

190010655

SITE PLAN OF INO JIMA MEMORIAL PARK OF WILLIAMSBURG VIRGINIA

SP-19-0004

PLANNING DIVISION

JUN 18 2019

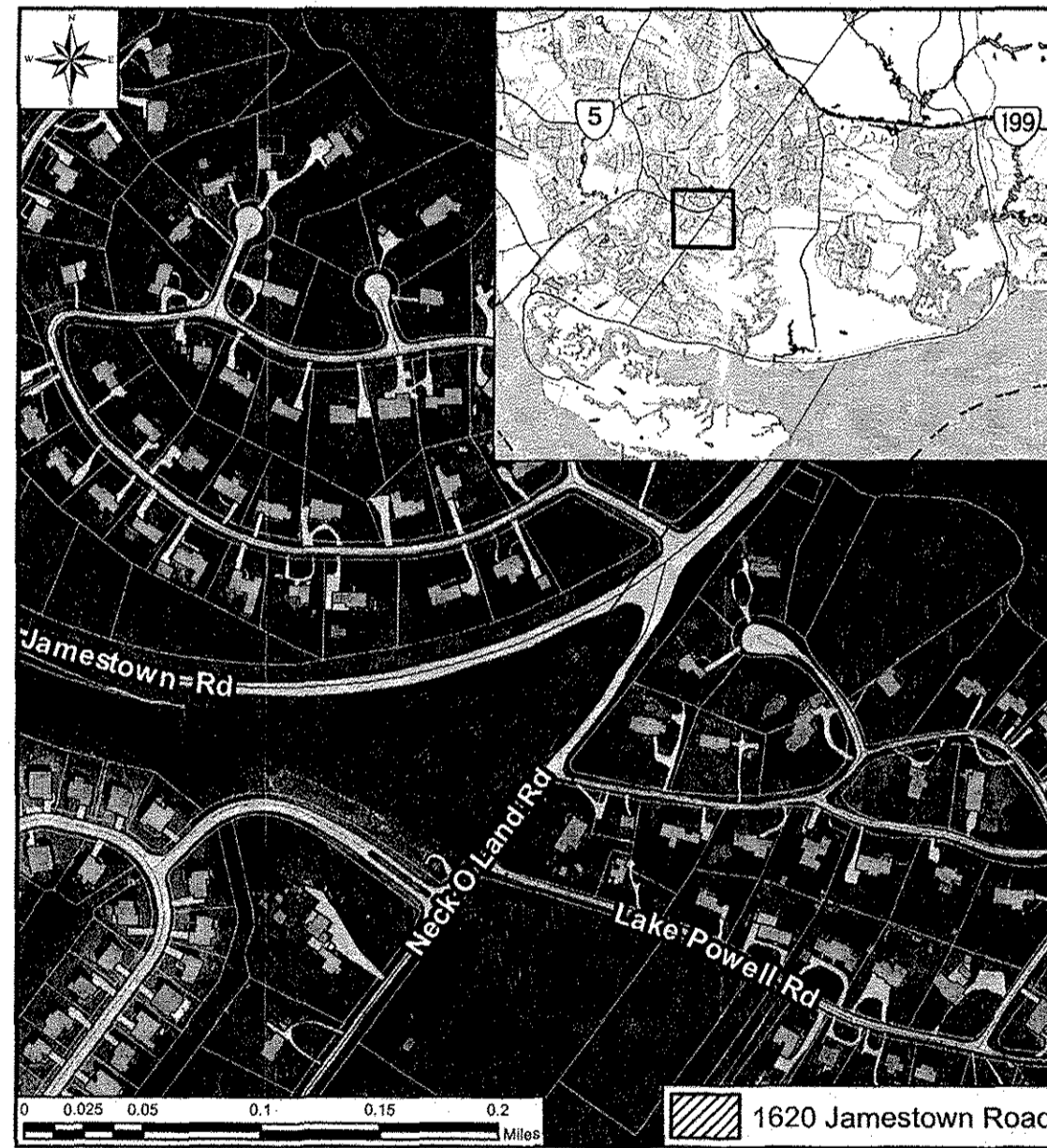
RECEIVED

JAMES CITY COUNTY BERKELEY MAGISTERIAL DISTRICT VIRGINIA

COUNTY OF JAMES CITY FINAL SITE PLAN	
APPROVALS	DATE
Fire Dept. <i>R.D./tz</i>	<i>3/16/19</i>
Health Dept.	
VDOT <i>GB/tz</i>	<i>2/1/19</i>
Planning <i>EL</i>	<i>7/15/19</i>
SRP <i>Dw/tz</i>	<i>7/15/19</i>
Zoning <i>gp</i>	<i>7/15/19</i>
JGSA <i>Dw/tz</i>	<i>2/1/19</i>
BSP <i>MS/tz</i>	<i>2/1/19</i>
DEA	
Landscape <i>Sw/tz</i>	<i>6/26/19</i>
Other	

GENERAL NOTES

- THIS SITE IS LOCATED WITHIN THE CHESAPEAKE BAY WATERSHED. THE SITE IS NOT LOCATED IN THE RESOURCE PROTECTION AREA (RPA).
- THIS SITE IS LOCATED IN HUC 1135 AND IS PART OF THE MILL CREEK WATERSHED.
- THIS SITE IS NOT LOCATED IN THE SPECIAL FLOOD HAZARD AREA BASED ON FLOOD INSURANCE RATE MAP 51075C0182D AND 51075C0201D, EFFECTIVE 12/16/15.
- TOPOGRAPHIC SURVEY SHOWN HEREIN IS BASED ON A FIELD SURVEY PERFORMED BY LANDTECH RESOURCES, INC. DATED JUNE 7, 2014.
- ONCE THE PLANS ARE APPROVED BY JAMES CITY COUNTY THE OWNER SHALL PROVIDE JAMES CITY COUNTY WITH THE NAME OF THE "RESPONSIBLE LAND DISTURBER" FOR THE CONSTRUCTION PHASE OF THE PROJECT.
- ALL ERRORS OR DISCREPANCIES WITH THE PLANS OR EXISTING SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER OR SURVEYOR OF RECORD BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF THE APPROVED PLANS AT THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANYBODY HAVING JURISDICTION. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY PROTECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THE WORK INDICATED.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL SITE IMPROVEMENTS, INCLUDING LANDSCAPING, AS SHOWN ON THE APPROVED PLAN.
- ALL OBJECTIONABLE AND DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN A STATE APPROVED FACILITY MEETING ALL REQUIREMENTS OF ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE SITE.
- BEFORE DIGGING CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001 TO MARK ANY UTILITIES PRIOR TO CONSTRUCTION.
- NO CHANGES TO EXISTING WATER, SEWER, OR ELECTRICAL UTILITIES.
- THE EXISTENCE AND LOCATION (HORIZONTAL AND VERTICAL) OF EXISTING UTILITIES ARE NOT GUARANTEED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL NEW UTILITIES SHALL BE PLACED UNDERGROUND.
- ALL NEW SIGNS & PLAQUES SHALL BE IN ACCORDANCE WITH ARTICLE II, DIVISION 3 OF THE JAMES CITY COUNTY ZONING ORDINANCE.
- NO PARKING SPACES ARE PROPOSED AND PARKING REQUIREMENTS HAVE BEEN MAILED BY THE PLANNING DIRECTOR.
- NO PHASE I ARCHAEOLOGICAL SITES IDENTIFIED ON THE PROPERTY.
- NO NATURAL HERITAGE RESOURCE HABITATS IDENTIFIED ON THE PROPERTY.
- THERE ARE NO ANTICIPATED OFFSITE LAND DISTURBING AREAS ASSOCIATED WITH THE DEVELOPMENT OF THIS SITE.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING SHALL BE DONE WITH THE MINIMUM CARE LAWN BLEND ACCORDING TO TABLE 3.22-D OF STANDARD AND SPECIFICATION 3.32. "PERMANENT SEEDING", OF THE VESCH EROSION BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION TO ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER, AND LIME WILL BE APPLIED PRIOR TO MULCHING. SOIL STABILIZATION MATTING TO BE VESCH TYPICAL TREATMENT T-1 (JUTE MESH).
- ALL NATURAL OPEN SPACE WITHIN THE PROPERTY LOCATED AT 1620 JAMESTOWN ROAD, WILLIAMSBURG, VIRGINIA, SHALL BE MAINTAINED IN ACCORDANCE WITH THE RESTRICTIONS SET FORTH IN THE DEED OF EASEMENT FOR NATURAL OPEN SPACE DATED JUNE 15TH, 2014.



VICINITY MAP
APPROXIMATE SCALE: 1" = 264'-0"

PROJECT DESCRIPTION

THIS SITE PLAN PROPOSES A PASSIVE LINEAR TRAIL SYSTEM FOR A MEMORIAL PARK TO CONNECT THROUGHOUT 1620 JAMESTOWN ROAD. THE MEMORIAL PARK WILL BE OPEN FROM SUNRISE TO SUNSET. THE TRAIL SYSTEM IS DESIGNED WITH ADA COMPLIANT ACCESSIBLE ROUTES. THE MEMORIAL PARK IS TO BE ACCESSED AND USED BY PEDESTRIANS. THE TRAIL SYSTEM SHALL BE INTEGRATED WITH THE WOODED CHARACTER OF THE SITE TO PRESERVE THE NATURAL CHARACTER AS MUCH AS POSSIBLE AND THE DEVELOPMENT OF THE SITE SHALL BE LIMITED.

STATISTICAL INFORMATION

PARCEL ID/TAX MAP NO.:	4620100024D	
OWNER:	GUERTIN, CLIFTON F TRUSTEE	
SITE ADDRESS:	1620 JAMESTOWN ROAD WILLIAMSBURG, VA 23185	
ZONING:	R2 - GENERAL RESIDENTIAL	
COMPREHENSIVE PLAN 2035:	LOW DENSITY RESIDENTIAL	
SITE AREA:	163,254 SF (3.75 AC.)	
DISTURBED AREA:	16,910 SF (0.71 AC.)	
IMPERVIOUS COVER FOR PROJECT AREA:		
	PRE-CONSTRUCTION	POST-CONSTRUCTION
FOREST/OPEN SPACE	163,254 SF (100%)	86,244 SF (53%)
MANAGED TURF	0 SF (0%)	50,530 SF (31%)
IMPERVIOUS COVER	0 SF (0%)	26,580 SF (16%)
TOTAL AREA	163,254 SF (100%)	163,254 SF (100%)

SHEET INDEX

SHEET NO.	SHEET TITLE
C1	COVER SHEET
C2	EXISTING CONDITIONS
C3	DEMOLITION PLAN
C4	PHASE I EROSION & SEDIMENT CONTROL PLAN
C5	GRADING & PHASE II EROSION & SEDIMENT CONTROL PLAN
C6	LAYOUT & LANDSCAPING PLAN
C7	EIS NARRATIVE & STORMWATER NOTES
C8	EIS NOTES & DETAILS
C9	PLAN NOTES & DETAILS

