



October 30, 2024

Prospective Respondents

RE: Addendum #1 24-50 Redwood Avenue Drainage Improvement CDBG-DR Project M0015

Please accept this as Addendum No. 1 for the above referenced solicitation.

For clarification purposes, new information regarding the expected dewatering effort for the outfall structure has been depicted on Sheet C-402 and Bid Pay Item Note SPI-3 on Sheet G-102 of the revised construction plans.

The following questions have been received. The County's answers follow in **bold**.

1. Will this project require Davis Bacon Wages? **Yes, they are located in Exhibit 5 on pages 108-112.**
2. Will this project require Owner-Paid Material/Tax Savings Agreement? **No.**
3. What is the allowed contract time and liquidated damages? I do not see it in the bid documents. **See page 33 under section 2 term. This Contract shall commence upon the date of receipt of the "Notice to Proceed" and work shall be completed in 150 calendar days. Should the Contractor fail to complete the work by the specified date, the Owner shall deduct from the Contract Sum the amount of \$1,685.00 per calendar day as liquidated damages for every day subsequent to the specified date until the work is fully completed and receipted by the Engineer as being completed. For purposes of time calculation, day one of the project is the calendar day after the date of the Notice to Proceed.**
4. Regarding the insurance requirements, is Builder's Risk Coverage necessary for a drainage project? **Yes, for storing construction material at the project site Builders Risk or Installation floater coverage is required.**
5. On the 12" pipe its calling for sdr21 'pvc" We don't use PVC in our area. Can we use 12" ADS HP in lieu? **Dual walled, smooth interior HDPE is acceptable for the 12" pipe, please see attached revised Construction Plans and Addendum 1 Revised Bid Form.**
6. Does you have a specific brand or recommendation for the nutrient reduction unit? **No. Please refer to the performance specification on sheet C-501.**
7. Where does the county want the asphalt millings hauled to? **The Public Works Facility near Majette Tower Rd. The address is 4741 Fire Tower Rd, Panama City FL 32404**

8. Is it the contractor's responsibility to coordinate with FPL on the power pole relocations, if so, can you provide an FPL contact? **The County has initiated the coordination efforts for the FPL power pole relocations. The poles are anticipated to be moved prior to the start of construction.**
9. On Pg C-107 the plan view calls out the 12" to be SDR 21, on the profile it is called out as 12" RCP. Can you please clarify? **Please see the attached revised construction plans and Addendum 1 Revised Bid Form.**

All respondents shall acknowledge receipt of this addendum by signing and submitting, with their bid, the addendum acknowledgement form included in the Bid package.

Regards,

Scott Nabers

Assistant Purchasing Director
Bay County Purchasing Department
(850) 248-8270
Purchasing@baycountyfl.gov

ADDENDUM 1 REVISED BID FORM
ITB NO: 24-50

This proposal of _____, hereinafter called "BIDDER," organized and existing under the laws of the State of _____ doing business as _____ (Insert "a corporation", "a partnership" or "an individual" as applicable), is hereby submitted to the Board of County Commissioners, Bay County, hereinafter called "OWNER."

In compliance with the Advertisement for Bids, BIDDER hereby proposes to perform all work, as detailed in this bid.

By submission of this BID, each Bidder certifies, and in the case of a joint BID each party thereto certifies as to its own organization, that this BID has been arrived at independently, without consultation, communication or agreement as to any matter relating to this BID with any other BIDDER or with any other competitor.

Contractor agrees to perform the entire work as indicated on the drawings and in compliance with the Contract Documents and Specifications, complete in every detail.

The **Base Bid** is:

(Words)

(\$ _____)

Submitted By: _____
Name of Firm/Contractor Submitting This Bid

Bid Prepared By: _____
Name of Individual Who Prepared This Bid

Contact Email: _____

Address: _____

Phone: _____

Contractor's License No. _____

Contractor's Unique Entity Identifier (UEI) No. _____

Signature of Authorized Representative of Firm/Contractor

Date

SEAL: (If bid is by Corporation)

ADDENDUM 1 REVISED BID FORM (Con't)
BID NO. 24-50

Bidder agrees to perform all the work described in the Contract Documents for the following Unit Prices and Lump Sum Prices.

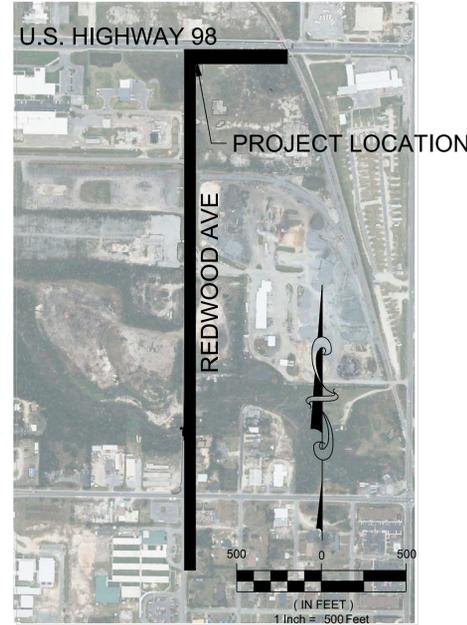
BID ITEM	DESCRIPTION	UNIT	UNIT PRICE	QTY	TOTAL PRICE
101-1	MOBILIZATION	LS	\$	1.0	\$
0110-1-1	CLEARING & GRUBBING	LS	\$	1.0	\$
0110 4 10	REMOVAL OF EXISTING PAVEMENT	SY	\$	151.0	\$
0102-1	MAINTENANCE OF TRAFFIC	LS	\$	1.0	\$
0570-1-2	PERFORMANCE TURF	SY	\$	6333.0	\$
SPI - 1	RELOCATION OF UTILITY CONFLICTS	LS	\$	1.0	\$
0104-11	FLOATING TURBIDITY BARRIER	LF	\$	25.0	\$
0104-10-3	SEDIMENT BARRIER	LF	\$	2611.0	\$
0520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	\$	26.0	\$
0327-70-1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	\$	215.0	\$
0334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, 2" THICK	TN	\$	44.5	\$
0337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, 1" THICK	TN	\$	18.5	\$
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	\$	35.0	\$
0285-706	OPTIONAL BASE, LIMEROCK, 8" THICK	SY	\$	335.0	\$
0530-3-3	RIPRAP-RUBBLE, BANK AND SHORE, 2' THICK	TN	\$	45.0	\$
0536-1-1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	\$	120.0	\$
0536-7-1	SPECIAL GUARDRAIL POST - DEEP POST FOR SLOPE BREAK CONDITION	EA	\$	14.0	\$
0536-7-2	SPECIAL GUARDRAIL POST-SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	\$	7.0	\$

430-175-148	CONCRETE PIPE CULVERT, 48-IN	LF	\$	2710.0	\$
430-175-112	PIPE CULVERT, 12-IN	LF	\$	140.0	\$
1050-18125	UTILITY PIPE, PLUG & PLACE OUT OF SERVICE, 20-49.9"	LF	\$	3.0	\$
0425-2-91	MANHOLES, J-8, <10'	EA	\$	1.0	\$
0425-2-92	MANHOLES, J-8, >10'	EA	\$	8.0	\$
SPI - 2	NUTRIENT REDUCTION UNIT	EA	\$	1.0	\$
430-548-120	STRAIGHT CONCRETE ENDWALL, INDEX 430-030, 48" PIPE	EA	\$	1.0	\$
SPI - 3	SPECIAL OUTFALL STRUCTURE	EA	\$	1.0	\$
Sum of Total Prices (Base Bid)				\$	

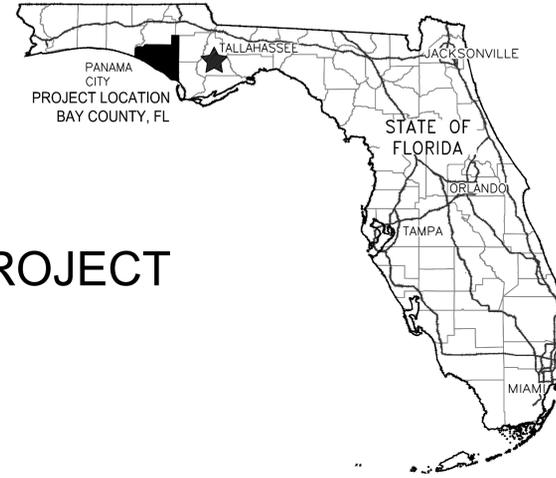
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SITE DATA

APPROXIMATELY 2,740 LF OF 48-IN RCP STORM DRAIN
ALONG EAST 15TH ST AND REDWOOD AVENUE.



