Commissioners:

Bill Proctor District 1

Jane G. Sauls District 2

John E. Dailey

District 3

Bryan Desloge District 4

Kristen Dozier District 5

Nick Maddox At-Large

Akin Akinyemi At-Large



<u>DESCRIPTION</u> KEYSHEET

BASIN MAP

MOT PLAN

GENERAL NOTES AND DETAILS

NOTES AND DETAILS

KEY MAP ROADWAY PLAN ROADWAY PLAN & PROFILE

MOT NOTES & DETAILS

WETLANDS IMPACT

CROSS SECTIONS

SUMMARY OF DRAINAGE STRUCTURES

EROSION CONTROL AND TREE PROTECTION

INDEX OF PLANS

SHEET No.

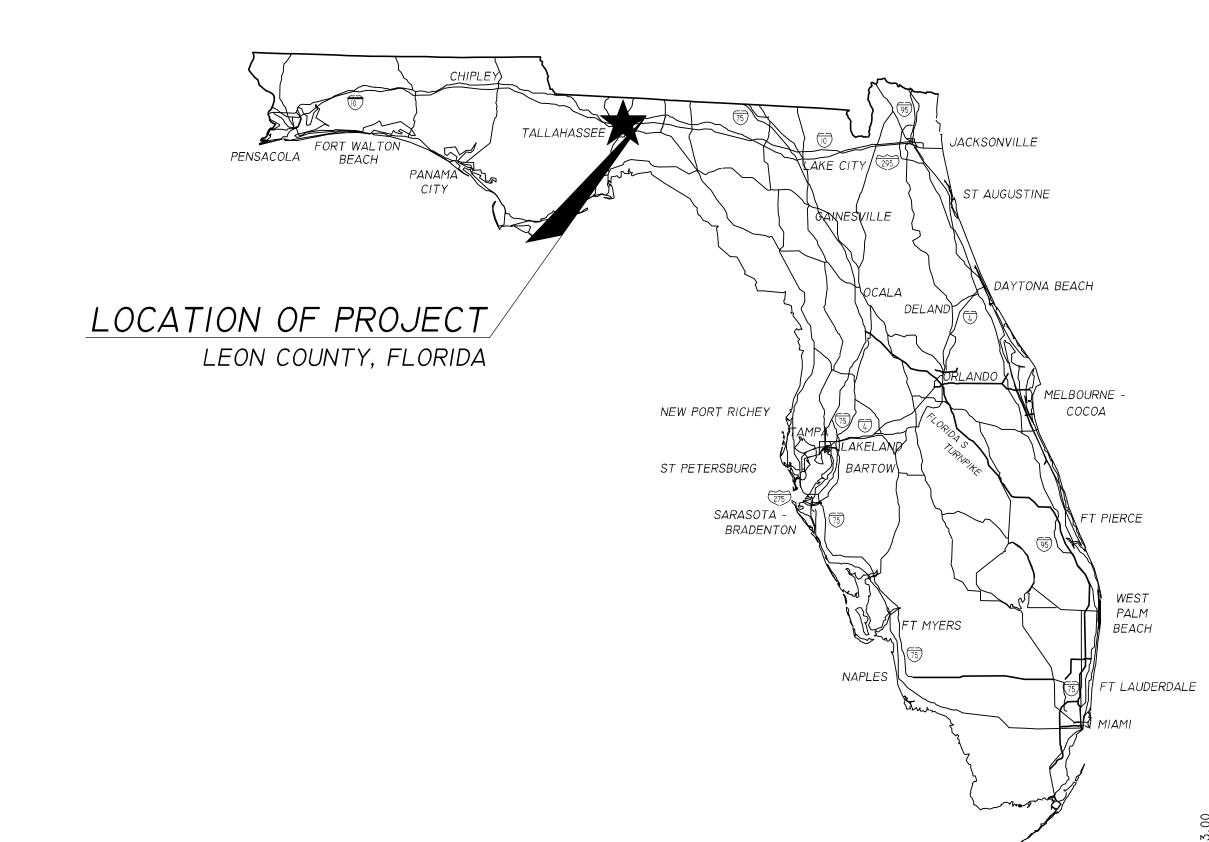
Parwez Alam County Administrator

Herbert W. A. Thiele

County Attorney

Tony Park, P.E. Public Works Director

LAWNDALE ROAD DRAINAGE IMPROVEMENTS



PREPARED FOR:

LEON COUNTY PUBLIC WORKS

LAKE LAFAYETTE LOCATION MAP NTS LOCATION OF PROJECT

ENGINEER OF RECORD:



INOVIA CONSULTING GROUP
930 THOMASVILLE ROAD, SUITE 200
TALLAHASSEE, FLORIDA 32303
MR. RICHARD A. JENKINS, P.E. No. 68365
850.298.4213
CA8225

SURVEYOR OF RECORD:

NOBLES CONSULTING GROUP, INC. 2844 PABLO AVENUE TALLAHASSEE, FLORIDA 32308 PAUL WILLIAMSON RLS No.3208 850.385.1179 LB#3293 ER#7990

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED JANUARY 2010, AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 2010 AS AMENDED BY CONTRACT DOCUMENTS.

NO.	BY	REVISIONS	DATE

DIVISION OF ENGINEERING SERVICES LEON COUNTY PUBLIC WORKS 2280 MICCOSUKEE ROAD TALLAHASSEE, FL. 32308 PHONE (850) 606-1500

PROJECT MANAGER: GEORGE SU, P.E.

PLAN RELEASE STATUS

PROGRESS PRINT
PERMIT RELEASE
BID RELEASE
CONSTRUCTION RELEASE
RICHARD A. JENKINS
PE No.: 68365
DATE: 25 MAR II

GENERAL NOTES

- 1. UTILITY DESIGN WAS PROVIDED BY OTHERS. ALL UTILITY WORK TO BE CONSTRUCTED BY OTHERS, ENGINEER OF RECORD DOES NOT CERTIFY UTILITY DESIGNS AS PART OF THIS PLAN SET.
- 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE APPROPRIATE STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. CONTACT SUNSHINE STATE ONE CALL AT 811.
- 3. ALL VALVE AND METER BOXES SHALL BE SET FLUSH WITH GRADE.
- 4. CONTRACTOR TO COORDINATE WITH LOCAL UTILITIES FOR REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, BURIED CABLE, AND OTHER UTILITIES.
- 5. PROVISIONS SHALL BE MADE FOR FLOW OF STORM DRAINS, AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL PLACE AND MAINTAIN BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, ETC. DURING THE PROGRESS OF CONSTRUCTION WORK AND UNTIL IT IS SAFE FOR BOTH PEDESTRIAN AND VEHICULAR TRAFFIC. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH M.U.T.C.D. AND F.D.O.T. STANDARDS.
- 7. CONTRACTOR IS TO RESTORE ALL DISTURBED AREAS TO A CONDITION AS EXISTED PRIOR TO CONSTRUCTION.
- 8. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
- 9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS.
- 10. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND MAY BE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE OR OTHER UNUSUAL CONDITION. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- 11. IF EXISTING UTILITY LINES ARE DISTURBED DUE TO CONSTRUCTION ACTIVITY THEY WILL BE ACCOMODATED/RELOCATED AS PER APPROPRIATE UTILITY REQUIREMENTS.
- 12. CONTRACTOR SHALL SOD ALL DISTURBED AREAS UNLESS NOTED OTHERWISE ON PLANS.
- 13. MATCH NEW PAVEMENT ELEVATION WITH EXISTING PAVEMENT ELEVATION AT DRIVEWAYS, ETC.
- 14. ALL EXISTING CONCRETE AND ASPHALTIC CONCRETE DRIVEWAYS WILL BE SAW CUT AS REQUIRED FOR CONSTRUCTION AND REPLACED WITH LIKE MATERIAL UNLESS NOTED OTHERWISE ON PLANS.
- 15. UNLESS OTHERWISE NOTED PIPE LENGTHS SHOWN ARE FROM CENTERLINE TO CENTERLINE OF STRUCTURES.
- 16. CONTRACTOR IS RESPONSIBLE FOR STAKEOUT.
- 17. CONTRACTOR TO SECURE SERVICE OF AN APPROVED TESTING LAB FOR ALL REQUIRED TESTING.
- 18. EROSION CONTROL MEASURES SHOWN ARE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENGINEER.
- 19. THE CONTRACTOR SHALL NOT SUBSTITUTE ANY ARTICLE, DEVICE, PRODUCT, MATERIAL OR FIXTURE, OR ANY FORM OR TYPE OF CONSTRUCTION, FOR THAT WHICH IS INDICATED IN THE APPROVED PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER, AND LEON COUNTY PUBLIC WORKS.
- 20. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY PHONE AT ALL TIMES DURING THE CONSTRUCTION ACTIVITIES.
- 21. ALL DISTURBED AREAS TO BE LEFT IDLE LONGER THAN 14 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.
- 22. THE CONTRACTOR SHALL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AS NOTED ON THE PLANS. ANY OFFSITE STORAGE AREA WILL REQUIRE PRIOR REVIEW AND APPROVAL BY THE ENGINEER.
- 23. THE CONTRACTOR SHALL REMOVE ALL SURVEY TAKES AND EROSION CONTROL ITEMS UPON COMPLETION OF THE PROJECT.
- 24. THE CONTRACTOR SHALL MAINTAIN AND KEEP VISIBLE STREET NAME IDENTIFICATION DURING CONSTRUCTION TO FACILITATE EMERGENCY PERSONNEL AND TRAVELING LINK.
- 25. BENCHMARKS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988
- 26. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR WILL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.
- SUNSHINE STATE ONE-CALL OF FLORIDA (5 DAYS NOTIFICATION PRIOR TO CONSTRUCTION)
- CITY OF TALLAHASSEE/ELECTRICAL DIVISION CITY OF TALLAHASSEE/GAS UTILITIES DIVISION CITY OF TALLAHASSEE/WATER DIVISION *850-891-6155* CITY OF TALLAHASSEE/SEWER DIVISION 850-891-6155
- AT&T (SDT, INC.) CENTURYLINK (OUTSOURCE, INC.)
- 27. CONTRACTOR SHALL MAINTAIN ACCESS TO SIDE STREETS, RESIDENTIAL, AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
- 28. PAVEMENT OPEN CUTS FOR STORM DRAIN OR UTILITY CONSTRUCTION SHALL BE PATCHED AND REPAIRED IN ACCORDANCE WITH FDOT INDEX No.307.
- 29. THE CONTRACTOR SHALL REPLACE ALL DISTURBED SIGNING AND STRIPING WITH LEON APPROVED MATERIALS.
- 30. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.

SUPPLEMENTAL GEN. NOTES -WATER & SEWER

CONSTRUCTION:

