

OWNER/DEVELOPER



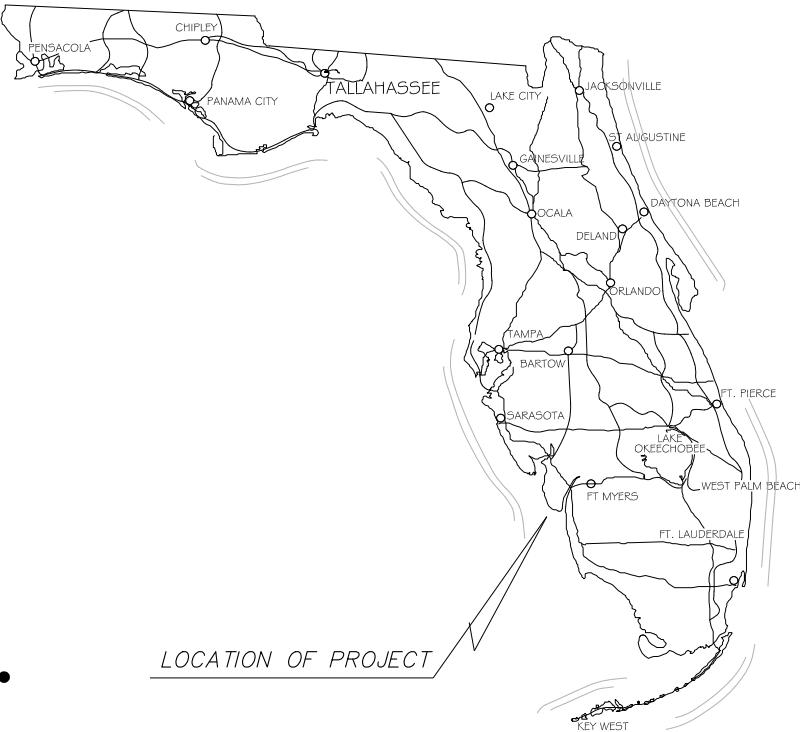
SIZE OF PROJECT

1.40 ACRES

DP-2025-020806
Attachment A - Maintenance
Dredge Plans

CONSTRUCTION PLANS
FOR
SANIBEL SLOUGH

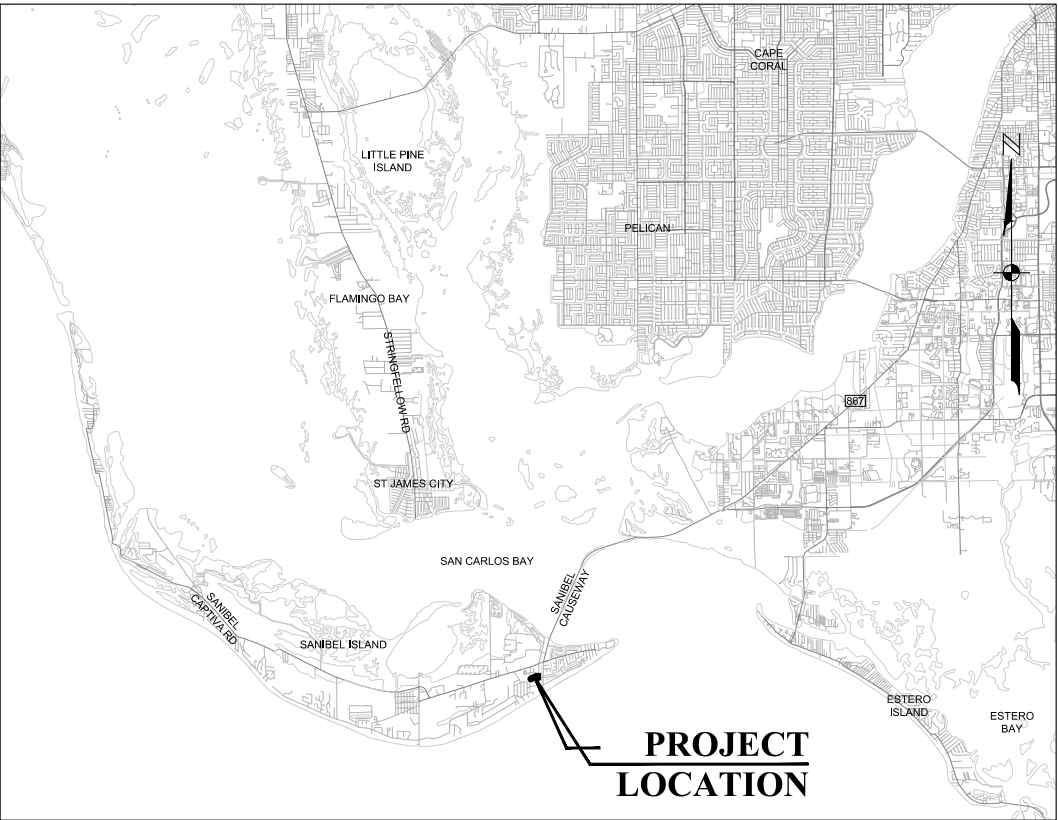
SECTION 02, TOWNSHIP 46 S., RANGE 21 E.
LEE COUNTY, FLORIDA