BAY COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION CONTRACT PLANS DEO AGREEMENT NO.M0015 (FEDERAL FUNDS) REDWOOD AVENUE DRAINAGE IMPROVEMENTS PROJECT BAY COUNTY, FL



MADRIDCPWG ENGINEERING, INC.
3918 N. HIGHLAND AVE.
TAMPA, FL
813-361-2644
WWW.MADRIDCPWG.COM



REDWOOD AVENUE
DRAINAGE
IMPROVEMENTS
REDWOOD AVENUE, PANAMA CITY, FL 32401
COVER PAGE

Sheet List Table	
Sheet Number	Sheet Title
COVER	COVER PAGE
G-101	GENERAL NOTES AND LEGEND
G-102	BID ITEMS
V-101	EXISTING CONDITION, DEMOLITION, AND EROSION CONTROL KEY SHEET
V-102	EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN
V-103	EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN
V-104	EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN
V-105	EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN
C-101	PLAN AND PROFILE KEY SHEET
C-102	PLAN AND PROFILE - STA. 0+00 TO STA. 8+45
C-103	PLAN AND PROFILE - STA.8+45 TO STA. 14+95
C-104	PLAN AND PROFILE - STA.14+95 TO STA. 21+45
C-105	PLAN AND PROFILE - STA. 21+45 TO STA. 27+50
C-106	PLAN AND PROFILE - STA. 27+50 TO STA. 28+53
C-107	PLAN AND PROFILE BYPASS - STA. 0+00 TO STA. 1+13
C-401	INLET - DETAIL A
C-402	OUTLET - DETAIL B
C-403	OUTFALL STRUCTURE DETAIL
C-501	NUTRIENT REDUCTION UNIT DETAILS
C-502	GEOTECHNICAL SURVEY
C-503	GEOTECHNICAL SURVEY
C-504	MAINTENANCE OF TRAFFIC PLAN
C-505	STORMWATER POLLUTION PREVENTION PLAN

BOARD OF COUNTY COMMISSIONERS

TOMMY HAMM	CHAIRMAN	DISTRICT 1
ROBERT CARROLL	COMMISSIONER	DISTRICT 2
WILLIAM T. DOZIER	COMMISSIONER	DISTRICT 3
DOUGLAS MOORE	VICE CHAIRMAN	DISTRICT 4
CLAIR PEASE	COMMISSIONER	DISTRICT 5

GOVERNING STANDARD PLANS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2024-25 STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. STANDARD PLANS FOR ROAD CONSTRUCTION ARE AVAILABLE AT THE FOLLOWING WEBSITE:
[HTTP://WWW.FDOT.GOV/DESIGN/STANDARD PLANS](http://www.fdot.gov/design/standard-plans)

GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CAN BE FOUND AT THE FOLLOWING WEBSITE:
[HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/DEFAULT.SHTM](https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm)

GOVERNING DESIGN STANDARDS:

MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS (COMMONLY REFERRED TO AS THE "FLORIDA GREEN BOOK" CAN BE FOUND AT THE FOLLOWING WEBSITE:
[HTTPS://WWW.FDOT.GOV/ROADWAY/ FLORI](https://www.fdot.gov/roadway/flori)

AS AMENDED BY CONTRACT DOCUMENTS, PAY ITEM NOTES PRESENT MODIFICATIONS TO FDOT SPECIFICATIONS.

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

LARRY A. LACKEY, P.E. FLORIDA REG.
PROF. ENGINEER No.: 59904

NO.	REVISION/ISSUE	DATE	DRAWN	CHECKED
1	REVISED PER ADDENDUM #1		10/29/24	

PROJECT NO. M2315298.00	SHEET NO. COVER
DATE NOVEMBER 2023	
SCALE AS NOTED	

C:\Users\jagathia\barremy\OneDrive - AVG Services, LLC\Madrid CPWG\Redwood Ave Drainage Improvements\CAD\Redwood Ave Drainage - Conceptual Drawings - Cover.DWG

BASE BID PAY ITEMS:

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS OF MEASURE	QUANTITY
0101 1	MOBILIZATION	LS	1.0
0110 1 1	CLEARING & GRUBBING	LS	1.0
0110 4 10	REMOVAL OF EXISTING PAVEMENT	SY	151.0
0102 1	MAINTENANCE OF TRAFFIC	LS	1.0
0570-1-2	PERFORMANCE TURF	SY	6,333.0
SPI - 1	RELOCATION OF UTILITY CONFLICTS	LS	1.0
0104 11	FLOATING TURBIDITY BARRIER	LF	25.0
0104 10 3	SEDIMENT BARRIER	LF	2,611.0
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	26.0
0327 70 1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	215.0
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C, 2" THICK	TN	44.5
0337 7 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, 1" THICK	TN	18.5
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	35.0
0285 706	OPTIONAL BASE, LIMEROCK, 8" THICK	SY	335.0
0530 3 3	RIPRAP-RUBBLE, BANK AND SHORE, 2' THICK	TN	45.0
0536 1 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	120.0
0536 7 1	SPECIAL GUARDRAIL POST - DEEP POST FOR SLOPE BREAK CONDITION	EA	14.0
0536 7 2	SPECIAL GUARDRAIL POST-SPECIAL STEEL POST FOR CONCRETE STRUCTURE MOUNT	EA	7.0
0430-175-148	CONCRETE PIPE CULVERT, 48-IN	LF	2,710.0
0430-175-112	PIPE CULVERT, 12-IN	LF	140.0
1050 18125	UTILITY PIPE, PLUG & PLACE OUT OF SERVICE, 20-49.9"	LF	3.0
0425 2 91	MANHOLES, J-8, <10'	EA	1.0
0425 2 92	MANHOLES, J-8, >10'	EA	8.0
SPI - 2	NUTRIENT REDUCTION UNIT	EA	1.0
0430 548 120	STRAIGHT CONCRETE ENDWALL, INDEX 430-030, 48" PIPE	EA	1.0
SPI - 3	SPECIAL OUTFALL STRUCTURE	EA	1.0

BASE BID PAY ITEM NOTES:

THE FOLLOWING PAY ITEM NOTES EMPHASIZE PARTS OF FDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION (LATEST EDITION) OR MODIFICATIONS TO FDOT STANDARD SPECIFICATIONS BY THE PLANS, AND/OR SPECIAL PROVISIONS. ITEMS CODED PER FDOT 2024 BASIS OF ESTIMATES.

