

CONSTRUCTION PLANS SOUTH COLLIER BOULEVARD STORMWATER IMPROVEMENTS

SHEET	DESCRIPTION	
1	COVER SHEET	
2	GENERAL NOTES	
3	SUMMARY OF PAY ITEMS & QUANTITIES	
4 - 9 PROJECT LAYOUT		
10 - 15	PLAN VIEW	
16	TYPICAL SECTIONS	
17	CROSS-SECTIONS	
18	SWPPP NOTES	
19 - 24	TEMPORARY EROSION CONTROL PLAN	
25	SWPPP DETAILS	
26 - 27	MOT DETAILS	

CITY OF MARCO ISLAND PUBLIC WORKS DEPARTMENT



END CONSTRUCTION

- PROJECT AREA

GOVERNING STANDARDS AND SPECIFICATIONS : FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FOR DESIGN, CONSTRUCTION,

MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, 2024. AND STANDARD SPECIFICATIONS FOR ROAD AND PRIDGE CONSTRUCTION MOST PECENT

BRIDGE CONSTRUCTION, MOST RECENT, AS AMENDED BY CONTRACT DOCUMENTS.

CITY COUNCIL JARED GRIFONI CHAIRMAN BECKY IRWIN COUNCILOR DARRIN PALUMBO COUNCILOR GREG FOLLEY COUNCILOR JOE ROLA COUNCILOR RICH BLONNA COUNCILOR ERIK BRECHNITZ VICE CHAIRMAN JUSTIN MARTIN PUBLIC WORKS DIRECTOR

BEGIN CONSTRUCTION STA 0+00

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE CITY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE CITY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

NOTE

CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(I) OF THE FLORIDA STATUTES. DATF-

ENGINEER:

NICK HARTSHORN



- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENTS OF THE PROJECT SPECIFICATION. 2024 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO.
- 2. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE PROJECT MANAGER IF ADDITIONAL INFORMATION IS AVAILABLE. TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OR HER OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
- 3. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVALS OF DISPOSAL SITES SHALL BE OBTAINED FROM THE CITY PRIOR TO DISPOSAL. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER
- 5. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OR HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION, PRIOR TO ORDERING DRAINAGE STRUCTURES. THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE PROJECT MANAGER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
- 6. PRIOR TO COMMENCEMENT OF WORK CONTRACTOR SHALL CALL SUNSHINE 811 48 HOURS IN ADVANCE OF PERFORMING ANY UTILITY ADJUSTMENTS OR RELOCATIONS. SUNSHINE ONE PHONE NUMBER IS 1-800-432-4770.
- 7. UTILITIES ARE TO BE ADJUSTED BY OTHERS OR AS DIRECTED BY THE PROJECT MANAGER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COORDINATION
- 8. THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES
- 9. INSTALLATION OR RELOCATION OF ANY UTILITY, INCLUDING STORM SEWER, SHALL MAINTAIN PROPER UTILITY SEPARATIONS PER FDEP 62-555.314, LOCATION OF PUBLIC WATER SYSTEM MAINS.
- 10. TOTAL COST OF ALL DRAINAGE PIPE INSTALLATION TO BE INCLUDED IN CONTRACTOR'S BID.
- 11. DESIGN CHANGES OF PIPE INVERTS NOT EXCEEDING PLUS OR MINUS ONE FOOT WILL NOT BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION OR FOR MODIFICATION OF PRECAST STRUCTURES.
- 12. ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX
- 13. ANY U.S.C. AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND SHALL NOTIFY: STATE GEODETIC ADVISOR: 3900 COMMONWEALTH BOULEVARD, SUITE 309, TALLAHASSEE, FL, PHONE 850-245-2606
- 14. PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DISTURBED. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND THE CITY, WITHOUT DELAY, THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48 HOURS OF TELEPHONE NOTIFICATION.
- 15. THE CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNS AS REQUIRED DURING CONSTRUCTION. SIGNS, WHICH ARE DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY. THE CONTRACTOR SHALL REMOVE AND STORE EXISTING TRAFFIC SIGNS THAT ARE NOT USED DURING CONSTRUCTION. THE CONTRACTOR SHALL RE-INSTALL THE STORED SIGNS AS DIRECTED BY THE PROJECT MANAGER. SIGNS NOT TO BE RE-INSTALLED SHALL BE DELIVERED TO THE CITY. DAMAGED SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY. COST OF RELOCATION, MAINTENANCE, REMOVAL AND LEFTOVER SHALL BE INCLUDED IN THE UNIT PRICES STATED ON THE SUMMARY OF PAY ITEMS.
- 16. CONTRACTOR SHALL PROVIDE A SIGNED AND SEALED MOT PLAN TO THE CITY 2 WEEKS PRIOR TO MOBILIZATION FOR REVIEW AND APPROVAL. ALL CITY COMMENTS SHALL BE INCORPORATED INTO THE PLAN.
- 17. ALL EXCAVATIONS SHALL BE REQUIRED TO CONFORM TO THE PROVISION OF PART IV OF CHAPTER 553.60, F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT" TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS, AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.
- 18. CONTRACTOR TO MAINTAIN CONTINUOUS ACCESS DURING CONSTRUCTION. CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTED CONSTRUCTION
- 19. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 20. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE AND MAINTENANCE OF ALL EXISTING RUNOFF DISCHARGES DURING CONSTRUCTION TO AVOID THE TRANSPORT OF SEDIMENT AND ERODIBLE SOILS UNTIL THE WORK HAS BEEN ACCEPTED BY THE CITY.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING THE ACCESSIBILITY OF THE SITE FOR CONSTRUCTION ACTIVITIES
- 22. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND RESTORE COMPACTED SOILS AND ANY GRADES INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED DURING CONSTRUCTION.

