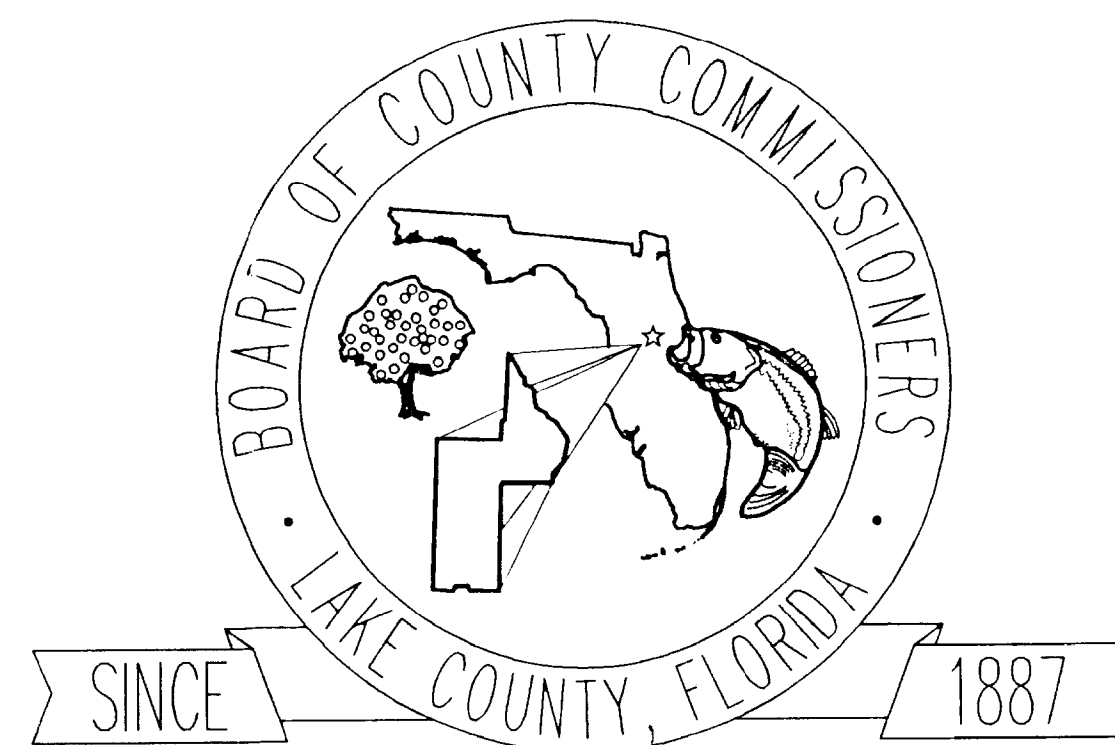


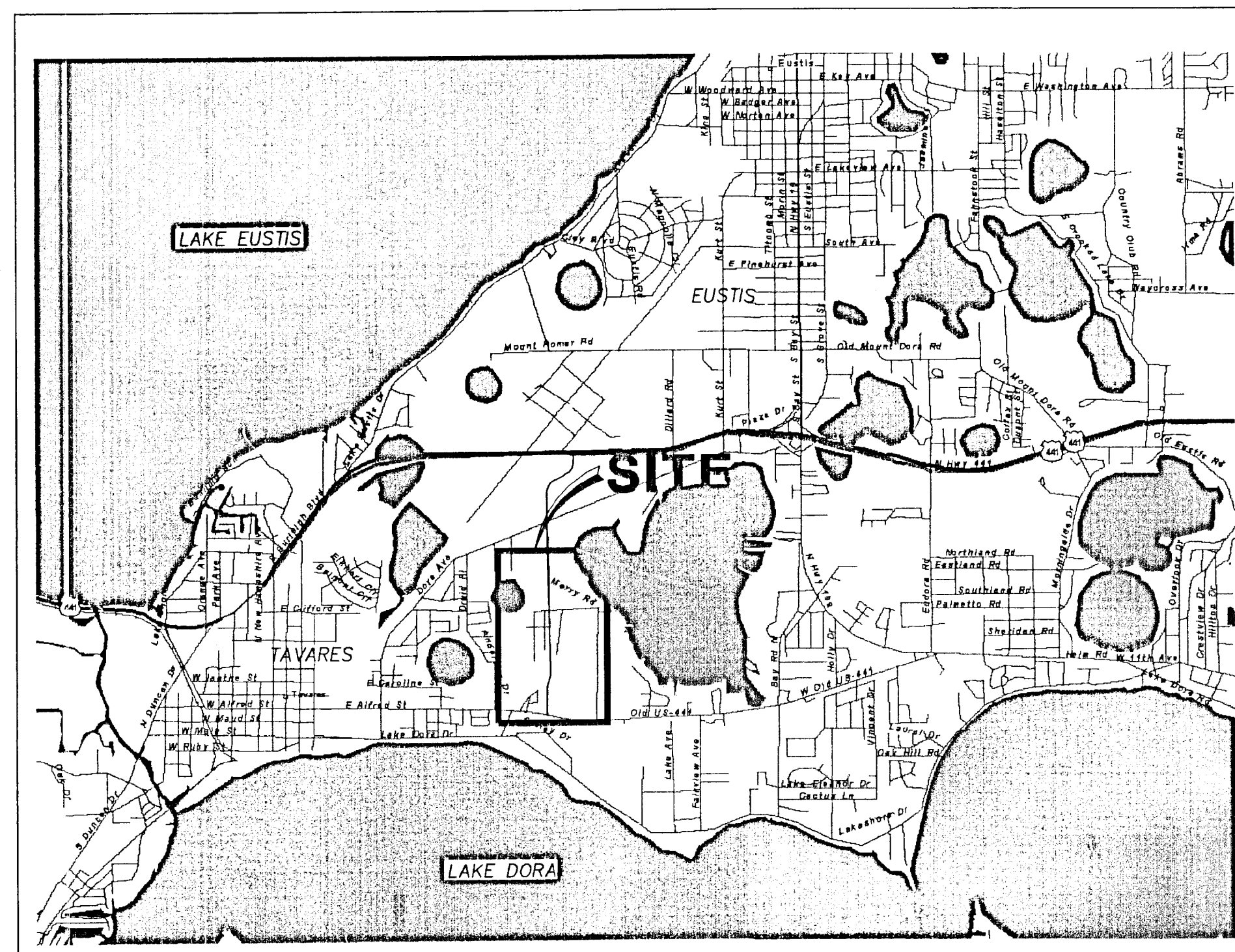
# SOUTH MERRY ROAD PAVING PROJECT

PROJECT NO. **5-00**

**LAKE COUNTY, FLORIDA**



SEPTEMBER 17, 1999



VICINITY/LOCATION MAP

## COUNTY COMMISSIONERS

- DISTRICT 1 - RHONDA H. GERBER
- DISTRICT 2 - ROBERT POOL
- DISTRICT 3 - G. RICHARD SWARTZ, JR.
- DISTRICT 4 - CATHERINE C. HANSON, VICE CHAIRMAN
- DISTRICT 5 - WELTON G. CADWELL, CHAIRMAN

COUNTY MANAGER - SUE B. WHITTLE

LAKE COUNTY DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING DIVISION  
 123 N. SINCLAIR AVENUE  
 TAVARES, FL. 32778  
 (352) 253-4944

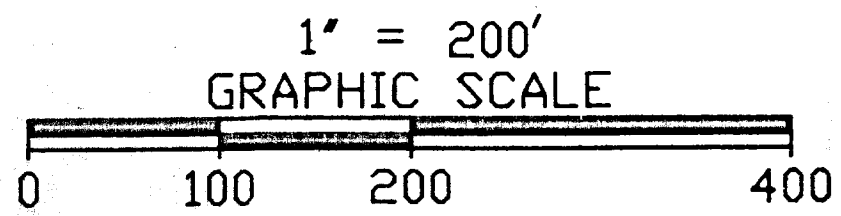
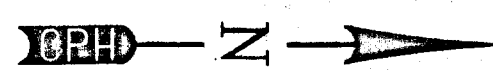
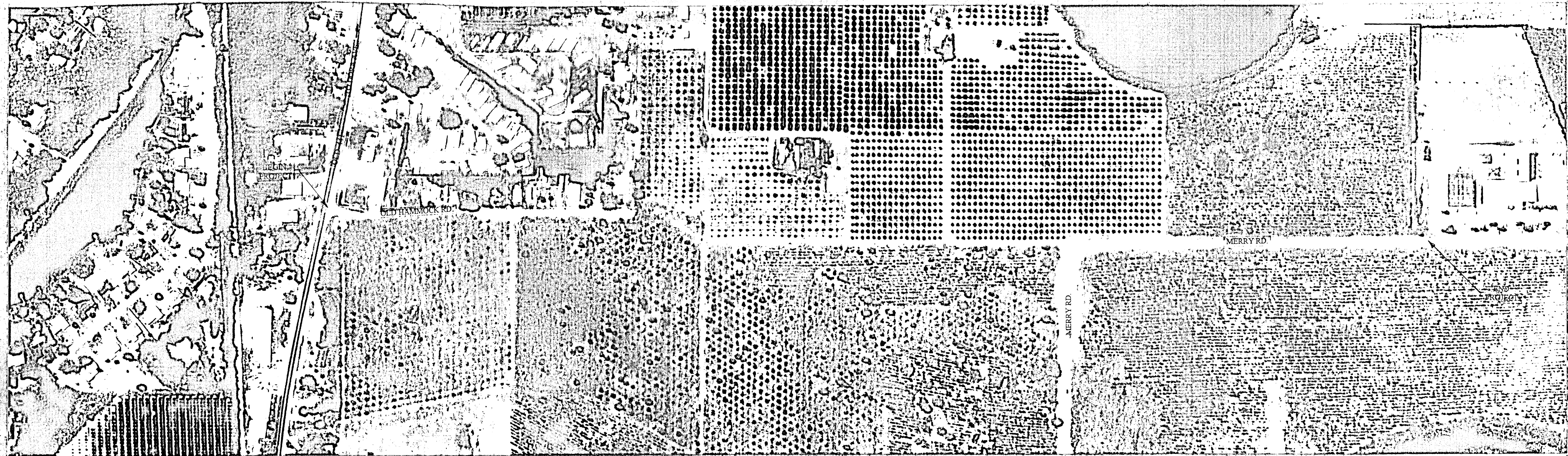
## SHEET INDEX

NO.	DESCRIPTION
1	COVER SHEET
2	AERIAL PHOTOGRAPH
3	GENERAL NOTES / KEY MAP
4	MERRY ROAD PLAN / PROFILE
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6	MERRY ROAD PLAN / PROFILE
7	OLD 441 PLAN (44103001.DWG)
8	MERRY ROAD CROSS SECTIONS
9	MERRY ROAD CROSS SECTIONS
10	DETAILS
11	CR 500A STRIPING

NO.	DATE	REVISION	APPROVED
△	9/17/99	PER LAKE COUNTY COMMENTS	JNH

Conklin Porter and Holmes  
**cph** ENGINEERS, INC.  
 MAINSTREET CENTER  
 101 N. WOODLAND BLVD., SUITE 100  
 DELAND, FLORIDA 32720  
 TEL 904 736-4142 FAX 904 736-8412  
 E-mail: cphland@totcon.com

PROJECT NO. 5-00  
 TRACKING NO. NRD97020



**Conklin Porter and Holmes**  
**ENGINEERS, INC.**  
 MAINSTREET CENTER  
 101 N. WOODLAND BLVD., SUITE 100  
 DELAND, FLORIDA 32720  
 TEL 904-736-4142 FAX 904-736-8412

DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE	NO.	DATE	REVISION	APPROVED
DESIGNED BY:	LGT	5/99				
DRAWN BY:	GSG	5/99				
CHECKED BY:	JCW	5/99				
APPROVED BY:	JAMES N. HUNTER	5/99				
REGISTRATION NO.	21798					

SCALE: 1"=200'  
 DATE: MAY, 1999  
 JOB NO. L3605  
 FILE: AERIAL-MERRY

SHEET NO.  
**2 OF 11**

**PROJECT AERIAL**  
**SOUTH MERRY ROAD**  
 LAKE CO., FLORIDA

1. THE FOLLOWING CORPORATIONS ARE TO BE CONTACTED BY THE CONTRACTOR FOR VERIFICATION OF UTILITY LOCATIONS:

TELEPHONE: SPRINT  
P.O. BOX 610  
OCALA, FL 32678  
ATTN: MIKE THOMPSON  
(352) 368-8800

CABLE: COMCAST  
8130 C.R. 44  
LEG A  
LEESBURG, FL 34788  
ATTN: DANNY FERGUSON  
(352) 787-7875

POWER: FLA. POWER CORPORATION  
275 PONKAN ROAD  
APOPKA, FL 32712  
ATTN: BEN DRIVER  
(407) 646-8578

GAS: CITY OF LEESBURG  
NATURAL GAS  
223 S 5TH STREET  
LEESBURG, FL 34748  
ATTN: CYLAIN CARROLL (SUPERVISOR)  
(352) 728-9840

FLA. GAS TRANSMISSION  
7990 STEER LAKE ROAD  
ORLANDO, FL 32835  
ATTN: MIKE CULLEN  
(407) 295-4341, EXT. 19

2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON SURVEY DATA PROVIDED BY FLORIDA GEODETIC SURVEYING, INC., AND TIMLEPAUGH SURVEYING. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH CANNOT BE AVOIDED DURING CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES, AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY, INCONVENIENCE, OR EXPENSE CAUSED THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED.

3. SOD ALL DISTURBED AREAS.

4. THE CONTRACTOR SHALL PRESERVE AND PROTECT THE EXISTING WELL(S) IF ANY, SERVICE LINE(S) AND EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY PIPING WHICH MAY BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE ENGINEER AND OWNER.

5. BEFORE WORKING WITH OR AROUND EXISTING UTILITIES, THE ENGINEER AND OWNER SHALL BE CONTACTED.

6. SECURITY OF CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PUBLIC RIGHTS-OF-WAY MAY NOT BE UTILIZED FOR STORAGE OF EQUIPMENT OR MATERIAL. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENT FOR STORAGE AND SECURITY.

7. WHERE PROPERTY MARKERS, SECTION CORNERS, SURVEY MARKERS, SUCH AS STONES, PIPES OR OTHER MONUMENTS ARE ENCOUNTERED, THE ENGINEER AND OWNER ARE TO BE NOTIFIED BEFORE THEY ARE MOVED. THE MARKER SHALL BE PROTECTED AND PRESERVED UNTIL THE ENGINEER AND OWNER, AN AUTHORIZED SURVEYOR OR AGENCY HAS WITNESSED OR REFERENCED THEIR LOCATIONS. THE MARKERS SHALL BE REPLACED BY AN APPROVED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

8. TYPICAL DETAILS AS SHOWN ARE TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE METHOD OF CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDED HE SUBMITS A PROPOSAL FOR ALTERNATE METHOD TO ENGINEER FOR APPROVAL AND USES MATERIALS AS DESIGNATED IN THE SPECIFICATIONS.