LOCATION OF PROJECT

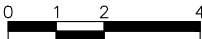
INDEX OF PLANS

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PROJECT
LOCATION

LOCATION MAP



INTENDED DISPLAY SCALE:
(22"x34" PLAN: 1"=2MI)
(11"x17" PLAN: 1"=4MI)

APRIL 2025

NOTICE TO ALL
CONTRACTORS

IT'S THE LAW IN FLORIDA
2 BUSINESS DAYS BEFORE
YOU DIG
CALL SUNSHINE
1-800-432-4770

STATE, COUNTIES & CITIES
ARE "NOT" PART OF THE
ONE CALL SYSTEM. THEY
MUST BE CALLED
INDIVIDUALLY.



JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642

REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 81414




















JORDAN LEVI VARBLE, PE

DATE














ABBREVIATIONS

ACRE
 ALT ALTERNATE
 APPROX. APPROXIMATE
 ASB ASBESTOS
 BENCH MARK
 BLDG BUILDING
 BOT BOTTOM
 CB CATCH BASIN
 CUBIC FEET
 CFM CUBIC FEET PER MINUTE
 CI CAST IRON
 CIP CAST IRON PIPE
 CONSTRUCTION JOINT
 CMP CORRUGATED METAL PIPE
 CO CLEANOUT
 CV CHECK VALVE
 CFC CUBIC FOOT
 CY CUBIC YARD
 C CENTER LINE
 CLKG CAULKING
 CLF CHAIN LINK FENCE
 COL COLUMN, COLOR
 CONC CONCRETE
 CONST CONSTRUCTION
 CONT CONTINUOUS
 CONTR CONTRACTOR
 CTRS CENTERS
 CU COPPER
 CU. IN. CUBIC INCH
 DIAMETER
 DIAG DIAGONAL
 DIM DIMENSION
 DIST. DISTANCE
 DILE DUCTILE IRON PIPE
 DE DRAINAGE EASEMENT
 DWG DRAWING
 E EAST
 EL/ELEV ELEVATION
 EQUIP EQUIPMENT
 ERCP ELLIPTICAL REINFORCED CONCRETE PIPE
 EX EXISTING
 FI FINISHED FLOOR
 FFE FINISHED FLOOR ELEVATION
 FM FORCE MAIN
 FDC FIRE DEPARTMENT CONNECTION
 FDN FOUNDATION
 FINISH
 FRP FIBERGLASS REINFORCED PLASTIC
 FT FEET
 G NATURAL GAS
 GC GENERAL CONTRACTOR
 GALV GALVANIZED IRON
 GPM GALLONS PER MINUTE
 GV GATE VALVE
 GA GAUGE
 GAL GALLON
 GALV GALVANIZED
 GR GRADE
 HDPE HIGH DENSITY POLYETHYLENE
 HRZ HORIZONTAL
 HYD HYDRANT
 INSIDE DIAMETER
 ID IONA DRAINAGE DISTRICT
 INV INVERT
 IRR IRRIGATION
 LAE LAKE ACCESS EASEMENT
 LCUE LEE COUNTY UTILITY EASEMENT
 LF LINEAL FEET
 LME LAKE MAINTENANCE EASEMENT
 LMT LAKE MAINTENANCE TRACT
 MGD MILLION GALLONS PER DAY
 MH MANHOLE
 MECH MECHANICAL
 MAX MAXIMUM
 MECH MECHANICAL