- 23. IF THERE IS CONTRADICTING INFORMATION BETWEEN PLANS AND SPECIFICATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST CLARIFICATION FROM THE ENGINEER.
- 24. ALL FEATURES TO REMAIN UNLESS OTHERWISE NOTED.
- 25. THE CONTRACTOR SHALL PERFORM AN AS-BUILT SURVEY. THE AS-BUILT SURVEY SHALL CONFORM TO ALL CITY REQUIREMENTS.

Ŷ.				
₹	REVISIONS			SOUTH COLLIER BOULEVARD
5	DATE	BY	DESCRIPTION	
5				STORM/M/ATER
₹				STORWINATER
¥				
ż				
			•	



- 26. ALL WORK WITHIN CITY OWNED OR MAINTAINED FACILITIES, RIGHT-OF-WAY, OR EASEMENT WILL REQUIRE AS-BUILT PLANS, AS-BUILT PLANS SHALL SHOW THE CONSTRUCTED CONDITIONS OF THE CITY OWNED OR MAINTAINED AREA AND BE PERFORMED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER
- 27. THE CONTRACTOR SHALL PROVIDE THE CITY WITH AN AS-BUILT SURVEY THAT SHALL BE SUBMITTED ON PAPER COPY AND ELECTRONICALLY (.PDF AND AUTODESK CAD .DWG) AND BE IN ACCORDANCE WITH ALL CITY REQUIREMENTS.
- 28. THE CONTRACTOR SHALL REPAIR ANY IRRIGATION THAT IS DAMAGED AS A RESULT OF THE IMPROVEMENTS OUTLINED IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL FIELD TEST AND CONFIRM THAT ALL IRRIGATION LINES ARE IN WORKING CONDITION PRIOR TO THE END OF CONSTRUCTION ACTIVITIES
- 29. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY PROVIDERS PRIOR TO THE START OF CONSTRUCTION TO CONFIRM ANY POTENTIAL UTILITY CONFLICTS. UTILITY RELOCATES / ADJUSTMENTS ARE TO BE PERFORMED BY OTHERS.
- 30. OTHER NON-UTILITY RELATED MINOR INCIDENTAL ADJUSTMENTS SHALL BE PERFORMED BY THE CONTRACTOR.
- 31. EXISTING SIGNAGE WITHIN THE PROJECT LIMITS SHALL BE IDENTIFIED AND PROTECTED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
- 32. ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL BE SODDED.
- 33. PROJECT REFERENCE DOCUMENTS:
- A.) TOPOGRAPHIC SURVEY DATED AUGUST 2024, BY SURVTECH SOLUTIONS, INC. B.) ECOLOGICAL SITE ASSESSMENT REPORT DATED MAY 2024 PREPARED BY ISLAND ENVIRONMENTAL & MARINE SERVICES, LLC.



