

Summary of Trip Generation Calculation
For 1 Acres of County Park
January 14, 2011

	Average Rate	Standard Deviation	Adjustment Factor	Driveway Volume
Avg. Weekday 2-Way Volume	2.28	7.04	1.00	2
7-9 AM Peak Hour Enter	0.01	0.00	1.00	0
7-9 AM Peak Hour Exit	0.00	0.00	1.00	0
7-9 AM Peak Hour Total	0.01	0.10	1.00	0
4-6 PM Peak Hour Enter	0.02	0.00	1.00	0
4-6 PM Peak Hour Exit	0.04	0.00	1.00	0
4-6 PM Peak Hour Total	0.06	0.25	1.00	0
Saturday 2-Way Volume	12.14	9.63	1.00	12
Saturday Peak Hour Enter	1.32	0.00	1.00	1
Saturday Peak Hour Exit	0.92	0.00	1.00	1
Saturday Peak Hour Total	2.24	0.00	1.00	2

Note: A zero indicates no data available.
Source: Institute of Transportation Engineers
Trip Generation, 9th Edition, 2008.

TRIP GENERATION BY MICROTRANS

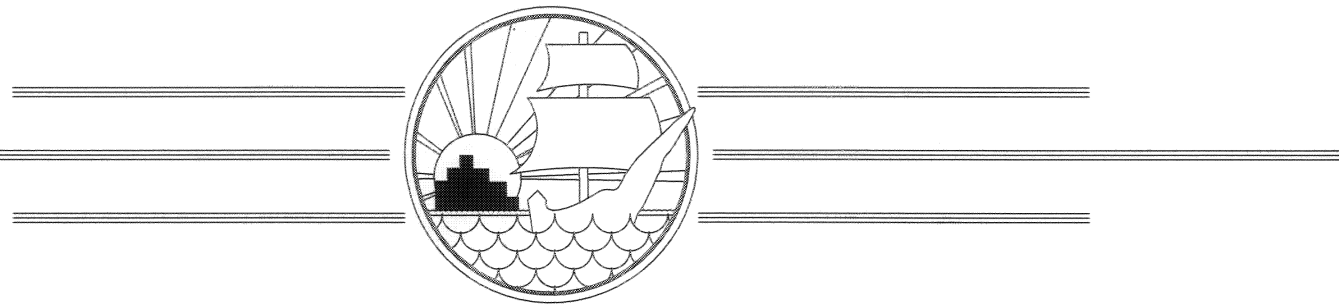
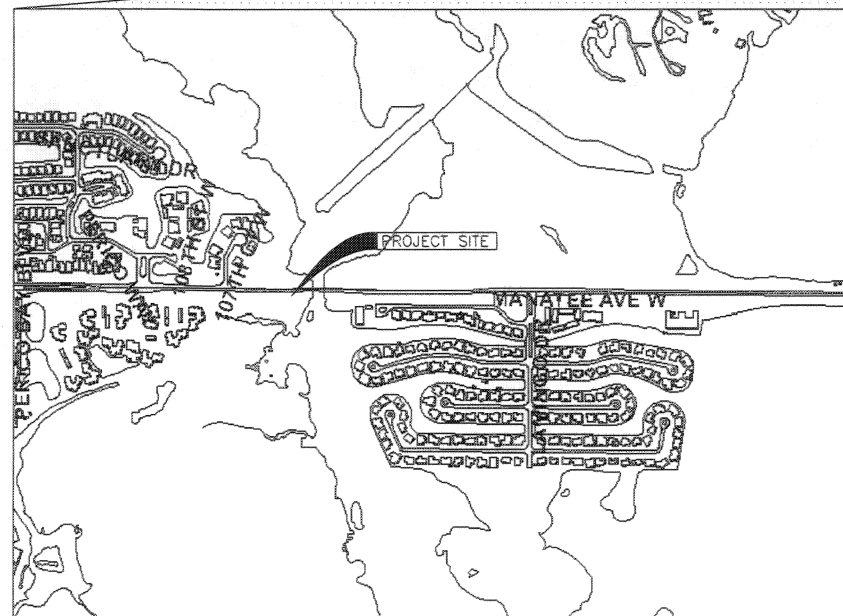
NOTES:

- PEAK HOUR VOLUME = 1,539
- AADT = 15,400
- TRIP GENERATION = 30 MAX. ACCORDING WITH 30 PARKING SPACES
- MINIMUM NEEDS PER F.D.O.T. - 50
- NO BOAT PARKING
- 30 TOTAL PARKING SPACES WITH 2 HANDICAP SPACES
- 50' 'Q' LENGTH MINIMUM

AT LEAST 72 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT THE LOCAL MAINTENANCE F.D.O.T. ENGINEER'S OFFICE TO SECURE GENERAL USE PERMITS AND/OR OTHER PERMITS AS REQUIRED FOR WORKING WITHIN THE DEPARTMENT'S RIGHT-OF-WAY.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (DATED 2010).

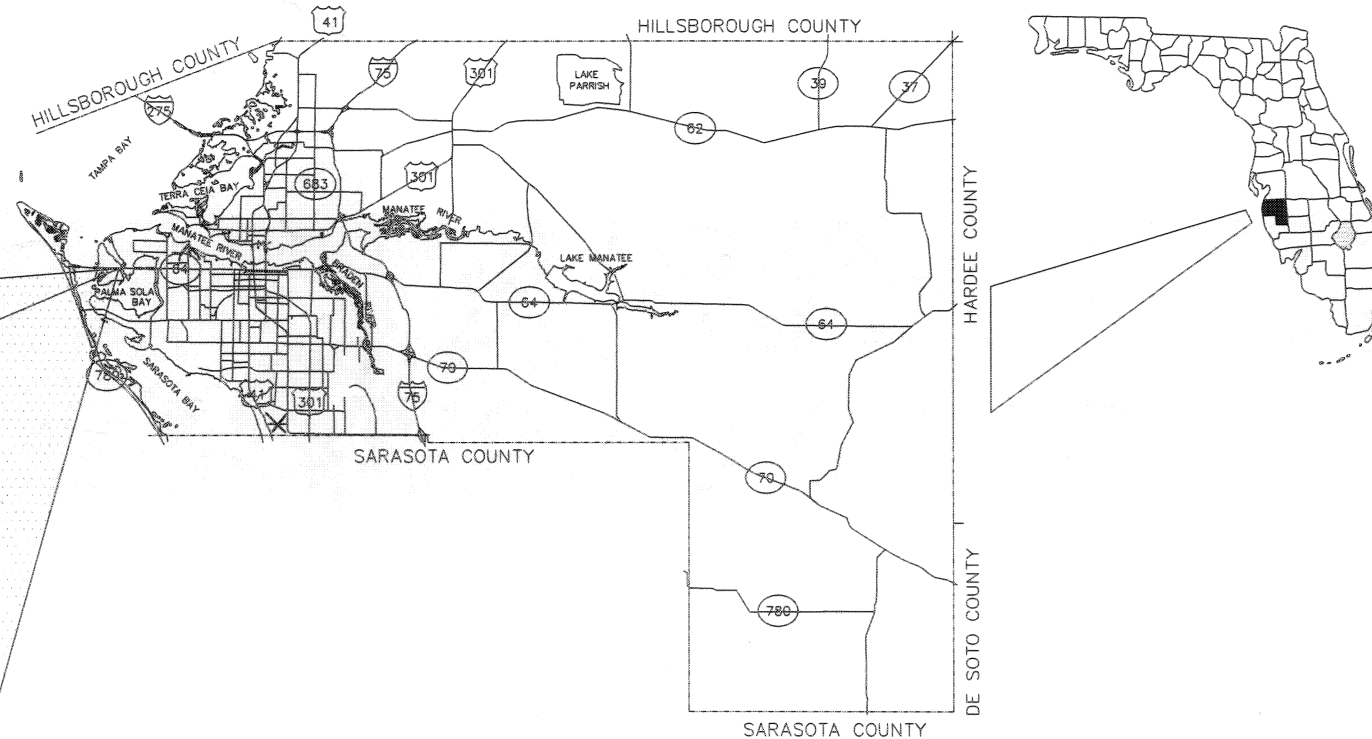
APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7/1/2010. FOR DESIGN STANDARDS MODIFICATIONS, CLICK ON "DESIGN STANDARD" AT THE FOLLOWING WEB SITE: <http://www.dot.state.fl.us/rddesign/>.



PERICO BAYOU PARKING AREA

303-6048720

SECTION NO. 13150, M.P. 2.430-2.570



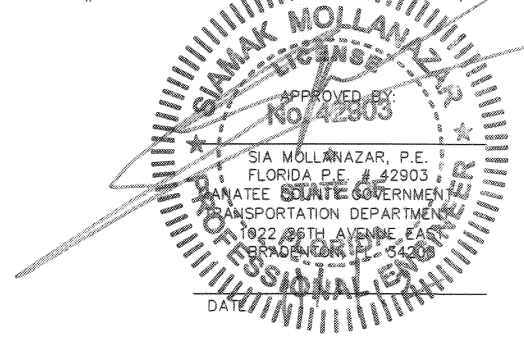
Summary of Trip Generation Rates
For 1 Acres of County Park
January 14, 2011

	Avg. Trip Rate	Min. Trip Rate	Max. Trip Rate	Std. Dev. Studies	No. of
Avg. Weekday 2-Way Volume	2.28	0.17	53.41	7.04	22
7-9 AM Peak Hour Enter	0.01	0.00	0.00	0.00	0
7-9 AM Peak Hour Exit	0.00	0.00	0.00	0.00	0
7-9 AM Peak Hour Total	0.01	0.00	0.00	0.10	3
4-6 PM Peak Hour Enter	0.02	0.02	0.03	0.00	0
4-6 PM Peak Hour Exit	0.04	0.03	0.05	0.00	0
4-6 PM Peak Hour Total	0.06	0.05	0.08	0.25	3
AM Pk Hr, Generator, Enter	0.37	0.04	15.63	0.00	0
AM Pk Hr, Generator, Exit	0.15	0.01	6.46	0.00	0
AM Pk Hr, Generator, Total	0.52	0.05	22.29	1.89	7
PM Pk Hr, Generator, Enter	0.21	0.03	1.83	0.00	0
PM Pk Hr, Generator, Exit	0.38	0.05	3.45	0.00	0
PM Pk Hr, Generator, Total	0.59	0.08	5.30	1.50	6
Saturday 2-Way Volume	12.14	4.04	24.74	9.63	6
Saturday Peak Hour Enter	1.32	0.31	1.89	0.00	0
Saturday Peak Hour Exit	0.92	0.21	1.31	0.00	0
Saturday Peak Hour Total	2.24	0.52	3.20	0.00	2
Sunday 2-Way Volume	4.13	0.32	38.46	8.07	14
Sunday Peak Hour Enter	1.69	0.73	2.23	0.00	0
Sunday Peak Hour Exit	1.91	0.82	2.51	0.00	0
Sunday Peak Hour Total	3.60	1.55	4.74	0.00	2

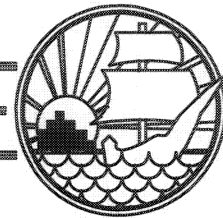
Note: A zero indicates no data available.
Source: Institute of Transportation Engineers
Trip Generation, 9th Edition, 2008.

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SHT. NO.	DESCRIPTION
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1-3	SURVEY CONTROL SHEETS
4-5	EXISTING CONDITIONS SHEETS
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8	LIMITS OF CONSTRUCTION SHEET
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11	TYPICAL SECTION SHEET
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- ④ - REVISION #4 AS PER FDOT COMMENTS ON 1/6/11.
- ⑤ - REVISION #5 AS PER FDOT COMMENTS ON 7/18/11.



100% BID SET



TOPOGRAPHIC SURVEY PERICO BAYOU MANATEE COUNTY, FLORIDA

AUGUST 2009

SITE HORIZONTAL/VERTICAL CONTROL

STATE ROAD NO. 64					
NUMBER	DESCRIPTION	STATION OFFSET	NORTHING	EASTING	ELEVATION
1	IRC # 7203	219+94.80 29.26 RT	1150141.150	438982.441	5.82'
2	IRC # 7203	217+47.28 21.87 RT	1150144.220	439030.828	15.85'
3	IRC # 7203	219+70.47 06.15 RT	1150067.885	439253.423	2.85'

RTK GPS SITE CALIBRATION DATA

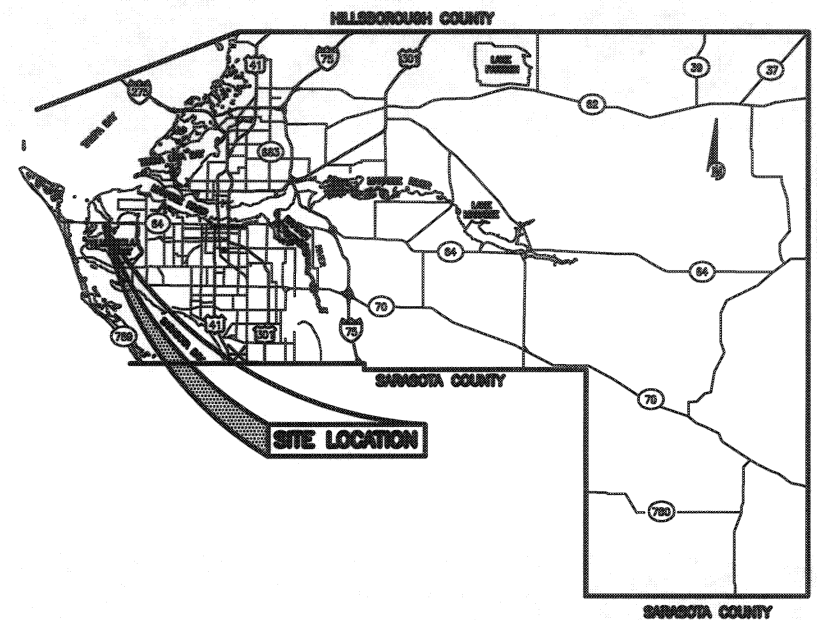
IDENTIFICATION	NORTHING	EASTING
M 087	1137113.85	445933.21
GIS 103	1180518.57	428794.87

BASELINE CONTROL DATA

STATE ROAD NO. 64		
STATION	NORTHING	EASTING
209+00	1150171.678	438183.640
PI 213+78.78	1150170.118	438850.408
220+50	1150183.342	439333.612

GENERAL NOTES

- THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHT-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE AND HAVE BEEN BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHT-OF-WAY MAPS ON RECORD AND TOPOGRAPHIC DATA COLLECTED ALONG EACH OF THE RIGHTS-OF-WAY. CONSEQUENTLY, THE RIGHT-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT BOUNDARIES.
- THIS SURVEY IS SUBJECT TO PERTINENT EASEMENTS, RIGHTS-OF-WAY AND RESTRICTIONS OF RECORD, IF ANY.
- TITLE WORK WAS NOT PROVIDED FOR THIS SURVEY.
- THE BEARINGS INDICATED HEREIN ARE A PROJECTION OF THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE NAD 1983/1990).
- THE ELEVATIONS SHOWN HEREIN HAVE BEEN BASED ON THE FOLLOWING BENCHMARK INDICATED ON A PLAT ENTITLED "PERICO SHORES" RECORDED AMONG THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA IN PLAT BOOK 27, PAGES 131-132: A SQUARE CUT ON THE SOUTH CORNER OF A CONCRETE SPILLWAY (NGVD 1929 ELEVATION 4.32').
- THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE CONTRACT BETWEEN HYATT SURVEY SERVICES, INC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM HYATT SURVEY SERVICES, INC. IS STRICTLY PROHIBITED AND RENDERS THE SURVEYOR'S CERTIFICATION, SIGNATURE AND SEAL NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO HYATT SURVEY SERVICES, INC.
- THE MEAN HIGH WATER ELEVATION OF +1.35' AND MEAN LOW WATER ELEVATION OF -0.20' SHOWN HEREIN ARE THE RESULTANT AVERAGES BETWEEN TIDE INTERPOLATION POINTS 406 AND 480 AS DOCUMENTED ON THE FDEP "LAND AND BOUNDARY INFORMATION SYSTEM (LABINS)" WEBSITE. A VALUE OF +0.984' WAS APPLIED TO THE AVERAGED ELEVATIONS FOR A VERTICAL DATUM CONVERSION.



LEGEND

●	IRON ROD	⊙	SANITARY SEWER MANHOLE
○	IRON PIPE	○	SANITARY AIR RELEASE
■	CONCRETE MONUMENT	⊕	STORM SEWER MANHOLE
●	PK NAIL W/DISC	□	CURB INLET
⊕	BENCHMARK	○	DRAINAGE PIPE
(D)	DEED	■	GRATE INLET
(F)	FIELD MEASURED	⊓	MITERED END SECTION
(P)	PLAT	⊕	FIRE HYDRANT
12.16'	SPOT ELEVATION (TYP.)	⊕	WATER VALVE
R/W	RIGHT OF WAY	⊕	WATER METER
INV	INVERT	⊕	UTILITY POLE
TOS	TOE OF SLOPE	⊕	GLY WIRE
TOB	TOP OF BANK	⊕	LIGHT POLE
✂	PALM TREE	⊕	TELEPHONE UTILITY
⊕	OAK TREE	⊕	ELECTRIC UTILITY
✂	PINE TREE	⊕	SIGN
⊕	TREE	⊕	RIP RAP

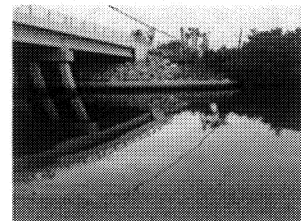
X-SECTION ABBREVIATIONS

TR	TOP OF BANK
TS	TOE OF SLOPE
SW	SIDEWALK
BC	BACK OF CURB
EP	EDGE OF PAVEMENT
R/W	RIGHT OF WAY LINE
AR	ACCESS ROAD
BT	BOTTOM
CAP	TOP OF SEAWALL
MHW	MEAN HIGH WATER
MLW	MEAN LOW WATER

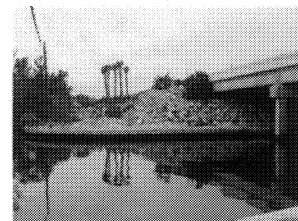
SHEET INDEX

SHEET 1	COVER SHEET
SHEETS 2-3	PLAN SHEETS
SHEETS 4-10	CROSS SECTIONS

SITE PHOTOS



NORTHWEST BRIDGE AREA



SOUTHWEST BRIDGE AREA



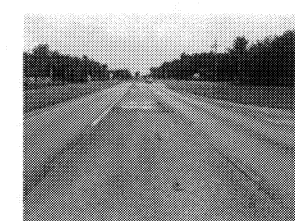
WEST VIEW FROM BRIDGE



216+00 15.00 FT
EAST VIEW



216+00 15.00 FT
WEST VIEW



213+97 WEST VIEW



213+25 EAST VIEW



BENEATH BRIDGE
SOUTH VIEW

THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHT-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE AND HAVE BEEN BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHT-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND TOPOGRAPHIC DATA COLLECTED ALONG EACH OF THE RIGHTS-OF-WAY. CONSEQUENTLY, THE RIGHT-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT BOUNDARIES.

PUBLIC WORKS DEPT.-ENGINEERING DIVISION



4422-B 66th Street West, Bradenton, FL 34210

NO.	REVISION DESCRIPTION	BY	DATE
2	MANATEE COUNTY R/W ACQUISITION	JM	8/8/12
1	MANATEE COUNTY ACQUISITION	JM	8/3/10

Hyatt Survey Services, Inc.

LB No.: 7203 Geographic Data Specialists
11007 8th Avenue East Bradenton, Florida 34212
Phone: (941) 748-4693 Fax: (941) 744-1643

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

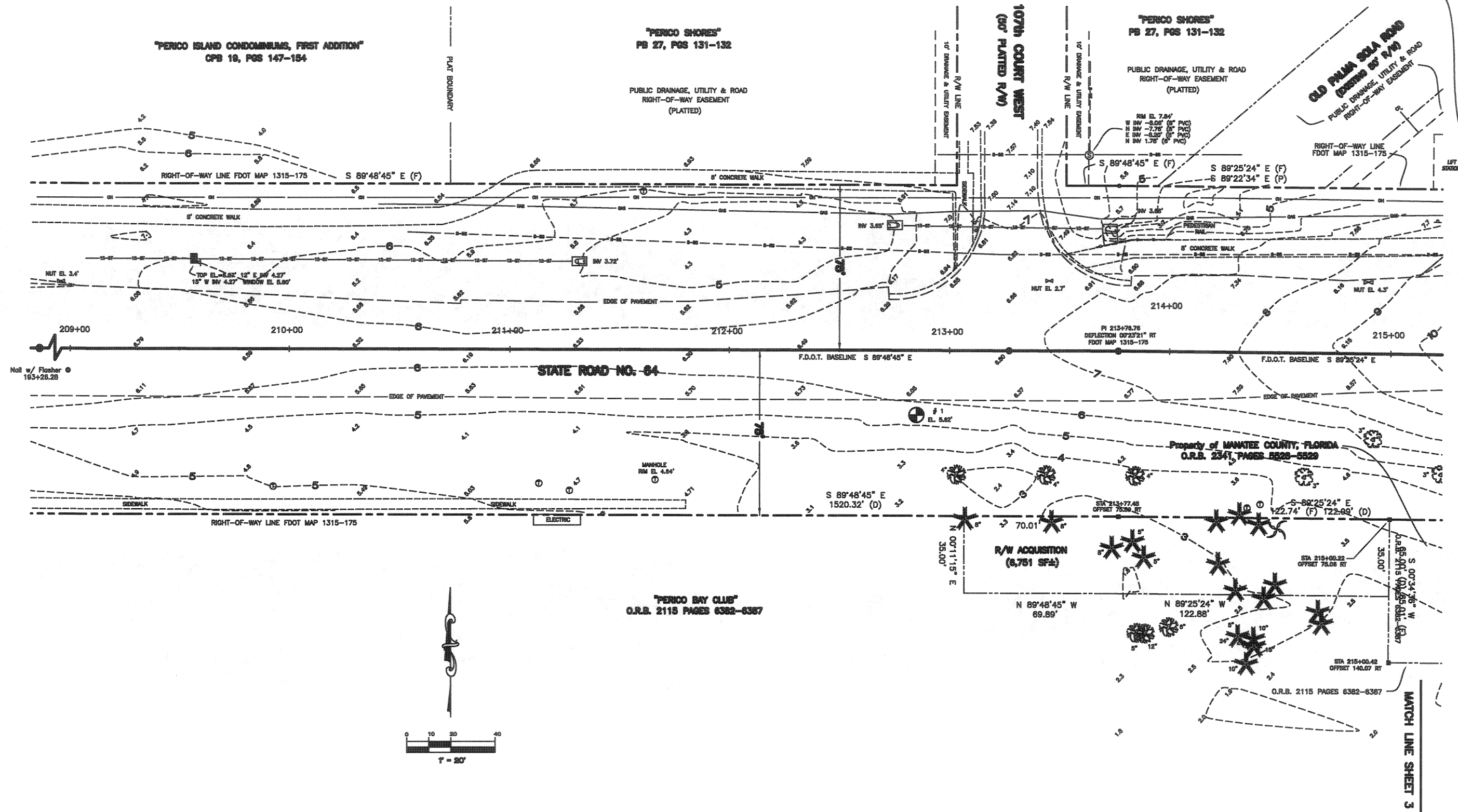
[Signature]
RUSSELL P. HYATT, PSM
FLORIDA SURVEYORS REGISTRATION NO. 5303

**PERICO BAYOU
MANATEE COUNTY, FLORIDA**

COVER SHEET

TRACT "B"


DEDICATED TO MANATEE COUNTY FOR
R/W, DRAINAGE, UTILITIES & PARK



SEE SHEET 1 OF 10 FOR GENERAL NOTES, LEGEND AND SITE PHOTOS

THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR RIGHT-OF-WAY SURVEY. THE LOCATION OF THE STREET RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE AND HAVE BEEN BASED ON INFORMATION CONTAINED IN THE SUBDIVISION PLATS, RIGHT-OF-WAY MAPS ON RECORD IN MANATEE COUNTY AND TOPOGRAPHIC DATA COLLECTED ALONG EACH OF THE RIGHTS-OF-WAY. CONSEQUENTLY, THE RIGHT-OF-WAY LINES SHOWN ARE NOT INTENDED TO INDICATE THE EXACT BOUNDARIES.

PUBLIC WORKS DEPT.-ENGINEERING DIVISION



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 LB No.: 7203 Geographic Data Specialists
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 Phone: (941) 748-4693 Fax: (941) 744-1643

**PERICO BAYOU
 MANATEE COUNTY, FLORIDA**

PLAN SHEET

PUBLIC DRAINAGE, UTILITY & ROAD
RIGHT-OF-WAY EASEMENT
(PLATTED)

OLD PALMA SOLA ROAD
(EXISTING BY P/W)
PUBLIC DRAINAGE, UTILITY & ROAD
RIGHT-OF-WAY EASEMENT

S 89°25'24" E (F)
S 88°22'34" E (P)

"PERICO SHORES"
TRACT "B"
PB 27, PGS 131-132
DEDICATED TO MANATEE COUNTY FOR
R/W, DRAINAGE, UTILITIES & PARK

LIFT STATION EASEMENT
O.R.B. 1046 PAGE 741

10' ASPHALT PATHWAY

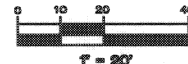
EXISTING
VEGETATION

EDGE OF WATER ±

MANGROVES

RIGHT-OF-WAY LINE
FDOT MAP 1315-175

"PERICO BAYOU"



CONCRETE SEAWALL EL. 3.50'
(1.5' WIDE CAP)
CLEARANCE HEIGHT ABOVE SEAWALL - 10.5'
OVERHEAD BRIDGE LIMIT

ALL DATA SHOWN IN THIS AREA IS
LOCATED BENEATH THE BRIDGE DECK

EL. 11.2'
CLEARANCE HEIGHT ABOVE SEAWALL - 11.5'
OVERHEAD BRIDGE LIMIT

"PERICO BAYOU"

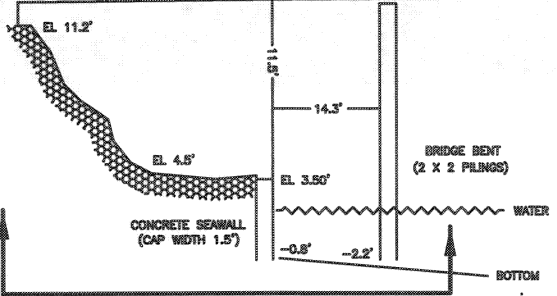
SURVEY BASELINE
N 00°06'52" E

STATE ROAD NO. 84

F.D.O.T. BASELINE S 89°25'24" E

BEGIN BRIDGE
STA 219+25.81

BRIDGE DECK
(SR 84 AND PERICO BAYOU)
EL. 18.05' EL. 19.40'



"A"

SEE SHEET 1 OF 10 FOR GENERAL NOTES, LEGEND AND SITE PHOTOS

THESE PLANS DO NOT REFLECT A TRUE BOUNDARY OR
RIGHT-OF-WAY SURVEY. THE LOCATION OF THE STREET
RIGHT-OF-WAY LINES SHOWN ARE APPROXIMATE AND HAVE
BEEN BASED ON INFORMATION CONTAINED IN THE
SUBDIVISION PLATS, RIGHT-OF-WAY MAPS ON RECORD IN
MANATEE COUNTY AND TOPOGRAPHIC DATA COLLECTED
ALONG EACH OF THE RIGHTS-OF-WAY. CONSEQUENTLY,
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INDICATE THE EXACT BOUNDARIES.

PUBLIC WORKS DEPT.-ENGINEERING DIVISION



4422-B 66th Street West, Bradenton, FL 34210

NO.	REVISION DESCRIPTION	BY	DATE
2	MANATEE COUNTY R/W ACQUISITION	JM	8/8/12
1	MANATEE COUNTY ACQUISITION	JM	8/3/10

Hyatt Survey Services, Inc.
L.B. No.: 7203 Geographic Data Specialists
11007 8th Avenue East Bradenton, Florida 34212
Phone: (941) 748-4693 Fax: (941) 744-1643

PERICO BAYOU
MANATEE COUNTY, FLORIDA

PLAN SHEET

3

40

Sheet Number: 6
Street Name
File No.

"PERICO ISLAND CONDOMINIUMS, FIRST ADDITION"
CPB 19, PGS 147-154

SCALE 1:40

PLAT BOUNDARY

"PERICO SHORES"
PB 27, PGS 131-132

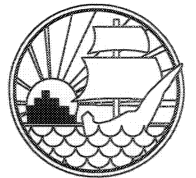
PUBLIC DRAINAGE, UTILITY & ROAD
RIGHT-OF-WAY EASEMENT
(PLATTED)

STA. 209+97.88 BEGIN CONST.
MILE POST 2.430

"PERICO SHORES"
PB 27, PGS 131-132

PUBLIC DRAINAGE, UTILITY & ROAD
RIGHT-OF-WAY EASEMENT
(PLATTED)

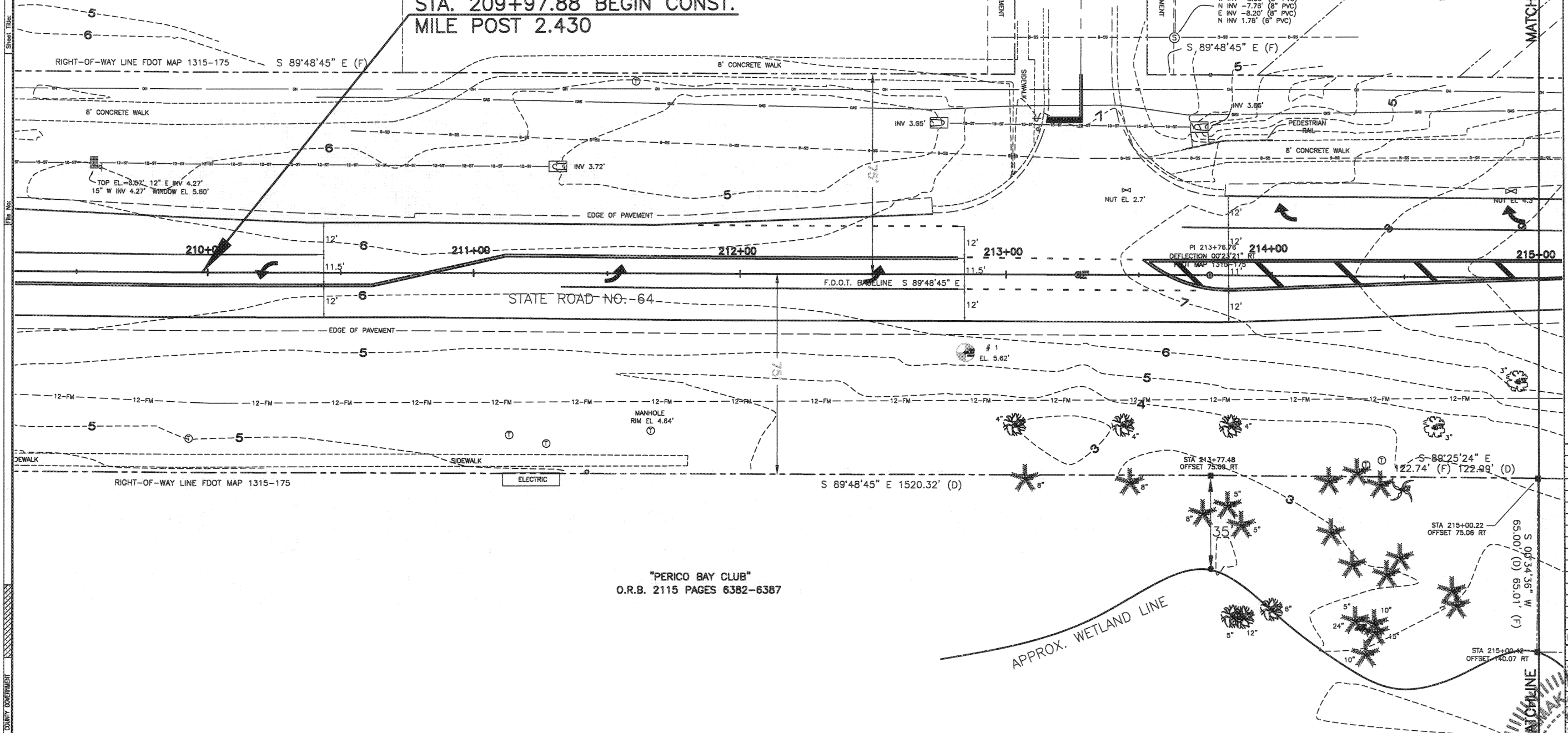
OLD PALMA SOLA ROAD
(EXISTING 50' R/W)
PUBLIC DRAINAGE, UTILITY & ROAD
RIGHT-OF-WAY EASEMENT



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

EXISTING CONDITIONS SHEET
STA. 210+00 TO STA. 215+00



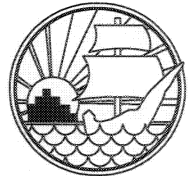
"PERICO BAY CLUB"
O.R.B. 2115 PAGES 6382-6387

• - WETLAND POINTS FROM FIELD VISIT
7/23/10 WITH CLIFF FROM SWFWMD.

REVISION	BY	DATE
SURVISED	HYATT	10/09
DESIGNED	AM	6/10
DRAWN	AM	6/10
CHECKED	AM, JR	11/10

SCALE: 1:40
NO. 42803
SEAL

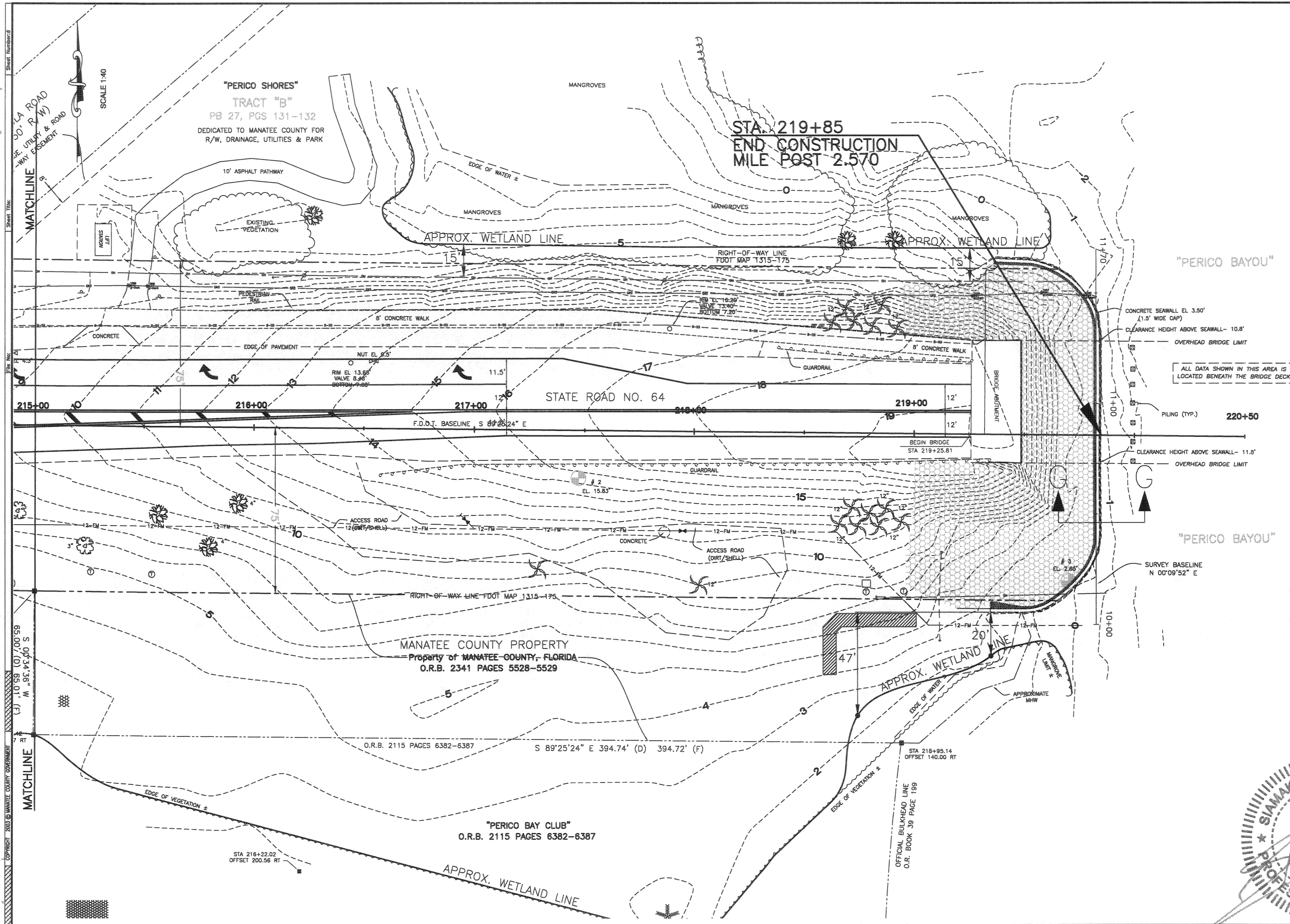
APPROVED BY:
SITIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42803
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
4022 26TH AVENUE EAST
BRADENTON, FL 34208



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

EXISTING CONDITIONS SHEET
STA. 215+00 TO STA. 220+00



REVISION	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AAM	6/10
DRAWN	MFJ	6/10
CHECKED	AM	11/10

SEAL
No. 42903
APPROVED BY

SIA WOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL 34208

DATE: _____
SHEET _____ OF 40

Copyright 2003 by Manatee County Government
 Sheet Title: _____
 Sheet Number: 8

GENERAL

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION.
THE PROJECT MANAGER IS: BRIAN MARTINEAU
AND CAN BE REACHED AT (941) 747-3077; EXT. 6753.
2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
4. VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NATIONAL GEODETIC VERTICAL DATUM OF 1929", (NGVD '29).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
6. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
7. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
8. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
9. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.
10. ALL STATIONS AND OFFSETS REFER TO BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
11. THE CONSTRUCTION LENGTHS IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
12. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
13. THE CONTRACTOR SHALL HAVE A FOREMAN, OR RESPONSIBLE PARTY, ON SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. ALL WORKERS ON THE JOB SITE WILL BE COURTEOUS TO THE PUBLIC AT ALL TIMES, AND SHALL REFER ANY QUESTIONS OR CONCERNS TO THE CONTRACTOR'S FOREMAN OR THE COUNTY INSPECTOR. THE FOREMAN SHALL SPEAK AND UNDERSTAND ENGLISH AND SHALL BE AVAILABLE AT ALL TIMES FOR TIMELY RESOLUTION OF PROJECT-RELATED ISSUES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN CONTRACTOR AND ALL UTILITY AGENCIES.