- [1] THE CITY OF TALLAHASSEE STANDARD SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES, JUNE 29, 2010 EDITION, AS AMENDED, SHALL BE THE GOVERNING SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WATER WORKS AND SANITARY SEWERAGE ON THIS PROJECT. THESE SPECIFICATIONS, HEREINAFTER REFERRED TO AS THE "COT STANDARD SPECIFICATIONS", ARE HEREBY INCORPORATED INTO THE CONTRACT BY REFERENCE AS IF FULLY WRITTEN HEREIN. THE COT STANDARD SPECIFICATIONS, IN THEIR ENTIRETY, MAY BE ACCESSED AND DOWNLOADED FROM URL:
- <HTTP://WWW.TALGOV.COM/YOU/WATER/PDF/SPECIÑCATIONS.PDF>.
- [2] INFORMATION SHOWN ON THE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS BASED ON DATA PROVIDED BY UTILITY OWNERS, AVAILABLE RECORDS, AND FIFID SURVEYS, THE PLANS MAY NOT SHOW ALL UTILITIES WITHIN THE PROJECT LIMITS, EITHER ACTIVE OR PLACED OUT-OF-SERVICE, OR THAT SAID UTILITIES ARE ACTUALLY IN THE HORIZONTAL OR VERTICAL POSITIONS SHOWN ON THE PLANS. DETERMINE THE TYPE AND LOCATION OF UTILITIES TO ESTABLISH THEIR LOCATIONS AND TO AVOID DAMAGE TO UNDERGROUND UTILITIES. CALL 811 (SUNSHINE ONE CALL OF FLORIDA) AT LEAST TWO FULL BUSINESS DAYS BEFORE EXCAVATING TO HAVE UNDERGROUND UTILITIES MARKED.
- [3] EXISTING CITY-OWNED WATER AND SANITARY SEWER UTILITIES SHALL REMAIN IN-PLACE UNLESS OTHERWISE INDICATED IN THE
- [4] FOR THE PURPOSE OF THIS CONTRACT. THE TERM "PLACE-OUT-OF-SERVICE" SHALL BE TREATED IN THE FOLLOWING MANNER: REMOVE AND DISPOSE OUT-OF-SERVICE FORCE MAIN THAT DO ANY OF THE FOLLOWING.
- (A) COMPROMISE THE SAFETY OF THE STREET USER DURING CONSTRUCTION AND MAINTENANCE OPERATIONS.
- (B) PREVENT OTHER UTILITIES OR ROADWAY/DRAINAGE FACILITIES FROM BEING PLACED IN THE AREA WHEN ALTERNATIVES ARE UNAVAILABLE.
- (C) CREATE A MAINTENANCE CONDITION THAT WOULD BE DISRUPTIVE TO OPERATION AND TRAFFIC FLOW ON THE STREET.
- (D) ADD COST TO THE CITY.
- IF THE ABOVE CONDITIONS ARE NOT APPLICABLE, IN THE JUDGMENT OF THE ENGINEER, THE CONTRACTOR, AT HIS OPTION MAY EITHER REMOVE THE FORCE MAIN PARTIALLY OR COMPLETELY OR ABANDON THE FORCE MAIN IN-PLACE AND CUT, CAP, AND RESTRAIN ANY AND ALL SEVERED OR OPEN ENDS OF THE FORCE MAIN. THE COST OF PLACING FORCE MAIN OUT-OF-SERVICE, AS DEFINED ABOVE SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS IN THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE FOR PLACING FORCE MAIN OUT-OF-SERVICE.
- [5] MAINTAIN SANITARY SEWER SERVICE TO COMMERCIAL AND RESIDENTIAL CUSTOMERS AT ALL TIMES. PROVIDE PUMPING, AS NEEDED, TO MAINTAIN CONTINUOUS SANITARY SEWER SERVICE DURING CONSTRUCTION. THE COST OF BY-PASS PUMPING SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS IN THE CONTRACT.
- 161 ADJUST EXISTING COT-OWNED SANITARY SEWER MANHOLES, ARV VAULTS, VALVES BOXES, AND WIRE BOXES WITHIN THE LIMITS OF CONSTRUCTION TO MATCH FINISHED GRADES.
- (7) ADJUST EXISTING COT-OWNED WATER VALVES AND METERS WITHIN THE LIMITS OF CONSTRUCTION TO MATCH FINISHED GRADES.
- [8] MAINTAIN WATER SERVICE TO ALL CUSTOMERS AT ALL TIMES. THERE ARE TWO WATER SERVICES WITHIN THE PROJECT LIMITS. SEE PLANS FOR SITE-SPECINC NOTES REGARDING WATER SERVICES.
- [9] TRENCH SHEETING AND BRACING SHALL BE ADEQUATE TO PREVENT CAVE-IN OF TRENCH WALLS, SUBSIDENCE OF AREAS ADJACENT TO THE TRENCH, DAMAGE TO WATER PIPELINES AND OTHER UTILITIES, AND SLOUGHING OF THE BASE OF THE EXCAVATION FROM WATER SEEPAGE. THE RESPONSIBILITY FOR THE ADEQUACY OF ANY SHEETING AND BRACING BELONGS TO THE CONTRACTOR.
- [10] SUPPORT EXISTING WATER MAINS THAT CROSS STORM SEWER TRENCHES SO AS TO PREVENT JOINT SEPARATION AND DAMAGE TO SAID MAINS. THE RESPONSIBILITY FOR THE ADEQUACY OF ANY REQUIRED SUPPORT SYSTEMS BELONGS TO THE CONTRACTOR.
- [11] THE COST OF SHEETING, BRACING, DEWATERING, AND UTILITY SUPPORT SYSTEMS IS CONSIDERED INCIDENTAL TO THE PAY ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT WILL BE MADE FOR SHEETING, BRACING, DEWATERING, OR UTILITY SUPPORT SYSTEMS.
- [12] PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL, ASBUILT RECORD DRAWINGS DEPICTING THE ACTUAL LOCATIONS, DIMENSIONS, AND ELEVATIONS OF THE FINISHED WORK. ALL WORK OF PREPARATION AND SUBMISSION OF ASBUILT RECORD DRAWINGS SHALL BE DONE IN ACCORDANCE WITH SECTION 14 OF THE CITY'S

CONSTRUCTION SEQUENCE:

START CONSTRUCTION JUNE 4, 2011 END CONSTRUCTION SEP. 26, 2011 . SECURE APPROVAL TO COMMENCE CONSTRUCTION FROM ATTENDING A PRE-CONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR ON THE PROJECT SITE AND SUBSEQUENT INSPECTION AND APPROVAL OF INSTALLATION OF PERIMETER EROSION CONTROLS.

- 2. POST ALL PLACARDS. DO NOT NAIL PLACARDS TO TREES.
- 3. FLAG AND STAKE THE LIMITS OF CONSTRUCTION.
- 4. INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS.
- 5. CONSTRUCT TREE BARRICADES.
- 6. DESIGNATE STOCKPILING AND FUELING AREAS AWAY FROM CPZ OF PROTECTED TREES, WATERWAYS, AND
- 7. CLEAR & GRUB REMAINDER OF SITE AND INSTALL IMPROVEMENTS AS INDICATED ON THE SITE PLAN.

8. REMOVE SEDIMENTS FROM THE PIPES AND INLETS DURING CONSTRUCTION AS NECESSARY.

- 9. Stabilize all disturbed areas.
- 10. Two weeks prior to requesting a final environmental inspection, provide all close-out DOCUMENTS, SUCH AS COMPLIANCE REPORTS AND AS-BUILT DRAWINGS, FOR REVIEW AND COMMENT.

CITY OF TALLAHASSEE SPECIAL PROVISIONS

PRESCRIBED TREATMENT FOR REMOVING EFFLUENT FROM SANITARY SEWER FORCEMAIN

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EFFLUENT FROM THE EXISTING ACTIVE 14" PVC FORCEMAIN, FROM STA. 10+50 TO STA. 26+85, IN THE SEQUENCE INDICATED BELOW. REMOVAL AND DISPOSAL OF EFFLUENT FROM SIAD FORCEMAIN IS NECESSARY BEFORE THE CONDUIT CAN BE PLACED-*OUT-OF-SERVICE.*

1. LOCATE THE FORCEMAIN.

2. CONTACT THE CITY OF TALLAHASSEE WATER RESOURCES INSPECTION PROGRAM ENGINEER, MR. JERRY WALDEN, AT 891-6107(0) OR 694-8007(C) AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCING OPERATIONS THAT INVOLVE SAID FORCEMAIN TO COORDINATE FORECMAIN PRESSURE RELIEF AND ISOLATION.

3. TAP AND DRAIN FOCEMAIN.

4. TRANSPORT AND DISPOSE OF EFFLUENT AT T.P. SMITH WASTEWATER TREATMENT PLANT. THERE WILL BE NO CHARGE FOR DISPOSAL AT T.P. SMITH WASTEWATER TREATMENT PLANT.

LEGEND

85.00

80'± R/W

10.0'

TYPICAL SECTION DETAIL FOR SIDEWALK REPLACEMENT

10.0'

45′±

36'±

WV = WATER VALVE

GV = GAS VALVE

PP = POWER POLE

LP = LIGHT POLE

EXISTING

GRADE

AP = ANCHOR POLE

EXISTING BURIED TELEPHONE WIRE		
EXISTING BURIED TELEPHONE WIRE EXISTING UNDERGROUND ELECTRIC EXISTING OVERHEAD WIRE LIMITED ACCESS R/W EXISTING FENCE PROPOSED FENCE HEAVY DUTY SILT FENCE SILT FENCE EXISTING WATER LINE PROPOSED WATER LINE PROPOSED CONTOUR EXISTING CONTOUR EXISTING GAS MAIN PROPOSED GAS MAIN PROPOSED GAS MAIN EXISTING SANITARY SEWER PROPERTY LINE RIGHT-OF-WAY BUILDING SETBACKS EASEMENT EXISTING RAILROAD	FIP = FOUI $FN/C = FO$ $R = RADIUS$ $SN/C = SE$ $R.O.W. = R$ $A = DELTA$ $L = ARC$ $CH = CHOF$ $(P) = PER$ $(D) = PER$ $INV = INVE$ $RCP = REII$ $TCP = TER$ $EL = ELEV$ $PROP. = PI$ $SSMH = SA$ $SWMH = SA$	JND CONCRETE MONUMEN ND IRON PIPE JUND NAIL & CAP S, OR RANGE T NAIL & CAP RIGHT OF WAY ENGTH RD PLAT PROVIDED BY CLIENT DEED
PROPOSED SANITARY SEWER EXISTING FIBER OPTIC PROPOSED FIBER OPTIC	F.A.C. = F	COINT OF BEGINNING CLORIDA ADMINISTRATIVE CITY OF TALLAHASSEE
EXISTING WETLANDS	SWMF = S	TTTCAL TORMWATER MANAGEMEN RRUGATED METAL PIPE
EXISTING TREES	WM	WM = WATER METER
	ĪР	TPED = TELEPHONE PE
EXISTING TREES (TO BE TECHNICALLY REMOVED)	-	INDICATES DIRECTION (
EXISTING SPOT ELEVATION		
PROPOSED SPOT ELEVATION	LEGEND/A	BBREVIATIONS
BM = BENCHMARK AS NOTED	BOC	DACK OF CLIDD

LEGEND/ABB	REVIATIONS
BOC —BT— Ç CMP CPP	BACK OF CURB BURIED TELEPHONE CENTERLINE CORRUGATED METAL PIPE CORRUGATED PLASTIC PIPE CLEANOUT
EOP	EDGE OF PAVEMENT
	ELECTRIC TRANSFORMER
ELEV	ELEVATION
Q	FIRE HYDRANT
FCM	FOUND CONCRETE MONUMENT
FIR O	FOUND IRON ROD
FIRC	FOUND IRON ROD AND CAP
(•)	GUY ANCHOR
HDPE	HIGH DENSITY POLYETHYLENE PIPE(CORRUGING IRRIGATION CONTROL VALVE
LB#	LICENSE BUSINESS NUMBER
\Q	LIGHT POLE
Ę.	MAIL BOX
M.E.S.	MITERED END SECTION
ORB	OFFICIAL RECORDS BOOK
—— OHW——	OVERHEAD WIRE
INV.	PIPE INVERT
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SAN	SANITARY
SEW	SEWER
(S)	SANITARY SEWER MANHOLE
× 0.00	SINGLE POST SIGN
X 0.00	SPOT SHOT SPRINKLER HEAD
*	STORM INLET
	STORM MANUALE

CODE NT FACILITY EDESTAL OF FLOW

BOC		BACK OF CURB
——ВТ—	_	BURIED TELEPHONE
<u>Ç</u>		CENTERLINE
CMP		CORRUGATED METAL PIPE
CPP		CORRUGATED PLASTIC PIPE
		CLEANOUT
EOP		EDGE OF PAVEMENT
		ELECTRIC TRANSFORMER
ELEV		ELEVATION
	\Box	FIRE HYDRANT
FCM		FOUND CONCRETE MONUMENT
FIR	0	FOUND IRON ROD
FIRC		FOUND IRON ROD AND CAP
	0	GUY ANCHOR
HDPE		HIGH DENSITY POLYETHYLENE PIPE(COF
	\bigcirc	IRRIGATION CONTROL VALVE
LB#		LICENSE BUSINESS NUMBER
	\Diamond	LIGHT POLE
	Ļ	MAIL BOX
M.E.S.		MITERED END SECTION
ORB		OFFICIAL RECORDS BOOK
– OHW	-	OVERHEAD WIRE
INV.		PIPE INVERT
PVC		POLYVINYL CHLORIDE PIPE
RCP		REINFORCED CONCRETE PIPE
R/W		RIGHT OF WAY
SAN		SANITARY
SEW		SEWER
	(S)	SANITARY SEWER MANHOLE
	-	SINGLE POST SIGN
X 0.		SPOT SHOT
	*	SPRINKLER HEAD
	\ominus	STORM INLET
	(D)	STORM MANHOLE
		TELEPHONE PEDESTAL
	•	TEMPORARY BENCHMARK
-	◆	UTILITY POLE
	W	WATER METER
14/54	DWI	WATER LINE
		WATER LINE
	WP	WIRE PULL BOX
		ELECTRIC METER
	© G	ELECTRIC RISER
		GAS METER

□ BACKFLOW PREVENTER

AIR RELEASE VALVE

930 THOMASVILLE ROAD

SUITE 200 TALLAHASSEE, FLORIDA

PHONE 850.298.4213 FAX 850.298.4498 WWW.INOVIAGROUP.COM

PLAN RELEASE STATUS

PROGRESS PRINT PERMIT RELEASE BID RELEASE CONSTRUCTION RELEAS

ELEASE DATE: 25 MAR II RAWN BY ANDY ECKED BY SCALE: AS SHOWN

RICHARD A. JENKINS, P.E PE NO.: 68365

DATE: 25 MAR II

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813-888-8300

850-878-8595

2) THE SIDEWALK CONSTRUCTION MUST MEET ADA REQUIREMENTS.

