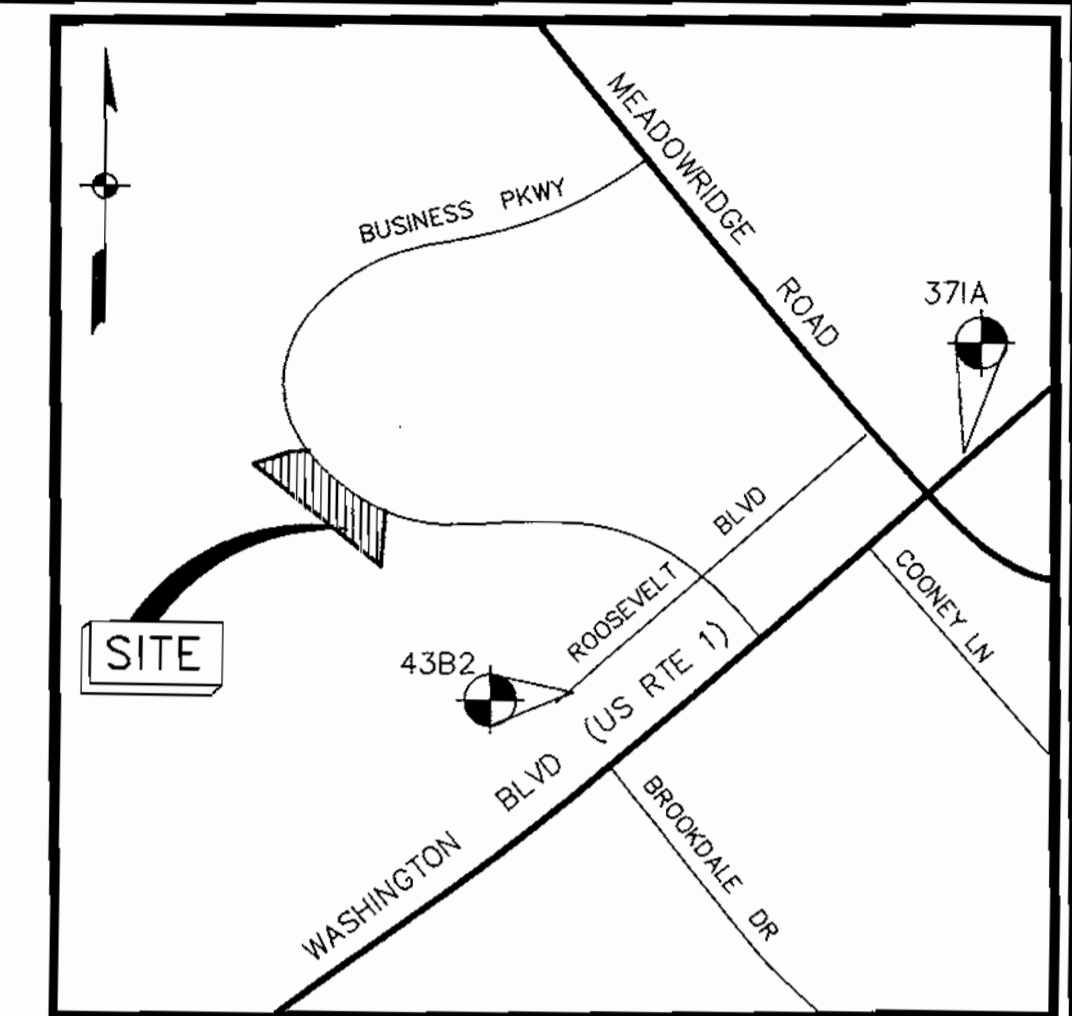


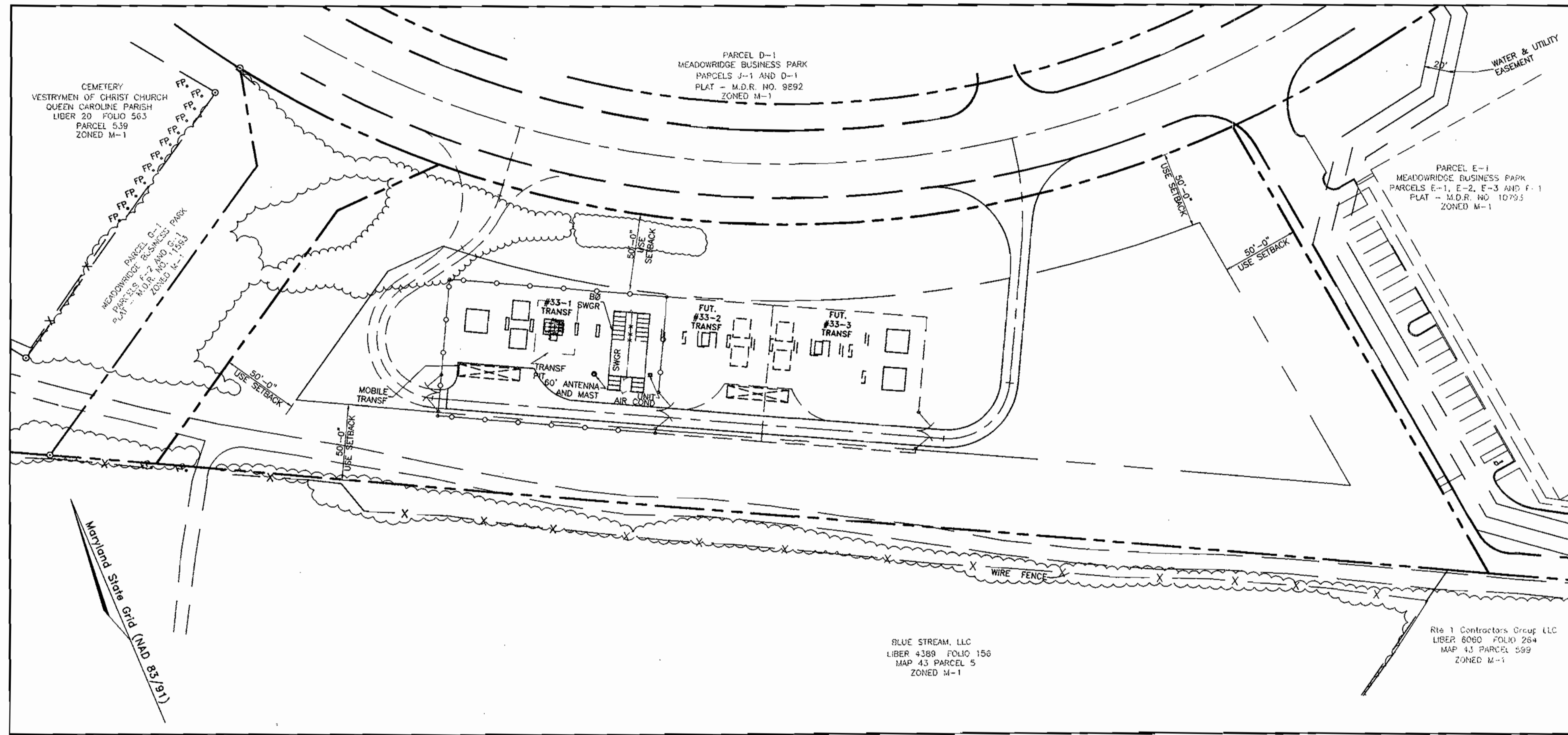
GENERAL NOTES

- Site Data: Tax Map 37; Grid 23; Parcel 362; Lot F-2; 1st Election District
- Water and sewer will not be used within this site.
- The Contractor shall notify the following utility companies or agencies at least five(5) working days before starting work shown on these plans:
 - State Highway Administration 410.531.5533
 - BGE(Contractor Services) 410.850.4620
 - BGE(Underground Damage Control) 410.787.9068
 - Miss Utility 1.800.257.7777
 - Colonial Pipeline Company 410.795.1390
 - Howard County, Dept. of Public Works, Bureau of Utilities 410.313.4900
 - Howard County Health Department 410.313.2640
 - AT&T 1.800.252.1133
 - Verizon 1.800.743.0033/410.224.9210
- The contractor shall notify Miss Utility at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- The contractor shall notify the Department of Public Works/Bureau of Engineering Construction Inspection Division at (410) 313-1880 at least five (5) working days prior the start of work.
- This project is in conformance with the latest Howard County Standards unless waivers have been approved.
- There are no wetlands or floodplain on this site.
- This plan has been prepared in accordance with the provisions of section 16.124 of the Howard County code and Landscape Manual. Financial surety for the required landscaping shall be posted as part of the Grading Permit in the amount of \$7650.00 (\$6300.00 for 21 shade trees and \$1350.00 for 9 evergreen trees).
- All paving to be BGE Standard unless otherwise noted. See Detail Sheet 2 of 6
- In accordance with section 16.1202 (b) (1) (v) of the Howard County Code for Forest Conservation this project is conditionally exempt from the requirement to provide forest conservation (part of a planned business park over 75 acres, approved before 12/31/92)
- All construction shall be in accordance with the latest standards and specifications of Howard County in addition to MSHA standards and specifications if applicable.
- Any damage to public right-of ways, paving or existing utilities will be corrected at the contractor's expense.
- Existing utilities are located by the use of any or all of the following: Road Construction Plans, Field Surveys, Public Water and Sewer Plans and other available record drawings. Approximate location of the existing utilities are shown for the contractors information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test, prior to construction.
- Traffic control devices, markings and signage shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any paving.
