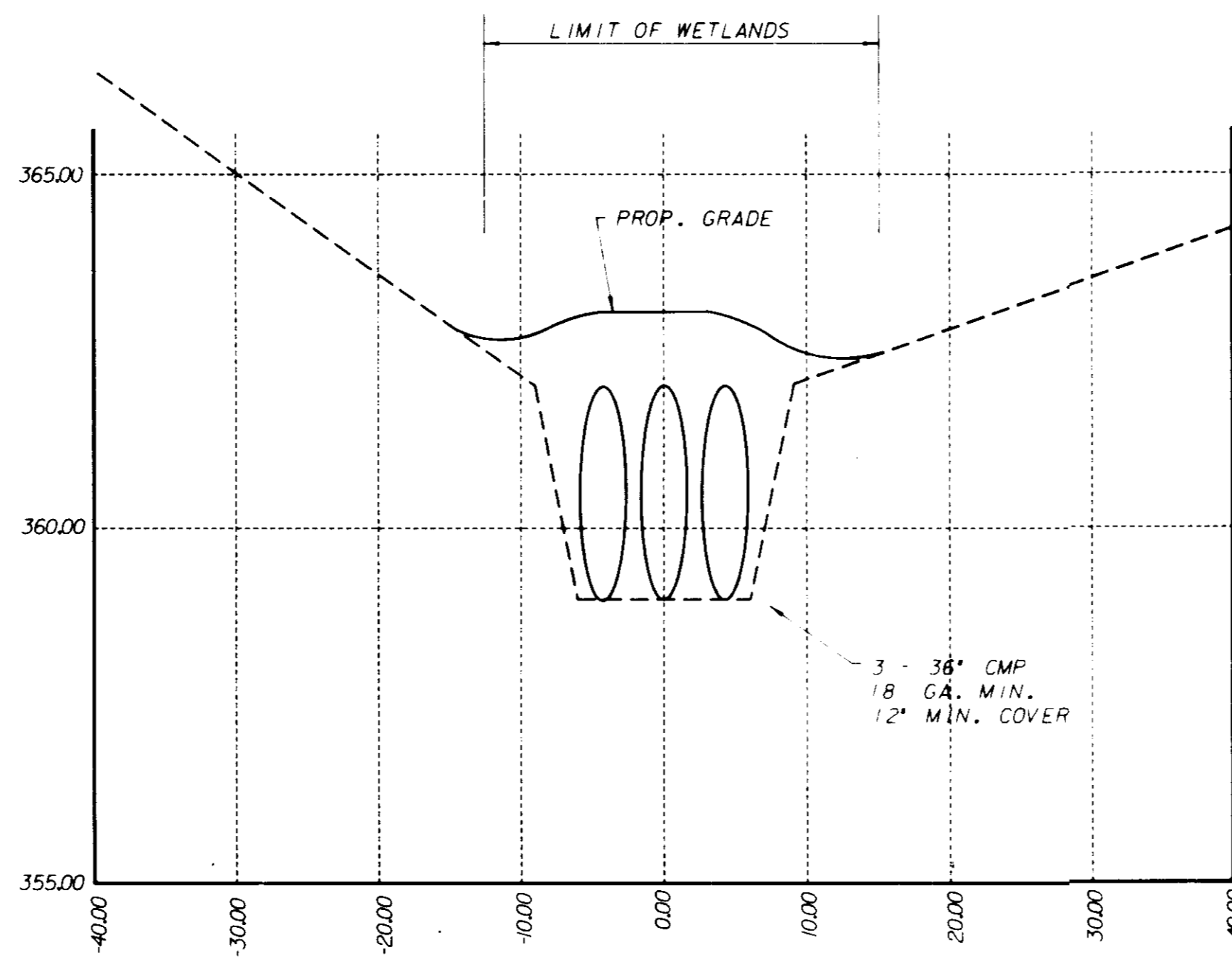
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Q STA. 407+40 (HAMMOND BRANCH)



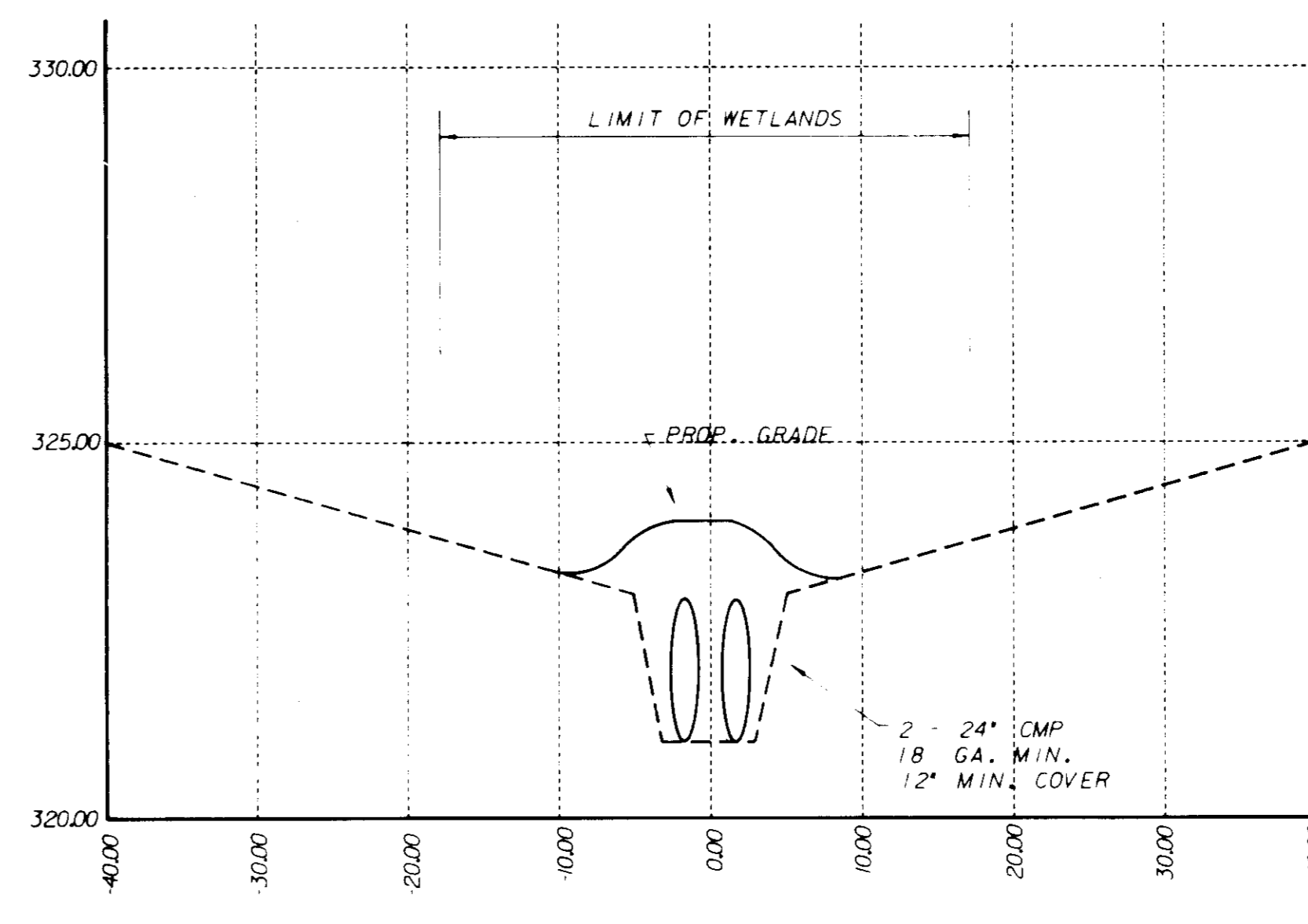
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Q STA. 411+40 (HAMMOND BRANCH)



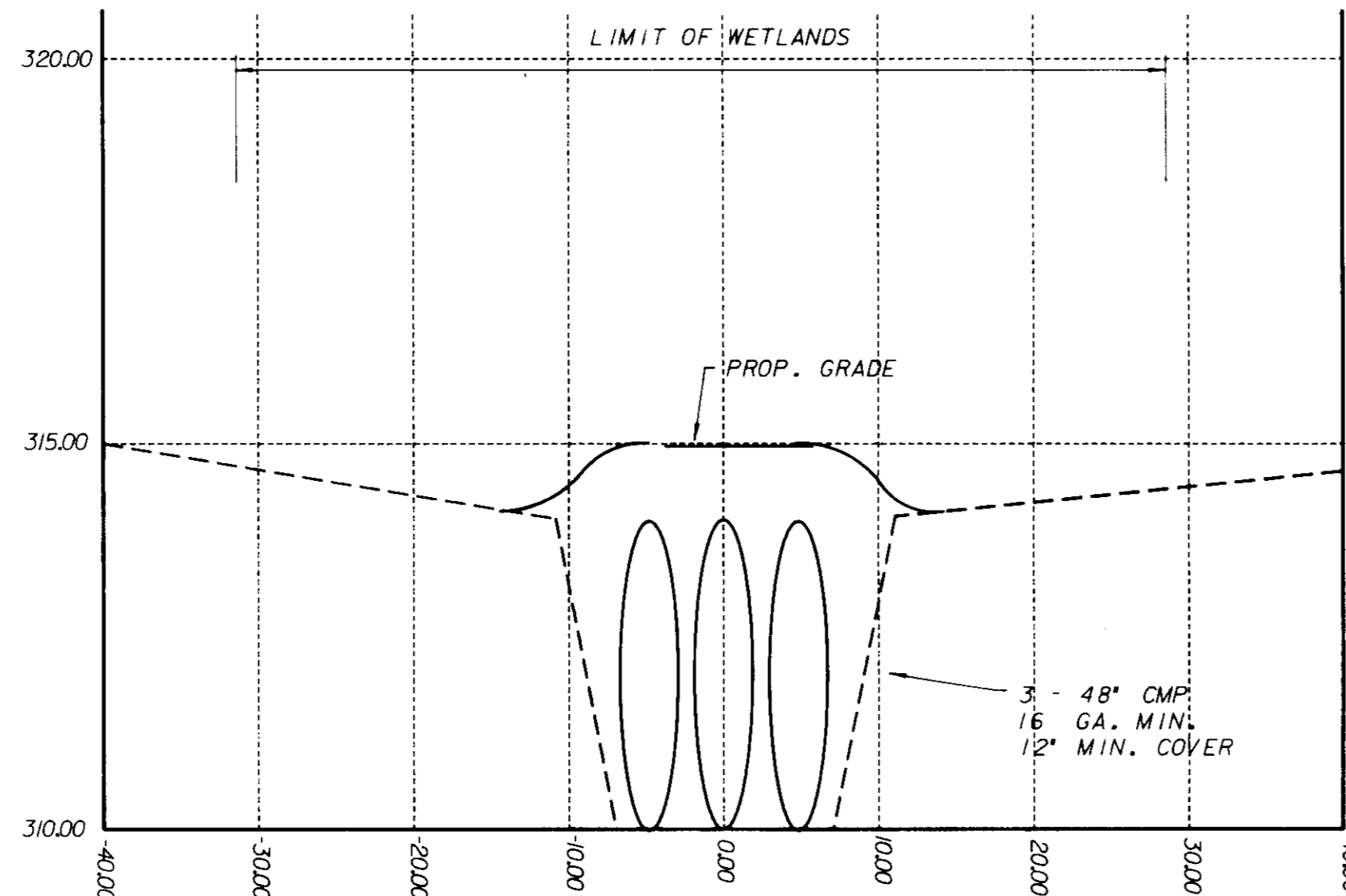
SEC. S-S  
Q STA. 502+10 (TRIBUTARY TO HAMMOND BRANCH)