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS OF MEASURE
0101 1	MOBILIZATION <i>PAY ITEM 0101-1, CONSISTS OF WORK AND OPERATIONS NECESSARY TO BEGIN WORK ON THE PROJECT. INCLUDES MOVING IN EQUIPMENT AND PERSONNEL, ESTABLISHING TEMPORARY OFFICES, SAFETY EQUIPMENT, SANITARY FACILITIES, AND OFFSITE STORAGE YARD AND ANY OTHER EQUIPMENT, LABOR, FEES, PERMITS, OR ACTIVITIES NECESSARY TO COMMENCE THE WORK. INCLUDES SURVEYING, BOND AND INSURANCE EXPENSES, AND PREPARATION OF AS-BUILTS IN AUTOCAD AND PAPER FORMAT. ALSO CONSISTS OF SECURITY SERVICES AND/OR EXPENSES ASSOCIATED WITH NIGHT WORK.</i>	LS
0110 1 1	CLEARING & GRUBBING <i>PAY ITEM 0110-1-1, LUMP SUM, CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF ALL VEGETATION, TOP SOIL REMOVAL AND STOCKPILE, TOPSOIL REDISTRIBUTION, DEBRIS, DRAINAGE STRUCTURES, FLEXIBLE PAVEMENT, BUILDINGS OR ANY OTHER OBSTRUCTIONS IN ALL AREAS WHERE EXCAVATION IS TO BE DONE, OR WHERE EMBANKMENTS OR STRUCTURES WILL BE CONSTRUCTED. THIS INCLUDES ROADWAY AREA, DITCH AREA, BORROW AND MATERIAL PITS, AND AREAS WHERE CULVERTS OR PIPE LINES WILL BE CONSTRUCTED. ALSO INCLUDES SHRUB AND TREE TRIMMING OR REMOVAL IDENTIFIED IN THE CONTRACT DOCUMENTS.</i>	LS
0102 1	MAINTENANCE OF TRAFFIC <i>PAY ITEM 0102-1, LUMP SUM PRICE, CONSISTS OF ALL ITEMS REQUIRED TO SAFELY MAINTAIN TRAFFIC THROUGHOUT A TRANSPORTATION WORK ZONE WITH MINIMAL INCONVENIENCE TO THE PUBLIC. THIS INCLUDES SIGNS, POSTS, TEMPORARY FENCING, ACCESSORIES, BARRICADES, CONNECTIONS, CONES, PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS, INSTALLATION, AND REMOVAL. INCLUDES REMOVAL AND REINSTALLATION OR RELOCATION OF EXISTING TRAFFIC SIGNS AS NECESSARY. MAILBOXES DAMAGED BY CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. INCLUDES NOTIFICATIONS PER SECTION 102 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.</i>	LS
SPI - 1	RELOCATION OF UTILITY CONFLICTS <i>PAY ITEM SPI - 1, LUMP SUM, UNIT PRICE INCLUDES ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NECESSARY TO RELOCATE EXISTING UTILITIES OR OBJECTS TO FACILITATE INSTALLATION OF THE PROPOSED IMPROVEMENTS.</i>	LS
0536 1 1	GUARDRAIL -ROADWAY, GENERAL TL-3 <i>PAY ITEM 0536-1-1, LINEAR FOOT, CONSISTS OF THE CONSTRUCTION OF METAL GUARDRAIL ON POSTS OF TIMBER AND/OR STEEL, END TREATMENT, AND ALL APPURTENANCES INSTALLED IN ACCORDANCE WITH INDEX 400. OBJECT MARKERS USED FOR FACING REVERSE LANES OF TRAFFIC ARE INCLUDED IN THE COST OF THE GUARDRAIL.</i>	LF
0430-175-112	PIPE CULVERT, 12-IN <i>PAY ITEM 0430-175-112, LINEAR FOOT, INCLUDES FURNISHING ALL MATERIALS FOR ALL PREPARATION, EXCAVATION/TRENCHING, BACKFILL, AND INSTALLATION OF 12-IN SDR-21 or 12' DUAL CORRUGATED HDPE PIPE MEETING ASTM D2241 POLYVINYL CHLORIDE (PVC) PRESSURE-RATED PIPE (SDR) STANDARDS OR AASHTO M252, AASHTO M294 or ASTM F2306 FOR HDPE PIPE. ALL GASKETS, LINK SEALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS ARE INCLUDED IN THE BID PRICE.</i>	LF
1050 18-125	UTILITY PIPE, PLUG & PLACE OUT OF SERVICE, 20-49.9" <i>PAY ITEM 1050-18-125, LINEAR FOOT, INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO PLUG PIPE WITH GROUT TO THE LENGTH INDICATED ON THE PLANS.</i>	LF
SPI - 2	NUTRIENT REDUCTION UNIT <i>PAY ITEM SPI - 2, EACH, INCLUDES FURNISHING ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO INSTALL NUTRIENT REDUCTION UNIT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.</i>	EA
0430 548 120	STRAIGHT CONCRETE ENDWALL, INDEX 430-030, 48" PIPE <i>PAY ITEM 430-548-120, EACH, INCLUDES FURNISHING ALL MATERIALS, EQUIPMENT, AND LABOR FOR THE INSTALLATION OF STRAIGHT CONCRETE ENDWALLS, 48", SINGLE, 30 DEGREES, CIRCULAR, COST SHALL BE BASED ON THE PLAN QUANTITIES UNIT PRICE FOR CLASS I CONCRETE (ENDWALLS), EA, PER FDOT STANDARD PLAN INDEX 430-030 AND INCLUDES GROUTING BETWEEN EXISTING END WALL AND PROPOSED ENDWALL.</i>	EA
SPI - 3	SPECIAL OUTFALL STRUCTURE <i>PAY ITEM SPI - 3, EACH, INCLUDES SITE PREP AND FURNISHING ALL MATERIALS, EQUIPMENT, AND LABOR FOR THE INSTALLATION OF SPECIAL OUTFALL STRUCTURE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. INCLUDED IN THIS ITEM ARE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO BYPASS STREAM FLOW DURING THE CONSTRUCTION OF THE SPECIAL OUTFALL STRUCTURE, SELECTIVE DEMOLITION OF EXISTING CULVERTS, SHORING, DEWATERING AS REQUIRED TO COMPLETE THE PROJECT AND AS DEPICTED ON SHEET C-402, SPECIAL BACKFILL, OVEREXCAVATION, TESTING, AND ALL OTHER INCIDENTAL ITEMS REQUIRED TO CONSTRUCT THE SPECIAL OUTFALL STRUCTURE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.</i>	EA



MADRIDCPWG ENGINEERING, INC.
3918 N. HIGHLAND AVE.
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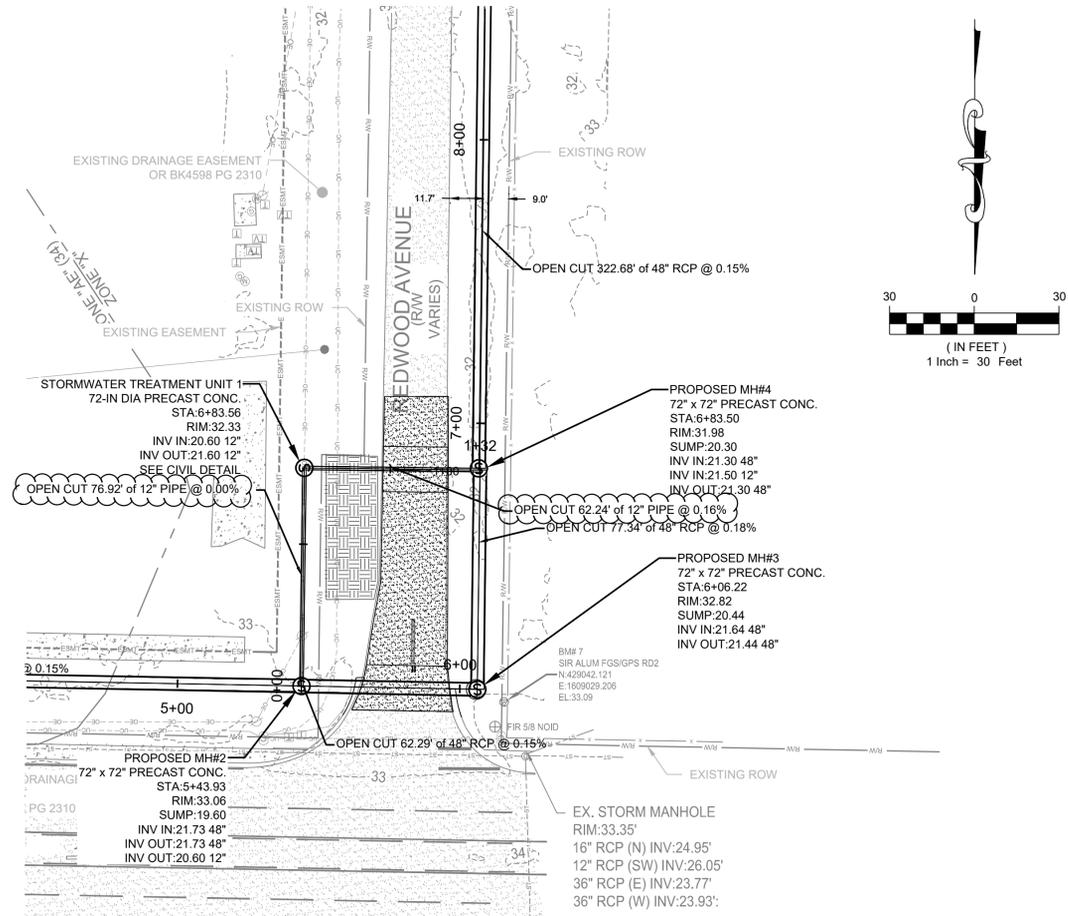
REDWOOD AVENUE
DRAINAGE
IMPROVEMENTS
REDWOOD AVENUE, PANAMA CITY, FL 32401
BID ITEMS

LARRY A. LACKEY, P.E. FLORIDA REG.
PROF. ENGINEER No.: 59904

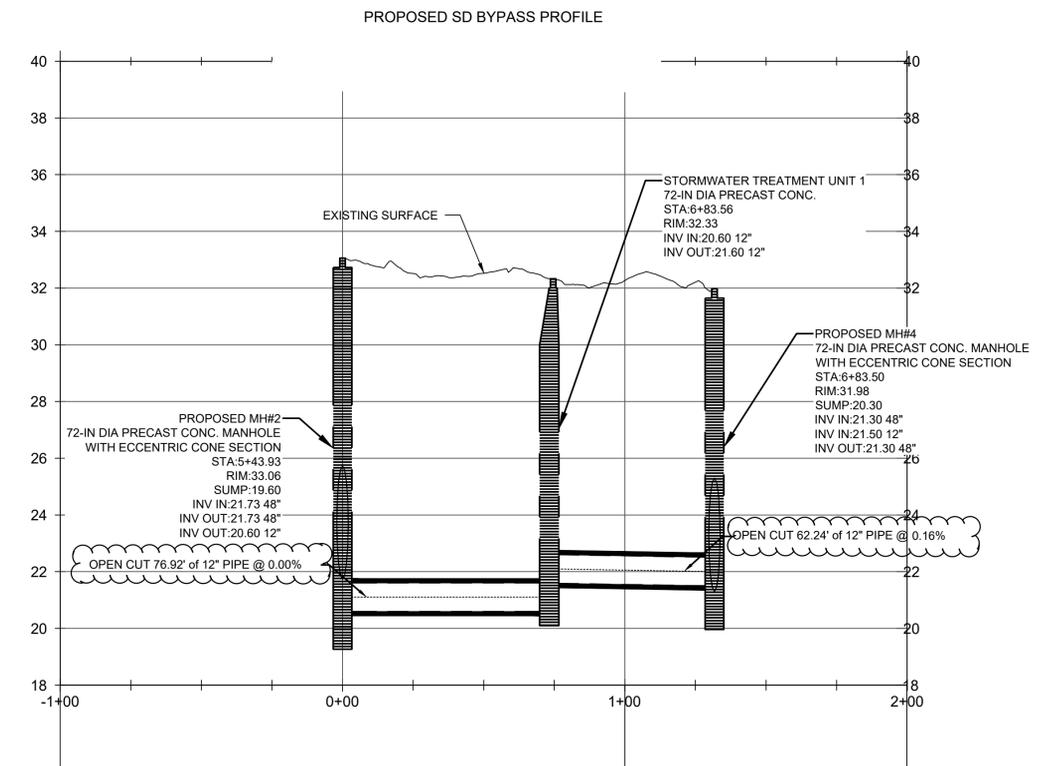
NO.	REVISION/ISSUE	DATE	CHECKED
1	REVISED PER ADDENDUM #1	10/29/24	

