

THIS CONTRACT PLAN SET INCLUDES

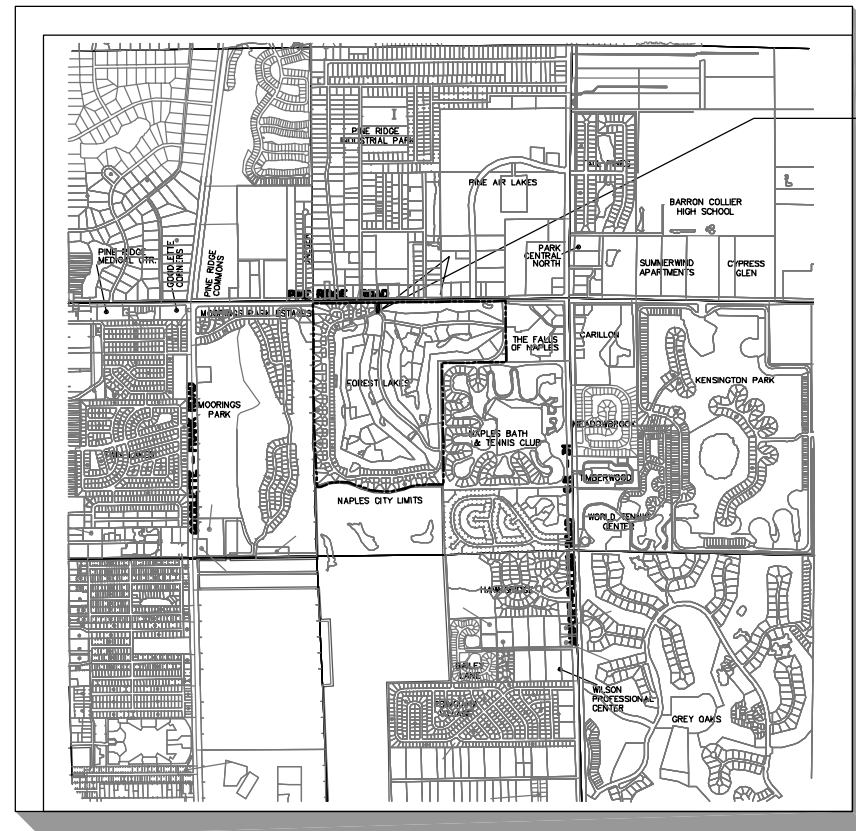
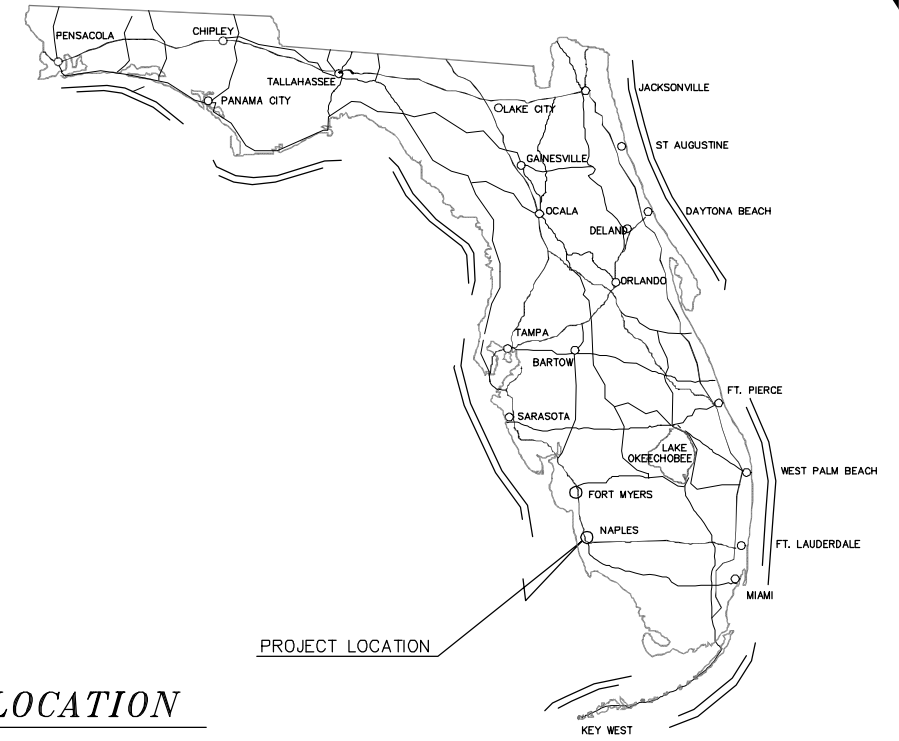
**PLANS OF PROPOSED**  
**FOREST LAKES BOULEVARD**  
**NORTHBOUND TURN LANE**  
**TO PINE RIDGE ROAD**  
**CONSTRUCTION PLANS**  
**FOREST LAKES MSTU**  
**BOND PROJECT F-58 (PHASE III)**

INDEX OF ROADWAY PLANS

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THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THAT MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2013 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2013, AS AMENDED BY CONTRACT DOCUMENTS.



PROJECT LOCATION



N.T.S.

SUBMITTED BY:

DATE

JAMES A. CARR, P.E. NO. 51318  
 CONSULTANT PROJECT MANAGER  
 AGNOLI, BARBER & BRUNDAGE, INC.