SEC. T-T  
Q STA. 518+80 (HAMMOND BRANCH)



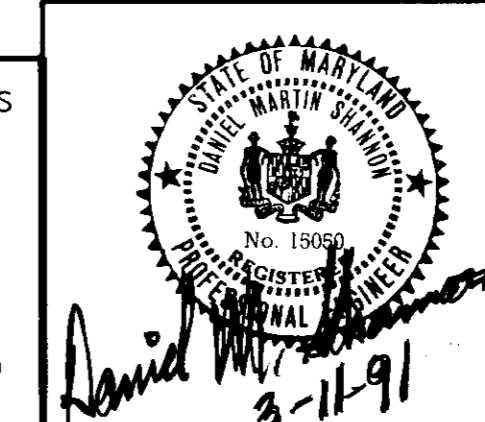
SEC. U-U  
Q STA. 524+70 (HAMMOND BRANCH)



BEFORE BEGINNING CONSTRUCTION CONTACT  
"Miss Utility"  
AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Jocelyn B...* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS  
*James P. ...* 3/27/91  
DIRECTOR DATE  
*...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE SH

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING  
*...* 4/9/91  
PLANNING DIRECTOR DATE  
*...* 4/2/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE SHS

SEDIMENT CONTROL

BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION, BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE FINANCIAL SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*David M. Williams* 3-11-91  
SIGNATURE OF ENGINEER MD 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND METS TECHNICAL REQUIREMENTS  
*...* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*John K. Robertson* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

STREAM CROSSINGS  
SEC. N-N TO SEC. T-T  
500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R-R-20, R-SC HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT 1 & 5 ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE: HORIZ. 1" = 40' VERT. 1" = 10'

DATE	9-11-90	9-11-90	9-11-90	9-11-90
DR. BY	RWP	GP	EM	
CHKD.				
INSP.				

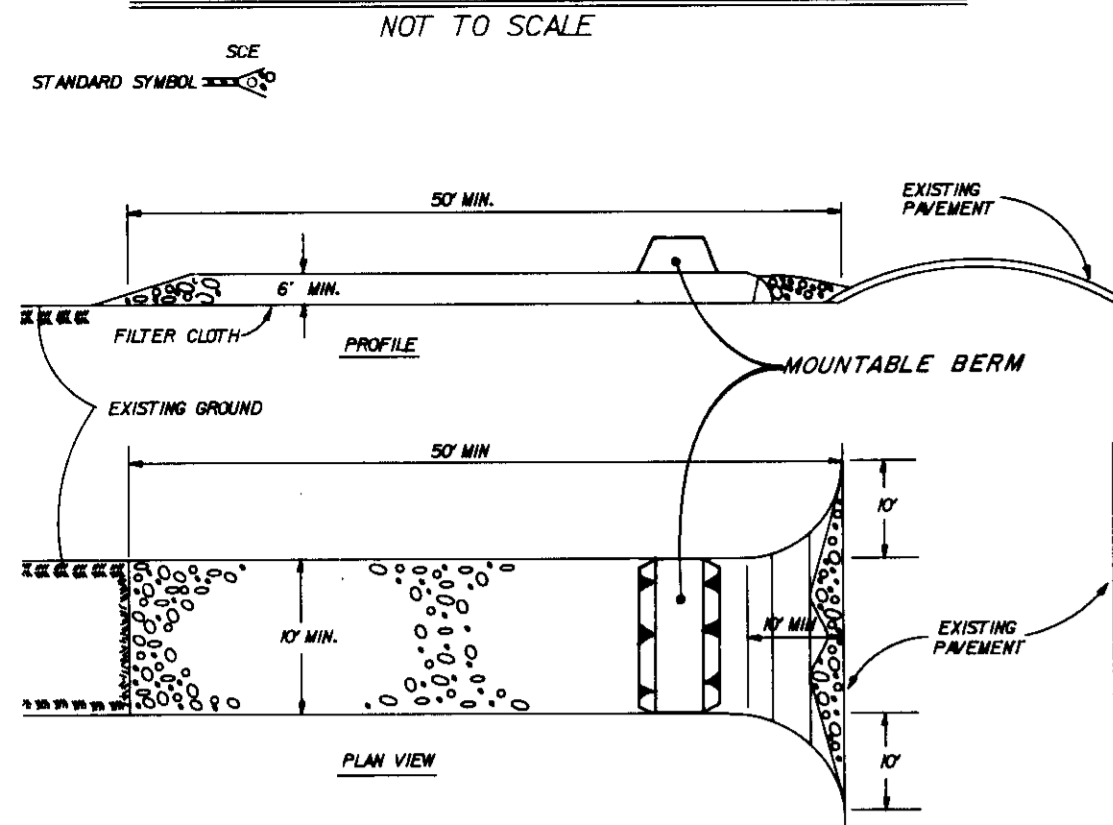
TL-500-295  
35 OF 37

DESIGN: SAA DRAWN: CADD CHECK: DMS DATE: 9-90 FILE NO. R-2490-X

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD	APPD

REVISIONS

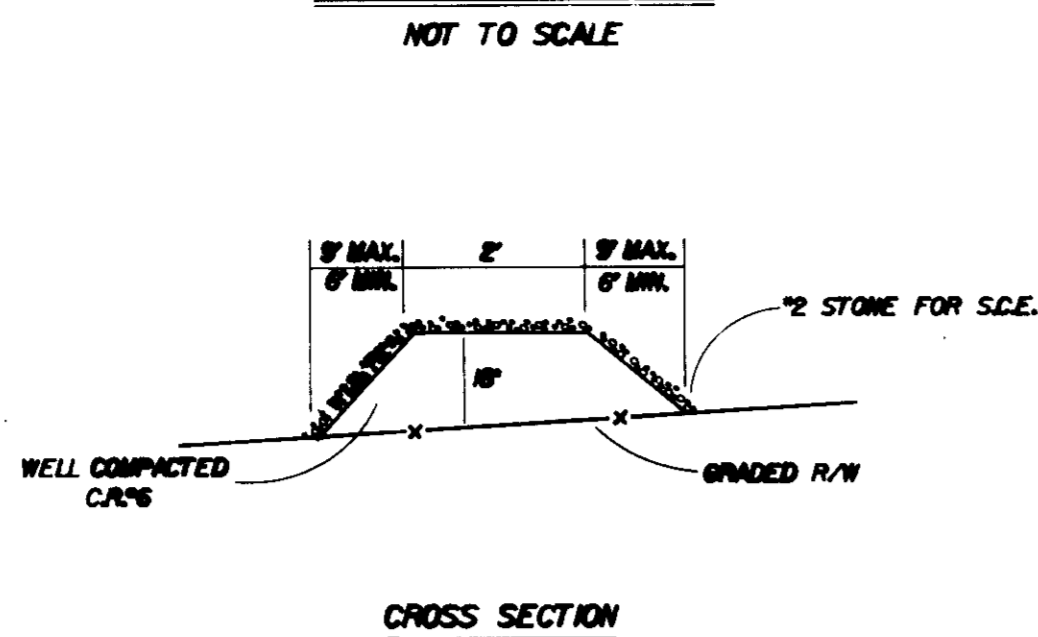
**STABILIZED CONSTRUCTION ENTRANCE**



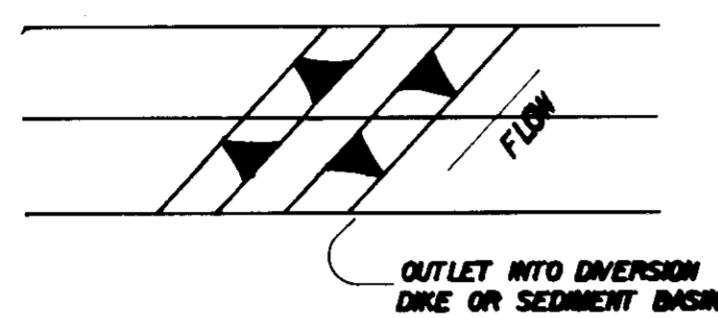
**CONSTRUCTION SPECIFICATIONS**

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEARING OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WASHING IS REQUIRED. IT SHALL BE DONE IN AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**MOUNTABLE BERM**



