

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

NORTHERN COASTAL BASIN

INDIAN LAKE ROAD CONCRETE WORK

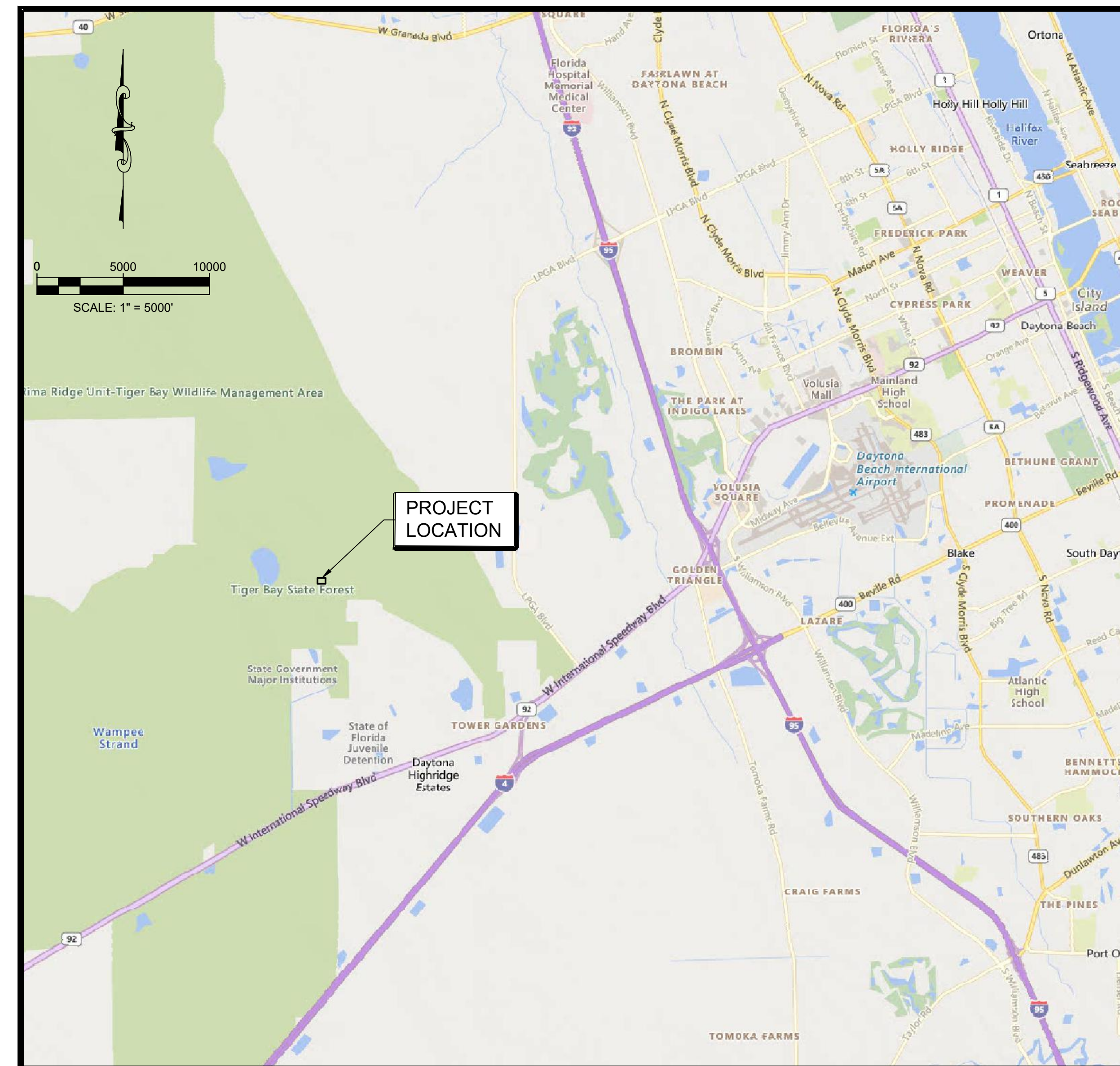
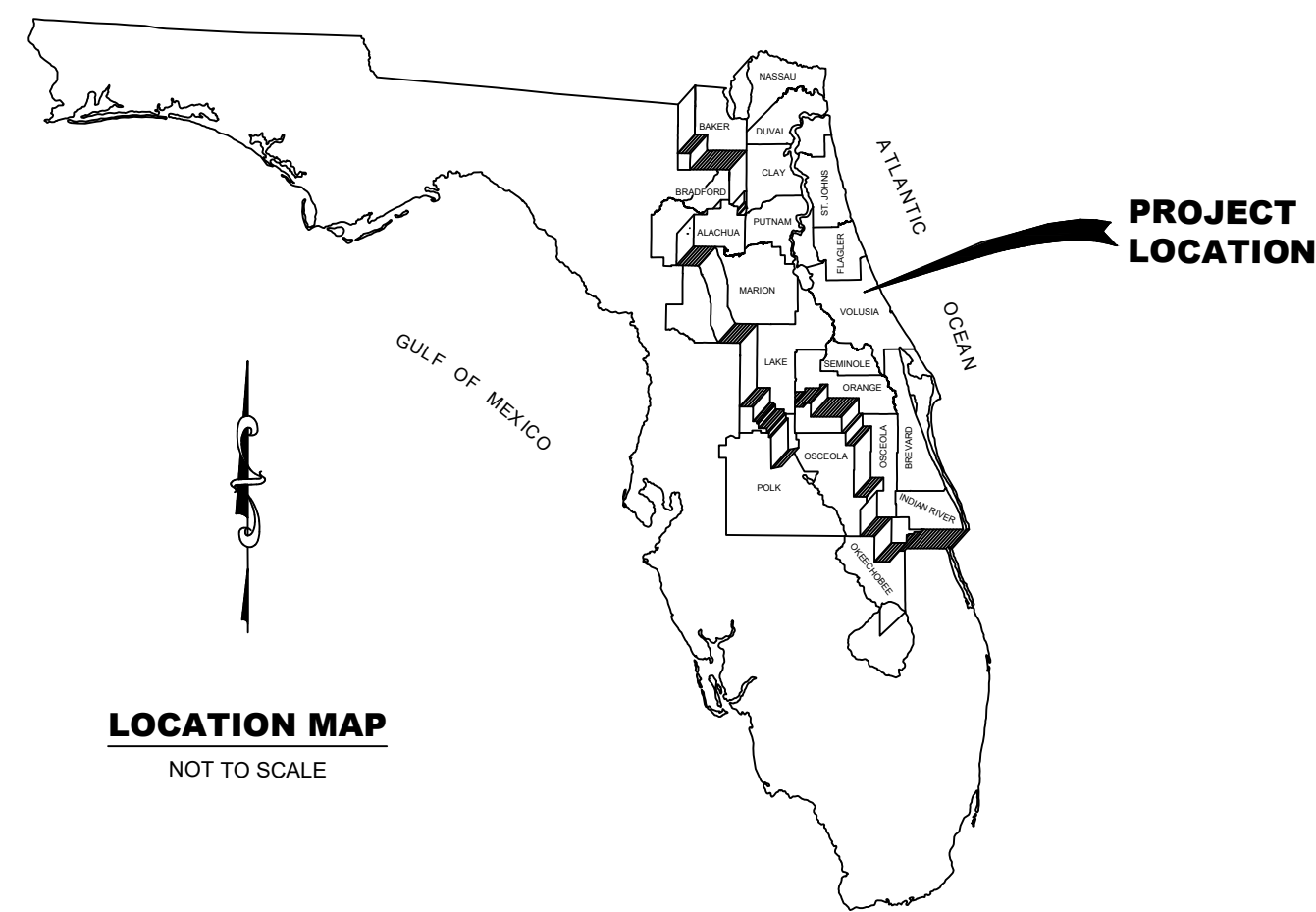
VOLUSIA COUNTY, FLORIDA