EXISTING SIDEWALK

EXISTING LOCATION

1. MINIMUM SIDEWALK WIDTH IS 5 FEET WHEN THERE IS A

CONCRETE AT DRIVEWAY TURNOUTS

SUFFICIENT BUFFER BETWEEN THE SIDEWALK AND THE EDGE OF

PAVEMENT. MINIMUM 4 INCH THICK CONCRETE, 3000 PSI OR

STRONGER AND REINFORCED BY FIBER AND MINIMUM 6 INCH OF

CONTRACTOR TO MATCH

(TO BE REPLACED)

STR. TY NO.	STATION	DESCRIPTION	5.45551.6	STC	ORMDRAIN	C	CURB INLE	TS		MANH	HOLES		SPECIAL	INLETS		MES		CONCRETE					1
1 1 NO.			BARRELS	18" 30)" 42" 45	5"X29" P: </th <th>7-5 J-5 10' <10'</th> <th>8 <10'</th> <th>P-8 <10'</th> <th>P-8 >10'</th> <th>J-8 <10'</th> <th>J-8 >10'</th> <th><10'</th> <th>>10'</th> <th>18"</th> <th>42"</th> <th>MULT. 45"X29"</th> <th>CLASS I (CY)</th> <th></th> <th>REMARKS</th> <th></th> <th></th> <th>6</th>	7-5 J-5 10' <10'	8 <10'	P-8 <10'	P-8 >10'	J-8 <10'	J-8 >10'	<10'	>10'	18"	42"	MULT. 45"X29"	CLASS I (CY)		REMARKS			6
S-1.A	10+62	ENDWALL, PIPE	1	173	3'								.,,	710			10 / (2 /	4.5					F
6.18	12+18	ENDWALL	1															4.5			 -		Z
S-I.B	12110	LNDWALL	, , , , , , , , , , , , , , , , , , ,															4.0					
S-2	10+96	PIPE, INLET, PIPE	1	10	' 113'								1										
S-3	12+08	MANHOLE, PIPE,	1		408'						1										 - (
3-3	12 + 00	TIANTIOLE, TILE,	1		400						,											=	
S-4	16+16	MANHOLE, PIPE	1		350'							1											
S-5	19+66	MANHOLE, PIPE	1		350'							1									 930 TH	HOMAS	١
3-0	17700	HANHOLL, THE	,									,									 - TALLA	AHASSE	Ξ
S-6	13+16	MANHOLE, PIPE	1		223'							1									PH ⁽	HONE 8	3
S-7	25+39	MANHOLE, PIPE, MES			72'						1										 WWW.IN	NOVIAC	:
3-7	20107	TIANTOLL, FILL, FILO	,		/ _						,												•
	22+00	MES, PIPE, MES	1	60'											2								
	24+10	MES, PIPE, MES	1	31'											2						 - P		
	24110	.,,,	<u> </u>												_						 +++	++	,
	16+00	MES, PIPE, MES	1	15'											2]		
	33+25	MES, PIPE, MES	2			98'											2				 -		
																					_		
	36+25	MES, PIPE, MES	2			40'											2				 SIONS		
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—		PLAN QUANTITY		106' 183	3' 1516'	138'	0 0	0	0	0	2	3	1	3	3	1	4	9			- B	$oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$	_
10	DTALS	FINAL QUANTITY		,55 ,750							_		, 			'	<u> </u>	,					

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PAY ITEM NOTES:

I. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING ARE INCLUDED IN THE UNIT PRICES FOR CONCRETE PIPE CULVERT AND OTHER ITEMS AS DESCRIBED IN THE PAY ITEM NOTES.

- 2. NO SEPARATE PAYMENT WILL BE MADE FOR FILTER FABRIC. THE COSTS FOR FILTER FABRIC ARE INCLUDED IN THE UNIT PRICES FOR CONCRETE PIPE CULVERT, CONCRETE BOX CULVERT, AND OTHER ITEMS AS DESCRIBED IN THE PAY
- 3. ADDITIONAL QUANTITIES OF EROSION CONTROL AND/OR TREE PROTECTION ITEMS MAY BE NECESSARY AS DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR PREPARATION OF AN APPROVED CONSTRUCTION PROGRESS SCHEDULE, AN APPROVED PRECONSTRUCTION SURVEY, AN APPROVED TRAFFIC CONTROL PLAN, AN APPROVED DEWATERING PLAN, AN APPROVED SEDIMENT AND EROSION CONTROL PLAN, AND FURNISHING, INSTALLING AND REMOVING THE PROJECT SIGNS.

102-1 [MAINTENANCE OF TRAFFIC]: THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO SAFELY MAINTAIN TRAFFIC AROUND OR THROUGH THE WORK ZONE NOT INCLUDED FOR PAYMENT UNDER OTHER RELATED PAY ITEMS, INCLUDING WARNING AND REGULATORY SIGNS, MESSAGE BOARDS, DRUMS, BARRICADES, CHANNELIZING DEVICES, TEMPORARY CONCRETE BARRIER, WARNING LIGHTS, FLAGGERS, AND FOR THE MAINTENANCE OF EXISTING DRIVEWAYS, TEMPORARY PAVEMENT, AND REMOVAL AND REINSTALLATION OF EXISTING SIGNS IN CONFLICT WITH CONSTRUCTION AS

104-10-3 [SEDIMENT BARRIER]:

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIAL NECESSARY FOR THE INSTALLATION OF SEDIMENT BARRIERS SUCH AS SYNTHETIC BALES, SILT FENCE, AND OTHER SIMILAR MATERIALS TO PROTECT AGAINST DOWNSTREAM ACCUMULATION OF SEDIMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

104-18 RUBBLE RIPRAP FOR EROSION CONTROL THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION AND MAINTENANCE OF RUBBLE RIPRAP TEMPORARY SEDIMENT BARRIERS, INCLUDING EXCAVATION OF SEDIMENT SUMPS, PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED SEDIMENT, AND REMOVAL AND DISPOSAL OFF SITE OF RUBBLE RIPRAP AT COMPLETION OF CONSTRUCTION.

IIO-I-I [CLEARING AND GRUBBING]:

THE UNIT PRICE ALSO INCLUDES REMOVAL AND DISPOSAL OF CURBS, SIDEWALKS, DRIVEWAYS, DRAINAGE STRUCTURES, PIPES, SIGNING AND STRIPING AND ALL OTHER STRUCTURES AND OBSTRUCTIONS NECESSARY TO BE REMOVED AND FOR WHICH OTHER ITEMS OF THE CONTRACT DO NOT SPECIFY THE REMOVAL THEREOF. PARTIAL PAYMENTS WILL BE BASED UPON THE ESTIMATED TOTAL VALUE OF WORK COMPLETED TO THE DATE OF THE ESTIMATE AS DETERMINED BY THE ENGINEER. ALL PARTIAL ESTIMATES AND PAYMENTS ARE SUBJECT TO CORRECTION IN SUBSEQUENT ESTIMATES AND

110-2-212, 110-2-219, 110-2-225, 110-2-231, 110-2-236

TREES IDENTIFIED AS TECHNICAL REMOVALS SHALL BE PROTECTED DURING CONSTRUCTION AS INDICATED IN THE PLANS. THE EXTENT OF IMPACTS TO TREES DURING CONSTRUCTION WILL BE DETERMINED BY THE LEON COUNTY PUBLIC WORKS. ACCORDINGLY THE CONTRACTOR WILL BE DIRECTED BY LEON COUNTY PUBLIC WORKS TO REMOVE SPECIFIC TREES.

125-3 [SELECT BEDDING MATERIAL]:

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL WORK REQUIRED FOR FURNISHING, PLACING, AND COMPACTING SELECT MATERIAL FOR THE INSTALLATION OF CONCRETE PIPE TO THE LIMITS AND DENSITIES SPECIFIED ON THE PLANS. FINAL PAY QUANTITY WILL BE PLAN QUANTITY WITH NO CONSIDERATION FOR SPECIFICATION TOLERANCES.

430-175-118, 430-175-130 , 430-175-30, 430-175-142, 430-175-4529 [CONCRETE PIPE CULVERT (CLASS III)]: THE UNIT PRICE ALSO INCLUDES PAYMENT FOR SHEETING AND/OR SHORING, DEWATERING, FILTER FABRIC, PLACING, AND COMPACTING SELECT BEDDING MATERIAL TO THE LIMITS AND DENSITIES SHOWN ON THE PLANS, AND FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON SITE.

334-1-2 SUPERPAVE ASPHALTIC CONCRETE

THE UNIT PRICE ALSO INCLUDES ADJUSTMENT OF ALL EXISTING UTILITY FRAMES AND COVERS AND ALL WATER AND GAS VALVES WITHIN THE LIMITS OF CONSTRUCTION TO BE FLUSH WITH FINISHED PAVEMENT AND ALL REQUIRED SIGNING

430-834 CONCRETE COLLARS AND JACKETS
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO INSTALL CONCRETE COLLARS FOR JOINING MAINLINE PIPE AND STUB PIPE AND TO INSTALL CONCRETE JACKETS FOR CONNECTING DISSIMILAR TYPES OF PIPE AND CONCRETE PIPES WITH DISSIMILAR JOINTS IN ACCORDANCE WITH STANDARD INDEX NO.

430-840 VIDEO TAPING PIPE CULVERTS AND STORM SEWERS THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR VIDEO TAPING ALL PIPE CULVERTS AND STORM SEWERS.

520-1-8: CONCRETE CURB & GUTTER (REPLACE): THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR CONSTRUCTION OF CONCRETE CURB & GUTTER, INCLUDING ALL FORMING, CONTRACTION JOINT FORMING, EXPANSION JOINT CONSTRUCTION, STEEL REINFORCEMENT, FINISHING, BACKFILL, AND COMPACTION.

570-1-2: PERFORMANCE TURF (SODDING) THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR ESTABLISHING A STAND OF GRASS BY SODDING, INCLUDING FURNISHING AND PLACING SOD, FERTILIZER, WATER, AND MAINTENANCE.

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION AND MAINTENANCE OF TREE PROTECTION BATTER BOARDS, INCLUDING MATERIAL AND POSTS, AND REMOVAL AND DISPOSAL OFF SITE OF TREE PROTECTION BATTER BOARDS UPON COMPLETION OF CONSTRUCTION.

TREES TO BE TECHNICAL	
Tree Size & Type	Debit
30" OAK	10
15"OAK	6
12"OAK	4
12"OAK	4
21"OAK	8
18"CHERRY	6
20"PINE	8
26"OAK	10
17"OAK	6
17"OAK	6
18"OAK	6
18"OAK	6
22"PINE	8
20"OAK	8
21"OAK	8
25"OAK	10
14"OAK	6
25"OAK	10
20"OAK	8
33"OAK	16
14"OAK	6
19"OAK	8
14"OAK	6
36"OAK	16
52"OAK	28
36"OAK	16
40"OAK	20
30"OAK	10
20"OAK	8

PROJEC PLAN RELEASE STATUS PROGRESS PRINT PERMIT RELEASE BID RELEASE CONSTRUCTION RELEASE RELEASE DATE: 25 MAR II ANDY CHECKED BY RAJ SCALE: AS SHOWN RICHARD A. JENKINS, P.E. PE NO.: 68365 DATE: 25 MAR II

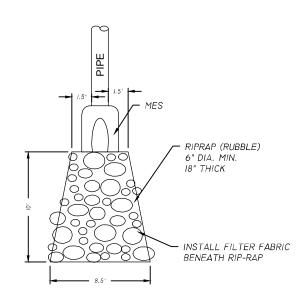
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SEDIMENT AND EROSION CONTROL NOTES