REVISIONS			
No.	DATE	BY	DESCRIPTION

**100% PLANS**  
**APRIL 2, 2013**

PLANS PREPARED BY:



Professional engineers, planners, & land surveyors  
 Collier County: Suite 200, 7400 Tamiami Trail, North; Naples, FL 34108  
 (239)597-3111 Fax: (239)566-2203  
 Certificate of Authorization Nos. LB 3664 and EB 3664

**PROJECT GENERAL NOTES**

1. THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED, THEREFORE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION, AND SHALL HAVE ALL SERVICE LINES (TELEPHONE, FPL, WATER, CABLE, GAS, SANITARY SEWER AND FORCE MAIN) LOCATED AND FLAGGED PRIOR TO EXCAVATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES TO SCHEDULE THE REQUIRED RELOCATIONS. THE LIST WHICH FOLLOWS IS NOT ALL INCLUSIVE:
 

<u>UTILITY COMPANIES</u>	<u>EMERGENCY PHONE NO.:</u>
COLLIER COUNTY WATER DISTRIBUTION (PAM LIBBY)	(239) 775-2007
COLLIER COUNTY WASTEWATER COLLECTIONS (STEVE NAGY)	(239) 591-0186
COLLIER COUNTY LANDSCAPE OPERATIONS (PAM LULICH)	(239) 252-6291
FLORIDA POWER & LIGHT COMPANY	(239) 353-6045
EMBARQ (FORMERLY SPRINT) (JACK STRICKLAND)	(239) 263-6214
SUNSHINE STATE ONE-CALL CENTER	1-800-432-4770
COMCAST CABLE (MARK COOK)	(239) 415-4733
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL UTILITY LINES AND SERVICES DAMAGED DURING CONSTRUCTION, INCLUDING IRRIGATION LINES AND SERVICES. THE APPROPRIATE UTILITY SHALL BE NOTIFIED OF ALL DAMAGED LINES PRIOR TO REPAIR. ALL NECESSARY REPAIRS SHALL BE PERFORMED IMMEDIATELY.
5. THE CONTRACTOR SHALL COMPLY WITH STANDARDS SET FORTH IN COLLIER COUNTY ORDINANCE 82-91 (CONSTRUCTION IN PUBLIC RIGHTS-OF-WAY) AND COLLIER COUNTY ORDINANCE 99-17 AS AMENDED (UTILITIES ORDINANCE).
6. THE CONTRACTOR IS REQUIRED TO OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY REQUIRED PLAN DEVIATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT AREA. ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA MANUAL OF TRAFFIC CONTROL, THE STANDARD DETAILS AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.
9. ALL EXISTING TREES (UNLESS OTHERWISE NOTED), LANDSCAPING AND PRIVATE SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND/OR RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
10. ALL DRIVEWAYS, LANDSCAPING, SIGNS, GRASS, ETC. SHALL BE RESTORED TO A CONDITION EQUIVALENT TO PRECONSTRUCTION CONDITION UNLESS OTHERWISE APPROVED BY THE ENGINEER.
11. CONTRACTOR SHALL NOTIFY RESIDENCES AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION IN SERVICE, INCLUDING DRIVEWAY CUTS.
12. THE CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE ENGINEER AND COUNTY PRIOR TO THE FOLLOWING ACTIVITIES:
  - A. COMMENCEMENT OF CONSTRUCTION
  - B. CHANGES TO APPROVED SCHEDULES
  - C. TRENCH & BACKFILL COMPACTION & DENSITY TESTING
  - D. FINAL INSPECTIONS
13. ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929
14. DIMENSIONS ARE IN FEET AND DECIMALS UNLESS OTHERWISE NOTED.
15. AERIALS WERE OBTAINED FROM THE COLLIER COUNTY APPRAISER'S OFFICE AND WERE FLOWN IN 2012.
16. PAVEMENT STATIONS AND OFFSET TIES ARE REFERENCED FROM BASELINE OF CONSTRUCTION TO EDGE OF PAVEMENT.
17. ALL CURB AND GUTTER RADII SHOWN ARE TO THE EDGE OF PAVEMENT.
18. EXISTING MANHOLE FRAMES, COVERS AND VALVE BOXES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO PROPOSED GRADE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN ON THE PLAN.
19. ALL WORK SHALL BE DONE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2013 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2013, AS AMENDED BY COLLIER COUNTY CONTRACT DOCUMENTS.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

21. COLLIER COUNTY MAY HAVE OTHER CONTRACTS UNDER CONSTRUCTION DURING THE LIFE OF THIS CONTRACT. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 8-4.4 OF THE STANDARD SPECIFICATIONS "COORDINATION WITH OTHER CONTRACTORS". THE ENGINEER SHALL COORDINATE THE OTHER INTERFACE AND COOPERATION BETWEEN THE CONTRACTORS IS EXPECTED.
22. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE IN THE SUMMARY OF ROADWAY PAY ITEMS. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
23. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
24. ALL CATCH BASINS AND MANHOLES SHALL HAVE THE APPROPRIATE FDOT TRAFFIC RATED FRAME AND GRATE.
25. WHERE SIDEWALK TERMINATES AT THE EDGE OF THE PAVEMENT, A CURB CUT RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 304.
26. NO DE-WATERING IS ALLOWED. THE CONTRACTOR IS REQUIRED TO APPLY FOR A DE-WATERING PERMIT WITH THE S.F.W.M.D. SHOULD HE WISH TO USE DE-WATERING TO CONSTRUCT THE FACILITIES.

SIGNING AND PAVEMENT MARKING GENERAL NOTES:


1. THE IMPLEMENTATION OF THE SIGNING AND PAVEMENT MARKING PLANS SHALL BE IN ACCORDANCE WITH THE 2009 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE 2013 EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (AS AMENDED BY THE CONTRACT SPECIFICATIONS) AND THE 2013 EDITION OF THE FDOT DESIGN STANDARDS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
3. ALL STRIPING SHALL BE APPLIED BEFORE RETRO-REFLECTIVE PAVEMENT MARKERS (RPMS) ARE INSTALLED.
4. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH INDEX NO. 17346.
5. PLACEMENT OF RPMS SHALL BE IN ACCORDANCE WITH INDEX NO. 17352
6. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH INDEX NO. 17302.
7. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
8. THE SIGN LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
9. SIGN ASSEMBLY LOCATIONS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, CURB CUTS, ETC. MAY BE ADJUSTED BY THE ENGINEER IN ACCORDANCE WITH THE MUTCD.
10. CAUTION SHOULD BE EXERCISED WHEN RELOCATING EXISTING SIGNS TO PREVENT DAMAGE TO THE SIGNS AND/OR THEIR SUPPORTS. IF THE SIGNS AND/OR SUPPORTS ARE DAMAGED BEYOND USE AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
11. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.
12. ANY EXISTING SIGN TO BE RELOCATED SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION. PAYMENT SHALL BE MADE UNDER ITEM - RELOCATE EXISTING SIGNS.
13. ANY EXISTING SIGNS ON THE RIGHT OF WAY WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
14. PAYMENT FOR THE REMOVAL OF SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE MADE UNDER ITEM - REMOVE EXISTING SIGNS.
15. TRAFFIC SIGNS TO BE INSTALLED IN CONCRETE MEDIANS, TRAFFIC SEPARATORS OR BRICK PAVERS: LEAVE A 10" DIAMTER OR 10" SQUARE CUT-OUT FOR SIGNS TO BE INSTALLED A MINIMUM 3' DEEP IN SOIL.
16. THE BACK OF ALL SIGN PANELS SHALL BE STENCILED WITH THE DATE OF INSTALLATION, THE INSTALLING FIRMS NAME AND THE PROJECT NUMBER AT THE BOTTOM OF THE PANEL USING 3-INCH HEIGHT LETTERS AND NUMERALS.
17. ALL COLUMNS (POSTS) FOR SINGLE COLUMN SIGNS SHALL BE STEEL SQUARE TUBE POSTS AS SHOWN IN FDOT INDEX NO. 11865.