 MES MITERED END SECTION
 MFR MANUFACTURER
 MIN MINIMUM
 MISC MISCELLANEOUS
 N NORTH
 NE NORTHEAST
 NW NORTHWEST
 NPW NON POTABLE WATER
 NTS NOT TO SCALE
 NUM NUMBER
 NOM NOMINAL
 NG NATURAL GAS
 OC ON CENTERS
 OCEW ON CENTER EACH WAY
 OD OUTSIDE DIAMETER
 PCF POUNDS PER CUBIC FOOT
 PSF POUNDS PER SQUARE FOOT
 PV PLUG VALVE
 PSI POUNDS PER SQUARE INCH
 PVC POLYVINYL CHLORIDE
 POLY. PE POLYETHYLENE
 PAVT PAVEMENT
 PC POINT OF CURVATURE
 PGL PROPOSED GRADE LINE
 P PROPERTY LINE
 PLBG PLUMBING
 PLWD PLYWOOD
 POTABLE WATER
 PT POINT OF TANGENCY
 PU PUBLIC UTILITY EASEMENT
 PVI POINT OF VERTICAL INTERSECTION
 QUAN QUANTITY
 R RADIUS
 ROAD
 RCP REINFORCED CONCRETE PIPE
 REQ'D REQUIRED
 RGW RIGHT OF WAY
 RU REUSE LINE
 R/W RIGHT OF WAY
 S SOUTH
 SE SOUTHEAST
 SW SOUTHWEST
 SS SANITARY SEWER
 SAN SANITARY
 SCH SCHEDULE
 SECT SECTION
 SEW SEWER
 SH SHEET
 SPEC SPECIFICATION
 SQ SQUARE
 ST STREET
 STA STATION
 STL STEEL
 STD STANDARD
 SUR SURFACE
 SYM SYMMETRICAL
 TOE TOE OF SLOPE
 TOB TOP OF BANK
 THK THICK
 TEL TELEPHONE
 TEMP TEMPERATURE
 TRANSFORMER
 TYP TYPICAL
 UE UTILITY EASEMENT
 VERT VERTICAL
 W WATER
 WM WATER MAIN
 W WITH
 W/O WITHOUT
 WD WOOD
 WT WEIGHT
 WV WATER VALVE
 WH WALL HYDRANT

SYMBOLS














	GATE VALVE		IRRIGATION SERVICE (DOUBLE)
	TEE ASSEMBLY		IRRIGATION SERVICE (SINGLE)
	REDUCER		SEWER SERVICE (DOUBLE)
	BLOW OFF		SEWER SERVICE (SINGLE)
	FIRE HYDRANT		WATER SERVICE (DOUBLE)
	FIRE HYDRANT ASSEMBLY W/ GATE VALVE		WATER SERVICE (SINGLE)
	MITERED END SECTION		HEADWALL
	MANHOLE W/ NUMBER		DRAINAGE INLET (SEE PLAN FOR TYPES)
	PLUG VALVE		THROAT INLET
			FLARED END SECTION

HATCH PATTERNS

	WETLAND		EXISTING LAKE TO BE FILLED
	UPLAND BUFFER		PROPOSED LAKE
	UPLAND PRESERVE		LITORAL SHELF AREA
	INDIGENOUS AREA		COMPENSATING LITTORAL PLANTING AREA
	NATURAL AREA		RIPRAP / GRAVEL
	FILTER MARSH		BRICK PAVERS
	EXISTING LAKE	<p>NOTE: HATCH PATTERNS ARE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL HATCH PATTERNS ON DRAWING MAY VARY IN SCALE & ANGLE.</p>	

