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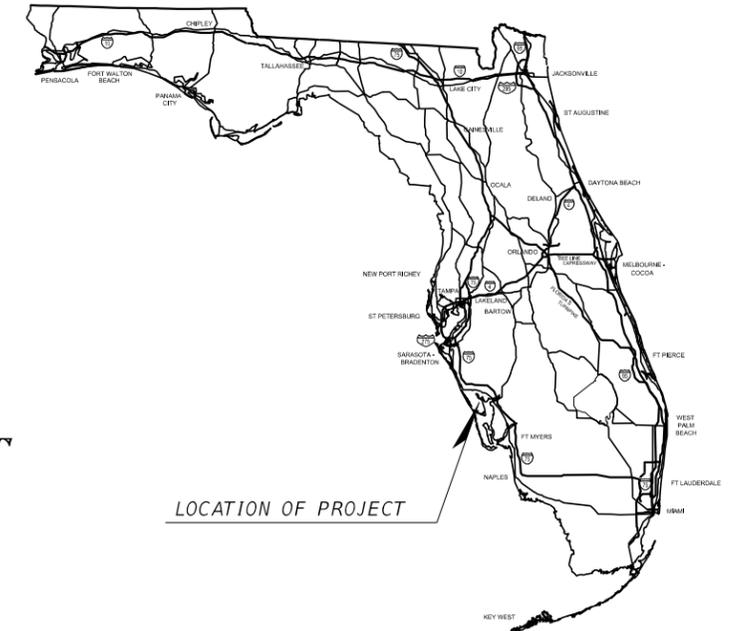
CHARLOTTE COUNTY, FLORIDA

CONTRACT PLANS

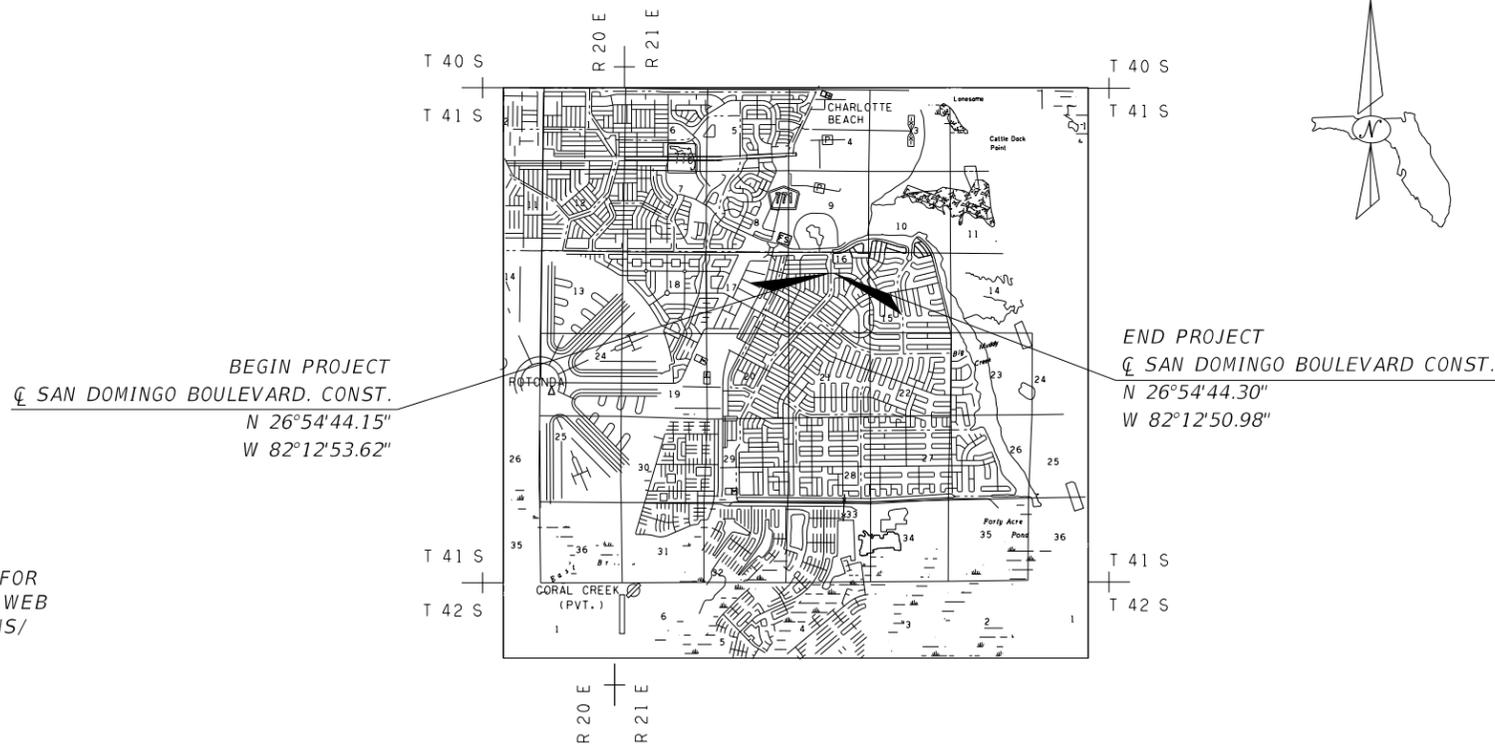
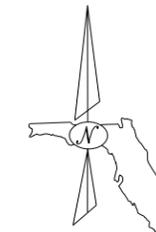
CHARLOTTE COUNTY PUBLIC WORKS

SOUTH GULF COVE MSBU BRIDGE REPAIR PROJECT
SAN DOMINGO BOULEVARD OVER
SANTA CRUZ WATERWAY (BRIDGE NO. 014070)

CONTRACT NO. 24-200 W.O. 299



LOCATION OF PROJECT



GOVERNING STANDARDS & SPECIFICATIONS:
 FLORIDA DEPARTMENT OF TRANSPORTATION,
 DESIGN STANDARDS DATED FY 2024-25,
 AND STANDARD SPECIFICATIONS FOR ROAD AND
 BRIDGE CONSTRUCTION DATED FY 2024-25,
 AS AMENDED BY CONTRACT DOCUMENTS.

FOR DESIGN STANDARDS CLICK ON "STANDARD PLANS FOR
 ROAD AND BRIDGE CONSTRUCTION" AT THE FOLLOWING WEB
 SITE: [HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/](https://www.fdot.gov/design/standardplans/)

SHOP DRAWINGS
 TO BE SUBMITTED TO:

LEO E. RODRIGUEZ, P.E.
 DRMP, INC.
 15310 AMBERLY DRIVE
 SUITE 310
 TAMPA, FL 33647

PLANS PREPARED BY:

DRMP, INC.
 15310 AMBERLY DRIVE
 SUITE 310
 TAMPA, FL 33647
 PHONE: (813) 265-9800
 LEO E. RODRIGUEZ, P.E. 78493

NOTE: THE SCALE OF THESE PLANS MAY
 HAVE CHANGED DUE TO REPRODUCTION.

GOOGLE EARTH LINK PROVIDED FOR BRIDGE LOCATION.
<https://maps.app.goo.gl/F1znR2UWg54yu6Uz9>

LOCATION MAP
 SECTION 16 TOWNSHIP 41S, RANGE 21E

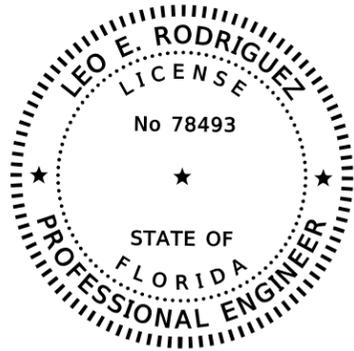
COUNTY PROJECT MANAGER: KELLY SLAUGHTER

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ENGINEER OF RECORD: LEO E. RODRIGUEZ, P.E.

