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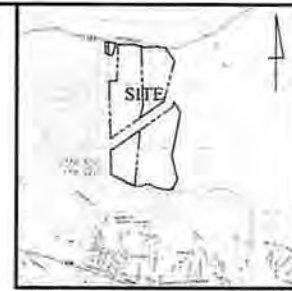
TOPOGRAPHIC MANUSCRIPT

DENISON NURSERY & BULL RUN FAMILY, LLC

2807 & 3009 Accoek Road, Waldorf, MD 20601

WETLANDS MITIGATION AND SEDIMENT CONTROL PLAN

OBSERVATION WELL TABULATION				
WELL NO.	NORTHING	EASTING	Top Elev.	Grid Elev.
NO.1	N 361,261.7445	E 1,325,295.2666	126.34	126.25
NO.2	N 361,276.1445	E 1,325,241.4405	129.89	126.60
NO.3	N 361,823.6984	E 1,324,349.6376	137.01	122.80
NO.4	N 362,164.1087	E 1,323,613.0599	123.08	122.97
NO.5	N 362,497.4369	E 1,323,812.3499	127.26	124.26

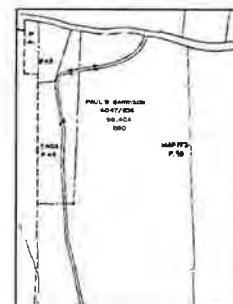


SEQUENCE OF CONSTRUCTION

- The contractor shall notify the Sediment Control Inspector and DPE of 301-440-2900 seven (7) days before commencing any land disturbance activity and acquire the "Erosion and Sediment Control Inspection Report".
- Acquire all/any County, City or State permits, as needed.
- Install the Erosion Control Sheet and B-2 Earth Dike to divert runoff around the proposed construction activity. Days 1-4
- Install the proposed Silt Fence along the existing fence, south of the proposed construction area. Day 5
- As Stabilized Construction Entrance is necessary, construction equipment is limited on the property and no construction equipment will travel on any publicly dedicated roads. Days 6-7
- Clear and Grub the proposed work area.
- Rough grade and construct the proposed Non-Tidal Wetland trees and install the proposed Rip-rap Outlet. During the installation of these environmental features, any eroded material will be stored in the proposed storage area. Prior to stockpiling and material, the contractor is to install silt fence along the down stream side of the stockpile area. Day 8-12
- Once the Non-Tidal Wetlands are successful and graded, remove the engineered channel and B-2 Earth Dike; any removed/abandoned material will be evenly spread within the limits of disturbance or maintained at the nursery for their operation. Days 13-15
- Install wetland plant material within the newly constructed Wetland Mitigation Area and stabilize any disturbed ground. Day 16
- Once all disturbed areas are stabilized and only upon the approval of the sediment control inspector, remove any remaining sediment control devices.



SOILS MAP
SCALE: 1" = 1000'



TAX MAP
SCALE: 1" = 800'

LOCATION MAP
SCALE: 1" = 600'

- SITE INFORMATION**
1. Subject Site Description:
 Owner: John P. Denison
 Tax Map: 0163, Grid 0074, Parcel 0090
 Deed: Liber 33578 Folio 547
 Address: 2807 Accoek Road, Waldorf, Maryland 20601
 Prince George's County, Maryland
 Tax Account Number: 05-0413203
 Owner: Bull Run Family, LLC
 Tax Map: 0163, Grid 0041, Parcel 0007
 Deed: Liber 30084 Folio 56
 Address: 3009 Accoek Road, Waldorf, Maryland 20601
 Prince George's County, Maryland
 Tax Account Number: 05-0211333
 2. Total Site Area Parcel 0007: 5,390.289 Sq. Ft. or 123.7440 acres
 Total Site Area Parcel 0090: 4,436,249 Sq. Ft. or 101,042.025 acres
 3. Existing Zoning: R-A
 4. Land Use: Nursery
 5. Property located on ADC Map: 5997, H-4, H-5
 6. WSC: Grid: 218000
 7. Property located on U.S.C.S. Placeway Quadrangle
 8. Electric Service: S&ED
 9. Telephone Service: Verizon
 10. Gas Service: Washington Gas
 11. Sewage Disposal: Individual System (S-6) Prince George's County
 12. Water Supply: Individual Water (W-6) Prince George's County
 13. Easements: The Entire Subject Property is a "VALPS" Easement
 14. Horizontal Datum: NAD 1983/1991
 Vertical Datum: NVD 1988
 15. The subject property is located in Zone "C". Areas of minimal flooding, Zone "C", Areas between limits of the 100 Year Flood and 500 Year Flood; in certain areas subject to 100 Year Flooding with average depths less than one (1) foot, Zone "A1", Areas of 100 Year Flooding; Areas Flood Insurance and Flood Hazard factors determined: Flood Insurance Program's Flood Insurance Rate Map as Community Flood #12205 0002; Effective Date: June 16, 1987.
 16. Existing Features shown on a Field Run Topographic Survey performed by Landesign, Inc. in July, 2015 and Aerial Photography performed by Aerial Geographic in July, 2015.
 17. Boundary shown herein is based on a Field Run Survey performed by Landesign, Inc. in July, 2015 and Deeds recorded among the Land Records of Prince George's County, Maryland in Liber 30084 at Folio 56 and Liber 33578 at Folio 547.
 18. The Results of a Field Investigation by Landesign, Inc.'s Qualified Professional has determined that Sensitive Trees, Forest, Non-Tidal Wetlands or Rare Threatened Species are not present on the property, except as shown.
 19. Area Disturbance:
 Total Site Area (Parcel 90) = 4,436,249 sqft or 101,042.025 ac
 Total Disturbed Area = 114,219 sqft or 2.6242 ac
 Total Proposed Impervious Cover = 6 sqft or 0.00 ac
 Wetland Conservation Area 1 = 49,003 sqft or 1.1267 ac
 Wetland Conservation Area 2 = 20,595 sqft or 0.4672 ac
 20. Tolerate within 100' (Design Survey):
 30.5% = UGA = Limits and Surrounding soils, 0-2% slopes, MDC 1/3'
 1.5% = PV = Protection - same context, frequently flooded, MDC 1'

MITIGATION NOTES

* Disturbance profiles on all projects must be in compliance with the requirements of COMST 2411.010 E regulated by County's R 3015, regardless of what an Erosion and Sediment Control Plan was approved.

