

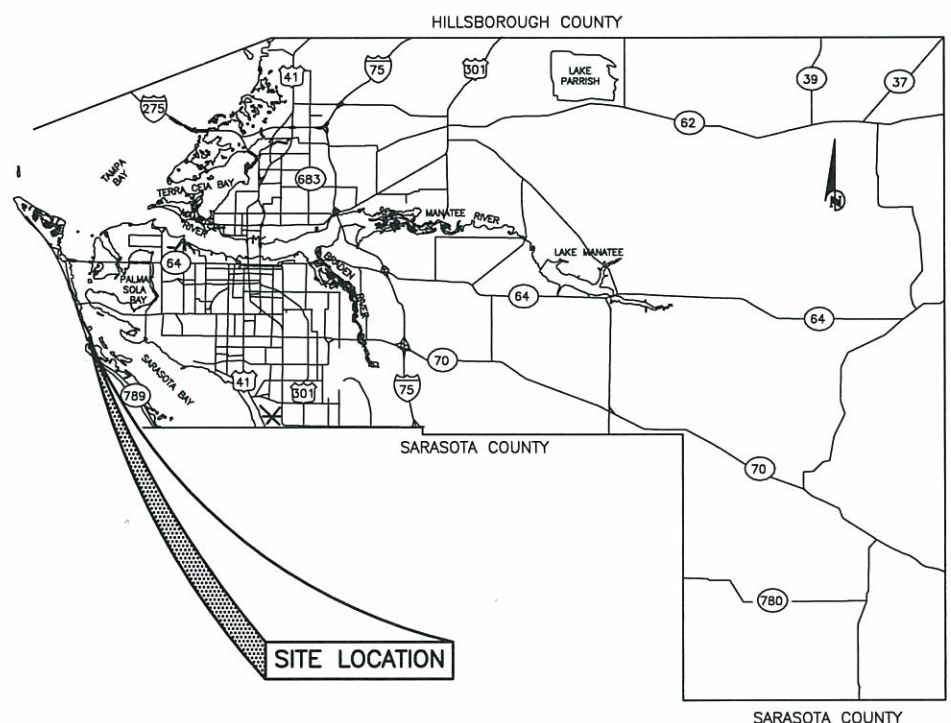


**100% LAP  
AGREEMENT**

## SITE DATA

PROPOSED CONDITIONS:

TOTAL IMPERVIOUS AREA (PAVEMENT)=	8946 SF.
PERVIOUS AREA (#57 STONE)=	2882 SF.
PERVIOUS RETENTION AREA (#3 STONE)=	2030 SF.
ADDITIONAL PERVIOUS AREA (SAND)=	427 SF.



## SITE LOCATION

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW TO SUNNY FU, PHD, PE, 1022 26TH AVE E.,  
BRADENTON, FLORIDA 34208

NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	QUANTITY SHEET
3.	GENERAL NOTES SHEET 1
4.	GENERAL NOTES & LEGEND SHEET 2
5.	BOUNDARY AND TOPOGRAPHIC SURVEY
6.	SITE PLAN
7.	HORIZONTAL AND VERTICAL CONTROL
8.	TYPICAL SECTION AND BMP DETAILS
9.	PAVING, GRADING AND EROSION CONTROL PLAN
10.	PLAN & PROFILE

DATE							
BY							
REVISION DESCRIPTION							
NO.							
PROJECT #		436-0012008					
SURVEY #		000					
SEC./TWN./RGE		00/00S/00E					
SCALE		N.T.S.					
	BY	DATE					
SURVEYED	-----	00/00/					
DESIGNED	SF	10/20/					
DRAWN	MRJ	10/25/					
CHECKED	SF	10/25/					