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C5	PLAN & PROFILE STA. 4+50 TO 7+45

PROJECT INFORMATION		
1.	NAME OF PROJECT:	INDIAN LAKE ROAD MAINTENANCE AND REPAIRS
2.	PROJECT DESCRIPTION:	REPAIR AND MAINTENANCE OF INDIAN LAKE ROAD DUE TO EROSION
3.	SECTION/TOWNSHIP/RANGE:	25/15/31
4.	PARCEL NUMBER:	512500000010
5.	PROJECT ADDRESS:	850 INDIAN LAKE RD, DAYTONA BEACH, FL 32124

CONTACT INFORMATION		
1.	PROPERTY OWNER:	ST JOHNS RIVER WATER MANAGEMENT DISTRICT PO BOX 1429 PALATKA, FL 32178-1429 386-329-4500
2.	ENGINEER:	ST JOHNS RIVER WATER MANAGEMENT DISTRICT PO BOX 1429 PALATKA, FL 32178-1429 386-329-4500 CONTACT: CAITLYN DRANE, PE
3.	SURVEYOR:	ST JOHNS RIVER WATER MANAGEMENT DISTRICT PO BOX 1429 PALATKA, FL 32178-1429 386-329-4500 CONTACT: RICHARD GUILFOYLE, PSM



- ENGINEER'S NOTES:**
- THESE DRAWINGS ARE PREPARED FOR THE SOLE AND EXCLUSIVE USE OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL.
 - REPRODUCTIONS OF THESE DRAWINGS ARE "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED ENGINEER."
 - THIS DOCUMENT INCLUDES MATERIALS THAT ARE EXEMPT FROM DISCLOSURE UNDER SECTION 119.071(3)(B), FLORIDA STATUTES, WHICH APPLIES TO, AMONG OTHERS, BUILDING PLANS, BLUEPRINTS, SCHEMATIC DRAWINGS, AND DIAGRAMS THAT DEPICT THE INTERNAL LAYOUT AND STRUCTURAL ELEMENTS OF A BUILDING, WATER TREATMENT FACILITY, OR OTHER STRUCTURE OWNED OR OPERATED BY THE DISTRICT. PURSUANT TO SECTION 119.071(3)(B)4, PLEASE HELP THE DISTRICT MAINTAIN THE EXEMPT STATUS OF THIS DOCUMENT BY NOT MAKING IT AVAILABLE TO THE PUBLIC.

**ALWAYS CALL
BEFORE YOU
DIG**



NAVD 1988
ALL ELEVATIONS DEPICTED HEREIN REFERENCE
NAVD 1988 UNLESS OTHERWISE NOTED.

**FOR BID PURPOSES ONLY
NOT FOR CONSTRUCTION**

CERTIFICATION: CAITLYN O. DRANE P.E. NUMBER: 85256 DATE: 06/26/24	DRAWING FILENAME: COVER SHEET.dwg SHEET: C1
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NO.	REVISION	BY	DATE	APPROVED	DATE
1	BID SET		06/26/24		06/26/24

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE CONTRACT DOCUMENTS, SCOPE OF WORK, LOCAL CONDITIONS, ALL FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS THAT MAY AFFECT THE WORK. THE CONTRACTOR SHALL PROVIDE A GANTT CHART SCHEDULE FOR ALL THE PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.
2. THE EXISTING CONDITIONS REPRESENTED IN THESE DRAWINGS ARE BELIEVED TO BE ACCURATE ACCORDING TO THE INFORMATION AVAILABLE TO THE DISTRICT. HOWEVER, IT IS THE SOLE RESPONSIBILITY OF THE BIDDER (CONTRACTOR) TO VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE DISTRICT PRIOR TO SUBMITTAL OF THE BID.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, LEVEES, ROADS, UTILITIES, AND OTHER IMPROVEMENTS FROM DAMAGE WHETHER OR NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROTECTION METHODS, COORDINATION WITH OWNERS AND REPAIRS TO UTILITIES AND OTHER SITE IMPROVEMENTS DAMAGED DURING CONSTRUCTION. ADDITIONALLY, THE WORK WILL BE CONSIDERED COMPLETE ONLY AFTER ALL RUBBISH AND UNUSED MATERIAL DUE TO OR CONNECTED WITH THE WORK HAS BEEN REMOVED AND THE PREMISES LEFT IN A CONDITION SATISFACTORY TO THE DISTRICT.
5. ALL PROPERTY DISTURBED OR DAMAGED DURING THE WORK SHALL BE RESTORED TO ITS FORMER CONDITION OR BETTER CONDITION AT NO ADDITIONAL EXPENSE TO THE DISTRICT.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION/REQUIREMENTS.
7. THE CONTRACTOR SHALL CONDUCT ALL CONSTRUCTION OPERATIONS IN A MANNER WHICH DOES NOT CAUSE VIOLATIONS OF STATE WATER QUALITY STANDARDS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, TURBIDITY BARRIER, ETC.) AS REQUIRED FOR COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.
8. CONTRACTORS BID AND SCHEDULE SHALL INCLUDE DOWNTIME AS A RESULT OF NORMAL SEASONAL RAINFALL CONDITIONS, AND ONLY TIME EXTENSIONS WILL BE CONSIDERED AS A RESULT OF EXTREME WEATHER EVENTS.
9. THE CONTRACTOR SHALL NOTIFY THE DISTRICT PROJECT MANAGER A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
10. CONSTRUCTION INSPECTION WILL BE PERFORMED BY THE DISTRICT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST 48 HOURS PRIOR TO THE REQUIRED TIME OF INSPECTION FOR EACH AND EVERY PHASE OF WORK.
11. THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF CONTRACT DOCUMENTS INCLUDING DRAWINGS AND SPECIFICATIONS AT THE JOB SITE CLEARLY MARKED TO REFLECT ALL AS-BUILT CONDITIONS. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT THESE ANNOTATED DRAWINGS AND SPECIFICATIONS TO THE DISTRICT.
12. TRAFFIC CONTROL / ROADWAY CLOSURE WILL BE COMPLETED BY OTHERS.

