

COMMUNITY DEVELOPMENT BLOCK GRANT —  
MITIGATION  
GENERAL INFRASTRUCTURE PROGRAM  
APPLICATION

TWIN LAKES SUBDIVISION  
ROAD MITIGATION PROJECT

SEPTEMBER 14, 2020

Twin Lakes Adams Drive  
2.2.16

MONROE COUNTY  
BOARD OF COUNTY COMMISSIONERS  
1100 SIMONTON STREET  
KEY WEST, FLORIDA 33040



JUDITH CLARKE,  
SENIOR DIRECTOR OF ENGINEERING SERVICES DEPARTMENT



**Community Development Block Grant – Mitigation  
General Infrastructure Program  
Twin Lakes Subdivision Road Mitigation Project**

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**PROJECT DESCRIPTION**

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**Purpose and Description:** Monroe County, Florida is the southernmost county in the continental United States, and is largely comprised of an island archipelago extending south 112 miles from Key Largo, and west to Key West. Since much of this island chain is at or near sea level, many of its coastal roads experience tidal flooding on a routine basis. The Twin Lakes Subdivision in Key Largo is a community that already experiences significant prolonged flooding.

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*This grant application requests \$7,180,204 in Community Development Block Grant-Mitigation funds to mitigate 4,633 linear feet of roadways in the Twin Lakes subdivision and construct a "pump and treat" storm water drainage system including construction of drainage structures, wet wells, pollution treatment device, and a related elevated pump station.*

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This **pilot project** is a strategic investment to minimize risk and reduce losses on Shaw Drive, Crane Street, and Adams Drive. These roads are low lying and subject to frequent and persistent flooding due to storms, tides, and sea level rise. These streets are bordered by wetlands and canals 44 and 47 on the bayside in Key Largo. The existing drainage basin is 17.98 acres encompassing a total of **233 residential structures of which 123 homes are estimated to qualify as low to moderate income**. Two properties within the Twin Lakes Subdivision have been designated **repetitive loss properties**.

Monroe County Board of County Commissioner's through General Revenue Funds has already expended **\$320,750** to complete the project design, which is currently at 90% completion. The County has also obtained all necessary permits. This project is "shovel ready".

With the design near completion, the project is ready for the

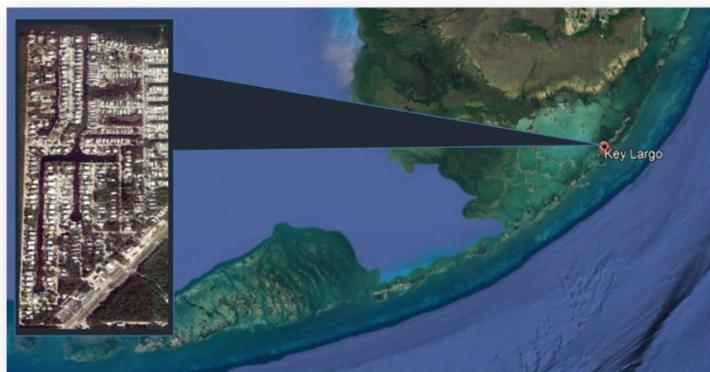


Figure 1: Project Site Location in Key Largo



construction phase. The design includes installation of a pretreated pressurized closed drainage system and elevating portions of residential streets to 5 inches target elevation as determined by NAVD88 and the County's adopted interim standard methodology adapting transportation infrastructure for sea level rise. The drainage system to be constructed with this grant consists of a gravity collection system with a pump station discharging into five (5) injection wells.

The engineering design and permitting phase has been completed for this project. The permitting phase of the project included survey, geotechnical and environmental investigations as needed to support development of construction plans and technical specifications. The storm water system is designed in accordance with South Florida Water Management District (SFWMD), the Florida Department of Environmental Protection (FDEP), and National Environmental Policy Act (NEPA) requirements. The necessary permits have been obtained for the system and the injection wells. The analysis considered future impacts due to sea level rise to the area as well as any environmental impacts and the design scope. Meeting environmental pollution requirements and protecting the pristine environment of the Florida Keys through treatment of storm water prior to release is a priority to the community, the county, and the entire State of Florida. This "**Area of Critical State Concern**" is an environmental treasure and a strong economic engine to the State of Florida.

**Mitigated Risks:** Twin Lakes Subdivision of Monroe County, faces frequent tidally-influenced inundation of residential access roads. The Twin Lakes Subdivision of Monroe County, would combine roadway repair and drainage improvement to alleviate the loss of roads, access, and floodwater inundation impacts to this neighborhood. The proposed project area is partially located within the **VE 9, AE 7, AE 9, AE 10 FIRM Flood Hazard Areas**. It is considered highly likely to be inundated by future sea level rise. (See *the Project Site Map in the Community Value Section* of this application).

When this flooding occurs, residents are either trapped or prevented from reaching their homes. Frequent, prolonged saltwater inundation can damage roads, infrastructure, and private homes. Public and private vehicles experience severe damage and shortened life spans due to the repeated salt-water exposure. Blocked streets create traffic congestion, which in turn delays business and causes other commercial interruptions. During flooding events, emergency response times are increased, escalating the risk to the citizens. **This mitigation project will ensure the ongoing viability of this residential neighborhood and enhance the community lifelines of safety and security, transportation, and health and medical.**



While tropical storms create significant problems, the slow and imperceptible rise in sea level tides block streets and inundate flood waters into homes on a monthly, or more frequent, basis. The loss of any additional residential structures, in the aftermath of Hurricane Irma's devastating blow to the housing stock countywide, must be prevented. Identifying viable storm water management solutions, in the wake of increasing tropical storm activity and rising sea levels is an absolute priority for Monroe County. These efforts are detailed in the *Community Value Section* of this application.

*According to Federal Highway Administration "Non-point source pollution accounts for 80 percent of the degradation of waters in the United States." Protecting the fragile marine environment in the Florida Keys is paramount to protecting this "Area of Critical State Concern".*

**Natural Infrastructure:** This project does not incorporate natural infrastructure but does treat storm water runoff, which contributes to enhanced near shore water quality.

**Staffing:** The project will be implemented by a highly experienced and qualified project management team consisting of the following individuals:

- Administrative Program Executive, Judith Clarke, P.E. Director of Engineering Services
- Project Manager, Debra London, Engineering Services Department, Project Manager
- Contract Manager, Olympia Newton, Senior Engineering Technician - Invoicing and Reimbursement processing, Engineering Services Department

## MITIGATED RISK

When flooding occurs, the Twin Lakes Subdivision faces the following risks affecting community lifelines including safety and security, health and medical, and transportation:

- **Access:** residents are either trapped or prevented from reaching their homes;
- **Emergency Responder Access:** emergency responders fail to reach victims or emergency response times may increase escalating risk to life and safety;
- **Infrastructure Damage:** frequent, sustained saltwater inundation damages roads, infrastructure, and private homes;
- **Vehicle Damage:** Public and private vehicles experience severe damage and shortened live spans due to repeated salt water exposure;
- **Post Disaster Operations:** search and rescue, damage assessment, debris removal, and infrastructure repairs are delayed;
- **Economic Impact:** Blocked streets create traffic congestion, which in turn delays business and causes other commercial interruption.



- Road Maintenance, Monroe County Roads and Bridges Department
- Further information on each of the team members is detailed in the *Capacity Plan Section* of this application including a biographical summary of each team member.

**Vendor Services:** In addition to internal staff, Monroe County will solicit vendor services for construction services, and construction, engineering and inspection (CEI) services, and historical and environmental reviews. All procurement processes will comply with the procurement standards in 2 C.F.R. §200.318 - §200.326 when procuring property and services under this Agreement.

**Work Plan:** The drainage system to be constructed with this grant consists of a gravity collection system with a pump station discharging into 5 injection wells. All runoff will be routed to the pump station using trunk lines along Shaw Drive and Adams Drive. The drainage design includes 54 inlets, 36 manholes, above ground electrical pump station control and distribution panel and components, generator, underground valve box, wet well, pollution treatment unit structure and a solids storage sump. The design storms for this system are the 10-year SCS Type II storms with durations of 24 and 72 hours correspondingly.

Monroe County will complete the project over a period of approximately two years and four months. The permitting process is complete and once the environmental review process is complete, we estimate that the construction phase will be conducted between

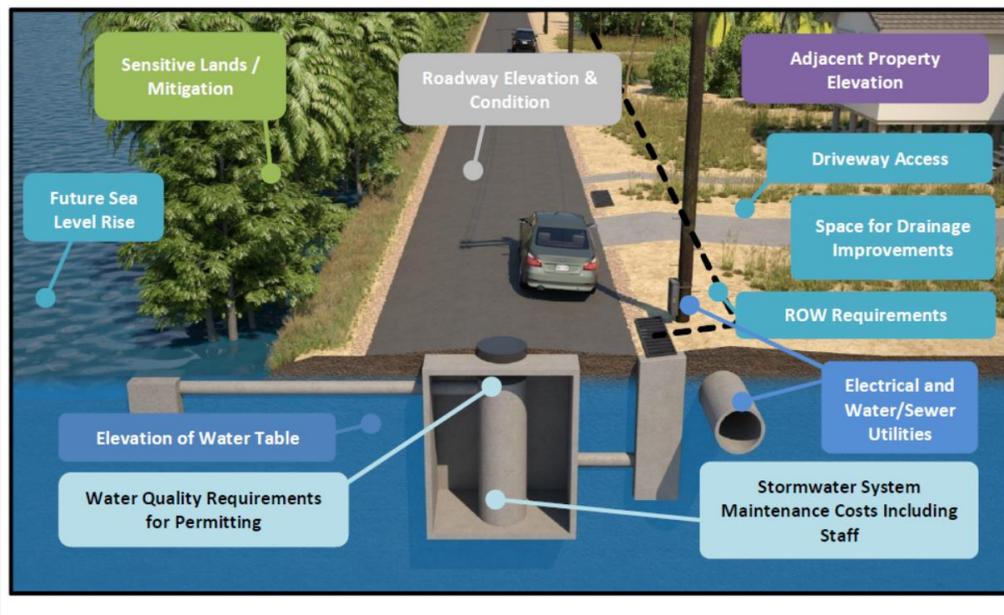


Figure 2: Conceptual Design of Road Mitigation Project



between December 2021 and July 2023 assuming that contracts are executed within a timely manner.

**Funding:** The Monroe County Engineering Services Department, working in close partnership with the residents of Twin Lakes Subdivision, have comprehensively evaluated the roadway and potential mitigation options. This proposed mitigation initiative will create an enhanced roadway and storm water drainage system that will avoid flooding and enhance the resilience of the community at a total cost of \$7,842,869 (\$320,750 in design costs paid by the MC BOCC and \$7,180,204 requested in CDBG-MIT Funds for construction and administration). Additional budget details are provided in the table insert and in the Budget Document.

**Costing Methodology:** The Monroe County Engineering Services Department design consultant WSP USA, Inc. has provided a detailed cost estimate in the *Budget Document*. WSP USA, Inc. is an experienced drainage and roadway construction design firm and has designed other projects for flooding in South Florida, specifically Miami Beach. Raising the roads and installation of pump stations are also compared to historical costs of roadway improvement projects maintained by the County and the Florida Department of Transportation (FDOT) regional historical costs. The Engineer of Record estimates the actual cost of Project Construction at **\$6,838,290** this includes the construction contingency and construction engineering and inspection costs

<b>Project Design, survey, permitting, and land acquisition (COMPLETE &amp; FUNDED BY BOCC)</b>	<b>\$320,750</b>
<b>Mobilization</b>	<b>\$520,484</b>
<b>Maintenance of Traffic</b>	<b>\$72,000</b>
<b>Roadway Construction</b>	<b>\$1,361,271</b>
<b>Utility Adjustments</b>	<b>\$64,750</b>
<b>Drainage system construction</b>	<b>\$3,778,817</b>
<b>Contingency</b>	<b>\$520,484</b>
<b>Construction Engineering and Inspection (CEI)</b>	<b>\$520,484</b>
<b>Project Administration</b>	<b>\$341,914</b>
<b>TOTAL</b>	<b>\$7,842,869</b>

**Administration:** The project has also incorporated compensation for Project Manager and Project Team for project administration and implementation of the project. Estimated cost is \$341,914, which represents five (5) percent of the total construction cost of **\$7,180,204**. Since the design phase was completed outside of the approved project period, the cost of the design **\$320,750** was not included to calculate the 5% administrative cost.

**Outcomes:** Shaw Drive, Crane Street, and Adams Drive in the Twin Lakes Subdivision are residential roads, which provide access to a **total of 233 residential structures** of which 123 homes are estimated to qualify as low to moderate income. The frequent and persistent flooding in this community has resulted in designating **two (2) properties as repetitive losses** within the National Flood Insurance Program. The road mitigation project will ensure the long-term viability of this residential area.



**Maintenance:** The Road Maintenance Division is responsible for the day-to-day maintenance and operations of County maintained roads. Staff will continue to maintain this roadway and drainage improvement structure within their routine maintenance schedule. The county has in place a pavement maintenance and rehabilitation program that rejuvenates the pavement 5 years after new pavement is installed. Based upon publically available funds, the Board of County Commissioners will direct the percentage of the budget, which is, dedicated to road maintenance operations.

Figure 1: Above ground components of elevated storm water pump station





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**COMMUNITY VALUE**

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The Twin Lakes Subdivision road mitigation project will provide value to the community in normal circumstances by continuing to provide access to the residential homes, which are currently subject to frequent and prolonged flooding. During flood events, roads are blocked prohibiting access to the community by homeowners, businesses services, public services, and emergency services. The road may flood during heavy rainfall and King Tides even in normal times.

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*During times of natural disasters, the project will provide value to the community by ensuring that residents can safely evacuate their homes, emergency services can reach disaster victims, roads can be cleared of debris, power lines can be restored, damages assessed, and recovery can occur through access to the neighborhood.*

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**Community Lifelines:** With the completion of the Twin Lakes Road Mitigation Project, the following community lifelines would be enhanced:



**Safety and Security:** Reestablishing community safety in the aftermath of a disaster is at the core of post disaster response operations. Maintaining accessibility to residential areas is essential in order to conduct **law enforcement and security activities, fire services, search and rescue** and other vital governmental services. Functional roadways are vital for continuity of operations and reestablishing a residential community after a disaster. Some of the residents are themselves considered essential personnel who need viable housing in order to continue working during disaster recovery.



**Health and Medical:** Disaster victims may require **medical care, patient movement, public health support, and medical supplies** in the aftermath of a large-scale disaster. Elevating roadways and ensuring that storm water can be effectively treated and removed is vital to reestablishing the health and medical lifelines.



**Transportation:** Functional roadways are a vital component of the transportation lifelines. The roads within the Twin Lakes Subdivision service as vital residential access roads for persons, goods, and services.



**Community Resilience:** Being an island community, we must contend with the reality of a high vulnerability to hurricane events, King Tides, and other flooding events that bring community devastation and large quantities of floodwaters to our neighborhoods, roads, critical facilities, and businesses. It is through a strong commitment to mitigation activities, that the Florida Keys have been able to build resilience. In the aftermath of Hurricane Irma (2017), the mitigating investments in the critical infrastructure, including the power grid, water supply systems, and waste water systems was clearly demonstrated. The Florida Keys did NOT experience prolonged service outages to these critical public services that have been hardened in recent decades.

Residential neighborhoods were less successful in withstanding the hurricane's devastation. Many homes throughout the county were constructed prior to the current building code with insufficient elevation and wind-load resilience. Residential roads throughout the Keys remained flooded in the aftermath of hurricanes and experience prolonged flooding during lesser events. These roads are suffering from the effects of sea level rise and insufficient storm water drainage systems.

Through the Monroe County Comprehensive Plan, the leadership has demonstrated a strong commitment to enforcing floodplain management strategies as well as embracing a better understanding and taking action to reduce the effects of climate change.

- **Chief Resilience Officer:** Monroe County Board of County Commissioners has funded a full-time Director and staff to manage long-term resilience of the Florida Keys.
- **GreenKeys Action Plan:** The County approved the GreenKeys! Sustainability Action Plan ("GreenKeys! Plan") which made recommendations to address climate and sustainability issues throughout the County and has guided ongoing efforts. Monroe County conducted a Pilot Project to assess the implications of tidal flooding on its roadway improvement program in two communities. This effort was motivated by two significant events. The first was the release of the County's GreenKeys! Sustainability Action Plan ("GreenKeys! Plan") in 2016, which made recommendations concerning infrastructure planning. The second was the King Tide Tidal Flooding Events of 2015 and 2016, which due to a combination of tidal and storm conditions caused long-term, disruptive flooding in these two areas. Even before the 2015 and 2016 flooding events, the residents in these communities indicated that they had experienced various levels of increasingly problematic tidal flooding for years, which will only

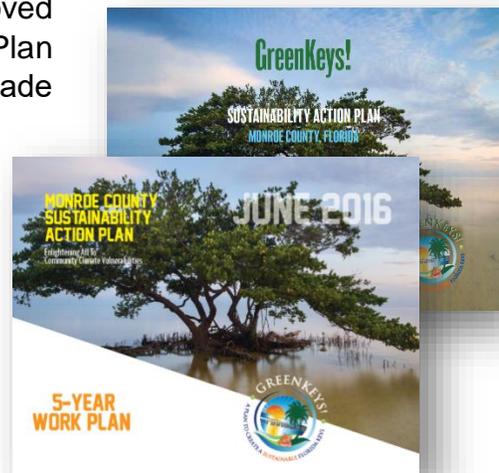


Figure 1: Resilience Planning in the Florida Keys



be exacerbated but future predicted flooding conditions. The GreenKeys! Plan indicated that approximately 144 miles of roadways may be exposed to tidal flooding by 2030, and that 188 miles of roadways may be exposed by 2030.

- **Monroe County Pilot Roads Project the Sands and Twin Lakes Communities (Jan 2017):** The County conducted this pilot study based on a data-driven method to identify the appropriate design response to potential flooding effects on roadways for the two communities. The County developed an approach to define alternatives for road improvements in the two pilot communities based on several elements.
  - Assessed past tidal events in the Keys by analyzing a 20-year historic tidal record and determining the statistical probability of tidal flooding for certain events based on that assessment.
  - Identified potential rates of sea level rise increases expected over a 25 year road improvement project lifetime for the road improvements. These values were then added to those derived from past events to define flooding recurrence scenarios for the year 2040.
  - Developed four design response strategies, 6", 12", 18" and 28" , of road elevation to evaluate flooding impacts and the benefits gained from those responses. Designing the roads in the community to ensure that all roads are at least at elevation 6" results in a need to raise certain portions of the roads (0.28 miles in the Sands Community, and 0.3 miles in the Twin Lakes Community)
  - Compared design scenarios to tidal flooding recurrence in 2015 and in 2040 to define the performance of design options under various scenarios.
  - Developed design cost estimates for the various identified road elevation scenarios to understand the relative differences in cost between various design options.
  - Provided recommendations on implementation strategies for future road elevation and drainage improvements.
- **National Flood Insurance Program (NFIP) Map Update:** The NFIP is currently revising the Flood Insurance Rate Maps (FIRM) in Monroe County. These new maps will provide important information, data, and maps to build long-term community resilience.
- **NFIP CRS Program:** Monroe County continues to focus efforts to enhance their rating with the NFIP Community Rating System which the goal of obtaining a Level 4 rating with the next year.
- **Countywide Road Analysis:** The County is also developing a countywide Roadways Study to identify the most vulnerable roadways and detail a long-term strategy to mitigate sea level rise impacts.
- **Adaptation Action Areas (AAA):** The Monroe County Planning Department is also currently in the process of developing amendments to the Comprehensive Plan that would allow for the designation of AAA and design a regulatory framework to govern development activities within these areas.



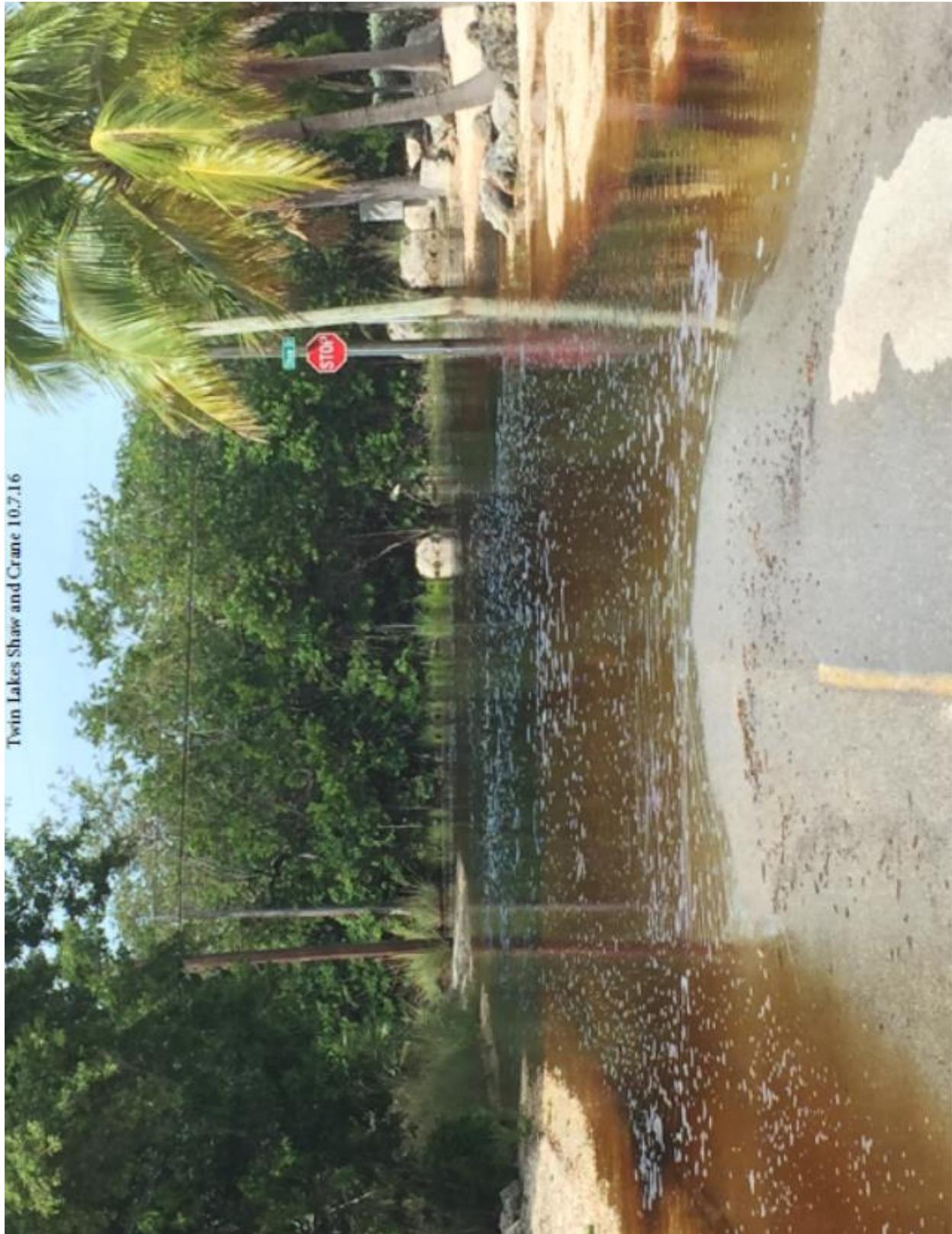
- **Storm Water Management Policies and Practices:** The county is currently evaluating and developing a development toolkit for storm water management activities within Monroe County.
- **Voluntary Home Buyout Program:** Through funding from the CDBG-DR Program, the County is implementing a \$15 Million program to purchase homes damaged by Hurricane Irma, demolish the structure, and dedicate the parcel for either green space or storm water management. The County developed a risk vulnerability scoring system to prioritize homes that are at high risk for flooding and sea level rise. Monroe County continues to seek external funds to buyout homes and support residential flood mitigation activities.

**Multi-jurisdictional Resilience:** This project will enhance multi-jurisdictional resilience by serving as a pilot project for road mitigation among all jurisdictions within the Florida Keys. Due to the unique geology and geography of this Island Archipelago, the road mitigation solutions of the Florida mainland and mainland communities throughout the nation will generally not be effective in the Keys. Monroe County, therefore, must identify mitigation options and engineering solutions uniquely suited to this island community. The road mitigation project will serve as a pilot engineering solution to benefit all jurisdictions in the keys and within Island communities.

**Attachments:** Attached are photos of the project site during periods of flood inundation as well as an overview map of the project site. This project includes the cost of developing the project design and therefore blueprints are not available.



**Figure 2: Photograph of Flooding impact October 2016**





**Figure 3: Photograph of Flooding impact October 2016**





Figure 4: Photograph of Flooding impact September 2015





**Figure 5: Photograph of Flooding Impact 2016**





**Figure 6: Photograph of Flooding Impact October 2016**



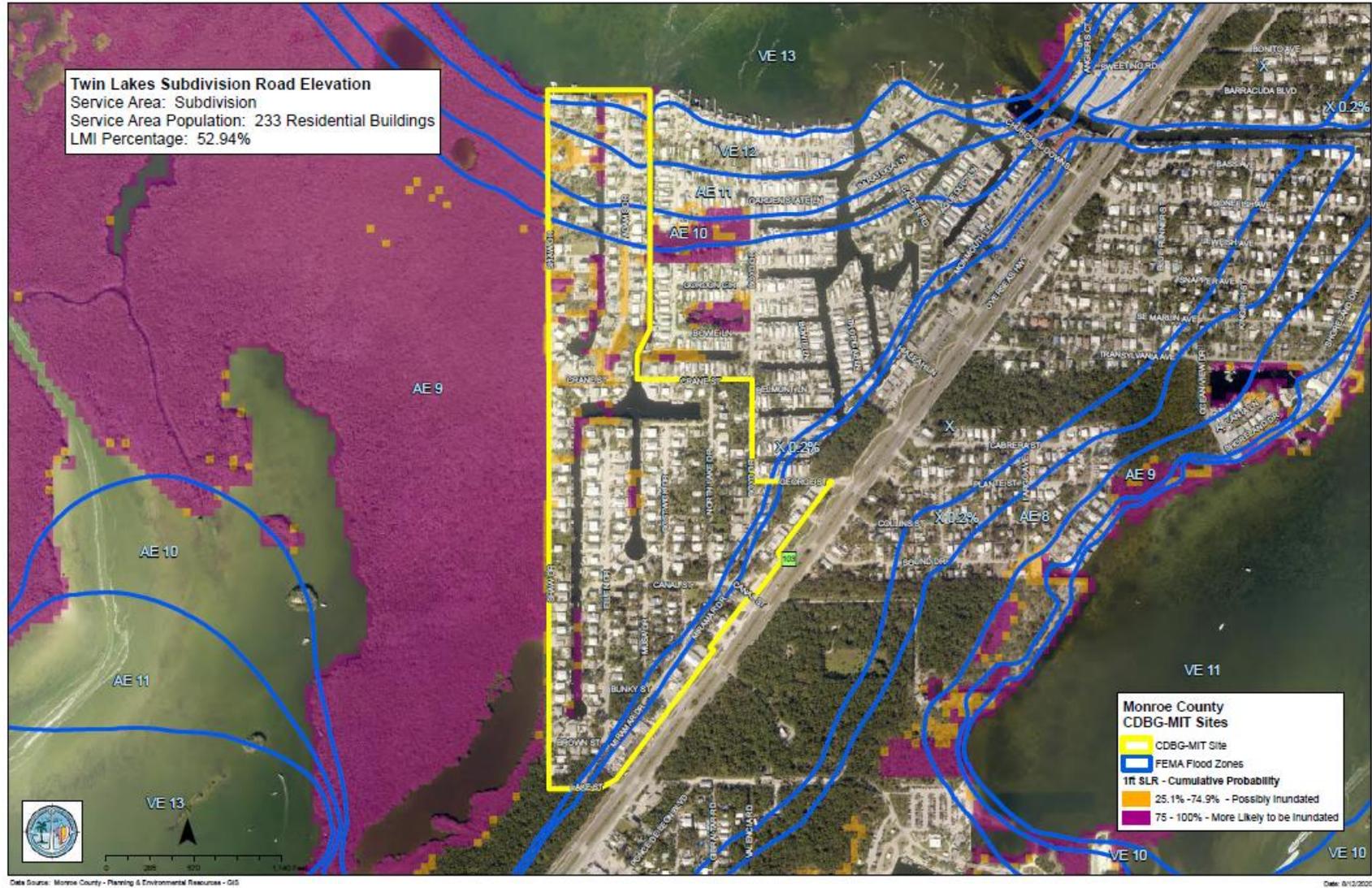


**Figure 7: Photograph of Flooding Impact October 2016**





Figure 8: Project Impact Area





**Community Development Block Grant – Mitigation  
General Infrastructure Program  
Twin Lakes Subdivision Road Mitigation Project**

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**CAPACITY PLAN**

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**Goal:** This grant application requests **\$7,180,204** for the drainage and roadway improvement to 4,633 linear feet of roads and construction of a "pump and treat" storm water drainage system. The road will be elevated to approximately 5 inches NAVD88 and will include 78 drainage structures, wet wells, pollution treatment device and an elevated pump station.

**Major Tasks:** Major tasks to be completed include environmental and historical review, storm water management system construction; engineering and inspection oversight of contractor during construction and maintenance of roadways and operation of the storm water management system upon completion of construction.