P.E. NO.: 78493

FISCAL YEAR	SHEET NO.
25	B1-01



THIS ITEM HAS BEEN DIGITALLY
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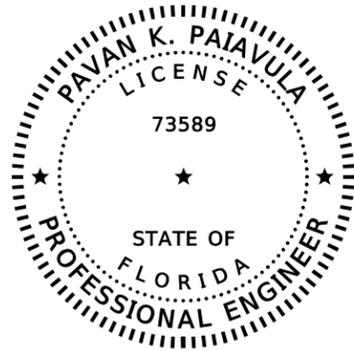
DRMP, INC.
LEO E. RODRIGUEZ, P.E.
P.E. LICENSE NUMBER 78493
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

STRUCTURE PLANS

SHEET NO. SHEET DESCRIPTION

- B1-01 KEYSHEET
- B1-02 SIGNATURE SHEET
- B1-03 GENERAL NOTES (1 OF 2)
- B1-04 GENERAL NOTES (2 OF 2)
- B1-05 SUMMARY OF QUANTITIES
- B1-06 GENERAL PLAN & ELEVATION
- B1-07 PILE JACKET DETAILS
- B1-08 MISCELLANEOUS REPAIR DETAILS (1 OF 2)
- B1-09 MISCELLANEOUS REPAIR DETAILS (2 OF 2)



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DRMP, INC.
PAVAN K. PAIYAVULA, P.E.
P.E. LICENSE NUMBER 73589
15310 AMBERLY DRIVE, SUITE 310
TAMPA, FL 33647

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

STRUCTURE PLANS

SHEET NO. SHEET DESCRIPTION

- B1-02 SIGNATURE SHEET
- B1-10 CONCEPTUAL TEMPORARY TRAFFIC CONTROL PLAN - GENERAL NOTES
- B1-11 CONCEPTUAL TEMPORARY TRAFFIC CONTROL PLAN - DETOUR PLAN

BRIDGE NO. 014070

REVISIONS						DRAWN BY: RP 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: SIGNATURE SHEET	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						DESIGNED BY: RP 09-24	N/A	CHARLOTTE	24-200	PROJECT NAME: SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	SHEET NO.
						CHECKED BY: DRJ 09-24					B1-02

GENERAL NOTES

DESIGN SPECIFICATIONS:

1. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATION (9TH EDITION, 2022) AND APPROVED INTERIMS AS SPECIFIED IN THE STRUCTURES DESIGN GUIDELINES.
2. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STRUCTURES DESIGN GUIDELINES (JANUARY 2024).

DRAWINGS AND DIMENSIONS:

1. DO NOT SCALE DRAWINGS.
2. VERIFY RELEVANT EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING REPAIRS OR ORDERING ANY MATERIALS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND.
3. ALL DIMENSIONS ARE IN FEET AND INCHES.

REINFORCING STEEL:

1. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. PER SPECIFICATION SECTION 415.
2. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCEMENT ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
3. REINFORCEMENT DETAIL DIMENSIONS ARE OUT-TO-OUT OF BARS.
4. TYPICAL REINFORCING BARS ARE DESIGNATED THUS:



ENVIRONMENT:

LOCATION - COASTAL (SALT-WATER)
 SUPERSTRUCTURE: EXTREMELY AGGRESSIVE (ASSUMED)
 SUBSTRUCTURE: EXTREMELY AGGRESSIVE (ASSUMED)

PLAN DIMENSIONS:

ALL DIMENSIONS IN THESE PLANS ARE GIVEN EITHER HORIZONTALLY OR VERTICALLY. UNLESS OTHERWISE NOTED DECK JOINT OPENINGS ARE GIVEN FOR A MEAN TEMPERATURE OF 70°F.

EXISTING PLANS:

STRUCTURE BUILT IN 1981. NO EXISTING PLANS AVAILABLE.

DIMENSION VERIFICATION:

THE DIMENSIONS, ELEVATIONS, AND INTERSECTION ANGLES SHOWN ARE BASED ON LIMITED INFORMATION FROM EXISTING DOCUMENTS AND FIELD MEASUREMENTS. VERIFY THE DATA BEFORE CONSTRUCTION OR ORDERING MATERIALS.

VERTICAL DATUM:

PLAN ELEVATIONS ARE IN FEET AND REFER TO NAVD88 DATUM. VERIFY THE RELEVANT ELEVATIONS IN THE FIELD.

UTILITIES:

LOCATE RELEVANT UTILITIES (INCLUDING SUBAQUEOUS CHANNEL CROSSINGS) BEFORE COMMENCING CONSTRUCTION. CONTACT SUNSHINE 811 AND ANY OTHER LOCAL UTILITIES TO VERIFY THE UTILITIES EXISTING AT THE CONSTRUCTION SITE. IF ANY UTILITIES CONFLICT WITH PROPOSED CONSTRUCTION METHODS, MATERIALS, OR EQUIPMENT, NOTIFY THE ENGINEER.

UTILITIES: (CONTINUED)

- CHARLOTTE COUNTY UTILITIES - SW (941) 764-4309
- CENTURYLINK (850) 599-1444
- COMCAST (239) 253-7642
- FLORIDA POWER & LIGHT - SUBAQUEOUS (386) 586-6403
- FLORIDA POWER & LIGHT - CHARLOTTE (386) 586-6403

INCIDENTAL ITEMS:

PAYMENT FOR INCIDENTAL ITEMS NOT SPECIFICALLY COVERED IN THE INDIVIDUAL PAY ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR BID ITEMS CONTAINED IN THIS CONTRACT.

CONCRETE:

ALL CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 346 OF THE FDOT SPECIFICATIONS.
 f'c CLASS NS = 2500 psi

JOINTS IN CONCRETE:

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS INDICATED ON THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.

PHASING OF WORK:

WORK PHASING AND PROGRESSION OF THE WORK SHALL CONFORM WITH THE TRAFFIC CONTROL NOTES AND THE NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS AND APPLICABLE STANDARDS.

CONCRETE RESTORATION:

FOR REQUIREMENTS ON SURFACE PREPARATION MIXING, PLACING, FINISHING, MATERIAL, AND OTHER RELATED ITEMS, REFER TO THE FDOT SPECIFICATIONS.

SITE CONDITIONS:

1. BE AWARE OF THE SITE CONDITIONS REGARDING WATER DEPTH AND DO NOT DISTURB THE HABITAT.
2. BULKHEAD WALL CRACK REPAIRS MAY BE LOCATED UNDERWATER AND REQUIRE UNDERWATER REPAIR TECHNIQUES. PROVIDE TEMPORARY FORMWORK INSTALLATION DETAILS TO ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.

CONCRETE COVER:

CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE PLACEMENT OR FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER". SEE FDOT SPECIFICATIONS FOR ALLOWABLE TOLERANCES.

MATERIAL PRODUCTS:

MATERIAL MEETING THE REQUIREMENTS OF THE FDOT APPROVED PRODUCTS LIST (APL) AND PLANS AND SPECIFICATIONS SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE OF NAVIGATION CHANNEL:

NOTIFY LT. CLARK SANFORD AT THE USCG SECTOR ST. PETERSBURG AT 813-228-2191 EXT. 8105 PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, IN ADVANCE OF ACTIONS DURING BRIDGE CONSTRUCTION OR DEMOLITION WHICH POTENTIALLY AFFECT WATERWAY USERS AND PRIOR TO THE PLACEMENT OF ANY FLOATING CONSTRUCTION EQUIPMENT IN THE WATERWAY. NOTIFY NO LESS THAN 60 DAYS IN ADVANCE OF ACTIONS WHICH COULD POTENTIALLY AFFECT THE WATERWAY.

MARINE TRAFFIC:

KEEP THE CHANNEL OPEN TO TRAFFIC AT ALL TIMES.

PROTECTION OF WATER RESOURCES:

1. CONDUCT ACTIVITIES IN A MANNER TO AVOID POLLUTION OF SURFACE AND GROUND WATER AND WETLANDS. THE CONSTRUCTION METHODS SHALL PROTECT WETLAND AND SURFACE WATER AREAS FROM DAMAGE DUE TO MECHANICAL GRADING, EROSION, SEDIMENTATION, VEHICULAR TRAFFIC, AND TURBID DISCHARGES. NO STORAGE OR STOCKPILING OF EQUIPMENTS IS ALLOWED WITHIN ANY WETLAND AREA UNLESS SPECIFICALLY AUTHORIZED UNDER PERMIT. WATER DIRECTLY DERIVED FROM CONSTRUCTION ACTIVITIES SHALL BE COLLECTED IN RETENTION AREAS TO ALLOW SETTLING OF SUSPENDED MATERIALS. ALL MONITORING OF ANY WATER AREAS THAT ARE AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. IMMEDIATELY REMOVE DEBRIS THAT FALLS IN THE WATER AT THE CONTRACTOR'S OWN EXPENSE.

OIL, FUEL AND HAZARDOUS SUBSTANCE SPILL PREVENTION:

PREPARE A SPILL CONTINGENCY PLAN IN ACCORDANCE WITH 40CFR, PART 109. THE PLAN IS REQUIRED TO PREVENT OIL, FUEL OR OTHER HAZARDOUS SUBSTANCES FROM ENTERING THE AIR, GROUND, DRAINAGE, AND LOCAL BODIES OR WETLANDS. IN THE EVENT THAT A SPILL OCCURS, DESPITE DESIGN AND PROCEDURAL CONTROLS, TAKE IMMEDIATE ACTION TO CONTAIN AND CLEANUP THE SPILL AND REPORT THE SPILL IMMEDIATELY TO THE COUNTY'S REPRESENTATIVE. SUBMIT A WRITTEN REPORT PROVIDING CERTIFICATION OF COMMITMENT OF MANPOWER, EQUIPMENT AND MATERIALS NECESSARY TO PREVENT THE SPREAD AND EFFECT EXPEDITIOUS CLEANUP AND DISPOSAL.