NOTE:
HATCH PATTERNS ARE FOR ILLUSTRATIVE PURPOSES
ONLY, ACTUAL HATCH PATTERNS ON DRAWING MAY
VARY IN SCALE & ANGLE

LINETYPES

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	_____	_____
CENTER LINE	_____	_____
LAKE MAINTENANCE EASEMENT	_____	_____
PUBLIC UTILITY EASEMENT	_____	_____
DRAINAGE EASEMENT	_____	_____
WETLAND BOUNDARY	_____	_____
FORCE MAIN	_____ FM	_____ FM
SANITARY SEWER	_____ SS	_____ SS
WATER MAIN	_____ WM	_____ WM
IRRIGATION MAIN	_____ IRR	_____ IRR
RE-USE MAIN	_____ RU	_____ RU
PERIMETER BERM	> > >	> > > > > >
FENCE LINE	X X X	X X X X X X
SILT FENCE	  	     
BULKHEAD		
STRUCTURAL BUFFER		

GENERAL NOTES:

- ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) WHICH LIES 1.17 FEET ABOVE THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) AT THIS LOCATION.
2. THE GENERAL NOTES MUST BE PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN AND MUST BE REFERRED TO BY THE CONTRACTOR. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL THE GENERAL NOTES AND ALL OF THE PLANS SPECIFICATION NOTES.
 3. CONTRACTOR MUST VERIFY ALL DIMENSIONS INCLUDED WITHIN THE PLAN SET AND SHOULD NOT SCALE OFF THE DRAWINGS DUE TO POTENTIAL PRINTING INACCURACIES. ALL DIMENSIONS ARE TO BE CHECKED AND CONFIRMED BY THE GENERAL CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF PARTS AND MATERIALS AND START OF SITE WORK.
 4. JOHNSON ENGINEERING, LLC. IS NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL LEGAL OR OTHER RESPONSIBILITIES FOR JOB SITE SAFETY, JOB SITE SUPERVISION, OR ANYTHING RELATED TO THE SAME. JOHNSON ENGINEERING, LLC. IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES OR ANY JOB SITE CONDITIONS, AT ANY TIME.
 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS (LATEST EDITION), LEE COUNTY DEVELOPMENT STANDARDS AND SPECIFICATIONS AND SANIBEL UTILITIES REQUIREMENTS.
 6. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ANY PERMITS NECESSARY FOR CONSTRUCTION.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED DEWATERING PERMITS.
 8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED VEGETATION REMOVAL PERMITS.
 9. THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.
 10. THIS PROJECT WILL NOT ADVERSELY IMPACT ANY SURFACE WATER OR GROUNDWATER.
 11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 102-100 THRU 102-670, OR THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), (LATEST EDITION).
 12. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
 13. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
 14. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE OWNER/ENGINEER WITHOUT DELAY.
 15. THE LOCATION OF EXISTING UTILITIES, PAVEMENT, VEGETATION, AND MISCELLANEOUS IMPROVEMENTS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
 16. CONTRACTOR SHALL NOTIFY THE CITY AND ENGINEER A MINIMUM OF 72 HOURS PRIOR TO ALL REQUIRED INSPECTIONS.
 17. CONTRACTOR TO PROVIDE SILT FENCE AND OTHER APPROPRIATE MEASURES TO AFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOLLS HAVE BEEN STABILIZED WITH GRASS (FOR EXISTING GRASS AREAS), MANGROVE TREES (FOR EXISTING MANGROVE AREAS), OR SUITABLE EROSION PROTECTION TREATMENT.
 18. DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.
 19. CONTRACTOR SHALL USE DESIGNATED CONSTRUCTION ENTRANCES AND STAGING AREAS FOR EMPLOYEES AND DELIVERY OF MATERIALS.
 20. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS AS SHOWN ON THE PLANS. ACTUAL LIMITS OF CLEARING MAYBE ADJUSTED IN THE FIELD BY OWNER OR ENGINEER.
 21. CONTRACTOR SHALL REMOVE ALL MUCK AND OTHER UNSUITABLE MATERIAL AS SHOWN ON THE PLANS. ALL MUCK AND OTHER WASTE MATERIAL EXCAVATED SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATION.
 22. CONTRACTOR SHALL PROMPTLY REPORT ALL FIELD CHANGES TO THE ENGINEER.
 23. EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION, AT NO ADDITIONAL COST TO OWNER.
 24. ALL UNPAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDENED UNLESS NOTED OTHERWISE.