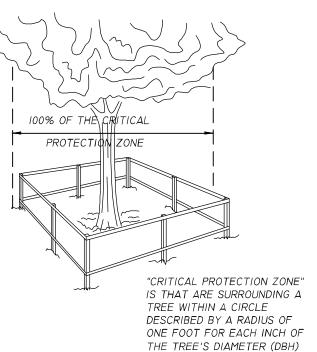
- 1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL AND ABATEMENT OF EROSION, WATER POLLUTION AND THE TRANSPORTATION OF ERODED MATERIALS OFF SITE. THE CONTRACTOR'S SELECTED MEANS, METHODS, AND CONSTRUCTION PHASING MAY REQUIRE MODIFICATION OF THE ENVIRONMENTAL CONTROLS IDENTIFIED ON THIS SEDIMENT AND EROSION CONTROL PLAN.
- 2. IF MODIFICATION OF THIS SEDIMENT AND EROSION CONTROL PLAN IS REQUIRED, THE CONTRACTOR SHALL PREPARE A NEW SEDIMENT AND EROSION CONTROL PLAN. THE CONTRACTOR'S SEDIMENT AND EROSION CONTROL PLAN SHALL ADDRESS THE SEQUENCE OF CONSTRUCTION AND THE INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL DEVICES TO BE USED DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT THE NEW SEDIMENT AND EROSION CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL
- 3. THE CONTRACTOR IS REQUIRED TO UPDATE THE APPROVED SEDIMENT AND EROSION CONTROL PLAN TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE TRANSFER OF ERODED MATERIALS ONTO ANY OFF SITE PARCEL OR INTO ANY RECEIVING WATER, OR TO PREVENT OTHERWISE VIOLATING STATE AND/OR FEDERAL PERMIT REQUIREMENTS.
- 4. THE CONTRACTOR SHALL OBTAIN AN ENVIRONMENTAL MANAGEMENT PERMIT FROM THE LEON COUNTY GROWTH MANAGEMENT DEPARTMENT FOR ALL STOCKPILE AND CONSTRUCTION STAGING AREAS LOCATED OUTSIDE THE LIMITS OF COUNTY RIGHT OF WAY OR COUNTY PROPERTIES.
- 5. THE CONTRACTOR SHALL OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NPDES) FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING NOTICE OF CONSTRUCTION COMMENCEMENT AND AS-BUILT CERTIFICATIONS TO THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
- 7. THE CONTRACTOR SHALL PREPARE AND SUBMIT A DEWATERING PLAN TO THE PROJECT ENGINEER, THE COUNTY'S GROWTH MANAGEMENT DEPARTMENT, AND THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT. THE DEWATERING PLAN SHALL INCLUDE DEWATERING DETAILS, METHODS FOR CONTAINMENT OF DISCHARGE, METHODS OF ISOLATING DEWATERING AREAS, AND THE PERIODS THAT DEWATERING STRUCTURES WILL BE IN PLACE AS REQUIRED BY THE WATER MANAGEMENT DISTRICT. ALL PUMPED WATER SHALL BE FILTERED PRIOR TO ENTERING THE DOWNSTREAM STORMWATER CONVEYANCE SYSTEM. CONSTRUCTION WILL NOT BEGIN UNTIL THE PLAN HAS BEEN APPROVED.
- 8. EROSION AND SEDIMENT CONTROLS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. ALL SEDIMENT AND EROSION CONTROL DEVICES, AS DETAILED ON THE APPROVED SEDIMENT AND EROSION CONTROL PLAN, SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. EROSION CONTROL MEASURES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING EROSION CONTROL FEATURES AT ALL CONSTRUCTION ENTRANCE/EXITS. THE FEATURES SHALL MINIMIZE THE OFF-SITE TRACKING OF DUST/DEBRIS FROM THE PROJECT SITE ONTO ROADWAYS.
- 10. THE AMOUNT OF AREA DISTURBED AT ONE TIME SHALL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS SHALL BE CONTROLLED TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE
- 11. EXCAVATED MATERIAL WILL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR BY STORMWATER RUNOFF, AND STOCKPILES WILL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES. ALL CONSTRUCTION STAGING AND STOCKPILE AREAS ARE TO BE ENCLOSED WITH TYPE IV SILT FENCE.
- 12. MATERIAL STOCKPILING SHALL NOT BE LOCATED WITHIN ENVIRONMENTALLY SENSITIVE AREAS. THE CONTRACTOR SHALL HAVE THE STOCKPILE LOCATION APPROVED BY THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. METHODS FOR CONTROLLING EROSION FROM THE STOCKPILE SHALL BE ADDRESSED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER PRIOR TO CONSTRUCTION.
- 13. DURING THE INSTALLATION OF STORM DRAIN OR UTILITY PIPING, HAY BALE BARRIERS SHALL BE PLACED BELOW THE WORK ZONES AT LOCATIONS DETERMINED BY THE ENGINEER OR THE COUNTY'S ENVIRONMENTAL INSPECTOR TO AID IN CONTROLLING THE TRANSFER OF ERODED MATERIAL OFF SITE.
- 14. NEW AND EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. SILT FENCE, BAILED HAY OR STRAW BARRIERS SHALL BE PLACED AROUND ALL INCOMPLETE STORMWATER INLETS AND MANHOLES DURING CONSTRUCTION IN ACCORDANCE WITH STANDARD INDEX NO. 102. PERFORATED SOCK PIPE SHALL BE PLACED ACROSS THE THROATS OF ALL EXISTING AND COMPLETED INLETS.
- 15. ASPHALT PAVEMENT MILLINGS OR FINE TYPE SP ASPHALTIC CONCRETE (1 ½" MIMIMUM) SHALL BE PLACED IN DISTURBED PAVEMENT AREAS TO PROVIDE A STABLE NON-ERODABLE DRIVING SURFACE UNTIL THE FINAL PAVEMENT IS PLACED.
- 16. EXISTING FLOW CAPACITY SHALL BE MAINTAINED IN THE DRAINAGE SYSTEMS TO CONVEY RUNOFF FROM RAIN STORMS THAT OCCUR DURING CONSTRUCTION. EXISTING DRAINAGE PIPES THAT ARE NOTED TO BE PLUGGED OR REMOVED SHALL REMAIN IN SERVICE UNTIL FLOWS CAN BE DIVERTED TO THE NEW DRAINAGE SYSTEM. WHERE NEW PIPES ARE TO BE INSTALLED IN CLOSE PROXIMITY TO EXISTING PIPES THAT ARE TO BE REMOVED, PROVISIONS SHALL BE MADE TO DIVERT FLOWS FROM THE EXISTING PIPES TO THE NEW PIPES PRIOR TO RAIN STORMS. TEMPORARY PIPES SHALL BE PLACED FOR THIS PURPOSE PRIOR TO SUSPENSION OF WORK ACTIVITIES
- 17. NO MORE THAN 500 FEET OF STORM DRAIN OR UTILITY PIPING SHALL BE INSTALLED WITHOUT BACKFILLING AND COMPACTING THE PIPE TRENCH.
- 18. FIELD CONDITIONS MAY REQUIRE THE USE OF ADDITIONAL TYPES AND QUANTITIES OF SEDIMENT AND EROSION CONTROL DEVICES DURING CONSTRUCTION AS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, OR AS DIRECTED BY THE ENGINEER OR THE CITY'S ENVIRONMENTAL INSPECTOR.
- 19. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY AND AFTER EACH RAIN STORM TO ENSURE THAT THE DEVICES ARE PROPERLY LOCATED AND MAINTAINED FOR EFFECTIVENESS. ANY REQUIRED REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY
- 20. SEDIMENT TRAPPED BY THE EROSION CONTROL DEVICES IS TO BE REMOVED BY THE CONTRACTOR AFTER EACH RAIN STORM.
- 21. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE BUT IN NO CASE NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THOSE PORTIONS OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- 22. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN, AND ALL MONITORING AND REPORTING REQUIRED BY ALL PERMITTING AGENCIES.
- 24. THE CONTRACTOR SHALL RETAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT ISSUED BY THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT ON-SITE AT ALL TIMES.
- 25. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW THE COMPLETE ENVIRONMENTAL RESOURCE PERMIT.
- 26. THE CONTRACTOR SHALL PLACE AN 8.5 X 11 WEATHER RESISTANT SIGN CONTAINING THE ENVIRONMENTAL RESOURCE PERMIT NUMBER SO THAT IT CAN BE VIEWED FROM THE ROADWAY.
- 27. IN THE EVENT THAT A SINKHOLE SHOULD OCCUR DURING CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT IMMEDIATELY.

TREE PROTECTION NOTES

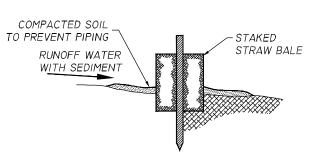
- 1. THE CONTRACTOR SHALL PRESERVE ALL TREES WITHIN THE LIMITS OF CONSTRUCTION. A TREE PROTECTION BARRICADE IS TO BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE OF EACH TREE PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY AND IS TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
- 2. ALL TREE ROOTS 3/4" IN DIAMETER AND LARGER EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL IN THE SAME DAY, THE ROOTS SHALL BE RECUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION.



RIPRAP (RUBBLE) DETAIL



TREE PROTECTION BARRICADE

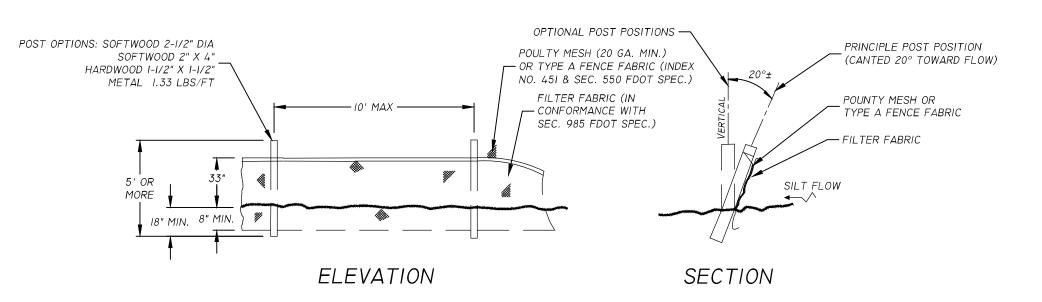


CONSTRUCTION SPECIFICATIONS

- I. BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
- 2. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW WITH THE ENDS
- OF ADJACENT BALES PRESSED TOGETHER.

 3. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT
- LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
 4. LOOSE STRAW SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM ENTERING BETWEEN BALES.

HAY BALE DETA



TYPE IV SILT FENCE

NOTE: SILT FENCE TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 102.