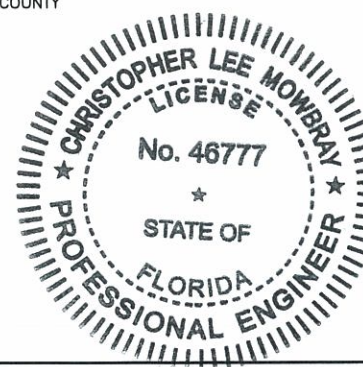
Signature &amp; Date

**COQUINA BEACH  
BUS/TROLLEY STOP  
COVER SHEET**



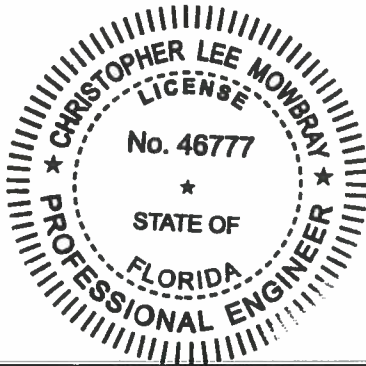
Know what's below  
Call before you dig

SHEET 1 OF 10

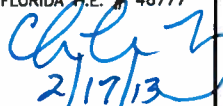


COQUINA BEACH  
BUS/TROLLEY STOP  
QUANTITY SHEET

ITEM NO.	FDOT. ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
		TOTAL PROJECT		
		ROADWAY & BRIDGE		
1	101-1	MOBILIZATION	LS	1.00
2	102-1	MAINTENANCE OF TRAFFIC	LS	1.00
3	104-10-3	SEDIMENT BARRIER (INC. SILT FENCE)	LF	484.00
4	110-1-1	CLEARING & GRUBBING	LS	1.00
5	120-1	REGULAR EXCAVATION	CY	325.00
6	120-4	SUBSOIL EXCAVATION	CY	64.00
7	120-6	EMBANKMENT (BEACH COMPACTABLE SAND)	CY	90.00
8	120-72	4" AGGREGATE (# 3 STONE, GRAVEL)	CY	27.00
9	120-72	18" AGGREGATE (# 57 STONE)	CY	165.00
10	210-1-1	REWORKING EXISTING BASE	SY	1000.00
11	334-1-12	2.5" SP 12.5, TRAFFIC B	TN	138.00
12	519-78	REMOVE AND REINSTALL BOLLARDS	EA	32.00
13	519-78	INSTALL NEW BOLLARDS	EA	10.00
14	514-71-1	NON-WOVEN GEOTEXTILE	SY	655.00
		SUBTOTAL ROADWAY		
		SIGNAGE & PAVEMENT MARKINGS		
15	550-60-124	REMOVE AND REINSTALL EXISTING GATE, DOUBLE	EA	2.00
16	700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	1.00
		SUBTOTAL SIGNAGE & PAVEMENT MARKINGS		



DATE					
BY					
REVISION DESCRIPTION					
NO.					
PROJECT #	438-00120088				
SURVEY #	000				
SEC./TWN./RGE	00/00S/00E				
SCALE	N.T.S.				
	BY	DATE			
SURVEYED	----	00/00/00			
DESIGNED	SF	10/20/11			
DRAWN	MRJ	10/28/11			
CHECKED	SF	10/28/11			

C. MOWBRAY P.E.  
FLORIDA P.E. # 46777  
  
2/17/13  
Signature & Date  
SHEET 2 OF 10



s:\pwd\_engineering\_shore\highway engineering\PROJECTS\coquina beach bus trolley area\DWG\P-Design\_Coq\_Bus.dwg,GNL 1 Trans, 2/21/2013 2:22 PM Thom Forrester, 1:1, Tabloid (11 x 17")

- ## SAFETY

- ENVIRONMENTAL

- RIGHT-OF-WAY

- ## UTILITIES

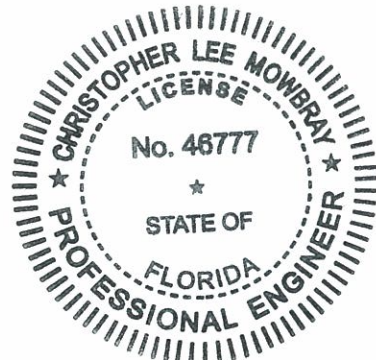
- BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ALL RELATED COSTS.
- EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.
- CONTRACTOR SHALL MEET ALL APPLICABLE OSHA SAFETY REQUIREMENTS (SEPARATION SHALL FOLLOW FDOT/FPL GUIDELINES). ANY COST ASSOCIATED WITH THIS TYPE OF EQUIPMENT REQUIRED FOR THIS INSTALLATION IS INCLUDED IN THE RELATED PAY ITEMS. PLEASE REFER TO THE SPECIAL CONDITIONS IN THE UTILITY WORK SCHEDULE AND UTILITY COORDINATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES FOR THE RELOCATION AND ADJUSTMENT OF ALL UTILITIES, INCLUDING, ANY EXISTING POWER POLES AND/OR UTILITY CONDUITS WITHIN RIGHT-OF-WAY.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE APPROPRIATE PARTIES TO DETERMINE THE COUNTY'S FIBER COMMUNICATION NETWORK, KNOWN AS ATMS (COUNTY ISD, SCHOOL BOARD, AND TRAFFIC MANAGEMENT CENTER) IN THE AREA TO ACCOMMODATE ANY POTENTIAL CONFLICTS. AS-BUILT INFORMATION FOR EXISTING COMMUNICATION CONDUIT AND FIBER IS AVAILABLE FROM OLGA ROSIER, WITH UTILITY RECORDS (941-792-8811 EXT. 5059). CONSTRUCTION PLAN INFORMATION FOR PROJECTS UNDER CONSTRUCTION WITH THE COUNTY'S TRAFFIC MANAGEMENT CENTER ARE AVAILABLE AT [WWW.MANATEEATMS.COM](http://WWW.MANATEEATMS.COM) AND [WWW.MANATEEATMS2.COM](http://WWW.MANATEEATMS2.COM).



33. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.

37. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.

38. ALL FILL AREAS ARE TO BE CONSTRUCTED IN 12" MAXIMUM LIFTS.

39. STATION LOCATIONS AND OFFSETS FOR STORM DRAIN INLETS AND MANHOLES REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. STATION LOCATION IS CENTER OF STRUCTURE BOTTOM FOR JUNCTION BOXES, CENTER OF RISER FOR CURB INLETS. FOR PIPES WITH MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MITERED END SECTION. AS SPECIFIED BY DIMENSION "F" AS SHOWN IN FDOT INDEX 272 AND 273. PAYMENT SHALL BE FROM INSIDE STRUCTURE WALL TO INSIDE STRUCTURE WALL. ANY EXTRA PIPE LENGTH LISTED SHALL BE CONSIDERED CONTINGENT.



