

# SITE DEVELOPMENT PLANS FOR: FOREST LAKES MSTU

## BOND PROJECT F-58 SIDEWALKS, LIGHTING & PLANTING - PHASE II LOCATED IN SECTION 14, TOWNSHIP 49 S, RANGE 25 E, COLLIER COUNTY, FLORIDA.

### REVIEWING AGENCIES

**COLLIER COUNTY**  
COLLIER COUNTY COMMUNITY DEVELOPMENT SERVICES  
2800 NORTH HORSESHOE DRIVE  
NAPLES, FL. 34104  
TEL: (239) 643-8400

TELEPHONE:  
CENTURY LINK  
P.O. BOX 2477  
NAPLES, FL. 34104  
TEL: (239) 263-6319

POWER:  
FLORIDA POWER AND LIGHT COMPANY  
4105 15TH AVENUE SOUTHWEST  
NAPLES, FL. 34116  
(239) 553-6090

SEWER:  
COLLIER COUNTY PUBLIC UTILITIES  
6027 SHIRLEY STREET  
NAPLES, FL. 34109  
TEL: (239) 597-5355

TELEVISION:  
COMCAST  
301 TOWER ROAD  
NAPLES, FL. 34113  
TEL: (239) 793-3577

WATER MANAGEMENT:  
COLLIER COUNTY COMMUNITY DEVELOPMENT SERVICES  
2800 NORTH HORSESHOE DRIVE  
NAPLES, FL. 34104  
TEL: (239) 643-8400

FIRE DISTRICT:  
NORTH NAPLES FIRE CONTROL DISTRICT  
1885 VETERAN'S PARK DRIVE  
NAPLES, FL. 34109  
TEL: (239) 597-3222

*100% PLANS  
APRIL 2, 2013*

### OWNER NAME:

Collier County Board of County Commissioners  
3301 East Tamiami Trail  
Naples, FL 34112  
PHONE: (239) 253-8097

### SHEET INDEX

SHEET NO.	SHEET TITLE
1	COVER SHEET/ PROJECT AERIAL
2	KEY SHEET, DETAILS, NOTES & EROSION CONTROL PLAN
3	SITE PLAN (1) AND GENERAL NOTES
4	SITE PLAN (2)
5	SITE PLAN (3) WOODSHIRE LANE PARKING AREAS
6	SITE PLAN (4) PINE RIDGE ROAD / WOODSHIRE LANE ENTRANCE

### LEGEND:

#### WATER DISTRIBUTION SYSTEM

	EXISTING WATER MAIN & PIPE SIZE
	EXISTING EFFLUENT MAIN & PIPE SIZE
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	PROPOSED WATER MAIN, VALVE & PIPE SIZE
	PROPOSED EFFLUENT MAIN, VALVE & PIPE SIZE

#### SANITARY SEWER SYSTEM

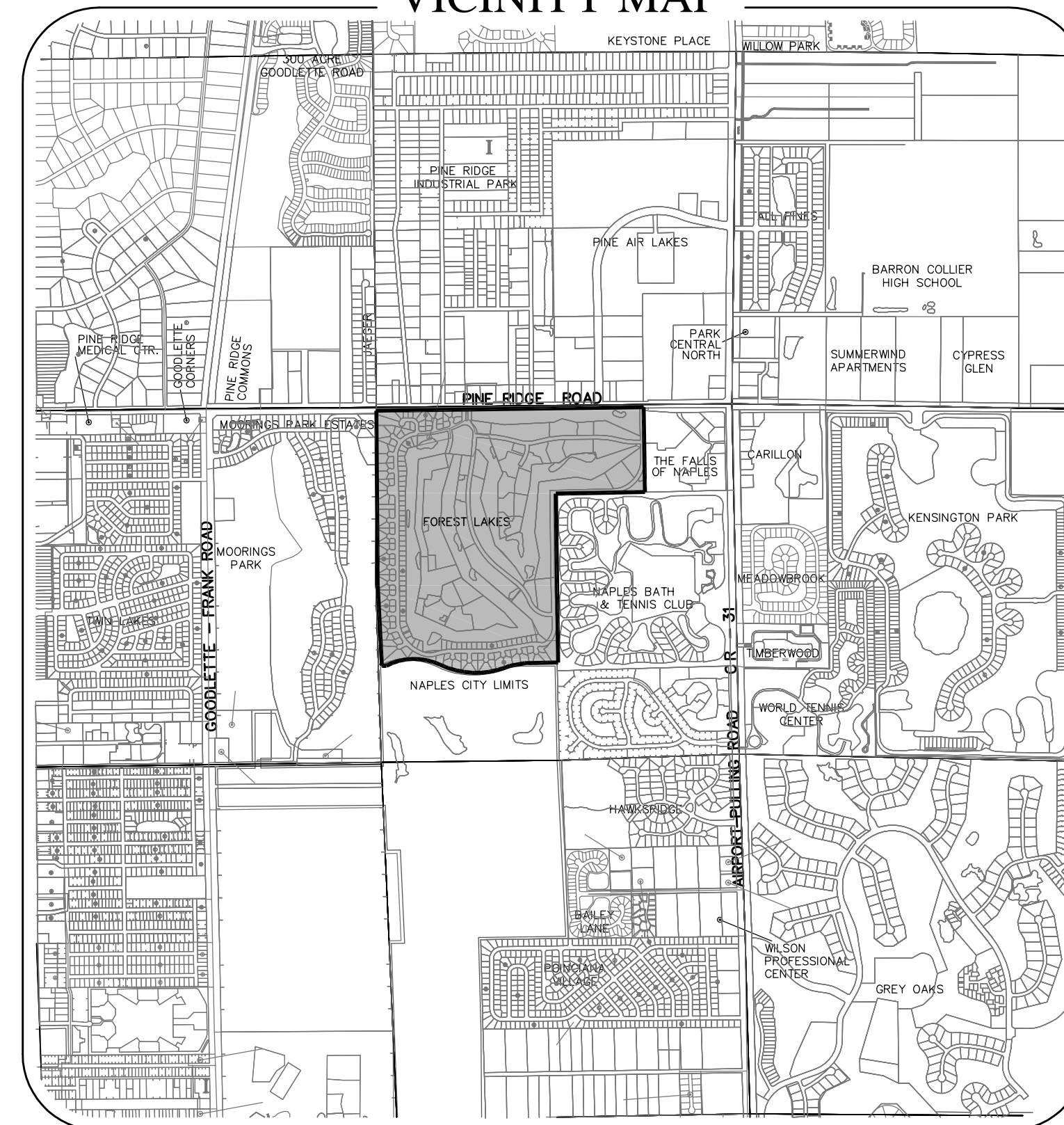
	EXISTING SEWER MAIN & PIPE SIZE
	EXISTING MANHOLE
	PROPOSED SEWER MAIN, MANHOLE & PIPE SIZE
	EXISTING SANITARY FORCE MAIN & PIPE SIZE
	PROPOSED SANITARY FORCE MAIN & PIPE SIZE

#### STORM DRAINAGE SYSTEM

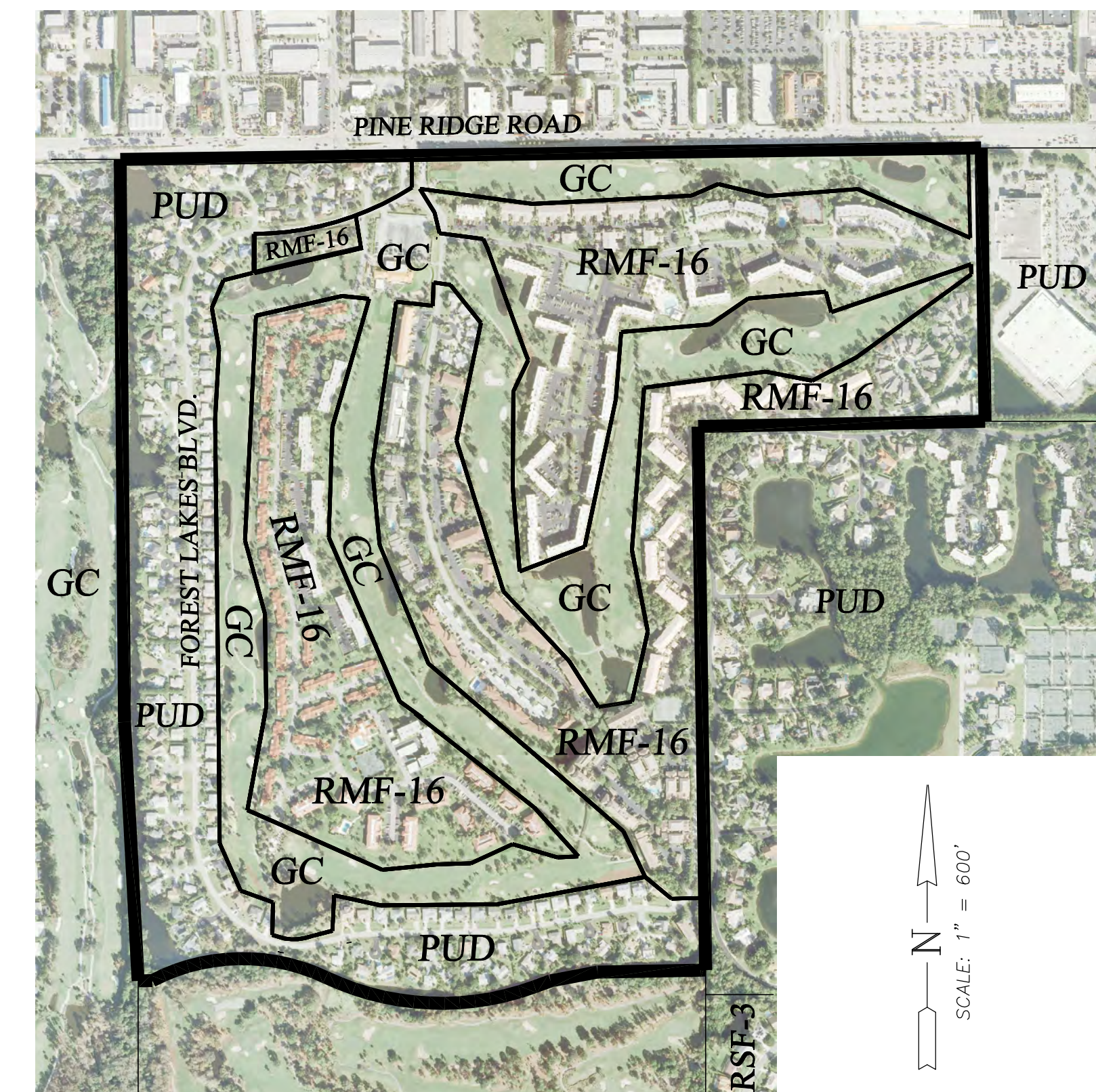
	EXISTING STORM DRAIN & PIPE MATERIAL/SIZE
	EXISTING CATCH BASIN
	EXISTING STORM DRAIN MANHOLE/HEADWALL
	PROPOSED STORM DRAIN, INLET & PIPE INFO
	EXISTING SPOT ELEVATION
	PROPOSED GRADE
	DRAINAGE FLOW ARROW