GENERAL NOTES (CONTINUED)

24. THE CONTRACTOR SHALL SUBMIT A BATHYMETRIC SURVEY ON A FINAL SET OF RECORDED DRAWINGS WHICH SHALL BE DELIVERED TO THE ENGINEER.
25. THE CONTRACTOR SHALL ASSURE COMPLIANCE WITH ANY OSHA, EPA, AND/OR OTHER FEDERAL OR STATE OF FLORIDA RULES, REGULATIONS OR OTHER REQUIREMENTS, AS EACH MAY APPLY.

SITE DEMOLITION

1. ANY SITE DEMOLITION IS BASED ON AVAILABLE INFORMATION PROVIDED TO ENGINEER AND MAY NOT COVER ALL ASPECTS OF THE PROJECT, INCLUDING BUT NOT LIMITED TO IRRIGATION LINES/SERVICES AND ELECTRICAL SERVICES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COVER ALL EXISTING INFRASTRUCTURE TO BE REMOVED IN THEIR DEMOLITION BUDGET.

EXISTING UTILITY NOTE

1. CONTRACTOR TO CONTACT "SUNSHINE 811" FOR LOCATES TWO BUSINESS DAYS BEFORE YOU DIG, 1-800-432-4770. STATE, COUNTIES, AND CITIES ARE NOT PART OF THE ONE CALL SYSTEM, THEY MUST BE CALLED INDIVIDUALLY.

ACCESSIBILITY DESIGN GUIDELINES:

1. ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM THE MOST STRINGENT OF:
(A) THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 ET SEQ. AND 42 U.S.C. § 4151 ET SEQ.); AND
(B) ANY APPLICABLE LOCAL AND STATE GUIDELINES, AND ANY AND ALL AMENDMENTS TO BOTH, WHICH ARE IN EFFECT AT THE TIME OF CONSTRUCTION.

FLORIDA DEPARTMENT
OF TRANSPORTATION
STANDARD DETAIL NOTES

1. ALL REFERENCES TO FLORIDA DEPARTMENT OF TRANSPORTATION
STANDARD PLANS ARE (LATEST EDITION).

JOHNSON
ENGINEERING
— An Apex Company —

JOHNSON ENGINEERING, LLC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.R. #642 & L.B. #642



