Commissioner

Bill Proctor District 1

Jane G. Sauls

John E. Dai District 3

Bryan Desloge District 4

Kristen Dozier District 5

Nick Maddox

Akin Akinyem

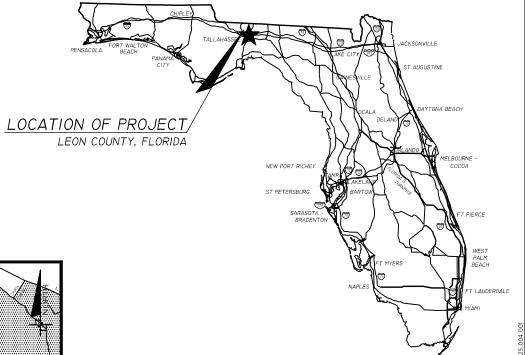


Vicent S. Long County Administrator Herbert W. A. Thiele County Attorney Tony Park, P.E. Public Works Director

BEN BOULEVARD INFRASTRUCTURE IMPROVEMENTS

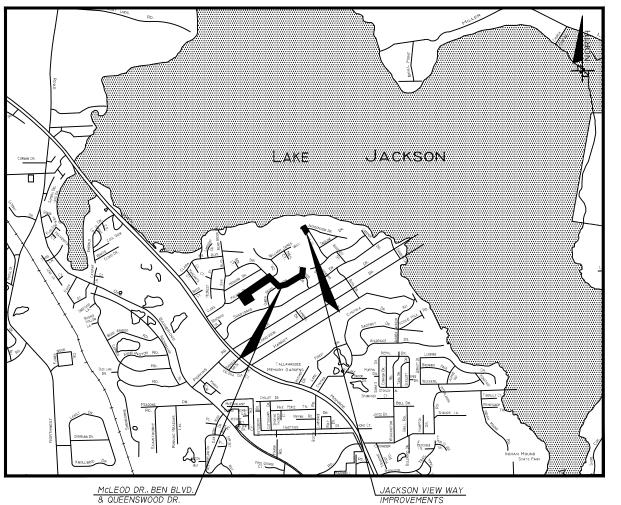
PREPARED FOR:

LEON COUNTY PUBLIC WORKS



INDEX OF PLANS

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ENGINEER OF RECORD:

inovia 1002

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:

NCG

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

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

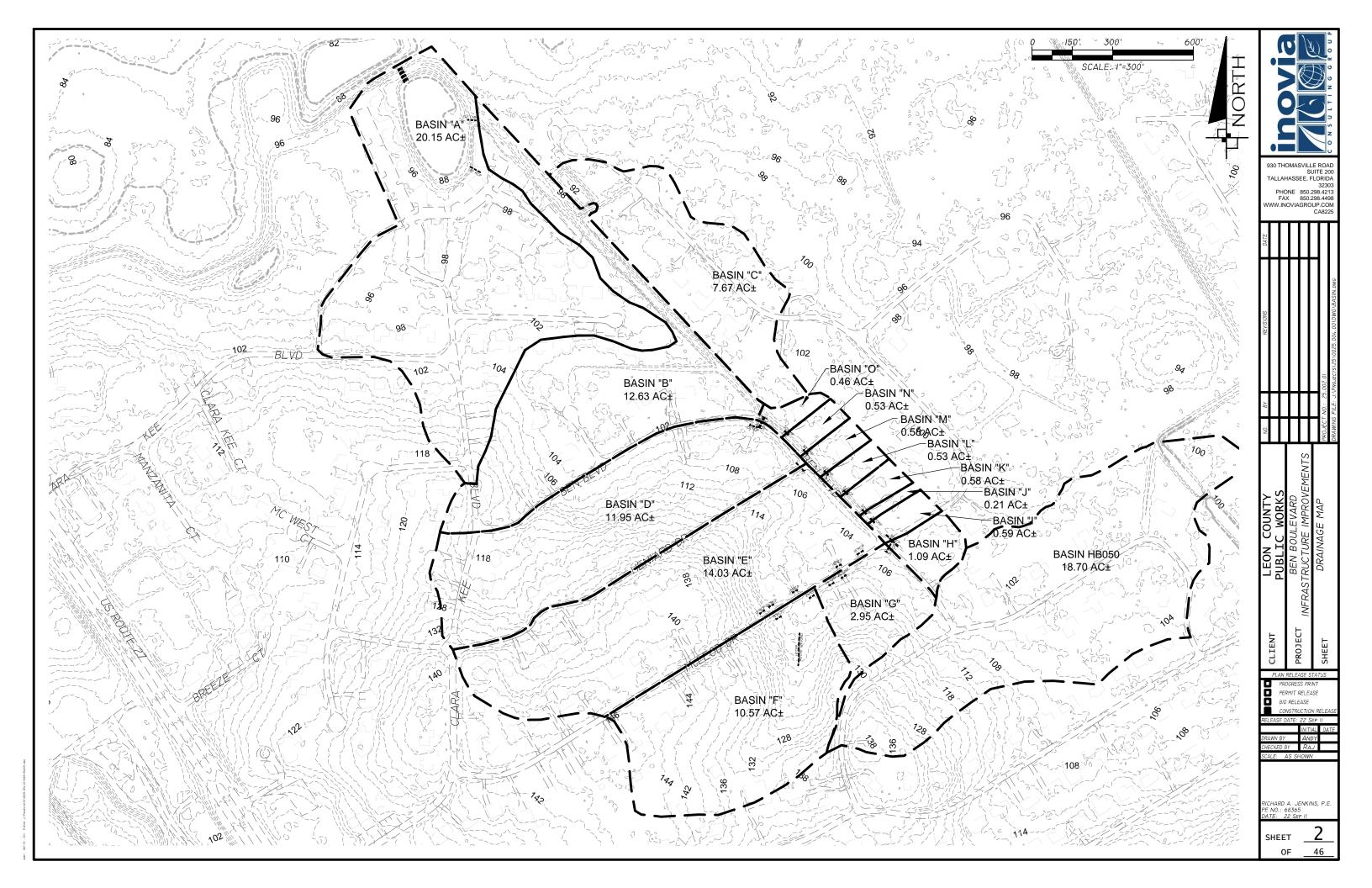
NO.	BY	REVISIONS	DATE

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

PROJECT MANAGER: FELTON ARD, P.E.

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

PLAN RELEASE STATUS	
PROGRESS PRINT	
PERMIT RELEASE	
■ BID RELEASE	
CONSTRUCTION RELEASE	RICHARD A. JENKINS, P.E
RELEASE DATE: 22 SEP II	PE No.: 68365 DATE: 22 SEP II



LEGEND

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(D) THE DISTRICT OF THE PROPERTY OF THE PROPER	
(D) = per DEED PROVIDED BY CLIENT $(M) = AS MEASURED$	
85—— PROPOSED CONTOUR FF = FINISHED FLOOR ELEVATION INV = INVERT ELEVATION	
85 EXISTING CONTOUR RCP = REINFORCED CONCRETE PIPE	
EXISTING GAS MAIN $TCP = TERRA COTTA PIPE$ $EL = ELEVATION$	
G PROPOSED GAS MAIN PROP. = PROPOSED SSMH = SANITARY SEWER MANHOLE	
— ss — EXISTING SANITARY SEWER SWMH = STORMWATER MANHOLE	
BUILDING SETBACKS P.O.C. = POINT OF COMMENCEMENT	
P.O.B. = POINT OF BEGINNING $F.A.C. = FLORIDA ADMINISTRATIVE CODE$	
++++++++++++++++++++++++++++++++++++	
	TY
——————————————————————————————————————	
MHW $-$ EXISTING MEAN HIGH WATER LINE WM WM = WATER METER	
EXISTING TREES THE TPED = TELEPHONE PEDESTA	
→ INDICATES DIRECTION OF FLO	'W
TREES TO BE REMOVED EXISTING 4"PVC WATER MAIN	
——————————————————————————————————————	
TREES TECHNICALLY REMOVEDE - EXISTING UNDERGROUND ELE	TRIC
*85.00 EXISTING SPOT ELEVATION	
Y 85.00 PROPOSED SPOT ELEVATION	
BM = BENCHMARK AS NOTED	
\mathbf{W}^{WV} $WV = WATER VALVE$	
$\mathbf{H}^{GV} \qquad GV = GAS \ VALVE$	
$- \bullet^{PP} \qquad PP = POWER \ POLE$	
$\dot{x}^{LP} \qquad LP = LIGHT \ POLE$	

LEGEND/ABBREVIATIONS

LEGEN	D/ABBREVIATIONS
BOC	BACK OF CURB
BT	BURIED TELEPHONE
q.	CENTERI INF
₹ CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
	CLEANOUT
•	- · · · · · · · ·
EOP	EDGE OF PAVEMENT
	ELECTRIC TRANSFORMER
ELEV	ELEVATION
a	FIRE HYDRANT
FCM	FOUND CONCRETE MONUMENT
FIR O	FOUND IRON ROD
FIRC •	FOUND IRON ROD AND CAP
•	GUY ANCHOR
HDPE	HIGH DENSITY POLYETHYLENE PIPE(CORRUGATED)
•	IRRIGATION CONTROL VALVE
LB#	LICENSE BUSINESS NUMBER
¢	LIGHT POLE
Ē.	MAIL BOX
M.E.S.	MITERED END SECTION
ORB	OFFICIAL RECORDS BOOK
— ОНW ——	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 0.00	SPOT SHOT
*	SPRINKLER HEAD
\ominus	STORM INLET
0	STORM MANHOLE
	TELEPHONE PEDESTAL
→	TEMPORARY BENCHMARK
⊸	UTILITY POLE
W	WATER METER
DWD	WATER VALVE
	WATER LINE
WP	WIRE PULL BOX
E	ELECTRIC METER
Û	ELECTRIC RISER
	GAS METER
\bigcirc	BACKFLOW PREVENTER



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

EON COUNTY	NO.	ВУ	KEVISIONS	DAIE
PUBLIC WURKS				
BEN BOULEVARD				
STRUCTURE IMPROVEMENTS				
LEGEND	PROJECT	PROJECT NO.: 25.004.00	007:00	
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GENERAL NOTES

- 1. UTILITY DESIGN WAS PROVIDED BY OTHERS. ALL UTILITY WORK TO BE CONSTRUCTED BY OTHERS. EOR 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. A TRAFFIC CONTROL
 PLAN SHALL BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
- 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.

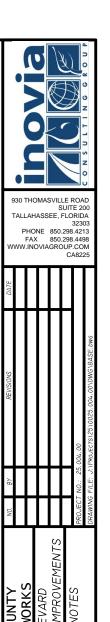
- 19. THE CONTRACTOR SHALL NOT SUBSTITUTE ANY ARTICLE, DEVICE, PRODUCT, MATERIAL OR FIXTURE, OR ANY FORM OR TYPE OF CONSTRUCTION, FOR THAT WHICH IS INDICATED IN THE APPROVED PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE ENGINEER, AND LEON COUNTY PUBLIC WORKS.
- 20. THE CONTRACTOR SHALL ENSURE THAT 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 STAKES 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 (NAVD).
- 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)	811
CITY OF TALLAHASSEE/ELECTRICAL DIVISION	<i>850-891-5031</i>
CITY OF TALLAHASSEE/GAS UTILITIES DIVISION	<i>850-891-5100</i>
CITY OF TALLAHASSEE/WATER DIVISION	<i>850-891-6155</i>
CITY OF TALLAHASSEE/SEWER DIVISION	<i>850-891-6155</i>
TALQUIN ELECTRIC CO-OP (ELECTRIC DIVISION)	<i>850-562-2119</i>
TALQUIN ELECTRIC CO-OP (WATER DIVISION)	<i>850-562-2119</i>
AT&T (SDT, INC.)	813-888-8300
CENTURYLINK (OUTSOURCE, INC.)	<i>850-878-8595</i>
COMCAST CABLE	<i>850-574-4067</i>

- 27. THE CONTRACTOR SHALL REPLACE ALL DISTURBED SIGNING AND STRIPING WITH LEON COUNTY PUBLIC WORKS APPROVED MATERIALS.
- 28. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- 29. CONTRACTOR SHALL MAINTAIN ACCESS TO SIDE STREETS, RESIDENTIAL, AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
- 30. PAVEMENT OPEN CUTS FOR STORM DRAIN OR UTILITY CONSTRUCTION SHALL BE PATCHED AND REPAIRED IN ACCORDANCE WITH FDOT INDEX No.307.
- 31. DESIGN OF CONCRETE BOX CULVERTS SHALL BE ACCOMPLISHED USING FDOT BOX CULVERT PROGRAM WITH STANDARD INDEX No.289, AND INPUTTING VALUES PROVIDED IN TABLE (SEE THIS SHEET). CONCRETE TO BE CLASS IV 8'C = 5,500 PSI, AND ASTM 615 GRADE 60 REINFORCEMENT.

HE	ADWALL TAB	LE
	3'x6' BOX	5'x8' BOX
	CULVERT	CULVERT
	SHEET 25,	SHEET 26,
	STA. 38+50	STA. 81+00
SW Left Begin	0°	135°
SW Left End	0°	135°
SL	0°	0°
SR	0°	0°
SW Right Begin	90°	135°
SW Right End	90°	135°
LW Left Begin	0	5'-0"
LW Left End	0	5'-0"
LW Right Begin	10'-0"	5'-0"
LW Right End	5'-0"	5'-0"
LC	16'-0"	48'-0"
HS	4'-1 1/2"	6'-6"
WC	6'-0"	5'-0"
HE	4'-1 1/2"	6'-6"
Rw	9"	9"
Rt	1'-6"	1'-6"
Rh	3'-0"	3'-0"
Rd	9"	9"
Tw	9"	9"
Tb	9"	9"
Tt	9"	9"
Hrcw	2'-0"	2'-0"
Brcw	9"	9"
Hrhw	1'-1 1/2"	1'-6"
Brhw	9"	9"
Hlcw	0	2'-0"
Blcw	0	9"
Hlhw	0	1'-6"

* HEADWALL TABLE DATA TO SUPPLEMENT FDOT STANDARD INDEX No.289



PLAN RELEASE STATUS

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CONSTRUCTION RELEASE

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SCALE: AS SHOWN

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

SHEET

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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. THE LEON COUNTY ENVIRONMENTAL INSPECTOR MUST APPROVE THE PLACEMENT OF THE TREE PROTECTION MEASURES.
- 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.
- 3. THE COUNTY WILL CONTRACT AN ARBORIST TO PREPARE A MITIGATION PLAN BEFORE CONSTRUCTION BEGINS. ARBORIST WILL MEET ONSITE WITH CONTRACTOR, ENGINEER AND GROWTH ENVIRONMENTAL INSPECTOR PRIOR TO CONSTRUCTION TO DETERMINE WHICH TREES SHOULD BE PHYSICALLY REMOVED AND WHICH TREES SHOULD BE MITIGATED.

DEWATERING NOTES:

- 1. IF PUMPING IS USED FOR DEWATERING, THE CONTRACTOR SHALL USE BIODEGRADABLE FLUIDS TO PREVENT POTENTIAL POLLUTION.
- 2. BEST MANAGEMENT PRACTICES SHALL BE FOLLOWED, AND ALL DEWATERING MEASURES SHALL BE APPROVED BY THE COUNTY ENVIRONMENTAL INSPECTOR (SEE DETAIL).
- 3. CONTRACTOR SHALL CHECK WITH NWFWMD FOR POTENTIAL PERMIT REQUIREMENTS AT (850) 539-5999
- 4. CONTRACTOR SHALL ALSO COMPLY WITH THE DIRECTIONS GIVEN BY THE COUNTY ENVIRONMENTAL INSPECTORS.

TREES	TO BE TECHNICAL	LY REMOVED
Number	Tree Size & Type	Debits
587	36"0AK	16
588	32"0AK	16
589	41"0AK	20
590	23"0AK	8
591	45"0AK	24
592	16"0AK	0
593	35"0AK	16
842	38"0AK	20
845	45"0AK	24
846	40"0AK	20
847	18"0AK	6
941	18"0AK	6
942	23"0AK	8
943	24"0AK	8
944	18"0AK	6
955	67"0AK	40
1785	18"PINE	6
1786	12"CEDAR	0
3169	17" CEDAR	0
3170	18" PINE	6
3171	15" PINE	0
3175	19" PINE	8
3196	19" CEDAR	8
3245	17" HACKBERRY	0
3506	26" SWEETGUM	10
3507	27" SWEETGUM	10
3508	26" SWEETGUM	10
3509	26" SWEETGUM	10
3531	29" CEDAR	10
4303	45" OAK	24
4314	75" OAK	40
4340	28" PINE	10
4374	12"HACKBERRY	0
	TOTAL	390

		TREES TO BE REI	MOVED
1	Number	Tree Size & Type	Debits
	1784	27"PINE	10
1	3173	14" PINE	0
	4309	17" PINE	0
1	4310	13" OAK	0
1	4358	17" HACKBERRY	0
1	4361	18" OAK	6
1	4363	15" OAK	0
1	4373	17" PINE	0
		TOTAL	16

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
- 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.

THE CONTROL. EROSION CONTROL MEASURES SHALL BE MAINTAINED FOR THE

- 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 DISTURBED.
- 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 AND THE COUNTY ENVIRONMENTAL INSPECTOR 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 EACH DAY.
- 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 AND THE ENVIRONMENTAL MANAGEMENT PERMIT ISSUED BY LEON COUNTY GROWTH AND ENVIRONMENTAL MANAGEMENT ON-SITE AT ALL TIMES.
- 25. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW THE COMPLETE ENVIRONMENTAL RESOURCE PERMIT AND ENVIRONMENTAL MANAGEMENT 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, LEON COUNTY GROWTH AND ENVIRONMENTAL MANAGEMENT, AND THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT IMMEDIATELY.
- 28. PRIOR TO CONSTRUCTION A STORMWATER MANAGEMENT CONTROL OFFICER SHALL BE DESIGNATED BY LEON COUNTY PUBLIC WORKS.