9. ALL TREES, SHRUBS, ETC. ALONG THE LINES OF CONSTRUCTION SHALL BE PROTECTED UNLESS NOTED OTHERWISE OR APPROVED BY THE OWNER PRIOR TO REMOVAL.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL EXCAVATED MATERIAL OR PURCHASE OF BORROW MATERIAL AS NECESSARY.

11. CHAPTER 553-851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY ALL GAS UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING.

12. REPAIR AND REPLACEMENT OF ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING BEFORE COMMENCING CONSTRUCTION WORK. ALL DRIVES AND MAIL BOXES SHALL BE TEMPORARILY RESTORED TO USABLE CONDITION THE SAME DAY AS DISTURBED AND RESTORED TO ORIGINAL OR BETTER CONDITION PRIOR TO SUBSTANTIAL COMPLETION. AREA WILL BE VIDEOTAPED BEFORE AND AFTER CONSTRUCTION BY THE COUNTY.

13. TRAFFIC CONTROLS BY THE CONTRACTOR SHALL BE AS PER THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" U.S. DEPARTMENT OF TRANSPORTATION, AND LAKE COUNTY STANDARDS.

14. THE CONTRACTOR MUST AT ALL TIMES DURING CONSTRUCTION KEEP EXCAVATIONS FREE FROM STANDING WATER. THEREFORE, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, OPERATION, AND SUBSEQUENT REMOVAL OF DEWATERING SYSTEMS AND THEIR SAFETY AND CONFORMITY WITH LOCAL CODES AND REGULATIONS.

15. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST TO FURNISH, INSTALL AND MAINTAIN THE EROSION PROTECTION SPECIFIED ON THE PLANS, OR TAKE MEASURES, IF NECESSARY, TO PROTECT OFFSITE AND ONSITE PROPERTIES FROM EROSION DURING THIS WORK. HE SHALL REMOVE AND DISPOSE OFFSITE ANY UNSUITABLE MATERIAL FOUND IN THE BOTTOM OF THE SWALES AND SHALL BACKFILL TO THE PLAN GRADES WITH CLEAN FREE DRAINING SAND.

16. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED AND SEALED AND DATED BY THE RESPONSIBLE PARTY. PLANS SHALL INCLUDE BUT NOT BE LIMITED TO SPOT ELEVATIONS ALONG CENTER LINE, EDGE OF PAVEMENT, TOP OF BANKS, SWALE BOTTOMS, FLOW LINES, ETC.

17. THE CONTRACTOR SHALL OBTAIN A COPY OF THE SURVEY LAYOUT AND CONTROL FROM THE OWNER'S SURVEYOR TO USE IN LAYING OUT THE IMPROVEMENTS. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

18. THE CONTRACTOR SHALL INSTALL A SILT FENCE AROUND CERTAIN PORTIONS OF THE SITE AS ADDITIONAL EROSION PROTECTION AT THE INITIAL STAGE OF CONSTRUCTION AS SHOWN ON THE PLAN & PROFILE SHEETS, PER FDOT INDEX NO. 102.

19. THE CONTRACTOR SHALL OBTAIN A COPY OF ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT PERMIT AND SHALL COMPLY WITH ALL PROVISIONS THEREIN.

20. THE CONTRACTOR SHALL INCLUDE IN HIS BID, THE COST OF SIGNING AND STRIPING. ALL SIGNING AND STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LAKE COUNTY STANDARDS. ALL ONSITE STRIPING SHALL BE THERMOPLASTIC CONFORMING TO FDOT STANDARDS AND SHALL INCLUDE 24" WIDE WHITE STOP BARS, 4" SINGLE YELLOW DASHED CENTER LINE, AND 4" DOUBLE SOLID YELLOW CENTER STRIPING 100' FROM STOP BAR. ALL STOP SIGNS SHALL BE 30" HI-INTENSITY STOP SIGNS.

21. ALL ELEVATIONS SHOWN ARE FINISHED PAVEMENT ELEVATIONS, UNLESS OTHERWISE DESIGNATED.

22. INFORMATION INCLUDED HEREIN WHICH HAS BEEN PREPARED BY PROFESSIONALS OTHER THAN CONKLIN, PORTER & HOLMES - ENGINEERS, INC., IS NOT COVERED UNDER THE REGISTERED ENGINEER'S SIGNATURE AND SEAL.

23. THE CONTRACTOR SHALL CLEAN THE SWALES OF ACCUMULATED SILT AT THE FINAL STAGE OF CONSTRUCTION.

24. PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT AND INSPECT THE SITE TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS WHICH MAY AFFECT HIS BID.

25. MATERIALS AND METHODS FOR ROADWAY AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH LAKE COUNTY STANDARDS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1991, OR LATEST REVISION THEREOF, AND SUPPLEMENTAL SPECIFICATION THERETO.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE VARIOUS GRADING, DRAINAGE AND PAVING WORK TO ACCOMPLISH THE PROPER FUNCTIONING OF THE IMPROVEMENTS.

27. TO PREVENT WATER FROM PONDING OR STANDING ON PAVEMENT, TOP OF ADJACENT SOD SHALL BE INSTALLED 3" BELOW THE EDGE OF PAVEMENT.

28. EXCAVATED MATERIAL DURING THE CONSTRUCTION OF THIS ROADWAY SECTION MAY BE USED AS FILL IF IT CONTAINS NO ORGANICS AND ROOT MATERIAL AND IS LESS THAN 5% FINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE IN HIS BID ANY ADDITIONAL FILL REQUIRED FOR CONSTRUCTION OF THE ROADWAY SECTION. BORROW FILL SHALL MEET THE SPECIFICATIONS REFERENCED ABOVE.

STRIPING AND MARKING NOTES

1. ALL TRAFFIC CONTROL SIGNS AND STRIPING MUST BE IN ACCORDANCE WITH LAKE COUNTY CODE, WHICH INCORPORATES THE MUTCD AND THE LAKE COUNTY TRAFFIC STANDARDS.

2. TWO (2) WEEK "CURE TIME" ON ASPHALT REQUIRED PRIOR TO FINAL MARKINGS INSTALLATION.

3. NO MARKINGS ARE TO BE INSTALLED PRIOR TO FIELD APPROVAL OF LAYOUT LINES BY LAKE COUNTY TRAFFIC ENGINEER.

4. CENTERLINE OF PROPOSED PAVEMENT TO BE STRIPED USING 4" BROKEN YELLOW CENTER LINE AND CONFORMING TO LAKE COUNTY CODE.

5. HASH MARK SPACING TO BE THIRTY (30') FEET FROM CENTER TO CENTER.

6. ARROW SPACING TO CONFORM WITH ROADWAY AND TRAFFIC DESIGN STANDARD INDEX NO. 17346 DRAWING 3 OF 8.

7. ALL SIGNS SHALL BE ERECTED WITH BRACKETS (SEE LAKE COUNTY DEVELOPMENT STANDARDS). ADDITIONALLY, THE BACK SIDE OF EACH SIGN IS REQUIRED TO HAVE THE DATE OF INSTALLATION STENCILED ON IT (MONTH/YEAR), IN ONE (1") INCH FIGURES USING A LONG LASTING BLACK FLAT PAINT.

8. DURING AUXILIARY LANE CONSTRUCTION AND INSTALLATION OF MARKINGS, THE WORK ZONE SHALL BE SIGNED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CHAPTER VI" AND FDOT STANDARD INDEX NO. 600 SERIES.

9. WHEN A LANE CLOSURE IS PERMITTED, WITH PRIOR CONSENT OF LAKE COUNTY TRAFFIC ENGINEERING, ON A ROAD WITH A CLASSIFICATION OF MINOR COLLECTOR OR ABOVE, HOURS OF OPERATION WILL BE LIMITED TO BETWEEN 9:00 A.M. AND 4:00 P.M.

10. ANY ROAD WORK TO BE DONE IN LAKE COUNTY RIGHT-OF-WAY WILL REQUIRE A CONSTRUCTION ZONE PLAN/PERMIT AND APPROVAL FROM TRAFFIC ENGINEERING AT LEAST FIVE (5) DAYS PRIOR TO COMMENCEMENT.

11. IT IS THE RESPONSIBILITY OF THE PAVING CONTRACTOR TO INSURE THAT TEMPORARY STRIPING BE INSTALLED TO LAKE COUNTY SPECIFICATIONS, PRIOR TO SUNSET ON THE DAY OF EXISTING MARKINGS REMOVAL. NO CONFLICTING MARKINGS SHALL BE PERMITTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE AND SUPPLY A TRAFFIC CONTROL PLAN TO THE COUNTY AND OBTAIN APPROVAL.

DEMOLITION

1. CONTINUOUS TRAFFIC FLOW SHALL NOT BE INTERRUPTED. NO DEMOLITION MAY BE PERFORMED UNTIL WRITTEN PERMISSION TO DEMOLISH IS GRANTED BY LAKE COUNTY.

2. ALL EXISTING PAVEMENT, AND OTHER EXISTING FEATURES INDICATED ON THE DRAWINGS TO BE REMOVED SHALL BE DEMOLISHED AND REMOVED FROM THE JOB SITE BY THE CONTRACTOR. ALL RUBBLE, DEBRIS, AND RUBBISH IS TO BE DISPOSED OF AT A LEGALLY PERMITTED WASTE SITE. CONTRACTOR IS TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTES AND DEBRIS.

3. ALL EXISTING UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. THE CONTRACTOR IS TO VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. ANY DISTURBED UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION TO THE CONTRACT.

4. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT PROPERTY. STREETS AND SIDEWALKS SHALL NOT BE UNNECESSARILY BLOCKED BY DEBRIS AND EQUIPMENT DURING CONSTRUCTION.

5. EXISTING FACILITIES TO REMAIN SHALL BE PROTECTED FROM DAMAGE.

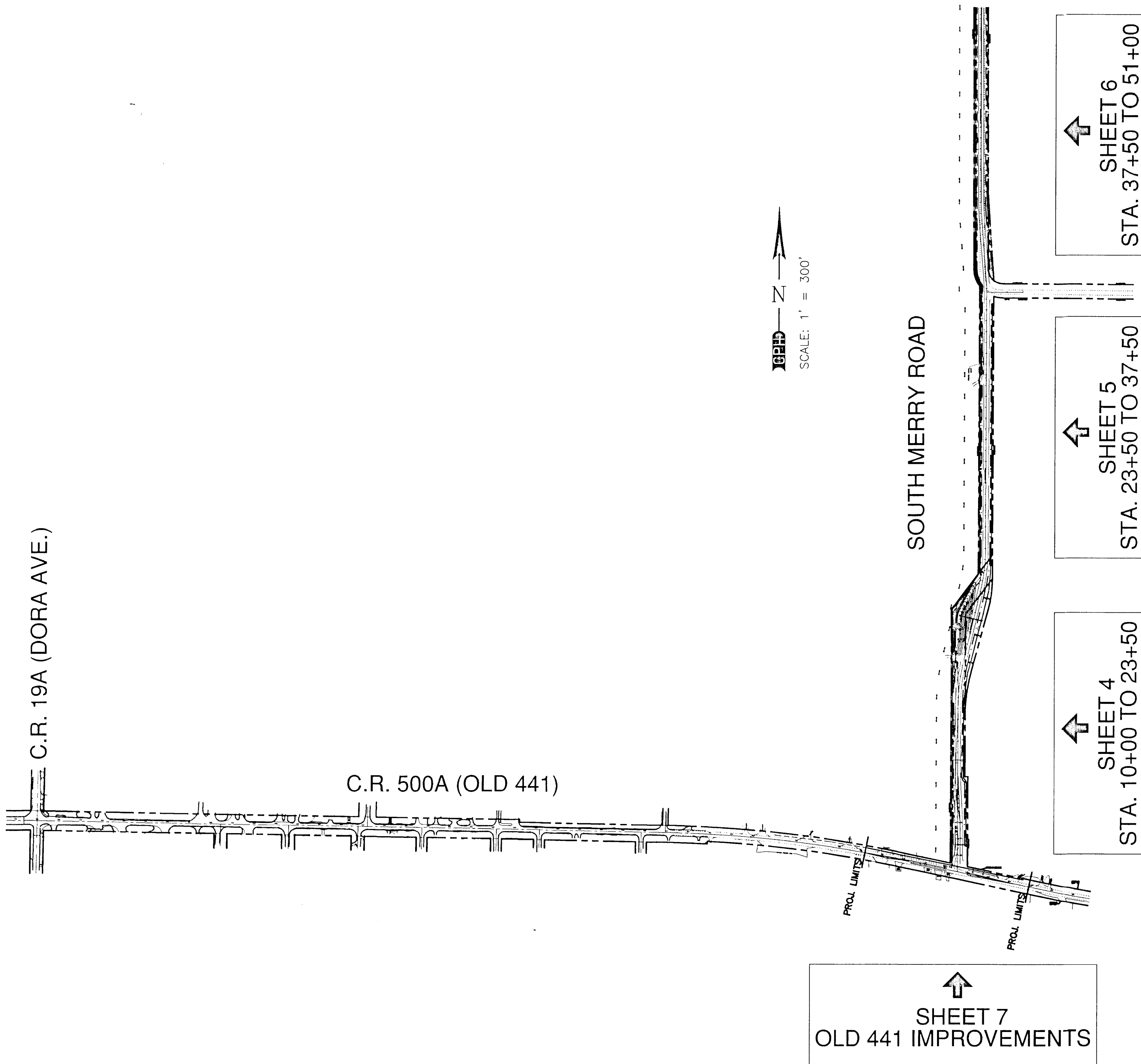
6. WET DOWN OF DEMOLITION AREAS DURING CONSTRUCTION AND LOADING OPERATIONS MAY BE REQUIRED TO PREVENT THE SPREAD OF DUST.

SITE SPECIFIC NOTES

1. ALL PAVEMENT AREAS DESIGNATED FOR PAVEMENT REMOVAL SHALL BE SAW CUT, EXCAVATED TO THE DEPTH OF THE ROAD BASE BACKFILLED WITH CLEAN FREE DRAINING SAND AND SEEDED AND MULCHED.

2. PRIOR TO CONSTRUCTING CURB AND GUTTER OR NEW PAVEMENT SHOULDER, THE EDGE OF PAVEMENT SHALL BE SAW CUT TO CREATE A SMOOTH BUTT JOINT.