930 THOMASVILLE ROAD SUITE 200 TALLAHASSEE, FLORIDA 32303 PHONE 850.298.4213 FAX 850.298.4498 WWW.INOVIAGROUP.COM CA8225

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PLAN RELEASE STATUS

PROGRESS PRINT

PERMIT RELEASE

BID RELEASE

CONSTRUCTION RELEASE
RELEASE DATE: 25 MAR II

INITIAL DAT

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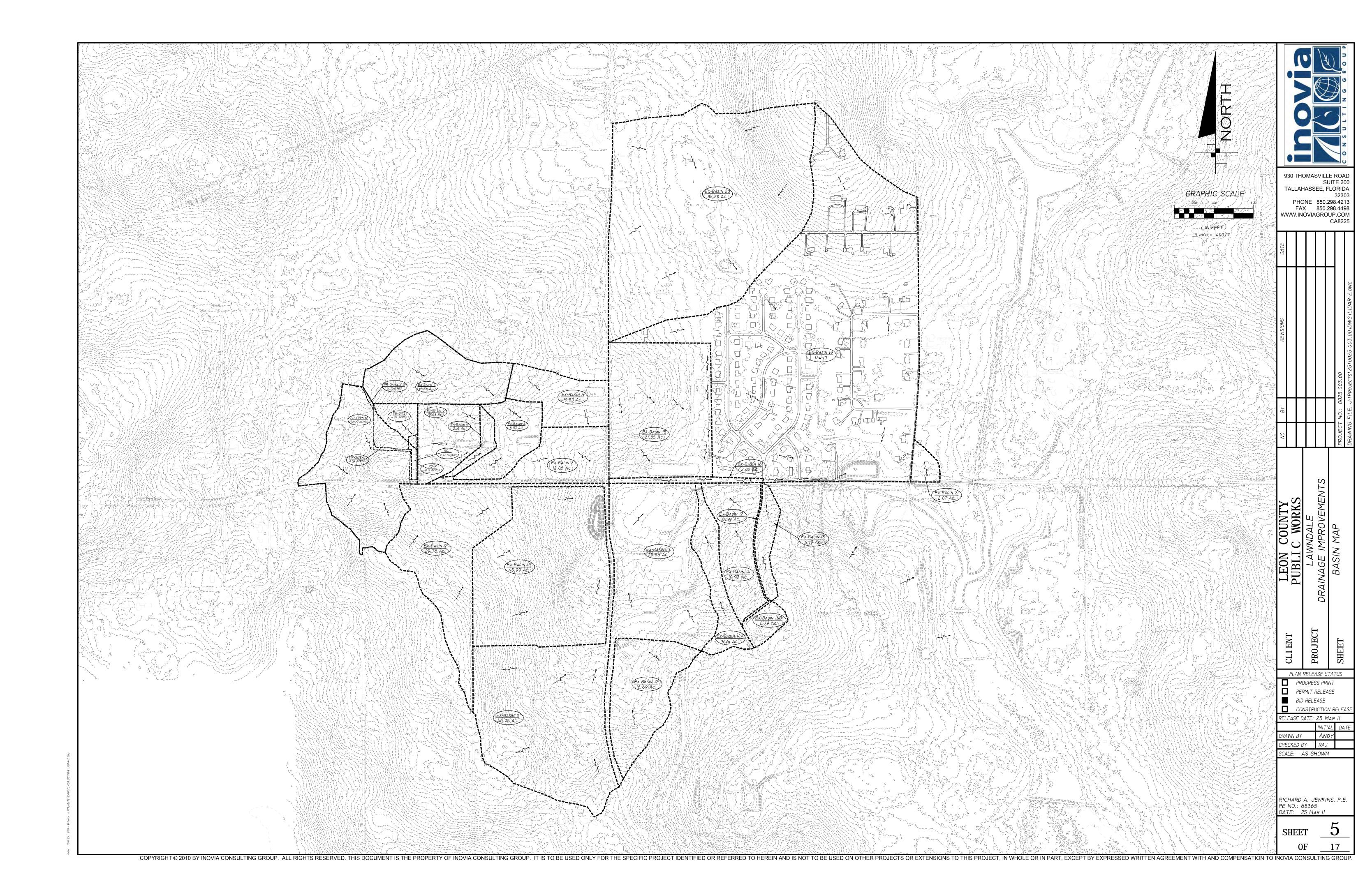