SITE PLAN PREPARED FOR

CLIFTON GUERTIN TRUSTEE
2141 LAKE POWELL
WILLIAMSBURG, VA 23185

IN HONOR OF

JOSEPH V. GUERTIN
U.S. ARMY - WORLD WAR I

GEORGE P. GUERTIN
U.S. MARINE CORP - WORLD WAR II

CLIFTON F. GUERTIN
U.S. ARMY - KOREAN WAR

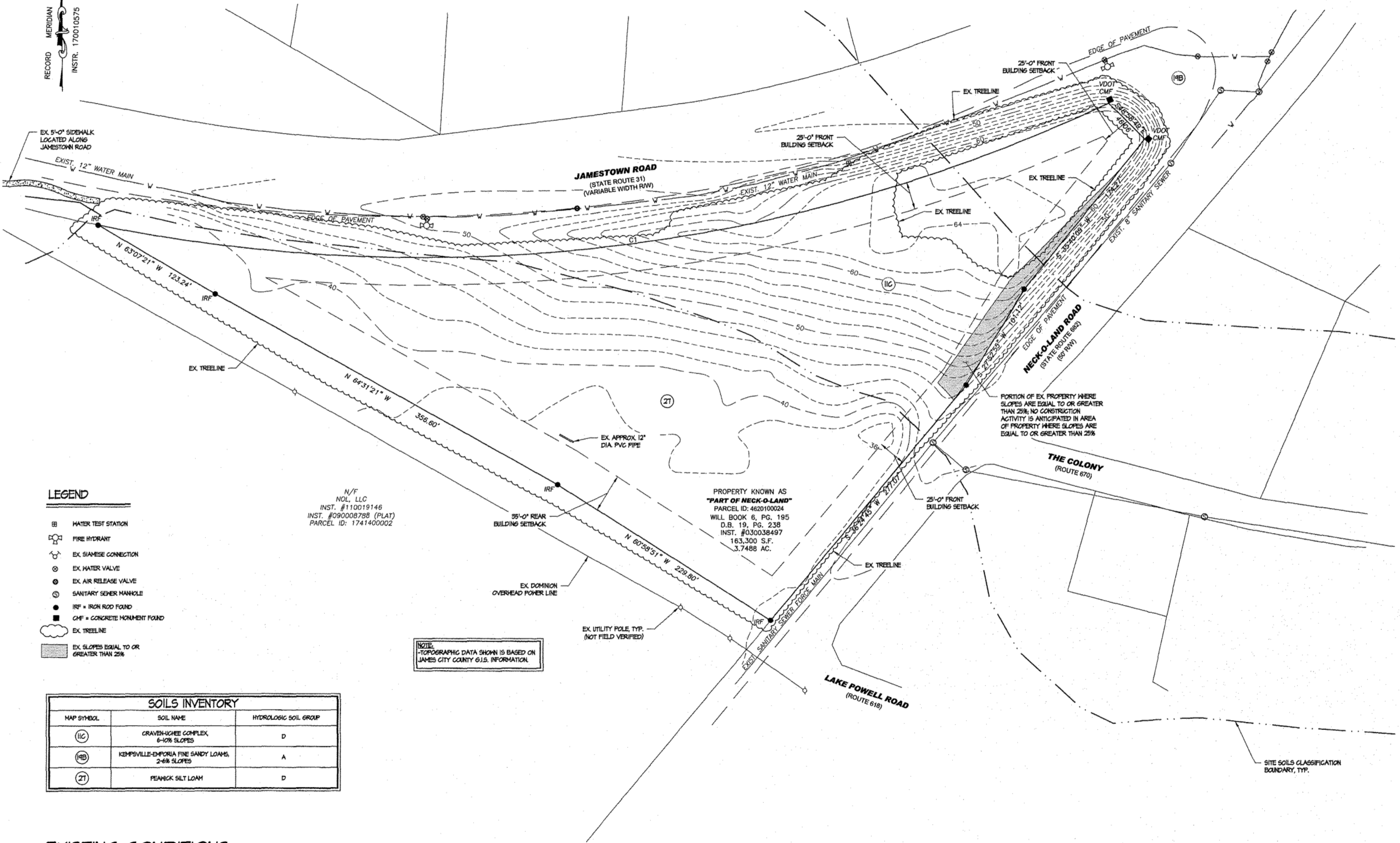
Project #: VAL614DES Drawn by: JMK Reviewed by: NAY
Date: 6/17/19
THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION
No. Revisions
No. Revisions
COVER SHEET
SHEET INDEX
SHEET NO. 61
SHEET TITLE
SITE PLAN OF
INO JIMA MEMORIAL PARK
1620 JAMESTOWN ROAD
JAMES CITY COUNTY
VIRGINIA
1 of 9
The Structures Group, Inc.
1200 Old Colony Lane • Williamsburg, VA 23185
(757)220-0465 • Fax (757)220-1546
www.thestructuresgroup.com

City of Williamsburg & County of James City
Circuit Court: This PLAT was recorded on
July 25, 2019
at 9:51 AM, PG
Document # 190010655
MONA A. FOLEY, CLERK
Mona Foley, Clerk

9 Large/Small Plat(s) Recorded
herewith as # 190010655

190010655

RECORD MERIDIAN
INSTR. 170010575



LEGEND

- ⊕ WATER TEST STATION
- ⊕ FIRE HYDRANT
- ⊕ EX. SIAMISE CONNECTION
- ⊕ EX. WATER VALVE
- ⊕ EX. AIR RELEASE VALVE
- ⊕ SANITARY SEWER MANHOLE
- ⊕ IRF = IRON ROD FOUND
- ⊕ CMF = CONCRETE MONUMENT FOUND
- ⊕ EX. TREELINE
- ⊕ EX. SLOPES EQUAL TO OR GREATER THAN 25%

N/F
NOL, LLC
INST. #110019146
INST. #090008788 (PLAT)
PARCEL ID: 1741400002

PROPERTY KNOWN AS
"PART OF NECK-O-LAND"
PARCEL ID: 4620100024
WILL BOOK 6, PG. 195
D.B. 19, PG. 238
INST. #030038497
163,300 S.F.
3.7488 AC.

NOTE:
-TOPOGRAPHIC DATA SHOWN IS BASED ON
JAMES CITY COUNTY G.I.S. INFORMATION.

MAP SYMBOL	SOIL NAME	HYDROLOGIC SOIL GROUP
(IC)	GRAVENHURGE COMPLEX 6-10% SLOPES	D
(1B)	KEMPSVILLE-EMPORIA FINE SANDY LOAMS 2-6% SLOPES	A
(Z)	PEANOCK SILT LOAM	D

EXISTING CONDITIONS
SCALE: 1" = 40'-0"

City of Williamsburg & County of James City
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Mona A. Foley, Clerk

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Project #: VA181425 Drawn by: JMK Reviewed by: MAM

Date: 6/17/19

THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION

Date

Revisions

No.

Sheet

EXISTING CONDITIONS

**SITE PLAN OF
1620 JAMESTOWN ROAD
JAMES CITY COUNTY, VIRGINIA**

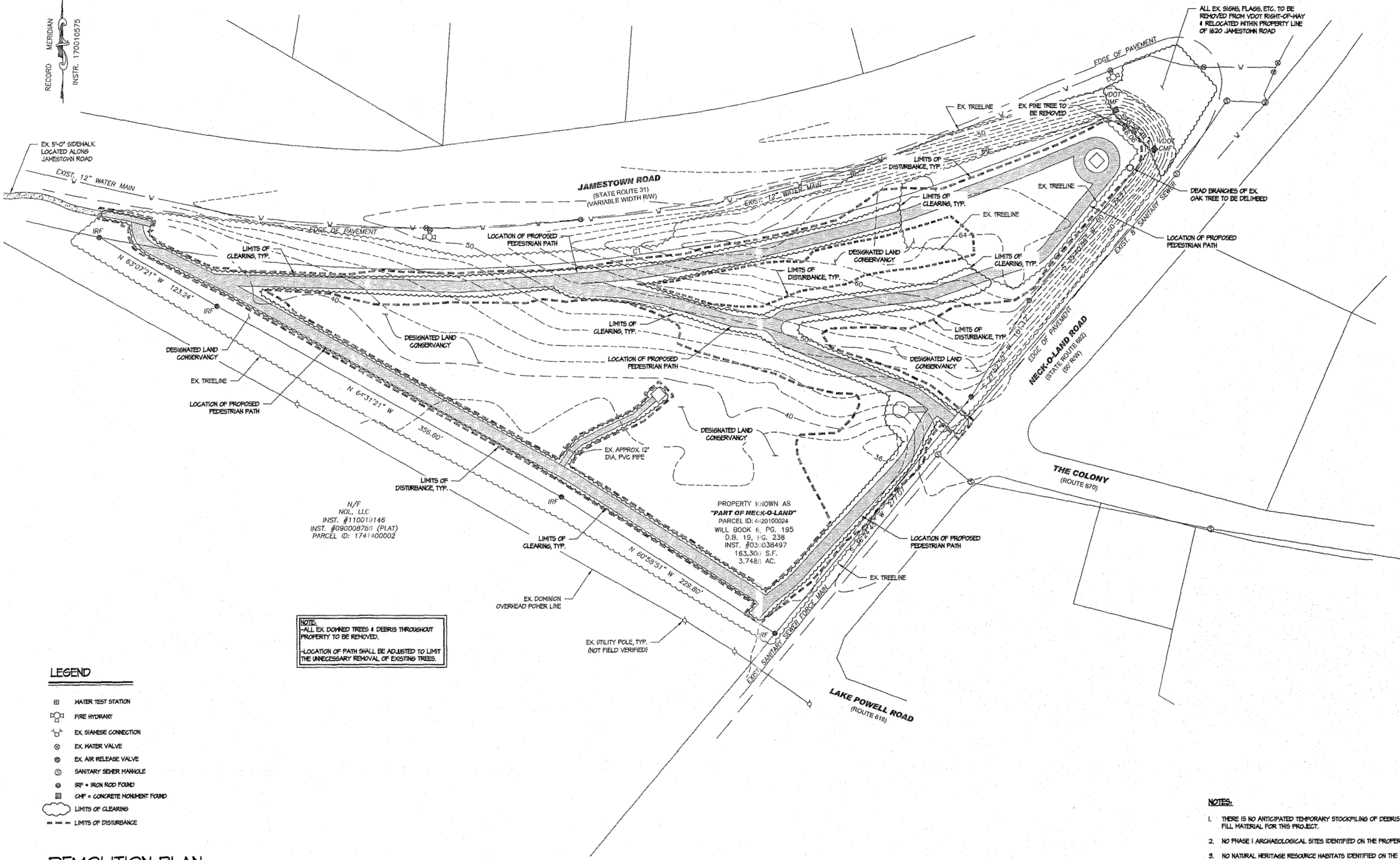
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2 of 9

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1200 Old Colony Lane • Williamsburg, VA 23185
(757)220-0465 • Fax (757)220-1546
www.thestructuresgroup.com

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RECORD MERIDIAN
INSTR. 170010575



NOTE:
-ALL EX DOWNED TREES & DEBRIS THROUGHOUT PROPERTY TO BE REMOVED.
-LOCATION OF PATH SHALL BE ADJUSTED TO LIMIT THE UNNECESSARY REMOVAL OF EXISTING TREES.

- LEGEND**
- ⊠ WATER TEST STATION
 - ⊡ FIRE HYDRANT
 - ⊕ EX SIAMENSE CONNECTION
 - ⊙ EX WATER VALVE
 - ⊙ EX AIR RELEASE VALVE
 - ⊙ SANITARY SEWER MANHOLE
 - ⊙ IRF = IRON ROD FOUND
 - ⊙ CMP = CONCRETE MONUMENT FOUND
 - LIMITS OF CLEARING
 - LIMITS OF DISTURBANCE

DEMOLITION PLAN
SCALE: 1" = 40'-0"

- NOTES:**
- THERE IS NO ANTICIPATED TEMPORARY STOCKPILING OF DEBRIS OR FILL MATERIAL FOR THIS PROJECT.
 - NO PHASE I ARCHAEOLOGICAL SITES IDENTIFIED ON THE PROPERTY.
 - NO NATURAL HERITAGE RESOURCE HABITATS IDENTIFIED ON THE PROPERTY.

Project #: VA1814PDES Date: 6/17/19	Drawn by: JMK Reviewed by: MAX	THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION	Date:	Revisions:	No.
DEVOLITION PLAN SITE PLAN OF IWO JIMA MEMORIAL PARK 1620 JAMESTOWN ROAD JAMES CITY COUNTY VIRGINIA					
Sheet 03 of 9					

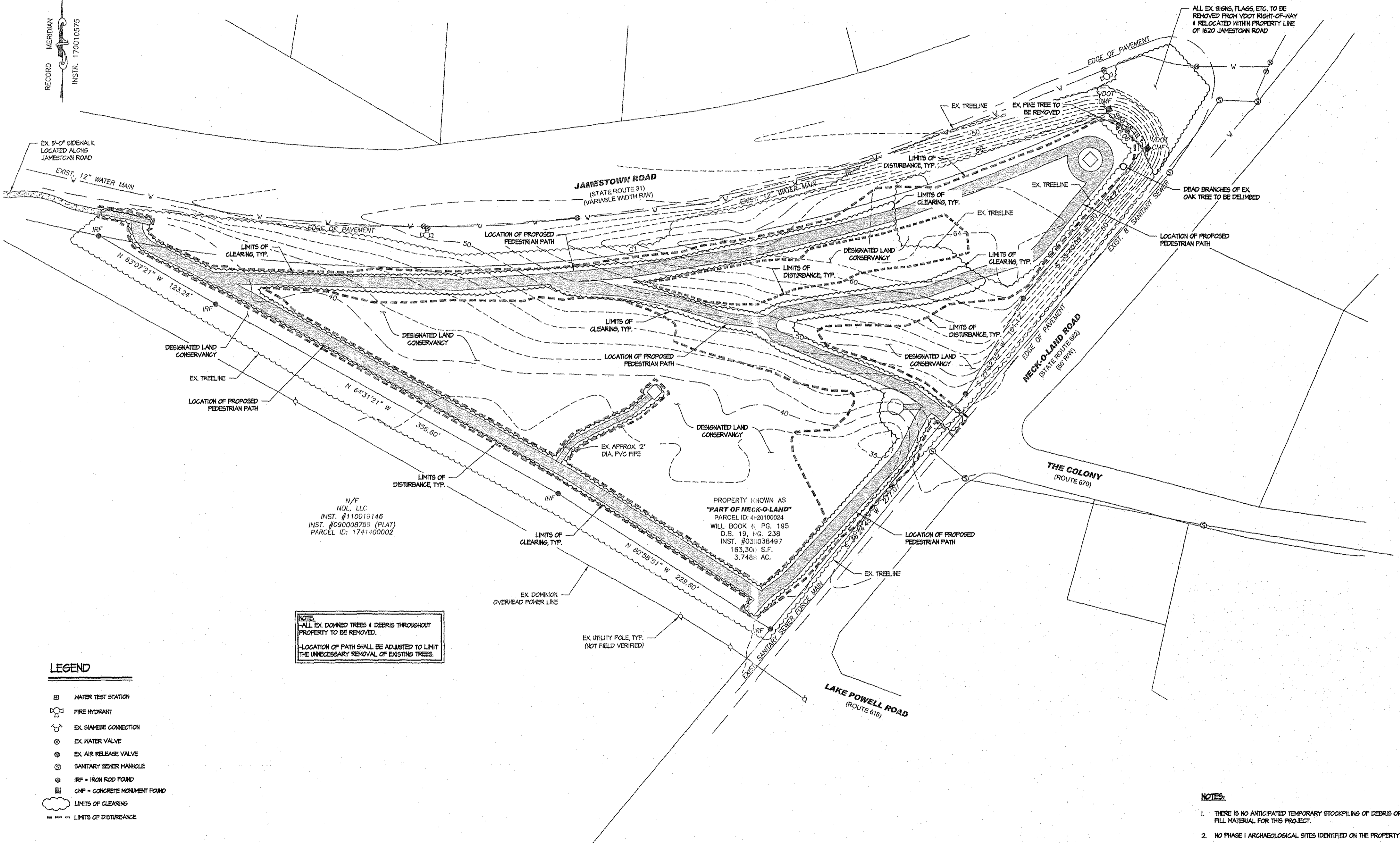
SG The Structures Group, Inc.
 1200 Old Colony Lane • Williamsburg, VA 23186
 (757)220-0485 • Fax (757)220-1646
 www.thestructuresgroup.com

City of Williamsburg & County of James City
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RECORD MERIDIAN
INSTR. 170010575



NOTE:
-ALL EX DOWNED TREES & DEBRIS THROUGHOUT PROPERTY TO BE REMOVED.
-LOCATION OF PATH SHALL BE ADJUSTED TO LIMIT THE UNNECESSARY REMOVAL OF EXISTING TREES.