- Estimates of Earthwork quantities are provided solely for the purpose of calculating fees.
- The topography shown hereon is based on an field run survey performed by KCW-ET on Dec 19, 1998. The coordinates shown hereon are based on the Howard County Geodetic Control, which is based upon the Maryland State Plane Coordinate System. Howard County monument numbers 43B2 and 371A were used for this project.
- Operating speed study provided by Street Traffic Studies, Inc. on Sept. 24, 2002.
- A noise study is not required for this project due to Non-Residential use.
- There are no known cemeteries or burial grounds located on this site.
- Stormwater Management for this site is provided in an off site facility located on adjacent parcel 'E' under SDP-91-49
- This project is subject to the Fourth Edition of the Subdivision and Land Development Regulations and the current Zoning Regulations, as amended by Council Bill 50-2001.
- In accordance with Section 128.A.3.(c) of the Zoning Regulations, there is no height limit for the proposed antenna.
- The 50' Use and Structure Setback shown hereon is based on Section 122.B.47.a of the Zoning Regulations for utility substations. This setback supersedes normal fence, parking, and use setbacks for M-1 zoning district.

SITE DEVELOPMENT PLAN MEADOWRIDGE SUBSTATION 6720 BUSINESS PARKWAY HOWARD COUNTY, MARYLAND



VICINITY MAP
1" = 2000'



BENCHMARKS

Howard County Monuments:

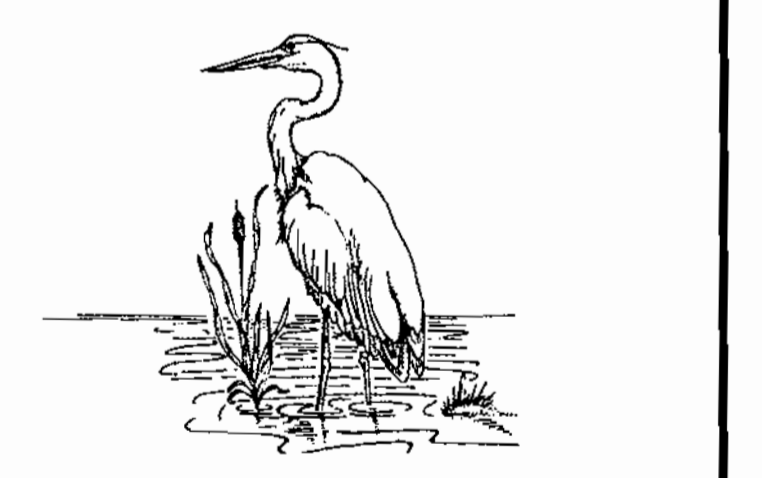
Sta. 43B2:
El.: 63.8864 (meters)/209.601(feet)
N 168,144.7782 E 420,069.1751
N 551,654.993 E 1,378,176.951(feet)

Sta. 371A:
El.: 59.6677 (meters)/195.760 (feet)
N 168,650.7942 E 420,619.4018
N 553,315.147 E 1,379,982.154(feet)

ADDRESS CHART

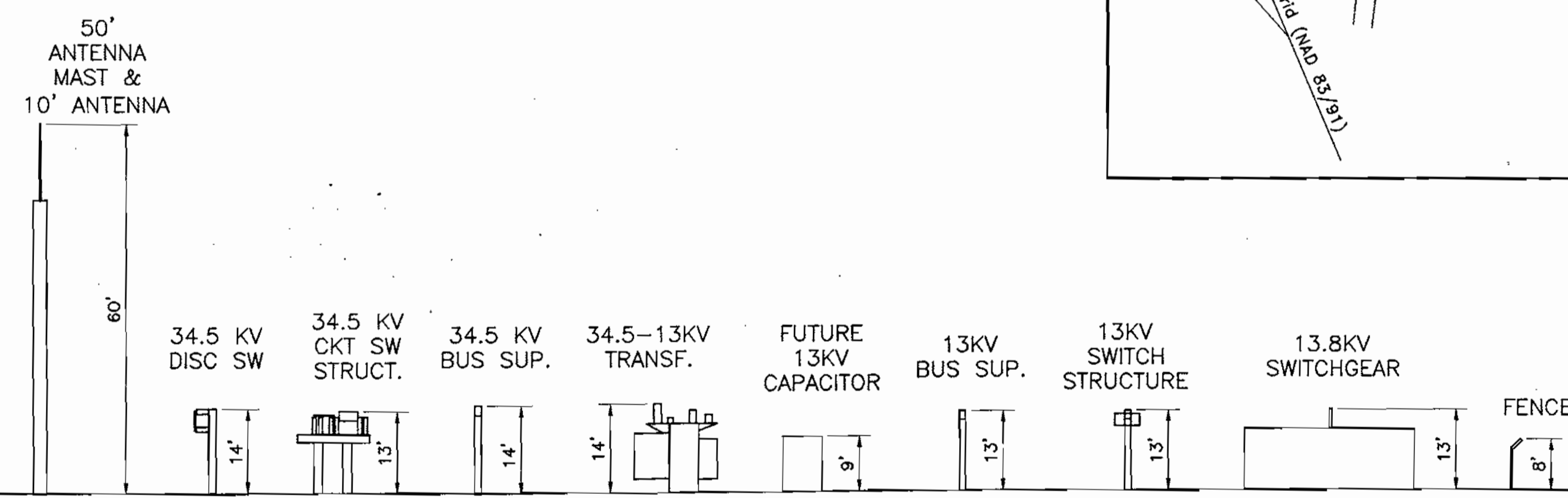
LOT	STREET
F-2	6720 Business Parkway

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@gs.com



EXPLORATION RESEARCH, INC.
ENVIRONMENTAL CONSULTANTS
LANDSCAPE ARCHITECTS
8318 FORREST STREET
ELLCOTT CITY, MARYLAND 21043
TEL: (410) 750-1150 FAX: (410) 750-7350

LOCATION MAP
SCALE: 1" = 50'



APPROXIMATE HEIGHT OF STRUCTURE
NOT TO SCALE

SITE ANALYSIS DATA CHART

- Total project area: 3.588 Acres±
- Area of plan submission: 3.688 Acres±
- Limit of disturbed area: 2.89 Acres±
- Present zoning: "M-1" per 10/18/93 Comprehensive Zoning Plan.
- Proposed uses for site & structures: Unmanned Electrical Substation
- DPZ file references: Plat #11593, F-89-163, WP-91-82, WP-91-100, WP-94-78, F-91-144, F-95-10
- Number of parking spaces required: 2 (two)
No regular staff is present (unmanned station)
Periodic maintenance parking may utilize the shown paved park and turn areas as well as park along the driveway.