MANATEE COUNTY, FLORIDA PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES	
	
1022 26th Avenue East Bradenton, FL 34208	
<h1 style="margin: 0;">COQUINA BEACH BUS/TROLLEY STOP</h1> <h2 style="margin: 0;">GENERAL NOTES &amp; LEGEND SHEET 1</h2>	
NO.	DATE
PROJECT #	436-0012008B
SURVEY #	000
SEC./TWN./RGE	00/00S/00E
SCALE	N.T.S.
	BY DATE
SURVEYED	----- 00/00/00
DESIGNED	SF 10/20/11
DRAWN	MRJ 10/27/11
CHECKED	SF 10/27/11
C. MOWBRAY P.E.	
FLORIDA P.E. # 46777	
 Signature & Date	
SHEET 3 OF 10	



s:\pww\_engineering\shore\highway engineering\PROJECTS\coquina beach bus trolley area\DWG\DWG\_P-Design\_Coq\_Bus.dwg, 2 Tons, 2/21/2013 2:22 PM Thom Forrester, 1:1, Tabbed (11 x 17)

RESTORATION

42. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
43. ALL DISTURBED GRASSED AREAS SHALL BE SODDED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER. ALL EXISTING SHRUBS, TREES, PLANTINGS AND OTHER VEGETATION, OUTSIDE OF RIGHT-OF-WAY DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT MATERIAL BY THE CONTRACTOR AT NO ADDITIONAL COST.
44. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING.
45. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

CONSTRUCTION

46. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFELS POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
47. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEEPED DAILY AS PART OF DAILY CLEAN UP.
48. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
49. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
50. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
51. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
52. ALL CONCRETE AND REBAR PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
53. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS.
54. WHERE EXCAVATION IS REQUIRED FOR CONSTRUCTION OF SIDEWALK, ALL STUMPS, ROOTS, ETC. SHALL BE REMOVED COMPLETELY FROM THE SIDEWALK AREA. ALL STUMPS WITHIN THE PROJECT LIMITS SHALL BE REMOVED COMPLETELY AND REPLACED WITH COMPACTED BACKFILL BEFORE THE AREA IS FILLED. TREE ROOTS IN AREA OF PROPOSED SIDEWALK, RAMP, OR DRIVEWAY REPLACEMENT SHALL BE GROUND OUT TO A DEPTH OF 6" BELOW BOTTOM OF NEW SIDEWALK OR DRIVEWAY. ALL PRUNED ROOT DEBRIS SHALL BE REMOVED FROM THE SUB-BASE MATERIAL PRIOR TO POURING CONCRETE, ASPHALT, OR APPLICATION OF OTHER SPECIFIED MATERIALS. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
55. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1-FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
56. ALL MATERIALS NOT CLAIMED BY THE ENGINEER, SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID UNDER THE PAY ITEM CLEARING AND GRUBBING.
57. THE CONTRACTOR SHALL DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION WILL BE LEFT OVERNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR SIDEWALK.THE INTENT OF THIS PROVISION IS TO "SAFE-UP" THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING, AND REMOVAL OF DEBRIS.
58. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
59. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
60. ALL EXISTING SWALES NOT DESIGNATED FOR RECONSTRUCTION SHALL BE REGRADED TO PROMOTE POSITIVE DRAINAGE AND MATCH PROPOSED CENTERLINE SWALE ELEVATION AND ALIGNMENT.
61. ALL STORM DRAINS AND STRUCTURES TO REMAIN SHALL BE CLEANED OF DEBRIS, DIRT, VEGETATION AND OTHER MATERIAL. STORM SEWER INLETS SHALL BE MODIFIED (RAISED/LOWERED) TO MATCH PROPOSED FINISHED GRADE.
62. ALL EXISTING TREES LOCATED WITHIN R/W LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
63. ALL EXISTING BUILDINGS SHALL REMAIN UNLESS OTHERWISE NOTED.

MANATEE COUNTY  
PUBLIC WORKS DEPT.  
INFRASTRUCTURE ENGINEERING  
WAYNE TROXLER, P.E.  
1022 26TH AVENUE EAST  
BRADENTON, FL 34208  
(941) 708-7450 EXT. 7650  
FAX: (941) 708-7415

TECO/PEOPLES GAS CO.  
DAN SHANAHAN  
8261 VICO COURT  
SARASOTA, FL 34240  
(941) 342-4030  
FAX: (941) 342-4011  
EMERGENCY: 1-877-832-6911  
djshanahan@tecoenergy.com

SUNSHINE STATE ONE CALL OF  
FLORIDA  
1-(800) 432-4770

CITY OF BRADENTON  
ARLAN CUMMINGS  
PROJECT MANAGER  
1411 9TH STREET EAST  
BRADENTON, FL 34205  
PHONE:  
FAX:

VERIZON FLORIDA INC.  
DENISE HUTTON  
1701 RINGLING BLVD.  
SARASOTA, FL 34236  
(941) 330-9203  
WAYNE.SUMNER@verizon.com

FLORIDA POWER & LIGHT  
GREG COKER  
1253 12TH AVENUE EAST  
PALMETTO, FL 34221  
(941) 723-4430  
FAX: (941) 723-4444  
EMERGENCY: 1-800-4-OUTAGE  
Greg\_Coker@fpl.com

MANATEE COUNTY HEALTH  
DEPTDEPT.  
HARRY MESSICK  
410 6th AVENUE EAST  
BRADENTON, FL 34208(941)  
748-0747 EXT. 1355  
FAX: (941) 750-9364

SOUTHWEST FLORIDA WATER  
MANAGEMENT DISTRICT  
SARASOTA SERVICE OFFICE  
DARYL R. FLATT, P.E.  
6750 FRUITVILLE ROAD  
SARASOTA, FL 34240  
(941) 377-3722  
FAX: (941) 373-7660

CONTACTS






























































FLORIDA GAS TRANSMISSION  
SAFETY HARBOR TEAM  
7804 ANDERSON RD.  
TAMPA, FL 33634  
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TOM.WRIGHT@MYBRIGHTHOUSE.COM  
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13051 N. TELECOM PKWY  
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PHONE: (813) 632-7600, EXT.  
408  
FAX: (813) 632-7662
















PEACE RIVER ELECTRIC  
COOPERATIVE, INC.  
P.O. BOX 1310  
WACHULA, FL 33873  
JAMES (JR) GOUGH  
(863) 767-4660  
kendell.coker@preco.coop

MANATEE COUNTY  
PUBLIC WORK DEPT.  
TRAFFIC ENGINEERING  
MICHAEL O'RIELLY, P.E.  
(941) 749-3500 EXT. 7812  
FAX: (941) 749-3571

F.D.E.P. -SOUTHWEST DISTRICT  
STEPHANIE BARIOS  
13051 TELCOM PARKWAY  
TEMPLE TERRACE, FL 33637  
PHONE: (813) 632-7600  
FAX: (813) 632-7662

EXISTING		LEGEND	
	BENCH MARK		BUSH
	CONCRETE MONUMENT		TREE
	IRON PIPE		OAK TREE
	IRON ROD		PALM TREE
	HUB		PINE TREE
	NAIL & DISK		EDGE OF VEGETATION
	ELEVATION		CHAIN LINK FENCE
	PARCEL ID NO.		WOOD FENCE
	PARCEL ID NO.		BARBED WIRE FENCE
	LOT NO.		FORCE MAIN
	GUY WIRE		POTABLE WATER
	POWER POLE		RECLAIMED WATER
	LIGHT POLE		SANITARY SEWER
	MAIL BOX		STORM DRAIN
	SIGN		GAS LINE
	REFLECTOR		OVERHEAD_CABLE_TV
	SPRINKLER		BURIED_CABLE_TV
	GAS MARKER		OVERHEAD ELECTRIC
	BACKFLOW PREVENTER		BURIED_ELECTRIC
	BLOW OFF VALVE		OVERHEAD VERIZON
	FIRE HYDRANT		BURIED VERIZON
	WATER VALVE		VERIZON
	AIR RELEASE VALVE		BURIED_UTILITY
	WATER METER		OVERHEAD UTILITY
	SANITARY SEWER MANHOLE		RAIL ROAD TRACKS
	SANITARY SEWER CLEAN OUT		EDGE OF CONCRETE
	SOIL BORING LOCATION		EDGE OF ROAD
	TELEPHONE SERVICE BOX		TOE OF SLOPE
	GRATE INLET		TOP OF BANK
	MITERED END SECTION		PROPERTY LINE
			RIGHT OF WAY

ABBREVIATIONS	
R/W	RIGHT OF WAY
CONC	CONCRETE
ASPH	ASPHALT
DRWY	DRIVEWAY
SWK	SIDEWALK
EP	EDGE OF PAVEMENT
BOC	BACK OF CURB

PROPOSED	
	MAIN
	SERVICE LINE
	PROPOSED EASEMENT
	FIRE HYDRANT
	VALVE
	SANITARY SEWER MANHOLE
	BLOW OFF ASSEMBLY
	REDUCER
	TEE
	HORIZONTAL BEND
	VERTICAL BEND
	PLUG
	MASTER METER ASSEMBLY
	SERVICE LINE & METER
	DOUBLE SERVICE



COQUINA BEACH  
BUS/TROLLEY STOP  
GENERAL NOTES & LEGEND SHEET 2

REVISION DESCRIPTION		BY	DATE
NO.			
PROJECT #	436-00120088		
SURVEY #	000		
SEC./TWN./RGE	00/00S/00E		
SCALE	N.T.S.		
	BY	DATE	
SURVEYED	LEE	00/00/00	
DESIGNED	LEE	00/00/11	
CHECKED	LEE	00/00/11	
C. MOWBRAY P.E. FLORIDA P.E. # 46777			
STATE OF FLORIDA Professional Engineer			
SHEETA 4 OF 40			