Following initial soil disturbance or re-disturbance permanent or temporary stabilization must be completed when:

- a) Three (3) calendar days after the surface of all perimeter dikes within, ditches perimeter slopes and all slopes steeper than 3:1 horizontal to 1:1 vertical (3:1:1).
- b) Seven (7) calendar days after all other disturbed or graded areas on the project site are under active planting.

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT

APPROVAL

SEDIMENT CONTROL, GRADING SOILS & DRAINAGE

SOIL
 POND
 P#

EXPIRATION DATE

DISTRICT SIGNATURE APPROVAL DATE

ENGINEER'S CERTIFICATION

I hereby certify that the plan shown herein conforms to the requirements of Section 24, Chapter 2 of the Prince George's County, Building Code except for earth modifications and/or areas, if any, as noted below.

I also certify that I have read the plan and that changes made to the site have been approved in writing, and from this site and other pertinent information has been taken into consideration and that the plan as shown herein is a true and correct copy of the plan as approved by me, and that I am a duly Licensed Professional Engineer in the State of Maryland, License No. 22411. George J. J. J. J.

7-21-17
 Date

OWNER'S / DEVELOPER'S CERTIFICATION

I certify that I have reviewed this erosion and sediment control plan and that all clearing, grading, construction and/or development will be done pursuant to the plan and that any responsible personnel involved in the construction project will have a certificate of attendance at a Department of the Environment Training Program for the control of sediment and erosion before beginning the project.

Signature: _____ Date: _____
 Name: Elbert Monroe Title: General Manager
 Phone No.: 301-440-0398
 Complete Address: 8911 Oxon Hill Road
 Fort Washington, Maryland 20744

CONSULTANT'S CERTIFICATION

I certify that this plan of erosion and sediment control represents a practicable and workable plan based on my personal knowledge of the site, and that this plan was designed and prepared in accordance with the requirements of the Prince George's Soil Conservation District and Standards and Specifications for Soil Erosion and Sediment Control. I have reviewed this Erosion and Sediment Control Plan with the owner/developer.

Signature: _____ Date: 7-21-17
 Name: JOTREY A. ELDER MD License No. 42441

MAINTENANCE NOTE:
 Contractor shall inspect all sediment control measures and devices after every storm event. Maintenance shall include, but not be limited to the removal of all accumulated sediment.

CONTACT "MISS UTILITY"
 48 HOURS PRIOR TO TRENCHING
 1-800-257-7777

The location of all utilities shown herein is from field investigation and available records and cannot be guaranteed. Contractor should dig test pits by hand at all utility crossings to verify exact location.

It is the applicant's responsibility to obtain any state permits if required, for any construction activities covered by this plan which implicate a State regulated activity. Any changes to plans for this development whether required by the State or initiated by the applicant to meet State requirements, must be approved by PGSD.

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SEDIMENT CONTROL NARRATIVE

The proposed disturbed area, 193,819 sqft or 4.4362 ac, is for the construction of Non-Tidal Wetlands. These activities are limited for mitigation purposes at Bull Run and Charles County Elementary Schools. This development will not reduce existing wetlands, nor add any impervious cover. It is only for the construction and addition of these environmental features, and erosion control features. The proposed Sediment Control Plan (Temporary Erosion Control Sheet, B-2 Earth Dike and all fences) will protect developments properly during the construction of these environmental features. Additionally, during land work, the construction of these Non-Tidal Wetlands, ground trees will not be allowed; all runoff from the subject site will maintain its flow to Metropolitan Creek. Because there are no impervious cover proposed and the development is to enhance the existing strategy, no SPM is required.

DATE	REVISIONS

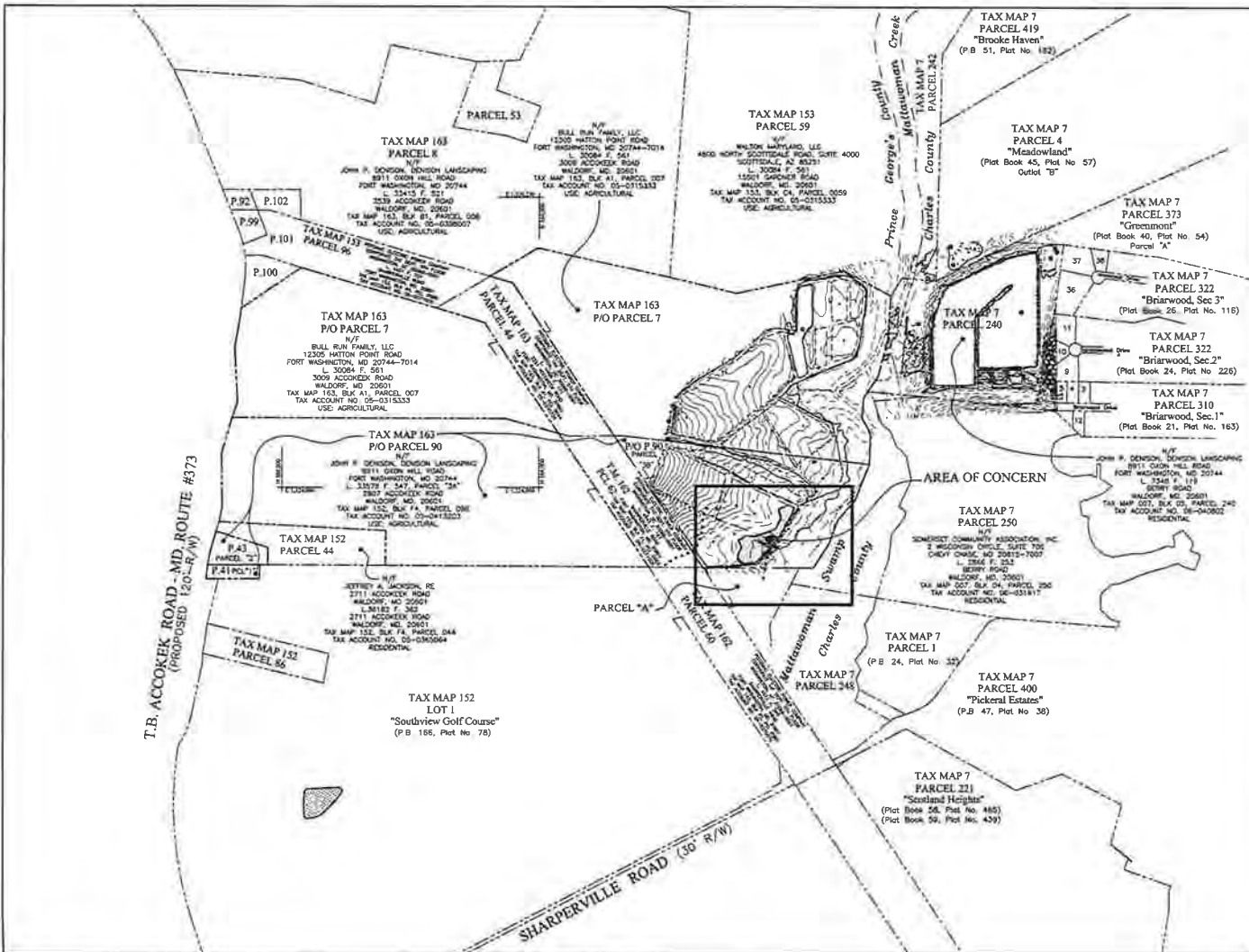
landesign
 ENGINEERS • SURVEYORS • PLANNERS
 2905 MITCHELLVILLE ROAD SUITE 101 111
 BOWIE, MARYLAND 20716
 PH: (301) 249-8802 Fax: (301) 249-8804 e-mail: landesigninc.com@comcast.net