OWNER/APPLICANT/DEVELOPER
BALTIMORE GAS AND ELECTRIC COMPANY
GAS AND ELECTRIC BUILDING, PO BOX 1475
BALTIMORE, MARYLAND 21203
ATTN: THERESA B. SHEA, ESQ.



UPDATE YOUR PRINT TO REFLECT "AS BUILT" STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 4/7/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 4/9/03
CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 4/16/03
DIRECTOR

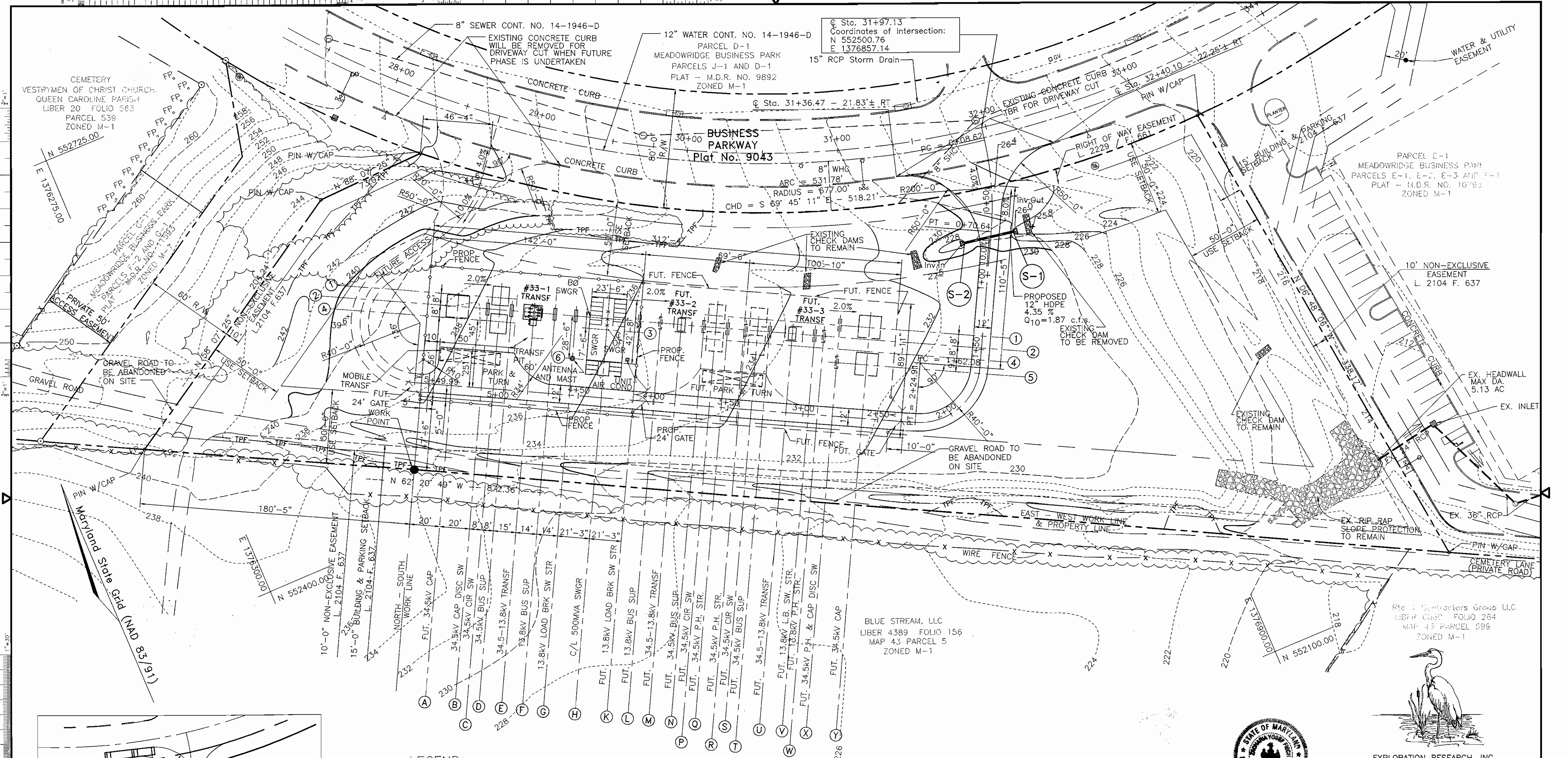
SHEET INDEX

DESCRIPTION	SHEET No.
Cover Sheet	1 of 6
Site Development and Grading Plan	2 of 6
Sediment and Erosion Control Plan	3 of 6
Sediment and Erosion Control Details	4 of 6
Storm Drain and Landscaping Notes and Details	5 of 6
Landscape Plan	6 of 6

PERMIT INFORMATION CHART

Subdivision Name: Meadowridge Business Park		Section/Area: N/A	Lot/Parcel No.: F-2
Plat #	Grid	Zoning	Tax Map No. Elect. District
11593	23	M-1	37 1st
Water Code	Sewer Code		Census Tract
None	None		6012

REV.	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	COVER SHEET
-		001492	INSTALL NEW 34.5-13.8KV SUBSTATION. 3 FDR POS & 2 FDR'S #8913,8914		ENGINEERING	Parcel F-2 1st Election District Tax Map 37 Grid 23 Parcel 362 Howard County, Maryland Sheet 1 of 6 34.5-13KV SUBSTATION
						MEADOWRIDGE
						SUBSTATION & SYSTEM PROTECTION
						SCALE: As Shown
						DWG NO. 85787D



Sta. 31+97.13
Coordinates of intersection:
N 552500.76
E 1376857.14

12" WATER CONT. NO. 14-1946-D
PARCEL D-1
MEADOWRIDGE BUSINESS PARK
PARCELS J-1 AND D-1
PLAT - M.D.R. NO. 9892
ZONED M-1

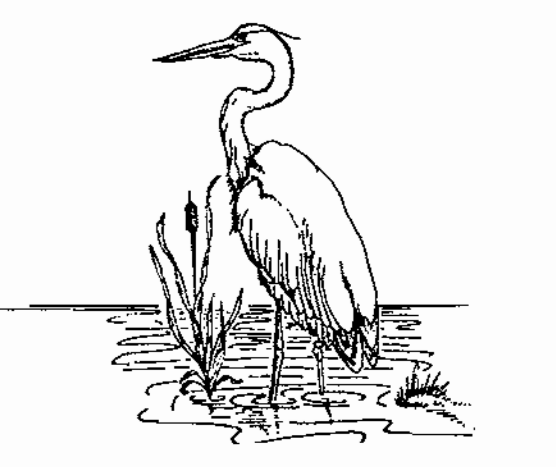
BUSINESS PARKWAY
Plat No. 9043

PARCEL E-1
MEADOWRIDGE BUSINESS PARK
PARCELS E-1, E-2, E-3 AND E-4
PLAT - M.D.R. NO. 10793
ZONED M-1

10' NON-EXCLUSIVE
EASEMENT
L. 2104 F. 637

BLUE STREAM, LLC
LIBER 4389 FOLIO 156
MAP 43 PARCEL 5
ZONED M-1

Site Contractors Group LLC
LIBER 6030 FOLIO 264
MAP 43 PARCEL 599
ZONED M-1



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ENVIRONMENTAL CONSULTANTS
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8318 FORREST STREET
ELLCOTT CITY, MARYLAND 21043
TEL: (410) 750-1150 FAX: (410) 750-7350