Tasks To Be Accomplished:

No.	Task Description	Responsibility	Date
1	Execute Sub-recipient agreement	Administrative Program Executive and Board of County Commissioners (BOCC)	12/15/2020
2	Solicit competitive qualifications based proposals for Construction Engineering and Inspection (CEI) consultant services	PM, Monroe County Purchasing Department	05/30/2021
3	Solicit competitive construction bids utilizing federal procurement requirements	PM, Monroe County Purchasing Department	05/30/2021
4	Acquire Vendors (Construction and CEI)	PM, Selection Committee, BOCC	01/15/2021
5	Process all necessary permits	Contractor	06/30/2021
6	Project Construction and Construction Monitoring	PM, Construction Contractor and Consultant CEI	
	25% construction phase completion		01/30/2022
	50% construction phase completion		05/30/2022
	75 % construction phase completion		09/30/2022
	100 % construction phase completion		01/30/2022
7	Close-out Project	PM	04/30/2022

**Deliverables:** The following deliverables will be developed for verification of project success.

- BOCC Approved Sub-recipient Agreement;
- BOCC Approval of Vendor Request for Proposals;



- Release of Request for Proposals for Construction Engineering and Inspection Services, and Construction Contractor Public Notice, Website Post, Demand Star Posting;
- BOCC Approval of Construction Contractor and Construction Engineering and Inspection Services Selection and contract execution;
- Environmental Review Approval by permitting agency;
- Project construction completion target Audits and Inspection reports;
- Progress Reports, Financial Reports, Invoice Documentation;
- Project Close-out Report.

**Stakeholders:** This project serves the residents of the Twin Lakes Neighborhood and the surrounding commercial areas impacted by the strain of the repeated and prolonged flooding. The Monroe County Board of County Commissioners as well as the staff from the Resilience Department, Public Works, Engineering Services Department have come together cooperatively to seek solutions to this relentless encroachment of flood waters identifying not only engineering solutions but also solutions that work in harmony with the community needs. The greater Monroe County regions and all municipal jurisdictions within are closely observing these initial road elevation and drainage improvement projects to identify best practices and strategic approaches to build community-wide resilience.

### Staffing Resources

**Project Administrator (PA), Judith Clark, Director of Engineering Services Department:** Judy will serve as the Administrative Program Executive. In this role she will be in charge of communicating with the administrative and politically elected leadership team on the status of the Project. She will approve budgetary issues, financial expenditures, revenues and ensure sufficient resources are available. The Executive will also resolve conflicts among staff, vendors, contractors, permitting agencies, the public and others.

***Experience:** Judith Clarke obtained her Master's Degree in Environmental Engineering from the University of Wisconsin and became a registered Engineer in 2002. During her 23 year Engineering career she has worked in both the public and private sectors managing a range of projects including environmental contamination and compliance, environmental permit compliance, wastewater studies, roadway and parks construction, debris management, and transportation infrastructure. Since 2009 she has managed the Monroe County Engineering Services Department managing personnel, budgets, and capital improvements.*

**Project Manager (PM), Debra London:** The Project Manager oversees all aspects of the building process, working closely with engineers and architects to develop plans, establish timetables, and determine labor and material costs. She is responsible for



ensuring the project is completed on budget and within scope. The Project Manager ensures ongoing coordination with all members of the Project Team including contracted engineering and construction vendors, and Monroe County Planning and Building Department. This position develops the Work Plan, issues the Notice To Proceed, monitors engineering design and project construction, verifies permit and inspections are conducted in accordance with local, state, and federal requirements governing construction and requirements detailed in the sub-recipient agreement with DEO. Contractors, consultants and inspectors must coordinate with the Project Manager to ensure efficient and compliant design, construction, and completion of this mitigation project.

**Experience:** *Debra London - Florida Certified Contract Manager -Project manager in the County roadway improvement program - responsible for contracts, including consultant design solicitation and selection, construction bid documents, construction engineering and inspection services consultant solicitation and selection, construction project administration, cost estimate analysis, coordination with State and Federal agencies, Engineers and Contractors. Grants Application and Administration experience includes - CDBG, FEMA, FHWA, FDEP, FDOT.*

**Contract Manager, Olympia Newton** – The Contract Manager will work with the Project Manager to oversee that project performance is within the contractual requirements of the CDBG-DR Subapplicant agreement and vendor contracts. This contract manager is responsible for coordinating, reviewing and approving contract terms to enforce deadlines, approving budgets and ensuring procurement follows Federal Register and grantor requirements, ensures schedules and budget requirements are maintained, assists with procurement and closeout of all contracts and grants. The Contract Manager will process all invoices from vendors and grant reimbursement requests.

**Experience:** *Ms. Newton received her Bachelor's Degree in Business Administration and has sixteen (16) years of professional experience working in administrative, procurement, contracts compliance and cost control for public agencies. Since 2018, she has worked as a Senior Engineering Technician for Monroe County Engineering Services Division where she support Project Managers for engineering projects, studies and contract management. In this position she manages the vendor bidding process, financial budgets, contracts ensuring compliance. Previous to her current position, she was employed by the Florida Keys Aquaduct Authority for fourteen years where she served as an executive administrator and contracts supervisor where she managed contracts, procurement and bidding, permit compliance, financial management, and budgeting.*

**The Finance and Budgeting Department, the Clerk of the Court, as well as the County Attorney Office,** will work with the Project Manager to ensure procurement



follows Federal Register and grantor requirements, ensures schedules and budget requirements are maintained, assists with procurement and closeout of all contracts and grants.

**Vendor Services:** In addition to internal staff, Monroe County will solicit vendor services for construction services, and construction, engineering and inspection (CEI) services. All procurement processes will comply with the procurement standards in 2 C.F.R. §200.318 - §200.326 when procuring property and services under this Agreement.

- **Engineering Design Services** have already been solicited and are currently at 90% completion. The costs for engineering design services are not being requested in this grant funding request. The engineering design associated costs, however, are listed in the budget document for informational purposes only and to document Monroe County leadership financial commitment to this project. This mitigation project is "**shovel ready**".
- **Construction Contractors:** Contractors will be solicited through competitive bid process that meets all requirements established by the Department of Housing and Urban Development and Monroe County Purchasing Policy. Contractors must be pre-qualified by the Florida Department of Transportation (FDOT) in accordance with Florida Statute Chapter 337.14 and FDOT Florida Administrative Code 14-22.
- **Construction Engineering and Inspection Consultants (CEI):** Consultants will be solicited through competitive qualifications based solicitation for Professional Services. The process will meet all requirements established by the Department of Housing and Urban Development and Monroe County Purchasing Policy. To be considered, all consultants to the CEI solicitation must be pre-qualified by the Florida Department of Transportation (FDOT) in accordance with Chapter 337.14 F.S. and Florida Department of Transportation Rules Ch. 14-22. All CEI project staff shall have a working knowledge of the current Construction Project Administration Manual and must possess all the necessary qualifications/certifications, outlined in Work Group 10. The CEI team shall consist, at a minimum of an inspector for daily site work, a project administrator and a Professional Engineer.

Monroe County has been Local Agency Program (LAP) certified by FDOT District 6 since 2010 and as such its policies and procedures comply with Federal Highway Administration requirements.

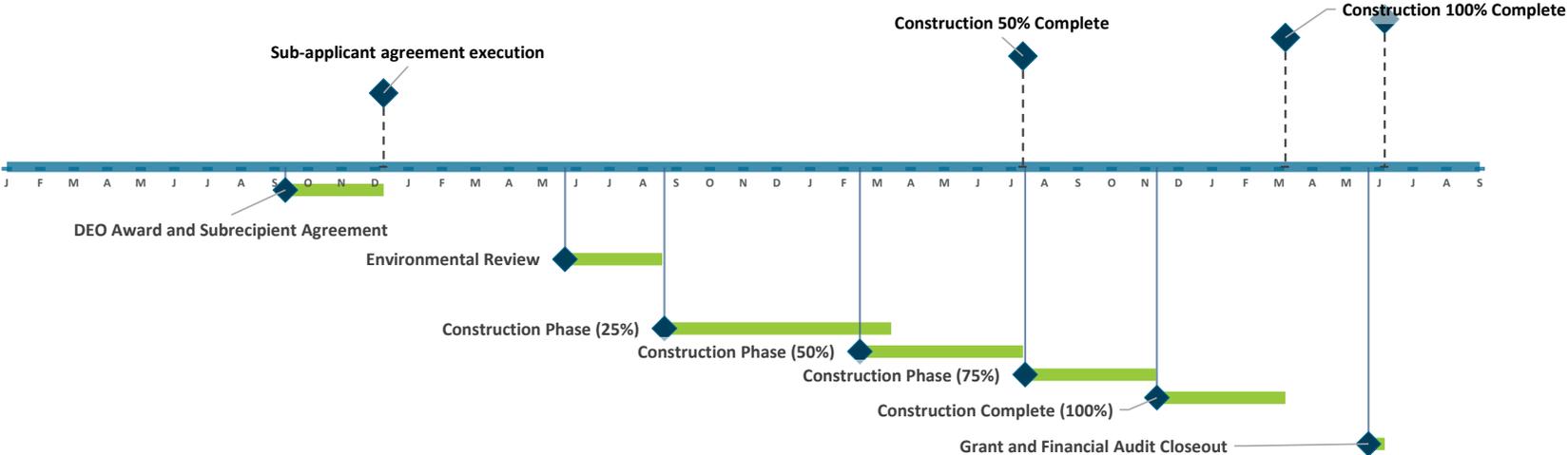
**Budget Resources:** The Monroe County Board of County Commissioners dedicated \$320,750 in local general revenue funds to complete the design of this roadway elevation and drainage improvement project. This CDBG-MIT GIP requests only the funds to construct the project.

In 2017 Hurricane Irma left not only a devastating blow to the community but also to the local government budget. As payments have been received from the Federal Emergency



Management Agency and insurance proceeds, the county has been able to regain financial solvency. The Covid-19 epidemic, however, has again left a deep impact on revenue sources that derive from tourism and sales. These revenue losses will likely have long lasting impacts. The county is currently under a hiring freeze and purchasing freeze with many employees furloughed. It is Monroe County's goal to continue to move forward in these important mitigation projects. Approving CDBG-MIT GIP funds to fund this project will ensure that Monroe County can build resilience within the Safety and Security, Transportation, and Health and Medical Lifelines of our community.

# Monroe County, Twin Lakes Subdivision Road Mitigation Project General Infrastructure Program Implementation Plan Timeline



## Tasks

Start	End	Duration	Label
9/15/20	12/15/20	91	DEO Award and Subrecipient Agreement
12/15/20	5/30/21	166	Vendor Procurement
6/1/21	8/30/21	90	Environmental Review
9/1/21	3/30/22	210	Construction Phase (25%)
3/1/22	7/30/22	151	Construction Phase (50%)
8/1/22	11/30/22	121	Construction Phase (75%)
12/1/22	3/30/23	119	Construction Complete (100%)
4/1/23	6/1/23	61	Project Commissioning
6/15/23	6/30/23	15	Grant and Financial Audit Closeout

## Milestones

Date	Label
<b>12/15/2020</b>	<b>Sub-applicant agreement execution</b>
<b>7/30/2022</b>	<b>Construction 50% Complete</b>
<b>3/30/2023</b>	<b>Construction 100% Complete</b>
<b>6/30/2023</b>	<b>Project / Grant Closeout</b>

## Notes

Record project notes below
<p>Insert timeline notes here</p>



**Community Development Block Grant – Mitigation Program  
General Infrastructure Program  
Monroe County Twins Lake Subdivision Road Mitigation Project**

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**BLUEPRINTS / ARCHITECTURAL DESIGNS**

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G-4A	SHOULDER BARRIER DETAILS
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PS-8A	INJECTION WELL DETAIL
PS-9A	A.A.R.V. DETAIL
E-1A - E-9A	PUMP STATION ELECTRICAL SHEETS
S-1A - S-4A	PUMP STATION STRUCTURAL SHEETS

**GOVERNING STANDARD PLANS:**  
 Florida Department of Transportation, FY 2019-20 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available at the following website:  
<https://www.fdot.gov/design/standardplans>

**GOVERNING STANDARD SPECIFICATIONS:**  
 Florida Department of Transportation, July, 2019 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

**MONROE COUNTY BOARD OF COMMISSIONERS:**

SYLVIA MURPHY (MAYOR)	DISTRICT 5
DANNY KOLHAGE (MAYOR PRO TEAM)	DISTRICT 1
HEATHER CARRUTHERS	DISTRICT 3
DAVID RICE	DISTRICT 4
MICHELLE COLDIRON	DISTRICT 2

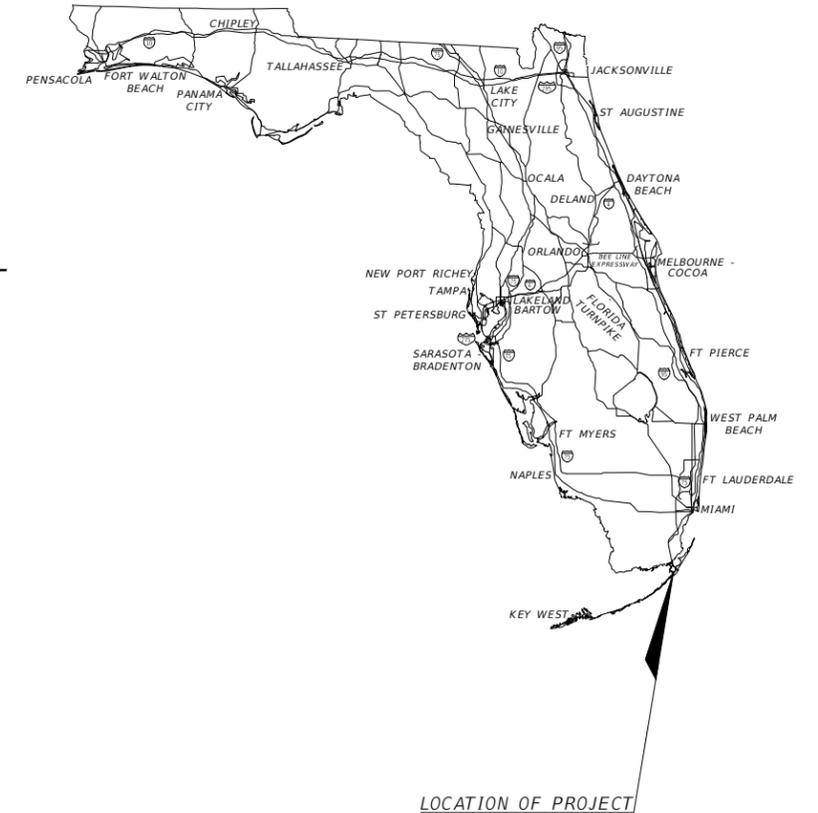
**MONROE COUNTY  
 DEPARTMENT OF ENGINEERING**

**CONTRACT PLANS**

**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT  
 KEY LARGO AND BIG PINE KEY  
 VOLUME A - KEY LARGO**



LOCATION OF PROJECT



LOCATION OF PROJECT

PLANS PREPARED BY:



WSP USA  
 7650 CORPORATE CENTER DRIVE, SUITE 300  
 MIAMI, FLORIDA 33126  
 C.A. # 01462

NOTE: SCALE SHOWN ON DRAWINGS CORRESPONDS TO PLOT SIZE 11"X17". IF DRAWINGS ARE PLOTTED ON OTHER SIZE SHEET, ENGINEER OF RECORD DOES NOT WARRANT ACCURACY OF DRAWING SCALE.

**90% SUBMITTAL  
 NOT FOR CONSTRUCTION**

ROADWAY PLANS  
 ENGINEER OF RECORD: ANDRES CARDONA, P.E.

P.E. NO.: 63917

PROJECT LENGTH IS BASED ON  $\varnothing$  CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	4633.35	0.878
BRIDGES	0	0
NET LENGTH OF PROJECT	4633.35	0.878
EXCEPTIONS	0	0
GROSS LENGTH OF PROJECT	4633.35	0.878

MONROE COUNTY PROJECT MANAGER: DEBRA LONDON

FISCAL YEAR	SHEET NO.
19	G-1A

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

MONROE COUNTY  
SEA LEVEL RISE ROADWAY AND  
DRAINAGE PILOT PROJECT - KEY LARGO  
SUMMARY OF PAY ITEMS

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1.00
102-1	MAINTENANCE OF TRAFFIC	DA	120.00
104-10-3	SEDIMENT BARRIER	LF	2410.48
104-18	INLET PROTECTION	EA	20.00
110-1-1	CLEARING & GRUBBING	AC	2.61
120-1	REGULAR EXCAVATION	CY	404.00
120-6	EMBANKEMENT	CY	1006.00
285-706	OPTIONAL BASE, BASE GROUP 01	SY	402.69
160-4	STABILIZATION TYPE B	SY	2416.26
286-1	TURNOUT CONSTRUCTION	SY	137.87
526-1-2	PAVERS, ARCHITECTURAL, SIDEWALK, DRIVEWAY	SY	422.78
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	SY	7914.53
334-1-11	SUPERPAVE ASPHALTIC CONC, TRAFFIC A	TN	948.42
530-74	BEDDING STONE (NO. 57 STONE)	TN	555.37
570-1-2	PERFORMANCE TURF, SOD	SY	1458.04
700-1-11	SINGLE POST SIGN, F&I, GROUND MOUNTED, UP TO 12 SF	AS	4.00
700-1-21	SINGLE POST SIGN MOUNT ON TOP OF BARRIER WALL	EA	1.00
700-1-60	SINGLE POST SIGN, REMOVE	AS	1.00
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	18.00
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID 24"	LF	56.00
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.06
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.82
711-15-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.19
521-72-41	SHLDR CONC BARRIER, RETAINING SECTION	LF	949.73
1050 31-202	UTILITY PIPE- PVC, FURNISH & INSTALL (2-in pipe)	LF	60.00
10-50-16-002	UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"	LF	40.00
10-50-16-004	UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"	LF	250.00
1050-51-208	8" WM DI PIPE FURNISH & INSTALL	LF	250.00
1050-51224	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 24"	LF	531.00
1050-51230	UTILITY PIPE-DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER/SEWER, 30"	LF	182.00
1080-29124	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 24"	EA	13.00
1080-29130	UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 30"	EA	10.00
1055 51124	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 24"	EA	6.00
1055-51130	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH AND INSTALL ELBOW, 30"	EA	5.00
1055-11425	UTILITY FITTING,F&I,DI/CI,TEE,20-49.9"	EA	4.00
1055-51230	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 30"	EA	2.00
1055-51524	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 24"	EA	1.00
1055-11435	UTILITY FITTINGS, F&I, DI/CI, REDUCER, 20 - 49.9"	EA	3.00
1080-24124	UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 24"	EA	2.00
425-1541	INLETS, DT BOT, TYPE D <10'	EA	55.00
425-2-71	MANHOLES, J-7 <10'	EA	25.00
425-2-72	MANHOLES, J-7 >10'	EA	3.00

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
425-2127	DRAINAGE MANHOLE, UTILITY CONFLICT STRUCTURE	EA	1.00
430-174-115	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 15" SD	LF	183.00
430-174-118	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 18" SD	LF	473.00
430-174-124	PIPE CULVERT, OPTIONAL MATERIAL ROUND, 24" SD	LF	4059.00
1080-24124	FURNISH 24-INCH GATE VALVES	EA	7.00
1080-24124	FURNISH 24-INCH SWING CHECK VALVES	EA	2.00
*	FURNISH AND INSTALL INJECTION WELLS AND ANCILLARY EQUIPMENT (EXCEPT GATE VALVES)	EA	6.00
4/25/0400	SUPPORT OF EXCAVATION-COFFERDAM	LS	1.00
1055-51-108	UTILITY FITTINGS, DI, FURNISH & INSTALL ELBOW, 8"	EA	40.00
120-1	REGULAR EXCAVATION	CY	8042.00
0125-3	SELECT BEDDING MATERIAL (STORM PIPE BEDDING)	CY	805.00
448-73	PUMP STATION (Pumps & Electrical)	LS	1.00
	FURNISH AND INSTALL PUMPS: FLYGT MODEL LL3602/845	EA	2.00
	FURNISH AND INSTALL CONTECH TREATMENT UNIT: MODEL CDS5653 10C	EA	2.00
	PUMP STATION ELECTRICAL	LS	1.00
0400-4-25	CONCRETE-PUMP STATION	CY	143.81
0415-1-6	MISCELLANEOUS STEEL-PUMP STATION	LB	48336.00

**PAY ITEMS NOTES:**

1. PAY ITEM MEASUREMENTS ARE PER FDOT STANDARD SPECIFICATIONS.
  2. 286-1: INCLUDES COST OF  
XXX SY BRICK DRIVEWAYS  
XXX SY GRAVEL DRIVEWAYS  
XXX SY ASPHALT DRIVEWAYS  
XXX SY CONCRETE DRIVEWAYS
  3. 448-73: INCLUDES STRUCTURAL, ELECTRICAL AND ANCILLARY EQUIPMENT
- \* REFER TO DETAIL ON SHEET PS-8A

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462



**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)**  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

SUMMARY OF PAY ITEMS

SQ-1A

SUMMARY OF DRAINAGE STRUCTURES

STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	RIM	NORTHING	EASTING	BOT.	INVERT BACK	INVERT AHEAD	INVERT LEFT	INVERT RIGHT	STREET NAME
IW-1	14+15.97	13.30	LT	Injection Well	0.79	291149.77	850543.57	-8.70					CRANE ST.
IW-2	13+36.24	13.31	LT	Injection Well	0.60	291150.18	850463.84	-8.70					CRANE ST.
IW-3	12+35.94	14.72	LT	Injection Well	0.50	291152.08	850363.54	-12.50					CRANE ST.
IW-4	11+43.75	14.71	LT	Injection Well	0.34	291152.53	850271.36	-12.50					CRANE ST.
IW-5	10+61.32	14.64	LT	Injection Well	0.55	291152.86	850188.93	-12.50					CRANE ST.
S-01	11+38.21	21.46	RT	Inlet	1.20	288859.66	850138.20	-4.03		-3.95			SHAW DR.
S-02	13+11.17	22.23	RT	Manhole	1.45	289032.45	850140.92	-4.55	-3.95		-3.98		SHAW DR.
S-03	13+11.27	11.47	RT	Manhole	1.61	289032.73	850130.17	-4.08		-4.00		-4.00	SHAW DR.
S-04	13+55.10	10.82	RT	Manhole	1.78	289076.56	850130.23	-4.22	-4.05	-4.05		-3.90	SHAW DR.
S-05	13+55.00	21.57	RT	Inlet	1.50	289076.28	850140.98	-3.98			-3.90		SHAW DR.
S-06	14+97.41	8.69	RT	Manhole	0.36	289218.89	850130.41	-6.10	-4.10	-4.10		-4.00	SHAW DR.
S-07	14+97.29	21.15	RT	Inlet	2.30	289218.56	850142.87	-3.98			-3.90		SHAW DR.
S-08	15+75.45	7.78	RT	Manhole	2.82	289296.99	850130.52	-4.97	-4.20	-4.20		-2.00	SHAW DR.
S-09	15+75.41	22.59	RT	Inlet	2.30	289296.80	850145.33	-1.98			-1.90		SHAW DR.
S-10	17+59.82	7.28	RT	Manhole	1.33	289481.43	850130.76	-5.51	-4.30	-4.30		-3.10	SHAW DR.
S-11	17+59.79	22.83	RT	Inlet	1.25	289481.41	850146.31	-3.84			-3.00		SHAW DR.
S-12	18+88.28	7.53	RT	Manhole	0.80	289609.89	850130.93	-5.96	-4.40	-4.40		-2.90	SHAW DR.
S-13	18+88.27	21.09	RT	Inlet	0.79	289609.88	850144.49	-3.97			-2.80		SHAW DR.
S-14	20+04.78	7.30	RT	Manhole	0.89	289726.36	850131.08	-6.34	-4.50	-4.50		-2.30	SHAW DR.
S-15	20+05.06	21.07	RT	Inlet	0.88	289726.59	850144.86	-4.09			-2.20		SHAW DR.
S-16	21+46.66	7.00	RT	Manhole	1.29	289868.25	850131.27	-6.80	-4.60	-4.60		-2.40	SHAW DR.
S-17	21+46.70	22.96	RT	Inlet	1.00	289868.27	850147.23	-4.08			-2.30		SHAW DR.
S-18	22+50.86	6.99	RT	Manhole	2.14	289972.45	850131.40	-7.23	-4.70	-4.70		-2.20	SHAW DR.
S-19	22+50.81	23.11	RT	Inlet	1.90	289972.38	850147.52	-4.18			-2.10		SHAW DR.
S-20	24+41.47	6.79	RT	Manhole	1.67	290163.02	850131.84	-8.05	-4.90	-4.90		-3.10	SHAW DR.
S-21	24+41.45	22.25	RT	Inlet	1.60	290162.89	850147.31	-3.08			-3.00		SHAW DR.
S-22	25+98.06	8.59	RT	Manhole	0.72	290319.64	850134.44	-8.46	-5.10	-5.10		-3.00	SHAW DR.
S-23	25+98.02	22.91	RT	Inlet	0.40	290319.58	850148.76	-2.98			-2.90		SHAW DR.
S-24	26+95.74	8.64	RT	Manhole	0.66	290417.32	850134.68	-8.30	-5.20	-5.20		-2.80	SHAW DR.
S-25	26+95.74	23.15	RT	Inlet	0.40	290417.30	850149.19	-4.38			-2.70		SHAW DR.
S-26	28+66.88	8.69	RT	Manhole	0.00	290588.45	850135.09	-9.86	-5.40	-5.40		-4.00	SHAW DR.
S-27	28+66.84	23.31	RT	Inlet	0.50	290588.37	850149.72	-4.40			-3.90		SHAW DR.
S-28	30+70.88	8.58	RT	Manhole	0.79	290792.46	850135.58	-9.45	-5.60	-5.60		-3.70	SHAW DR.

- NOTE:  
 1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.  
 2. CONFLICT MANHOLE TO BE PER F.D.O.T. INDEX NO. 425-080.

REVISIONS				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
							SUMMARY OF DRAINAGE STRUCTURES	SD-1A

SUMMARY OF DRAINAGE STRUCTURES

STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	RIM	NORTHING	EASTING	BOT.	INVERT BACK	INVERT AHEAD	INVERT LEFT	INVERT RIGHT	STREET NAME
S-29	30+70.89	22.78	RT	Inlet	0.50	290792.44	850149.78	-4.60			-3.60		SHAW DR.
S-30	31+68.23	8.51	RT	Manhole	0.69	290889.80	850135.73	-5.31	-5.70	-5.70		-3.20	SHAW DR.
S-31	31+68.17	22.60	RT	Inlet	0.35	290889.72	850149.82	-3.28			-3.20		SHAW DR.
S-32	33+26.74	8.77	RT	Manhole	0.86	291048.33	850136.20	-5.14	-5.80	-5.80			SHAW DR.
S-33	34+24.74	13.34	RT	Conflict Manhole	0.48	291146.33	850140.89	-5.52	-5.90			-5.90	CRANE ST.
S-34	10+46.95	16.30	LT	Inlet	0.30	291154.59	850174.56	-5.57		-4.90		-4.90	CRANE ST.
S-35	10+47.24	7.74	LT	Manhole	0.62	291146.03	850174.81	-5.38	-6.00	-6.00	-5.00	-3.30	CRANE ST.
S-36	10+47.42	12.20	RT	Inlet	0.40	291126.09	850174.89	-3.38			-3.30		CRANE ST.
S-37	11+31.58	16.64	LT	Inlet	0.25	291154.51	850259.20	-5.66	-4.90	-4.90		-4.90	CRANE ST.
S-38	11+28.83	7.88	LT	Manhole	0.51	291145.77	850256.40	-5.49	-5.10	-5.10	-6.10	-3.10	CRANE ST.
S-39	11+21.21	12.08	RT	Inlet	0.35	291125.85	850248.68	-3.18	-3.10	-3.10	-3.10		CRANE ST.
S-40	12+07.69	7.89	LT	Manhole	0.65	291145.39	850335.26	-5.35	-6.20	-6.20		-3.00	CRANE ST.
S-41	12+07.50	11.64	RT	Inlet	0.40	291125.86	850334.98	-3.08	-3.00	-3.00	-3.00		CRANE ST.
S-42	12+58.24	15.84	LT	Inlet	0.50	291153.09	850385.86	-5.79				-5.15	CRANE ST.
S-43	12+58.15	7.89	LT	Manhole	0.67	291145.14	850385.72	-5.33	-6.25	-6.25	-5.20		CRANE ST.
S-44	13+07.75	7.89	LT	Manhole	0.70	291144.90	850435.32	-5.30	-6.30	-6.30		-3.48	CRANE ST.
S-45	13+07.58	11.77	RT	Inlet	0.50	291125.24	850435.05	-3.56			-3.48		CRANE ST.
S-46	13+64.91	33.20	LT	Inlet	0.20	291169.92	850492.61	-8.33	-6.33	-6.33	-6.33		CRANE ST.
S-47	14+20.98	16.91	RT	Inlet	0.68	291119.54	850548.42	-6.53			-6.45		CRANE ST.
S-47A	14+32.64	16.59	LT	Manhole	0.92	291152.98	850560.25	-6.58	-6.50	-6.50	-5.68	-6.50	CRANE ST.
S-48	14+32.40	25.46	LT	Inlet	1.27	291161.85	850560.06	-5.68				-5.60	CRANE ST.
S-49	11+04.17	14.46	LT	Inlet	0.30	291241.79	850500.04	-6.31	-6.23	-6.23		-5.24	ADAMS DR.
S-50	11+02.54	18.76	RT	Inlet	0.35	291237.75	850533.05	-5.72			-5.64		ADAMS DR.
S-51	11+92.92	13.61	LT	Inlet	0.25	291331.80	850519.12	-6.21	-6.13			-5.14	ADAMS DR.
S-52	12+00.59	13.89	RT	Inlet	0.30	291330.00	850547.61	-6.18		-6.10	-6.10		ADAMS DR.
S-53	12+98.57	17.19	LT	Inlet	0.60	291430.89	850559.06	-5.48				-5.40	ADAMS DR.
S-54	12+98.22	10.88	RT	Manhole	0.89	291419.30	850584.63	-5.11	-5.99	-5.99	-5.50		ADAMS DR.
S-55	13+48.39	19.04	RT	Inlet	0.90	291463.26	850611.51	-6.02	-5.94	-5.94			ADAMS DR.
S-56	14+42.49	15.27	LT	Manhole	0.87	291562.95	850607.58	-5.13		-5.80		-5.80	ADAMS DR.
S-57	14+27.63	12.86	RT	Inlet	0.85	291541.88	850631.38	-5.93	-5.85		-5.85		ADAMS DR.
S-58	15+24.47	14.39	LT	Inlet	0.40	291641.14	850618.00	-5.76	-5.68	-5.68		-5.30	ADAMS DR.
S-59	15+29.57	7.47	RT	Inlet	0.44	291645.87	850639.94	-5.28			-5.20		ADAMS DR.
S-60	16+50.85	13.90	LT	Inlet	0.55	291767.23	850618.76	-5.73	-5.65	-5.65			ADAMS DR.