EROSION AND SEDIMENT CONTROL (BY OTHERS):

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL WORK AT COMPLETION OF CONSTRUCTION.
2. ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
3. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 8 INCHES. THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
4. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
5. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
6. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND GRASSED.
7. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS, PERMITS, AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT CRITERIA.
8. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (LATEST EDITION).
9. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, WATERED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. GRASSING SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 570 AND 981 THRU 983 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITIONS). NOTE THAT OTHER GRASSING ALTERNATIVES MAY BE USED WITH PRIOR DISTRICT APPROVAL.

CONCRETE NOTES:

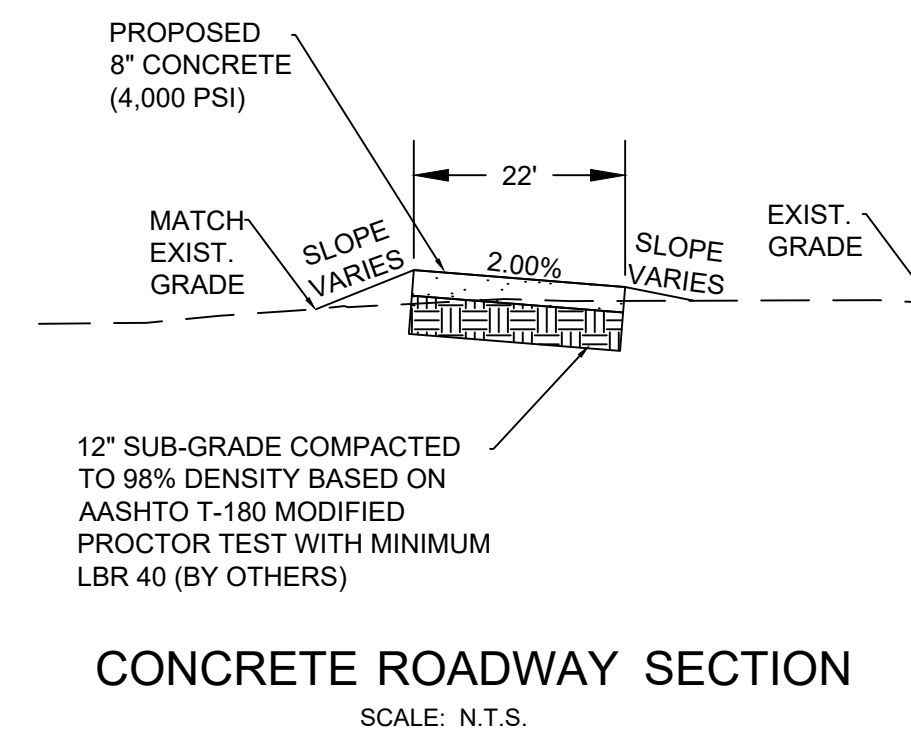
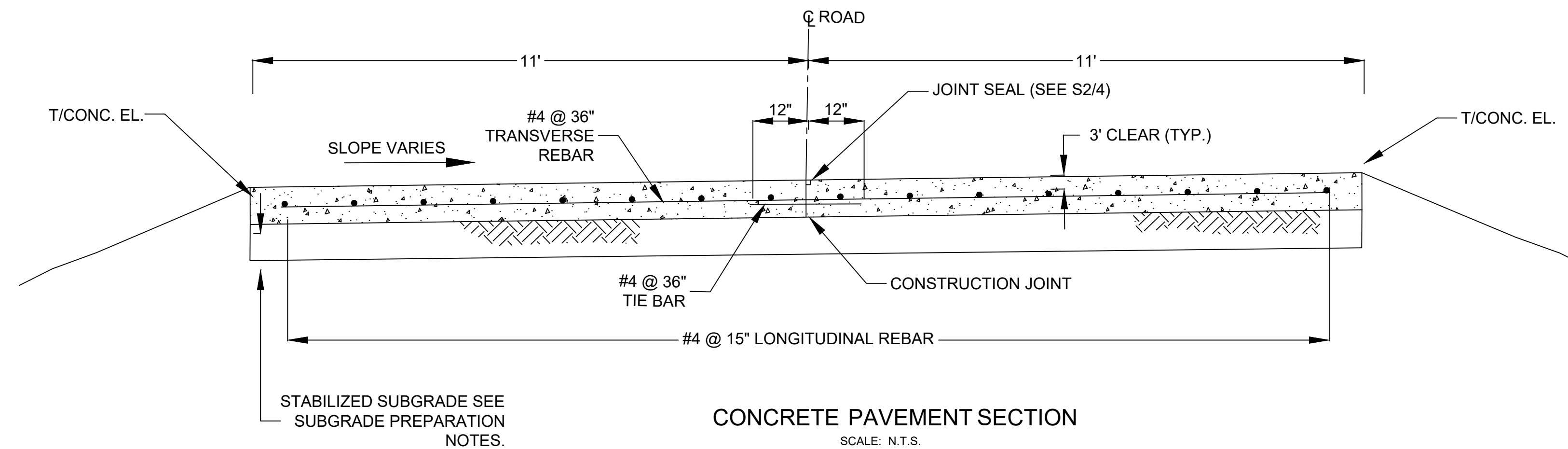
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, UNLESS OTHERWISE NOTED. PERTINENT FDOT MATERIAL SPECIFICATION SECTIONS INCLUDE THE FOLLOWING:
SECTION 346 - PORTLAND CEMENT CONCRETE
