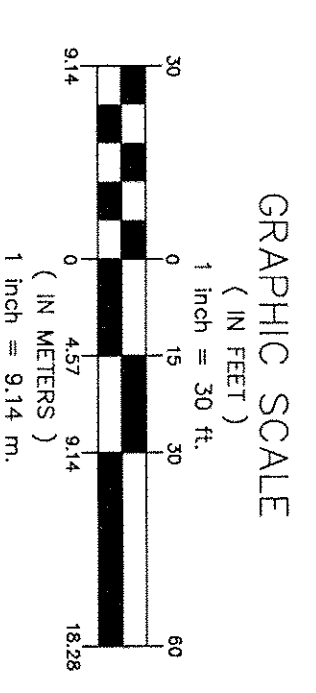
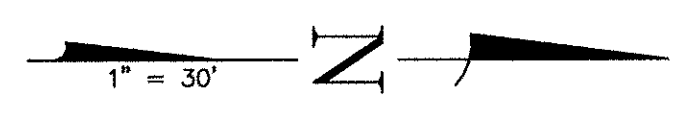




**INTERSTATE 270
SHA PLAT 11496 & 11495**



LEGEND

	SPECIMEN TREE		TREE COVER
	SIGNIFICANT TREES TO BE REMOVED		FOREST BOUNDARY
	CRITICAL ROOT ZONE RADIUS = 1.5 FEET PER INCH DBH		EXISTING FOREST TO REMAIN CATEGORY I
	CRITICAL ROOT ZONE RADIUS = 1.5 FEET PER INCH DBH		FOREST TO BE REMOVED
	LIMIT OF DISTURBANCE (road/grading)		TREE PROTECTION FENCE - ROOT PRUNING, & TEMPORARY TREE PROTECTION SIGNAGE (AS SHOWN IN TREE FENCE DETAIL)
	SIT FENCE		Earth Dike
	SLOPE SIT FENCE		

DIVISION'S CERTIFICATION

The undersigned hereby certifies that the provisions of the approved Final Forest Management Plan, as shown on the attached site plan, are in accordance with the Forest Management Plan Act, 10 Pa.C.S. §§ 2601-2603, and the Forest Management Regulations, 25 Pa.C.S. §§ 2601-2603.

Division's Name: **NORTH MONTGOMERY ZOO LIFE DEVELOPMENT**

Project Name: **2000 Tower Oaks Blvd., 8th floor**

Project Address: **301-592-2833, jh@northmontgomery.com**

Project Location: **North Montgomery, PA**

Project Date: **6/12/13**

Project No.: **10-102-12**

Project Name: **Crystal Rock**

QUALIFIED PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.

FRANK C. JOHNSON

REGISTERED AS QUALIFIED PROFESSIONAL FOREST MANAGER

NO. 0000000000

DATE: **6/12/13**

FINAL FOREST CONSERVATION PLAN

CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN

CRYSTAL ROCK

CHURCHILL TOWN SECTOR CERMANTOWN

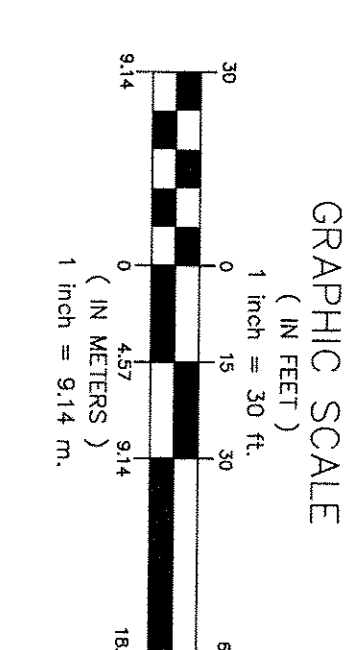
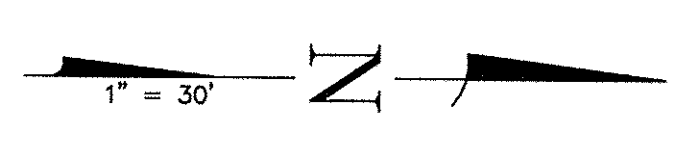
DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
Engineers • Planners • Surveyors
Landscape Architects

9220 Wagstaff Road, Suite 220
20888-1279
Phone: 301.919.9240
Fax: 301.919.9240
www.mhga.com

Proj. Mgr.	Designer
Date	Scale
6-12-13	1" = 30'
Project No.	Sheet
10-102-12	2 of 9

EAST BOUND LANES



LEGEND

- SIGNIFICANT TREE
- SPECIMEN TREE
- SIGNIFICANT & SPECIMEN TREES TO BE REMOVED
- CRITICAL ROOT ZONE RADIUS = 1.5 FEET PER INCH DBH
- LIMIT OF DISTURBANCE (road/grading)
- ST - St. Fence
- SSP - Super St. Fence
- TREE COVER
- FOREST BOUNDARY
- EXISTING FOREST TO REMAIN CATEGORY I
- FOREST TO BE REMOVED
- TREE PROTECTION FENCE: ROOT PROTECTION CATEGORY I (AS SHOWN IN TREE FENCE DETAIL)
- Earth Dike