- NOTE:  
 1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.  
 2. CONFLICT MANHOLE TO BE PER F.D.O.T. INDEX NO. 425-080.

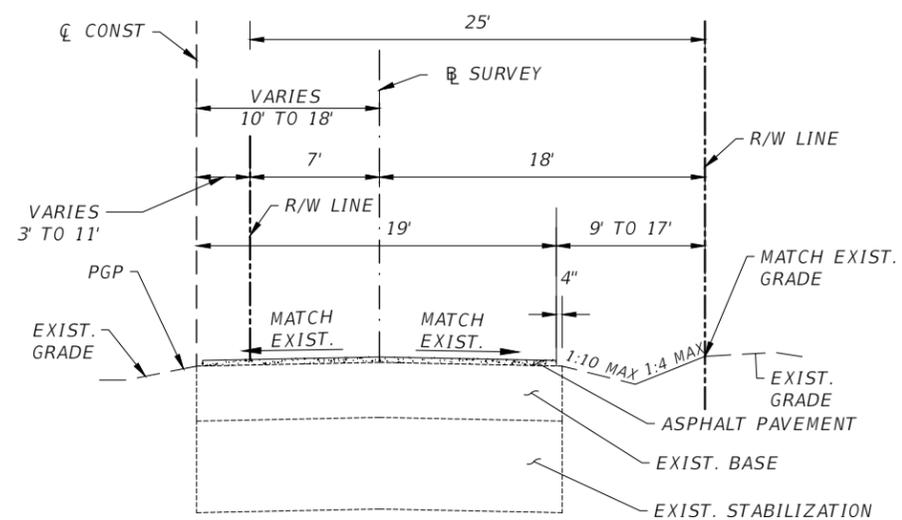
REVISIONS				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
							SUMMARY OF DRAINAGE STRUCTURES	SD-2A

SUMMARY OF DRAINAGE STRUCTURES

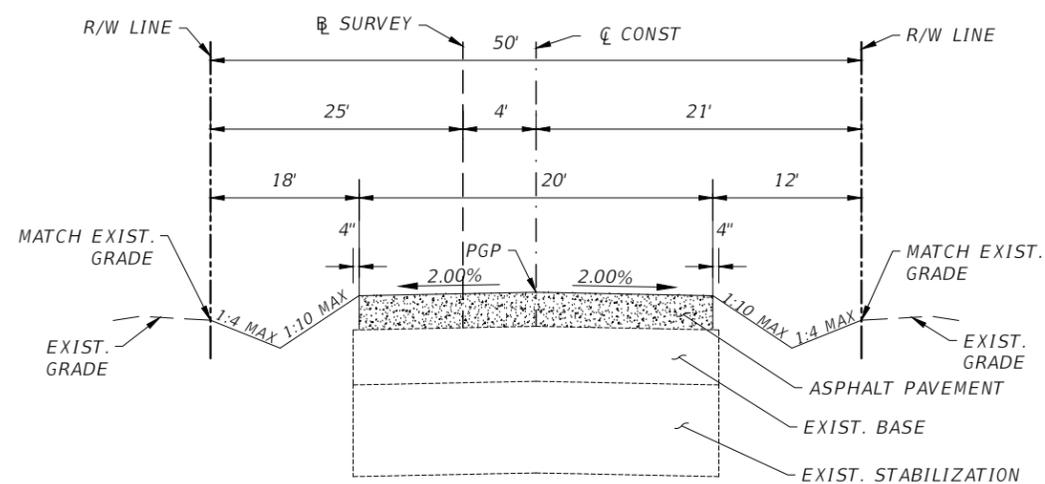
STR. NO.	STATION	OFFSET (FT)	SIDE	DESCRIPTION	RIM	NORTHING	EASTING	BOT.	INVERT BACK	INVERT AHEAD	INVERT LEFT	INVERT RIGHT	STREET NAME
S-61	17+10.32	13.86	LT	Inlet	0.65	291826.70	850618.90	-5.68	-5.60	-5.60		-5.10	ADAMS DR.
S-62	16+98.56	8.25	RT	Inlet	0.65	291814.90	850640.99	-5.08			-5.00		ADAMS DR.
S-63	17+96.82	13.79	LT	Inlet	0.70	291913.20	850619.09	-5.63	-5.55	-5.55			ADAMS DR.
S-64	19+09.45	13.02	LT	Inlet	0.60	292025.83	850620.04	-5.58	-5.50	-5.50		-4.90	ADAMS DR.
S-65	19+03.43	7.46	RT	Inlet	0.67	292019.78	850640.52	-4.88			-4.80		ADAMS DR.
S-66	20+20.34	14.43	LT	Inlet	0.40	292136.72	850618.80	-5.53	-5.45	-5.45		-4.60	ADAMS DR.
S-67	20+19.13	7.91	RT	Inlet	0.52	292135.48	850641.14	-4.58			-4.50		ADAMS DR.
S-68	21+06.37	13.73	LT	Inlet	0.50	292222.75	850619.64	-5.48	-5.40	-5.40		-4.40	ADAMS DR.
S-69	21+06.92	7.53	RT	Inlet	0.68	292223.27	850640.90	-4.38			-4.30		ADAMS DR.
S-70	21+60.77	11.86	LT	Inlet	0.55	292277.13	850621.58	-5.43	-5.35	-5.35			ADAMS DR.
S-71	22+49.99	15.77	LT	Manhole	0.70	292366.36	850617.73	-5.30	-5.30			-5.30	ADAMS DR.
S-72	22+49.45	7.99	RT	Inlet	0.97	292365.80	850641.49	-5.33		-5.25	-5.25		ADAMS DR.
S-73	23+71.79	15.14	LT	Inlet	0.40	292488.14	850618.34	-5.23		-5.15		-5.15	ADAMS DR.
S-74	23+71.88	8.16	RT	Inlet	0.95	292488.25	850641.64	-5.28	-5.20		-5.20		ADAMS DR.
S-75	24+80.10	15.44	LT	Inlet	0.65	292596.45	850617.99	-5.18	-5.10	-5.10		-4.80	ADAMS DR.
S-76	24+66.18	13.24	RT	Inlet	0.50	292582.55	850646.68	-4.78			-4.70		ADAMS DR.
S-77	25+87.74	18.18	LT	Inlet	0.35	292704.22	850615.76	-5.13	-5.05			-5.05	ADAMS DR.
S-78	25+87.11	17.62	RT	Inlet	0.35	292703.34	850651.56	-5.08			-5.00		ADAMS DR.

- NOTE:
1. INLETS AND MANHOLES TO BE PER F.D.O.T. INDEX NO. 425-001 & 425-010.
  2. CONFLICT MANHOLE TO BE PER F.D.O.T. INDEX NO. 425-080.

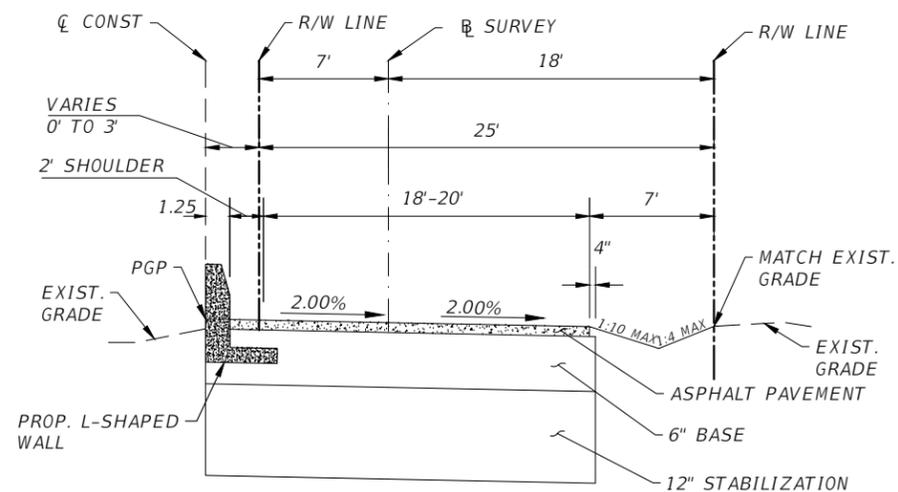
REVISIONS				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						SD-3A



TYPICAL SECTION - SHAW DR  
MILLING & RESURFACING, NTS  
STA. 10+41.40 TO STA. 24+92.00



TYPICAL SECTION - CRANE ST  
MILLING, RESURFACING & OVERBUILD, NTS  
STA. 10+00.00 TO STA. 14+66.84



TYPICAL SECTION - SHAW DR  
RECONSTRUCTION, NTS  
12" STABILIZED SUBGRADE LBR 40  
6" (GROUP 1) LIME ROCK BASE  
TYPE SP A.S STRUCTURAL COURSE ASPHALT 1"  
TYPE SP (TRAFFIC A) 1"  
STA. 24+92.00 TO STA. 34+53.82

NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING UNPAVED SHOULDER COMPOSITION PRIOR TO BIDDING. FINISH SHOULDER MATERIAL TO BE SOD OR NO 57 STONE.
  2. ALL COUNTY ROW/SWALES TO BE 2 INCH 57 STONE UNLESS SOD EXISTS. IF SOD EXISTS, REPLACE WITH BAHIA.
  3. IF SPECIALTY ROCK DRIVEWAY (FOR EXAMPLE RIVER ROCK OR GRANITE) EXIST TO THE ROAD BED, DO NOT DISTURB.
- MILLING & RESURFACING:
4. VARIABLE MILLING (0"-2")
  5. RESURFACE WITH 2" ASPHALT PAVEMENT (TYPE SP 9.5)
  6. RE-GRADE SHOULDER TO SPECIFIED CROSS SLOPES.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462



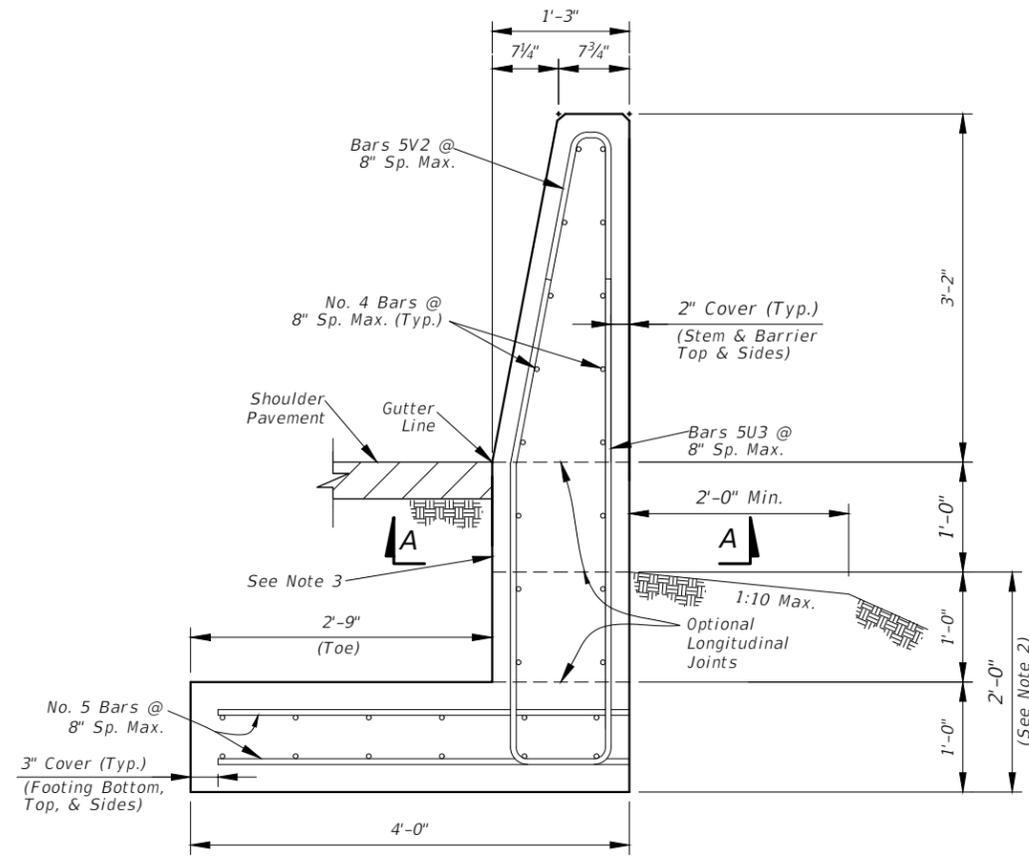
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

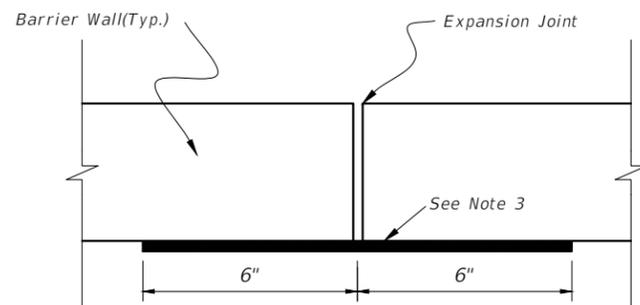
TYPICAL SECTIONS

G-2A

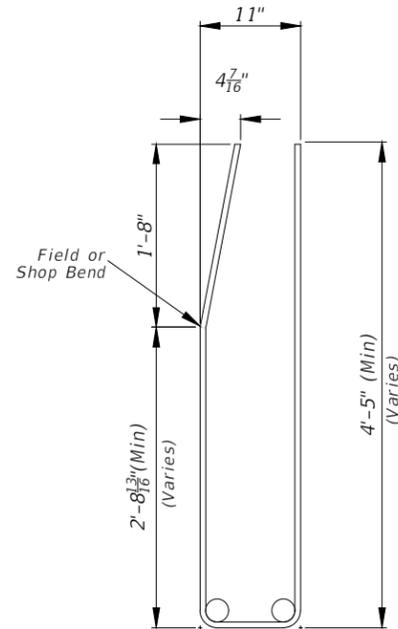




TYPICAL SECTION  
38" HEIGHT BARRIER WALL



SECTION A-A



BAR 5U3

NOTES:

1. ALL BAR DIMENSIONS IN THE BENDING DIAGRAMS ARE OUT TO OUT.
2. FOR SOIL ELEVATION BEHIND BARRIER WALL: SEE ROADWAY PROFILE SHEET RD-6A TO RD-9A.
3. ATTACH TYPE D-5 (SPECIFICATIONS SECTION 985) GEOTEXTILE FABRIC, 1'-0" WIDE AND FULL HEIGHT OF FILL TO THE TRANSVERSE EXPANSION JOINT'S VERTICAL FACE ONLY.
4. EXPANSION JOINTS: PLACE 1/2" WIDTH TRANSVERSE EXPANSION JOINTS THROUGH THE BARRIER AND FOOTING SPACED AT 100-FOOT MAXIMUM INTERVALS. ON BOTH SIDES OF EACH JOINTS, USE THE FREE END REINFORCING BAR SPACING.
5. FREE END REINFORCING: WHERE SHOWN IN PLANS, TERMINATE THE 38" HEIGHT BARRIER SECTION WITH A TRANSVERSE VERTICAL END FACE. REDUCE THE SPACING OF BARS 5V2 AND 5U3 TO 6" FOR 5 SPACES, PLACED WITH 3" COVER FROM THE BARRIER'S END FACE.
6. FOR LAP SPLICES AND ADDITIONAL INFORMATION NOT COVERED ON THIS DRAWING SEE FDOT STANDARD INDEX 521-001.
7. BARRIER CONCRETE: USE CLASS IV CONCRETE FOR ALL BARRIERS.
8. GEOTECHNICAL INFORMATION: SEE GEOTECHNICAL ENGINEERING REPORT DATED JANUARY 31, 2019.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JAVIER DIAZ VARELA, P.E.  
P.E. LICENSE NUMBER 80343  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462



SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHOULDER BARRIER DETAILS

SHEET  
NO.

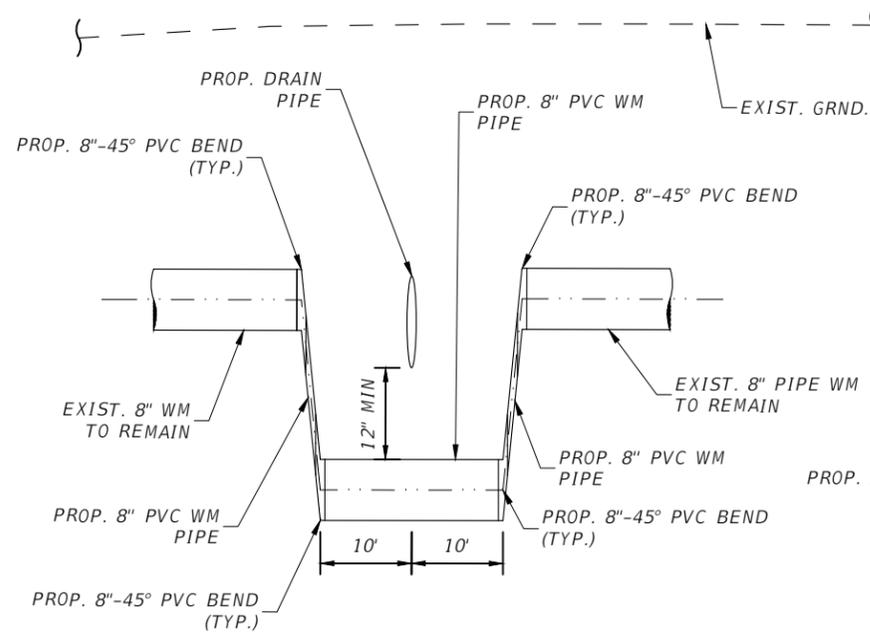
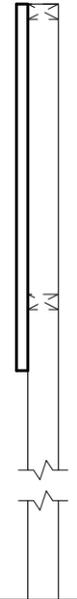
G-4A

## SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT

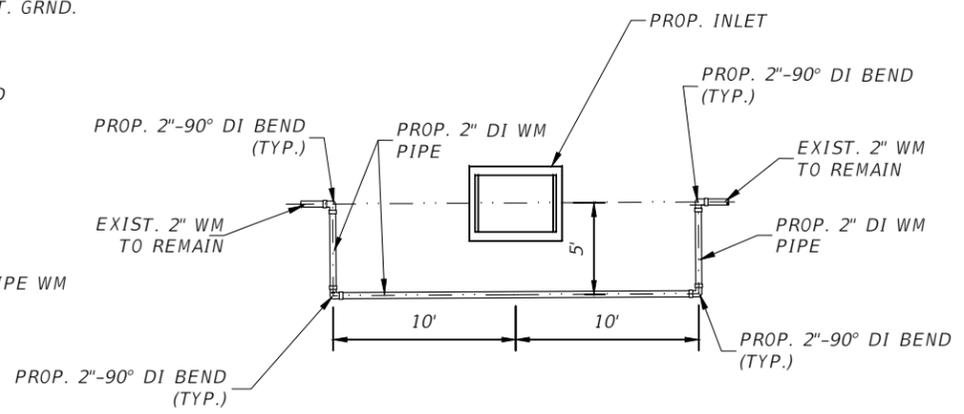
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT  
BOARD COUNTY COMMISSIONERS:

MAYOR SYLVIA MURPHY, DISTRICT FIVE MAYOR PRO TEAM DANNY KOLHAGE, DISTRICT ONE HEATHER CARRUTHERS, DISTRICT THREE DAVID RICE, DISTRICT FOUR MICHELLE COLDIRON, DISTRICT TWO	COUNTY ADMINISTRATOR: ROMAN GASTESI  CONTRACTOR:  PROJECT COST:
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PROJECT SPONSORED BY THE MONROE COUNTY BOARD OF COMMISSIONERS



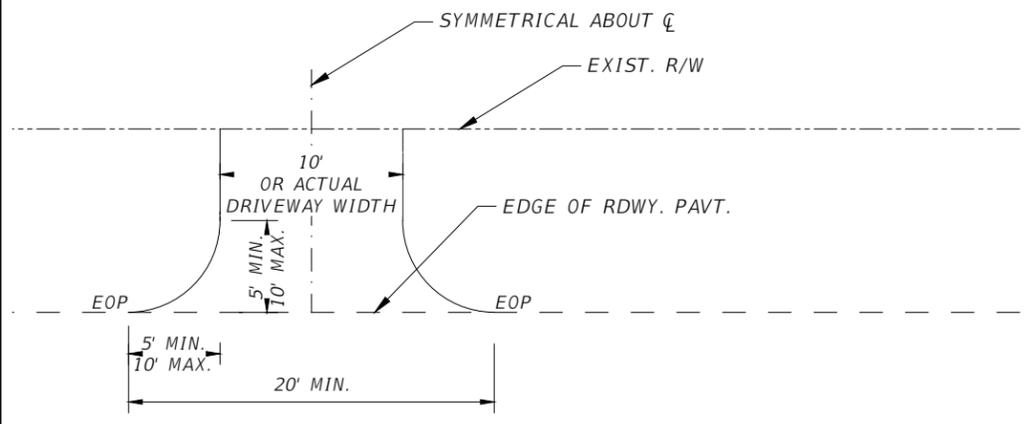
**EXISTING 8" WATER MAIN, RELOCATION DETAIL**  
PROFILE VIEW  
N.T.S.



**EXISTING 2" WATER MAIN, RELOCATION DETAIL**  
PLAN VIEW  
N.T.S.

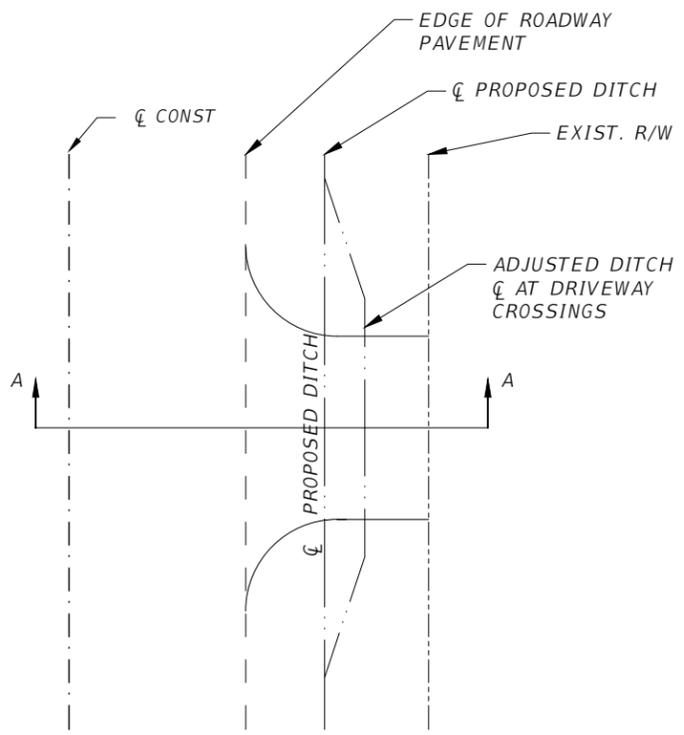
- NOTE:**
1. BOLT SIGN TO FRAME THRU 4" X 4" MEMBERS WITH WASHERS AND NUT
  2. ALL WOOD FRAMING SHALL BE PRESSURE TREATED
  3. CONTRACTOR SHALL VERIFY AL ELECTED OFFICIALS AT TIME OF BID AND UPDATE SIGN AS NEEDED.

**PROJECT SIGN**

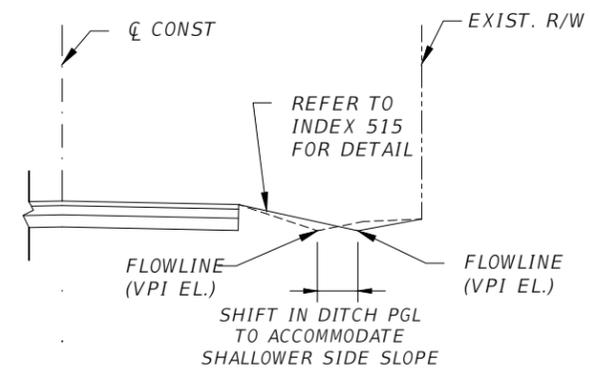


- NOTE:**
1. MATCH EXISTING DRIVEWAY PAVEMENT COMPOSITION
  2. DRIVEWAY RECONSTRUCTION SHALL BE PAID UNDER PAY ITEM FOR TURNOUT CONSTRUCTION. NEW DRIVEWAY SHALL MATCH EXISTING DRIVEWAY PAVEMENT COMPOSITION. WHERE ASPHALT DRIVEWAY IS NEEDED, THE ASPHALT COURSE SHALL BE TRAFFIC LEVEL A (1"). CONCRETE DRIVEWAYS SHALL BE MINIMUM OF 6" THICK.

**DRIVEWAY TURNOUT DETAIL**  
N.T.S.



**PLAN VIEW**  
N.T.S.



**SECTION A-A**  
N.T.S.

- NOTES:**
1. SEE TYPICAL SECTIONS FOR PROPOSED DITCH GRADING
  2. IN AREAS WHERE A SPECIAL DITCH PROFILE IS NOT PROPOSED, THE CONTRACTOR SHALL ESTABLISH THE DRIVEWAY VPI ELEVATION TO MAINTAIN DRAINAGE PATTERNS.

**DRIVEWAY CROSSING DETAIL**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462



**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)**  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

SPECIAL DETAILS

G-5A

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
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**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

PROJECT LAYOUT

G-6A

**GENERAL NOTES**

1. ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT MUST BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS ("FLORIDA GREEN BOOK"), FDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019, AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT STANDARDS. ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF MONROE COUNTY & THE ENGINEER OF RECORD.
2. CONTRACTOR RESPONSIBLE FOR DETERMINING APPROPRIATE STAGING AREA PRIOR TO BIDDING. STAGING IN RESIDENTIAL NEIGHBORHOODS ON PRIVATE PROPERTY MAY REQUIRE A LENGTHY PERMIT PROCESS. USE FDOT R/W FOR STAGING IF AVAILABLE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH PROJECT SITE & TO DETERMINE TOPOGRAPHIC OR UNDERGROUND FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION. CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO THE COUNTY AND EOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR MUST INCLUDE IN HIS/HER BID PRICE, THE COST OF RELOCATING OR REPLACING IN KIND ANY FEATURES THAT WILL BE IMPACTED DUE TO HIS/HER PROPOSED METHOD OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO EXISTING TREES, UTILITY BOXES, SIGNS, FIRE HYDRANTS, GUARDRAILS, UTILITY POLES, VALVES, ETC. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED BY MONROE COUNTY IN THE EVENT THE CONTRACTOR NEGLECTS TO ACCOUNT FOR THIS WORK IN HIS/HER BID PRICE.
4. THE CONTRACTOR SHALL CLEAR AND GRUB THE PROJECT SITE ONLY TO THE EXTENT NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS. ANY TREE REMOVAL, CANOPY TRIMMING, OR ROOT PRUNING NECESSARY FOR THE CONSTRUCTION SHALL BE PAID FOR UNDER "CLEARING AND GRUBBING", PAY ITEM 110-1-1.
5. THE CONTRACTOR SHALL SAWCUT, REMOVE AND DISPOSE OF EXISTING PAVEMENT BEYOND PROPOSED EDGE OF PAVED RETURNS (RADII) AND BEYOND PROPOSED EDGE OF DRIVEWAYS AT HIS EXPENSE.
6. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, & UTILITIES WHICH MAY OR MAY NOT BE SHOWN ON THE PLANS. ANY EXISTING STRUCTURE, PAVEMENT, TREE OR OTHER EXISTING UTILITY NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY THE CONTRACTOR, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE COUNTY.
7. IF GRADE DIFFERENCE AT THE EDGE OF THE PROPOSED PAVEMENT OCCURS, CONTRACTOR SHALL REWORK EXISTING SHOULDER WITH LIMEROCK TO MATCH THE EDGE OF PROPOSED PAVEMENT GRADE.
8. ALL POT HOLES DEEPER THAN 2" SHALL BE CLEARED OF ALL LOSE DEBRIS, TACK COATED, FILLED WITH ASPHALT AND ROLLED PRIOR TO LEVELING OVERLAY ASPHALT.
9. BASE MATERIAL EXPOSED MORE THAN 24 HOURS SHALL BE PRIMED AND COATED FOR PROTECTION.
10. PER USPS STANDARDS, THE CONTRACTOR MUST COORDINATE AND GET APPROVAL FROM RESIDENTS FOR ANY MAILBOXES IN CONFLICT WITH CONSTRUCTION TO BE MOVED BY CONTRACTOR JUST INSIDE THE RESIDENTS PROPERTY TO ALLOW MAIL DELIVERY DURING THE WORK. MAIL BOXES ARE TO BE RE-INSTALLED BY THE CONTRACTOR AT THE END OF THE CONSTRUCTION. BIDDERS SHOULD INCLUDE THIS COST IN THE MOBILIZATION BID ITEM.
11. IF THE CONTRACTOR WISHES TO ENTER INTO SEPARATE AGREEMENTS WITH PROPERTY OWNERS TO PAVE DRIVEWAYS THE PROPERTY OWNER MUST OBTAIN THE PROPER PERMIT FROM MONROE COUNTY PUBLIC WORKS DEPARTMENT BEFORE ANY SUCH PAVING IS BEGUN. THE

- CONTRACTOR IS TO SUPPLY A LIST OF ANY SUCH PROPERTY OWNER TO THE PUBLIC WORKS DEPARTMENT PRIOR TO COMPLETION OF THE PROJECT.
12. ANY NECESSARY ENCROACHMENTS OUTSIDE OF R/W SHALL BE IDENTIFIED BY THE CONTRACTOR AND NOTIFIED TO THE HOMEOWNERS WITH A 30 DAY WRITTEN NOTICE.
  13. NO LATER THAN CONCLUSION OF EACH DAY OPERATION, CONTRACTOR SHALL THOROUGHLY CLEAN SPILLED SOIL, GRAVEL OR OTHER FOREIGN MATERIAL CAUSED BY THE CONSTRUCTION OPERATIONS FROM THE STREETS AND ROADS.
  14. ALL DISTURBED STREETS, ROADS, DETOURS, OR HAUL ROADS IN THE PROJECT AREA SHALL BE TREATED AS REQUIRED, WITH WATER.
  15. THE CONTRACTOR SHALL PROVIDE ACCESS TO PROPERTY OWNERS AT ALL TIMES. POTHOLES, TRENCHES, AND OTHER CONSTRUCTION IMPACTS SHALL BE PROPERLY PLATED OR FILLED FOR ACCESS PURPOSES AND WILL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC PAY ITEM NO. 102-1.
  16. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES OPEN, UNCOVERED OR EXPOSED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES WHEN THE CONTRACTOR IS NOT WORKING.
  17. CONTRACTOR SHALL KEEP THE SITE FREE FROM DEBRIS, TRASH, & CONSTRUCTION WASTE. CONTRACTOR IS ALLOWED TO STORE MATERIAL STOCKPILED WHERE WORK IS ONGOING FOR MAX. 48 HOURS. ALL ROADS SHALL BE KEPT ACCESSIBLE TO EMERGENCY VEHICLES.
  18. CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. A WATER TRUCK SHALL BE MAINTAINED ON SITE AT ALL TIMES. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEANING AND SWEEPING IS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC.
  19. CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND/OR APPROVALS PRIOR TO THE START OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO AN NPDES NOI PERMIT & ANY OTHER ASSOCIATED PERMIT.
  20. ALL LANDSCAPED/OPEN AREAS, PAVEMENTS & OTHER AREAS IMPACTED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE COUNTY.
  21. DRIVEWAY RECONSTRUCTION SHALL BE PAID UNDER PAY ITEM FOR TURNOUT CONSTRUCTION. NEW DRIVEWAY SHALL MATCH EXISTING DRIVEWAY PAVEMENT COMPOSITION. WHERE ASPHALT DRIVEWAY IS NEEDED, THE ASPHALT COURSE SHALL BE TRAFFIC LEVEL A. CONCRETE DRIVEWAY SHALL BE A MINIMUM OF 6" THICK.
  22. IN THE EVENT CONTAMINATED MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY ADVISE MONROE COUNTY AND ENGINEER OF RECORD.
  23. ANY MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE COUNTY.
  24. GEOTECHNICAL EXPLORATIONS WERE CARRIED OUT ON THE PROJECT SITE BY TERRACON CONSULTANTS, INC. AND A REPORT DATED JANUARY 31TH 2019 WAS GENERATED. THIS REPORT IS INCLUDED AS PART OF THE PROJECT'S SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THIS REPORT & ITS RECOMMENDATIONS FOR DEALING WITH POTENTIAL SITE ISSUES. THE CONTRACTOR MUST INCLUDE AS PART OF HIS/HER BID PRICE THE RESOURCES NECESSARY TO INCORPORATE THE RECOMMENDATIONS OF THE REFERENCED REPORT.
  25. CONTRACTOR SHALL PREPARE & SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATIONS.

26. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE & FLUSH WITH EXISTING PAVEMENT.
27. ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION.
28. RADII, DIMENSIONS AND ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
29. GRADES SHOWN ARE FINISHED GRADES.
30. R/W BREAK LINES STATIONS AND OFFSETS ARE MEASURED FROM CENTERLINE OF CONSTRUCTION.
31. CONTRACTOR IS FULLY RESPONSIBLE TO RESTORE EXISTING TRAFFIC RELATED INFRASTRUCTURE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR MUST COORDINATE WITH MONROE COUNTY ENGINEERING DIVISION PRIOR TO CONSTRUCTION.
32. AN APPROVED SET OF CONSTRUCTION PLANS AND CONTRACT DOCUMENTS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING OPERATIONS.
33. CONTRACTOR SHALL PROVIDE TO THE COUNTY'S REPRESENTATIVE, PRIOR TO CONSTRUCTION OF THE PROJECT, A CERTIFICATE THE FLORIDA DEPARTMENT OF AGRICULTURE AND SERVICES DIVISION OF PLANT INDUSTRY, STATING SOD, HAY, STRAW AND MULCH MATERIALS ARE FREE NOXIOUS WEEDS INCLUDING TROPICAL SODA APPLE.
34. CONTRACTOR IS FULLY RESPONSIBLE FOR RESTORING ALL PAVEMENT MARKINGS WITH NEW STRIPING AS SHOWN ON PLANS. FINAL PAVEMENT STRIPING MUST BE THERMOPLASTIC IN ACCORDANCE WITH FDOT STANDARDS. ALL CONSTRUCTION WORK EFFORT ASSOCIATED WITH THIS ITEM MUST BE INCLUDED IN THE BID PRICE.
35. ALL ELEVATIONS ON THE PLAN & PROFILE SHEETS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD-1988).
36. ALL PUBLIC CORNERS AND PRIMARY NETWORK CONTROL SURVEY MONUMENTS ARE TO BE PROTECTED BY THE CONTRACTOR, CORNERS AND MONUMENTS WITHIN THE WORK ZONE AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH MINIMUM TECHNICAL STANDARDS OF THE BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO THE BEGINNING OF THE WORK. UPON PROJECT COMPLETION CONTRACTOR SHALL RESTORE ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO DISTRICT LOCATION SURVEYOR A SIGNED AND SEALED COPY OF THE LAND SURVEYOR.
37. THE B/L SURVEY AS SHOWN ON THE PLANS IS TO BE USED FOR REFERENCE ONLY. THE B/L SURVEY WAS PROVIDED BY LONGITUDE SURVEYORS, LLC. - EDUARDO M. SUAREZ, PSM - CERTIFICATE NO. 6313.
38. CONTRACTOR MUST COMPLY WITH ALL HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS AS STATED IN THE FLORIDA ADMINISTRATIVE CODE (F.A.C.) RULE 62-555.314.
39. CONTRACTOR WILL BE REQUIRED TO MAKE A PRE-CONSTRUCTION VIDEO FOR HIS/HER RECORDS AND SUBMIT A COPY OF THE VIDEO TO THE COUNTY AND EOR FOR THEIR RECORDS.
40. GRASSED AREAS: UNLESS OTHERWISE SPECIFIED ON CONSTRUCTION DRAWINGS, DETAILS AND SPECIFICATIONS, PROVIDE SOLID SODDING OF BAHIA WHERE PROPOSED SOD IS CALLED OUT ON THE CONSTRUCTION DOCUMENTS.
41. CONTRACTOR TO DOCUMENT IN VIDEO OR PICTURES THE CONDITIONS OF SITE AND ANY SPECIFIC AREA TO BE MODIFIED DUE TO CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE MODIFIED AREAS AS FOUND PRIOR TO CONSTRUCTION, UNLESS OTHERWISE INSTRUCTED BY THE COUNTY.

REVISIONS				ANDRES CARDONA, P.E. P.E. LICENSE NUMBER 63917 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					G-7A
							PROJECT NOTES	

**UTILITIES NOTES**

1. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL 811 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION/DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY OWNERS WITHIN THE PROJECT'S LIMITS (INCLUDING THOSE LISTED BELOW), COORDINATING AND OBTAINING PROPOSED RELOCATION/INSTALLATION SCHEDULES FOR ALL IMPACTED UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND VERIFYING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND PROPOSED LOCATIONS.
3. THE LOCATION & SIZE OF ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL ADVISE IF CONFLICTS EXIST AND PROPOSE A SOLUTION FOR EOR TO APPROVE. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT & NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
4. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO TAKE ADEQUATE MEASURES TO ENSURE SAFETY WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL, TELEPHONE & OTHER UTILITIES. PROPER COORDINATION WITH JURISDICTIONAL AUTHORITIES MUST BE UNDERTAKEN AS APPLICABLE.
5. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR TEMPORARY RELOCATION/FIELD ADJUSTMENT TO FACILITATE CONNECTION OF PROPOSED DRAINAGE SYSTEM.
6. CONTRACTOR MUST ENSURE THAT PRECISE RECORDS ARE TAKEN PRIOR TO BACKFILLING OVER UTILITIES. AS-BUILTS MUST CONFORM TO APPLICABLE STANDARDS & REQUIREMENTS STIPULATED BY THE PROJECT SPECIFICATIONS.
7. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
8. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING AND RETROFITTING ALL UTILITY INFRASTRUCTURE WITHIN THE PROPOSED ROAD IMPROVEMENTS SUCH THAT THEY ARE FLUSH WITH THE PROPOSED SURFACE AND ARE TRAFFIC RATED WHETHER THEY ARE SHOWN IN THE PLANS OR NOT. THESE TYPES OF INFRASTRUCTURE INCLUDE BUT ARE NOT LIMITED TO VALVE COVERS, MANHOLES, ETC. THESE ADJUSTMENTS AND RETROFITS MUST BE COORDINATED WITH THE OWNERS OF THE FACILITIES AND THE COSTS MUST BE INCLUDED IN THE BID PRICE. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THE ABOVE.
9. THE CONTRACTOR SHALL CUT AND PLUG EXISTING ABANDONED UTILITY IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURE. CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER PRIOR TO CUTTING THE UTILITY AND INSTALLING THE STRUCTURES, IF THE UTILITY IS A MAIN LARGER THAN 4-INCH, THE UTILITY MAY BE FILLED WITH GROUT.
10. UTILITY OWNERS:
 

FLORIDA KEYS AQUEDUCT AUTHORITY	305-295-2154
FLORIDA KEYS ELECTRIC COOPERATIVE	305-852-2431
KEY LARGO WASTEWATER TREATMENT DISTRICT	305-451-4019

**PRE-TRENCHING NOTES**

1. UTILITIES SHOWN ON THESE PLANS SHEETS ARE APPROXIMATE & ADDITIONAL UTILITIES MAY EXIST IN THE FIELD THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR MUST INCLUDE AS PART OF HIS/HER BID, AN ITEM FOR PRE-TRENCHING TO ENSURE THAT NO PORTION OF THE PROPOSED WORK CONFLICTS WITH ANY UTILITIES, PRIOR TO CONSTRUCTION. IF POTENTIAL CONFLICTS ARE FOUND, THEN THE CONTRACTOR MUST NOTIFY THE OWNER, ENGINEER & UTILITY OWNER AT LEAST SEVEN (7) DAYS ADVANCED NOTICE PRIOR TO CONSTRUCTION. THIS NOTIFICATION SHALL INCLUDE SURVEY INFORMATION ABOUT THE CONFLICTING UTILITY'S HORIZONTAL & VERTICAL ALIGNMENT. FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH PRIOR TO CONSTRUCTION IS AT HIS/HER OWN RISK & BY SO DOING RELIEVES THE OWNER & THE ENGINEER OF ANY & ALL LIABILITIES & COSTS ASSOCIATED WITH RESOLVING UTILITY CONFLICTS. IN ADDITION, NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR ANY COSTS INCURRED AS A RESULT OF FAILURE ON THE CONTRACTOR'S PART TO PRE-TRENCH.
2. EXTREME CAUTION MUST BE USED DURING ANY EXCAVATION. ALL EXCAVATIONS MUST BE SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED AS INDICATED IN THE GEOTECHNICAL REPORT'S RECOMMENDATIONS.
3. CONTRACTOR MUST UTILIZE SUBSURFACE UTILITY ENGINEERING METHODS & CORING TO DISCLOSE THE PRESENCE OF ROCK, UTILITIES & OTHER SUBSURFACE ELEMENTS NOT INDICATED ON TOPOGRAPHY SURVEY.
4. CONTRACTOR MUST ENGAGE IN CONSULTATIONS WITH IDENTIFIED UTILITY OWNERS.
5. PRE-TRENCHING DIRECTIONS TO CONTRACTOR:
  - A. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.
  - B. CONTRACTOR MUST UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATION, OR HEAVY LOADS.
  - C. CONTRACTOR MUST PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.
  - D. CONFORM TO FLORIDA'S TRENCH SAFETY ACT & OSHA REQUIREMENTS.
6. BEFORE TRENCHING OR EXCAVATION, CONTRACTOR MUST CHECK THE FOLLOWING:
  - A. SOIL CONDITIONS OR OTHER MATERIAL TO BE REMOVED.
  - B. PROXIMITY TO UTILITIES, BUILDINGS & SOURCES OF VIBRATIONS.
  - C. OWNERS OF UTILITIES, SERVICE, OR TRANSMISSION PIPING, ETC. & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.
  - D. FOR PREVIOUSLY DISTURBED GROUND.
  - E. FOR TREES, BOULDERS, OR OTHER HAZARDS.
  - F. ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.
7. DURING TRENCHING OR EXCAVATION, CONTRACTOR MUST REGULARLY CHECK

FOR THE FOLLOWING:

- A. CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.
- B. POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.
- C. ADEQUACY OF SHORING AND/OR SLOPING AS WORK PROGRESSES.
- D. MAINTENANCE OF ENTRANCE & EXIT FACILITIES.
- E. ALL SHEETING, BRACING, SHORING & UNDERPINNING.
- F. CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS
8. AFTER TRENCHING OR EXCAVATION, THE CONTRACTOR MUST CHECK FOR:
  - A. DEPTH OF TRENCHING OR EXCAVATION, ITS SLOPING & SHORING.
  - B. SLOPING OF BANKS, SIDES & WALLS 1M RELATION TO DEPTH OF CUT, WATER CONTENT OF SOIL, VIBRATIONS.
  - C. ENTRANCE & EXIT FACILITIES.
  - D. LOCATION OF HEAVY EQUIPMENT - POWER SHOVELS, DERRICK, TRUCKS.
  - E. EXCAVATION MATERIAL IS TWO FEET OR MORE FROM EDGE OF OPENING.
  - F. PORTABLE TRENCH BOXES OR TRENCH SHIELDS ARE ADEQUATE, IF USED.
  - G. CROSS BRACES OR TRENCH JACKS ARE CORRECTLY POSITIONED TO PREVENT SLIDING, FALLING OR KICKOUTS.
9. PRE-TRENCHING REQUIREMENTS CHECKLIST:
  - A. PRIOR TO EXCAVATION. THE CONTRACTOR MUST UNDERTAKE EFFORTS TO DETERMINE UNDERGROUND INSTALLATIONS SUCH AS SEWER, TELEPHONE, WATER, GAS, ELECTRIC LINES, ETC. ARE PRESENT & WHERE THEY ARE ACTUALLY LOCATED.
  - B. THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLOPING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.
  - C. THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS: DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN AND/OR WATER.
  - D. ALL SLOPES SHALL BE EXCAVATED TO AT LEAST THE ANGLE OF REPOSE EXCEPT IN AREAS WHERE SOLID ROCK ALLOWS FOR LINE DRILLING OR PRESPLITTING.
  - E. IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER, EXCAVATED OR OTHER MATERIALS SHALL BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.

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**PAVING NOTES**

1. RESURFACING OF MILLED AREAS SHALL BE COMPLETED WITHIN 3 CALENDAR DAYS OF MILLING OPERATION TO MINIMIZE POTHOLE DEVELOPMENT AND INCONVENIENCES TO MOTORING PUBLIC.
2. UNLESS OTHERWISE INDICATED, ONLY ROADWAY LANES AFFECTED BY ACTUAL CONSTRUCTION OR DAMAGED BY CONSTRUCTION EQUIPMENT SHALL BE MILLED AND RESURFACED. LANES DAMAGED BY CONSTRUCTION EQUIPMENT OR BY THE IMPROPER OPERATION OF CONSTRUCTION EQUIPMENT SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL RESTORATION SHALL COMPLY WITH THE STANDARDS AND REQUIREMENTS OF FDOT AND MONROE COUNTY.
3. CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, UTILITY ACCESS BOXES, CATCH BASINS, VALVE BOXES TO BE FLUSH WITH FINISH GRADES.
4. CONTRACTOR SHALL POST SIGNS NOTIFYING RESIDENTS OF PAVING SCHEDULE DAYS AT LEAST 48 HOURS IN ADVANCE.

**GRADING NOTES**

1. OSHA TRENCH SAFETY COMPLIANCE - THE CONTRACTOR SHALL UTILIZE TRENCH BOXES OR OTHER APPROVED MEANS TO COMPLY WITH THE FLORIDA TRENCH SAFETY ACT (FLORIDA STATUTE SECTIONS 553.60-553.63), AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARDS, 29 C.F.R.S. 1926.650 SUBPART P.
2. EXCESS EXCAVATED MATERIAL - EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE AND AUTHORIZED BY JURISDICTIONAL AUTHORITIES. CONTRACTOR MUST COMPLY WITH APPLICABLE SECTIONS OF TECHNICAL SPECIFICATIONS.
3. CONSTRUCTION DEBRIS SHALL NOT BE BURIED OR LEFT ON SITE DURING OR AFTER CONSTRUCTION. ADVERSE IMPACTS TO PROPOSED WORK OR ALREADY CONSTRUCTED WORK BY DEBRIS MUST BE AVOIDED.
4. LANDSCAPED AREAS & OTHER PERVIOUS AREAS THAT DO NOT HAVE A DEFINED DRAINAGE COLLECTION SYSTEM SHALL BE GRADED TO ENSURE POSITIVE DRAINAGE.

**MOT NOTES**

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FDOT DESIGN STANDARDS (102-600 SERIES), THE 2019 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AS MINIMUM CRITERIA.
2. THE POSTED SPEED LIMITS SHALL REMAIN AT ALL TIMES DURING CONSTRUCTION.
3. MAINTAIN ACCESS TO ALL PROPERTIES FOR EMERGENCY VEHICLES AND SOLID WASTE SERVICES.
4. MAINTAIN CLEAR DRIVEWAY ACCESS TO ALL PROPERTIES.
5. PROVIDE AND MAINTAIN ACCESS TO THE LOCAL TRAFFIC AND BUSINESSES AT ALL TIMES DURING CONSTRUCTION PER FDOT STANDARD INDEX 600.
6. THE MAINTENANCE OF TRAFFIC (MOT) PLANS FOR THE PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST PRODUCE HIS/HER OWN MOT PLANS & MUST HAVE SAID PLANS APPROVED BY OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION. RESIDENTS ACCESS TO THEIR HOMES AND ACCESS FOR EMERGENCY VEHICLES SHOULD BE PROVIDED AT ALL TIMES. THE COST ASSOCIATED WITH THIS EFFORT MUST BE REFLECTED IN THE BID. NO ADDITIONAL COMPENSATION WILL BE GRANTED BY THE COUNTY FOR MOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD. MOT PLANS THAT IMPACT US-1 SHALL BE APPROVED BY FDOT.
7. MOT PLANS SHALL INCLUDE BUT NOT LIMITED TO MESSAGE BOARDS TO INFORM DRIVERS OF CONSTRUCTION ON ROADWAY & MAINTAINING CROSSING ACCESS, ETC. CONTRACTOR IS ALSO RESPONSIBLE FOR NOTIFYING ALL SCHOOLS & EMERGENCY SERVICES WITHIN THE VICINITY OF THE PROJECT LIMITS ABOUT THE CONSTRUCTION SCHEDULE.
8. ALL WORK SHALL BE PERFORMED DURING DAY TIME ONLY 7A.M. TO 7P.M. CONTRACTOR TO COORDINATE WITH COUNTY'S REPRESENTATIVE PRIOR TO BEGIN CONSTRUCTION.

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**ENVIRONMENTAL NOTES**

**1. GENERAL ENVIRONMENTAL NOTES:**

THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE MONROE COUNTY PROJECT CEI REPRESENTATIVE AT LEAST SEVENTY TWO (72) HOURS PRIOR TO USE. STAGING AREAS ON PARCELS NEED TO BE APPROVED AND PERMITTED BY THE MONROE COUNTY BUILDING DEPARTMENT AT (305)-289-2501.

ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL DEVICES, COST TO BE INCLUDED IN THE RELATED BID ITEM.

**2. WETLANDS & OTHER SURFACE WATERS:**

THE CONTRACTOR IS ADVISED THAT WETLAND AND OTHER SURFACE WATERS (NATURAL WATER BODIES AND SIMILAR OPEN OR PARTIALLY OPEN WATER AREAS, WATERS OF THE UNTIED STATES) ARE ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL NOT IMPACT THESE WETLANDS OR PROTECTED OTHER SURFACE WATERS. WETLANDS CANNOT BE USED AS STAGING OR STOCKPILE AREAS.

THE CONTRACTOR SHALL NOT IMPACT WETLANDS ADJACENT TO THE PROJECT CORRIDOR. PRIOR TO OR AT THE TIME OF THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER TO FIELD-VERIFY THE EXTENT AND BOUNDARY OF WETLAND VEGETATION ON SITE, SILT FENCES WILL BE INSTALLED AT CONSTRUCTION AREAS ADJACENT TO WETLANDS, AND MAINTAINED IN GOOD CONDITION AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

ANY MATERIAL INADVERTENTLY PLACED IN WETLANDS OR OTHER SURFACE WATERS SHALL BE REMOVED BY HAND. ANY ACCIDENTAL DAMAGE CAUSED TO PROTECTED/PRESERVED WETLANDS AS A RESULT OF THE CONTRACTOR'S ACTIVITIES SHALL IMMEDIATELY BE REPORTED TO THE PROJECT MANAGER AND PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPROPRIATE REMEDIATION OF ANY SUCH DAMAGE IN ACCORDANCE WITH DIRECTIVES AND SPECIFICATIONS PROVIDED BY THE PROJECT MANAGER OR THE MANAGER'S DESIGNEE.

SILT FENCES SHALL NOT BE PLACED WITHIN THE LIMITS OF ANY WETLANDS OR OTHER SURFACE WATERS. IF HAY BALES ARE USED FOR EROSION CONTROL, PLACEMENT OF THESE BALES WITHIN WETLANDS SHOULD BE AVOIDED EXCEPT IN SITUATIONS WHERE LOCATION OF STAKED BALES IN WETLANDS IS ABSOLUTELY NECESSARY TO ADEQUATELY CONTROL EROSION AND TURBIDITY.

THIS PROJECT IS ADJACENT TO THE WATERS OF THE ATLANTIC OCEAN AND FLORIDA BAY, WHICH ARE DESIGNATED OUTSTANDING FLORIDA WATERS. NO DEGRADATION OF WATER QUALITY, INCREASED TURBIDITY IN THE WATER, AND/OR DISCHARGE OF ANY FOREIGN MATERIAL INTO THE WATER SHALL BE PERMITTED.

**3. PROTECTION OF LISTED SPECIES:**

VARIOUS ANIMALS DESIGNATED BY STATE AND FEDERAL AGENCIES AS ENDANGERED, THREATENED, OR SPECIES OF SPECIAL CONCERN (E.G., "LISTED SPECIES") MAY BE PRESENT IN THE GENERAL PROJECT AREA. SUCH SPECIES INCLUDE, BUT ARE NOT LIMITED TO, KEY LARGO WOODRAT (*Neotoma floridana smalli*), KEY LARGO COTTON MOUSE (*Peromyscus gossypinus allapaticola*), STOCK ISLAND TREE SNAIL (*Orthalicus reses reses*), FLORIDA TREE SNAIL (*Iliguus fasciatus*), SCHAUS' SWALLOWTAIL BUTTERFLY (*Heracles aristodemus ponceanus*), WHITE-CROWNED PIGEON (*Columba leucocephala*), SNOWY EGRET (*Egretta thula*), LITTLE BLUE HERON (*Egretta carulia*), TRICOLORED HERON (*Egretta tricolor*), WHITE IBIS (*Eudocimus albus*), BROWN PELICAN (*Pelicanus occidentalis*), ROSEATE SPOONBILL (*Platalea haliaetus*), AMERICAN CROCODILE (*Crocodylus acutus*), AMERICAN ALLIGATOR (*Alligator mississippiensis*), EASTERN INDIGO SNAKE (*Drymarchon corals couperi*), AND RIM ROCK CROWNED SNAKE (*Tantilla oolitica*). THE CONTRACTOR SHOULD BE AWARE THAT STATE AND FEDERAL REGULATIONS PROHIBIT HARMING OR HARASSING ANY LISTED SPECIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PROJECT PERSONNEL, INCLUDING SUB-CONTRACTORS, ARE AWARE OF AND ABIDE BY ALL REQUIREMENTS PERTAINING TO LISTED ANIMAL AND PLANT SPECIES. THIS RESPONSIBILITY EXTENDS TO ENSURING PROJECT PERSONNEL ARE AWARE OF AND ABIDE BY THE REQUIREMENT FOR INSPECTING VEGETATION CLEARING/TRIMMING AREAS FOR THE PRESENCE OF BIRD NESTS AND THE PROHIBITION AGAINST DAMAGING SUCH NESTS WITHOUT PRIOR APPROVAL (SEE GENERAL VEGETATION CLEARING AND TRIMMING NOTES).

IT IS OFTEN DIFFICULT FOR UNTRAINED PERSONNEL TO CORRECTLY IDENTIFY LISTED SPECIES. BECAUSE OF THIS, THE CONTRACTOR SHALL NOT HARM OR HARASS ANY ANIMAL SPECIES ENCOUNTERED DURING PROJECT CONSTRUCTION. SHOULD THESE SPECIES BE ENDANGERED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT THE MONROE COUNTY PROJECT MANAGER WITHIN 24 HOURS OF EACH ENCOUNTER.

THE FOLLOWING PRECAUTIONS WILL BE TAKEN IF AN AMERICAN CROCODILE OR AMERICAN ALLIGATOR IS ENCOUNTERED DURING CONSTRUCTION: ALL WORKERS SHALL BE NOTIFIED, THE ALLIGATOR OR CROCODILE SHALL BE ALLOWED TO LEAVE THE SITE ON ITS OWN AND SHALL NOT BE DISTURBED, HERDED, INJURED, OR KILLED. THE CONTRACTOR SHALL KEEP A DAILY LOG DETAILING ALL SIGHTINGS, INJURIES, OR KILLINGS. AFTER PROJECT COMPLETION, REPORTS SUMMARIZING THESE EVENTS SHALL BE SUBMITTED TO THE MONROE COUNTY PROJECT MANAGER. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE REQUIREMENTS REGARDING ENDANGERED OR THREATENED SPECIES. SHOULD THESE SPECIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE MONROE COUNTY PROJECT MANAGER WITHIN 24 HOURS OF EACH ENCOUNTER.

THE FOLLOWING PRECAUTIONS WILL BE TAKEN IF AN EASTERN INDIGO SNAKE IS ENCOUNTERED DURING CONSTRUCTION: ALL WORKERS SHALL BE NOTIFIED. THE SNAKE SHALL BE ALLOWED TO LEAVE THE SITE ON ITS OWN AND SHALL NOT BE DISTURBED, HERDED, INJURED, OR KILLED. FENCING SHALL NOT BE ERECTED, AS THE SNAKE MAY SUSTAIN INJURY IF IT BECOMES ENTANGLED IN THE MESH. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL AND STATE REQUIREMENTS REGARDING ENDANGERED OR THREATENED SPECIES, SHOULD THESE SPECIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE MONROE COUNTY PROJECT MANAGER WITHIN 24 HOURS OF EACH ENCOUNTER.

**4. PROTECTED HARDWOOD HAMMOCK:**

PROTECTED HARDWOOD HAMMOCK HABITAT IS LOCATED ADJACENT TO SOME AREAS OF THE PROJECT, THIS HABITAT CONTAINS PROTECTED VEGETATION AS WELL AS SEVERAL OF THE LISTED SPECIES IDENTIFIED ABOVE. THEREFORE, IT IS CRITICAL THAT THE SAME LEVEL OF PRECAUTION BE APPLIED TO AVOIDING IMPACTS TO THIS HABITAT AS MUST BE APPLIED TO PROTECTED WETLANDS.

PRIOR TO CONSTRUCTION, SILT FENCES MUST BE INSTALLED ALONG THE EDGE OF HAMMOCK VEGETATION TO REDUCE DUST FROM ENTERING THE HAMMOCK FLOOR AND TO CLEARLY DELINEATE THE AREAS THAT MUST BE AVOIDED DURING CONSTRUCTION ACTIVITIES, INCLUDING STAGING, WALKING, AND EQUIPMENT MOVEMENTS.

**5. GENERAL VEGETATION CLEARING AND TRIMMING:**

PROJECT CONSTRUCTION ACTIVITIES WITHIN THE PROJECT LIMITS OF CONSTRUCTION (LOC) MAY REQUIRE TRIMMING OF PORTIONS OF TREES AND SHRUBS THAT EXTEND INTO THE LOC FROM VEGETATION THAT IS LOCATED OUTSIDE OF BUT ADJACENT TO THE LOC. THESE TREES AND SHRUBS MUST BE PROTECTED WHERE FEASIBLE.

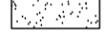
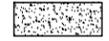
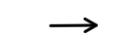
ALL TRIMMING OF NATIVE TREES AND SHRUBS, AND ANY ROOT TRIMMING OR PRUNING NECESSARY TO CONSTRUCT THE PROJECT, MUST BE CONDUCTED BY OR PERFORMED UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST, CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. COST TO BE INCLUDED IN THE RELATED BID ITEM.

