

### COUNTY GENERAL NOTES

- A. GOVERNING SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" DATED 2023-24.
- B. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION" 2023-24.
- C. VERTICAL DATA IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88).
- D. NOTIFY ST. LUCIE COUNTY SURVEYOR IF SURVEY MONUMENTS ARE IN JEOPARDY OF BEING DISTURBED. THE CONTRACTOR SHALL BE LIABLE FOR REPLACEMENT OF DESTROYED OR DISTURBED SURVEY MARKERS. CONTACT PERSON: ALEXEY GILEV, PSM 7079 TELEPHONE NO. (772) 462–1721
- E. ALL STATIONS AND OFFSETS ARE REFERENCED TO BASELINE OF CONSTRUCTION.
- F. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATE CHAPTER 556 UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY.
- G. THE CONTRACTOR SHALL CONTACT THE OWNER'S OFFICE IMMEDIATELY IF CONFLICTS ARISE DURING CONSTRUCTION AT: ST. LUCIE COUNTY ENGINEERING DIVISION 2300 VIRGINIA AVE. 2ND. FLOOR ANNEX FT. PIERCE, FLORIDA 34982 TELEPHONE NO. (772) 462–1707
- H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH CURRENT OSHA, STATE, COUNTY, AND LOCAL REGULATIONS SUCH AS 54 CFR 45894 AND 29 CFR 1926.650,651.652 AND THE FLORIDA TRENCH SAFETY ACT.
- I. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY OWNER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY ITS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK TO SATISFY ANY RESTORATION REQUIREMENTS AT HIS EXPENSE. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
- J. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN CURRENTLY EXISTING.
- K. THE LOCATION OF EXISTING AERIAL AND BURIED UTILITIES SHOWN ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT REMAIN IN PLACE.
- L. KNOWN UTILITIES:

AT&T	luke folkerts	(407)496-6041
CROWN CASTLE	MARHEW JONES	(786)610-7059
FLORIDA POWER & LIGHT	ARMEIGHT MARJAN	(772)489-6204

- M. ALL EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- N. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT COMPANY REPRESENTATIVES CAN BE PRESENT.
- 0. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED. ALL STRUCTURES TO BE REMOVED SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
- P. CONTRACTOR SHALL TAKE ALL NECESSARY ACTIONS TO ENSURE THE PROTECTION AND PRESERVATION OF EXISTING NATIVE TREES. THE CONTRACTOR SHALL BE RESPONSIBLE IN REPLACING TREES THAT ARE HARMED DURING CONSTRUCTION WITH THE SAME VARIETY AND OF EQUAL SIZE OR GREATER.
- Q. THE CONTRACTOR SHALL HIRE A CERTIFIED ARBORIST TO OVERSEE THE PRUNING OF BRANCHES AND ROOT SYSTEMS WHILE WORKING AROUND TREES.
- R. THE MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE APPLICABLE FDOT DESIGN MANUAL STANDARD PLAN (102-600 SERIES) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S.DEPARTMENT OF TRANSPORTATION, FHWA). THESE SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND

REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKERS FROM HAZARDS WITHIN THE PROJECT LIMITS.

- S. ANY WORK, STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON OR ABUTTING PRIVATE PROPERTY WITHOUT WRITTEN APPROVAL FROM THE PROPERTY OWNER AND SUBMITTED TO THE COUNTY.
- T. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE TAKEN BY CONTRACTOR DURING CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013 UPDATE.
- U. ALL EXISTING FEATURES TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.

1. GENERAL

- A. MOBILIZATION: MOBILIZATION SHALL MEET THE REQUIREMENTS OF FDOT SECTION 101.THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, OPERATIONS NECESSARY FOR THE MOVEMENT OF PERSONNEL, EQUIPMENT, SUPPLIES, AND INCIDENTALS TO THE PROJECT SITE, AND FOR THE ESTABLISHMENT OF TEMPORARY OFFICES, BUILDINGS, SAFETY EQUIPMENT AND FIRST AID SUPPLIES, SANITARY AND OTHER FACILITIES, AS REQUIRED BY STATE AND LOCAL LAWS AND REGULATIONS. THE COSTS OF BONDS AND ANY REQUIRED INSURANCE, AND ANY OTHER PRECONSTRUCTION EXPENSE NECESSARY FOR THE START OF WORK, EXCLUDING THE COST OF CONSTRUCTION MATERIALS, SHALL ALSO BE INCLUDED IN THIS SECTION. THIS SECTION ALSO INCLUDES ANY AND ALL WORK RELATED TO THE FINAL CLEANUP.
- B. CONSTRUCTION SURVEYING: THE OWNER SHALL PROVIDE HORIZONTAL CONTROL. THE OWNER SHALL ALSO PROVIDE BENCHMARKS ON THE PROPERTY. THIS CONTROL SHALL BE PROVIDED ONE TIME ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL OTHER CONSTRUCTION SURVEYING. THE CONTRACTOR IS RESPONSIBLE TO PROTECT THESE REFERENCE POINTS AND THE CONSTRUCTION STAKING THROUGHOUT THE JOB. THE CONTRACTOR SHALL BEAR THE COST OF ANY NECESSARY RESTAKING.
- C. SOIL TESTING: SOIL TESTING SHALL BE PERFORMED BY A CERTIFIED TESTING LABORATORY TO BE COMMISSIONED BY ST. LUCIE COUNTY.

2. EARTHWORK AND GRADING MATERIALS AND CONSTRUCTION METHODS FOR EARTHWORK, EXCAVATION, EMBANKMENT AND GRADING SHALL MEET THE REQUIREMENTS OF FDOT SECTION 120, THE PROJECT SPECIFICATIONS AND SHALL BE PERFORMED TO ACQUIRE FINAL GRADES, ELEVATIONS AND TYPICAL SECTIONS AS SHOWN ON THE PLANS FOR THE PROPOSED WORK.

- A. CLEARING AND GRUBBING: CLEARING AND GRUBBING SHALL MEET THE REQUIREMENTS OF FDOT SECTION 110 AND SHALL BE PERFORMED WITHIN THE LIMITS OF THE PROJECT WORK. THIS WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL OF EXISTING TREES, BRUSH STUMPS, ROOTS AND OTHER OBJECTIONABLE MATERIAL TO A DEPTH OF 18 INCHES BELOW THE NATURAL GROUND OR DESIGN GRADE, WHICHEVER IS LOWER. THE AREAS TO BE CLEARED AND GRUBBED GENERALLY CONSIST OF RIGHTS-OF-WAY, UTILITY EASEMENTS, WATER MANAGEMENT TRACTOR SHALL CONFIRM WITH THE OWNER THE REMOVAL OF ANY TREES ON THE LOTS FOR POSSIBLE PRESERVATION. ALL MATERIAL SHALL BE REMOVED FROM THE SITE OF THE PROJECT AND SHALL BE DISOSED OF IN ACCORDANCE WITH LOCAL, REGIONAL STATE AND FEDERAL LAWS. REGULATIONS AND ORDINANCES.
- B. ROUGH GRADE: THE CONTRACTOR SHALL GRADE THE PROJECT SITE TO MEET THE REQUIREMENTS OF FDOT SECTIONS 110 AND 120 AND SHALL CONFORM TO THE LINES, GRADES, AND TYPICAL SECTIONS AS SHOWN ON THE PLANS.
- C. FINE GRADE: THE CONTRACTOR SHALL FINE GRADE THE PAVEMENT AREAS TO MEET THE REQUIREMENTS OF FDOT SECTIONS 110 AND 120 AND SHALL CONFORM TO THE LINES, GRADES AND TYPICAL SECTIONS AS SHOWN ON THE PLANS.
- D. SOD: SOD SHALL MEET THE REQUIREMENTS OF FDOT SECTION 570, AND 981 AND SHALL BE PLACED ADJACENT TO THE EDGE OF PAVEMENT FOR A MINIMUM WIDTH OF 24 INCHES.
- **3. DRAINAGE IMPROVEMENTS**