FISH AND WILDLIFE RESOURCES PROTECTION:

1. CONTROL AND MINIMIZE INTERFERENCE WITH, DISTURBANCE TO, AND DAMAGE TO FISH AND WILDLIFE RESOURCES WHERE APPROPRIATE. THE ENVIRONMENTAL PROTECTION PLAN SHOULD LIST ANY THREATENED AND ENDANGERED SPECIES THAT NEED SPECIFIC PROTECTION MEASURES. THE PERSON RESPONSIBLE FOR THE ENVIRONMENTAL PROTECTION PLAN MUST IDENTIFY THE THREATENED AND ENDANGERED SPECIES LISTED. IF THE CONTRACTOR OBSERVES ANY ACTIVITY THAT MIGHT ADVERSELY IMPACT THREATENED OR ENDANGERED SPECIES, IMMEDIATELY NOTIFY THE COUNTY AND THE COUNTY'S REPRESENTATIVE. THE COUNTY'S REPRESENTATIVE HOLDS THE SOLE AUTHORITY TO STOP WORK, CREATE A BUFFER AREA, OR RESTART CONSTRUCTION ACTIVITIES.
2. IN THE EVENT THAT THE COUNTY'S REPRESENTATIVE DETERMINES THE ADVERSE IMPACT TO THREATENED OR ENDANGERED SPECIES MAY OCCUR AS A RESULT OF THE CONSTRUCTION ACTIVITIES, THE COUNTY SHALL NOTIFY THE CORPS OF ENGINEERS AND THE FISH AND WILDLIFE SERVICE. ADVERSE IMPACT IS DEFINED AS TO HARASS, HARM, PURSUE, HUNT, SHOOT, WOUND, KILL, TRAP, CAPTURE, COLLECT, OR TO ATTEMPT TO ENGAGE IN ANY SUCH CONDUCT.

BRIDGE NO. 014070

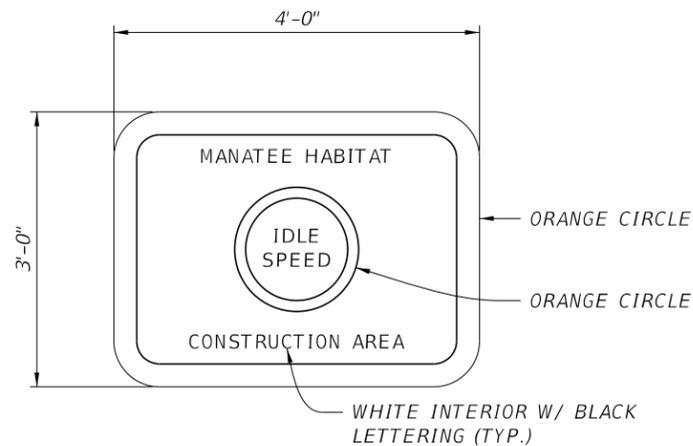
REVISIONS						LEO E. RODRIGUEZ, P.E. P.E. NO.: 78493 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647	DRAWN BY: RP 09-24 CHECKED BY: DRJ 09-24 DESIGNED BY: RP 09-24 CHECKED BY: DRJ 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: GENERAL NOTES (1 OF 2)	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-03	

GENERAL NOTES

SPECIAL MANATEE PROTECTION CONDITIONS:

MANATEES MAY BE PRESENT IN THE AREA. THE CONTRACTOR SHALL COMPLY WITH THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION'S STANDARD MANATEE PROTECTION CONSTRUCTION CONDITIONS FOR IN-WATER WORK.

1. ALL PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH AND INJURY TO MANATEES. ALL CONSTRUCTION PERSONNEL IS ADVISED THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT.
2. ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEED/NO WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FEET CLEARANCE FROM THE BOTTOM, ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.
3. SILTATION OR TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND ENTRAPMENT. BARRIERS MUST NOT IMPEDE MANATEE MOVEMENT.
4. ALL ONSITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S) COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE(S) HAS MOVED BEYOND THE 50-FOOT RADIUS OF THE PROJECT OPERATION, OR UNTIL 30 MINUTES ELAPSES IF THE MANATEE(S) HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION, ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.
5. ANY COLLISIONS WITH OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FWC HOTLINE AT 1-888-404-FWCC. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-232-2580) FOR NORTH FLORIDA OR VERO BEACH (1-561-562-3909) FOR SOUTH FLORIDA.
6. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE PERMITTEE UPON COMPLETION OF THE PROJECT. AWARENESS SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) MUST BE USED. ONE SIGN MEASURING AT LEAST 3 FT. BY 4 FT. WHICH READS CAUTION: MANATEE AREA MUST BE POSTED.



7. A SECOND SIGN MEASURING AT LEAST 8½" x 11" EXPLAINING THE REQUIREMENTS FOR "IDLE SPEED/NO WAKE" AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES.

SPECIAL MANATEE PROTECTION CONDITIONS: (CONTINUED)

CAUTION: MANATEE HABITAT

All Project Vessels
IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must
SHUT DOWN

Report any collision or injury to:
1-888-404-FWCC (1-888-404-3922)

Florida Fish and Wildlife Conservation Commission

ALL SIGNS ARE TO BE REMOVED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.

BRIDGE NO. 014070

REVISIONS						DRAWN BY: RP 09-24 CHECKED BY: DRJ 09-24 DESIGNED BY: RP 09-24 CHECKED BY: DRJ 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
LEO E. RODRIGUEZ, P.E. P.E. NO.: 78493 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647						N/A	CHARLOTTE	24-200	GENERAL NOTES (2 OF 2)		
									SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-04	

BID ITEMS FOR BRIDGE NO. 014070 SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
101-1**	MOBILIZATION	LS	1
102-1**	MAINTENANCE OF TRAFFIC	LS	1
104-11**	FLOATING TURBIDITY BARRIER	LF	120
110-1-1**	CLEARING & GRUBBING	LS	1
121-70	FLOWABLE FILL	CY	2.0
327-70-5**	MILLING EXISTING ASPHALT PAVEMENT, 2" AVG. DEPTH	SY	126
327-70-20**	MILLING EXISTING ASPHALT PAVEMENT, 3 3/4" AVG. DEPTH	SY	442
331-2B**	ASPHALTIC CONCRETE TYPE S-III	TN	103.7
400-150**	CLEANING AND SEALING CONCRETE SURFACE	SF	1465
401-70-1	RESTORE SPALLED AREAS, EPOXY	CF	8.8
401-999**	WATERPROOFING MEMBRANE	SY	380.0
411-1	EPOXY MATERIAL FOR CRACK INJECTION - STRUCTURES REHAB	GA	5
411-2	CRACKS INJECT & SEAL - STRUCTURES REHAB	LF	81
457-1-11	STANDARD INTEGRAL PILE JACKET, NON-STRUCTURAL, UP TO 16"	LF	148
458-1-21	BRIDGE DECK EXPANSION JOINT, REHABILITATION, POURED JOINT WITH BACKER ROD	LF	221
458-2	POLYMER NOSING FOR BRIDGE DECK EXPANSION JOINT	CF	84.8
530-3-3	RIPRAP, RUBBLE, BANK AND SHORE	TN	15.3
530-74	BEDDING STONE	TN	5.7
E536-15	MISCELLANEOUS GUARDRAIL MAINTENANCE	LS	1
705-10-3	OBJECT MARKER, TYPE 3	EA	4
710-A**	PAINTED PAVEMENT MARKINGS, DURABLE, WHITE, SOLID 6"	LF	482
710-B**	PAINTED PAVEMENT MARKINGS, DURABLE, YELLOW, SOLID 6"	LF	482

NOTES:

- ALL WORK DESCRIBED IN REPAIR NOTE 7 ON THE "GENERAL PLAN AND ELEVATION" SHEET IS COVERED UNDER PAY ITEM E536-15, "MISCELLANEOUS GUARDRAIL MAINTENANCE."
- ALL WORK DESCRIBED IN REPAIR NOTE 8 ON THE "GENERAL PLAN AND ELEVATION" SHEET IS COVERED UNDER PAY ITEM 401-70-1, "RESTORE SPALLED AREAS, EPOXY."
- ALL WORK DESCRIBED IN REPAIR NOTE 9 ON THE "GENERAL PLAN AND ELEVATION" SHEET IS COVERED UNDER PAY ITEM 110-1-1, "CLEARING & GRUBBING."
- ALL WORK DESCRIBED IN REPAIR NOTE 10 ON THE "GENERAL PLAN AND ELEVATION" SHEET IS CONSIDERED INCIDENTAL TO PAY ITEM 411-2, "INJECT AND SEAL CRACK."
- ALL WORK DESCRIBED IN REPAIR NOTE 11 ON THE "GENERAL PLAN AND ELEVATION" SHEET IS COVERED UNDER PAY ITEM 400-150, "CLEANING AND SEALING CONCRETE SURFACE".