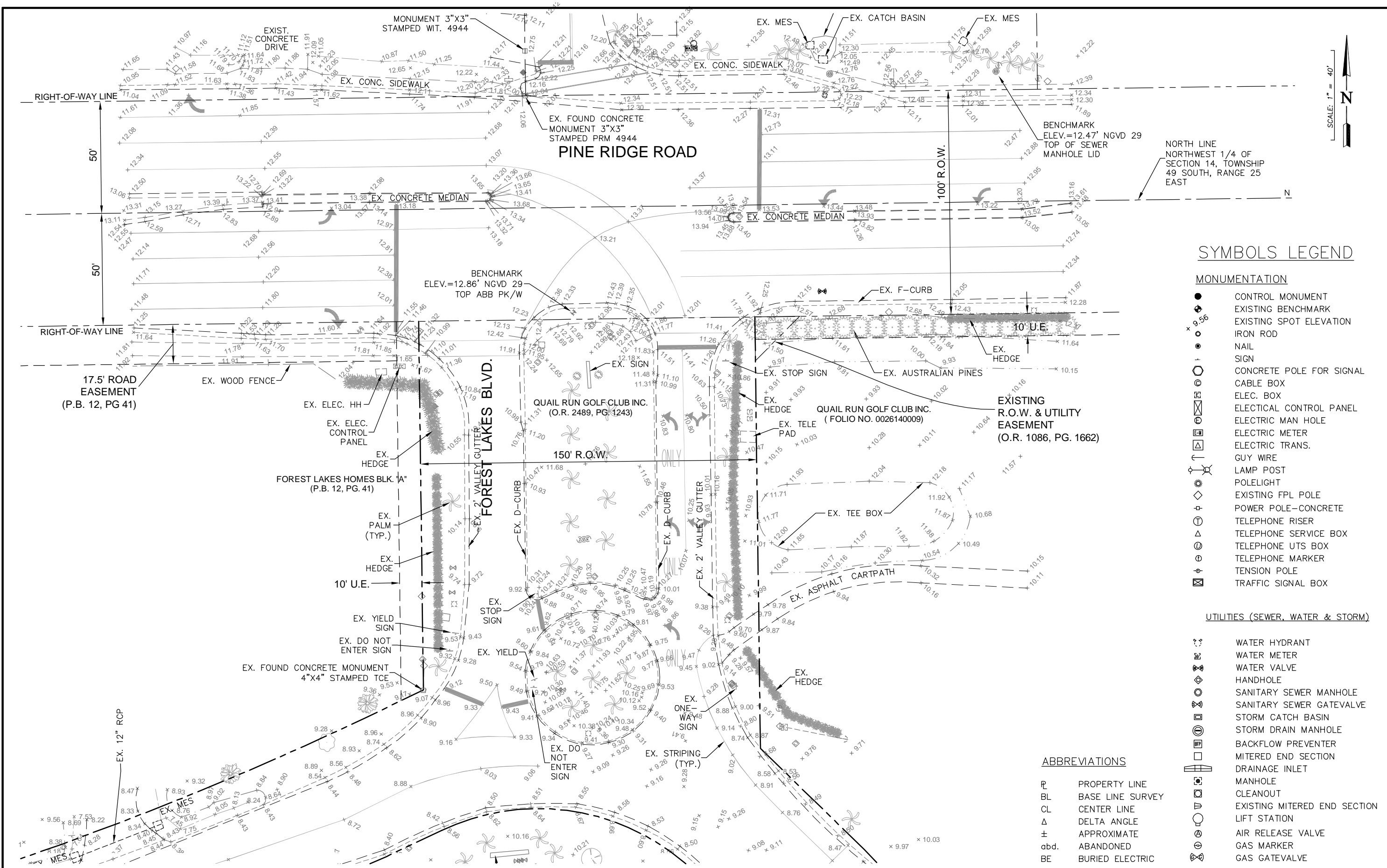
18. IT SHALL BE THE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LENGTH OF THE COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
19. ANY EXISTING PAVEMENT MARKINGS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REFURBISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
20. PAINT ALL MEDIAN NOSES REFLECTIVE WHITE OR REFLECTIVE YELLOW AS INDICATED IN THE PLANS.
21. THE FOLLOWING ABBREVIATIONS ARE USED THESE PLANS:
 

RPMS	- RETRO-REFLECTIVE PAVEMENT MARKERS
BD/RC	- BI-DIRECTIONAL COLORLESS RED
A/A	- AMBER AMBER

TRAFFIC CONTROL NOTES:

1. THE PREPARATION OF THE TRAFFIC CONTROL PLAN FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE 2009 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD PART VI, TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION), AS REVISED TO DATE. FOR GENERAL TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) BOOKLET "DESIGN STANDARDS" DATED JANUARY 2013 INDEX Nos. 600 THROUGH 660, AS APPLICABLE.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF THE TRAFFIC CONTROL PLAN (T.C.P.), THE COST OF WHICH SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC. THE T.C.P. SHALL BE PREPARED BY AN INDIVIDUAL WITH THE ADVANCED FDOT "WORK ZONE TRAFFIC CONTROL" CERTIFICATION. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL ALONG WITH THE APPLICATION FOR THE RIGHT OF WAY CONTRACT.
3. CONSTRUCTION SIGNS FOR THE PROJECT SHALL BE ERECTED PRIOR TO ANY CONSTRUCTION ACTIVITY. THESE SIGNS SHALL BE MAINTAINED AND/OR ADJUSTED DURING PERIODS OF CONSTRUCTION FROM PHASE TO PHASE AS APPLICABLE. PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED IN SUCH A WAY THAT WILL AVOID OBSTRUCTION OF OR CONFLICT WITH EXISTING SIGNS.
4. WHERE "FLAGGER" AND "WORKER" SIGNS ARE USED, THE SIGNS SHALL BE COVERED OR REMOVED DURING PERIODS WHEN CONSTRUCTION OPERATIONS ARE SUSPENDED SUCH AS NIGHTS, WEEKENDS OR HOLIDAYS..
5. LANE CLOSURES SHALL BE SCHEDULED AS FOLLOWS:
  - A. THE LOCATION AND DURATION OF EACH LANE CLOSURE, INCLUDING TURN LANES, SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE IMPLEMENTATION OF THE CLOSURE.
  - B. NO WORK SHALL BE DONE REQUIRING A LANE CLOSURE BETWEEN THE FOLLOWING HOURS:
    - FROM 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 7:00 P.M. ON MONDAY THROUGH FRIDAY
    - HOLIDAY AND SPECIAL EVENT DAYS, AS PERMITTED BY THE ENGINEER
    - EMERGENCIES AS DEEMED NECESSARY BY COLLIER COUNTY EMERGENCY MANAGEMENT, LAW ENFORCEMENT AUTHORITIES OR THE ENGINEER..
6. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET DURING CONSTRUCTION.
7. THE CONTRACTOR WILL BE REQUIRED TO USE VARIABLE MESSAGE SIGNS TO PROVIDE ADVANCED WARNING OF THE WORK AREA. THESE SIGNS SHALL BE SET UP 1000' PRIOR TO WORK AREA. THE SIGNS WILL BE PROVIDED AT THE DISCRETION OF THE ENGINEER.
8. THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS IN SUCH A WAY THAT WILL MAINTAIN EXISTING ACCESS TO ALL SIDE STREETS AND DRIVEWAYS AT ALL TIMES.

NO.	DATE	REVISIONS	BY	COLLIER COUNTY TRANSPORTATION DIVISION, ALTERNATIVE TRANSPORTATION MODES	 Certificate of Authorization Nos. LB 3664 and EB 3664 Professional Engineers, Planners & Land Surveyors Collier County: 7400 Tamiami Trail N., Naples, FL - 34108 (239)597-3111 Fax: (239)566-2203	DESIGNED BY: ABB DRAWN BY: ABB CHECKED BY: EFT REVIEWED BY: JAC PLOT VIEW/LAYOUT: GEN-02 CTB NAME: 8000-ROAD	DATE: AUGUST 2012 24x36 PLOT HORIZ SCALE: VERT SCALE: 11X17 PLOT HORIZ SCALE: NA VERT SCALE: NA	PLAN STAGE 90% PLANS ABB PROJECT NO. 12-0030 ACAD DWG: 10801me	<b>JAMES A. CARR, P.E.</b> No. 51318      April 2, 2013	TITLE: <b>FOREST LAKES BOULEVARD                  NORTHBOUND TURN LANE                  CONSTRUCTION PLANS</b> <b>GENERAL NOTES</b>	SHEET C-2 OF C-7 FILE NO. 10801
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**SYMBOLS LEGEND**

**MONUMENTATION**

- CONTROL MONUMENT
- ⊕ EXISTING BENCHMARK
- ⊙ EXISTING SPOT ELEVATION
- ⊙ IRON ROD
- ⊙ NAIL
- ⊙ SIGN
- ⊙ CONCRETE POLE FOR SIGNAL
- ⊙ CABLE BOX
- ⊙ ELEC. BOX
- ⊙ ELECTRICAL CONTROL PANEL
- ⊙ ELECTRIC MAN HOLE
- ⊙ ELECTRIC METER
- ⊙ ELECTRIC TRANS.
- ⊙ GUY WIRE
- ⊙ LAMP POST
- ⊙ POLELIGHT
- ⊙ EXISTING FPL POLE
- ⊙ POWER POLE-CONCRETE
- ⊙ TELEPHONE RISER
- ⊙ TELEPHONE SERVICE BOX
- ⊙ TELEPHONE UTS BOX
- ⊙ TELEPHONE MARKER
- ⊙ TENSION POLE
- ⊙ TRAFFIC SIGNAL BOX

**UTILITIES (SEWER, WATER & STORM)**

- ⊙ WATER HYDRANT
- ⊙ WATER METER
- ⊙ WATER VALVE
- ⊙ HANDHOLE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ SANITARY SEWER GATEVALVE
- ⊙ STORM CATCH BASIN
- ⊙ STORM DRAIN MANHOLE
- ⊙ BACKFLOW PREVENTER
- ⊙ MITERED END SECTION
- ⊙ DRAINAGE INLET
- ⊙ MANHOLE
- ⊙ CLEANOUT
- ⊙ EXISTING MITERED END SECTION
- ⊙ LIFT STATION
- ⊙ AIR RELEASE VALVE
- ⊙ GAS MARKER
- ⊙ GAS GATEVALVE

**ABBREVIATIONS**

- PL PROPERTY LINE
- BL BASE LINE SURVEY
- CL CENTER LINE
- Δ DELTA ANGLE
- ± APPROXIMATE
- abd. ABANDONED
- BE BURIED ELECTRIC

NO.	DATE	REVISIONS	BY

COLLIER COUNTY  
TRANSPORTATION DIVISION,  
ALTERNATIVE  
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**AGNOLI BARBER & BRUNDAGE, INC.**  
Professional Engineers, Planners & Land Surveyors  
Collier County: 7400 Tamiami Trail N., Naples, FL - 34108  
(239)597-3111 Fax: (239)566-2203