OWNER/DEVELOPER
 DENISON NURSERY
 8911 OXON HILL ROAD
 FORT WASHINGTON, MD 20744
 CONTACT: ELBERT MONROE
 PHONE: 301-440-0398

DENISON NURSERY & BULL RUN FAMILY, LLC
 PARCEL 90 & PART OF PARCEL 7 ADMIN SPLIT
 2807 & 3009 ACCOKEEK ROAD
 TAX MAP 163 & 152, GRID A1&F4, PARCELS 007 & 090
 WALDORF, MARYLAND 20601
 LIBER 33578 FOLIO 547, LIBER 30084 FOLIO 561
 SUB-TAX DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND

DATE: July 21, 2017 **SCALE:** AS SHOWN
DESIGN BY: J.J.F. **DRAWN BY:** J.M.B.
CHECKED BY: J.J.F. **SHEET NO:** 1 OF 7
COMPUTER: E **FIELD BOOK:** 263 **JOB NO:** 15-051

COVER SHEET



NEIGHBORHOOD MAP SCALE: 1" = 2000'

- SITE INFORMATION**
- Subject Site Description: Owner: John P. Denison, Tax Map 0152, Grid 0084, Parcel 0090, Deed: Liber 33578 Folio 547, Address: 2807 ACCOKEEK ROAD, WOODFORD, MARYLAND 20601, Prince George's County, Maryland, Tax Account Number: 05-0413203
 - Owner: Bull Run Family, LLC, Tax Map 0153, Grid 0084, Parcel 0007, Deed: Liber 30084 Folio 561, Address: 3009 ACCOKEEK ROAD, WOODFORD, MARYLAND 20601, Prince George's County, Maryland, Tax Account Number: 05-0413203
 - Total Site Area Parcel 0007: 3,332,289 Sq. Ft. or 123,744 acres
 - Total Site Area Parcel 0090: 4,438,249 Sq. Ft. or 101,8423 acres
 - Existing Zoning: R-1
 - Local Use: Heavy
 - Property located on ACC Map: 2897, In-1, In-5
 - MISC Code: 2218E33
 - Property located on U.S.D.C. Placemway Quadrangle
 - Telephone Service: Verizon
 - Cable Service: Washington Gas
 - Sanitary Disposal: Individual System (S-1): Prince George's County
 - Water: Separate Individual Water (S-6): Prince George's County
 - Estimate: The Entire Subject Property as a "SPLIT" Estimate
 - Historical Datum: s.d. 1983/1991
 - Vertical Datum: NAVD 1988
 - The subject property is located in State "C" Areas of limited flooding, Zone "F", Areas between limits of the 100 Year Flood and 500 Year Flood, or certain areas subject to 100 Year Floods, with average annual peak flow rate (1) foot, Zone "A5", Areas of 100 Year Flood, some flood areas are and flood hazard factors determined. Flood Insurance Program's Flood Insurance Rate Map - Community Plan #24508-0085C, Effective Date: June 18, 1987
 - Existing Features: The lot is a Field with Topographic Survey performed by Landesign, Inc. in July, 2015 and Aerial Photogrammetry performed by Jack Semperoff in July, 2015.
 - Boundary: Aerial Vector is based on a True Air Survey performed by Landesign, Inc. in July, 2015 and based on the State Plane of Prince George's County, Maryland in Liber 30084 of Folio 561 and Liber 33578 of Folio 547
 - The Results of a Field Investigation by Landesign, Inc.'s Qualified Professional has determined that Specimen Trees, Fences, Non-Fuel Hazards or Size Threshold Species are not present on the property, except as shown.
 - Area Statement:

Total Site Area (Parcel 001) =	4,438,249 sqft or 101,8423 ac
Total Disturbed Area =	156,519 sqft or 3,5932 ac
Total Proposed Impervious Cover =	0 sqft or 0.00 ac
Nettong Conservation Area =	46,603 sqft or 1,1887 ac
Nettong Conservation Area =	20,085 sqft or 0.4612 ac
 - Soil Types: within 100' (Meadow Survey):