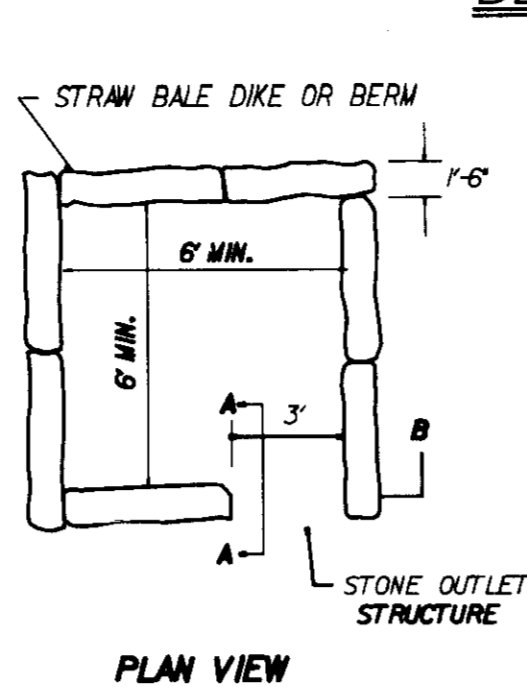
CROSS SECTION



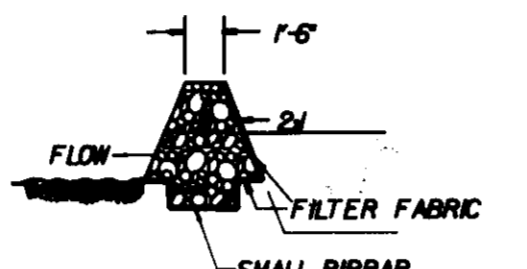
PLAN VIEW

OUTLET INTO DIVERSION DIKE OR SEDIMENT BASIN

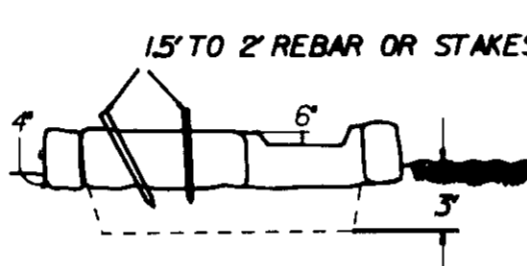
**DEWATERING BASIN**



PLAN VIEW



SECTION A A



SECTION B B

**DESCRIPTION**

THE WORK SHALL CONSIST OF THE CONSTRUCTION OF A DEWATERING BASIN FOR THE PURPOSE OF RECEIVING SEDIMENT-LADEN WATER PUMPED FROM A CONSTRUCTION SITE TO ALLOW FILTRATION BEFORE THE WATER RE-ENTERS THE WATERWAY.

**MATERIAL SPECIFICATIONS**

1. RIPRAP - RIPRAP SHALL CONSIST OF 4-8 INCH WASHED STONE OR GRAVEL.
2. FILTER FABRIC - THE FILTER FABRIC SHALL BE A WOVEN OR NONWOVEN FABRIC CONSISTING ONLY OF CONTINUOUS CHAIN POLYMERIC FILAMENTS OR YARNS OF POLYESTER. THE FABRIC SHALL BE INERT TO COMMONLY ENCOUNTERED CHEMICALS, HYDRO CARBONS, MILDWEN AND ROT RESISTANT. NO. 6 STONE (ASHTO #7) MAY BE USED ON THE INNER-FACE FOR FILTERING INSTEAD OF FABRIC.
3. STRAWBALES - STRAWBALES SHALL MEET THE CRITERIA AS SPECIFIED IN THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

**CONSTRUCTION REQUIREMENTS**

1. THE CONTRACTOR SHALL INSTALL ALL SEDIMENT AND EROSION CONTROL DEVICES AS THE FIRST ORDER OF BUSINESS.
2. EXCAVATED MATERIALS SHALL BE STORED SUCH THAT SEDIMENT ARE PREVENTED FROM ENTERING THE WATERWAY, I.E., SEDIMENT PERIMETER CONTROLS MAY BE NECESSARY.
3. EXCAVATED SUBSOIL AND TOPSOIL SHALL BE KEPT SEPARATE AND REPLACED IN THEIR NATURAL ORDER.
4. ANY DEWATERING OF THE CONSTRUCTION AREA SHALL BE FILTERED THROUGH A DEWATERING BASIN PRIOR TO ENTERING THE WATERWAY.
5. THE DEWATERING BASIN SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET.
6. ONCE THE DEWATERING BASIN BECOMES FILLED TO 1/2 OF THE EXCAVATED DEPTH, ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A SCD APPROVED DISPOSAL AREA OUTSIDE THE 100-YEAR FLOODPLAIN UNLESS OTHERWISE APPROVED ON THE PLANS BY THE WRA.
7. SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED AND THE INSPECTING AUTHORITY APPROVES THEIR REMOVAL. ALL GROUND CONTOURS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE ADMINISTRATION.

**PERMANENT SEEDING NOTES**  
Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. Standard Product of 10% LOSSER, 1/2" upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loaded. Soil Amendments: in lieu of soil test recommendations, use one of the following schedules:

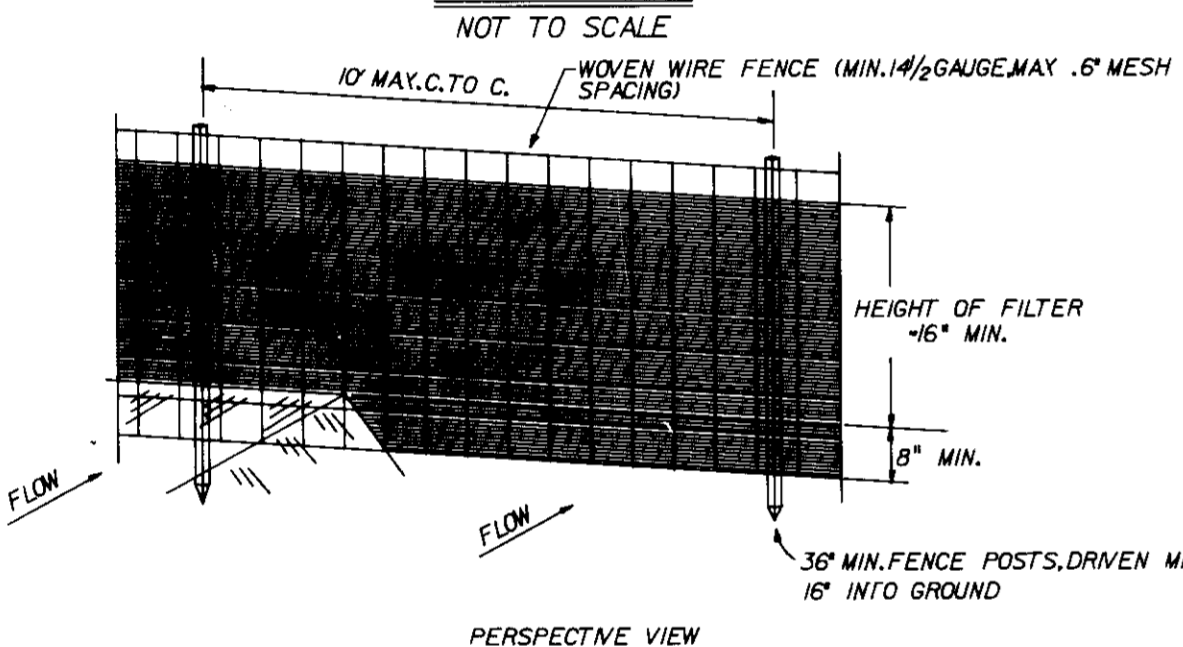
- 1 Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 urea/rf fertilizer (9 lbs/100 sq ft) before seeding. Harrow or disc into upper three inches of soil.
  - 2 Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.
- Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (1 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool of 218 gal/acre (15 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (18 gal/1000 sq ft) for anchoring.
- Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

**TEMPORARY SEEDING NOTES**  
Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.

- Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
- Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)
- Seeding: For period March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (1.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool of 218 gal/acre (15 gal/1000 sq ft) for anchoring.

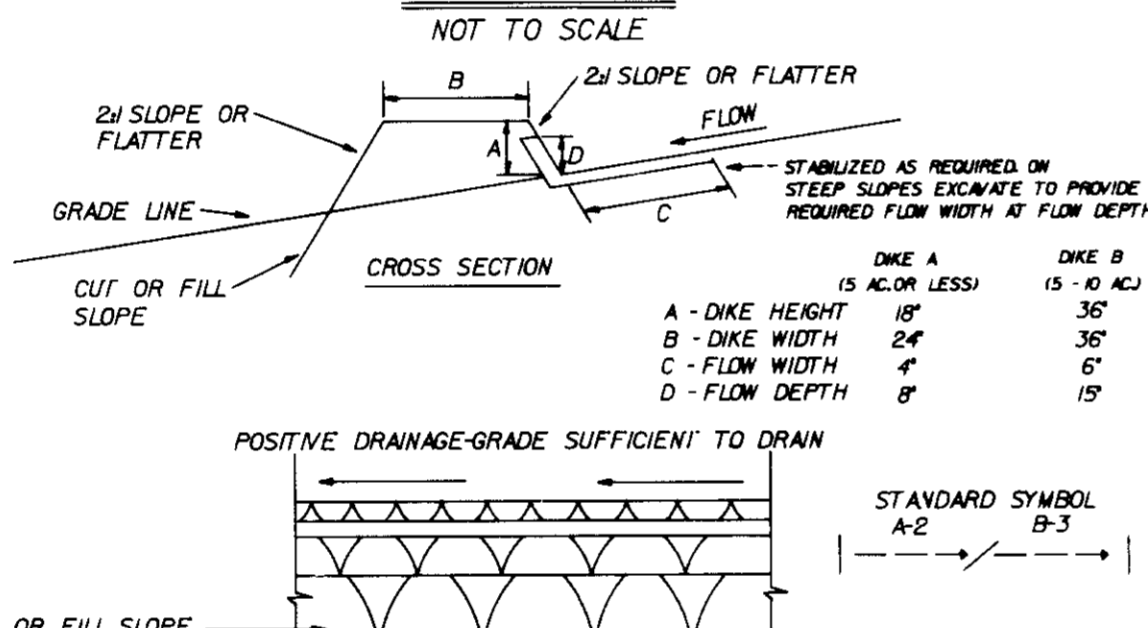
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR rate and methods not covered.