THE CLEARING OR REMOVAL OF EXISTING NATIVE VEGETATION LOCATED OUTSIDE THE PROJECT LOCATION IS PROHIBITED, UNLESS OTHERWISE INDICATED IN THE PLANS. IF NATIVE VEGETATION, INCLUDING LANDSCAPING MATERIALS, LOCATED OUTSIDE SAID AREAS IS IMPACTED WITHOUT AUTHORIZATION OR TREES SPECIFIED TO BE PROTECTED IN THE PROJECT PLANS ARE IMPACTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY REPLACEMENTS. REPLACEMENT VEGETATION MUST BE APPROVED BY THE MONROE COUNTY PROJECT MANAGER OR HIS DESIGNEE. THE CONTRACTOR SHALL WARRANT THE ESTABLISHMENT AND SURVIVAL OF THE REPLACEMENT MATERIAL FOR A PERIOD OF AT LEAST ONE YEAR FOLLOWING ITS INSTALLATION.

WHERE PROJECT CONSTRUCTION REQUIRES CLEARING OR TRIMMING OF EXISTING TREES OR SHRUBS, THE CONTRACTOR SHALL FIRST HAVE A QUALIFIED BIOLOGIST THOROUGHLY INSPECT THE AREA TO BE IMPACTED FOR THE PRESENCE OF LISTED SPECIES AND/OR BIRD NESTS. THIS INSPECTION SHALL BE CONDUCTED NO SOONER THAN ONE WEEK PRIOR TO STARTING THE VEGETATION CLEARING/TRIMMING ACTIVITIES IN A PARTICULAR PORTION OF THE PROJECT. SHOULD PRESENCE OF A LISTED SPECIES OR A BIRD'S NEST BE ENCOUNTERED, THE QUALIFIED BIOLOGIST SHALL MARK THE LOCATION AND IMMEDIATELY NOTIFY THE MONROE COUNTY PROJECT MANAGER (OR MANAGER'S DESIGNEE). NO CLEARING OR TRIMMING OF EXISTING TREES OR SHRUBS SHALL BE CONDUCTED WITHIN FIFTY (50) FEET OF AN IDENTIFIED LISTED SPECIES OR NEST UNTIL THE MONROE COUNTY PROJECT MANAGER (OR MANAGER'S DESIGNEE) NOTIFIES THE CONTRACTOR THAT WORK CAN PROCEED IN THIS BUFFER AREA.

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**LEGEND**

	RIGHT OF WAY
	PROPERTY LINE
	PROP. CATCH BASIN
	PROP. MANHOLE
	MILLING & RESURFACING
	MILLING, RESURFACING & OVERBUILD
	RECONSTRUCTION
	PALM TREE
	TREE
	ORNAMENTAL TREE
	FIRE HYDRANT
	WATER VALVE
	VALVE
	SANITARY MANHOLE
	SANITARY VALVE
	UTILITY POLE
	MAILBOX
	SIGN
	SPOT ELEV./RIM ELEV.
	HIGH POINT ELEV.
	RUNOFF DIRECTION OF FLOW
	RUNOFF DIRECTION OF FLOW AT EOP

**ABBREVIATIONS**

ABND	ABANDONED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIAL
AVE	AVENUE
BL/℄	BASELINE
CB	CATCH BASIN
CL/℄	CENTERLINE
E	EASTING
EL./ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EOR	ENGINEER OF RECORD
EXIST	EXISTING
FT	FEET
HP	HIGH POINT
HORIZ	HORIZONTAL
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING-NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
OE	OVERHEAD ELECTRICAL
PC	POINT OF CURVATURE
PGL	PROFILE GRADE LINE
PGP	PROFILE GRADE POINT
PI	POINT OF INTERSECTION
PROP	PROPOSED
PT	POINT
RAD/R	RADIUS
RT	RIGHT
R/W	RIGHT OF WAY
SAN/SS/S	SANITARY SEWER
SD	STORM DRAINAGE
STA	STATION
STD	STANDARD
T.B.M.	TEMPORARY BENCH MARK
TOP	TOP OF PIPE
TYP	TYPICAL
VERT	VERTICAL
WM	WATERMAIN

**APPLICABLE CODES AND STANDARD SPECIFICATIONS:**

1. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS FY 2019-20.
2. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS, 2019.
3. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (FLORIDA GREENBOOK), 2018.
4. MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009.
5. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
6. SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD).
7. U.S. ARMY CORPS OF ENGINEERS (USACOE).

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THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS: 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 SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY

THE PROJECT CONSIST OF MILLING, RESURFACING, OVERBUILD & RECONSTRUCTION OF THE STREETS DETAILED BELOW IN MONROE COUNTY, FLORIDA. THIS INVOLVES SWALE REGRADING AND UNDERGROUND STORMDRAIN SYSTEMS FOR STORMWATER MANAGEMENT.

- 1. KEY LARGO
  - SHAW DRIVE
  - CRANE STREET
  - ADAMS DRIVE

1.A. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

1.A.1. PERMANENT OR TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICE. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHALL BE THE PLACEMENT OF TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT, THE INITIAL WORK AREA, & OTHER AFFECTED AREAS TO PREVENT STORM WATER POLLUTION. CLOSE ATTENTION SHALL BE PAID TO THE MANGROVES AND WETLAND AREAS ADJACENT TO SHAW DRIVE.

1.A.2. CONFORMANCE WITH SWPPP DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES TO PROTECT ADJACENT PROPERTIES, FEATURES & NATURAL ENVIRONMENT FROM THE POSSIBLE DAMAGE IMPACT THAT MAY ARISE AS A RESULT OF THE CONSTRUCTION.

1.A.3. CONTRACTOR SHALL INSTALL PERIMETER POLLUTION PREVENTION CONTROLS AFTER CLEARING & GRUBBING BUT BEFORE BEGINNING OTHER CONSTRUCTION PHASES. CONTRACTOR SHALL REMOVE PERIMETER CONTROLS ONLY AFTER ALL AREAS HAVE BEEN STABILIZED.

1.A.4. MODIFICATIONS OR CHANGES TO THE INFORMATION DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN MUST BE SUBMITTED THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR APPROVAL.

1.A.5. IF ADDITIONAL EROSION & SEDIMENT CONTROL BMP'S ARE REQUESTED BY ANY REGULATORY AGENCY, THE CONTRACTOR SHALL PROMPTLY IMPLEMENT SAID MEASURES AFTER APPROVAL OF EOR/JURISDICTIONS.

1.A.6. CONTRACTOR SHALL MEET THE MAINTENANCE REQUIREMENTS AS INDICATED IN SECTION 2.0 CONTROLS.

1.A. AREA ESTIMATES

TOTAL SITE AREA: 3.9 ACRES  
TOTAL AREA TO BE DISTURBED: 2.1 ACRES

1.B. RUNOFF DATA:

RUNOFF COEFFICIENTS: THE OVERALL RUN-OFF COEFFICIENT IS 0.65

1.C. SOILS DATA:

ORGANIC PEAT:  
FROM 0 TO 9FT  
LIGHT BROWN LIMESTONE WITH FINE SAND:  
FROM 9FT TO 14FT (MAX DEPTH OF THE BORINGS)

RECEIVING WATER BODIES INFORMATION:

THERE ARE NO RECEIVING WATER BODIES AFFECTED DIRECTLY UNDER THIS PROJECT.

1.D. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

- APPROXIMATE SLOPES: THE SLOPES OF THE SITE ARE TO REMAIN AS EXISTING OR AS SHOWN IN PLANS. ANY INCIDENTAL REGRADING WILL HAVE POSITIVE DRAINAGE INTO THE PROPOSED STORM DRAIN SYSTEMS.
- AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE CONSTRUCTION PLANS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
- AREAS NOT TO BE DISTURBED; ROADSIDE AREAS WHERE MILLING AND RESURFACING OCCUR WILL NOT BE DISTURBED UNLESS PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND.
- LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE CONSTRUCTION PLANS. THE CONTRACTOR'S EROSION CONTROL SHEETS MAY PROVIDE EXCEPTIONS FOR THE CONTROLS ASSOCIATED WITH CONSTRUCTION AREAS.
- LOCATIONS OF PERMANENT CONTROLS; THESE ARE SHOWN ON THE CONSTRUCTION PLANS.
- SURFACE WATERS: THERE ARE NO SURFACE WATERS WITHIN THE ROADWAY WORK PROPOSED SINCE THE WORK IS LIMITED TO WITHIN THE EXISTING ROADWAY RIGHT-OF-WAYS.
- DISCHARGE POINTS TO SURFACE WATERS:  
REFER TO ITEM I.E.  
EXISTING WETLANDS ARE FOUND ADJACENT TO THE WEST SIDE OF SHAW DRIVE.

2.0 CONTROLS

2.A POLLUTION PREVENTION CONTROLS.

THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF EFFECTIVE POLLUTION PREVENTION MEASURES TO ACCOMPLISH ALL OF THE FOLLOWING:

2.A.1 MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. TREAT WASH WATERS A TREATMENT SYSTEM SO THAT THEY DO NOT CAUSE OR CONTRIBUTE OR VIOLATIONS OF WATER QUALITY STANDARDS.

2.A.2 MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER.

2.A.3 MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS; AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES.

2.A.4 CONTROL WASTES, SUCH AS DISCARDED MATERIALS. CHEMICALS, LITTER, AND SANITARY WASTE. IN ACCORDANCE WITH ALL APPLICABLE STATE, LOCAL, AND FEDERAL REGULATIONS.

2.A.5 LIMIT THE APPLICATION, GENERATION, AND MIGRATION OF TOXIC SUBSTANCES; AND PROPERLY STORE AND DISPOSE OF TOXIC MATERIALS.

2.B EROSION AND SEDIMENT CONTROLS.

THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, INSTALLATION, IMPLEMENTATION, AND MAINTENANCE OF APPROPRIATE EROSION AND SEDIMENT CONTROLS TO ACCOMPLISH ALL OF THE FOLLOWING

2.B.1 CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE SOIL EROSION.

2.B.2 CONTROL STORMWATER PEAK DISCHARGE RATES AND VOLUME TO AVOID EROSION AT VEGETATED AREA ON THE WEST SIDE OF SHAW DRIVE.

2.B.3 MINIMIZE THE AMOUNT OF SOIL EXPOSED DURING THE CONSTRUCTION ACTIVITY. EROSION AND SEDIMENT CONTROLS SHALL PROVIDE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF APPROPRIATE EROSION AND SEDIMENT.

2.B.5 MINIMIZE THE DISTURBANCE OF STEEP SLOPES. MINIMIZE SEDIMENT DISCHARGES FROM THE SITE. THE DESIGN, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS SHALL ADDRESS FACTORS SUCH AS THE AMOUNT, FREQUENCY, INTENSITY, AND DURATION OF PRECIPITATION; THE NATURE OF THE RESULTING STORMWATER; AND SOIL CHARACTERISTICS, INCLUDING THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON THE SITE.

2.B.6 MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS ONTO PAVED SURFACES AND THE GENERATION OF DUST. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.

2.B.7 WHERE FEASIBLE, DIRECT STORMWATER TO VEGETATED AREAS TO INCREASE SEDIMENT REMOVAL EXCEPT AS INDICATED IN 2.B.2., TO PROVIDE AND MAINTAIN NATURAL BUFFERS ADJACENT TO SURFACE WATERS OF THE STATE.

2.B.8 MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.

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2.C SEDIMENT BASINS

2.C.1 AT A MINIMUM, SILT FENCES OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDESLOPE AND DOWNSLOPE BOUNDARIES OF THE CONSTRUCTION AREA.

2.D.MAINTENANCE REQUIREMENTS:

2.D.1 THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES THAT WILL BE FOLLOWED TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROLS, STORMWATER MANAGEMENT PRACTICES, AND OTHER PROTECTIVE MEASURES AND BMPs SO THEY WILL REMAIN IN GOOD AND EFFECTIVE OPERATING CONDITION.

2.D.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE REPAIRS OF EROSION & SEDIMENT CONTROL/SWPPP DEVICES PER THE FDOT STANDARD SPECIFICATION FOR ROAD & BRIDGE CONSTRUCTION (CURRENT EDITION). THE MAINTENANCE OF THESE DEVICES SHALL OCCUR UNTIL THE COUNTY'S REPRESENTATIVE ESTABLISHES AREAS AS PERMANENTLY STABILIZED. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AFTER COMPLETION OF THE PROJECT.

2.D.3 EROSION & SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED BY THE CONTRACTOR TO PERFORM THE INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

2.D.4 THE CONTRACTOR SHALL MONITOR ALL POLLUTION CONTROL DEVICES TO ENSURE SUFFICIENT CONVEYANCE OF STORMWATER RUNOFF & TO ELIMINATE SOIL EROSION DURING CONSTRUCTION.

2.D.5 CONTRACTOR SHALL COVER LOADED TRUCKS WITH TARPAULINS.

2.D.6 CONTRACTOR SHALL REMOVE EXCESS DIRT FROM WORK SITE ON A DAILY BASIS.

2.D.7 BUILT-UP SEDIMENT WILL BE REMOVED FROM THE STAKED SILT FENCE WHEN IT REACHES ONE-THIRD OF THE FENCE BARRIER OR WHENEVER FLOW IS IMPEDED,

2.D.8 AT NO TIME SHOULD SEDIMENTS BE ALLOWED TO ACCUMULATE WITHIN DRAINAGE STRUCTURE & CONVEYANCE PIPELINES. STRUCTURES & PIPELINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

2.D.9 STOCKPILE OF EARTH & OTHER CONSTRUCTION RELATED MATERIAL SHALL BE PROTECTED AGAINST ACCIDENTAL TRANSPORTATION FROM PROJECT SITE BY WIND & WATER FLOW.

2.D.10 ALL STORM DRAINAGE SYSTEMS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT WATER CANNOT GAIN ENTRY INTO THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHER WISE TREATED TO REMOVE SEDIMENTS.

3.0 OTHER CONTROLS

THE FOLLOWING NON-STORMWATER DISCHARGES ARE PROHIBITED:

3.A WASTEWATER FROM WASHOUT OF CONCRETE

3.B WASTEWATER FROM WASHOUT CONCRETE AND CLEANOUTS OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.

3.C FUELS, OILS, OR OTHER POLLUTANTS ASSOCIATED WITH VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.

3.D SOAPS OR SOLVENTS USED IN VEHICLE OR EQUIPMENT WASHING OR CLEANING.

3.E THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, SUCH OCCURRENCES MUST BE REPORTED IMMEDIATELY TO THE ENGINEER AND OWNERS REPRESENTATIVE.

4.0 INSPECTIONS.

AN INSPECTOR QUALIFIED IN ACCORDANCE WITH PART 11.12. OF DEP DOCUMENT EFFECTIVE FEBRUARY 17, 2009, INCORPORATED BY REFERENCE IN PARAGRAPH F.A.C., (PROVIDED BY THE OWNER OR OPERATOR) SHALL PERFORM ALL REQUIRED SITE INSPECTIONS. SITE INSPECTIONS MUST INCLUDE ALL POINTS OF DISCHARGE INTO SURFACE WATERS OR AN MS4; DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED; AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; STRUCTURAL CONTROLS; AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. SITE INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. INSPECTIONS SHALL INCLUDE:

4.A DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT MEASURES ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS, INCLUDING RETAINING SEDIMENT ONSITE PURSUANT TO RULE 62-40.432, F.A.C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

4.B BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPs, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF NEEDED, POLLUTION PREVENTION CONTROLS, BMPs, AND MEASURES IDENTIFIED IN THE PLAN SHALL BE REVISED AS NECESSARY TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMPs, PRACTICES, OR MEASURES IDENTIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN. SUCH REVISIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

4.C A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION; NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION; THE DATE(S) OF THE INSPECTION; RAINFALL DATA; MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN; AND ACTIONS TAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PERMIT, SHALL BE MADE AND RETAINED AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

5.0 WETLANDS.

5.A CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCE ON

ADJACENT WETLANDS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES.

5.B CONTRACTOR SHALL STABILIZE NEWLY CONSTRUCTED SLOPES ON ADJACENT WETLANDS TO PREVENT EROSION AND TURBIDITY, AND ALSO STABILIZE DISTURBED AREAS IMMEDIATELY AFTER FINAL GRADE HAS BEEN ATTAINED OR DURING INTERIM PERIODS OF INACTIVITY RESULTING FROM CONSTRUCTION DELAYS.

6.0 PERMITS

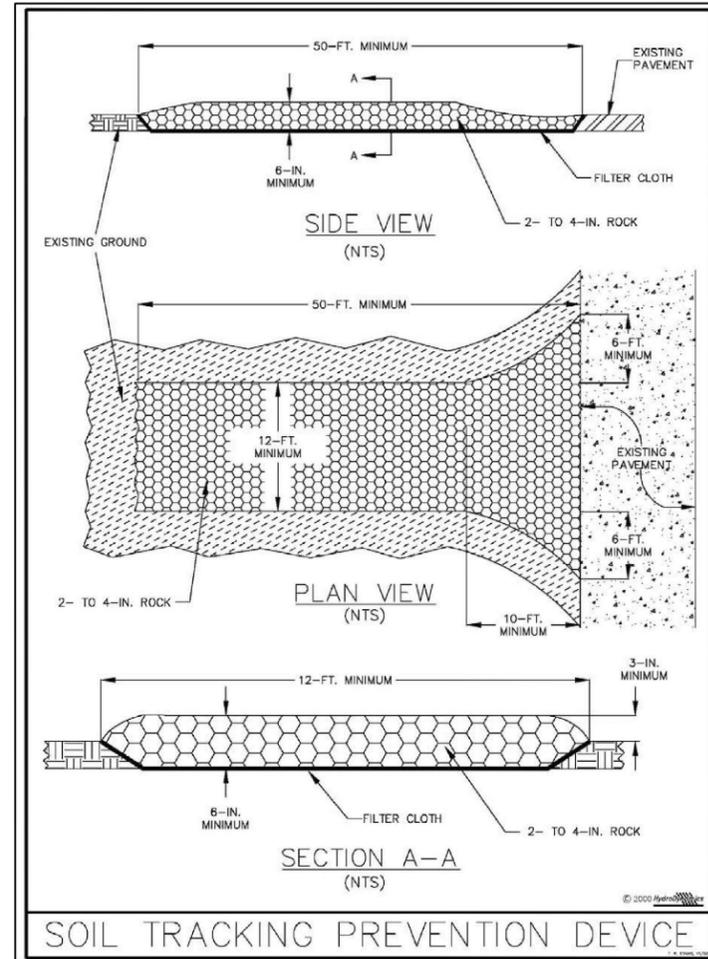
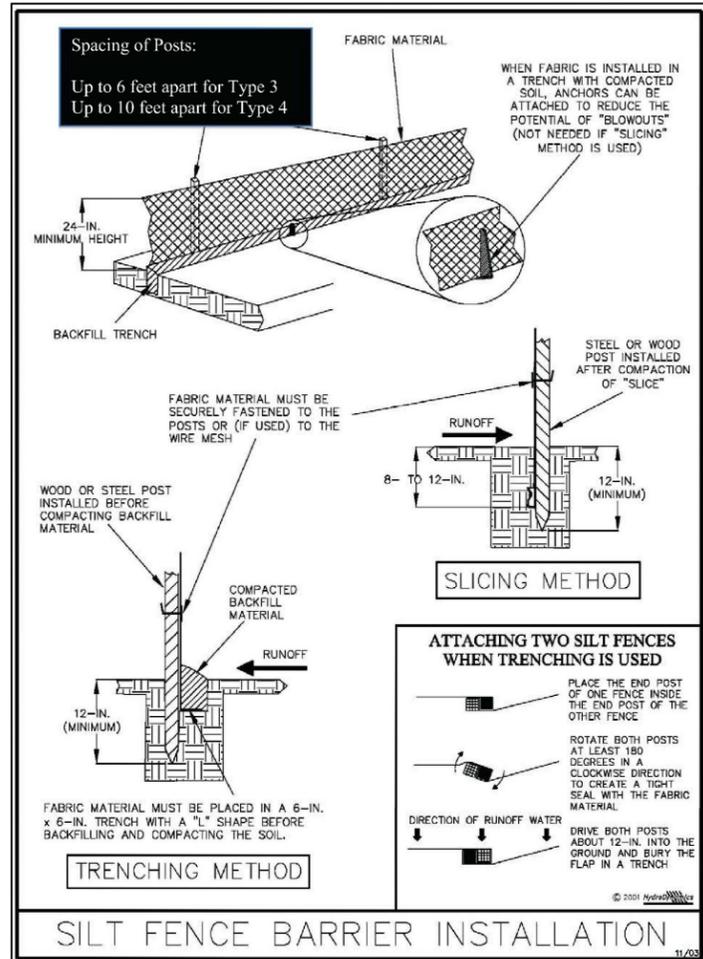
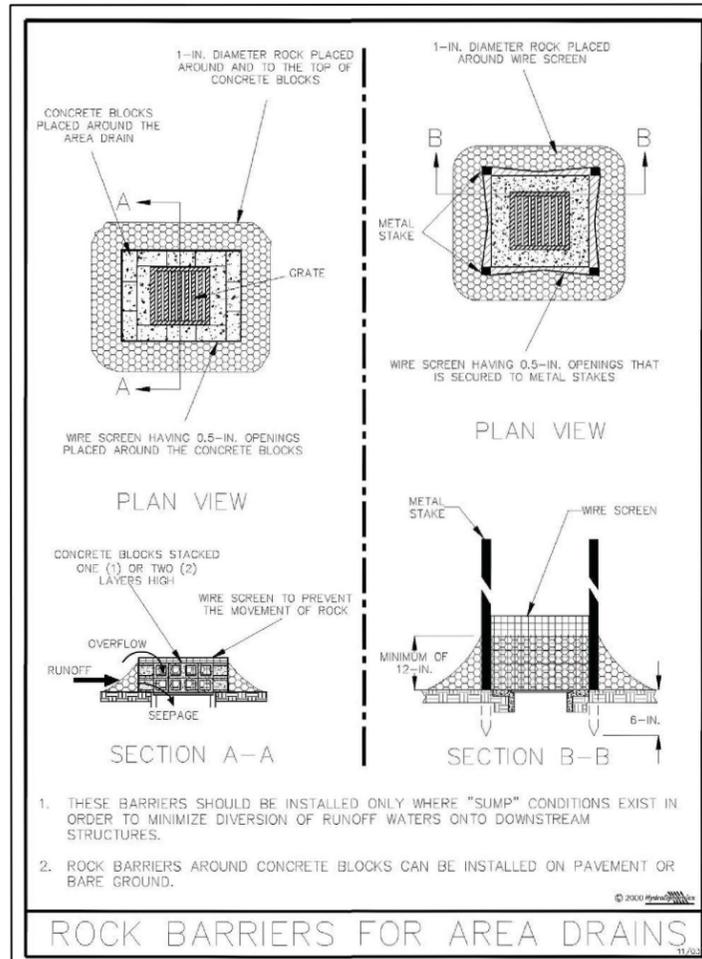
CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN NPDES STORMWATER PERMIT COVERAGE BY SUBMITTING THE FOLLOWING TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).

6.A PREPARE AND SUBMIT A CGP NOTICE OF INTENT (NOI) (DEP DEVELOP AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IN PART, THE PLAN MUST INCLUDE THE FOLLOWING:

- A SITE EVALUATION OF HOW AND WHERE POLLUTANTS MAY BE MOBILIZED BY STORMWATER.
- A SITE PLAN FOR MANAGING STORMWATER RUNOFF.
- IDENTIFICATION OF APPROPRIATE EROSION AND SEDIMENT CONTROLS AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs) TO REDUCE EROSION, SEDIMENTATION, AND STORMWATER POLLUTION.
- A MAINTENANCE AND INSPECTION SCHEDULE.
- A RECORDKEEPING PROCESS.
- IDENTIFICATION OF STORMWATER EXIT AREAS.

PREPARE AND SUBMIT A NOTICE OF TERMINATION (NOT) (DEP FORM 62-621.300(6) IN ORDER TO DISCONTINUE PERMIT COVERAGE. ALSO AN NOT MAY BE SUBMITTED ONLY WHEN THE SITE MEETS THE ELIGIBILITY REQUIREMENTS FOR TERMINATION SPECIFIED IN THE CGP.

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DATE	DESCRIPTION	DATE	DESCRIPTION					
							STORM WATER POLLUTION PREVENTION PLAN	SW-2A



REVISIONS			
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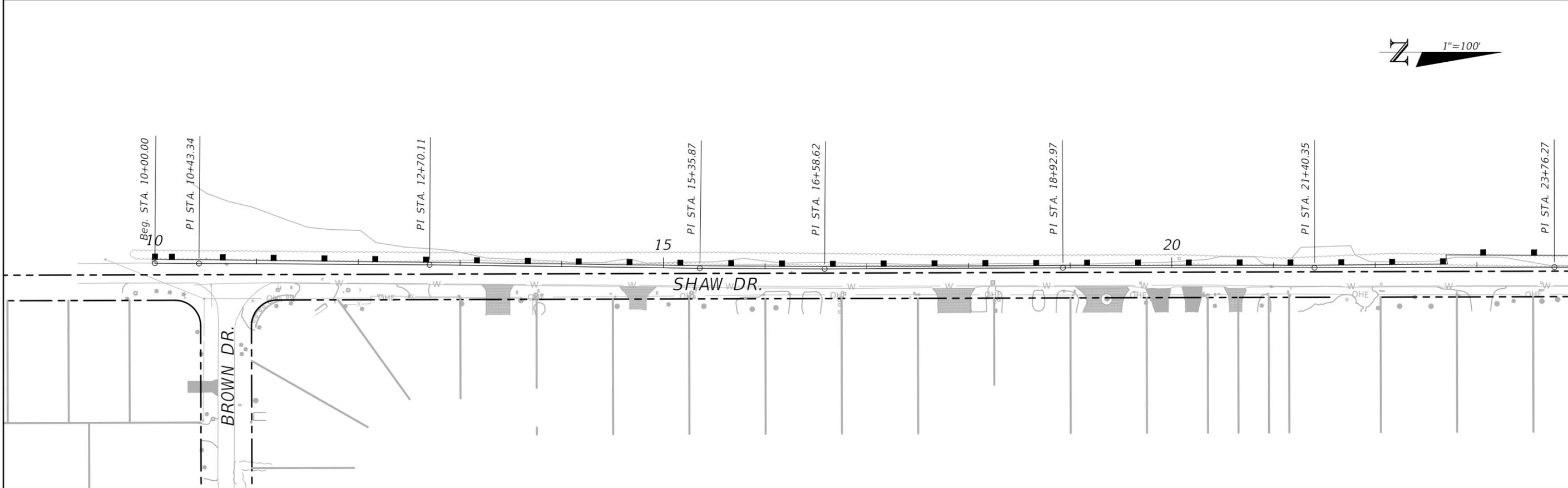
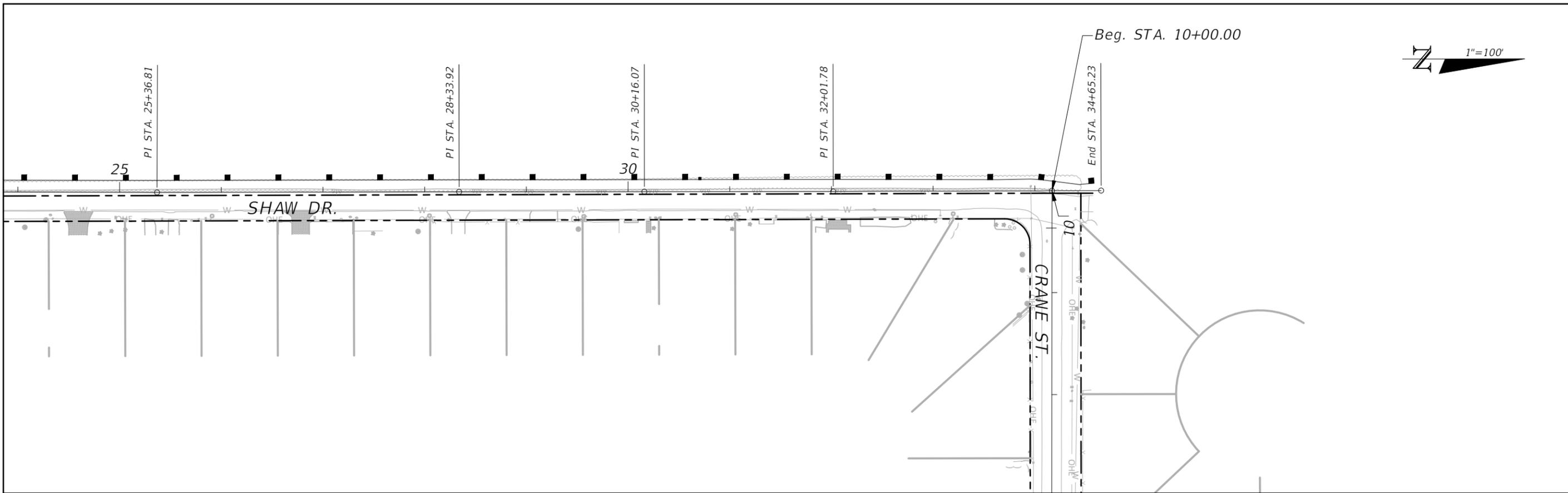