SECE = U&A =	Lamin wet Ooliticous soils 0-2% slopes, HSG "C/D"
12X = Pw =	Protoboc - Issue complex, frequently flooded HSG "D"

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CONTACT "MISS UTILITY"
48 HOURS PRIOR TO TREMCHING
1-800-257-7777



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND.
John P. Denison
07-21-2017
JENNIFER A. FELKER, P.E.
MD LICENSE NUMBER: 21186
EXPIRATION DATE: 06-30-2017
LANDSIGN, INC.
2905 MITCHELLVILLE ROAD, SUITE 111
BOWNE, MARYLAND 20716
(301) 249-8802, Fax: (301) 249-8804, www.landsign-inc.com

It is the applicants responsibility to obtain any state permits if required for any construction activities covered by this plan which implicate a State regulated material. Any changes to plans, for the development whether required by the State or initiated by the applicant to meet State requirements, must be approved by ARES22.

KEY MAP
SCALE: 1" = 400'

DATE	REVISIONS



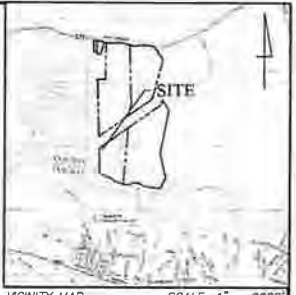
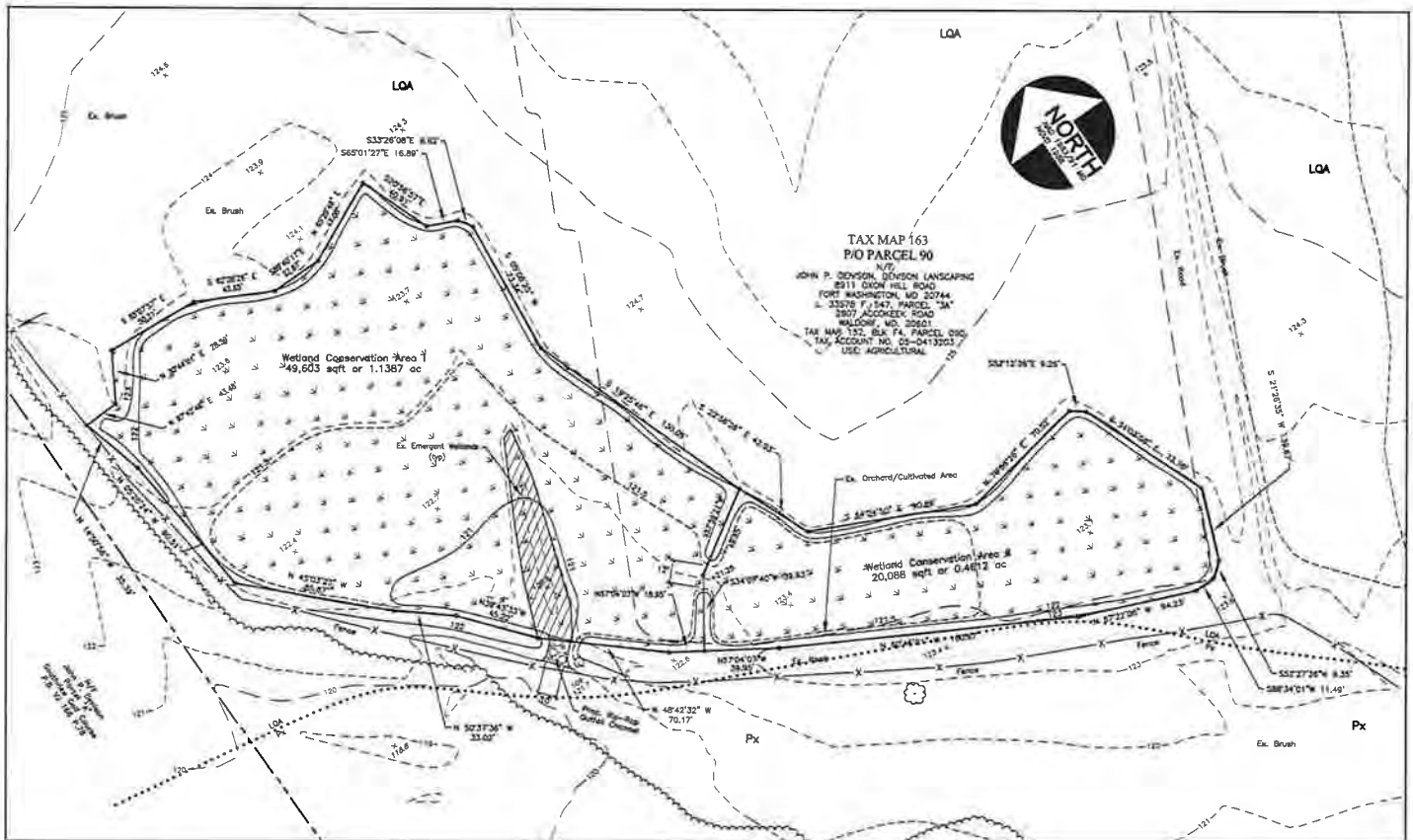
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BOWNE, MARYLAND 20716
PH: (301) 249-8802 Fax: (301) 249-8804 www.landsign-inc.com

OWNER/DEVELOPER
DENISON NURSERY
8011 GOSH HILL ROAD
FORT WASHINGTON, MD 20744
CONTACT: ELBERT MONROE
PHONE: 301-440-0398

OVERALL PROPERTY - KEY MAP

DENISON NURSERY & BULL RUN FAMILY, L.L.C.
PARCEL 90 & PART OF PARCEL 7 ADMIN SPLIT
2807 & 3009 ACCOKEEK ROAD
TAX MAP 163 & 152, GRID A1&F4, PARCELS 007 & 090
WALDORF, MARYLAND 20601
LIBER 33578 FOLIO 547, LIBER 30084 FOLIO 561
3rd TAX DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND

DATE: July 21, 2017 SCALE: 1" = 400'
DESIGN BY: J.J.F. DRAWN BY: J.M.B.
CHECKED BY: J.J.F. SHEET NO: 2 OF 7
COMPUTER: E FIELD BOOK: 263 JOB NO.: 15-051



SITE INFORMATION

- Subject Site Description:
Owner: John P. Denison
Tax Map: 0152, Grid 0094, Parcel 0090
Sheet: Liber 33378 Folio 547
Address: 2807 Accokeek Road, Waldorf, Maryland 20601
Prince George's County, Maryland
Tax Account Number: 00-0413203
- Owner: Bull Run Family, LLC
Tax Map: 0152, Grid 0094, Parcel 0007
Sheet: Liber 30084 Folio 261
Address: 2000 Accokeek Road, Waldorf, Maryland 20601
Prince George's County, Maryland
Site Account Number: 00-010333
- Total Site Area Parcel 0007: 2,162,289 Sq.Ft. or 123,740 acres
Total Site Area Parcel 0090: 4,436,249 Sq.Ft. or 101,842 acres
- Lottery: Same as Parcel
- Land Use: Nursery
- WDC Code: S215E03
- Property located on U.S.G.S. Photocopy Quadrangle
- Electric Service: SMDZ
- Telephone Service: Verizon
- Gas Service: Washington Gas
- Sewage Disposal: Individual System (In-C) Prince George's County
- Water Supply: Individual Water (W-3) Prince George's County
- Assessment: The Entire Subject Property is a "MALT" Assessment
- Historical Datum: NAD 1983/1981
- The subject property is located in Zone "C", Areas of minimal flooding, Zone "B", Areas between limits of the 100 Year Flood and 500 Year Flood, or certain areas subject to 100 Year Flooding with average depths less than one (1) foot, Zone "A", Areas of 100 Year Flood; base flood elevations and flood hazard factors determined: Flood Insurance Program's Flood Insurance Rate Map as Community Panel #240308 0090C, Effective Date June 18, 1997.
- Existing Features based on a Field Run Topographic Survey performed by Landesign, Inc. in July, 2015 and Aerial Photography performed by Aerial Geomatics in July, 2015.
- Boundary shown herein is based on a Field Run Survey performed by Landesign, Inc. in July, 2015 and Demos performed using the Land Register of Prince George's County, Maryland & Liber 30084 at Folio 261 and Liber 33378 at Folio 547.
- The results of a field investigation by Landesign, Inc.'s Qualified Professional has determined that Spotted Terns, Trees, Forest, Non-Tidal Wetlands or Rare Threatened Species are not present on the property, except as shown.
- Area Statement:
Total Site Area (Parcel 00) = 4,436,249 sqft or 101,842 ac
Total Disturbed Area = 126,018 sqft or 2,882 ac
Total Proposed Intensive Cover = 0 sqft or 0.00 ac
Wetland Conservation Area I = 49,603 sqft or 1.1367 ac
Wetland Conservation Area II = 20,088 sqft or 0.4612 ac
- Soil Types within LOE (NRCSG Survey):
802X = LOA = Loess and Quaternary silt, 0-2X silt, MDC T/V
13X = P-V = Podsolon - Issue complex, frequently flooded, MDC U

ENGINEER'S CERTIFICATION

I hereby certify that the plan shown herein conforms to the requirements of Subtitle 32, Division 2 of the Prince George's County, Building Code except for specific modifications and/or waivers, if any, as stated below.
I also certify that I have inspected this site and that drainage onto this site from other upgrade properties, and from this site onto other downgrade properties has been addressed in substantial accordance with applicable codes.
I also certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 42441, exp. date: 5-05-2018

7-21-2017
Date

Jeffrey J. Falter
Jeffrey J. Falter
Md. Prof. Engineer #42441

The location of all utilities shown herein is from field investigation and available records and cannot be guaranteed. Contractor should dig test pits to find all all utility crossings to verify exact locations.

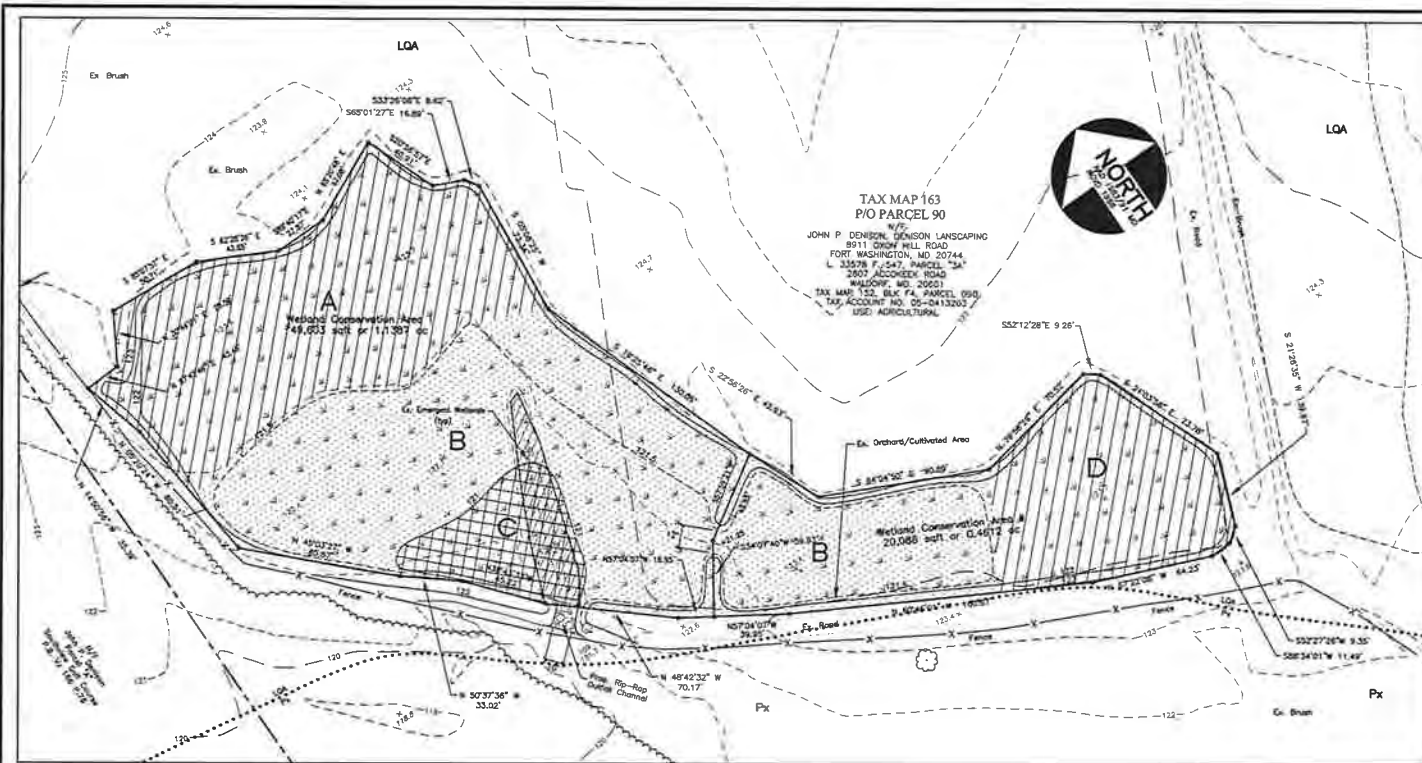
CONTACT "MISS UTILITY"
48 HOURS FROM TRENCHING
1-800-737-7777