NOTE: THIS INCLUDED MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE.
(REFERENCE CONTRACT DOCUMENTS)
15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTORY OF THE COUNTY PROJECT MANAGER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.

16. ALL CONSTRUCTION WITHIN FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH CURRENT FDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION AND THE DESIGN STANDARDS.
17. ALL SIGNING, STRIPING AND RPM PLACEMENT WITHIN THE FDOT RIGHT-OF-WAY IS TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 17346.

SAFETY

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
19. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
20. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
21. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

ENVIRONMENTAL

22. WHEN A BENTONITE SPILL OR FRACK-OUT OCCURS OR THERE IS A LOSS OF RETURN INDICATING EXCESSIVE SEEPAGE OR LOSS OF DRILLING FLUID, DRILLING MUST BE STOPPED UNTIL THE LOCATION OF THE SPILL IS IDENTIFIED. UNDER NO CIRCUMSTANCES WILL DRILLING CONTINUE WHEN A SPILL IS APPARENT.
23. ONCE LOCATED, THE BENTONITE SPILL MUST BE ISOLATED AND SEEPAGE INTO ANY NEARBY WATER BODIES WILL BE BLOCKED DEPENDING ON THE DEGREE OF THE SPILL, THE ISOLATED BENTONITE MUST BE REMOVED MANUALLY OR MECHANICALLY AND DISPOSED OF BY APPROPRIATE MEANS OR REUSED
24. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
25. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
26. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
27. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
28. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION.
29. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIROMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.

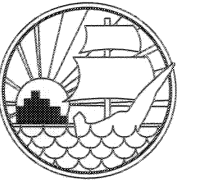
30. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
31. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
32. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS.

RIGHT-OF-WAY

33. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS.
32. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
33. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS, THAT ARE TO REMAIN, WHETHER SHOWN ON THE PLANS OR NOT.
35. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT. ROADWAY PLANS AND PROPOSED DESIGN ARE BASED ON TOPOGRAPHIC SURVEYS PROVIDED BY MANATEE COUNTY PROJECT MANAGEMENT AND ZOLLAR NAJJAR & SHROYER UNDER COUNTY PROJECT NO's 334-6001060 AND 319-6045661. REFER TO THE ORIGINAL SIGNED AND SEALED SURVEY CONTROL SHEETS IN THE PROJECT FILE.
36. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER PLAN. THE CONTRACTOR SHALL COORDINATE WITH THE AFFECTED UTILITY COMPANY FOR THE ADJUSTMENT OF ANY EXISTING UTILITIES AND STRUCTURES IN ORDER TO MATCH THE PROPOSED ELEVATIONS AND ALIGNMENTS.
37. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.

UTILITIES

38. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY AFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION. UTILITIES DESIGNATED Vv, Vh, AND VvH ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY TO THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. EXTREME CAUTION SHALL BE EXERCISED WHEN WORKING NEAR THE 24" WATERLINE.



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA
GENERAL NOTE SHEET 1

Created 3 General 11/18/10
Notes Sheets from 1.

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UTILITIES

- 39. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL 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.
- 40. 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.
- 41. EXCEPT WERE 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.
- 42. A FLORIDA POWER AND LIGHT SPECIAL PROVISION IS THAT THE TYPE OF EQUIPMENT USED IN THE INSTALLATION OF MAST ARMS/FOUNDATIONS, OVERHEAD/CANTILEVER SIGNS/FOUNDATIONS, AND THE MOVEMENT/INSTALLATION OF STRAIN POLES SHALL MEET THE FOLLOWING REQUIREMENTS: 1) OVERHEAD LINES SHALL STAY IN PLACE BOTH VERTICALLY AND HORIZONTALLY 2) CONTRACTOR SHALL MEET ALL APPLICABLE OSHA REQUIREMENTS (SEPARATION SHALL FOLLOW 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.
- 43. 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.

DRAINAGE AND GRADING

- 44. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
- 45. THE CONTRACTOR IS TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE RECORD DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS IN ACCORDANCE WITH LATEST MANATEE COUNTY TRANSPORTATION DEPARTMENT STANDARDS AND SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) STANDARDS. THE CONTRACTOR SHALL ALSO PROVIDE FIVE SETS OF PRINTS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR, OF THE RECORD DRAWINGS TO THE ENGINEER OF RECORD. THESE RECORD DRAWINGS SHALL BE CERTIFIED TO THE OWNER, APPROPRIATE GOVERNMENTAL AGENCIES. RECORD DRAWINGS SHALL SPECIFICALLY INCLUDE STORMWATER FACILITY LOCATIONS, INCLUDING TOP OF BANK, UNDERDRAIN AND CONTROL STRUCTURES, SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT. BENCH MARKS WITH THE ELEVATION CLEARLY AND PERMANENTLY MARKED ARE TO BE PLACED ON THE TOP OF ALL PROPOSED OUTFALL CONTROL STRUCTURES. RECORD DRAWINGS OF ALL MITIGATION AREAS INCLUDING ELEVATIONS, ZONES AND LIMITS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT. THE RECORD DRAWINGS SHALL SPECIFICALLY INCLUDE THE SURFACE AREA OF STORMWATER FACILITY AREAS AT NORMAL WATER ELEVATION (NWL), AT HIGH WATER ELEVATION (HWL) ALL MITIGATION AND/OR LITTORAL SHELF AREAS.
- 46. TO PREVENT SEDIMENTARY RUNOFF DURING CONSTRUCTION, STAKED HAY BALES, STAKED SILT SCREENS OR INLET DEBRIS CONTROL SCREENS ARE TO BE PLACED AT STORM INLETS, OUTFALL LOCATIONS AND ADJACENT PROPERTY LINES AS REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED AND THEN VERIFIED/INSPECTED BY MANATEE COUNTY INFRASTRUCTURE INSPECTIONS RESOURCES DIVISION (708-7450) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SEDIMENTATION BARRIERS IN A WORKING MANNER FOR THE DURATION OF CONSTRUCTION AND SHOULD BE CHECKED DAILY. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF OF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN

UPLAND AREAS. IN ADDITION TO SPECIFIED EROSION CONTROL LOCATIONS, THE CONTRACTOR SHALL PERFORM DAILY SITE INSPECTIONS FOR POTENTIAL EROSION PROBLEMS. IF PROBLEMS OCCUR, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING APPROPRIATE EROSION CONTROL IMMEDIATELY. AN INSPECTION LOG SHALL BE MAINTAINED AND AVAILABLE ONSITE AT ALL TIMES. STORMWATER TREATMENT FACILITIES INCLUDING OUTFALL PER DETAIL ARE TO BE CONSTRUCTED EARLY IN SITE DEVELOPMENT, WITH NO OFF-SITE UNTREATED RUN-OFF OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION CONTROL DEVICES FOLLOWING COMPLETION OF ALL CONSTRUCTION AND FINAL STABILIZATION.

- 47. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION. REFER TO MITERED END SECTION DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MITERED END SECTION.
- 48. TOPOGRAPHIC AND PROPERTY SURVEYS GIVING LOT SIZE, GROUND ELEVATIONS, OBSTRUCTIONS ON SITE, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, CURBS, PAVEMENTS, TRACTS, AND SOIL BORING DATA GIVING THE NATURE OF GROUND AND SUBSURFACE CONDITIONS HAVE BEEN OBTAINED FROM RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF SITE CONDITIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS AND SOILS TESTS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
- 49. THE CONTRACTOR SHALL VERIFY TOPOGRAPHY AND SATISFY HIMSELF AS TO THE EXTENT OF FILL NECESSARY TO ACHIEVE FINISHED GRADE PRIOR TO AWARD OF CONTRACT. THERE SHALL BE NO CLAIM FOR EXTRAS NOTWITHSTANDING SITE PLAN REVISIONS PROMULGATED SUBSEQUENT TO AWARD OF CONTRACT.
- 50. ROADSIDE UNDERDRAIN SHOWN ON PLAN IS MINIMUM AND EXTENSION SHALL BE REQUIRED AS DETERMINED NECESSARY BY THE ENGINEER OF RECORD AND/OR MCPWD INSPECTION DEPARTMENT DURING THE COURSE OF CONSTRUCTION.
- 51. SUITABLE FILL MATERIAL FROM EXCAVATION SHALL BE UTILIZED FOR PROJECT FILL PER GRADING SPECIFICATIONS. UNSUITABLE MATERIAL SHALL BE PLACED IN OPEN AREAS ONLY AS DIRECTED BY THE PROJECT ENGINEER AND SOILS ENGINEER IN ACCORDANCE WITH FDOT INDEX 505.
- 52. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATIONS.
- 53. REFER TO CONSTRUCTION TECHNICAL SPECIFICATIONS FOR COMPACTION REQUIREMENTS, GRASSING/SODDING REQUIREMENTS, AND PAVING CONSTRUCTION MATERIAL SPECIFICATIONS.
- 54. ALL FILL AREAS ARE TO BE CONSTRUCTED IN 12" MAXIMUM LIFTS.
- 55. THE CONTRACTOR SHALL REVIEW SOILS TESTS AS PERFORMED BY THE SOIL CONSULTANT AND IS ENCOURAGED TO CONDUCT ON-SITE TESTING TO SATISFY HIMSELF AS TO ACTUAL LIMITS OF REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIALS PRIOR TO BIDDING.
- 56. ON SLOPES GREATER THAN 3:1 PEGGING OR PINNING OF SOD MAY BE REQUIRED.
- 57. 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. PAYMENT FOR PIPE SHALL NOT 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.
- 58. ALL CURB INLET AND JUNCTION BOX STORMWATER STRUCTURES SHALL HAVE HEAVY DUTY RING AND COVER MANHOLE ACCESS
- 59. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT AND TO ENSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.

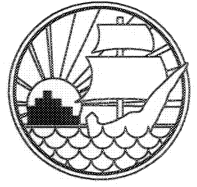
- 60. **SLURRY WALL** - CONSTRUCTION OF THE SLURRY WALL SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THE CONTRACTOR BY A GEOTECHNICAL SPECIALTY CONTRACTOR EXPERIENCED IN CONSTRUCTION OF CLAY SLURRY WALLS. CONTRACTOR SHOULD REVIEW GEOTECHNICAL REPORT, PLANS, AND RETAIN EXPERIENCED PERSONNEL TO CARRY OUT THE OPERATIONS, SAFETY, TESTING AND QUALITY CONTROL AS SPECIFIED. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT TECHNICAL SPECIFICATIONS, FOR ENGINEER'S APPROVED THAT COVER MATERIALS, EQUIPMENT, EXCAVATION OF THE WORK (I.E. SLURRY TRENCHING, KEY, CLEANING TRENCH BOTTOM, BACKFILL MIXING & BACKFILL PLACEMENT), CLEAN-UP, SPILL CONTINGENCY PLAN, QUALITY CONTROL, AND TESTING. IN ADDITION, THE FOLLOWING SHALL BE SUPPLIED PRIOR TO START OF CONSTRUCTION:
 - A. SOIL-BENTONITE SLURRY MIX DESIGN AND TRIAL MIX REPORTS, INCLUDING MIX PROPORTIONS, DENSITY, MOISTURE CONTENT, GRADATIONS, AND HYDRAULIC CONDUCTIVITY SHALL BE PERFORMED.
 - B. SPECIFICATIONS OF THE BATCH PLANT AND LAYOUTS SHOWING LOCATIONS OF EQUIPMENT, PONDS, TANKS, PUMPS, VALVES, HOSES AND SUPPLY LINES.
 - C. SOURCE OF ALL IMPORTED MATERIAL, INCLUDING BENTONITE. SHIPMENT OF MATERIALS TO THE SITE SHALL BE ACCOMPANIED BY THE SHIPPER'S WRITTEN VERIFICATION OF THE QUALITY OR SPECIFICATION OF THE MATERIAL, A COPY OF WHICH SHALL BE RETAINED BY THE CONTRACTOR.
 - D. CERTIFICATION OF BENTONITE QUALITY, SHOWING COMPLIANCE WITH API STANDARD 13A.
 - E. CERTIFICATION OF QUALITY OF ANY ADMIXTURE.

MITIGATION NOTES

- 63. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ENHANCED/ CREATED WETLANDS UNTIL PROJECT DRAINAGE AND GRADING IS COMPLETED AND ACCEPTED BY THE OWNER.
- 64. MAINTENANCE SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS. WETLAND BOUNDARY AND BUFFER AREAS SHALL BE CLEARLY DELINEATED ON SITE PRIOR TO INITIAL CLEARING AND GRUBBING ACTIVITIES. THE DELINEATION SHALL ENDURE THROUGHOUT THE CONSTRUCTION PERIOD, AND BE READILY DISCERNIBLE TO CONSTRUCTION PERSONNEL. THE WETLAND (JURISDICTIONAL) AND BUFFER AREAS ARE TO BE IDENTIFIED IN THE FIELD WITH STAKES AND FLAGGED STRING LINES (STRING LINE 5' ABOVE GRADE WITH FLAGGING AT 10' INTERVALS) PRIOR TO COMMENCEMENT OF CLEARING AND GRUBBING. THE STRING LINE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL STAY OUT OF THE EXISTING WETLAND AND BUFFER AREAS, EXCEPT WHERE PLANS CALL OUT SPECIFIC WORK TO BE PERFORMED.

RESTORATION

- 65. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
- 66. 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 TO THE OWNER.
- 67. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS LATEST REVISION.
- 68. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING.
- 69. 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.



MANATEE COUNTY PUBLIC WORKS DEPARTMENT

PERICO BAYOU PARKING AREA GENERAL NOTE SHEET 2

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Notes Sheets from 1.		
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SAH MULLANAZAR, P.E. FLORIDA P.E. # 22503 MANATEE COUNTY GOVERNMENT PUBLIC WORKS DEPARTMENT 100 47th Street East Bradenton, FL 34203		
SHEET		6 B OF 40

CONSTRUCTION

- 70. 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.
- 71. 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.
- 72. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
- 73. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
- 74. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA, UNLESS OTHERWISE NOTED ON THE PLANS.
- 75. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM. THE CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO DISTRICT FOR APPROVAL PRIOR TO CONSTRUCTION.
- 76. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
- 77. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS AND STATION OFFSETS ARE TO CENTER OF STRUCTURES OR FITTINGS. REFER TO DETAIL SHEET FOR ALL REFERENCE POINTS.
- 78. 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.
- 79. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
- 80. ALL CONCRETE AND REBAR PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
- 81. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS. EXCAVATION, EMBANKMENT, INCLUDING UTILIZATION, AND UNSUITABLE MATERIAL REMOVAL SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST VERSION.
- 82. 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.
- 83. 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.
- 84. ALL MATERIALS NOT CLAIMED BY THE COUNTY 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.
- 85. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES OR TO MINIMIZE TRENCH WIDTH. WHERE A SEPARATE PAY ITEM IS NOT PROVIDED, THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED.

- 86. 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.
- 87. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- 88. 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.
- 89. ALL EXISTING SWALES NOT DESIGNATED FOR RECONSTRUCTION SHALL BE REGRADED TO PROMOTE POSITIVE DRAINAGE AND MATCH PROPOSED CENTERLINE SWALE ELEVATION AND ALIGNMENT.
- 90. 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.
- 91. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST. (EXISTING FENCES WITHIN R/W TAKING LIMITS SHALL BE RECONSTRUCTED TO THE NEW R/W LINE AND ARE TO BE REIMBURSED UNDER THE MISCELLANEOUS BID ITEM).
- 92. ALL EXISTING TREES LOCATED WITHIN PROPOSED PARKING AREA, ROAD WIDENING AND SIDEWALK/BOARDWALK SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- 93. ALL EXISTING STORM DRAINAGE STRUCTURES SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- 94. ALL EXISTING BUILDINGS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 95. REMOVE AND REPLACE BASE AND SUB-BASE ACCORDING TO FDOT STANDARDS

UTILITY NOTIFICATION & CONTACT LIST:

CITY OF BRADENTON PUBLIC WORKS

ATTN: ARLAN CUMMINGS
PROJECT MANAGER
PHONE: (941) 708-6300 EXT. 224
FAX: (941)
1411 9th STREET EAST
BRADENTON FL. 34205
arlan.cummings@cityofbradenton.com

BRIGHTHOUSE NETWORKS

ATTN: ALEX FLEMING
PROJECT MANAGER
PHONE: (941) 748-3816 EXT. 24051
5413 S.R. 64 EAST
BRADENTON FL. 34208
James.Fleming@mybighthouse.com

F.D.E.P. - SOUTHWEST DISTRICT

ATTN: STEPHANIE BARIOS
PHONE: (813) 632-7600 EXT. 408
FAX: (813) 632-7662
13051 TELECOM PARKWAY
TEMPLE TERRACE, FL. 33637

FLORIDA GAS TRANSMISSION

ATTN: CHAD HARRELL
PHONE: (813) 466-3327
7804 ANDERSON RD.
TAMPA, FL. 33634
chad.harrell@sug.com

FLORIDA POWER & LIGHT

ATTN: GREG COKER
PHONE: (941) 723-4430
WHITFIELD SERVICE
1253 12th AVENUE EAST
PALMETTO, FL. 34221
greg_coker@fpl.com

PEACE RIVER POWER

ATTN: MS. KENDELL COKER
PHONE: 1-800-282-3824
FAX: 1-863-773-4508
P.O. BOX 1310
WAUCHULA, FL. 33873

TECO/PEOPLES GAS

ATTN: DAN SHANAHAN
PHONE: (941) 342-4006
8261 VICO COURT
SARASOTA, FL. 34240
dshanahan@tecoenergy.com

VERIZON

ATTN: DENISE HUTTON
PHONE: (941) 906-6722
1701 RINGLING BLVD.
SARASOTA, FL. 34236

MANATEE COUNTY PUBLIC WORKS DEPT - UTILITIES

ATTN: WAYNE TROXLER
INFRASTRUCTURE ENGINEERING DIVISION SUPERVISER
PHONE: (941) 708-7450 EXT. 7650
FAX: (941) 708-7415
1022 26th AVENUE EAST
BRADENTON, FL. 34208

SUNSHINE STATE ONE CALL

PHONE: 1-800-669-5747
WEBSITE: www.callsunshine.com

MANATEE COUNTY TRAFFIC OPERATIONS DEPT.

ATTN: ARRON BURKETT
TRAFFIC CONTROL SUPERVISER
PHONE: (941) 708-7509 EXT. 7262
CELL: (941) 345-5487
FAX: (941) 708-7506
2904 12h STREET COURT EAST
BRADENTON FL. 34208

MANATEE COUNTY TRAFFIC ENGINEERING DEPT.

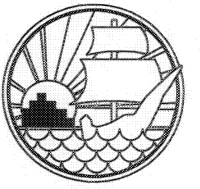
ATTN: JON WUNDERLICH
TRAFFIC CONTROL COMMUNICATIONS SUPERVISER
PHONE: (941) 749-3500 EXT. 7817
FAX: (941) 749-3571
2101 47th AVENUE EAST
BRADENTON FL. 34203

MANATEE COUNTY HEALTH DEPT

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

SOUTHWEST FLORIDA WATERMANAGEMENT DISTRICT SARASOTA SERVICE OFFICE

ATTN: DARYL R. FLATT, P.E.
6750 FRUITVILLE ROAD
SARASOTA, FL. 34240
(941) 377-3722
FAX: (941) 373-7660



MANATEE COUNTY PUBLIC WORKS DEPARTMENT

PERICO BAYOU PARKING AREA
GENERAL NOTE SHEET 3

Created 3 General 11/18/10
Notes Sheets from 1.

REVISION	DATE
BY	DATE

SURVEYED	
DESIGNED	6/10

DRAWN	11/10
CHECKED	11/10

SCALE: N.T.S.

No. 42903 SEAL

APPROVED BY

STATE OF FLORIDA

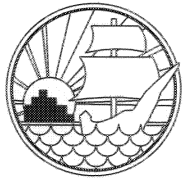
PROFESSIONAL ENGINEER

MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
2101 47th AVENUE EAST
BRADENTON, FL. 34203

DATE

SHEET 6 C OF 40

NO.	FDOT ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	0101-1	Mobilization	LS	1
2	0102-1	MOT	LS	1
3	0104-6	Sand bags	LF	264
4	0104-10-3	Staked Silt Fence, Type III	LF	1,382
5	0104-11	Floating Turbidity Barrier Type III	LF	210
6	0110-1-1	Clearing & Grubbing	ACRE	4.00
7	0120-1	Regular Excavation (Road, Pond & Parking)	CY	1,869
8	0120-1	Regular Excavation (Boardwalk & Sidewalk)	CY	67
9	0120-6	Embankment (Roadwork, Pond And Parking)	CY	1,311
10	0120-6	Embankment (Boardwalk & Sidewalk)	CY	85
11	0120-73	6" Lightweight Aggregate Fill (Not To Exceed 1" Dia.)	CY	54
12	0160-4	12" Type B Stabilization (LBR 40)	SY	2,490
13	0173-77-3	Pressure Grouting, Cement Slurry	CY	10
14	285-704	6" Shell Rock Material(Fill Parking Area)	SY	1,973
15	285-705	14" Optional Base Group 5: Crushed Concrete	SY	205
16	285-706	10" Optional Base Group 9: Limerock LBR 100	SY	2,272
17	0334-1-13	2" Superpave Asphalt Concrete, Traffic C, SP 12.5	TN	226
18	0337-7-32	1" Asphalt Concrete FC-9.5, Traffic C, Rubber	TN	114
19	0425-1549	Ditch Bottom Inlet, Type D Modified	EA	3
20	0425-3-41	Junction Box, Drainage P-7	EA	1
21	0430-174-218	14"x23" ERCP	LF	200
22	430-982-625	Mitered End Section, RCP Elliptical	EA	2
23	0514-71-2	Plastic Filter Fabric	SY	819
24	0515-2302	Pedestrian, Bicycle Railing, Aluminun Only, 54" Picket Rail	LF	340
25	0520-2-4	Concrete Curb, Type D	LF	215
26	0520-2-9	Concrete Curb, Type X (Special)	LF	52
27	0522-1	6' Concrete Sidewalk	SY	332
28	0530-3-4	Riprap, Rubble F&I Ditch Lining	TN	5
29	0542-70-	Conc. Bumper Guard	EA	31
30	0570-1-2	Performance turf, sod	SY	5,752
31	MC-1	4x4 Wooden Parking stops 8' long	EA	34
32	700-20-11	Stop sign (R1-1)	AS	1
33	700-20-11	Handicap sign 12" X 18"	AS	2
34	706-3	Retro-Reflective Pavement Markers	EA	109
35	711-11-111	Thermoplastic, Standard, White, Solid, 6"	NM	0.53
36	711-11-125	Thermoplastic, Standard, White, Solid, 24"	LF	24
37	0711 11131	Thermoplastic, Standard, White, Skip, 6" 6'-10'	GM	0.11
38	0711 11151	Thermoplastic, Standard, White, Skip, 6" 2'-4' Skip	LF	148
39	711-11-170	Thermoplastic, Standard, White, Arrow	EA	10
40	711-11-211	Thermoplastic, Standard, Yellow, Solid, 6"	NM	0.41
41	711-11-224	Thermoplastic, Standard, Yellow, Solid, 18"	LF	153
42	711-17	Thermoplastic, Remove Existing Thermoplastic Pavement Markings	SF	2,000
43	0400-2-5	Concrete Class II	CY	4
44	0415-1-5	Reinforcing Steel	LB	600
45	0455-2	Timber Piling (10 in. diameter)	LF	1,330
46	0470-1	Timber - 2x4 (Bracing/Blocking)	MB	0.75
47	0470-1	Timber - 2x6 (Railing/Decking)	MB	2.89
48	0470-1	Timber - 2x12 (Joists/Pile Caps)	MB	2.78
49	0470-1	Timber - 4x4 (Posts)	MB	0.63
50	0530-3-3	RipRap - Rubble(Boardwalk & Sidewalk)	TN	1.5
51	0550-10-212	Fencing (9 Gauge Galv. Wire)	LF	570
52	MC-2	Connection Hardware	EA	11,000

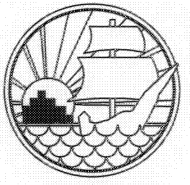


MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

QUANTITY SHEET

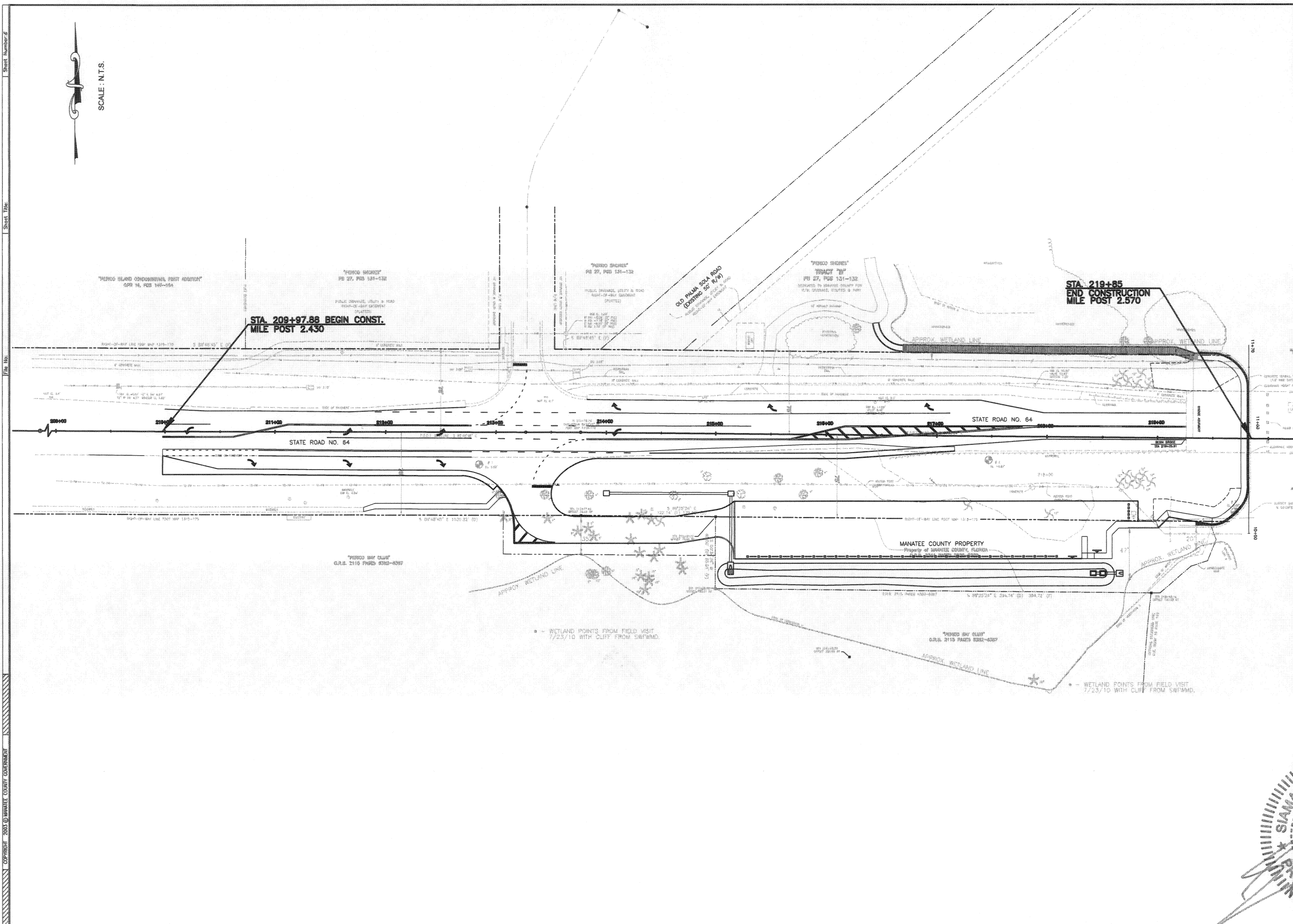
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DESIGNED	HYATT	12/09
DRAWN	HYATT	12/09
CHECKED	C2	12/09
SCALE: N.T.S.		
APPROVED BY:		



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

LIMITS OF CONSTRUCTION SHEET



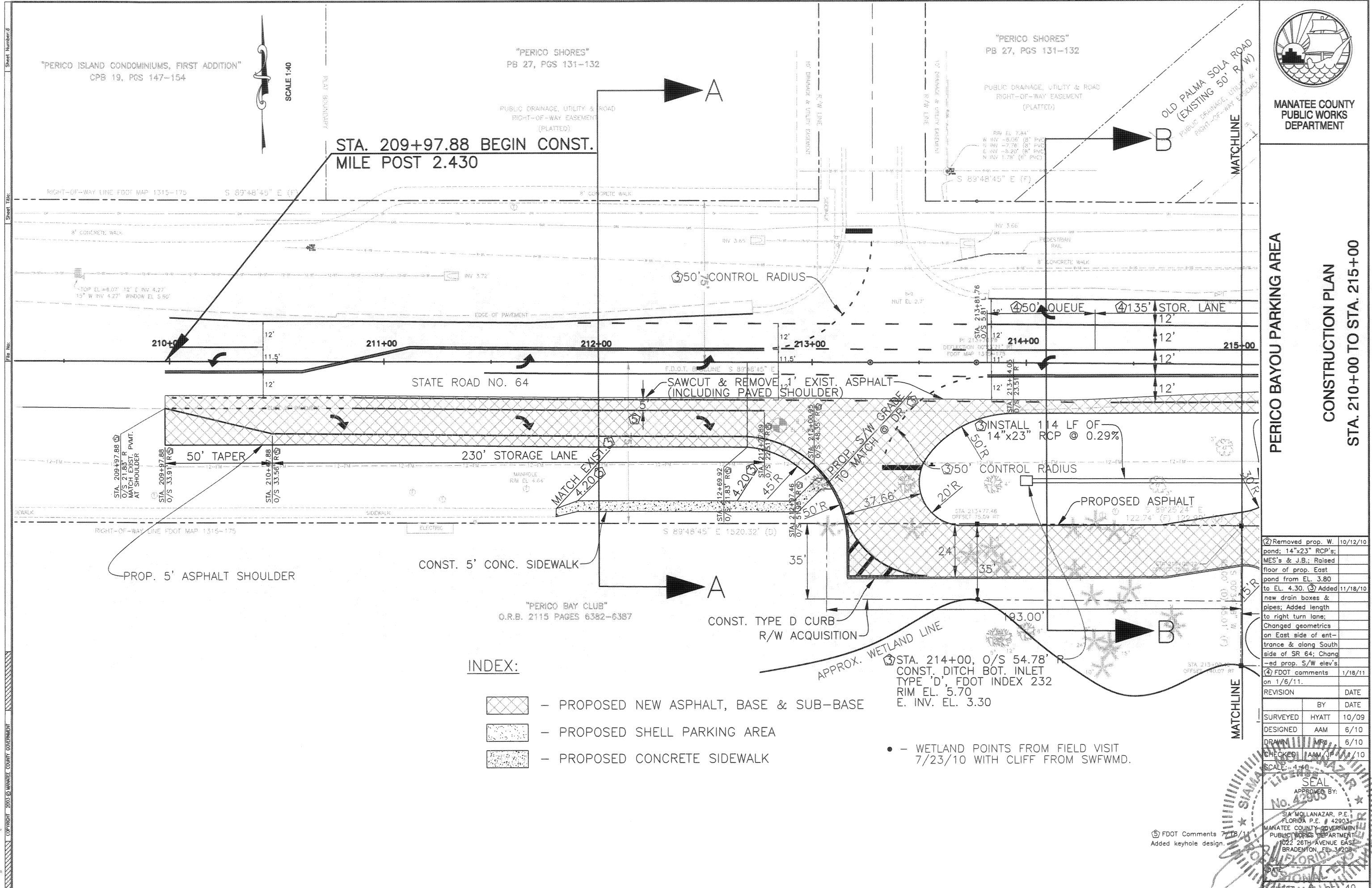
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SURVEYED	HYATT	10/09
DESIGNED	AMM	6/10
DRAWN	MBJ	6/10
CHECKED	AMM/MBJ	6/11/10
SCALE	AS SHOWN	

APPROVED BY:
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 6293
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
1022 26TH AVENUE EAST
TAMPA, FL 33604

DATE: 10/11/10

SHEET 8 OF 40

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 Sheet Title:
 File No.:
 Sheet Number: 8

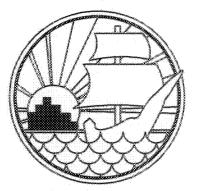


"PERICO ISLAND CONDOMINIUMS, FIRST ADDITION"
CPB 19, PGS 147-154

"PERICO SHORES"
PB 27, PGS 131-132

"PERICO SHORES"
PB 27, PGS 131-132

STA. 209+97.88 BEGIN CONST.
MILE POST 2.430



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

CONSTRUCTION PLAN

STA. 210+00 TO STA. 215+00

INDEX:

- PROPOSED NEW ASPHALT, BASE & SUB-BASE
- PROPOSED SHELL PARKING AREA
- PROPOSED CONCRETE SIDEWALK

(2) Removed prop. W pond; 14"x23" RCP's; MES's & J.B.; Raised floor of prop. East pond from EL. 3.80 to EL. 4.30. (3) Added new drain boxes & pipes; Added length to right turn lane; Changed geometrics on East side of entrance & along South side of SR 64; Changed prop. S/W elev's	10/12/10
(4) FDOT comments	1/18/11
on 1/6/11.	
REVISION	DATE
	BY DATE
SURVEYED	HYATT 10/09
DESIGNED	AAM 6/10
DRAWN	MFB 6/10
CHECKED	AAM 6/10
SCALE: 1"=40'	

APPROVED BY:

SEAL

No. 42903

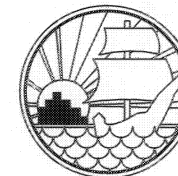
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903

MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL 34209

(5) FDOT Comments
Added keyhole design.

• - WETLAND POINTS FROM FIELD VISIT
7/23/10 WITH CLIFF FROM SWFWMD.