3. THE DESIGN OF OLD 441 INCLUDES NEW PAVED SHOULDER ALONG EVERY DRIVEWAY. THE CONTRACTOR SHALL INSPECT EACH DRIVEWAY WITH THE COUNTY INSPECTOR TO DETERMINE IF THE PAVED SHOULDERS CAN BE DELETED IN FRONT OF SOME DRIVEWAYS AND CREDIT RETURNED TO THE COUNTY.



Conklin Porter and Holmes  
ENGINEERS, INC.  
MAIN STREET CENTER  
101 N. WOODLAND BLVD., SUITE 100  
DELAND, FLORIDA 32720  
TEL 904-736-4142 FAX 904-736-8412

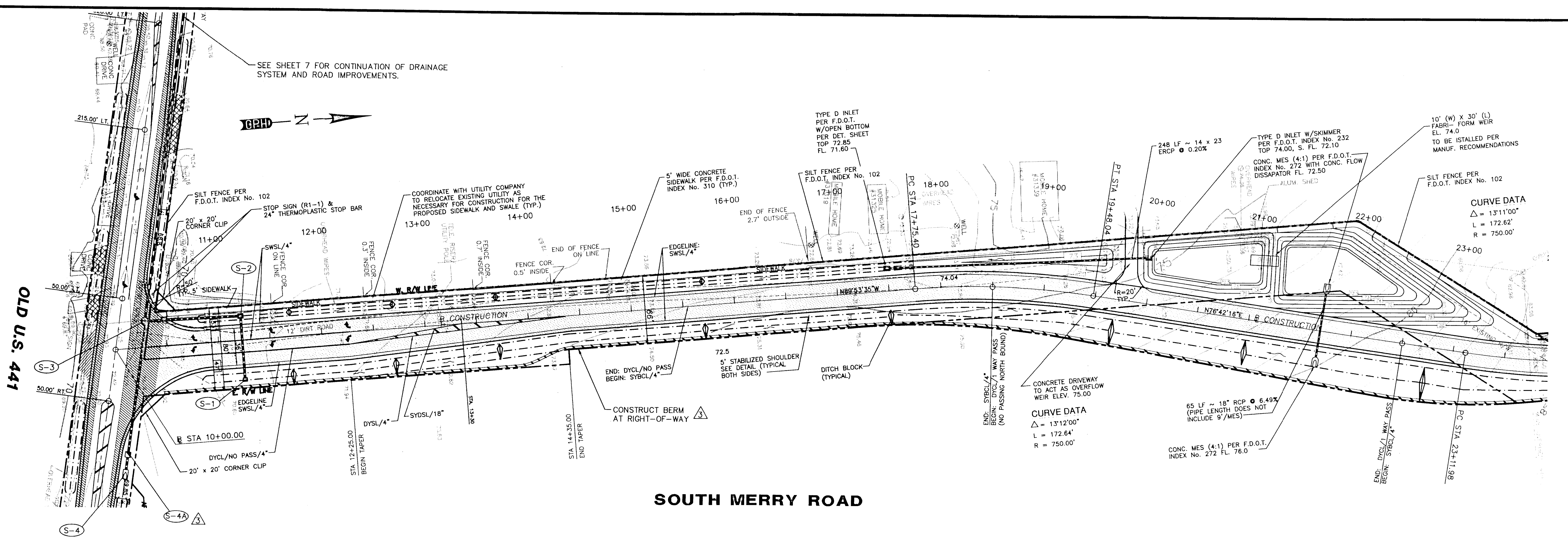
DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE					
DESIGNED BY:	JCB	5/99					
DRAWN BY:	DDH/GSG	5/99					
CHECKED BY:	JBM	5/99					
APPROVED BY:	JAMES N. HUNTER	5/99	9/17/99	PER LAKE COUNTY COMMENTS	JNH		
REGISTRATION NO.	21798		NO. DATE	REVISION	APPROVED	FILE: SOUTHGN.DWG	

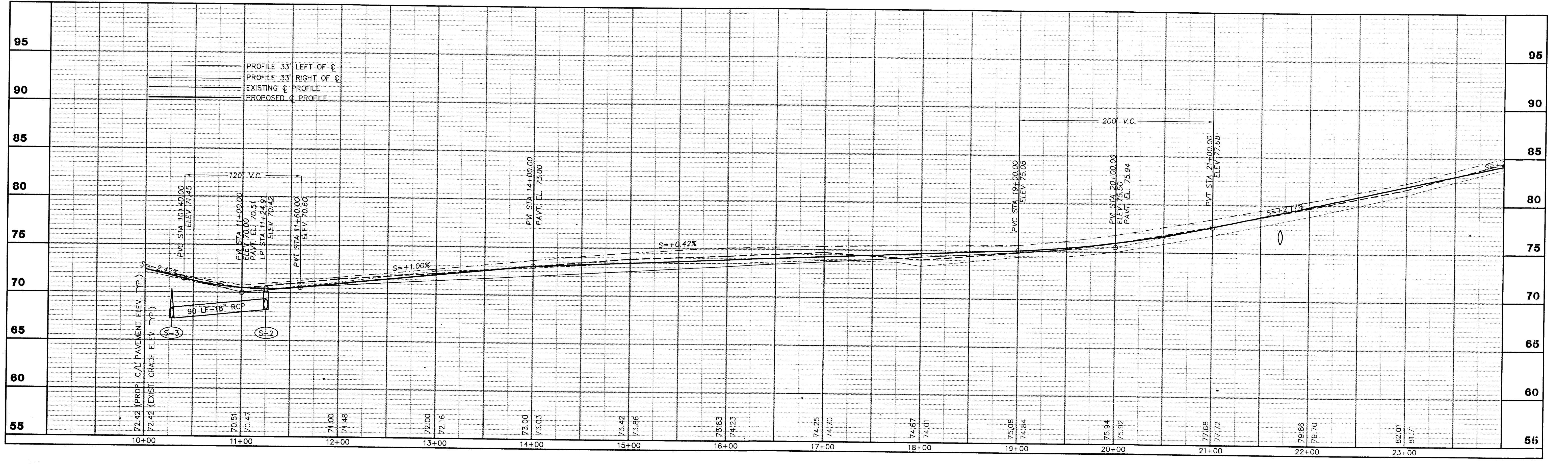
SCALE: AS NOTED  
DATE: MAY, 1999  
JOB NO. L3605

SHEET NO.  
**3** OF **11**  
**GENERAL NOTES & KEY MAP**  
**SOUTH MERRY ROAD**

LAKE CO., FLORIDA



**SOUTH MERRY ROAD**



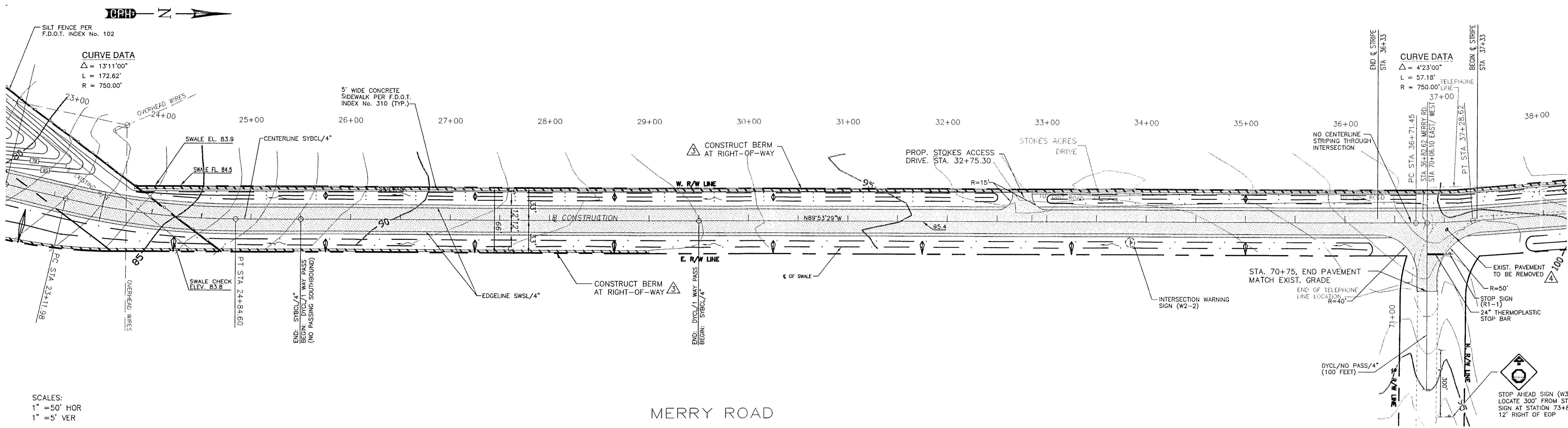
**Conklin Porter and Holmes**  
**ENGINEERS, INC.**  
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 TEL 904-736-4142 FAX 904-736-8412

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ACTIVITY	NAME	DATE
DESIGNED BY:	JNH	9/99
DRAWN BY:	DDH	9/99
CHECKED BY:	JBM	9/99
APPROVED BY:	JAMES N. HUNTER	9/99
REGISTRATION NO.	21798	

SCALE: 1"=50' HORIZ. 1"=5' VERT.	SHEET NO.
DATE: SEPT., 1999	4 OF 11
JOB NO. L3605	
FILE: RCP01001.DWG	

**PLAN AND PROFILE**  
**SOUTH MERRY ROAD**  
 LAKE CO., FLORIDA

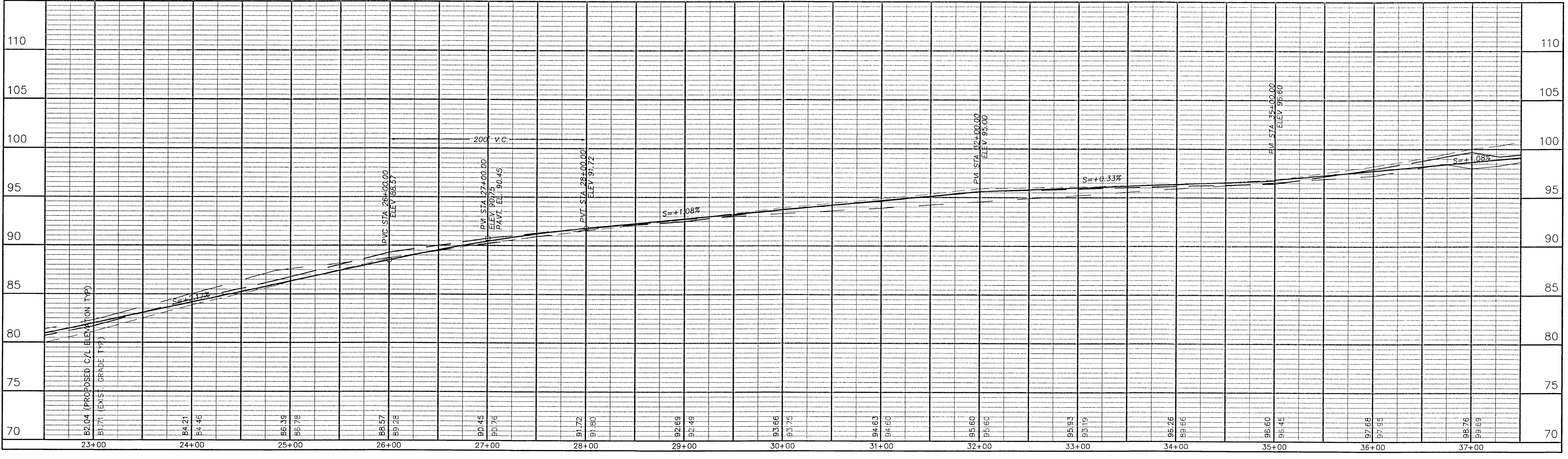


**CURVE DATA**  
 $\Delta = 13^{\circ}11'00''$   
 $L = 172.62'$   
 $R = 750.00'$

**CURVE DATA**  
 $\Delta = 4^{\circ}23'00''$   
 $L = 57.18'$   
 $R = 750.00'$

SCALES:  
 1" = 50' HOR  
 1" = 5' VER

MERRY ROAD



**Donklyn Porter and Holmes ENGINEERS, INC.**  
 MAINSTREET CENTER  
 101 N. WOODLAND BLVD., SUITE 100  
 DELAND, FLORIDA 32720  
 TEL 904-736-4142 FAX 904-736-8412

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ACTIVITY	NAME	DATE
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CHECKED BY:	JBM	5/99
APPROVED BY:	JAMES N. HUNTER	5/99
REGISTRATION NO.	21798	

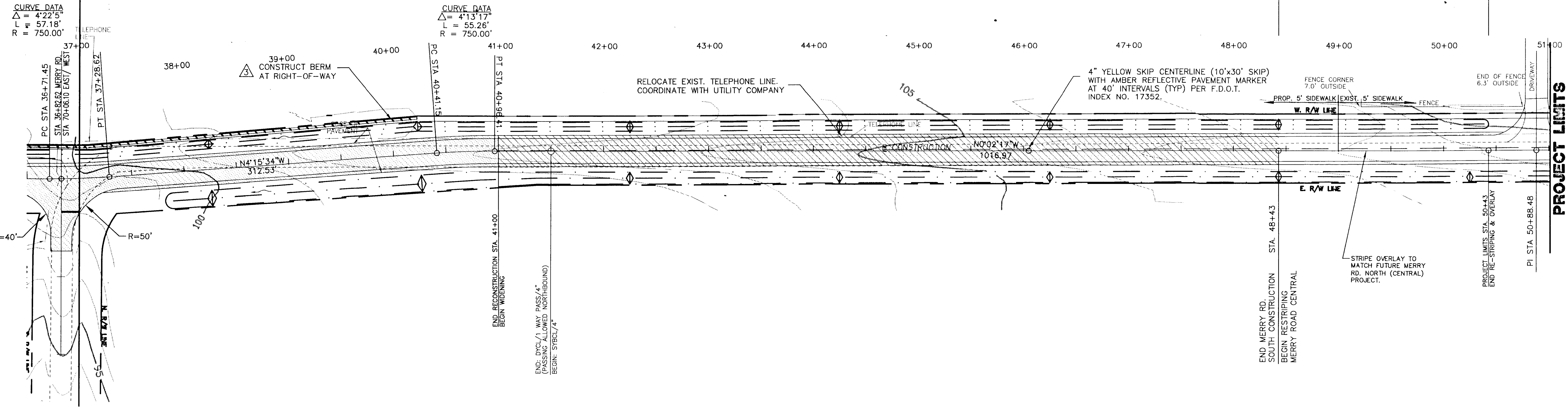
NO.	DATE	REVISION
4	3/13/00	PER LAKE CO. COMMENTS
3	12/28/99	REV. PER SJRWMD 12/20 RAI

SCALE: 1" = 50' HORZ.  
 1" = 5' VERT.