MATERIALS, TRENCH EXCAVATION, PIPE LAYING AND BACKFILLING OPERATIONS FOR DRAINAGE IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF FDOT SECTIONS 125 AND 430. PIPE SHALL BE LAID IN TRUE ALIGNMENT IN A PIPE TRENCH WITH AN ADEQUATE SUPPORTING VALUE AND "BEDDED" TO THE DETAIL SHOWN IN THE PLANS AND FDOT SECTION 430. ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 100 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99, UNLESS OTHERWISE SHOWN ON THE PLANS.

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO COMPLETE THE WORK FOR DRAINAGE IMPROVEMENTS AT THE LOCATIONS, SIZES, AND TYPES SHOWN ON THE PLANS FOR THE FOLLOWING ITEMS:

- A. REINFORCED CONCRETE PIPE: REINFORCED CONCRETE PIPES AND BOX CULVERT SHALL MEET THE REQUIREMENTS OF CLASS III OF ASTM C-76, WALL THICKNESS "B", LATEST REVISION, AS MODIFIED BY FDOT SECTION 941. GASKETS FOR PIPE JOINTS SHALL BE ROUND RUBBER GASKETS AND SHALL MEET THE REQUIREMENTS OF FDOT SECTION 942.
- B. MITERED END SECTION: SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX NO. 430-022,

### 4. PAVING IMPROVEMENTS

ALL PAVED AREAS SHALL MEET THE REQUIREMENTS OF AASH1 FDOT AND ST. LUCIE COUNTY ENGINEERING DIVISION AND SHAL TO THE TYPICAL SECTIONS AS SHOWN ON THE PLANS.

- A. ASPHALTIC CONCRETE: ASPHALTIC CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OF FOOT SECTIONS 300, SHALL BE TYPE SP. PRIME AND TACK COATS SHALL MEE FDOT SECTIONS 300–1 THROUGH 300–7 AND SHALL HAVE 0.10 GALLONS PER SQUARE YARD, UNLESS A VARIATION F COUNTY ENGINEER. ASPHALT SHALL BE PLACED IN TWO'
- B. BASE: CEMENTED COQUINA (LBR 100) SHALL BE USED FO AS SHOWN ON TYPICAL SECTION. BASE COURSE TO MEET IN FDOT INDEX 911.
- C. SUBGRADE: THE SUBGRADE SHALL BE 12" INCHES THICK LBR=40 AND SHALL EXTEND 5' BEYOND THE EDGE OF TH THE LIMITS SHOWN ON THE PLANS. SUBGRADE SHALL BE PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY /
- D. ALL MARKING SHALL BE THERMO PLASTIC. AND SHALL MEI FDOT INDEX 711, 6" WIDE WHITE STRIPES SHALL BE USED EDGE-OF-PAVEMENT.
- E. PORTLAND CEMENT CONCRETE: PORTLAND CEMENT CONCRETE: PORTLAND CEMENT CONCRETE CONSTRUCTION METHODS SHALL MEET THE REQUIREMENTS ( 347, 350 AND 355. CONCRETE SHALL BE 4,000 PSI.
- F. MILLING OF EXISTING ASPHALT PAVEMENT REMOVE EXIST CONCRETE PAVEMENT PER FDOT SECTION 327. MILLING SHA COST OF THE ASPHALT PAVEMENT.

5. THE WORK

EXISTING UTILITIES AND STRUCTURES:

EXISTING UTILITIES, STRUCTURES AND FACILITIES SHOWN ON LOCATED AS ACCURATELY AS POSSIBLE FROM THE RECORD GUARANTEE IS MADE THAT ALL EXISTING FACILITIES ARE S SHOWN ARE ENTIRELY ACCURATE. THE CONTRACTOR SHA THE ACTUAL LOCATION OF THE UTILITIES, STRUCTURES, OF PERFORMANCE OF ANY WORK IN THE VICINITY. THE UTILIT AGENCIES WILL CO-OPERATE WITH THE CONTRACTOR'S OP START OF THE WORK, THE CONTRACTOR SHALL REQUEST ADVISE HIM OF THE LOCATION OF THEIR FACILITIES IN THE WILL ASSUME NO LIABILITY FOR DAMAGES SUSTAINED OR OF THE CONTRACTOR'S OPERATION IN THE VICINITY OF EXIS STRUCTURES, OR TO THE TEMPORARY BRACING AND SHORI EVENT THAT IT IS NECESSARY TO SHORE, BRACE, OR SWIN COMPANY OR DEPARTMENT AFFECTED SHOULD BE CONTACT

RESTORATION OR DAMAGED STRUCTURES OR UTILITIES:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO ITS FORMER CONDITION, ANY AND ALL PORTI STRUCTURES, EQUIPMENT, APPURTENANCES OR FACILITIES, BE PAID FOR UNDER THIS CONTRACT, WHICH MAY BE DIST TO THIS CONSTRUCTION OPERATION, AT NO COST TO THE

### FINAL CLEANUP:

UPON COMPLETION OF THE WORK, BUT BEFORE FINAL PAYN THE CONTRACTOR SHALL CLEAR AND REMOVE FROM THE I FALSEWORK, EQUIPMENT, SURPLUS AND DISCARDED MATER TEMPORARY STRUCTURES WHICH RESULT FROM THE WORK ACREEMENT, AND SHALL RESTORE IN AN ACCEPTABLE MA WHICH HAS BEEN DAMAGED DURING THE PROSECUTION OF

### GUARANTEE:

ALL MATERIALS AND THE INSTALLATION THEREOF WHICH ARI INSTALLED BY THE CONTRACTOR, UNDER THE TERMS OF TI GUARANTEED BY THE CONTRACTOR, UNDER THE TERMS OF TI GUARANTEED BY THE CONTRACTOR, AGAINST DEFECTIVE WC AND PHYSICAL DEFECTS, LEAKAGE, BREAKAGE, AND OTHER UNDER NORMAL OPERATION FOR A PERIOD OF ONE (1) YE. FINAL PAYMENT, SAID DATE TO CONSTITUTE THE COMMENC YEAR WARRANTY PERIOD. ALL MATERIALS AND INSTALLAT DEFECTIVE WITHIN THE SPECIFIED PERIOD OF THE GUARANT WITHOUT COST TO THE OWNER, BY THE MANUFACTURER OF PERIOD OF GUARANTEE OF EACH SUCH REPLACEMENT SHA THE DATE OF INSTALLATION THEREOF.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BYSTEPHEN COOPER P.E., SHALL BE WITHOUT LIABILITY TO STEPHEN COOPER P.E.