- LEGEND**
- ⊕ WATER TEST STATION
 - ⊕ FIRE HYDRANT
 - ⊕ EX SIAMISE CONNECTION
 - ⊕ EX WATER VALVE
 - ⊕ EX AIR RELEASE VALVE
 - ⊕ SANITARY SEWER MANHOLE
 - ⊕ IRF = IRON ROD FOUND
 - ⊕ CMF = CONCRETE MONUMENT FOUND
 - LIMITS OF CLEARING
 - LIMITS OF DISTURBANCE

DEMOLITION PLAN
SCALE: 1" = 40'-0"

- NOTES:**
- THERE IS NO ANTICIPATED TEMPORARY STOCKPILING OF DEBRIS OR FILL MATERIAL FOR THIS PROJECT.
 - NO PHASE I ARCHAEOLOGICAL SITES IDENTIFIED ON THE PROPERTY.
 - NO NATURAL HERITAGE RESOURCE HABITATS IDENTIFIED ON THE PROPERTY.

Project #:	VA1814DES	Drawn by:	JMK	Reviewed by:	MAY
Date:	6/17/19	<p>THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION</p>			
Revisions	No.	Date			
<p>DEVOLUTION PLAN</p> <p>SITE PLAN OF 160 JIMA MEMORIAL PARK 1620 JAMESTOWN ROAD</p> <p>JAMES CITY COUNTY VIRGINIA</p>					
Sheet	3	of	9		

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City of Williamsburg & County of James City
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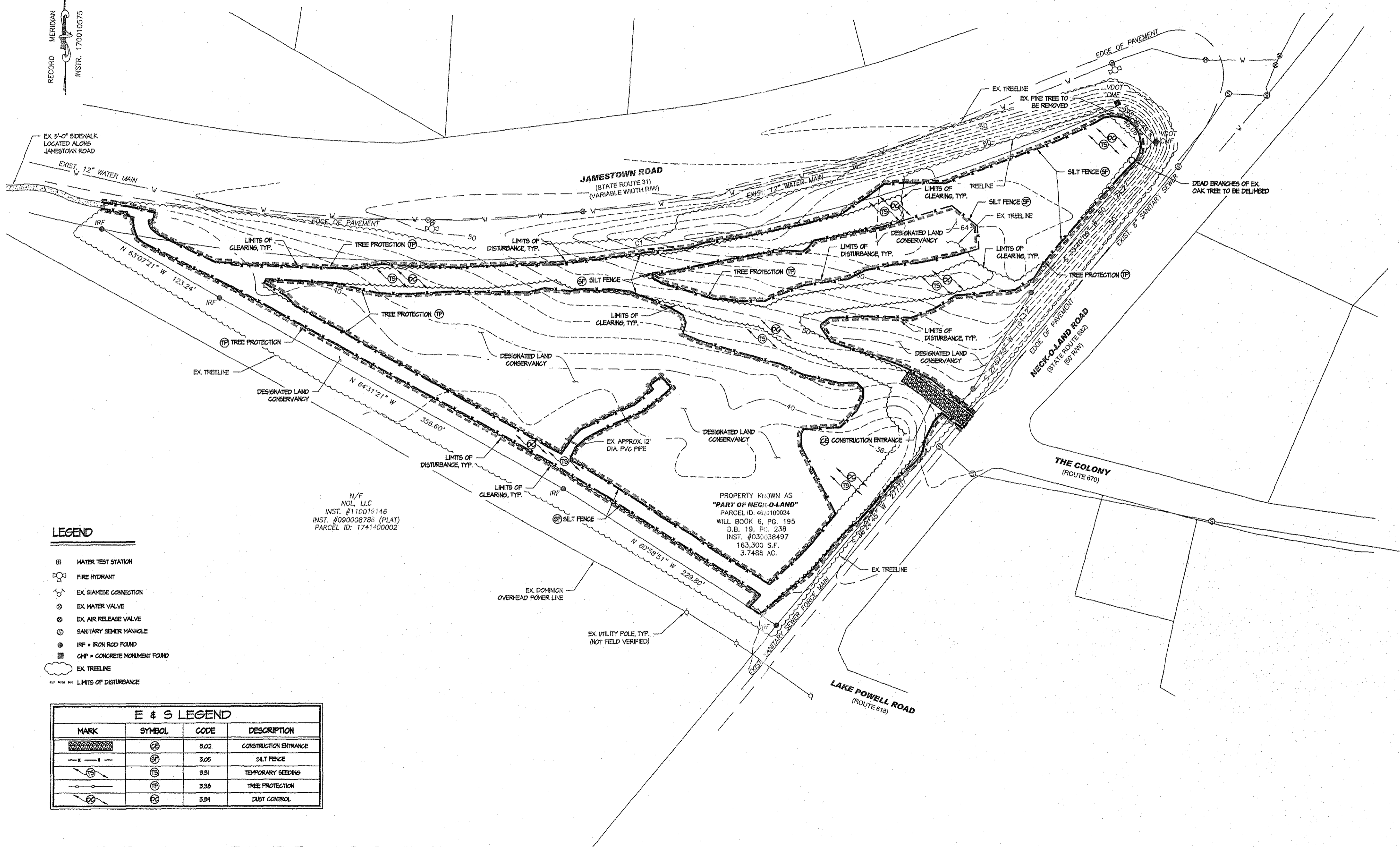
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TEMPORARY STABILIZATION

TEMPORARY SEEDING SHALL BE REQUIRED WHENEVER A DISTURBED AREA WILL BE BROUGHT TO FINAL GRADE 14 OR MORE DAYS AWAY FROM WHEN DISTURBED.

RECORD MERIDIAN
INSTR. 170010575



LEGEND

- ⊠ WATER TEST STATION
- ⊠ FIRE HYDRANT
- ⊠ EX SIAMISE CONNECTION
- ⊠ EX WATER VALVE
- ⊠ EX AIR RELEASE VALVE
- ⊠ SANITARY SEWER MANHOLE
- ⊠ IRF = IRON ROD FOUND
- ⊠ CMF = CONCRETE MONUMENT FOUND
- ⊠ EX TREELINE
- LIMITS OF DISTURBANCE

E & S LEGEND			
MARK	SYMBOL	CODE	DESCRIPTION
⊠	⊠	5.02	CONSTRUCTION ENTRANCE
---	---	5.05	SILT FENCE
⊠	⊠	5.51	TEMPORARY SEEDING
⊠	⊠	5.36	TREE PROTECTION
⊠	⊠	5.34	DUST CONTROL

N/F
NOL, LLC
INST. #110019148
INST. #090008789 (PLAT)
PARCEL ID: 1741-000002

PROPERTY KNOWN AS
"PART OF NECK-O-LAND"
PARCEL ID: 4621000024
WILL BOOK 6, PG. 195
D.B. 19, PG. 238
INST. #036038497
163,300 S.F.
3.7488 AC.

PHASE I EROSION & SEDIMENT CONTROL PLAN

SCALE: 1" = 40'-0"

Project #: VA0164DES Drawn by: JMK Reviewed by: MAM
Date: 6/17/19

THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION

Revisions No. Revisions

PHASE I EROSION & SEDIMENT CONTROL PLAN

**SITE PLAN OF
IMO JIMA MEMORIAL PARK
1620 JAMESTOWN ROAD**

VIRGINIA
JAMES CITY COUNTY

Sheet **C4** 4 of 9

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1800 Old Colony Lane • Williamsburg, VA 23185
(757)220-0465 • Fax: (757)220-1546
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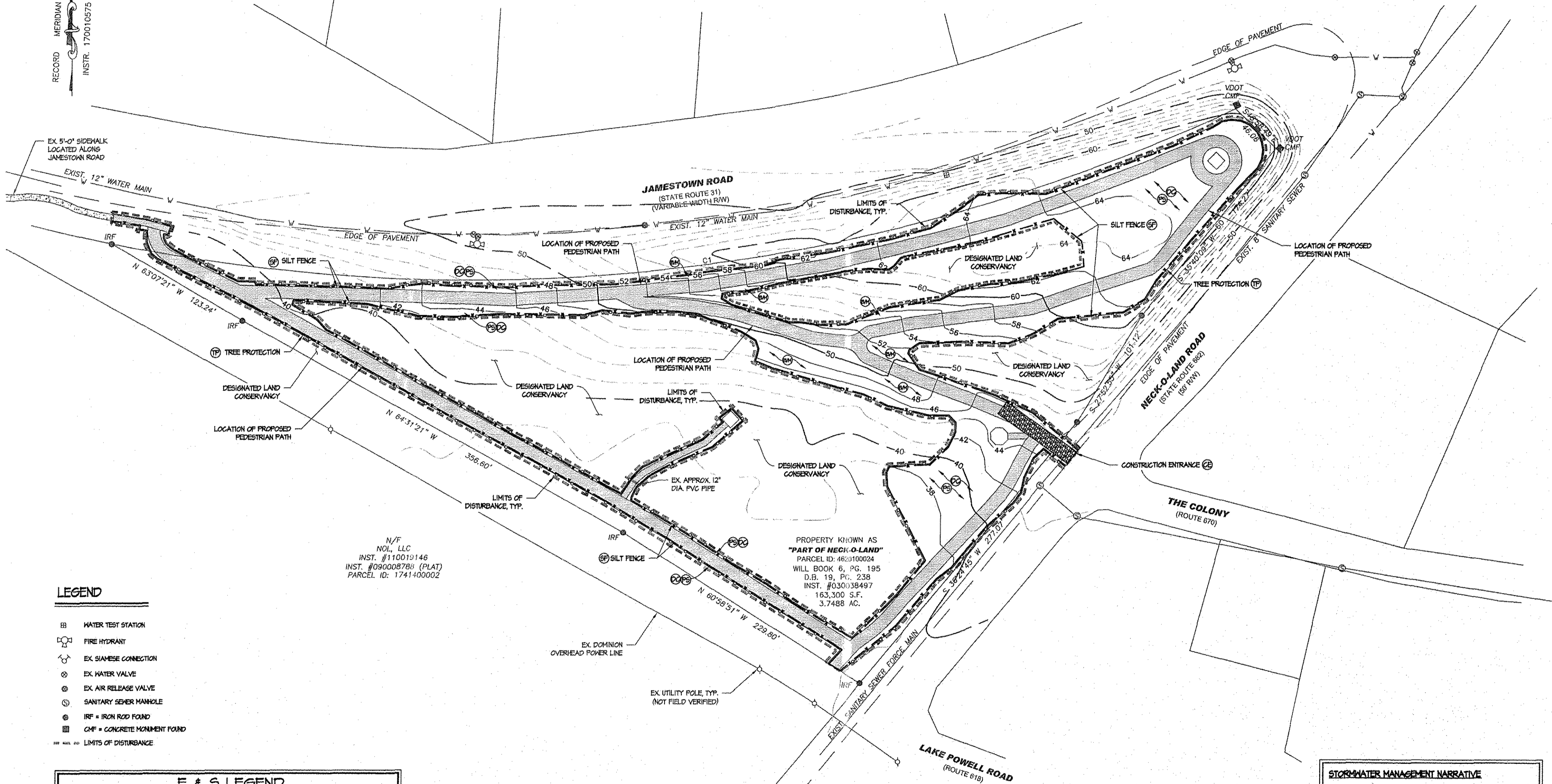
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190010655

PERMANENT STABILIZATION

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. SEEDING SHALL BE DONE WITH KENTUCKY 31 TALL FESCUE ACCORDING TO STANDARD 4 SPECIFICATION 332. "PERMANENT SEEDING" OF THE VESCHEROSION BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDING TO PROTECT THE SLOPES FROM RILL AND GILLY EROSION TO ALLOW THE SEED TO GERMINATE PROPERLY. SOIL STABILIZATION MATTING TO BE VESCH TYPICAL TREATMENT-1 (LITE MESH).