930 THOMASVILLE ROAD SUITE 200 TALLAHASSEE, FLORIDA 32303 PHONE 850.298.4213 FAX 850.298.4498 WW.JIOYJUAGROLIJP COM

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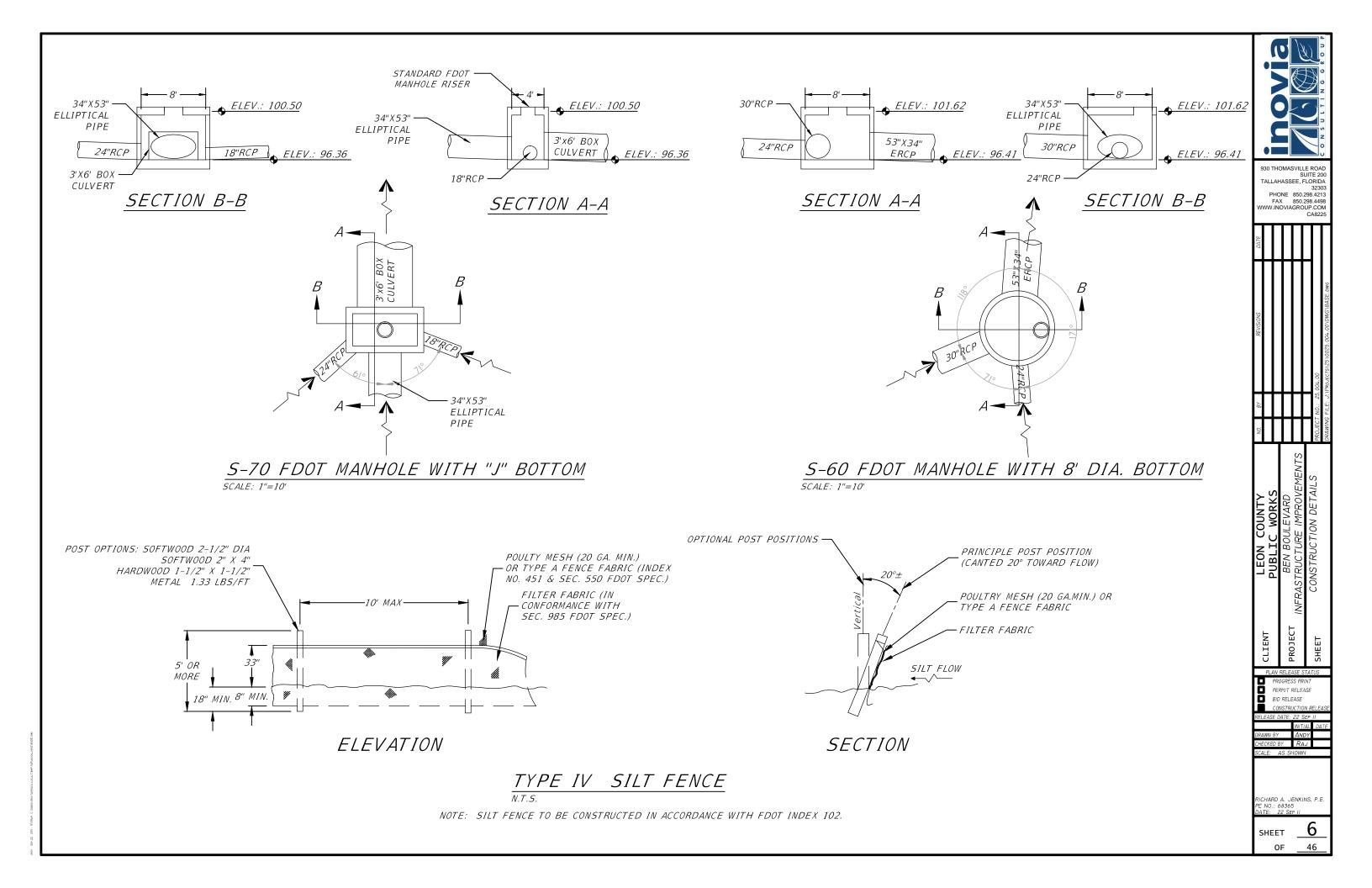
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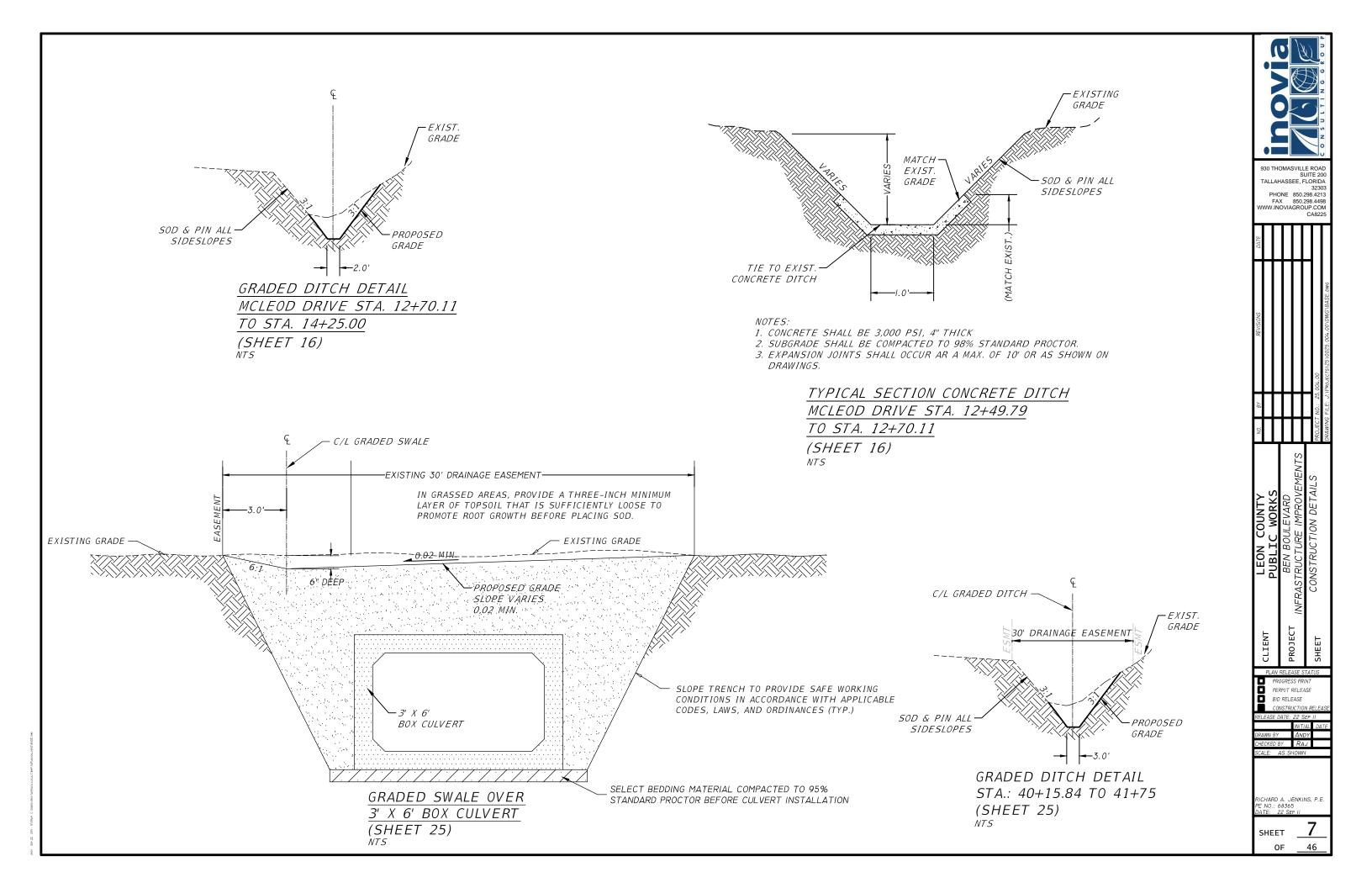
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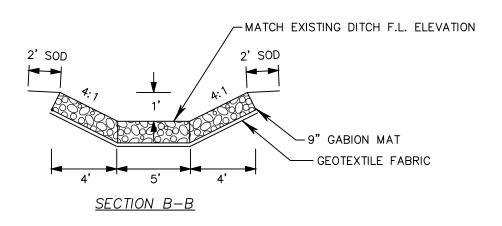
RICHARD A. JENKINS, P.E PE NO.: 68365 DATE: 22 SEP II

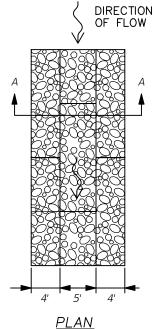
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TOTAL PROJECT AREA: 69,526 SQ. FEET TOTAL WORK IN SURFACE WATERS: 13,627 SQ. FEET



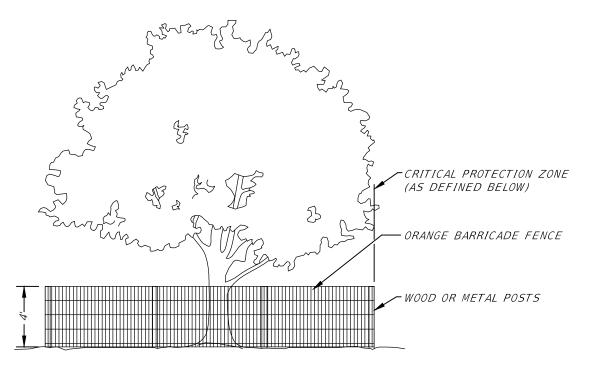






- 1. MATTRESS LENGTH SHALL BE 6' MINIMUM, 15' MAX. 2. TRANSVERSE JOINTS BETWEEN ADJACENT
- MATTRESSES SHALL BE STAGGERED, MINIMUM 5'.

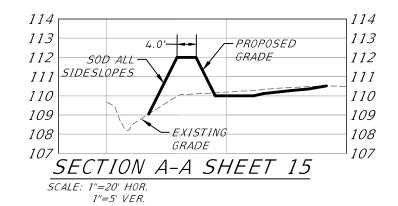
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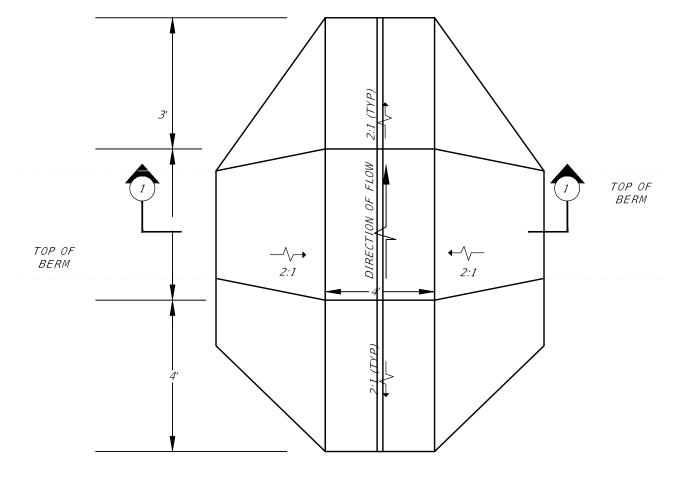


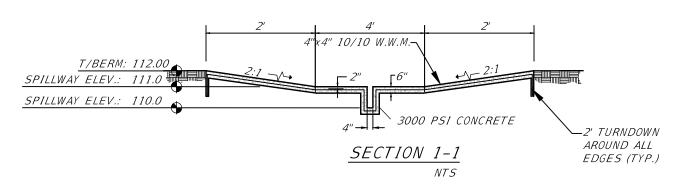
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TREE PROTECTION BARRICADES ARE TO PREVENT DISTURBANCE OF THE CRITICAL PROTECTION ZONE (CPZ), C.P.Z. IS THAT AREA SURROUNDING A TREE WITH A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT. THE AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT.

TREE PROTECTION BARRICADE







SWMF SPILLWAY DETAIL (SHEET 15)

SUITE 200 TALLAHASSEE, FLORIDA PHONE 850.298.4213 FAX 850.298.4498 WW.INOVIAGROUP.COM CA8225

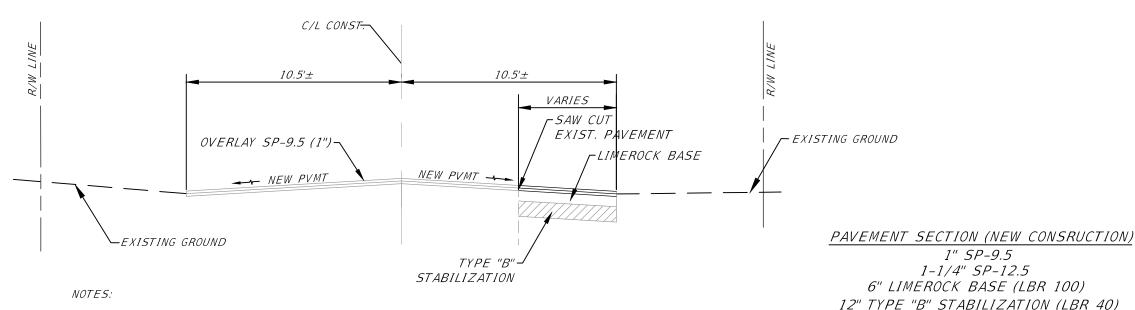
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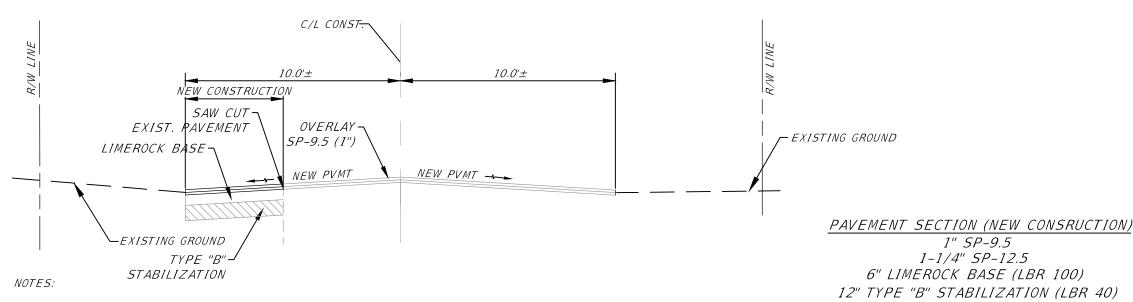
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- 1. THE EXISTING CURBS AND GUTTERS, WHICH ARE TO REMAIN, WILL ESTABLISH THE ROADWAY PGL.
- 2. THE PAVEMENT CROWN SHALL BE AT THE CENTERLINE OF THE ROADWAY.
- 3. THE EXISTING PAVEMENT IS TO BE SAW CUT 4' FROM EDGE OF PAVEMENT OR A MINIMUM OF 1' BEYOND THE PIPE TRENCH, WHICHEVER IS THE GREATEST DISTANCE FROM THE EDGE OF PAVEMENT.
- 4. THE CROSS SLOPE OF THE NEW PAVEMENT SHALL VARY AS REQUIRED FOR THE PAVEMENT TO MATCH AT THE CENTERLINE OF THE ROADWAY.

TYPICAL SECTION - PAVEMENT RESURFACING / RECONSTRUCTION (BEN BLVD.)



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TYPICAL SECTION - PAVEMENT RESURFACING / RECONSTRUCTION (QUEENSWOOD DR.)

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PAY ITEM NOTES:

GENERAL:

- 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, HEADWALLS AND OTHER ITEMS AS DESCRIBED IN THE PAY ITEM NOTES.
- 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.

PAY ITEMS:

101-1 MOBILIZATION:

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 DIRECTED BY THE ENGINEER.

104-110 FLOATING TURBIDITY BARRIER:

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIAL NECESSARY FOR THE INSTALLATION OF TURBIDITY BARRIERS TO PROTECT AGAINST DOWNSTREAM ACCUMULATION OF SEDIMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

104-18 RUBBLE RIPRAP INCLUDING CEMENT AND FILTER FABRIC UNDERLAY.
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE
INSTALLATION AND MAINTENANCE OF RUBBLE RIPRAP.

110-1-1 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 PAYMENT.

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, 430-175-124, 430-175-130, 430-175-136, 430-175-5334 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 AND STRIPING.

410-70-063, 410-70-085 PRECAST CONCRETE BOX CULVERT

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY TO FURNISH AND INSTALL PRECAST REINFORCED CONCRETE BOX CULVERT INCLUDING REINFORCING STEEL, SHEETING AND/OR SHORING, DEWATERING, FILTER FABRIC, FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON-SITE, AND FOR FURNISHING AND PLACING A 1-1/2" MINIMUM THICKNESS OF ASPHALT PAVEMENT MILLINGS OR FINE TYPE SP ASPHALTIC CONCRETE AT THE GROUND SURFACE OF PIPE TRENCHES IN PAVED AREAS FOR SEDIMENT AND EROSION CONTROL UNTIL THE FINAL PAVEMENT IS PLACED.

430-830 PIPE FILLING AND PLUGGING

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO PERMANENTLY PLACE EXISTING PIPE CULVERTS OUT OF SERVICE IN ACCORDANCE WITH SECTION 430-4.5 OF THE STANDARD SPECIFICATIONS.

530-76-2: GABION MAT

THE UNIT PRICE INCLUDES FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR THE CONSTRUCTION OF GABION MATS AS SHOWN ON THE PLANS.

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.

580-340-1: TREE PROTECTION

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS 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.

999-1-1: DEMOLITION REQUIRED ON LOTS 4 AND 5

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE DEMOLITION AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER INCLUDING ASBESTOS TESTING AND OFF-SITE DISPOSAL OF WASTE MATERIALS.

999-1-2 ASBUILT SURVEY

THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS FOR ASBUILT SURVEY OF ALL IMPROVEMENTS AND VIDEO DOCUMENTATION OF ALL NEW PIPE CONSTRUCTED.