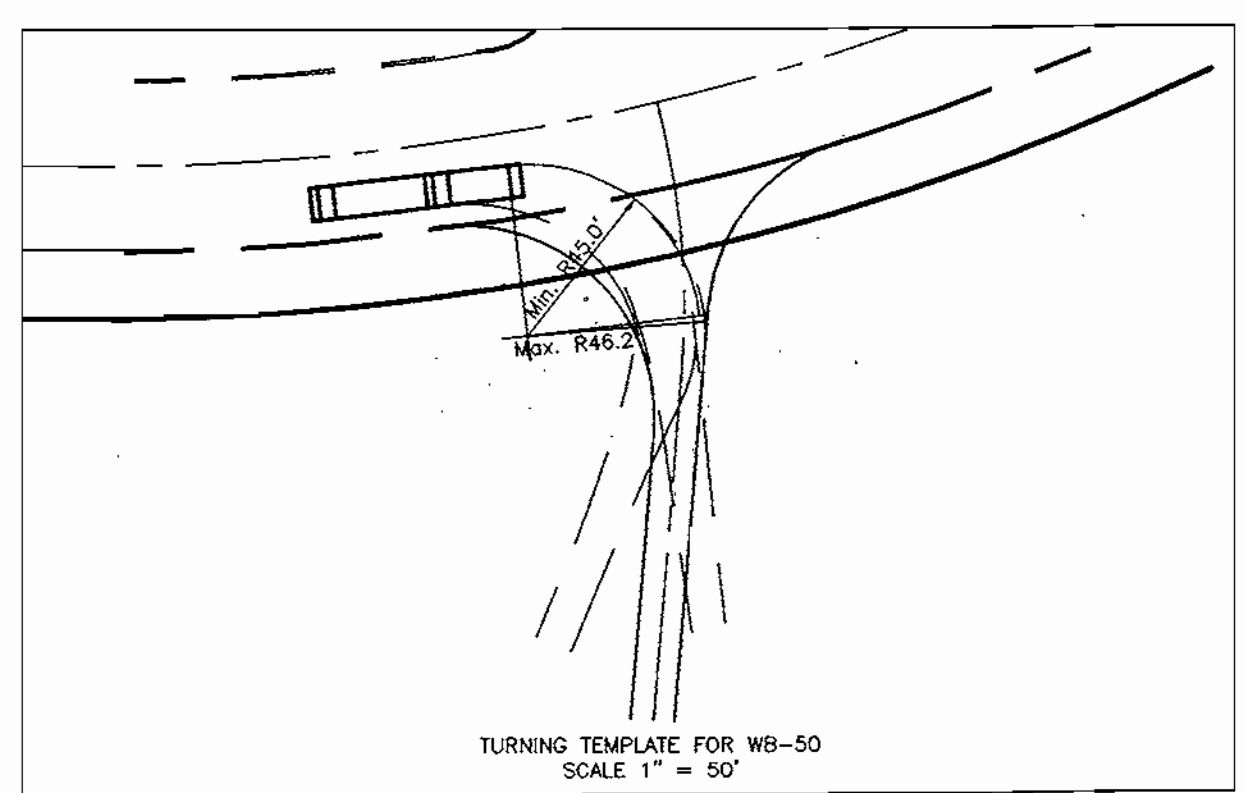
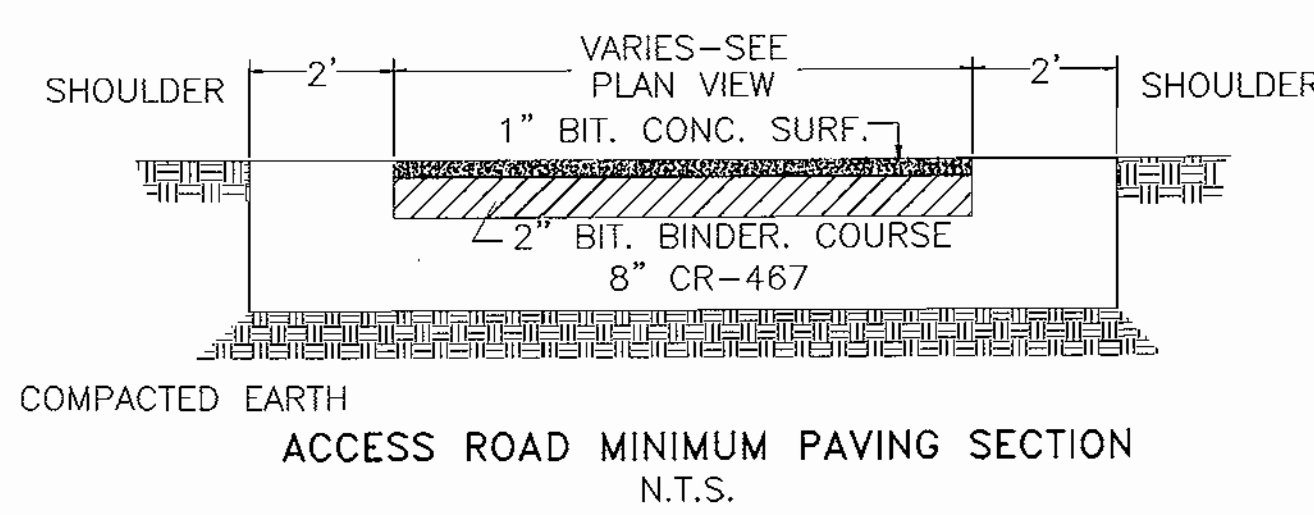


FSH Associates
Engineers Planners Surveyors
2318 Forest Street, Ellicott City, MD 21043
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E-mail: FSHAssociates@cs.com

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LEGEND

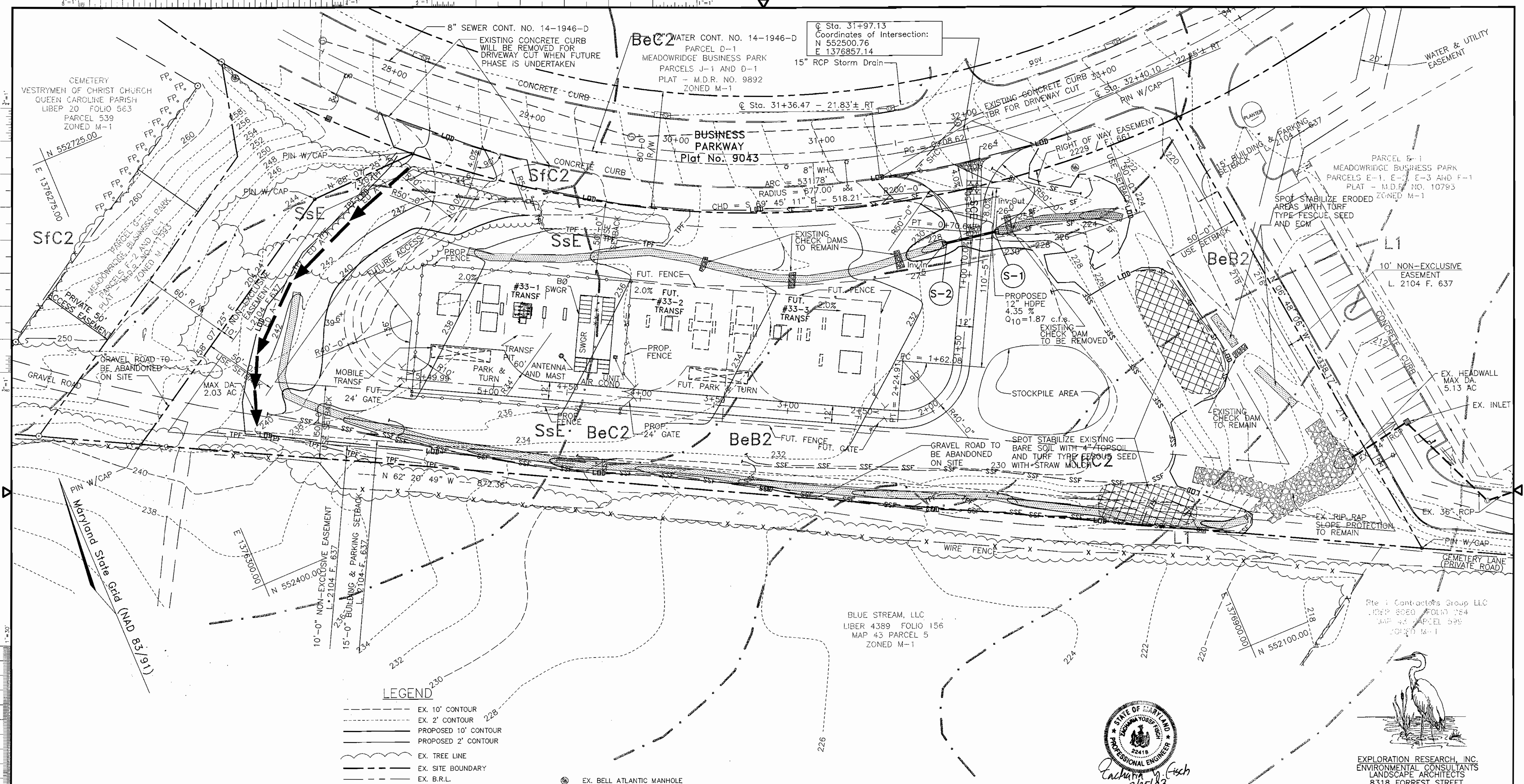
- EX. 10' CONTOUR
- EX. 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- EX. TREE LINE
- EX. SITE BOUNDARY
- EX. B.R.L.
- PROPOSED TREE PROTECTION FENCE
- PROPOSED 8' FENCE
- ⊙ EX. BELL ATLANTIC MANHOLE
- ⊙ EX. SANITARY MANHOLE
- ⊙ EX. STORM DRAIN INLET
- ⊙ EX. STORM DRAIN CURB INLET
- ⊙ EX. TRAFFIC SIGN
- ⊙ EX. LIGHT POLE
- ⊙ EX. STORM DRAIN MANHOLE
- ⊙ EX. FIRE HYDRANT
- ⊙ EX. WATER VALVE
- ⊙ EX. FENCE POST