Date \ Coquina Bus Stop \ CB-BusStop.dwg      DATE 04/26/12      SCALE 1" = 40'  
 JOB NO 00-42998      FIELD BOOK 656      PAGES 15-17      SHEET 5 OF 10

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NOTE: THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

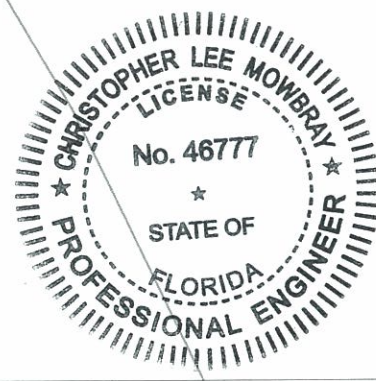
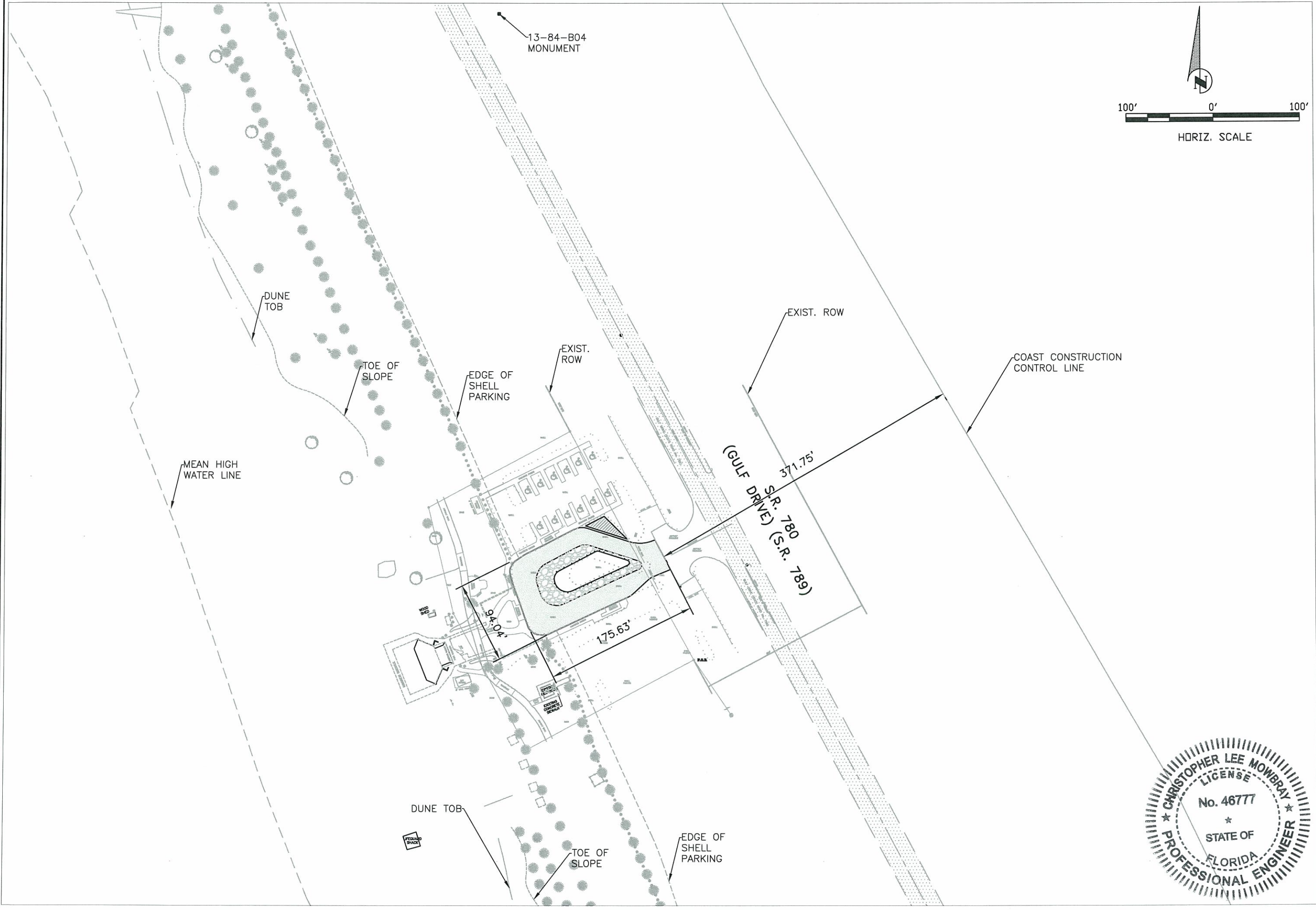
FLORIDA CERTIFICATE No. LS4295  
DATE OF CERTIFICATION 04/26/12  
DATE OF FIELD SURVEY 04/25/12

BY: JAMES N. GATCH, JR., P.S.M.