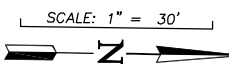
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CHECKED BY: EFT	HORIZ SCALE:	ACAD DWG: 10801me
REVIEWED BY: JAC	VERT SCALE:	
PLOT VIEW/LAYOUT: EX CON-03	11X17 PLOT	
CTB NAME: 8000-ROAD	HORIZ SCALE: 1"=40'	
	VERT SCALE: NA	

**JAMES A. CARR, P.E.**  
No. 51318 April 2, 2013

TITLE: **FOREST LAKES BOULEVARD  
NORTHBOUND TURN LANE  
CONSTRUCTION PLANS  
EXISTING CONDITIONS MAP**

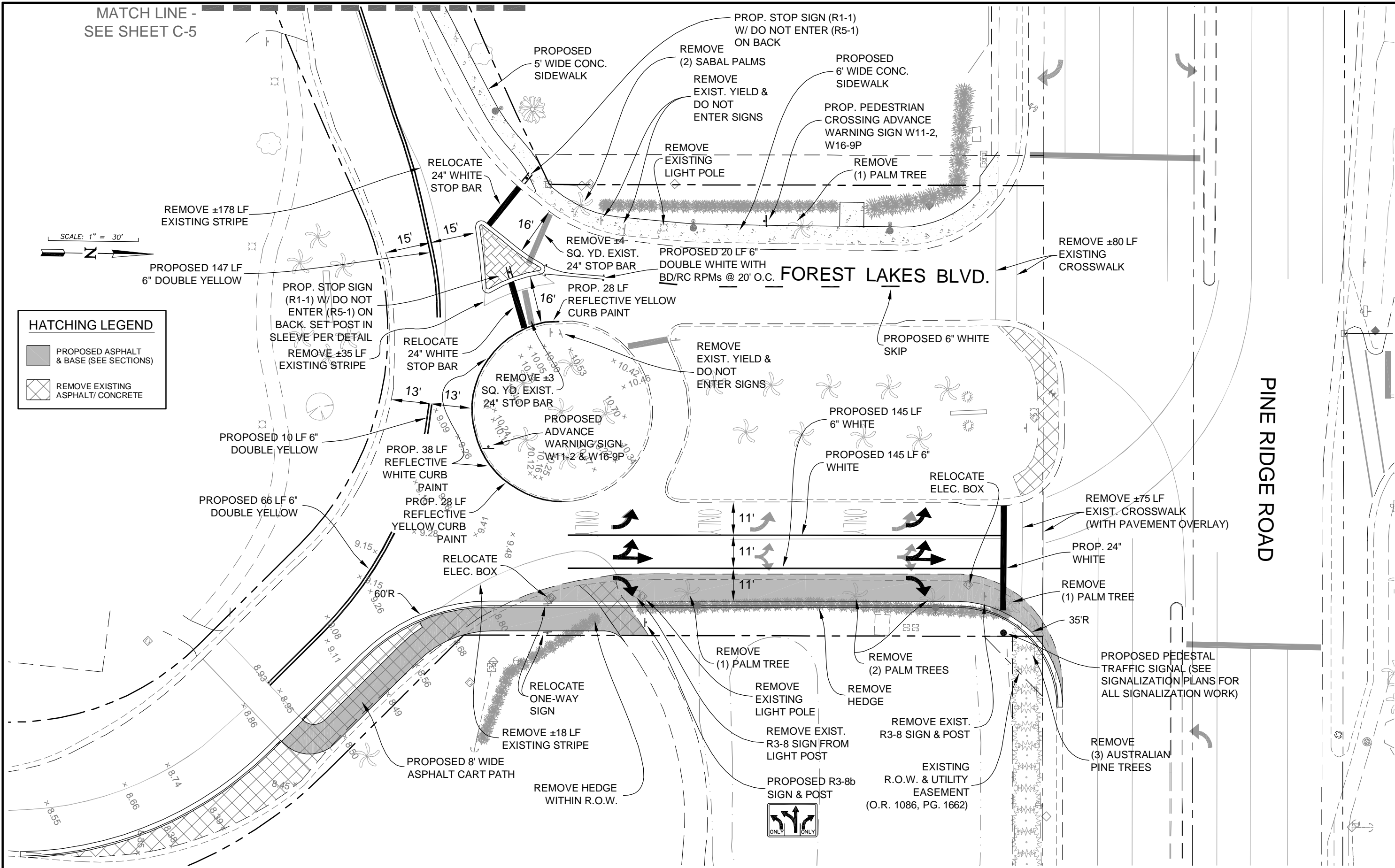
SHEET  
C-3  
OF C-7  
FILE NO. 10801

MATCH LINE -  
SEE SHEET C-5



**HATCHING LEGEND**

- PROPOSED ASPHALT & BASE (SEE SECTIONS)
- REMOVE EXISTING ASPHALT/ CONCRETE



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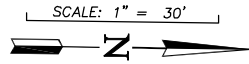
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PLOT VIEW/LAYOUT: SIGN-04	11x17 PLOT	
CTB NAME: 8000-ROAD	HORIZ SCALE: 1"=30'	
	VERT SCALE: NA	