SANIBEL SLOUGH
LEE COUNTY, FLORIDA

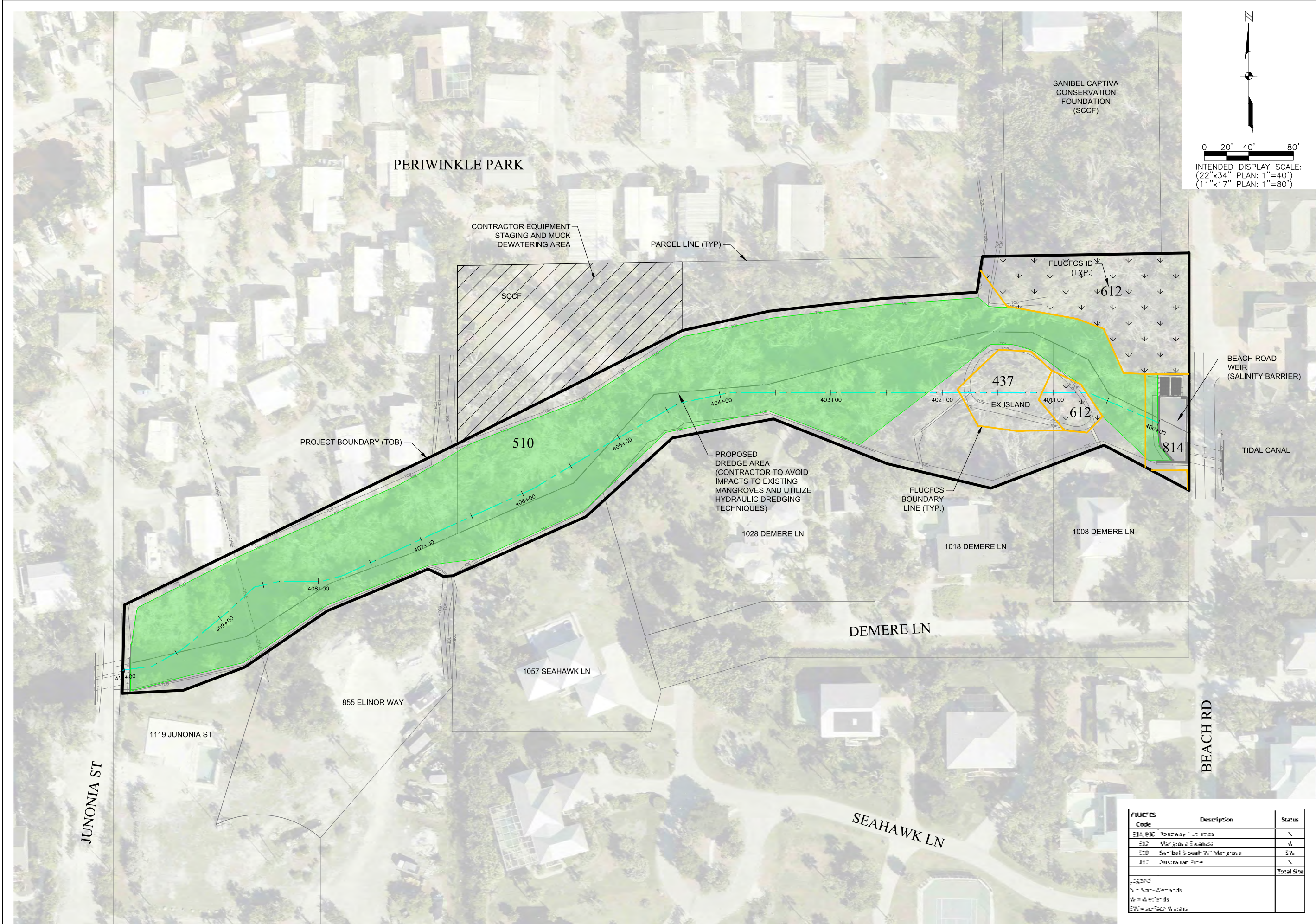
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DATE:	APRIL 2025
PROJECT NO.	20214111-009
FILE NO.	02-46-21
SCALE:	AS SHOWN

GENERAL NOTES & ABBREVIATIONS

SHEET NUMBER

C02



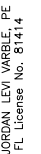
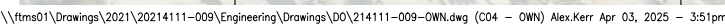
SANIBEL SLOUGH
LEE COUNTY, FLORIDA

NO.	REVISIONS	DESCRIPTION	DATE

DATE: APRIL 2025
PROJECT NO. 20214111-009
FILE NO. 02-46-21
SCALE: AS SHOWN

MASTER SITE PLAN
WITH FLUCFCS

FLUCFCS Code	Description	Status
510	Sanibel Slough W/ Mangrove	W
612	Sanibel Slough W/ Mangrove	W
437	Sanibel Slough W/ Mangrove	W
814	Sanibel Slough W/ Mangrove	W
Total Size		