REVISION	BY	DATE



z:\pww\engineering\share\highway engineering\PROJECTS\coquina beach bus trolley area\DWG\p. Design-R.dwg SITE PLAN: 2/21/2013 2:22 PM Thom Forrester, 1:1, Tabloid (11 x 17")



MANATEE COUNTY, FLORIDA  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES

1022 26th Avenue East  
Bradenton, FL 34208

COQUINA BEACH  
BUS/TROLLEY STOP  
SITE PLAN

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	436-001200088
SURVEY #	000
SEC./TWN./RGE	00/00S/00E
SCALE	1"=100'
SURVEYED	BY DATE
DESIGNED	SF 10/20/11
DRAWN	MRJ 10/25/11
CHECKED	SF 10/25/11

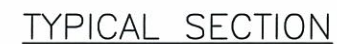
C. MOWBRAY P.E.  
FLORIDA P.E. # 46777  
  
2/27/12  
Signature & Date

SHEET 6 OF 10



DATE					
BT					
REVISION DESCRIPTION					
NO.					
PROJECT #	436-001200088				
SURVEY #	000				
SEC./TWN./RGE	00/00S/00E				
SCALE	1"=30'				
	BY	DATE			
SURVEYED	11/11/11	00/00/00			
DESIGNED	BF	10/20/11			
DRAWN	MRD	11/02/11			
CHECKED	SE	10/25/11			
C. MCOWBRAY P.E.					
FLORIDA P.E. # 46777★					
STATE OF FLORIDA					
SHERATZ OF TO					





The technical drawings illustrate the construction and installation of a silt fence. The **ELEVATION** view on the left shows a cross-section of the fence with a height of 12" MIN. and a top width of 15"-18". The filter fabric is 8" thick and is supported by a post. The filter fabric is in conformance with SEC. 985 FDOT SPEC. The maximum length of the fence is 6' MAX. The **SECTION** view on the right shows the fence installed in a trench. The filter fabric is 20" thick and is supported by a post. The principal post position is canted 20° toward flow. The filter fabric is labeled as FILTER FABRIC and the silt flow is indicated by an arrow. The section view also shows optional post positions and a vertical line.

### TYPICAL SILT FENCE

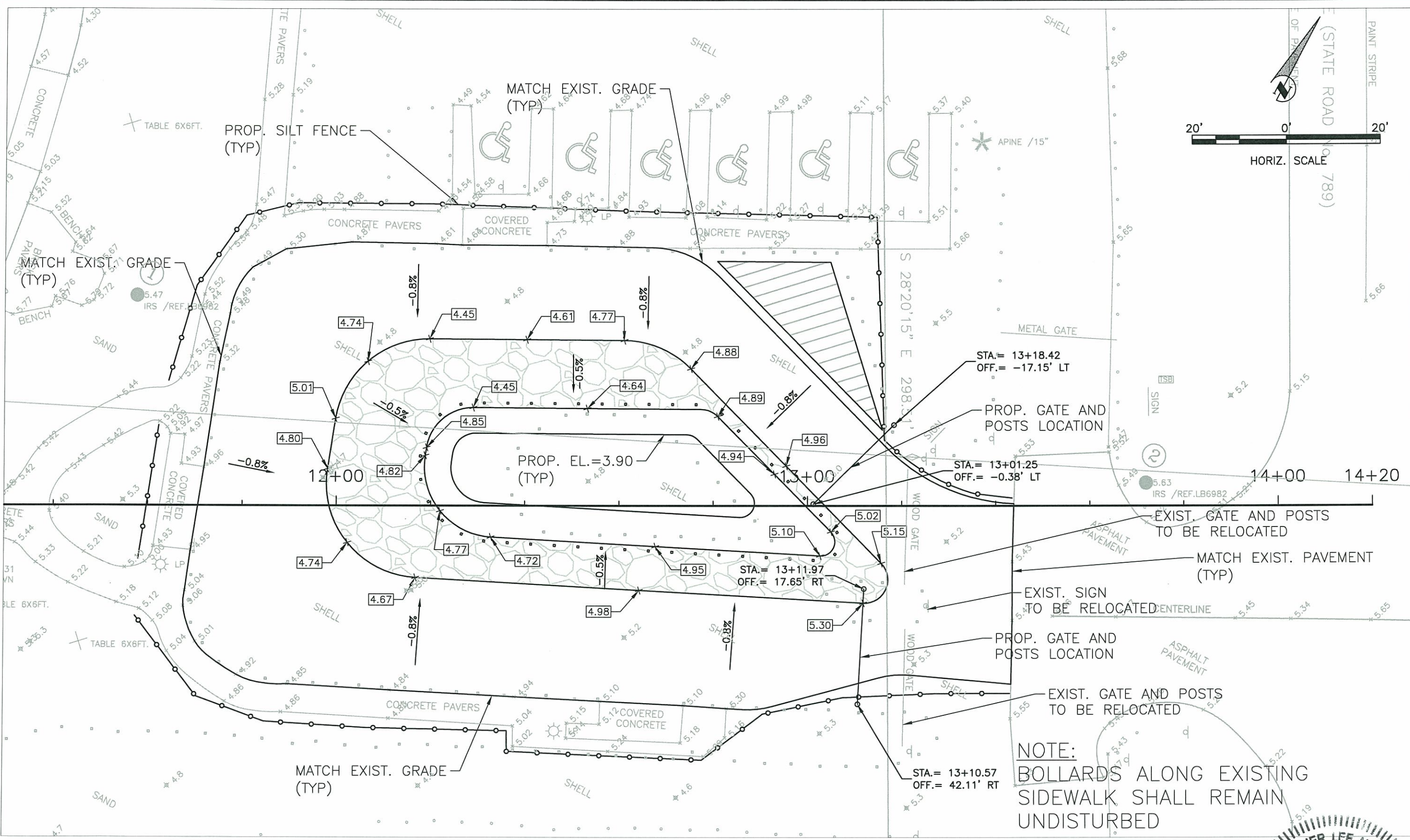
A circular professional engineer seal for Christopher Lee Mowbray. The outer ring contains the text "CHRISTOPHER LEE MOWBRAY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is a dashed circle containing the word "LICENSE" at the top, "No. 46777" in the center, a small star below the number, and "STATE OF FLORIDA" at the bottom. The entire seal is surrounded by a border of short, radiating lines.