SECTION 350 - CEMENT CONCRETE PAVEMENT
SECTION 415 - REINFORCING STEEL
SECTION 925 - CURING MATERIALS FOR CONCRETE
2. ALL CONCRETE SHALL ATTAIN A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. PORTLAND CEMENT SHALL BE TYPE II IN ACCORDANCE WITH ASTM C-150. CONCRETE SHALL BE AIR ENTRAINED WITH TOTAL AIR AS PERCENT BY VOLUME OF CONCRETE EQUAL TO 4%. THE AIR ENTRAINING ADMIXTURE SHALL BE MICRO AIR, AS MANUFACTURED BY MASTER BUILDERS, OR EQUAL, CONFORMING TO ASTM C-260. THE AGGREGATES SHALL CONFORM TO ASTM C-33 AND SHALL HAVE A 3/4-INCH MAXIMUM SIZE.
3. REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BILLET STEEL BARS CONFORMING TO ASTM A-615.
4. THE MINIMUM CLEAR CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES EXCEPT WHERE CAST AGAINST EARTH THE MINIMUM CLEAR COVER SHALL BE 3.5 INCHES.
5. REINFORCEMENT SPLICES WHERE THE LENGTHS ARE NOT INDICATED SHALL BE AS FOLLOWS:

BAR SIZE	SPLICE LENGTH (IN)
#4	24
6. THE CONTROL JOINTS SHALL BE EXTENDED AS IS CURRENTLY CONSTRUCTED.
7. TESTING:

TESTING LABORATORY: CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING LABORATORY TO FUNCTION AS ITS REPRESENTATIVE IN THE SAMPLING AND TESTING OF CONCRETE FURNISHED. THE LABORATORY'S INSPECTORS SHALL HAVE FREE ACCESS TO ALL POINTS WHERE CONCRETE MATERIALS ARE STORED, PROPORTIONED, MIXED, OR PLACED.