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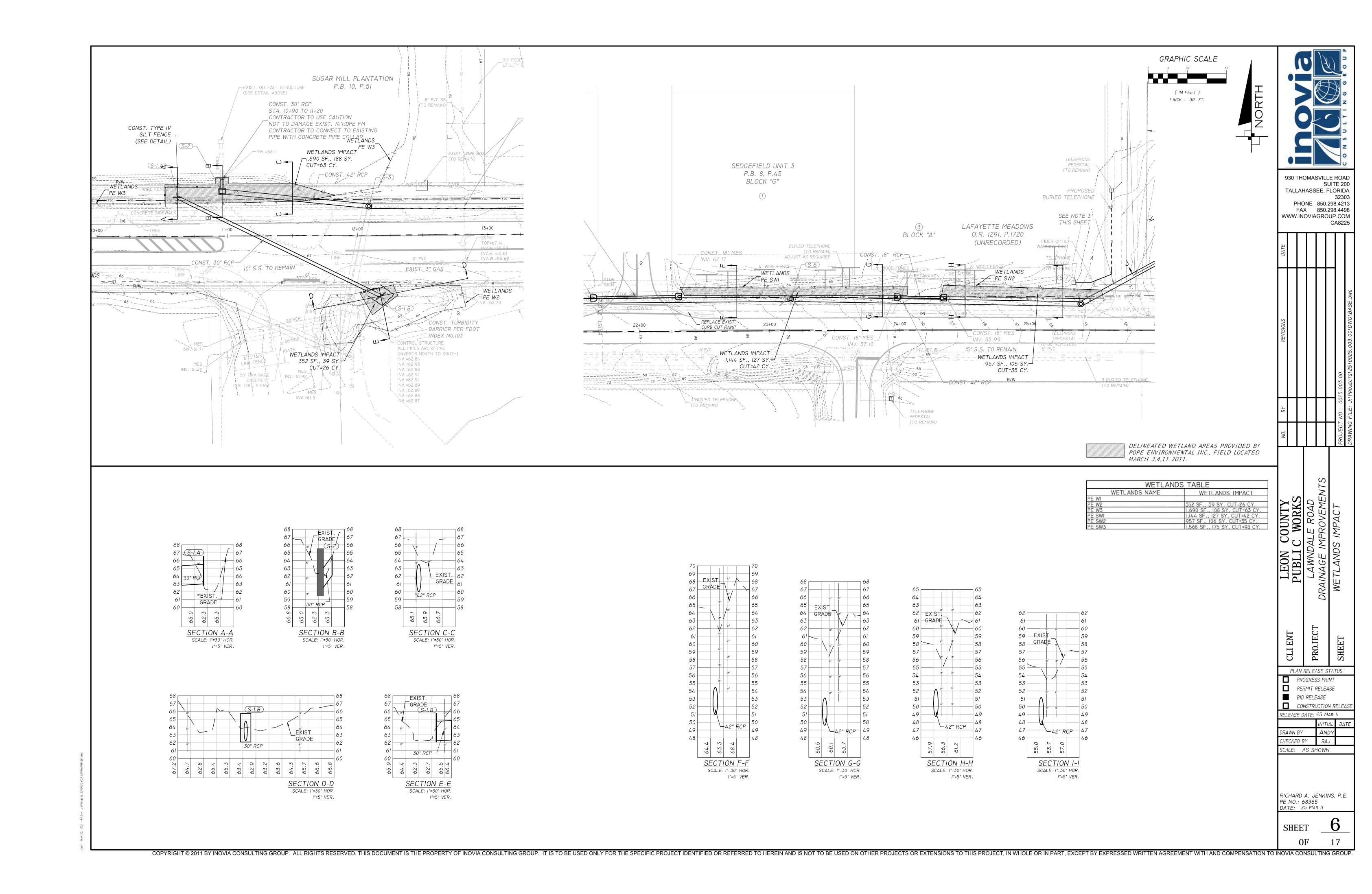
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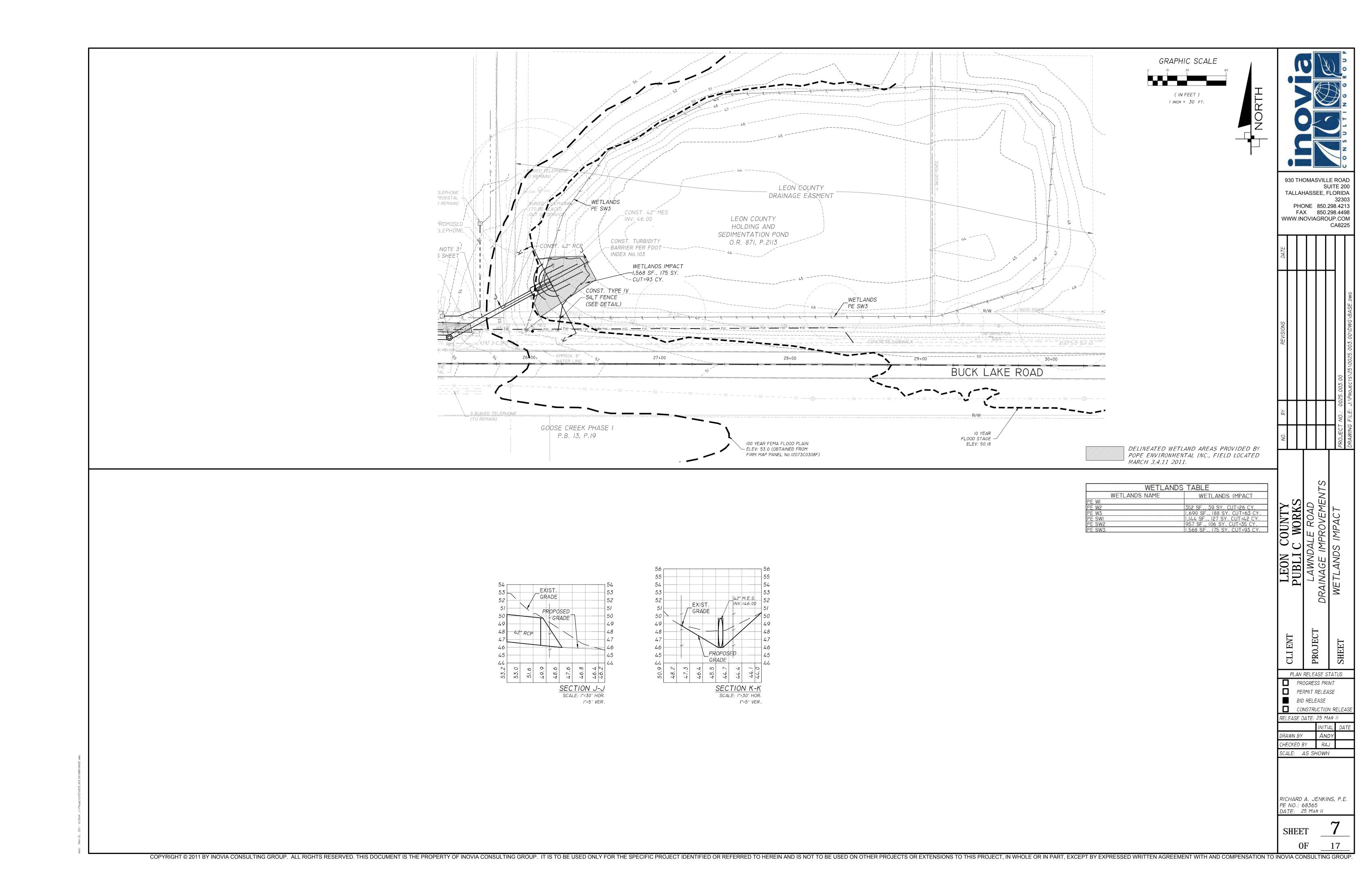
RICHARD A. JENKINS, P.E PE NO.: 68365 DATE: 25 MAR II

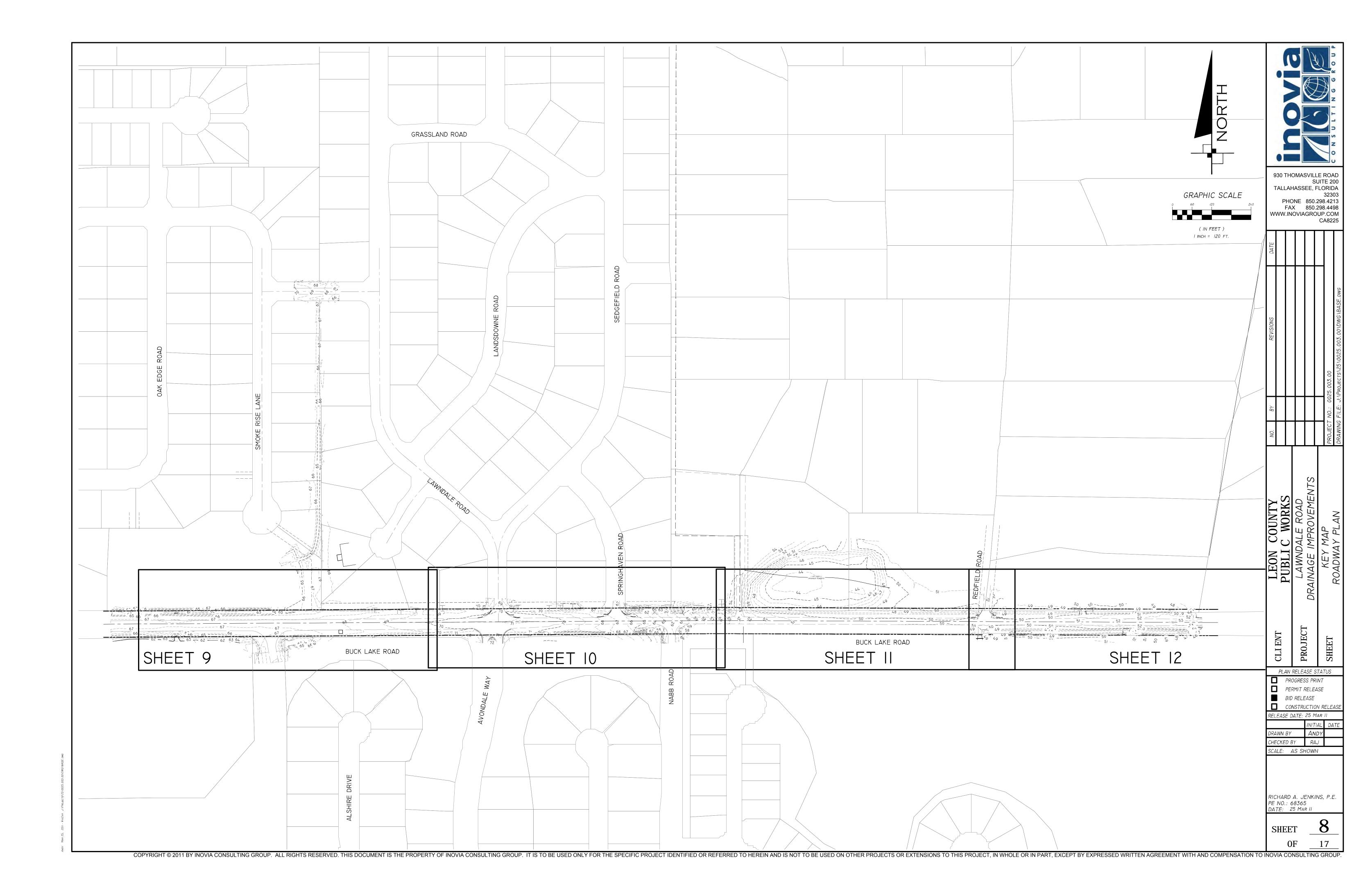
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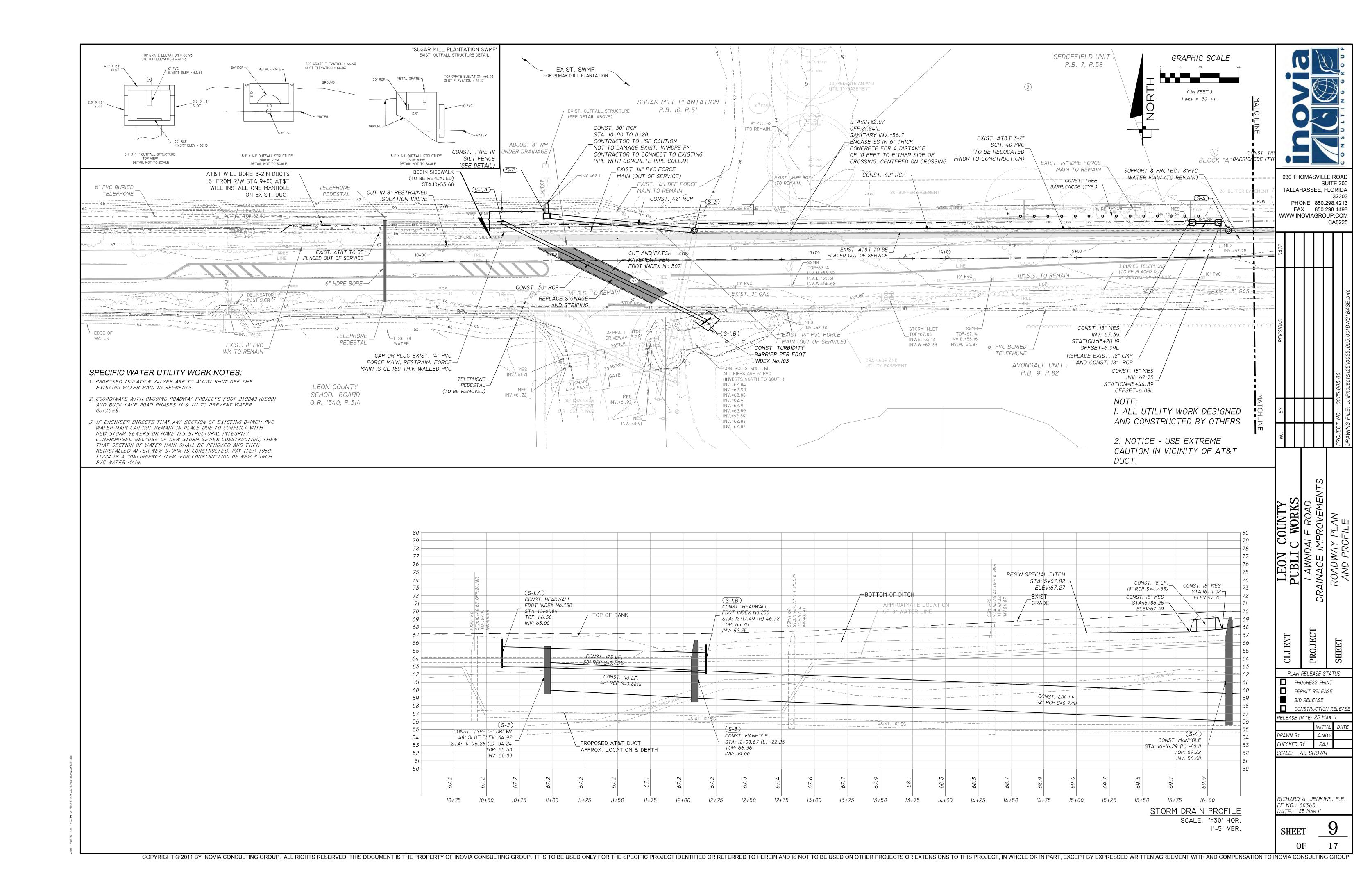
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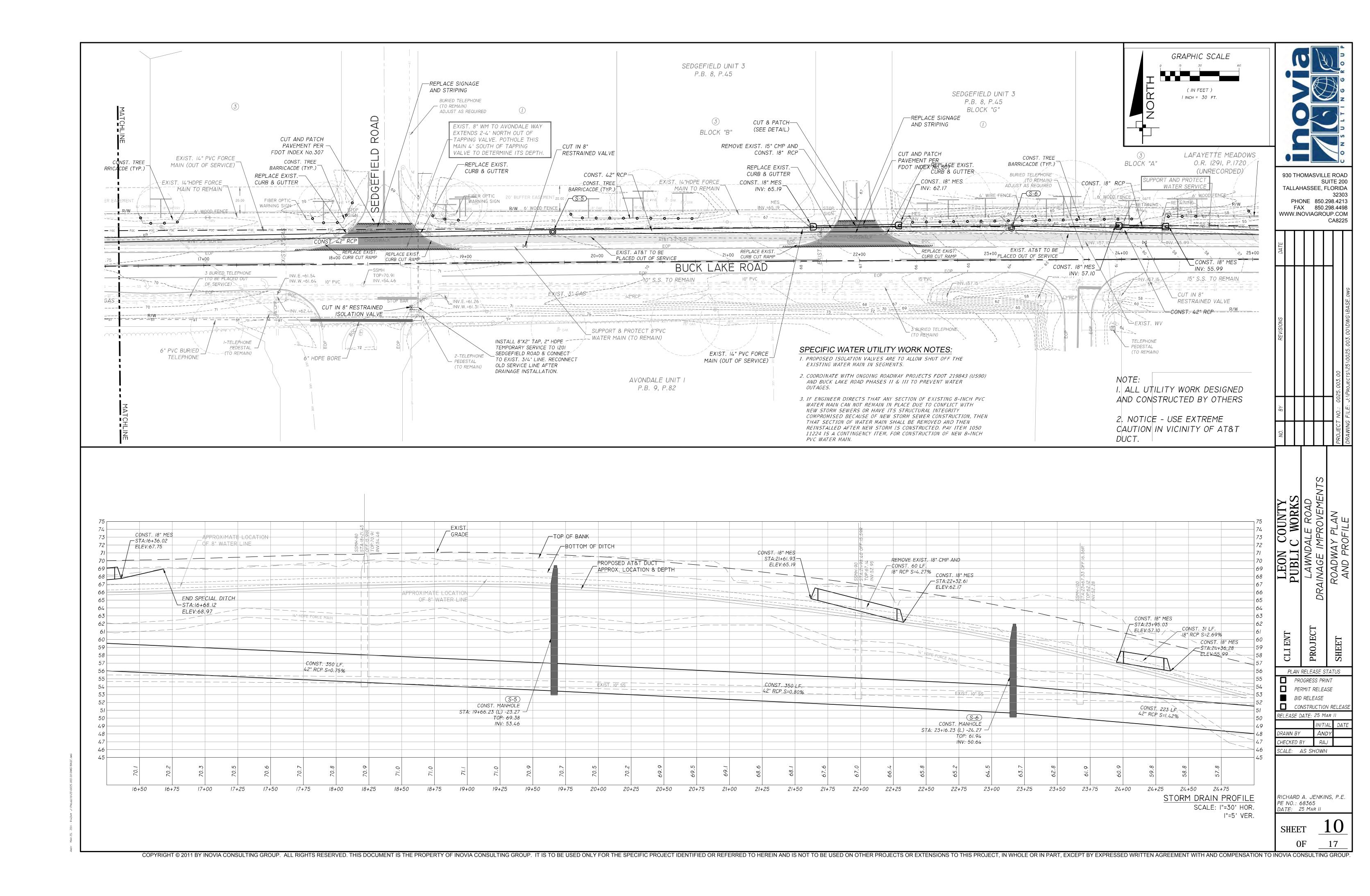