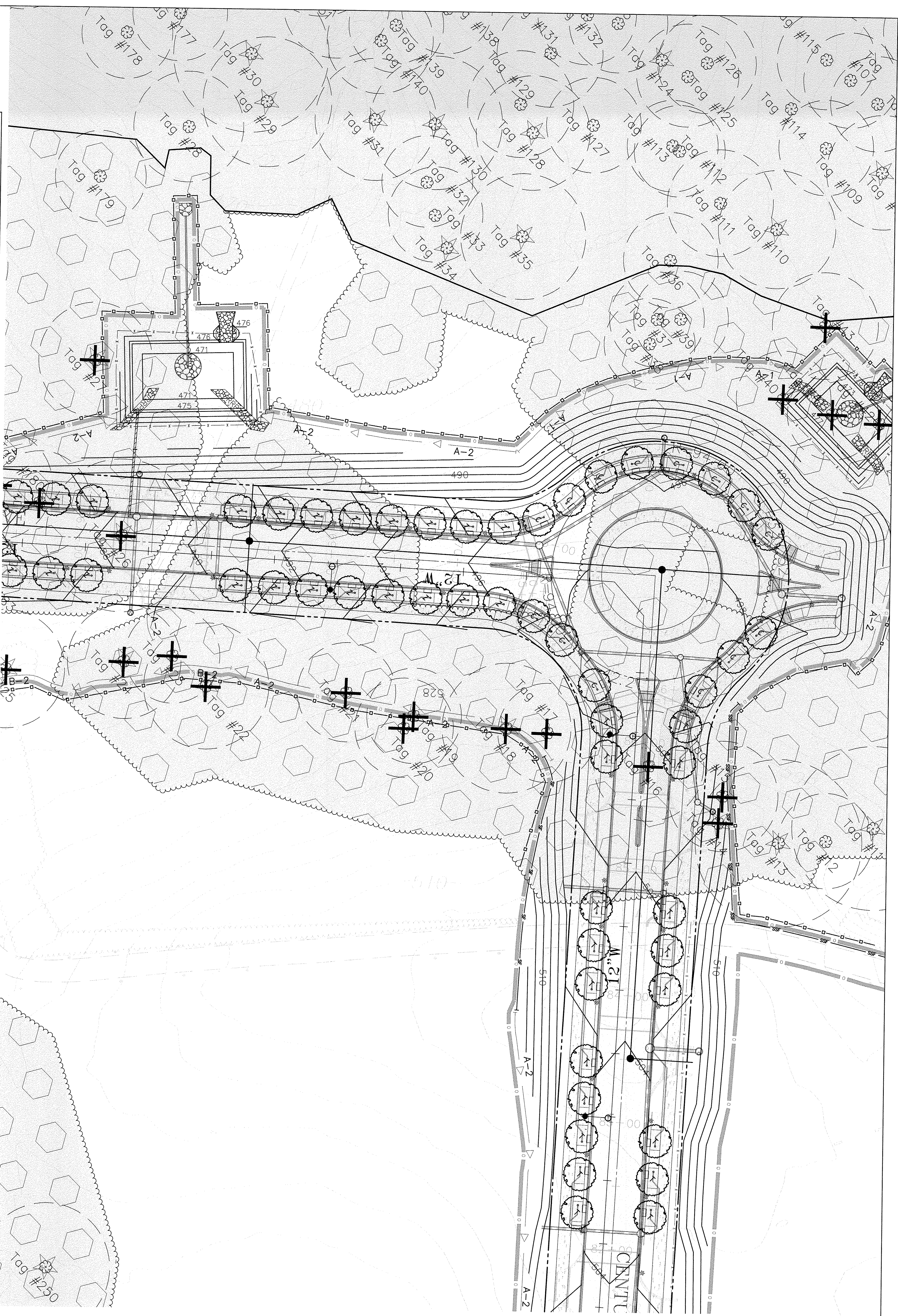
REGISTERED PROFESSIONAL CERTIFICATE
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION IS BEING OBSERVED.
 DATE: 6/12/13
 FRANK C. JOHNSON
 REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
 2000 Tower Oaks Blvd., 8th floor
 Bethesda, MD 20852
 301-652-7261, fjohnson@mhg.com

QUALIFIED PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION IS BEING OBSERVED.
 DATE: 6/12/13
 FRANK C. JOHNSON
 REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
 2000 Tower Oaks Blvd., 8th floor
 Bethesda, MD 20852
 301-652-7261, fjohnson@mhg.com

MHG Macris, Hendricks & Glascock, P.A.
 Landscapes Architects • Surveyors
 9220 Wisconsin Road, Suite 220
 Montgomery Village, Maryland
 20888-1279
 Phone: 301-678-8840
 Project No. 10-02-12
 3 of 9

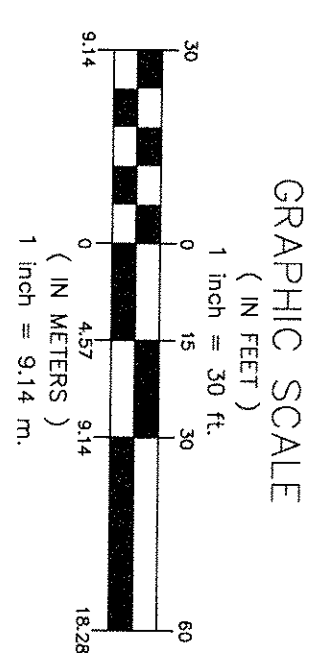
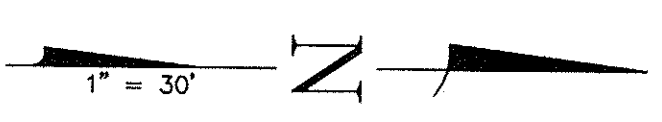
FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
CRYSTAL ROCK
 CHURCHILL TOWN SECTOR GERMANTOWN
 MONTGOMERY COUNTY - MARYLAND

Proj. Mgr. Designer
 MDP FCJ
 Date: 6-12-13
 Scale: 1" = 30'
 Project No. 10-02-12
 Sheet 3 of 9



LEGEND

- SIGNIFICANT TREE
- ☆ SPECIMEN TREE
- ✕ SIGNIFICANT & SPECIMEN TREES TO BE REMOVED
- CRITICAL ROOT ZONE (RADIUS 1.5x DBH)
- LIMIT OF DISTURBANCE (road/grading)
- SF — SF Silt Fence
- SSF — SSF Super Silt Fence
- TREE COVER
- FOREST BOUNDARY
- EXISTING FOREST TO REMAIN CATEGORY I
- FOREST TO BE REMOVED
- TREE PROTECTION FENCE, TREE PRUNING, & TEMPORARY TREE PROTECTION SIGNAGE (AS SHOWN IN TREE FENCE DETAIL)
- Earth Dike



DRIVER'S CERTIFICATE

The undersigned engineer is a member of the Institute of Professional Engineers of the State of Maryland, License No. 12024, and is duly qualified to practice as a Professional Engineer in the State of Maryland.