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
SW-3A

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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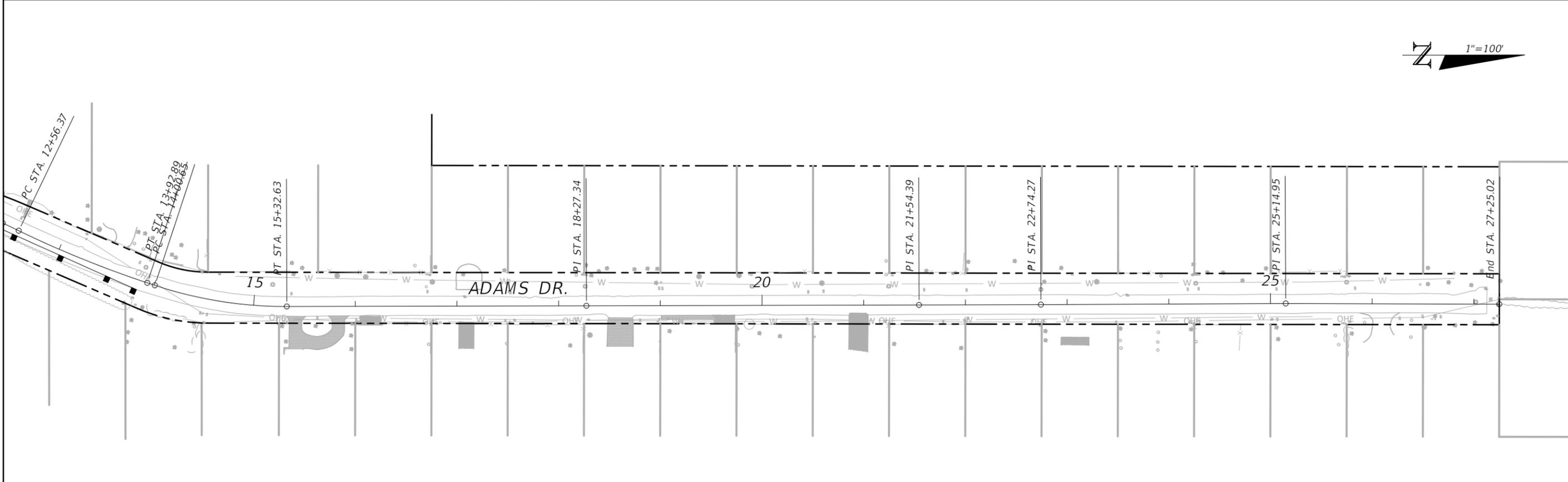
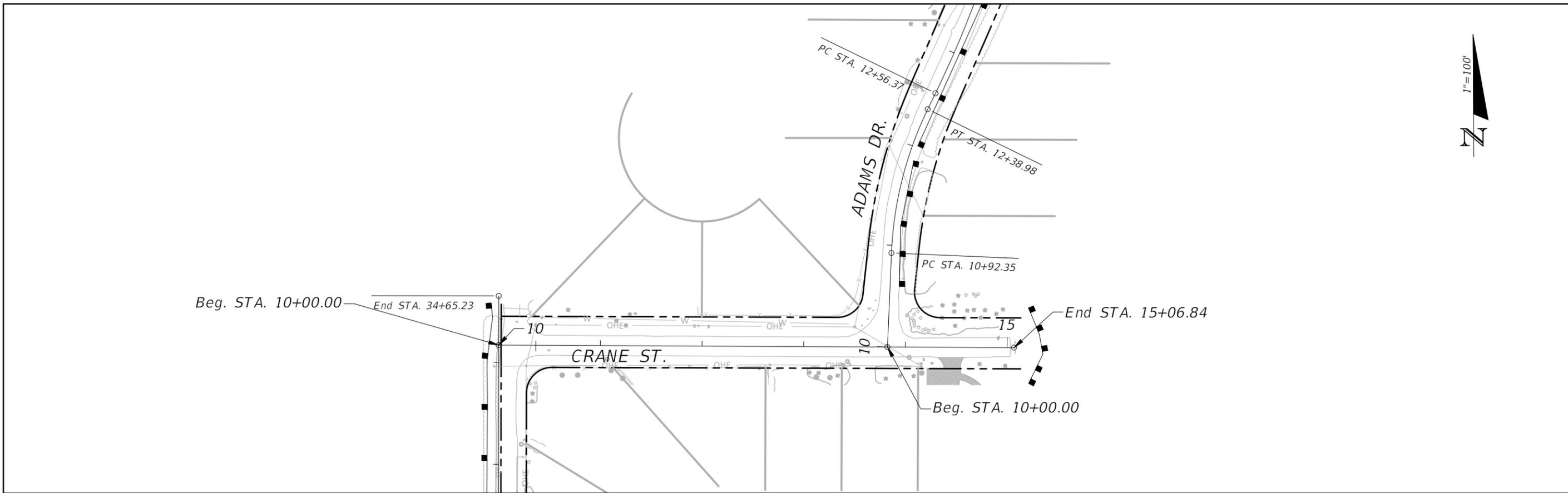


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN

SHEET NO.  
 SW-4A

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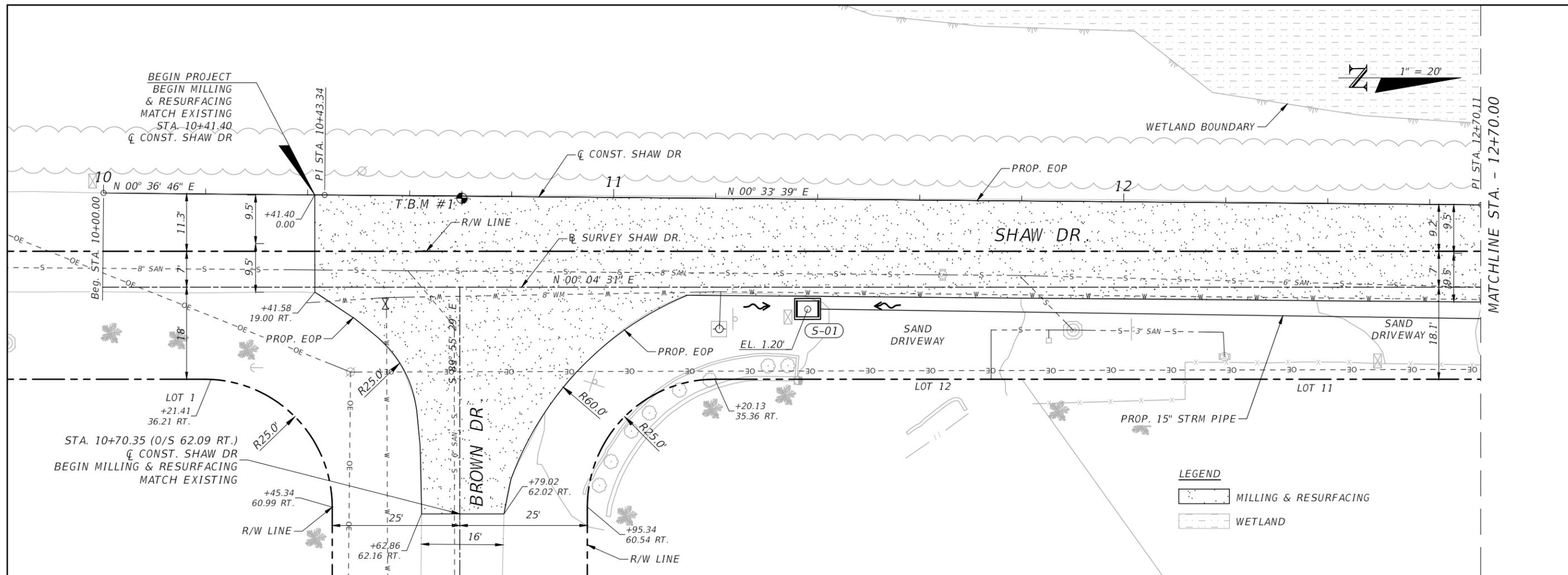


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

**STORM WATER POLLUTION PREVENTION PLAN**

SHEET NO.  
 SW-5A

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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (SHAW DR)

SHEET NO.  
 RD-1A

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MATCHLINE STA. - 12+70.00

PI STA. 12+70.11

13

14

15

PI STA. 15+35.87

MATCHLINE STA. - 15+40.00

WETLAND BOUNDARY

PROP. 15" STRM PIPE

PROP. EOP

CONST. SHAW DR

PROP. 24" STRM PIPE

PROP. 24" STRM PIPE

9.5'

9'

7'

5.3'

9.5'

7'

9.5'

18'

18'

HP EL. 2.60'

WETLAND

MILLING & RESURFACING

R/W LINE

S-03

S-04

S-06

PROP. 15" STRM PIPE

SURVEY SHAW DR.

N 00° 55' 57" E

N 00° 04' 31" E

SAND PARKWAY

EL. 1.45'

S-02

BRICK DRIVEWAY

LOT 10

R/W LINE

PROP. 24" STRM PIPE

EL. 1.50'

S-05

PROP. EOP

SAND PARKWAY

LOT 9

BRICK DRIVEWAY

PROP. 18" STRM PIPE

EL. 2.30'

S-07

LEGEND

MILLING & RESURFACING

WETLAND

EXIST. GROUND AT PGL

7.39

4

2

0

MILLING & RESURFACING

MHW = -0.545

SCALE

1" = 20' HORIZONTAL

1" = 2' VERTICAL

12+80

13+00

13+20

13+40

13+60

13+80

14+00

14+20

14+40

14+60

14+80

15+00

15+20

15+40

REVISIONS

DATE

DESCRIPTION

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ANDRES CARDONA, P.E.

P.E. LICENSE NUMBER 63917

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SUITE 300, MIAMI, FLORIDA 33126

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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)

MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (SHAW DR)

SHEET NO.

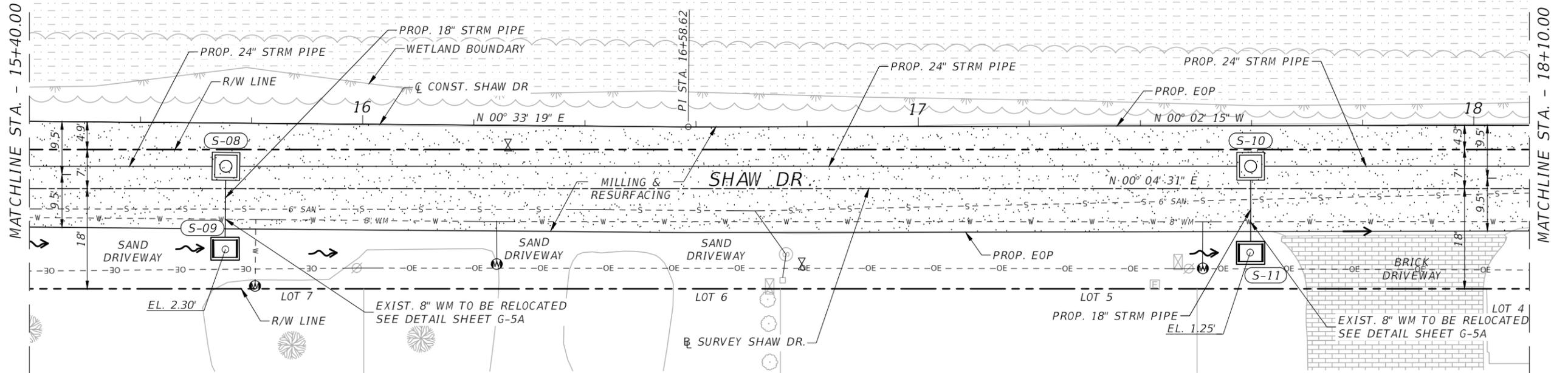
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Galvan De Lima, Elias

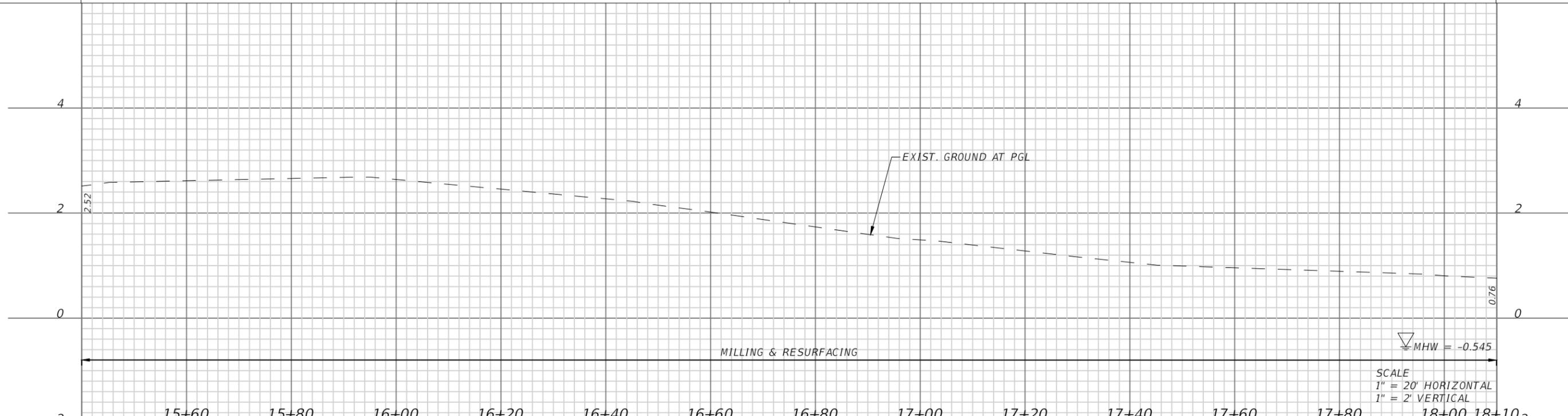
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**LEGEND**  
 MILLING & RESURFACING  
 WETLAND



SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
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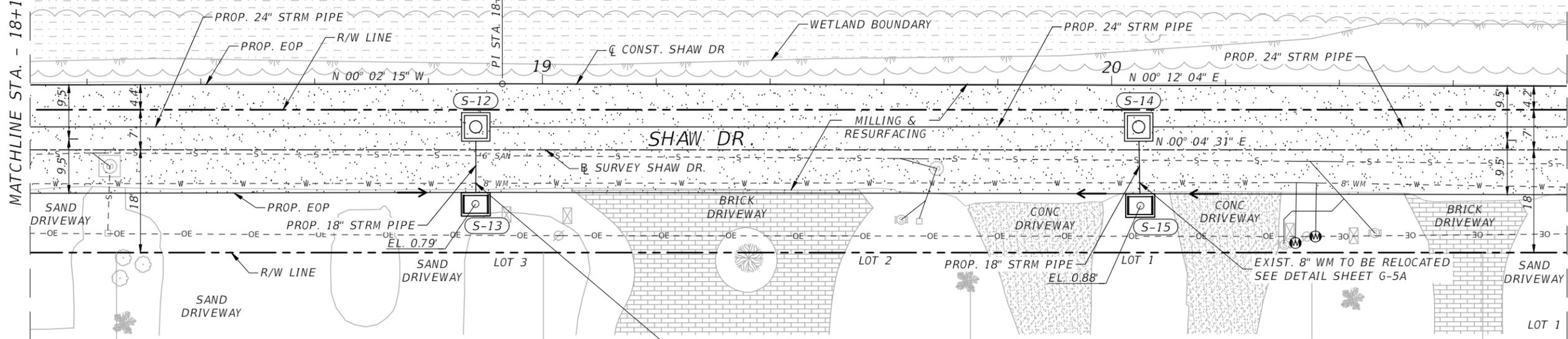
ROADWAY PLAN & PROFILE (SHAW DR)

RD-3A

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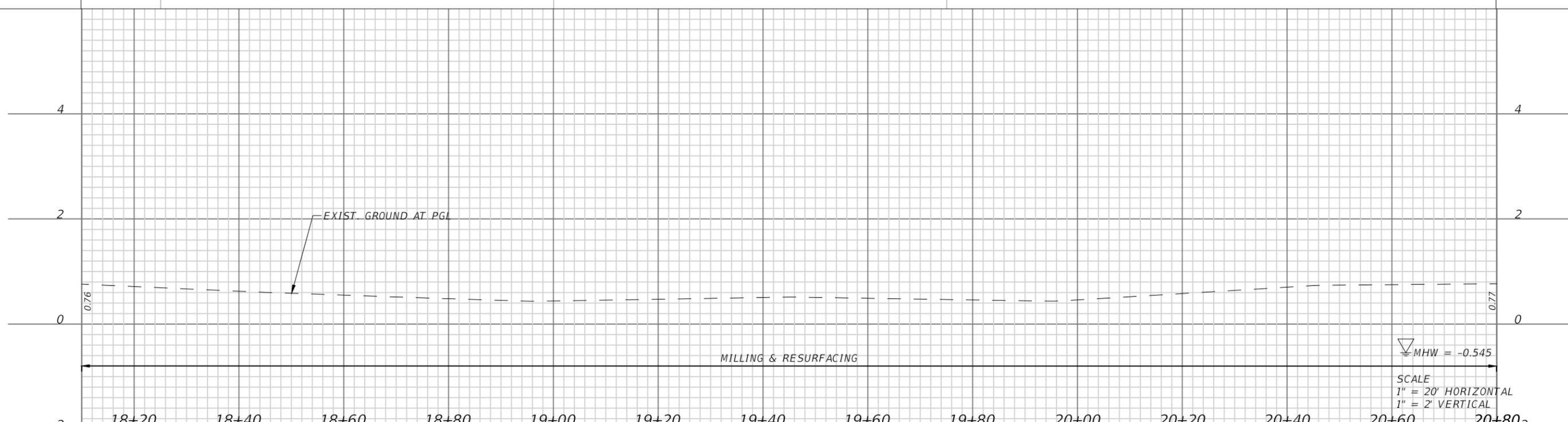
MATCHLINE STA. - 18+10.00

MATCHLINE STA. - 20+80.00



**LEGEND**

- MILLING & RESURFACING
- WETLAND



REVISIONS			
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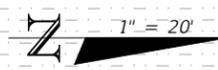
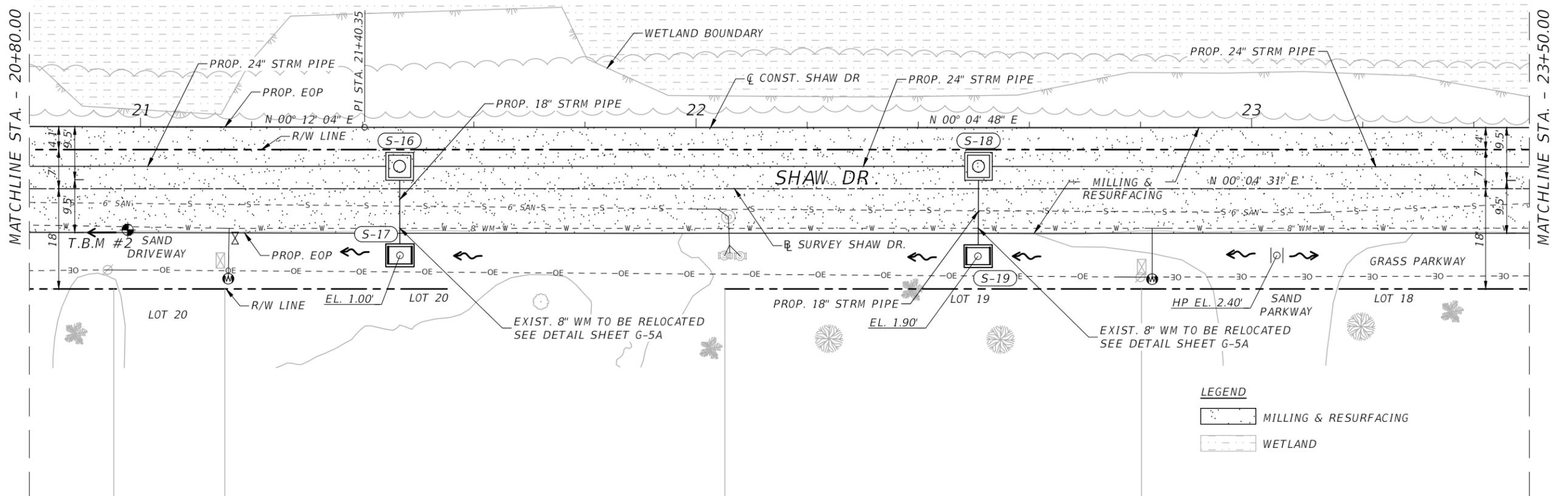


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 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

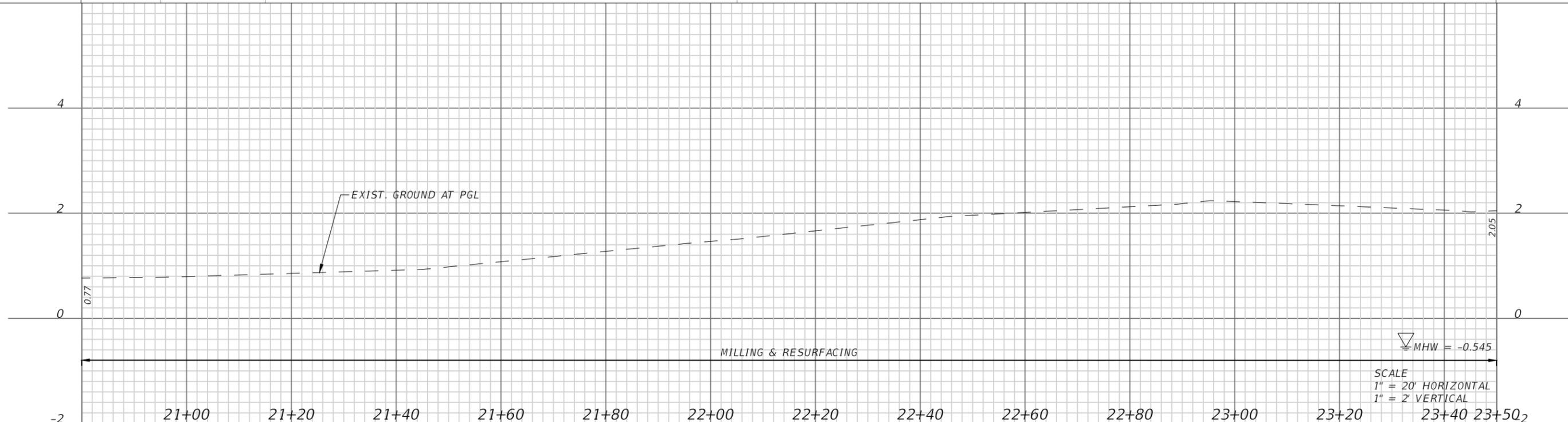
SHEET NO.  
**RD-4A**

ROADWAY PLAN & PROFILE (SHAW DR)

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



- LEGEND**
- MILLING & RESURFACING
  - WETLAND



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

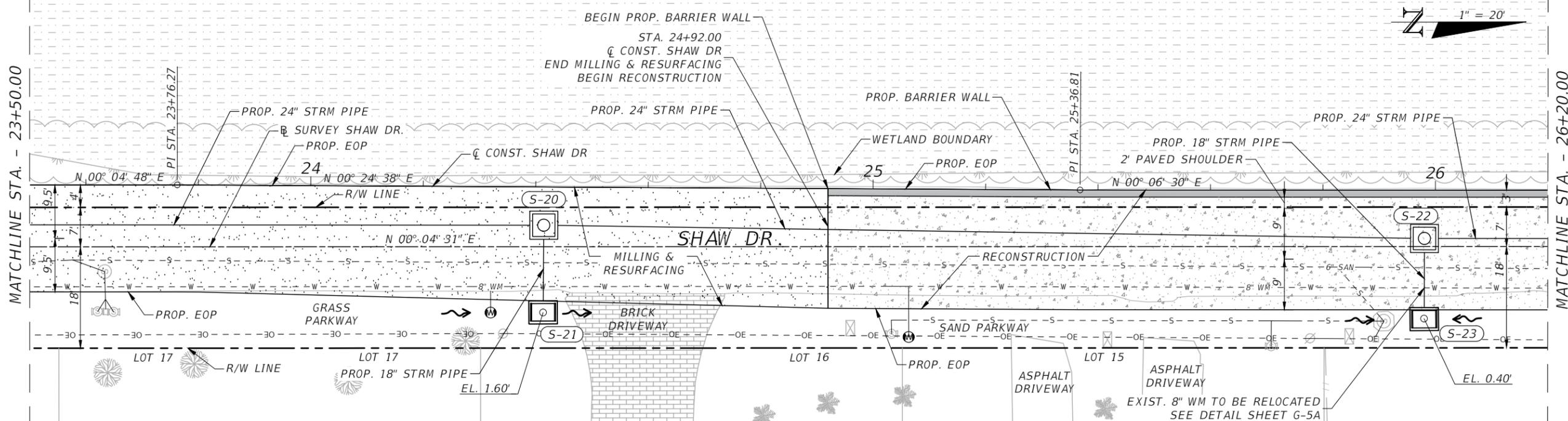


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (SHAW DR)

SHEET NO.  
RD-5A

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



- LEGEND**
- MILLING & RESURFACING
  - RECONSTRUCTION
  - WETLAND
  - BARRIER WALL

SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

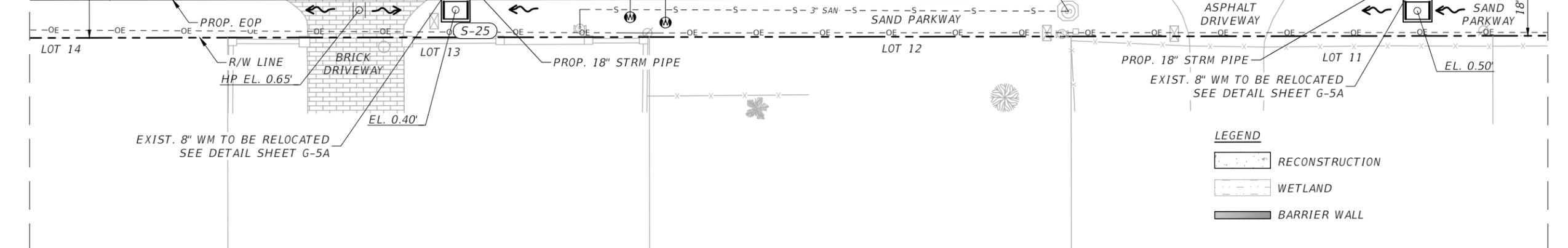
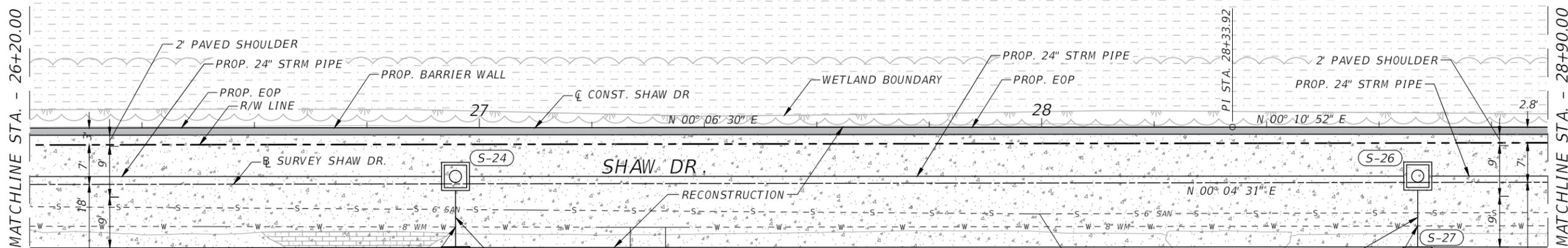


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (SHAW DR)

SHEET NO.  
 RD-6A

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



- LEGEND**
- RECONSTRUCTION
  - WETLAND
  - BARRIER WALL

SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

26+40 26+60 26+80 27+00 27+20 27+40 27+60 27+80 28+00 28+20 28+40 28+60 28+80 28+90.4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

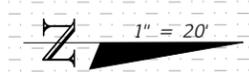
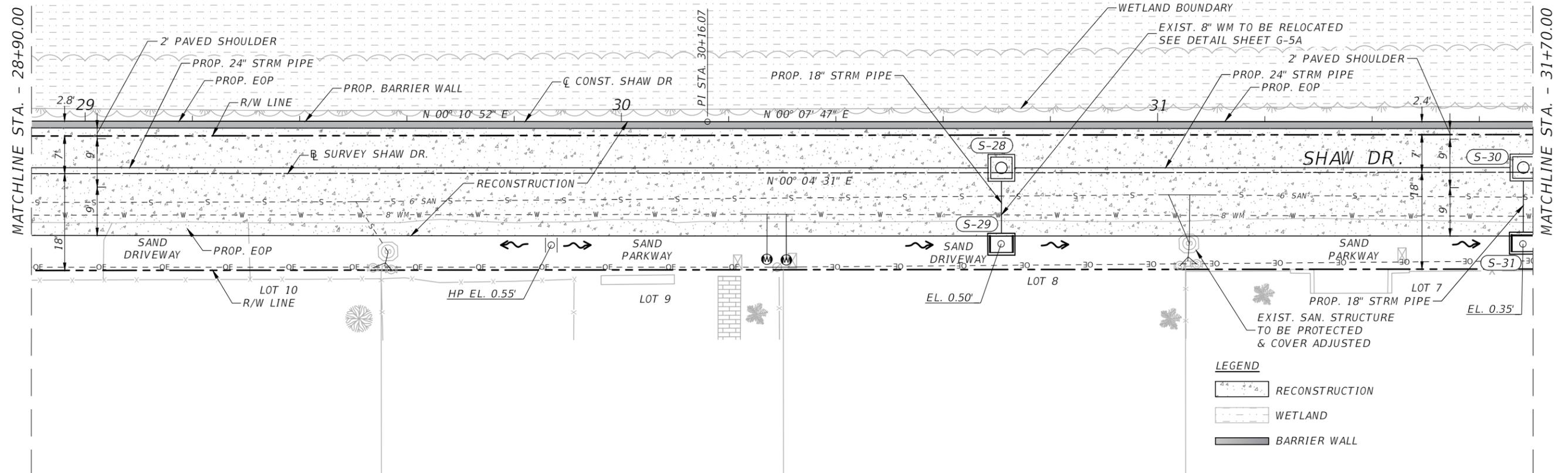