**SILT FENCE**



PERSPECTIVE VIEW

**EARTH DIKE**



CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION RISK. IT SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

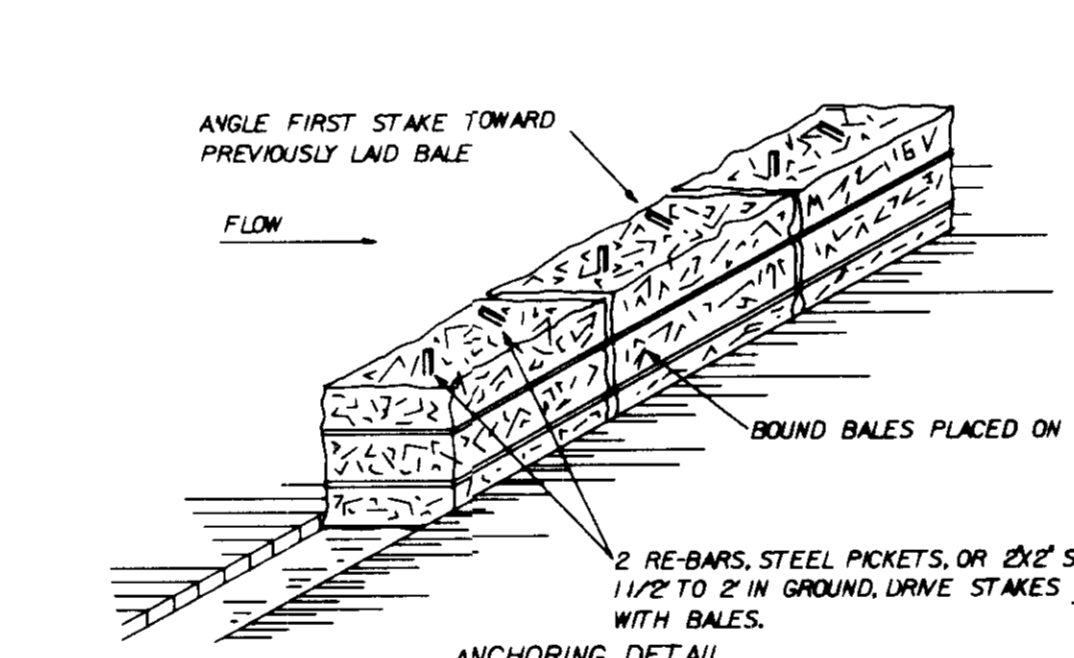
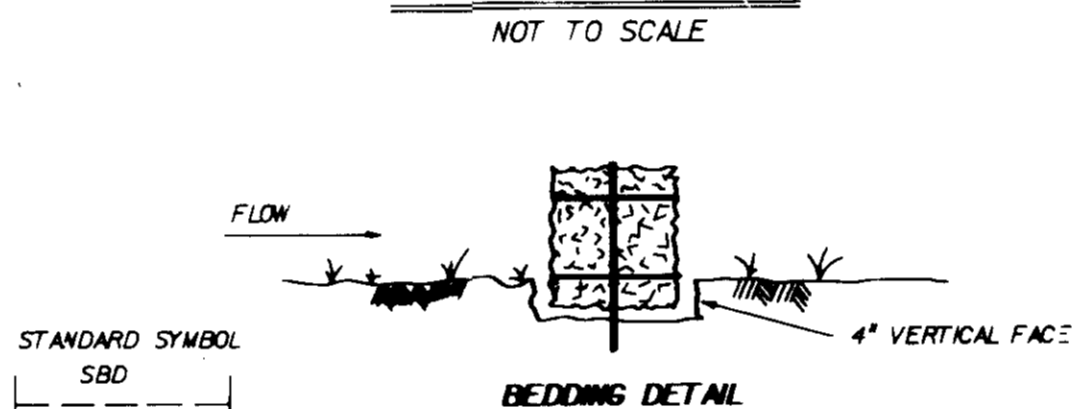
**FLOW CHANNEL STABILIZATION**

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR 2" STONE
3	5-8.0%	SEED WITH JUTE, OR 2" STONE	LINED RIP-RAP 4" #
4	8-20%	LINED RIP-RAP 4" #	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.  
B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.  
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

**STRAW BALE DIKE**



CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SEPARATELY TO DRAINAGE OR IMPEBB STORM FLOW OR DRAINAGE.

**SEDIMENT CONTROL NOTES**

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION.
2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (A) 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1 (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:  
TOTAL AREA OF SITE 111.40 ACRES  
AREAS DISTURBED 22.50 ACRES  
AREA TO BE PAVED OR GRADED 0 ACRES  
AREA TO BE VEGETATIVELY STABILIZED 22.50 ACRES  
TOTAL CUT 5571 CU. YDS.  
TOTAL FILL 5571 CU. YDS. (38 POLE FOUNDATIONS @ 12" # AND 35' DEEP)  
OFFSITE WASTE/ AREA LOCATION: N/A
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]* 4-3-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS

*[Signature]* 3-27-91  
DIRECTOR DATE  
*[Signature]* 3-2-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF  
PLANNING & ZONING

*[Signature]* 4/9/91  
PLANNING DIRECTOR DATE  
*[Signature]* 4/6/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

SEDIMENT CONTROL

BY THE DEVELOPER:

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE FIELD INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*[Signature]* 3-11-91  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD COUNTY S.C.D.  
AND METS TECHNICAL REQUIREMENTS:  
*[Signature]* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION AND SEDIMENT CONTROL BY  
THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* 3/15/91  
HOWARD S.C.D. DATE

BEFORE BEGINNING CONSTRUCTION, CONTACT  
MISS UTILITY AT 1-800-257-7777 AT LEAST  
48 HOURS PRIOR TO CONSTRUCTION

**DETAILS FOR SEDIMENT CONTROL**

500 KV TRANSMISSION LINE  
BRIGHTON TO HIGH RIDGE  
HOWARD COUNTY SEGMENT

ZONE: R,R-20, R-SC  
ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND  
ZONING / TAX MAPS 40,41, & 46

POTOMAC ELECTRIC POWER CO.  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE. N.W. WASHINGTON, D.C. 20068

SCALE	APPD	APPD	APPD	APPD	APPD	TL-500-295 36 OF 37
DATE	9/11/90	10/1/90	10/2/90	10/2/90	10/2/90	
DRBY	RWP	GP	FBA			
CHKD.						
INSP.						
DESIGN	SA	DRAWN	CAV	CHKD.	DATE	R-2490-X FILE NO.