It is the applicants responsibility to obtain any state permits if required, for any construction activities covered by this plan which impact a State regulated wetland. Any changes to plans, for this development whether required by the State or initiated by the applicant to meet State requirements, must be approved by PGSD.

These drawings are the property of Landesign, Inc. Unauthorised reproduction for any purpose is an infringement upon copyright laws. Violators will be subject to prosecution to the fullest extent of the law.



DATE	REVISIONS		<p>landesign ENGINEERS • SURVEYORS • PLANNERS 2905 MITCHELLVILLE ROAD SUITE NO. 111 BOWIE, MARYLAND 20716 PH: (301) 249-8802 Fax: (301) 249-8804 www.landesigninc.com</p>	<p>OWNER/DEVELOPER DENISON NURSERY 2911 OXON HILL ROAD FORT WASHINGTON, MD 20744 CONTACT: ELBERT MONROE PHONE: 301-440-0398</p>	<p>WETLAND MITIGATION PLAN</p>	<p>DENISON NURSERY & BULL RUN FAMILY, LLC PARCEL 90 & PART OF PARCEL 7 ADMIN SPLT 2807 & 3009 ACCOKEEK ROAD TAX MAP 163 & 152, GRID A1&F4, PARCELS 007 & 090 WALDORF, MARYLAND 20601 LIBER 33378 FOLIO 547, LIBER 30084 FOLIO 261 5th TAX DISTRICT PRINCE GEORGE'S COUNTY, MARYLAND</p>	DATE: July 21, 2017	SCALE: 1" = 30'
							DESIGN BY: J.J.F.	DRAWN BY: J.M.B.
				CHECKED BY: J.J.F.	SHEET NO: 3 OF 7		COMPUTER: E	JOB NO: 15-051
							FIELD BOOK: 263	



PLANTING SPECIFICATIONS

1. Trees and shrubs shall not be planted until the site has been stabilized for one complete growing season. This will allow for monitoring of soil-moisture conditions and revisions to the planting plan, if necessary.
2. Trees and shrubs shall be planted between September 15 and March 30. No planting shall occur when the soil is frozen.
3. Fertilize each tree and shrub with slow release tablets (Agriform 20-10-5 or equivalent) in accordance with manufacturers recommendations.
4. The landscape contractor is responsible for replacing non-surviving trees and shrubs during the care and replacement period (12 months, unless otherwise specified in contract documents). The specifications for the replaced plants shall be those provided in the Plant Material List.

SEEDING SPECIFICATIONS

1. Permanent seeding shall be completed during March 1 through May 1, or September 1 through November 1. Temporary seeding specified in the Erosion and Sediment Control Plan may be applied with the permanent mix within these specified dates.
2. Seed shall have a germination and purity rate of 75 percent. Seed tags shall be provided to the Owner's representative prior to planting.
3. Prior to commencing work, the landscape contractor shall inspect the conditions under which the seeding work is to be performed. If conditions are not suitable for timely completion of the work or proper germination, the contractor shall contact the Owner's representative and postpone work until unsatisfactory conditions are corrected.
4. Seed shall be broadcast and raked to a depth of 1/8th of an inch. No fertilizer shall be applied with the seed.

SOIL SPECIFICATIONS

1. The upper six inches of topsoil shall be stripped, stockpiled, and replaced in all disturbed areas of the site. No topsoil shall be imported.
2. The upper surface of soil in the wetland area shall be left rough graded. Final elevations shall be within plus or minus six inches of the design grade to provide pit and mound microtopography (see detail).

PLANT MATERIALS

Tree Species	Common Name	Condition	Size (ft)	Total	PLANTING ZONE			
					A	B	C	D
Acer saccharinum	Silver Maple	2-3 GAL	4-5	105	30	60		15
Betula nigra	River Birch	2-3 GAL	4-5	60	30	20		10
Platanus occidentalis	Sycamore	2-3 GAL	4-5	110	30	60		20
Quercus bicolor	Swamp White Oak	2-3 GAL	4-5	110	30	60		20
Quercus palustris	Pin Oak	2-3 GAL	4-5	100	30	60		10
Salix nigra	Black Willow	1-2 GAL	2-3	65	10	20	25	10
Shrub Species								
Alnus serrulata	Brookside Alder	1-2 GAL	2-3	35		25		10
Cephalanthus occid.	Buttonbush	1-2 GAL	2-3	25			25	
Cornus amomom	Silky Dogwood	1-2 GAL	2-3	50	20	25		5
Viburnum dentatum	Southern Arrow-wood	1-2 GAL	2-3	45	20	20		5
TOTAL				705	200	350	50	105
Acres					0.46	0.80	0.10	0.24

SEED MIX

Percent	Species	Description
30%	Agrostis scabra	Ticklegrass (Rough Bentgrass)
15%	Bidens aristosa	Showy Tickseed Sunflower
10%	Panicum clandestinum	Deertongue
20%	Elymus virginicus	Virginia Wildrye
15%	Panicum virgatum	Switchgrass
10%	Tripsacum dactyloides	Eastern Gamagrass

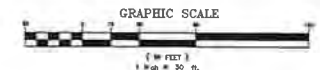
Apply 20 lbs/acre to all disturbed areas (32 lbs total).