PROJECT NO.
M2315298.00
DATE
NOVEMBER 2023
SCALE
AS NOTED

SHEET NO.
G-102



PROPOSED NUTRITION REDUCTION UNIT PLAN



PROPOSED NUTRITION REDUCTION UNIT PROFILE

MADRID CPWG
ENGINEERING, INC.

3918 N. HIGHLAND AVE.
TAMPA, FL
813-361-2644
WWW.MADRIDCPWG.COM



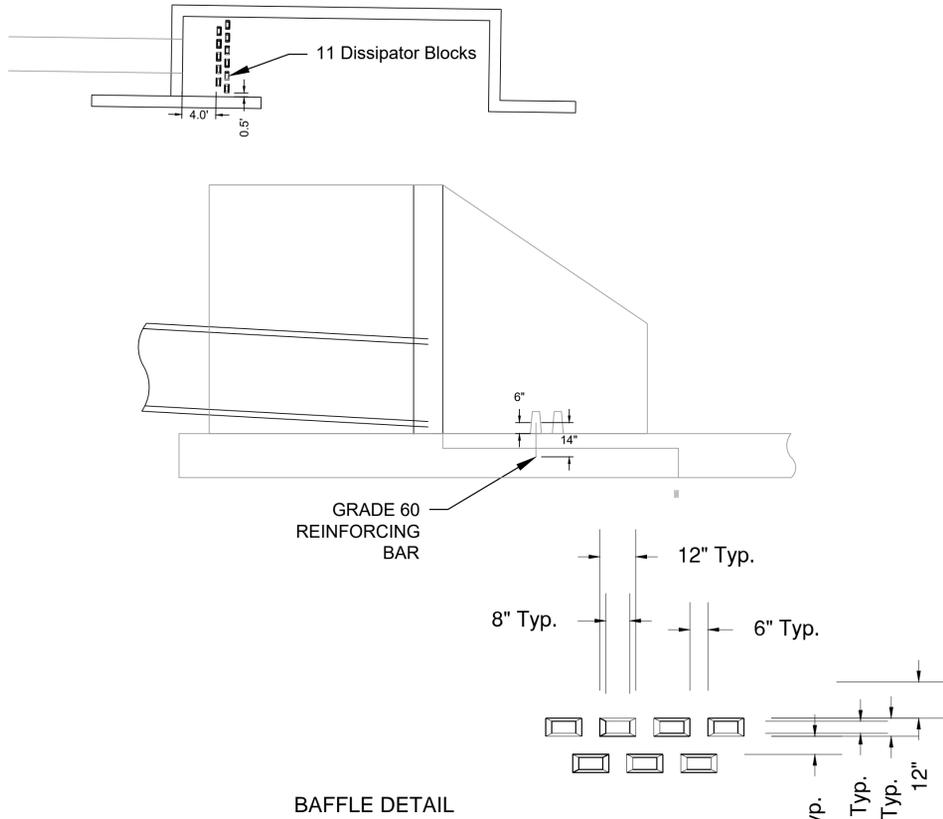
REDWOOD AVENUE DRAINAGE IMPROVEMENTS
REDWOOD AVENUE, PANAMA CITY, FL 32401

PLAN AND PROFILE
BYPASS - STA. 0+00 TO STA. 1+13

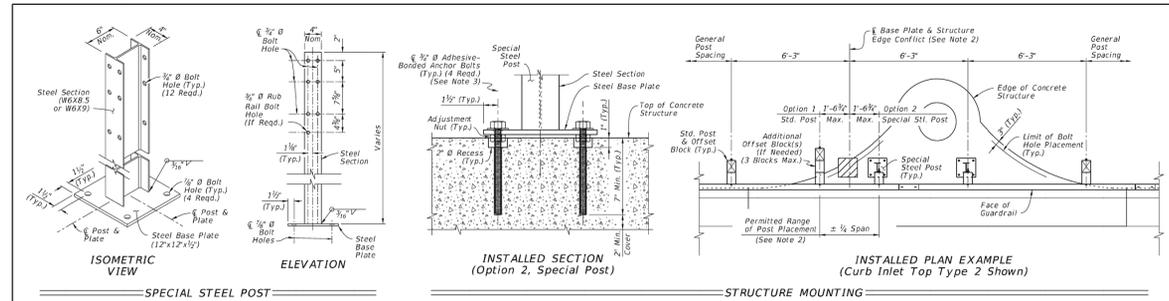
MICHAEL P. SMITH, P.E. FLORIDA REG. ENGINEER No. 42981

NO.	REVISION/ISSUE	DATE	DRAWN	CHECKED
1	REVISED PER ADDENDUM #11	10/29/24		

PROJECT NO. M2315298.00	SHEET NO. C-107
DATE NOVEMBER 2023	
SCALE AS NOTED	

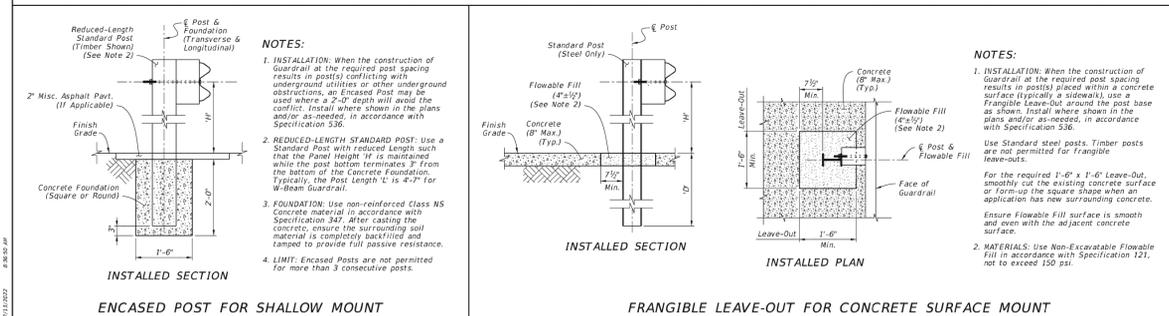


NOTES:
 SUMP BOTTOM APPROPRIATE FOR ALL MANHOLE AND INLET TYPES. SUMPS ARE TO BE CONSTRUCTED IN ALL MANHOLES AS SHOWN ON THE PLANS. WEEP HOLES ARE TO BE CONSTRUCTED IN SUMP BOTTOM. COST OF SUMP BOTTOM AND WEEP HOLE TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR MANHOLE.



NOTES:

- INSTALLATION: When the construction of Guardrail at the required post spacing results in posts located at open cut, inlets, pier footings, or similar concrete structures, a Special Steel Post may be substituted for a Standard Post. Install where shown in the plans and/or as-needed, in accordance with Specification 536.
- EDGE CONFLICT: When a required post location causes an Edge Conflict with the structure, where the Steel Base Plate is not located entirely on the structure at least 2" from the Edge of Concrete, the longitudinal post location may be altered by up to 1'-6" (Quarter Span) from the original required spacing location to prevent the Edge Conflict. With the post location adjusted, use a Std. Post mounted in soil (Option 1) or a Special Steel Post with its Base Plate mounted entirely on the structure (Option 2). Maintain the original required spacing locations upstream and downstream of the structure.
- BASE PLATE MOUNT: Install Special Steel Posts as shown using steel Adhesive-Bonded Anchor Bolts in accordance with Specification 536. Use 1/2" Hex-Head Bolts for structures less than 9" deep as defined in the Specification.
- PANEL MOUNT TO ADJUSTED POST: Punch additional 1/2"x1/2" Post Bolt Slots in the W-Beam or Thrie-Beam Panel only where needed to mount the panel to a post in an adjusted location. Meet the Panel Post Bolt Slot requirements of Specification 536.
- MATERIALS: Use steel base plates in accordance with Specification 536.