SHEET NO. 5 of 11

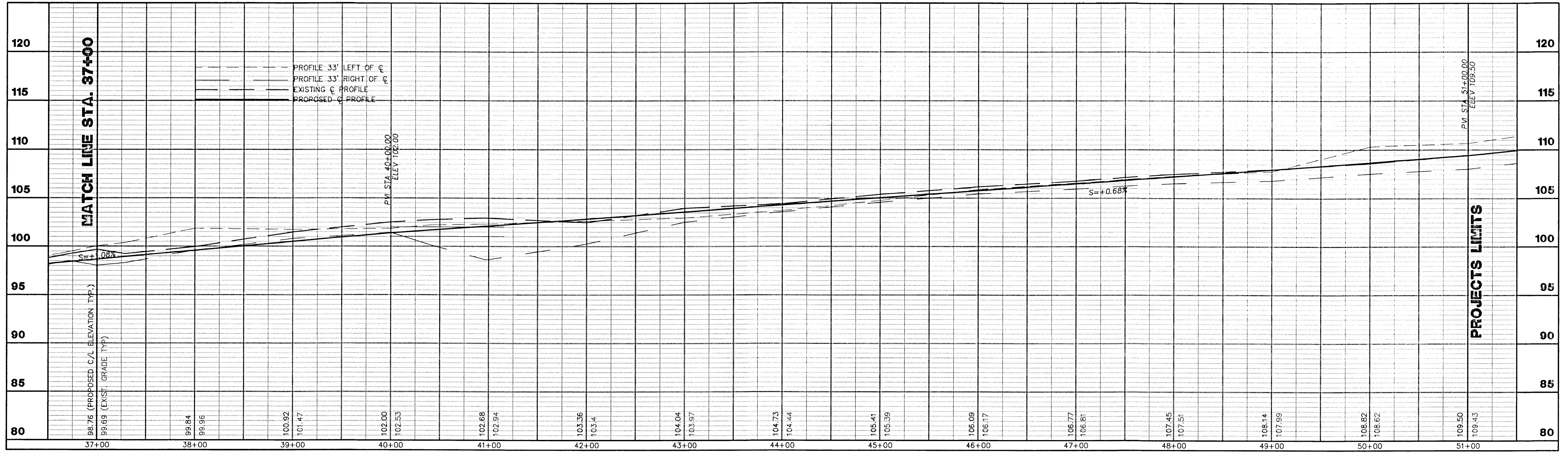
PLAN AND PROFILE  
 SOUTH MERRY ROAD  
 LAKE CO., FLORIDA

**MATCH LINE STA. 37+00**



SCALES:  
 1" = 50' HOR  
 1" = 5' VER

**MERRY ROAD**



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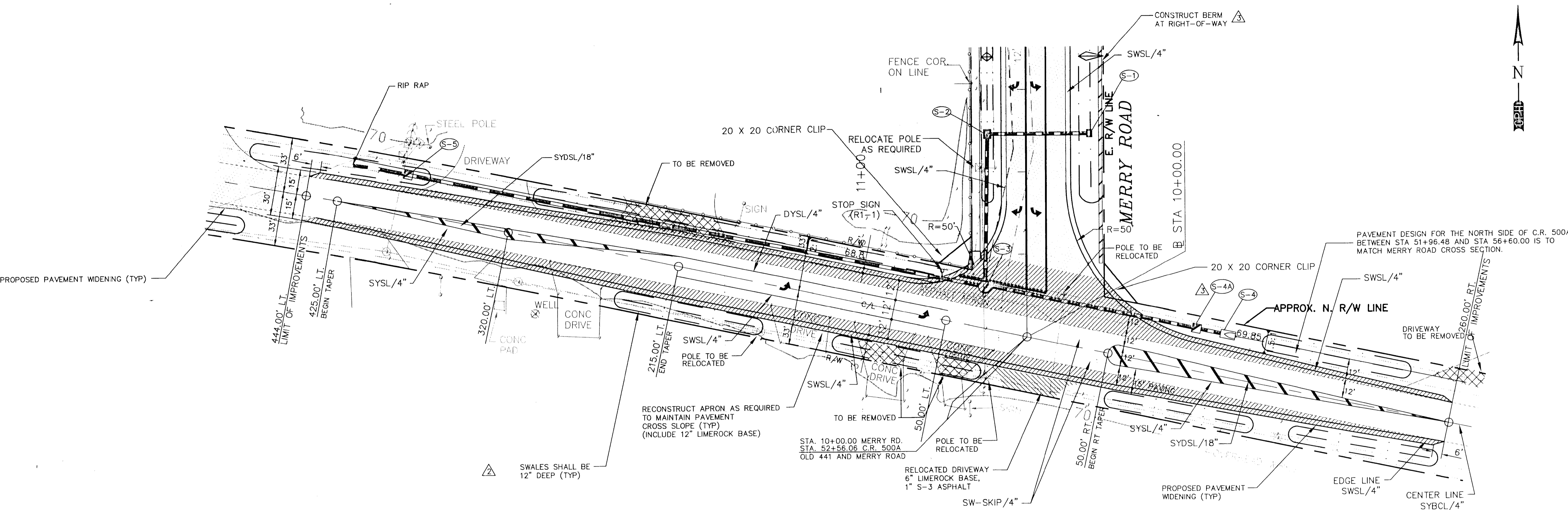
ACTIVITY	NAME	DATE
DESIGNED BY:	JNH	5/99
DRAWN BY:	DDH/GSG	5/99
CHECKED BY:	JBM	5/99
APPROVED BY:	JAMES N. HUNTER	5/99
REGISTRATION NO.	21798	

SCALE: 1"=50' HORZ. 1"=5' VERT.	SHEET NO.
DATE: MAY, 1999	<b>6 OF 11</b>
JOB NO. L3605.C	
FILE: RCP03001.DWG	

**PLAN AND PROFILE**

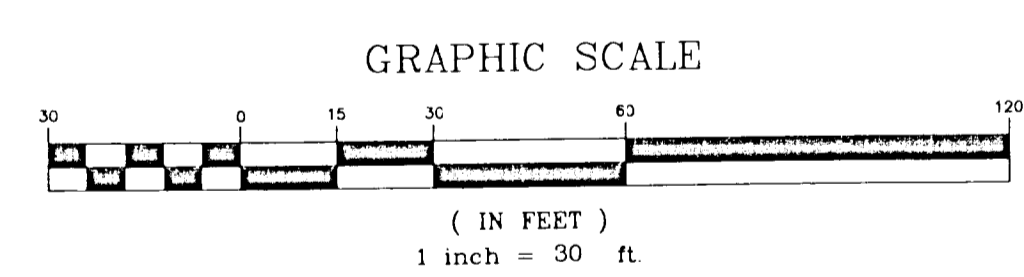
**SOUTH MERRY ROAD**

LAKE CO., FLORIDA



**C.R. 500A (OLD 441)**

**NOTE:**  
 CONTRACTOR TO VERIFY EXISTENCE AND LOCATION OF ANY UTILITIES.  
 CONTRACTOR TO CONTACT UTILITIES TO LOCATE ANY UTILITIES FOR THIS AREA PRIOR TO COMMENCING ANY EXCAVATION.



STRUCTURE TABLE						
NO.	TYPE	GRATE EL.	N	S	E	W
S-1	C-INLET/OPEN BOTTOM	69.00				66.65
S-2	C-INLET/OPEN BOTTOM	69.00		66.30	66.40	
S-3	MANHOLE	71.25	65.90		65.80	65.90
S-4	M.E.S.	---				69.85
S-4A	C-INLET/OPEN BOTTOM	71.75			69.65	69.55
S-5	C-INLET/OPEN BOTTOM	69.50			64.25	64.40

PIPE TABLE				
NO.	NO.	LENGTH	SIZE / MATERIAL	SLOPE
S-1	S-2	60	18" RCP	0.42%
S-2	S-3	90	18" RCP	0.44%
S-4	S-4A	20	18" RCP	0.94%
S-4A	S-3	128	18" RCP	1%
S-3	S-5	350	18" RCP	0.4%
S-5	END	30	18" RCP	0.45%

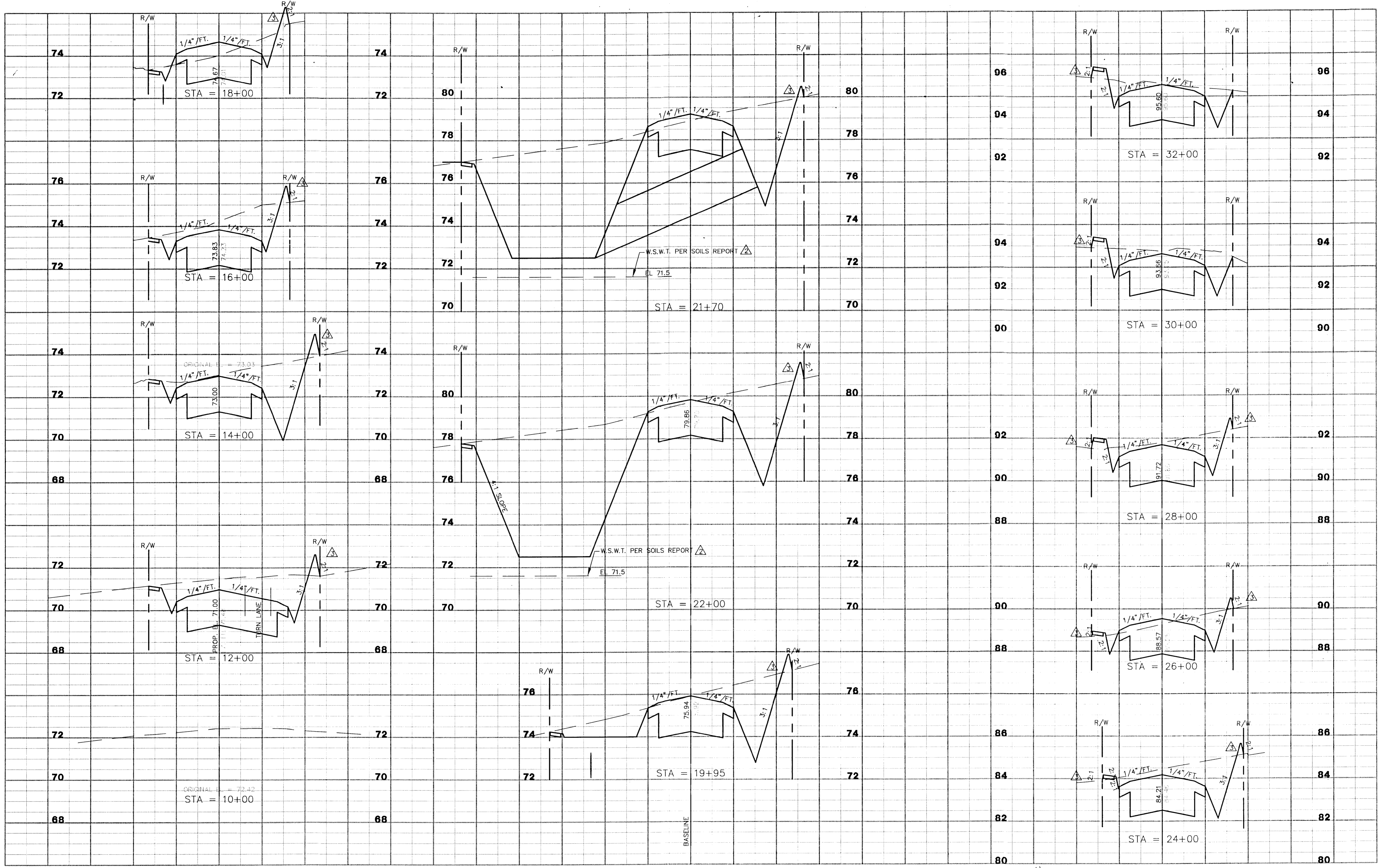
**Conklin Porter and Holmes ENGINEERS, INC.**  
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DRAWN BY:	CAG/GSG	9/99	3	12/28/99	REV. PER SJRWMD 12/20 RAI	JNH	
CHECKED BY:	JCB	9/99	2	9/22/99	REV. PER SJRWMD	JNH	
APPROVED BY:	JAMES N. HUNTER	9/99	1	9/17/99	PER LAKE COUNTY COMMENTS	JNH	
REGISTRATION NO.	21798						

SCALE: 1"=30'  
 SHEET NO. **7 OF 11**

**PLAN SHEET**  
**SOUTH MERRY ROAD**



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 DELAND, FLORIDA 32720  
 TEL 904-736-4142 FAX 904-736-8412