DATE					
BY					
REVISION DESCRIPTION					
NO.					
PROJECT #			436-0012000B8		
SURVEY #			000		
SEC./TWN./RGE			00/00S/00E		
SCALE			N.T.S.		
	BY	DATE			
SURVEYED	-----	00/00/00			
DESIGNED	SF	10/20/11			
DRAWN	MRJ	10/25/11			
CHECKED	SF	10/25/11			

Signature & Date

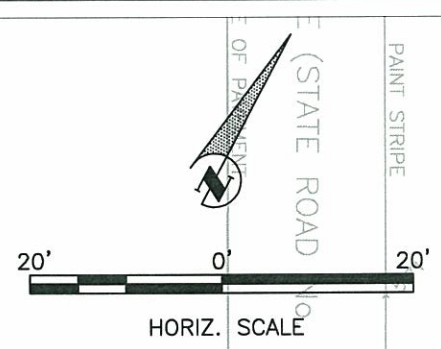


s:\p\engineering\shores\highway engineering\PROJECTS\Coquina Beach bus trolley area\DWG\PAVING GRADING AND EROSION CONTROL PLAN 2/27/2013 2:23 PM Thom Forester, L3, Tabbed (11 x 17)



**LEGEND:**

- PAVEMENT AREA = 8946sf.
- STONE AREA = 2882sf. (FOR EMERGENCY BY-PASS)
- EXISTING SHELL AREA TO BE REMOVED AND REPLACE WITH BEACH COMPATIBLE SAND = 427sf.