DETAIL FOR MICRO-TOPOGRAPHY

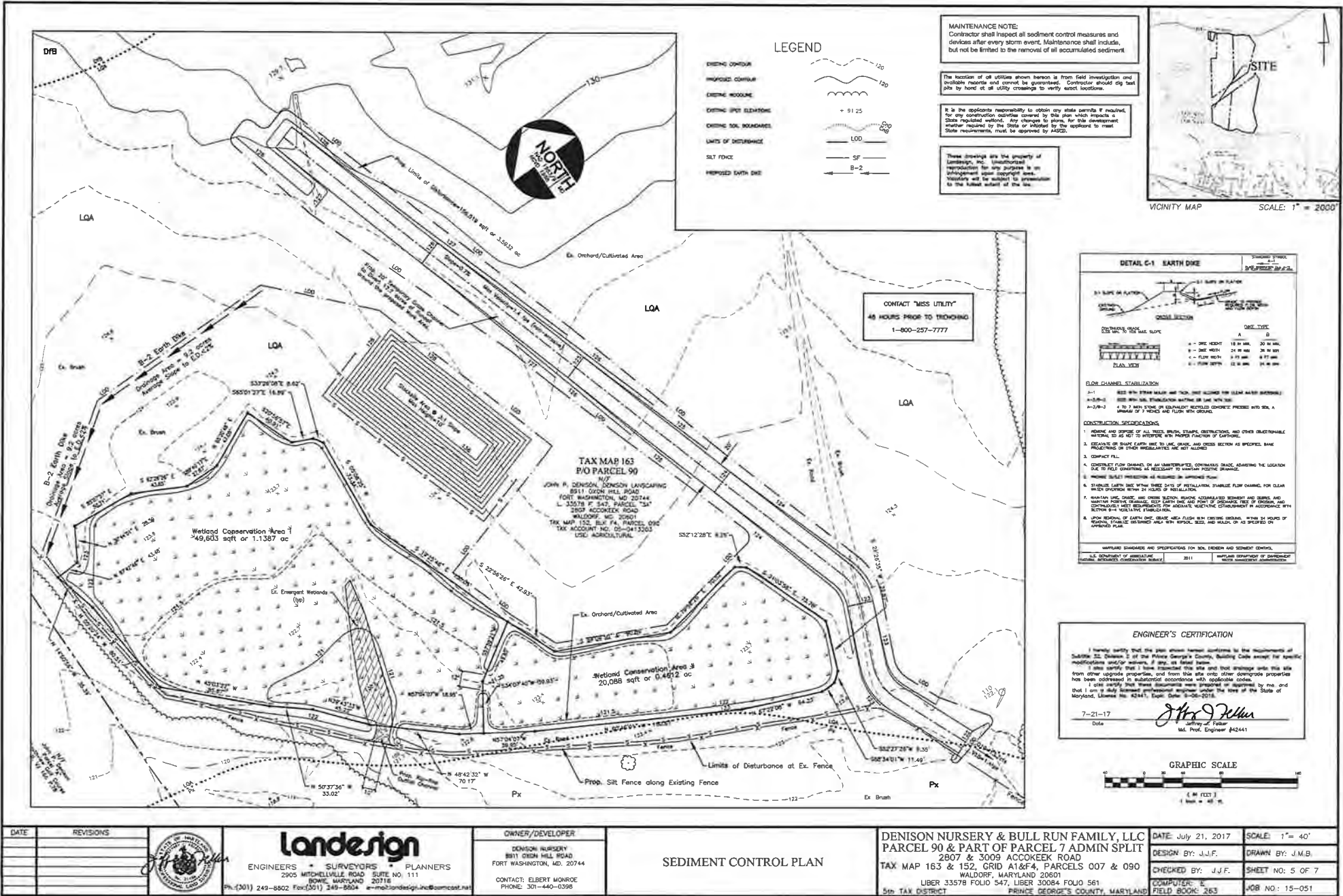


FLOW ON CONTOUR WITH MOLDBOARD PLOW

GRAPHIC SCALE



DATE	REVISIONS	<p>landesign ENGINEERS • SURVEYORS • PLANNERS 2905 MICHELLEVILLE ROAD SUITE NO. 111 BOWIE, MARYLAND 20716 PH: (301) 249-8802 Fax: (301) 249-8804 www.landesign, inc@comcast.net</p>	OWNER/DEVELOPER	<p>WETLANDS PLANTING PLAN</p>	<p>DENISON NURSERY & BULL RUN FAMILY, LLC PARCEL 90 & PART OF PARCEL 7 ADMIN SPLT 2807 & 3005 ACCOKEEK ROAD TAX MAP 163 & 152, GRID A1&F4, PARCELS 007 & 090 WALDORF, MARYLAND 20601 LIBER 33578 FOLIO 547, LIBER 30084 FOLIO 561 5th TAX DISTRICT PRINCE GEORGES'S COUNTY, MARYLAND</p>	DATE: July 21, 2017	SCALE: 1" = 30'
			DENISON NURSERY 8911 CROWN HILL ROAD FORT WASHINGTON, MD. 20744			DESIGN BY: G.J.	DRAWN BY: J.M.B.
			CONTACT: ELBERT MONROE PHONE: 301-440-0398			CHECKED BY: J.J.F.	SHEET NO: 4 OF 7
						COMPUTER: E	JOB NO.: 15-051
						FIELD BOOK: 263	



LEGEND

- EXISTING CONTOUR
- IMPROVED CONTOUR
- EXISTING MOULDING
- EXISTING SPOT ELEVATIONS
- EXISTING SOIL BOUNDARIES
- LIMITS OF DISTURBANCE
- SILT FENCE
- PROPOSED DITCH Dike

MAINTENANCE NOTE:
Contractor shall inspect all sediment control measures and devices after every storm event. Maintenance shall include, but not be limited to the removal of all accumulated sediment.