SECTION DESIGNATOR  
 DESIGN CROSS SECTION

### VICINITY MAP



### AERIAL LOCATION MAP



**AGNOLI  
BARBER &  
BRUNDAGE, INC.**  
Professional engineers, planners,  
& land surveyors  
Certificate of Substitution No.  
LB 3664 and EB 3664  
Collier County:  
7450 Tamiami Trail, North, Suite 200  
Naples, FL 34108  
Phone: (239) 697-3111  
Fax: (239) 696-2902

CLIENT NAME:  
**COLLIER COUNTY BOARD  
OF COUNTY COMMISSIONERS  
3301 EAST TAMAMIAMI TRAIL  
NAPLES, FL 34112**

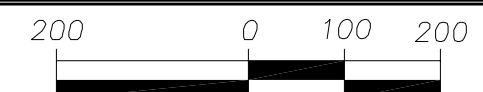
PROJECT NAME:  
**FOREST LAKES MSTU  
BOND PROJECT F-58 (PH. II)**

DRAWING TITLE:  
**COVER SHEET**

DESIGNED BY: ABB  
DRAWN BY: RAF  
CHECKED BY: JAC  
REVIEWED BY: ABB  
HORIZ. SCALE: AS NOTED  
VERT. SCALE: NA  
DATE: AUG 2011

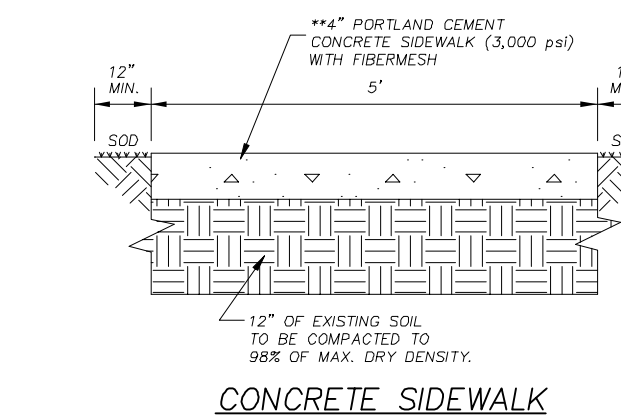
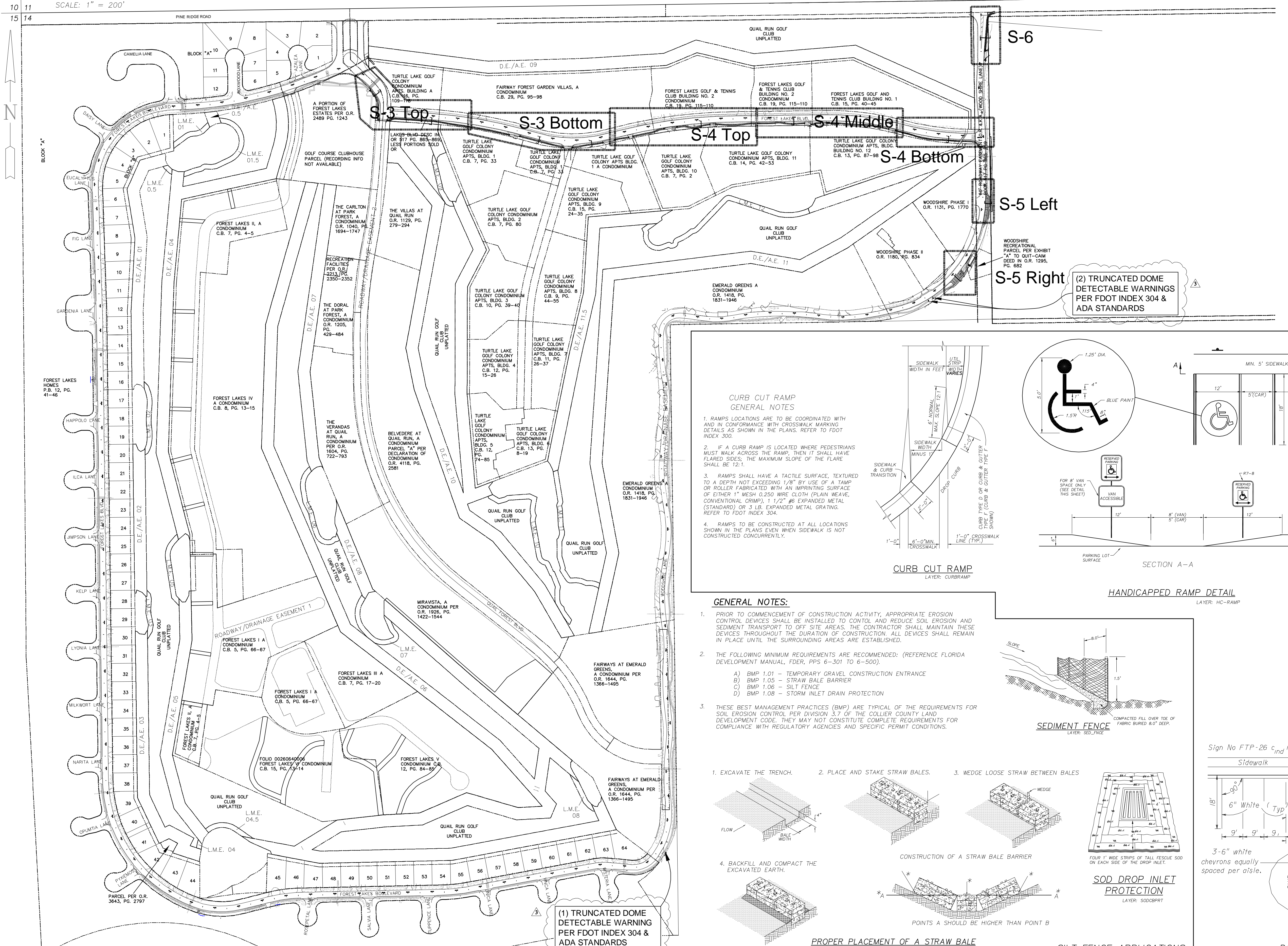
REVISION:  
1. 07/11/2012 REV. PER COMMENTS, ADD SHEET 6

ACAD FILE NAME:  
**10420me(ph-2)**  
ABB PROJECT #  
**09-0112**  
PLOT VIEW \ LAYOUT  
**cover-01**  
SHEET **1**  
OF **6**  
Acad File # **10420**