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 4/1/03
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 4/1/03
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 4/1/03
 DIRECTOR

REV.	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD ENGINEERING
-		D01492	INSTALL NEW 34.5-13.8KV SUBSTATION. 3 FDR POS & 2 FDR'S #8913,8914		

SITE DEVELOPMENT AND GRADING PLAN AND DETAILS	
Parcel F-2 1st Election District Tax Map 37 Grid 23 Parcel 362 Howard County, Maryland SHEET 2 OF 6 34.5-13KV SUBSTATION	
MEADOWRIDGE	
SUBSTATION & SYSTEM PROTECTION	
DESIGNED: ERI	SCALE: 1"=30'
DRAWN: ERI	DWG NO: 85788D
CHECKED:	REV:
APPROVED:	DATE: 20MAR2003



DEVELOPER'S CERTIFICATE
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE 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: *Stephen A. Good* DATE: 3/25/03

- LEGEND**
- EX. 10' CONTOUR
 - EX. 2' CONTOUR
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - EX. TREE LINE
 - EX. SITE BOUNDARY
 - EX. B.R.L.
 - PROPOSED TREE PROTECTION FENCE
 - PROPOSED 8' FENCE
 - EARTH DIKE
 - LOD --- LIMIT OF DISTURBANCE
 - SsE --- SOIL BOUNDARY
 - SF --- SILF FENCE
 - SSF --- SUPER SILT FENCE
 - EROSION CONTROL MATTING
 - SOIL STABILIZATION AREA
 - ⊙ EX. BELL ATLANTIC MANHOLE
 - ⊙ EX. SANITARY MANHOLE
 - ⊙ EX. STORM DRAIN INLET
 - ⊙ EX. STORM DRAIN CURB INLET
 - ⊙ EX. TRAFFIC SIGN
 - ⊙ EX. LIGHT POLE
 - ⊙ EX. STORM DRAIN MANHOLE
 - ⊙ EX. FIRE HYDRANT
 - ⊙ EX. WATER VALVE
 - ⊙ EX. FENCE POST

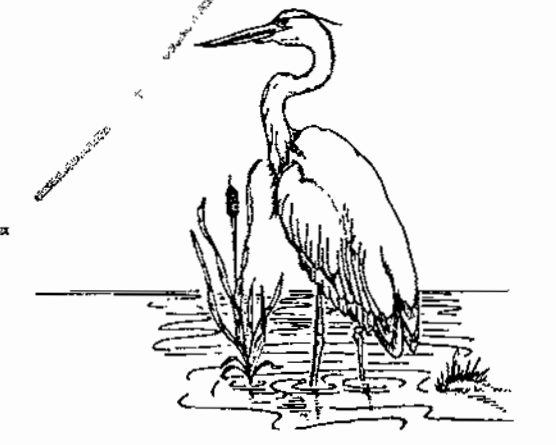
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

Signature: *Jim Meyer* DATE: 4/3/03
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature: *John M. ...* DATE: 4/3/03
 HOWARD SCD DATE

ENGINEERS CERTIFICATE
 "I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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: *Zacharia Y. Fisch* DATE: 3/25/03
 SIGNATURE OF ENGINEER
 ZACHARIA Y. FISCH



FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street, Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com



EXPLORATION RESEARCH, INC.
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS
 8318 FORREST STREET
 ELLICOTT CITY, MARYLAND 21043
 TEL: (410) 750-1150 FAX: (410) 750-7350

UPDATE YOUR PRINT TO REFLECT "AS BUILT" STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

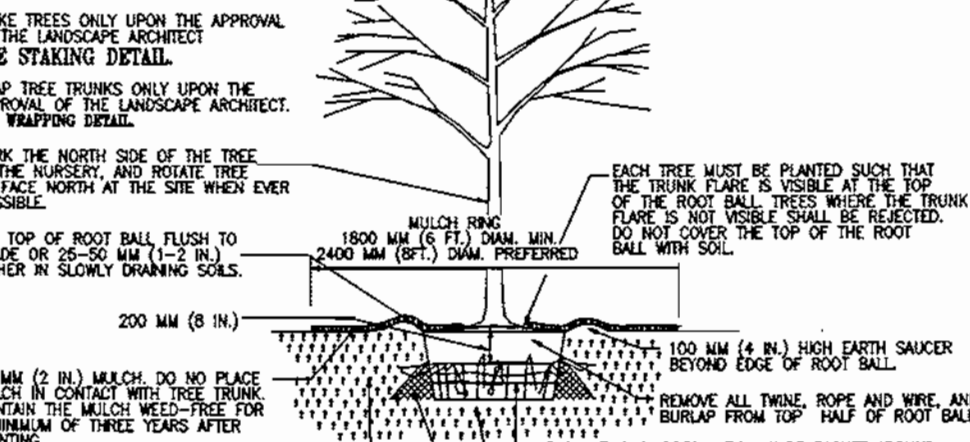
REV	DATE	ACCOUNT NO	DESCRIPTION	APPROVED	AUTOCAD
-		D01492	INSTALL NEW 34.5-13.8KV SUBSTATION. 3 FDR POS & 2 FDR'S #8913,8914		ENGINEERING

DESIGNED	ERI
DRAWN	ERI
CHECKED	
APPROVED	
DATE	20MAR2003

EROSION AND SEDIMENT CONTROL PLAN AND DETAILS	
Parcel F-2 1st Election District	
Tax Map 37 Grid 23 Parcel 362	
Howard County, Maryland	
SHEET 3 OF 6	
34.5-13KV SUBSTATION	
MEADOWRIDGE	
SUBSTATION & SYSTEM PROTECTION	
SCALE	1"=30'
DWG NO.	85789D
REV	

INTERNATIONAL SOCIETY OF ARBORICULTURE
1400 WEST ANTHONY DRIVE
CHAMPAIGN, IL 61821
(217) 352-9411
(217) 352-9516 FAX

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. MAKE SURE THE TREE IS PLANTED AT THE CORRECT LOCATION AND BROWN OR DEAD BRANCHES ARE REMOVED. BRANCHES THAT ARE DAMAGED OR MAY BE PRUNED SHOULD NOT BE REMOVED UNTIL THE TREE IS ESTABLISHED. BRANCHES SHOULD EXTEND TO THE EDGE OF THE CROWN.