The location of all utilities shown thereon is from field investigation and possible records and cannot be guaranteed. Contractor should dig test pits by hand at all utility crossings to verify exact locations.

It is the applicant's responsibility to obtain any state permits if required, for any construction activities covered by this plan which require State regulated wetland. Any changes to plans, for this development whether required by the State or initiated by the applicant to meet State requirements, must be approved by AASDC.

These drawings are the property of Landesign, Inc. (unaffiliated) and are prepared for the purpose of an engineering plan. No liability is assumed for any use of these drawings for any purpose other than that intended by the engineer. Violations will be subject to prosecution to the fullest extent of the law.

SCALE: 1" = 2000'

CONTACT "MISS UTILITY"
48 HOURS PRIOR TO TRENCHING
1-800-257-7777

DETAIL C-1 EARTH DIKE

DIKE TYPE

- A - ONE HEIGHT 18 IN. 30 IN. MAX.
- B - ONE HEIGHT 24 IN. 36 IN. MAX.
- C - FIVE HEIGHT 18 IN. 30 IN. MAX.
- D - FIVE HEIGHT 24 IN. 36 IN. MAX.

FLOW CHANNEL STABILIZATION

1. 18" x 18" x 18" STAINLESS STEEL TIE RODS (SEE PLAN) FOR 18" x 18" x 18" STAINLESS STEEL TIE RODS TO INTERFERE WITH FLOW OF CARPENTER.
2. 4" x 4" x 4" STAINLESS STEEL TIE RODS (SEE PLAN) FOR 4" x 4" x 4" STAINLESS STEEL TIE RODS TO INTERFERE WITH FLOW OF CARPENTER.
3. 4" x 4" x 4" STAINLESS STEEL TIE RODS (SEE PLAN) FOR 4" x 4" x 4" STAINLESS STEEL TIE RODS TO INTERFERE WITH FLOW OF CARPENTER.
4. 4" x 4" x 4" STAINLESS STEEL TIE RODS (SEE PLAN) FOR 4" x 4" x 4" STAINLESS STEEL TIE RODS TO INTERFERE WITH FLOW OF CARPENTER.
5. 4" x 4" x 4" STAINLESS STEEL TIE RODS (SEE PLAN) FOR 4" x 4" x 4" STAINLESS STEEL TIE RODS TO INTERFERE WITH FLOW OF CARPENTER.

CONSTRUCTION SPECIFICATIONS

1. REMOVE AND DISPOSE OF ALL ROCKS, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBSTRUCTIONS WITHIN DIKE TO INTERFERE WITH FLOW OF CARPENTER.
2. REMOVE OR SHARPEN EDGES OF ALL EXISTING DIKES TO PREVENT BANK PROJECTIONS OR OTHER OBSTRUCTIONS AND NOT ALLOWED.
3. CONTACT TIE RODS.
4. CONSTRUCT FLOW CHANNEL OF 18" x 18" x 18" STAINLESS STEEL TIE RODS FOR CLEAR FLOW CHANNEL WITHIN DIKE TO INTERFERE WITH FLOW OF CARPENTER.
5. STABILIZE EARTH DIKE WITH THREE DAYS OF PRELIMINARY STABILIZED FLOW CHANNEL FOR CLEAR FLOW CHANNEL WITHIN DIKE TO INTERFERE WITH FLOW OF CARPENTER.
6. MAINTAIN FLOW CHANNEL AND OTHER STRUCTURES THROUGHOUT CONSTRUCTION AND DURING AND AFTER CONSTRUCTION TO PREVENT BANK PROJECTIONS OR OTHER OBSTRUCTIONS AND NOT ALLOWED.
7. MAINTAIN FLOW CHANNEL AND OTHER STRUCTURES THROUGHOUT CONSTRUCTION AND DURING AND AFTER CONSTRUCTION TO PREVENT BANK PROJECTIONS OR OTHER OBSTRUCTIONS AND NOT ALLOWED.
8. UPON COMPLETION OF EARTH DIKE, GRADE AREA WITHIN FLOW CHANNEL, WITHIN 48 HOURS OF APPROVED PLAN.

WETLAND DIMENSIONS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
DATE: 07/21/2017
SCALE: 1" = 40'

ENGINEER'S CERTIFICATION

I hereby certify that the plan shown hereon conforms to the requirements of Subchapter 22, Section 2 of the Prince George's County, Building Code except for specific modifications and/or additions, if any, as listed herein.

I also certify that I have inspected this site and that drawings on this site from other projects, prepared, and from this site into other drawings properties has been addressed in substantial accordance with applicable codes.

I further certify that the plan shown hereon was prepared by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 42341. Exp: 07/21/2021.

7-21-17
Date

 Jeffrey J. Falar
 Md. Prof. Engineer #42341



DATE	REVISIONS

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DENISON NURSERY
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CONTACT: ELBERT MONROE
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SEDIMENT CONTROL PLAN

DENISON NURSERY & BULL RUN FAMILY, LLC
PARCEL 90 & PART OF PARCEL 7 ADMIN SPLT
2807 & 3009 ACCOKEEK ROAD
TAX MAP 163 & 152, GRID A1&F4, PARCELS 007 & 090
WALDORF, MARYLAND 20601
LIBER 33578 FOLIO 547, LIBER 30084 FOLIO 561
5th TAX DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

DATE: July 21, 2017	SCALE: 1" = 40'
DESIGN BY: J.J.F.	DRAWN BY: J.M.B.
CHECKED BY: J.J.F.	SHEET NO: 5 OF 7
COMPUTER: E	JOB NO: 15-051
FIELD BOOK: 263	