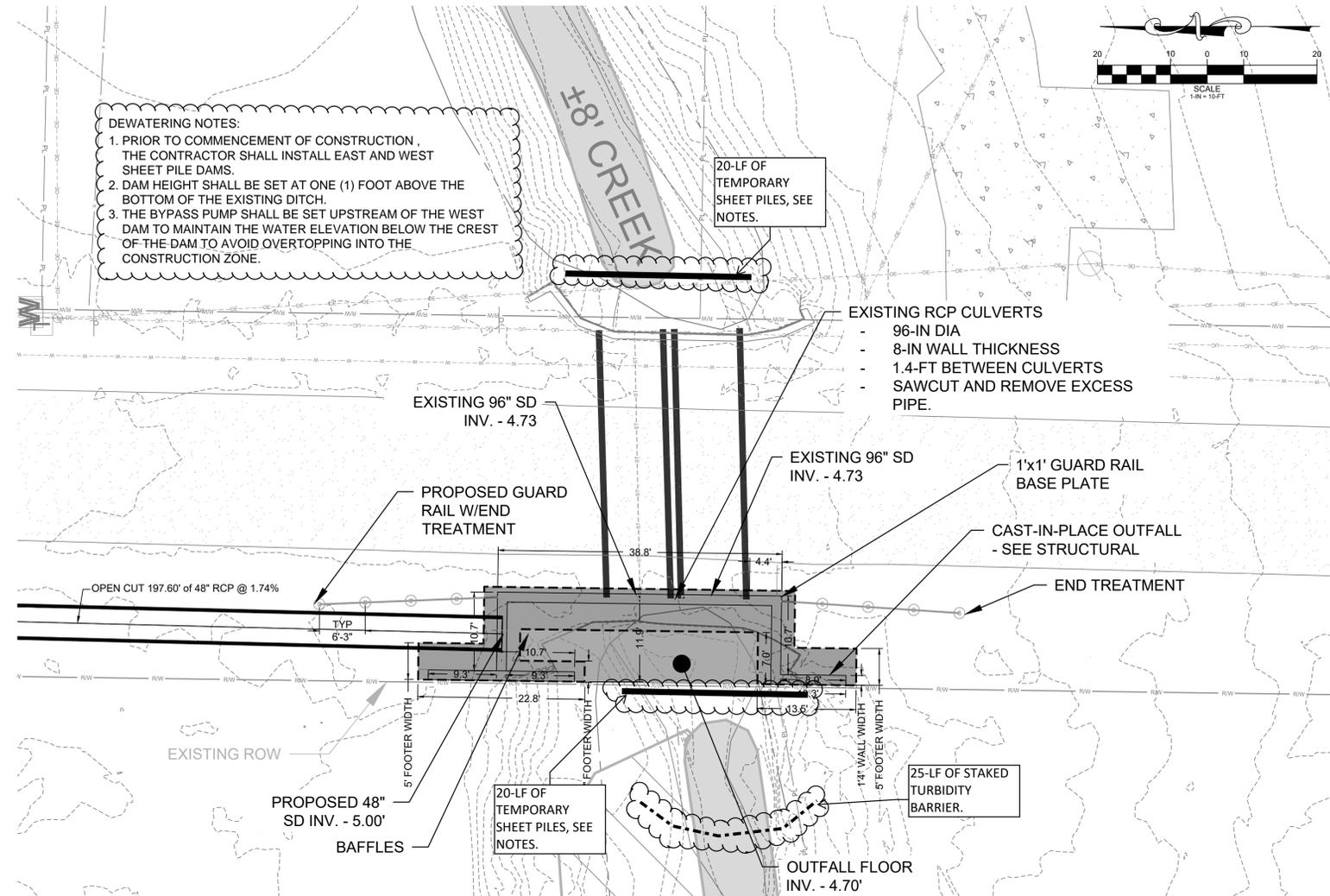
NOTES:

- INSTALLATION: When the construction of Guardrail at the required post spacing results in posts conflicting with underground utilities or other underground obstructions, an Encased Post may be used where a 2'-0" depth will avoid the conflict. Install where shown in the plans and/or as-needed, in accordance with Specification 536.
- REDUCED-LENGTH STANDARD POST: Use a Standard Post with reduced length such that the Panel Height H_p is maintained while the post bottom terminates 2" from the bottom of the Concrete Foundation. Typically, the Post Length L_p is 4'-7" for W-Beam Guardrail.
- FOUNDATION: Use non-reinforced Class NS Concrete material in accordance with Specification 347. After casting the concrete, ensure the surrounding soil material is completely backfilled and tamped to provide full passive resistance.
- LIMIT: Encased Posts are not permitted for more than 3 consecutive posts.

NOTES:

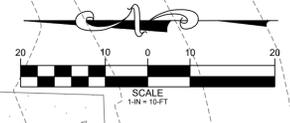
- INSTALLATION: When the construction of Guardrail at the required post spacing results in posts placed within a concrete surface (typically a sidewalk), use a Frangible Leave-Out around the post base as shown. Install where shown in the plans and/or as-needed, in accordance with Specification 536. Use Standard steel posts. Timber posts are not permitted for Frangible Leave-outs. For the required 1'-6" x 1'-6" Leave-Out, smoothly cut the existing concrete surface or form-up the square shape when an application has new surrounding concrete. Ensure Flowable Fill surface is smooth and even with the adjacent concrete surface.
- MATERIALS: Use Non-Excavatable Flowable Fill in accordance with Specification 121, not to exceed 150 psi.

LAST REVISION	DESCRIPTION	FY 2023-24	INDEX	SHEET
11/01/19		STANDARD PLANS	536-001	23 of 24



DEWATERING NOTES:

- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL EAST AND WEST SHEET PILE DAMS.
- DAM HEIGHT SHALL BE SET AT ONE (1) FOOT ABOVE THE BOTTOM OF THE EXISTING DITCH.
- THE BYPASS PUMP SHALL BE SET UPSTREAM OF THE WEST DAM TO MAINTAIN THE WATER ELEVATION BELOW THE CREST OF THE DAM TO AVOID OVERTOPPING INTO THE CONSTRUCTION ZONE.



MADRID CPWG

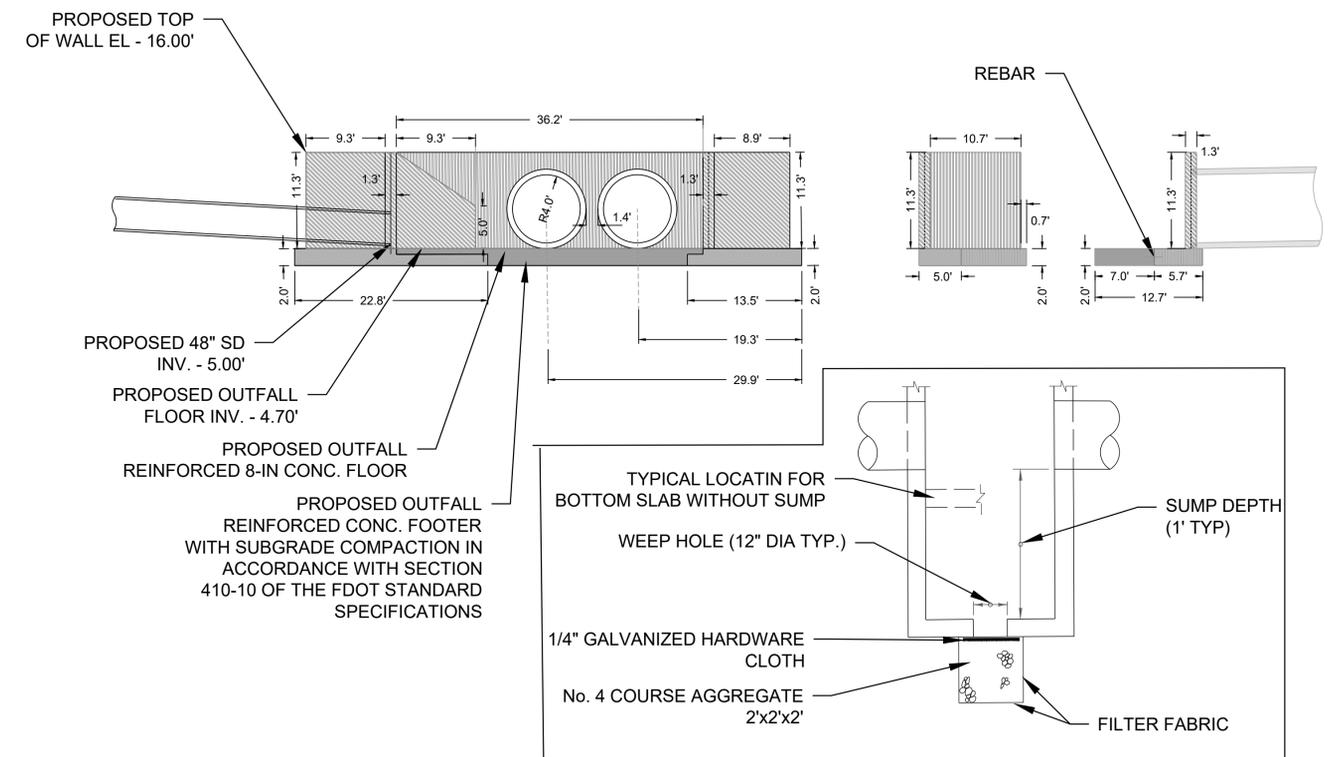
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REDWOOD AVENUE DRAINAGE IMPROVEMENTS
 REDWOOD AVENUE, PANAMA CITY, FL 32401