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

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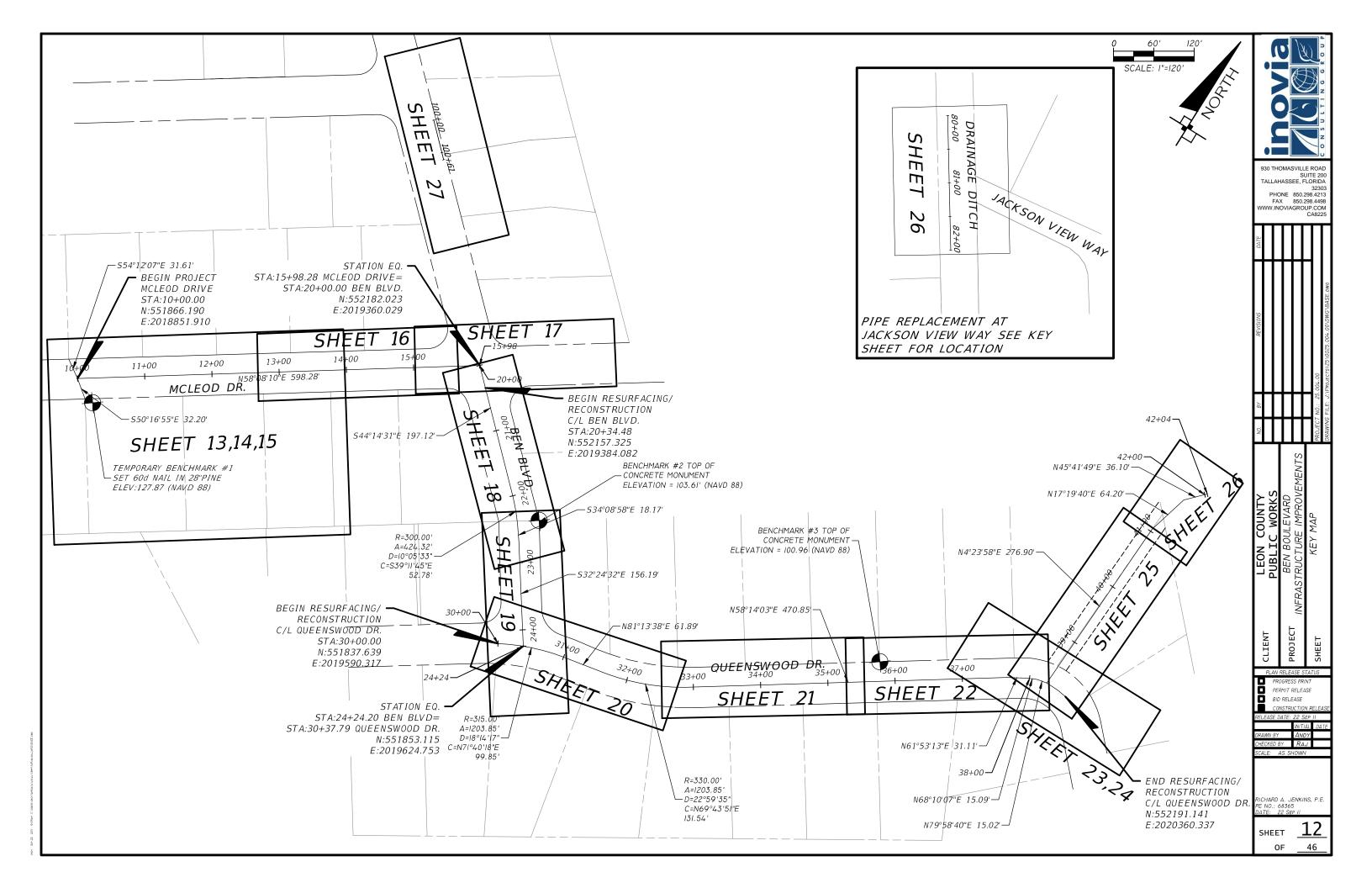
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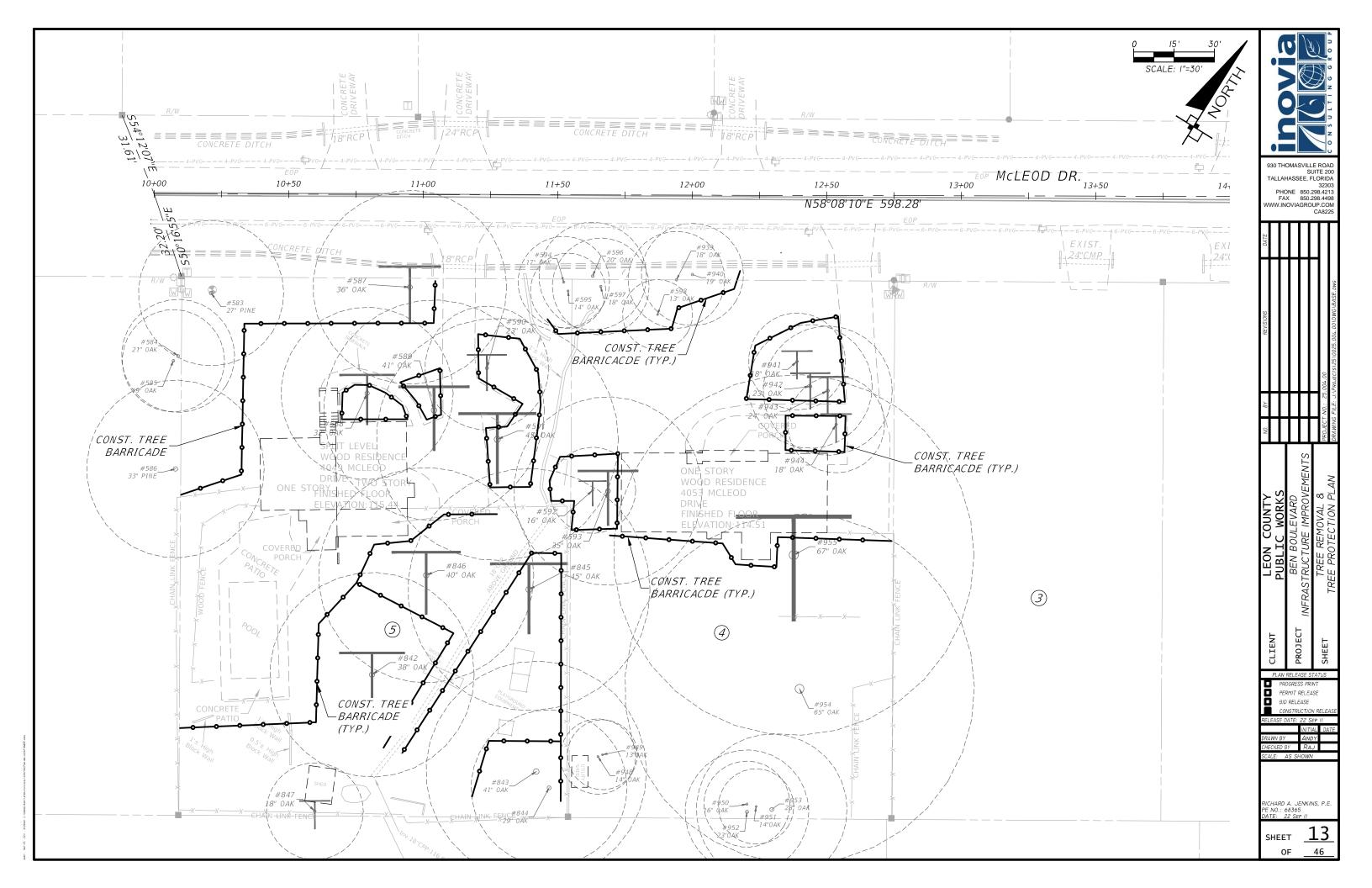
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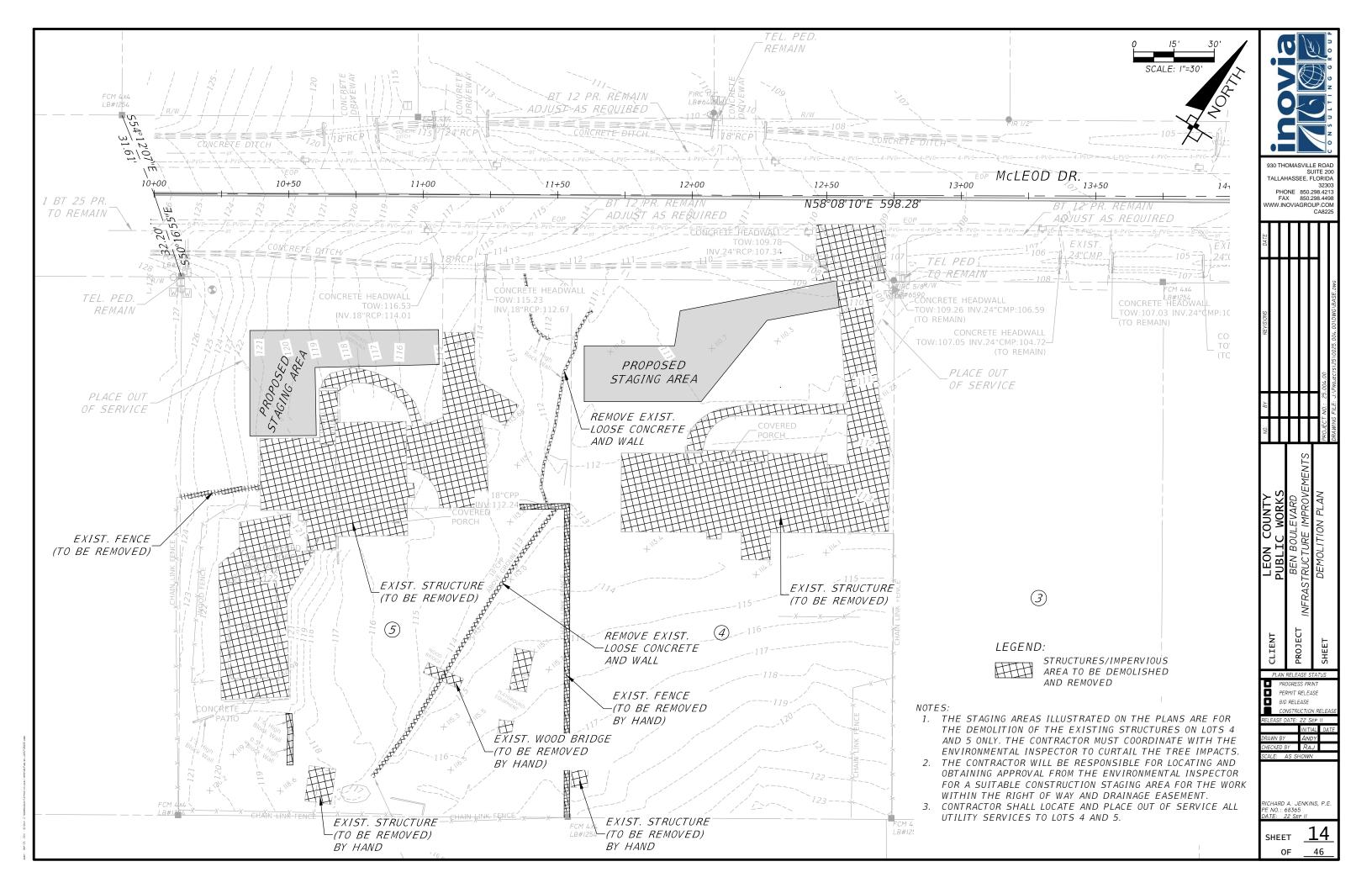
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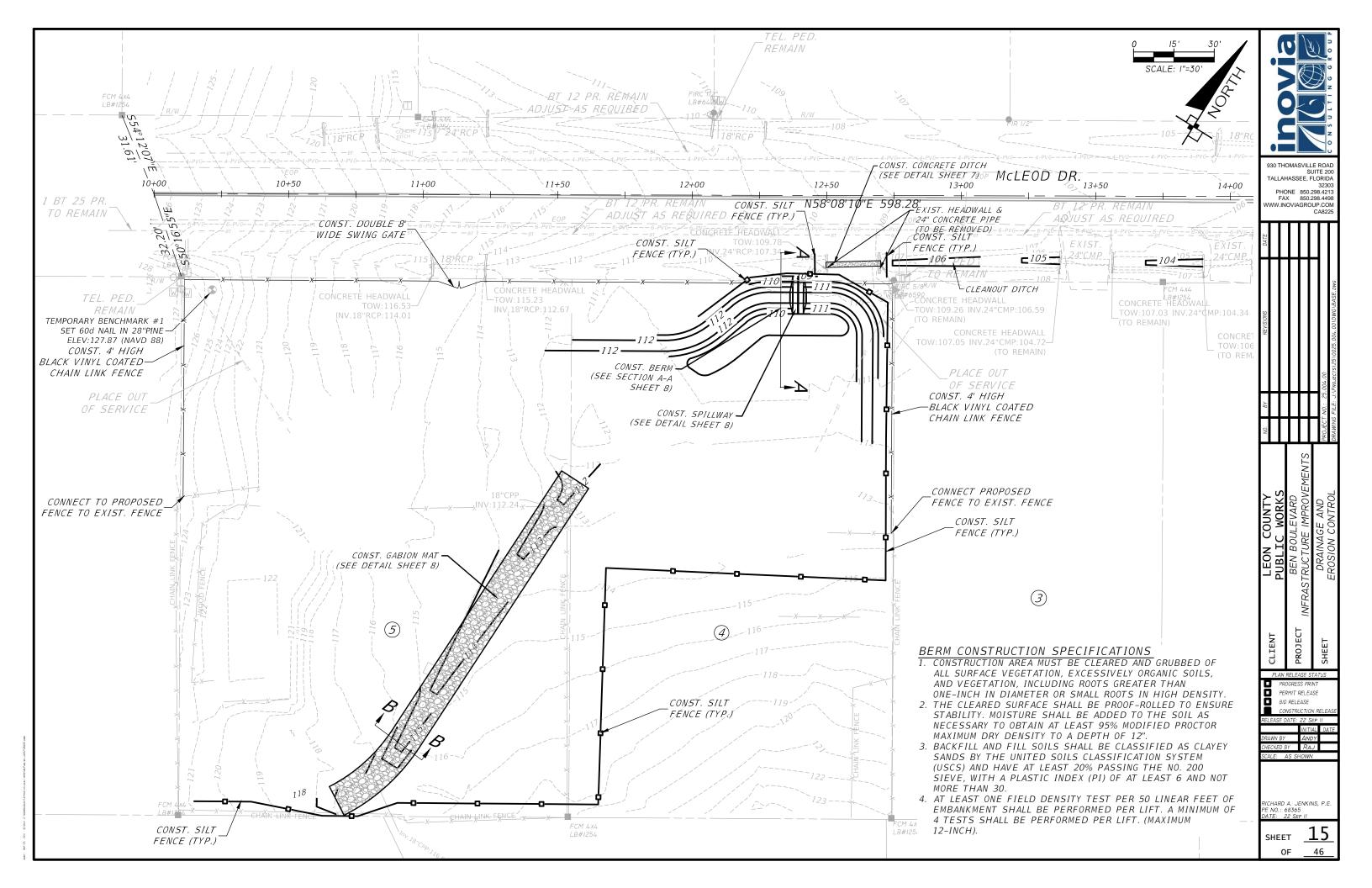
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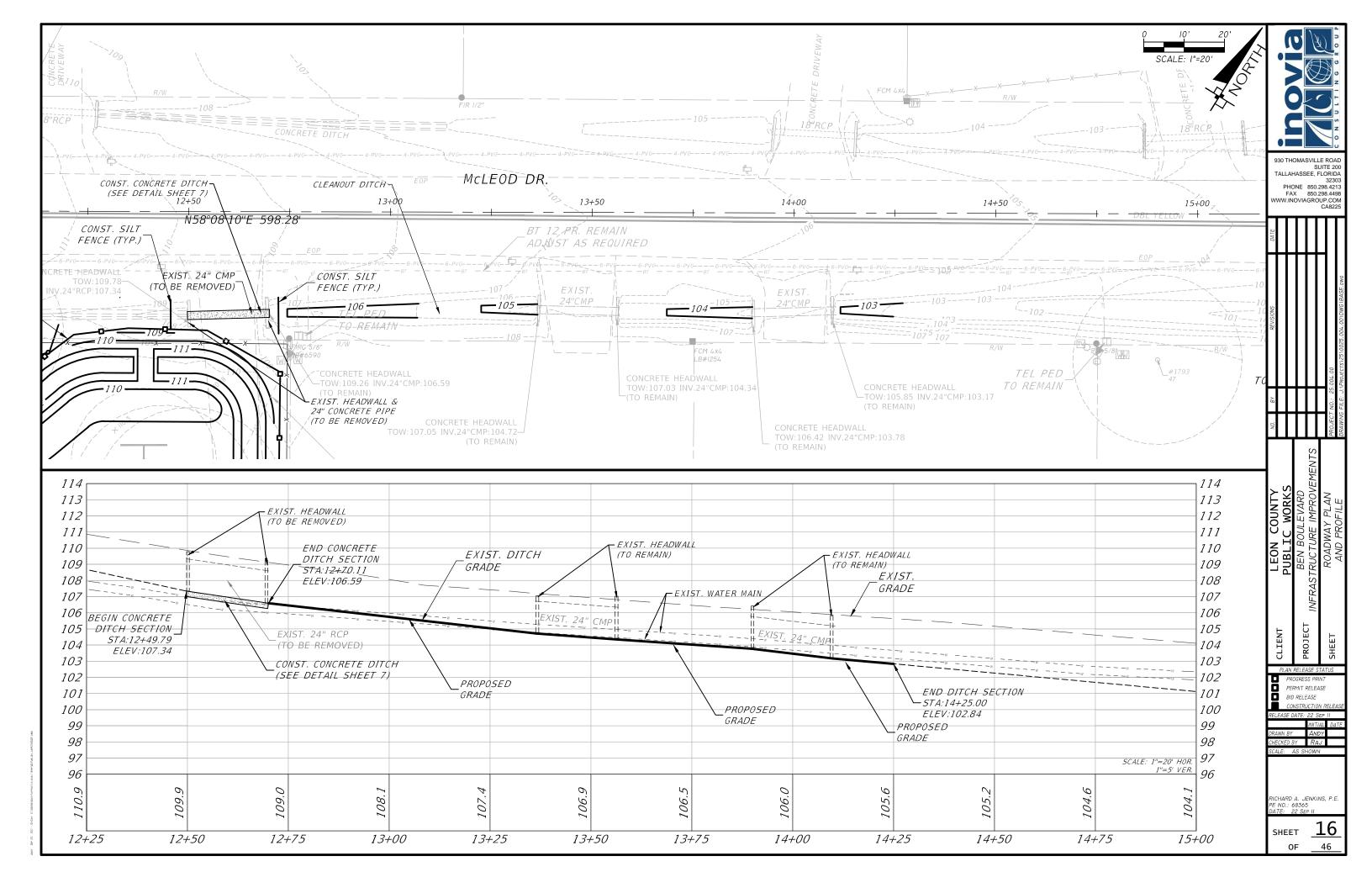
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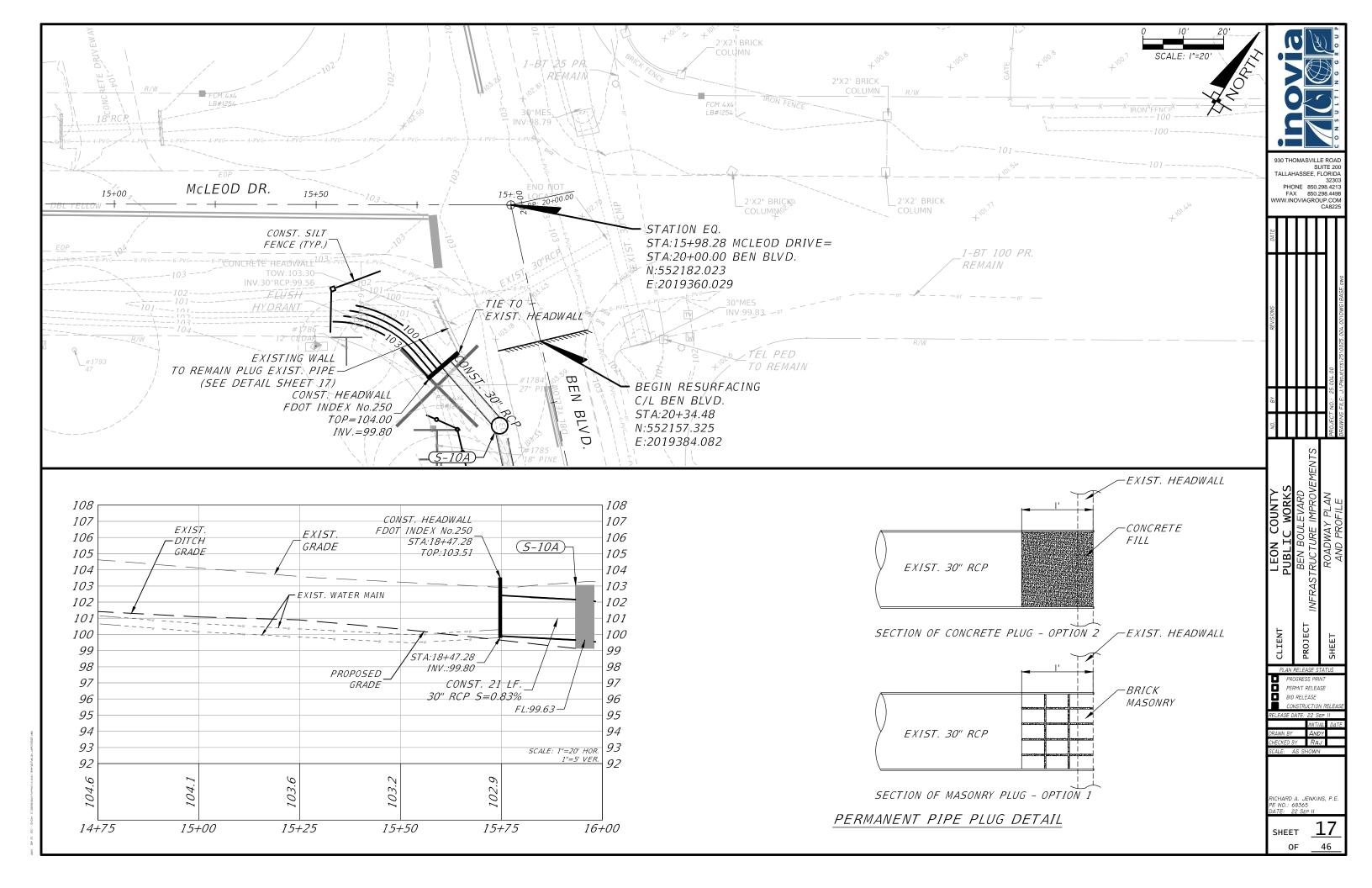