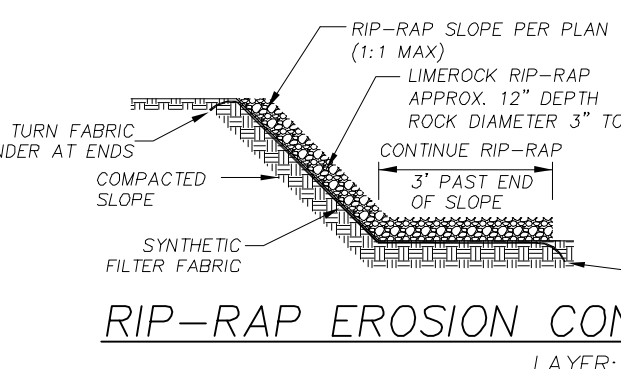
KEY MAP & EROSION CONTROL PLAN

PINE RIDGE ROAD



CONCRETE SIDEWALK

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

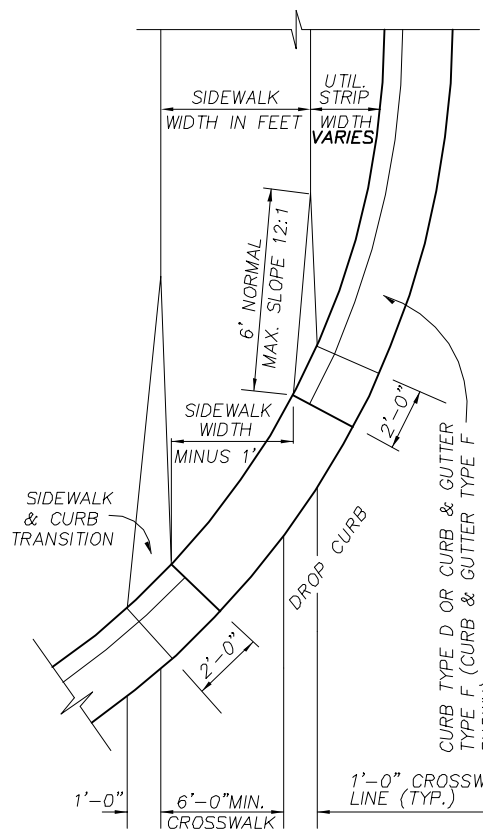


RIP-RAP EROSION CONTROL

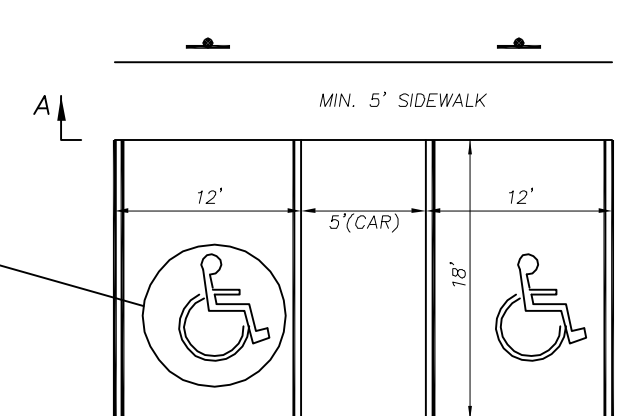
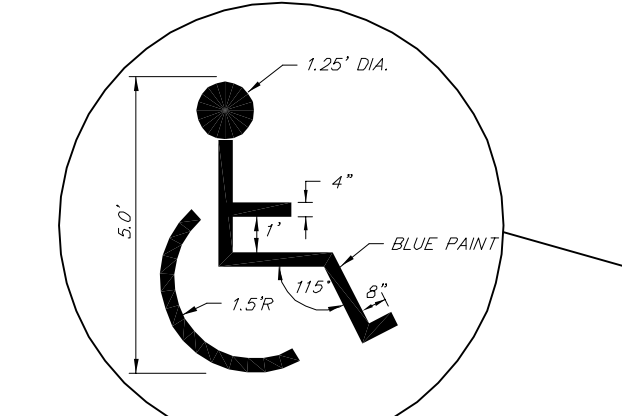
(2) TRUNCATED DOME DETECTABLE WARNINGS PER FOOT INDEX 304 & ADA STANDARDS

CURB CUT RAMP GENERAL NOTES

- 1. RAMP LOCATIONS ARE TO BE COORDINATED WITH AND IN CONFORMANCE WITH CROSSWALK MARKING DETAILS AS SHOWN IN THE PLANS. REFER TO FDOT INDEX 300.
2. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN IT SHALL HAVE FLARED SIDES, THE MAXIMUM SLOPE OF THE FLARE SHALL BE 12:1.
3. RAMP SHALL HAVE A TACTILE SURFACE, TEXTURED TO A DEPTH NOT EXCEEDING 1/8" BY USE OF A TAMP OR ROLLER FABRICATED WITH AN IMPRINTING SURFACE OF EITHER 1" MESH 0.250 WIRE CLOTH (PLAIN WEAVE, CONVENTIONAL CRIMP), 1 1/2" #6 EXPANDED METAL (STANDARD) OR 3 LB. EXPANDED METAL GRATING. REFER TO FDOT INDEX 304.
4. RAMP TO BE CONSTRUCTED AT ALL LOCATIONS SHOWN IN THE PLANS EVEN WHEN SIDEWALK IS NOT CONSTRUCTED CONCURRENTLY.



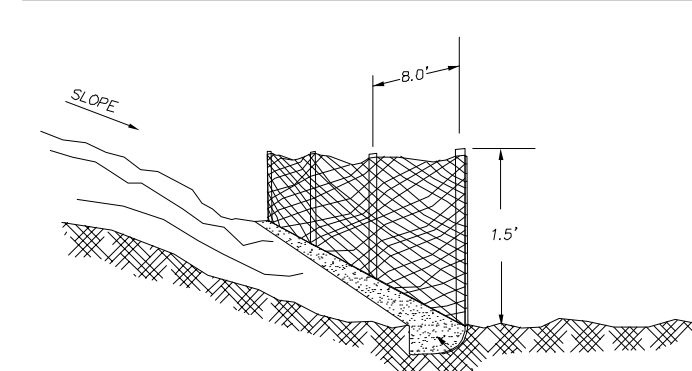
CURB CUT RAMP LAYER: CURBRAMP



HANDICAPPED RAMP DETAIL LAYER: HC-RAMP

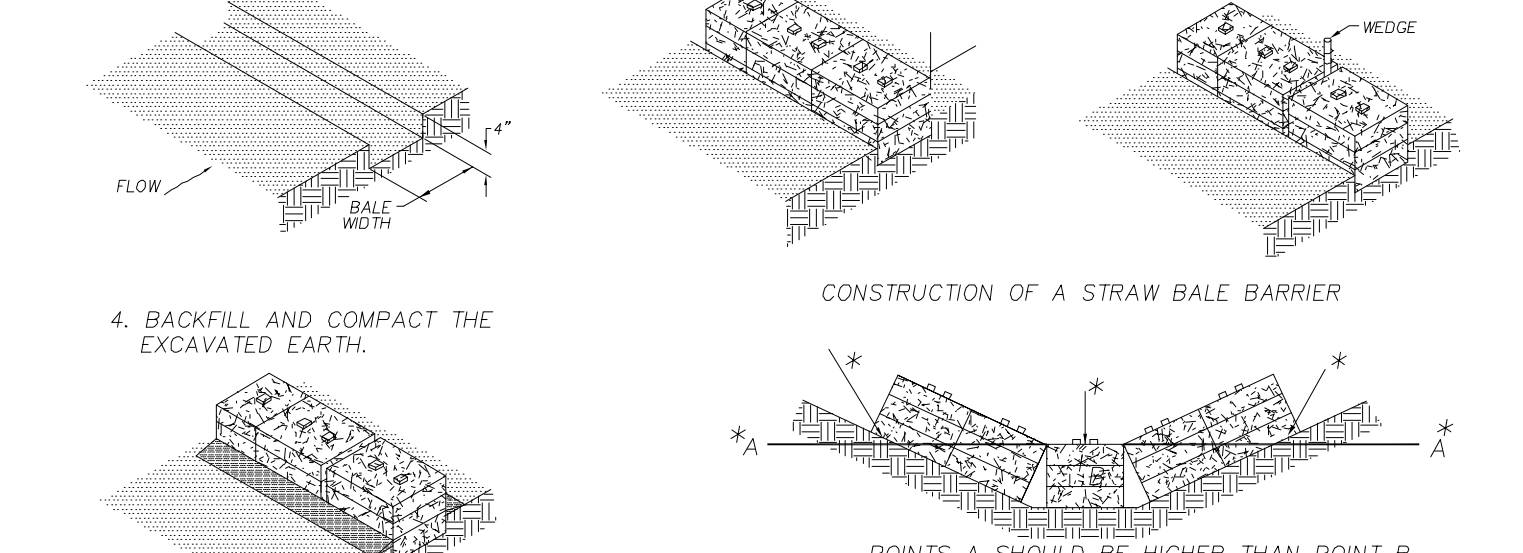
GENERAL NOTES:

- 1. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY, APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.
2. THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDOT, PPS 8-301 TO 6-500).
A) BMP 1.01 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
B) BMP 1.05 - STRAW BALE BARRIER
C) BMP 1.06 - SILT FENCE
D) BMP 1.08 - STORM INLET DRAIN PROTECTION
3. THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF THE REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.7 OF THE COLLIER COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.

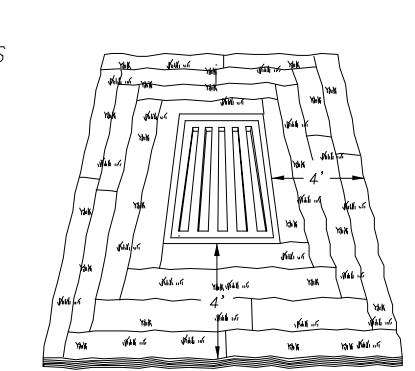


SEDIMENT FENCE LAYER: SEDFENCE

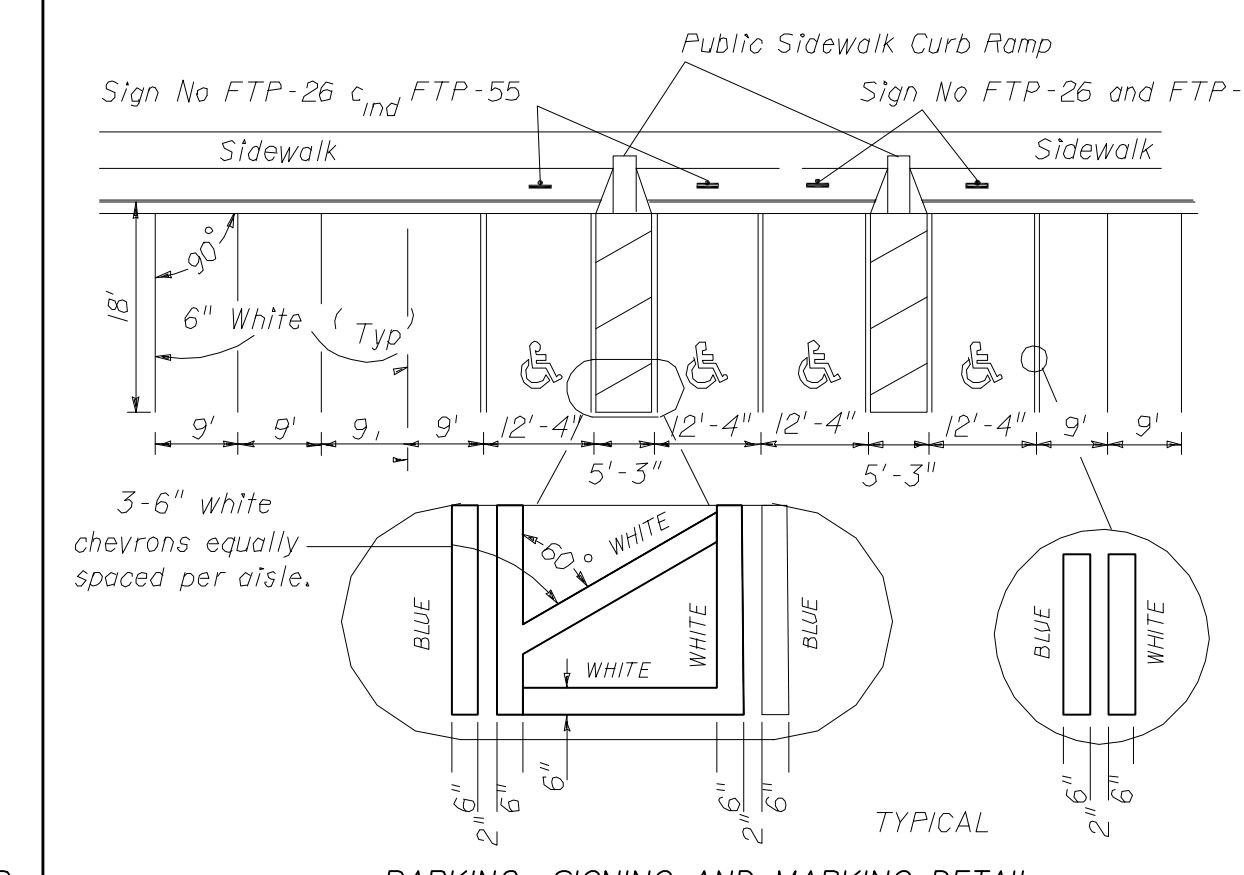
- 1. EXCAVATE THE TRENCH.
2. PLACE AND STAKE STRAW BALES.
3. WEDGE LOOSE STRAW BETWEEN BALES.