**BEFORE BEGINNING CONSTRUCTION CONTACT**

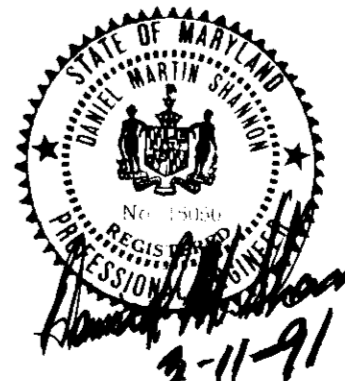
**"Miss Utility"**

AT 1-800-257-7777  
AT LEAST 48 HOURS  
PRIOR TO EXCAVATION

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS

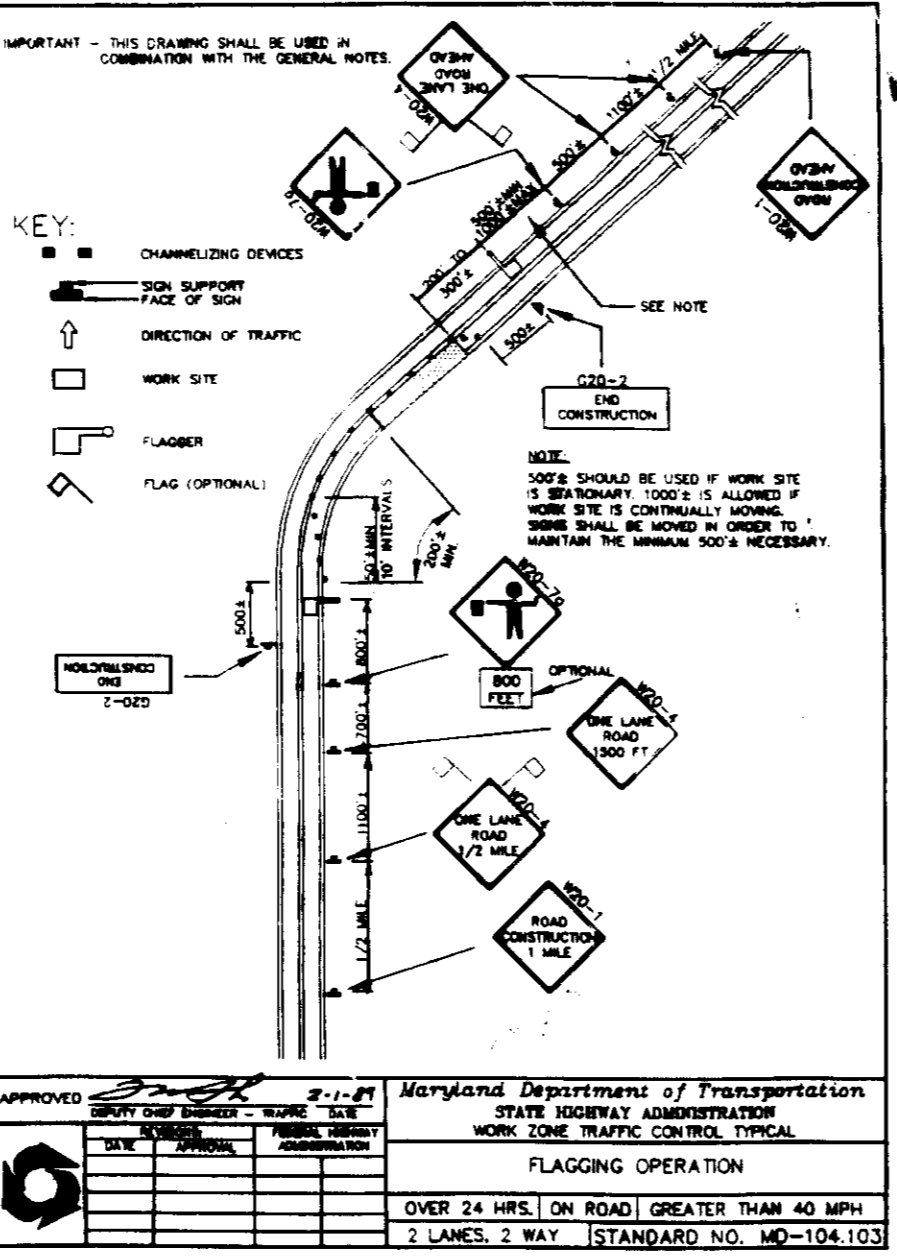
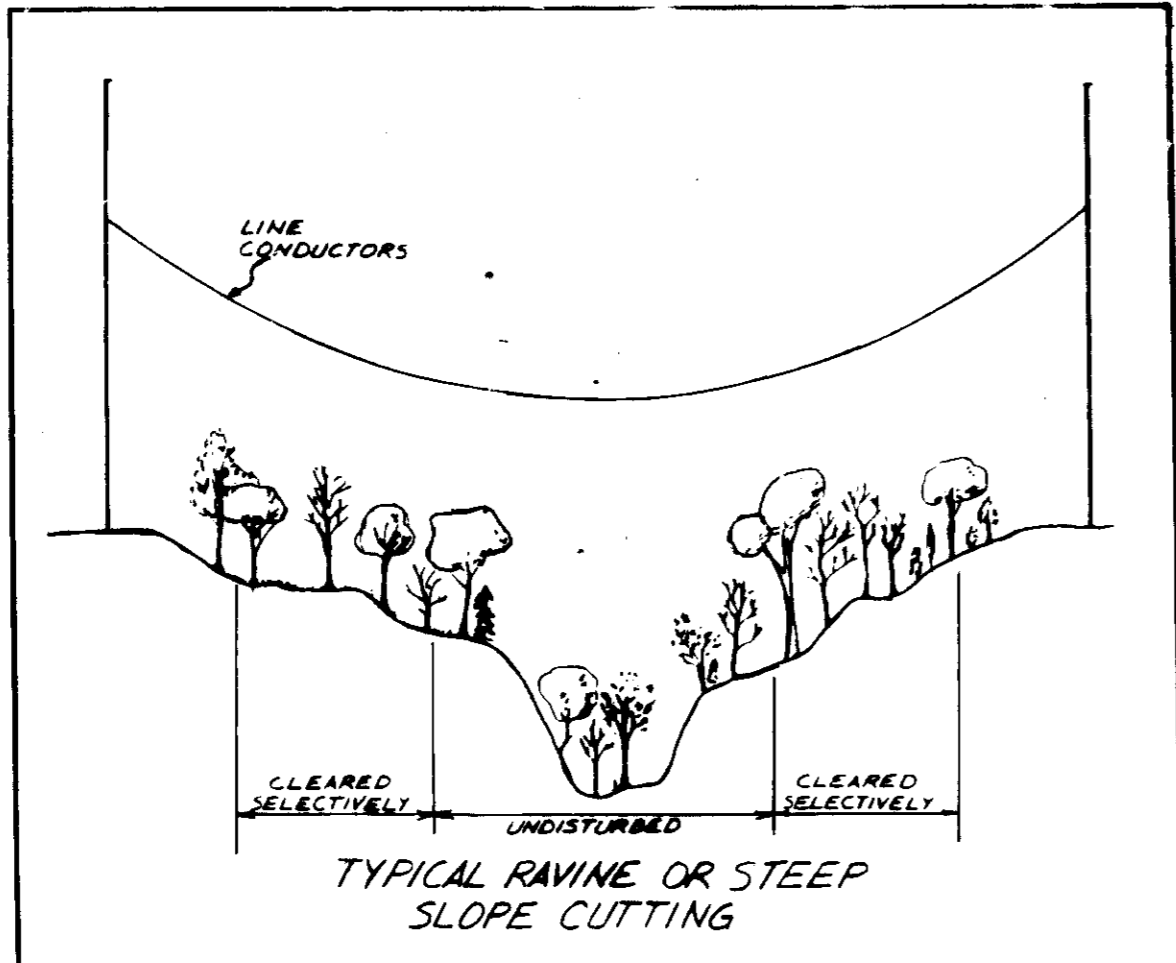
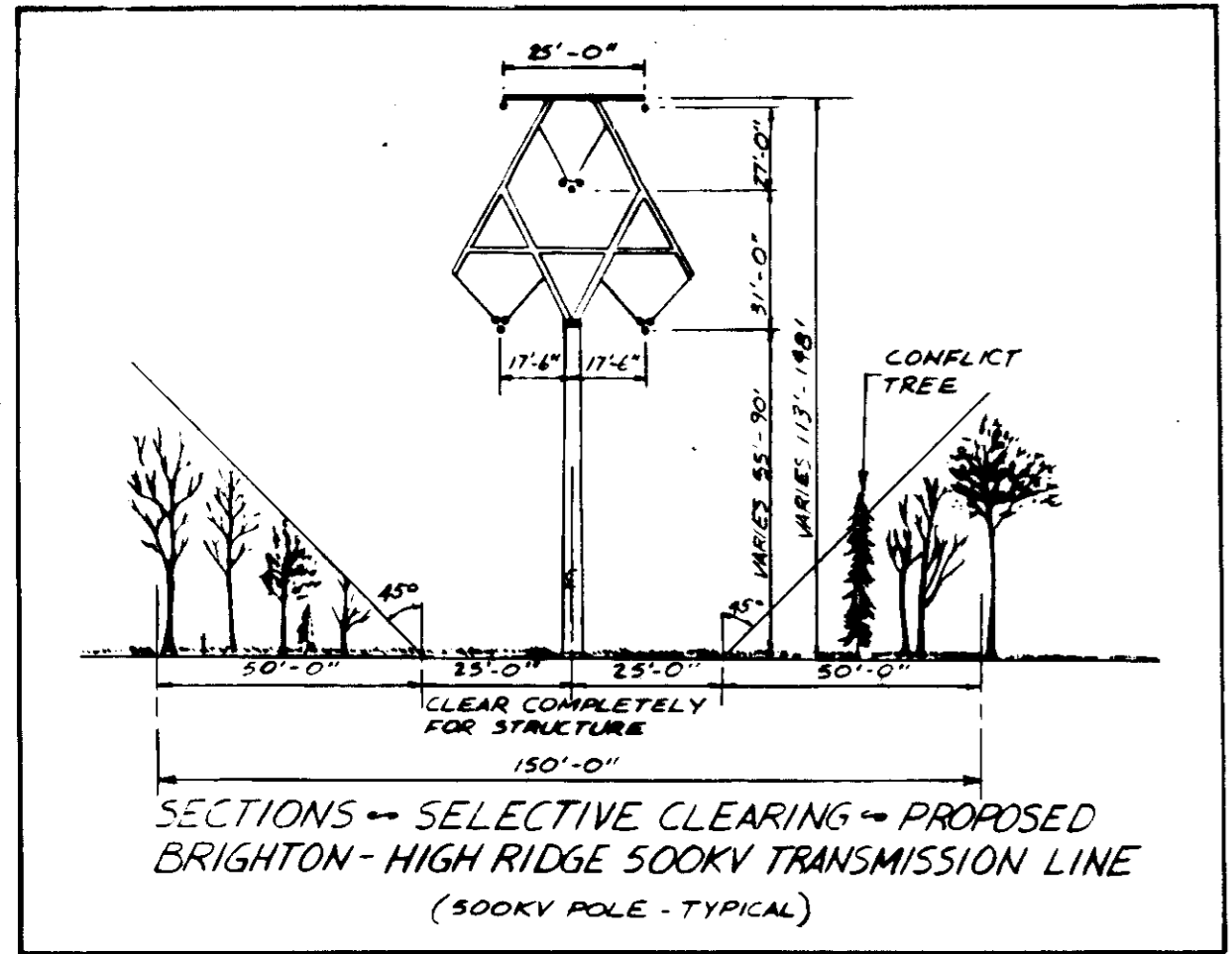
GREENHORNE & O'MARA, INC.  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3800

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CHARLOTTE, VA • DALLAS, TX • EXPORT, PA • FARMINGTON, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL



DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD

**REVISIONS**



- GENERAL SEQUENCE OF OPERATIONS**
- RIGHT-OF-WAY PREPARATION - EQUIPMENT ACCESS LIMITED TO CLEARED AREA OF RIGHT-OF-WAY. RESEEDING, DIVERSION BERM, INTERCEPTOR DIKES AND STREAM CROSSINGS AS REQUIRED TO PREVENT EROSION DUE TO CLEARING OPERATIONS.
  - TEMPORARY ACCESS ROADS - INSTALLATION OF TEMPORARY EROSION CONTROL STRUCTURES AND RESEEDING FOR SLOPE STABILIZATION. TEMPORARY ACCESS ROADS AND TEMPORARY STREAM CROSSINGS TO BE COMPLETELY REMOVED AND STABILIZED.
  - FOUNDATION CONSTRUCTION - EXCAVATED SOIL TO BE SPREAD AT STRUCTURE SITE AND RESEDED.
  - COUNTERPOISE AND GROUNDING INSTALLATION - AREAS DISTURBED TO BE MULCHED AND RESEDED.
  - STRUCTURE ERECTION - AREAS DISTURBED BY CRANE SET-UP AND STRUCTURE ASSEMBLY OPERATIONS TO BE MULCHED AND RESEDED.
  - WIRE STRINGING - AREAS DISTURBED BY EQUIPMENT OPERATIONS TO BE MULCHED AND RESEDED.
  - CLEAN-UP OPERATIONS - RIGHT-OF-WAY WILL BE CLEARED OF ANY DEBRIS FROM CONSTRUCTION AS THE VARIOUS OPERATIONS ARE COMPLETED. PERMANENT SEEDING, AS REQUIRED, WILL BE DONE.