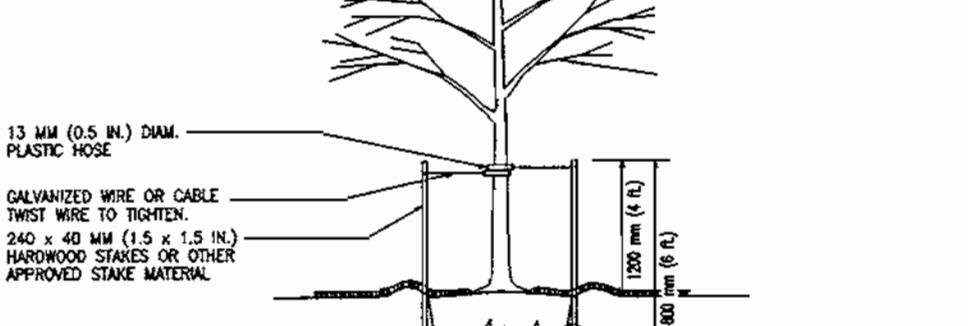
STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE STAKING DETAIL.
WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.
EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK IS PLANTED IN A LINE WITH THE TOP OF THE ROOT BALL. PRESS WHERE THE TRUNK MEETS THE SOIL. THE ROOT BALL SHALL BE PLANTED SO THAT IT IS FULLY COVERED BY THE SOIL.
IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN TWO PLACES AND FOLD DOWN 200 MM (8 IN.) INTO PLANTING HOLE.
PLACE ROOT BALL ON UNCOMPACTED OR TAMPED SOIL.
IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN TWO PLACES AND FOLD DOWN 200 MM (8 IN.) INTO PLANTING HOLE.
PLACE ROOT BALL ON UNCOMPACTED OR TAMPED SOIL.
TAMP SOIL AROUND ROOT BALL. MAKE SURE SOIL IS COMPACTED AROUND ROOT BALL. SO THAT ROOT BALL DOES NOT SHIFT.

NOTE: FOR DIMENSIONS OF PLANTING AREAS, TYPES OF SOIL AMENDMENTS, OR SOIL REPLACEMENT, SEE "SOIL IMPROVEMENT DETAILS".

NOTE: THIS DETAIL ASSUMES THAT THE PLANTING SPACE IS LARGER THAN 2400 MM (8 FT.) SQUARE, OPEN TO THE SKY, AND NOT COVERED BY ANY PAVING OR GRASSING.

INTERNATIONAL SOCIETY OF ARBORICULTURE
1400 WEST ANTHONY DRIVE
CHAMPAIGN, IL 61821
(217) 352-9411
(217) 352-9516 FAX

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
TREES 17 TO 45 MM (2.5 IN.) CALIBER - 14 GAUGE
TREES 45 MM (2.5 IN.) TO 75 MM (3 IN.) CALIBER - 12 GAUGE
TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE SWAY (1.5 IN.) OF GROWTH AND SUFFER ALL BRANCHES FROM THE WIRE.
TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.



13 MM (0.5 IN.) DUAL PLASTIC HOSE
CALUMNETED WIRE OR CABLE TWICE MORE TO TIGHTEN
240 x 40 MM (1.5 x 1.5 IN.) HARDWOOD STAKES OR OTHER APPROVED STAKE MATERIAL
ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.

ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).
REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

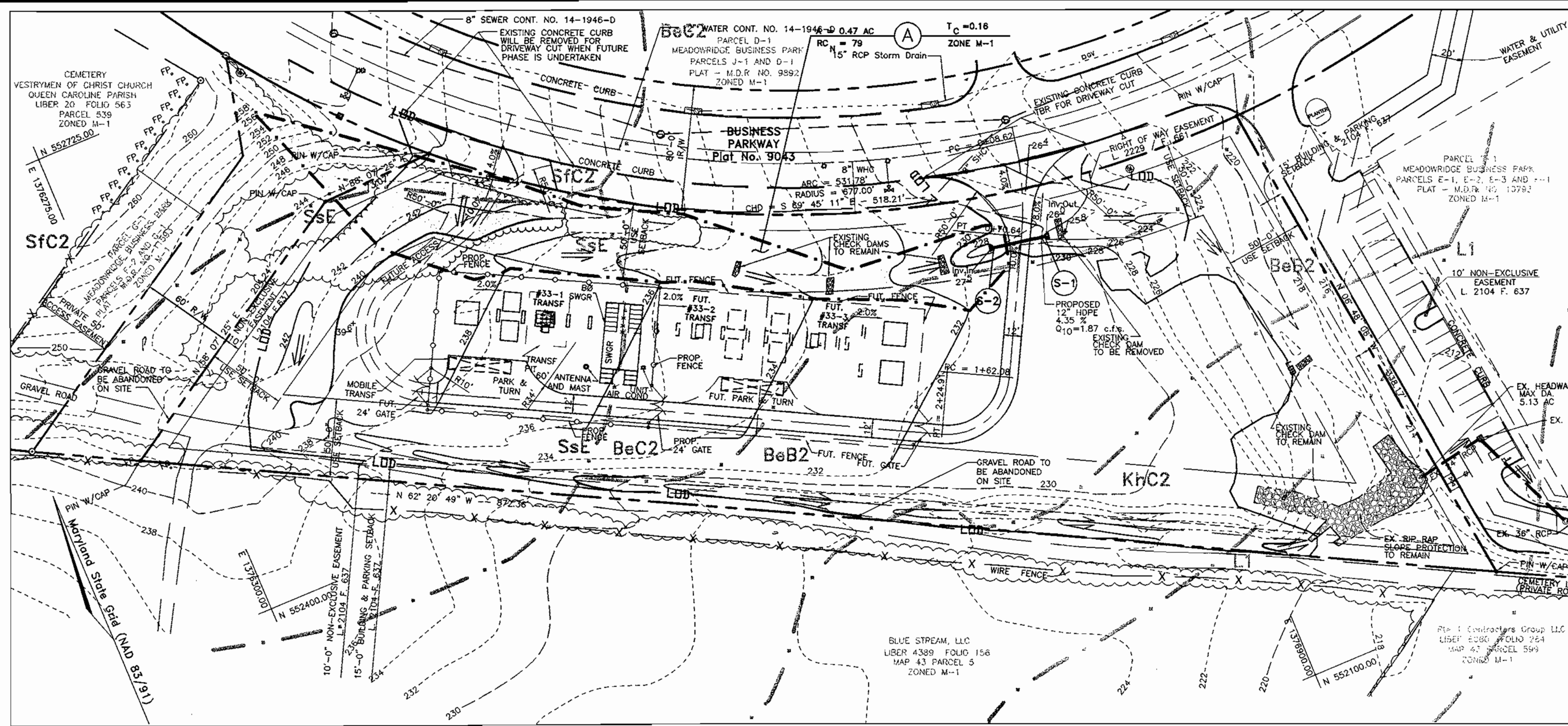
TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:
TREES WITH POOR - QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. SELECT RATHER THAN STAKE.
TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. SELECT RATHER THAN STAKE.
PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOIL AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
ROOT BALLS PLACED ON SOFT SOIL. TAMP SOIL UNDER ROOT BALL PRIOR TO PLANTING.
ROOT BALLS WITH VERY SAVY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

NOTE: PLEASE REFER TO INTRODUCTION AND USE CRITERIA PRIOR TO USING THIS DETAIL.