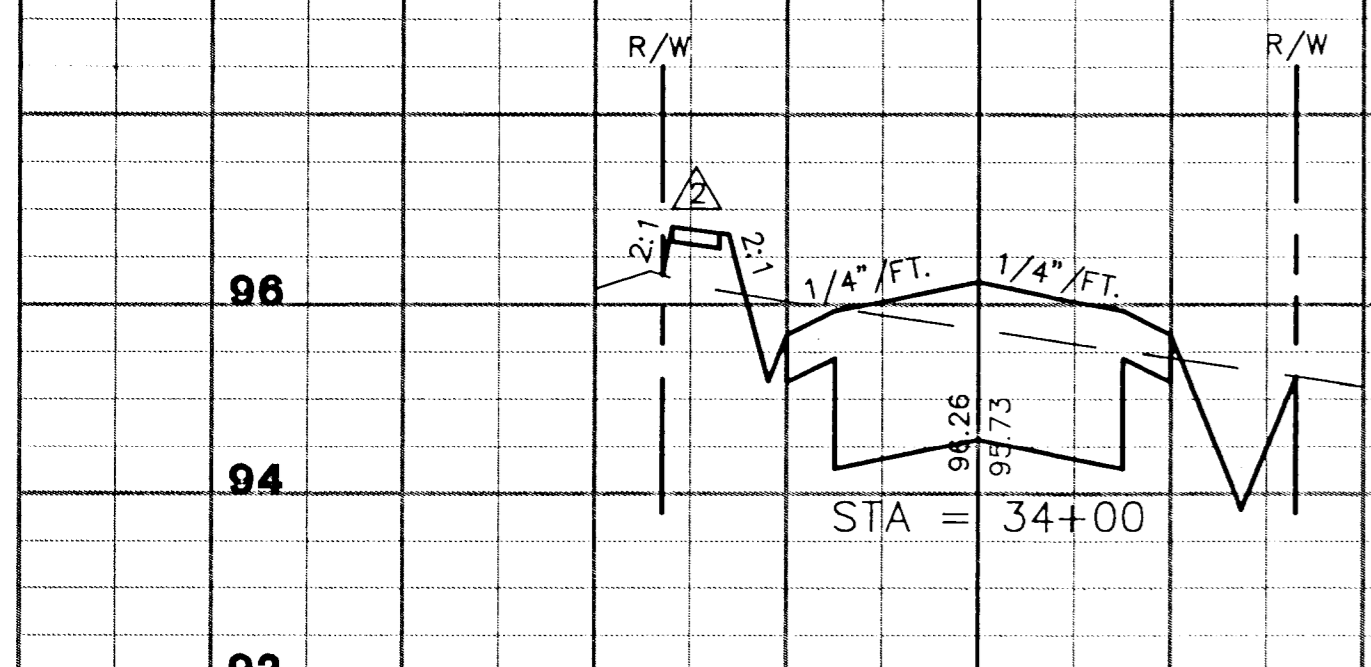
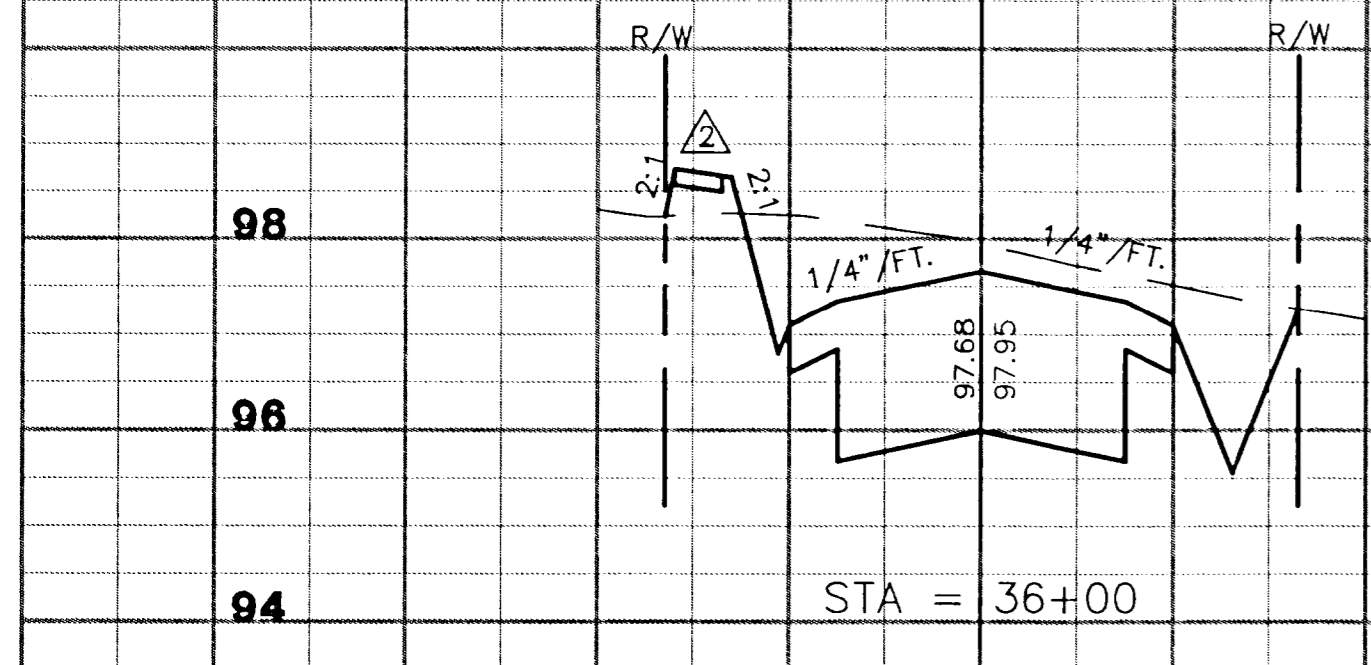
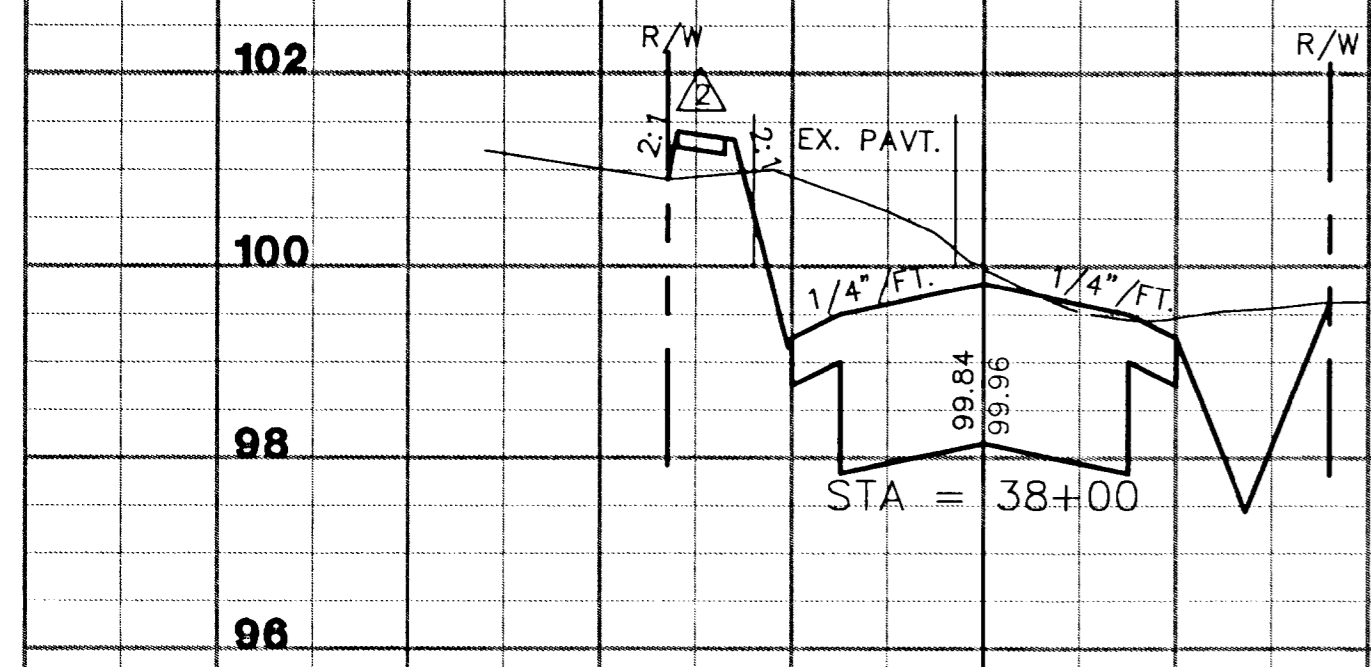
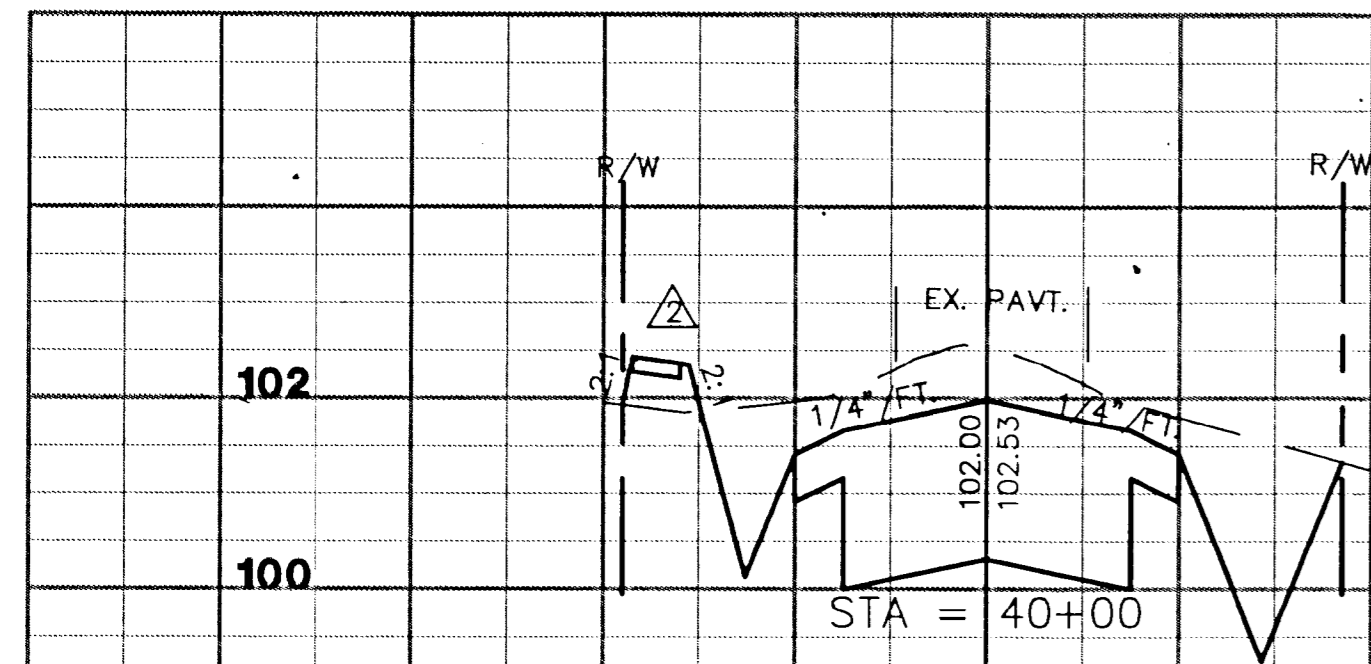
DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE
DESIGNED BY:	JNH	5/99
DRAWN BY:	DDH/GSG	5/99
CHECKED BY:	JBM	5/99
APPROVED BY:	JAMES N. HUNTER	5/99
REGISTRATION NO.	21798	