CENERAL NOTES	SHEET NO.
GENERAL NUTES	2

SUMMARY OF PAY ITEMS					
Pay Item No.DescriptionUnitsQu					
101-1	Mobilization	LS	1		
102-1	Maintenance of Traffic	LS	1		
104-1 Prevention, Control and Abatement of Erosion and Water Pollution		LS	1		
110-1-1	Clearing and Grubbing	LS	1		
570-1-2	Sodding	SY	5800		
900-1	8" HDPE Underdrain	LF	825		
900-2	12" HDPE Underdrain	LF	2525		
900-3	Misc. Utility Coordination	LS	1		

PAY ITEM FOOTNOTES:

- 1. PAY ITEMS 900-1 AND 900-2 ARE THE TOTAL COSTS FOR THE CONTRACTOR TO INSTALL UNDERDRAINS AS OUTLINED IN THE CONTRACT DOCUMENTS. INCLUDES COST FOR PERFORATED HDPE PIPE, #57 STONE, FILTER FABRIC, AND ANY INCIDENTAL SITE RESTORATION TO RESTORE CONDITIONS TO MATCH EXISTING.
- 2. PAY ITEM 900-3 IS THE TOTAL COST FOR THE CONTRACTOR TO COORDINATE WITH SPECIFIC UTILITY PROVIDERS DUE TO POTENTIAL UTILITY CONFLICTS THAT WERE IDENTIFIED. CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER AND DETERMINE IF UTILITY ADJUSTMENTS AND/OR RELOCATES ARE NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS AS OUTLINED IN THE CONTRACT DOCUMENTS. ANY UTILITY ADJUSTMENTS AND/OR RELOCATES SHALL BE COORDINATED WITH THE UTILITY PROVIDER AND PERFORMED BY OTHERS.

7 April 2025 - 2
P0030 DWG (
DICADIDESIGNIFW10558
COLLER BLV
ISLANDIPW10668
P:PROJECTSWARCO

55 PM) NHartshorr

		REVISIONS	S
DATE	BY	DESCRIPTION	U





SUMMARY OF PAY **ITEMS AND QUANTITIES**

SHEET NO.

3



SPROJECTSWARCO_ISLANDFW10668_COLLIER_BLVDICADDESKINFW10668_P0040,DWG (7 Apri 2025-253 PM) NHartshor



P: PROJECTSWARCO_ISI_ANDIPW10558_COLLIER_BLVDICADDESIGNPW10558_P0040.DWG (7 Apri 2025-255 PM)







33 C ISLANDFW10558_COLLIER_BLVD/CAD/DESIGNFW10558_P0040.DWG Q Š





P0040 DWG **GNPW10568** BLVDICADID $\overline{\mathcal{O}}$ С R



COLLIER_BLVDICADIDESIGNIEW10558_P0050.DWG (7 April 2025-SLANDIFW10668 С F



"PROJECTSWARCO_ISLANDFW10558_COLLIER_BLVDICADIDESIGNFW10558_P0050.DWG (7 Apri 2025-254 PM)

ź



NFW10558 Ć COLLER BLVD(CAD) SLANDIFW10568 Q Ŕ

	80'
TECT ALL EXISTING UTILITIES DURING CONSTRUCTION ITY RELOCATIONS SHALL BE COORDINATED WITH THE R CONTACT INFORMATION IS GIVEN ON SHEET 1.	I UNLESS E UTILITY
PLAN VIEW (3)	SHEET NO. 12



ž Ē P0050.DWG COLLIER_BLVD/CAD/DES/GNFW10558_ SLANDIFW10558



XIPROJECTSMARCO_ISLANDFW10558_COLLIER_BLVDICADIDESIGNFW10558_P0050.DWG (7 Apri 2025 - 253 P



P0050 DWG 800 ESIGNFW1 BLVDCADDI COLLER F

ISLANDFW10558_COLLIER_BLVDICADDESIGNFW10558_P0060.DWG (7 April 2025-2:54 PM) NHartshom g M

The following narrative is the Stormwater Prevention Plan and contains references to the FDOT Standards Specifications for Road and Bridge Construction, the FDOT Design Standards (latest edition), and other sheets of these construction plans. The complete Stormwater Pollution Prevention plan includes several items

- this narrative description
- the documents referenced in this narrative.
- the Contractor's approved Erosion Control Plan required by Section 104 of the FDOT Standard Specifications for Road and Bridge Construction (latest edition) herein after referred to as the 'Section 104 Erosion Control Plan', and

reports of inspection made during construction.

1.0 SITE DESCRIPTION

1 a Nature of Construction Activity

The project area is located along South Collier Boulevard and North Collier Court in Marco Island, Florida. The proposed mprovements include retrofitting the existing roadside swales with underground exfiltration pipes.