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

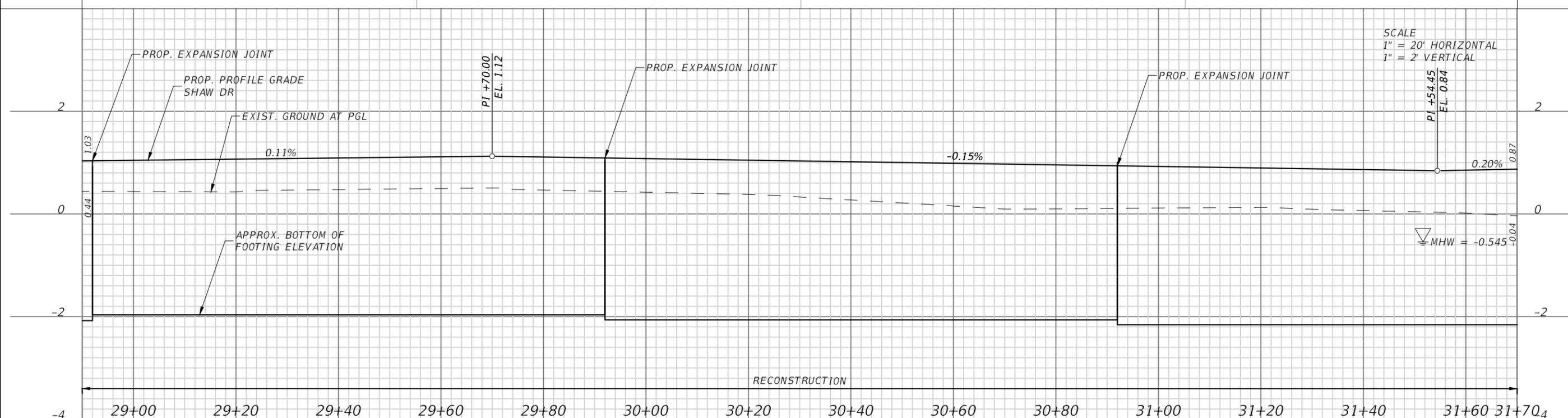
ROADWAY PLAN & PROFILE (SHAW DR)

SHEET NO.  
 RD-7A

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



- LEGEND**
- RECONSTRUCTION
  - WETLAND
  - BARRIER WALL



SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



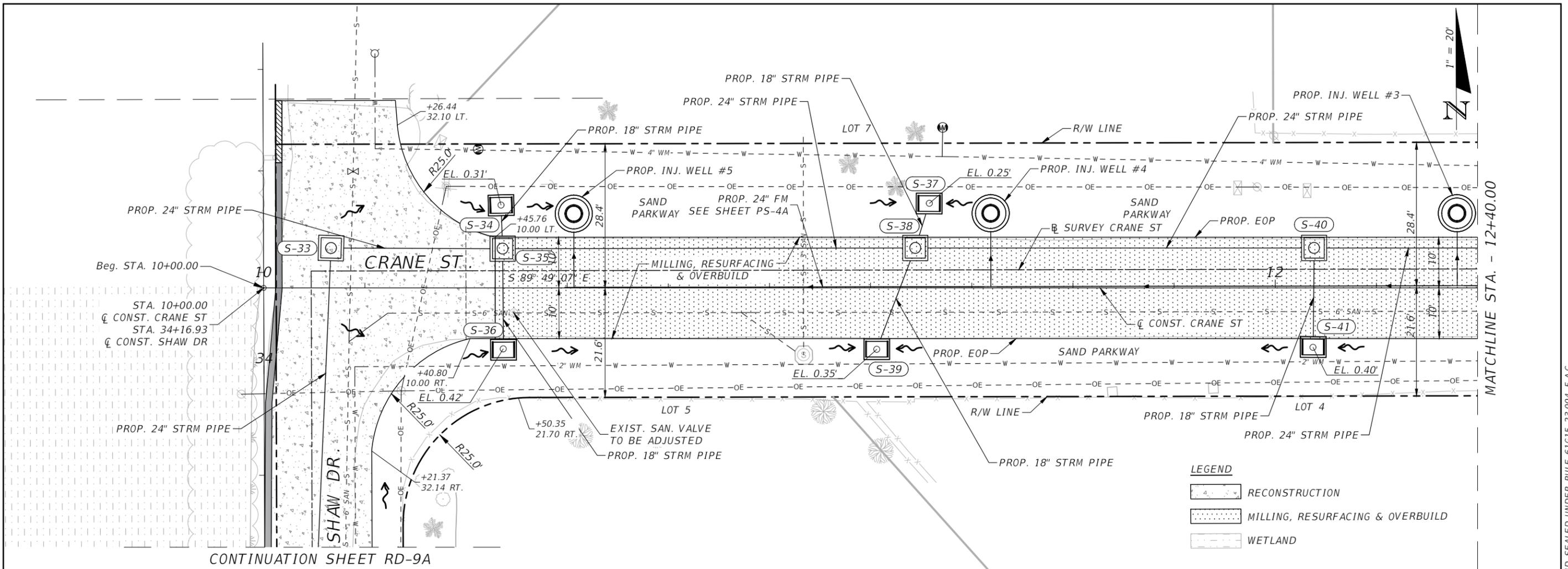
**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (SHAW DR)

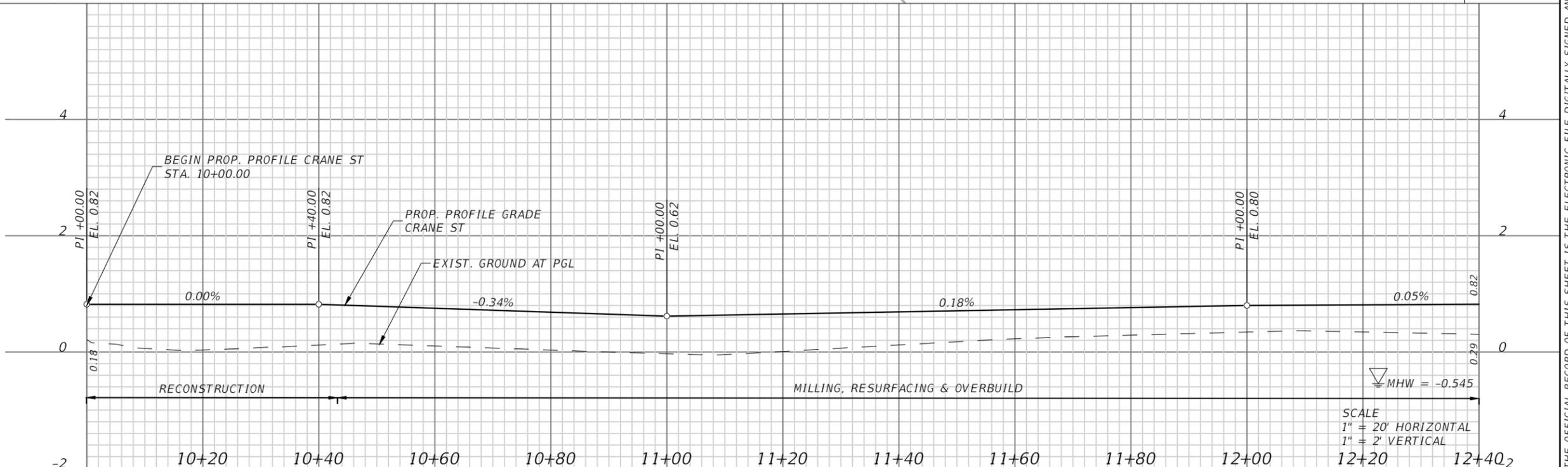
SHEET NO.  
RD-8A

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





CONTINUATION SHEET RD-9A



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (CRANE ST)

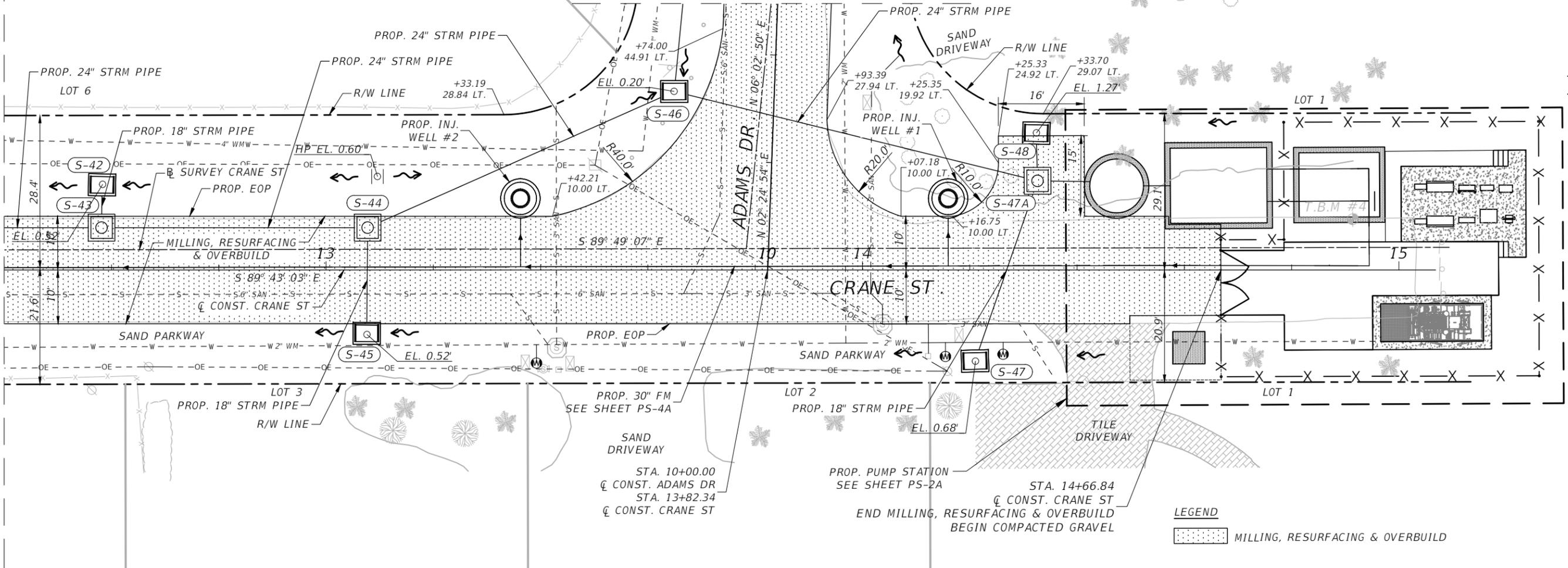
SHEET NO.  
 RD-10A

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

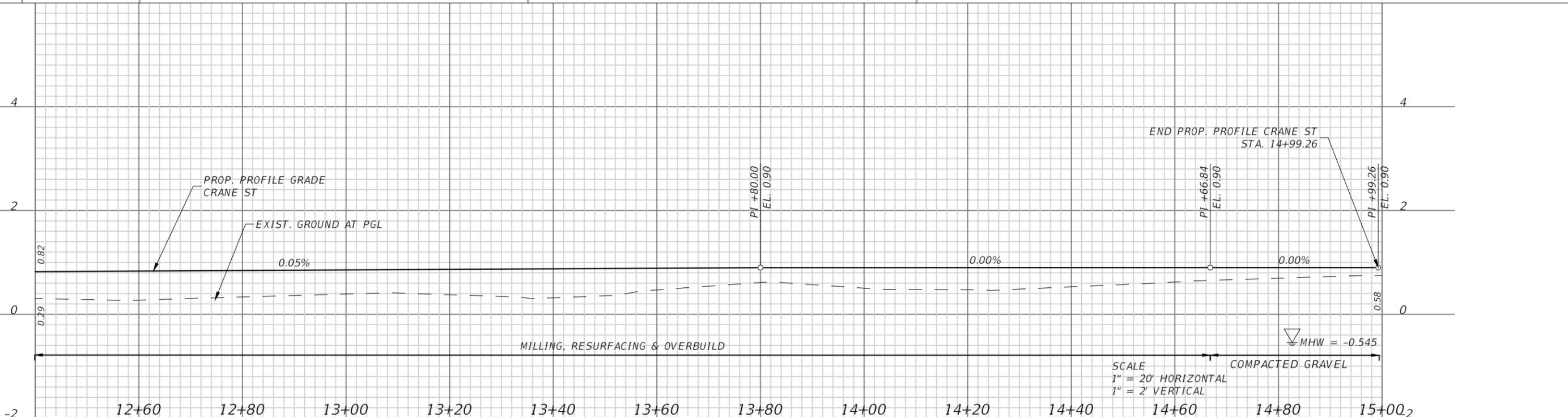
CONTINUATION SHEET RD-12A



MATCHLINE STA. - 12+40.00



**LEGEND**  
 MILLING, RESURFACING & OVERBUILD



SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

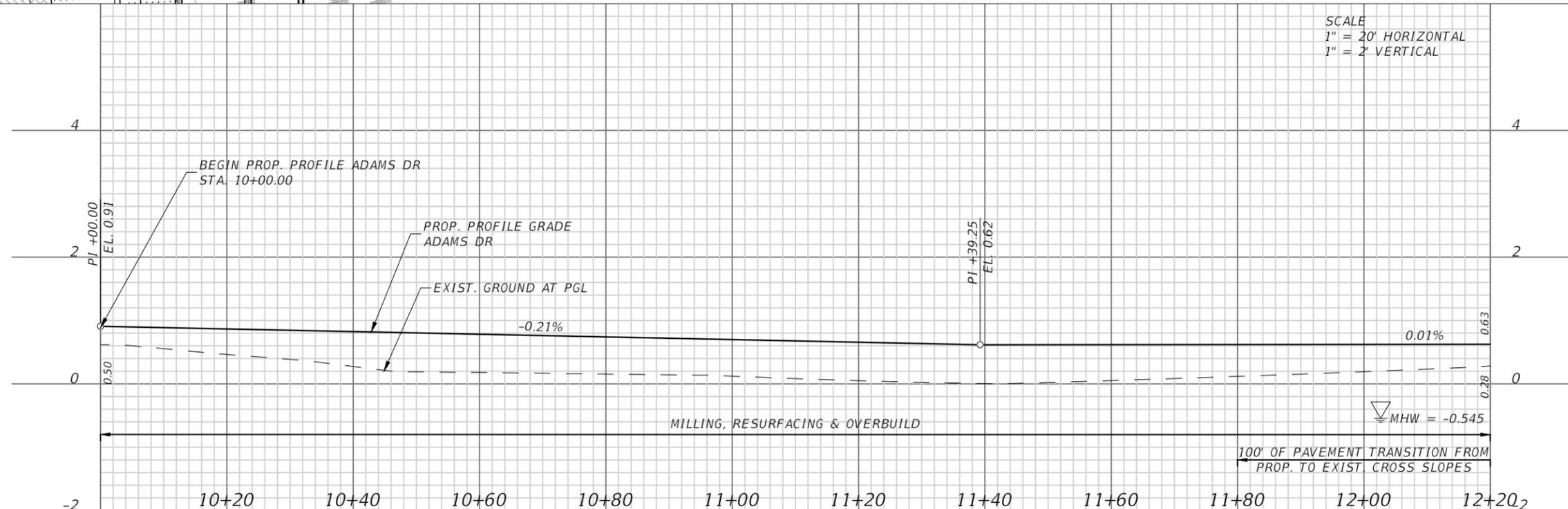
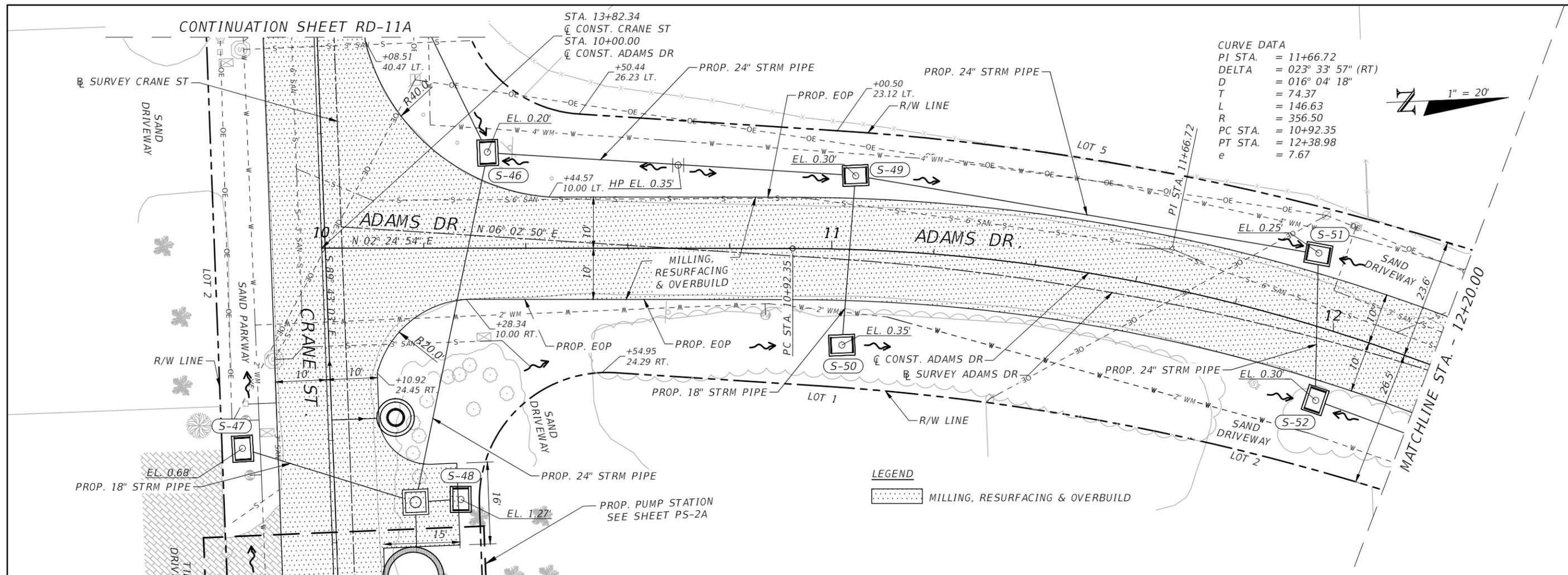
ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING  
 ROADWAY PLAN & PROFILE (CRANE ST)

SHEET NO.  
 RD-11A

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



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

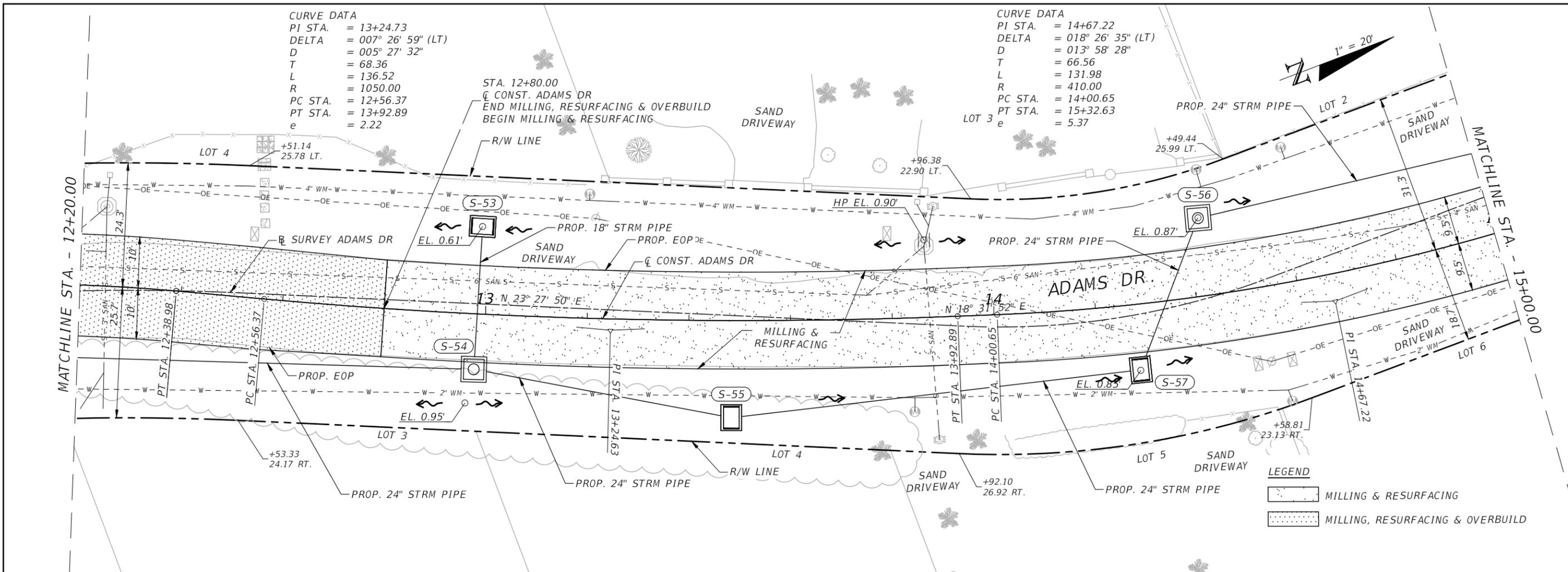
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY PLAN & PROFILE (ADAMS DR)

RD-12A

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

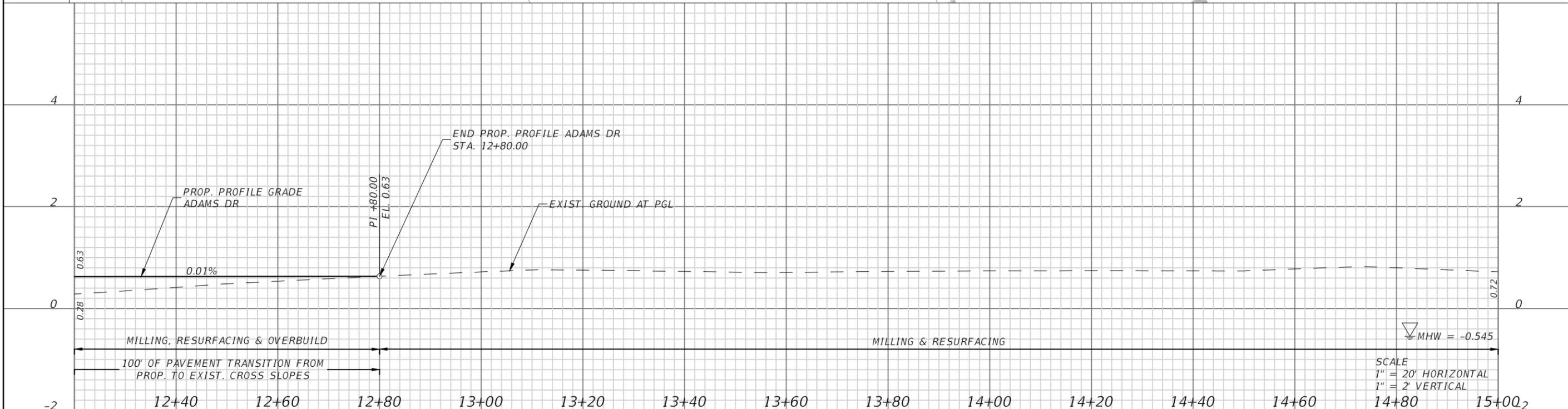


CURVE DATA  
 PI STA. = 13+24.73  
 DELTA = 007° 26' 59" (LT)  
 D = 005° 27' 32"  
 T = 68.36  
 L = 136.52  
 R = 1050.00  
 PC STA. = 12+56.37  
 PT STA. = 13+92.89  
 e = 2.22

CURVE DATA  
 PI STA. = 14+67.22  
 DELTA = 018° 26' 35" (LT)  
 D = 013° 58' 28"  
 T = 66.56  
 L = 131.98  
 R = 410.00  
 PC STA. = 14+00.65  
 PT STA. = 15+32.63  
 e = 5.37



**LEGEND**  
 MILLING & RESURFACING  
 MILLING, RESURFACING & OVERBUILD



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



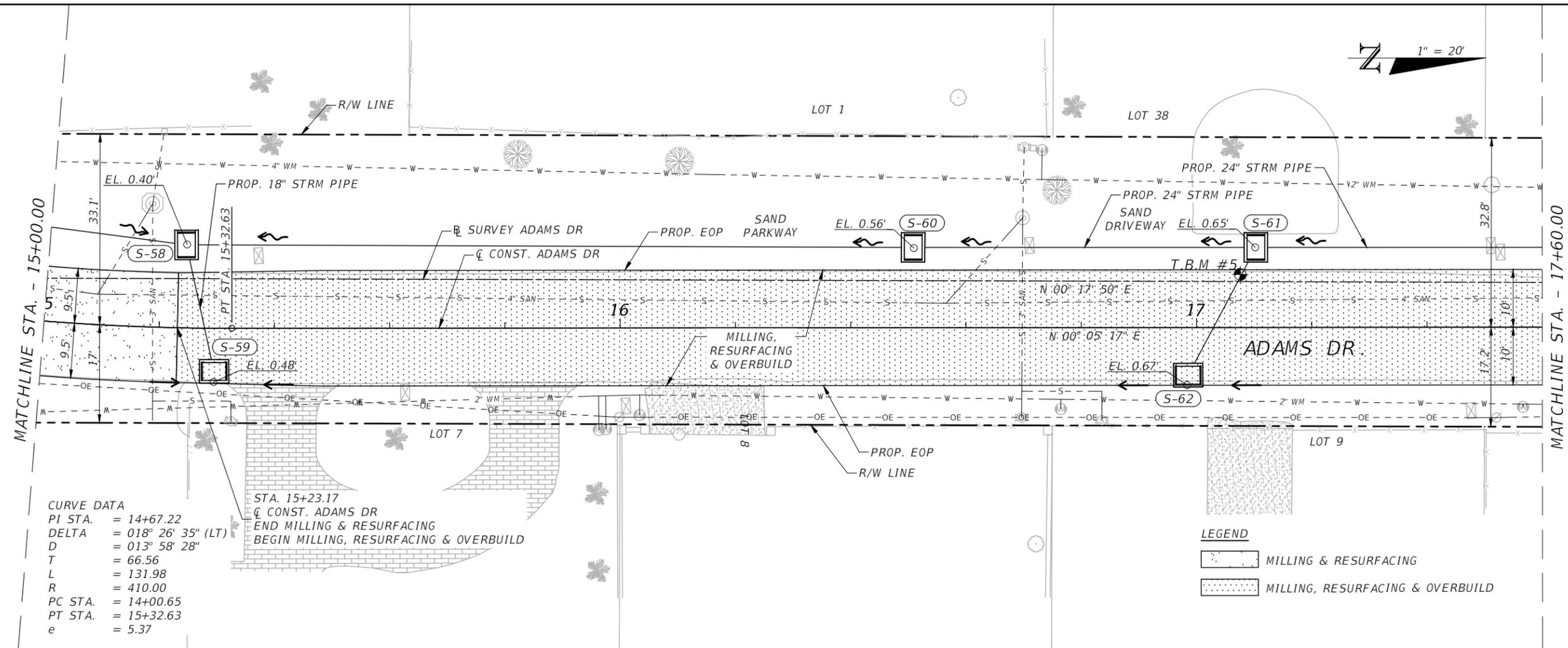
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY PLAN & PROFILE (ADAMS DR)

RD-13A

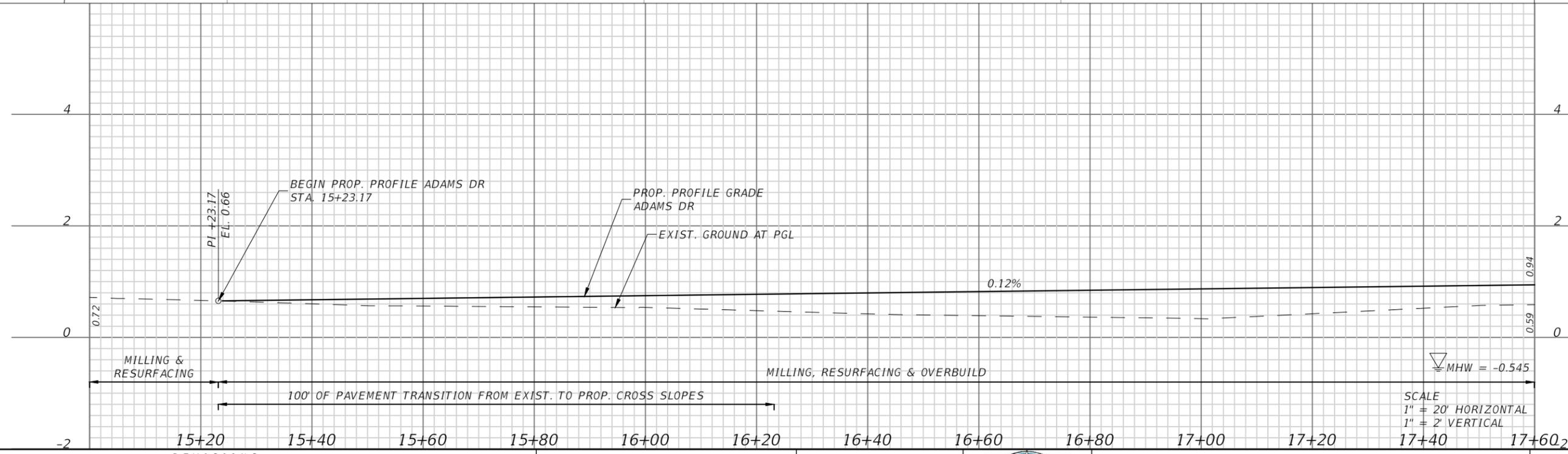
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**CURVE DATA**  
 PI STA. = 14+67.22  
 DELTA = 018° 26' 35" (LT)  
 D = 013° 58' 28"  
 T = 66.56  
 L = 131.98  
 R = 410.00  
 PC STA. = 14+00.65  
 PT STA. = 15+32.63  
 e = 5.37