Developer/Owner: **Montgomery County, Maryland**
 20000 Tower Oaks Blvd., 8th Floor
 Rockville, MD 20852
 Telephone: 301-593-6531
 Email: landuse@montgomery.com

Signature: _____

QUALIFIED PROFESSIONAL CERTIFICATION

I, HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND.

DATE: 6/12/12

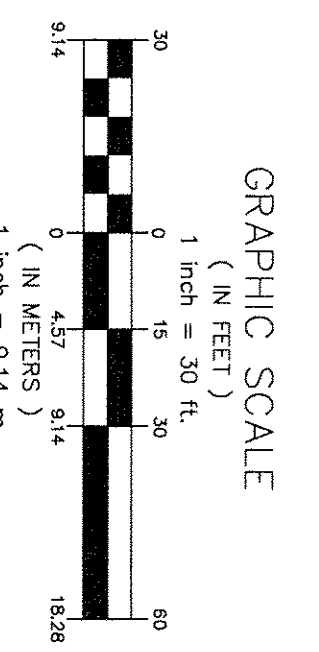
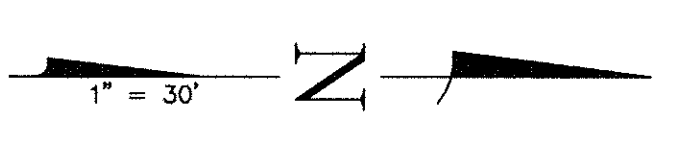
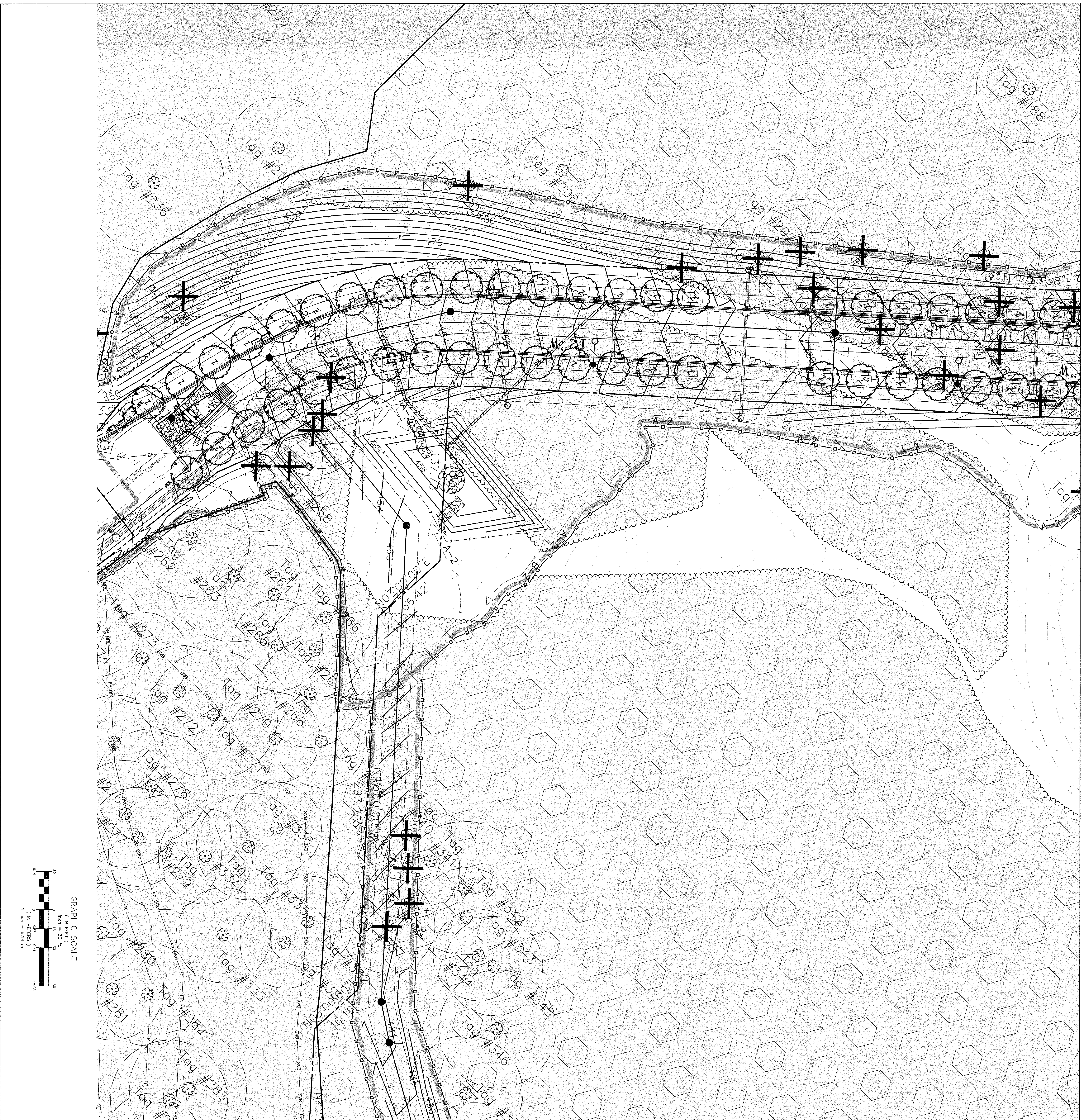
FRANK C. JOHNSON
 REGISTERED AS QUALIFIED PROFESSIONAL ENGINEER
 LICENSE NO. 12024
 COMAR 08.19.06.01

FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
CRYSTAL ROCK
 CHURCHILL TOWN SECTOR CERMANTOWN
 2ND ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners
 Landscape Architects • Surveyors

9220 Wiggam Road, Suite 200
 Rockville, MD 20850
 Phone: 301.670.0840
 Fax: 301.586.0839
 www.mhgap.com

Proj. No.	08-102-12
Date	6-12-13
Scale	1" = 30'
Sheet	4 of 9



GRAPHIC SCALE

LEGEND

- SIGNIFICANT TREE
- SPECIMEN TREE TO BE REMOVED
- CRITICAL ROOT ZONE RADIUS = 1.5 FEET PER INCH DBH
- LIMIT OF DISTURBANCE (road/grading)
- LIMIT OF DISTURBANCE (sewer)
- Silt Fence
- Super Silt Fence
- STREAM VALLEY BUFFER
- TREE COVER
- FOREST BOUNDARY
- EXISTING FOREST TO REMAIN CATEGORY I
- FOREST TO BE REMOVED
- TREE PROTECTION FENCE, ROOT PRUNING, & TEMPORARY TREE PROTECTION SIGNAGE (AS SHOWN IN TREE FENCE DETAIL)
- Earth Disk
- FLOOD PLAN BRL
- FLOOD PLAN

DEVELOPER'S CERTIFICATE

The information shown is based on all the data of the Applicant from field notes, maps, reports, and other information, including, but not limited to, the following: ...

Developer's Name: North Village, 270 Ltd Partnership
 Developer's Address: 2000 Tower Oaks Blvd, 8th floor, Bethesda, MD 20814
 Project No. and Name: 201-692-7681, RedstoneGreen.com
 Signature: [Signature]

QUALIFIED PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THE INFORMATION IS BASED ON ALL THE DATA OF THE APPLICANT FROM FIELD NOTES, MAPS, REPORTS, AND OTHER INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: ...

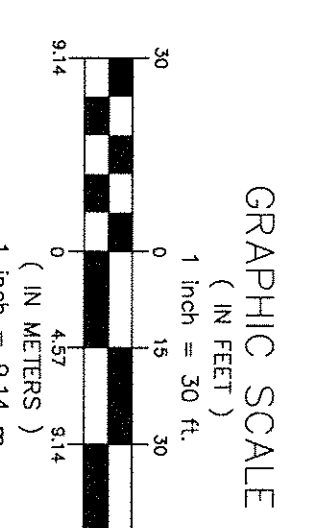
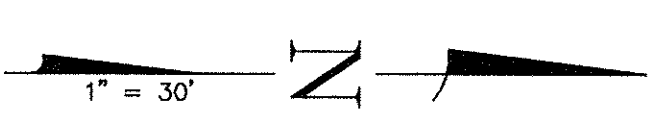
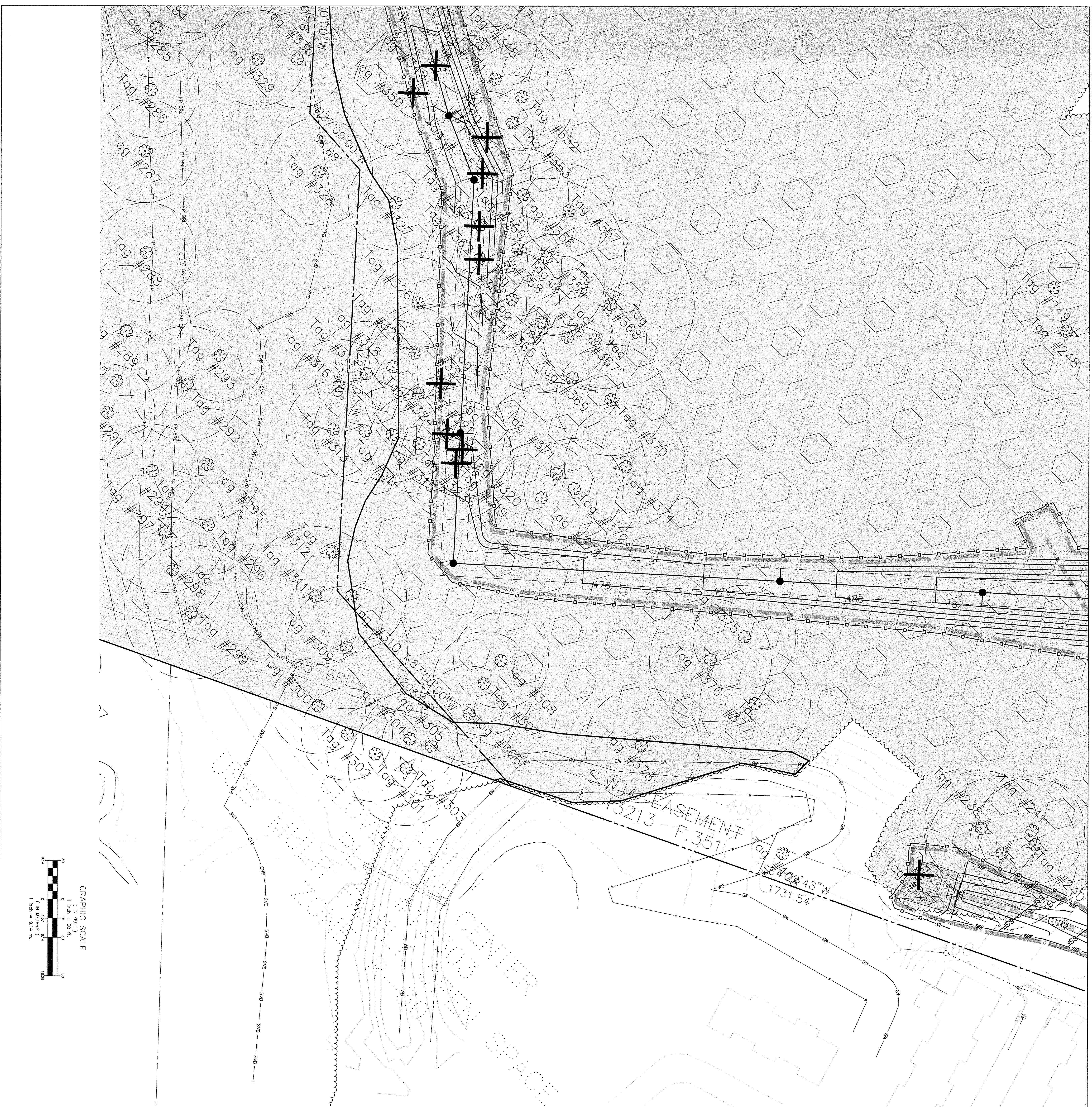
DATE: 6/12/13
 SIGNATURE: FRANK G. GONSON
 RECOGNIZED AS QUALIFIED PROFESSIONAL
 COMAR 08.19.06.01

FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
CRYSTAL ROCK
 CHURCHILL TOWN SECTOR GERMANTOWN
 2ND ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners
 Landscape Architects • Surveyors

9220 Widgeon Road, Suite 120
 20888-1279
 Phone: 301.670.0840
 www.mhga.com

Proj. Mfr. Designer
 Date: MDP FCI
 Scale: 6-12-13
 Project No. Sheet: 10-02-12
 6 of 9



LEGEND	
	SIGNIFICANT TREE
	SIGNIFICANT TREE TO BE REMOVED
	CRITICAL ROOT ZONE RADIUS = 1.5 FEET PER INCH DBH
	LIMIT OF DISTURBANCE (road/grading)
	LIMIT OF DISTURBANCE (sewer)
	Silt Fence
	Super Silt Fence
	WETLAND
	WETLAND BUFFER
	TREE COVER
	FOREST BOUNDARY
	EXISTING FOREST TO REMAIN CATEGORY I
	FOREST TO BE REMOVED
	TREE PROTECTION FENCE
	FOREST PROTECTION SIGNAGE (AS SHOWN IN TREE FENCE DETAIL)
	STREAM/WATER
	STREAM VALLEY BUFFER
	Earth Dike

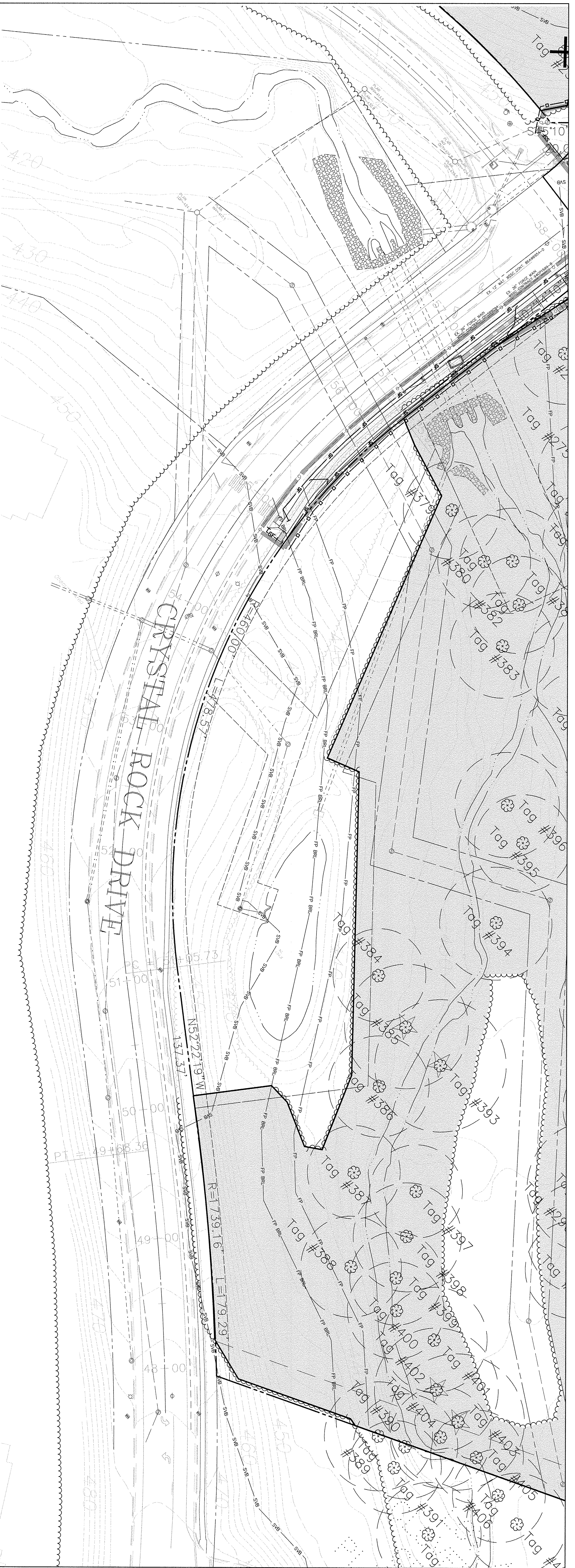
QUALIFIED PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THE SAME COMES WITHIN THE SCOPE OF MY PROFESSIONAL CAPABILITY OF EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.
 DATE: 6/12/13
 FRANK C. JONKSMAN
 RECOGNIZED AS QUALIFIED PROFESSIONAL
 COMAR 08.15.08.01

FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
 CHURCHILL TOWN SECTOR GERMANTOWN
 2ND ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners • Surveyors
 Landscape Architects