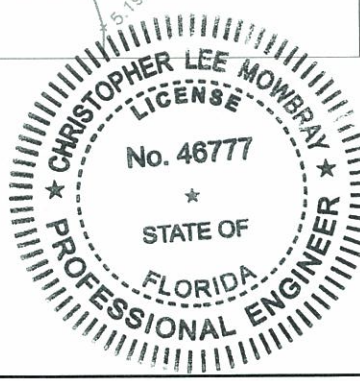


MANATEE COUNTY, FLORIDA  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES

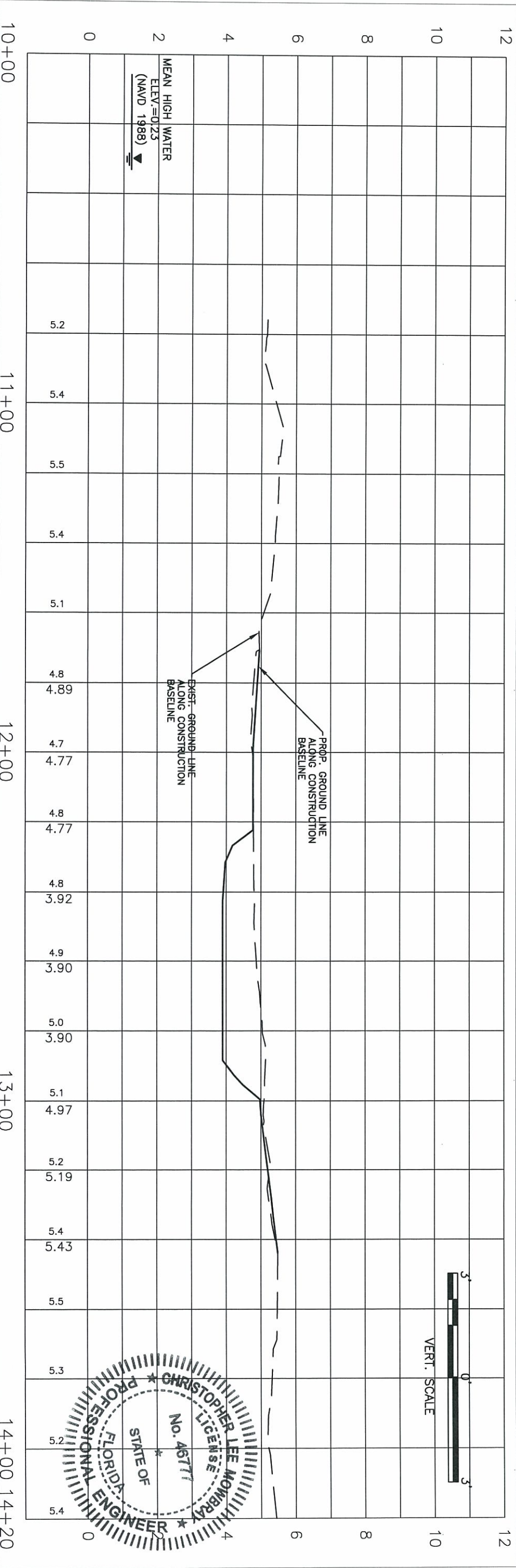
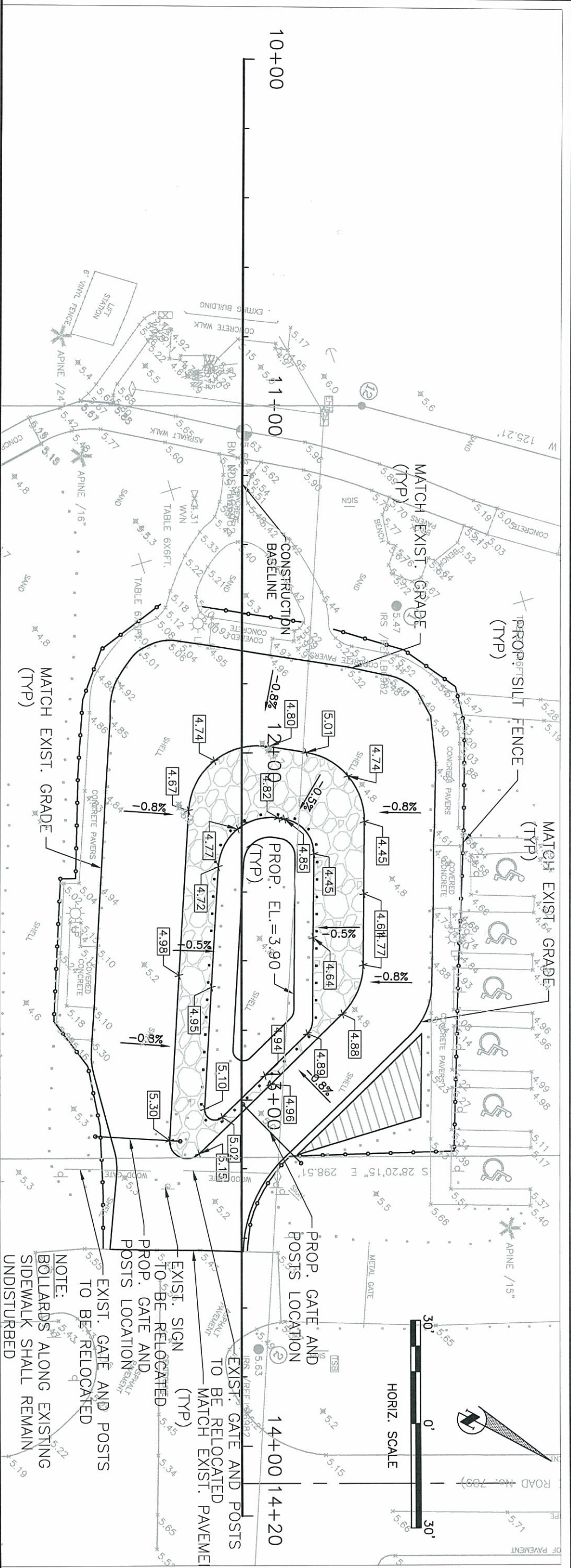
1022 26th Avenue East  
Bradenton, FL 34208

**COQUINA BEACH  
BUS/TROLLEY STOP  
PAVING, GRADING AND  
EROSION CONTROL PLAN**

NO.	REVISION DESCRIPTION	BY	DATE
PROJECT #	436-001200088		
SURVEY #	000		
SEC./TWN./RGE	00/00S/00E		
SCALE	1"=20'		
SURVEYED	----	BY	DATE
DESIGNED	SF		00/00/00
DRAWN	MRJ		10/20/11
CHECKED	SF		10/25/11
C. MOWBRAY P.E.			
FLORIDA P.E. # 46777			
2/27/13			
Signature & Date			
SHEET 9 OF 10			







NOTE:  
BOLLARDS ALONG EXISTING  
SIDEWALK SHALL REMAIN  
UNDISTURBED



# COQUINA BEACH BUS/TROLLEY STOP PLAN & PROFILE STA. 10+00 TO 14+20

NO.	REVISION DESCRIPTION	BY	DATE
1	PROJECT # 436-001200088		
2	SURVEY # 000		
3	SEC./TWN./RGE 00/00S/00E		
4	SCALE 1"=30'		
5	SURVEYED BY DATE		
6	DESIGNED SF 10/20/11		
7	DRAWN MRJ 10/25/11		
8	CHECKED SF 10/25/11		
9	C. MOWBRAY P.E.		
10	FLORIDA P.E. # 46777		
11	Signature & Date		
12	SHEET 10 OF 10		