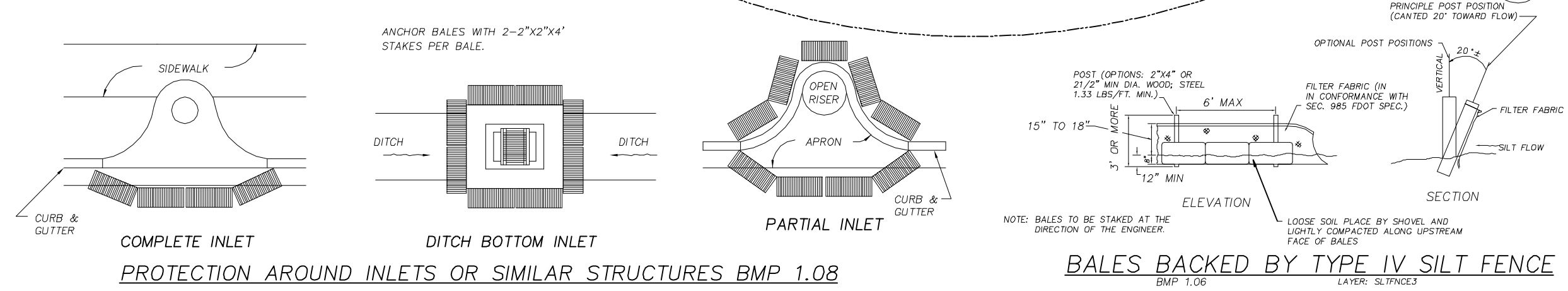
PROPER PLACEMENT OF A STRAW BALE BARRIER IN DRAINAGE WAY BMP 1.05 LAYER: STBL-BAR



SILT FENCE APPLICATIONS LAYER: SILTFENCE



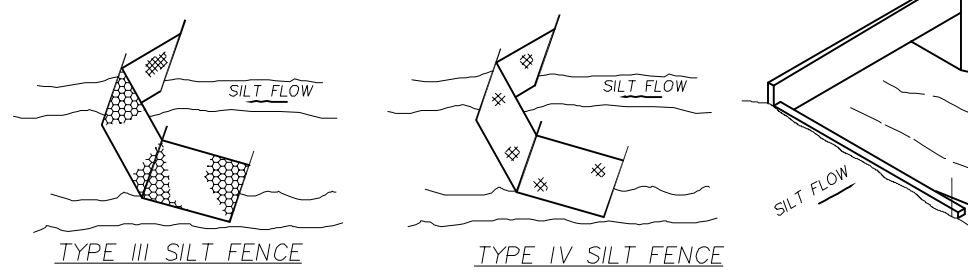
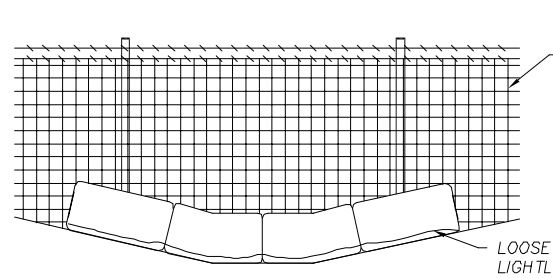
PARKING: SIGNING AND MARKING DETAIL



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES BMP 1.08

BALES BACKED BY TYPE IV SILT FENCE LAYER: SILTFENCE

BALES BACKED BY FENCE LAYER: FENCE\_BAL



TYPE III OR TYPE IV SILT FENCE DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UP-AND DOWN-STREAM LOCATIONS AND TURBOID BARRIERS USED AT PERMANENT BODIES OF WATER.



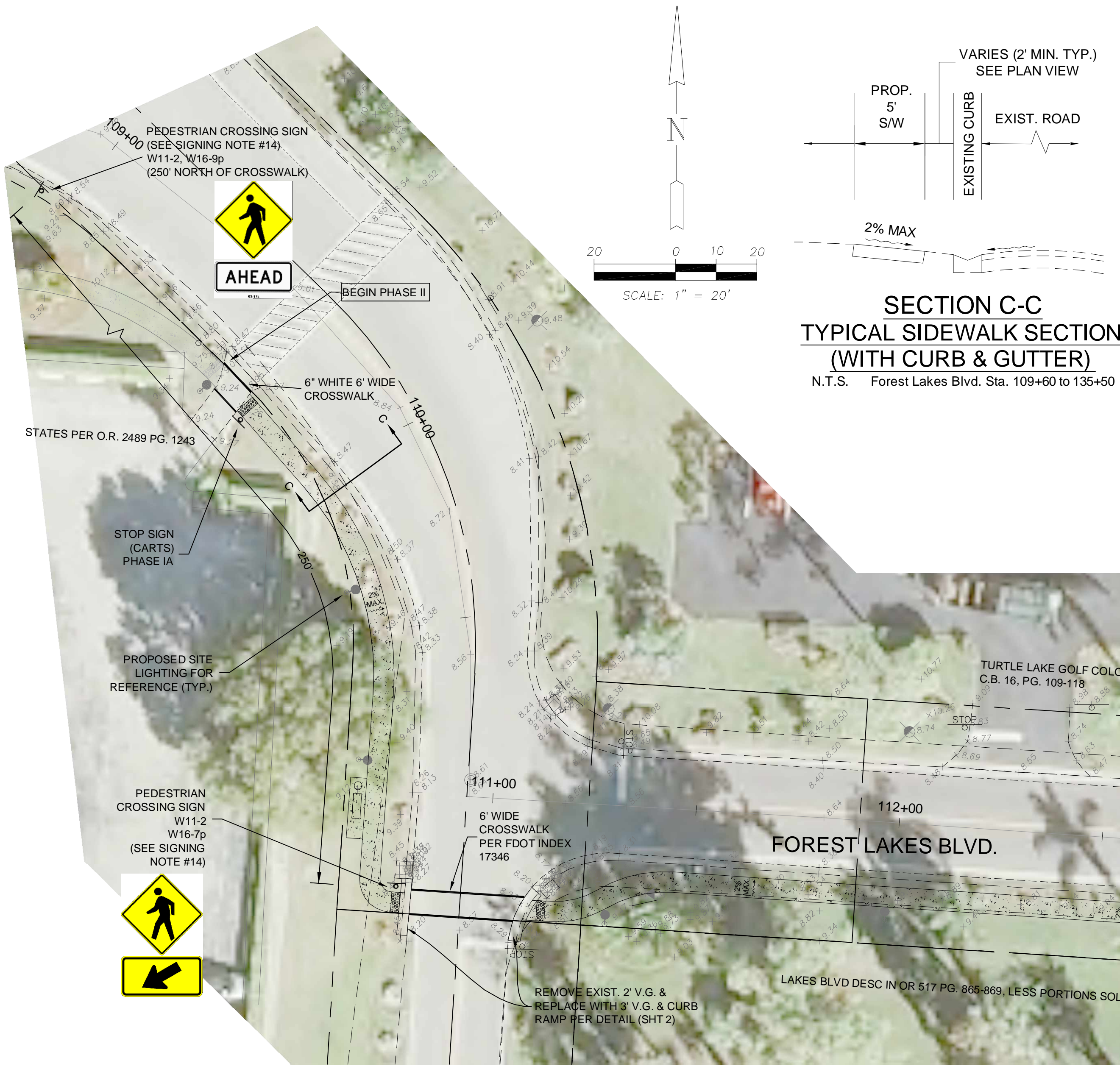
COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS
3301 EAST TAMAMI TRAIL
NAPLES, FL 34112

PROJECT NAME: FOREST LAKES MSTU BOND PROJECT F-58 (PH. II)
DRAWING TITLE: KEY SHEET, DETAILS, NOTES & EROSION CONTROL PLAN