STORM DRAIN STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	TOP ELEV.	INV. IN	INV. OUT	REMARKS
S-1	12" HDPE End Section	N 552,428.03 E 1,376,849.15	227.17	226.00	225.88	Hancor or Equivalent
S-2	12" HDPE End Section	N 552,433.85 E 1,376,816.50	228.67	227.62	227.50	Hancor or Equivalent

STORM DRAIN PIPE SCHEDULE		
SIZE	TYPE	LENGTH
12"	HDPE	35 LF

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
BeB2	Beltsville silt loam, 1-5 percent slopes, moderately eroded	C
BeC2	Beltsville silt loam, 5-10 percent slopes, moderately eroded	C
KhC2	Keyport silt loam, 3-10 percent slopes, moderately eroded	C
L1	Leonardtown silt loam	D
SfC2	Sassafras gravelly sandy loam, 5-10 percent slopes, moderately eroded	B
SsE	Sassafras soils, 15-40 percent slopes	B

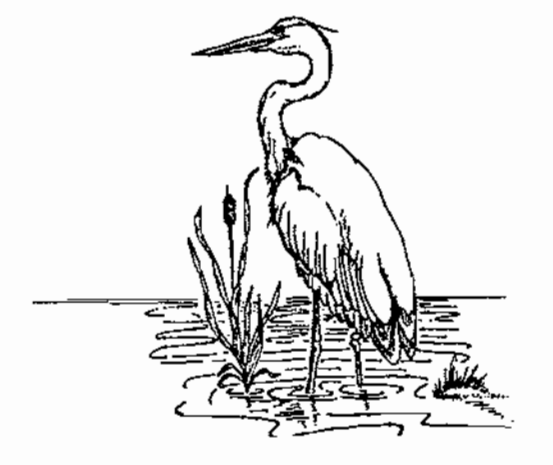


DRAINAGE AREA MAP - CULVERT
Scale: 1" = 50'

PLANTING NOTES

- Riparian areas may be planted as soon as reasonable to do so. Late winter-early spring plantings are preferred. Earliest planting dates will vary from year to year but planting may generally begin as soon as the ground is no longer frozen. Alternate planting dates may be considered as condition warrants.
- Soil amendments and fertilization recommendations will be made based upon the results of soil analysis for nitrogen, phosphorus, potassium, organic matter content and pH. If required, fertilizer will be provided using a slow release, soluble 16-8-16 analysis designed to last 5-8 years contained in polyethylene perforated bags such as manufactured by ADCO Works, P.O. Box 310 Hollins, N.Y. 11423 or approved equal.
- Plant materials will be planted in accordance with the Planting Distribution Diagram, Planting Details and plant schedule.
- Plant material shall be nursery grown and inspected prior to planting. Plants not conforming to the American Standard for Nursery Stock specifications for size, form, vigor, or roots, or due to trunk wounds, breakage, desiccation, insect or disease must be replaced.
- Planting stock must be protected from desiccation at all times prior to planting. Materials held for planting shall be moistened and placed in cool shaded areas until ready for placement.
- Newly planted trees may require watering at least once per week during the first growing season depending on rainfall in order to get established. The initial planting operation should allow for watering during installation to completely soak backfill material.
- Planting holes should be excavated to a minimum diameter of 2.5 to 3 times the diameter of the root ball or container. Mechanical angering is preferred with scarification of the sides of each hole.
- Mulch shall be applied in accordance with the diagram provided and shall consist of composted, shredded hardwood bark mulch, free of wood alcohol.
- One hundred per cent (100%) survival of plantings shall be guaranteed for one (1) year. Replacement plantings shall be provided after first year's growing season.

FSH Associates
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8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
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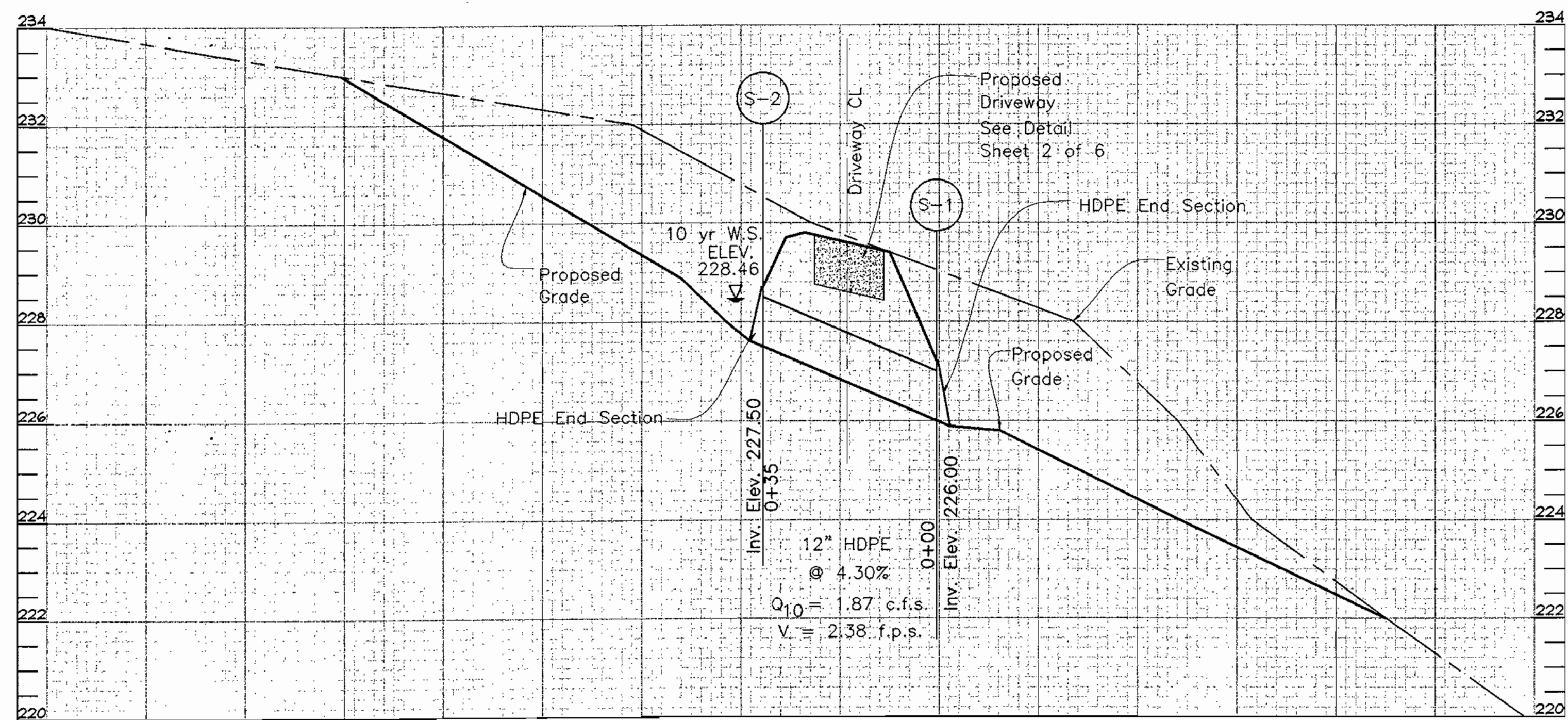
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ENVIRONMENTAL CONSULTANTS
LANDSCAPE ARCHITECTS
8318 FORREST STREET
ELLCOTT CITY, MARYLAND 21043
TEL: (410) 750-1150 FAX: (410) 750-7350



UPDATE YOUR PRINT TO REFLECT "AS BUILT" STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

REV	DATE	ACCOUNT NO	DESCRIPTION	APPROVED	AUTOCAD	STORM DRAIN & LANDSCAPING NOTES AND DETAILS
-		DO1492	INSTALL NEW 34.5-13.8KV SUBSTATION. 3 FDR POS & 2 FDR'S #8913,8914			Parcel F-2 1st Election District Tax Map 37 Grid 23 Parcel 362 Howard County, Maryland SHEET 5 OF 6 34.5-13KV SUBSTATION