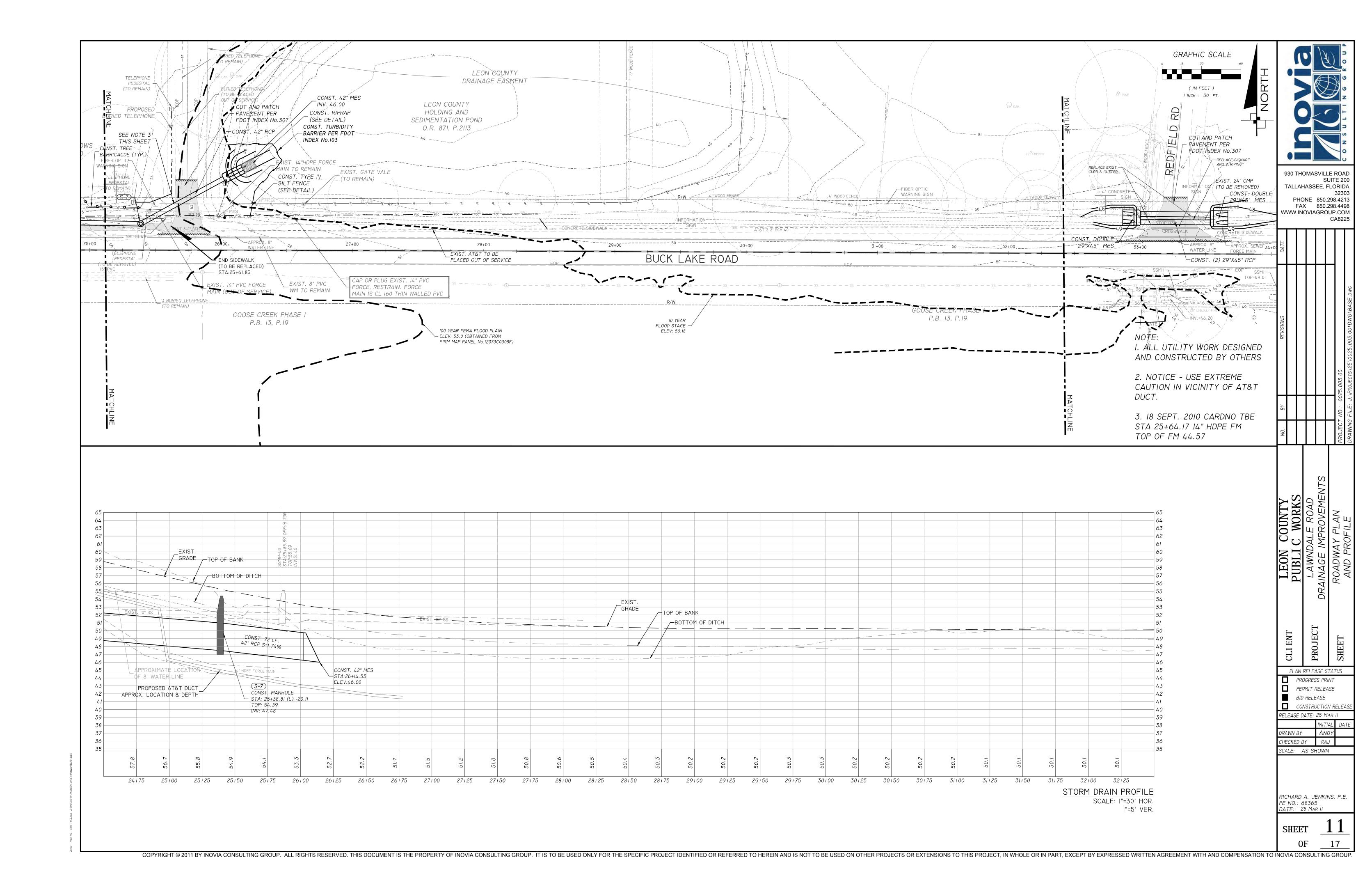


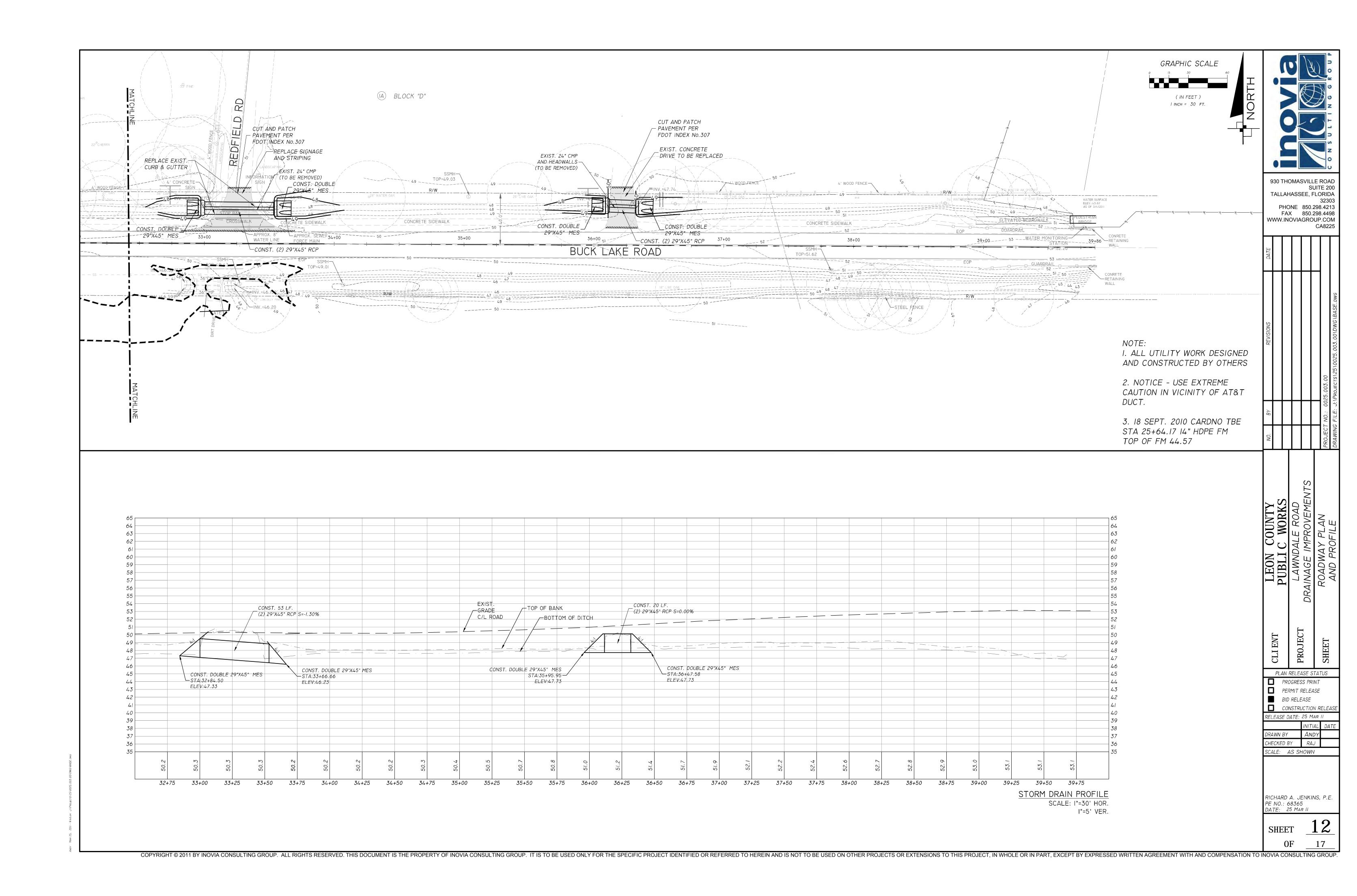


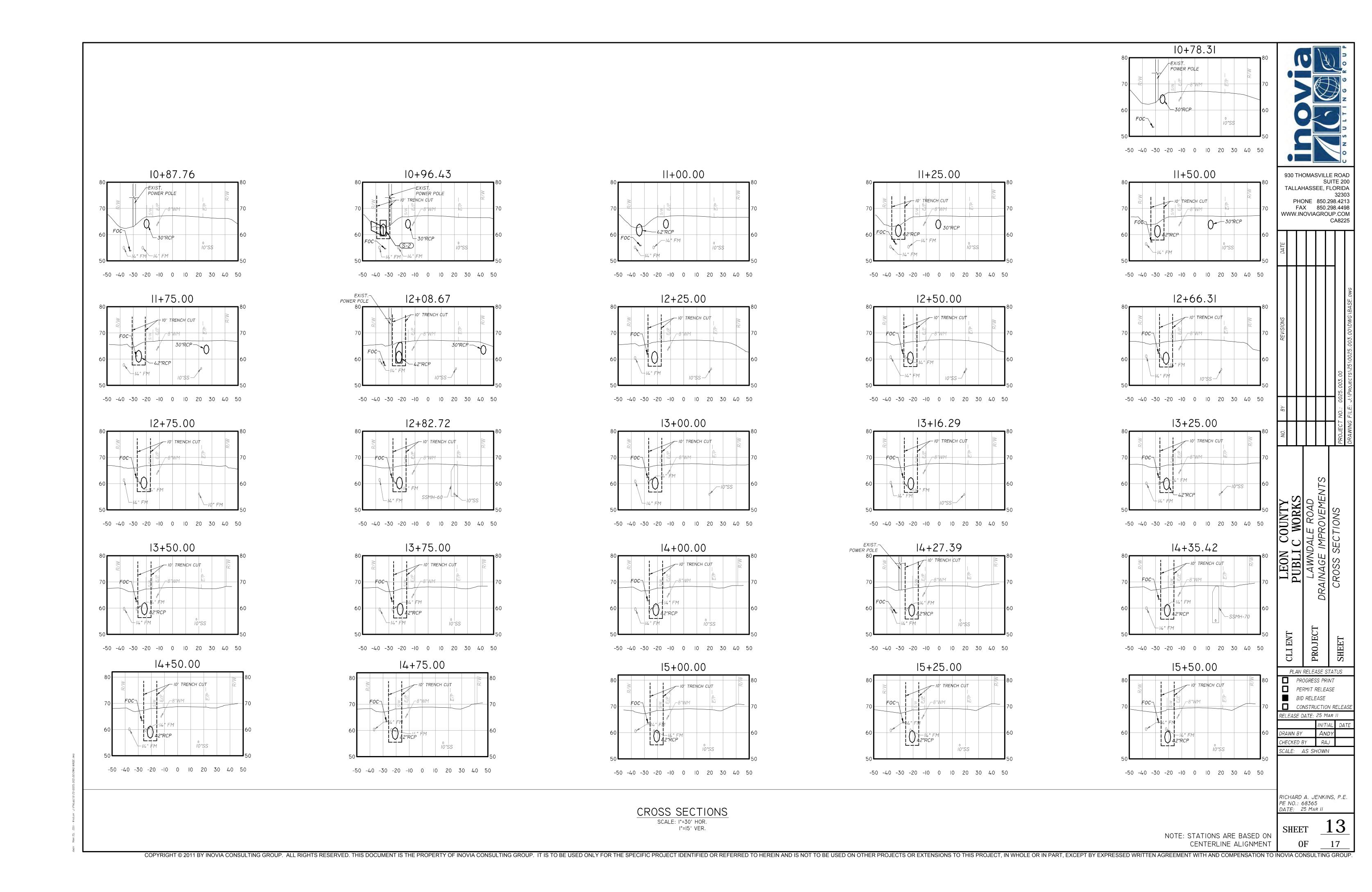


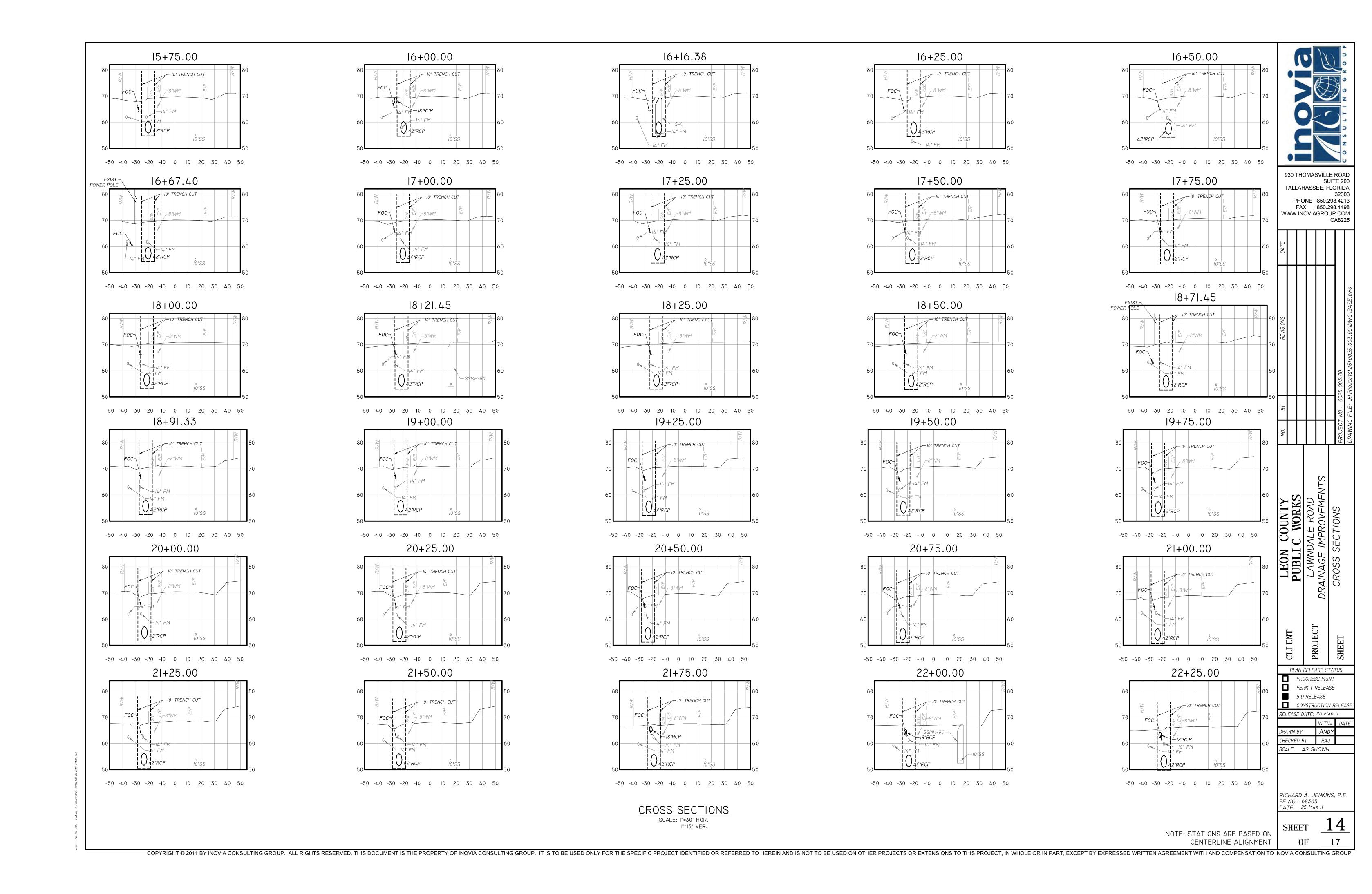


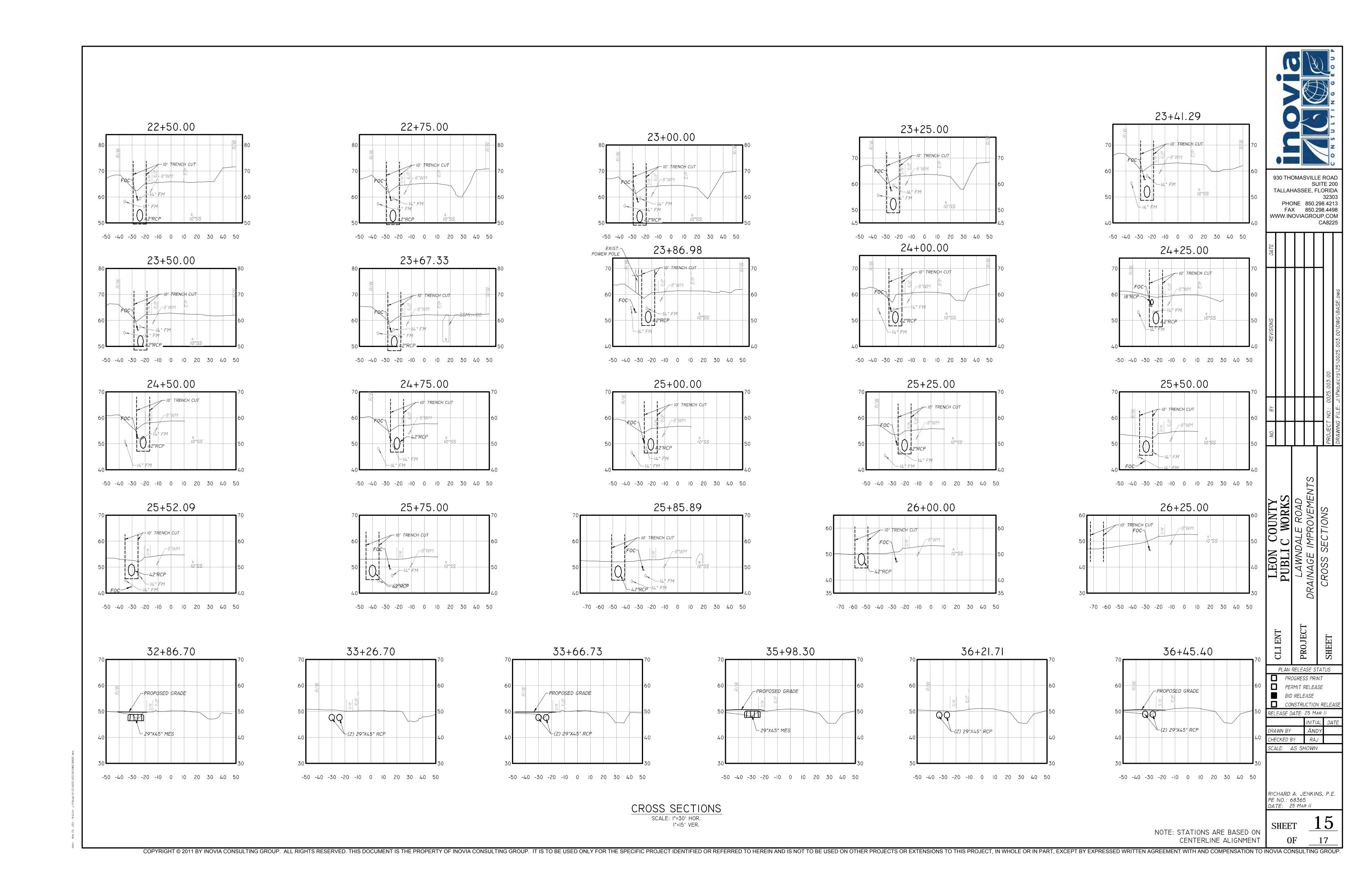












MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

The Florida Department of Transportation has adopted the "Manual On Uniform Traffic Control Devices For Streets And Highways" (MUTCD) and subsequent revisions and addendums, as published by the U.S. Department of Transportation, Federal Highway Administration, for mandatory use on the State Maintained Highway System whenever there exists the need for construction, maintenance operations

ABBREVIATIONS

or utility work.

Abbreviations assigned to the 600 series Design Standards and applicable to traffic control plans, unless otherwise identified in the plans, are as follows:

CFR Code of Federal Regulations DTOE District Traffic Operations Engineer FDOT

Florida Department Of Transportation HAR Highway Advisory Radio

Taper Length, Buffer Length Or Taper Length Plus Buffer Space Motorist Awareness System MAS

MOT Maintenance Of Traffic MDTCMaintenance Of Traffic Committee

MUTCD Manual On Uniform Traffic Control Devices For Streets And Highways NCHRP National Cooperative Highway Research Program

PCMS Portable Changeable (Variable) Message Sign PRS Portable Regulatory Sign

R Radius RPM Raised Retroreflective Pavement Marker

RSDU Radar Speed Display Unit Posted Speed Of Off-Peak 85 Percentile Speed (MPH)

Speed and Law Enforcement Officer SLEO

TTCTemporary Traffic Control TCPTraffic Control Plan(s) TCZTraffic Control Zones

TMATruck Mounted Attenuator

VECP Value Engineering Change Proposal

Width Of Taper Transition In Feet, i.e., Lateral Offset

SYMBOLS

The symbols shown are found in the FDOT site menu under Traffic Control cell library on the CADD system. Symbols assigned to the 600 series Design Standards and applicable to traffic control plans, unless otherwise identified in the plans, are as follows:

Work Area, Hazard Or Work Phase (Any pattern within a boundary)

Sign With 18" x 18" (Min.) Orange Flag And Type B Light ■ Channelizing Device

🛮 Type III Barricade ₩ork Zone Sign

⊤ Flagger

Traffic Signal ••• Advance Warning Arrow Panel

Portable Signal

c.c. Crash Cushion Stop Bar

W W Work Vehicle With Flashing Beacon

Shadow (S) Or Advance Warning (AW) Vehicle
With Advance Warning Arrow Panel And Warning Sign

A Truck Mounted Attenuator (TMA)

Type B Light For TCZ Signs

Law Enforcement Officer

Portable Regulatory Sign Radar Speed Display Unit

Portable Changeable (Variable) Message Sign

TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE JANUARY 2010 EDITION OF THE FLORIDA D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARD INDEX (SERIES 600), THE 2010 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS MINIMUM CRITERIA.