Sheet Number: 6
 Sheet Title:
 File No.:
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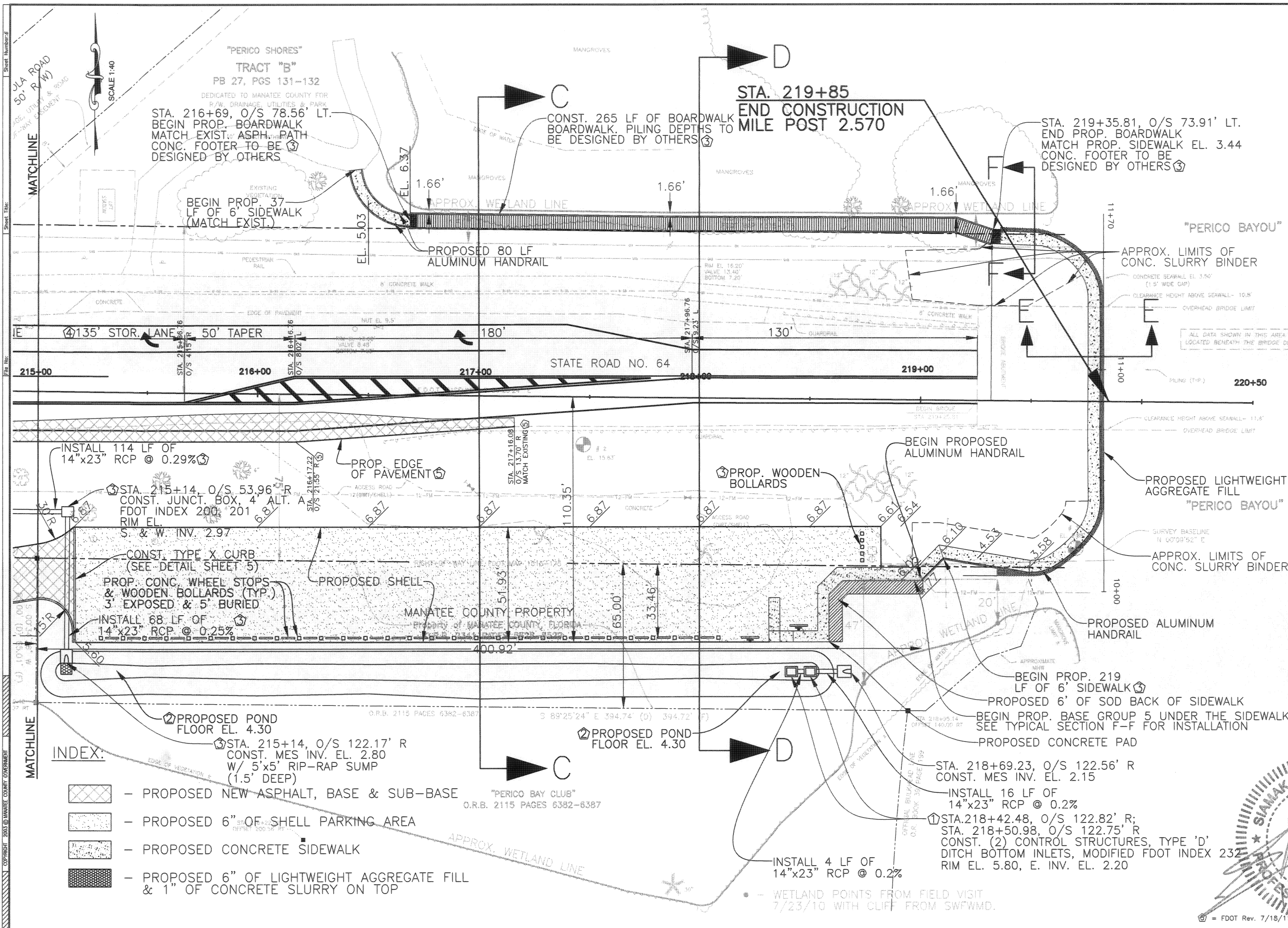


MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

CONSTRUCTION PLAN

STA. 215+00 TO STA. 220+00

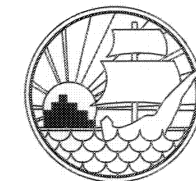


INDEX:

- PROPOSED NEW ASPHALT, BASE & SUB-BASE
- PROPOSED 6" OF SHELL PARKING AREA
- PROPOSED CONCRETE SIDEWALK
- PROPOSED 6" OF LIGHTWEIGHT AGGREGATE FILL & 1" OF CONCRETE SLURRY ON TOP

(1) Changed Rim Elev.	9/15/10
On Control Struct. As Per SWFWMD Rev.	
(2) Removed prop. W. pond, 14"x23" RCP's, MES's & J.B.; Raised floor of prop. East pond from EL. 3.80 to EL. 4.30	11/18/10
(3) Added new drain boxes & pipes; Edited sidewalk around U.P.; Changed geometrics along S. side of SR 64; Rev. BW Elev. & abutment.	1/18/11
(4) FDOT Rev.	1/6/11
REVISION	DATE
SURVEYED	HYATT 10/09
DESIGNED	AAM 6/10
DRAWN	MBL 6/10
CHECKED	AAM/MBL 11/10

Professional Engineer Seal for SIA MOLLANAZAR, No. 42902, State of Florida, P.E. # 42903. The seal includes the text 'MANATEE COUNTY GOVERNMENT PUBLIC WORKS DEPARTMENT' and '1022 26th AVENUE EAST TAMPA FLORIDA 33606'. It also features the signature of the engineer and the date 'APPROVED BY'.



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

TYPICAL SECTION SHEET
SECTIONS A-A THROUGH F-F

③ Edited Sect. A-A & 11/18/10
B-B to show new
drainage & slopes.
④ note added on Typ. 1/18/11
Section F-F.

REVISION	BY	DATE
SURVEYED		
DESIGNED	AAM	06/10
DRAWN	MRJ	10/10
CHECKED	AM/JP	11/10

APPROVED
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42803
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
2226 26TH AVENUE EAST
BRADENTON, FL 34208
DATE: 11/18/11
SHEET 1 OF 40

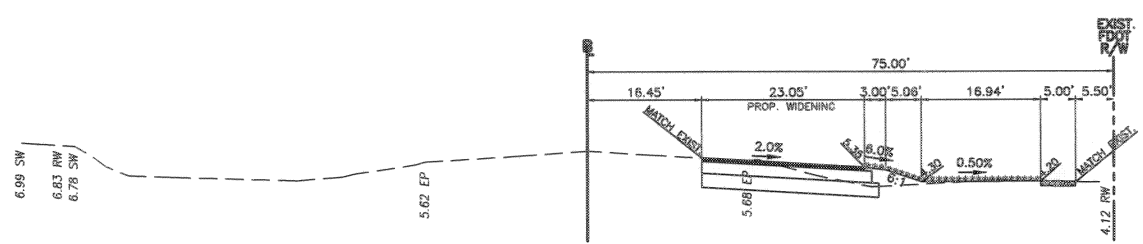
NOTES:

WIDENING:

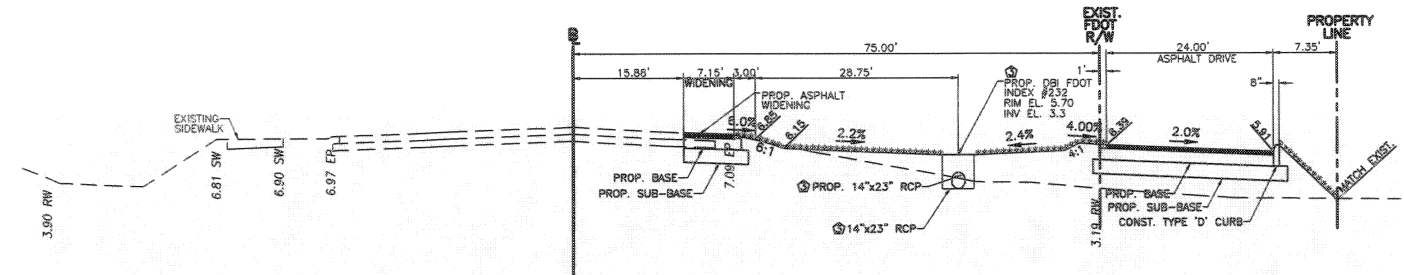
- 1" ASPHALT CONCRETE FC-9.5, TRAFFIC C, RUBBER
- 2" SUPER PAVE ASPHALT CONCRETE S-12.5, TRAFFIC C, 12.5 STRUCTURAL COURSE
- 10" LIMEROCK BASE COMPACTED TO 98% OF MAX. DENSITY, LBR 100
- 12" OF STABILIZED SUB GRADE COMPACTED TO 98% OF MAX. DENSITY, LBR 40.

INDEX:

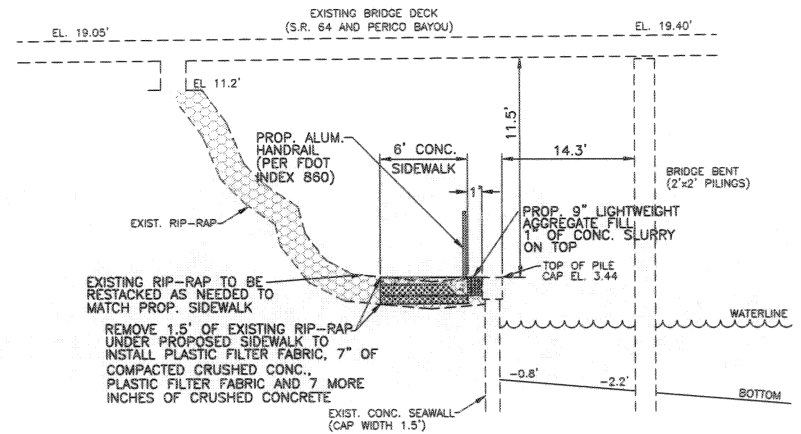
- AREA TO BE SODDED
- AREA OF PROPOSED SHELL



SECTION 'A-A'
STA. 212+00

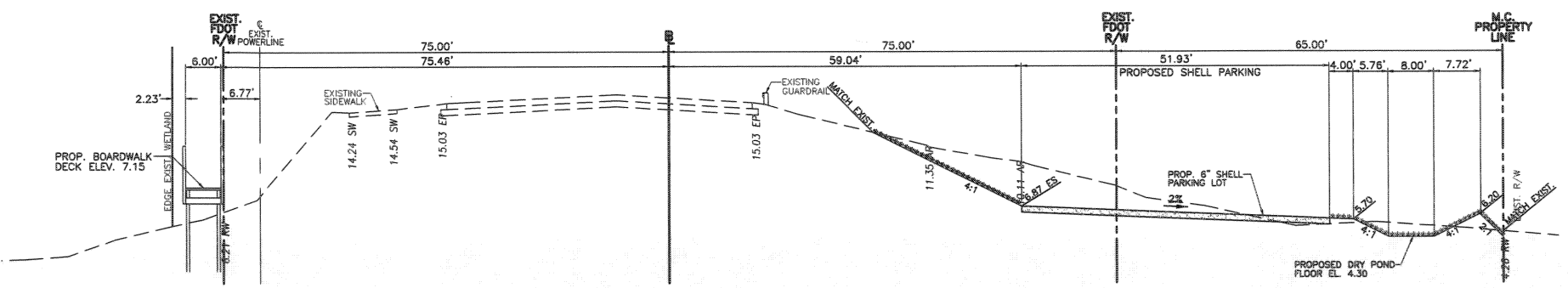


SECTION 'B-B'
STA. 214+00

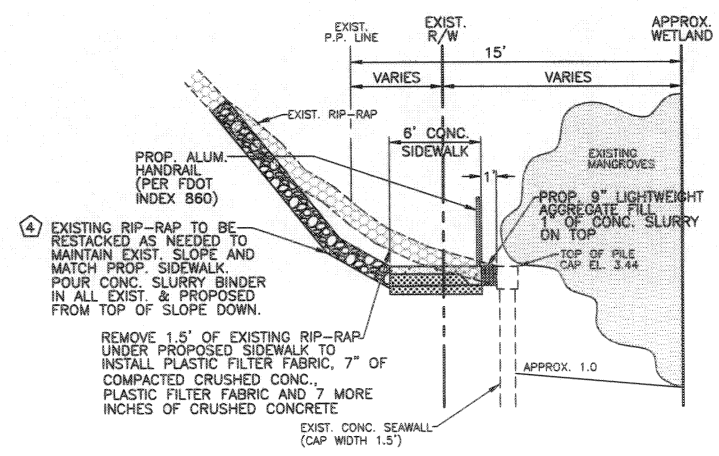


*NOTE: PROPOSED SIDEWALK AND ALUMINUM HANDRAIL TO BE CONSTRUCTED AS PER F.D.O.T. DESIGN STANDARDS, INDEX NO. 860.

TYPICAL SECTION 'E-E'
N.T.S.

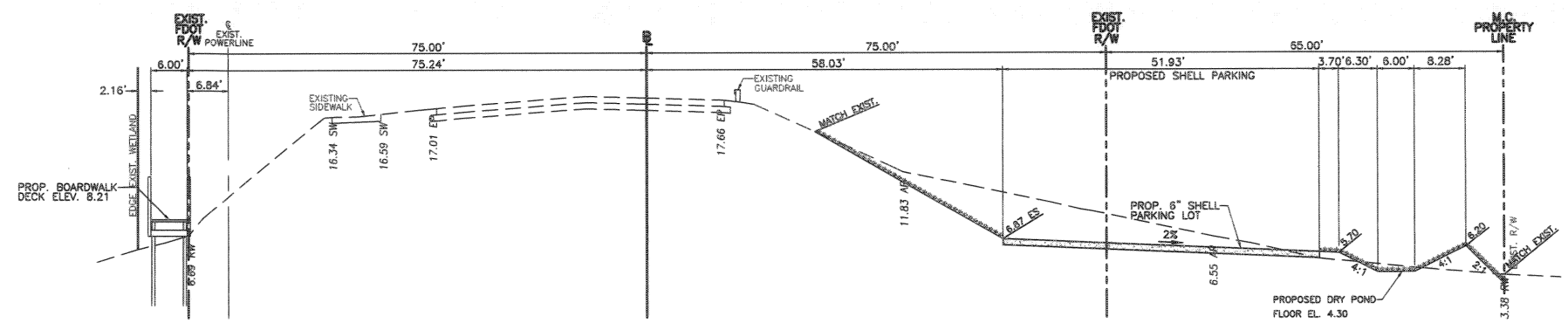


SECTION 'C-C'
STA. 217+00

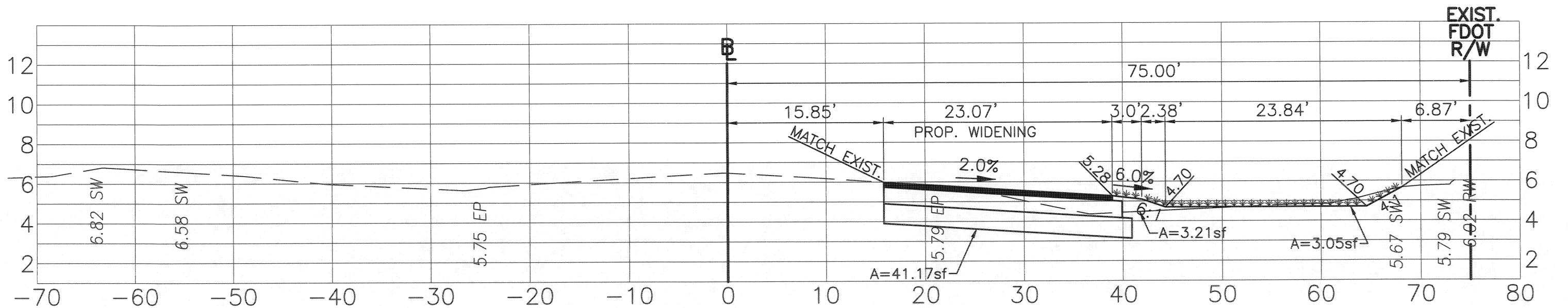
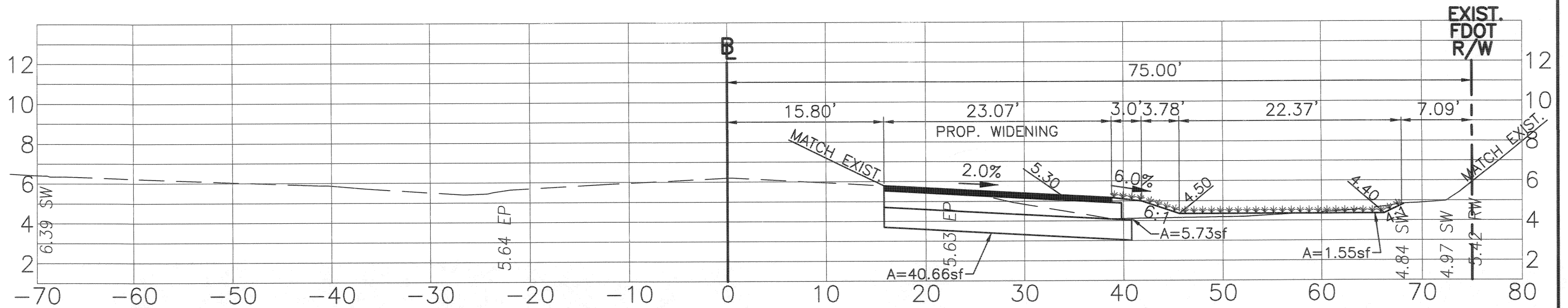


*NOTE: PROPOSED SIDEWALK AND ALUMINUM HANDRAIL TO BE CONSTRUCTED AS PER F.D.O.T. DESIGN STANDARDS, INDEX NO. 860.

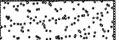
TYPICAL SECTION 'F-F'
N.T.S.

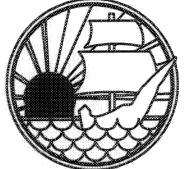


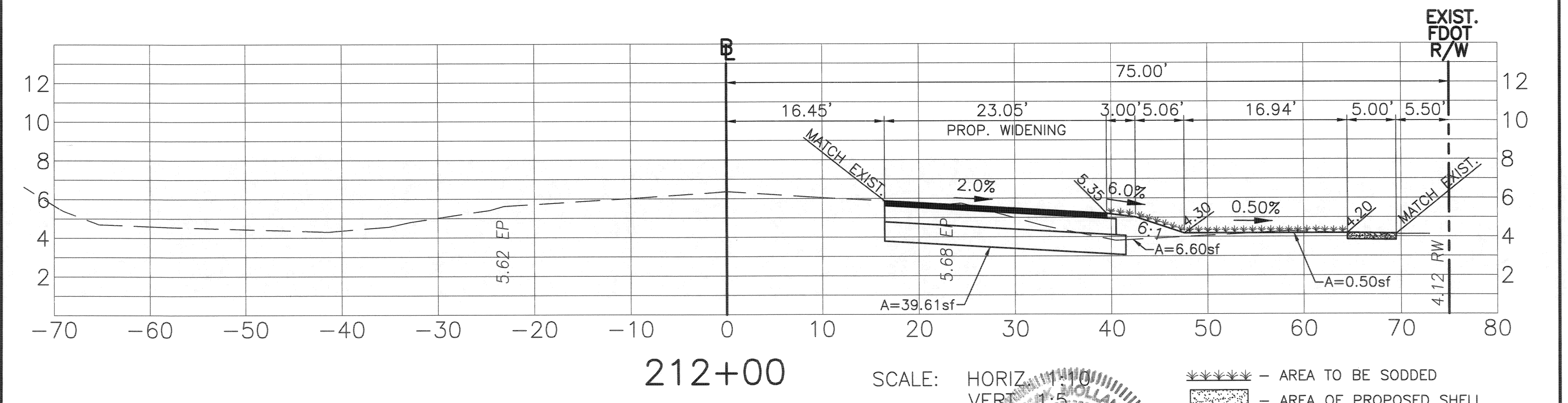
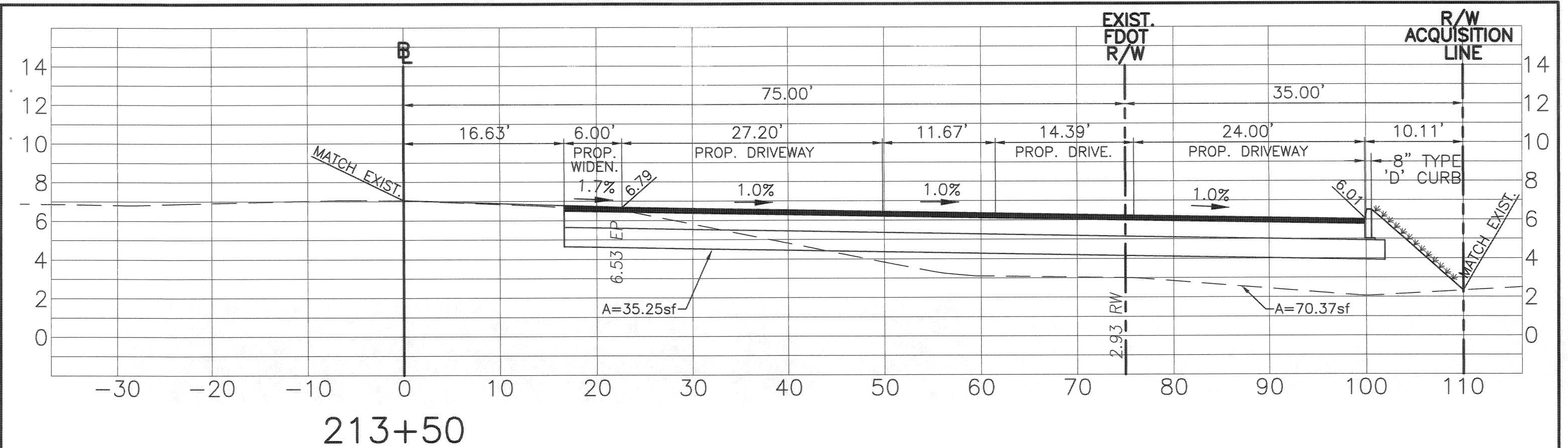
SECTION 'D-D'
STA. 218+00



SCALE: HORIZ. 1:10
VERT. 1:5

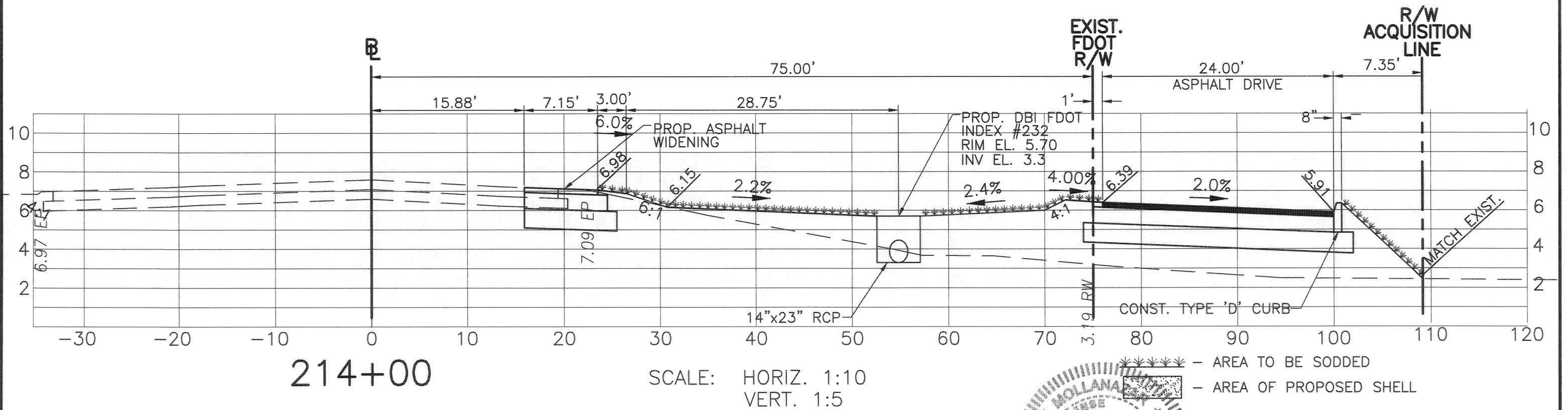
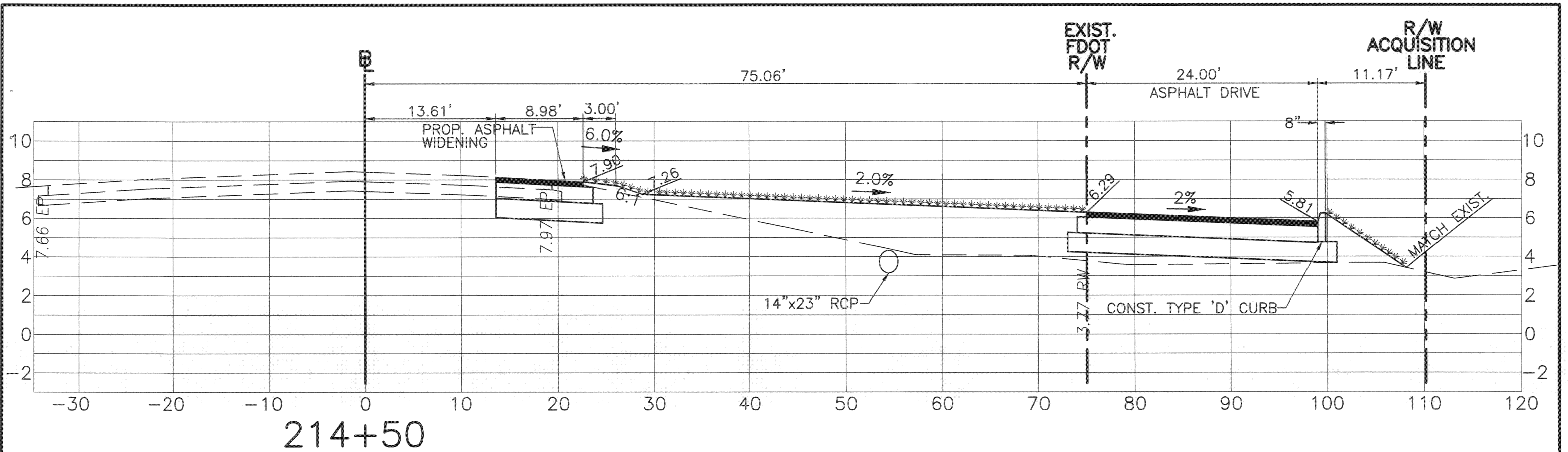
***** - AREA TO BE SODDED
 - AREA OF PROPOSED SHELL

SEC, TWP, RGE	26/34/16	NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.-ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO.	XXXX					SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208	 1022 26TH AVENUE E, BRADENTON, FL 34208	PERICO BAYOU PARKING AREA CROSS-SECTIONS STA. 210+00 & STA. 211+00
PROJECT NUMBER	303-6048720							
	By	Checked	Date					SHEET
SURVEYED	HYATT	XXXX	7/09					12
DRAWN	MRJ	AAM	8/10					40
DESIGNED	AAM	AAM/JP	11/10					



***** - AREA TO BE SODDED
 - AREA OF PROPOSED SHELL

SEC, TWP, RGE 26/34/16		NO.		REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX							SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 212+00 & STA. 213+50
PROJECT NUMBER 303-6048720									
	By	Checked	Date						
SURVEYED	HYATT	XXXX	7/09						
DRAWN	MRJ	AAM	8/10						
DESIGNED	AAM	AAM/JP	11/10						
							SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	40



SCALE: HORIZ. 1:10
VERT. 1:5

***** - AREA TO BE SODDED
- - - - - AREA OF PROPOSED SHELL

SEC, TWP, RGE	26/34/16		
SURVEY BOOK NO.	XXXX		
PROJECT NUMBER	303-6048720		
	By	Checked	Date
SURVEYED	HYATT	XXXX	7/09
DRAWN	MRJ	AAM	8/10
DESIGNED	AAM	AAM/JP	11/10

NO.	REVISION DESCRIPTION	BY	DATE

APPROVED BY:
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY GOVERNMENT
TRANSPORTATION DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL 34208

SIGN AND DATE

PUBLIC WORKS DEPT. - ENGINEERING DIVISION

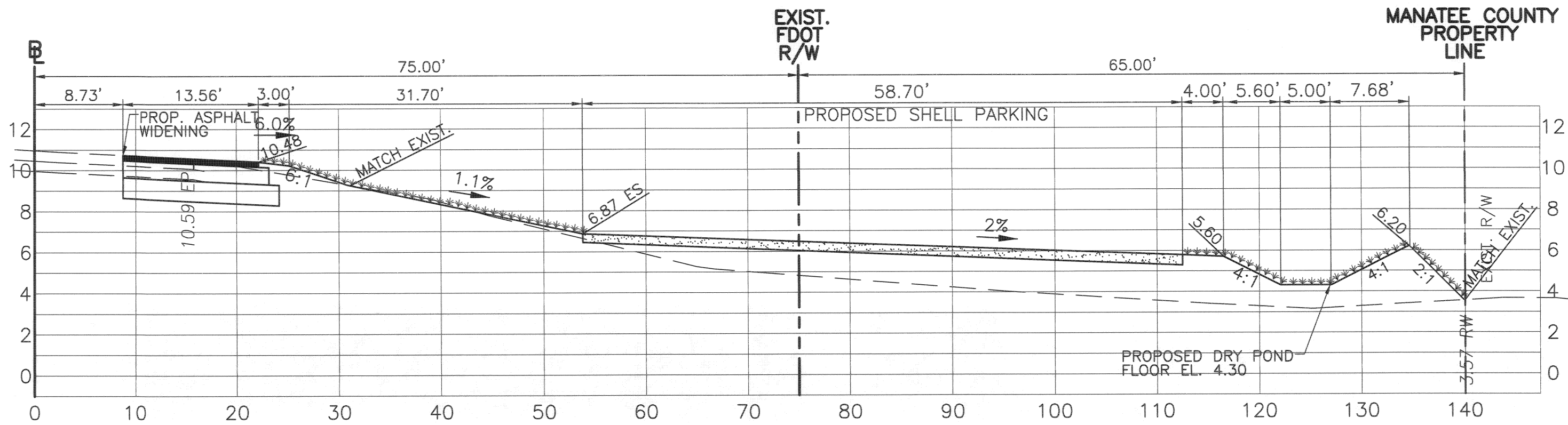
1022 26TH AVENUE E, BRADENTON, FL 34208

PROJECT NAME

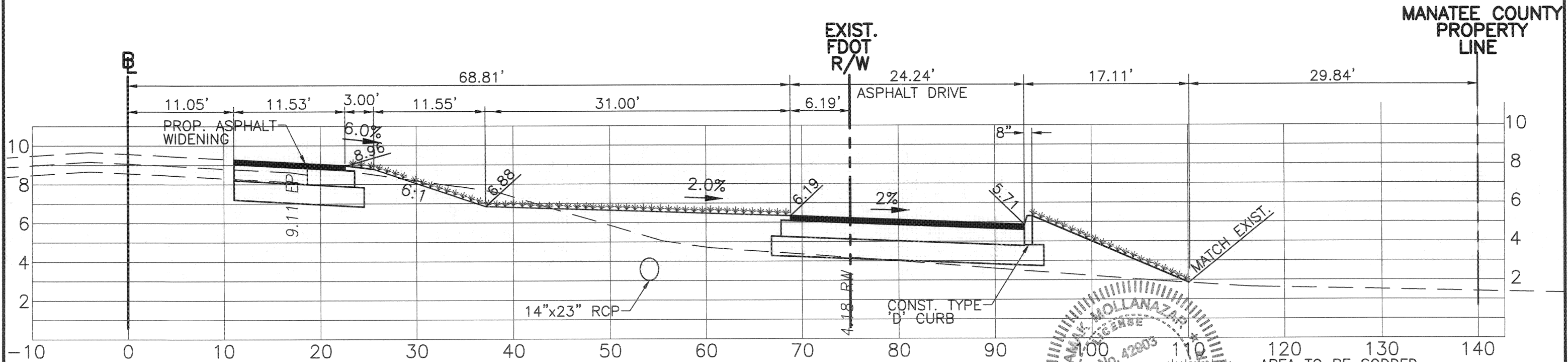
PERICO BAYOU PARKING AREA
CROSS-SECTION
STA. 214+00 & STA. 214+50

FIGURE

SHEET 14 OF 40

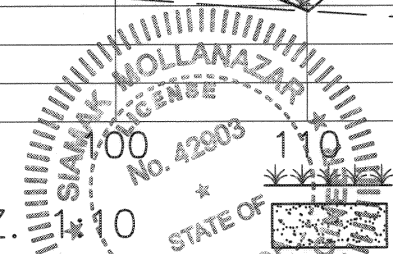


215+50 RIGHT

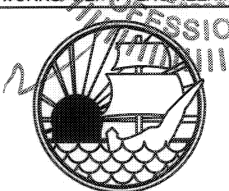


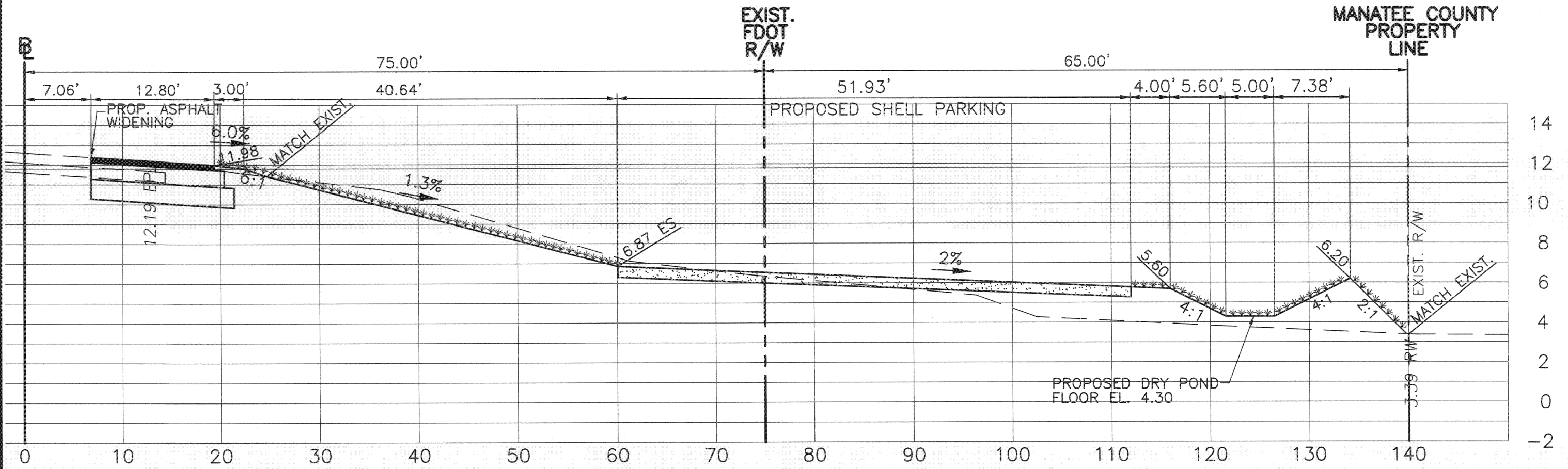
215+00 RIGHT

SCALE: HORIZ. 1" = 10'



- AREA TO BE SODDED
- AREA OF PROPOSED SHELL

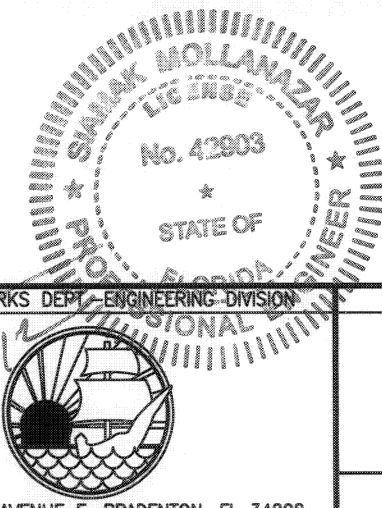
SEC, TWP, RGE	26/34/16	NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO.	XXXX		Changed Pond Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 215+00 R & STA. 215+50 R
PROJECT NUMBER	303-6048720		To 4.30 On Section 215+50					
	By	Checked	Date			SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	SHEET
SURVEYED	HYATT	XXXX	7/09					40
DRAWN	MRJ	AAM	8/10					
DESIGNED	AAM	AAM/JP	11/10					



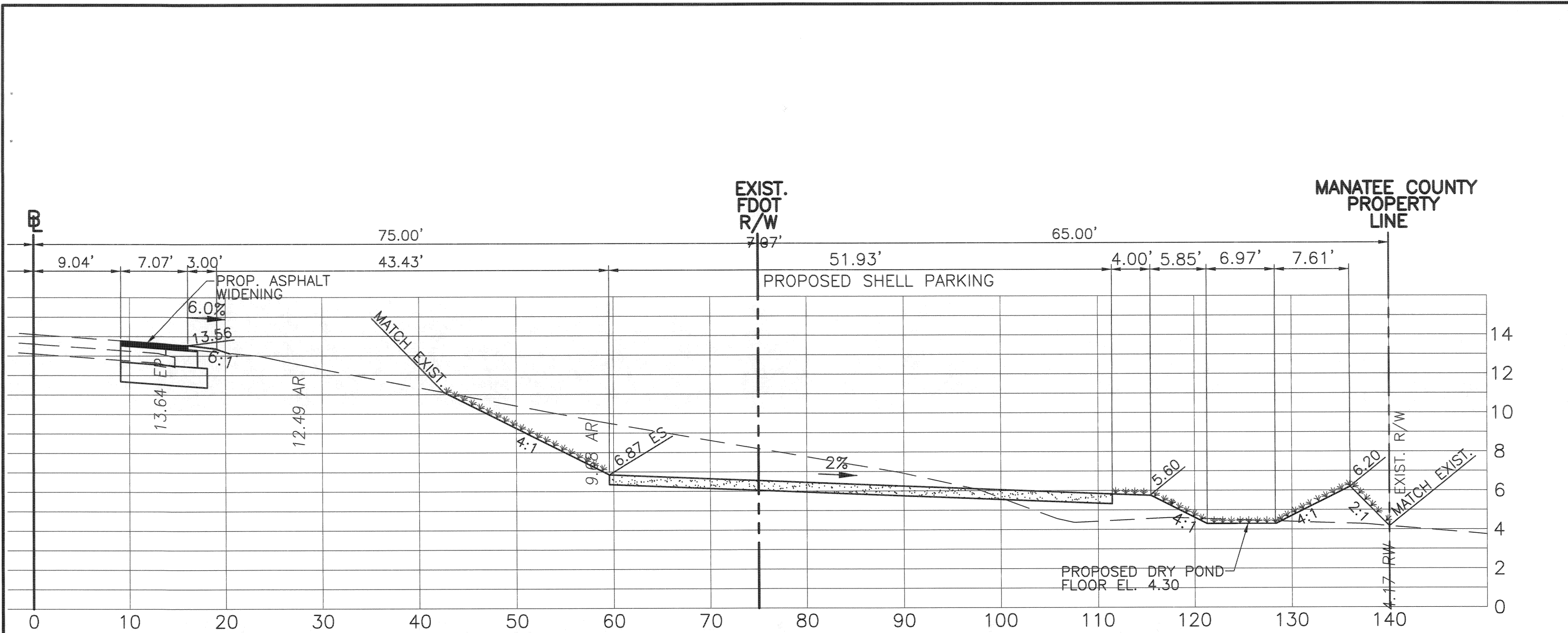
216+00 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- ***** - AREA TO BE SODDED
- ▨ - AREA OF PROPOSED SHELL