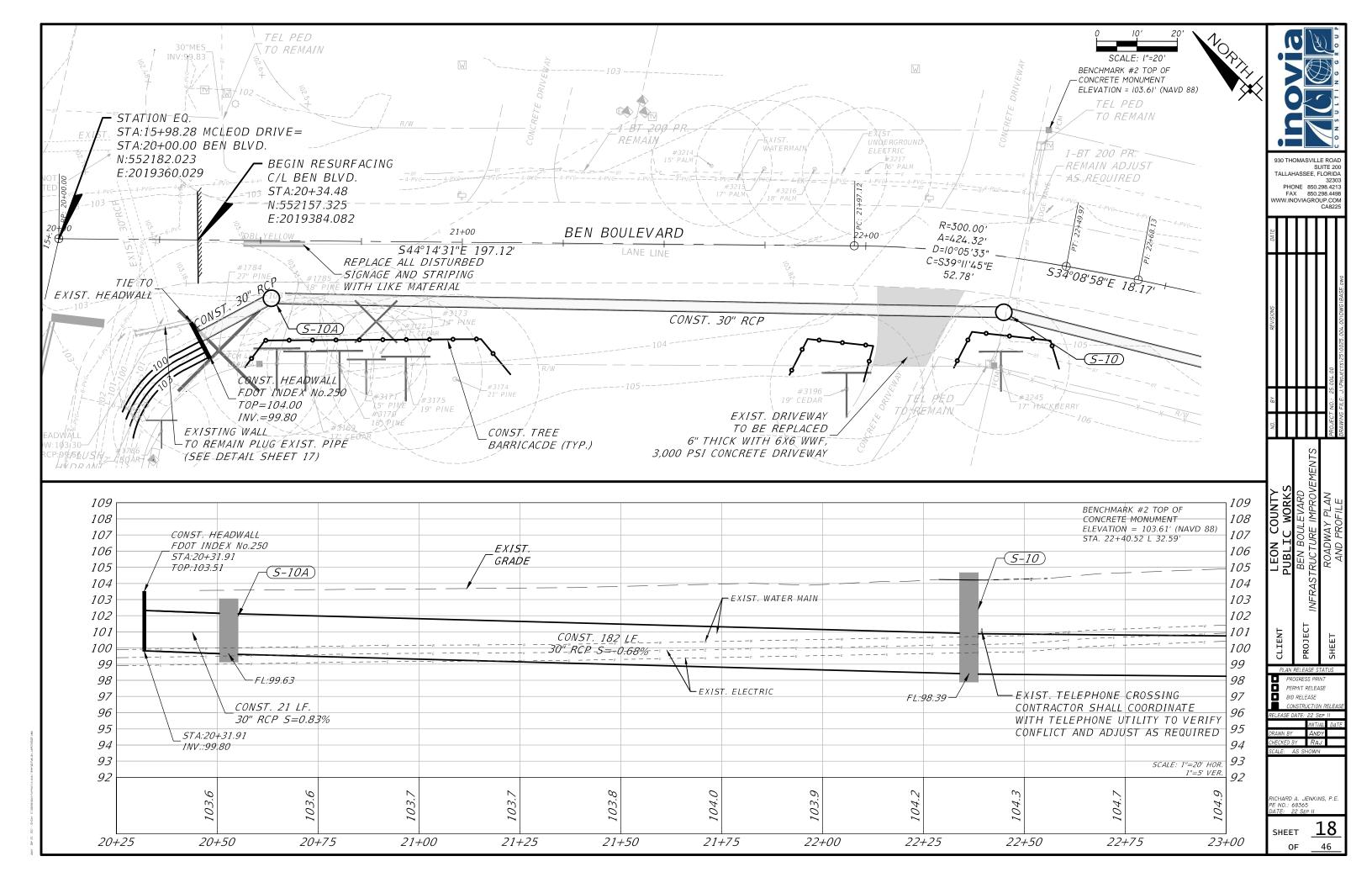


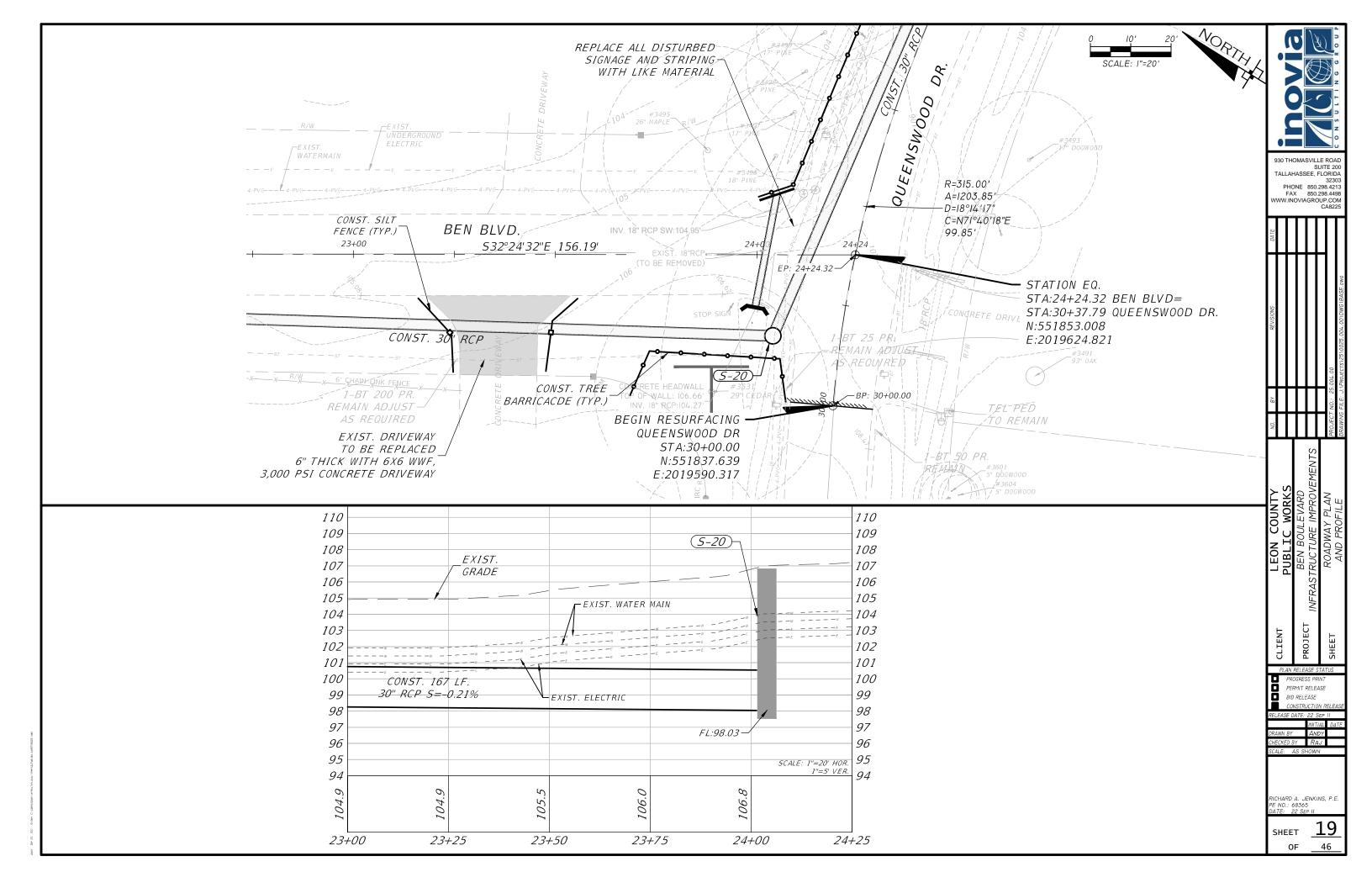


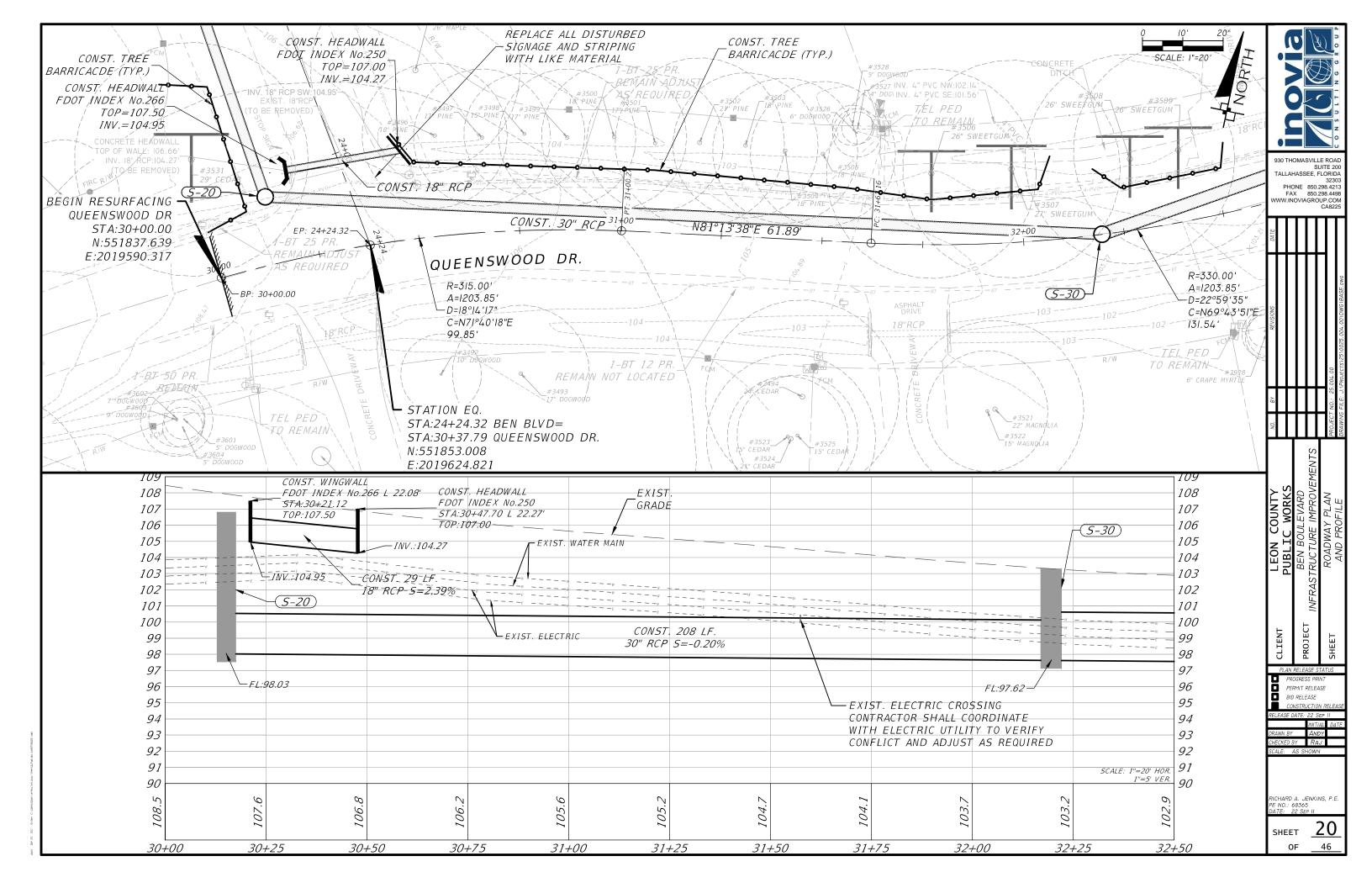


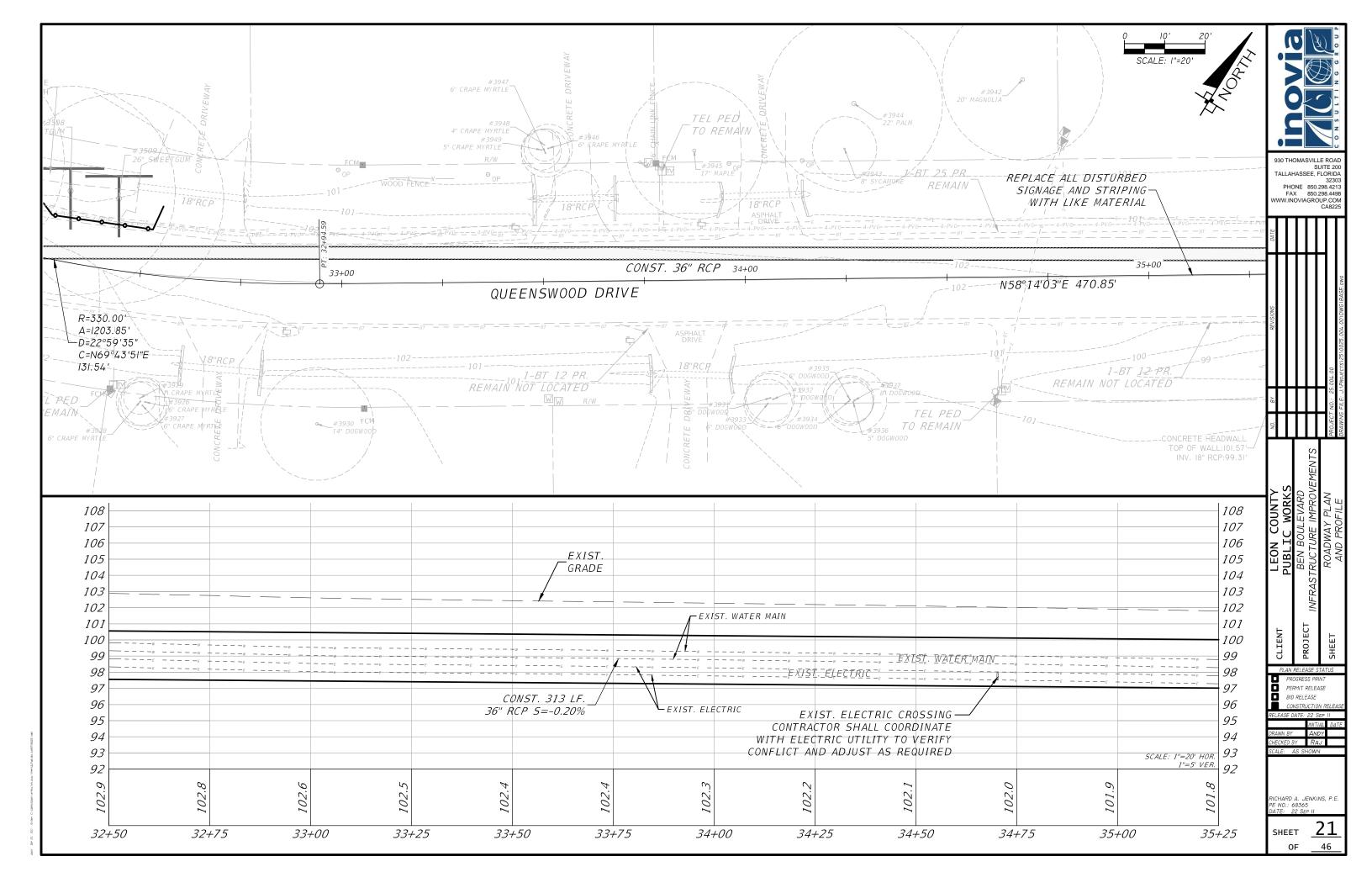


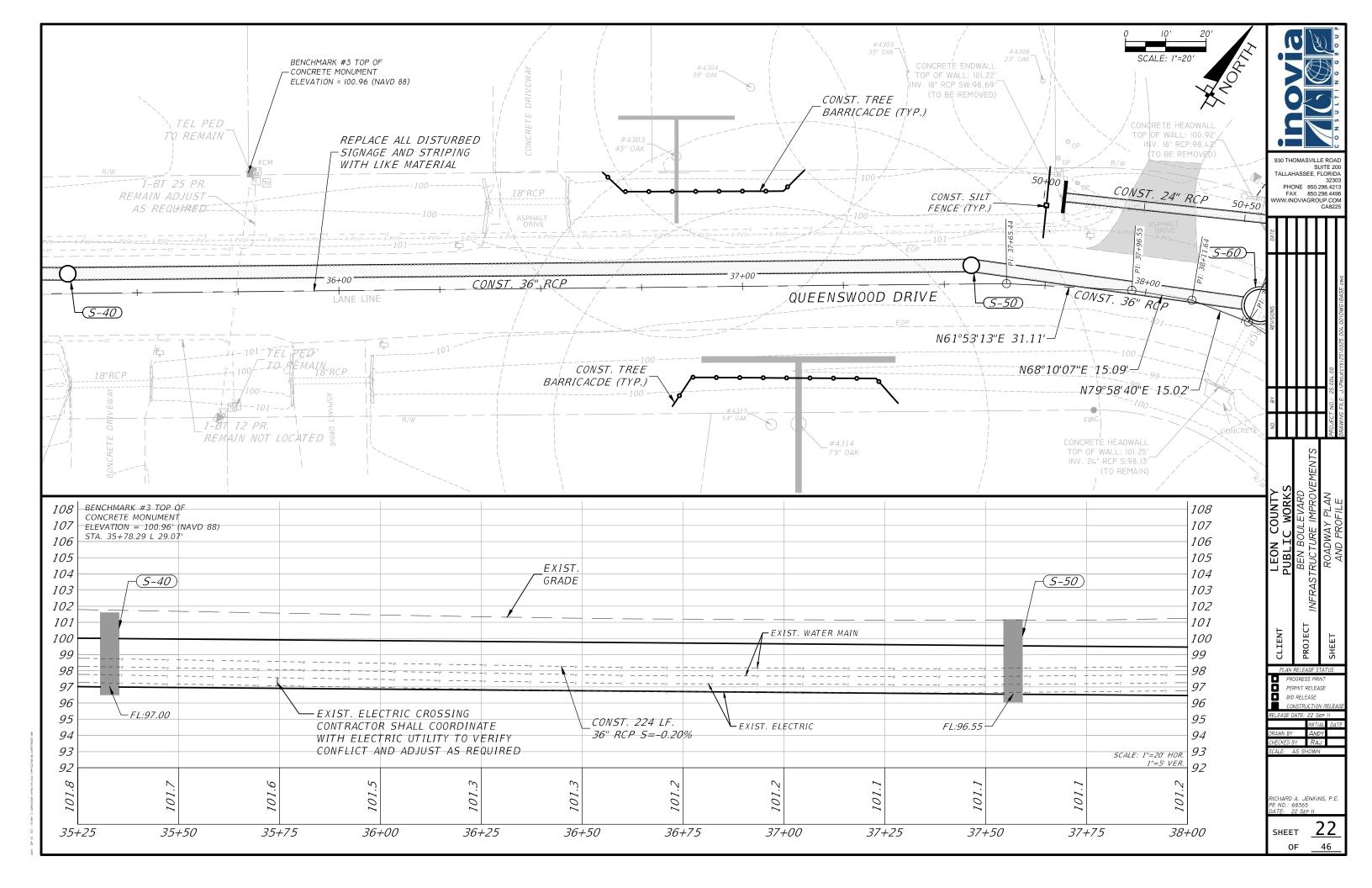


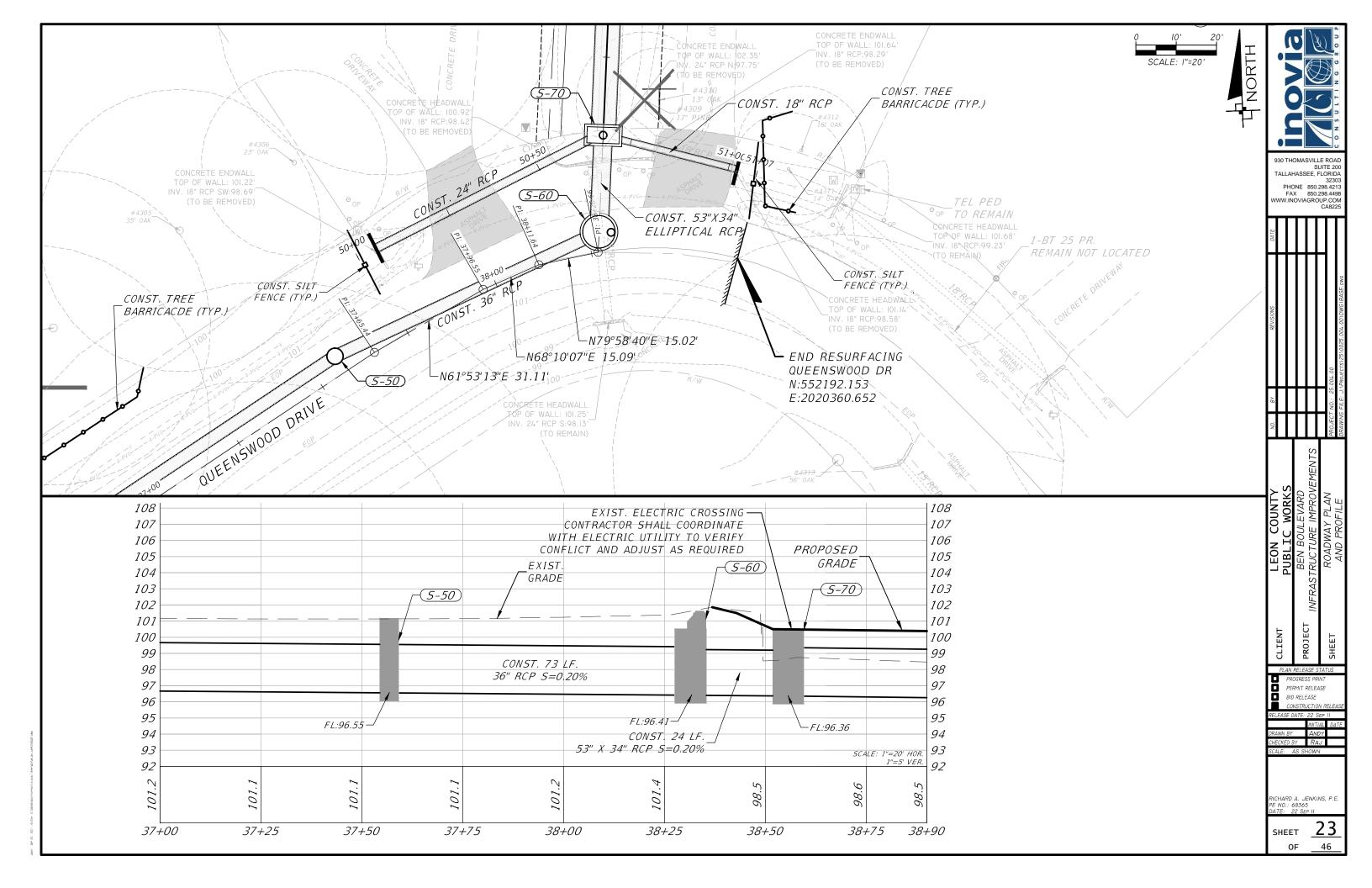


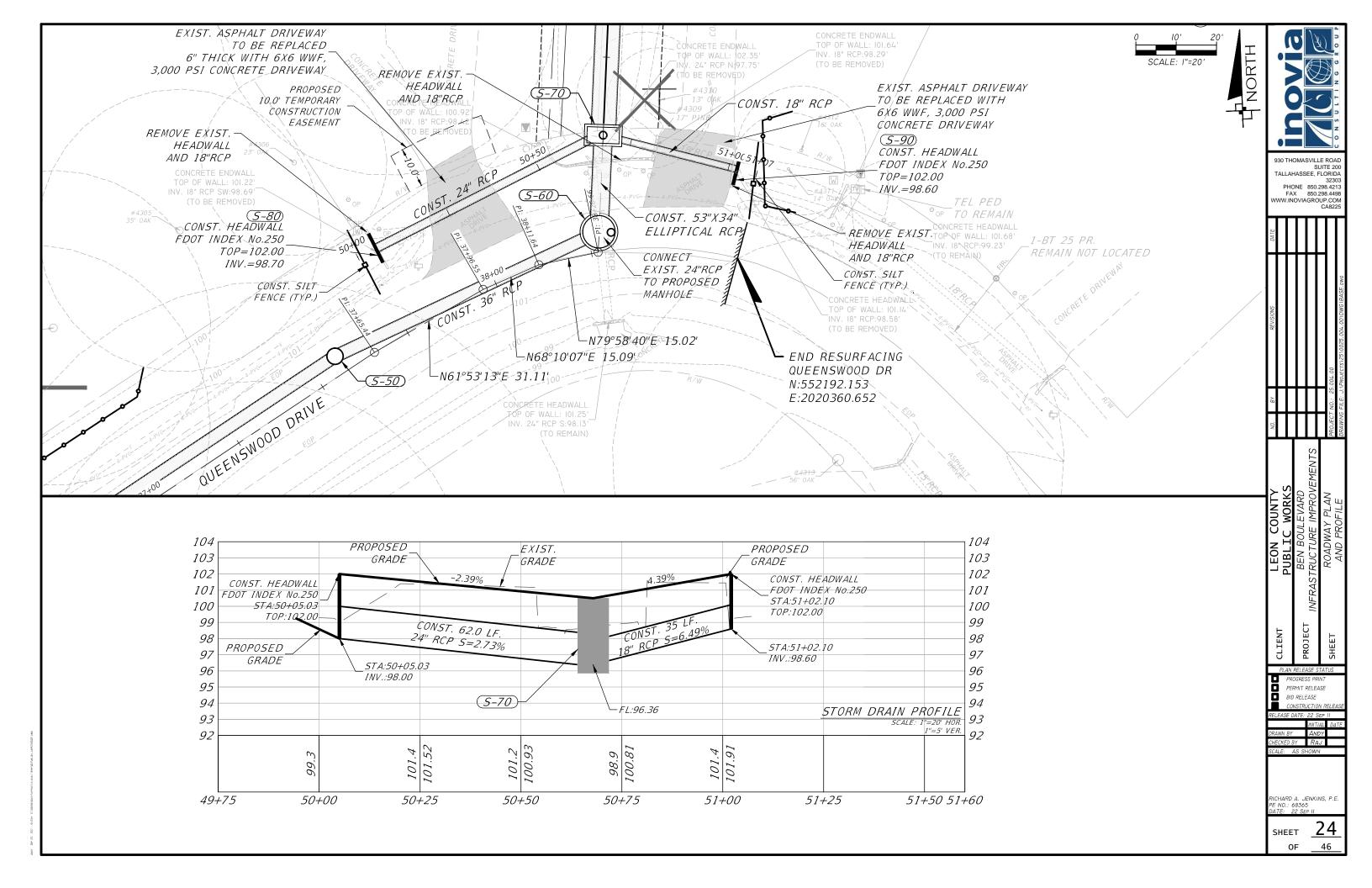


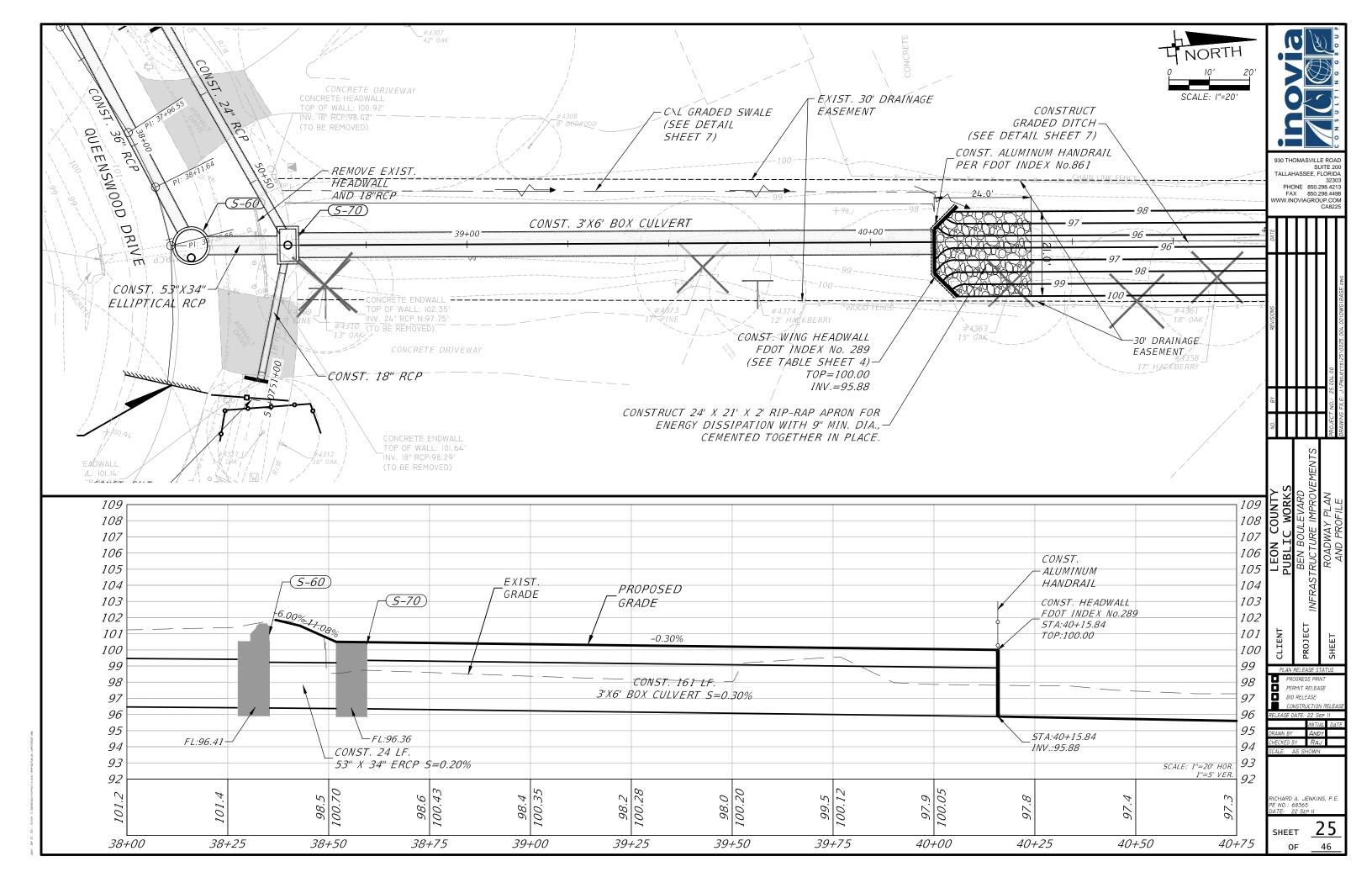


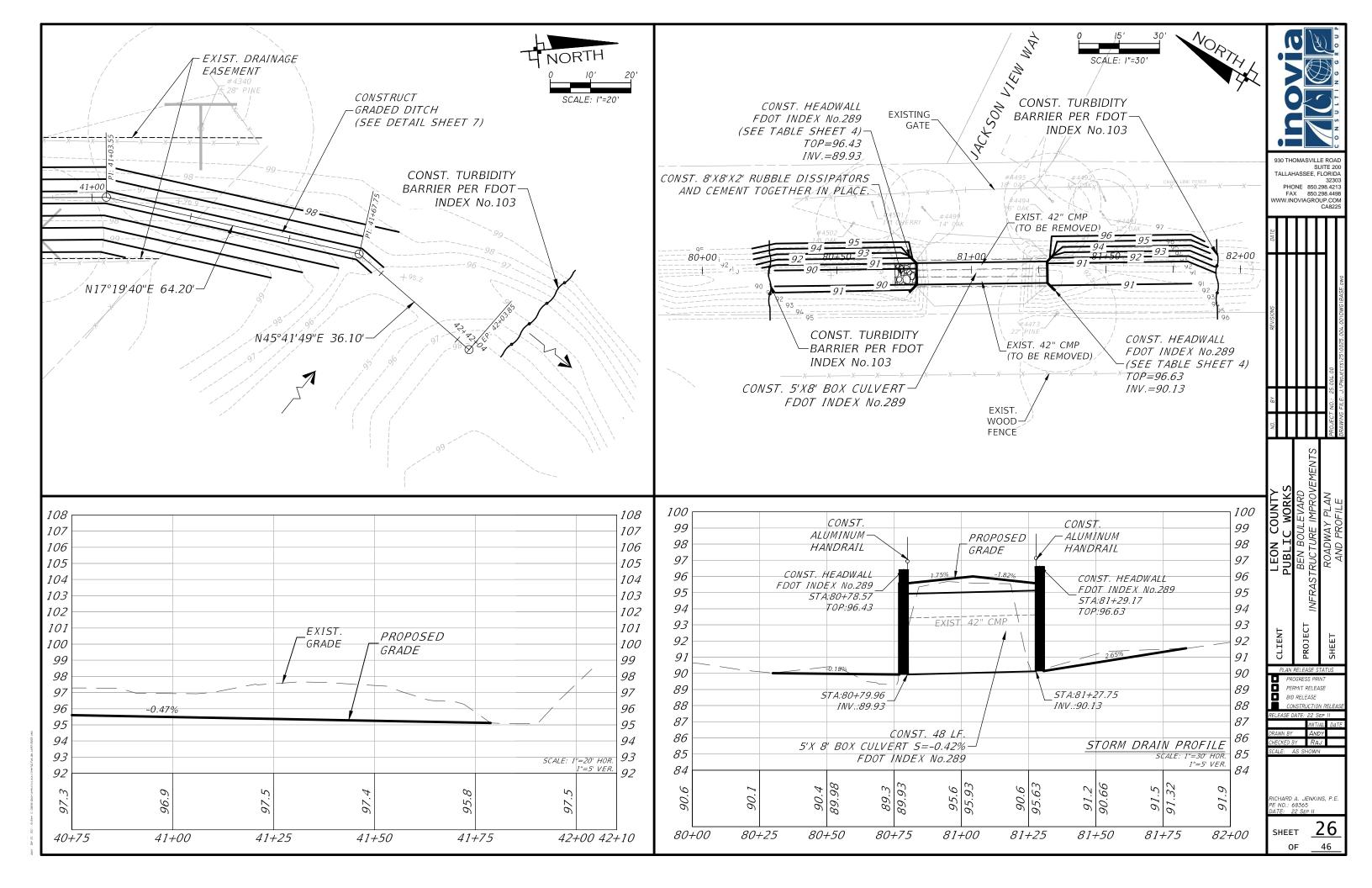


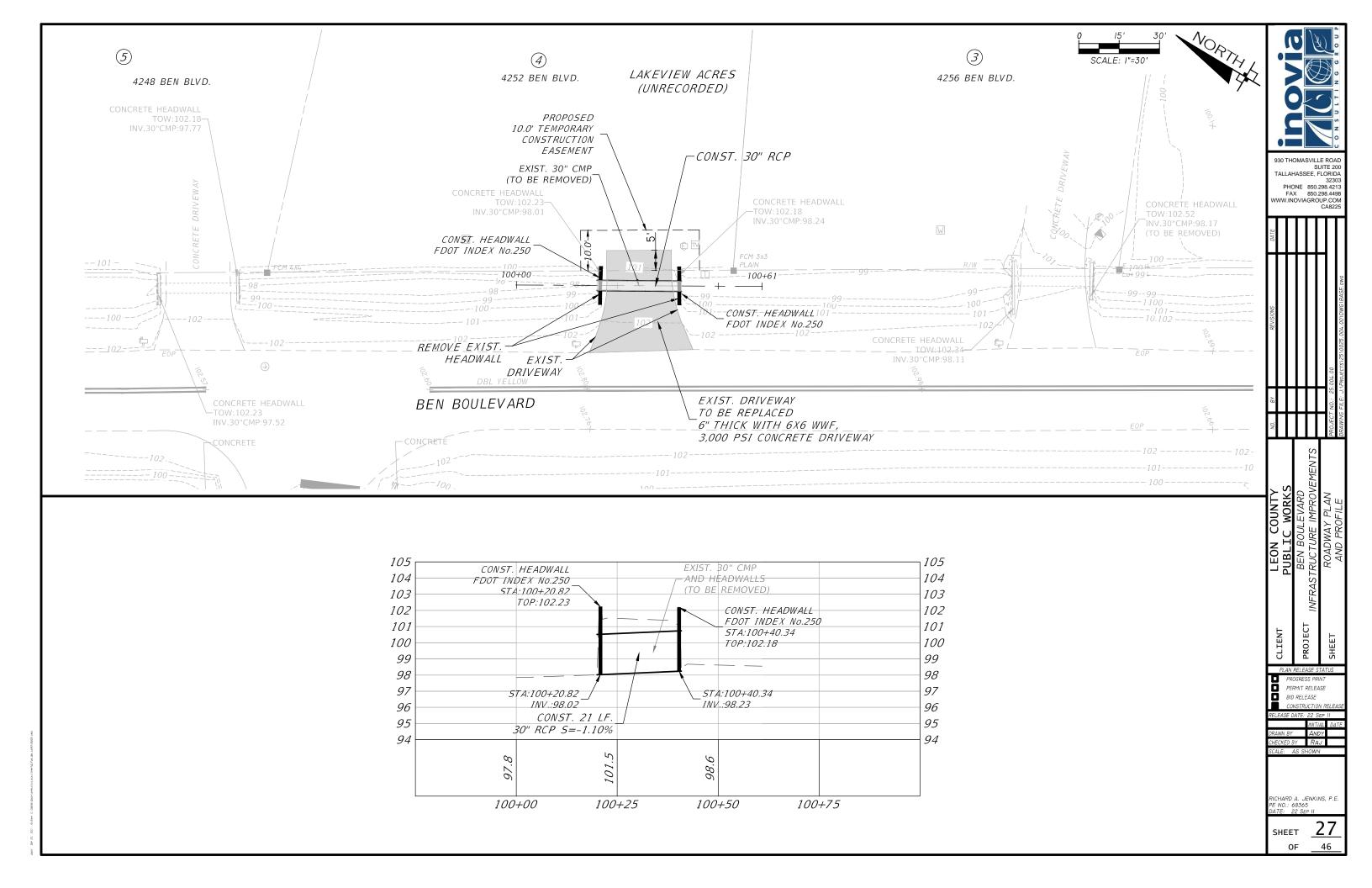


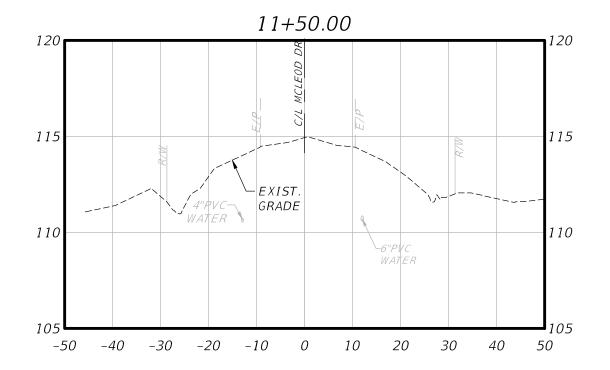


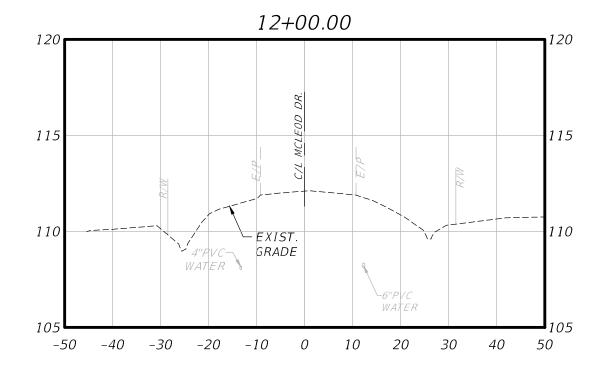


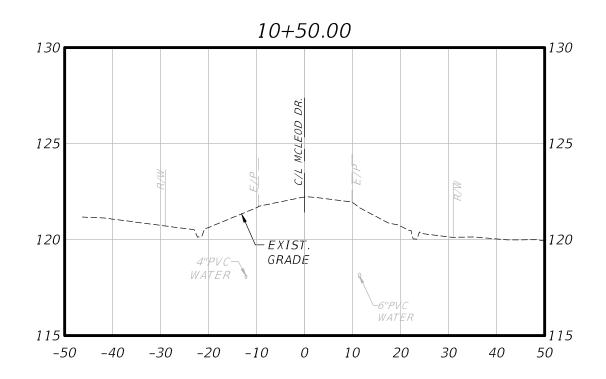


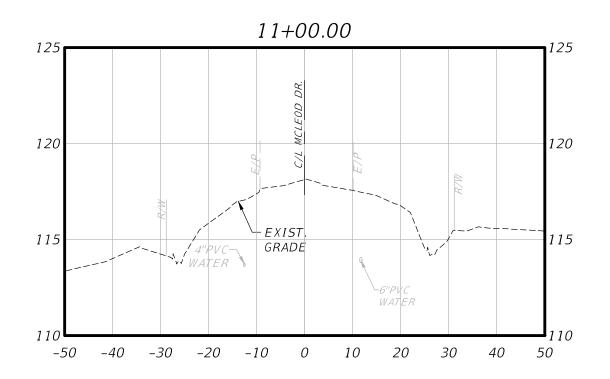
















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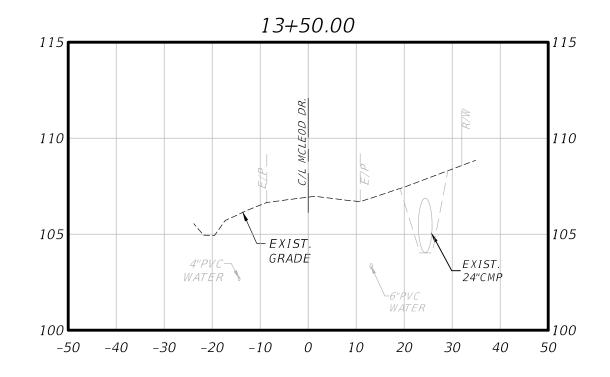
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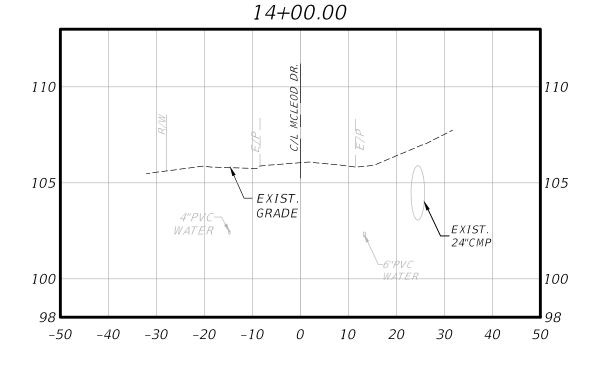
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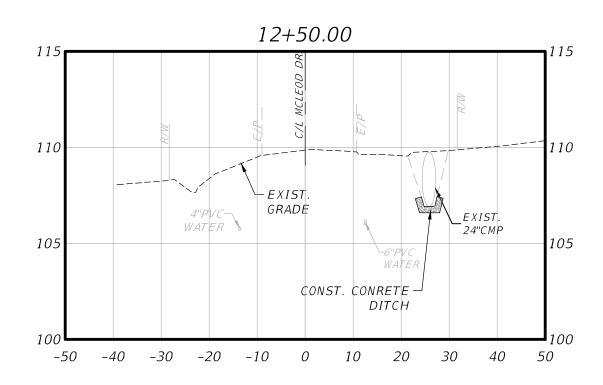
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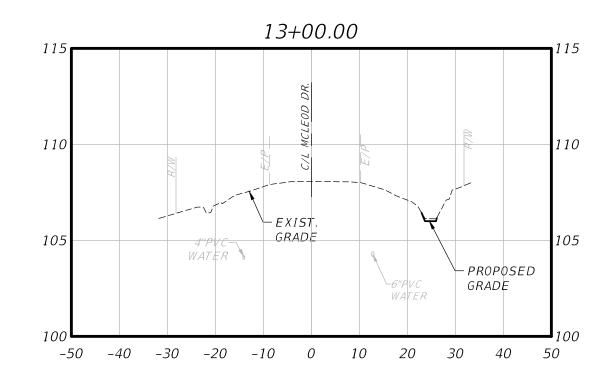