OUTLET - DETAIL B

MICHAEL P. SMITH, P.E. FLORIDA REG. PROF. ENGINEER No. 42081



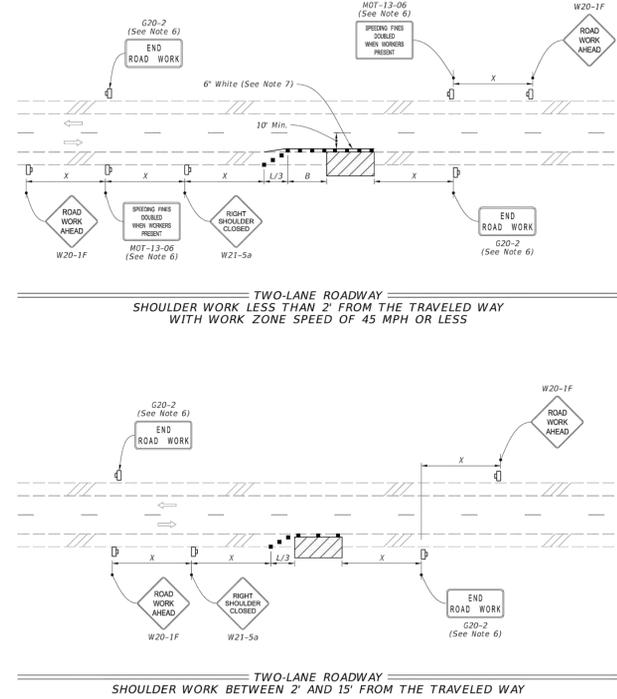
NO.	REVISION/ISSUE	DRAWN	CHECKED
1	REVISED PER ADDENDUM #1		10/29/24

PROJECT NO. M2315298.00
 DATE NOVEMBER 2023
 SCALE AS NOTED

SHEET NO. C-402

NOTE:

- This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
- L = Taper Length
X = Work Zone Sign Spacing
B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- 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.
- When four or more 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 egress.
- For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- 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.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
- 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)
- Work Zone Sign
- Lane Identification and Direction of Traffic

LAST REVISION 11/01/21	DESCRIPTION: FY 2023-24 STANDARD PLANS	INDEX 102-602	SHEET 1 of 2
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MAINTENANCE OF TRAFFIC NOTES:

- THE CONTRACTOR SHALL USE ANY APPLICABLE INDEX FROM THE FDOT STANDARD PLANS FY 2022-23 (102 SERIES) PERTAINING TO TRAFFIC CONTROL THROUGH WORK ZONES.
- THE CONTRACTOR SHALL HAVE A WORKSITE TRAFFIC SUPERVISOR QUALIFIED PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SECTION 105-8) WHO SHALL EXECUTE THE DUTIES DESCRIBED IN FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SECTION 102-3)
- CONTRACTOR TO INSTALL TRAFFIC CONTROL IN WORK ZONE SIGNS 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION
- THE CONTRACTOR SHALL REDUCE THE POSTED SPEED LIMIT TO PROVIDE A SAFE ENVIRONMENT. SIGNS SHALL BE PROPERLY PLACED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, FDOT STANDARD PLANS, AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN ADEQUATE TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL NOTIFY LOCAL LAW ENFORCEMENT AGENCIES AND FIRE STATIONS AT LEAST 48 HOURS IN ADVANCE OF ANY LANE CLOSURES.
- AT LEAST ONE LANE OF ROAD SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
- CONTRACTOR AT CONTRACTOR'S EXPENSE SHALL GIVE RESIDENTS AND BUSINESSES LOCATED ON THE PROJECT RIGHT-OF-WAY 48-HOURS NOTICE OF START OF CONSTRUCTION AND HAVE MAINTENANCE OF TRAFFIC SIGNAGE IN PLACE PRIOR TO BEGINNING ANY CONSTRUCTION. THE COUNTY WILL PROVIDE DOOR HANGER TYPE NOTICES TO THE CONTRACTOR. CONTRACTOR PERSONNEL SHALL DISTRIBUTE TO EACH BUSINESS AND RESIDENT 24-HOURS PRIOR TO STARTING ANY OPERATIONS THAT COULD PREVENT ACCESS TO ANY RESIDENCE OR BUSINESS. THE CONTRACTOR SHALL ALSO NOTIFY LOCAL LAW ENFORCEMENT AGENCIES AND FIRE STATIONS AT LEAST 48-HOURS IN ADVANCE OF ANY LANE CLOSURES.
- ROADWAY CLOSURES WILL ONLY BE ALLOWED FOR THE REPLACEMENT OF THE CROSS DRAINS. CONTRACTOR SHOULD REFERENCE BAY DISTRICT SCHOOLS CALENDAR AND SCHEDULE CLOSURES DURING ACADEMIC HOLIDAYS TO LIMIT SCHOOL BUS AND REGULAR TRAFFIC DISRUPTIONS.
- ROADWAYS WILL BE PERMITTED TO BE CLOSED FOR NO MORE THAN 2 DAYS CONSECUTIVELY PER CROSSING LOCATION. CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES IN THE AMOUNT OF \$1,665.00 A DAY IF THE CONTRACTOR EXCEEDS THE TOTAL CONTRACT TIME AND/OR THE APPROVED ROAD CLOSURE DAYS. SPECIAL DETOUR MUST BE IN PLACE PRIOR TO CLOSING THE ROADWAY TWO WAY TRAFFIC MUST BE MAINTAINED DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.
- ROADWAY CLOSURES SHALL BE LIMITED TO THE CROSS DRAIN PLACEMENT LOCATIONS.
- ALL ROAD CLOSURES REQUIRE LAW ENFORCEMENT, EMERGENCY SERVICES AND BAY DISTRICT SCHOOLS TO BE NOTIFIED IN ADVANCE OF THE CLOSURE. ANY ROAD CLOSURES WILL REQUIRE A MINIMUM OF TEN (10) WORKING DAYS NOTICE PRIOR TO CLOSURE.
- Two (2) WORKING DAYS IN ADVANCE OF ANY ROAD CLOSURE, THE CONTRACTOR SHALL POST PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) THAT CAN BE CLEARLY READ BY THE TRAVELING PUBLIC NOTIFYING THE PUBLIC OF THE ROAD CLOSURE. CHANGEABLE MESSAGE SIGNS MESSAGES AS FOLLOWS: "NEHI RD CLOSED" / "MM, DD-DD", "CLOSED TO THRU TRAFFIC" / "LOCAL TRAFFIC ONLY" MESSAGE SHALL BE DISPLAYED, AS NECESSARY, DURING CONSTRUCTION. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE USED IN ACCORDANCE WITH STANDARD PLANS INDEX 102 SERIES DURING ROADWAY CLOSURE PERIODS OR AS DIRECTED BY BAY COUNTY. PCMS SHALL BE INCLUDED WITH PAY ITEM 102-1.
- THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN GAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS TO THEIR PROPERTY SHALL BE MAINTAINED AT ALL TIMES, AND ANY BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS.
- THE CONTRACTOR AT CONTRACTOR'S EXPENSE, SHALL BE RESPONSIBLE FOR DESIGNING AND IMPLEMENTING A DETOUR PLAN, TO INCLUDE SIGNAGE.
- THE ROADWAY CONSTRUCTION SEQUENCE IS TO BE DETERMINED BY THE CONTRACTOR.
- WHEN TRAFFIC SIGNS ARE LOCATED WITHIN THE AREA OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE COUNTY INSPECTOR FOR APPROVAL TO REMOVE, RE-SET, OR RELOCATE ANY SIGN. THE CONTRACTOR SHALL REINSTALL ANY DISTURBED MAILBOXES OR SIGNS TO EXISTING OR ACCEPTABLE CONDITION.
- IF WORK IS REQUIRED AFTER SUNSET, ALL ELEMENTS OF THE NIGHT REQUIREMENTS FOR TRAFFIC CONTROL THROUGH WORK ZONES AS SPECIFIED IN THE FDOT DESIGN STANDARDS SHALL BE IN PLACE PRIOR TO BEGINNING WORK.
- AT THE DISCRETION OF THE COUNTY ENGINEER, IF LANE CLOSURE CAUSES EXTENDED CONGESTION, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME AS THE TRAFFIC FLOW HAS RETURNED TO NORMAL.
- CONTRACTOR SHALL INSTALL WARNING SIGNS IN AREAS WHERE THERE IS A PAVING LANE OR SHOULDER DROP-OFF CAUSED BY THE CONSTRUCTION ACTIVITY.
- IN THE EVENT THAT LAW ENFORCEMENT IS REQUIRED FOR MAINTENANCE OF TRAFFIC, THE CONTRACTOR SHALL PAY ALL COSTS.
- THE CONTRACTOR SHALL REMOVE OR COVER ANY EXISTING OR PROPOSED SIGNS OR PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS OR PAVEMENT MARKINGS TO THEIR ORIGINAL CONDITION.
- SPEED REDUCTION SIGNS ARE TO BE USED ONLY IN THE AREAS WHERE ACTUAL WORK IS BEING PERFORMED. ANY SPEED REDUCTION SIGN IN AREAS WHERE WORK IS NOT CURRENTLY BEING PERFORMED SHALL BE COVERED.
- ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12-HOURS OF AN EVACUATION NOTICE FOR A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE COUNTY ENGINEER.
- WHEN A ROAD IS CLOSED TO THRU-TRAFFIC, IN ADDITION TO INSTALLING THE APPLICABLE CLOSURE AND DETOUR SIGNAGE TO ROUTE THE THRU-TRAFFIC AROUND THE CLOSURE, THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PORTIONS OF THE FDOT DESIGN STANDARDS AND STANDARD SPECIFICATIONS TO PROVIDE FOR THE CONTROL AND PROTECTION OF LOCAL TRAFFIC THRU THE CLOSED SECTION OF THE ROADWAY, THROUGHOUT THE DURATION OF THE CLOSURE, DAY AND NIGHT, TO INCLUDE ADVANCED WARNING SIGNS, PROTECTIVE BARRIERS, AND 1-WAY (SINGLE LANE) TRAFFIC OPERATIONS WITH FLAGGERS, AS APPLICABLE.
- TRAFFIC CONTROL DEVICES REQUIRED BY FDOT STANDARD PLANS INDEX 102 SERIES AND THE MUTCD SHALL BE PROVIDED AS CONDITIONS WARRANT IN EACH CONSTRUCTION PHASE. COORDINATION OF TRAFFIC CONTROL DEVICES BETWEEN SUCCESSIVE WORK ZONE LOCATIONS OR ADJACENT CONTRACTORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH APPROVAL OF BAY COUNTY.
- SEE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 102 (MAINTENANCE OF TRAFFIC) FOR ANY ADDITIONAL REQUIREMENTS.