SEC, TWP, RGE	26/34/16	NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT - ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO.	XXXX		Changed Pond Floor Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208	1022 26TH AVENUE E, BRADENTON, FL 34208	PERICO BAYOU PARKING AREA CROSS-SECTION STA. 216+00 RIGHT
PROJECT NUMBER	303-6048720		To 4.30 On Section 216+00 Right					
	By	Checked	Date					SHEET
SURVEYED	HYATT	XXXX	7/09					16
DRAWN	MRJ	AAM	8/10					40
DESIGNED	AAM	AAM/JP	11/10					

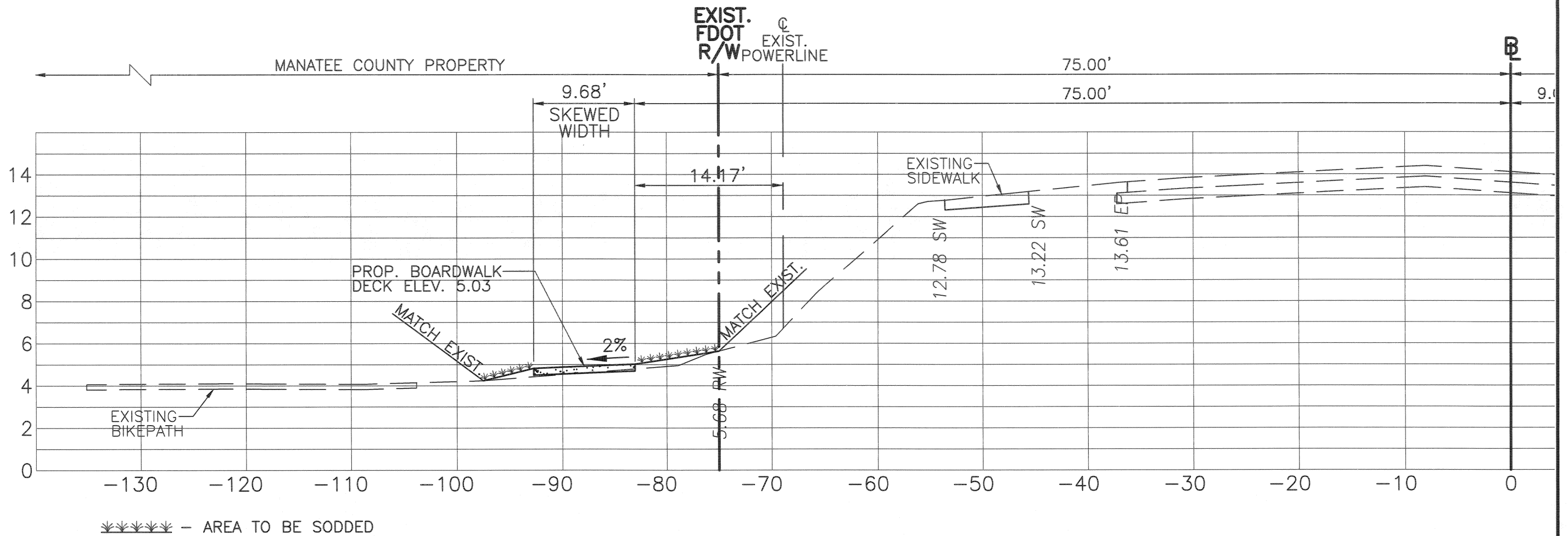


216+50 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- AREA TO BE SODDED
- AREA OF PROPOSED SHELL

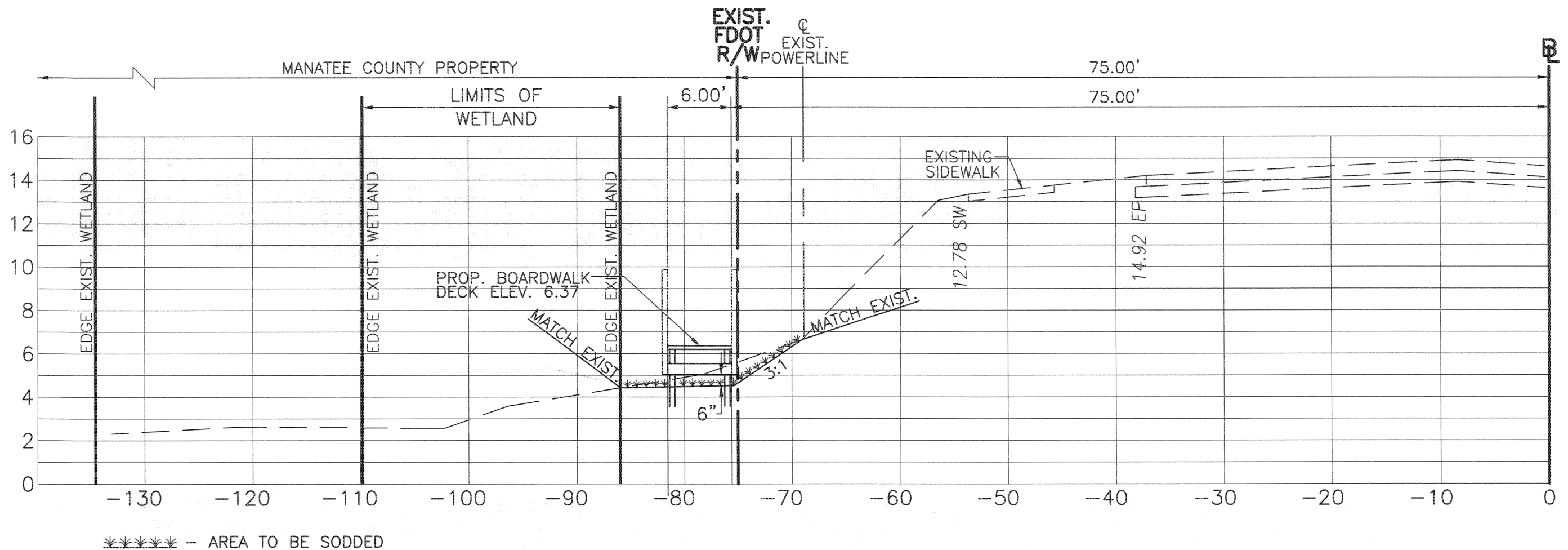
SEC, TWP, RGE 26/34/16		NO.		REVISION DESCRIPTION		BY		DATE		APPROVED BY:		PUBLIC WORKS DEPT.-ENGINEERING DIVISION		PROJECT NAME	
SURVEY BOOK NO. XXXX				Changed Pond Floor Elev. From 3.80		AAM		10/12/10		SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208				PERICO BAYOU PARKING AREA CROSS-SECTION STA. 216+50 RIGHT	
PROJECT NUMBER 303-6048720				To 4.30 On Section 216+50 Right											
	By	Checked	Date											SHEET	
SURVEYED	HYATT	XXXX	7/09											17	
DRAWN	MRJ	AAM	8/10											40	
DESIGNED	AAM	AAM/JP	11/10												



216+50 LEFT

SCALE: HORIZ. 1:10
VERT. 1:5

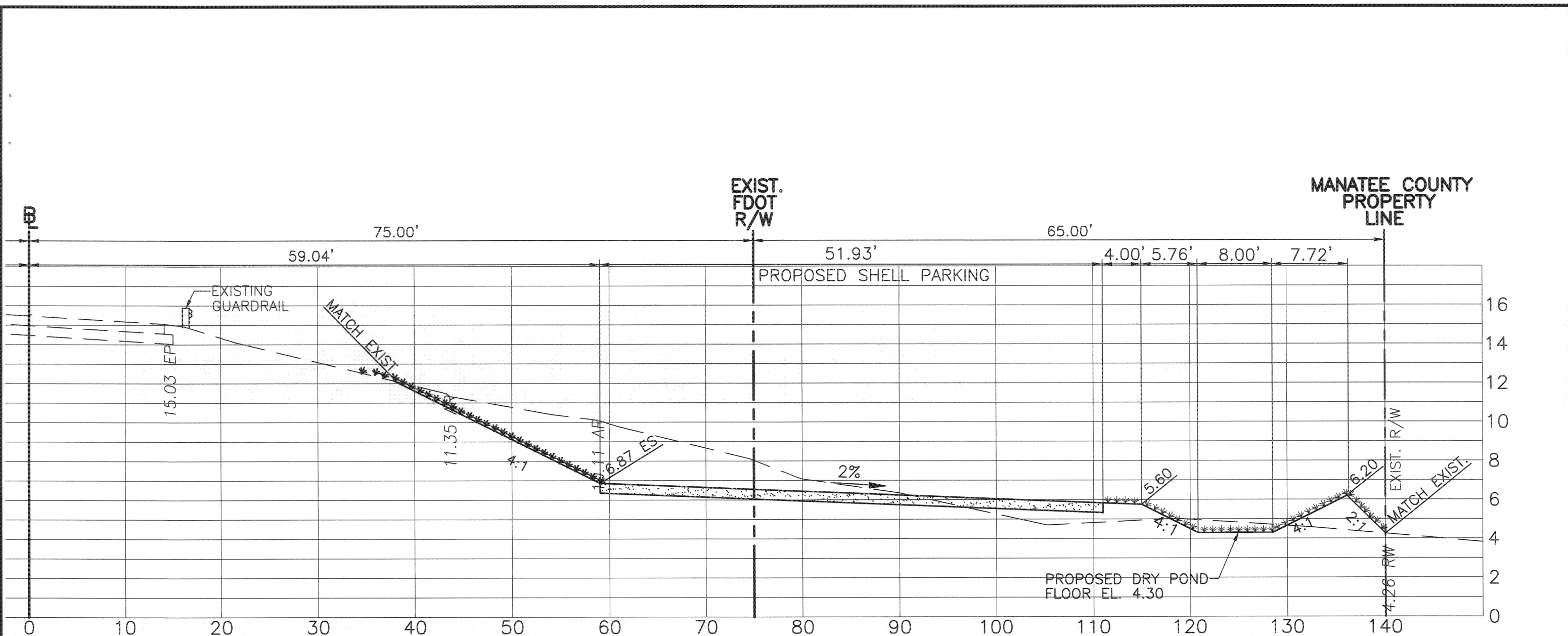
SEC, TWP, RGE 26/34/16				NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX					Changed Boardwalk Deck Elev. From 5.29 To 5.03		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 216+50 LEFT
PROJECT NUMBER 303-6048720							SIGN AND DATE			
	By	Checked	Date							SHEET
SURVEYED	HYATT	XXXX	7/09							18
DRAWN	MRJ	AAM	8/10							40
DESIGNED	AAM	AAM/JP	11/10							



216+69 LEFT

SCALE: HORIZ. 1:10
VERT. 1:5

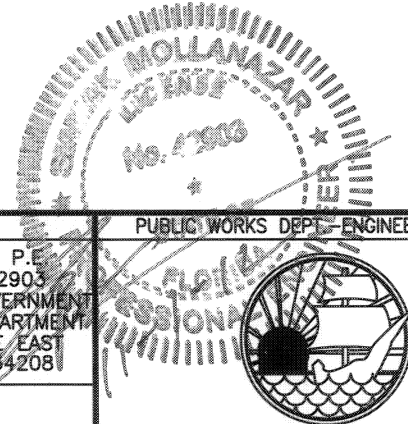
SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.-ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX			Changed Boardwalk Deck Elev. From 5.29 To 5.03		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 216+69 LEFT
PROJECT NUMBER 303-6048720								
	By	Checked	Date					
SURVEYED	HYATT	XXXX	7/09					
DRAWN	MRJ	AAM	8/10					
DESIGNED	AAM	AAM/JP	11/10					
						SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	FIGURE
								SHEET 18a 40

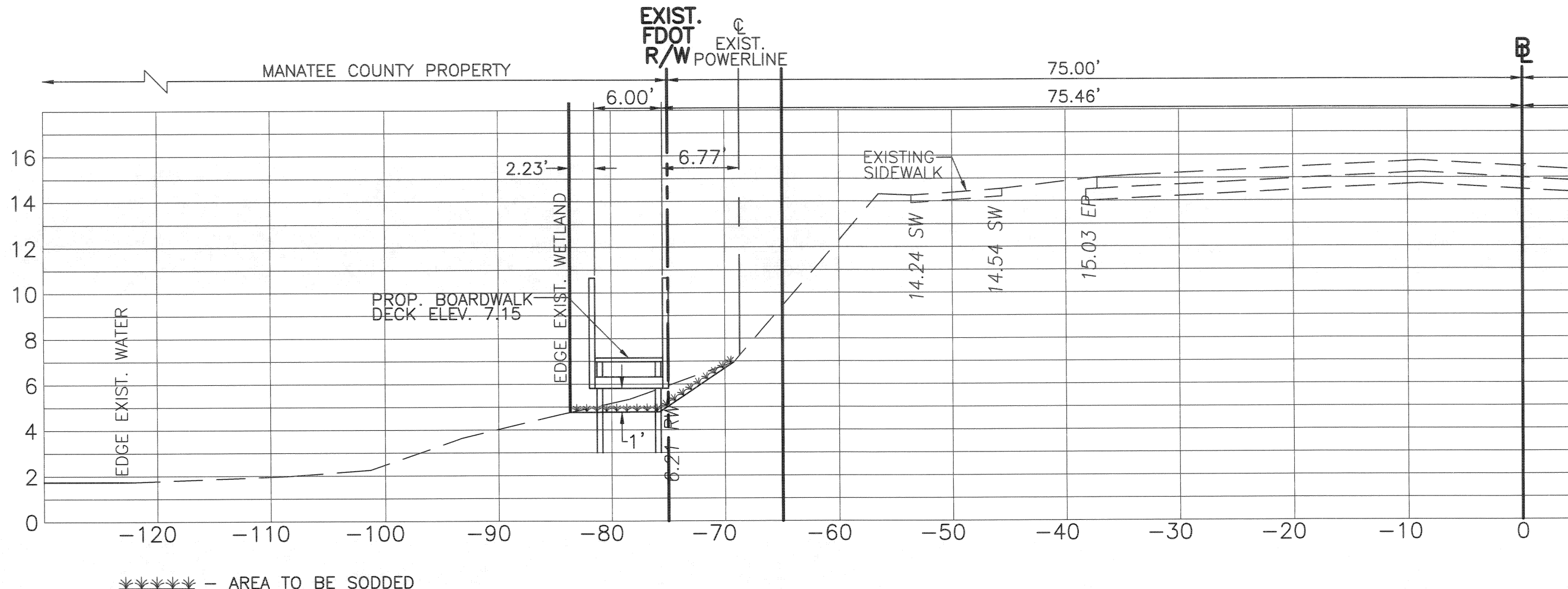


217+00 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- AREA TO BE SODDED
- AREA OF PROPOSED SHELL

SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT - ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX			Changed Pond Floor Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 217+00 RIGHT
PROJECT NUMBER 303-6048720			To 4.30 On Section 217+00 Right					
	By	Checked	Date			SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	SHEET
SURVEYED	HYATT	XXXX	7/09					19
DRAWN	MRJ	AAM	8/10					40
DESIGNED	AAM	AAM/JP	11/10					



217+00 LEFT

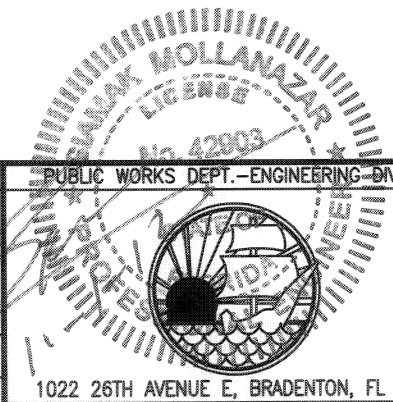
SCALE: HORIZ. 1:10
VERT. 1:5

***** - AREA TO BE SODDED

SEC, TWP, RGE	26/34/16		
SURVEY BOOK NO.	XXXX		
PROJECT NUMBER	303-6048720		
	By	Checked	Date
SURVEYED	HYATT	XXXX	7/09
DRAWN	MRJ	AAM	8/10
DESIGNED	AAM	AAM/JP	11/10

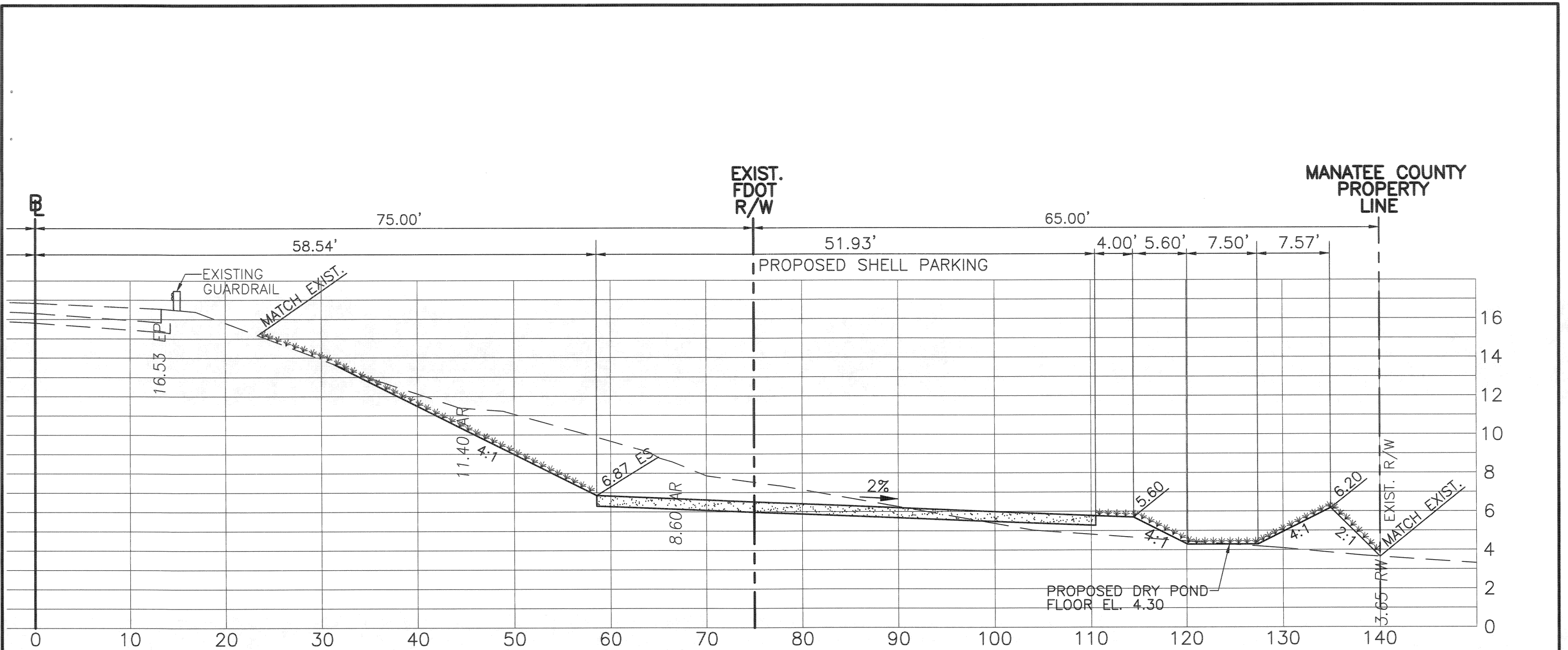
NO.	REVISION DESCRIPTION	BY	DATE
	Changed Boardwalk Deck Elev. From 8.00 To 7.15		11/4/10

APPROVED BY:
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY GOVERNMENT
TRANSPORTATION DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL. 34208



PUBLIC WORKS DEPT.-ENGINEERING DIVISION
1022 26TH AVENUE E, BRADENTON, FL 34208

PROJECT NAME	PERICO BAYOU PARKING AREA CROSS-SECTION STA. 217+00 LEFT
FIGURE	
SHEET	20 / 40

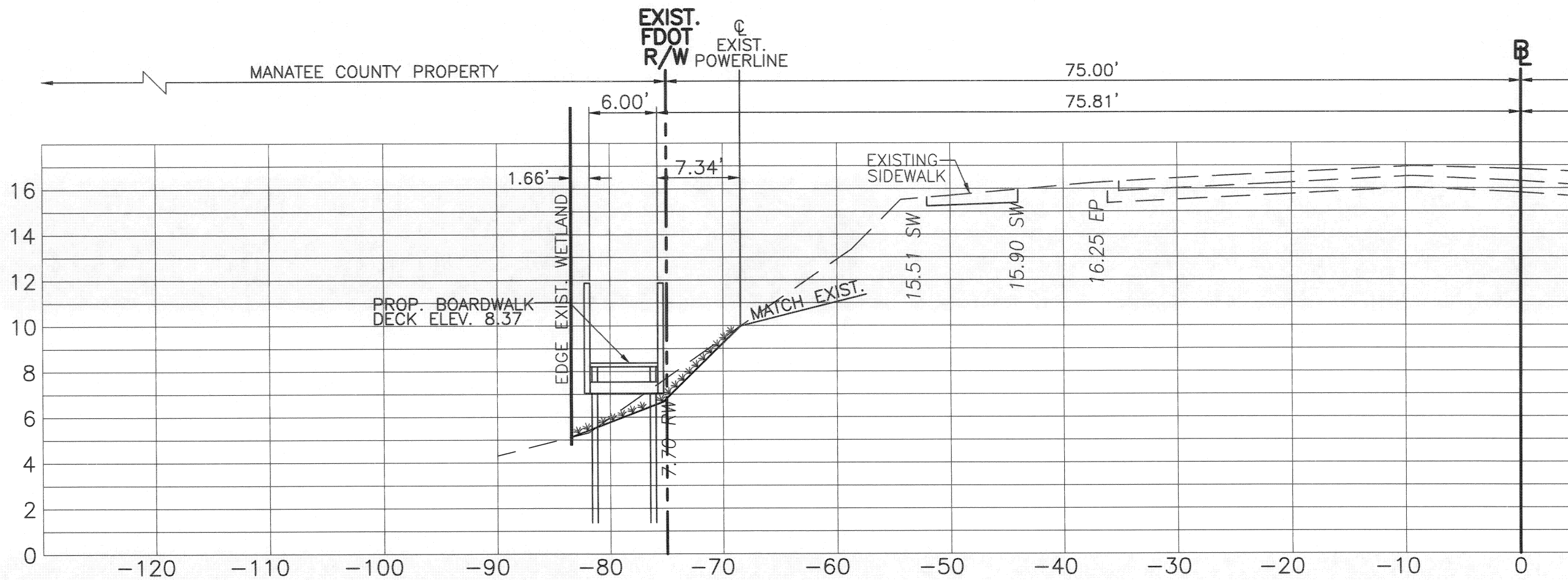


217+50 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- ***** - AREA TO BE SODDED
- ▨ - AREA OF PROPOSED SHELL

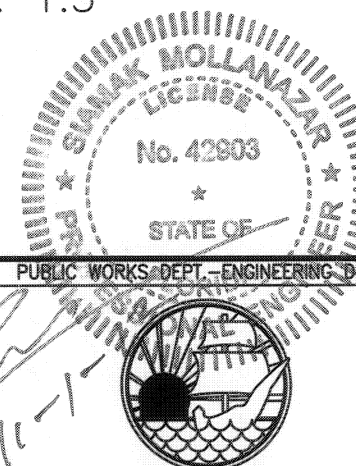
SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.-ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX			Changed Pond Floor Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 217+50 RIGHT
PROJECT NUMBER 303-6048720			To 4.30 On Section 217+50 Right					
	By	Checked	Date			SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	SHEET 21 40
SURVEYED	HYATT	XXXX	7/09					
DRAWN	MRJ	AAM	8/10					
DESIGNED	AAM	AAM/JP	11/10					



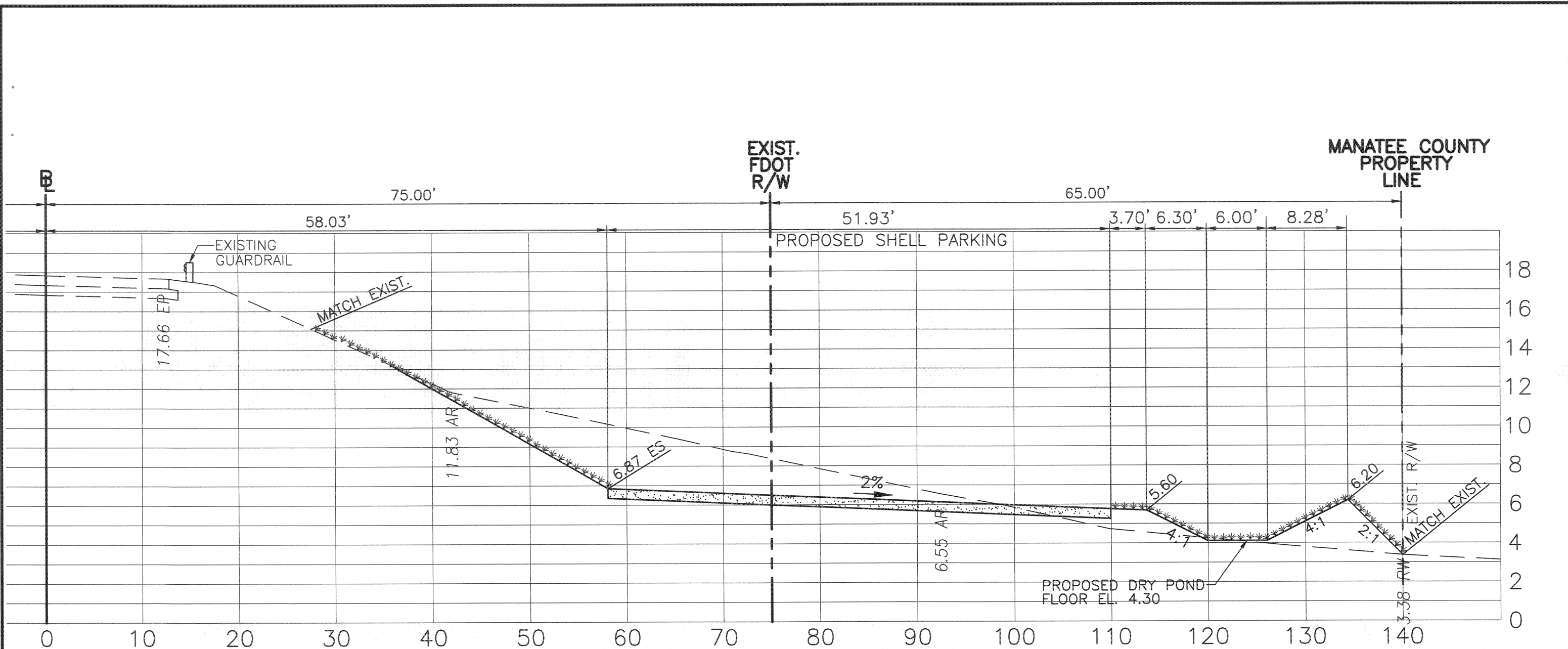
***** - AREA TO BE SODDED

217+50 LEFT

SCALE: HORIZ. 1:10
VERT. 1:5



SEC, TWP, RGE 26/34/16				NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. - ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX					Changed Boardwalk Deck Elev. From 8.00 To 8.37		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 217+50 LEFT
PROJECT NUMBER 303-6048720										
	By	Checked	Date							
SURVEYED	HYATT	XXXX	7/09							
DRAWN	MRJ	AAM	8/10							
DESIGNED	AAM	AAM/JP	11/10							
SIGN AND DATE									1022 26TH AVENUE E, BRADENTON, FL 34208	FIGURE
										SHEET 22 40

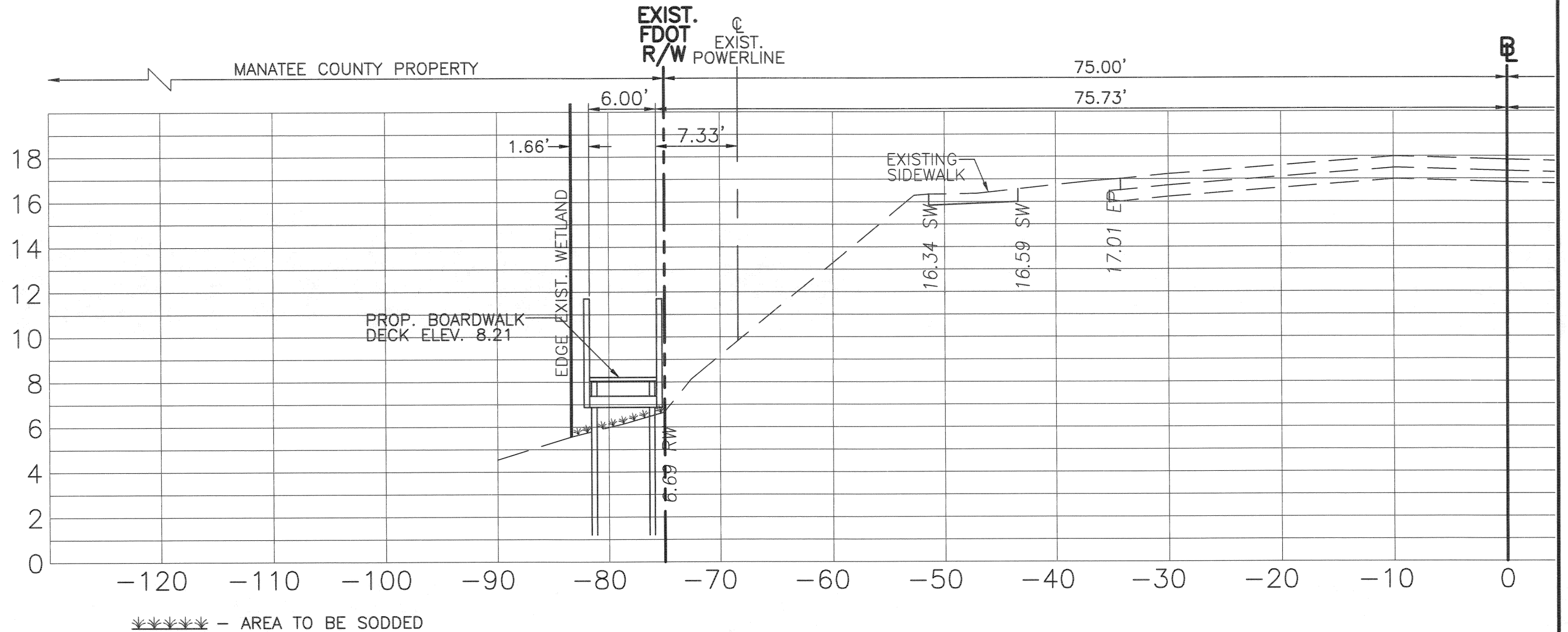


218+00 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

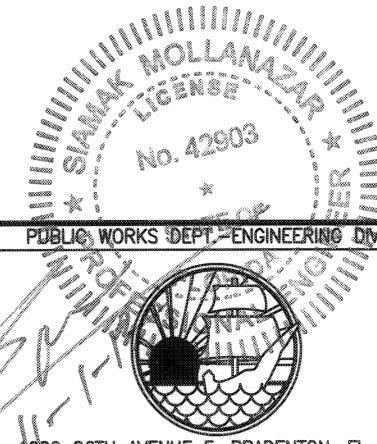
- AREA TO BE SODDED
- AREA OF PROPOSED SHELL

SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.-ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX			Changed Pond Floor Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 218+00 RIGHT
PROJECT NUMBER 303-6048720			To 4.30 On Section 218+00 Right					
	By	Checked	Date			SIGN AND DATE	1022 26TH AVENUE E, BRADENTON, FL 34208	SHEET 23 40
SURVEYED	HYATT	XXXX	7/09					
DRAWN	MRJ	AAM	8/10					
DESIGNED	AAM	AAM/JP	11/10					

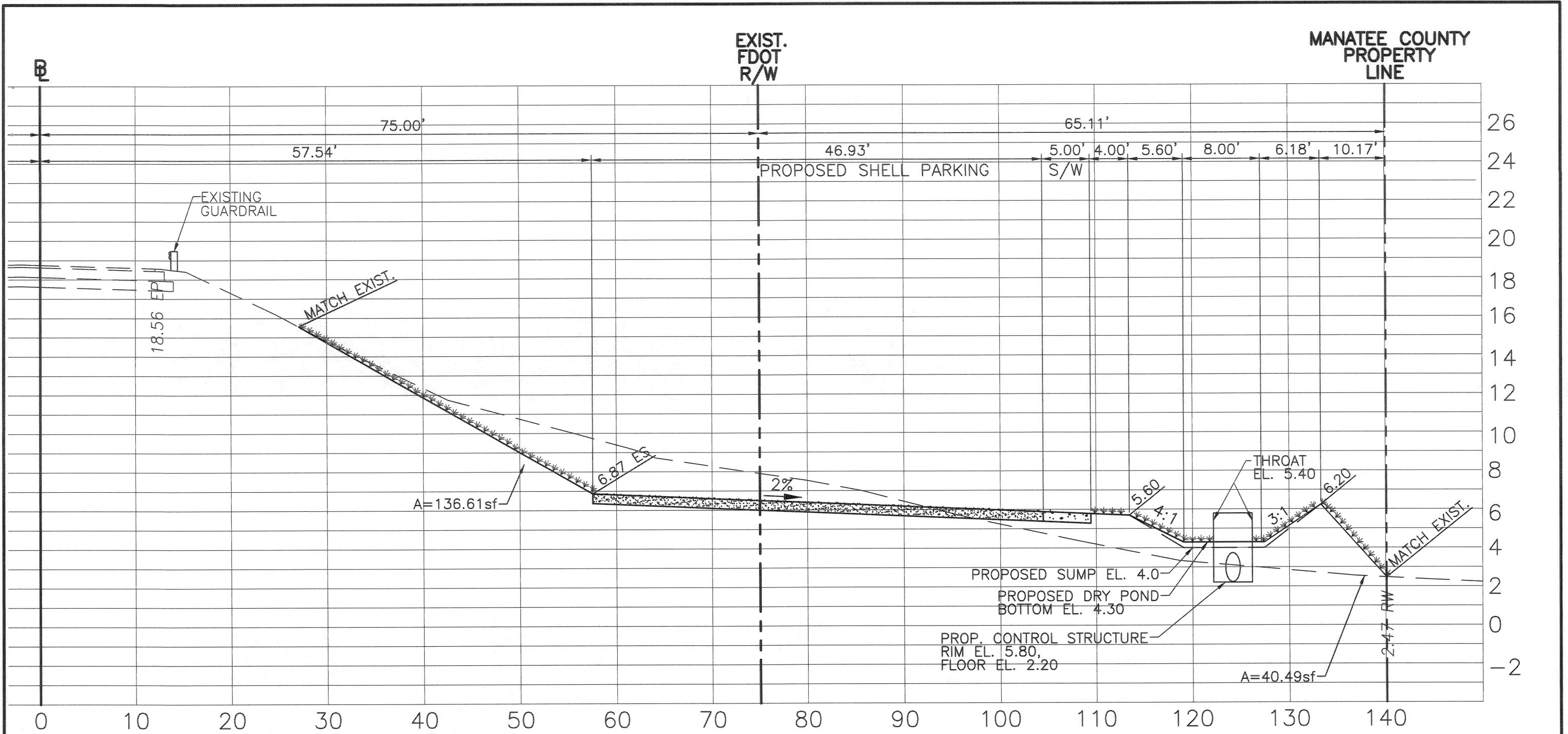


218+00 LEFT

SCALE: HORIZ. 1:10
VERT. 1:5



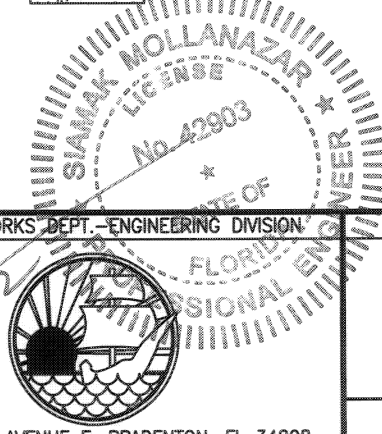
SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. - ENGINEERING DIVISION	PROJECT NAME	
SURVEY BOOK NO. XXXX			Changed Boardwalk Deck Elev. From 8.00 To 8.21		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 218+00 LEFT	
PROJECT NUMBER 303-6048720									
	By	Checked	Date						
SURVEYED	HYATT	XXXX	7/09						
DRAWN	MRJ	AAM	8/10						
DESIGNED	AAM	AAM/JP	11/10						
SIGN AND DATE							1022 26TH AVENUE E, BRADENTON, FL 34208	FIGURE	SHEET 24 40