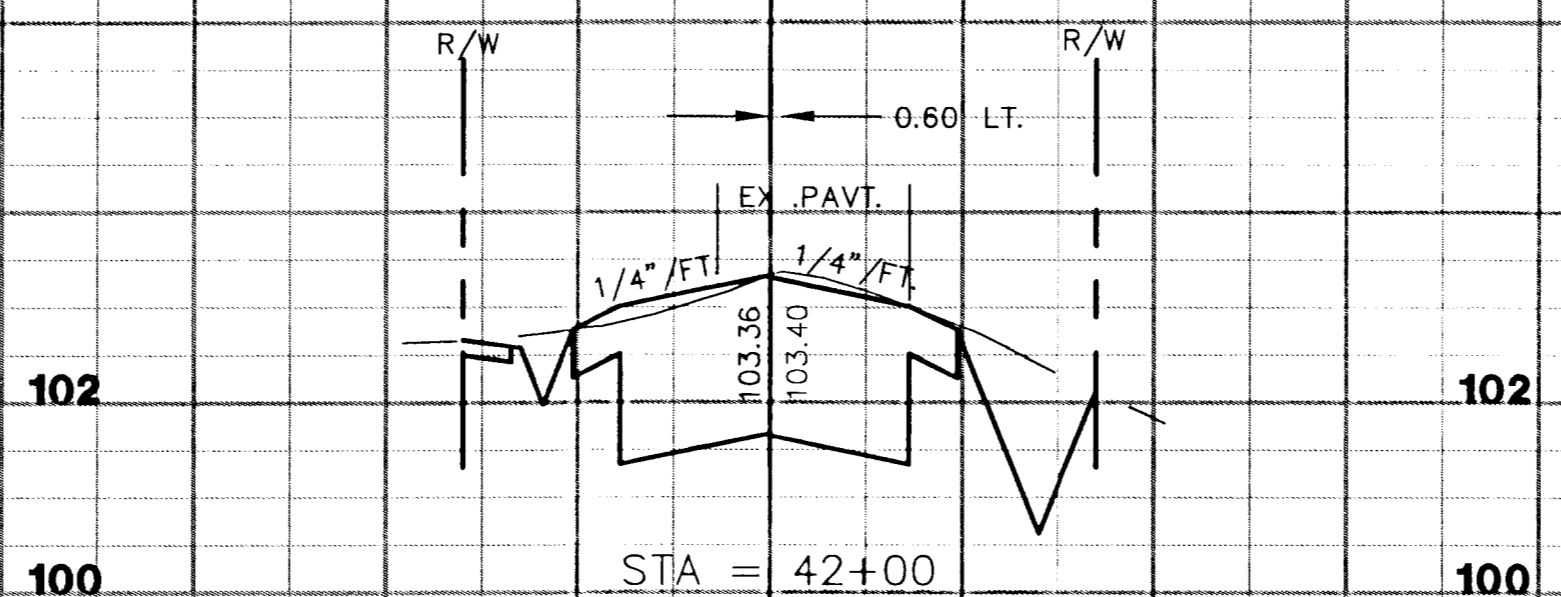
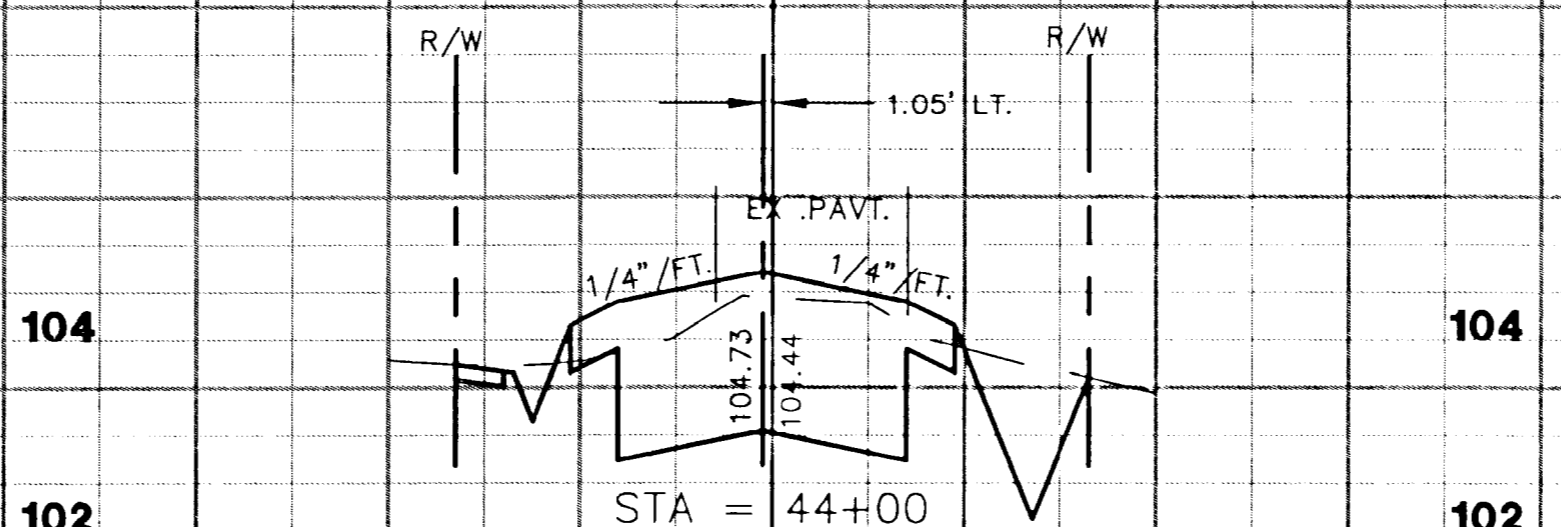
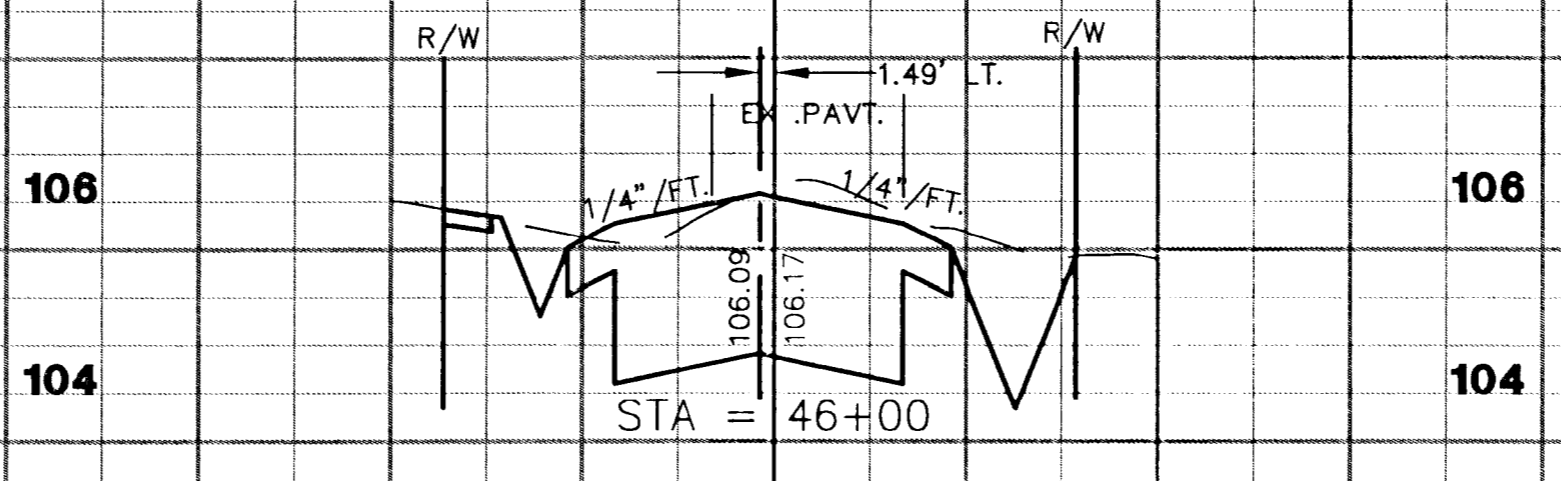
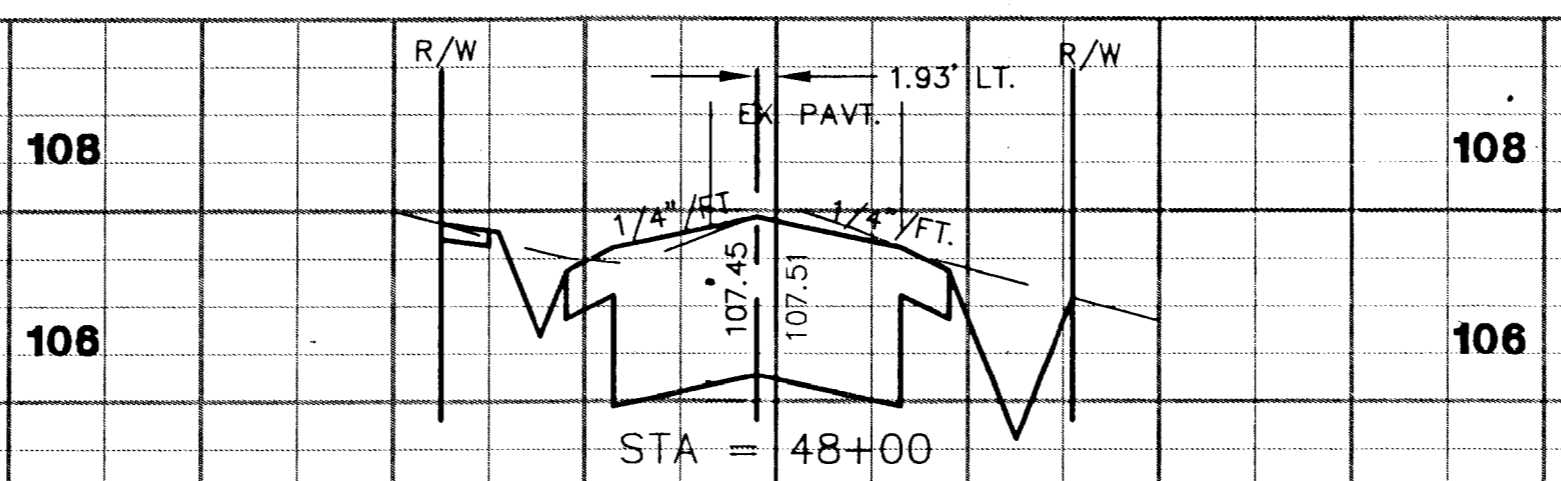
SCALE: 1"=20' HORZ. 1"=2' VERT.	SHEET NO.
DATE: MAY, 1999	<b>8 OF 11</b>
JOB NO. L3605	
FILE: RC001001.DWG	

**CROSS SECTIONS**  
**STA 10+00 - 34+00**  
**SOUTH MERRY ROAD**  
 FLORIDA





BASELINE



BASELINE

**Conklin Porter and Holmes**  
**ENGINEERS, INC.**  
 MAINSTREET CENTER  
 101 N. WOODLAND BLVD., SUITE 100  
 DELAND, FLORIDA 32720  
 TEL 904-736-4142 FAX 904-736-8412

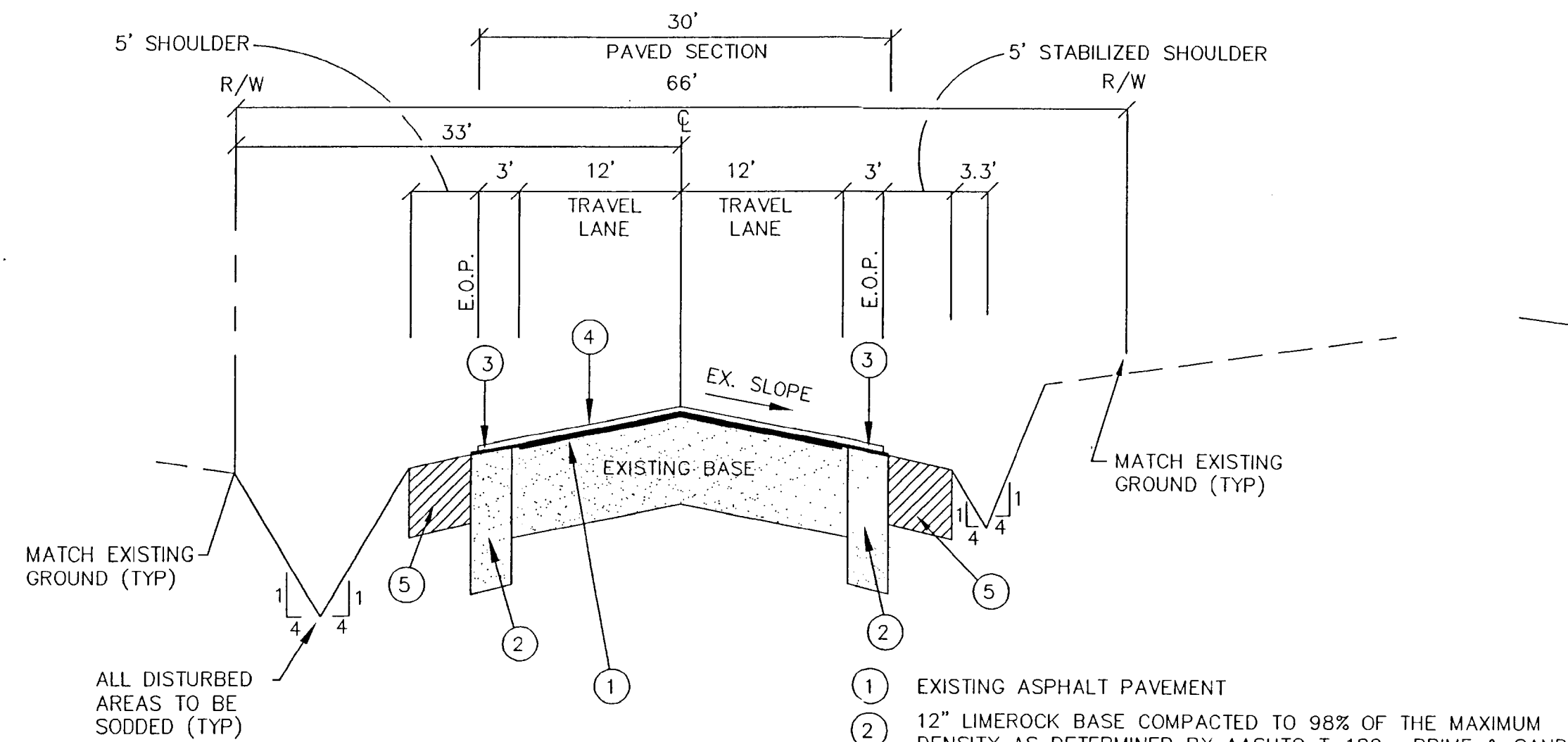
DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE			
DESIGNED BY:	JNH	5/99			
DRAWN BY:	DDH/GSG	5/99			
CHECKED BY:	JBM	5/99	12/23/99	PER SJRWMD COMMENTS	JNH
APPROVED BY:	JAMES N. HUNTER	5/99	9/17/99	PER LAKE COUNTY COMMENTS	JNH
REGISTRATION NO.	21798		NO. DATE	REVISION	APPROVED

SCALE: 1"=20' HORIZ.  
 1"=2' VERT.  
 SHEET NO.  
**9 OF 11**

**CROSS SECTIONS**  
**STA 36+00 - 50+00.00**  
**SOUTH MERRY ROAD**  
 LAKE CO., FLORIDA

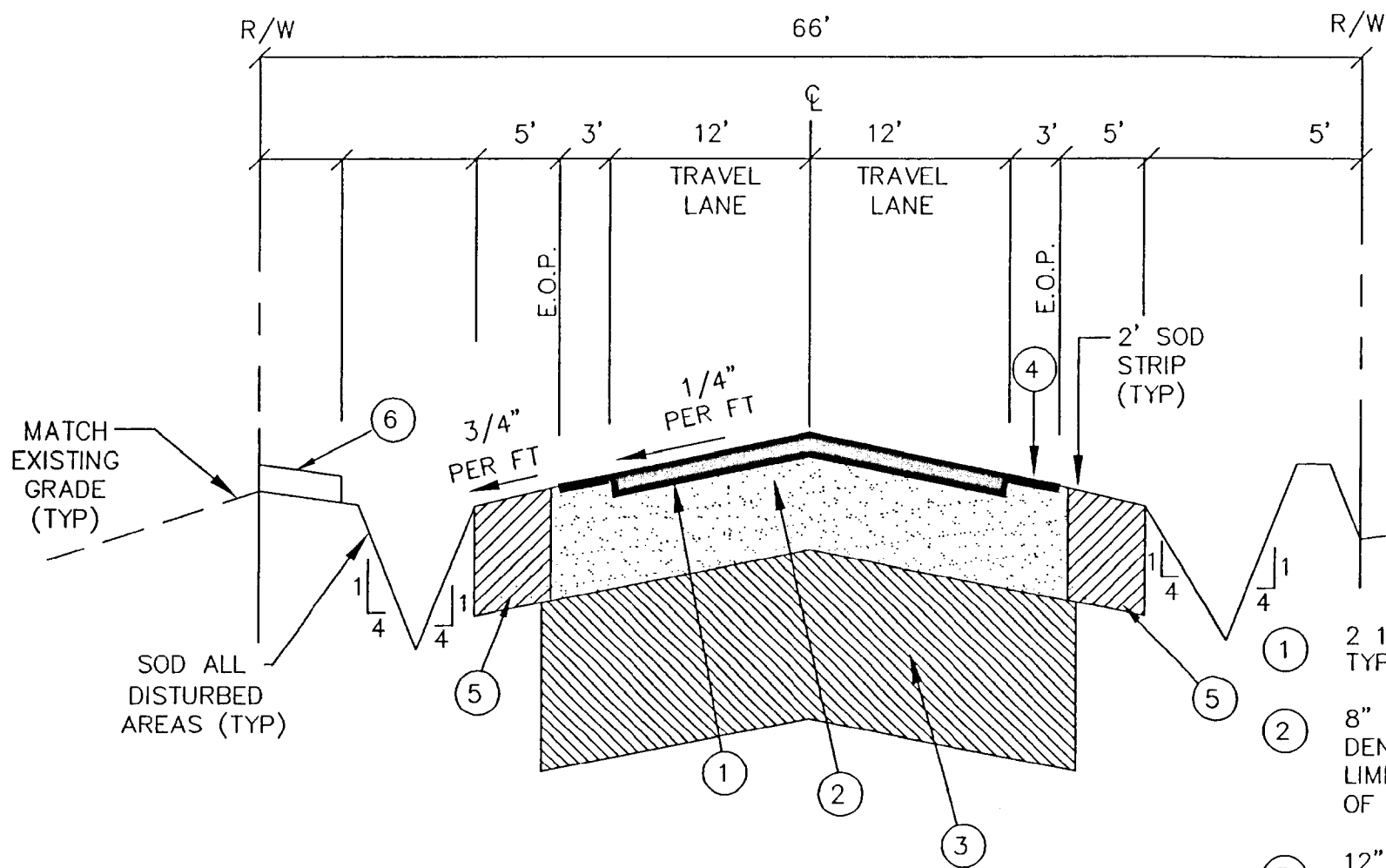
FILE: RC002001.DWG



**NOTE:**  
 ALL SHOULDERS SHALL BE STABILIZED TO 50 P.S.I. FBV AND HAVE A MINIMUM DEPTH OF 6".  
 ALL AREAS WITHIN THE RIGHT-OF-WAY THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE SODDED WITH SAND GROWN SOD.