** NOTE - TECHNICAL SPECIAL PROVISION PROVIDED.

CRACK REPAIR TABLE

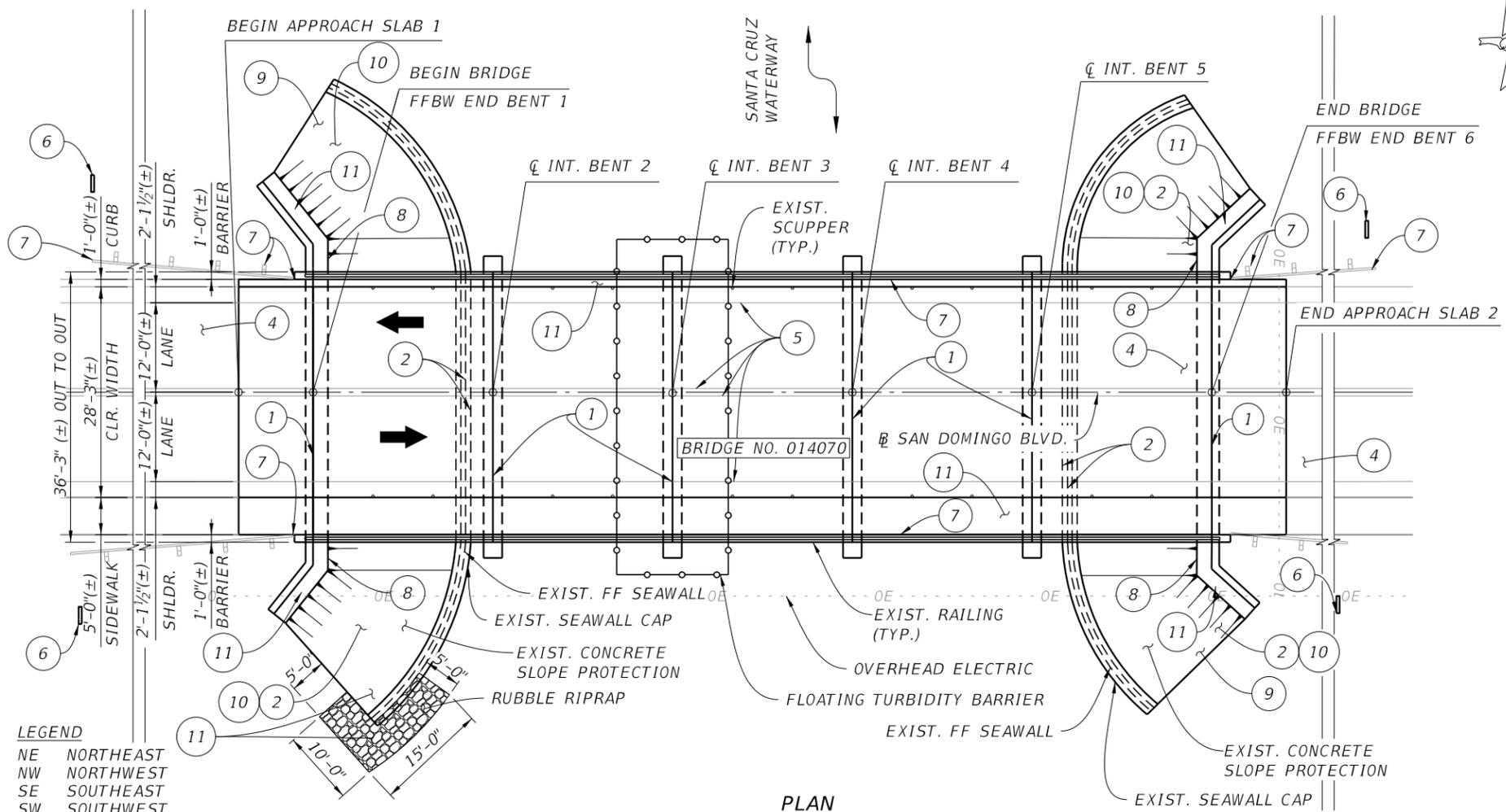
LOCATION	DESCRIPTION	DIMENSIONS PER INSPECTION				TOTAL LENGTH (FT.)
		LENGTH	WIDTH	DEPTH	NO.	
		(FT.)	(IN.)	(IN.)		
SLOPE PROTECTION	SOUTHWEST CORNER, RANDOM CRACKS	11.50	0.1250	4	1	20
SLOPE PROTECTION	SOUTHEAST CORNER, RANDOM CRACKS	1.75	0.0625	4	1	10
SLOPE PROTECTION	NORTHEAST CORNER, RANDOM CRACKS	1.75	0.1250	4	1	10
WEST BULKHEAD WALL CAP	VERTICAL CRACKS	2.00	0.0625	4	1	2
WEST BULKHEAD WALL	VERTICAL CRACKS	1.75	0.0313	8	4	20
EAST BULKHEAD WALL	VERTICAL CRACKS	1.75	0.0313	8	4	20

NOTES:

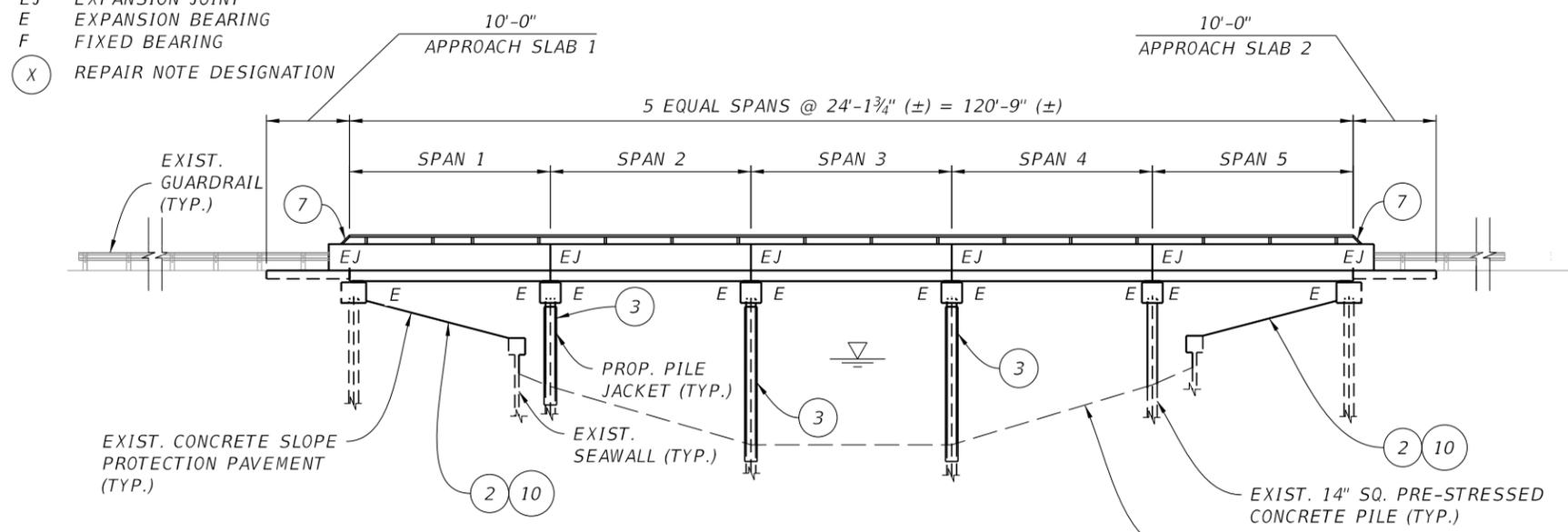
- REPAIR DEPTH ASSUMED FOR QUANTITY PURPOSES.
- TOTAL REPAIR QUANTITY ASSUMES 25 LF ADDITIONAL CRACKS IN SLOPE PROTECTION TO ACCOUNT FOR UNKNOWN DEFICIENCY EXTENTS.
- TOTAL REPAIR QUANTITY ASSUMES 25 LF ADDITIONAL CRACKS IN BULKHEAD WALLS TO ACCOUNT FOR UNKNOWN DEFICIENCY EXTENTS.