NOTES:

- This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
- L = Taper Length
X = Work Zone Sign Spacing
See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
- Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
- Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
- Additional one-way control may be provided by the following means:
a. Flag-carrying vehicle
b. Official vehicle
c. Pilot vehicles
d. Traffic signals

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

SYMBOLS:

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

LAST REVISION 11/01/21	DESCRIPTION: FY 2023-24 STANDARD PLANS	INDEX 102-603	SHEET 1 of 2
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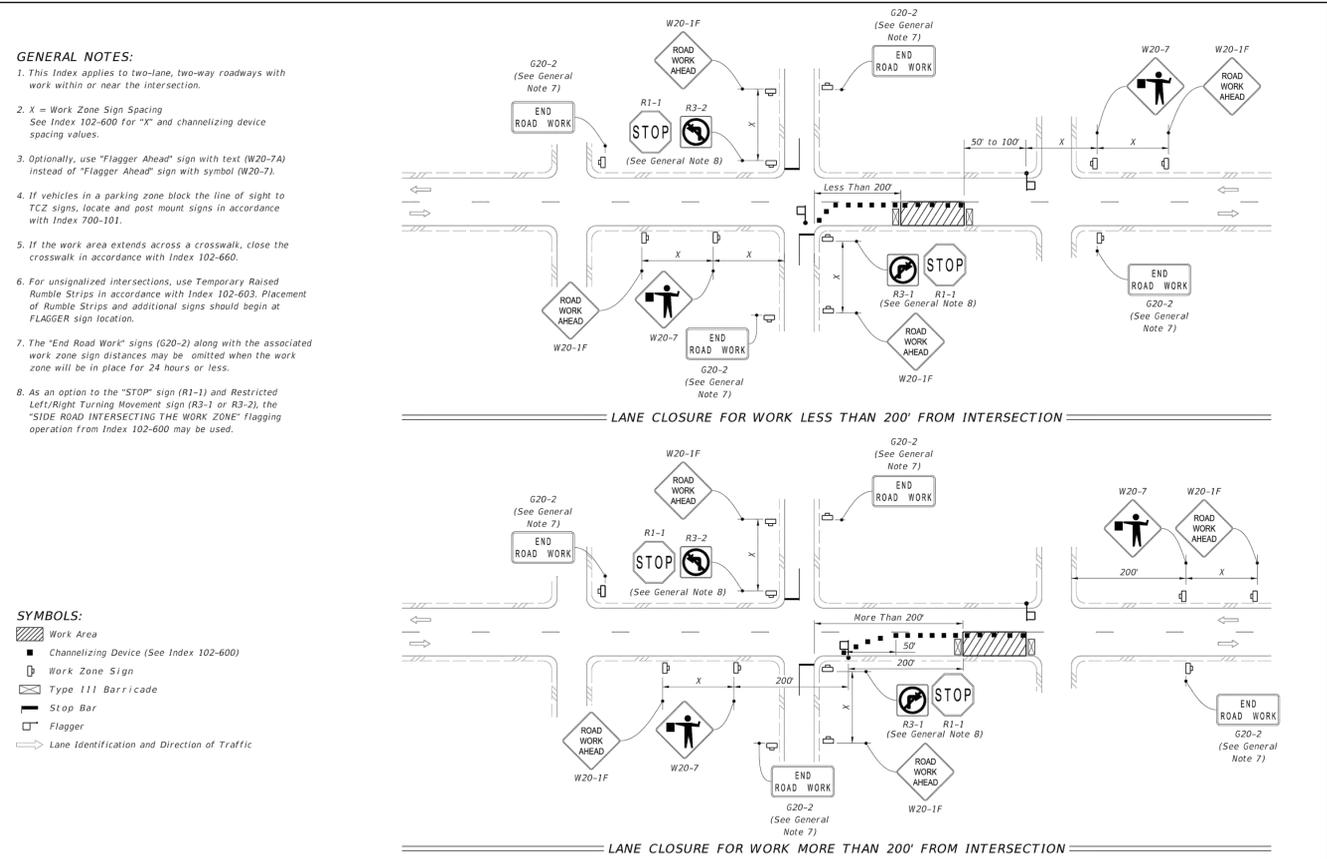
GENERAL NOTES:

- This Index applies to two-lane, two-way roadways with work within or near the intersection.
- X = Work Zone Sign Spacing
See Index 102-600 for "X" and channelizing device spacing values.
- Optionally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).
- If vehicles in a parking zone block the line of sight to TCZ signs, locate and post mount signs in accordance with Index 700-101.
- If the work area extends across a crosswalk, close the crosswalk in accordance with Index 102-660.
- For unsignalized intersections, use Temporary Raised Rumble Strips in accordance with Index 102-603. Placement of Rumble Strips and additional signs should begin at FLAGGER sign location.
- The "End Road Work" signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work zone will be in place for 24 hours or less.
- As an option to the "STOP" sign (R1-1) and Restricted Left/Right Turning Movement sign (R3-1 or R3-2), the "SIDE ROAD INTERSECTING THE WORK ZONE" flagging operation from Index 102-600 may be used.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Stop Bar
- Flagger
- Lane Identification and Direction of Traffic

LAST REVISION 11/01/22	DESCRIPTION: FY 2023-24 STANDARD PLANS	INDEX 102-604	SHEET 1 of 2
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**REDWOOD AVENUE
DRAINAGE
IMPROVEMENTS
MAINTENANCE OF TRAFFIC
(MOT)**
REDWOOD AVENUE, PANAMA CITY, FL 32401

LARRY A. LACKEY, P.E. FLORIDA REG.
PROF. ENGINEER No. 59904

NO.	REVISION/ISSUE	CHECKED	DRAWN

PROJECT NO.
M2315298.00
DATE
NOVEMBER 2023
SCALE
AS NOTED

SHEET NO.
C-504

RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE TO THE COUNTY INSPECTOR AND/OR ENGINEER.