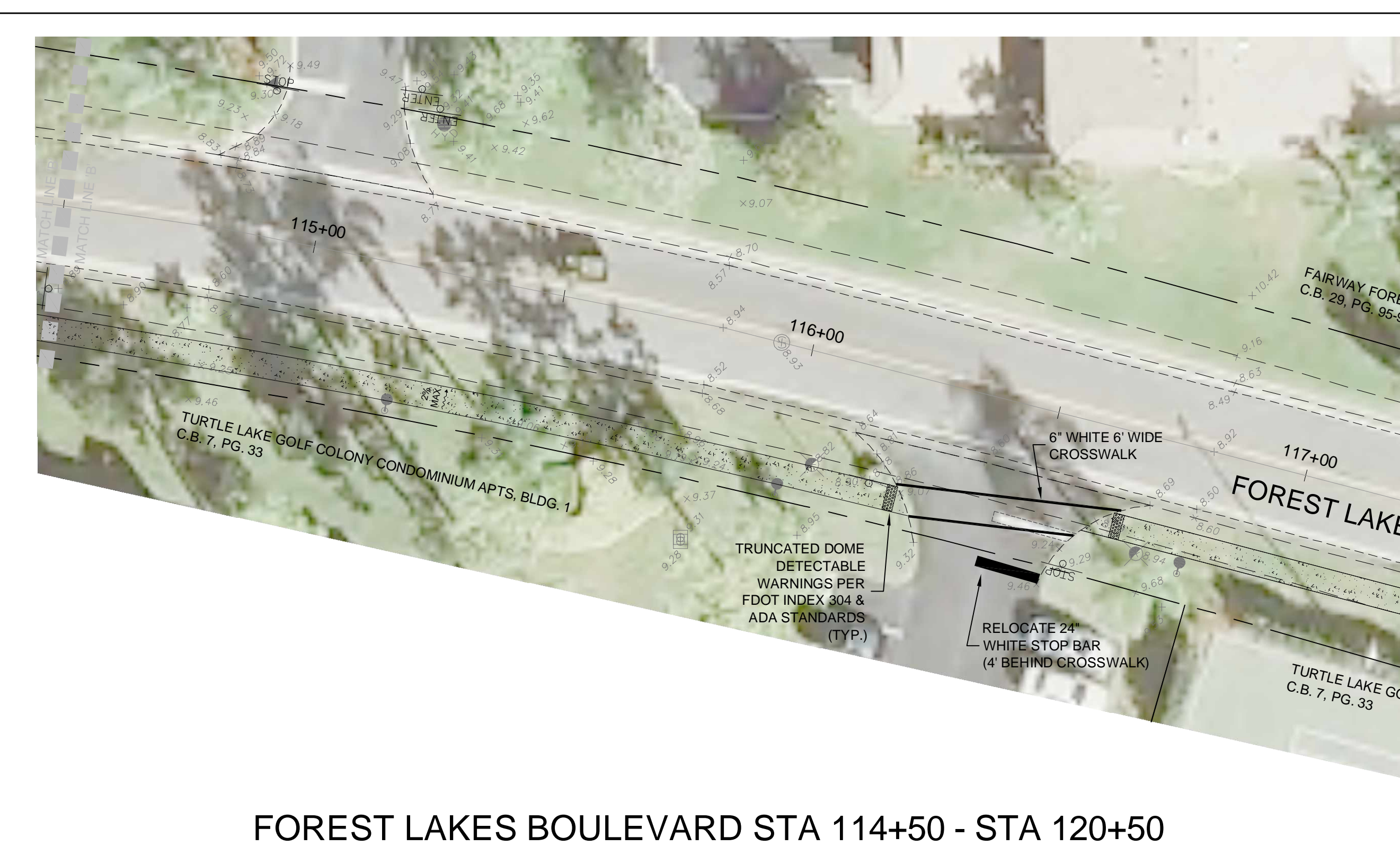
DESIGNED BY: ABB
DRAWN BY: RAF
CHECKED BY: JAC
REVIEWED BY: ABB
DATE: AUG 2011

Table with 2 columns: REVISION, COMMENTS. Contains revision history for the drawing.

ACAD FILE NAME: 10420me
ABB PROJECT #: 09-0112
PLOT VIEW \ LAYOUT: Key Sheet-02
SHEET 2 OF 6
Acad File #: 10420



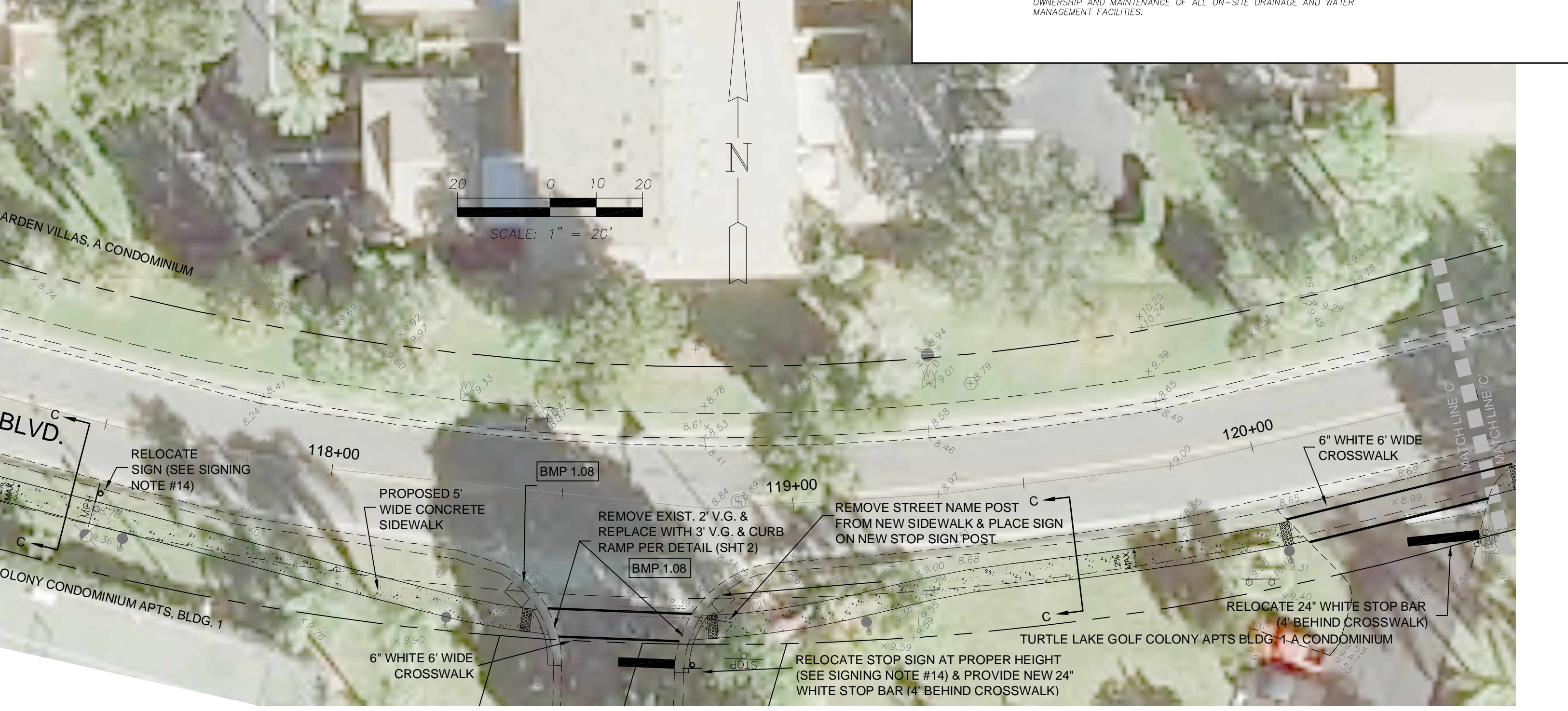
**SECTION C-C  
TYPICAL SIDEWALK SECTION  
(WITH CURB & GUTTER)**  
N.T.S. Forest Lakes Blvd. Sta. 109+60 to 135+50



**FOREST LAKES BOULEVARD STA 109+60 - STA 114+50**



**FOREST LAKES BOULEVARD STA 114+50 - STA 120+50**



**FOREST LAKES BOULEVARD STA 120+50 - STA 135+50**

- 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 2010 EDITION OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (AS AMENDED BY THE CONTRACT SPECIFICATIONS) AND THE 2010 EDITION OF "THE FOOT 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 FOOT INDEX NO. 17346 AND 2009 MUTCD.
  5. PLACEMENT OF RPMs SHALL BE IN ACCORDANCE WITH FOOT INDEX NO. 17352 AND 2009 MUTCD.
  6. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH FOOT INDEX NO. 17302 AND 2009 MUTCD.
  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. 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.
  11. ANY EXISTING SIGNS ON THE RIGHT OF WAY WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
  12. 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.
  13. ANY EXISTING PAVEMENT MARKINGS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
  14. ALL EXISTING, RELOCATED AND PROPOSED TRAFFIC SIGNS IN THE RIGHT OF WAY (SUCH AS STOP SIGNS, SPEED LIMIT, WARNING AND INFORMATIONAL SIGNS) WILL BE REPLACED WITH NEW SIGN POSTS AND SIGNS. ALL SIGNS SHALL BE INSTALLED ON THE NEW POSTS IN ACCORDANCE WITH MUTCD 2009 STANDARDS. REFER TO SIDEWALK SIGNAGE PLANS BY WINDHAM STUDIO, INC. FOR DETAILS.

- 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 CONTROL 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 2010 INDEX NO. 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 "M.O.T., MAINTENANCE OF TRAFFIC, THE T.C.P. SHALL BE PREPARED BY AN INDIVIDUAL WITH THE REVISED FOOT "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. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET DURING CONSTRUCTION.
  6. THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS IN SUCH A WAY THAT WILL MAINTAIN EXISTING ACCESS TO ALL SIDE STREETS AND DRIVEWAYS AT ALL TIMES.