TESTING FREQUENCY: FOR EACH 100 CY OF POURED CONCRETE THE LABORATORY SHALL TAKE A SAMPLE FROM A BATCH OF ITS SELECTION AS THE CONCRETE IS BEING PLACED. NO WATER SHALL BE ADDED, OR OTHER CHANGE MADE IN ANY BATCH AFTER IT HAS BEEN SAMPLED. IN ADDITION TO OTHER TESTS, THE LABORATORY WILL MAKE A SET OF THREE (3) STANDARD COMPRESSION CYLINDERS FROM EACH SAMPLE, ONE (1) OF WHICH WILL BE TESTED AT SEVEN (7) DAYS AND TWO (2) TESTS AT TWENTY-EIGHT (28) DAYS. CONTRACTOR WILL BE FURNISHED WITH A REPORT OF EACH TEST MADE.

COMPRESSION STRENGTH OF A SAMPLE SHALL BE DETERMINED BY THE AVERAGE OF THE TWO (2) CYLINDERS TESTED AT TWENTY-EIGHT (28) DAYS. COMPLIANCE WITH THE STRENGTH REQUIREMENTS OF THESE SPECIFICATIONS SHALL BE VERIFIED IF THE STRENGTH TEST RESULT DOES NOT FALL BELOW THE SPECIFIED STRENGTH BY MORE THAN FIVE HUNDRED (500) PSI. CONCRETE WHICH FAILS TO MEET STRENGTH REQUIREMENTS MAY BE FURTHER TESTED AS PROVIDED IN ACI 318 AT THE EXPENSE OF CONTRACTOR OR SHALL BE REMOVED AS DETERMINED BY DISTRICT'S PROJECT MANAGER.



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1	BID SET	C.O.D.	06/26/24	C.O.D.	06/26/24

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INDIAN LAKE ROAD CONCRETE WORK
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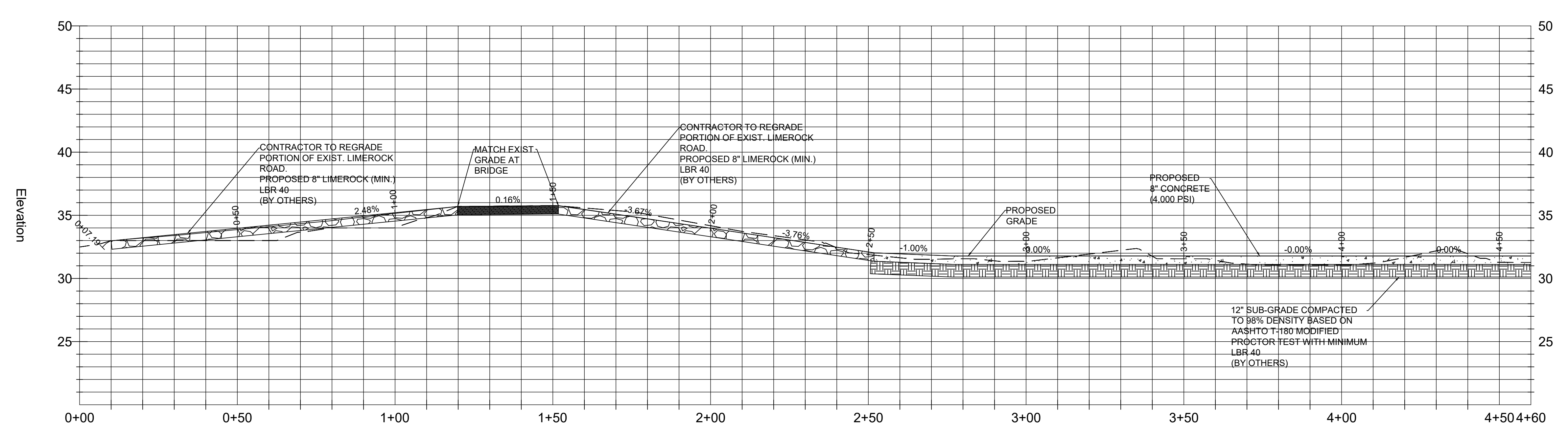
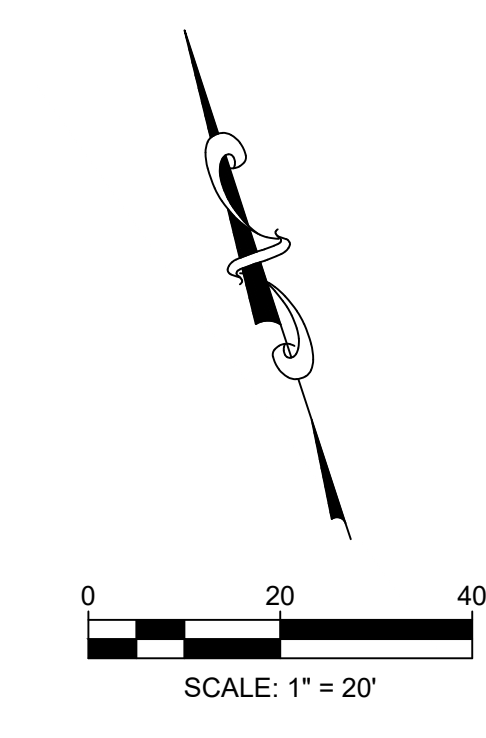
ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: J.C.H. DATE: 06/26/24 REVIEWER: A.P.W.
SCALE: N/A DESIGNER: C.O.D. SECTION CHIEF: W.R.C.