- COMPANY NAME: _____
- NAME OF INSPECTOR: _____
- QUALIFICATIONS OF INSPECTOR AND TITLE: _____
- MEASURES/AREAS INSPECTED: _____
- OBSERVED CONDITIONS: _____
- CHANGES NECESSARY TO THE SWPPP: _____

STORMWATER POLLUTION PREVENTION PLAN FOR FY 24 REDWOOD AVENUE DRAINAGE IMPROVEMENTS PROJECT
AS PER F.D.E.P. GENERAL PERMITS N.P.D.E.S. PERMITS STORMWATER AND DREDGE AND FILL REGULATOR PERMITTING

NARRATIVE:
THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET POLLUTION PREVENTION PLAN IS REFERENCED IN THIS NARRATIVE.

1. **SITE DESCRIPTION**
NATURE OF CONSTRUCTION ACTIVITY:
 - THE PROJECT INCLUDES INSTALLATION OF APPROXIMATELY 2,715 LINEAR FEET OF 48-IN REINFORCED CONCRETE PIPE INSTALLED IN RIGHT-OF-WAY ALONG 15TH STREET AND REDWOOD AVENUE. ASSOCIATED WITH THE PIPE ARE 9 NEW MANHOLES, 1 INLET STRUCTURE, 1 OUTLET STRUCTURE, PAVEMENT AND SURFACE DEMOLITION AND RESTORATION AS NEEDED TO FACILITATE INSTALLATION OF THE PROPOSED IMPROVEMENTS.
 - PERMANENT WETLAND IMPACT AREAS ARE: 0.01 ACRES.
2. **TYPICAL EROSION CONTROL CONSTRUCTION INFORMATION:**
 - LOCATIONS SHOWN FOR EROSION CONTROL ARE APPROXIMATED, ACTUAL LOCATIONS TO BE DESIGNATED BY COUNTY INSPECTOR/ENGINEER AS FIELD CONDITIONS WARRANT.
 - ALL EXISTING AND PROPOSED INLETS MUST HAVE EROSION CONTROL PROTECTION AS SHOWN IN DETAIL (SHEET XX - DETAIL XX) AND PER FDOT SPECIFICATIONS.
 - TURBIDITY BARRIERS MUST BE ANCHORED AT BOTH ENDS.
 - COUNTY INSPECTOR/ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES TO CONTROL SEDIMENTS (BASED ON FIELD CONDITIONS AND UNFORESEEN CIRCUMSTANCES).
 - USE OF TYPE iii EROSION CONTROL FENCING SHALL BE INSTALLED PER DETAIL (SHEET XX - DETAIL XX) AND SHALL MEET FDOT SPECIFICATION 104.
3. **RECOMMENDED SEQUENCE OF CONSTRUCTION (BMP'S)**
 - INSTALL ALL PERIMETER EROSION CONTROL STRUCTURES TO RETAIN AND FILTER STORMWATER AND STABILIZE DRAINAGE DISCHARGE POINTS (BMP'S)
 - CLEARING AND GRUBBING ALONG THE RIGHT OF WAY AND UTILITY EASEMENT FOR ALL NECESSARY AREAS FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS.
 - KEEP ROADS FREE OF DEBRIS AND SAND/FILL BLANKET (TRACKING).
 - INSTALL NECESSARY EROSION CONTROL STRUCTURES, MAINTAIN AND/OR REPAIR EROSION CONTROLS ALONG PERIMETER AND DRAINAGE DISCHARGE POINTS.
 - CONSTRUCT ON SITE RETENTION AREAS AS NEEDED FOR SEDIMENT DISCHARGE PREVENTION AND EROSION CONTROL.
 - INSTALL ALL PRESCRIBED DRAINAGE STRUCTURES.
 - SOIL STABILIZATION SHOULD BE COMPLETED WITHIN TWO WEEKS AFTER INSTALLATION OF ALL STORMWATER STRUCTURES, PIPE, AND GRADING. SODDING AND RIP RAP WITH FILTER FABRIC UNDERLAY SHOULD BE INSTALLED IMMEDIATELY TO PREVENT EROSION/SEDIMENT TRANSPORT.
 - PHASE CONSTRUCTION, WHEN SCHEDULING CONSTRUCTION SCHEDULE CERTAIN OPERATION FOR DRY PERIODS OF THE YEAR (AVOIDING RAINFALL IMPACTS).
 - GOOD HOUSEKEEPING, PROTECT AND/OR COVER AND SEPARATE FUELING AREAS, OILS, PESTICIDES, PLANTS AND ALL HAZARDOUS BLANKET FROM RAINFALL EVENTS AND DRAINAGE STRUCTURES.
4. **SITE CHARACTERISTICS:**
 - DRAINAGE PATTERN, SEE PLAN VIEW DRAWINGS.
 - WETLAND IMPACT AREA 3,504 SQUARE FEET (0.08 ACRES)
 - BASED UPON THE GEOTECHNICAL REPORT, THE SOILS WITHIN THE PROJECT ARE PREDOMINATELY SAND AND LOAMY (SILTY AND CLAYEY) SAND.
 - SEE PLAN SHEETS FOR LOCATIONS OF EXISTING OUTFALLS AND RECEIVING WATERS.
5. **EROSION CONTROL INSPECTIONS:**

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND/OR WITHIN 24-HOURS OF A 0.5-INCH OR GREATER RAINFALL EVENT.

QUALIFIED PERSONNEL SHALL BE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) QUALIFIED STORMWATER MANAGEMENT INSPECTOR AS PER NPEDES PERMITTING.

TYPICAL AREAS TO INSPECT:

 - POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
 - ALL POINTS OF STORMWATER DISCHARGE.
 - POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS.
 - DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN COMPLETELY STABILIZED.
 - ALL SLOPE AREAS OF STABILIZATION WITH A SLOPE OF 3 TO 1 OR GREATER.
 - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION (FUELING AREAS, OILS, PESTICIDES, PLANTS AND ALL HAZARDOUS MATERIAL).
 - STORMWATER CONTROL STRUCTURES.
 - ACCESS AREAS WHERE VEHICLES ENTER OR EXIT THE SITE (TRACKING MAINTENANCE).

REPORT RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS (IF RELEASE OCCURS)

 - NOTIFY NATIONAL RESPONSE CENTER 800/424-8802 IMMEDIATELY
 - NOTIFY PERMITTING AUTHORITY IN WRITING WITHIN 14 DAYS.
 - MODIFY THE POLLUTION PREVENTION PLAN TO INCLUDE:
 - DATE OF RELEASE
 - CIRCUMSTANCES LEADING TO THE RELEASE
 - STEPS TAKEN TO PREVENT REOCCURRENCE OF THE RELEASE

MODIFY POLLUTION PREVENTION PLAN AS NECESSARY TO:

 - COMPLY WITH MINIMUM PERMIT REQUIREMENTS WHEN NOTIFIED BY FDEP THAT THE PLAN DOES NOT COMPLY
 - ADDRESS ANY CHANGE IN DESIGN, CONSTRUCTION OPERATION OR MAINTENANCE WHICH HAS AN EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANT SEDIMENTS.
 - PREVENT REOCCURRENCE OF REPORTABLE QUANTITY RELEASE OF A HAZARDOUS MATERIAL OR OIL.
6. **REPAIRS AND MAINTENANCE:**
 - THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24-HOURS OF INSPECTION THAT INDICATE ITEMS (EROSION CONTROL) ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGE AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
 - 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 NEEDED.
7. **LITTER CONTROL AND WASTE DISPOSAL:**
 - CONTRACTOR WILL BE RESPONSIBLE FOR LITTER CONTROL OF THE CONSTRUCTION SITE.
 - CONTRACTOR WILL BE RESPONSIBLE OF ALL FERTILIZER AND/OR OTHER CHEMICAL CONTAINERS IN ACCORDANCE TO EPA STANDARD PRACTICES (AS DETAILED BY THE MANUFACTURERS LABELING).
 - CONTRACTOR WILL BE RESPONSIBLE FOR PROPER DISPOSAL OF ALL SOLID WASTE MATERIAL, INCLUDING BUILDING AND CONSTRUCTION MATERIALS AND GARBAGE.
 - CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING PROPER BATHROOM FACILITIES (PORTABLE OR OTHER) FOR THE CONSTRUCTION OPERATION AND WORKERS.
 - CONTRACTOR WILL BE RESPONSIBLE FOR ADHERING TO ALL STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER OR SEPTIC TANK REGULATIONS.
 - CONTRACTOR WILL BE RESPONSIBLE FOR ADHERING TO ALL APPROVED STATE AND LOCAL CODES THAT ARE REQUIRED AND/OR ASSOCIATED PERMITS.



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REDWOOD AVENUE DRAINAGE IMPROVEMENTS
REDWOOD AVENUE, PANAMA CITY, FL 32401
STORMWATER POLLUTION PREVENTION PLAN

LARRY A. LACKEY P.E. FLORIDA REG.
PROF. ENGINEER No.: 59904

NO.	REVISION/ISSUE	CHECKED																		
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PROJECT NO. M2315298.00	SHEET NO. C-505
DATE NOVEMBER 2023	
SCALE AS NOTED	