- TYPICAL SEQUENCE OF OPERATIONS FOR TOWER/POLE SITE (AFTER RECEIPT OF GRADING/BUILDING PERMIT)**
- CONTACT HOWARD COUNTY SCD INSPECTOR AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
  - INSTALL SEDIMENT CONTROL DEVICES.
  - EXCAVATE FOR FOUNDATION CONSTRUCTION. STOCKPILE SPOIL MATERIAL WITHIN DISTURBED AREA LIMITS.
  - CONSTRUCT FOUNDATION.
  - INSTALL TOWER/POLE.
  - DISTRIBUTE SPOIL MATERIAL WITHIN DISTURBED AREA AND STABILIZE. DO NOT PLACE IN WETLANDS.
  - WITH APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES.

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James P. Boyle* 4-3-91  
COUNTY HEALTH OFFICER DATE

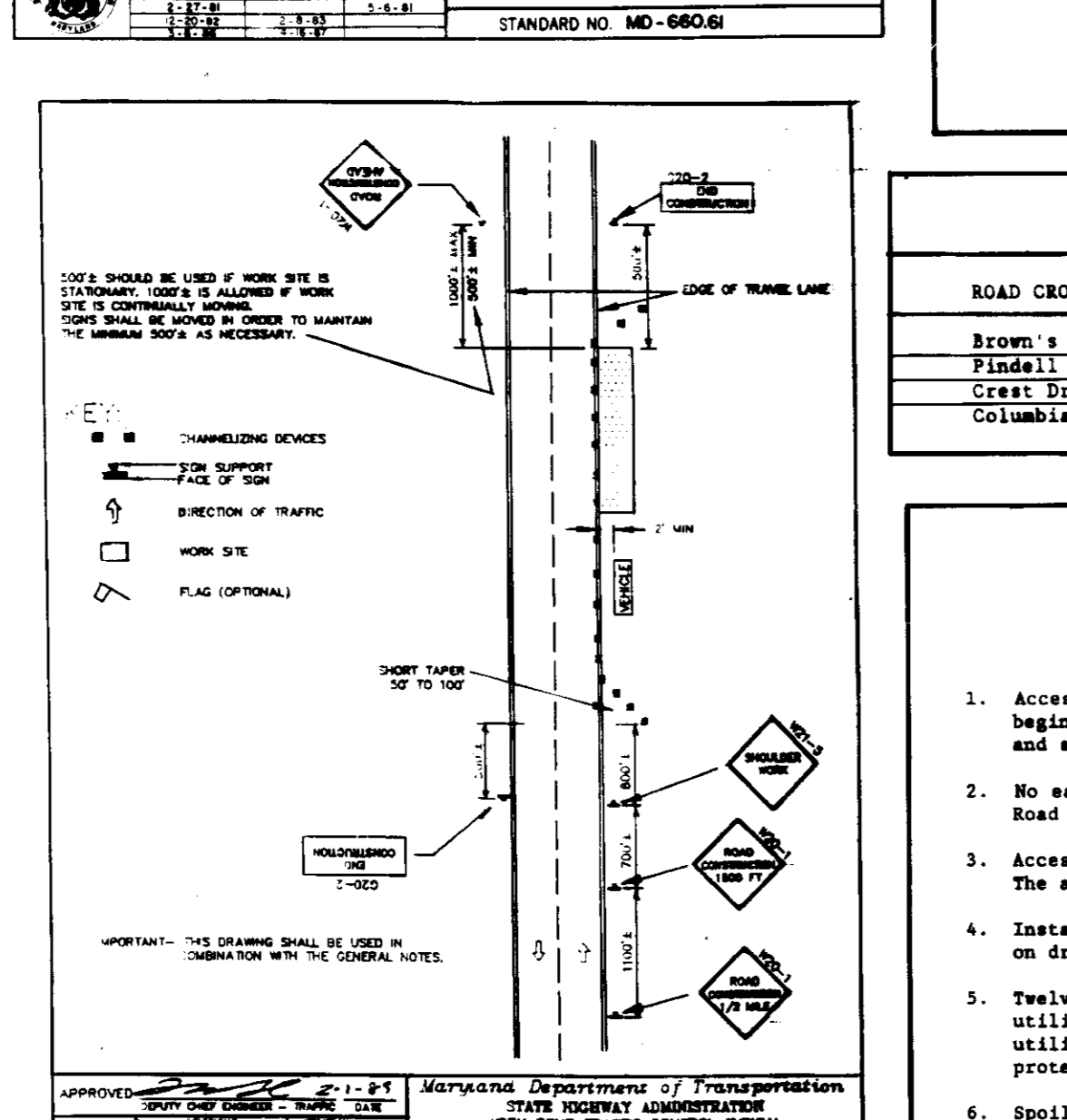
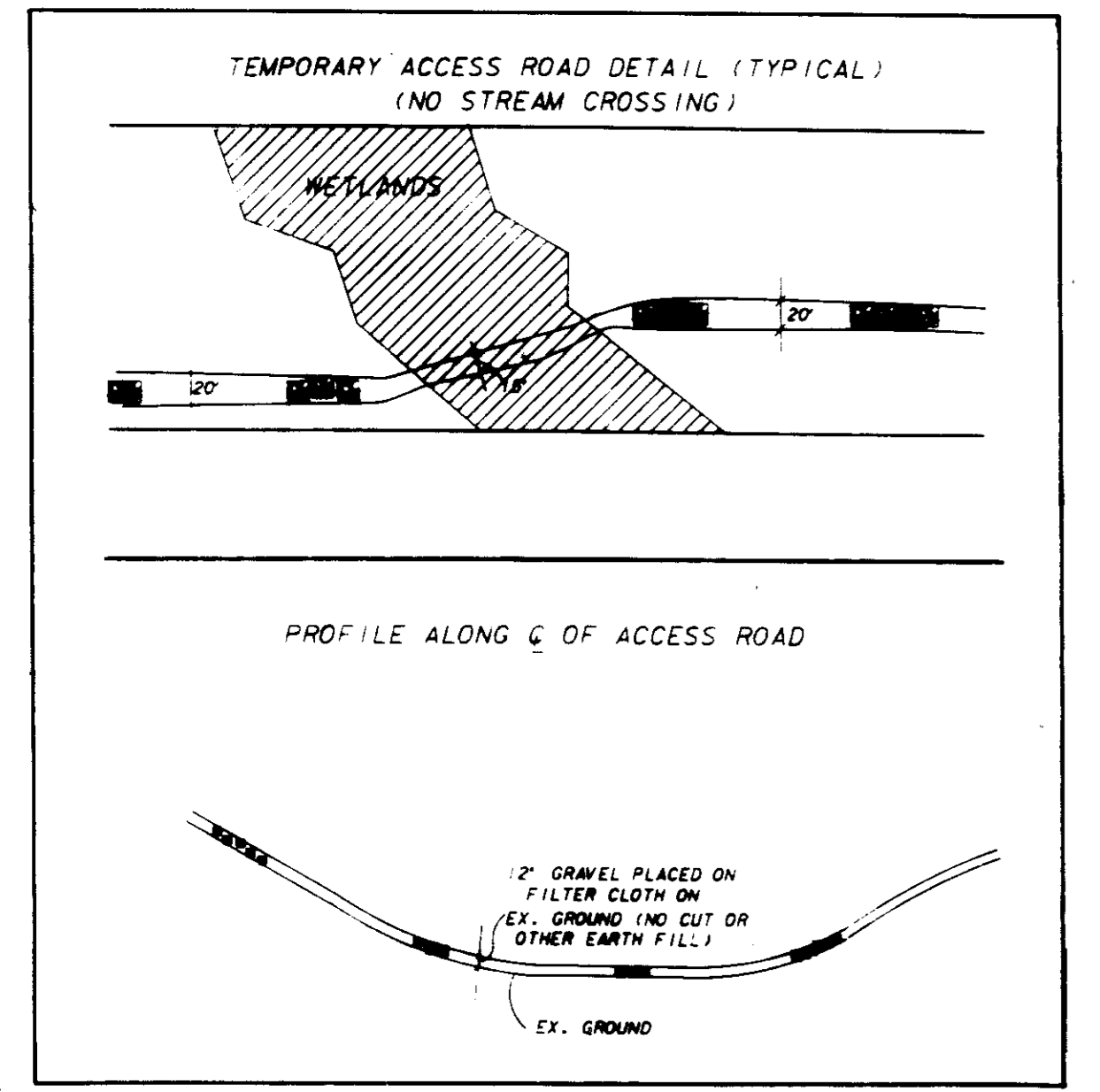
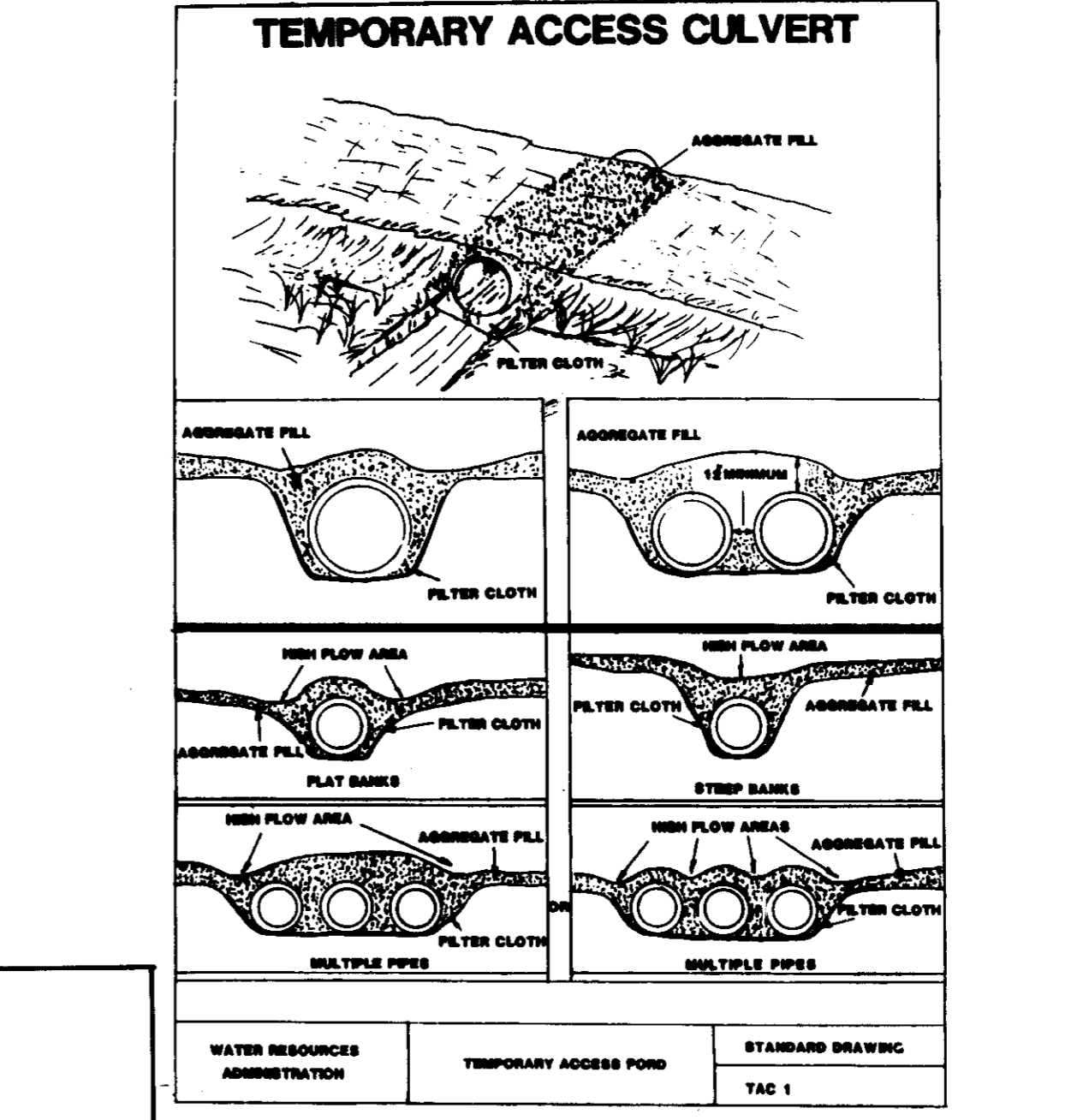
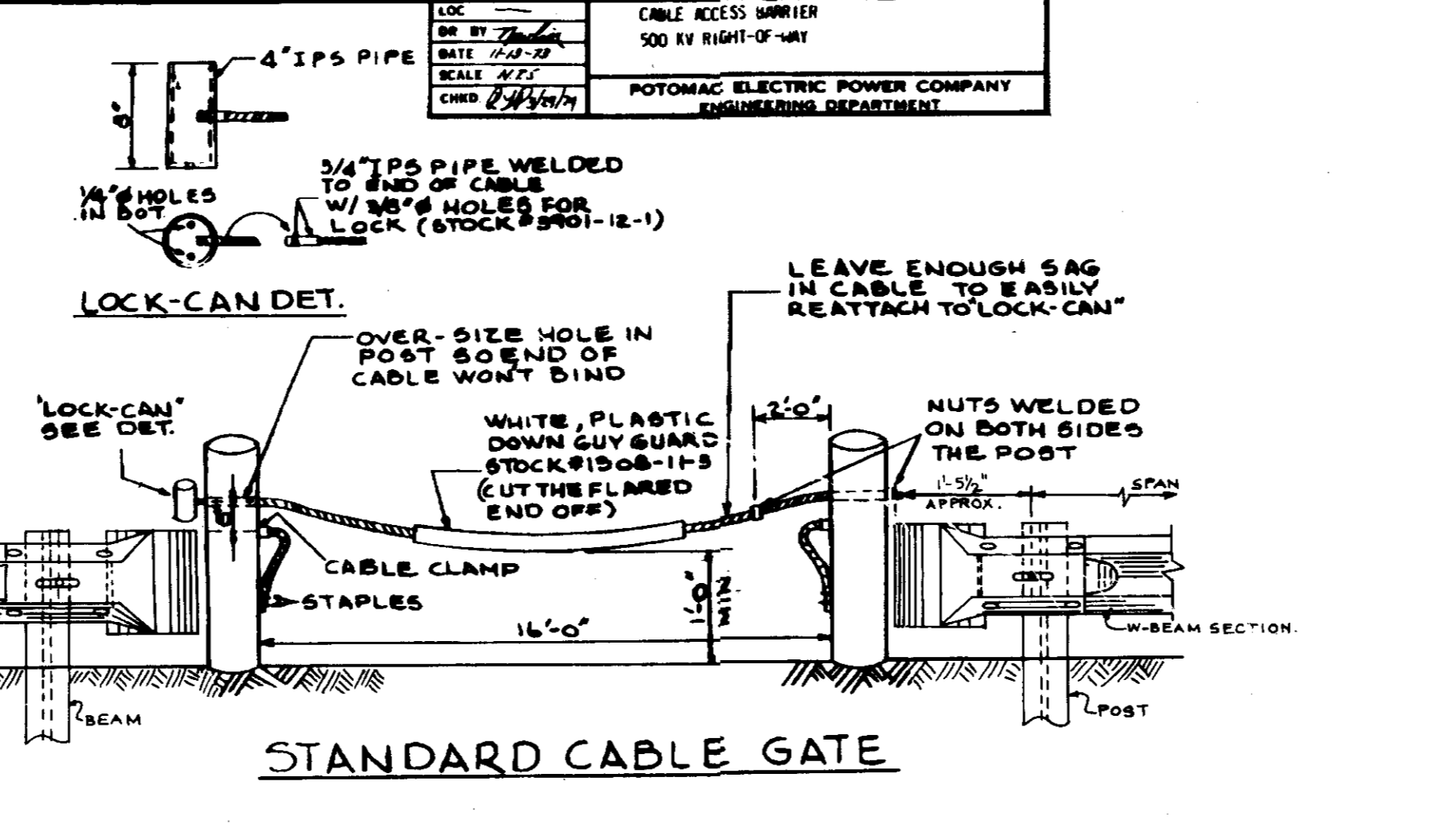
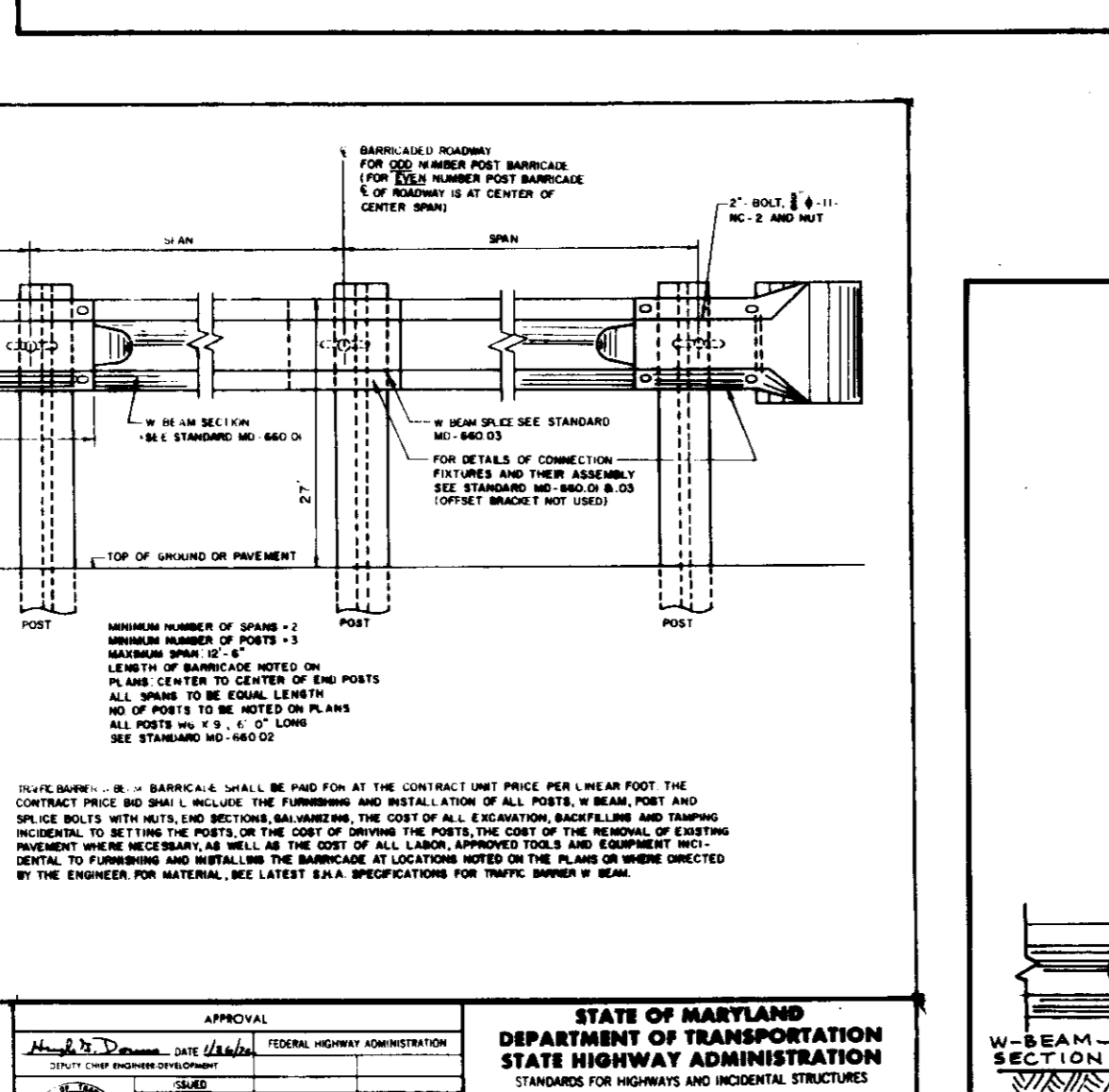
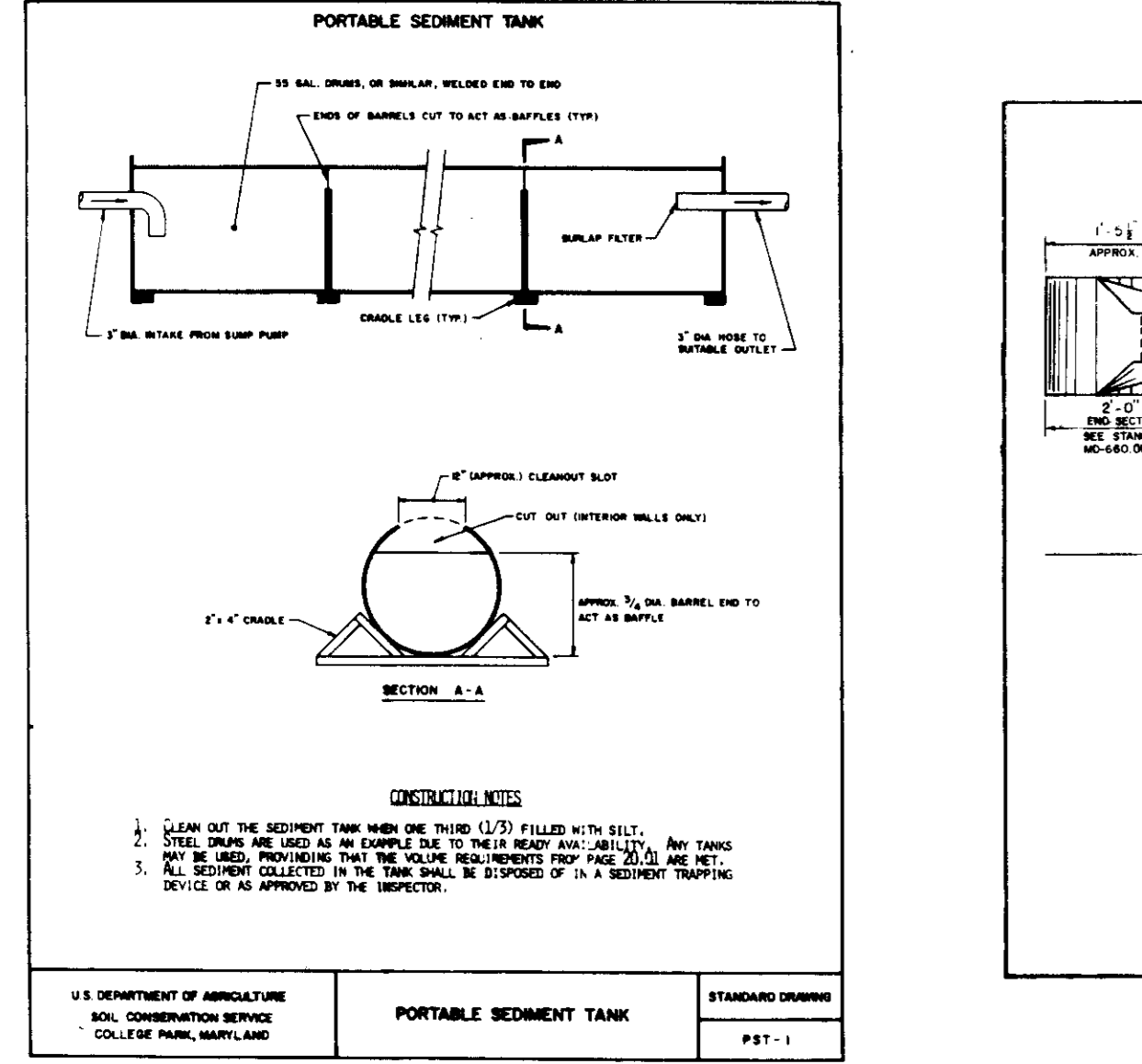
APPROVED: FOR PUBLIC WATER/PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD CO. DEPT. OF PUBLIC WORKS  
*James P. Boyle* 3/27/91  
DIRECTOR DATE  
*W. C. ...* 3-27-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*David ...* 4/9/91  
PLANNING DIRECTOR DATE  
*David ...* 4/9/91  
CHIEF, DIV. OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