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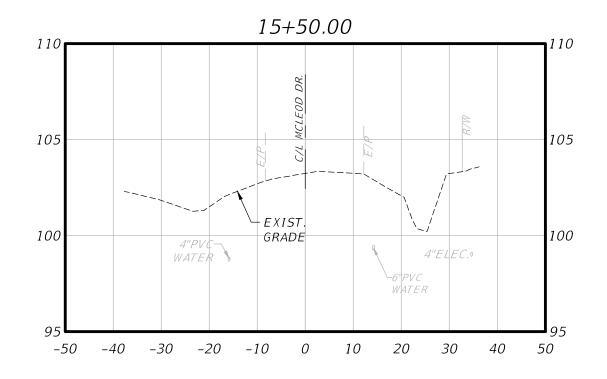
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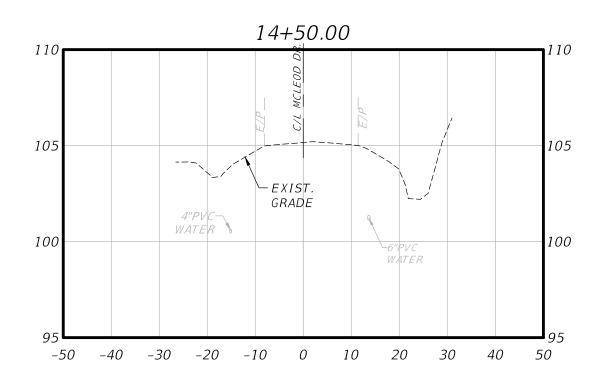
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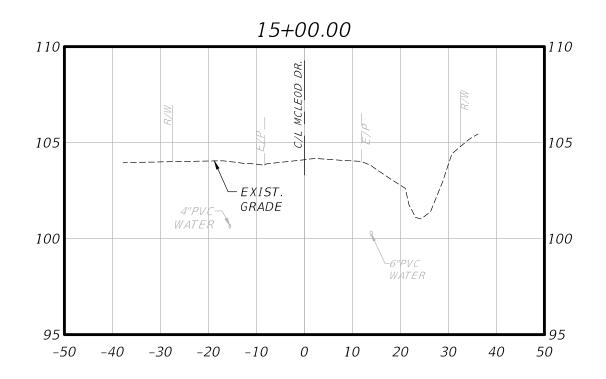
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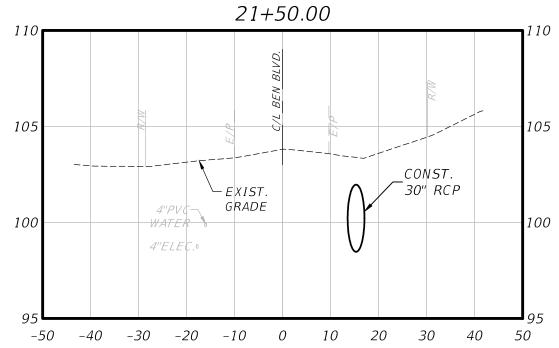
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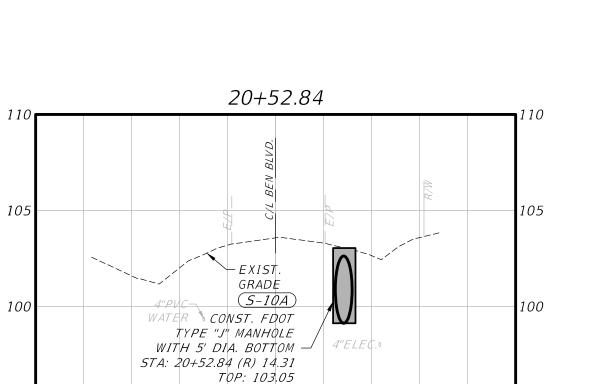
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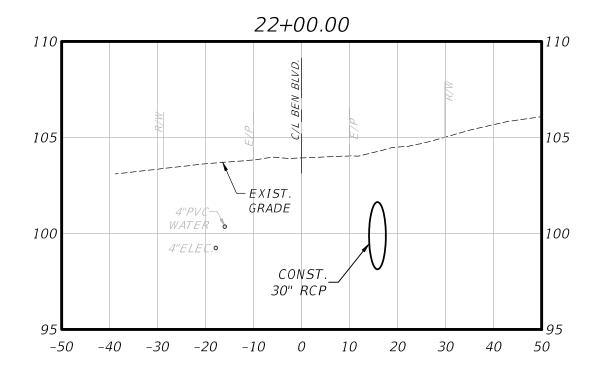
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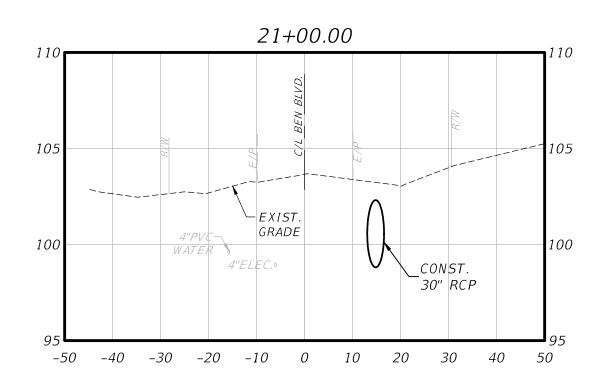
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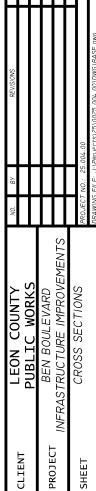




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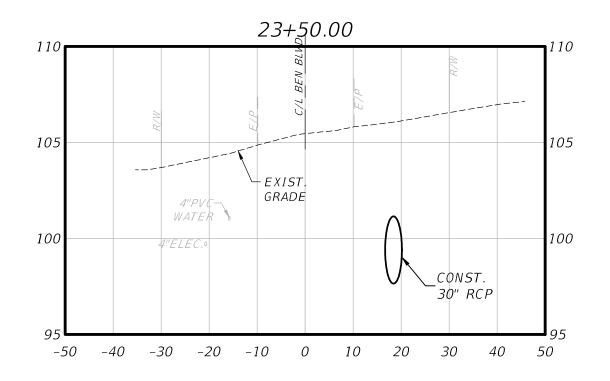
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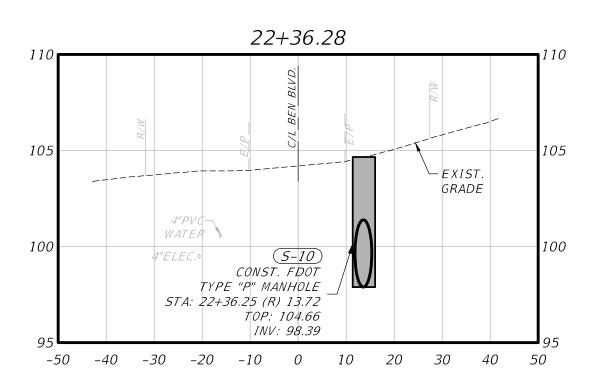


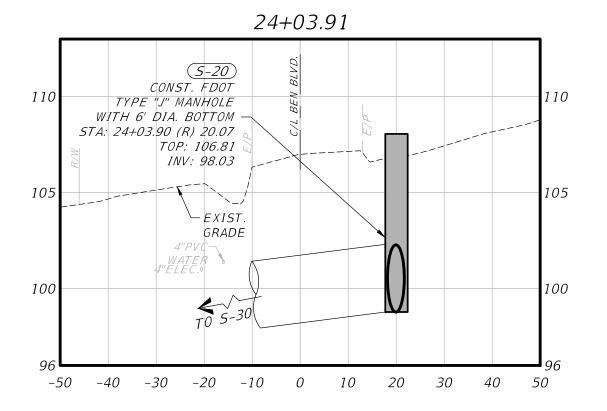