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	Summary of Pay Items		
PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
101-1A	MOBILIZATION/DEMOBILIZATION	LS	1
102-1A	MAINTENANCE OF TRAFFIC	LS	1
104-2A	PREVENTION, CONTROL, & ABATEMENT OF EROSION & WATER POLLUTION	LS	1
110-1-1	CLEARING AND GRUBBING	LS	1
110-7-1	MAILBOX, F&I, SINGLE	EA	1
120-1A	EXCAVATION/EMBANKMENT	LS	1
199-1A	CONSTRUCTION LAYOUT/RECORD DRAWINGS	LS	1
285-718A	OPTIONAL BASE (CEMENTED COQUINA, LBR 100, 18")	SY	180
160-4	TYPE "B" STABILIZATION LBR 40 (12" MIN)	SY	7
334-1-13A	SUPERPAVE ASPHALTIC CONCRETE (1") (TRAFFIC C, SP-9.5)	TN	12
334-1-13B	SUPERPAVE ASPHALTIC CONCRETE (1.5") (TRAFFIC C, SP-12.5)	TN	9
400-2-1	CONCRETE CLASS II (CONCRETE COLLARS, 4000 PSI)	CY	13
400-80A	MAINTENANCE OF EXISTING DRAINAGE	LS	1
400-90A	CONSTRUCTION DEWATERING	LS	1
407-1-11A	PRECAST CONCRETE BOX CULVERT ( 10'(SPAN) X 6'(RISE))	LF	120
430-174-124	PIPE CULVERT, RCP, ROUND, 24", SD	LF	186
430-984-129	MITERED END SECTION, ROUND, 24", SD	EA	4
530-3-4	RIP RAP, RUBBLE, F&I, DITCH LINING	TN	419
530-74	BEDDING STONE	TN	77
536-73	GUARDRAIL REMOVAL	LF	250
570-1-2	PERFORMANCE TURF, SOD, MATCH EXISTING	SY	968
700-1-11	SINGLE POST SIGN (GROUND MOUNT)(F&I)(<12SF)	AS	4
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	2
711-11-111A	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	176
711-11-231A	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6"	LF	30
1000-1A	UTILITY COORDINATION	LS	1

# PAY ITEM FOOTNOTES

- 101–1A COST TO INCLUDE, BUT NOT LIMITED TO, MOWING EXISTING SOD AND MAINTENANCE OF EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS INCLUSIVE OF MOWING AND LITER REMOVAL FOR THE PROJECT DURATION.
- 102–1A MAINTENANCE OF TRAFFIC COSTS SHALL INCLUDE BUT NOT LIMITED TO CONSTRUCTION SIGNS, TEMPORARY BARRICADES, VARIABLE MASSAGE SIGNS, TEMPORARY REFLECTIVE MARKERS, TEMPORARY PAVEMENT MARKINGS, INCIDENTAL TEMPORARY PAVEMENT, DUST CONTROL, ANY TEMPORARY DRAINAGE ELEMENTS BEYOND WHAT IS SPECIFIED IN THE CONTRACT DOCUMENTS, ALL ITEMS NECESSARY TO MEET THE MAINTENANCE OF TRAFFIC REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION AS PRESCRIBED IN SECTION 102–XXX OF THE FDOT STANDARD PLANS.
- 120-1A ALL GRADING TO BE INCLUDED IN COST OF EXCAVATION AND EMBANKMENT.
- 285-718A THE COST OF PRIME COAT SHALL BE INCLUDED IN THE PRICE OF BASE MATERIAL.
- 334-1-13A THE COST OF THE TACK COAT SHALL BE INCLUDED IN THE PRICE OF ASPHALT.

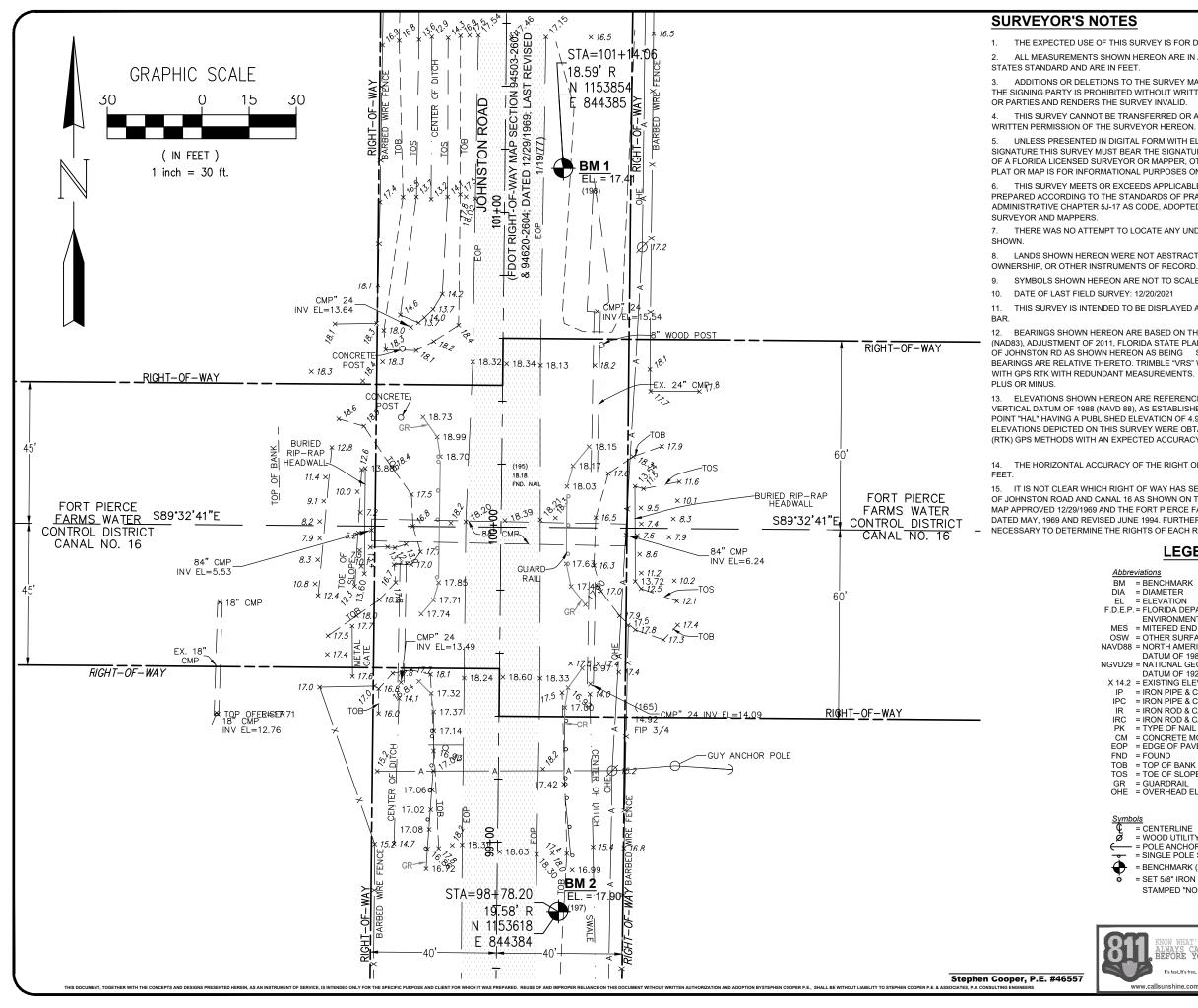
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570–1–2 COST OF PERFORMANCE TURF TO INCLUDE SOD, FERTILIZER, MOWING, WATERING, TOOL, EQUIPMENT, PEGGING, LABOR AND ALL INCIDENTAL ITEMS NECESSARY.