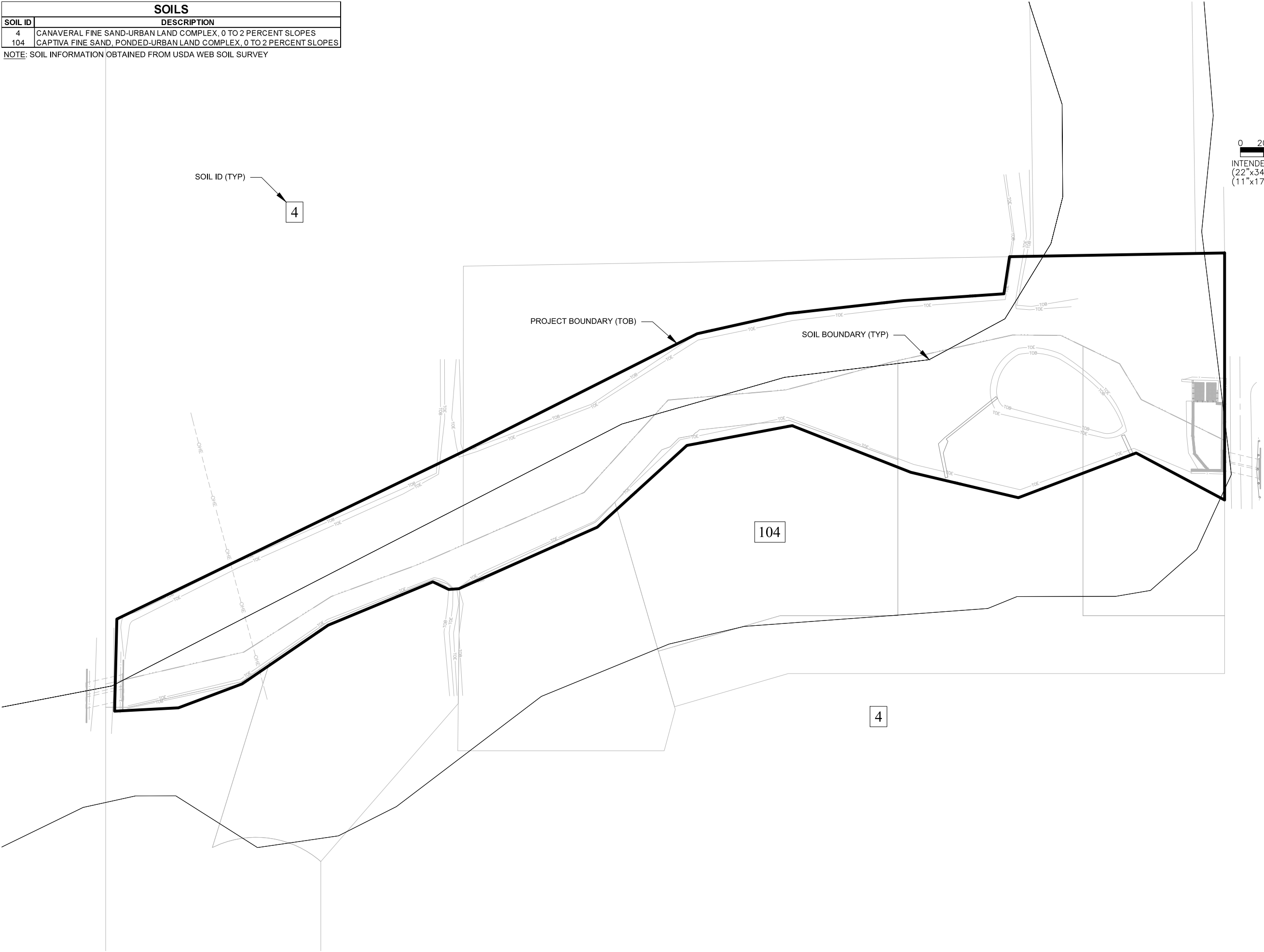
OWNERSHIP MAP

SHEET NUMBER

C04

SOILS	
SOIL ID	DESCRIPTION
4	CANAVERAL FINE SAND-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES
104	CAPTIVA FINE SAND, PONDED-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

NOTE: SOIL INFORMATION OBTAINED FROM USDA WEB SOIL SURVEY



SANIBEL SLOUGH
LEE COUNTY, FLORIDA

NO.	REVISIONS DESCRIPTION	DATE

DATE: APRIL 2025
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SCALE: AS SHOWN