BRIDGE NO. 014070

REVISIONS						DRAWN BY: RP 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: SUMMARY OF QUANTITIES	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						LEO E. RODRIGUEZ, P.E. P.E. NO.: 78493 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647				PROJECT NAME: SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	SHEET NO. B1-05
							N/A	CHARLOTTE	24-200		



PLAN



PROJECTED ELEVATION

(SOUTH ELEVATION SHOWN, NORTH SIMILAR)

REPAIR LOCATION DATA TABLE		
REPAIR NOTE	ASSOCIATIVE REPAIR MATERIAL	
	SHT. NO.	SHEET TITLE
1	B1-08	MISCELLANEOUS REPAIR DETAILS (1 OF 2)
2	B1-05 & B1-09	SUMMARY OF QUANTITIES & MISCELLANEOUS REPAIR DETAILS (2 OF 2)
3	B1-07	PILE JACKETS DETAILS
4	B1-08	MISCELLANEOUS REPAIR DETAILS (1 OF 2)
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	B1-09	MISCELLANEOUS REPAIR DETAILS (2 OF 2)
12	N/A	N/A

REPAIR NOTES

1. REPLACE EXPANSION JOINTS AT ALL BENTS. PROVIDE 1" DEEP SAW CUT AT APPROACH SLAB TO APPROACH ROADWAY TRANSITIONS AFTER INSTALLING ASPHALT OVERLAY.
2. REPAIR CRACKS IN BULKHEAD WALLS AND BULKHEAD WALL CAPS. REPAIR CRACKS IN NE, SW, AND SE CORNERS OF CONCRETE SLOPE PROTECTION.
3. INSTALL NON-STRUCTURAL PILE JACKETS. RE-USE FLOATING TURBIDITY BARRIER FOR EACH APPLICABLE BENT.
4. MILL 3.75" AVERAGE ASPHALT OVERLAY ON BRIDGE AND APPROACH SLABS BETWEEN GUTTERLINES. MILL 2" ASPHALT FOR 20 FT. OF APPROACH ROADWAY, EACH SIDE. INSTALL WATERPROOF MEMBRANE ON BRIDGE PRIOR TO PLACING NEW ASPHALT. INSTALL 2" (MIN. AT GUTTERLINES) ASPHALT OVERLAY OVER BRIDGE, APPROACH SLABS, AND APPROACH ROADWAYS. MATCH EXISTING CROSS SLOPE. TAPER ASPHALT THICKNESS TO TIE INTO EXISTING APPROACH ROADWAY ELEVATION. TAKE CARE TO PROVIDE A SMOOTH ROADWAY TRANSITION. DO NOT BLOCK SCUPPERS.
5. STRIPE APPROACH SLABS AND BRIDGE DECK. RE-STRIPE APPROACH ROADWAYS 50FT. BEYOND LIMITS OF APPROACH SLAB.
6. RE-SET OBJECT MARKERS.
7. RE-INSTALL APPROACH GUARDRAIL TRANSITION SHOE FOR PROPER LAP IN NE AND SW BRIDGE CORNERS. INSTALL MISSING LOCK NUT AT NE APPROACH GUARDRAIL TERMINAL END ANCHOR BAR. REPLACE REFLECTIVE TAPE AT NW AND NE APPROACH GUARDRAIL END TERMINALS. REPLACE SPLIT TIMBER CUSHION BLOCKS AT NW AND NE APPROACH GUARDRAIL POSTS. REPLACE ALL WORN AND WEATHERED GUARDRAIL CUSHION BLOCKS. REPLACE MISSING REFLECTORS ON BOTH BARRIERS. EXTEND ALL ENDS OF THE BULLET PEDESTRIAN RAILING WITH A TURN DOWN AT A 45 DEGREE ANGLE.
8. PLACE CONCRETE IN EXISTING UTILITY BLOCKOUTS IN EACH WINGWALL STEM. APPROXIMATE BLOCKOUT DIMENSIONS ARE 22.5" X 14" X 12".
9. TRIM OVERHANGING VEGETATION AT NW AND SE BRIDGE CORNERS OVER SLOPE PROTECTION. EXTEND CLEARING VEGETATION BY 5 FT. BEYOND SLOPE PROTECTION/WINGWALLS. REMOVE VEGETATION IN CONCRETE SLOPE PROTECTION JOINTS.
10. SEAL OPEN JOINTS IN CONCRETE SLOPE PROTECTION.
11. PLACE FLOWABLE FILL UNDER SW SLOPE PROTECTION AT END OF WEST BULKHEAD WALL. PLACE 2'-6" THICK RUBBLE RIPRAP (BANK AND SHORE) ADJACENT TO THE SW EDGE OF SLOPE PROTECTION. PLACE 1'-0" THICK BEDDING STONE AND FILTER FABRIC BELOW RUBBLE RIPRAP PER FDOT SPECIFICATIONS SECTION 530.
12. POWER WASH SIDEWALK, CURBS, AND END BENT WINGWALLS. POWER WASH AND PAINT INSIDE FACE AND TOP OF CONCRETE BARRIERS.

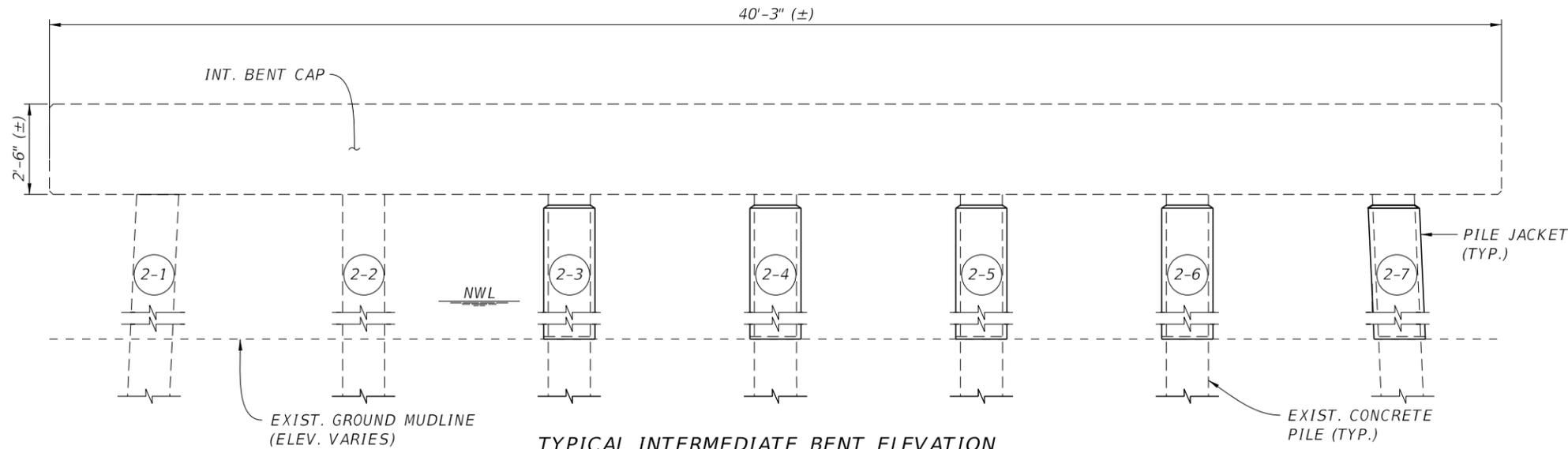
LEGEND

NE	NORTHEAST
NW	NORTHWEST
SE	SOUTHEAST
SW	SOUTHWEST
EJ	EXPANSION JOINT
E	EXPANSION BEARING
F	FIXED BEARING
(X)	REPAIR NOTE DESIGNATION

BRIDGE NO. 014070

REVISIONS						DRAWN BY: RP 09-24	CHECKED BY: DRJ 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: GENERAL PLAN AND ELEVATION	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
								N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-06