- 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 ANY REQUIRED RELOCATIONS. THE LIST WHICH FOLLOWS IS NOT ALL INCLUSIVE:  
**UTILITY COMPANIES**  
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) 262-6291  
FLORIDA POWER & LIGHT COMPANY (239) 353-6048  
CENTURY LINK (FORMERLY EMBARR) (DEB CORBAN) (239) 263-6214  
SUNSHINE STATE ONE-CALL CENTER (239) 416-4733  
CONCAST CABLE (MARK COOK) (239) 416-4733  
**EMERGENCY PHONE NO.:**  
(239) 262-6291  
(239) 353-6048  
(239) 263-6214  
(239) 416-4733
  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 COMPLETED IMMEDIATELY.
  5. THE CONTRACTOR SHALL COMPLY WITH STANDARDS SET FORTH IN COLLIER COUNTY ORDINANCE 82-91 (CONSTRUCTION IN PUBLIC RIGHTS-OF-WAY) AND CITY OF NAPLES UTILITY STANDARDS.
  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 DEVIATION.
  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 LANDSCAPING AND PRIVATE SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND/OR RELOCATED BY THE CONTRACTOR AS SHOWN ON THE PLANS OR 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 2010.
  16. ALL CURB AND GUTTER RADI SHOW ARE TO THE EDGE OF PAVEMENT.
  17. 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.
  18. ALL WORK SHALL BE DONE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2010 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AS AMENDED BY COLLIER COUNTY CONTRACT DOCUMENTS.
  19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
  20. 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 SUMMARY OF ROADWAY PAY ITEMS, NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
  21. 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.
  22. WHERE SIDEWALK TERMINATES AT THE EDGE OF THE PAVEMENT, A CURB OUT RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH FOOT STANDARD INDEX NO. 304.
  23. ALL HANDICAP PARKING, RAMP, SIGNING AND STRIPING SHALL COMPLY WITH THE MOST RECENT ACCESSIBILITY REQUIREMENTS MANUAL BY THE DEPARTMENT OF COMMUNITY AFFAIRS, FLORIDA BOARD OF BUILDING CODES AND STANDARDS.
  24. CONFLICTS WITH LANDSCAPE IRRIGATION LINES SHALL BE PLACED IN SLEEVES AND RELOCATED BELOW INSTALLED SUB-GRADE. IRRIGATION HEADS SHALL BE RELOCATED OR ADDED AS NECESSARY BY CONTRACTOR FOR COVERAGE TO REFLECT INSTALLATION OF THE NEW DRIVEWAY OR SIDEWALK.
  25. NO DE-WATERING IS ALLOWED. THE CONTRACTOR IS REQUIRED TO APPLY FOR A DE-WATERING PERMIT WITH THE S.F.M.M.S. SHOULD HE WISH TO USE DE-WATERING TO CONSTRUCT THE FACILITIES.
  26. THE REVIEW AND APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD.
  27. ALL SIDEWALKS SHALL BE CONSTRUCTED TO ADA STANDARDS WITH 2% MAXIMUM CROSS SLOPES AND 0% MAXIMUM SLOPES IN DIRECTION OF TRAVEL. DETECTABLE WARNING TRUNCATED DOMES SHALL BE INSTALLED AT ALL ROAD CROSSINGS AS SHOWN PER FOOT INDEX 304.
  28. ALL SHALES AND RETENTION AREAS TO BE SODDED WITHIN SEVEN DAYS OF FINAL GRADING.
  29. ALL FINAL DRAINAGE STRUCTURE LOCATIONS TO BE APPROVED IN THE FIELD BY THE ENGINEER.
  30. REFERENCE FOOT INDEX #272 FOR MITERED END DETAIL.
  31. MAILBOXES TO BE RELOCATED SHALL BE PLACED AT HEIGHTS AND ROAD SETBACKS IN ACCORDANCE WITH U.S. POST OFFICE STANDARDS.
  32. THE OPERATING ENTITY OF FOREST LAKES SHALL BE RESPONSIBLE FOR OWNERSHIP AND MAINTENANCE OF ALL ON-SITE DRAINAGE AND WATER MANAGEMENT FACILITIES.

**GNOLI BARBER & BRUNDAGE, Inc.**  
Professional engineers, planners, & land surveyors  
Certificate of Authorization No. LB 3664 and EB 3664  
Collier County  
7400 Tamiami Trail, North, Suite 200  
Naples, FL 34108  
Phone: (239) 469-9111  
Fax: (239) 566-2203

**CLIENT NAME:**  
COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS  
3301 EAST TAMAMI TRAIL  
NAPLES, FL 34112

**PROJECT NAME:**  
FOREST LAKES MSTU  
BOND PROJECT F-58 (PH. II)

**DRAWING TITLE:**  
SITE PLAN (I) AND GENERAL NOTES

**DESIGNED BY:** ABB  
**DRAWN BY:** RAF  
**CHECKED BY:** JAC  
**REVIEWED BY:** ABB

**HORIZ. SCALE:** 1" = 20'  
**VERT. SCALE:** NA

**DATE:** AUG 2011

**ACAD FILE NAME:**  
10420me(ph-2)

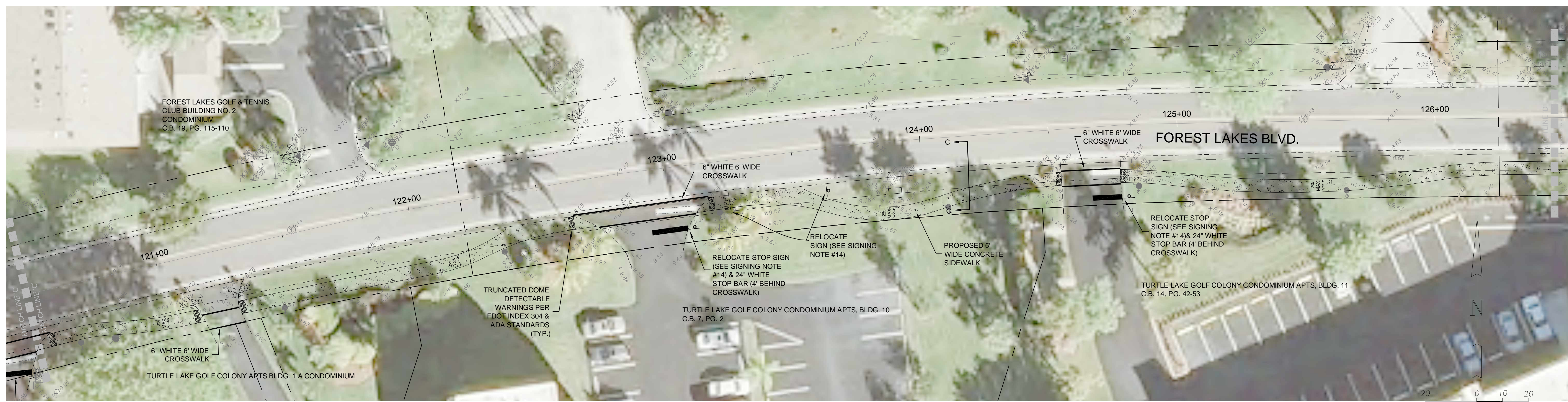
**ABB PROJECT #**  
09-0112

**PLOT VIEW \ LAYOUT**  
Site(1)-03

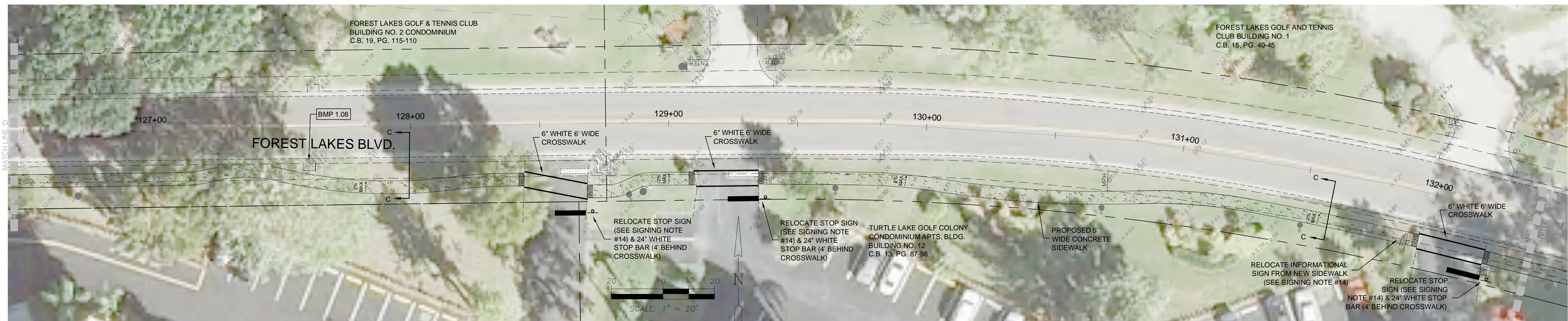
**SHEET**  
3  
**OF**  
6

**Acad File #**  
10420

**REVISION:**  
A, 08-30-2012 REVISED PER COMMENTS



FOREST LAKES BOULEVARD STA 120+50 - STA 126+50



FOREST LAKES BOULEVARD STA 126+50 - STA 132+40



FOREST LAKES BOULEVARD STA 132+40 - STA 135+81.90

**GNOLI BARBER & BRUNDAGE, INC.**  
 Professional engineers, planners, & land surveyors  
 Certificate of Authorization No. LB 3664 and EB 3664  
 Collier County  
 7400 Tamiami Trail, North, Suite 200  
 Naples, FL 34108  
 Phone: (239)957-3111  
 Fax: (239)956-2203

CLIENT NAME:  
**COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS**  
**3301 EAST TAMAMI TRAIL**  
**NAPLES, FL 34112**

PROJECT NAME:  
**FOREST LAKES MSTU BOND PROJECT F-58 (PH. II)**

DRAWING TITLE:  
**SITE PLAN (2)**

DESIGNED BY: ABB  
 DRAWN BY: RAF  
 CHECKED BY: JAC  
 REVIEWED BY: ABB

HORIZ. SCALE: 1" = 20'  
 VERT. SCALE: NA

DATE: AUG 2011

REVISION:  
 2.08-30-2012 REVISED PER COMMENTS

ACAD FILE NAME:

10420me(ph-2)