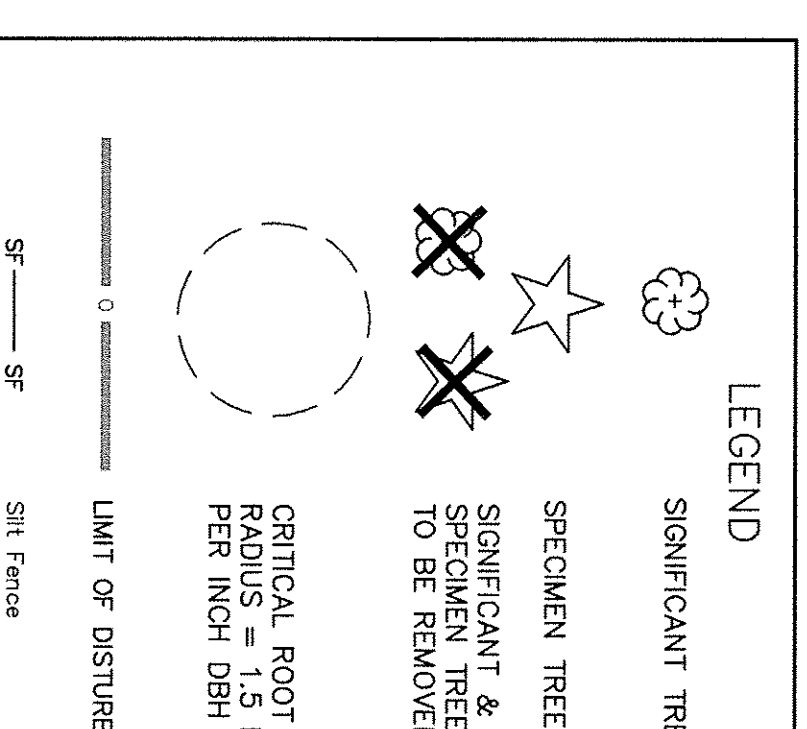
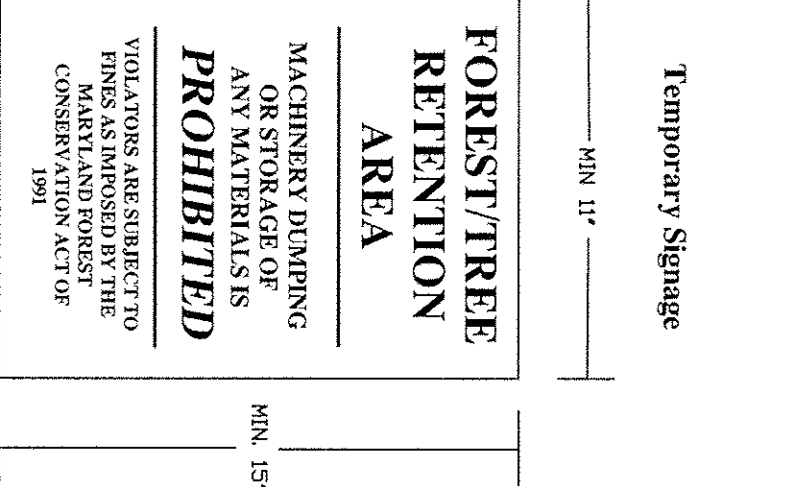
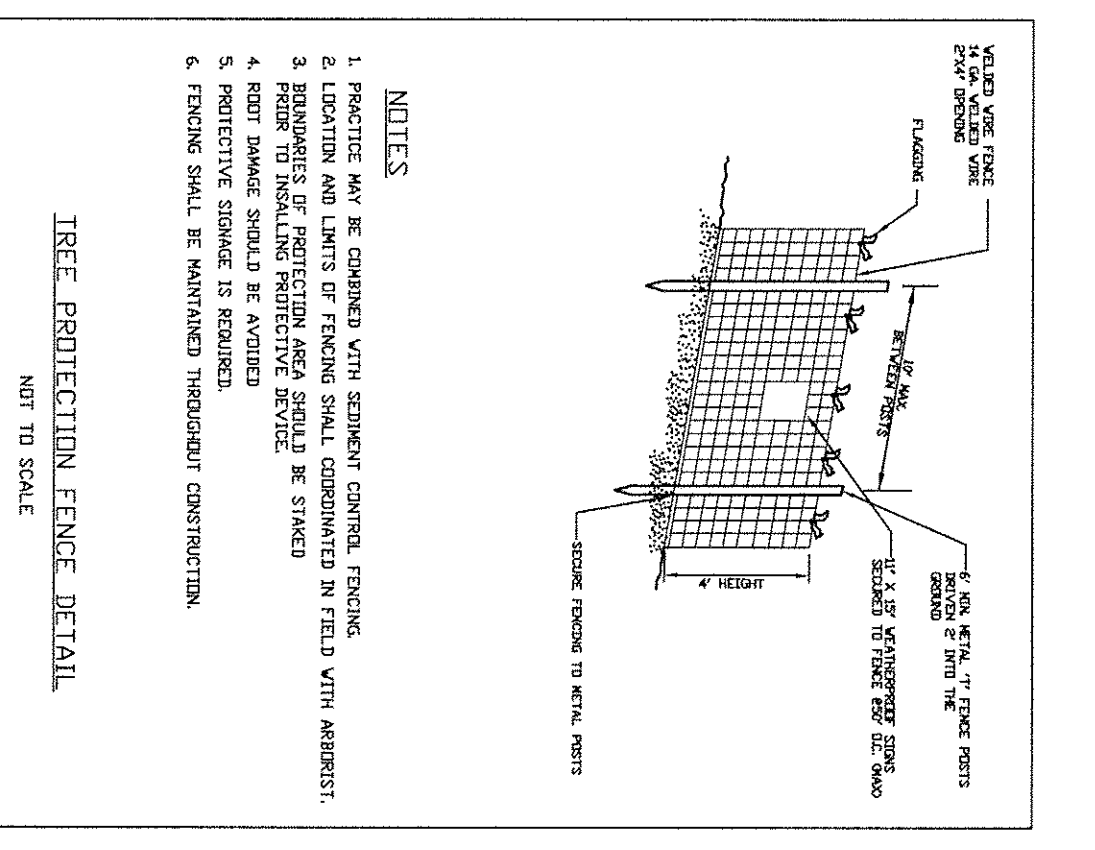
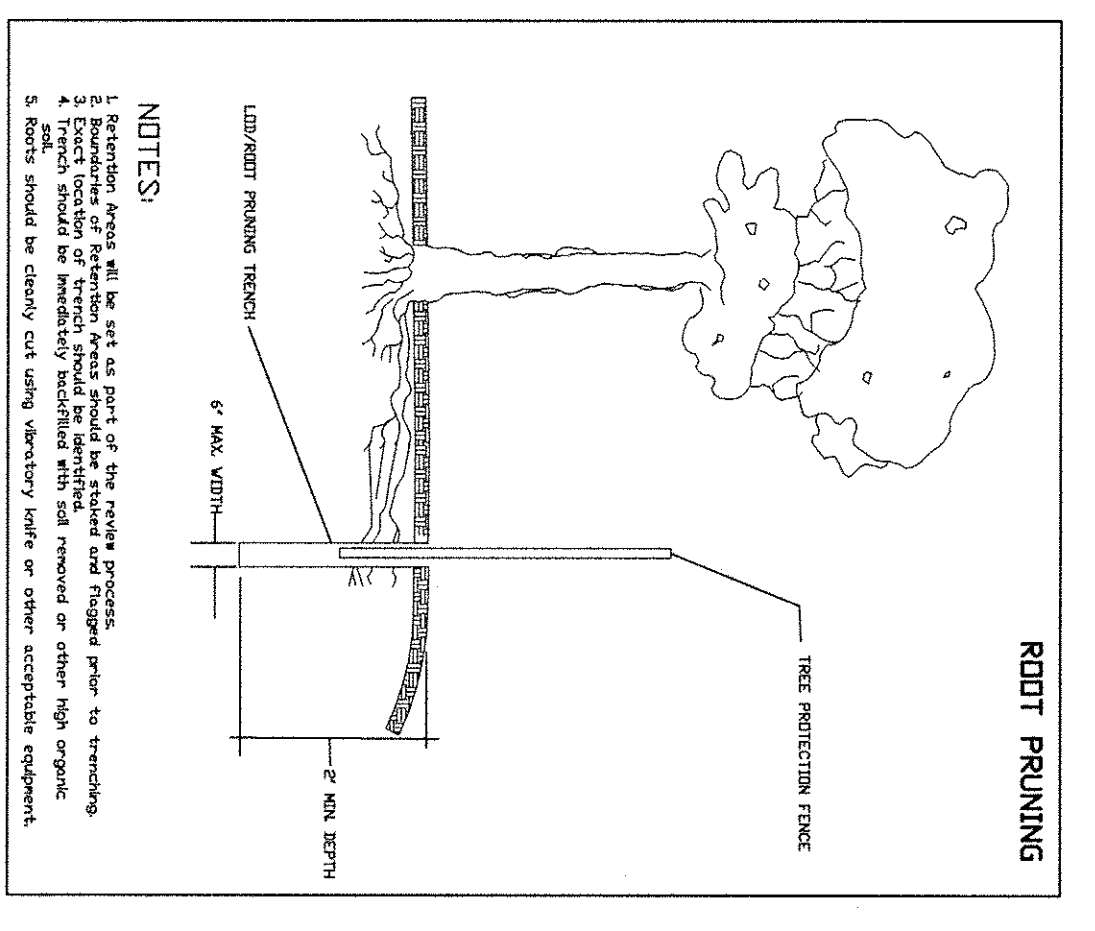
9220 Montgomery Road, Suite 120
 Germantown, Maryland 20888-1229
 Phone: 301.670.0840
 Fax: 301.948.0893
 www.mhga.com