BY THE DEVELOPER:  
"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
*David ...* 3-11-91  
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*David ...* 3-11-91  
SIGNATURE OF ENGINEER M.T. 15050 DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
*John R. Robertson* 3/15/91  
U.S. SOIL CONSERVATION SERVICE DATE  
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robertson* 3/15/91  
HOWARD S.C.D. DATE  
BEFORE BEGINNING CONSTRUCTION, CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



**MINIMUM GROUND CLEARANCE OF TRANSMISSION LINES AT ROAD CROSSINGS**

ROAD CROSSING	VERTICAL CLEARANCE AT 102°F
Brown's Bridge Rd.	70'
Pindell School Rd.	61'
Crest Dr.	65'
Columbia Pike (Old)	55'

- MISCELLANEOUS NOTES**
- Access road will be staked in field by Registered Land Surveyor prior to beginning of construction. Access road shall be located as shown on drawings and shall not deviate from location shown.
  - No earth cuts or fills shall take place in order to construct access road. Road profile shall be at existing grade.
  - Access road shall be removed when no longer required for construction access. The area shall be reseeded and allowed to revert to natural vegetation.
  - Insecticide orange snow fence along the limit of disturbance lines that are shown on drawings.
  - Twelve (12) inches additional gravel shall be added over existing underground utility lines. Contact appropriate agency prior to crossing underground utilities to be advised of any additional precautionary measures required to protect utility lines from heavy traffic loads.
  - Spoil material may not be distributed over wetlands.
  - Foundation excavation will be distributed in vicinity of foundation except within wetland areas.
  - Staging and spoil must remain within the 39' radius of erosion and sediment controls.
  - Per Sections 16.116(c)(4) and 16.116(c)(6) of the Subdivision and Land Development Regulations, unless a waiver is granted, no grading, structures or removal of vegetative cover is permitted in wetlands, a 25 foot wetland buffer, a 75 foot stream buffer or on steep slopes of 25% or greater when adjacent to a floodplain or wetlands. Grading and removal of vegetative cover within the required wetlands and stream buffers have been determined essential by the Department of Planning and Zoning for the utility line installation.
  - Upon receipt the developer shall submit copies of the Section 401 Water Quality Certification from the Maryland Department of the Environment and the Section 404 Wetland permit from the U.S. Army Corps of Engineers.

NOTE: TEMPORARY ACCESS ROADS SHOWN ON W.S.C. PROPERTY SHEETS 2, 3, 3A, 3B, 3C, 4 & 5 OF SDP 91-58 SHALL BE REV. TO PERMANENT ACCESS ROADS. PROVIDE FOR A WAIVER OF SWM FOR THESE PERMANENT ROADS. A "PAYMENT IN LIEU OF" SHALL BE MADE FOR THESE PERMANENT ROADS.

REVISIONS	DESCRIPTION	CORR	CHKD	APPD	APPD	APPD	APPD
1	REV. FOR WAIVER OF SWM FOR SELECTED TEMP ACCESS ROADS CHANGED TO PERMANENT. G40 11-21-91						
2	REV. PER. HOWARD COUNTY S.C.D. 10-30-90						

**Justification for Waiver from the requirement for Temporary Stormwater Management**

**Water Quality**  
The washed gravel will provide a filtering device for surface runoff and, in combination with sediment control devices, not produce negative water quality impacts.

**Water Quantity**

- Approximately 15% of the Right-of-Way drains directly to the Patuxent River. Due to the large drainage area of the Patuxent River, the increase in Runoff Curve Number (RCN) by removing trees from the right-of-way will be negligible. Therefore, there will be a negligible impact on peak runoff.
- Approximately 40% of the Right-of-Way is within the Hammond Branch stream valley and drainage area. Due to the large drainage area of Hammond Branch, the increase in RCN by removing trees from the right-of-way will be negligible. Therefore, there will be a negligible impact on peak runoff.
- Approximately 35% of the Right-of-Way is located within open meadow/tilled area. The placing of washed gravel on filter cloth in these areas will provide a dense surface "canopy", increase the degree of surface roughness and encourage infiltration, and, therefore, tend to decrease runoff.

**Water Quality**  
The washed gravel will provide a filtering device for surface runoff and, in combination with sediment control devices, not produce negative water quality impacts.

**Water Quantity**

- Urban Hydrology for Small Watersheds (TR-55), Second Ed., June 1986; U.S. Soil Conservation Service; pp. 2-6.

BEFORE BEGINNING CONSTRUCTION CONTACT  
**"MISS UTILITY"**  
AT  
1-800-257-7777  
AT LEAST 48 HOURS PRIOR TO EXCAVATION

**DETAILS FOR SEDIMENT CONTROL**

**500 KV TRANSMISSION LINE BRIGHTON TO HIGH RIDGE HOWARD COUNTY SEGMENT**

ZONE: R.R-20, R-SC ELECTION DISTRICT 1 & 5  
HOWARD COUNTY, MARYLAND ZONING / TAX MAPS 40.4L & 46

**POTOMAC ELECTRIC POWER CO.**  
ENGINEERING DEPT.  
1900 PENNSYLVANIA AVE., N.W., WASHINGTON, D.C. 20006

SCALE: APPD APPD APPD APPD  
DATE: 9-11-90 9-11-90 9-11-90  
DR. BY: RWP RWP RWP  
CHKD.: RWP RWP RWP  
INSP.: RWP RWP RWP

PL-500-795  
37 OF 37

DESIGN: SAA DRAWN: CAUD  
DATE: 9-10 FILE NO. R-2430-X  
SDP-91-58

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & O'MARA, INC.**  
15020 SHADY GROVE ROAD, SUITE 300  
ROCKVILLE, MD. 20850  
(301) 738-3890  
ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • DULUTH, GA • EXPORT, PA • FAIRFAX, VA • GREENBELT, MD  
LEESBURG, VA • MANASSAS, VA • ORLANDO, FL • RALEIGH, NC • BALTIMORE, MD • TAMPA, FL • WEST PALM BEACH, FL