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It's fast. It's free. It's the law. www.callsunshine.com	ADJUST ALL SCALED DIMENSIONS ACCORDINGLY		3.0 2021-115	earrow



1. THE EXPECTED USE OF THIS SURVEY IS FOR DRAINAGE DESIGN PURPOSES.

2. ALL MEASUREMENTS SHOWN HEREON ARE IN ACCORDANCE WITH THE UNITED

ADDITIONS OR DELETIONS TO THE SURVEY MAP AND/OR REPORT BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY

THIS SURVEY CANNOT BE TRANSFERRED OR ASSIGNED WITHOUT THE SPECIFIC

UNLESS PRESENTED IN DIGITAL FORM WITH ELECTRONIC SEAL AND ELECTRONIC SIGNATURE THIS SURVEY MUST BEAR THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR OR MAPPER, OTHERWISE THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

THIS SURVEY MEETS OR EXCEEDS APPLICABLE ACCURACY REQUIREMENTS AND IS PREPARED ACCORDING TO THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA ADMINISTRATIVE CHAPTER 5J-17 AS CODE, ADOPTED BY THE BOARD OF PROFESSIONAL

THERE WAS NO ATTEMPT TO LOCATE ANY UNDERGROUND UTILITIES, EXCEPT AS

LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHT-OF-WAY EASEMENTS,

SYMBOLS SHOWN HEREON ARE NOT TO SCALE

THIS SUBVEY IS INTENDED TO BE DISPLAYED AT THE SCALE SHOWN ON THE SCALE

12. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ADJUSTMENT OF 2011, FLORIDA STATE PLANE EAST ZONE AND THE CENTERLINE OF JOHNSTON RD AS SHOWN HEREON AS BEING SOUTH 00°37'38" WEST. ALL OTHER BEARINGS ARE RELATIVE THERETO. TRIMBLE "VRS" WAS USED AS HORIZONTAL CONTROL WITH GPS RTK WITH REDUNDANT MEASUREMENTS. HORIZONTAL ACCURACY IS 0.10 FOOT,

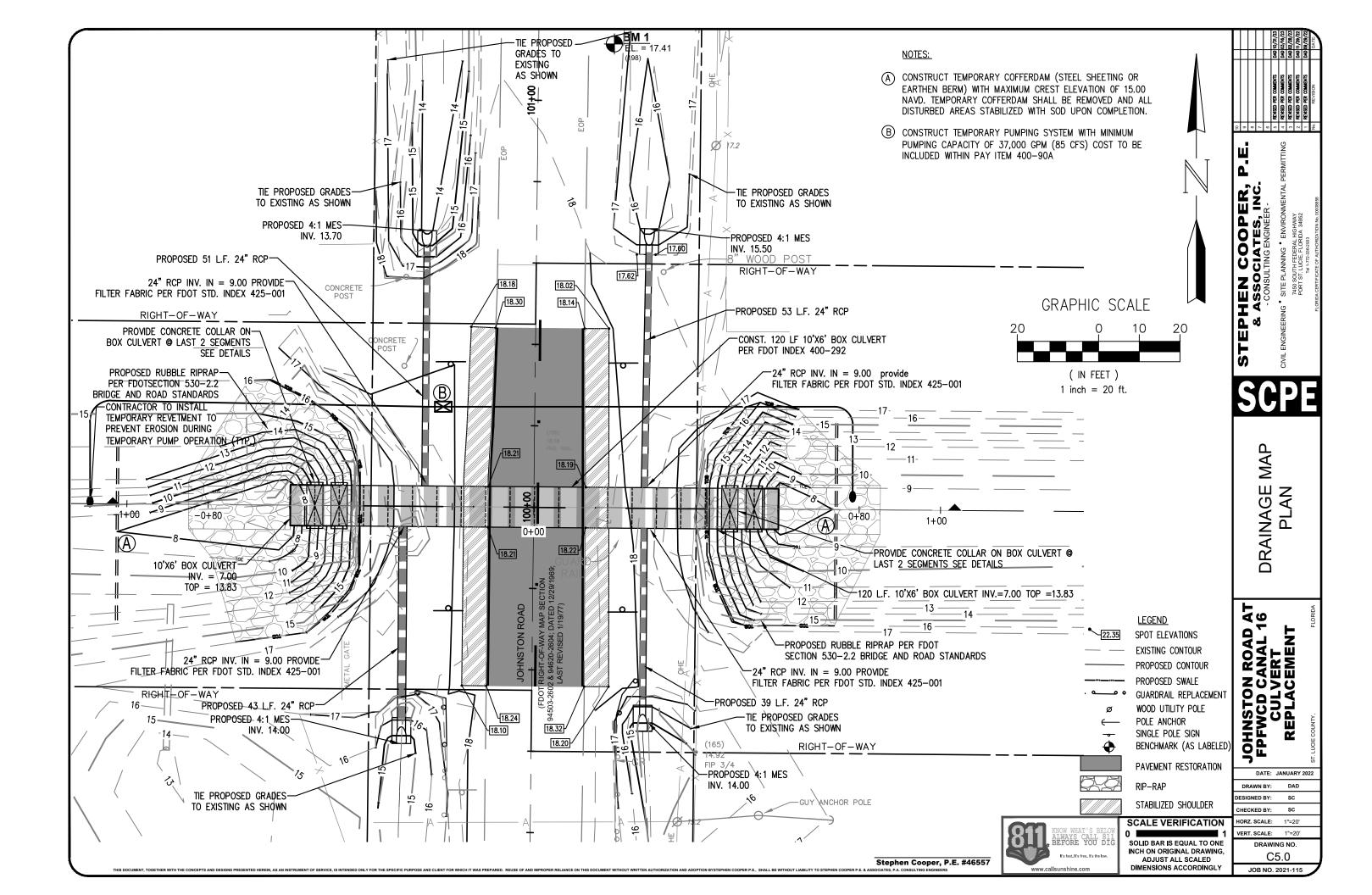
13. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS ESTABLISHED BY ST LUCIE COUNTY CONTROL POINT "HAL" HAVING A PUBLISHED ELEVATION OF 4.9832 METERS OR 16.35 FEET (NAVD88). ELEVATIONS DEPICTED ON THIS SURVEY WERE OBTAINED USING REAL TIME KINEMATIC (RTK) GPS METHODS WITH AN EXPECTED ACCURACY OF +/- 0.2'.