RECORD MERIDIAN
INSTR. 170010575



N/F
NOL, LLC
INST. #110019146
INST. #090008786 (PLAT)
PARCEL ID: 1741400002

PROPERTY KNOWN AS
"PART OF NECK-O-LAND"
PARCEL ID: 4620100024
WILL BOOK 6, PG. 195
D.B. 19, P. 238
INST. #030038497
163,300 S.F.
3.7488 AC.

LEGEND

- ⊕ WATER TEST STATION
- ⊕ FIRE HYDRANT
- ⊕ EX. SIAMASE CONNECTION
- ⊕ EX. WATER VALVE
- ⊕ EX. AIR RELEASE VALVE
- ⊕ SANITARY SENDER MANHOLE
- ⊕ IRF = IRON ROD FOUND
- ⊕ CMF = CONCRETE MONUMENT FOUND
- LIMITS OF DISTURBANCE

E & S LEGEND			
MARK	SYMBOL	CODE	DESCRIPTION
⊕	⊕	5.02	CONSTRUCTION ENTRANCE
⊕	⊕	5.05	SILT FENCE
⊕	⊕	3.32	PERMANENT SEEDING
⊕	⊕	3.36	SOIL STABILIZATION BLANKETS & MATTING
⊕	⊕	3.30	TREE PROTECTION
⊕	⊕	3.34	DUST CONTROL

STORMWATER MANAGEMENT NARRATIVE
CURRENTLY THE STORMWATER FROM THIS SITE SHEET FLOWS INTO EXISTING ROADSIDE DRAINAGE DITCHES ALONG JAMESTOWN ROAD AND NECK-O-LAND ROAD BEFORE DRAINING INTO LAKE POWELL. THE DEVELOPMENT OF THIS SITE WILL RESULT IN MINIMAL IMPACTS TO THE EXISTING SITE DRAINAGE AND THEREFORE, ACCORDING TO VMP REGULATION 9VAC25-810-66 (D), NO FURTHER STORMWATER QUANTITY MEASURES ARE REQUIRED. ALL LAND ON THIS PROPERTY OUTSIDE OF THE LIMITS OF DISTURBANCE IS TO BE CONVERTED INTO A LAND CONSERVANCY AND WILL BE PROTECTED IN ACCORDANCE WITH DEQ VRRM. WATER QUALITY FOR THIS SITE IS ACHIEVED THROUGH THE DESIGNATION OF PROTECTED FORESTED LAND AND THROUGH THE PURCHASE OF OFFSITE NUTRIENT CREDITS.

GRADING & PHASE II EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 40'-0"

City of Williamsburg & County of James City
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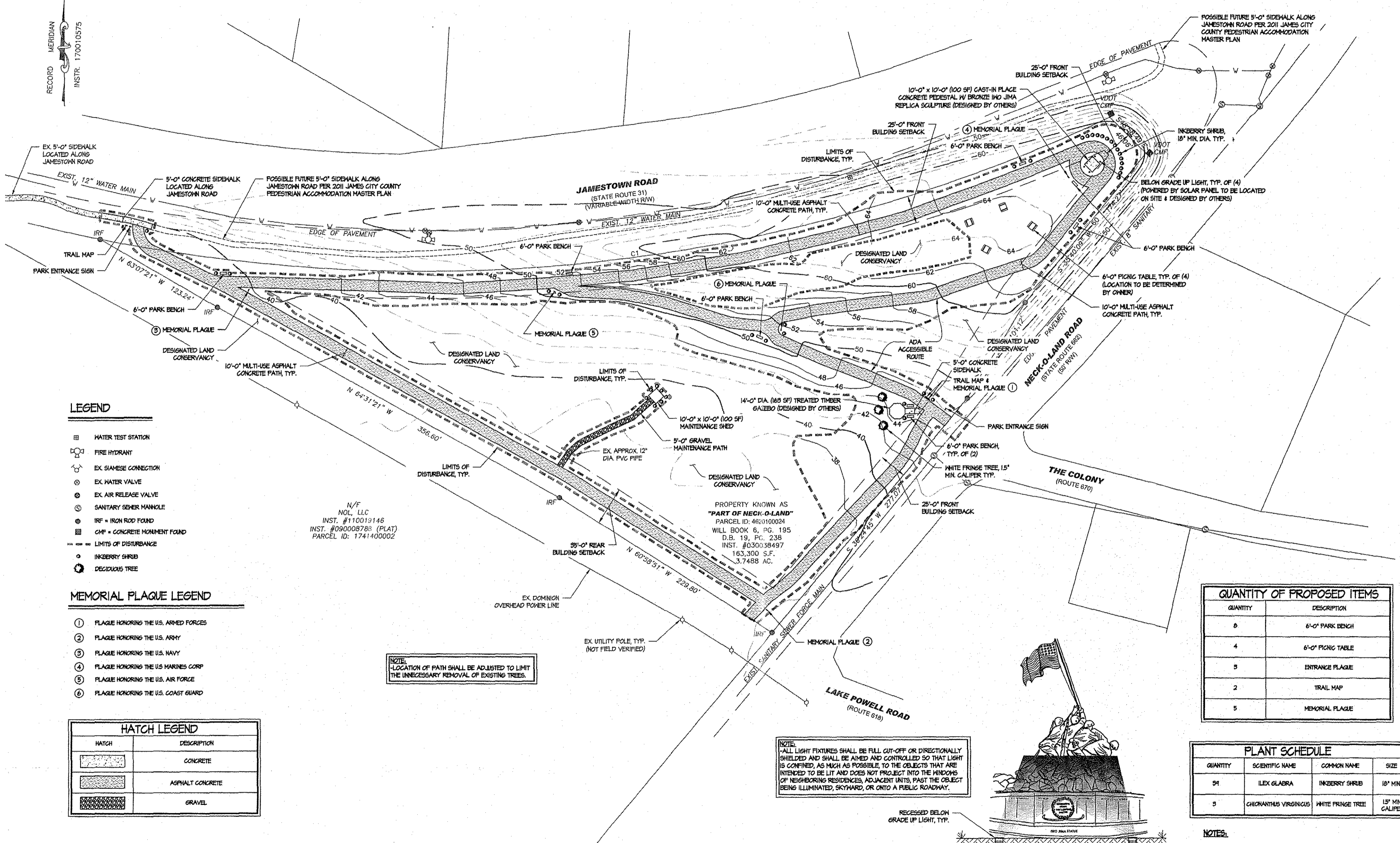
Project #: VA16142ES Drawn by: JMK Reviewed by: MAM
Date: 6/7/19
THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION
Date
Revisions
No.
VIRGINIA
JAMES CITY COUNTY
5 of 9
Sheet
C5
GRADING & PHASE II EROSION & SEDIMENT CONTROL PLAN
SITE PLAN OF
1620 JAMESTOWN ROAD
INO JIMA MEMORIAL PARK
The Structures Group, Inc.
1800 Old Colony Lane • Williamsburg, VA 23185
(757)220-0460 • Fax (757)220-1546
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190010655

PROPOSED NEW IMPERVIOUS COVER

THIS PROJECT PROPOSES THE INSTALLATION OF 64 LINEAR FEET OF 5'-0" WIDE CONCRETE SIDEWALKS, 2916 LINEAR FEET OF 10'-0" WIDE ASPHALT CONCRETE WALKING TRAILS, 108 LINEAR FEET OF 5'-0" WIDE GRAVEL PATH, ONE (1) 10'-0" x 10'-0" GROUND MAINTENANCE SHED, ONE (1) 14'-0" DIAMETER TIMBER GAZEBO, AND ONE (1) 10'-0" x 10'-0" CAST-IN-PLACE CONCRETE MONUMENT PEDESTAL. THE TOTAL PROPOSED IMPERVIOUS COVER FOR THIS PROJECT IS 26,360 SQUARE FEET.

RECORD MERIDIAN
INSTR. 170010575



LEGEND

- WATER TEST STATION
- ⊕ FIRE HYDRANT
- ⊕ EX. SIAMEN CONNECTION
- ⊕ EX. WATER VALVE
- ⊕ EX. AIR RELEASE VALVE
- ⊕ SANITARY SEWER MANHOLE
- ⊕ IRF = IRON ROD FOUND
- ⊕ CMF = CONCRETE MONUMENT FOUND
- LIMITS OF DISTURBANCE
- INKBERRY SHRUB
- DECIDUOUS TREE

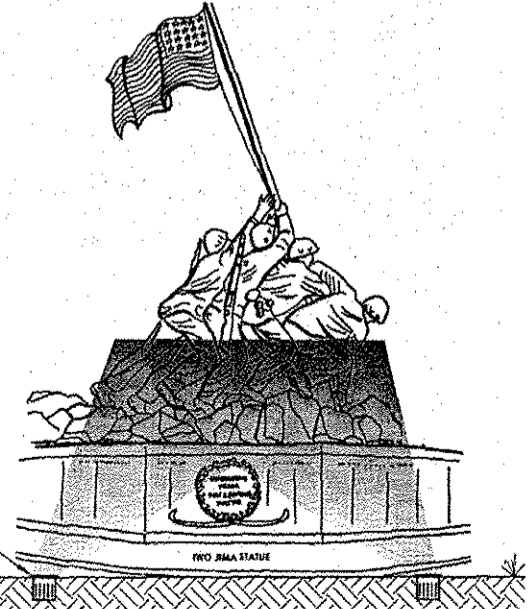
MEMORIAL PLAQUE LEGEND

- ① PLAQUE HONORING THE U.S. ARMED FORCES
- ② PLAQUE HONORING THE U.S. ARMY
- ③ PLAQUE HONORING THE U.S. NAVY
- ④ PLAQUE HONORING THE U.S. MARINES CORP
- ⑤ PLAQUE HONORING THE U.S. AIR FORCE
- ⑥ PLAQUE HONORING THE U.S. COAST GUARD

HATCH LEGEND	
HATCH	DESCRIPTION
	CONCRETE
	ASPHALT CONCRETE
	GRAVEL

NOTE: LOCATION OF PATH SHALL BE ADJUSTED TO LIMIT THE UNNECESSARY REMOVAL OF EXISTING TREES.

NOTE: ALL LIGHT FIXTURES SHALL BE FULL CUT-OFF OR DIRECTIONALLY SHIELDED AND SHALL BE AIMED AND CONTROLLED SO THAT LIGHT IS CONFINED, AS MUCH AS POSSIBLE, TO THE OBJECTS THAT ARE INTENDED TO BE LIT AND DOES NOT PROJECT INTO THE WINDOWS OF NEIGHBORING RESIDENCES, ADJACENT UNITS, PAST THE OBJECT BEING ILLUMINATED, SKYWARD, OR ONTO A PUBLIC ROADWAY.



QUANTITY OF PROPOSED ITEMS	
QUANTITY	DESCRIPTION
6	6'-0" PARK BENCH
4	6'-0" PICNIC TABLE
5	ENTRANCE PLAQUE
2	TRAIL MAP
5	MEMORIAL PLAQUE

PLANT SCHEDULE			
QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE
54	ILEX GLABRA	INKBERRY SHRUB	18" MIN.
5	CHIRONANTHUS VIRGINICUS	WHITE FRINGE TREE	15" MIN. CALIFER

- NOTES:**
- ALL MEMORIAL PLAQUES & SIGNAGE SHALL BE DESIGNED & FORMATTED FOR PEDESTRIAN TRAIL USE.
 - ALL NEW SIGNS & PLAQUES SHALL BE IN ACCORDANCE WITH ARTICLE II, DIVISION 3 OF THE JAMES CITY COUNTY ZONING ORDINANCE.

LAYOUT & LANDSCAPING PLAN
SCALE: 1" = 40'-0"

Project #: VA16162ES
Date: 6/11/19
Sheet: 6 of 9

Reviewed by: JMK
Drawn by: JMK

Project: SITE PLAN OF INO JIMA MEMORIAL PARK 1620 JAMESTOWN ROAD JAMES CITY COUNTY VIRGINIA

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9 Large/Small Plat(s) Recorded herewith as # 190010655

City of Williamsburg & County of James City
Circuit Court: This PLAT was recorded on July 25, 2019 at 9:57 AM PM, PB PG Document # 190010655
MONA A. FOLEY, CLERK
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190010655

EROSION & SEDIMENT CONTROL NARRATIVE

JAMES CITY COUNTY STANDARD STORMWATER POLLUTION PREVENTION NOTES:

EXISTING SITE CONDITIONS

THE PROJECT SITE (THE SITE) LIES AT THE INTERSECTION OF JAMESTOWN ROAD AND NECK-OLAND ROAD. THE SITE CONTAINS 8.75 ACRES AND IS CURRENTLY UNDEVELOPED. THE SITE IS CURRENTLY COVERED BY HEAVY VEGETATION. THE SITE SLOPES HEAVILY FROM THE NORTH EAST CORNER OF THE PROPERTY TOWARDS THE BURNING PROPERTY LINES WITH SOME SLOPES IN EXCESS OF 25%. THE STORMWATER FROM THIS SITE CURRENTLY SHEET FLOWS INTO ROADSIDE DRAINAGE DITCHES BEFORE DRAINING TOWARDS THE NORTH INTO LAKE POMELL.