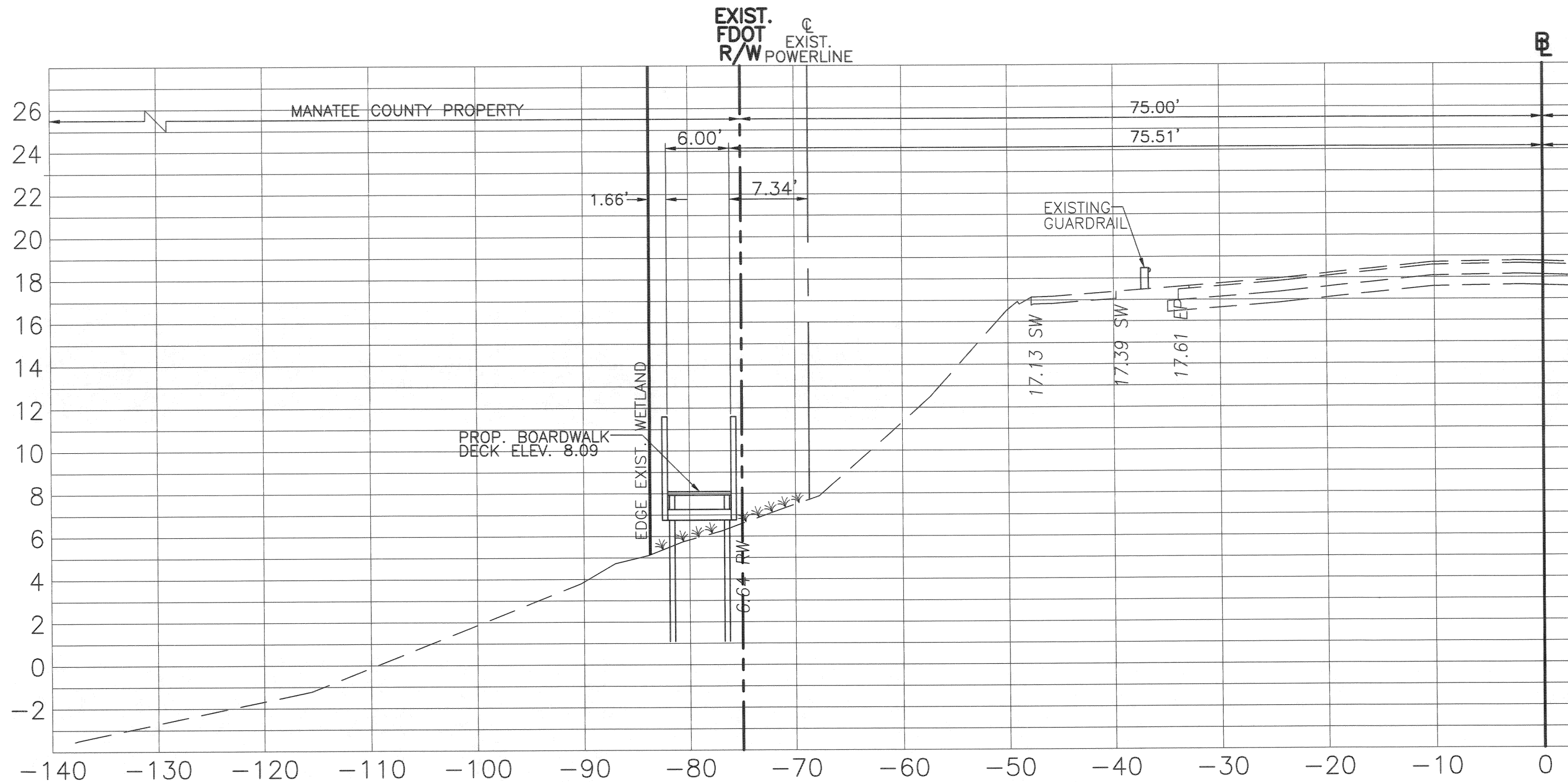
218+50 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- AREA TO BE SODDED
 - AREA OF PROPOSED SHELL



SEC, TWP, RGE 26/34/16		NO.		REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.-ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO. XXXX				Changed Pond Floor Elev. From 3.80	AAM	10/12/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208	1022 26TH AVENUE E, BRADENTON, FL 34208	PERICO BAYOU PARKING AREA CROSS-SECTION STA. 218+50 RIGHT
PROJECT NUMBER 303-6048720				To 4.30 On Section 218+50 Right					
	By	Checked	Date						
SURVEYED	HYATT	XXXX	7/09						
DRAWN	MRJ	AAM	8/10						
DESIGNED	AAM	AAM/JP	11/10						
SIGN AND DATE									FIGURE
									SHEET 25 40

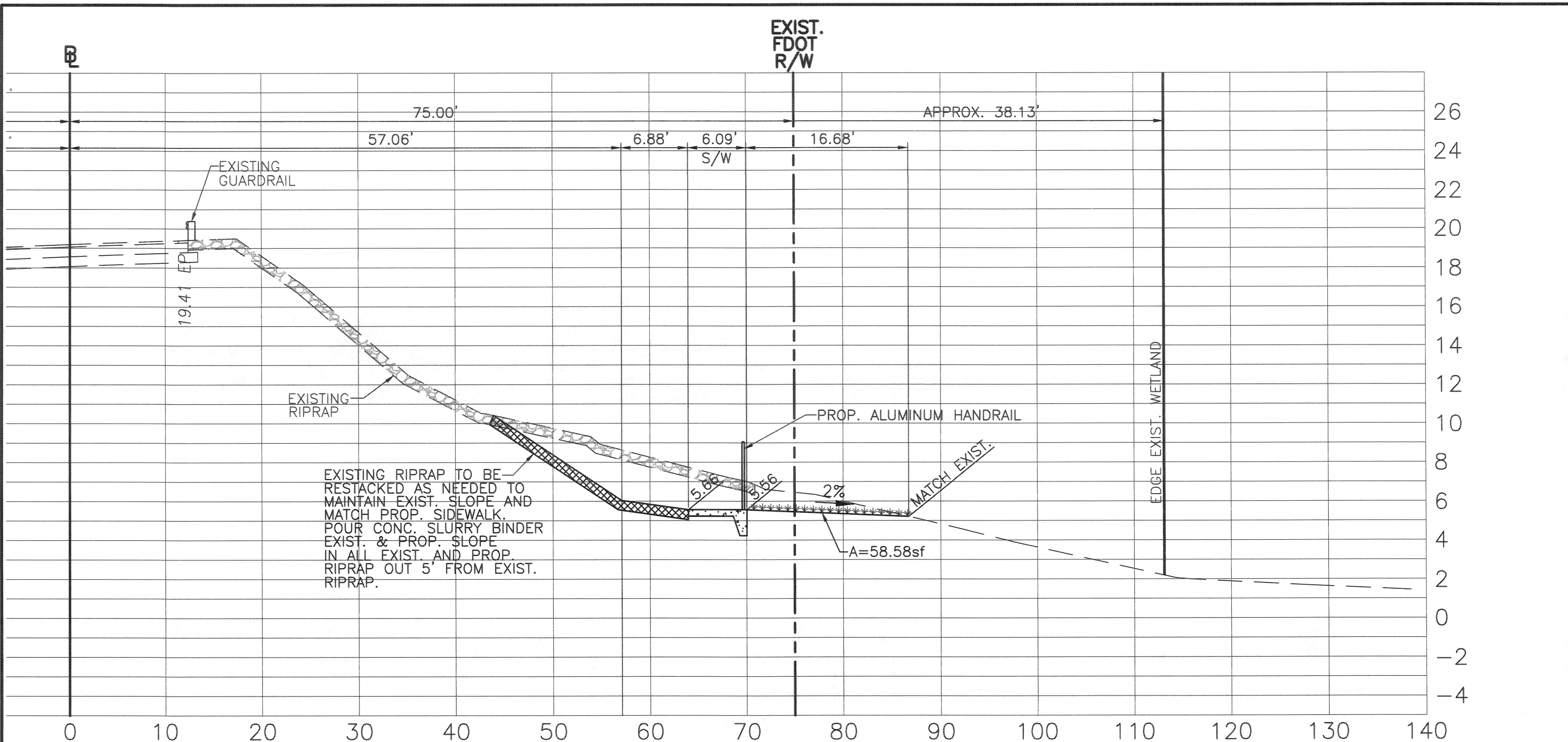


- AREA TO BE SODDED
 - AREA OF PROPOSED SHELL

218+50 LEFT

SCALE: HORIZ. 1"=100'
 VERT. 1"=5'
 SIA MOLLANAZAR, P.E.
 LICENSE # 42903
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 11-1-10
 1022 26TH AVENUE E, BRADENTON, FL 34208

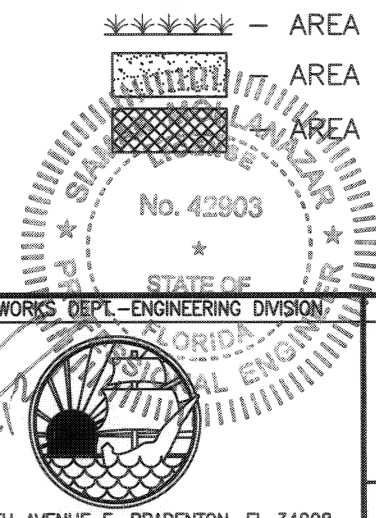
SEC, TWP, RGE 26/34/16		NO.		REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT - ENGINEERING DIVISION		PROJECT NAME
SURVEY BOOK NO. XXXX				Changed Boardwalk Deck Elev. From 8.00 To 8.09		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208	PERICO BAYOU PARKING AREA CROSS-SECTION STA. 218+50 LEFT		
PROJECT NUMBER 303-6048720										
	By	Checked	Date							
SURVEYED	HYATT	XXXX	7/09							
DRAWN	MRJ	AAM	8/10							
DESIGNED	AAM	AAM/JP	11/10							
SIGN AND DATE								1022 26TH AVENUE E, BRADENTON, FL 34208		FIGURE
										SHEET
										26
										40



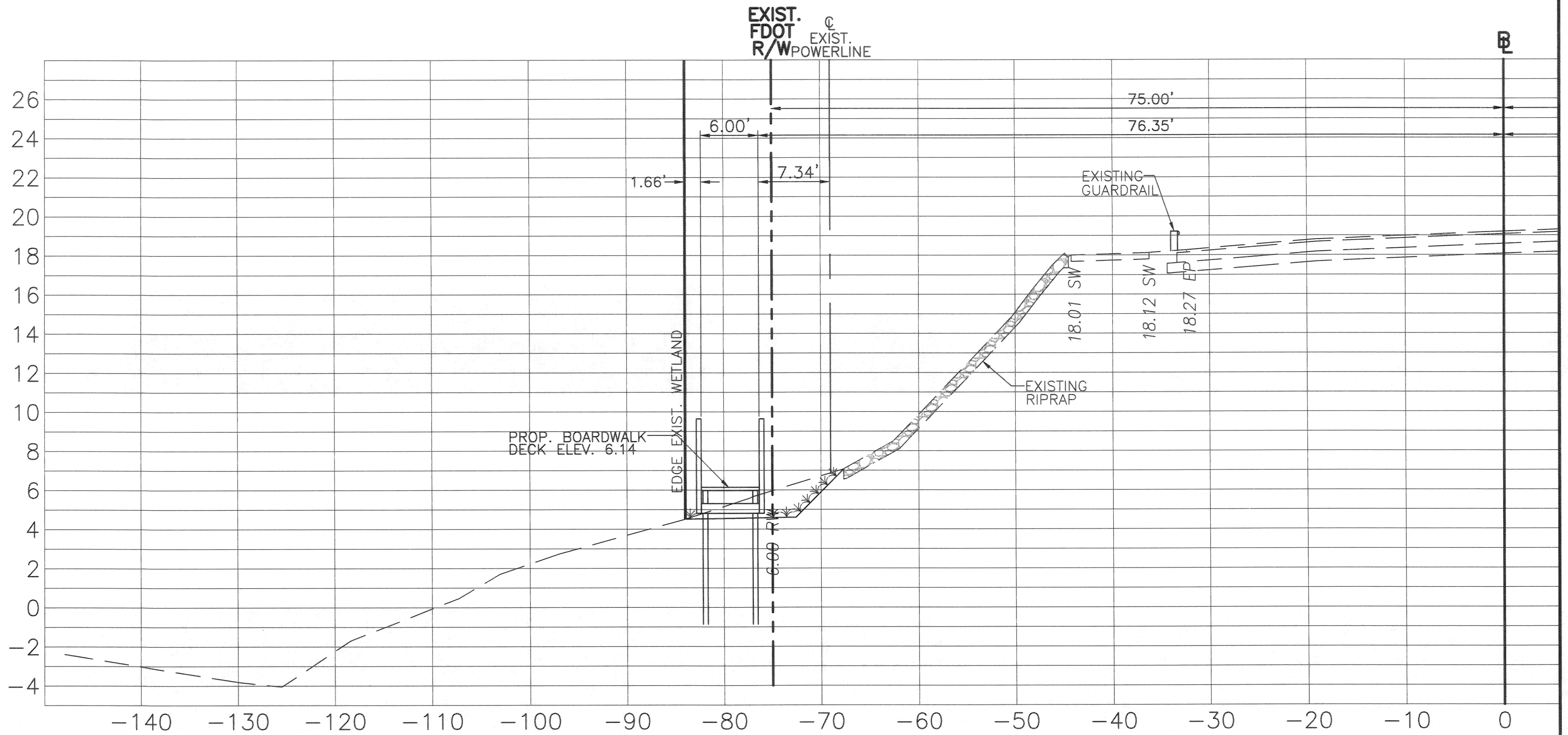
219+00 RIGHT

SCALE: HORIZ. 1:10
VERT. 1:5

- *** - AREA TO BE SODDED
- [Cross-hatched pattern] - AREA OF PROPOSED SHELL
- [Dotted pattern] - AREA OF RIPRAP RELOCATION



SEC, TWP, RGE 26/34/16		NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT.—ENGINEERING DIVISION	PROJECT NAME	
SURVEY BOOK NO. XXXX			Edited RipRap note.		1/18/11	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 219+00 RIGHT	
PROJECT NUMBER 303-6048720									
	By	Checked	Date						
SURVEYED	HYATT	XXXX	7/09						
DRAWN	MRJ	AAM	8/10						
DESIGNED	AAM	AAM/JP	11/10						
SIGN AND DATE							1022 26TH AVENUE E, BRADENTON, FL 34208	FIGURE	SHEET 27 40

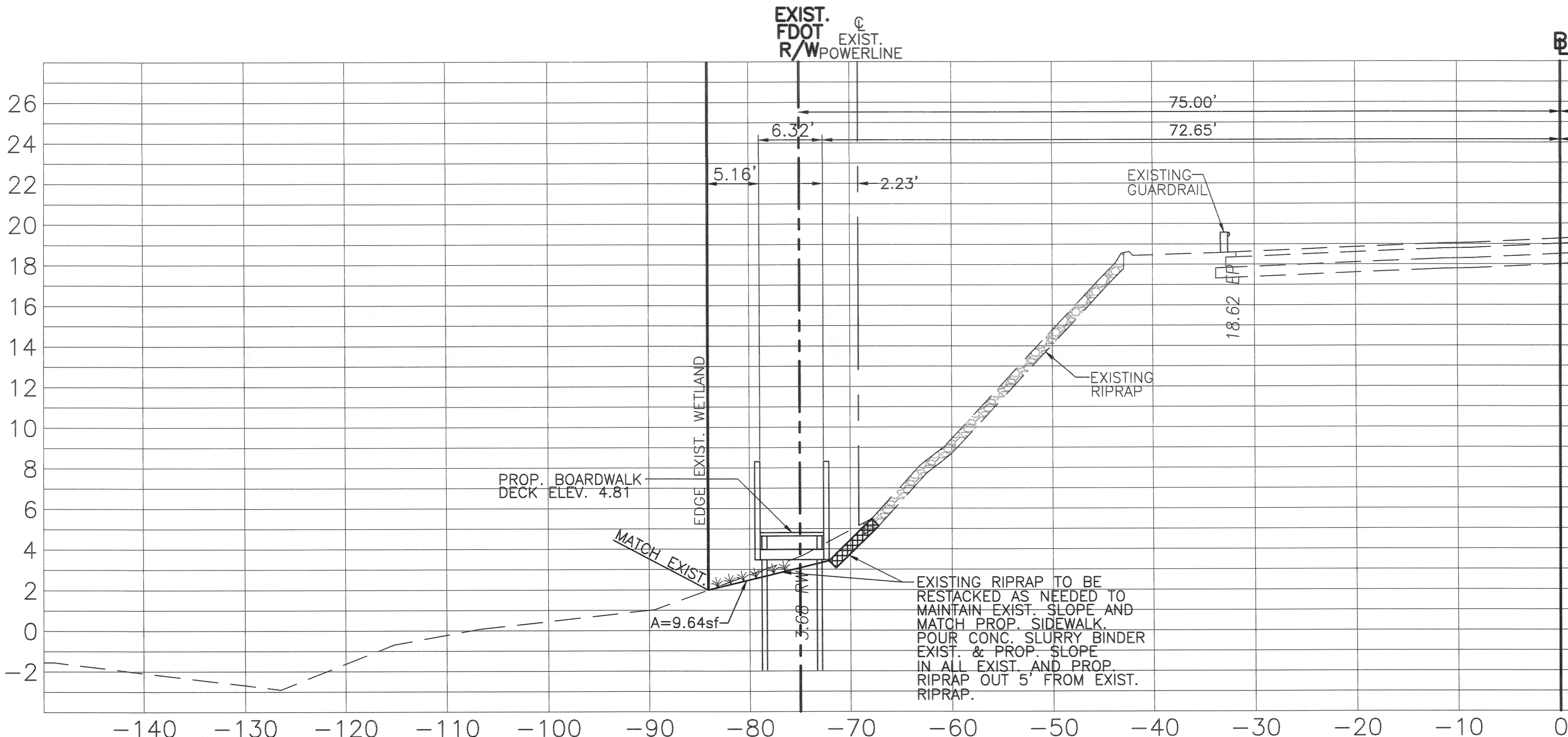


- AREA TO BE SODDED
 - AREA OF PROPOSED SHELL

219+00 LEFT

SCALE: HORIZ: 10
 VERT: 15
 SIA MOLLANAZAR, P.E.
 LICENSE NO. 42903
 MANATEE COUNTY GOVERNMENT
 TRANSPORTATION DEPARTMENT
 1022 26TH AVENUE EAST
 BRADENTON, FL. 34208

SEC, TWP, RGE	26/34/16			NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. - ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO.	XXXX				Changed Boardwalk Deck Elev. From 8.00 To 6.14		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL. 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 219+00 LEFT
PROJECT NUMBER	303-6048720									
	By	Checked	Date							
SURVEYED	HYATT	XXXX	7/09							
DRAWN	MRJ	AAM	8/10							
DESIGNED	AAM	AAM/JP	11/10							
SIGN AND DATE									1022 26TH AVENUE E, BRADENTON, FL 34208	FIGURE
										SHEET 28 40



- AREA TO BE SODDED
- AREA OF PROPOSED SHELL
- AREA OF FILL

219+25.81 LEFT

SCALE HORIZ. : 10
VERT. : 5

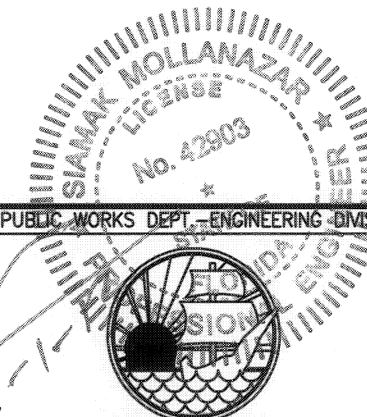
SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY GOVERNMENT
TRANSPORTATION DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL 34208

SEC, TWP, RGE	26/34/16	NO.	REVISION DESCRIPTION	BY	DATE	APPROVED BY:	PUBLIC WORKS DEPT. ENGINEERING DIVISION	PROJECT NAME
SURVEY BOOK NO.	XXXX		Changed Boardwalk Deck Elev. From 4.76 To 4.81		11/4/10	SIA MOLLANAZAR, P.E. FLORIDA P.E. # 42903 MANATEE COUNTY GOVERNMENT TRANSPORTATION DEPARTMENT 1022 26TH AVENUE EAST BRADENTON, FL 34208		PERICO BAYOU PARKING AREA CROSS-SECTION STA. 219+25.81 LEFT
PROJECT NUMBER	303-6048720		Edited RipRap note.		1/18/11			
	By	Checked	Date					SHEET
SURVEYED	HYATT	XXXX	7/09					30
DRAWN	MRJ	AAM	8/10					40
DESIGNED	AAM	AAM/JP	11/10					

CUT-FILL VOLUME TABULATION (PERICO BAYOU PARKING AREA)					
CUT & FILL					
STATION	AREA (sf) CUT	AREA (sf) FILL	DIST. (ft)	VOL. (cf) CUT	VOL. (cf) FILL
213+00	0.0	0.0			
213+50	35.25	85.11	50	881	2,128
214+00	0.0	116.00	50	881	5,028
214+50	0.0	98.64	50	0.0	5,366
215+00	7.0	53.48	50	180	3,803
215+50	0.4	120.00	50	190	4,337
216+00	32	53.00	50	810	4,325
216+50	125	26.00	50	3,925	1,975
217+00	133	20.30	50	6,438	1,156.3
217+50	140	20.10	50	6,813	1,009
218+00	155	26.00	50	7,363	1,153
218+50	107	58.00	30	6,538	2,100
218+80	100	0.0	20	3,105	1,450
219+00	60	0.0	20	1,600	0.0
219+26	0.0	0.0	20	600	0.0
SUBTOTAL VOLUMES				39,323	33,829.22

CUT-FILL VOLUME TABULATION PROPOSED WIDENING					
CUT & FILL					
STATION	AREA (sf) CUT	AREA (sf) FILL	DIST. (ft)	VOL. (cf) CUT	VOL. (cf) FILL
209+66	0.0	0.0			
210+00	45.00	4.0	34	765	68
211+00	42.00	6.0	100	4,350	500
212+00	40.00	7.0	100	4,100	650
212+97.4	0.0	0.0	97.4	1,948	341
SUBTOTAL VOLUMES				11,163	1,559

TOTAL CUT & FILL TABULATION		
	CUT cf	FILL cf
PARKING AREA	39,323	33,829.22
PROPOSED WIDENING	11,163	1,559.00
TOTAL VOLUME	50,486	35,388.22



SEC, TWP, RGE	26/34/16		
SURVEY BOOK NO.	XXXX		
PROJECT NUMBER	303-6048720		
	By	Checked	Date
SURVEYED	HYATT	XXXX	7/09
DRAWN	JRB	CZ	3/10
DESIGNED	AM	CZ	3/10

NO.	REVISION DESCRIPTION	BY	DATE

APPROVED BY:
 SIA MOLLANAZAR, P.E.
 FLORIDA P.E. # 42903
 MANATEE COUNTY GOVERNMENT
 TRANSPORTATION DEPARTMENT
 1022 26TH AVENUE EAST
 BRADENTON, FL. 34208

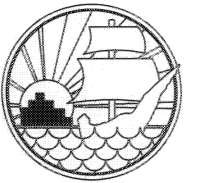
SIGN AND DATE: _____

PUBLIC WORKS DEPT.-ENGINEERING DIVISION
 1022 26TH AVENUE E. BRADENTON, FL. 34208

PROJECT NAME
 PERICO BAYOU PARKING AREA
 CROSS-SECTION
 CUT & FILL TAB SHEET

FIGURE

SHEET 31 / 40



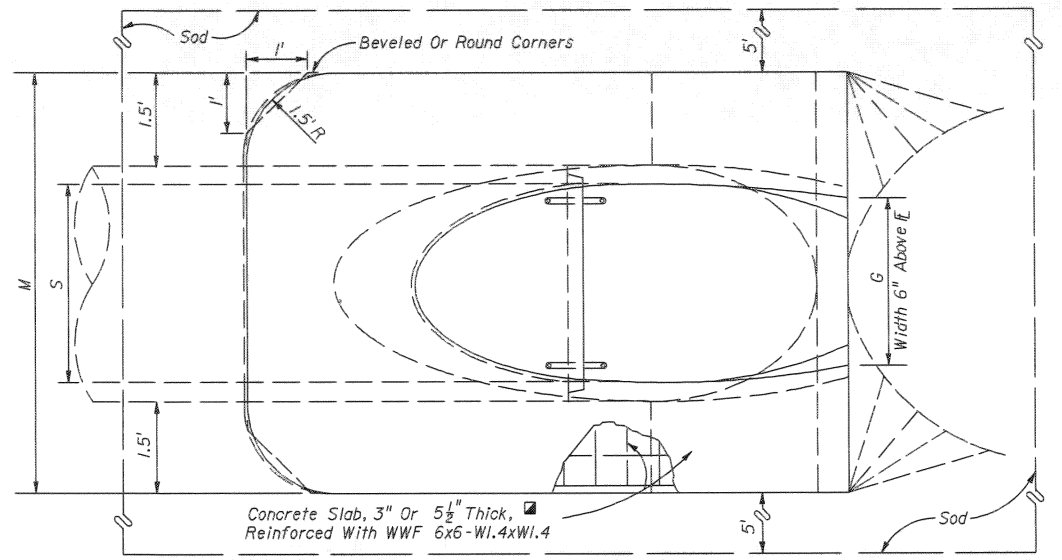
MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA
GENERAL DETAIL SHEET 1

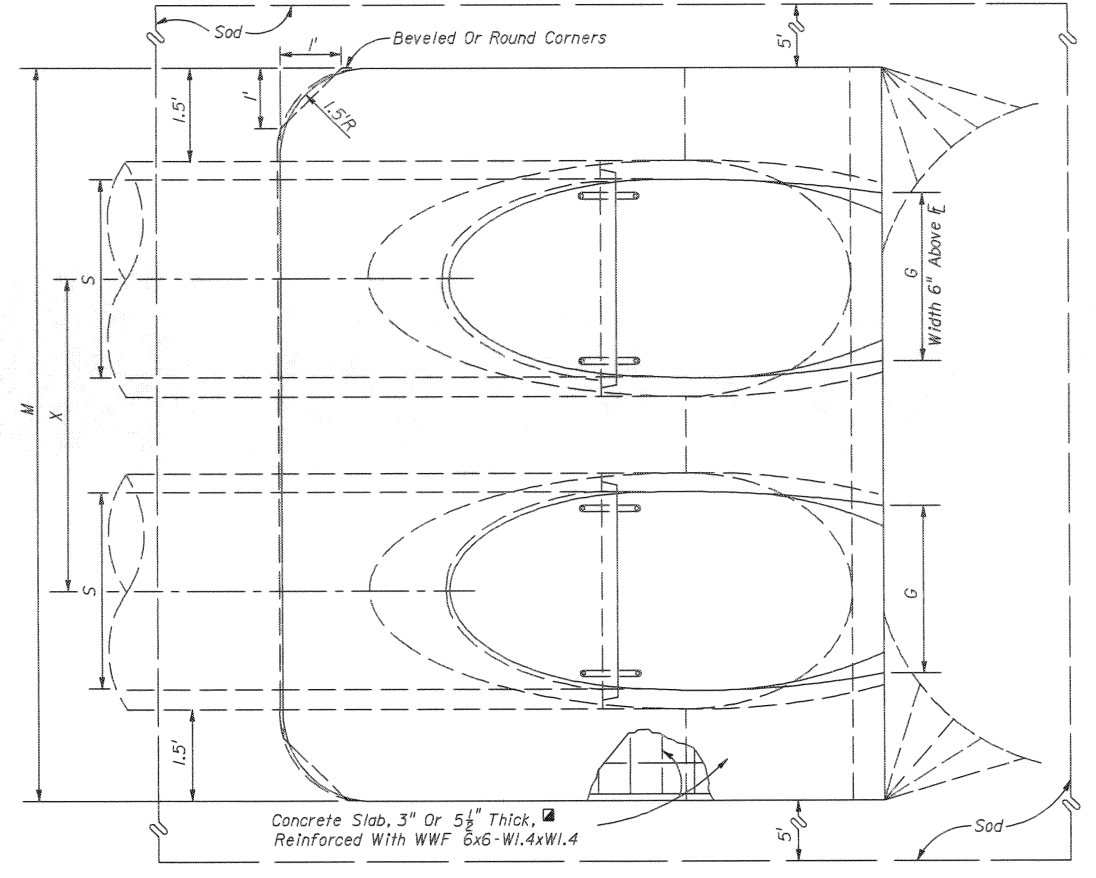
DIMENSIONS & QUANTITIES																								
Rise R	Span S	X	A	B	C	E	F	G	H	M				N	5 1/2" CONC. SLAB (CY)				SODDING (SQ. YDS.)					
										Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe		
1:2 Slope	12"	18"	2'-10"	1.97'	1.62'	3.59'	1.56'	4'	1.50'	2.4'	4.92'	7.75'	10.58'	13.42'	1.21'	0.30	0.49	0.67	0.85	21	24	27	30	
	14"	23"	3'-4"	2.01'	1.99'	4.00'	1.89'	5'	1.90'	3.1'	5.38'	8.71'	12.04'	15.38'	1.23'	0.37	0.59	0.81	1.02	22	26	29	33	
	19"	30"	4'-0"	2.11'	2.92'	5.03'	2.73'	6'	2.37'	3.3'	6.04'	10.04'	14.04'	18.04'	1.27'	0.50	0.80	1.09	1.39	24	28	33	37	
	24"	38"	5'-0"	2.20'	3.85'	6.05'	3.56'	7'	2.85'	3.4'	6.79'	11.79'	16.79'	21.79'	1.31'	0.62	1.03	1.45	1.86	26	31	37	42	
	29"	45"	5'-11"	2.34'	4.79'	7.13'	4.39'	8'	3.19'	3.6'	7.50'	13.42'	19.33'	25.25'	1.38'	0.75	1.30	1.84	2.39	28	34	41	47	
	34"	53"	7'-0"	2.43'	5.72'	8.15'	5.23'	9'	3.57'	3.8'	8.25'	15.25'	22.25'	29.25'	1.42'	0.90	1.61	2.32	3.03	30	37	45	53	
	38"	60"	7'-10"	2.52'	6.46'	8.98'	5.89'	9'	3.95'	3.1'	8.92'	16.75'	24.58'	32.42'	1.46'	1.03	1.89	2.74	3.60	31	40	49	57	
	43"	68"	8'-11"	2.62'	7.39'	10.01'	6.73'	10'	4.28'	3.3'	9.67'	18.58'	27.50'	36.42'	1.50'	1.19	2.26	3.33	4.40	33	43	53	63	
	48"	76"	9'-11"	2.71'	8.33'	11.04'	7.56'	11'	4.59'	3.4'	10.42'	20.33'	30.25'	40.17'	1.54'	1.38	2.65	3.93	5.21	35	46	57	68	
	53"	83"	10'-8"	2.80'	9.26'	12.06'	8.39'	12'	4.77'	3.6'	11.08'	21.75'	32.42'	43.08'	1.58'	1.55	3.03	4.50	5.96	37	49	61	73	
	58"	91"	11'-8"	2.90'	10.19'	13.09'	9.23'	13'	5.01'	3.8'	11.83'	23.50'	35.17'	46.83'	1.63'	1.75	3.47	5.20	6.93	39	52	65	78	
1:4 Slope	12"	18"	2'-10"	2.36'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'	0.45	0.68	0.92	1.14	23	26	29	32	
	14"	23"	3'-4"	2.44'	3.75'	6.19'	3.70'	6'	1.90'	2.3'	5.38'	8.71'	12.04'	15.38'	1.23'	0.53	0.83	1.13	1.42	24	28	32	35	
	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	0.74	1.15	1.57	1.98	27	32	36	40	
	24"	38"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	0.97	1.57	2.19	2.81	30	36	41	47	
	29"	45"	5'-11"	3.05'	8.90'	11.95'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	1.22	2.07	2.92	3.77	33	40	46	53	
	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.57'	2.6'	8.25'	15.25'	22.25'	29.25'	1.42'	1.48	2.62	3.77	4.92	36	44	52	59	
	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	1.72	3.12	4.53	5.92	38	47	56	65	
	43"	68"	8'-11"	3.56'	13.71'	17.27'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	2.02	3.78	5.56	7.32	41	51	61	71	
	48"	76"	9'-11"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	2.34	4.49	6.64	8.79	44	55	66	77	
	53"	83"	10'-8"	3.91'	17.15'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	2.66	5.17	7.66	10.16	47	59	71	83	
	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3.02	5.98	8.95	11.90	50	63	76	89	

See General Note No. 3.
See Sheet 5 Of 6 For 3" Slab Quantities

Values shown for estimating pipe quantities and are for information only.

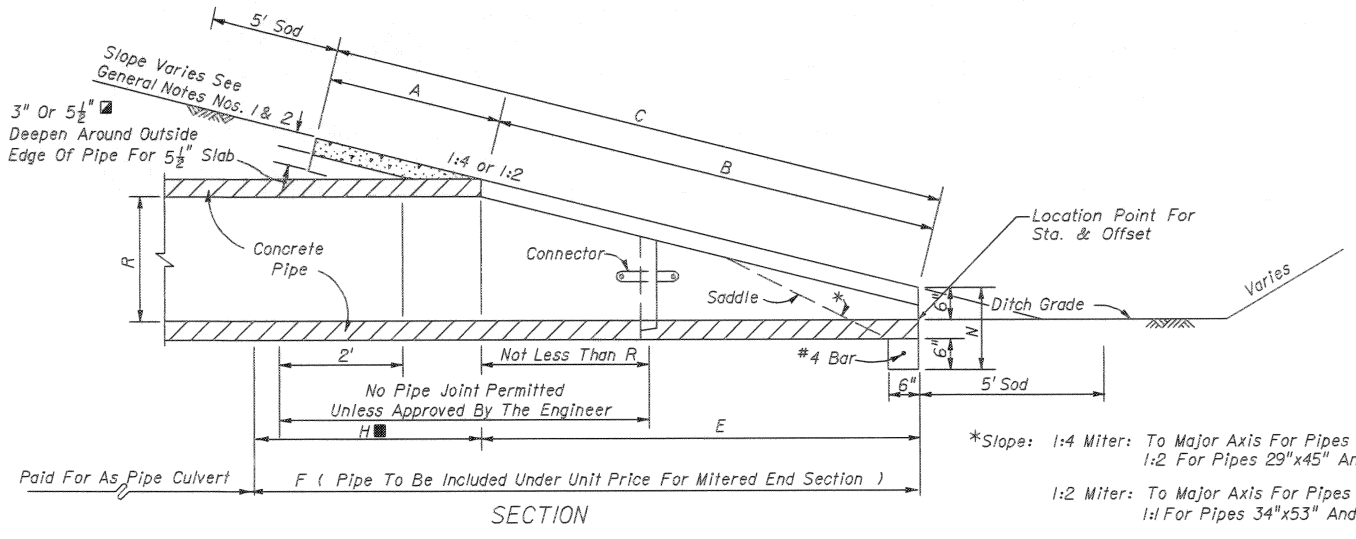


TOP VIEW-SINGLE PIPE



TOP VIEW-MULTIPLE PIPE

NOTE: See Sheet 6 For Details And Notes.



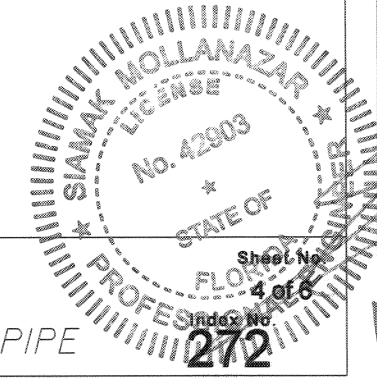
SECTION

Note: Call Out Length On Plan Is The Location Point

*Slope: 1:4 Miter: To Major Axis For Pipes 24"x38" And Smaller.
1:2 For Pipes 29"x45" And Larger.

1:2 Miter: To Major Axis For Pipes 29"x45" And Smaller.
1:1 For Pipes 34"x53" And Larger.

CROSS DRAIN MITERED END SECTION
SINGLE AND MULTIPLE ELLIPTICAL CONCRETE PIPE



REVISION	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AAM	8/10
DRAWN	MRJ	8/10
CHECKED	AAM/JP	11/10

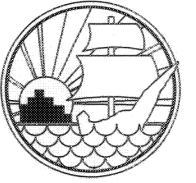
SCALE: N.T.S.