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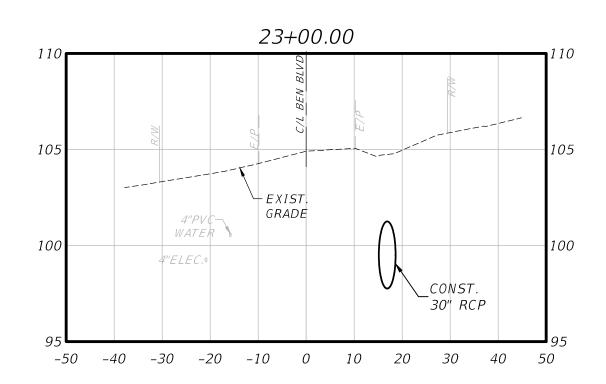
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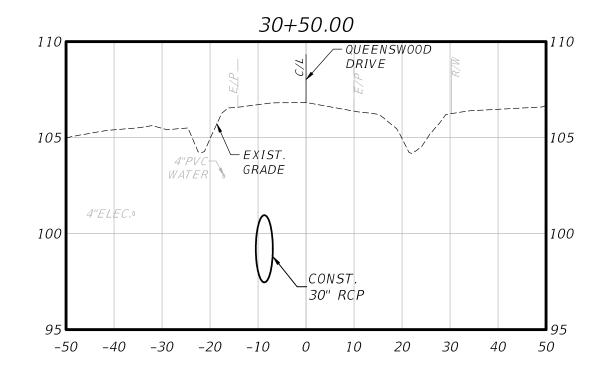
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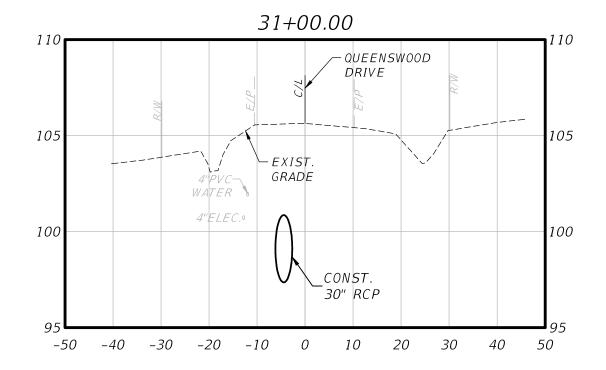
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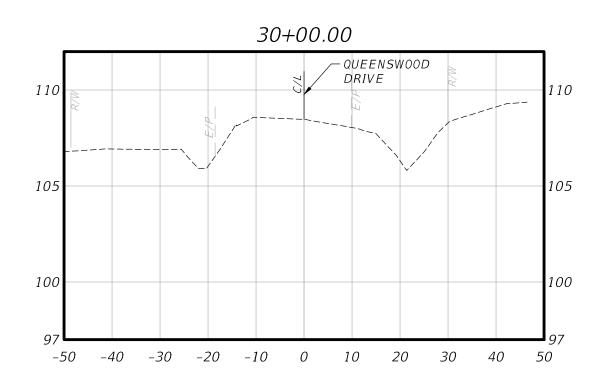
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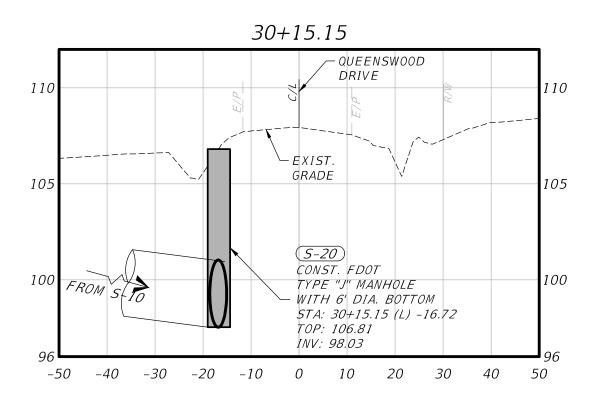
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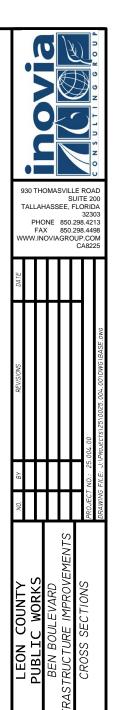
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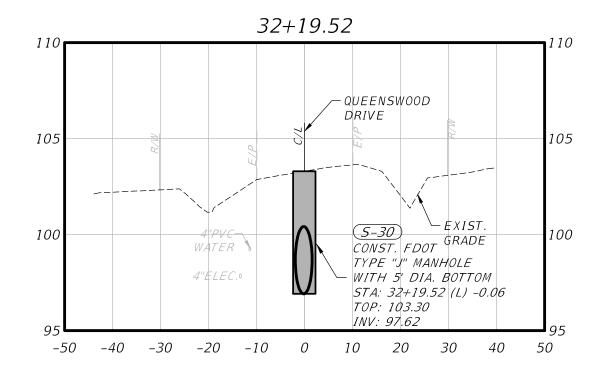
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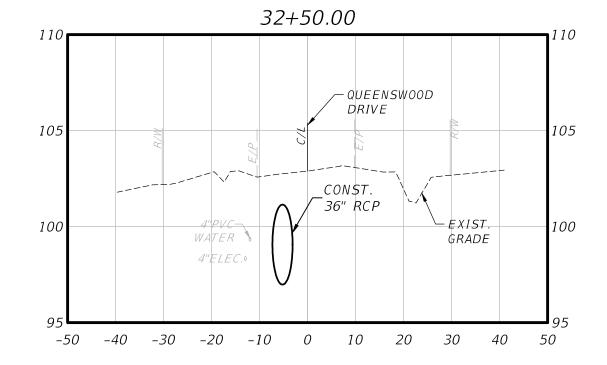
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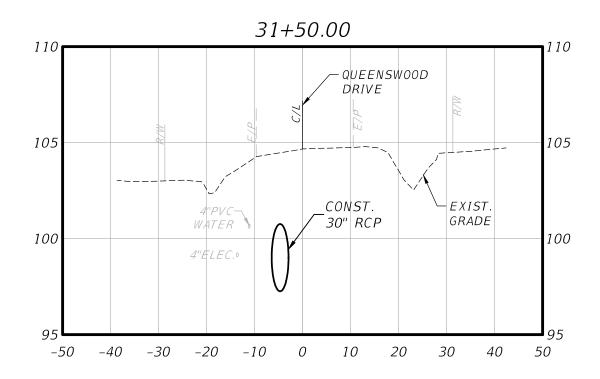
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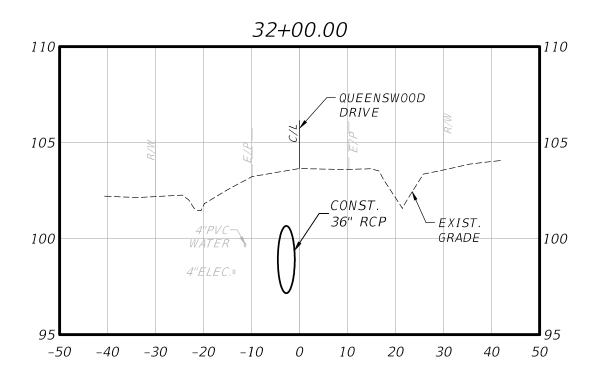
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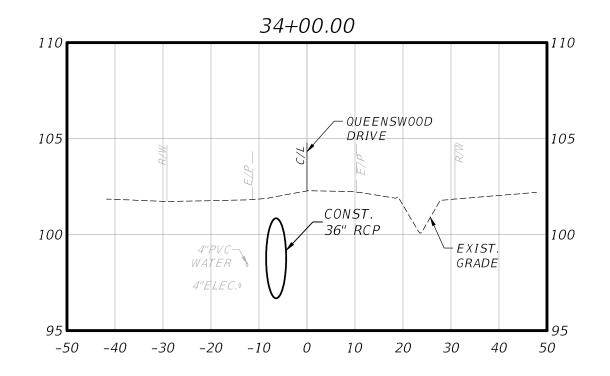