ADJACENT AREA

THE SITE IS BOUNDED ON THE NORTH AND WEST BY JAMESTOWN ROAD RIGHT-OF-WAY, ON THE EAST BY NECK-OLAND ROAD RIGHT-OF-WAY, AND ON THE SOUTH BY EXISTING DEVELOPED PROPERTY OWNED BY PRIVATE PARTIES.

OFFSITE AREAS

THERE ARE NO OFFSITE LAND DISTURBANCES ASSOCIATED WITH THIS PLAN.

PROPOSED DEVELOPMENT

DEVELOPMENT ASSOCIATED WITH THIS PROJECT CONSIST OF THE CONSTRUCTION OF A HAROSCAPE TRAIL SYSTEM THROUGHOUT THE SITE IN ADDITION TO THE CONSTRUCTION OF AN IWO JIMA MEMORIAL MONUMENT, OUTDOOR GAZING, AND GROUNDS MAINTENANCE SHED.

ON-SITE SOILS CLASSIFICATION

SOIL DELINEATION AND CLASSIFICATIONS OBTAINED FROM THE USDA NRCS WEB SOIL SURVEY DATABASE ACCESSSED IN NOVEMBER 2018. DESCRIPTIONS OF SOILS ARE FROM THE USDA SOIL SURVEY OF JAMES CITY COUNTY, VIRGINIA.

1G GRANVILLE COMPLEX 8 TO 10 PERCENT SLOPES - HYDROLOGIC SOIL GROUP D

THE GRANVILLE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY LOW. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT POOLED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

THE BOHEE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT POOLED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

1B KEMPVILLE-EPHORA FINE SANDY LOAM 2 TO 4 PERCENT SLOPES - HYDROLOGIC SOIL GROUP A

THE KEMPVILLE COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT POOLED. THERE IS NO ZONE OF WATER SATURATION WITHIN A DEPTH OF 72 INCHES. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

THE EPHORA COMPONENT CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY LOW. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT POOLED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

2I FRANKS SILT LOAM - HYDROLOGIC SOIL GROUP D

THE FRANKS COMPONENT MAKES UP 80 PERCENT OF THE MAP UNIT. SLOPES ARE 0 TO 5 PERCENT. THIS COMPONENT IS ON STREAM TERRACES ON COASTAL PLAINS. THE PARENT MATERIAL CONSISTS OF MARINE DEPOSITS. DEPTH TO A ROOT RESTRICTIVE LAYER IS GREATER THAN 60 INCHES. THE NATURAL DRAINAGE CLASS IS MODERATELY WELL DRAINED. WATER MOVEMENT IN THE MOST RESTRICTIVE LAYER IS MODERATELY HIGH. AVAILABLE WATER TO A DEPTH OF 60 INCHES (OR RESTRICTED DEPTH) IS MODERATE. SHRINK-SWELL POTENTIAL IS MODERATE. THIS SOIL IS NOT FLOODED. IT IS NOT POOLED. ORGANIC MATTER CONTENT IN THE SURFACE HORIZON IS ABOUT 1 PERCENT. NONIRRIGATED LAND CAPABILITY CLASSIFICATION IS 2E. THIS SOIL DOES NOT MEET HYDROIC CRITERIA.

EROSION & SEDIMENT CONTROL MEASURES

ALL MEASURES LISTED WITHIN THIS SECTION SHALL BE APPLIED, CONSTRUCTED, AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESH). REFER TO THE NOTED SECTION WITHIN THE VESH (E.G. VESH 5.02) FOR MORE DETAILED INFORMATION IN GENERAL. ALL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT FOR SEDIMENT BUILDUP AND REPAIR/RECLEANED OUT AS NEEDED. STABILIZATION SHALL OCCUR AS DICTATED IN THE SEQUENCE OF CONSTRUCTION ON THE APPROVED SITE PLAN OR AS DIRECTED BY COUNTY OFFICIALS.

STRUCTURAL PRACTICES

STONE CONSTRUCTION ENTRANCE (VESH 5.02)

THE STONE CONSTRUCTION ENTRANCE IS A STABILIZED STONE PAD WITH A FILTER FABRIC UNDERLAYER LOCATED AT POINTS OF VEHICULAR ACCESS AND EXITS ON A CONSTRUCTION SITE. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS THE TRACKING OF MUD AND/OR SEDIMENT ONTO PAVED RIGHT-OF-WAYS. THIS MAY BE ACHIEVED THROUGH THE ADDITION OF STONE, WASHING/REWORKING EXISTING STONE, AND/OR CLEANOUT OF SEDIMENT BUILDUP, AS NECESSARY.

SILT FENCE (VESH 5.01)

SYNTHETIC FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS ENTRENCHED AROUND THE PERIMETER OF PORTIONS OF THE CONSTRUCTION SITE IN ORDER TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT FROM DISTURBED AREAS WHICH WOULD OTHERWISE LEAVE THE PROJECT SITE. THE SILT FENCE (SF) SHALL BE REPAIRED SHOULD BIRD RUNS AND/OR UNDERCUTTING OCCUR. FACING ROCKS/POSTS OR THE FENCE SHOULD BE REPLACED IMMEDIATELY UPON REMOVAL OF THE SF. ANY SEDIMENT BUILDUP REMAINING SHALL BE RESTORED TO FINISH GRADE AND SEED/STABILIZED.

TREE PROTECTION (VESH 5.03)

FENCING OR ANCHORS PROVIDED TO ENSURE THE PROTECTION OF DESIRABLE TREES FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITY.

VEGETATIVE PRACTICES

TEMPORARY SEEDING (VESH 5.02)

WHERE DISTURBED AREAS WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN FOURTEEN (14) DAYS, TEMPORARY SEEDING MUST BE APPLIED. THE PURPOSE IS THE SAME AS THE PERMANENT SEEDING (NOTED BELOW).

PERMANENT SEEDING (VESH 5.02)

THE PRIMARY ROLE OF PERMANENT SEEDING AND FINAL STABILIZATION WITH RESPECT TO POLLUTION PREVENTION IS THE ABILITY OF THIS SEEDING AND STABILIZATION TO PROTECT DISTURBED AREAS FROM EROSION AND THIS DECREASING SEDIMENT YIELD AT THE FIRST LEVEL. PERMANENT SEEDING IS CRUCIAL TO BOTH EROSION AND POLLUTION PREVENTION AND HAS MANY SPECIFIC DETAILS. REFER TO THE VESH AND THE APPROVED SITE PLAN FOR PROPER SEEDING TECHNIQUES AND PRACTICES.

SOIL STABILIZATION BLANKETS / MATTING (VESH 5.06)

PROTECTIVE COVERING IN THE FORM OF BLANKETS OR SOIL STABILIZATION MATS SHALL BE USED ON AREAS MORE SUSCEPTIBLE TO EROSION THAN MOST OTHER AREAS (E.G. STEEP SLOPES). THIS MATTING AIDS IN CONTROLLING EROSION ON THESE CRITICAL AREAS BY PROVIDING A MICROCLIMATE WHICH PROTECTS YOUNG VEGETATION AND PROMOTES ESTABLISHMENT.

DUST CONTROL (VESH 5.04)

METHOD OF REDUCING SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES MAY BE ACHIEVED THROUGH TEMPORARY AND PERMANENT PLACEMENT OF VEGETATIVE COVER, MULCHING, IRRIIGATION, STONE, AND STRUCTURAL BARRIERS.

MAINTENANCE OF CONTROL MEASURES

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- 1. THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
2. THE SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NEEDED.

THE FOLLOWING STANDARD COUNTY NOTES SHALL BECOME PART OF ANY APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPP) FOR PLAN OF DEVELOPMENT PROJECTS IN JAMES CITY COUNTY, VIRGINIA. COMPONENTS OF A SWPP MAY INCLUDE AS APPLICABLE, A SITE EROSION AND SEDIMENT CONTROL (EASC) PLAN, A SITE STORMWATER MANAGEMENT (SSM) PLAN AND A SITE POLLUTION PREVENTION PLAN (PPP). THE COUNTY'S DIVISION OF ENGINEERING AND RESOURCE PROTECTION IS DESIGNATED BY CHAPTER 8 OF THE COUNTY CODE AS THE LOCAL VIRGINIA EROSION AND SEDIMENT CONTROL PROGRAM (VESHCP) AUTHORITY AND VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMMP) AUTHORITY.

- 1. ALL THE PROVISIONS OF VIRGINIA EROSION AND SEDIMENT CONTROL (EASC) LAW AND REGULATIONS, THE VIRGINIA STORMWATER MANAGEMENT ACT AND REGULATIONS (NSMP), THE VIRGINIA BMP CLEARINGHOUSE WEBSITE, STATE EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT HANDBOOKS, AND ANY ASSOCIATED TECHNICAL BULLETINS AND GUIDANCE DOCUMENTS AS PUBLISHED BY THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ), AND THE LOCAL VESHCP AND VSMMP AUTHORITY SHALL APPLY TO THE PROJECT.
2. MINIMUM STANDARDS NO. 1 THROUGH NO. 11 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS (VACE-840 ET SEQ.) SHALL APPLY TO THE PROJECT.
3. THE OWNER, APPLICANT, OPERATOR, OR PERMITTEE SHALL BE RESPONSIBLE TO REGISTER FOR CONSTRUCTION GENERAL PERMIT (CGP) COVERAGE, AS APPLICABLE, IN ACCORDANCE WITH THE GENERAL VESHCP PERMIT FOR DISCHARGE OF STORMWATER FROM CONSTRUCTION ACTIVITIES (VARI) CHAPTER 800, THE VIRGINIA STORMWATER MANAGEMENT PROGRAM REGULATIONS CHAPTER 810, AND IN ACCORDANCE WITH CURRENT REQUIREMENTS OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMMP), THE STATE WATER CONTROL BOARD, THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 8 OF THE COUNTY CODE AND THE LOCAL VESHCP/VSMMP AUTHORITY.
4. THE OWNER, APPLICANT, OPERATOR OR PERMITTEE SHALL PROVIDE THE NAME OF AN INDIVIDUAL HOLDING A VALID RESIDENTIAL LAND DISTURBER (RLD) CERTIFICATE OF COMPETENCE WHO WILL BE RESPONSIBLE FOR THE LAND DISTURBING ACTIVITY PRIOR TO ENGAGING IN THE LAND DISTURBING ACTIVITY. THIS WILL BE NECESSARY PRIOR TO ISSUANCE OF A LOCAL LAND DISTURBER AND/OR STORMWATER CONSTRUCTION PERMIT FOR THE PROJECT. THE RLD IS REQUIRED TO ATTEND THE PRECONSTRUCTION CONFERENCE FOR THE PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE TO CONTACT MISS UTILITY (CALL 811 IN VA OR 1-800-552-1000) PRIOR TO ANY UTILITY OR SITE WORK EXCAVATIONS.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLANNED, DESIGNED, IMPLEMENTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP). THE CONTRACTOR SHALL MAINTAIN, INSPECT, AND REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED THROUGHOUT THE LIFE OF THE PROJECT TO ENSURE CONTINUED ACCEPTABLE PERFORMANCE.

- 1. A PRECONSTRUCTION CONFERENCE (MEETING) SHALL BE HELD ON SITE AND INCLUDE REPRESENTATIVES FROM THE LOCAL VESHCP/VSMMP AUTHORITY, THE OWNER/APPLICANT/OPERATOR/PERMITTEE, THE RESPONSIBLE LAND-DISTURBER (RLD), AND THE CONTRACTOR, ENGINEER, AND OTHER RESPONSIBLE AGENCIES, AS APPLICABLE, PRIOR TO AUTHORIZATION AND ISSUANCE OF A LOCAL LAND DISTURBER OR STORMWATER CONSTRUCTION PERMIT. THE OWNER, APPLICANT, OPERATOR OR PERMITTEE IS REQUIRED TO COORDINATE SCHEDULING OF THE PRECONSTRUCTION CONFERENCE BETWEEN ALL APPLICABLE PARTIES. THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION AND A REVISED POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) IF APPLICABLE, TO THE LOCAL VESHCP/VSMMP AUTHORITY FOR REVIEW AND APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING.
2. A POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) IF REQUIRED, SHALL BE DEVELOPED, IMPLEMENTED AND UPDATED AS NECESSARY AND MUST DETAIL THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH MATERIALS; MINIMIZE THE EXPOSURE OF ALL MATERIALS ON THE SITE (SUCH AS BUILDING MATERIALS AND PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, ETC.) TO PRECIPITATION AND STORMWATER; MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS; IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES; AND INCLUDE INTEGRATED BEST MANAGEMENT PRACTICES TO PROMOTE THE DISCHARGE OF WASTEWATER FROM CONCRETE WASHOUT AREAS, DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF SLUDGE, PAINT, FURF, RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS; DISCHARGE OF FUELS, OILS, OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE ACTIVITIES; AND THE DISCHARGE OF SOAPS AND SOLVENTS USED FOR VEHICLE AND EQUIPMENT WASHING. THIS PLAN SHALL BE AVAILABLE ON-SITE FOR REVIEW AT REASONABLE TIMES BY THE LOCAL VESHCP/VSMMP AUTHORITY WHEN REQUESTED.
4. THE OWNER, APPLICANT, OPERATOR, OR PERMITTEE IS RESPONSIBLE FOR ALL OPERATOR SELF-INSPECTIONS AS REQUIRED IN THE POLLUTION PREVENTION PLAN (P2 PLAN OR PPP) OR AS REQUIRED AS PART OF A DEVELOPED STORMWATER POLLUTION PREVENTION PLAN (SWPP). THESE INSPECTIONS SHALL BE MADE AVAILABLE, UPON REQUEST, BY THE LOCAL VESHCP/VSMMP AUTHORITY.
10. ALL PERIMETER EROSION AND SEDIMENT CONTROL (EASC) MEASURES SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE SLOPES LAND DISTURBANCE ACTIVITY TAKES PLACE.
11. ADDITIONAL SAFETY FENCE OR DUST CONTROL MEASURES, IN ACCORDANCE WITH THE PROVISIONS OF MINIMUM STANDARDS & SPECS. 3.01 AND 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), MAY BE REQUIRED TO BE IMPLEMENTED ON THE SITE IN ORDER TO THAT SHOWN ON THE APPROVED PLAN AND SPECIFICATIONS IN ORDER TO ENSURE ADEQUATE PROTECTION OF THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC OR IF SITE CONDITIONS CHANGE, BECOME APPARENT OR ALTER SIGNIFICANTLY FOLLOWING THE DATE OF PLAN APPROVAL.