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

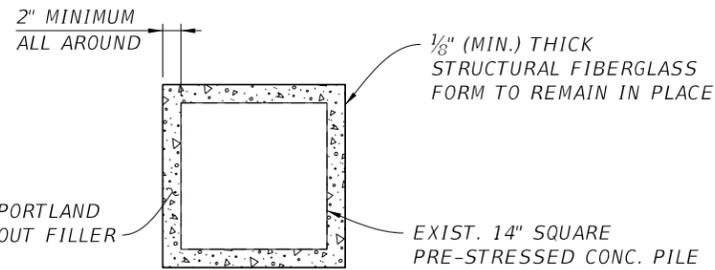


TYPICAL INTERMEDIATE BENT ELEVATION

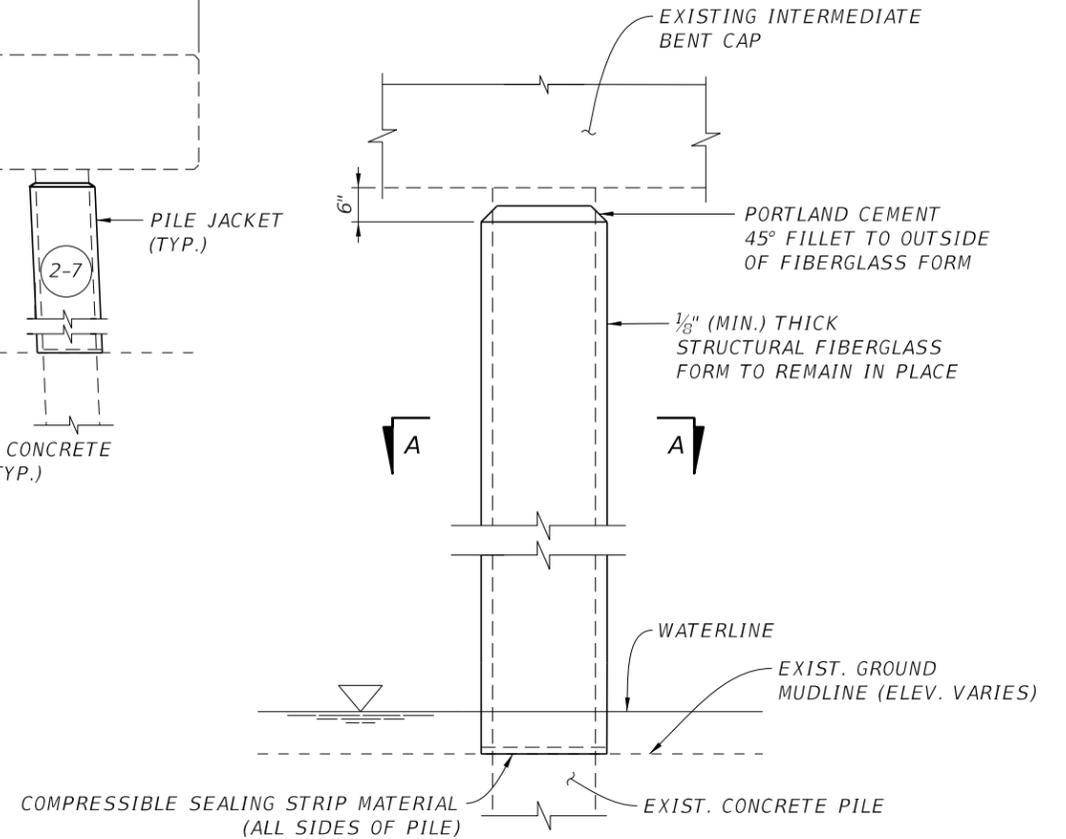
(INTERMEDIATE BENT 2 LOOKING EAST SHOWN, INT. BENT 3 & 4 SIMILAR. REFER TO TABLE ON THIS SHEET FOR PILE JACKET LOCATIONS.)

LEGEND

X-Y "X" DESIGNATES END BENT NUMBER
"Y" DESIGNATES PILE FROM NORTH TO SOUTH



SECTION A-A



PILE JACKET DETAIL

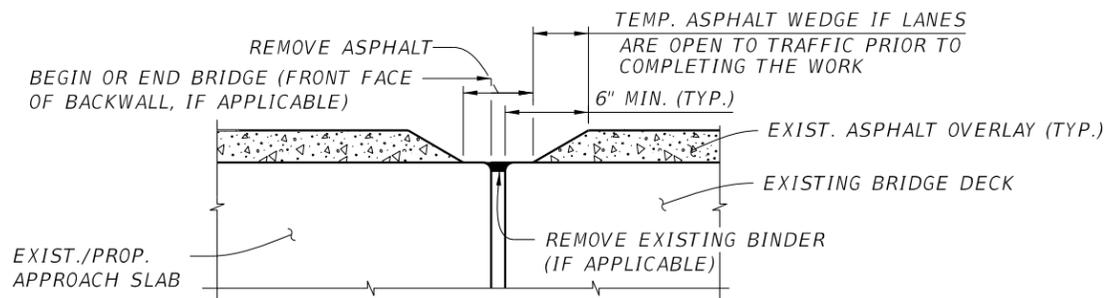
NON-STRUCTURAL PILE JACKET REPAIR TABLE				
BENT NO.	PILE(S)	PILE SIZE	PILE LENGTH	TOTAL LENGTH
			(FT.)	(FT.)
INT. BENT 2	3, 4, 5, 6, 7	14" SQ. PPC	9.80	49.0
INT. BENT 3	1, 2, 6, 7	14" SQ. PPC	16.35	65.4
INT. BENT 4	2, 7	14" SQ. PPC	16.60	33.2
			TOTAL	148.0

NOTES

- 14 INCH SQUARE PILES NOTED IN THE PLANS ARE TO BE JACKETED. FIELD VERIFY DIMENSIONS. ACTUAL PILE SIZE MAY BE IRREGULAR. SHOP DRAWINGS TO INDICATE METHOD OF MAINTAINING ANNULAR VOID, SEALING OF THE SEAMS OF THE FIBERGLASS FORMS AND FOR SEATING THE BOTTOM OF THE FORM TO THE PILE. METHODS TO BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATION.
- DEWATER JACKETS BEFORE PLACEMENT OF THE GROUT FILLER.
- CLEAN EXISTING PILES OF LOOSE CONCRETE, DEBRIS, AND MARINE GROWTH PRIOR TO JACKET INSTALLATION ACCORDING TO MANUFACTURER RECOMMENDATIONS.

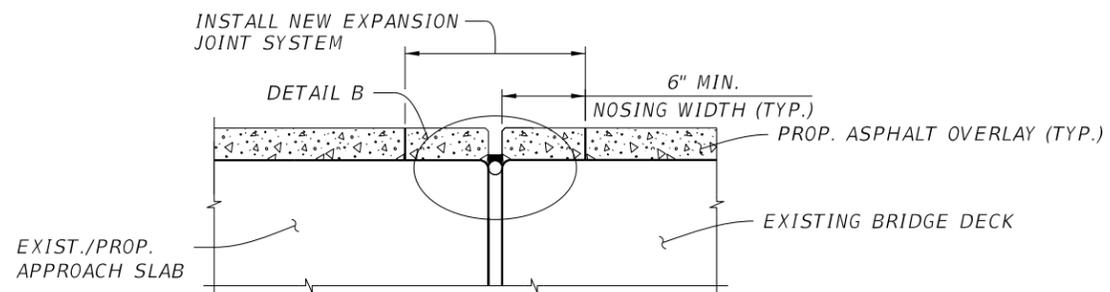
BRIDGE NO. 014070

REVISIONS						DRAWN BY: RP 09-24 CHECKED BY: DRJ 09-24 DESIGNED BY: RP 09-24 CHECKED BY: DRJ 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: PILE JACKET DETAILS		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.	
						N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-07		



STEP 1

- REMOVE ASPHALT OVER THE JOINTS. REMOVE THE MINIMUM WIDTH SHOWN OR AS REQUIRED TO MEET THE MANUFACTURER'S RECOMMENDATIONS.
- REMOVE EXISTING BINDER (IF APPLICABLE).

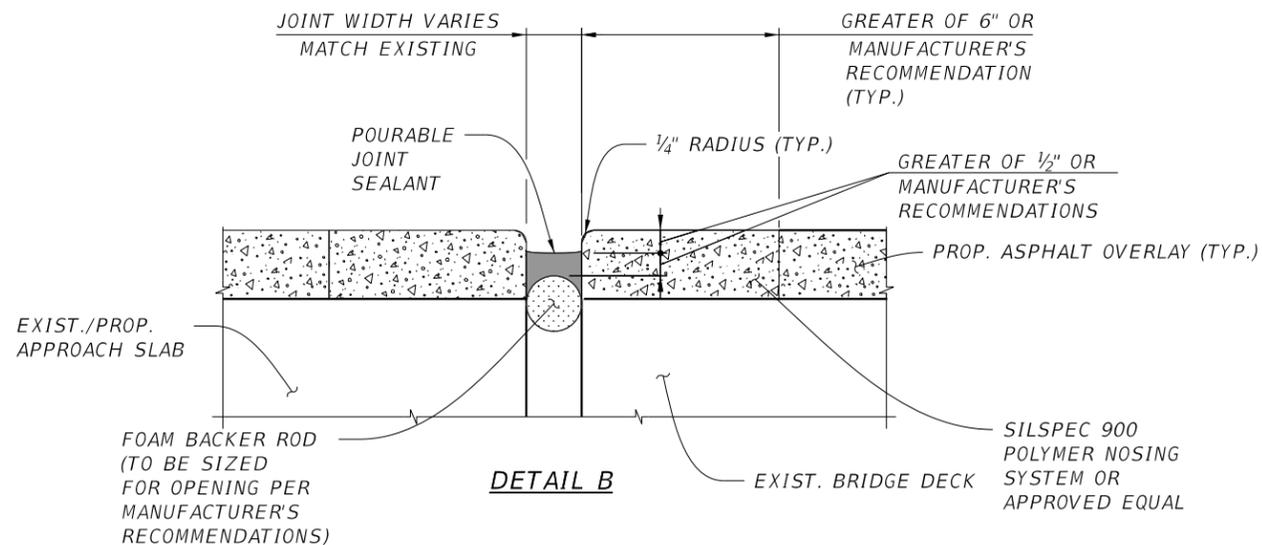


STEP 2

- THOROUGHLY PREPARE DECK SURFACE TO RECEIVE NOSING MATERIAL BY SAND BLASTING TO CLEAN GRAY CONCRETE AND THEN SCARIFYING TO A MINIMUM 1/4\"/>