ABB PROJECT #  
 09-0112

PLOT VIEW \ LAYOUT  
 Site(2)-04

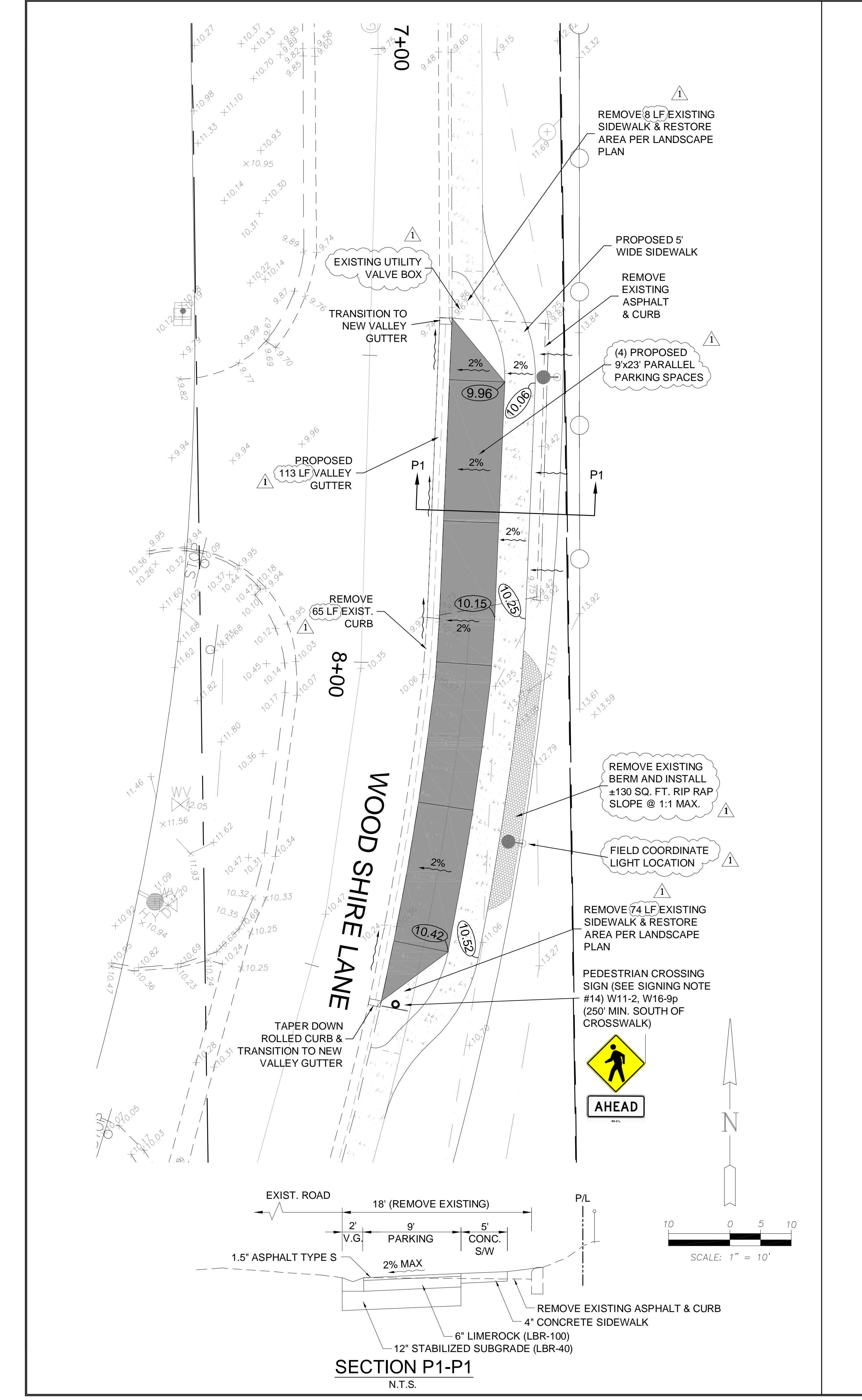
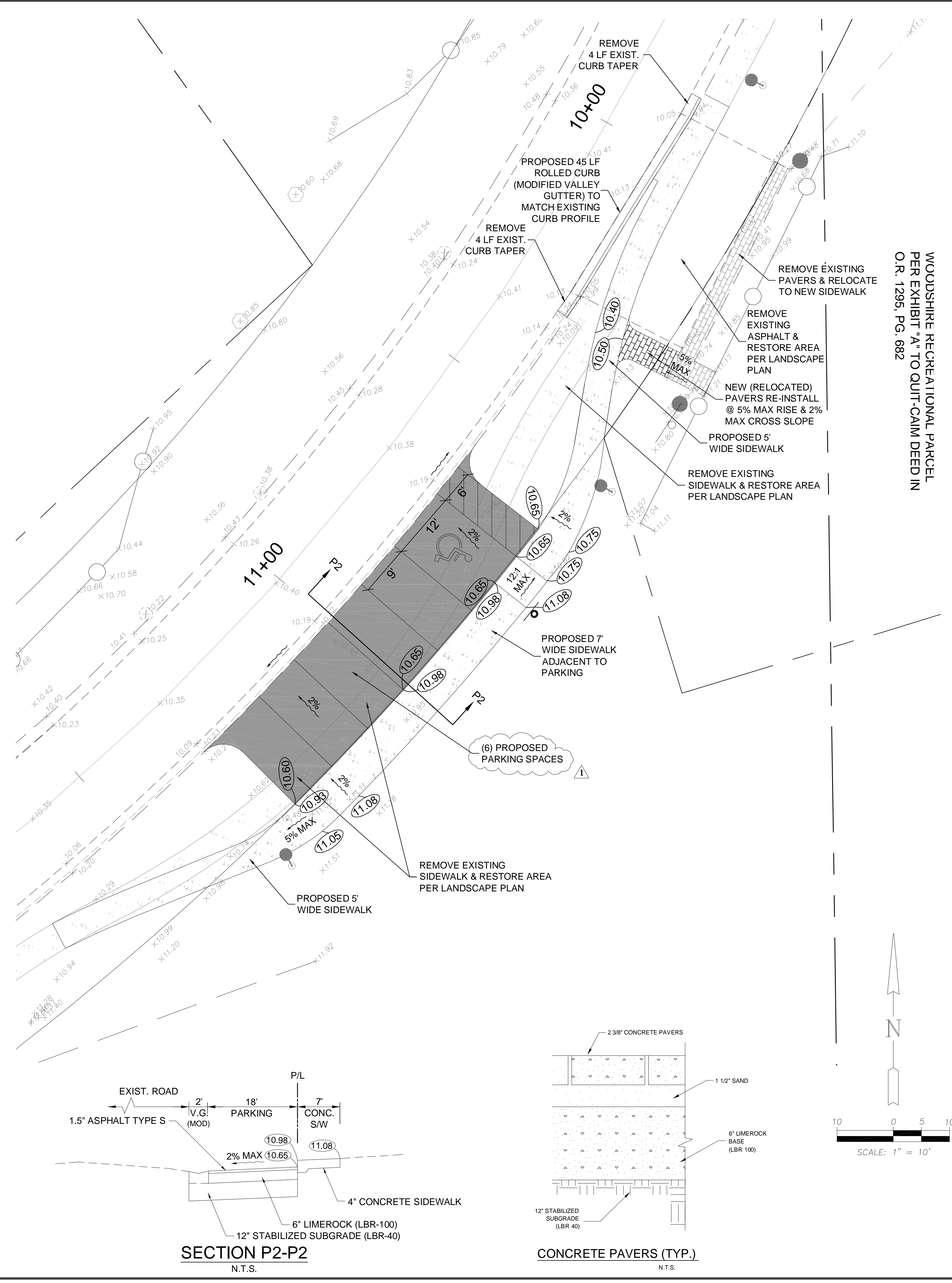
SHEET 4  
 OF 6

Acad File # 10420

**SECTION C-C**  
**TYPICAL SIDEWALK SECTION**  
**(WITH CURB & GUTTER)**  
 N.T.S. Forest Lakes Blvd. Sta. 109+60 to 135+50