- 12. EROSION AND SEDIMENT CONTROL MEASURES MAY REQUIRE MINOR FIELD ADJUSTMENTS AT OR FOLLOWING THE TIME OF CONSTRUCTION TO ENSURE THEIR INTENDED PURPOSE IS ACCOMPLISHED, TO ENSURE ADEQUATE PROTECTION OF THE HEALTH, SAFETY, AND WELFARE OF THE PUBLIC, OR IF SITE CONDITIONS CHANGE, BECOME APPARENT OR ALTER SIGNIFICANTLY FOLLOWING THE DATE OF PLAN APPROVAL. LOCAL VESHCP/VSMMP AUTHORITY APPROVAL SHALL BE REQUIRED FOR ANY DEVIATION OF EROSION AND SEDIMENT CONTROL MEASURES FROM THE APPROVED PLAN.
13. OFF-SITE WASTE OR EROSION AREAS SHALL BE APPROVED BY THE LOCAL VESHCP/VSMMP AUTHORITY PRIOR TO THE IMPORT OF ANY BORROW OR EXPORT OF ANY WASTE TO OR FROM THE PROJECT SITE.
14. TEMPORARY SOIL STOCKPILES SHALL COMPLY WITH THE PROVISIONS OF SECTION 24-46 OF THE COUNTY CODE.
15. GULCHES AND STORM DRAIN INLET PROTECTORS, IN ACCORDANCE WITH THE PROVISIONS OF MINIMUM STANDARDS & SPECS. 3.01 AND 3.02 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), MAY BE REMOVED AT THE DISCRETION OF THE ASSIGNED LOCAL VESHCP/VSMMP AUTHORITY COMPLIANCE INSPECTOR, SHOULD PLACEMENT OF THE MEASURE RESULT IN EXCESSIVE ROAD FLOODING, TRAFFIC OR SAFETY HAZARDS, OR RESULT IN THE RESTRICTION OF DRAINAGE INTO OR TOWARD EXISTING LOTS, HOMES, EXISTING GARAGES OR OTHER STRUCTURES. DECISIONS SHALL BE MADE BY THE VESHCP/VSMMP AUTHORITY ON A CASE-BY-CASE BASIS BASED ON FIELD SITUATIONS ENCOUNTERED.
16. DRAINAGE FACILITIES SHALL BE INSTALLED AND FUNCTIONAL WITHIN 30 DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT.
17. NO MORE THAN 500 FEET OF TRENCH MAY BE OPEN AT ONE TIME FOR UNDERGROUND UTILITY LINES, INCLUDING STORM WATER CONVEYANCES. ALL OTHER PROVISIONS OF MINIMUM STANDARD NO. 16 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS APPLY.
18. PERMANENT OR TEMPORARY STABILIZATION OF DISTURBED SOIL AREAS SHALL COMPLY WITH MINIMUM STANDARD # 1 AND # 3 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS.
19. THE TERM SEEDING FINAL VEGETATIVE COVER OR STABILIZATION ON THE APPROVED PLAN SHALL MEAN THE SUCCESSFUL GERMINATION AND ESTABLISHMENT OF A STABLE GRASS COVER FROM A PROPERLY PREPARED SEEDBED, IN ACCORDANCE WITH MINIMUM STANDARD # 1 AND # 3 FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS, MINIMUM STANDARDS & SPECS. 3.01 THROUGH 3.01 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP), AND ANY TECHNICAL BULLETINS ISSUED BY THE STATE WATER CONTROL BOARD OR VIRGINIA DEQ, AS APPLICABLE. RESTORATION, IF NECESSARY, SHALL COMPLY WITH ALL APPLICABLE SEASONAL OUTDOOR WATER USE RESTRICTIONS OF THE JAMES CITY SERVICE AUTHORITY.
20. IF DISTURBED AREA STABILIZATION IS TO BE ACCOMPLISHED DURING THE MONTHS OF DECEMBER, JANUARY OR FEBRUARY, STABILIZATION SHALL CONSIST OF MULCHING IN ACCORDANCE WITH MINIMUM STANDARD & SPEC. 3.03 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESHCP). SEEDING WILL THEN TAKE PLACE AS SOON AS THE SEASON PERMITS.
21. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. REMOVAL SHALL NOT OCCUR WITHOUT AUTHORIZATION BY THE LOCAL VESHCP/VSMMP AUTHORITY. DISTURBANCES ASSOCIATED WITH THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY STABILIZED.
22. NO SEDIMENT TRAP OR SEDIMENT BASIN SHALL BE REMOVED UNTIL A) AT LEAST 75 PERCENT OF THE SINGLE-FAMILY LOTS WITHIN THE DRAINAGE AREA TO THE TRAP OR BASIN HAVE BEEN SOLD TO A THIRD PARTY FOR THE CONSTRUCTION OF HOMES (UNRELATED TO THE DEVELOPER); AND/OR B) 60 PERCENT OF THE SINGLE-FAMILY LOTS WITHIN THE DRAINAGE AREA TO THE TRAP OR BASIN ARE COMPLETED AND STABILIZED. A BULK SALE OF THE LOTS TO ANOTHER BUILDER DOES NOT SATISFY THIS PROVISION. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL NOT BE REMOVED WITHOUT AUTHORIZATION OF THE LOCAL VESHCP/VSMMP AUTHORITY.
23. DESIGN AND CONSTRUCTION OF PRIVATE-TYPE STORM DRAINAGE SYSTEMS, OUTSIDE VDOT RIGHT-OF-WAY, SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT VERSION OF THE JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION, STORMWATER DRAINAGE CONVEYANCE SYSTEMS (NON-VDOT RELATED), GENERAL DESIGN AND CONSTRUCTION GUIDELINES (IE. COUNTY DRAINAGE STANDARDS).
24. RECORD DRAININGS (AS-BUILTS) AND CONSTRUCTION CERTIFICATIONS ARE REQUIRED FOR ALL STORMWATER FACILITIES INCLUDING STORMWATER MANAGEMENT/FACILITIES AND STORM DRAINAGE CONVEYANCE SYSTEMS. THE CERTIFICATION PROCESS SHALL INCLUDE AN INTERNAL CLOSED-CIRCUIT TELEVISION CAMERA (CCTV) POST-INSTALLATION INSPECTION PERFORMED BY THE OWNER IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS DEVELOPED BY THE VSMMP AUTHORITY. RECORD DRAININGS AND CONSTRUCTION CERTIFICATIONS MUST MEET ESTABLISHED PROGRAM REQUIREMENTS OF THE COUNTY'S CHAPTER 8 EROSION AND SEDIMENT CONTROL AND VSMMP ORDINANCE AND THE LOCAL VESHCP/VSMMP AUTHORITY.
25. ALL STORMWATER FACILITIES INCLUDING BMPs, STORM DRAINAGE PIPES, STORMWATER CONVEYANCES, INLETS, MANHOLES, OUTFALLS AND ROADSIDE AND OTHER OPEN CHANNELS SHALL BE INSPECTED BY THE LOCAL VESHCP/VSMMP AUTHORITY, THE OWNER, AND THE APPLICANT/OPERATOR/PERMITTEE. DESIGNATED GEOTECHNICAL ENGINEER FOR THE PROJECT IN ACCORDANCE WITH ESTABLISHED COUNTY STORMWATER FACILITY INSPECTION PROGRAM REQUIREMENTS.

City of Williamsburg & County of James City
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MONA A. FOLEY, CLERK
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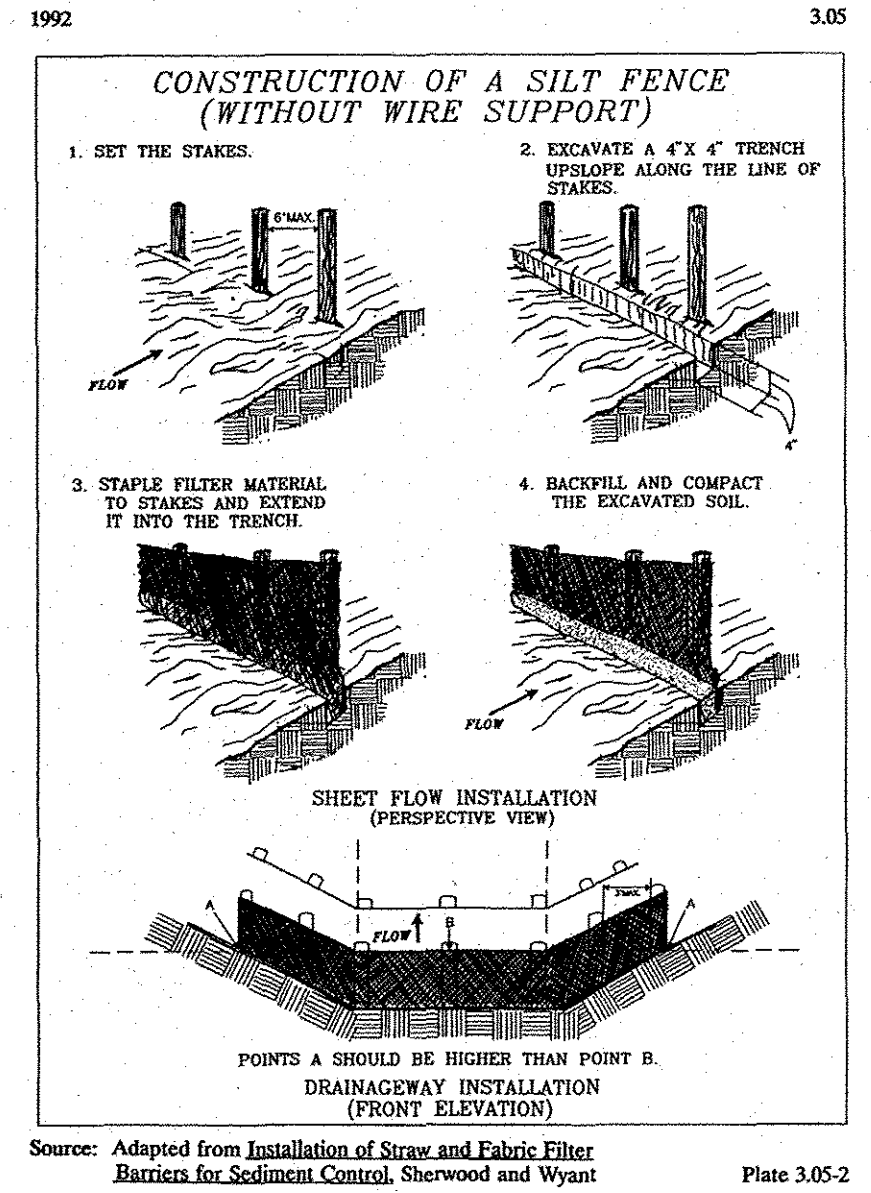
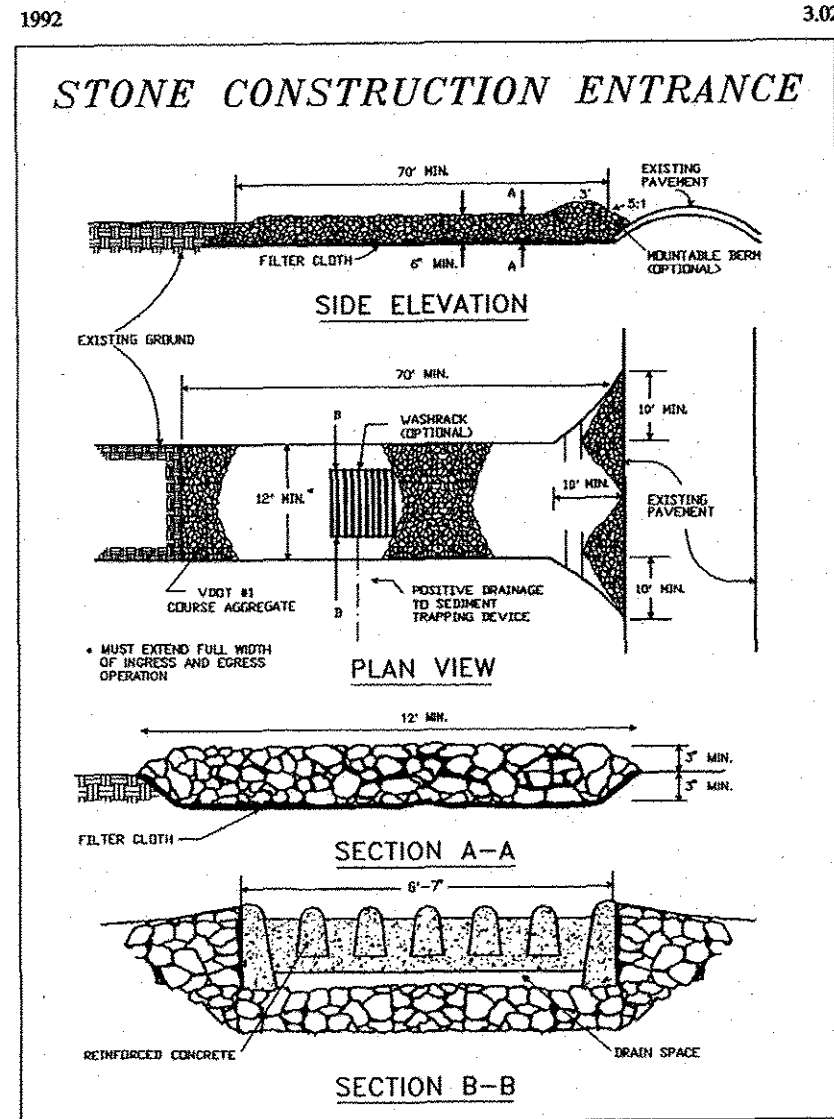
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Reviewed by: MAN
Drawn by: JMK
Project #: VAB1625
Date: 6/17/19
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EROSION & SEDIMENT CONTROL NARRATIVE
SITE PLAN OF IWO JIMA MEMORIAL PARK
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190010655