NOTES AND DETAILS

CERTIFICATION:
CAITLYN O. DRANE
P. E. NUMBER: 85256
DATE:


FILE NAME:
Indian Lake Road M&R.dwg
PROJECT NO.:
SHEET:
C2



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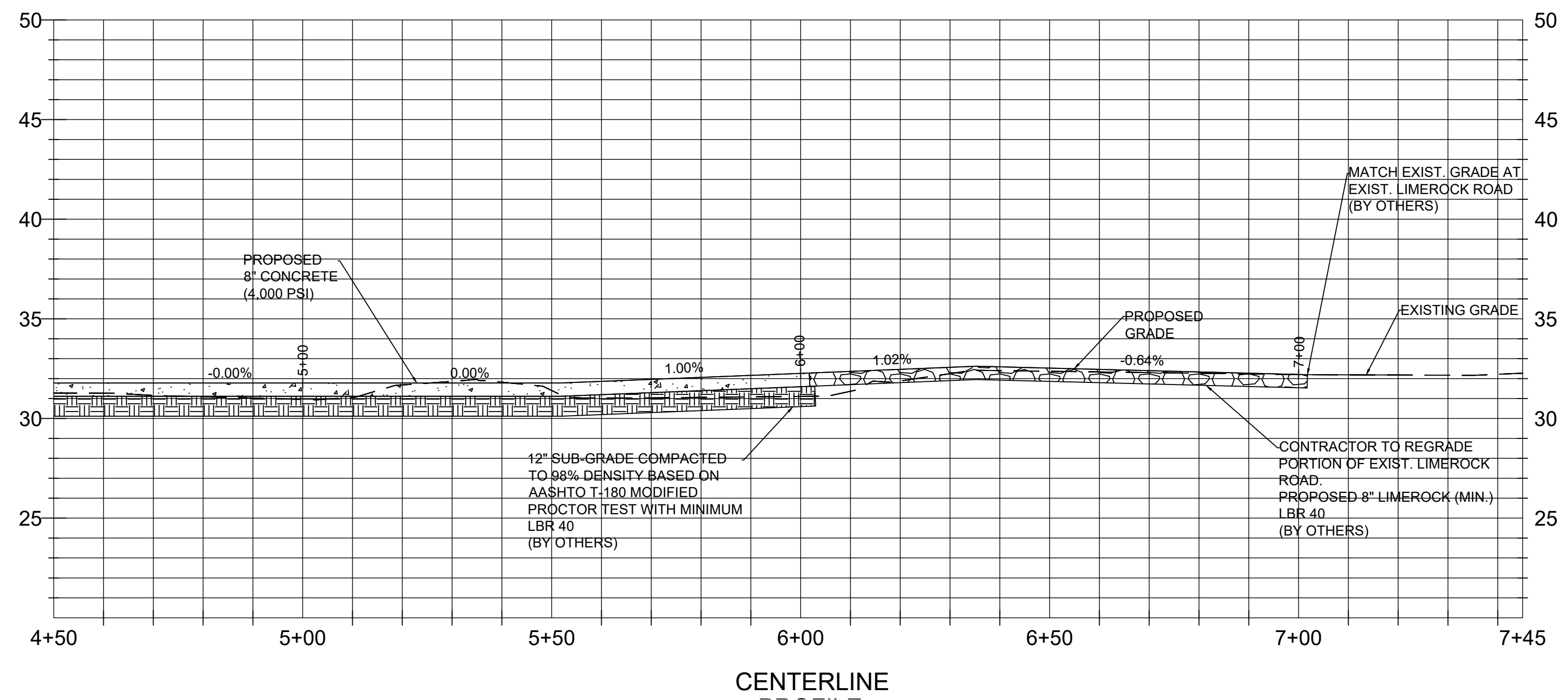
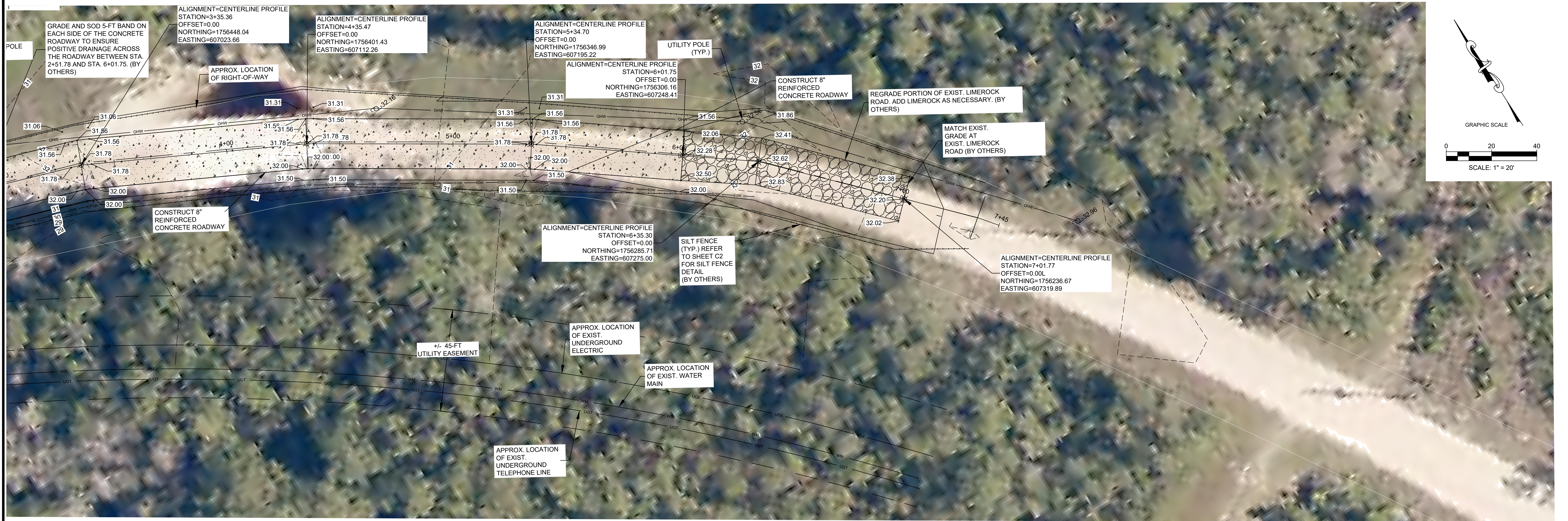

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SCALE: 1/20	DESIGNER: C.O.D.	SECTION CHIEF: W.R.C.

PLAN AND PROFILE STA. 0+00 TO 4+60

CERTIFICATION:
 CAITLYN O. DRANE
 P.E. NUMBER: 85256
 DATE: 06/26/24


FILE NAME:
 Indian Lake Road M&R.dwg
 PROJECT NO.:
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INDIAN LAKE ROAD CONCRETE WORK
VOLUSIA COUNTY, FLORIDA


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PLAN & PROFILE STA. 4+50 TO 7+45

CERTIFICATION:

 CAITLYN O. DRANE
 P. E. NUMBER: 85256
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FILE NAME:
 Indian Lake Road M&R.dwg
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C5