1.b Sequence of Major Soil Disturbing Activities:

In the Section 104 Erosion Control Plan, the Contractor shall provide a detailed sequence of construction activities. The Contractor shall follow the sequence provided below, unless an alternative sequence proposed by the Contractor is approved by the City and the Engineer of Record.

Construction Sequencing:

- 1. Contractor shall be responsible for a staging area to store equipment, supplies, and materials, provide employee parking, etc. for the duration of construction or as approved by the City. Contractor is responsible for adjusting erosion control measures as needed to accommodate the staging area
- 2. Install floating turbidity barriers consistent with the Sediment and Erosion Control Plan.
- 3. Contractor shall clear and grub and demolish any existing structures to be removed and hauled overland for proper disposal. Prepare the work zone for the proposed improvement
- 4. Contractor shall dewater as necessary to perform the excavation. If necessary, Contractor shall provide treatment of dewatering effluent prior to discharge to ensure dewatering effluent meets any Federal, State, and local regulations.
- 5. The contractor shall cover any unprotected soils with a 6-mil layer of visqueen (or similar erosion protection device).
- 6. Upon the completion and full stabilization of the project area, remove the floating turbidity barriers.
- Throughout construction, the contractor shall observe local weather forecasts for any predicted large rainstorm events. 7. To the extent practical, the contractor shall proactively demobilize the construction site with the proposed temporary erosion control measures outlined herein

1.c Area Estimates:

Total project contributing area: N/A.

Total area to be disturbed: 0.14 ac

1.d Runoff Data: N/A

1.e Soils Data:

Per NRCS Web Soil Survey, soils in the project area are primarily St. Augustine, organic substratum - Urban land complex

1.f Outfall Information Description

Runoff flows along the existing roadside swales and is ultimately discharged to the Gulf of Mexico.

1.g Site Map:

卤

-Ta

<

2:55 PN

ß

WHWD

<u>P</u>

ADA

ಶ

ARCO

R

The site maps consist of the construction plans. The location of the required information is described below. The sheet numbers for the plan sheets referenced are identified on the Key Sheet.

- Drainage Patterns The proposed flow directions are shown on the plan and profile sheets
- Approximate Slopes The slopes of the Site can be seen in the Site Plan & Project Layout sheet.
- Areas of Soil Disturbance The areas to be disturbed are indicated on the Sediment and Erosion Control Plar
- Locations of Temporary Controls The temporary erosion control measures are depicted in the Sediment and Erosion Control Plan. The Sediment and Erosion Control Plan depicts the erosion control protection devices required when the Contractor first mobilizes. Additional temporary controls shall be implemented as necessary during interim construction periods, or where the proposed controls do not adequately protect off-site regions from experiencing sediment releases from on-site areas
- Locations of Permanent Controls The permanent erosion control measures include stabilization of pervious areas.
- Areas To Be Stabilized Temporary stabilization practices are shown in the Contractor's Erosion Control Plan. Permanent stabilization consists of stabilizing disturbed areas.
- Surface Waters The project drainage system discharges stormwater to the Gulf of Mexico.

2.0 CONTROLS:

2.a Erosion And Sediment Controls:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed stabilization and structural practices based on the Contractor's proposed Traffic Control Plan. The following recommended guidelines are based on the Traffic Control Plan (TCP) outlined in the construction plans. The Contractor may elect to accept the following guidelines or modify them in the Section 104 Erosion Control Plan, subject to approval of the City Engineer. As work progresses, the Contractor may need to modify the plan to adapt to seasonal variation, and changes in construction activities

2.a.1 Stabilization Practices

In the Section 104 Erosion Control Plan, the Contractor shall describe the stabilization practices proposed to control erosion. The Contractor shall initiate all stabilization measures as soon as practical, but in no case more than 7 days, in portions of the site where construction activities have temporarily or permanently ceased. The stabilization practices shall include at least the following, unless otherwise approved by the City Engineer

Temporary:

Artificial coverings in accordance with Specification Section 104

•	Bypass pumpin	g and dewatering.
---	---------------	-------------------

6-mil Visqueen layer (or equivalent) to protect exposed soils

Permanent

N/A

2.a.2 Structural Practices:

In Section 104 Erosion Control Plan, the Contractor shall describe the proposed structural practices to prevent the discharge of sediments from exposed areas of the site. Sediment controls shall be in place before disturbing soil upstream of the control. The structural practices shall include at least the following unless otherwise approved by the City.