**JAMES A. CARR, P.E.**  
No. 51318 April 2, 2013

TITLE: **FOREST LAKES BOULEVARD  
NORTHBOUND TURN LANE  
CONSTRUCTION PLANS  
SIGNING & MARKING PLAN**

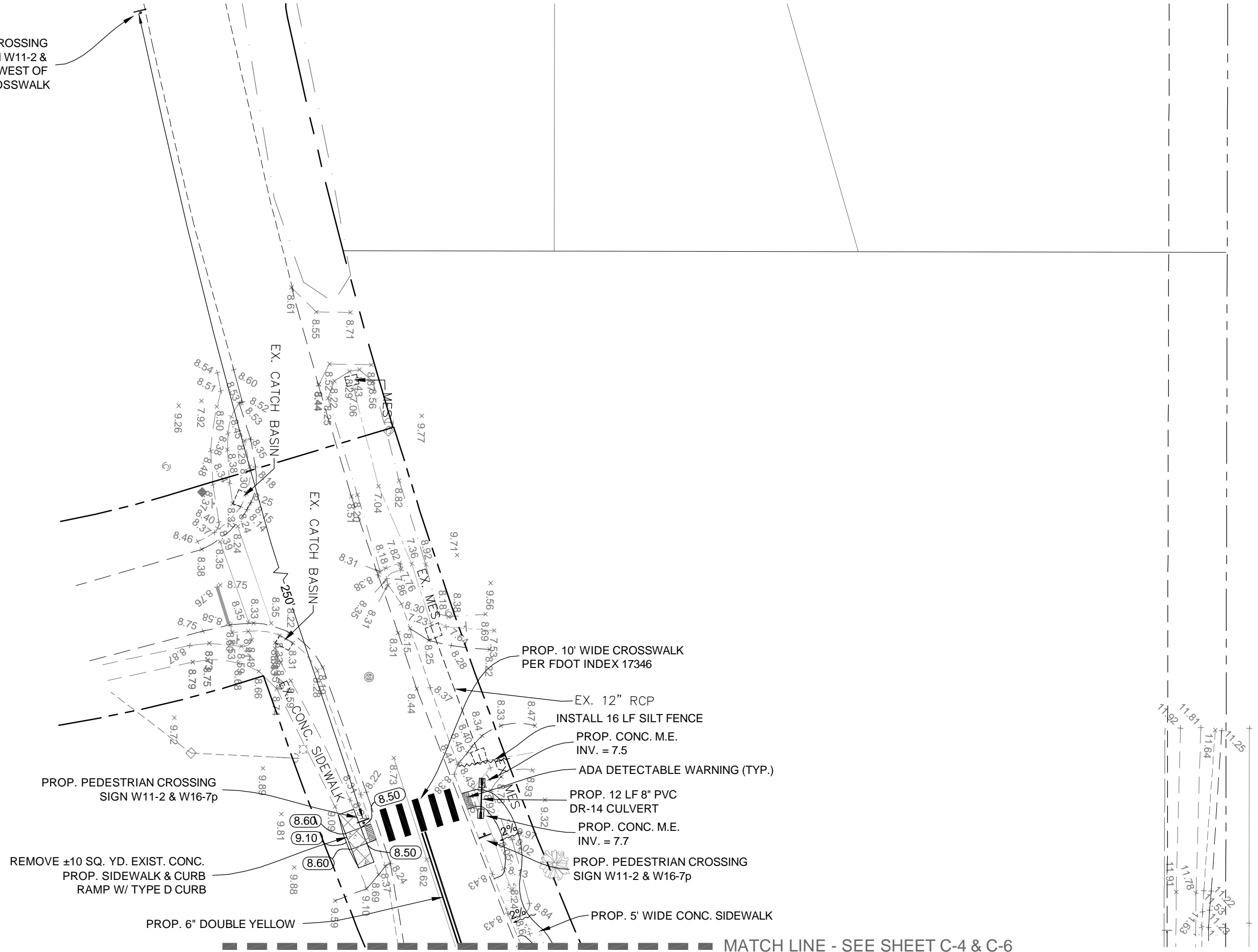
SHEET  
C-4  
OF C-7  
FILE NO. 10801

PROP. PEDESTRIAN CROSSING  
ADVANCE WARNING SIGN W11-2 &  
W16-9P. INSTALL ±250' WEST OF  
CROSSWALK



**HATCHING LEGEND**

- PROPOSED ASPHALT & BASE (SEE SECTIONS)
- REMOVE EXISTING ASPHALT/ CONCRETE



MATCH LINE - SEE SHEET C-4 & C-6

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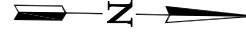
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CHECKED BY: EFT	HORIZ SCALE:	ACAD DWG: 10801me
REVIEWED BY: JAC	VERT SCALE:	
PLOT VIEW/LAYOUT: SIGN-05	11x17 PLOT	
CTB NAME: 8000-ROAD	HORIZ SCALE: 1"=30'	
	VERT SCALE: NA	

**JAMES A. CARR, P.E.**  
No. 51318 April 2, 2013

TITLE: **FOREST LAKES BOULEVARD  
NORTHBOUND TURN LANE  
CONSTRUCTION PLANS  
SIGNING & MARKING PLAN,  
GRADING & DRAINAGE PLAN**

SHEET C-5  
OF C-7  
FILE NO. 10801

SCALE: 1" = 30'



HATCHING LEGEND	
	PROPOSED ASPHALT & BASE (SEE SECTIONS)
	REMOVE EXISTING ASPHALT/ CONCRETE
	MILL & OVERLAY EXISTING ASPHALT

MATCH LINE - SEE SHEET C-5

PROPOSED ±75 LF  
MODIFIED TYPE "F"  
CURB W/ PAVER INFILL  
(SEE DETAIL SHEET C-6  
& LANDSCAPE PLAN)

FOREST LAKES BLVD.

PINE RIDGE ROAD

REMOVE ±60  
SQ. YD.  
EXISTING  
SIDEWALK

REMOVE ±394 LF  
EXIST. VALLEY  
GUTTER

MILL & OVERLAY  
575 SQ. YD. EXIST.  
ASPHALT

INSTALL 234 LF  
SILT FENCE

INSTALL 137 LF  
SILT FENCE

PROPOSED 388 LF  
TYPE F CURB

REMOVE ±20 SQ. YD.  
EXISTING ASPHALT

INSTALL SEDIMENT  
INLET PROTECTION

REMOVE ±394 LF  
EXISTING CURB

REMOVE ±179 SQ. YD.  
EXISTING ASPHALT

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REVIEWED BY: JAC	VERT SCALE:	
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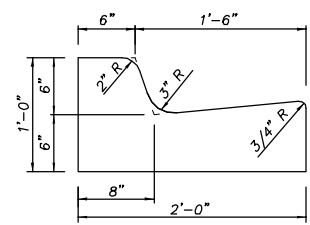
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NORTHBOUND TURN LANE  
CONSTRUCTION PLANS  
PAVING, GRADING &  
DRAINAGE PLAN**