2. LANE CLOSURE/WORK RESTRICTIONS:

LANE CLOSURES ARE PERMITTED WITHIN DAYLIGHT HOURS EXCEPT FOR HOURS 7 A.M. TO 9 A.M. NO WORK THAT REQUIRES A LANE CLOSURE SHALL BE PERFORMED ON THE FOLLOWING DATES:

3. NOTIFICATION OF PROPOSED LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS BEFORE CLOSURE OR DETOUR BY SUBMITTING THE REQUIRED LANE CLOSURE FORM THROUGH LEON COUNTY PUBLIC WORKS.

4. AT THE DISCRETION OF THE LEON COUNTY PUBLIC WORKS, IF A LANE CLOSING CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO RE-OPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL. ANY COSTS FOR DELAY OR ADDITIONA MAINTENANCE OF TRAFFIC DUE TO THIS SHALL BE INCIDENTAL AND INCLUDED IN PAY ITEM 102-1.

5. PROVISIONS FOR TRAFFIC DISRUPTIONS THAT ARE NOT ANTICIPATED IN THE TRAFFIC CONTROL PLAN, BUT ARE NECESSARY TO CONSTRUCT THE PROJECT SHALL BE SUBMITTED IN WRITING TO LEON COUNTY PUBLIC WORKS AND APPROVED 72 HOURS BEFORE THE START OF ANY WORK. SUBMITTAL MATERIAL SHALL INCLUDE SKETCHES, CALCULATIONS, AND OTHER REQUIRED DATA.

6. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.

7. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR PROPOSED SIGNS OR PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS THE CONTRACTOR SHALL RESTORE THE SIGNS OR PAVEMENT MARKINGS TO THEIR ORIGINAL POSITION. EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS WHICH HAVE TO BE REMOVED MAY BE REMOVED BY ANY METHOD THAT PRODUCES THE SAME RESULT IN THE SAME MANNER AS HYDROBLASTING.

8. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH INDEX 660 WHEN CONSTRUCTION ACTIVITIES ENCROACH ON THE SIDEWALK.

9. MOT SIGNS ARE NOT TO BE PLACED ON THE SIDEWALK AT ANY TIME EXCEPT TO INDICATE THAT THE SIDEWALK IS UNDER CONSTRUCTION.

10. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EXCAVATION NOTICE OF A HURRICANE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY LEON COUNTY PUBLIC WORKS.

II. TEMPORARY RPMS SHALL BE INSTALLED ON LANE, CENTER, AND EDGE LINES ON MAINLINE SECTIONS THROUGHOUT THE WORK ZONE WHERE VEHICLE PATHS ARE ALTERED AND WHERE LANES ARE ALTERED FROM THEIR EXISTING WIDTHS. DESIGN SPEEDS

12. EXISTING POSTED SPEED: 45 MPH & 35 MPH TRAFFIC CONTROL PLAN DESIGN SPEED: 25 MPH

13. DROP OFF CRITERIA AS SPECIFIED IN FDOT STANDARD INDEX 600 SHALL BE ADHERED TO AT ALL TIMES. CHANGEABLE (VARIABLE) MESSAGE SIGN

14. CHANGEABLE MESSAGE SIGN SHALL BE USED DURING HOURS OF CONSTRUCTION AND SHALL DISPLAY THE FOLLOWING MESSAGE IN ONE DISPLAY USING 3 LINES:

AHEAD CAUTION

15. CONTRACTOR SHALL CLOSE NO MORE THAN 800' OF TRAVEL LANE AT ONE TIME.

I6. COVER EXCAVATED HOLES WHEN OPEN BACK TO TRAFFIC, IF BARRICADES ARE REQUIRED, STEADY BURN LIGHTS SHOULD BE PROVIDED.

GENERAL PHASING SEQUENCE THIS PROJECT IS BEING LET WITH INTERSECTION IMPROVEMENT PROJECT AT NABB ROAD AND WALDEN ROAD (SEE PLANS BY OTHERS). THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES ALONG EACH PROJECT TO AVOID CONFLICTS WITH WORK ZONE TRAFFIC CONTROL. GENERALLY THE CONTRACTOR SHALL BEGIN WORK FOR LAWNDALE ROAD DRAINAGE IMPROVEMENTS AT THE SUGARMILL SWMF / BUCKLAKE SCHOOL LOCATION AND WORK EASTWARD ALONG BUCKLAKE ROAD.

SUGARMILL / BUCKLKAE SCHOOL (UTILIZE FDOT STANDARD INDEX SERIES 602 AND 603 FOR MAINTENANCE OF

I. CONSTRUCT PROPOSED DRAINAGE MODIFICATIONS AT THE SUGARMILL SWMF / BUCKLAKE SCHOOL LOCATION. INSTALL TEMPORARY CONSTRUCTION SIGNS PER FDOT STANDARD INDEX SERIES 600 PRIOR TO BEGINNING

SIDEWALK CLOSURE. 3 CONSTRUCT SIDEWALK

4. REPLACE SIGNING AND PAVEMENT MARKINGS.

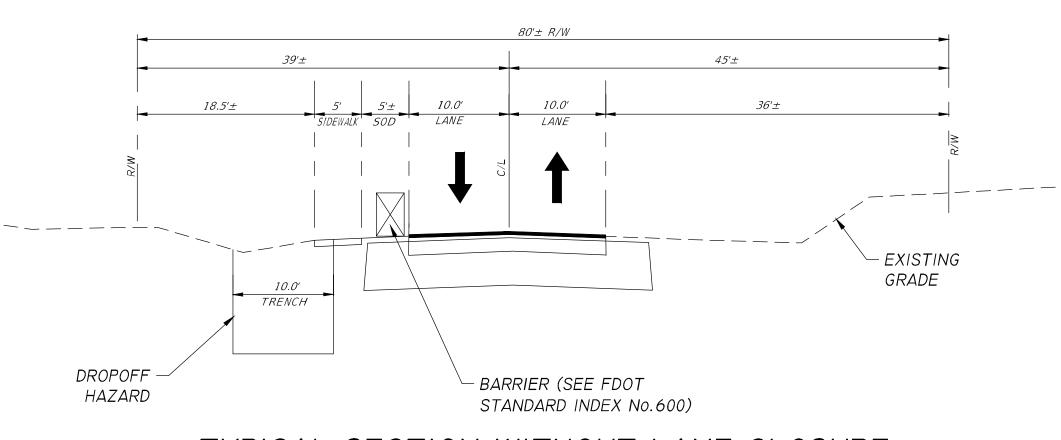
DRAINAGE IMPROVEMENTS ON NORTH SIDE OF BUCKLKAE ROAD (UTILIZE FDOT STANDARD INDEX SERIES 603 FOR MAINTENANCE OF TRAFFIC)

I. WORKING EASTWARD, CONSTRUCT PROPOSED DRAINAGE MODIFICATIONS ON THE NORTH SIDE OF BUCKLKAE

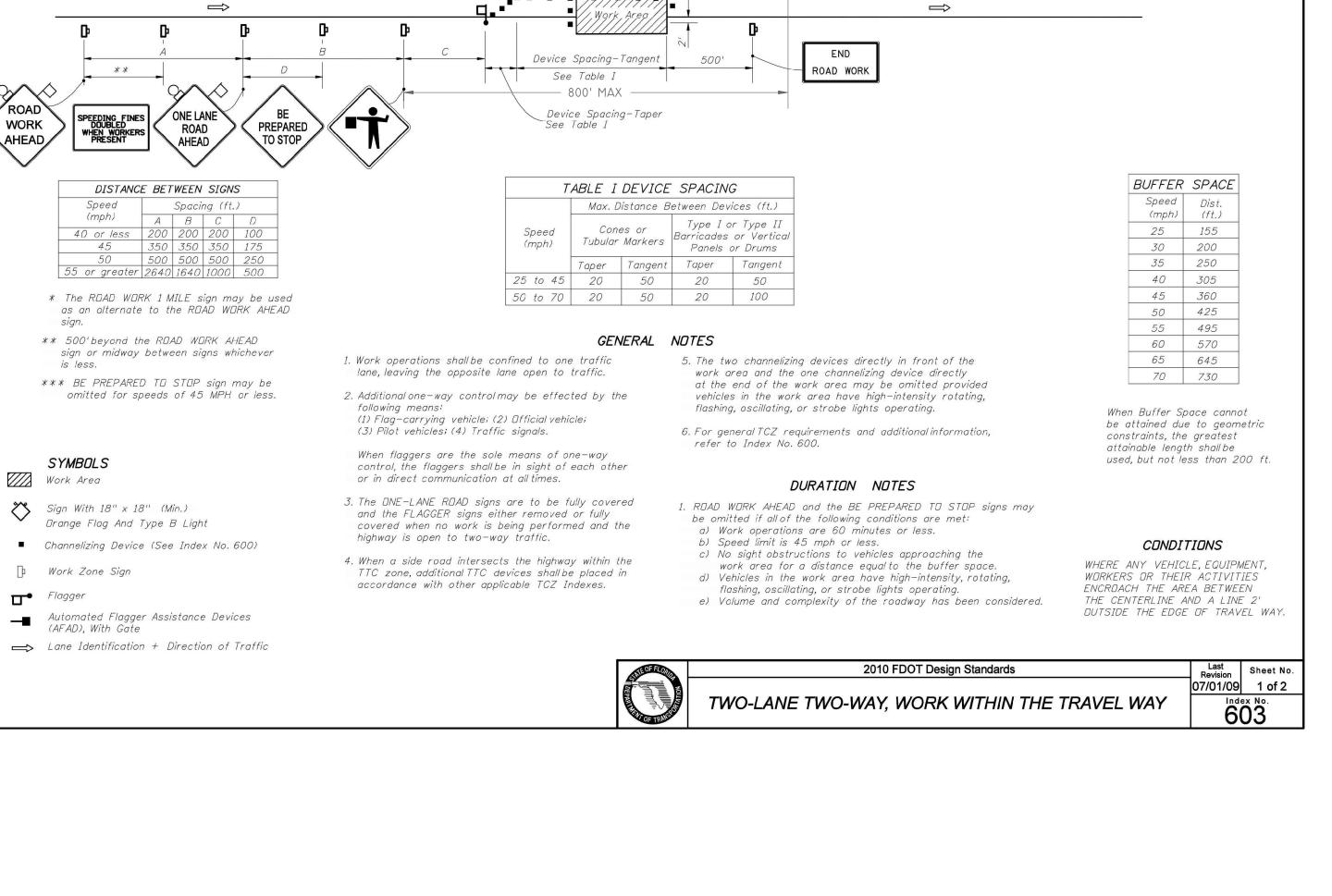
2. RE-CONSTRUCT SIDEWALK

3. INSTALL TEMPORARY CONSTRUCTION SIGNS PER FDOT STANDARD INDEX SERIES 600 PRIOR TO BEGINNING

4. REPLACE SIGNING AND PAVEMENT MARKINGS.



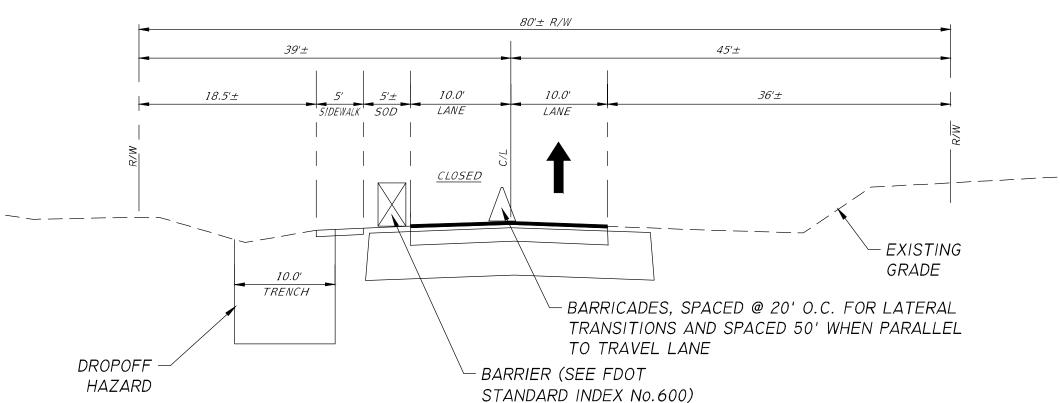
TYPICAL SECTION WITHOUT LANE CLOSURE



230

Buffer Space

See Table



TYPICAL SECTION WITH LANE CLOSURE

930 THOMASVILLE ROAD SUITE 200 TALLAHASSEE, FLORIDA PHONE 850.298.4213 FAX 850.298.4498 WWW.INOVIAGROUP.COM PR0JEC' PLAN RELEASE STATUS PROGRESS PRINT ☐ PERMIT RELEASE BID RELEASE CONSTRUCTION RELEAS RELEASE DATE: 25 MAR II RAWN BY CHECKED BY SCALE: AS SHOWN RICHARD A. JENKINS, P.E PE NO.: 68365 DATE: 25 MAR II

ROAD

WORK

AHEAD

ONE LANE ROAD AHEAD

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WHEN WORKERS PRESENT

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