GENERAL NOTES

- CONTRACTOR SHALL SECURE THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND COMPLY WITH ALL COUNTY REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL.
- ALL CUTS, VEGETATION, AND DELETERIOUS MATERIAL ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF OFF SITE.
- ALL GREEN AREAS, WITHIN LIMITS OF CONSTRUCTION, TO BE TOPSOILED, FERTILIZED, AND SEEDED.



DETAIL SCALE: NTS **STONE CONSTRUCTION ENTRANCE** VESCH 3.02

DETAIL SCALE: NTS **SILT FENCE** VESCH 3.05

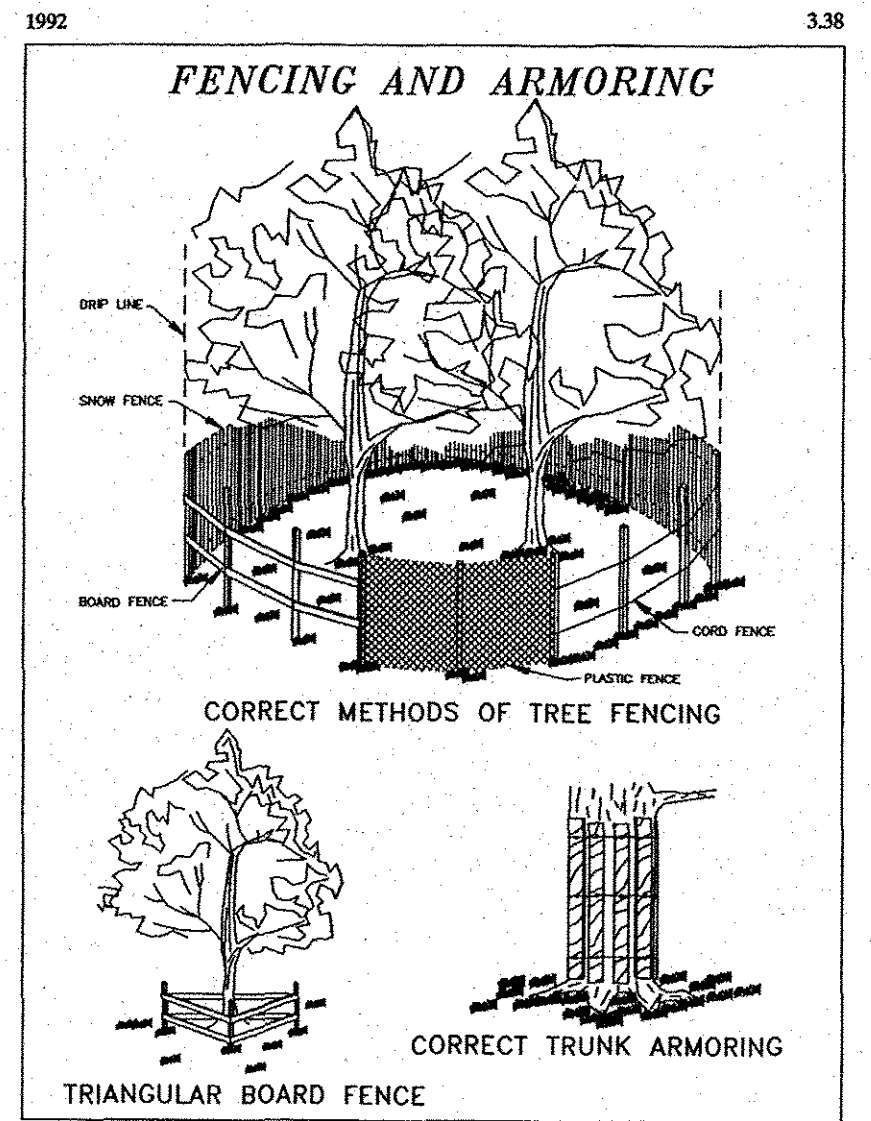
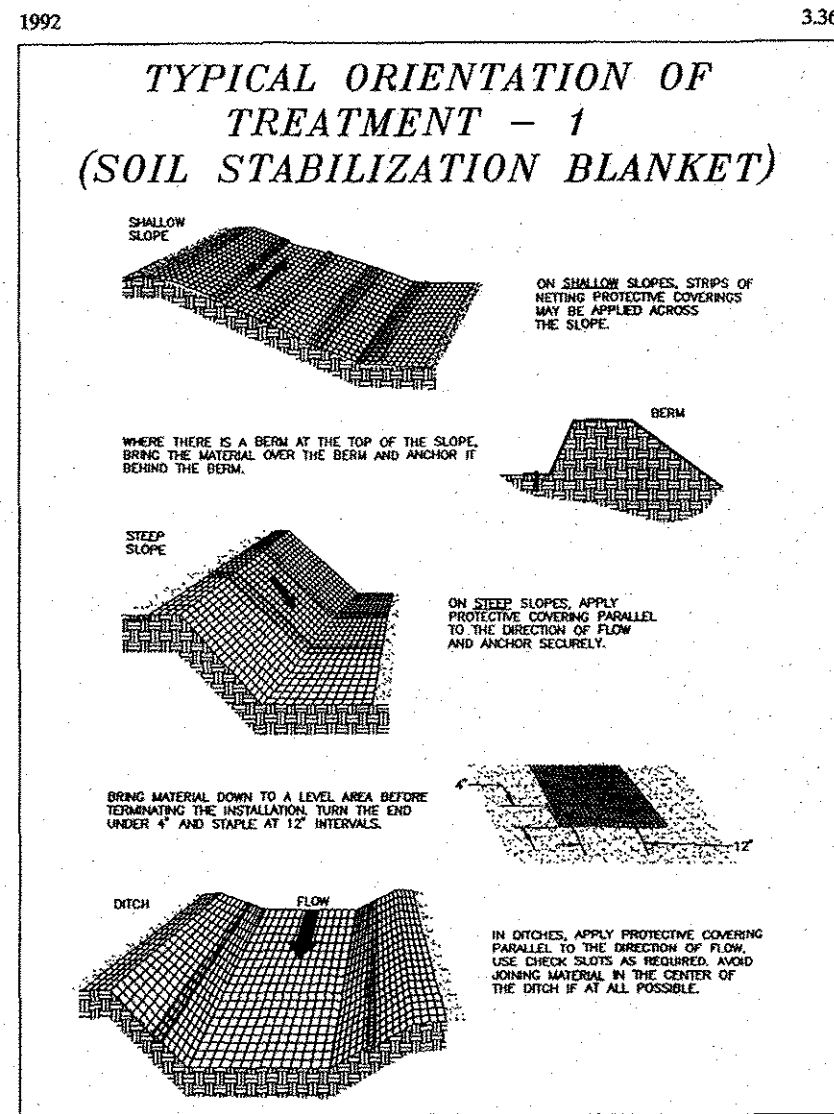
1992 3.32

TABLE 3.32-D
SITE SPECIFIC SEEDING MIXTURES FOR COASTAL PLAIN AREA

	Total Lbs. Per Acre
Minimum Care Lawn	
- Commercial or Residential	
- Kentucky 31 or Turf-Type Tall Fescue	175-200 lbs.
or	
- Common Bermudagrass **	75 lbs.
High-Maintenance Lawn	
- Kentucky 31 or Turf-Type Tall Fescue	200-250 lbs.
or	
- Hybrid Bermudagrass (seed) **	40 lbs. (unhulled)
or	30 lbs. (hulled)
- Hybrid Bermudagrass (by other vegetative establishment method, see Std. & Spec. 3.34)	
General Slope (3:1 or less)	
- Kentucky 31 Fescue	128 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
	150 lbs.
Low Maintenance Slope (Steeper than 3:1)	
- Kentucky 31 Tall Fescue	93-108 lbs.
- Common Bermudagrass **	0-15 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
- Sericea Lespedeza **	150 lbs.

* Use seasonal nurse crop in accordance with seeding dates as stated below:
 February, March through April Annual Rye
 May 1st through August Foxtail Millet
 September, October through November 15th Annual Rye
 November 16th through January Winter Rye

** May through October, use hulled seed. All other seeding periods, use unhulled seed. Weeping Lovegrass may be added to any slope or low-maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.



DETAIL SCALE: NTS **PERMANENT SEEDING** VESCH 3.32

DETAIL SCALE: NTS **TREE PROTECTION** VESCH 3.38

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 July 25, 2019
 at 9:57 AM, PB PG
 Document # 190010655
 MONA A. FOLEY, CLERK
 Clerk

9 Large/Small Plat(s) Recorded
 herewith as # 190010655

Reviewed by: MAM
 Drawn by: JMK
 Project #: VAD164DES
 Date: 6/7/14

THIS PLAN HAS NOT RECEIVED FINAL APPROVAL AND IS NOT APPROVED FOR CONSTRUCTION

Date

Revisions

No.

VIRGINIA

JAMES CITY COUNTY

SITE PLAN OF
 IWO JIMA MEMORIAL PARK
 1620 JAMESTOWN ROAD

8 of 9

Sheet

190010655



FEATURES & SPECIFICATIONS

INTENDED USE

The Harper Landscape Architectural LED Drive-Over Rated Well Light is designed with durable, tempered lens and a silicone sealed gasket to protect from water, moisture, and insects. The Harper is an ideal solution for landscape applications looking for quality and energy efficient lighting.

DETAILS

W 4.875" x L 4.625" x Dia 4.875"
 Construction: Injected Molded Composite for High UV Stability
 Lens: Clear and Heat Resistant Flat Glass Drive-Over Rated for 3,000 lbs
 Socket: Top Grade Adjustable (25°) Ceramic Bi-Pin Socket with Retention Clip and Teflon-Jacketed Wire Lead
 Gasket: Weather Tight Protection
 Mounting: In-Ground Direct Burial or Concrete Encasement
 Lamp: 12V MR16 Halogen 50W Max
 Wiring: 3 FT 18-2 SFT-W Direct Burial Cord
 Electrical: Remote 12V Transformer Required
 Finish: Cast Brass

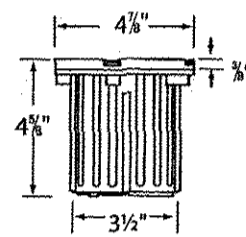
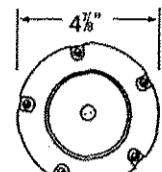
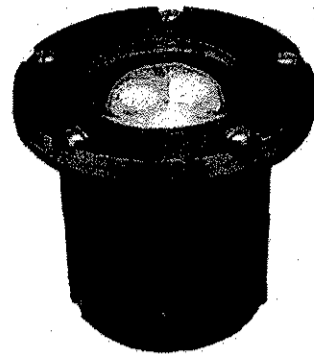
ADDITIONAL FEATURES

Voltage: 9-17V
 Life: 50,000 Hours
 Listings: Limited Lifetime Warranty on Fixture 10 Years Warranty on Housing

Ordering Information:

Example: (9026-CB-3W15)

Model	Wattage	Lumens	Color Temp	Beam
9026-CB	3W15	3.5 watts / 270 lms / 2700K / 15° Spot		
	3W45	3.5 watts / 270 lms / 2700K / 45° Flood		
	3W60	3.5 watts / 270 lms / 2700K / 60° Wide Flood		
	5W15	5 watts / 470 lms / 3000K / 15° Spot		
	5W38	5 watts / 470 lms / 3000K / 38° Flood		
	5W60	5 watts / 470 lms / 3000K / 60° Wide Flood		