Temporary

• Inlet protection devices in accordance with Index 102 and Specification Section 104 and replaced as needed to maintain water passage

Permanent

N/A

2.b Stormwater Management:

Stormwater runoff patterns will be similar to existing conditions

2.c Other Controls:

2.c.1 Waste Disposal

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods to prevent the discharge of solid materials, including building materials, to waters of the United States. The proposed methods shall include at least the following

- Providing litter control and collection within the project during construction activities. Disposing of all fertilizer or other chemical containers according to EPA's standard practices as detailed by the manufacture
- Disposing of solid materials including building and construction materials off the project site.

2.c.2 Off-Site Vehicle Tracking & Dust Control:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods for minimizing offsite tracking of sediments and dust. The methods shall include at least the following.

- Covering loaded haul trucks with tarpaulins.
- Removing excess dirt from roads daily.
- Using roadway sweepers during dust generating activities such as excavation and hauling operations.

2.c.3 State and Local Regulations For Waste Disposal, Sanitary Sewer, Or Septic Tank Regulations - In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed procedures to comply with applicable state and local regulations for waste disposal, and sanitary sewer or septic systems.

2.c.4 Fertilizers and Pesticides - In the Section 104 Erosion Control Plan, the Contractor shall describe the procedures for applying fertilizers and pesticides. The proposed procedures shall comply with applicable subsections of either Section 570 or 577 of the Specifications

2.c.5 Toxic Substances - In the Section 104 Erosion Control Plan, the Contractor shall provide a list of toxic substances that are likely to be used on the job and provide a plan addressing the generation, application, migration, storage, and disposal of these substances

2.d Approved State and Local Plans and Permits - [To be Determined upon Permit Issuance].

3.0 MAINTENANCE

In the Section 104 Erosion Control Plan, the Contractor shall provide a plan for maintaining all erosion and sediment controls throughout construction. The maintenance plan shall at a minimum, comply with the following maintenance of turbidity barrier, rock bags and synthetic bale type barriers per Section 104.

4.0 INSPECTIONS

Qualified personnel shall inspect the following items at least once every seven calendar days and within 24 hours of the end of a storm that is 0.25 inches or greater. The Contractor shall install and maintain rain gauges and record daily rainfall

- Disturbed areas of the site that have not been finally stabilized.
- Areas used for storage of materials that are exposed to precipitation.
- Structural controls
- Stormwater management systems.
- Locations where vehicles enter or exit the site.

The Contractor shall initiate repairs within 24 hours of inspections that indicate items require repairs. If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment, and prevent discharging pollutants, the Contractor shall provide additional measures, as approved by the City.

5.0 NON-STORMWATER DISCHARGES:

In the Section 104 Erosion Control Plan, the Contractor shall identify all anticipated non-stormwater discharges (except flows from firefighting activities). The Contractor shall describe the proposed measures to prevent pollution of these non-stormwater discharges such as the following.

- Dewatering The Contractor shall develop, as needed, any dewatering system that provides pretreatment of effluent prior to discharge along with meeting any Federal, State, and local dewatering permit laws, rules, and regulations
- Dust Control The Contractor shall develop in Section 104 Erosion Control Plan dust control plan and remedial action to correct any malfunctioning measure
- Equipment Washout The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control equipment washout and other erosive conditions from equipment cleaning processes, and remedial action to correct any malfunctioning measures.
- Hazardous Material Spill The Contractor shall develop in Section 104 Erosion Control Plan an effective plan to control in the event any hazardous materials should spill and remedial action to correct any malfunctioning measures. If the Contractor encounters contaminated soil or groundwater, the Contractor shall contact the City

		REVISIONS	SOUTH COLLIER BOULEVARD		0	
DATE	BY	DESCRIPTION			1 reost/mrec	V
					Geogrado	3504 LAKE LYNDA DRIVE
			STONWATEN		consultante	SUITE 155
				Ar SD	consultants	ORLANDO, FL 32817
			IMPROVEMENTS	SACO ISLA	Nick Hartshorn, PE	
				City of D	FL PE# 90308 AU	UTHORIZATION NUMBER 4321

EROSION CONTROL GENERAL NOTES

immediately

- comply with the intent of this specification

- seeding shall be 30 pounds per acre.
- 6.
- condition prior to construction
- contractor
- iurisdiction over said area

The contractor shall execute all measures necessary to limit the transport of sediments outside the limits of the project to the volume and amount that are existing prior to the commencement of construction. This condition will be satisfied for the total anticipated construction period. Provisions must be made to preserve the integrity and capacity of grading patterns and BMPs required to meet this provision throughout the life of the construction. The contractor shall provide silt barriers, turbidity barriers, rock bags, synthetic bale type barriers, temporary grassing, etc. as required to fully

2. No excavated material shall be stockpiled in such a manner as to direct runoff directly off the project site or into any adjacent water body or stormwater collection facility.