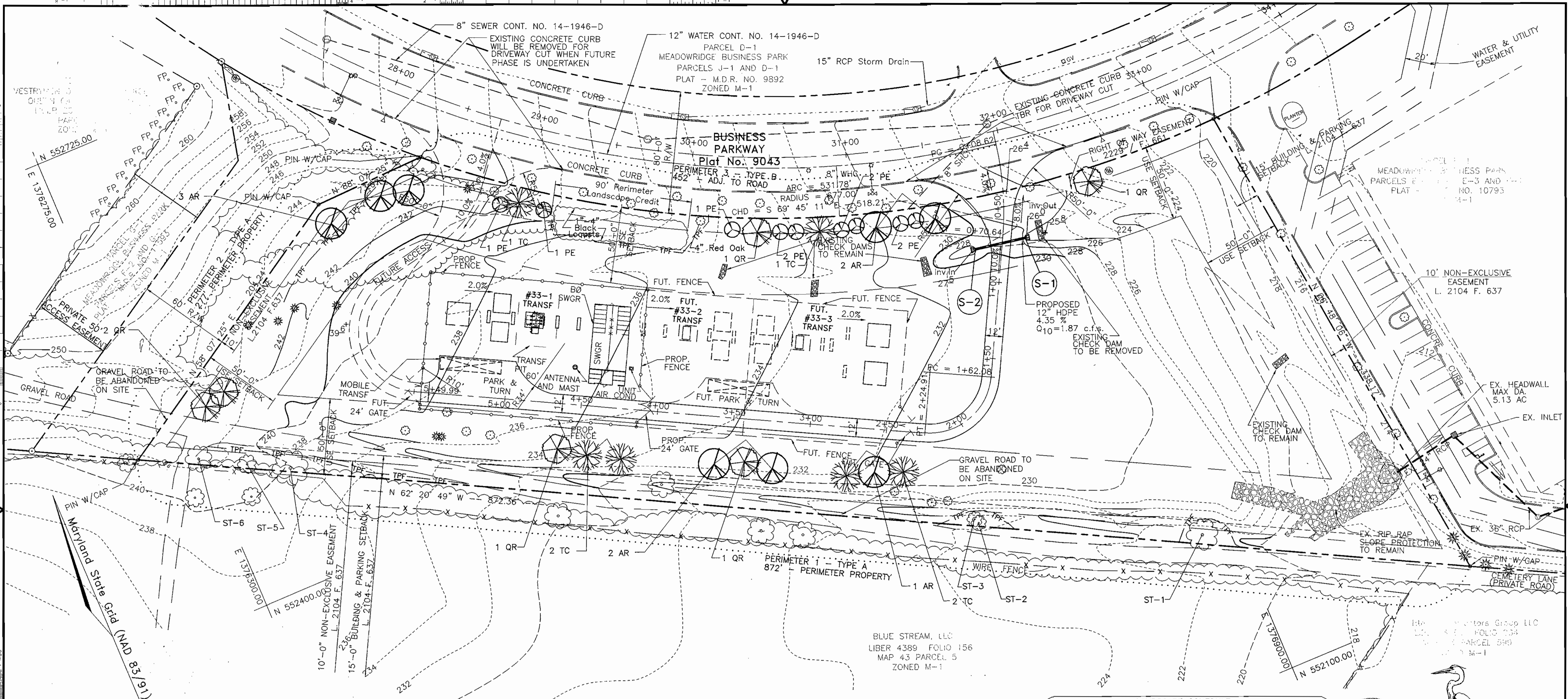
STORM DRAIN STRUCTURE - PROFILE
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 2'



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] DATE 4/10/15
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] DATE 4/10/15
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] DATE 4/10/15
 DIRECTOR

DESIGN GROUP
 DESIGNED: ERI
 DRAWN: ERI
 CHECKED: ERI
 APPROVED: ERI
 DATE: 20MAR2003

MEADOWRIDGE
 SUBSTATION & SYSTEM PROTECTION
 SCALE AS SHOWN
 DWG NO. 85791D
 REV



KEY	SIZE	BOTANICAL NAME	NOTES
ST-1	16" CAL.	Quercus falcata Southern Red Oak	TWIN STEM
ST-2	6" CAL.	Quercus rubra Red Oak	
ST-3	6" CAL.	Quercus rubra Red Oak	
ST-4	24" CAL.	Quercus rubra Red Oak	
ST-5	10" CAL.	Quercus rubra Red Oak	
ST-6	17" CAL.	Quercus rubra Red Oak	

- LEGEND**
- EX. 10' CONTOUR
 - EX. 2' CONTOUR
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - EX. TREE LINE
 - EX. SITE BOUNDARY
 - EX. B.R.L.
 - PROPOSED 8" FENCE
 - LOD LIMIT OF DISTURBANCE
 - EX. CONIFEROUS TREE
 - PROPOSED TREE PROTECTION FENCE
 - ⊙ EX. BELL ATLANTIC MANHOLE
 - ⊙ EX. SANITARY MANHOLE
 - ⊙ EX. STORM DRAIN INLET
 - ⊙ EX. STORM DRAIN CURB INLET
 - ⊙ EX. TRAFFIC SIGN
 - ⊙ EX. LIGHT POLE
 - ⊙ EX. STORM DRAIN MANHOLE
 - ⊙ EX. FIRE HYDRANT
 - ⊙ EX. WATER VALVE
 - ⊙ EX. FENCE POST
 - ⊙ EX. DECIDUOUS TREE

CATEGORY	SCHEDULE A PERIMETER LANDSCAPE EDGE	
	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO ROADWAYS
Perimeter/Frontage Designation	1	2
Landscape Type	A	A
Linear Feet of Perimeter	872	277
Credit for Existing Vegetation (Yes, No, Linear Feet)	*Yes	No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet Describe below if needed)	No	No
Number of Plants Required		
Shade Trees	1:60 9	1:50 7
Evergreen Trees	1:60 5	1:40 9
Shrubs	---	---
Number of Plants Provided		
Shade Trees	9	5
Evergreen Trees	---	9
Other Trees (2:1 Substitution)	---	---
Shrubs (10:1 Substitution)	---	---
Describe Plant Substitution Credits Below if needed		

KEY QUAN.	BOTANICAL NAME	SIZE	NOTE
AR 8	Acer Rubrum 'October Glory'	2 1/2"-3" Cal.	B & B
PE 9	Pinus echinata Shortleaf Pine	6-8'	B & B
QR 6	Quercus rubra Red Oak	2 1/2"-3" Cal.	B & B
TC 7	Tilia cordata 'Greenspire'	2 1/2"-3" Cal.	B & B
	Greenspire Littleleaf Linden		

See Sheet 5 of 6 for planting notes and details.

FSH Associates
Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
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STATE OF MARYLAND PROFESSIONAL ENGINEER
3/25/03
EXPLORATION RESEARCH, INC.
ENVIRONMENTAL CONSULTANTS
LANDSCAPE ARCHITECTS
8318 FORREST STREET
ELLICOTT CITY, MARYLAND 21043
TEL: (410) 750-1150 FAX: (410) 750-7350

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DATE: 4/10/03
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 4/10/03
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 4/10/03
DIRECTOR

DEVELOPER'S BUILDER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE (1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
DATE: 3/25/03
SIGNATURE OF DEVELOPER

* Credit was taken for six (6) existing trees along perimeter 1. See specimen tree table, this sheet.
** Credit was taken for one (1) existing shade tree along perimeter 3. This tree was planted at the time of initial site development for the business park in the buffer area. Other existing buffer trees were planted in the ROW and some will be removed for driveway cuts and grading.

REV.	DATE	ACC. I.D. NO.	DESCRIPTION	APPROVED	AUTOCAD ENGINEERING	LANDSCAPE PLAN
		D01492	INSTALL NEW 34.5-13.8KV SUBSTATION, 3 FDR POS & 2 FDR'S #8913,8914			Parcel F-2 1st Election District Tax Map 37 Grid 23 Parcel 362 Howard County, Maryland SHEET 6 OF 6 34.5-13KV SUBSTATION
						MEADOWRIDGE SUBSTATION & SYSTEM PROTECTION
						BGE SCALE: 1"=30' REV: 85792D