- 1 EXISTING ASPHALT PAVEMENT
- 2 12" LIMEROCK BASE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. PRIME & SAND LIMEROCK TO EXTEND 6" BEYOND PAVED SHOULDER. LIMEROCK TO BE FINISHED 2" BELOW EXISTING ASPHALT.
- 3 2" ASPHALT TYPE S-1 OVER LIMEROCK WIDENING 1" ASPHALT TYPE S-3 LEVELING FULL WIDTH
- 4 1" FC-3 OVERLAY FULL WIDTH (EOP TO EOP)
- 5 STABILIZED SHOULDER COMPACTED TO 98% DENSITY AND A FBV OF 50 PSI AND MINIMUM DEPTH OF 6"

**C.R. 500-A WIDENING**  
 TYPICAL SECTION  
 N.T.S.



**NOTE:**  
 ALL SHOULDERS SHALL BE STABILIZED TO 50 P.S.I. FBV AND HAVE A MINIMUM DEPTH OF 6".

ALL CLAY TO BE REMOVED FROM SWALE AREA.

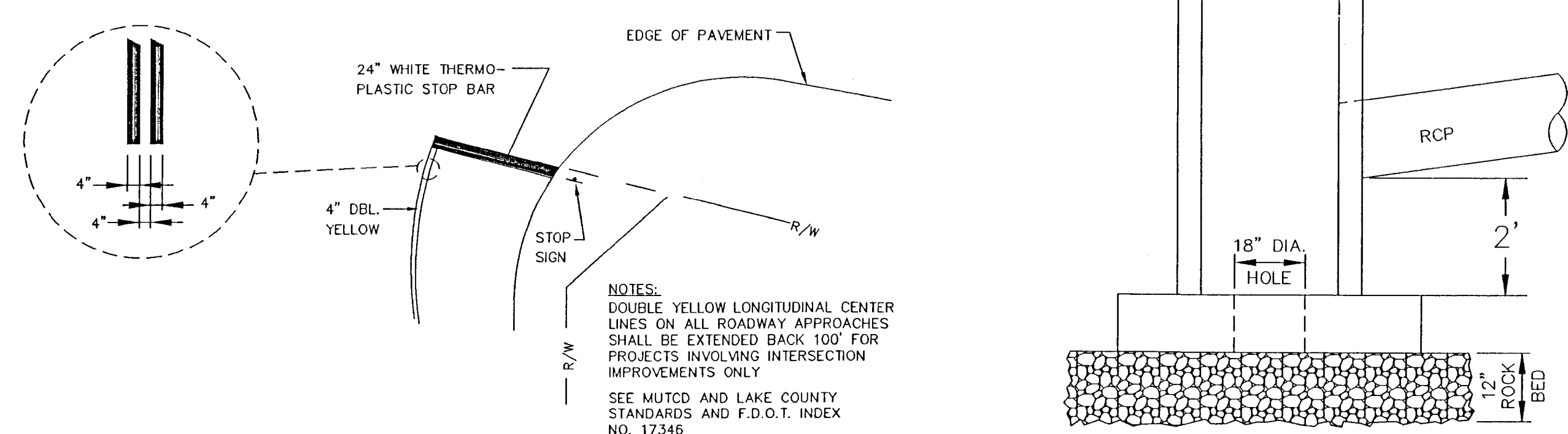
TWO STRIPS OF SOD SHALL BE PLACE ALONG EDGE OF PAVEMENT.

ALL GRASSED AREAS WITHIN THE RIGHT-OF-WAY THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE SODDED TO COUNTY'S SATISFACTION. ENTIRE R/W SHALL BE SODDED FOR ANY ROADWAYS WITH A CENTERLINE GRADE OF 3% OR GREATER.

- 1 2 1/2" ASPHALT TYPE S-1 STRUCTURE COURSE WITH 1" TYPE FC-3 FRICTION COURSE.
- 2 8" LIMEROCK BASE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. LIMEROCK TO EXTEND 6" BEYOND PAVED SHOULDER OF CURB & GUTTER
- 3 12" SUBBASE, STABILIZED AND COMPACTED TO 98% DENSITY AS DETERMINED BY AASHTO T-180 AND 50 PSI FBV. SUBBASE TO EXTEND 12" BEYOND LIMEROCK BASE.
- 4 1" ASPHALT TYPE S-III SHOULDER 3 FOOT WIDE PAVED SHOULDER
- 5 5' FT. WIDE UNPAVED SHOULDER COMPACTED TO A FBV OF 50 PSI AND MINIMUM DEPTH OF 6"
- 6 5' WIDE, 4" THICK 3000 PSI CONCRETE OR 6" THICK 3000 PSI CONCRETE AT DRIVEWAY CROSSINGS

**MERRY ROAD NEW AND RECONSTRUCTED ROAD CROSS SECTION**

TYPICAL SECTION  
 STA. 10+00 TO STA. 41+00  
 N.T.S.

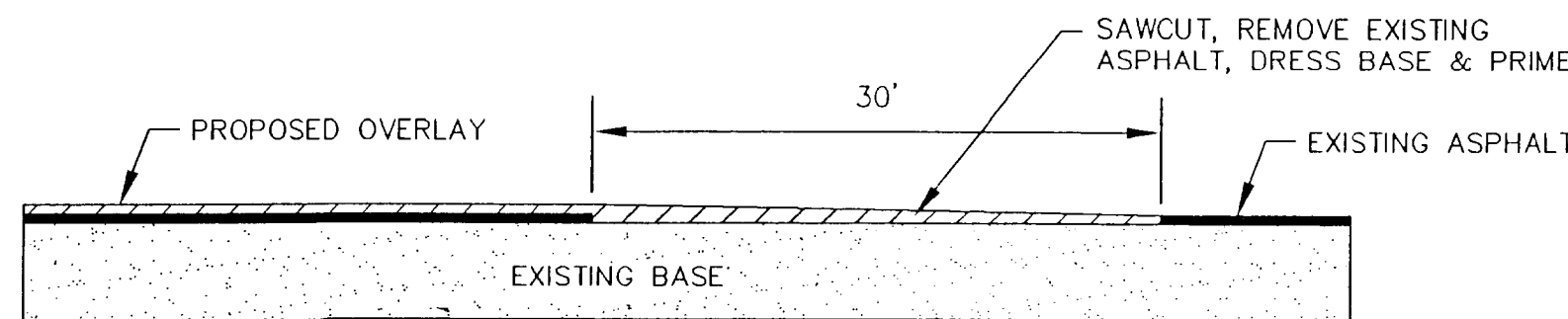


**STOP BAR, DOUBLE CENTER LINE DETAIL**  
 PER FDOT INDEX NO 17346

**OPEN BOTTOM INLET DETAIL**  
 N.T.S.

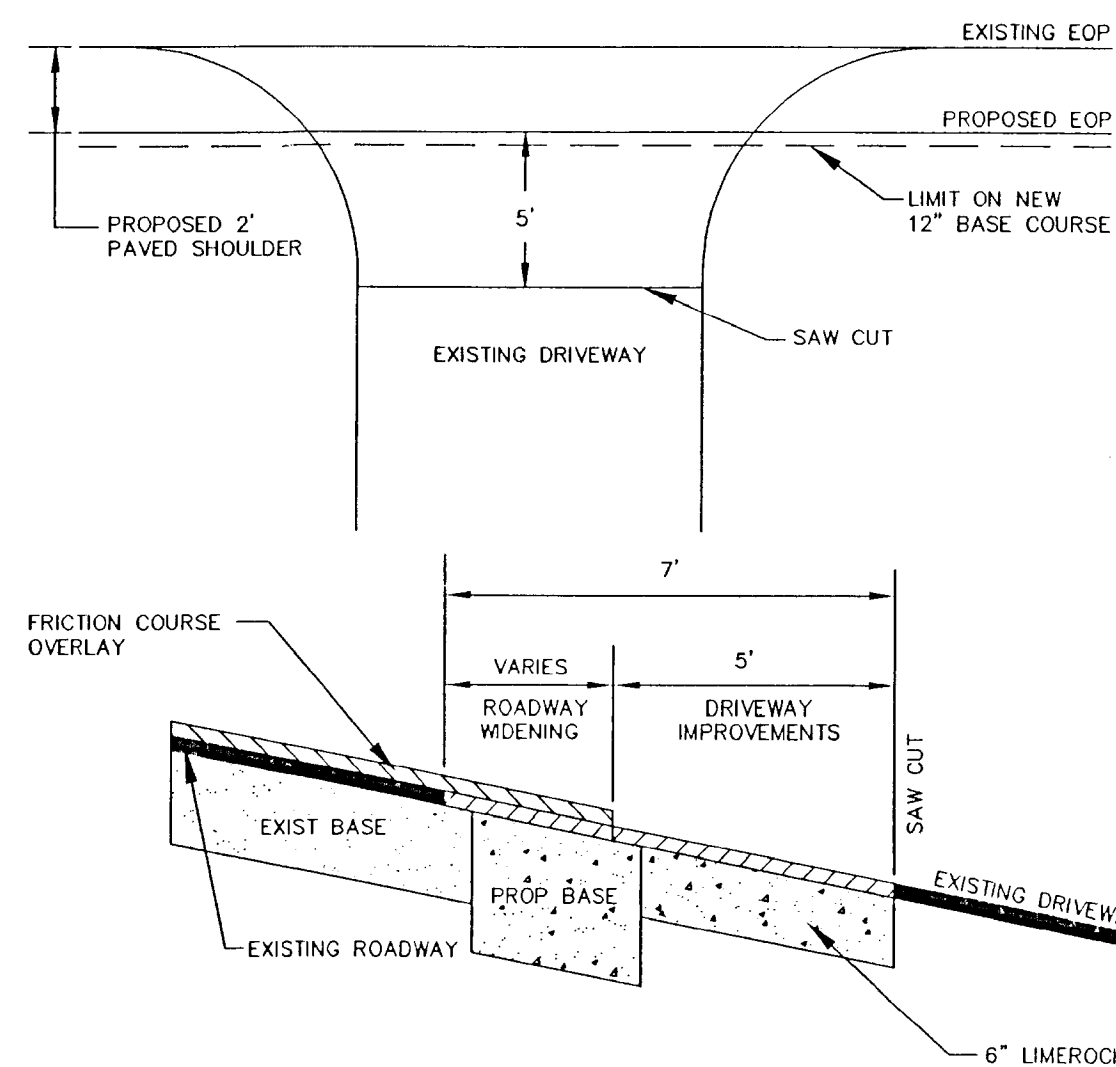
**MERRY ROAD WIDENING CROSS SECTION**

TYPICAL SECTION: STA. 41+00 TO STA. 48+43  
 N.T.S.