Proj. Mgr. Designer
 MDP FOU
 Date 6-12-13
 Scale 1" = 30'
 Project No. 10-102-12
 Sheet 7 of 9



Sequence of Events for Properties Required To Comply With Forest Conservation Plans and/or Tree Save Plans

- Pre-Construction**
 - An on-site pre-construction meeting shall be required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. The owner shall contact the Montgomery County Planning Department inspection staff prior to commencing construction to verify the limits of disturbance and to discuss protection and tree care measures. The attendants at the meeting should include the protection and tree care measures. The attendants at independent, USA certified arborist or MD license tree expert that will implement the tree protection measures, Forest Conservation Inspector, and DPS sediment control inspector.
 - No clearing or grading shall begin before stress-reduction measures have been implemented. Appropriate measures may include but are not limited to:
 - Compiling a list of trees to be protected.
 - Contour Reduction or pruning
 - Watering
 - Fertilizing
 - Vertical mulching
 - Root aeration/mulching
 - Measures not specified on the forest conservation plan may be required as determined by the Forest Conservation Inspector in coordination with the arborist.
 - A State of Maryland licensed tree expert, or an International Society of Arboriculture certified arborist must perform all stress reduction measures.
 - Documentation of stress reduction measures must be either observed by the Forest Conservation Inspector or sent to the Forest Conservation Inspector at 8787 Georgia Avenue, Silver Spring, MD 20910. The Forest Conservation Inspector will determine the exact method to convey the stress reduction measures during the pre-construction meeting.
 - Temporary tree protection devices shall be installed per the Forest Conservation Plan/Tree Save Plan and prior to any construction activities. Tree protection fencing locations should be staked prior to the pre-construction meeting. The Forest Conservation Inspector, in coordination with the DPS sediment control inspector, may make field adjustments to increase the survivability of trees and forces shown as saved on the approved plan. Temporary tree protection devices may include:
 - Chain link fence (four feet high)
 - Super silt fence with wire strapping between the support poles (minimum 4 feet high) with high visibility flagging.
 - 14 gauge 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.
- Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project and must not be treated without prior approval from the Forest Conservation Inspector. No equipment, trucks, materials, or debris may be stored within the tree protection fence areas during the entire construction project. No vehicle or equipment access to the fenced area will be permitted. The protection shall not be removed without prior approval of Forest Conservation Inspector.
 - Forest retention area signs shall be installed as required by the Forest Conservation Inspector, or as shown approved plan.
 - Long-term protection devices will be installed per the Forest Conservation Plan/Tree Save Plan and finished details installation will occur during the appropriate time during the construction project. Refer to the plan drawing for long-term protection measures to be installed.
- During Construction**
 - Periodic inspections by Forest Conservation Inspector will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the Forest Conservation Inspector, must be made within the timeframe established by the Forest Conservation Inspector.
- Post-Construction**
 - After construction is completed, an inspection shall be requested. Corrective measures which may be required include:
 - Removal and replacement of dead and dying trees
 - Pruning of dead or declining limbs
 - Soil aeration
 - Fertilization
 - Watering
 - Wound repair
 - Clean up of retention areas
 - After inspection and completion of corrective measures have been undertaken, all protection devices that also operate for erosion and sediment control must be coordinated with both the Department of Permitting Services and the Forest Conservation Inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.