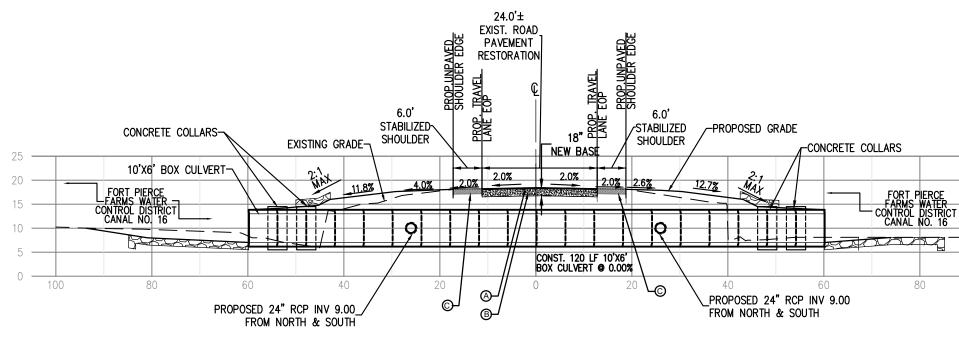
14. THE HORIZONTAL ACCURACY OF THE RIGHT OF WAY LINES IS APPROXIMATELY 0.5

15. IT IS NOT CLEAR WHICH RIGHT OF WAY HAS SENIOR RIGHTS AT THE INTERSECTION OF JOHNSTON ROAD AND CANAL 16 AS SHOWN ON THE AVAILABLE JOHNSTON ROAD FDOT MAP APPROVED 12/29/1969 AND THE FORT PIERCE FARMS WATER CONTROL DISTRICT DATED MAY 1969 AND REVISED JUNE 1994 FURTHER DEED RESEARCH WOULD BE NECESSARY TO DETERMINE THE RIGHTS OF EACH RIGHT OF WAY.

LEGEND Abbreviations BM = BENCHMARK DIA = DIAMETER EL = ELEVATION F.D.E.P. = FLORIDA DEPARTMENT MES = MITERED END SECTION OSW = OTHER SURFACE WATE NAVD88 = NORTH AMERICAN VER DATUM OF 1988 NGVD29 = NATIONAL GEODETIC V DATUM OF 1020	ECTION ERS TICAL	SURVEY ( EXISTING CONI VERTICAL & HOF CONTRO
DATUM OF 1929 X 14.2 = EXISTING ELEVATION IP = IRON PIPE & CAP IPC = IRON PIPE & CAP IRC = IRON ROD & CAP IRC = IRON ROD & CAP IRC = IRON ROD & CAP PK = TYPE OF NAIL CM = CONCRETE MONUMENT EOP = EDGE OF PAVEMENT FND = FOUND TOB = TOP OF BANK TOS = CONCRETERLINE		JOHNSTON ROAD AT FPFWCD CANAL 16 CULVERT REPLACEMENT
<ul> <li>= BENCHMARK (AS LABEL</li> <li>= SET 5/8" IRON ROD &amp; CA</li> </ul>	,	DATE: JANUARY 2022
STAMPED "NORTHSTAF	R LB 7217"	DRAWN BY: DAD
		DESIGNED BY: SC
		CHECKED BY: SC
KNOW MUNELS DELON	SCALE VERIFICATION	HORZ. SCALE: 1"=30'
KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG		VERT. SCALE: NA
	SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING,	DRAWING NO.
L's fast, It's free, It's the law. ADJUST ALL SCALED		C4.0
www.callsunshine.com	DIMENSIONS ACCORDINGLY	JOB NO. 2021-115