3. The surface area of open, raw erodible soil exposed by clearing and grubbing operations or excavation and filling operations shall be controlled, so that this operation will not significantly affect off-site deposit of sediments

4. Areas opened by construction operations that are not anticipated to be dressed or receive final treatment within thirty days shall be seeded with a quick growing grass species which will provide an early cover during the season in which it is planted. Temporary seeding shall be controlled so as to not alter or compete with permanent grassing. The rate of

5. The seeded or seeded and mulched area(s) shall be rolled and watered as required to assure optimum growing conditions for the establishment of a good grass cover

If after 14 days, the temporary grassed areas have not attained a minimum of 75% good grass cover, the area will be reworked and additional seed applied to establish the desired vegetation cover

7. All features of the project shall be constructed to prevent erosion and sediment and shall be maintained during the life of the construction so as to function properly without the transport of sediments outside the limits of the project

8. All disturbed areas outside the excavation and fill limits will be restored to a condition equal to or better than their

9. The contractor will be responsible for maintenance of all newly planted grasses or vegetation and retention/detention facilities until the work has been accepted by the City.

10. The contractor shall be responsible for the stability of embankments and shall replace any portion, which in the opinion of the engineer, has become displaced due to erosion of due to carelessness or negligence on the part of the

11. The contractor shall comply with all Federal, State and local laws and regulations controlling pollution of the environment. Measures shall be taken by the contractor to control erosion and sediment runoff from the site during construction. Such methods shall be in accordance with the current FDOT standards

12. Absolutely no work will be allowed within any conservation area, buffer area, mitigation area or designated wetland area, unless specifically described by the plans and granted by reason of permit from the governmental entity having

13. All fill embankment and graded areas shall be protected against erosion by methods stated in section 104, "F.D.O.T. Standard Specifications for Bridge and Road Construction." Side slopes may be seeded and mulched, provided that the mulch material is disk harrowed and the side slopes are neither greater than 4:1 nor part of a drainage

14. All excess fill material shall be hauled off-site by the Contractor.

15. Contractor shall perform inspections daily and within 24-hours after each 0.50-inch or greater rainfall event to determine the effectiveness of erosion/sediment control measures. Any necessary remedies shall be performed immediately by the Contractor.

> SHEET NO.

SWPPP NOTES

ź 2:54 PM) April 2025-Ē ISLANDFW10558_COLLIER_BLVD/CAD/DESIGNFW10558_P0080.DWG SWARCO

		80'
TEMPORARY CONTROL	' EROSION PLAN (3)	SHEET NO. 21

Š And ISLANDFW10558_COLLIER_BLVDICADIDESIGNFW10558_P0080.DWG (7. SWARCO

vori 2025 5 MO ANDRW10558_COLLIER_BLVDICADDESIGNEM \overline{c} SIMA

PROLECTSMARCO_ISLANDFW10558_COLLIER_BLVD/CADDESKENFW10558_P0080.DWG (7 Apri 2025-253.PM) NI

	DUMP STRAP 1" REBAR FOR REMOVAL FROM INLET	
DWG (7 April 2025-255 PM) NHartshom	SEDIMENT SACK	
COLLIER_BLVD/CAD/DESIGN/FW10558_P00801	STANDARD INLET SEDIMENT CONTROL DEVICE	
P:PROJECTSMARCO ISLAND/FW10568	NOTE: EROSION CONTROL DETAILS WERE OBTAINED FROM THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, JULY 2013. REVISIONS SOUTH COLLIER BOULEVARD STORMWATER IMPROVEMENTS South Collier Boulevard INPROVEMENTS	VE 55 117 321

/- DUMP STRAP

	SHEET NO.
SVIFF DETAILS	25

NOTE:

- 1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
- 2. L = Taper Length
- X = Work Zone Sign Spacing B = Buffer Length
- See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- 3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
- 4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and earess.
- 5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- 6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- 7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- 8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
- 9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

Work Area

- Channelizing Device (See Index 102–600)
- D Work Zone Sign
- Lane Identification and Direction of Traffic