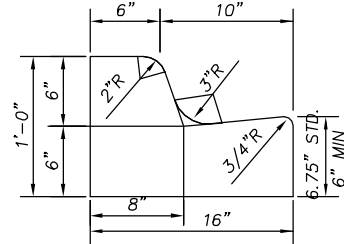
SHEET  
C-6  
OF C-7  
FILE NO. 10801

**GENERAL NOTES**

1. THE CURB AND GUTTER DETAILS SHOWN ARE FOR CONSTRUCTION ADJACENT TO CONCRETE PAVEMENT, EXCEPT AS NOTED.
2. FOR CURB, GUTTER AND CURB AND GUTTER CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, THE 1/2" EXPANSION JOINT SHOWN WILL NOT BE USED.
3. FOR CURB, GUTTER, CURB AND GUTTER AND TRAFFIC SEPARATORS PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO PCC PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS.
4. ENDS OF CURBS TYPES B AND D SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3 FEET.
5. WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.



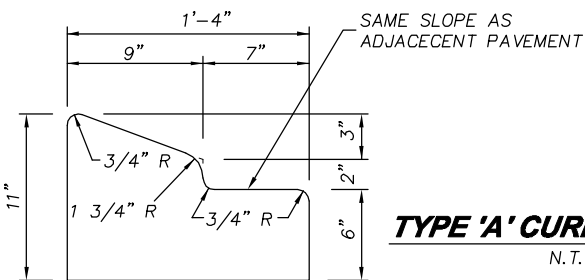
**TYPE 'F' CURB**  
N.T.S.



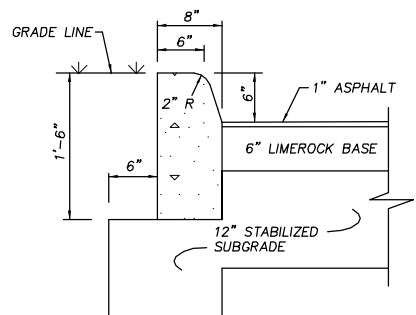
**TYPE F MODIFIED CURB**

**CURB NOTES**

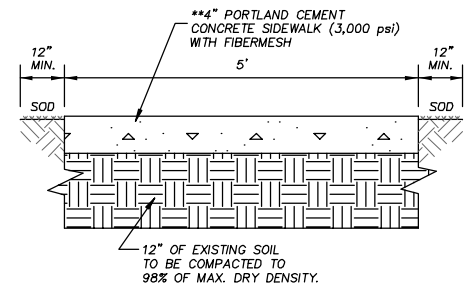
1. PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO PCC PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS.
2. WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE GUTTER SHALL BE 6".



**TYPE 'A' CURB**  
N.T.S.

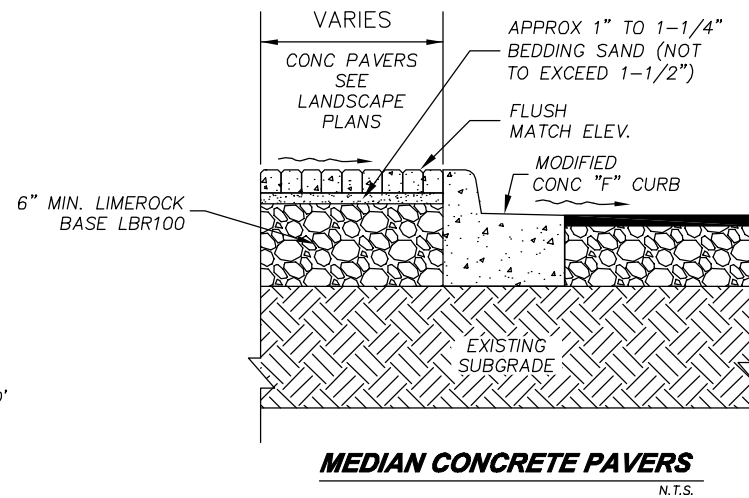


**TYPE 'D' CONCRETE CURB**  
N.T.S.

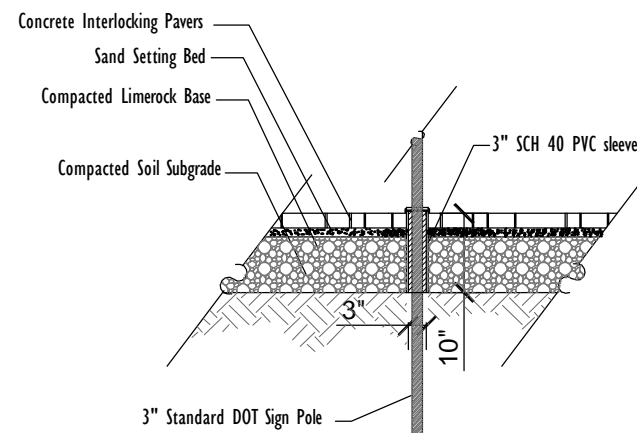


**CONCRETE SIDEWALK**  
N.T.S.

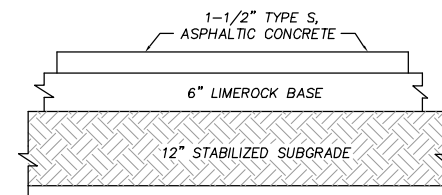
\*\* NOTE: 6" THICK SIDEWALK MAY BE SELECTED AT OPTION OF OWNER. THIS ITEM IS A BID ALTERNATE.