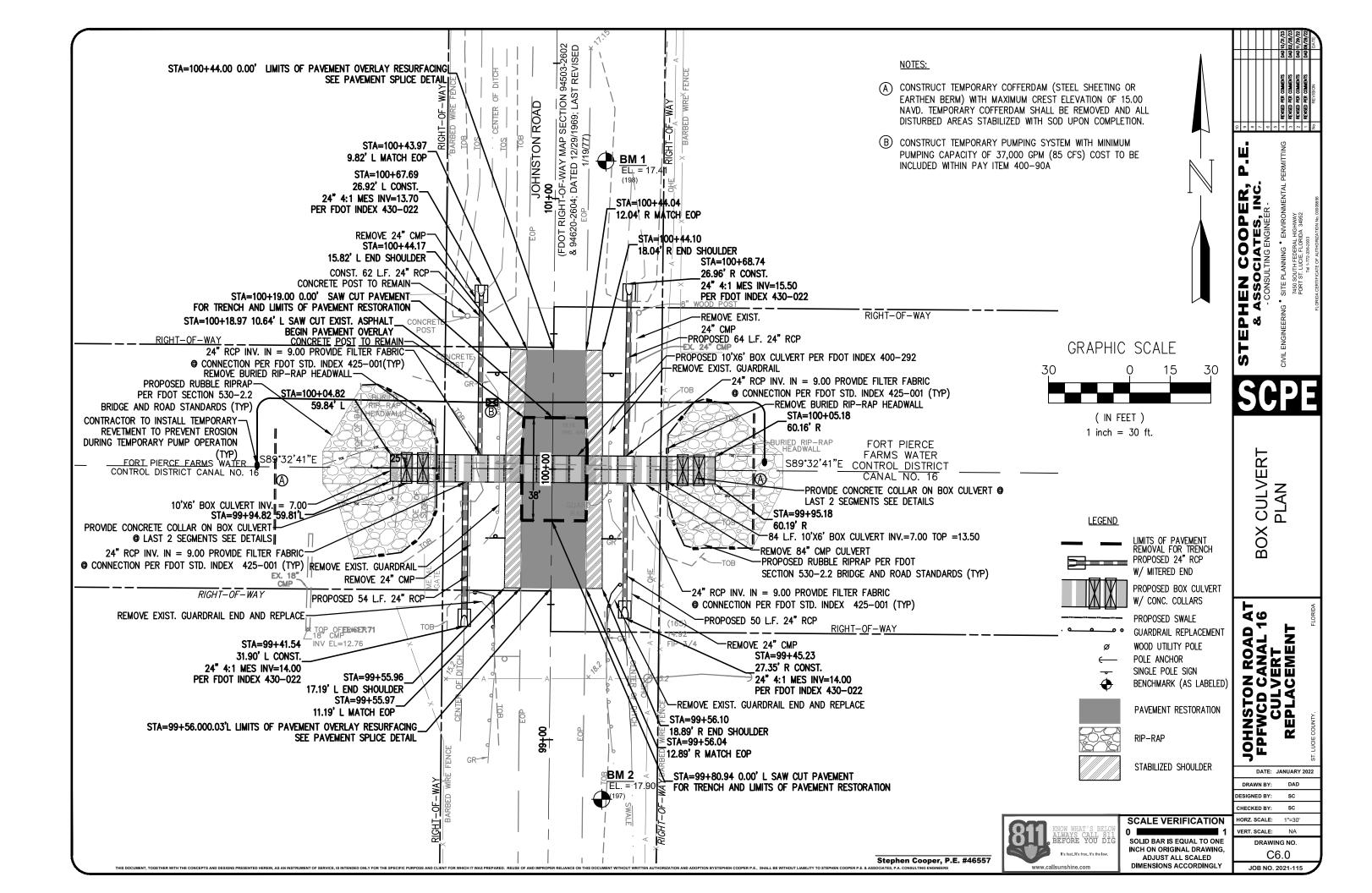


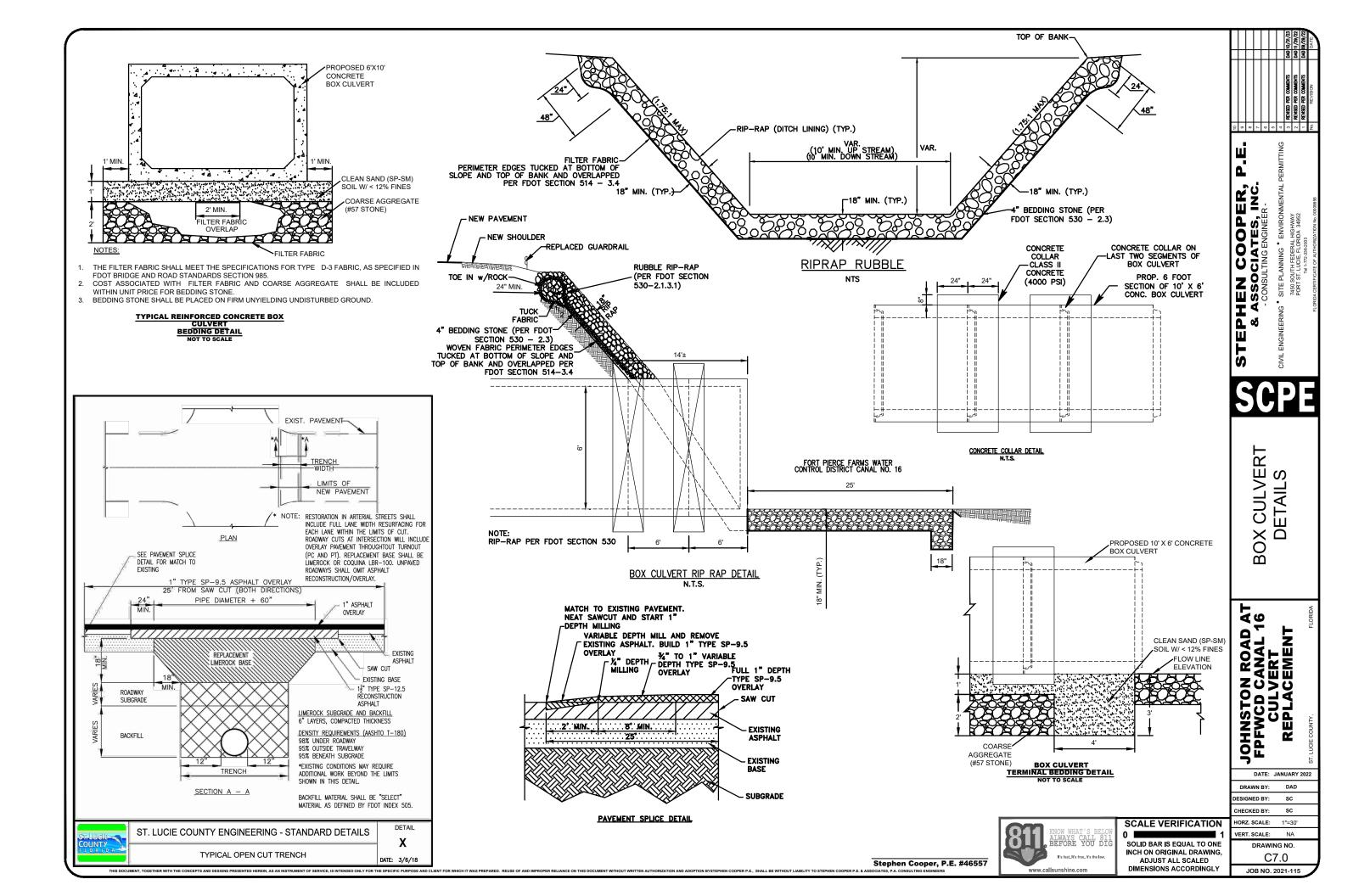
# JOHNSON ROAD PROPOSED 10'X6' BOX CULVERT

PAVEMENT RESTORATION (SEE DETAIL ON C7.0)

- (A) TYPE SP-9.5 (TRAFFIC LEVEL C) (1") ASPHALT OVERLAY TYPE SP-12.5 ASPHALT (TRAFFIC LEVEL C) (1.5")
- B CEMENTED COQUINA (LBR 100) (18")
- © TYPE "B" STABILIZATION LBR 40 (12" MINIMUM)

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# NOTES:

- PROPERTY CORNERS SHALL BE LOCATED BY A LICENSED LAND 1 SURVEYOR AND CLEARLY MARKED IN THE FIELD PRIOR TO THE ENGINEERING DEPARTMENT'S PRE-CONSTRUCTION MEETING FOR THE SITE DEVELOPMENT.
- 2. AUTHORIZATION TO INSTALL EROSION CONTROL DEVICES AND PRESERVE BARRICADES WILL BE GRANTED AT THE PRE-CONSTRUCTION MEETING. THIS AUTHORIZATION SHALL BE POSTED ON THE SITE, IN THE PERMIT BOX LOCATION SHOWN ON THIS SHEET.
- NO ADDITIONAL LAND CLEARING SHALL COMMENCE UNTIL 3. SATISFACTORY INSPECTION OF THE REQUIRED EROSION CONTROL BARRICADES HAS BEEN OBTAINED.
- ALL CONSTRUCTION BARRICADES AND SILT FENCES WILL REMAIN IN 4 PLACE AND BE MONITORED FOR COMPLIANCE BY THE PERMIT HOLDER DURING THE PERMITTED DEVELOPMENT.

# SOIL EROSION NOTES:

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SPECIFIC SOIL EROSION PLAN, IN GENERAL, THE SOIL EROSION PLAN SHALL REQUIRE THAT ALL ON-SITE SOILS WILL REMAIN ON-SITE AND WILL NOT ERODE INTO THE ADJACENT ROADSIDE SWALES, ADJACENT PROPERTIES, OR RETENTION DITCHES. ALL EXISTING SWALES SHALL REMAIN SODDED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCARIFY ONLY AS NECESSARY TO CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL SCARIFY AREAS TO PLACE VARIOUS PIPE WORK. AFTER PLACEMENT OF THE PIPE, THESE TRENCHES SHALL BE BACKFILLED AND COMPACTED 98% DENSITY. PRIOR TO DISCHARGE FROM THE SITE, SILTATION BARRIERS SHALL BE UTILIZED AS PER THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL TO AVOID FILLING THESE AREAS. UPON COMPLETION OF THE SITE WORK, ALL AREAS SHALL BE SODDED WITHIN SEVEN DAYS TO AVOID EROSION. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL STATE WATER QUALITY CRITERIA, SPECIFICALLY, NO OFF-SITE DISCHARGES WILL BE ALLOWED WHICH EXCEED THE STATE TURBIDITY CRITERIA.

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, PREPARED FOR FLORIDA DEPARTMENT OF TRANSPORTATION AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. JULY 2013.

