

U.S. HIGHWAY NO. 1 SOUTH
(200' R/W - PAVED)

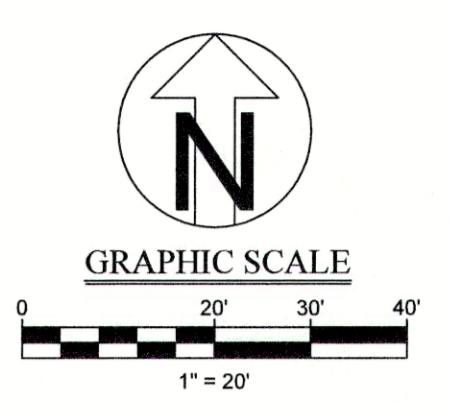
DITCH
 TOB = 28.0 (0.096 Ac.±)
 100yr DHW = 27.44
 25yr DHW = 27.28
 NWL = 26.00
 DITCH BOTTOM = 25.00 (0.011 Ac.±)

SWMF 1
 TOB = 28.0 (0.456 Ac.±)
 100yr DHW = 27.61
 25yr DHW = 27.37
 NWL = 26.00
 POND BOTTOM = 22.0 (0.193 Ac.±)

SITE DATA TABLE		
TOTAL SITE	2.26 AC	98,446 SF
EXISTING IMPERVIOUS AREA		0 SF
PROPOSED IMPERVIOUS AREA		38,441 SF
TOTAL IMPERVIOUS		38,441 SF
TOTAL PERVIOUS		98,446 SF
TOTAL IMPERVIOUS %		39%
TOTAL PERVIOUS %		61%
PROPOSED NWL		14,900 SF
PARCEL NUMBER(S)		1835600037
911 ADDRESS		6710 US HIGHWAY 1 SOUTH
FEMA PANEL NUMBER		12109C0393J
FLOOD ZONE		ZONE X

NOTE :
 THE MASS GRADED AREA WILL BE STABILIZED TO PREVENT EROSION.

- GRADING DETAILS**
- EC2 TYPE III SILT FENCE
 - LD4 TREE PROTECTION DETAIL
 - GD1 MITERED END SECTION
 - GD7 POND CROSS SECTION
 - GD11 DITCH CROSS SECTION
 - GD13 SWALE TO SWMF CROSS SECTION
 - GD25 OUTFALL CONTROL STRUCTURE CS-01 (TYPE E)
 - GD27 EARTHEN WEIR DETAIL
 - GD33 RIP-RAP APRON
- GRADING NOTES**
- G01 MATCH EXISTING GRADE
 - G02 CONTRACTOR TO FILL IN MAXIMUM 1FT LIFTS AND COMPACT TO 95% STANDARDS PROCTOR.
 - G03 DITCH SWALE FLOW LINE RELOCATED AS SHOWN. CONTRACTOR TO ADJUST GRADES TO PROMOTE POSITIVE DRAINAGE AS NEEDED.
 - G04 PIPE TO EXTEND MINIMUM OF 2' INTO POND FROM SLOPE AT INVERT SHOWN.



NO.	DATE	DESCRIPTION
1	6/25/2021	REVISED PER SJC COMMENTS
2	10/13/2021	REVISED PER WMD AND FDOT COMMENTS

DESIGN BY	SRM	DATE	JOB NO.
	SRM	05-28-21	20232

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GRADING AND DRAINAGE PLAN
 6710 US 1 SOUTH
 ST. JOHNS COUNTY
 PREPARED FOR: JERRY SMITH

SHEET NO. **6**
 OF 9

S:\PROJECTS\2020\2022_02_01 US 1 SOUTH\DRAWINGS\CONSTRUCTION DOCUMENTS\2022_02_01 GRADING AND DRAINAGE PLAN\11-GRADING AND DRAINAGE PLAN_11-202202-1211.MXD Matthew's Design Group, Inc.