NOTE:
1. Attachment of signs to trees is prohibited.
2. Signs should be frequently maintained.
3. Signs should be replaced to be visible to all construction personnel from all directions.

* Root Prune at LOD unless otherwise noted

All field inspections must be requested by the applicant.
Field inspections must be conducted as follows:

Tree Save Plans and Forest Conservation Plans without Planting Requirements

- After the limits of disturbance have been staked and flagged, but before any clearing or grading begins.
- After necessary stress reduction measures have been completed and protection measures have been installed, but before any clearing and grading begins.
- After completion of all construction activities, but before removal of tree protection fencing, the contractor shall verify the survival of the trees.

Additional Requirements for Plans with Planting Requirements

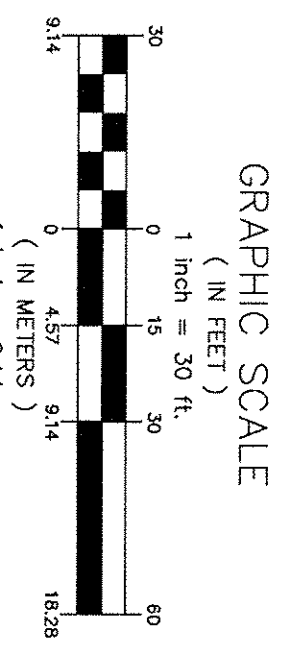
- Before the start of any required reforestation and afforestation planting.
- After the required reforestation and afforestation planting has been completed to verify that the planting is acceptable and prior to the start the maintenance period.
- At the end of the maintenance period to determine the level of compliance with the conservation plan.

DEVELOPER'S CERTIFICATE

The undersigned certifies that the information shown hereon is correct and that this plan has been prepared in accordance with the requirements of the existing state and county forest conservation legislation.
 DEVELOPER'S NAME: MATH, WILSON & TAYLOR, LLC
 CONTACT PERSON OR COMPANY: MATH, WILSON & TAYLOR, LLC
 ADDRESS: 2000 TRIPOLI ROAD, SUITE 200, ROCKVILLE, MD 20851
 PHONE AND FAX: 301-851-2631
 SIGNATURE: [Signature]

QUALIFIED PROFESSIONAL CERTIFICATION

I, HENRY C. JOHNSON, CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EXISTING STATE AND COUNTY FOREST CONSERVATION LEGISLATION.
 DATE: 6/12/13
 SIGNATURE: [Signature]
 FRANK C. JOHNSON
 RECOGNIZED AS QUALIFIED PROFESSIONAL CONSULTANT
 ADDRESS: 9220 WILMINGTON ROAD, SUITE 120, MONTGOMERY VILLAGES, MARYLAND 20886-1279
 PHONE AND FAX: 301-988-0890
 PROJECT NO.: 10-102-12



**FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
CRYSTAL ROCK
CHURCHILL TOWN SECTION GERMANTOWN
2ND ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND**

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners
 Landscape Architects • Surveyors
 9220 WILMINGTON ROAD, SUITE 120
 MONTGOMERY VILLAGES, MARYLAND 20886-1279
 PHONE 301.988.0890
 FAX 301.988.0893
 WWW.MHGPA.COM

Proj. Mgr. Designer
 MDP FCJ
 Date 6-12-13
 Scale 1" = 30'
 Project No. 10-102-12
 Sheet 8 of 9

Table with 6 columns: ID #, Common Name, Botanical Name, DBH, CRZ (ft./RZ (radius), and Conditions/Remarks. Rows 1-100.

Table with 6 columns: ID #, Common Name, Botanical Name, DBH, CRZ (ft./RZ (radius), and Conditions/Remarks. Rows 101-200.

Table with 6 columns: ID #, Common Name, Botanical Name, DBH, CRZ (ft./RZ (radius), and Conditions/Remarks. Rows 201-300.

Table with 6 columns: ID #, Common Name, Botanical Name, DBH, CRZ (ft./RZ (radius), and Conditions/Remarks. Rows 301-400.

DEVELOPER'S CERTIFICATE
This information is provided for the use of the Applicant and is not to be used for any other purpose without the express written consent of the Developer.

QUALIFIED PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS CORRECT AND THAT I AM A QUALIFIED PROFESSIONAL AS DESCRIBED IN THE RECOMMENDATIONS OF THE EXISTING STATE AND FEDERAL FOREST CONSERVATION LEGISLATION.

FINAL FOREST CONSERVATION PLAN
CRYSTAL ROCK PUBLIC ROADS INFRASTRUCTURE PLAN
CRYSTAL ROCK
CHURCHILL TOWN SECTOR GEMANTOWN
2ND ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
Engineers, Planners, Surveyors
8220 Wingham Road, Suite 120
Pomfret, MD 20886-1203

Project No: 2008-1203
Date: 6-12-13
Scale: NTS
Sheet: 9