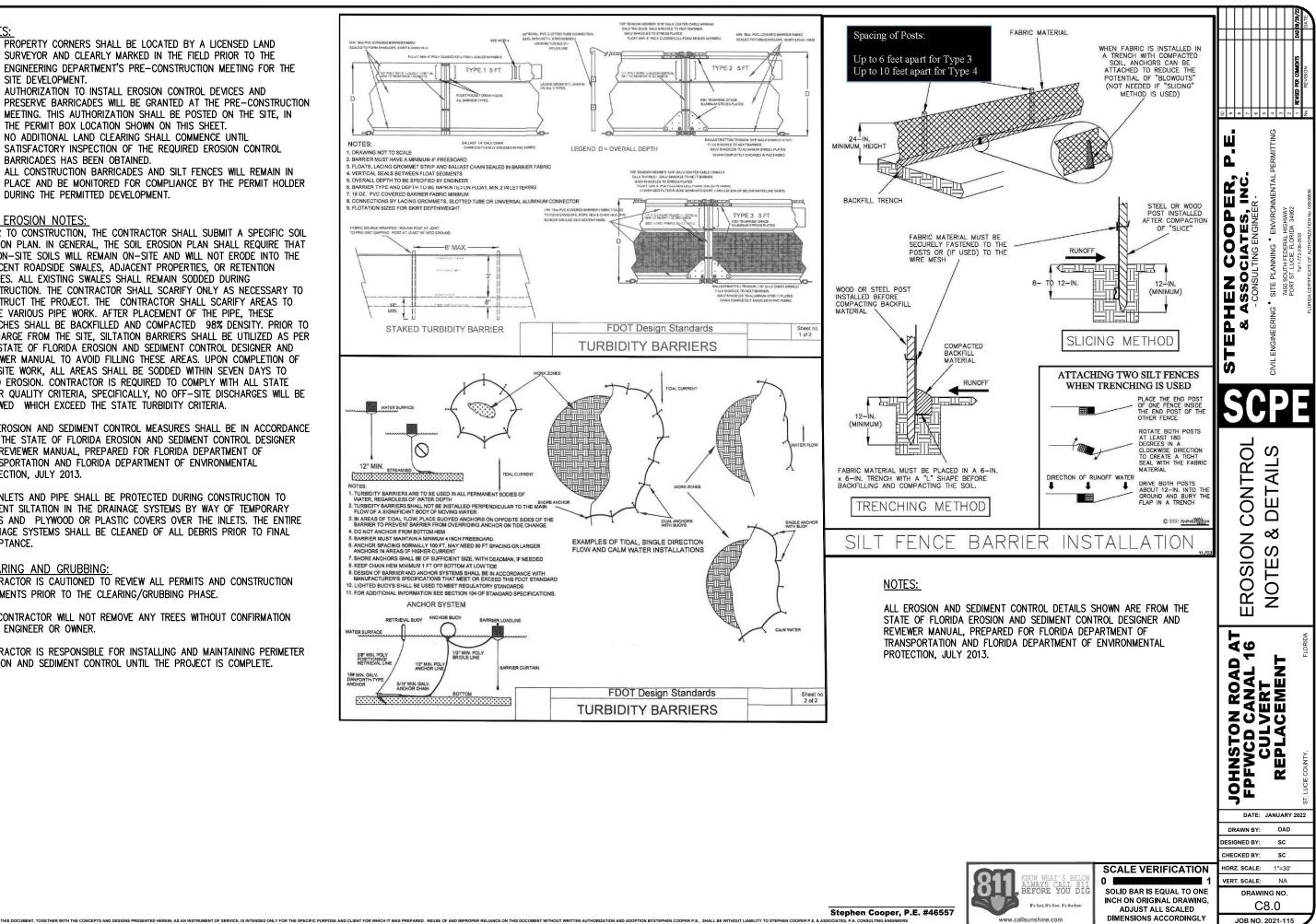
ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEMS SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.

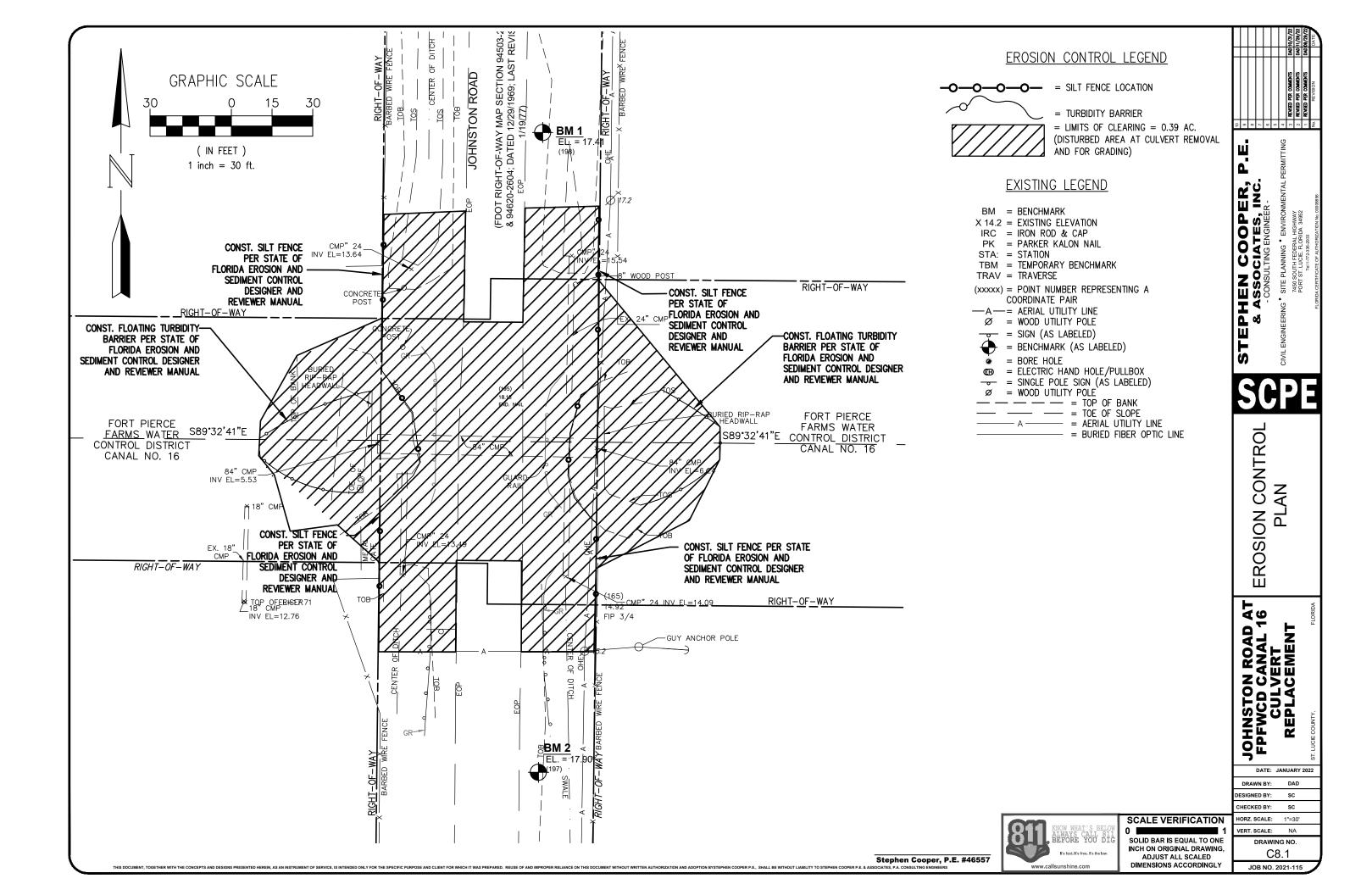
## CLEARING AND GRUBBING:

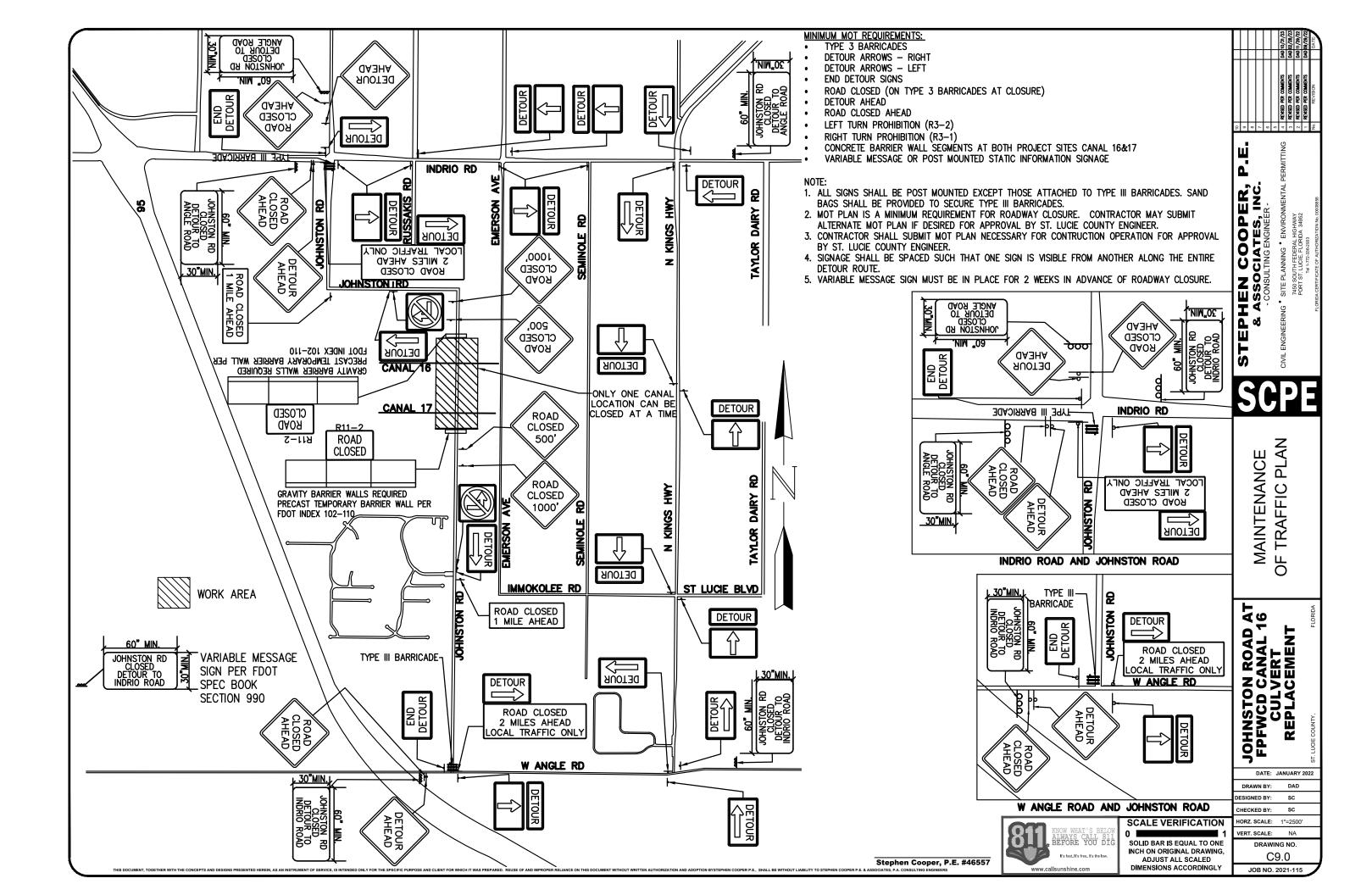
CONTRACTOR IS CAUTIONED TO REVIEW ALL PERMITS AND CONSTRUCTION DOCUMENTS PRIOR TO THE CLEARING/GRUBBING PHASE.

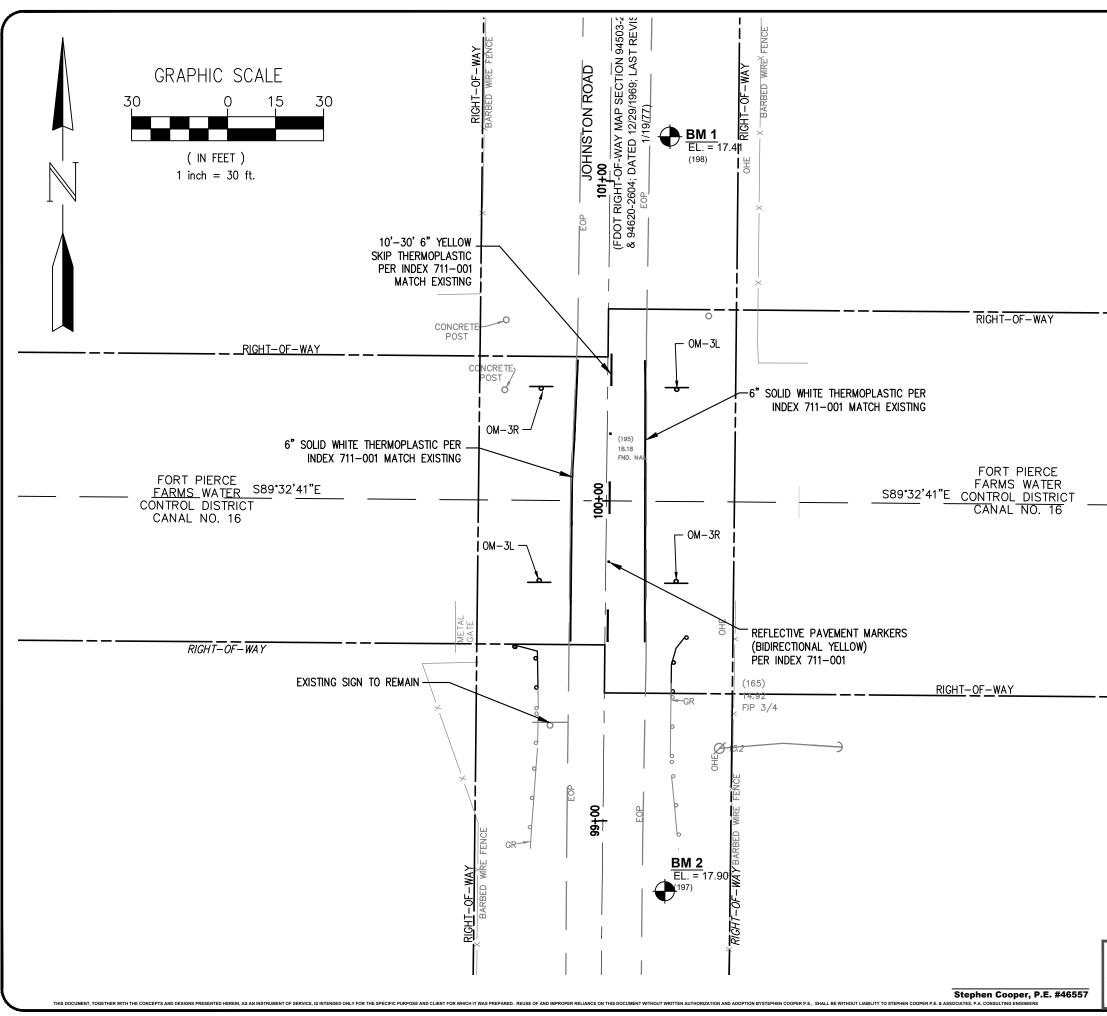
THE CONTRACTOR WILL NOT REMOVE ANY TREES WITHOUT CONFIRMATION FROM ENGINEER OR OWNER.

CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING PERIMETER EROSION AND SEDIMENT CONTROL UNTIL THE PROJECT IS COMPLETE.









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