REVISION	DATE	DESCRIPTION
1	12-19-2011	REVISE PARKING & ELEVATIONS
2	09-20-2012	REVISED PER COMMENTS

WOODSHIRE RECREATIONAL PARCEL  
 PER EXHIBIT "A" TO QUIT-CAM DEED IN  
 O.R. 1295, PG. 682



**SECTION P1-P1**  
 N.T.S.

**SECTION P2-P2**  
 N.T.S.

**CONCRETE PAVERS (TYP.)**  
 N.T.S.

PINE RIDGE ROAD

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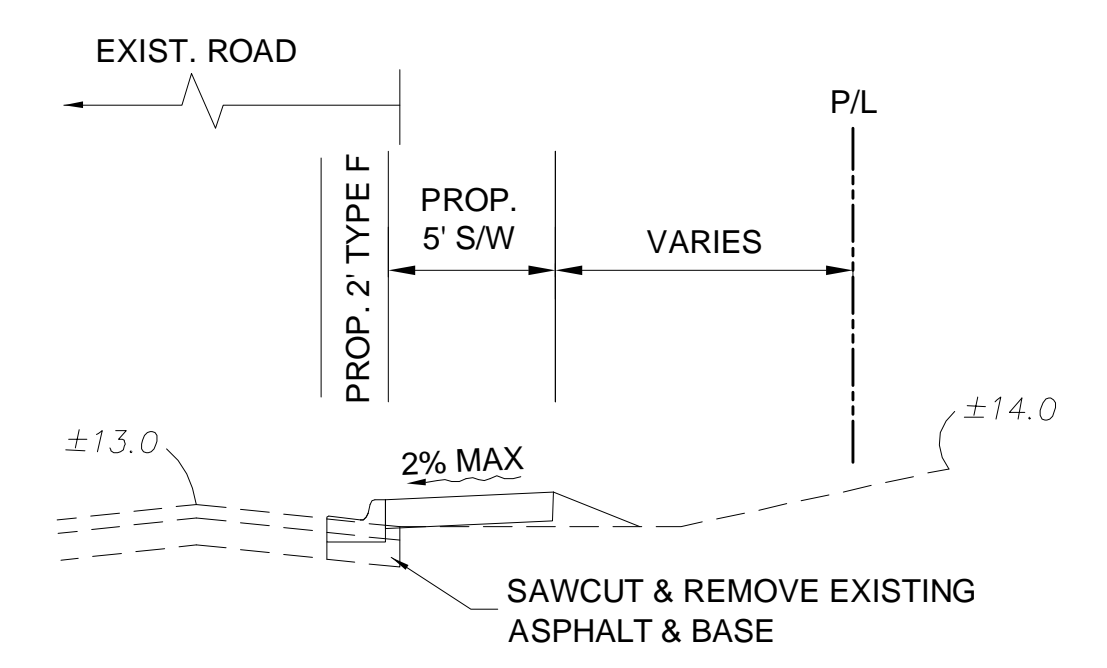
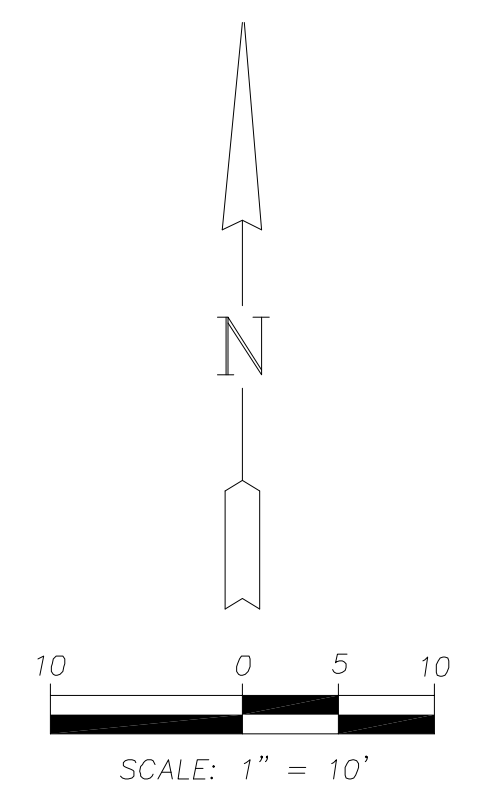
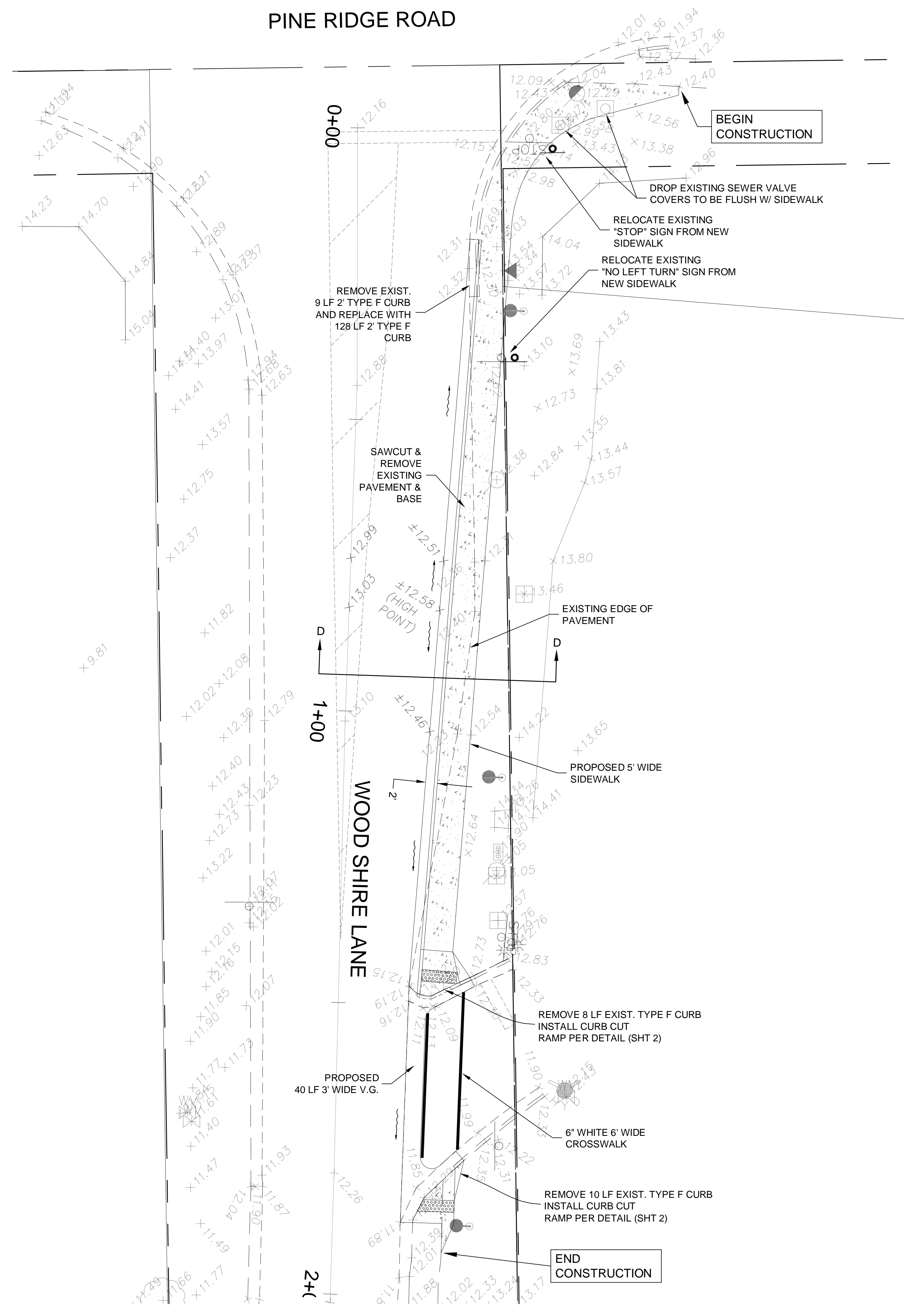
CLIENT NAME:  
**COLLIER COUNTY BOARD OF COUNTY COMMISSIONERS**  
**3301 EAST TAMiami TRAIL**  
**NAPLES, FL 34112**

PROJECT NAME:  
**FOREST LAKES MSTU BOND PROJECT F-58 (PH. II)**  
 DRAWING TITLE:  
**SITE PLAN (4) PINE RIDGE ROAD / WOODSHIRE LANE ENTRANCE**

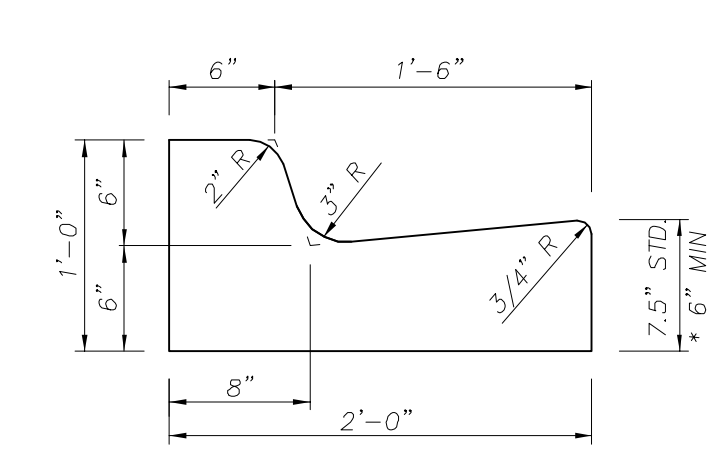
DESIGNED BY: ABB  
 DRAWN BY: RAF  
 CHECKED BY: JAC  
 REVIEWED BY: ABB  
 HORIZ. SCALE: 1" = 10'  
 VERT. SCALE: NA  
 DATE: SEP 2011

REVISION	DATE	DESCRIPTION
1	09-12-11	REVISED PARKING & ELEVATIONS
2	09-11-11	REVISED PARKING & ELEVATIONS
3	09-11-11	REVISED PARKING & ELEVATIONS
4	09-11-11	REVISED PARKING & ELEVATIONS
5	09-11-11	REVISED PARKING & ELEVATIONS
6	09-11-11	REVISED PARKING & ELEVATIONS
7	09-11-11	REVISED PARKING & ELEVATIONS
8	09-11-11	REVISED PARKING & ELEVATIONS
9	09-11-11	REVISED PARKING & ELEVATIONS
10	09-11-11	REVISED PARKING & ELEVATIONS
11	09-11-11	REVISED PARKING & ELEVATIONS
12	09-11-11	REVISED PARKING & ELEVATIONS
13	09-11-11	REVISED PARKING & ELEVATIONS
14	09-11-11	REVISED PARKING & ELEVATIONS
15	09-11-11	REVISED PARKING & ELEVATIONS
16	09-11-11	REVISED PARKING & ELEVATIONS
17	09-11-11	REVISED PARKING & ELEVATIONS
18	09-11-11	REVISED PARKING & ELEVATIONS
19	09-11-11	REVISED PARKING & ELEVATIONS
20	09-11-11	REVISED PARKING & ELEVATIONS

ACAD FILE NAME:  
**10420me(ph-2)**  
 ABB PROJECT #  
**09-0112**  
 PLOT VIEW \ LAYOUT  
**Site(4)-06**  
**SHEET 6 OF 6**  
 Acad File #  
**10420**

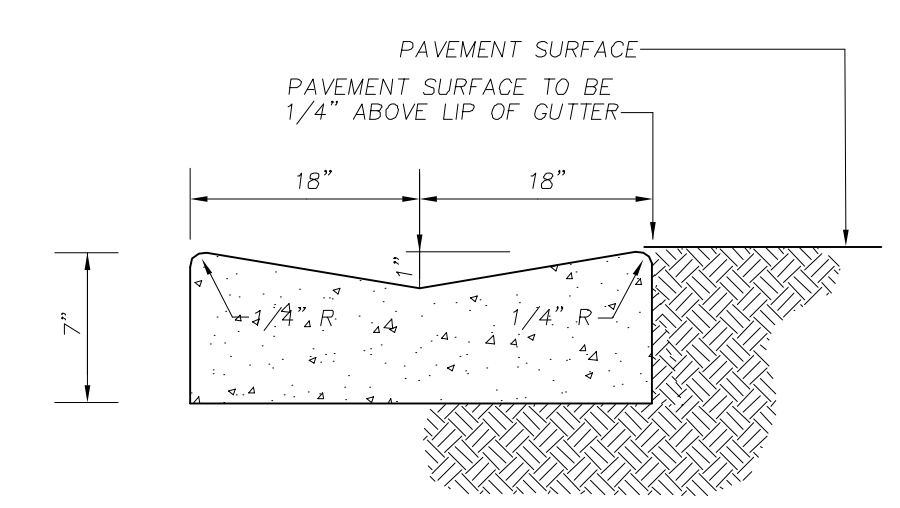


**SECTION D-D**  
 N.T.S.



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

- 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.



**36" CONCRETE VALLEY GUTTER**  
 N.T.S.