SEAL
APPROVED BY:

SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY
PUBLIC WORKS DEPARTMENT
1822 26TH AVENUE EAST
BRADENTON, FL 34208

DATE

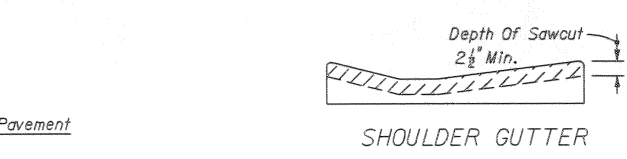
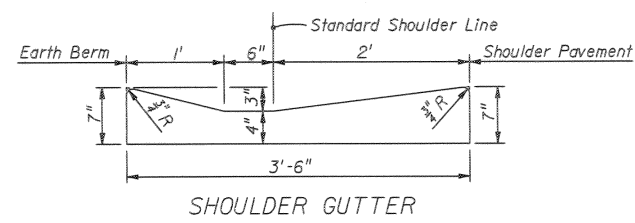
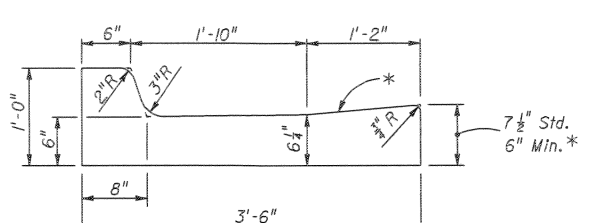
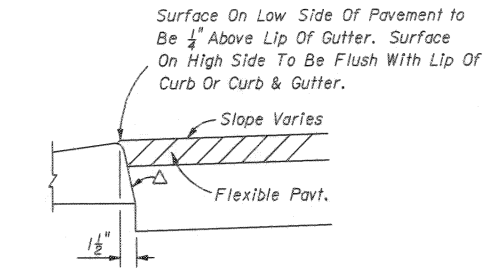
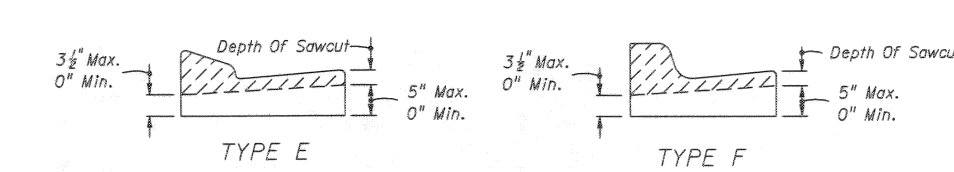
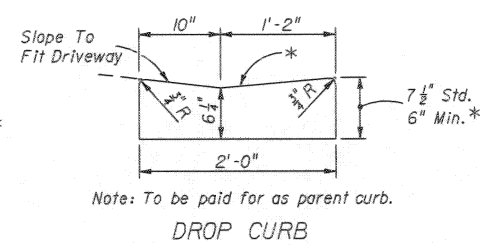
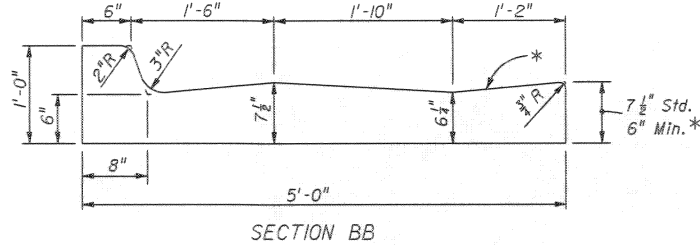
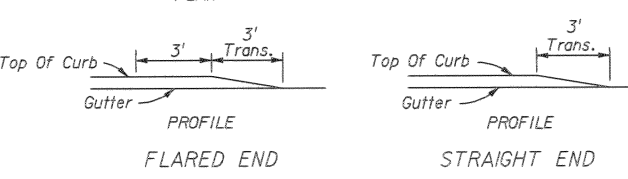
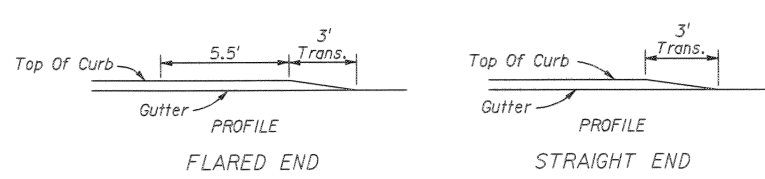
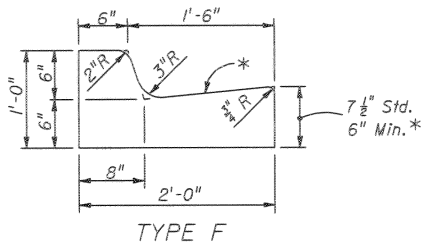
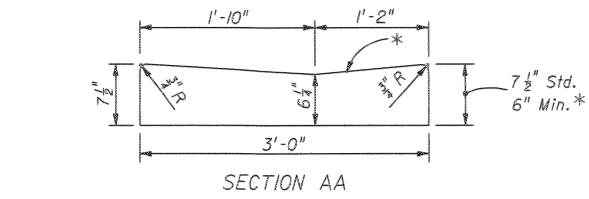
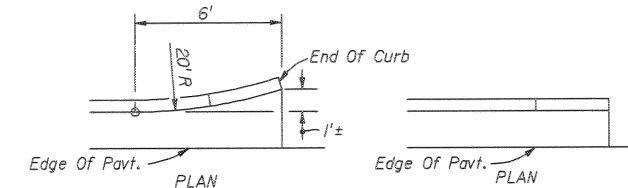
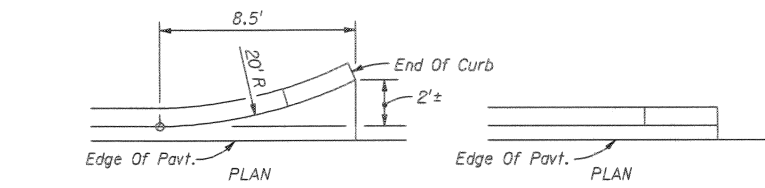
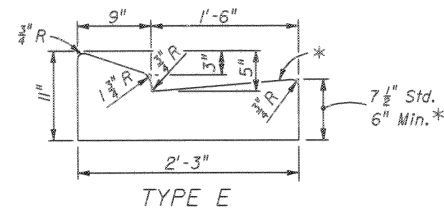
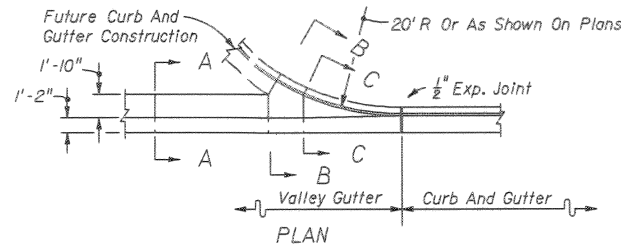
SHEET 32 OF 40



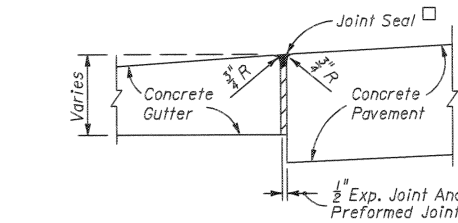
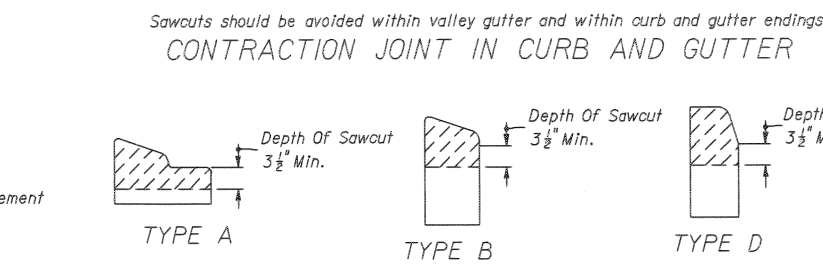
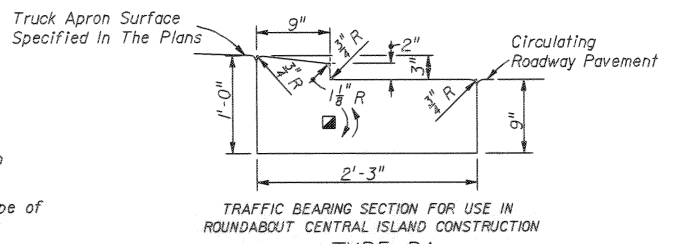
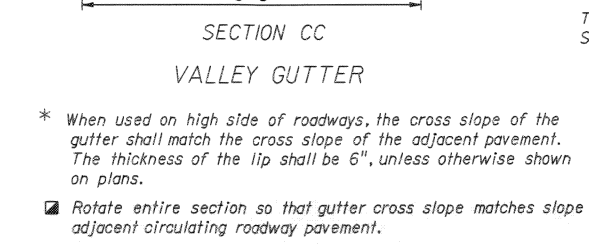
MANATEE COUNTY PUBLIC WORKS DEPARTMENT

PERICO BAYOU PARKING AREA

GENERAL DETAIL SHEET 2



Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.



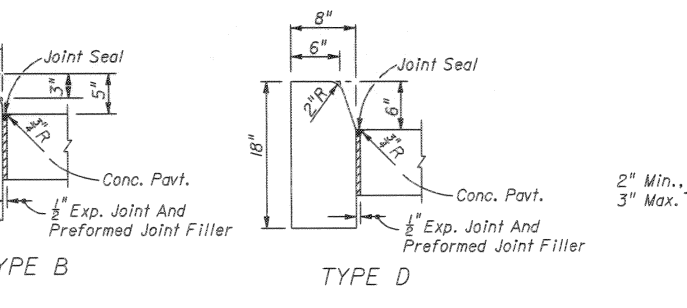
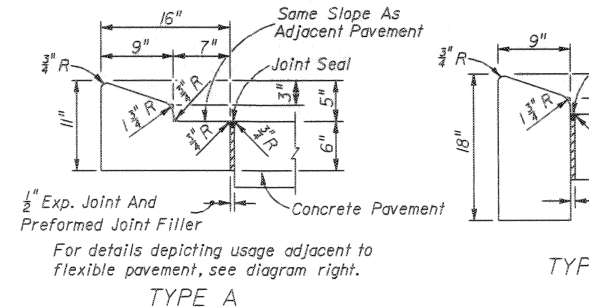
* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.

Note: To be paid for as parent curb. Note: For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see diagram right.

CONTRACTION JOINT IN CURB

Applies to both high and low sides of pavement, low side shown.

CONCRETE CURB AND GUTTER



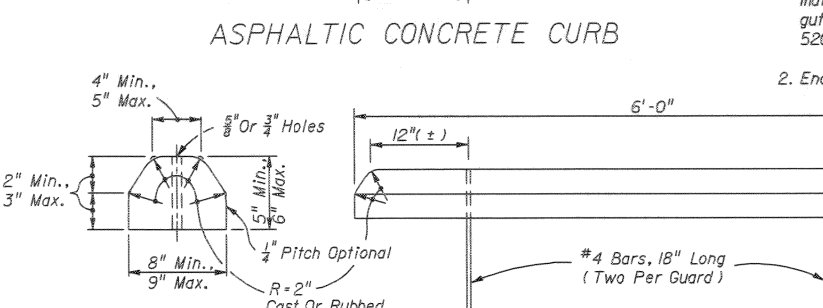
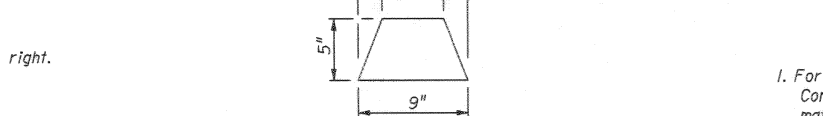
Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see diagram right.

Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see diagram right.

CONTRACTION JOINT IN CURB

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

CONCRETE CURB



GENERAL NOTES

- 1. For curb, gutter and curb & gutter provide 1/8" - 1/4" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Section 520 of the standard specifications. 2. Ends of Curbs Types B and D shall transition from full to zero heights in 3'.

CONCRETE BUMPER GUARD

CONCRETE CURB

CURB & CURB AND GUTTER

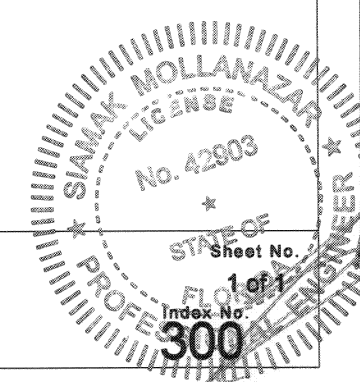
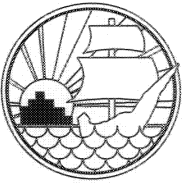


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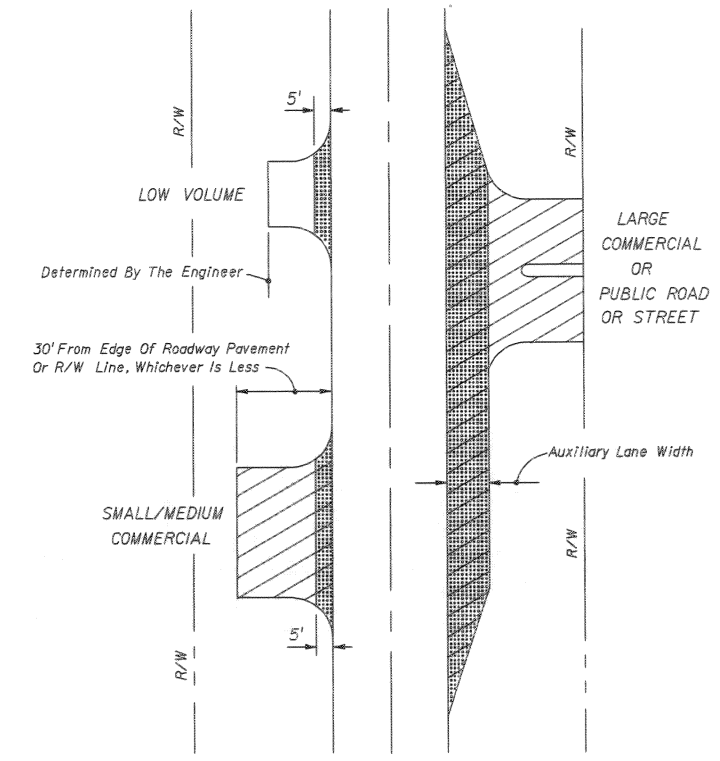
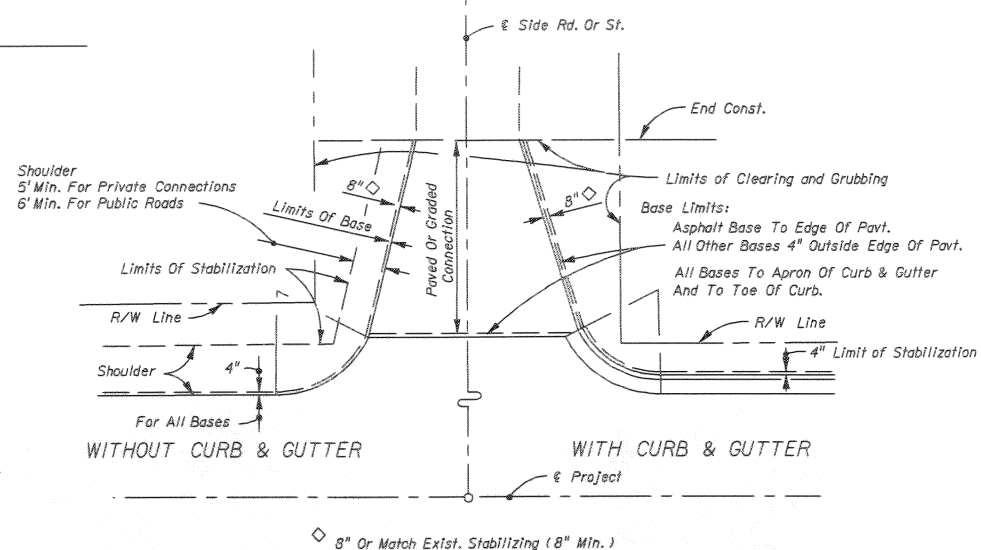
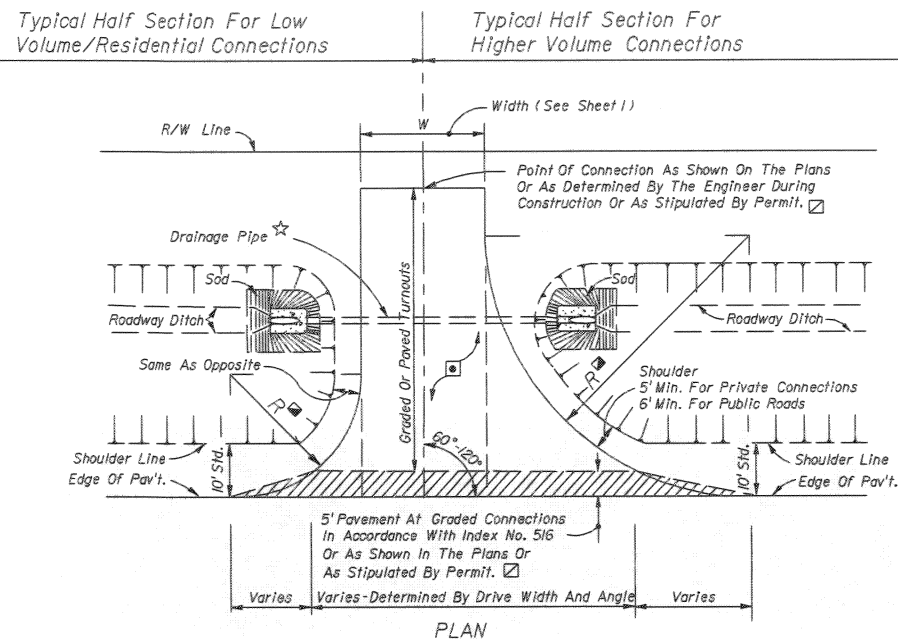
Sheet No. 1 of 1, Index No. 300, Date 11-12, SHEET 33 OF 40



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

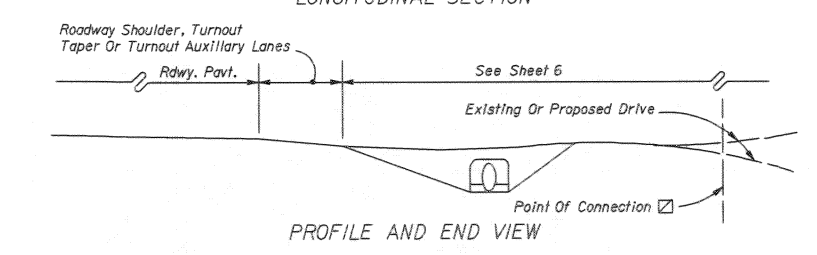
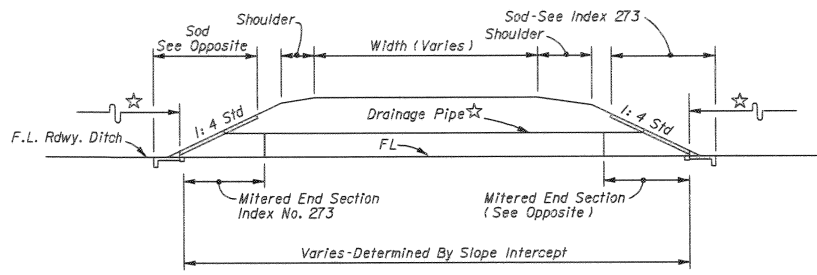
PERICO BAYOU PARKING AREA

GENERAL DETAIL SHEET 3



LEGEND
 Graded Or Paved
 Required Paving
 Limits Of Department Maintenance

- NOTES
1. Auxiliary lane pavements and crossover pavements shall be maintained by the Department.
 2. Department maintenance of turnout pavement shall extend out to 5' from edge of the travel way or limits of paved shoulders, and, extend to include auxiliary lanes. The remainder of any turnout paved area on the right of way shall be maintained by the owner or his authorized agent. As a function of routinely reworking shoulders, the Department may grade and shape existing material on non-paved areas beyond the maintained pavement.
 3. Control and maintenance of drainage facilities within the right of way shall be solely the responsibility of the Department, unless specified differently by Department permit.
 4. The maintenance and operation of highway lighting, traffic signals, associated equipment, and other necessary devices shall be the responsibility of a public agency.
 5. All pavement markings on the State highways, including acceleration and deceleration lane markings, and signing installed for the operation of the State highway shall be maintained by the Department.
 6. All signing and marking installed for the operation of the connection (such as stop bars and stop signs for the connection) shall be the responsibility of the permittee.



★ Drainage pipe size and length shall be that shown on the plans, or as stipulated by permit, or, as determined by the Engineer during construction. The size shall be at least that established by the FDOT District, but not less than 15" diameter or equivalent. For minimum cover over drainage pipe see Index No. 205. Pipe arch or elliptical pipe may be required to obtain necessary cover. At minimal cover applications a modified pavement apron is permitted. See 'PERMISSIBLE PAVEMENT MODIFICATION' Index No. 273. For spacing between adjacent pipe end treatments see Index No. 273.

■ Stable material may be required for graded turnouts to private property as directed by the Engineer in accordance with Section 102-6 of the Standard Specifications.

☑ The 5' pavement at graded connections is not required where there is paved shoulder 4' or more in width. The 5' pavement requirement may be waived for connections serving one or two homes or field entrances with less than 20 trips per day, or 5 trips per hour as approved by permit or by the Engineer, or when not itemized in the plans.

Paved turnouts are to be constructed for all paved connecting facilities. The connecting point will be determined by the Engineer.

Paved turnouts are to be constructed for all business, commercial, industrial or high volume residential graded connecting facilities. The connecting point shall be 30' from edge of roadway pavement or at R/W line, whichever is less.

Paved turnouts are to be constructed for all connecting facilities over 4000 vehicles per day. The connecting point shall be at the R/W line.

■ See "Summary Of Geometric Requirements For Turnouts" chart for return radii lengths and supplemental information.

RURAL TURNOUT CONSTRUCTION

Course	Materials ^②	Thickness (in.) ^①	
		Connections ^③	Roadway ^④
Structural	Asphaltic Concrete	1"	1½"
Bases	Optional Base (See Index No. 514)	O.B.G. 1	O.B.G. 3

NOTES

- ① Minimum thickness.
- ② All materials shall be approved by the Department prior to being placed.
- ③ Connection structure other than traffic lanes. See Notes 1 and 2 below.
- ④ Travel way flares (bypass lanes), auxiliary lanes serving more than a single connection, and all median crossovers including their auxiliary lanes and/or transition tapers. See Notes 1 and 2 below.

PAVEMENT STRUCTURE FOR TURNOUTS AND AUXILIARY LANES
TABLE 515-1

LIMITS OF
CONSTRUCTION AND MAINTENANCE
FOR RURAL CONNECTIONS

TURNOUTS

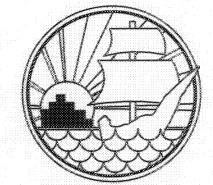
SIAMAK MOLLANAZAR
LICENSE
No. 42903
STATE OF FLORIDA
PROFESSIONAL ENGINEER
APPROVED BY:
Sheet No. 5 of 6
Index No. 515
DATE: 11-1-12
SHEET 34 OF 40

REVISION	DATE

BY	DATE
SURVEYED HYATT	10/09
DESIGNED AAM	8/10
DRAWN MRJ	8/10
CHECKED AAM/JP	11/10

SCALE: N.T.S.

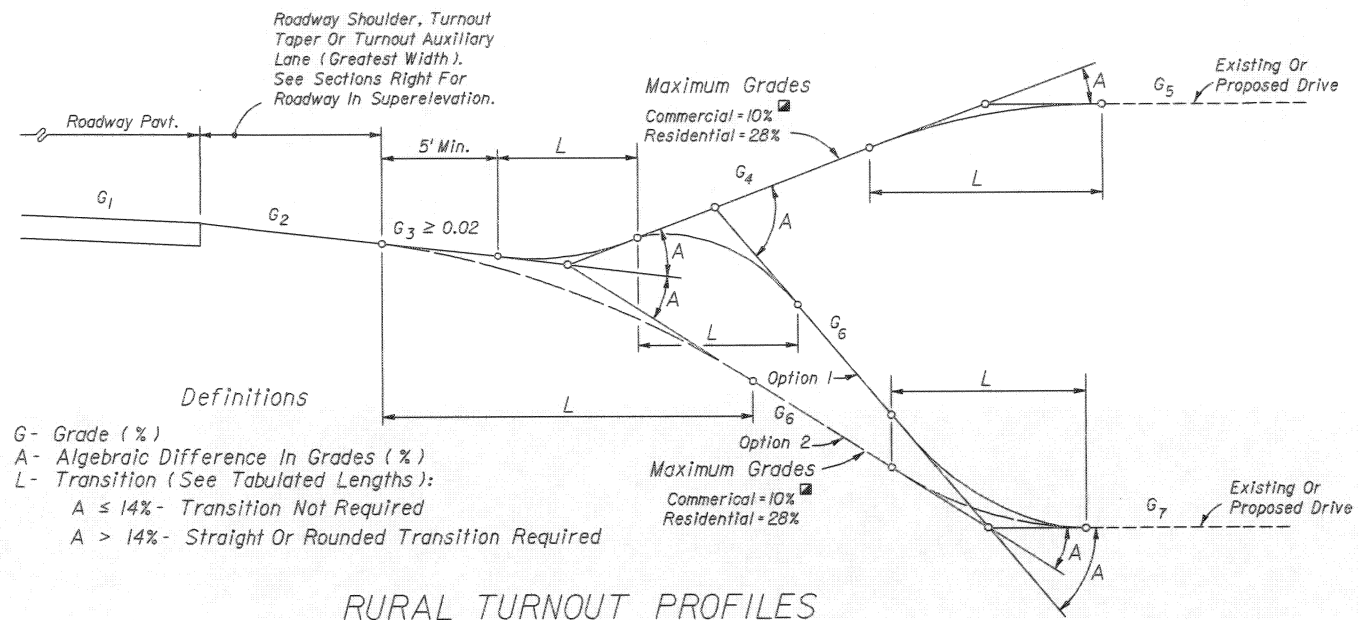
MANATEE COUNTY
PUBLIC WORKS DEPARTMENT
1022 26TH AVENUE EAST
BRADENTON, FL. 34206



MANATEE COUNTY PUBLIC WORKS DEPARTMENT

PERICO BAYOU PARKING AREA

GENERAL DETAIL SHEET 4



Definitions

G - Grade (%)

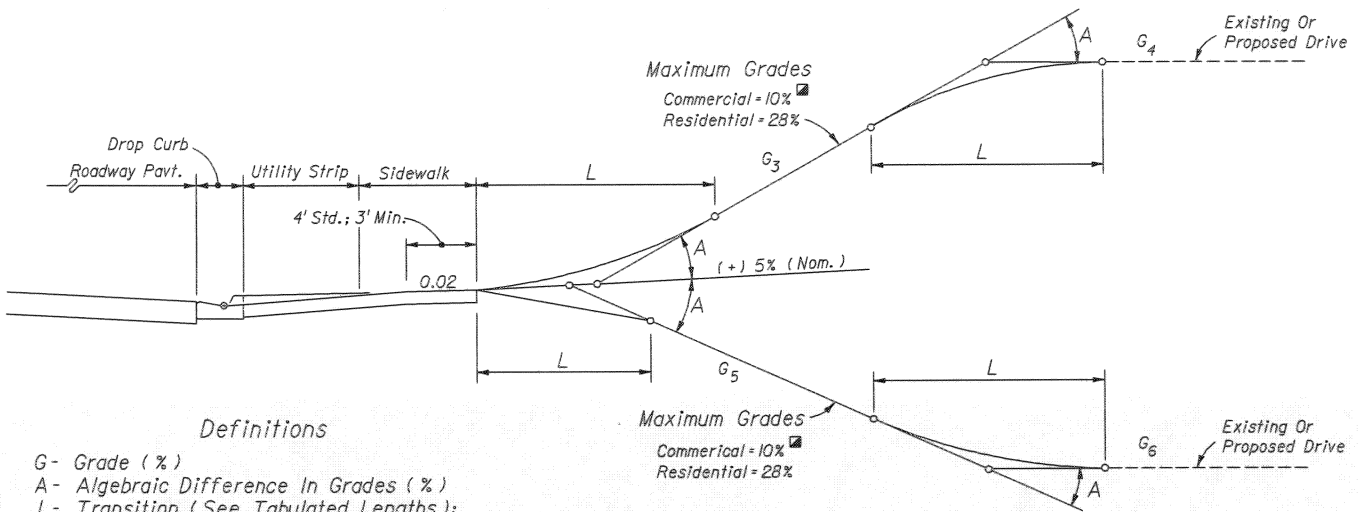
A - Algebraic Difference In Grades (%)

L - Transition (See Tabulated Lengths):

A \leq 14% - Transition Not Required

A $>$ 14% - Straight Or Rounded Transition Required

RURAL TURNOUT PROFILES



Definitions

G - Grade (%)

A - Algebraic Difference In Grades (%)

L - Transition (See Tabulated Lengths):

A \leq 14% - Transition Not Required

A $>$ 14% - Straight Or Rounded Transition Required

URBAN TURNOUT PROFILES

LENGTHS (L) (FT.)

A	CRESTS				SAGS			
	STRAIGHT		ROUNDED		STRAIGHT		ROUNDED	
	Desirable	Minimum	Desirable	Minimum	Desirable	Minimum	Desirable	Minimum
6-13%	3	0	5	0	3	0	5	0
14%	3	0	10	0	3	0	10	0
15%	3	2.5	10	3	5	3	10	5
16%	5	3	10	4	6	4	10	6
17%	6	3.5	10	5	8	5	10	7
18%	6	4	10	6	9	6	10	8
19%	7	4.5	10	7	11	7	12	9
20%	8	5	11	8	12	8	13	10
21%	9	5.5	12	9	13	8.5	14	11
22%	10	6	13	10	14	9	16	12
23%	10	6.5	14	10.5	14	9.5	16	12.5
24%	11	7	15	11	15	10	17	13
25%	12	7.5	15	11.5	16	10.5	18	13.5
26%	12	8	16	12	17	11	18	14
27%	13	8.5	17	12.5	17	11.5	19	14.5
28%	14	9	17	13	18	12	20	15
29%	NA	NA	22	14	NA	NA	21	17
30-31%	NA	NA	23	15	NA	NA	22	18
32-33%	NA	NA	24	16	NA	NA	23	20
34-36%	NA	NA	26	17	NA	NA	25	21
37-38%	NA	NA	27	18	NA	NA	26	22
39-41%	NA	NA	29	19	NA	NA	28	24
42-43%	NA	NA	30	20	NA	NA	29	25
44-46%	NA	NA	32	21	NA	NA	31	26
47-48%	NA	NA	33	22	NA	NA	32	27
49-51%	NA	NA	34	23	NA	NA	34	28
52-54%	NA	NA	36	24	NA	NA	35	30
55-56%	NA	NA	37	25	NA	NA	36	31

Rounded: Either circular, parabolic or spline curvature. The plans or the Engineer may specify a particular type of curvature.

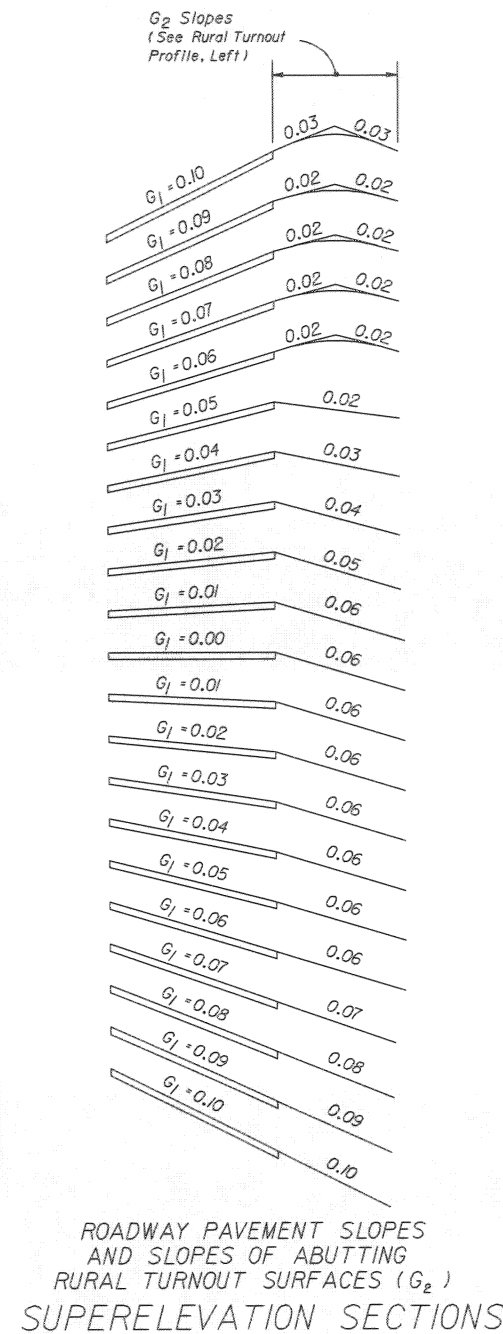
Desirable: Desirable minimum lengths. } Greater lengths than minimum and desirable are recommended where practical for flatter and smoother profile.

Minimum: Absolute minimum lengths. }

RECOMMENDED TURNOUT PROFILE TRANSITION LENGTHS (L) (FT)

STORMWATER RUNOFF AND PROFILE OPTION NOTES

1. Turnouts shall neither cause water to flow on or across the roadway pavement, nor cause water ponding or erosion within the State right of way. On all rural turnouts the transition (L) nearest the roadway shall be sloped or crowned to direct stormwater runoff to the roadside ditch. Inlets, flumes or other appropriate runoff control devices shall be constructed when runoff volumes are sufficient to cause erosion of the shoulder. Similar runoff control devices shall be constructed as necessary to properly direct and control the stormwater runoff on urban turnouts.
2. The Option 1 profile is intended for locations where roadway, turnout taper and auxiliary lane stormwater runoff volumes are relatively large. The Option 2 profile is intended for locations where runoff volumes are relatively small and/or where there is no roadside ditch.

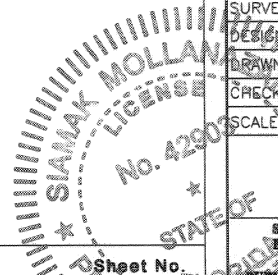


When restoring or reconstructing existing commercial turnout connections on new construction and reconstruction projects, the maximum 10% commercial grade may be exceeded provided this does not create any adverse roadway operational or safety impacts. This shall be approved by the District Design Engineer and be supported by documented site specific findings.

TURNOUT PROFILES

TURNOUTS

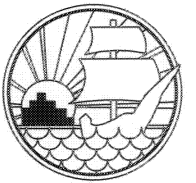
REVISION		DATE
	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AAM	8/10
DRAWN	MRJ	8/10
CHECKED	AAM/JP	11/10
SCALE	N.T.S.	