SOILS MAP

SHEET NUMBER

C08



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LEE COUNTY, FLORIDA

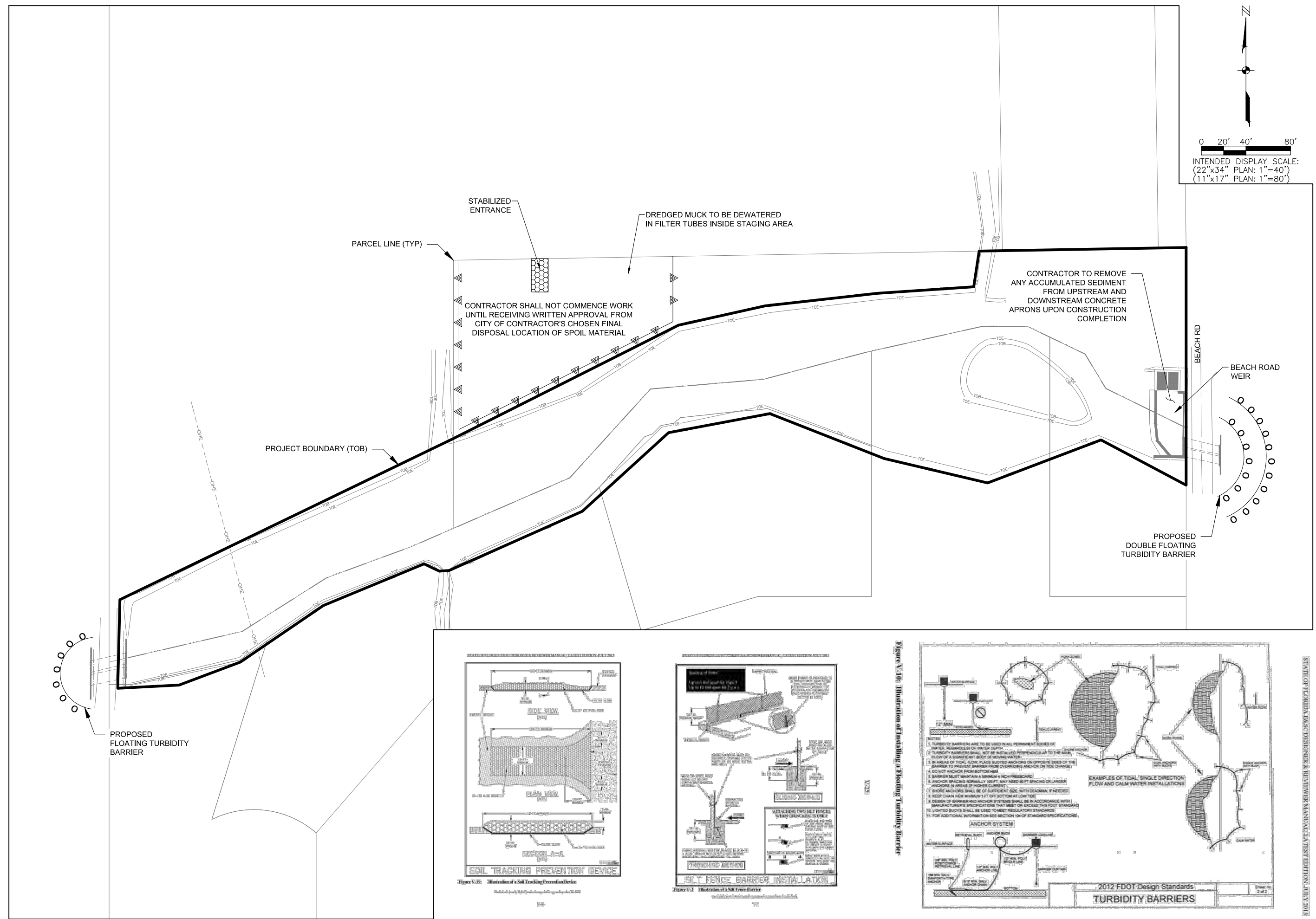
REVISIONS		
NO.	DESCRIPTION	DATE

DATE: APRIL 2025
PROJECT NO. 20214111-009
FILE NO. 02-46-21
SCALE: AS SHOWN

EROSION CONTROL PLAN

SHEET NUMBER

C09





SANIBEL SLOUGH
LEE COUNTY, FLORIDA

[illegible]

DATE:	APRIL 2025
PROJECT NO.	20214111-009
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SCALE:	AS SHOWN

SECTIONS

SHEET NUMBER

C10