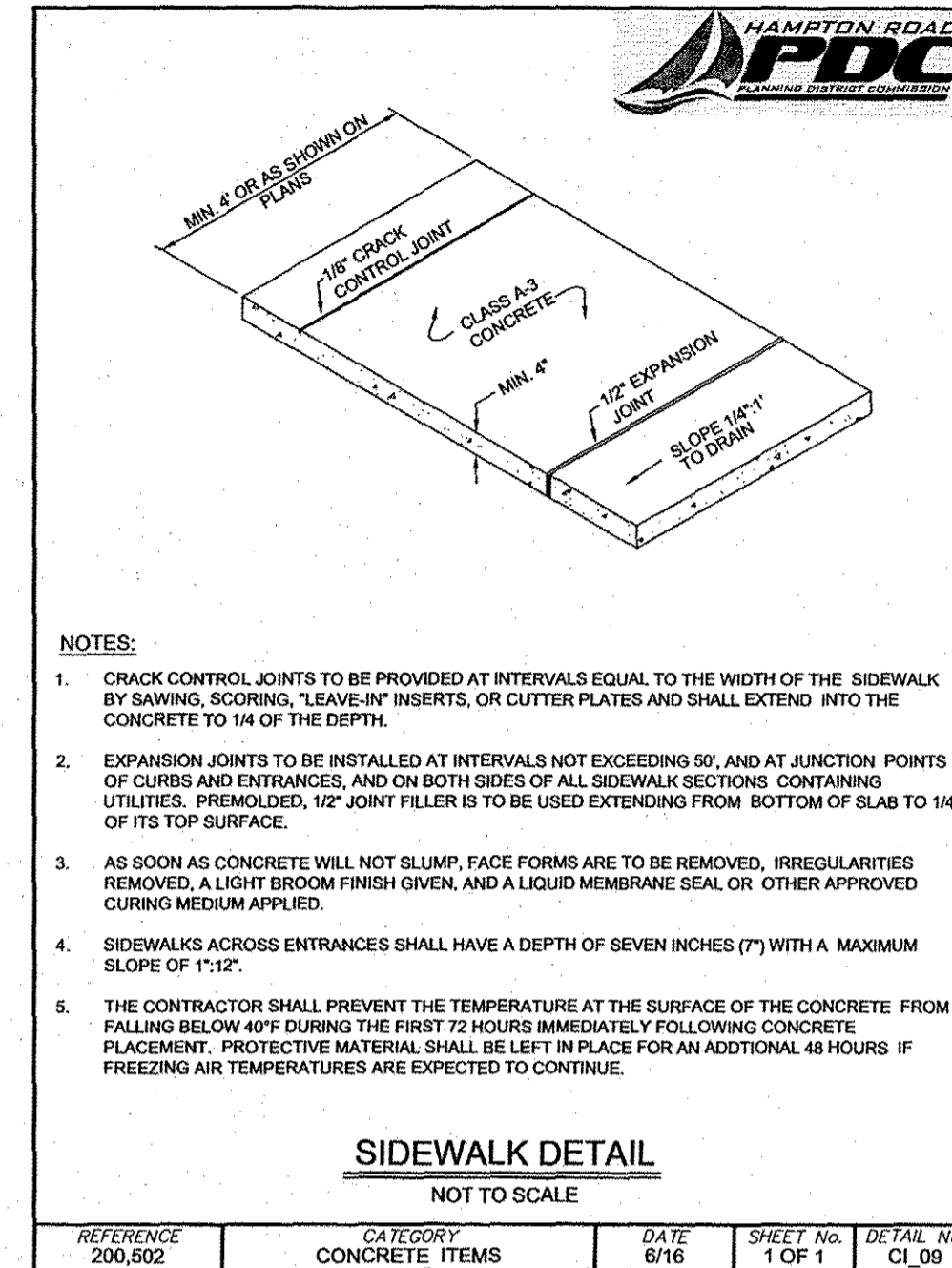
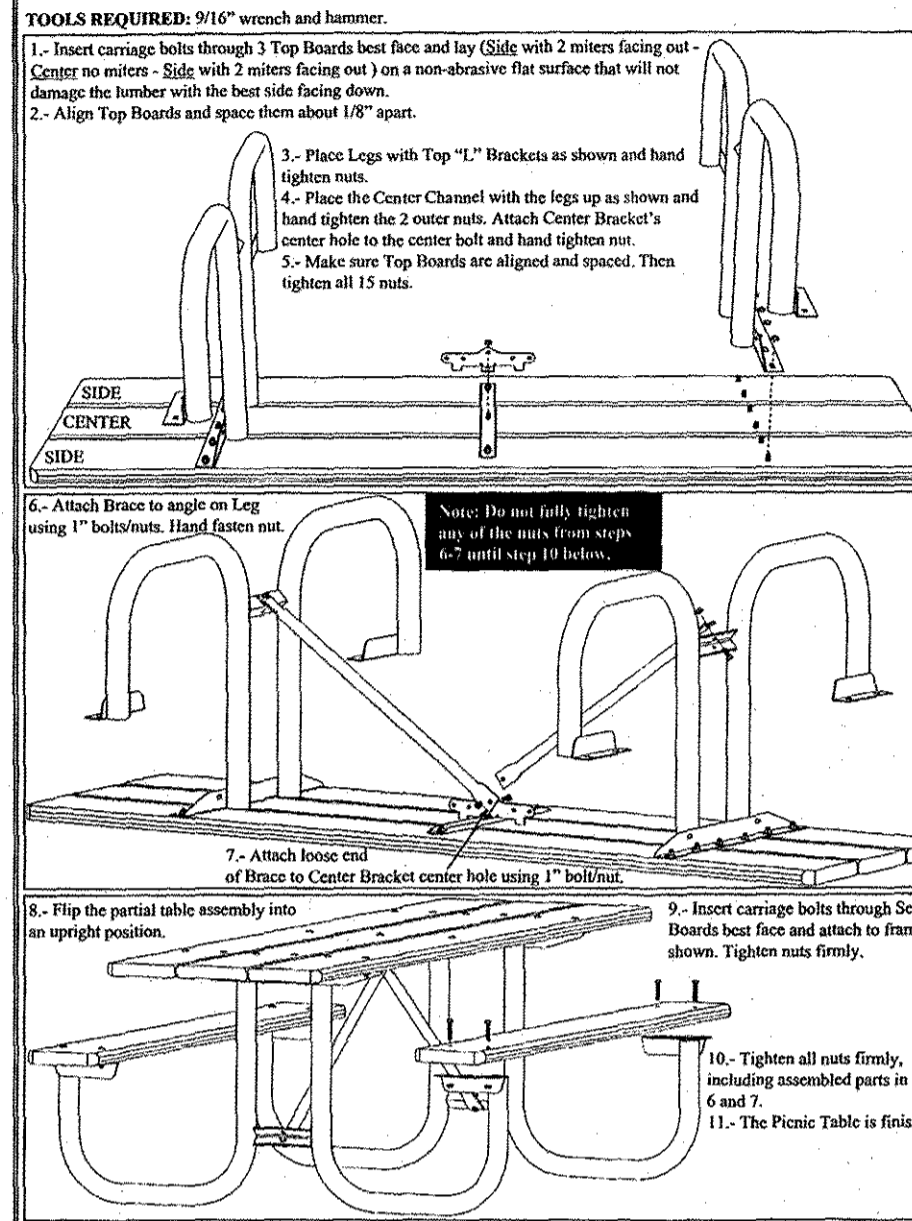


Alcon Lighting 9026-CB Harper Architectural Landscape LED 5 Inch Low Voltage Drive-Over Rated Well Light

SHOP NOW



6' & ADA WOOD PARK MASTER ASSEMBLY INSTRUCTIONS



DETAIL

SCALE: NTS

BELSON GRADE WELL LIGHT

DETAIL

SCALE: NTS

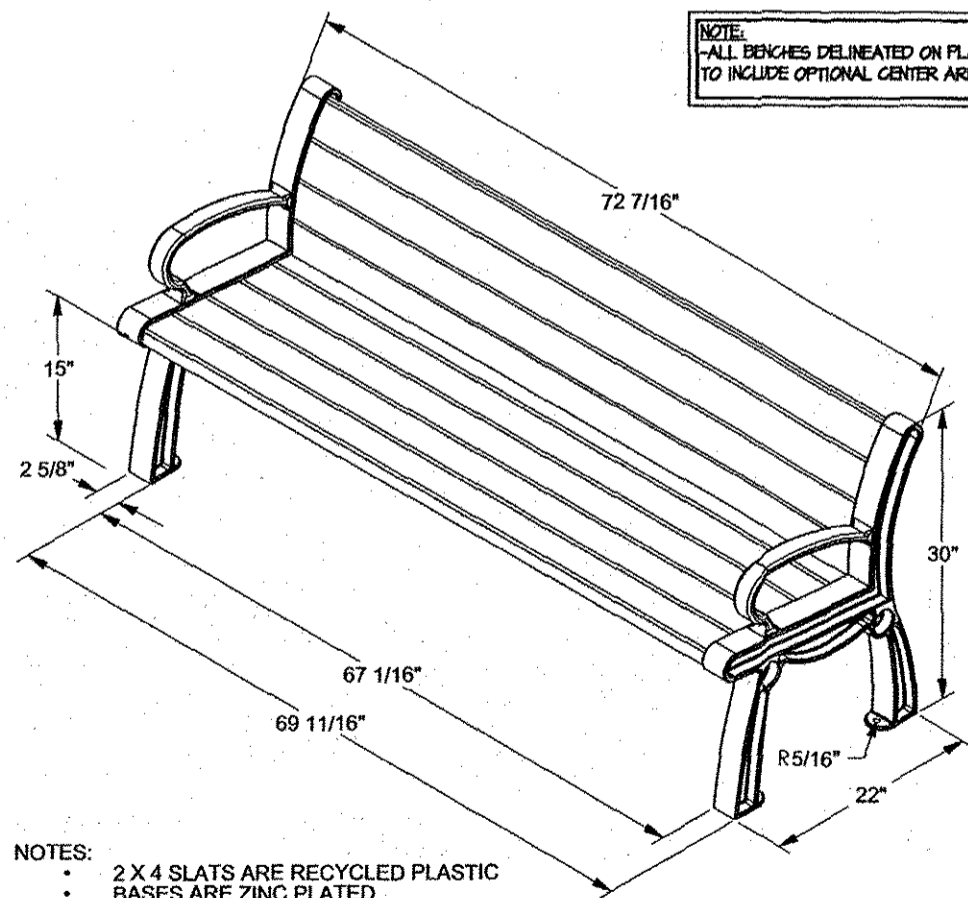
BELSON 6'-0" PARK MASTER PICNIC TABLE

DETAIL

SCALE: NTS

TYPICAL CONCRETE SIDEWALK

6' HERITAGE BENCH

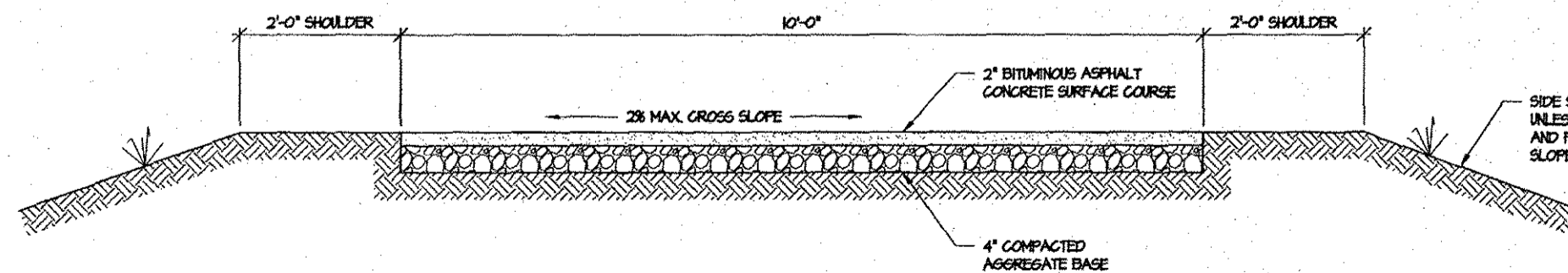


DETAIL

SCALE: NTS

BELSON 6'-0" HERITAGE BENCH

NOTE:
ADA ACCESSIBLE ROUTES SHALL BE GRADEDED TO ENSURE THE RUNNING SLOPE IS NO GREATER THAN 1:20 AND THE CROSS SLOPE NO GREATER THAN 1:48.



DETAIL

SCALE: 3/4" = 1'-0"

TYPICAL MULTI-USE ASPHALT CONCRETE PATH

Sheet: 9 of 9
 PLAN NOTES & DETAILS
 Project #: VAL0848DES
 Drawn by: JMK
 Reviewed by: MAM
 Date: 6/17/18
 No. Revisions

SITE PLAN OF
 IWO JIMA MEMORIAL PARK
 1620 JAMESTOWN ROAD
 VIRGINIA
 JAMES CITY COUNTY

9 of 9

The Structures Group, Inc.
 1800 Old Colony Lane • Williamsburg, VA 23185
 (757)220-0466 • Fax (757)220-1546
 www.thestructuresgroup.com

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City of Williamsburg & County of James City
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