APPROVED BY:

SIA MOLLANAZAR, P.E.
FLORIDA P.E. # 42903
MANATEE COUNTY
PUBLIC WORKS DEPARTMENT
1822 26TH AVENUE EAST
BRADENTON, FL 34208

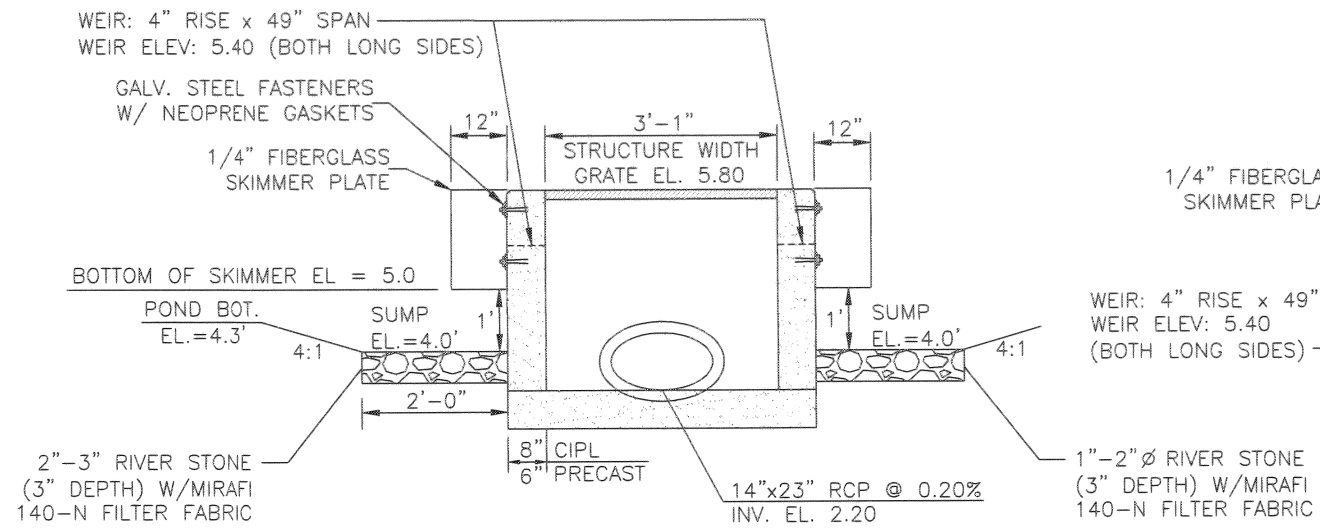
Sheet No. 6 of 6
Index No. 515



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA

GENERAL DETAIL SHEET 5

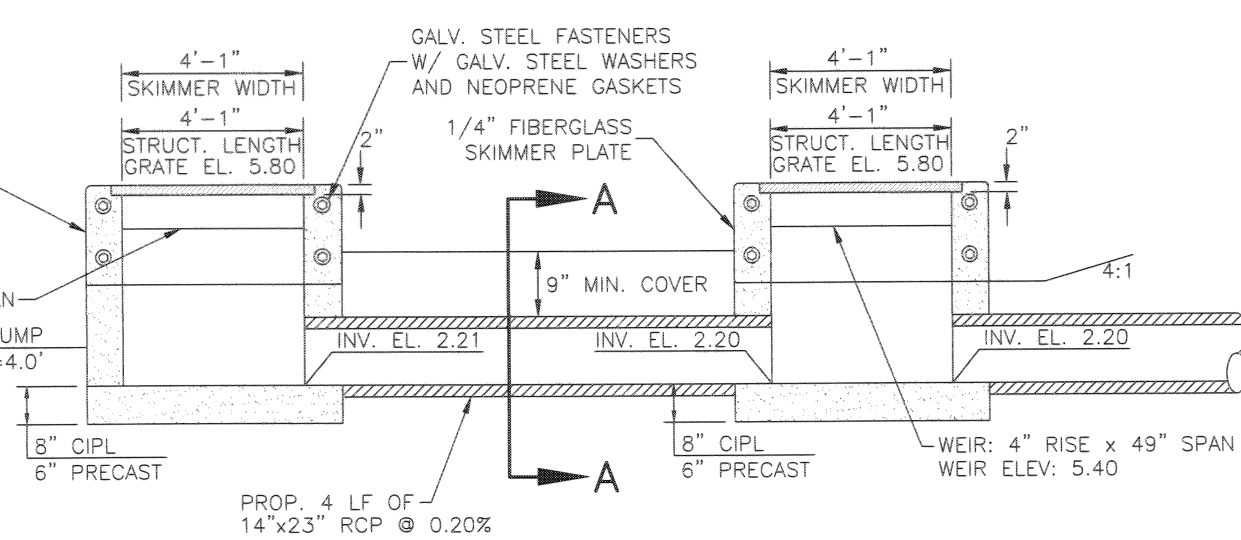


WEIR: 4" RISE x 49" SPAN
WEIR ELEV: 5.40
(BOTH LONG SIDES)

1/4" FIBERGLASS
SKIMMER PLATE

GALV. STEEL FASTENERS
W/ GALV. STEEL WASHERS
AND NEOPRENE GASKETS

1/4" FIBERGLASS
SKIMMER PLATE



WEIR: 4" RISE x 49" SPAN
WEIR ELEV: 5.40
(BOTH LONG SIDES)

1/4" FIBERGLASS
SKIMMER PLATE

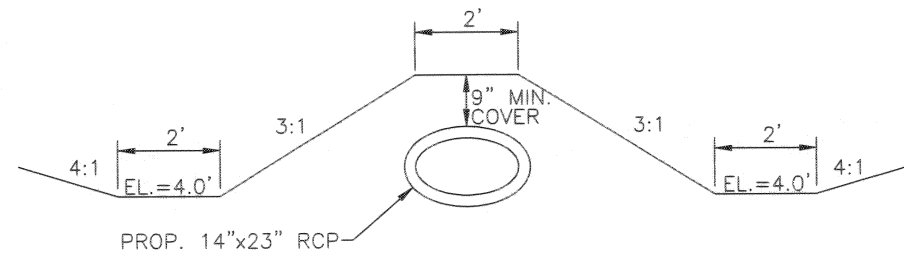
GALV. STEEL FASTENERS
W/ GALV. STEEL WASHERS
AND NEOPRENE GASKETS

1/4" FIBERGLASS
SKIMMER PLATE

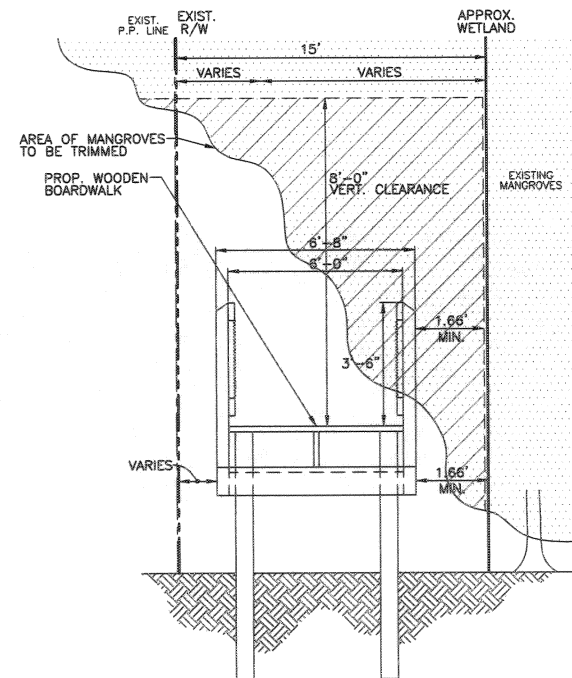
PROP. 4 LF OF
14"x23" RCP @ 0.20%

**PROPOSED CONTROL STRUCTURES FOR DRY POND
DITCH BOTTOM INLET TYPE "D" MODIFIED, PER FDOT INDEX #232**

N.T.S.

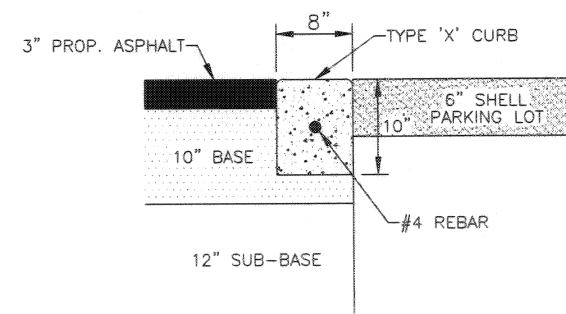


SECTION 'A-A'
N.T.S.



**BOARDWALK MANGROVE
TRIMMING DETAIL**

N.T.S.



NOTE: CLASS 1 CONCRETE 3000 P.S.I.
AT 28 DAYS

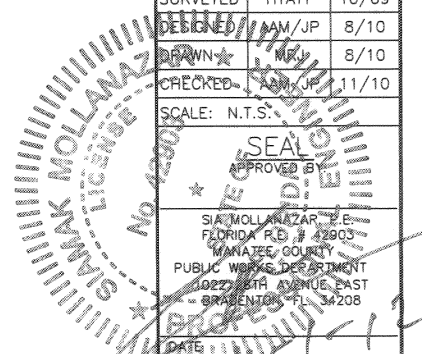
TYPE 'X' CURB DETAIL

N.T.S.

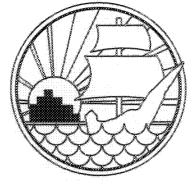
Change Bot. Skimmer	10/12/10
From EL. 4.57 To EL.	
5.00; Change Sump	
From EL. 3.50 To EL.	
4.00; Change Grate	
From EL. 5.20 To EL.	
5.80; Change Weir	
From EL. 4.90 To EL.	
5.40	
(S) Removed 6' wide	7/18/11
Boardwalk Detail as	
per FDOT Structural	
comments.	

REVISION	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AM/JP	8/10
DRAWN	MRJ	8/10
CHECKED	AM/JP	11/10

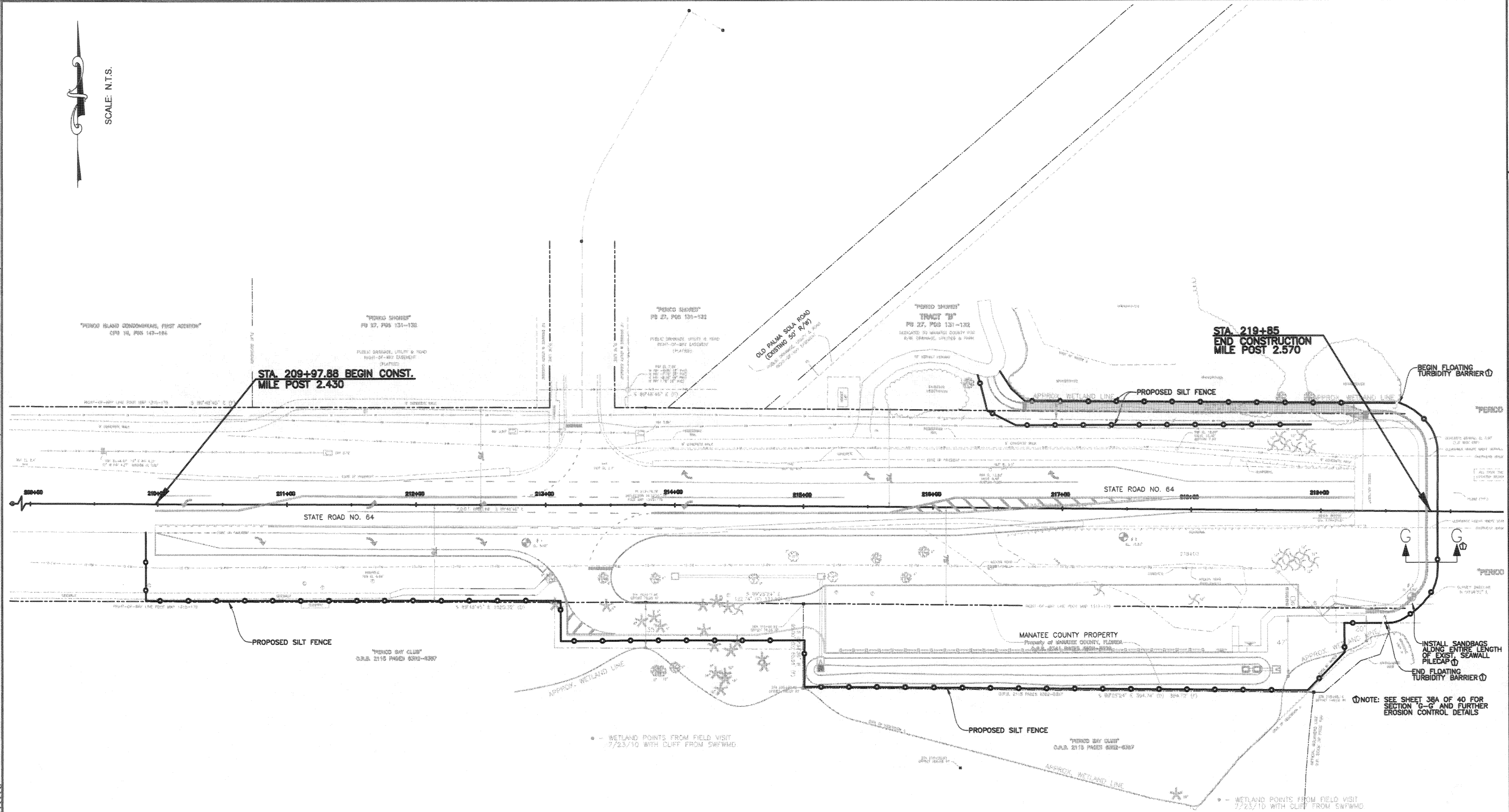
SCALE: N.T.S.



Sheet Number: 2
 Sheet Title:
 Date:
 Copyright 2003 © MANATEE COUNTY GOVERNMENT



**MANATEE COUNTY
 PUBLIC WORKS
 DEPARTMENT**



**PERICO BAYOU PARKING AREA
 BMP - EROSION CONTROL
 SILT FENCE LOCATION SHEET**

Section G-G added 9/15/10
 & Turbidity Barrier
 Edited As Per
 SWFWMD revisions.

NOTE: SEE SHEET 38A OF 40 FOR
 SECTION G-G AND FURTHER
 EROSION CONTROL DETAILS

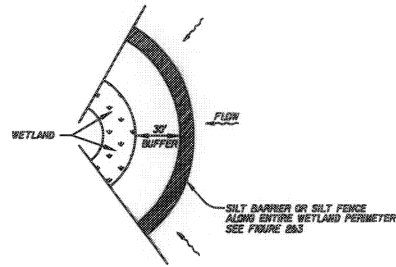
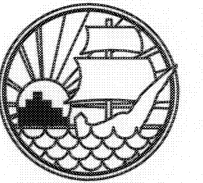
WETLAND POINTS FROM FIELD VISIT
 7/23/10 WITH CLIFF FROM SWFWMD

WETLAND POINTS FROM FIELD VISIT
 7/23/10 WITH CLIFF FROM SWFWMD

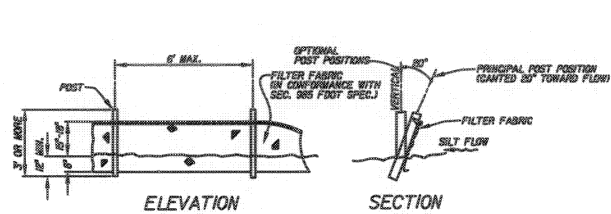
REVISION	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AM	8/10
DRAWN	MR	8/10
CHECKED	AM/JR	11/10
SCALE: N.T.S.		

NO. 420 SEAL
APPROVED BY:

SIA MOJANAZAR, P.E.
 FLORIDA P.E. # 42903
 MANATEE COUNTY GOVERNMENT
 PUBLIC WORKS DEPARTMENT
 1023 26TH AVENUE EAST
 BRADENTON, FL 34208
 DATE: _____
 SHEET 37 OF 40

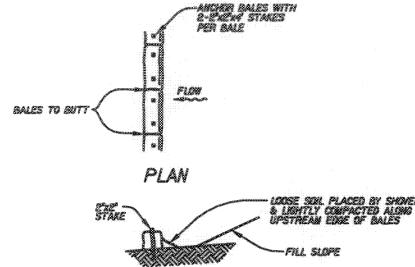


WETLAND BUFFER
FIGURE 1

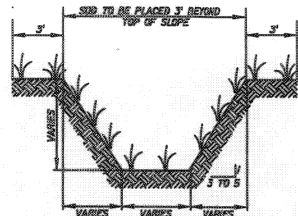


TYPICAL SILT FENCE
FIGURE 2

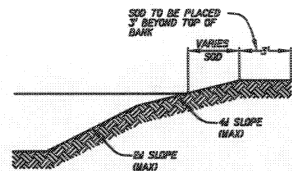
NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (U.P.)



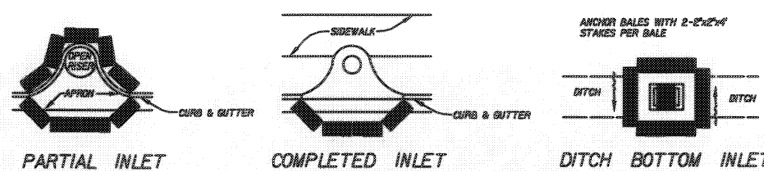
TYPICAL BALE SILT BARRIER
FIGURE 3



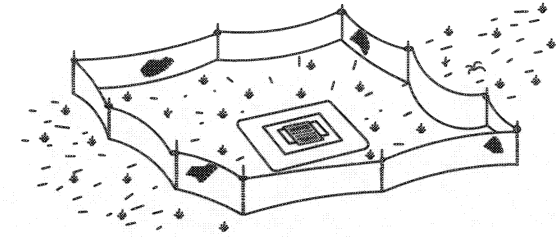
TYPICAL SWALE SECTION
FIGURE 5



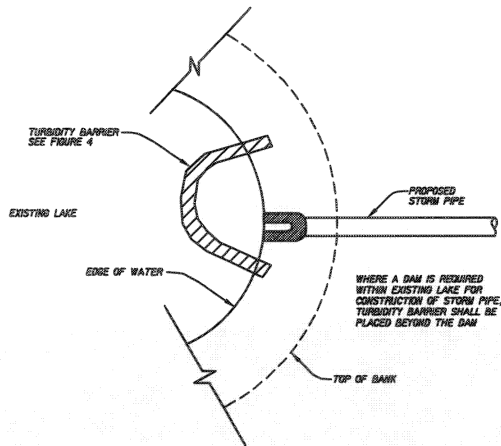
TYPICAL RETENTION/DETENTION POND SECTION
FIGURE 6



SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
FIGURE 7

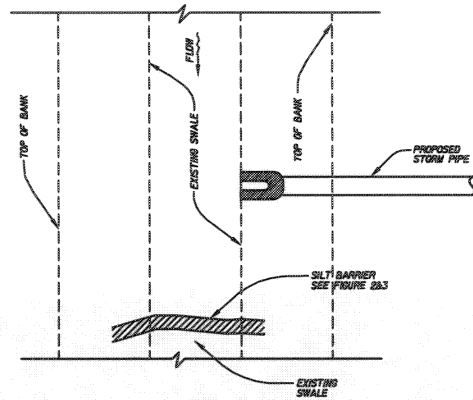


TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
FIGURE 8

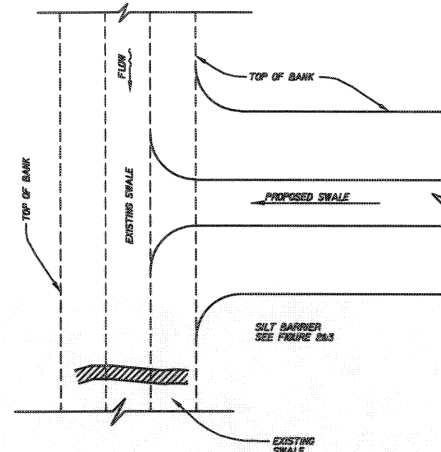


TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE
FIGURE 9

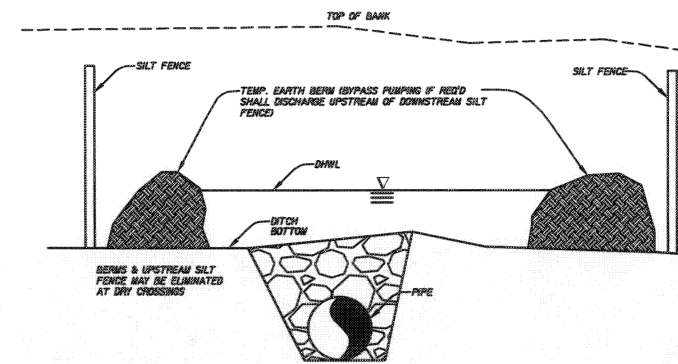
WHERE A DAM IS REQUIRED WITHIN EXISTING LAKE FOR CONSTRUCTION OF STORM PIPE, TURBIDITY BARRIER SHALL BE PLACED BEHIND THE DAM



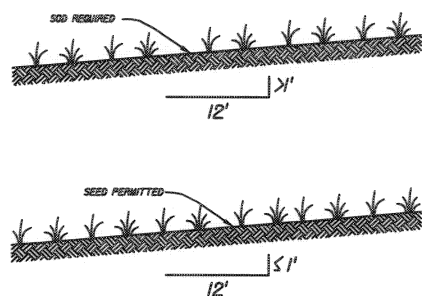
SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE
FIGURE 10



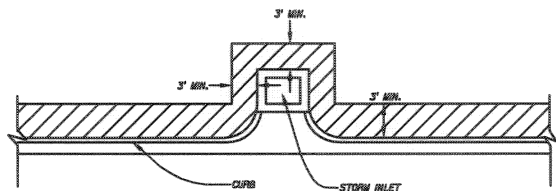
SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE
FIGURE 11



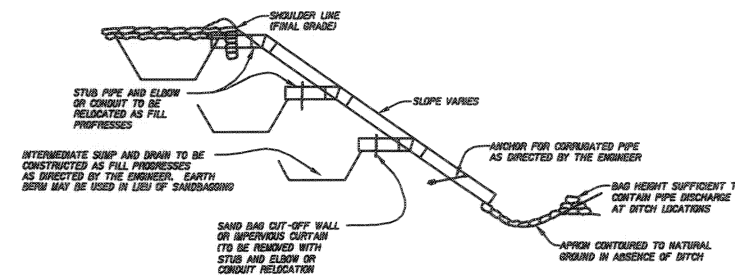
UNDERGROUND PIPE CROSSING
FIGURE 12



GRASS SLOPES
FIGURE 13



SOD ALONG CURB AND AROUND INLET
FIGURE 14

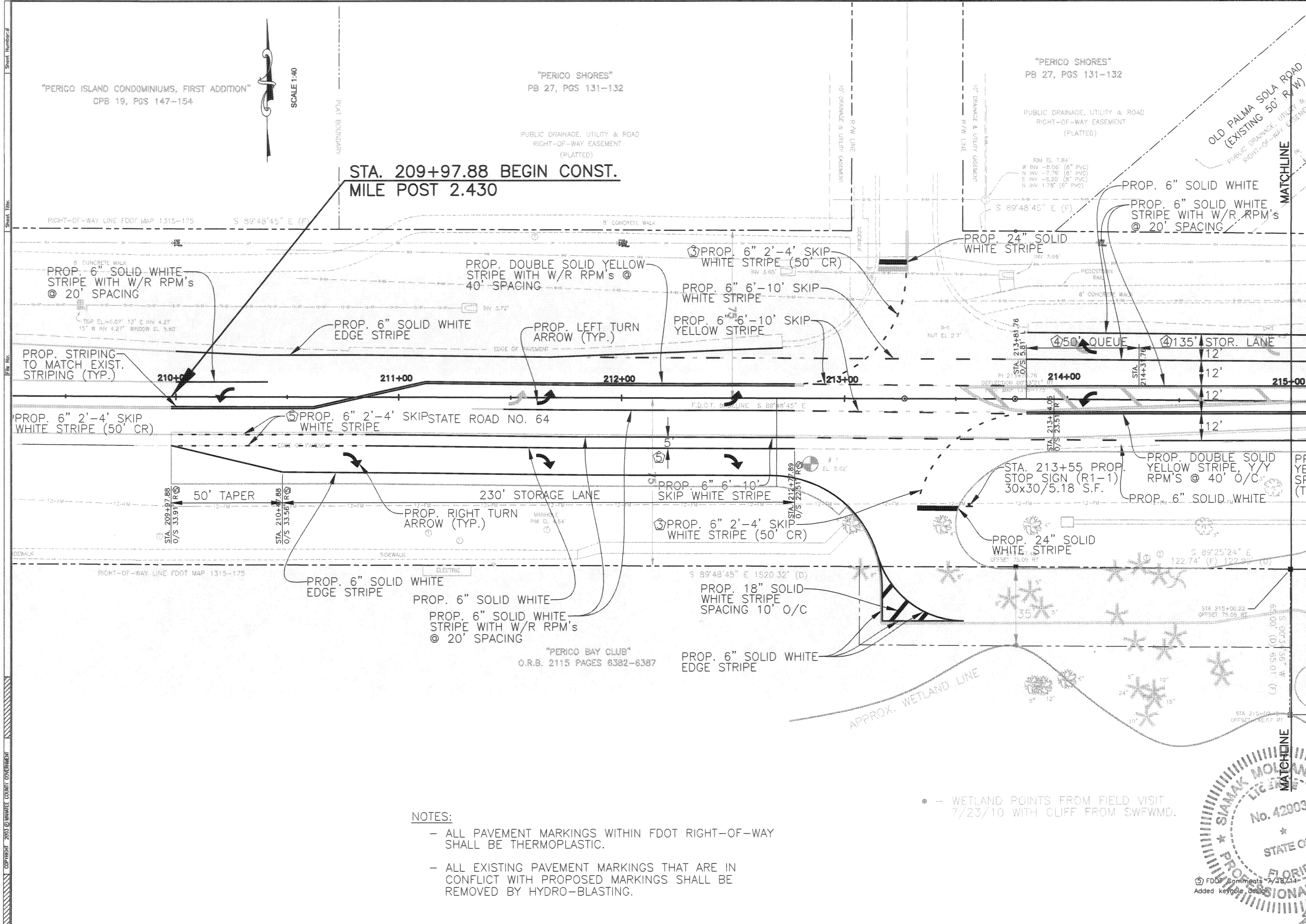


SECTION AA
TEMPORARY SLOPE DRAIN
FIGURE 15

Turbidity Barrier Detail 8/15/10 removed as per SWFWMD Revisions

REVISION	DATE
SURVEYED	
DESIGNED	AAM 8/10
DRAWN	MRJ 8/10
CHECKED	AAM/JP 11/10
SCALE	N.T.S.

SEA MOLLANAZAR, P.E.
FLORIDA P.E. # 398
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
100-3011 AVENUE EAST
BRADENTON, FL 34806



SCALE 1:40

STA. 209+97.88 BEGIN CONST.
MILE POST 2.430



PERICO BAYOU PARKING AREA
 SIGNING & PAVEMENT MARKING SHEET 1
 STA. 210+00 TO STA. 215+00

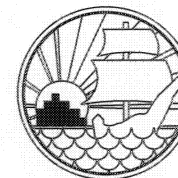
③ Lengthened left turn lane & changed Eastbound travel lane geometrics to match; Added turning guide skip stripes for left lanes; lengthened the Eastbound right turn storage lane; moved stop bars back to accommodate 50' turn radius. Showed exist. pvmt. markings.	11/18/10
④ FDOT Rev. 1/6/11	1/18/11

REVISION	BY	DATE
SURVEYED	HYATT	10/09
DESIGNED	AAM	8/10
DRAWN	MRJ	8/10
CHECKED	AAM/JP	11/10

No. 42903
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 SEAL
 APPROVED BY:
 SIA MOLLANAZAR, P.E.
 FLORIDA P.E. # 42903
 MANATEE COUNTY GOVERNMENT
 PUBLIC WORKS DEPARTMENT
 101 20TH AVENUE EAST
 BRADENTON, FL 34208
 DATE: 11-1-12
 SHEET 39 OF 40

- NOTES:
- ALL PAVEMENT MARKINGS WITHIN FDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
 - ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY HYDRO-BLASTING.

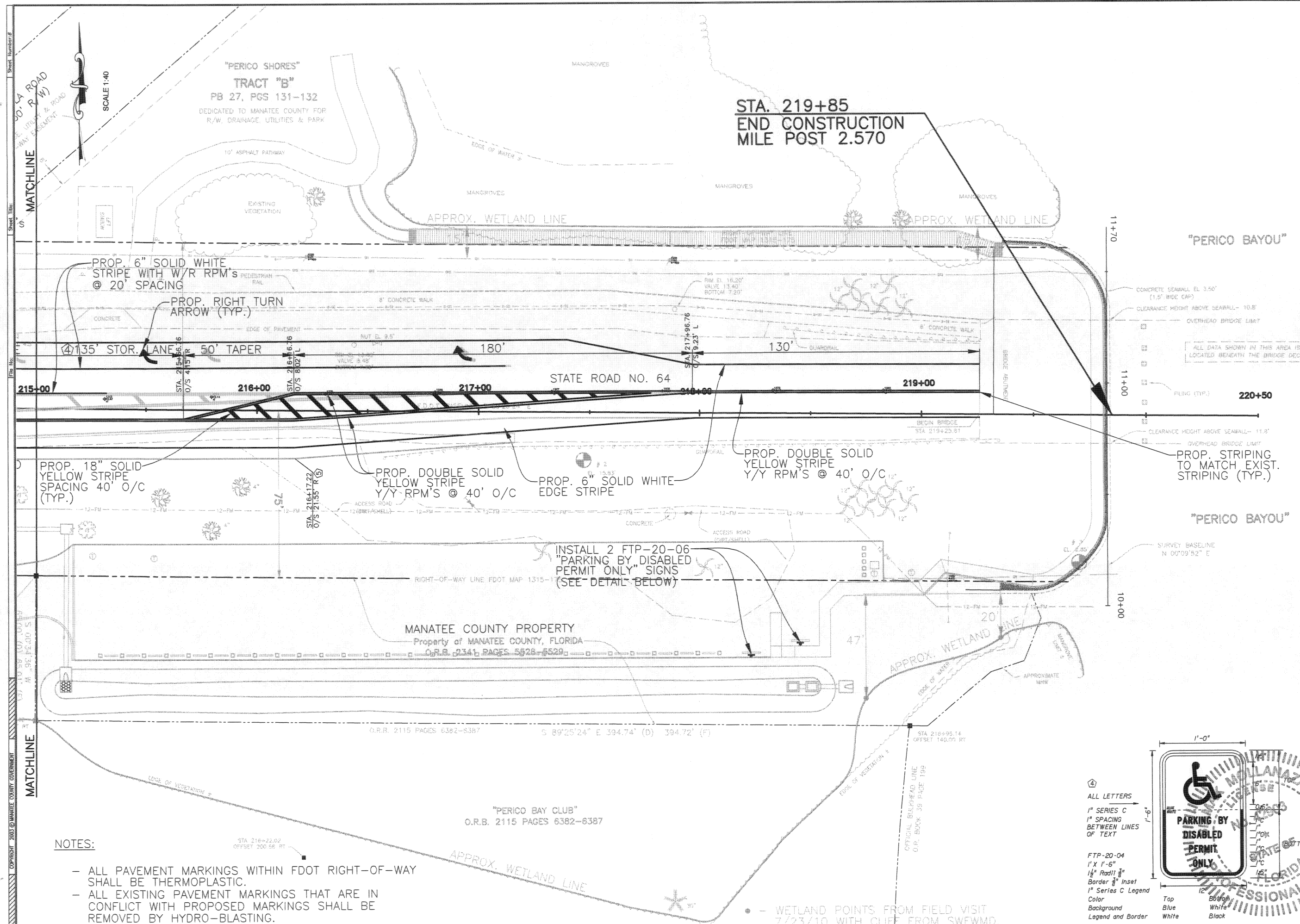
• - WETLAND POINTS FROM FIELD VISIT 7/23/10 WITH CLIFF FROM SWFWMD.



MANATEE COUNTY
PUBLIC WORKS
DEPARTMENT

PERICO BAYOU PARKING AREA
SIGNING & PAVEMENT MARKING SHEET 2

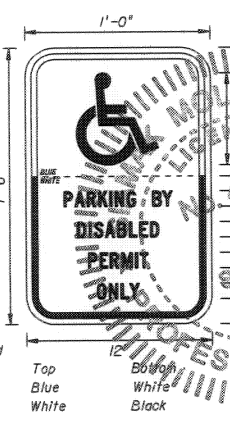
STA. 215+00 TO 220+00



- NOTES:
- ALL PAVEMENT MARKINGS WITHIN FDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
 - ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY HYDRO-BLASTING.

ALL LETTERS
1" SERIES C
1" SPACING
BETWEEN LINES
OF TEXT

FTP-20-04
1' X 1'-6"
1/2" Radii
Border 3/8" Inset
1" Series C Legend
Color
Background
Legend and Border



SEAL
APPROVED BY:

SEA MOLLANAZAR, P.E.
FLORIDA P.E. # 42993
MANATEE COUNTY GOVERNMENT
PUBLIC WORKS DEPARTMENT
105 26TH AVENUE EAST
BRADENTON, FL 34208

DATE: 11-10-12

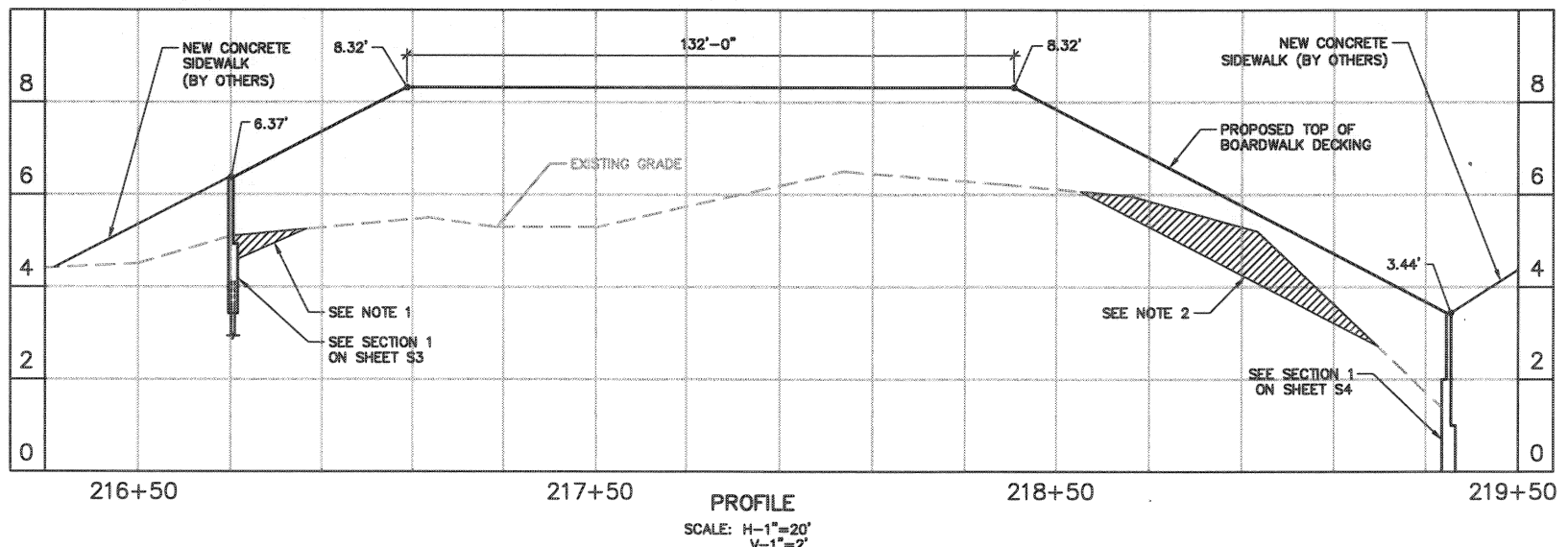
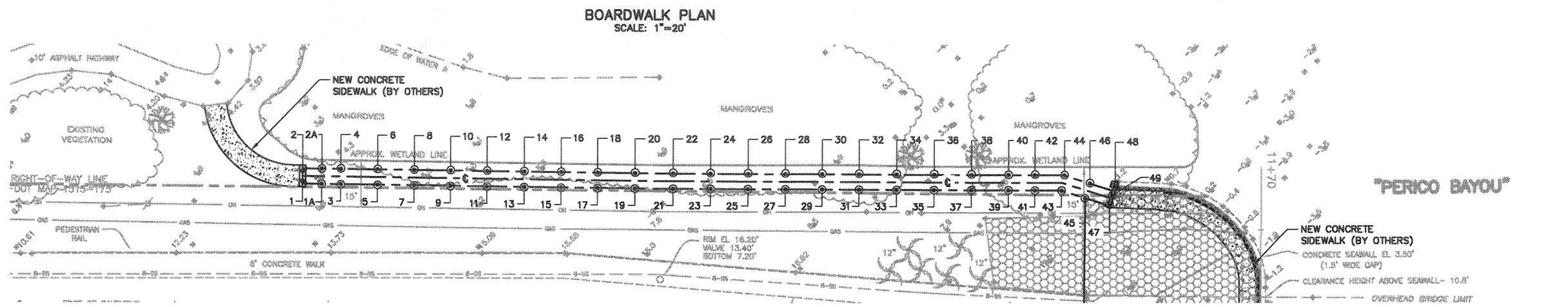
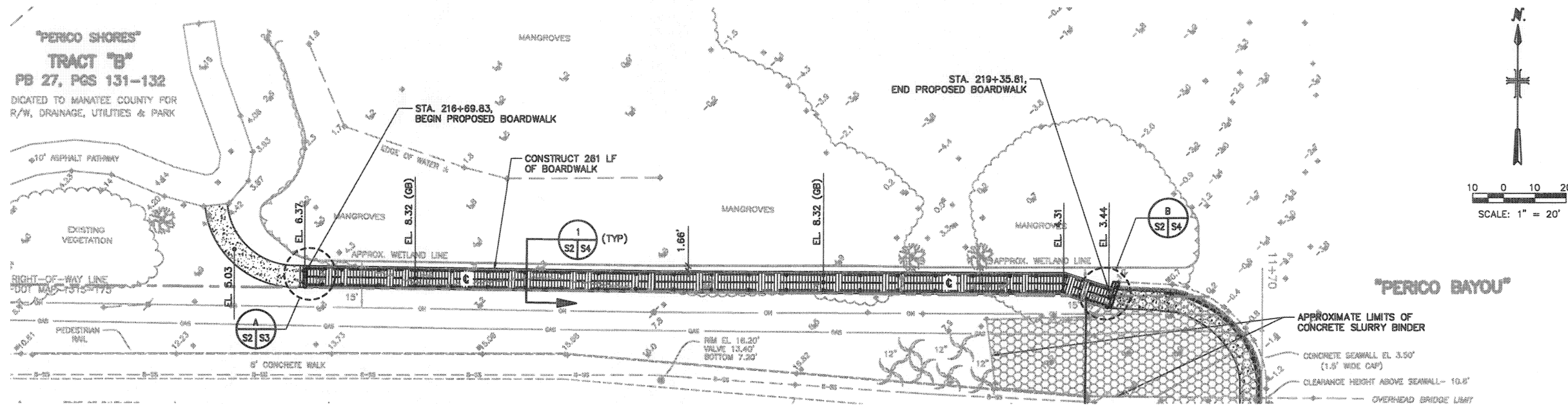
SHEET 40 OF 40

③ Lengthened left turn lane & changed Eastbound travel lane geometrics to match. Showed exist. prvmt. markings.	11/18/10
④ FDOT Rev. 1/6/11	1/18/11

REVISION	DATE
SURVEYED	HYATT 10/09
DESIGNED	AAM 10/10
DRAWN	MRJ 10/10
CHECKED	AAM/JP 11/10

REVISION	DATE
SURVEYED	HYATT 10/09
DESIGNED	AAM 10/10
DRAWN	MRJ 10/10
CHECKED	AAM/JP 11/10

PILING LOCATION TABLE			
PILE #	STATION	LEFT OFF-SET (LF)	CUT-OFF EL.
#1	216+71.71	78.69	4.11'
#1A	216+77.88	76.05	6.73'
#2	216+71.70	80.36	4.11'
#2A	216+77.90	80.97	6.73'
#3	216+84.15	76.03	6.98'
#4	216+84.15	80.95	6.98'
#5	216+96.15	75.99	7.58'
#6	216+96.15	80.91	7.58'
#7	217+08.15	75.95	8.20'
#8	217+08.15	80.87	8.20'
#9	217+20.15	75.92	8.20'
#10	217+20.15	80.83	8.20'
#11	217+32.15	75.88	8.20'
#12	217+32.15	80.79	8.20'
#13	217+44.15	75.84	8.20'
#14	217+44.15	80.76	8.20'
#15	217+56.15	75.80	8.20'
#16	217+56.15	80.72	8.20'
#17	217+68.15	75.76	8.20'
#18	217+68.15	80.67	8.20'
#19	217+80.15	75.72	8.20'
#20	217+80.15	80.64	8.20'
#21	217+92.15	75.74	8.20'
#22	217+92.15	80.66	8.20'
#23	218+04.15	75.81	8.20'
#24	218+04.15	80.72	8.20'
#25	218+16.15	75.87	8.20'
#26	218+16.15	80.79	8.20'
#27	218+28.15	75.94	8.20'
#28	218+28.15	80.86	8.20'
#29	218+40.15	76.01	8.20'
#30	218+40.15	80.93	8.20'
#31	218+52.15	76.08	7.57'
#32	218+52.15	80.99	7.57'
#33	218+64.15	76.15	6.95'
#34	218+64.15	81.06	6.95'
#35	218+76.15	76.21	6.33'
#36	218+76.15	81.13	6.33'
#37	218+88.15	76.28	5.70'
#38	218+88.15	81.20	5.70'
#39	219+00.15	76.35	5.08'
#40	219+00.15	81.26	5.08'
#41	219+08.72	76.40	4.69'
#42	219+08.75	81.31	4.69'
#43	219+17.35	76.42	4.29'
#44	219+18.20	81.30	4.29'
#45	219+25.15	74.06	3.89'
#46	219+26.58	78.77	3.89'
#47	219+33.07	71.99	1.17'
#48	219+34.89	77.88	1.17'
#49	219+33.98	74.93	1.17'



- NOTES:
- CUT GRADE TO ELEVATION 4.60 AT CONCRETE BEAM AND MATCH EXISTING GRADE 12 FT BEYOND FACE OF CONCRETE FOOTER. CUT 1 FT PAST BOARDWALK ON EACH SIDE.
 - CUT GRADE TO MAINTAIN A MINIMUM 18" FROM TOP OF BOARDWALK DECKING TO GRADE. REFER TO SHEETS S3 AND S4 FOR ADDITIONAL DETAILS.