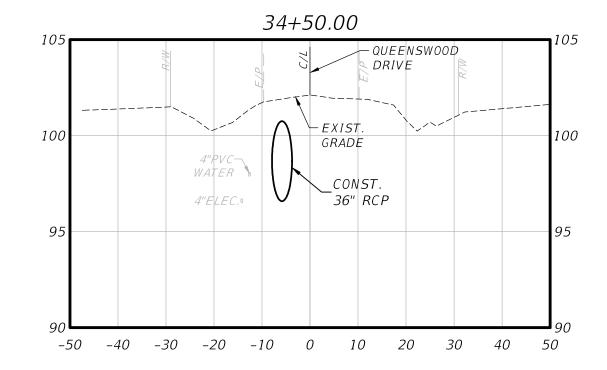


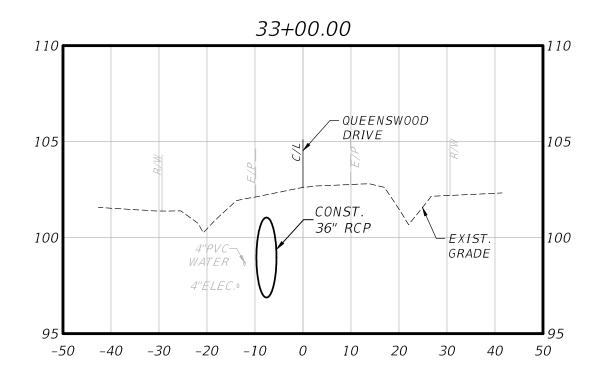
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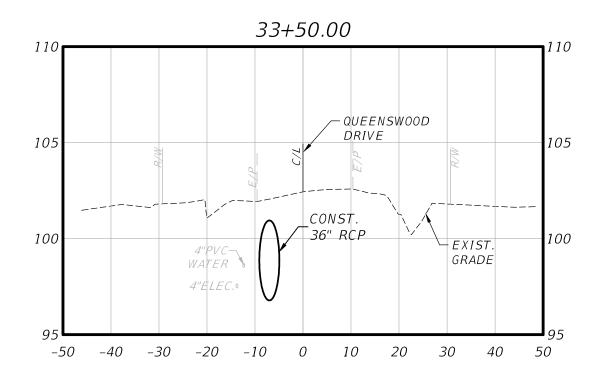
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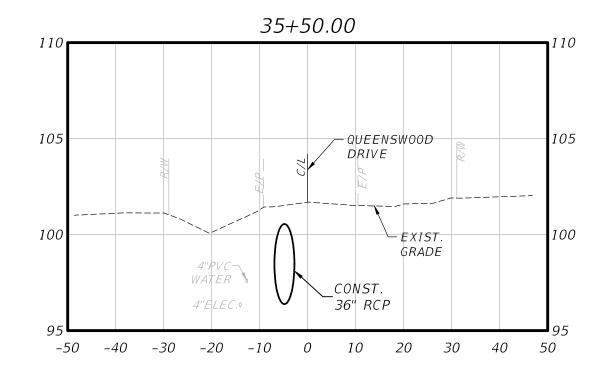


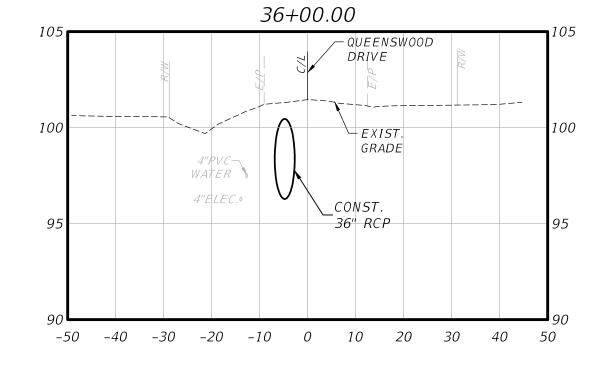
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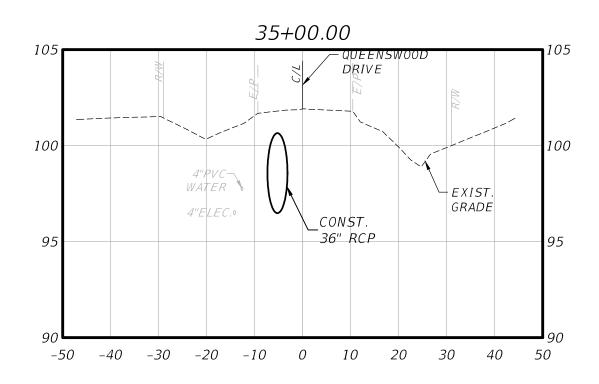
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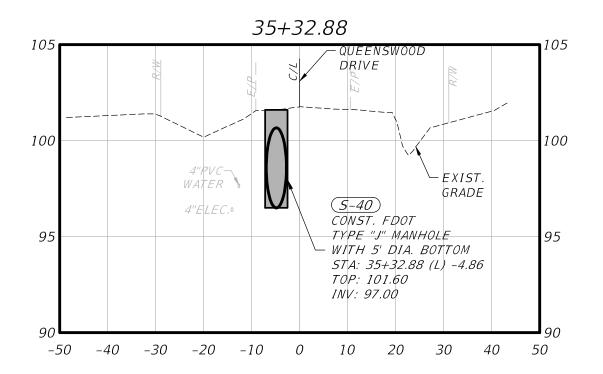
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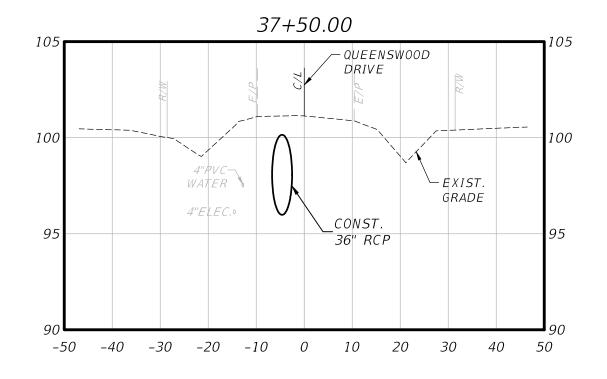
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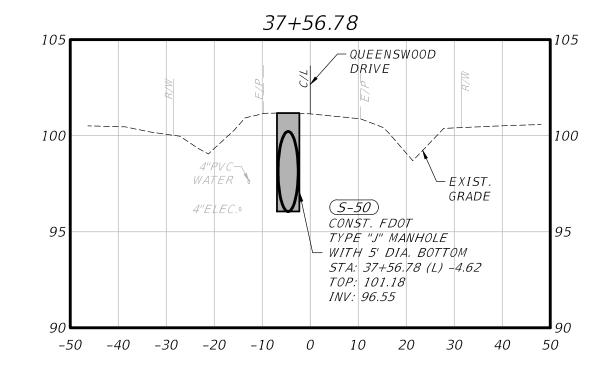
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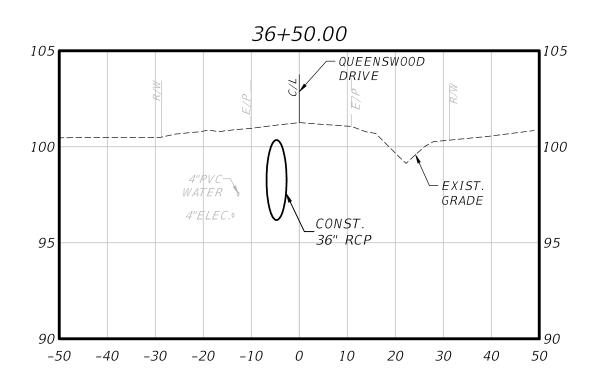
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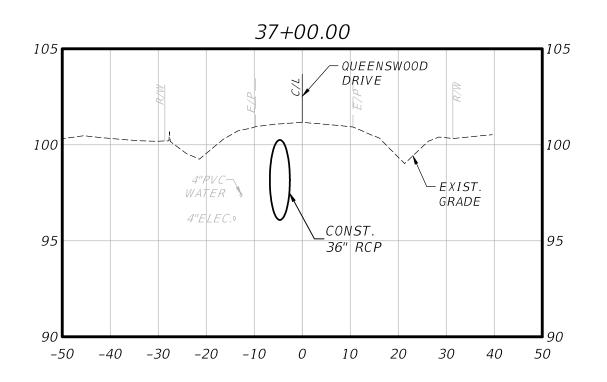
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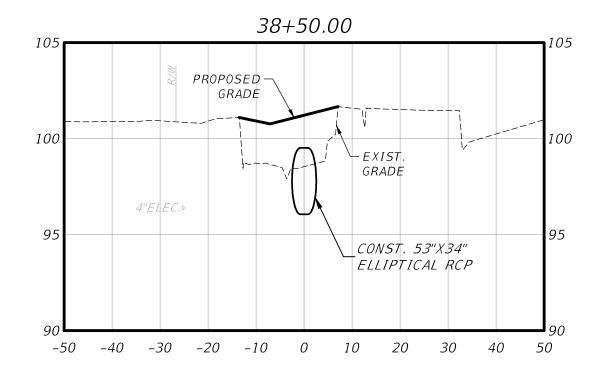
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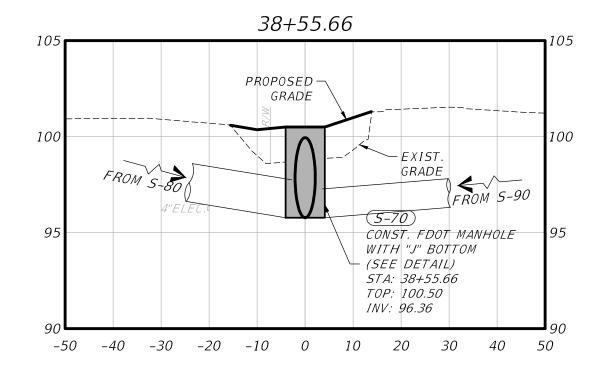
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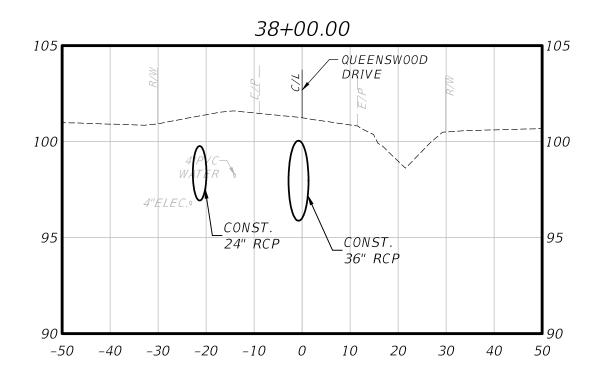
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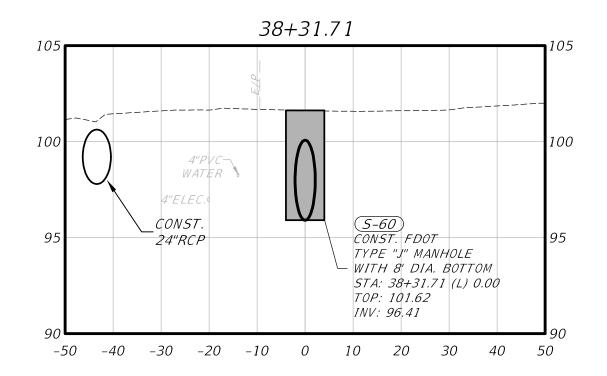
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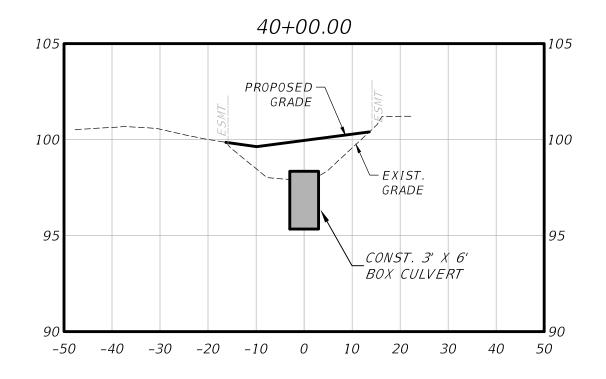
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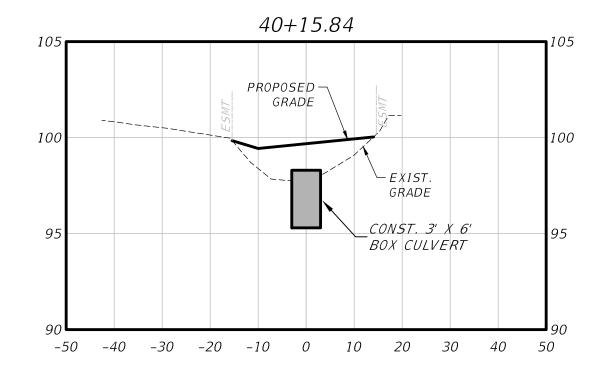
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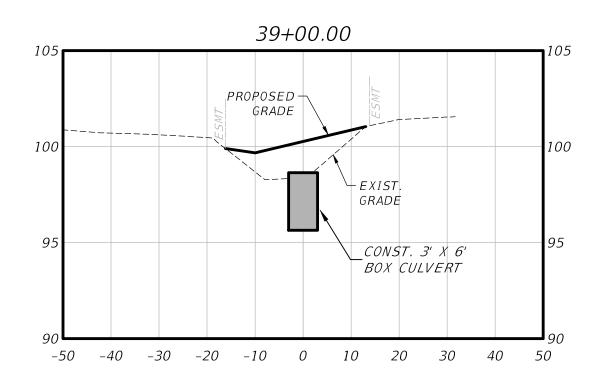
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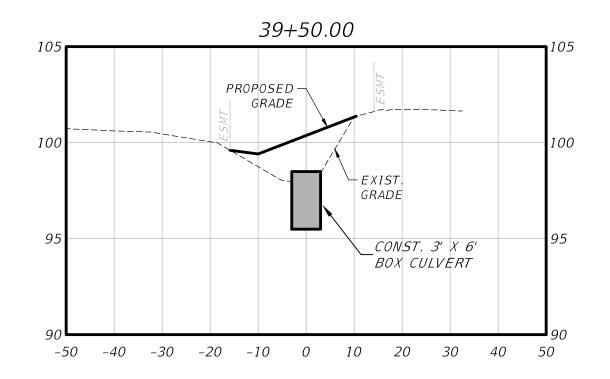
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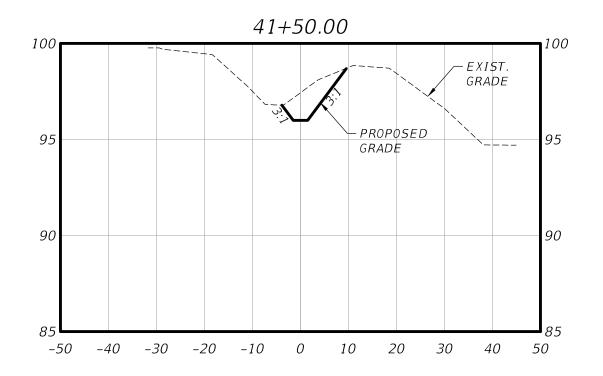
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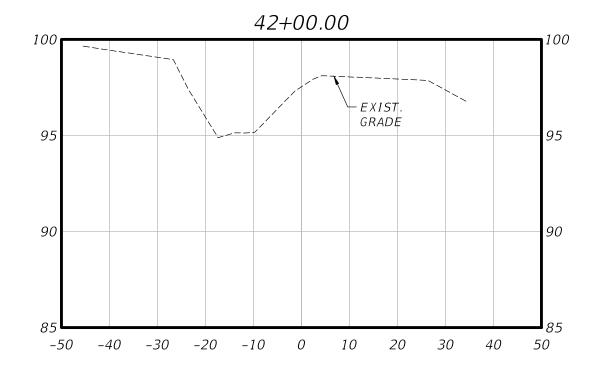
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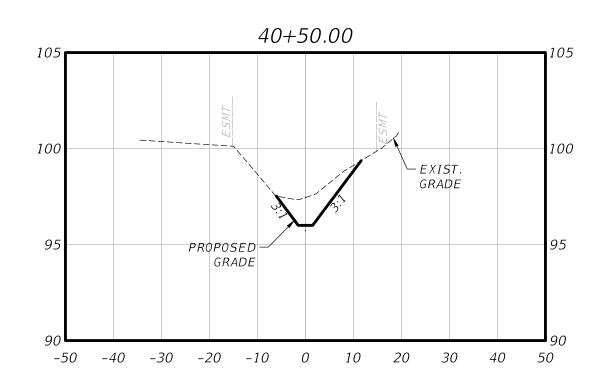
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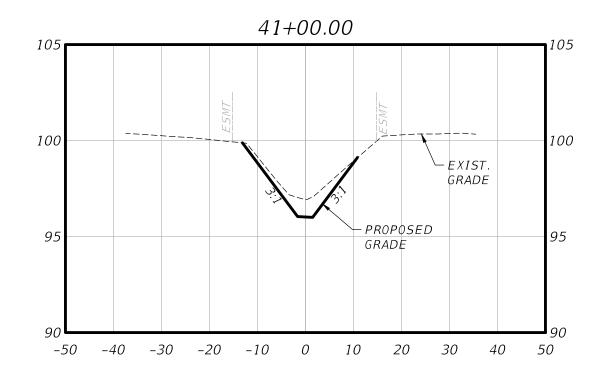
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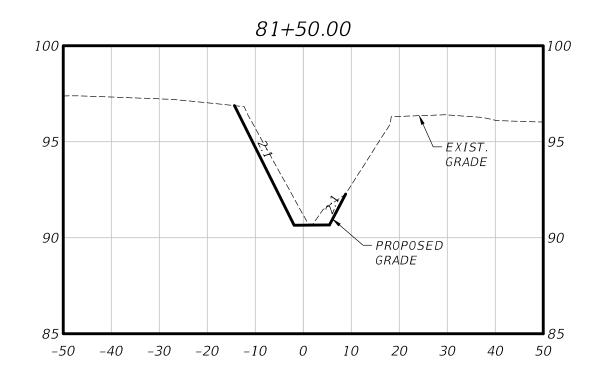
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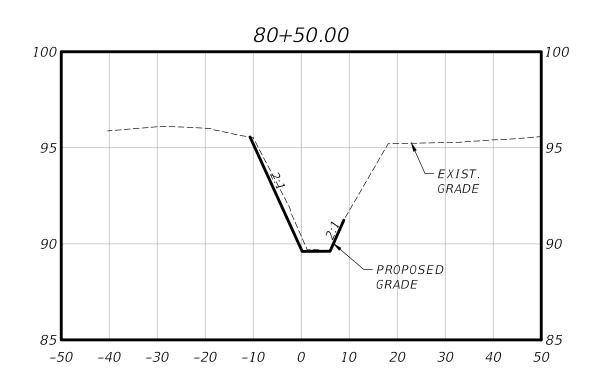
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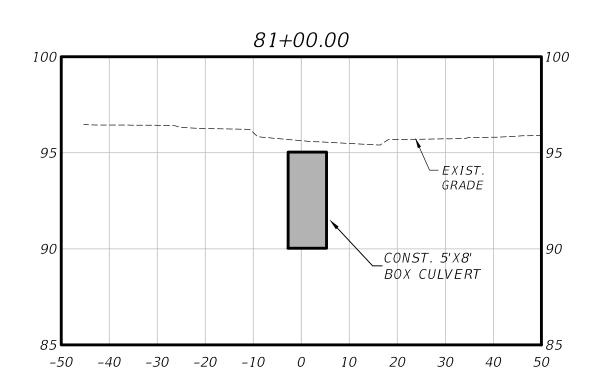
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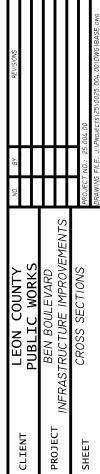
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MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