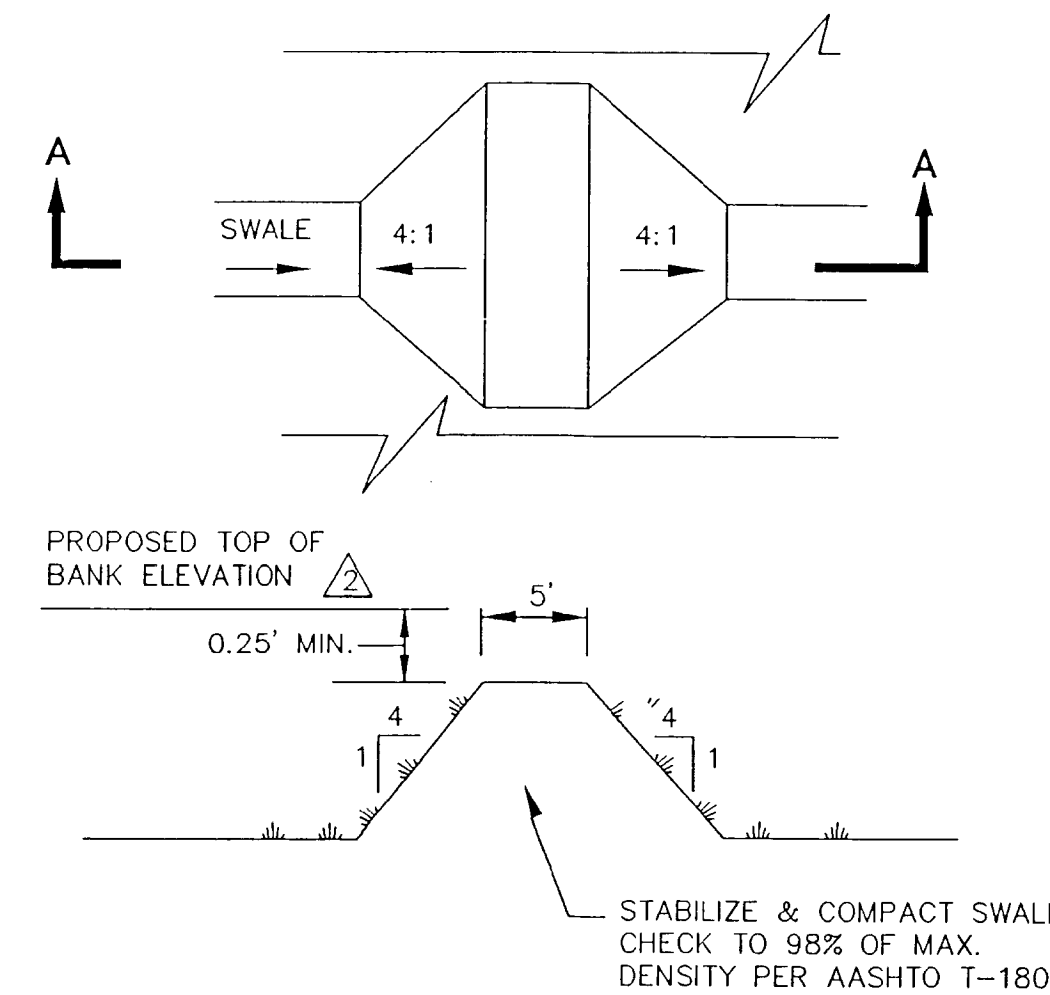


**NOTE:**  
 THIS PERTAINS TO PUBLIC STREET PAVING, NOT DRIVEWAYS. DRIVEWAYS TO BE FEATHERED.

**LIMITS OF OVERLAY**  
 N.T.S.

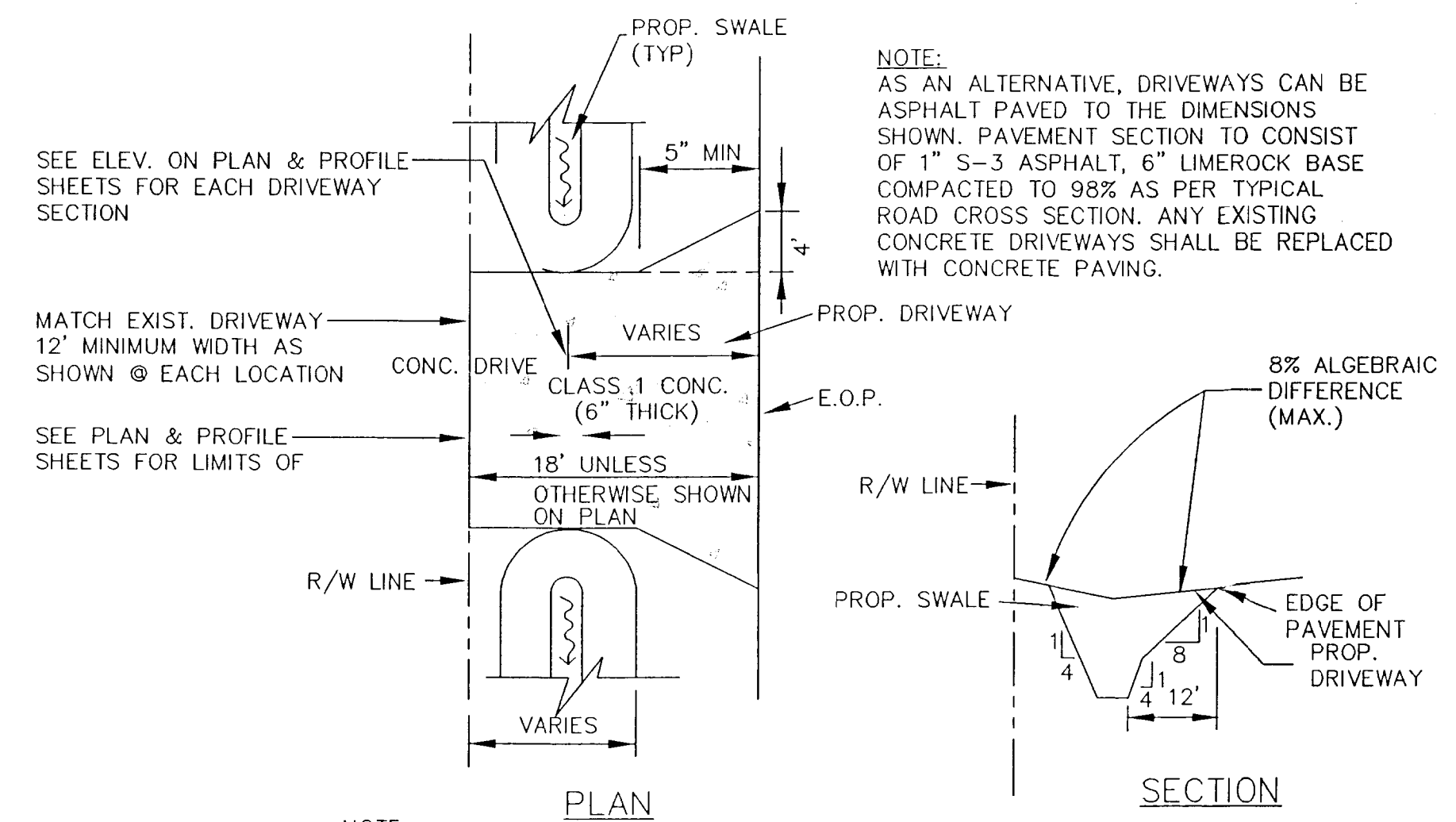


**DRIVEWAY OVERLAY DETAIL**  
 N.T.S.



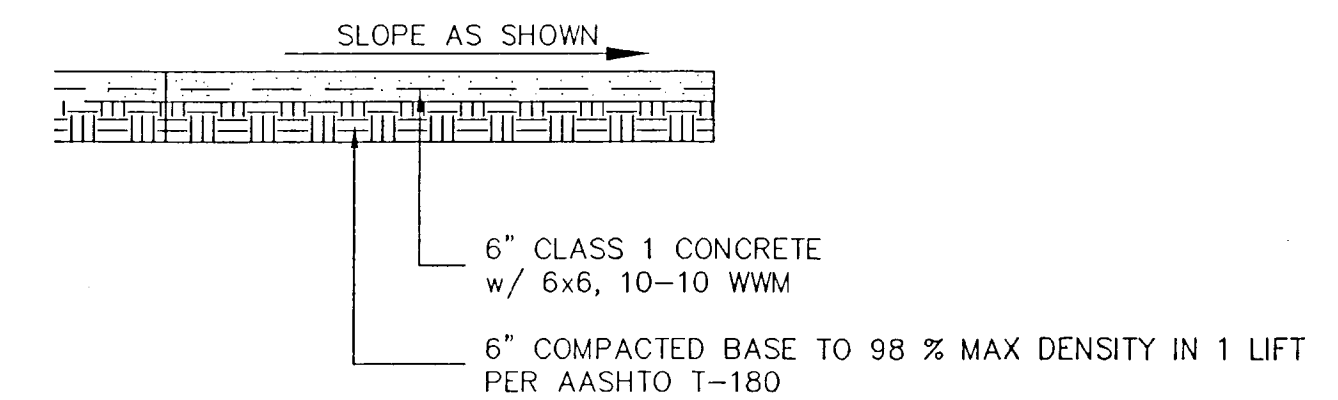
**SWALE CHECK**  
 N.T.S.

SWALE CHECK TOP IS 0.25' BELOW LOWEST ADJACENT TOP OF BANK ELEVATION (TYPICAL). SWALE CHECK TO BE SODDED ON ALL SIDES AND TOP FROM RIGHT OF WAY LINE TO EDGE OF PAVEMENT (TYPICAL OF ALL SWALE CHECKS)



**NOTE:**  
 1. ALL CONCRETE TO HAVE A 28 DAY COMPRESSION STRENGTH OF NOT LESS THAN 2500 P.S.I.  
 2. ALL DRIVEWAY APRONS SHALL BE STAKED OUT AND APPROVED BY THE COUNTY AND HOMEOWNER PRIOR TO CONSTRUCTION.

**CONCRETE DRIVEWAY DETAIL**  
 N.T.S.



**CONCRETE DRIVEWAY PAVEMENT DETAIL**  
 N.T.S.

LONGITUDINAL JOINT SPACING SHALL NOT EXCEED 12.5 FT.  
 TRANSVERSE JOINT SPACING SHOULD BE AT REGULAR INTERVALS OF 15 FT. OR LESS

ALL CONTRACTION JOINTS MUST BE CONTINUOUS THROUGH THE CURB AND HAVE A DEPTH EQUAL TO 1/4 OF THE PAVEMENT THICKNESS. EXPANSION JOINT FILLER MUST BE THE FULL DEPTH AND EXTEND THROUGH THE CURB.

LONGITUDINAL CONSTRUCTION JOINTS SHOULD BE EITHER KEYED (TONGUE & GROOVE) OR BUTT-TYPE WITH TIE BARS TO HOLD ADJACENT SLABS IN VERTICAL ALIGNMENT.

OFFSETS AT RADIUS POINTS SHOULD BE AT LEAST 1.5 FT. WIDE. ANGLES OF LESS THAN 60° SHOULD BE AVOIDED.

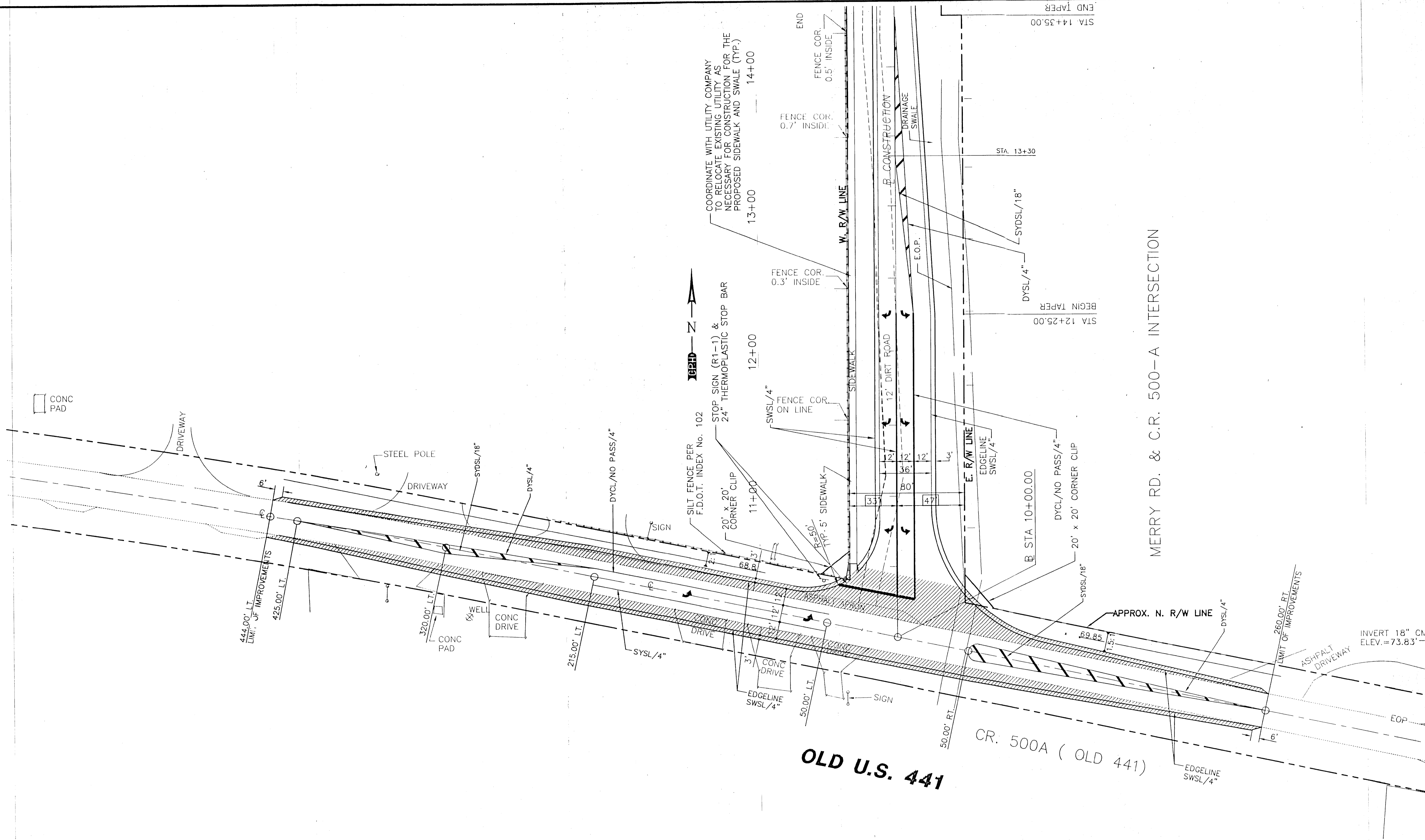
**LEGEND FOR SIGNAGE AND PAVEMENT MARKING**

- SYSL/4" SINGLE YELLOW SOLID LINE / 4" WIDE
- SYBCL/4" SINGLE YELLOW BROKEN CENTER LINE WITH 2-WAY AMBER REFLECTIVE PAVEMENT MARKERS (R.P.M.) AT 40' O.C.
- SYDCL/18" SINGLE YELLOW DIA. SOLID LINE / 18" WIDE AT 45 DEG. 10' O.C.
- DYCL/NO PASS DOUBLE YELLOW SOLID CENTER LINE / 4" WIDE WITH R.P.M. (PASSING RESTRICTED IN BOTH DIRECTIONS)
- DYCL/1WAY PASS DOUBLE YELLOW CENTER LINE WITH ONE BROKEN AND ONE SOLID LINE / 4" WIDE WITH RPM (PASSING RESTRICTED IN ONE DIRECTION ONLY)
- SWSL/4" SINGLE WHITE SOLID LINE / 4" WIDE
- SW-SKIP/4" SINGLE WHITE BROKEN LINE / 4" X 6" WITH 10' SKIP
- SY-SKIP/4" SINGLE YELLOW BROKEN LINE / 4" X 6" WITH 10' SKIP
- SDWL/4" SINGLE DOTTED WHITE LINE / 4" X 2" WITH 4" SKIP
- SDYL/4" SINGLE DOTTED YELLOW LINE / 4" X 2" WITH 4" SKIP
- 24" WHITE THERMO. STOP BAR 4' BACK OF CROSS WALK
- CROSS WALK - 12" X 6" SOLID WHITE STRIPES (3' O.C.)
- WHITE THERMO. PAVEMENT ARROWS PER FDOT NO. 17346
- (R1-1) STOP SIGN (R1-1)
- (W3-1) STOP AHEAD SIGN (W3-1)
- (W3-3) TRAFFIC SIGNAL AHEAD (W3-3)
- (R4-1) DO NOT PASS SIGN (R4-1)
- (W2-1) INTERSECTION WARNING SIGN - CROSS ROAD (W2-1)
- (W2-2) INTERSECTION WARNING SIGN - SIDE ROAD (W2-2)
- (R2-1) SPEED LIMIT SIGN (R2-1)
- (M1-6) COUNTY ROUTE MARKER (M1-6)
- (W1A-2) PEDESTRIAN CROSSING SIGN (W1A-2)
- (20-39) STREET NAME SIGN
- (R3-8) LANE CONTROL SIGN

**NOTE:**  
 ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH FDOT INDEX #17346 AND #17352 AND THE U.S. DEPT. OF TRANSPORTATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." (LATEST EDITION).

DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE				
DESIGNED BY:	JCB	5/99				
DRAWN BY:	DDH/GSG	5/99	3/07/00	PER LAKE COUNTY COMMENTS	JNH	SCALE: AS NOTED
CHECKED BY:	JBM	5/99	12/23/99	PER SJRWMD RAI COMMENTS	JNH	DATE: MAY, 1999
APPROVED BY:	JAMES N. HUNTER	5/99	9/17/99	PER LAKE COUNTY COMMENTS	JNH	JOB NO. L3605
REGISTRATION NO.	21798					FILE: S-DET.DWG



INTERSECTION PLAN FOR SOUTH MERRY ROAD

**Conklin Porter and Holmes ENGINEERS, INC.**  
 MAINSTREET CENTER  
 101 N. WOODLAND BLVD., SUITE 100  
 DELAND, FLORIDA 32720  
 TEL 904-736-4142 FAX 904-736-841

DATE	TO	FOR
		PROJECT CONTROL

ACTIVITY	NAME	DATE			
DESIGNED BY:	LGT	5/99			
DRAWN BY:	GSG	5/99			
CHECKED BY:	JCW	5/99			
APPROVED BY:	JAMES N. HUNTER	5/99	9/17/99	PER LAKE COUNTY COMMENTS	JNH
REGISTRATION NO.	21798		NO.	DATE	REVISION

SCALE: 1"=30'  
 DATE: MAY, 1999  
 JOB NO. L3605.C  
 FILE: S\_SEC1.DWG

SHEET NO.  
**11 OF 11**

**STRIPING PLAN**  
**SOUTH MERRY ROAD**