LEGEND	
EXISTING	PROPOSED

H. A. HOBI
LICENSE
No. 59360

MALCOLM PIRNIE
STATE OF FLORIDA
CERTIFICATE OF AUTHORIZATION
14025 RIVEREDGE DR. SUITE 600
TAMPA, FLORIDA 33613
P.E. 59360

REVISIONS	
NO.	BY DATE

DES	HH
DWN	MC
CND	HH

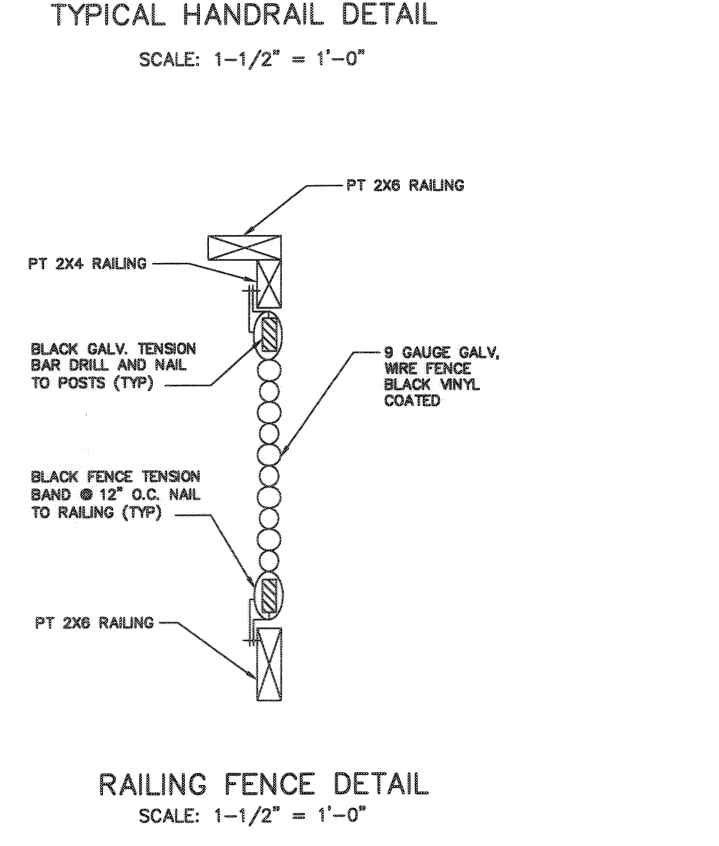
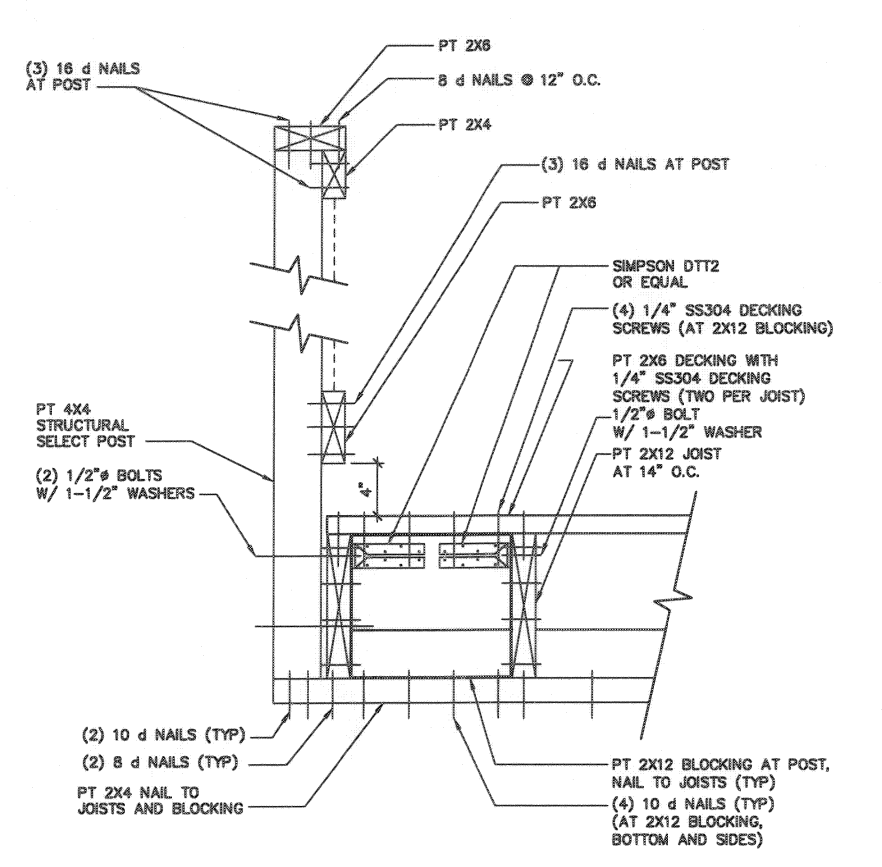
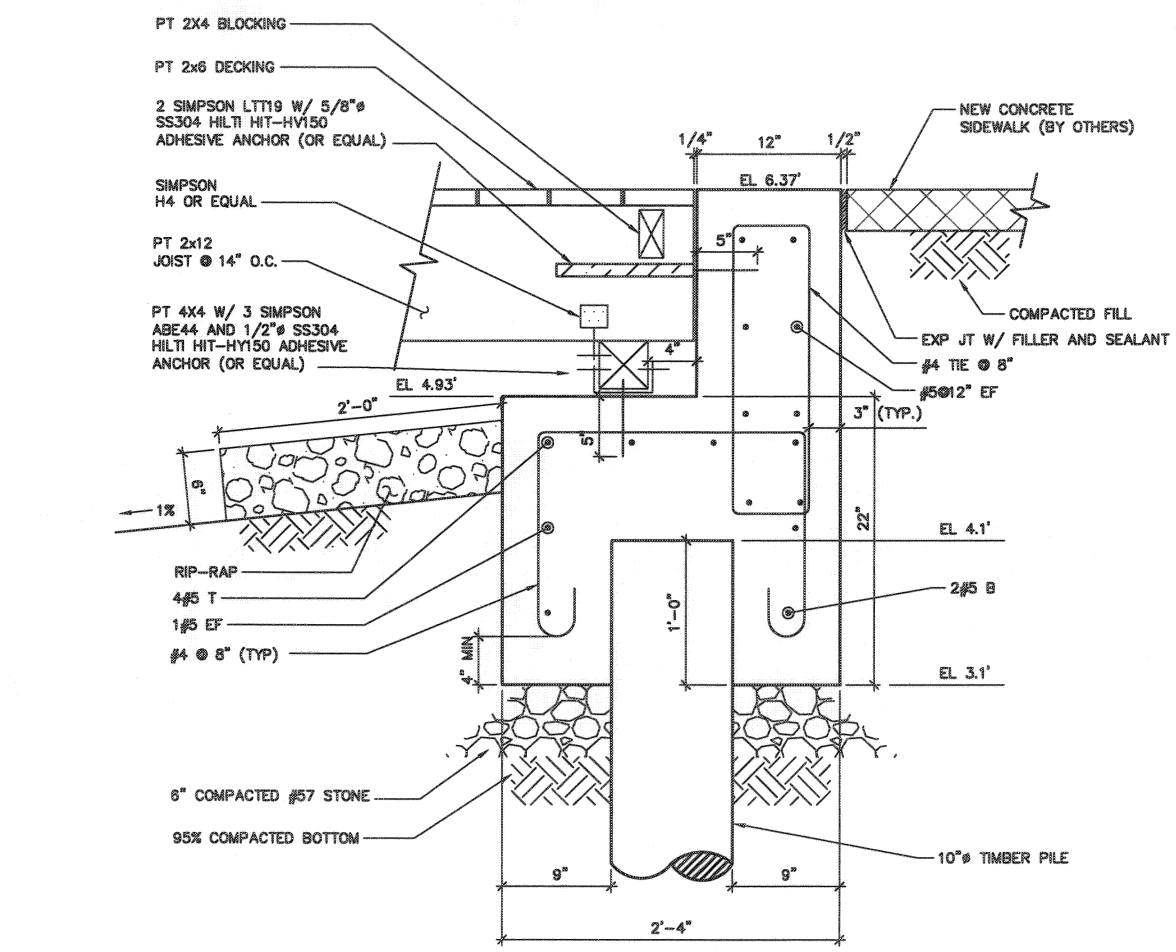
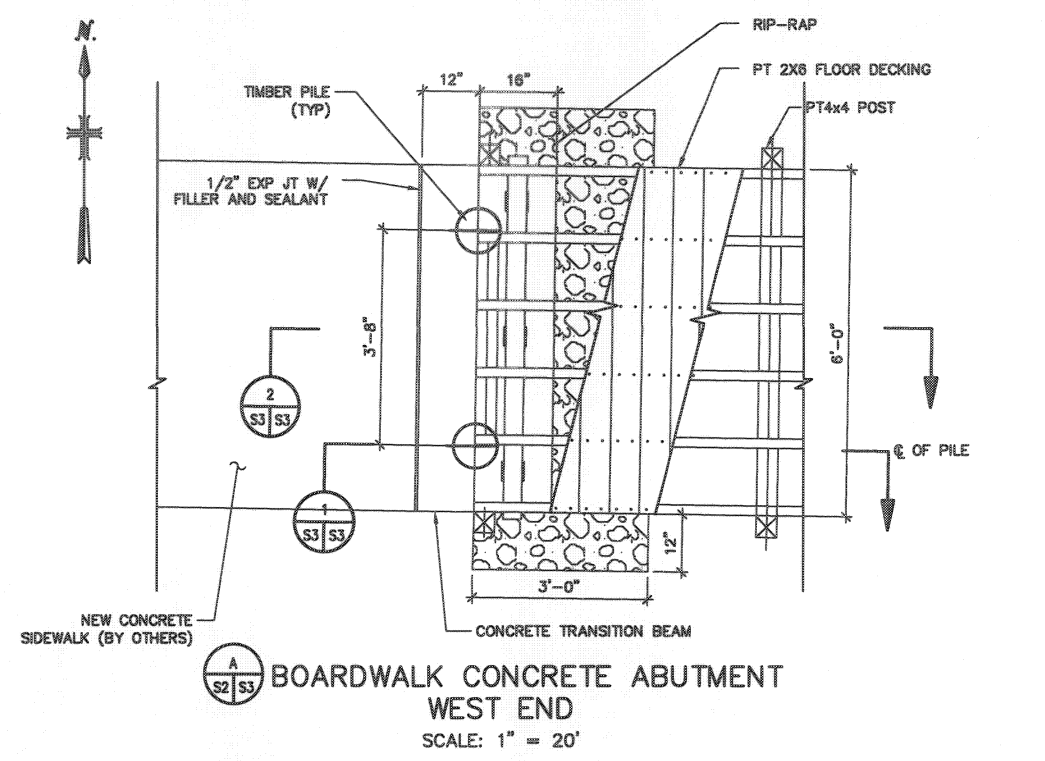
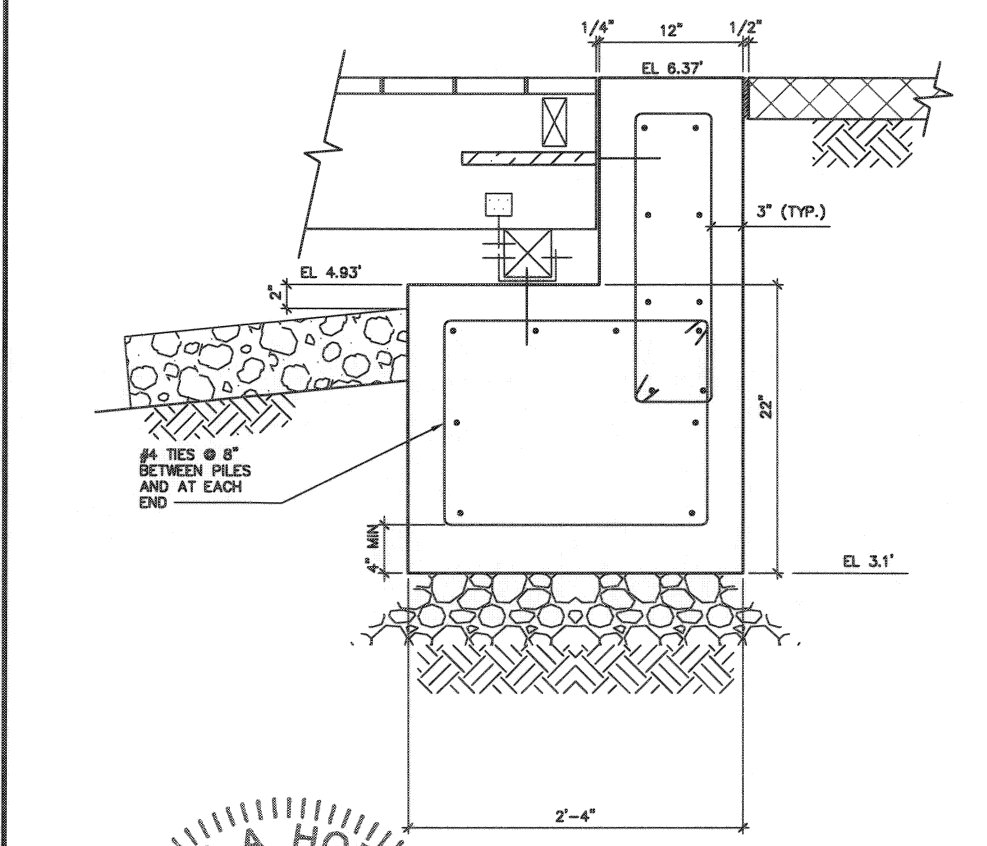
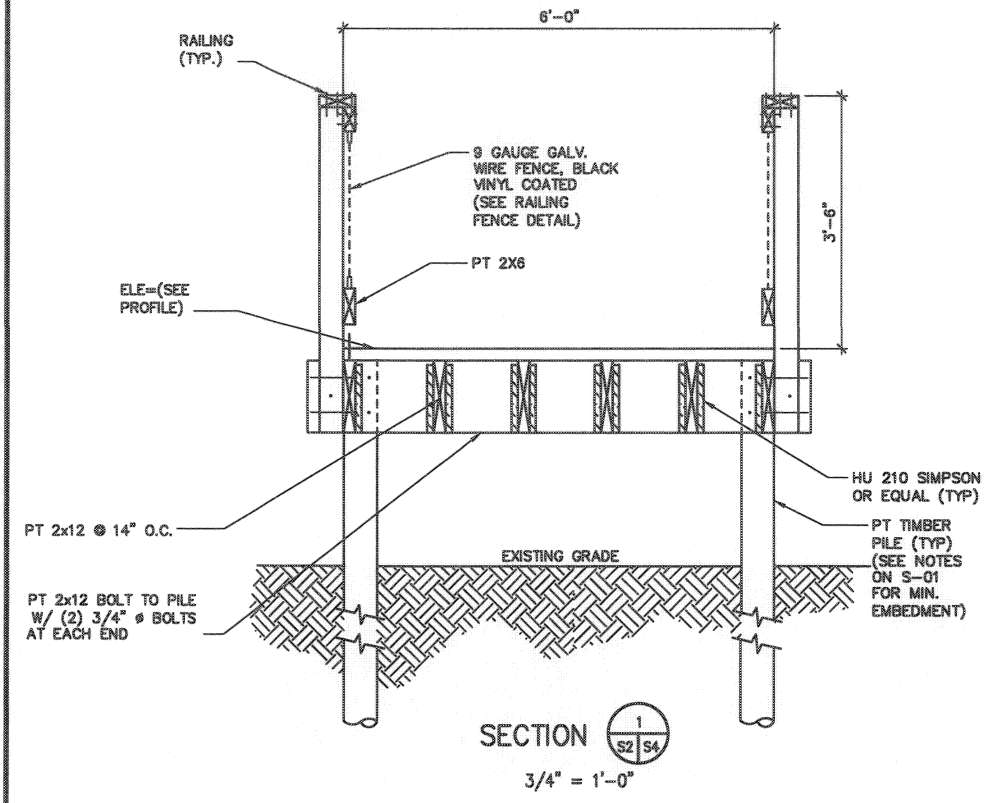
MANATEE COUNTY PUBLIC WORKS DEPARTMENT
PERICO BAYOU PARKING AREA
TRAIL ACCESS BOARDWALK

STRUCTURAL
BOARDWALK PLAN, PILE
LOCATION PLAN AND PROFILE

Copyright © 2007
MALCOLM PIRNIE, INC.
DATE DECEMBER 2011
S2
CAD REF. NO. 0132007_S-2

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XREFS: None
 MALCOLM PIRNIE
 CERTIFICATE OF AUTHORIZATION NO. 0000000000
 14025 RIVEREDGE DR., SUITE 9000
 TAMPA, FLORIDA 33607
 P.E. 59360
 User: dffreeman Spec: PIRNIE STANDARD File G:\CADD\ACAD\PROJ\0132 - MANATEE\007\Struct\0132007_S-3.DWG Scale: 1:1 Date: 01/11/2012 Time: 12:40 Layout: Blank



H. A. HOBI
 LICENSE
 No. 59360
MALCOLM PIRNIE
 CERTIFICATE OF AUTHORIZATION NO. 0000000000
 14025 RIVEREDGE DR., SUITE 9000
 TAMPA, FLORIDA 33607
 P.E. 59360

SECTION 2 (S3/S3) SCALE: 1-1/2" = 1'-0"

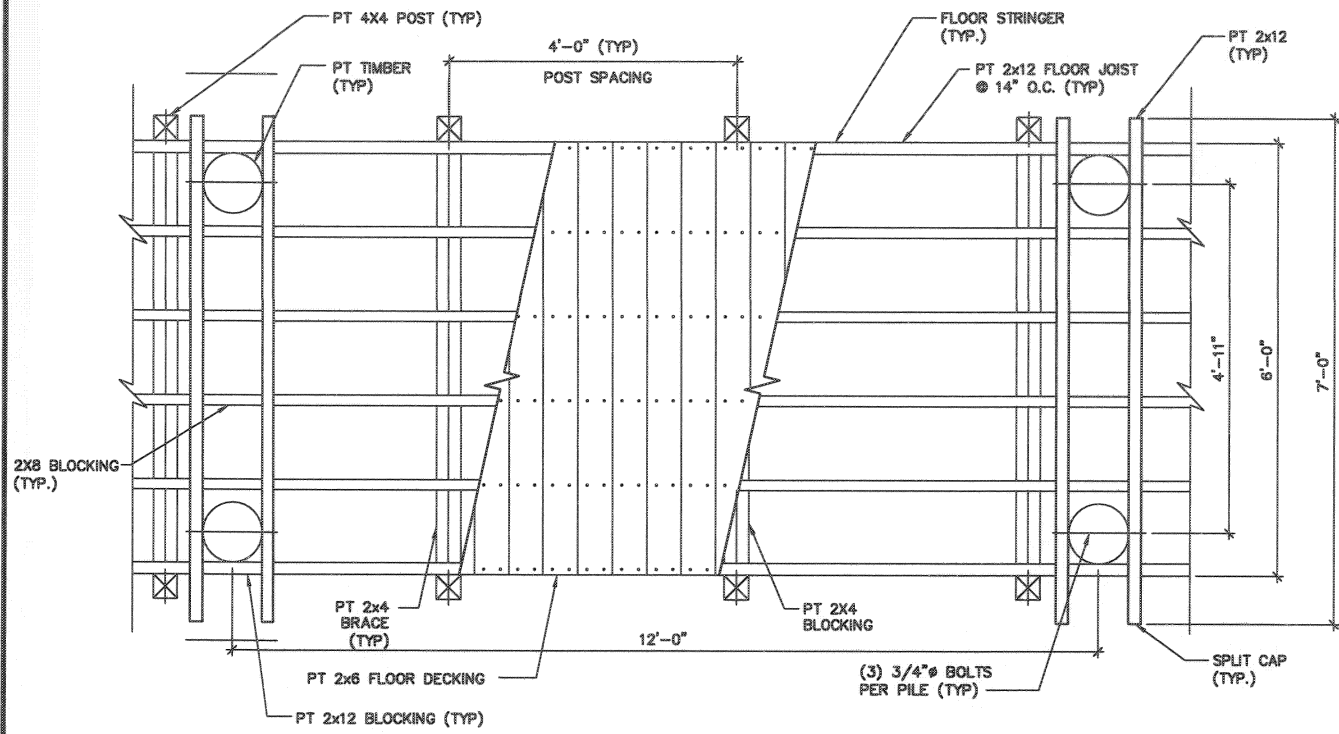
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DES: HH
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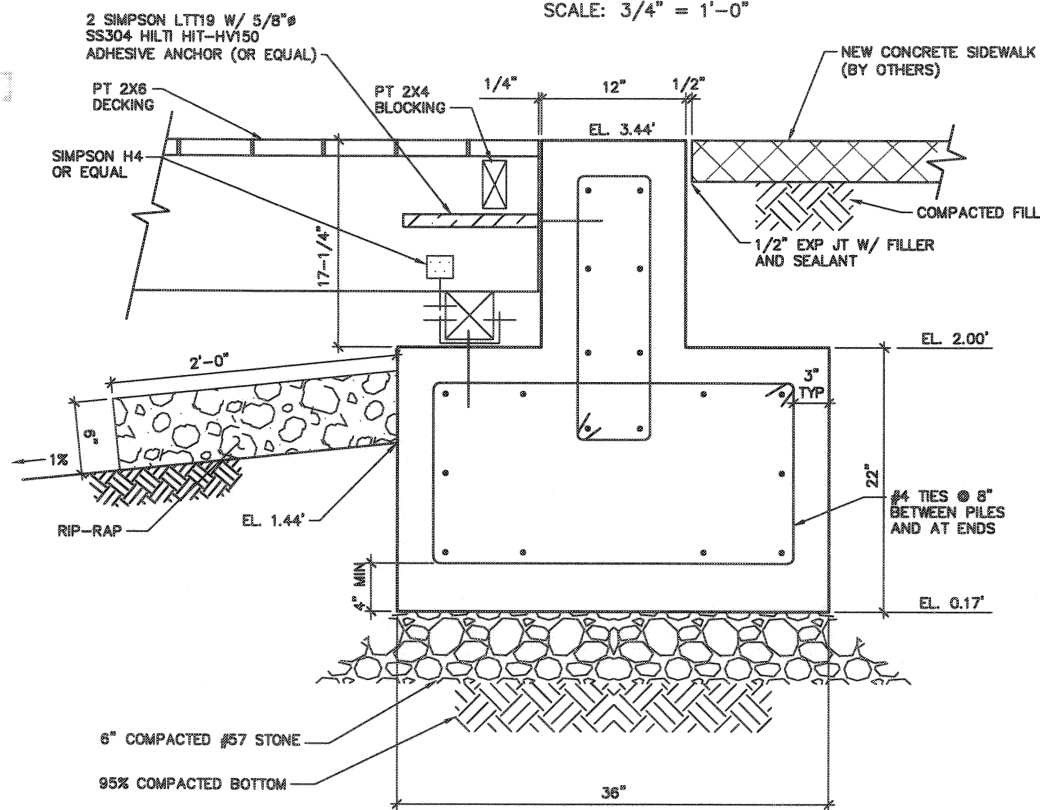
MANATEE COUNTY PUBLIC WORKS DEPARTMENT
PERICO BAYOU PARKING AREA
TRAIL ACCESS BOARDWALK

STRUCTURAL
SECTIONS AND DETAILS I

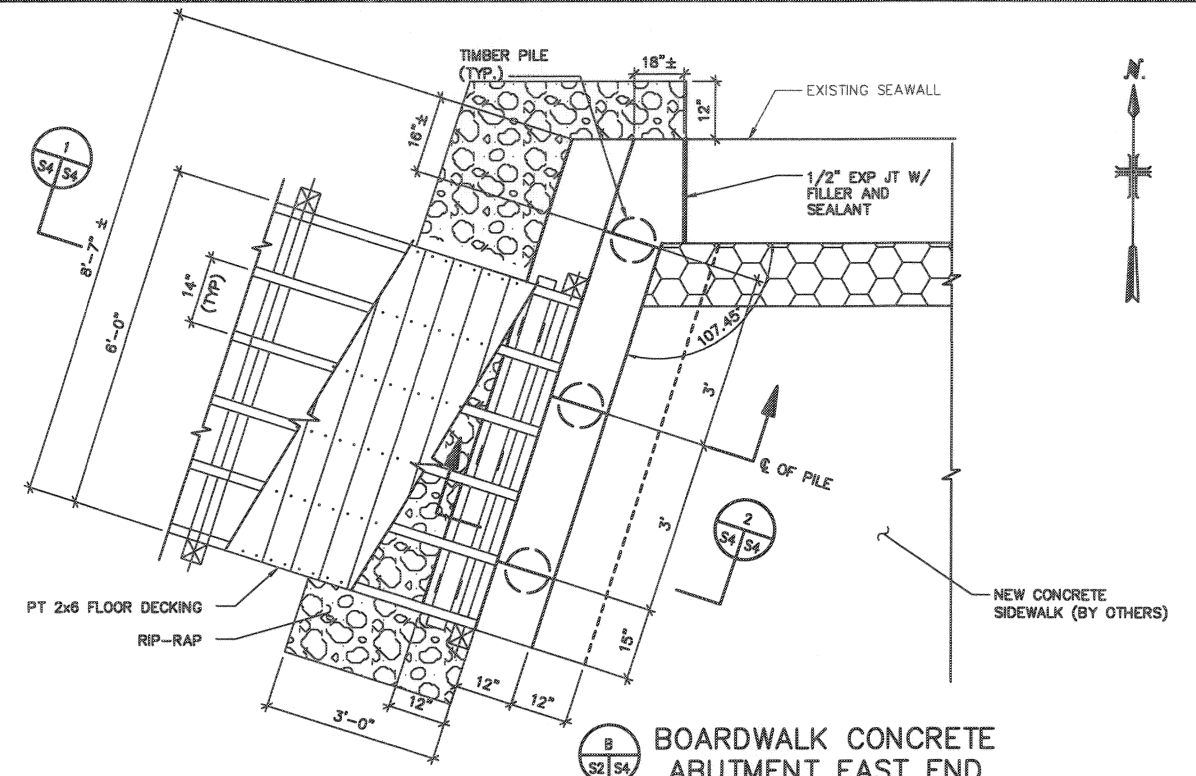
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 DATE: DECEMBER 2011
S3
 CAD REF. NO. 0132007_S-3



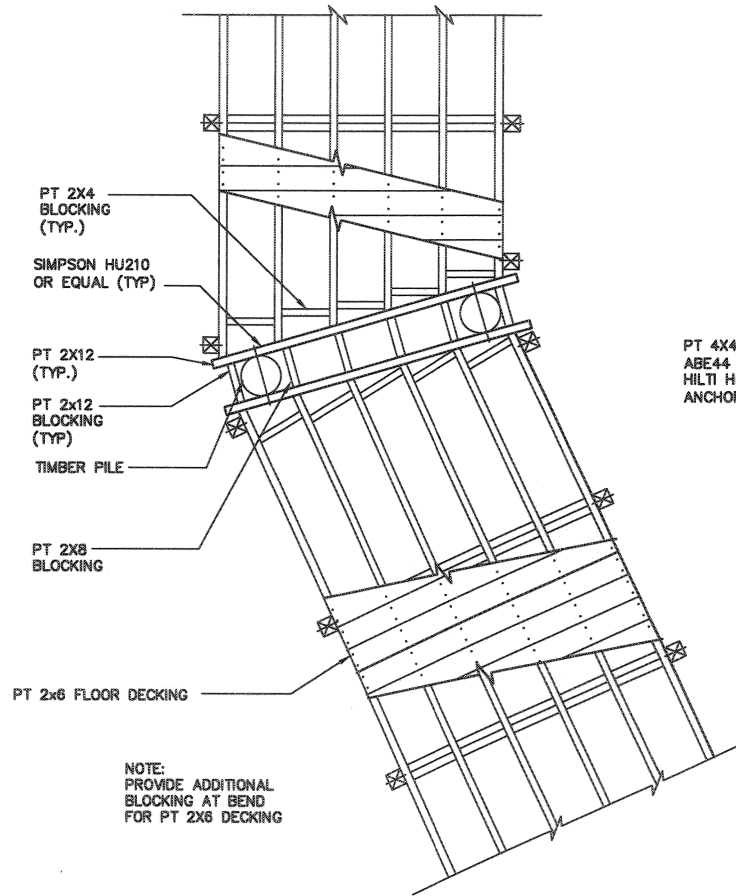
TYPICAL BOARDWALK DETAIL
SCALE: 3/4" = 1'-0"



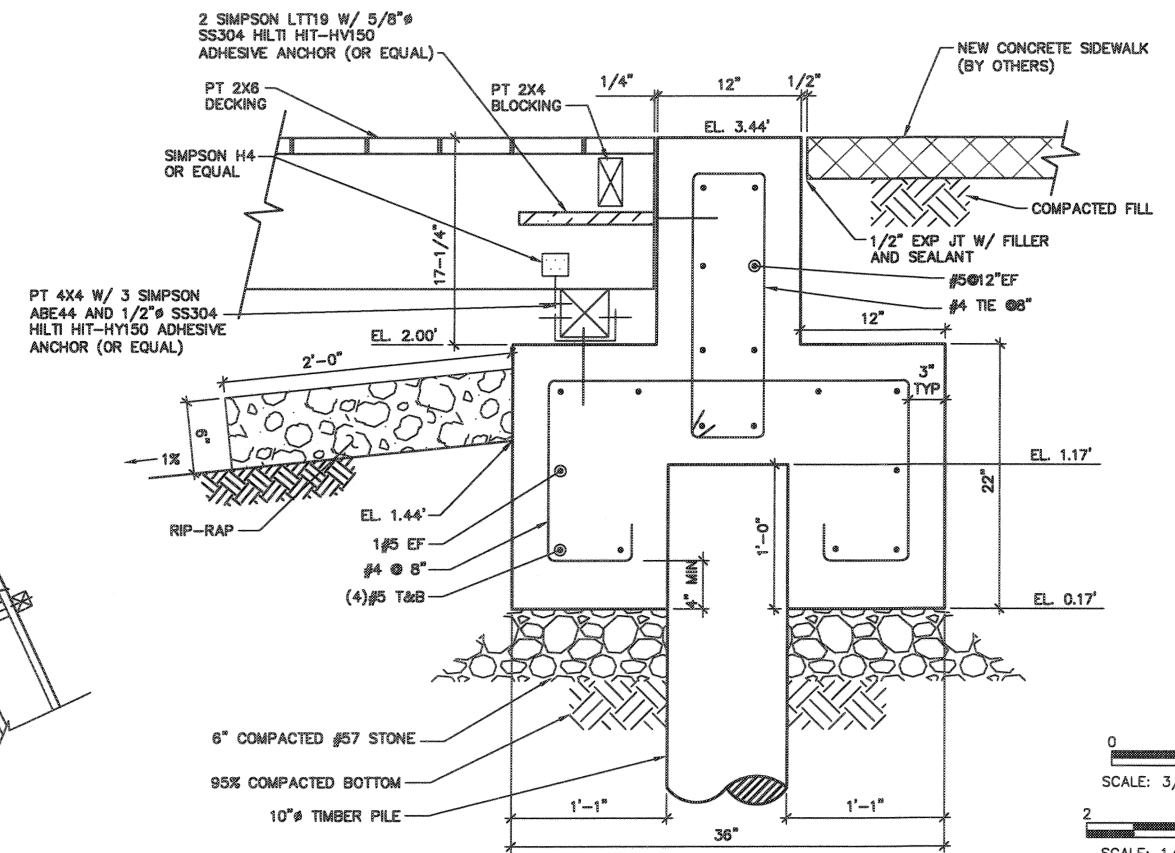
SECTION 2
SCALE: 1-1/2" = 1'-0"



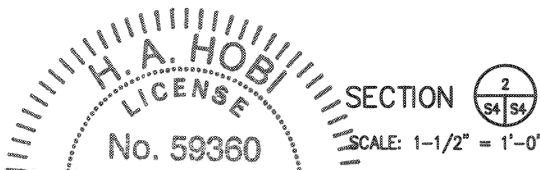
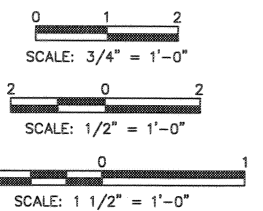
BOARDWALK CONCRETE ABUTMENT EAST END
SCALE: 1" = 20'



BOARDWALK BEND DETAIL
SCALE: 1/2" = 1'-0"



SECTION 1
SCALE: 1-1/2" = 1'-0"



MALCOLM PIRNIE
CERTIFICATE OF AUTHORIZATION NO. 14025
14025 RIVEREDGE DR., SUITE 800
TAMPA, FLORIDA 33637

NO.	BY	DATE	REVISIONS	REMARKS

DES HH
DWN MC
CRD HH

**MANATEE COUNTY PUBLIC WORKS DEPARTMENT
PERICO BAYOU PARKING AREA
TRAIL ACCESS BOARDWALK**

**STRUCTURAL
SECTIONS AND DETAILS II**

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DATE DECEMBER 2011
S4
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User: dffreeman Spec: PIRNIE STANDARD File G: \CAD\03\CAO\PROJ\0132007_S-4.DWG Scale: 1:1 Date: 01/11/2012 Time: 12:47 Layout: Blank