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 or utility work.

ABBREVIATIONS

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 FDAT Florida Department Of Transportation HAR Highway Advisory Radio Taper Length, Buffer Length Or Taper Length Plus Buffer Space MAS. Motorist Awareness System MOT Maintenance Of Traffic MOTO Maintenance Of Traffic Committee MUTCO 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 RPM Raised Retroreflective Pavement Marker RSDU Radar Speed Display Unit Posted Speed Of Off-Peak 85 Percentile Speed (MPH)

SLEO Speed and Law Enforcement Officer
TTC Temporary Traffic Control
TCP Traffic Control Plan(s)
TCZ Traffic Control Zones
TMA Truck Mounted Attenuator
VECP Value Engineering Change Proposal

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

SYMBOLS

The symbols shown are found in the FDDT 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

№ Work Zone Sign

∞ Traffic Signal

• Advance Warning Arrow Panel

Portable Signal

C.c. Crash Cushion

Stop Bar

W Work Vehicle With Flashing Beacon

Shadow (S) Dr Advance Warning (AW) Vehicle

X ¶ With Advance Warning Arrow Panel And Warning Sign

Truck Mounted Attenuator (TMA)

Orange Flag For TCZ Signs
Orange Flag For TCZ Signs

Law Enforcement Officer

Portable Regulatory Sign

Radar Speed Display Unit

___ Portable Changeable (Variable)

Message Sign

⇒ Lane Identification + Direction Of Traffic

TRAFFIC CONTROL PHASING PLAN PHASE I

Intersection of Ben Boulevard and Queenswood Drive /

Queenswood Drive / Leon County Drainage Easement (see attached Phase I Traffic Control Plan).

- 1. Construct proposed drainage modifications within Ben Blvd. and Queenswood Dr. Intersection, along Queenswood Drive and within adjacent easements.
- 2. Overlay pavement per construction plans.
- 3. Replace signing and pavement markings.

Note:

1. Phasing Plans are recommendation only. Contractor may choose to use a different sequence so long as the proper advanced signing is provided at all times.

- 2. No road closures are permitted for this project other than as depicted in the attached Traffic Control Plan.
- 3. Minimum 3 days notice to Leon County Public Works is required before road closure.

<u>PHASE II</u>

Drainage improvements at intersection of Ben Boulevard and Queenswood Way (see attached Phase II Traffic Control Plan).

- 1. Construct proposed drainage improvements at intersection.
- 2. Overlay pavement per construction plans.
- 3. Replace signing and pavement markings.

TRAFFIC CONTROL NOTES

SEPT. 3-5, NOV. 24-27 AND DEC. 24-25, 2011.

1. THE PURPOSE OF THESE DRAWINGS ARE TO PROVIDE GUIDANCE TO THE CONTRACTOR IN DEVELOPING A TRAFFIC CONTROL PLAN THAT ADEQUATELY ASSURES THE SAFETY OF MOTORISTS, PEDESTRIANS, CONSTRUCTION WORKS AND IS SPECIFIC TO THE MEANS AND METHODS OF CONSTRUCTION TO BE EMPLOYED AND THE SCHEDULE FOR PERFORMING THE WORK. THE CONTRACTOR SHALL PREPARE HIS OWN TRAFFIC CONTROL PLAN AND OBTAIN A MAINTENANCE OF TRAFFIC PERMIT FROM LEON COUNTY PUBLIC WORKS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES

- 2. 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.
- 3. 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:
- 4. 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.
- 5. 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 ADDITIONAL MAINTENANCE OF TRAFFIC DUE TO THIS SHALL BE INCIDENTAL AND INCLUDED IN PAY ITEM 102-1.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EVACUATION 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.

MARKING:

10. 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:

11. EXISTING POSTED SPEED: 30 MPH
TRAFFIC CONTROL PLAN DESIGN SPEED: 30 MPH

12. DROP OFF CRITERIA AS SPECIFIED IN FDOT STANDARD INDEX 600 SHALL BE ADHERED TO AT ALL TIMES.

CHANGEABLE (VARIABLE)

MESSAGE SIGN:

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

CONST AHEAD CAUTION

- 14. CONTRACTOR SHALL CLOSE NO MORE THAN 800' OF TRAVEL LANE AT ONE TIME.
- 15. COVER EXCAVATED HOLES WHEN OPENED BACK TO TRAFFIC, IF BARRICADES ARE REQUIRED STEADY BURN LIGHTS SHOULD BE PROVIDED.
- 16. THE ATTACHED TRAFFIC CONTROL PLANS ARE IN SUPPLEMENT TO FDOT STANDARD INDEX No.600.
- 17. THE CONTRACTOR SHALL NOTIFY THE HOME OWNERS BEFORE LANE CLOSURES OR ROAD CLOSURES.



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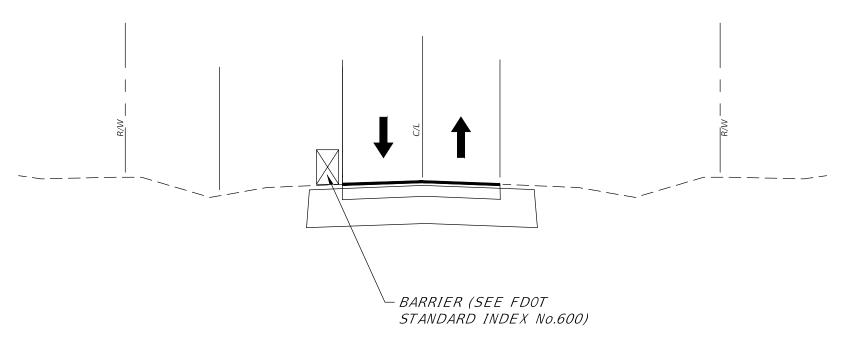
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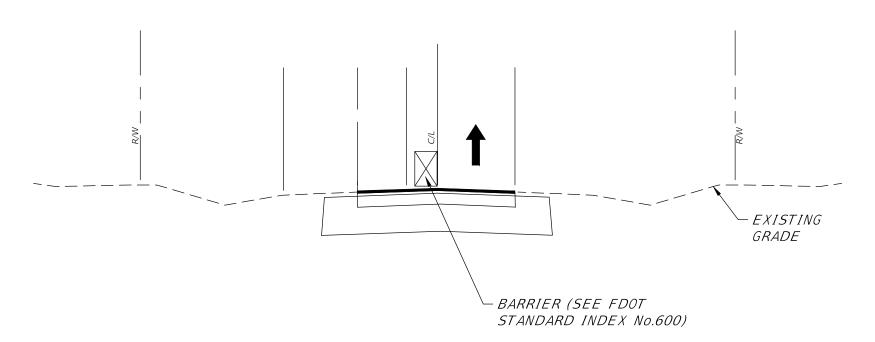
ICHARD A. JENKINS, P.E E NO.: 68365 ATE: 22 SEP II

SHEET <u>42</u>

OF _



TYPICAL SECTION WITHOUT LANE CLOSURE



TYPICAL SECTION WITH LANE CLOSURE



930 THOMASVILLE ROA SUITE 2' TALLAHASSEE, FLORID 3231 PHONE 850.298.421 FAX 850.298.445

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√ SS	NO.	ВУ	REVISIONS	DATE
VEMENTS				
Z.	PROJECT	PROJECT NO.: 25.004.00	00.400	
	DRAWING	1. 17 17 17	DWN 32 NBVS/MOVOD 700 3200132131000111 - 111 SINIMIVAD	

LEON COUNTY
PUBLIC WORKS
BEN BOULEVARD

CLIENT
PROJECT

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PERMIT RELEASE
BID RELEASE

BID RELEASE

CONSTRUCTION RE

RELEASE DATE: 22 SEP

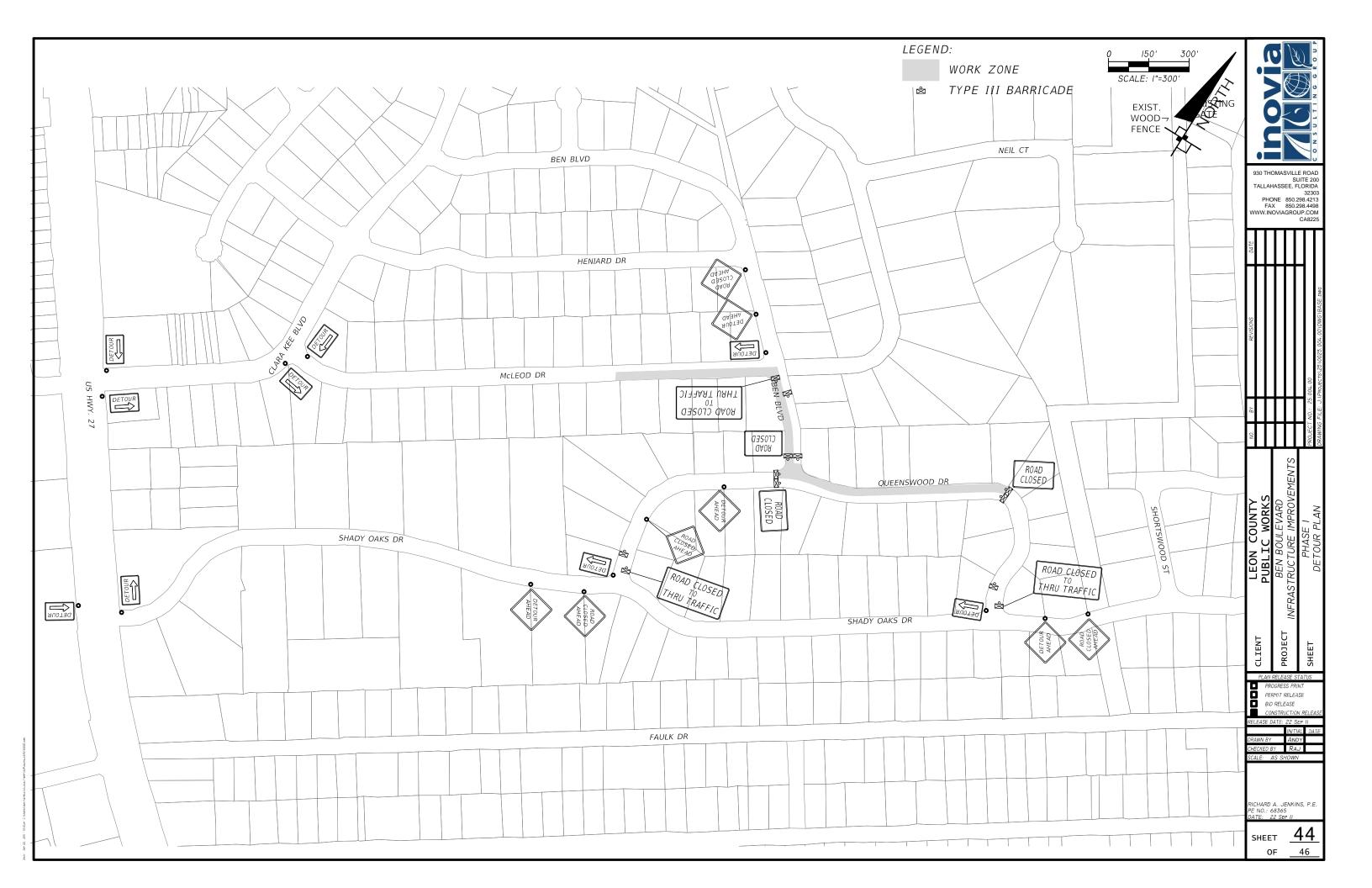
DRAWN BY ANDY
CHECKED BY RAJ

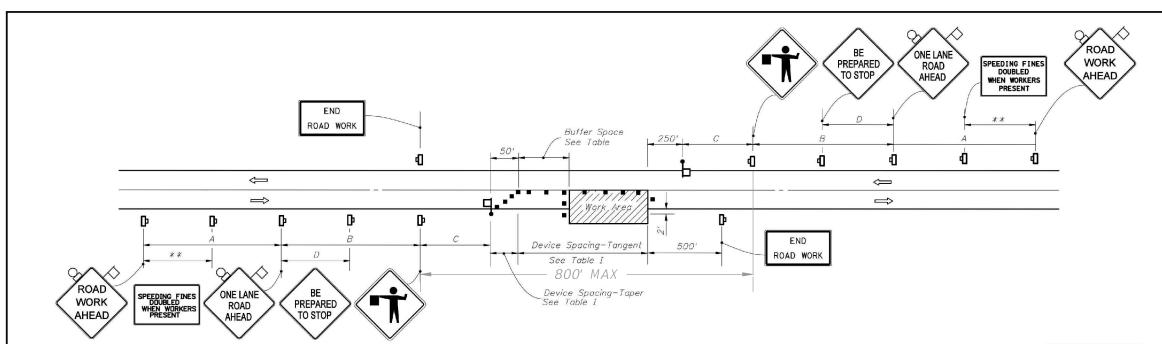
CHECKED BY RAU SCALE: AS SHOWN

> RICHARD A. JENKINS, P. PE NO.: 68365 DATE: 22 SEP II

SHEET <u>4</u>

ANDY SEP 22, 2001 - 10:548 CNUSSISTAN





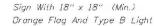
DISTANC	E BET	WEEN	SIGN	S
Speed		Spacii	ng (ft.)
(mph)	Α	В	C	D
40 or less	200	200	200	100
45	350	350	350	175
50	500	500	500	250
55 or greater	2640	1640	1000	500

- * The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD
- ** 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever
- *** BE PREPARED TO STOP sign may be omitted for speeds of 45 MPH or less.

SYMBOLS



Work Area



- Channelizing Device (See Index No. 600)
- (AFAD), With Gate

TABLE I DEVICE SPACING Max. Distance Between Devices (ft.) Type I or Type II Cones or Speed ricades or Vertical Tubular Markers Panels or Drums Taper Tangent Taper Tangent 25 to 45 20 20 50

GENERAL NOTES

20

100

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- 1. Work operations shall be confined to one traffic lane, leaving the opposite lane open to traffic.
- 2. Additional one-way control may be effected by the following means:

50 to 70

20

- (1) Flag-carrying vehicle; (2) Official vehicle; (3) Pilot vehicles; (4) Traffic signals.
- When flaggers are the sole means of one-way control, the flaggers shall be in sight of each other or in direct communication at all times.
- 3. The ONE-LANE ROAD signs are to be fully covered and the FLAGGER signs either removed or fully covered when no work is being performed and the highway is open to two-way traffic.
- 4. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.

- 5. The two channelizing devices directly in front of the work area and the one channelizing device directly at the end of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
- 6. For general TCZ requirements and additional information, refer to Index No. 600.

DURATION NOTES

- 1. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
- a) Work operations are 60 minutes or less.
- b) Speed limit is 45 mph or less.
- c) No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space.
- d) Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
- e) Volume and complexity of the roadway has been considered.

BUFFER	SPACE
Speed (mph)	Dist. (ft.)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

When Buffer Space cannot be attained due to aeometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA BETWEEN THE CENTERLINE AND A LINE 2' OUTSIDE THE EDGE OF TRAVEL WAY.



2010 FDOT Design Standards

TWO-LANE TWO-WAY, WORK WITHIN THE TRAVEL WAY

Last Revision 07/01/09

Sheet No. 1 of 2 603

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CHARD A. JENKINS, P.E. E NO.: 68365 ATE: 22 SEP II 45 SHEET

PROJECT

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Work Zone Sign

Flagger □ਾ

Automated Flagger Assistance Devices

Lane Identification + Direction of Traffic