**MEDIAN CONCRETE PAVERS**  
N.T.S.

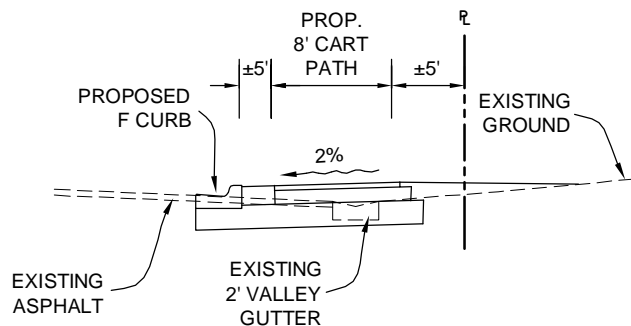


**TRAFFIC SIGN PAVER SLEEVE SECTION**  
N.T.S.

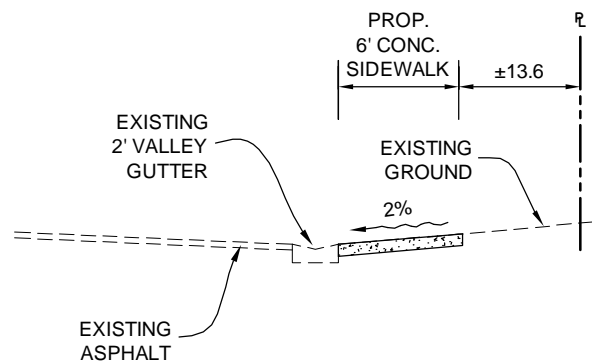


- 1) LIMEROCK BASE MUST BE COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DRY DENSITY AND HAVE A MINIMUM LBR OF 100.
- 2) STABILIZED SUBGRADE MUST BE COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DRY DENSITY AND HAVE A MINIMUM LBR OF 40 AFTER MIXING.
- 3) ASPHALT TO BE APPLIED IN TWO 3/4" LIFTS.
- 4) LIMEROCK SHALL EXTEND 6" PAST EDGE OF PAVEMENT SUBGRADE SHALL EXTEND 12" PAST EDGE OF PAVEMENT

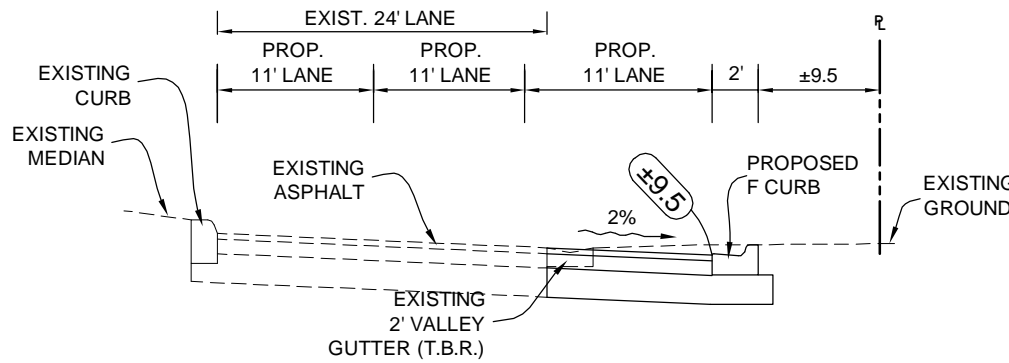
**TYPICAL PAVEMENT SECTION**  
N.T.S.



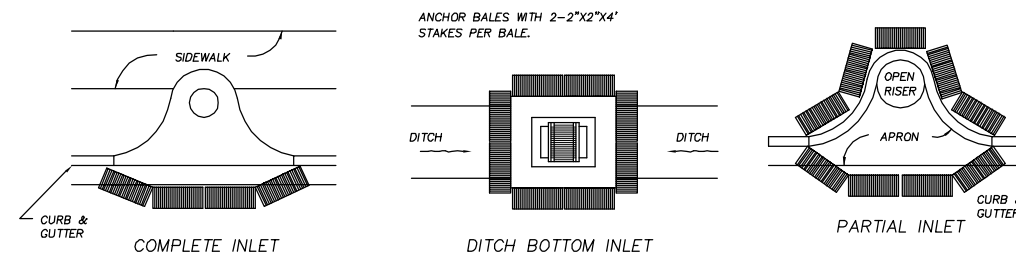
**SECTION A-A**  
N.T.S.



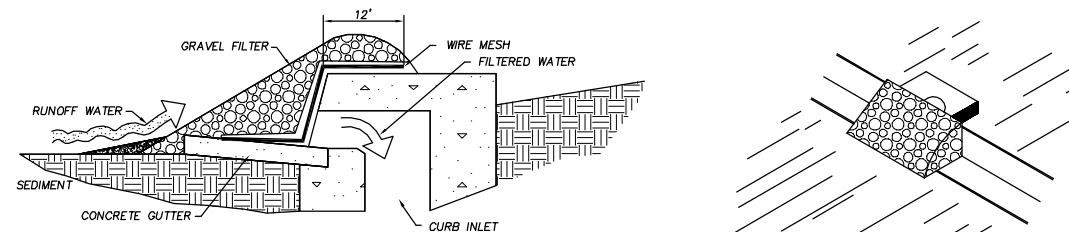
**SECTION B-B**  
N.T.S.



**SECTION C-C**  
N.T.S.



**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES BMP 1.08**



**GRAVEL CURB INLET SEDIMENT FILTER**

NO.	DATE	REVISIONS	BY

COLLIER COUNTY  
TRANSPORTATION DIVISION,  
ALTERNATIVE  
TRANSPORTATION MODES

**AGNOLI  
BARBER &  
BRUNDAGE, INC.**  
Professional Engineers, Planners & Land Surveyors  
Collier County: 7400 Tamiami Trail N. - Naples, FL - 34108  
(239)597-3111 Fax: (239)566-2203

DESIGNED BY: ABB  
DRAWN BY: ABB  
CHECKED BY: EFT  
REVIEWED BY: JAC  
PLOT VIEW/LAYOUT: DTL-06  
CTB NAME: 8000-ROAD

DATE: AUGUST 2012  
24x36 PLOT  
HORIZ SCALE:  
VERT SCALE:  
11X17 PLOT  
HORIZ SCALE: NA  
VERT SCALE: NA

PLAN STAGE  
90% PLANS  
ABB PROJECT NO.  
12-0030  
ACAD DWG:  
10801me

**JAMES A. CARR, P.E.**  
No. 51318 April 2, 2013

TITLE: **FOREST LAKES BOULEVARD  
NORTHBOUND TURN LANE  
CONSTRUCTION PLANS  
CONSTRUCTION DETAILS**

SHEET  
C-7  
OF C-7  
FILE NO. 10801