DETAIL A

(END BENTS SHOWN, INTERMEDIATE BENTS ARE SIMILAR)



TYPICAL SECTIONS THRU EXISTING JOINTS WITH ASPHALT OVERLAY

(END BENTS SHOWN, INTERMEDIATE BENTS ARE SIMILAR)

EXPANSION JOINT REPAIR NOTES

1. THOROUGHLY CLEAN JOINTS PRIOR TO THE INSTALLATION OF THE JOINT SEAL PER MANUFACTURER'S RECOMMENDATIONS.
2. EXPANSION JOINT SHALL EXTEND CONTINUOUSLY FROM FRONT FACE OF BARRIER TO FRONT FACE OF BARRIER PER INDEX 458-110.
3. SHOP DRAWINGS: SUBMIT DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE DRAWINGS SHALL INCLUDE COMPLETE FABRICATION AND INSTALLATION DETAILS FOR EACH JOINT LOCATION.
4. INSTALLATION: THE JOINT SYSTEM INSTALLER SHALL BE LICENSED BY THE MANUFACTURER. SUBMIT A COPY OF THE LICENSING CONTRACT TO THE ENGINEER FOR APPROVAL. INSTALL THE JOINT SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INSPECT CONCRETE/POLYMER NOSING FOR CRACKS, SPALLS, UNSOUND MATERIAL, ETC., AND PROPERLY REPAIR AS NEEDED ACCORDING TO MANUFACTURER'S RECOMMENDATION PRIOR TO INSTALLING THE EXPANSION JOINT.
5. AVOID DAMAGING REINFORCING STEEL. IF EXISTING REINFORCING STEEL IS EXPOSED, ANY RUST SHALL BE REMOVED PRIOR TO REPLACING THE NOSING.
6. FOR JOINTS WITH NOSING DEFICIENCY, IF UNSOUND MATERIAL IS ENCOUNTERED MORE THAN 3\"/>

BRIDGE NO. 014070

REVISIONS						DRAWN BY: CAH 09-24	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: MISCELLANEOUS REPAIR DETAILS (1 OF 2)	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						CHECKED BY: DRJ 09-24	N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-08
						DESIGNED BY: DRJ 09-24					
						CHECKED BY: CAH 09-24					

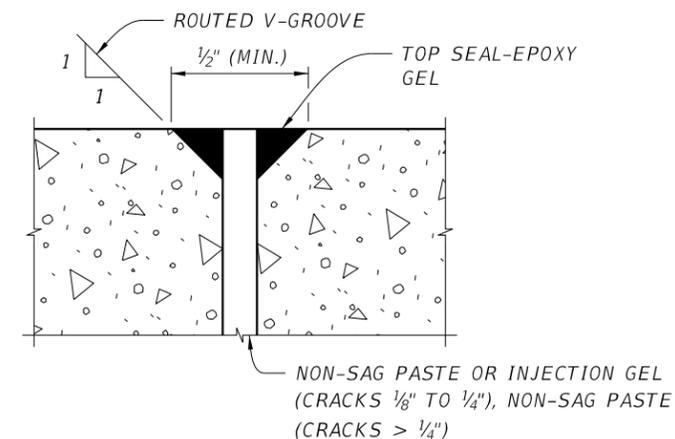
FLOWABLE FILL REPAIR PROCEDURE

1. PLACE FLOWABLE FILL AT LOCATIONS LISTED IN FLOWABLE FILL REPAIR TABLE AND AS INDICATED WITHIN THE PLAN AND ELEVATION SHEET.
2. PREPARE, APPLY AND CURE APPROVED FLOWABLE FILL MATERIAL IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 121 AND AS GUIDED BY MANUFACTURER RECOMMENDATIONS.
3. REFER TO SECTION 121 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FLOWABLE FILL REPAIR TABLE						
LOCATION	DESCRIPTION	NO.	DIMENSIONS PER INSPECTION			VOLUME (CY)
			HEIGHT	WIDTH	DEPTH	
			(IN.)	(IN.)	(IN.)	
SOUTH END OF WEST BULKHEAD WALL	UNDERMINING OF SOUTHWEST SLOPE PROTECTION AND TOE	1	58	25	42	2.0

NOTES:

1. MINIMUM REPAIR DEPTH ESTIMATED FOR QUANTITY PURPOSES.
2. TOTAL REPAIR QUANTITY ASSUMES 50% PERCENT ADDITIONAL MATERIAL TO ACCOUNT FOR UNKNOWN DEFICIENCY EXTENTS.



TYPICAL CRACK REPAIR DETAIL

TYPICAL CRACK REPAIR NOTES

1. REMOVE UNSOUND CONCRETE FROM AREAS TO BE REPAIRED.
2. FOR CRACKS GREATER THAN 1/4", USE NON-SAG GROUT PASTE WITH 28-DAY COMPRESSIVE STRENGTH OF 10,000 PSI.
3. FOR CRACKS LESS OR EQUAL TO 1/4", USE EPOXY INJECTION (AVANTI AV-502 OR EQUAL) OR NON-SAG GROUT PASTE WITH 28-DAY COMPRESSIVE STRENGTH OF 10,000 PSI.
4. DIRECTIONS FOR CRACK INJECTIONS ARE COVERED BY THE MANUFACTURER RECOMMENDATIONS AND FDOT STANDARD SPECIFICATIONS SECTION 411.
5. ROUTE A V-GROOVE NOTCH TO NON-SAG GROUT PASTE AFTER SET AND APPLY TOP SEAL OF EPOXY INJECTION GEL (AVANTI AV-522 OR EQUAL).

BRIDGE NO. 014070

REVISIONS						DRAWN BY: CAH 09-24	CHECKED BY: DRJ 09-24	DESIGNED BY: DRJ 09-24	CHECKED BY: CAH 09-24	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION										
						LEO E. RODRIGUEZ, P.E. P.E. NO.: 78493 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647			N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	MISCELLANEOUS REPAIR DETAILS (2 OF 2)	B1-09	

GENERAL NOTES

1. THE REGULATORY SPEED LIMIT FOR THE PROJECT ROADWAYS SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED IN THE PLANS:

SAN DOMINGO BLVD 45 MPH
 INGRAHAM BLVD 45 MPH
 CALUMET BLVD 40 MPH
 GASPARILLA RD 50 MPH

2. THE EXISTING BRIDGE SHALL REMAIN OPEN TO MARINE TRAFFIC AT ALL TIMES DURING REPAIRS. THE BRIDGE MAY BE CLOSED TO VEHICULAR TRAFFIC DURING CONSTRUCTION OPERATIONS.

3. NOTIFY LOCAL EMERGENCY AND RESCUE AGENCIES IN THE PROJECT VICINITY, INCLUDING BUT NOT LIMITED TO THE AGENCIES LISTED BELOW, AS WELL AS THE ENGINEER, 14 DAYS BEFORE ANY COUNTY-APPROVED LANE CLOSURES RESTRICTIONS. NOTIFY AGAIN 24 HOURS BEFORE EACH SERIES OF LANE CLOSURES. REOPEN ALL LANES TO NORMAL TRAFFIC WITHIN 12 HOURS OF AN EVACUATION NOTICE FOR A HURRICANE OR ANY OTHER EMERGENCY EVENT AND KEEP THEM OPEN FOR THE DURATION OF THE EVENT AS DIRECTED BY THE ENGINEER.

CHARLOTTE COUNTY FIRE DEPARTMENT 4 - (941) 624-2465
 CHARLOTTE COUNTY SHERIFF'S OFFICE - (941) 475-9005
 ENGLEWOOD AREA FIRE CONTROL DISTRICT - STATION 75 - (941) 474-3311

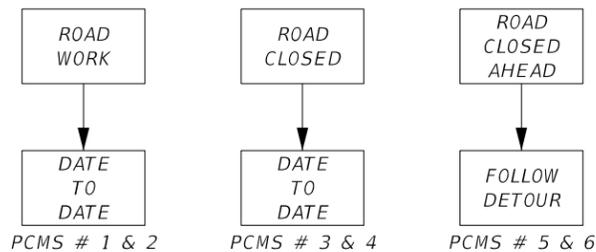
4. NOTIFY ADJACENT PROPERTY OWNERS 7 DAYS IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH SHALL RESTRICT ACCESS DELIVERY, ETC. TO PRIVATE OR COMMERCIAL PROPERTIES.

5. PERSONNEL WORKING ON THE MAINTENANCE OF TRAFFIC MUST HAVE THE RESPECTIVE APPLICABLE FDOT MOT QUALIFICATION OF ADVANCED, INTERMEDIATE AND FLAGGER BASED ON THEIR TEMPORARY TRAFFIC CONTROL DUTIES.

6. RESTORE ANY PAVEMENT THAT CONSTRUCTION OR MOT OPERATIONS DAMAGE TO ITS ORIGINAL CONDITION (PRIOR TO CONSTRUCTION), AS DETERMINED BY THE ENGINEER. ALL COSTS SHALL BE INCLUDED IN PAY ITEM 102-1 "MAINTENANCE OF TRAFFIC" (LS).

7. FOR TEMPORARY CONSTRUCTION SIGNS LOCATED IN PAVED AREAS, PROVIDE TEMPORARY SIGN SUPPORT WHICH DOES NOT PENETRATE PAVEMENT.

8. PLACE PORTABLE CHANGEABLE MESSAGE SIGNS AS SHOWN BELOW.



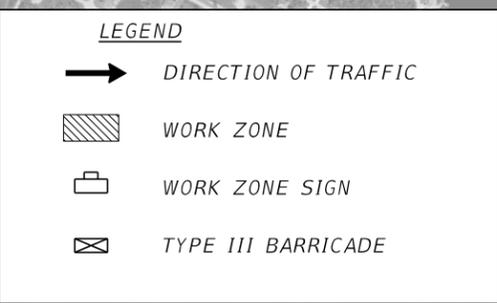
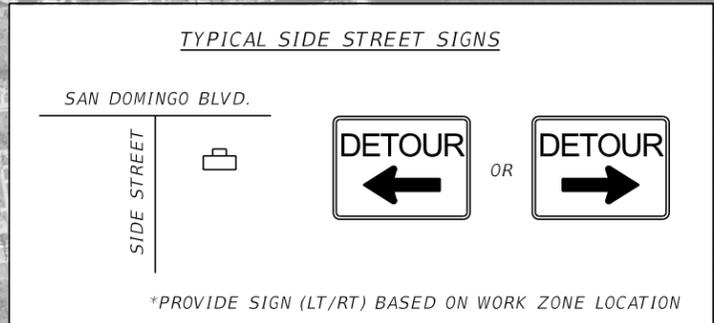
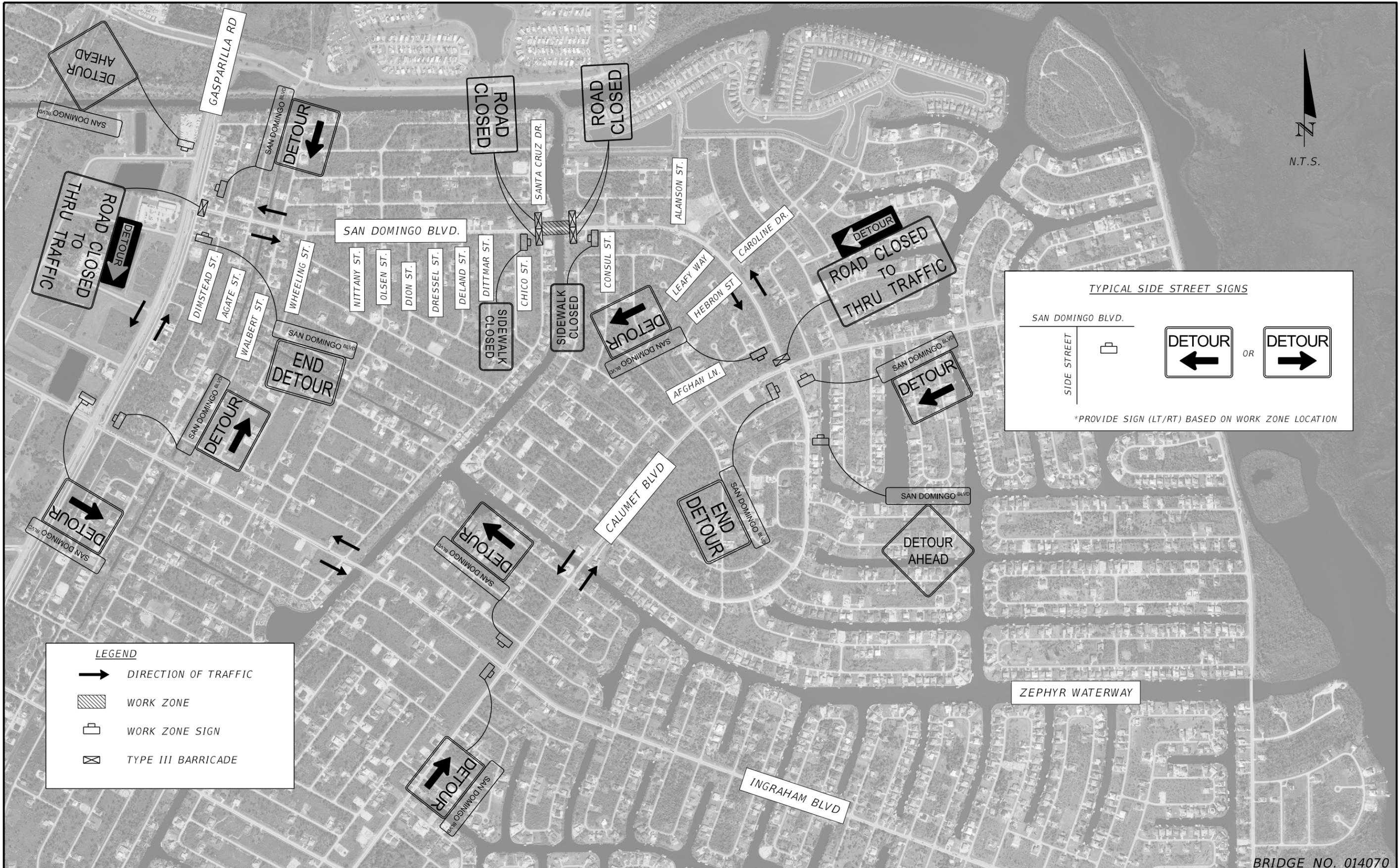
NOTES:

PCMS # 1 & 2 - TO BE USED 7 DAYS PRIOR TO CONSTRUCTION
 PCMS # 3 & 4 - TO BE USED 7 DAYS PRIOR TO ANY ROAD CLOSURES.
 PCMS # 5 & 6 - TO BE USED DURING DETOUR PERIODS.

9. UTILIZE STANDARD PLAN INDEX 102-600, 102-601, 102-603, AND 102-660 AND FOLLOW THE DETOUR SHEETS TO CONST. PROPOSED IMPROVEMENTS.

BRIDGE NO. 014070

REVISIONS						DRAWN BY: JG	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: CONCEPTUAL TEMPORARY TRAFFIC CONTROL PLAN - GENERAL NOTES		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.	
						CHECKED BY: PP	N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-10	
						DESIGNED BY: JG						
						CHECKED BY: PP						
						PAVAN K. PAIAVULA, P.E. P.E. NO.: 73589 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647						



REVISIONS						PAVAN K. PAIAVULA, P.E. P.E. NO.: 73589 DRMP, INC. 15310 AMBERLY DRIVE, SUITE 310 TAMPA, FL 33647	DRAWN BY: JG CHECKED BY: PP DESIGNED BY: JG CHECKED BY: PP	CHARLOTTE COUNTY PUBLIC WORKS			SHEET TITLE: CONCEPTUAL TEMPORARY TRAFFIC CONTROL PLAN - DETOUR PLAN	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	ROAD NO.			COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		
						N/A	CHARLOTTE	24-200	SAN DOMINGO BLVD. OVER SANTA CRUZ WATERWAY	B1-11		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

BRIDGE NO. 014070