STA. 15+23.17  
 Q CONST. ADAMS DR  
 END MILLING & RESURFACING  
 BEGIN MILLING, RESURFACING & OVERBUILD

**LEGEND**  
 MILLING & RESURFACING  
 MILLING, RESURFACING & OVERBUILD



SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

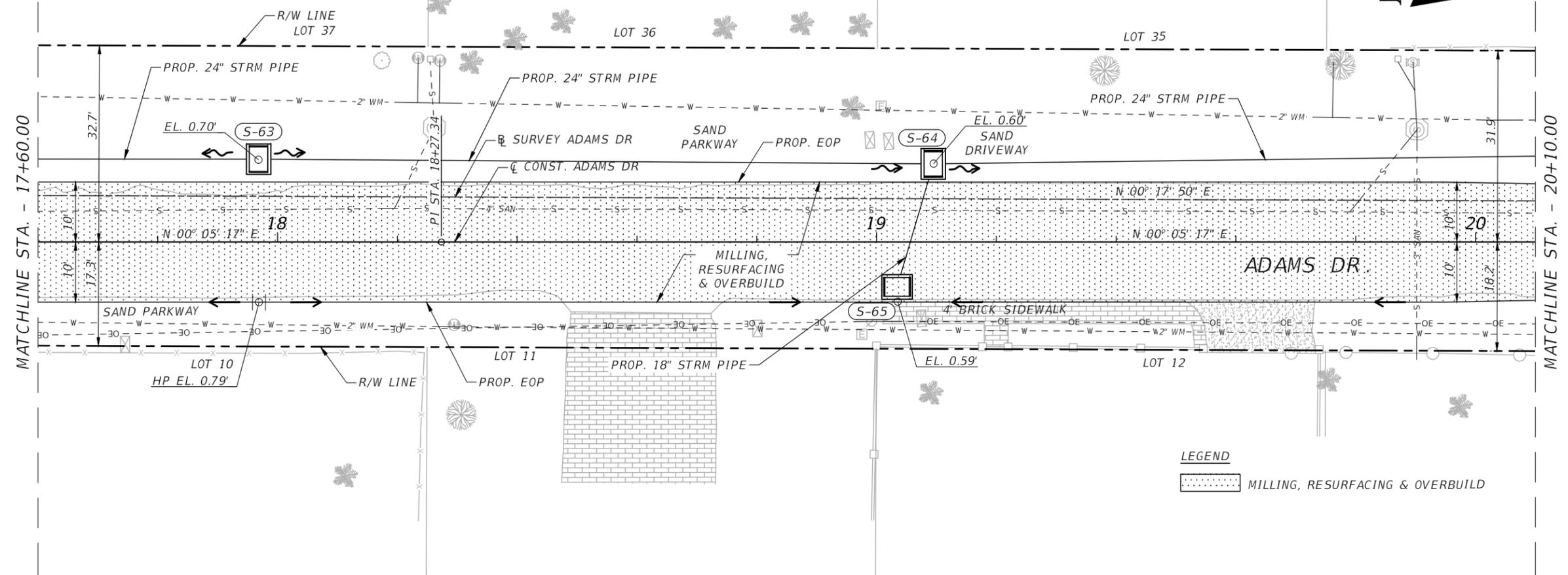


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (ADAMS DR)

SHEET NO.  
 RD-14A

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



**LEGEND**  
 MILLING, RESURFACING & OVERBUILD

**SCALE**  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

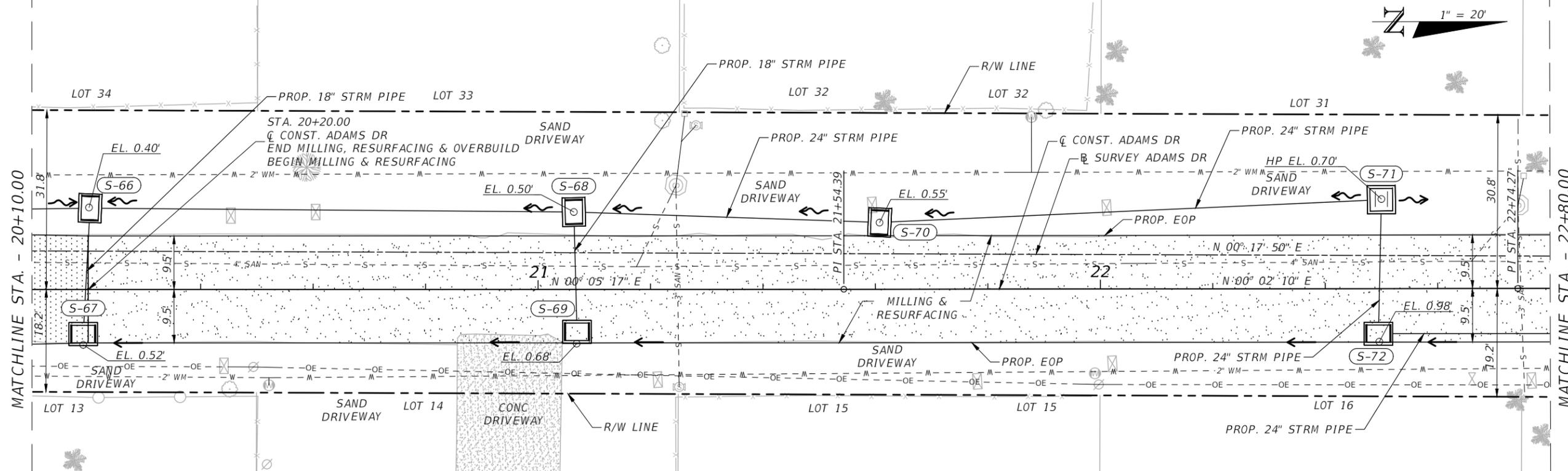


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (ADAMS DR)

SHEET NO.  
 RD-15A

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



**LEGEND**  
 MILLING & RESURFACING  
 MILLING, RESURFACING & OVERBUILD



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

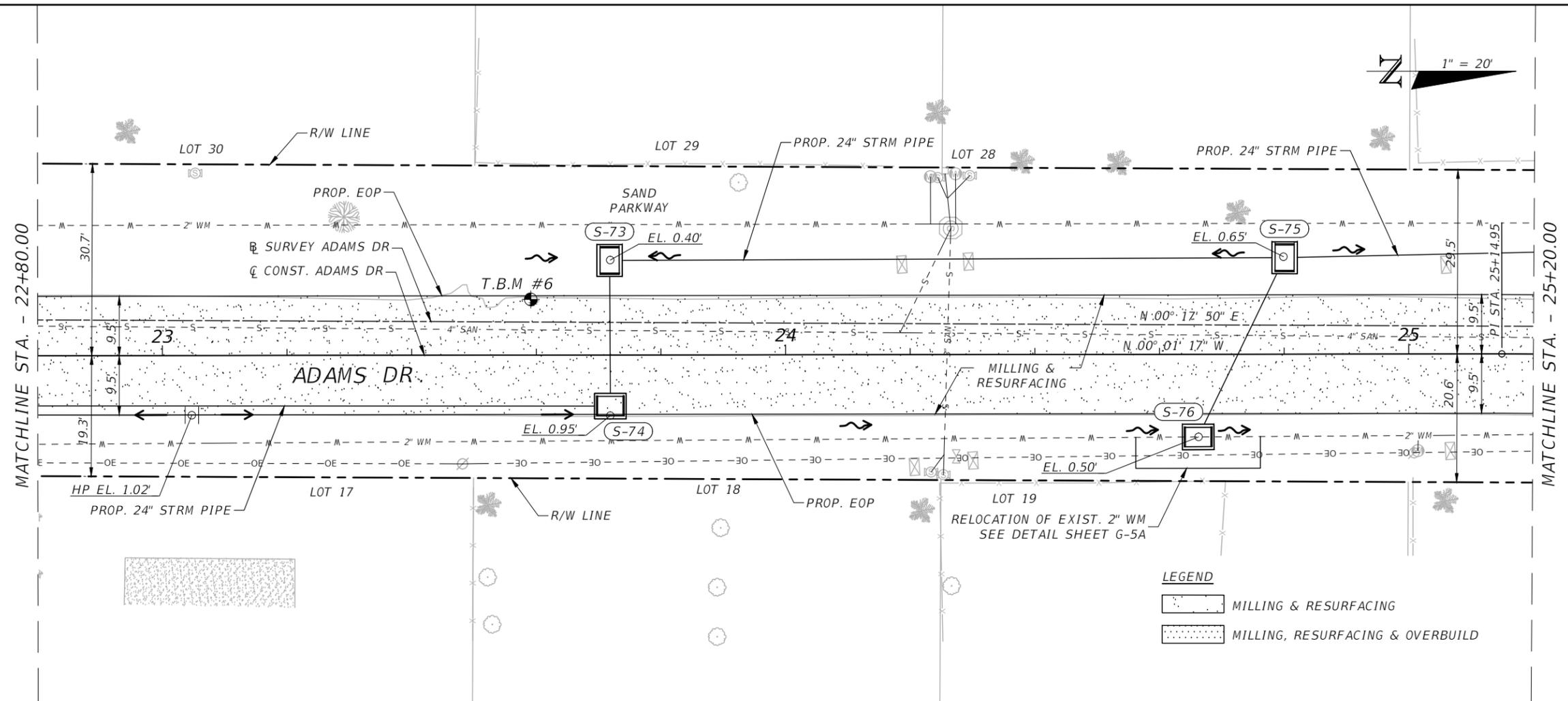


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

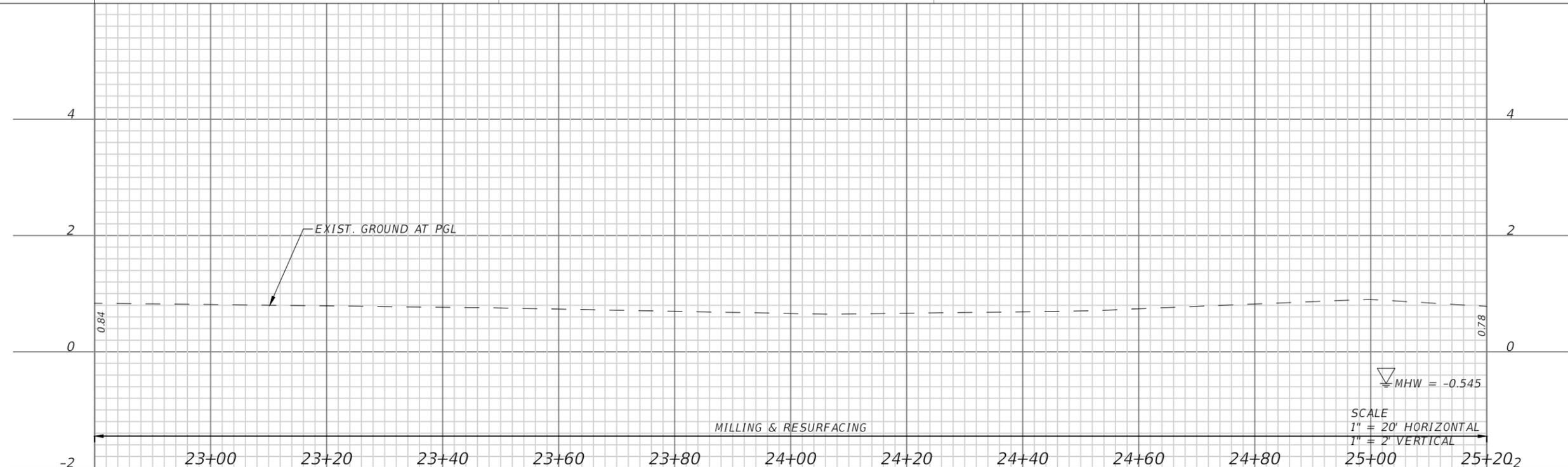
ROADWAY PLAN & PROFILE (ADAMS DR)

SHEET NO.  
 RD-16A

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



- LEGEND**
- MILLING & RESURFACING
  - MILLING, RESURFACING & OVERBUILD



MHW = -0.545

SCALE  
1" = 20' HORIZONTAL  
1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462

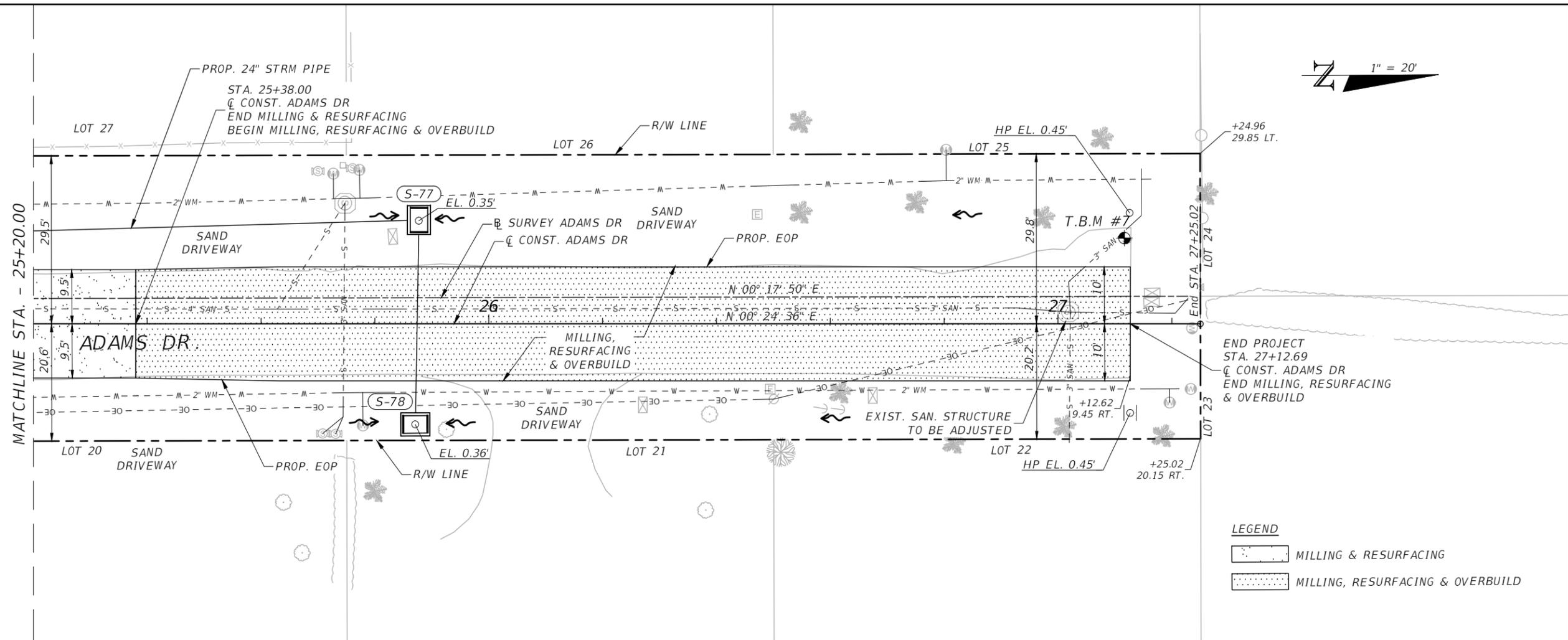
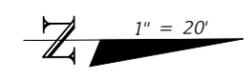


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (ADAMS DR)

SHEET NO.  
RD-17A

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



**LEGEND**

MILLING & RESURFACING

MILLING, RESURFACING & OVERBUILD



SCALE  
 1" = 20' HORIZONTAL  
 1" = 2' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

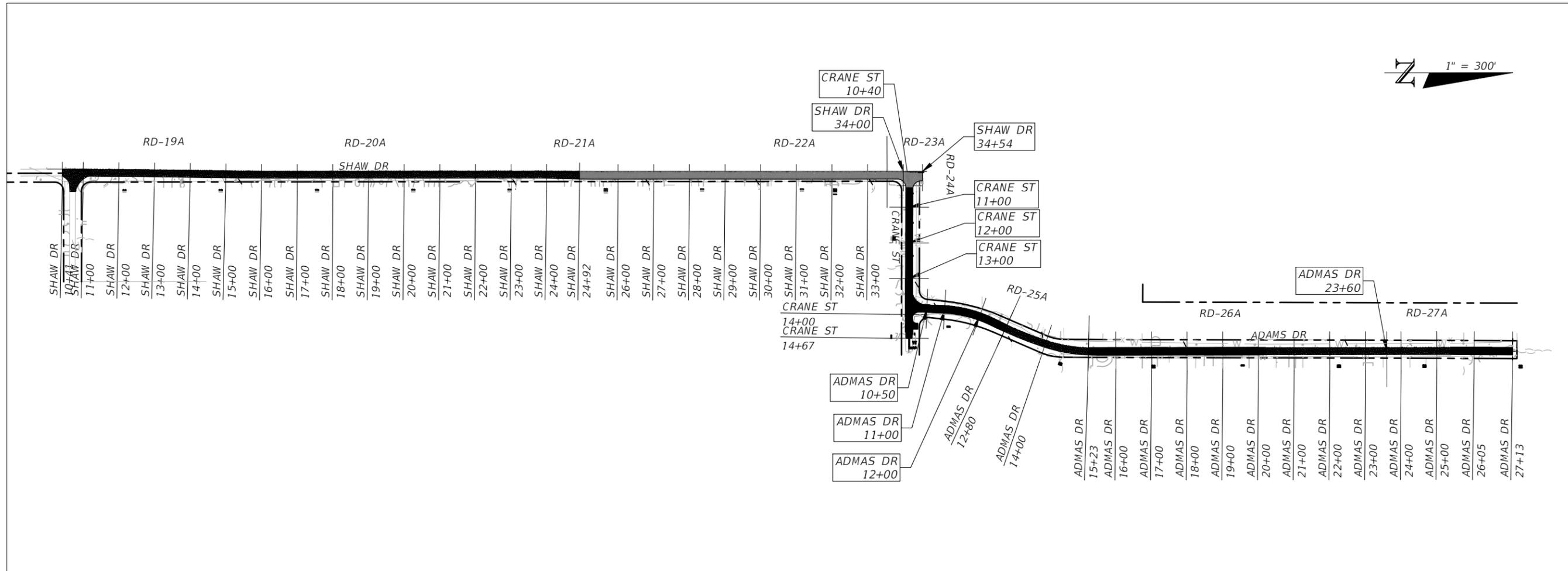


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY PLAN & PROFILE (ADAMS DR)

SHEET NO.  
 RD-18A

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462

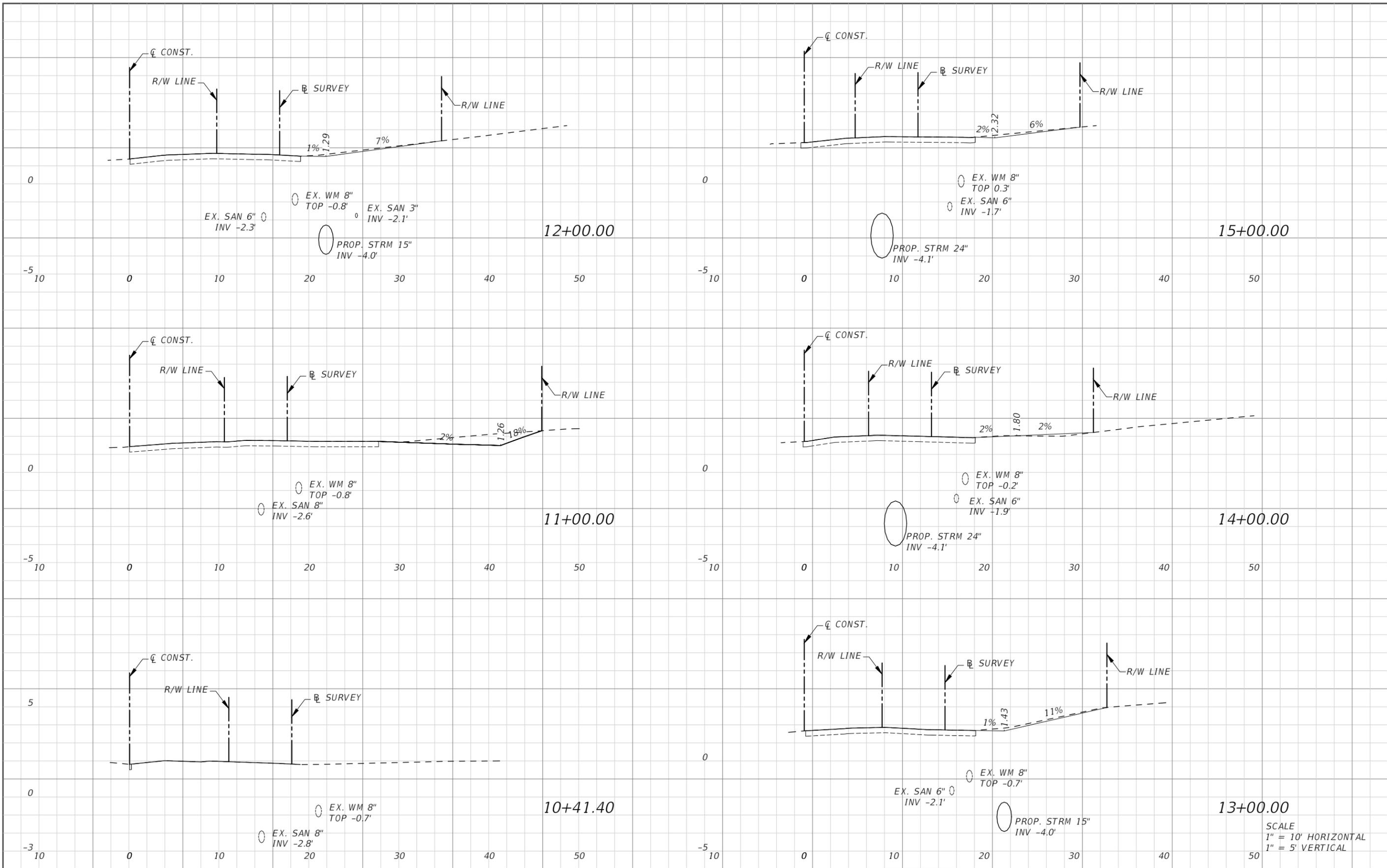


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS PATTERN

RD-19A



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
P.E. LICENSE NUMBER 63917  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462

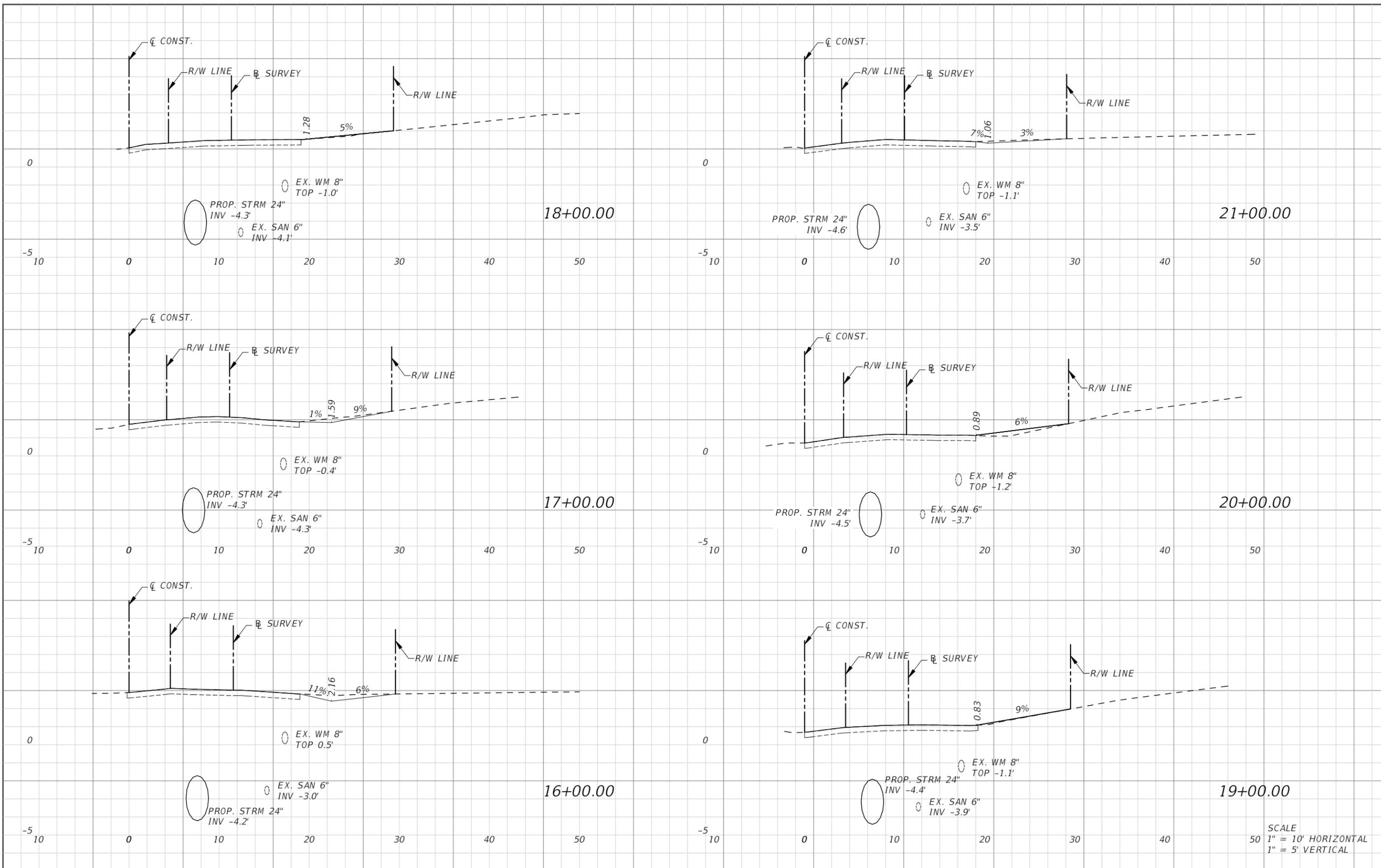


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)**  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY CROSS SECTIONS (SHAW DR)

SHEET NO.  
RD-20A

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



SCALE  
 50 1" = 10' HORIZONTAL  
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



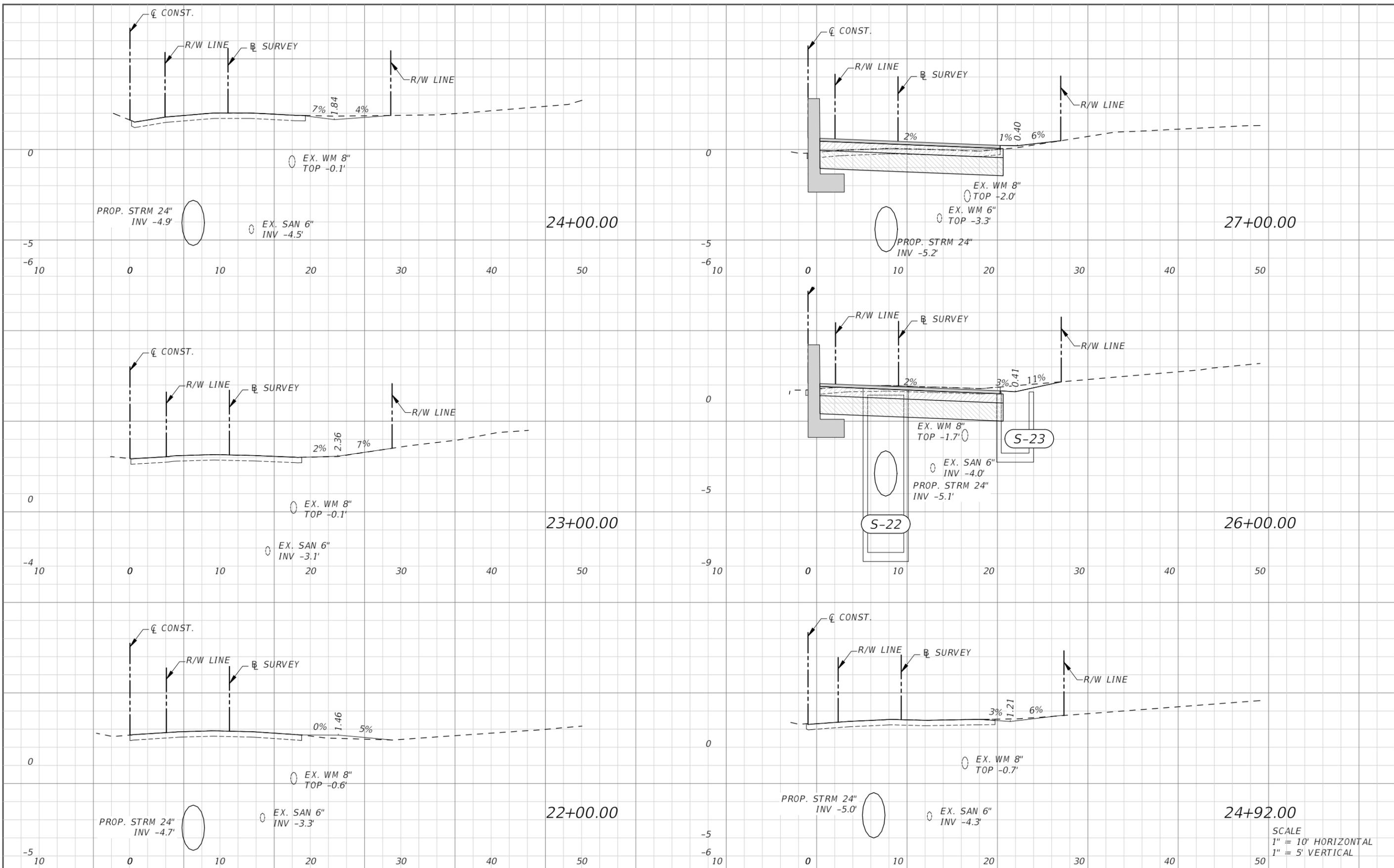
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS (SHAW DR)

RD-21A

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



SCALE  
 1" = 10' HORIZONTAL  
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



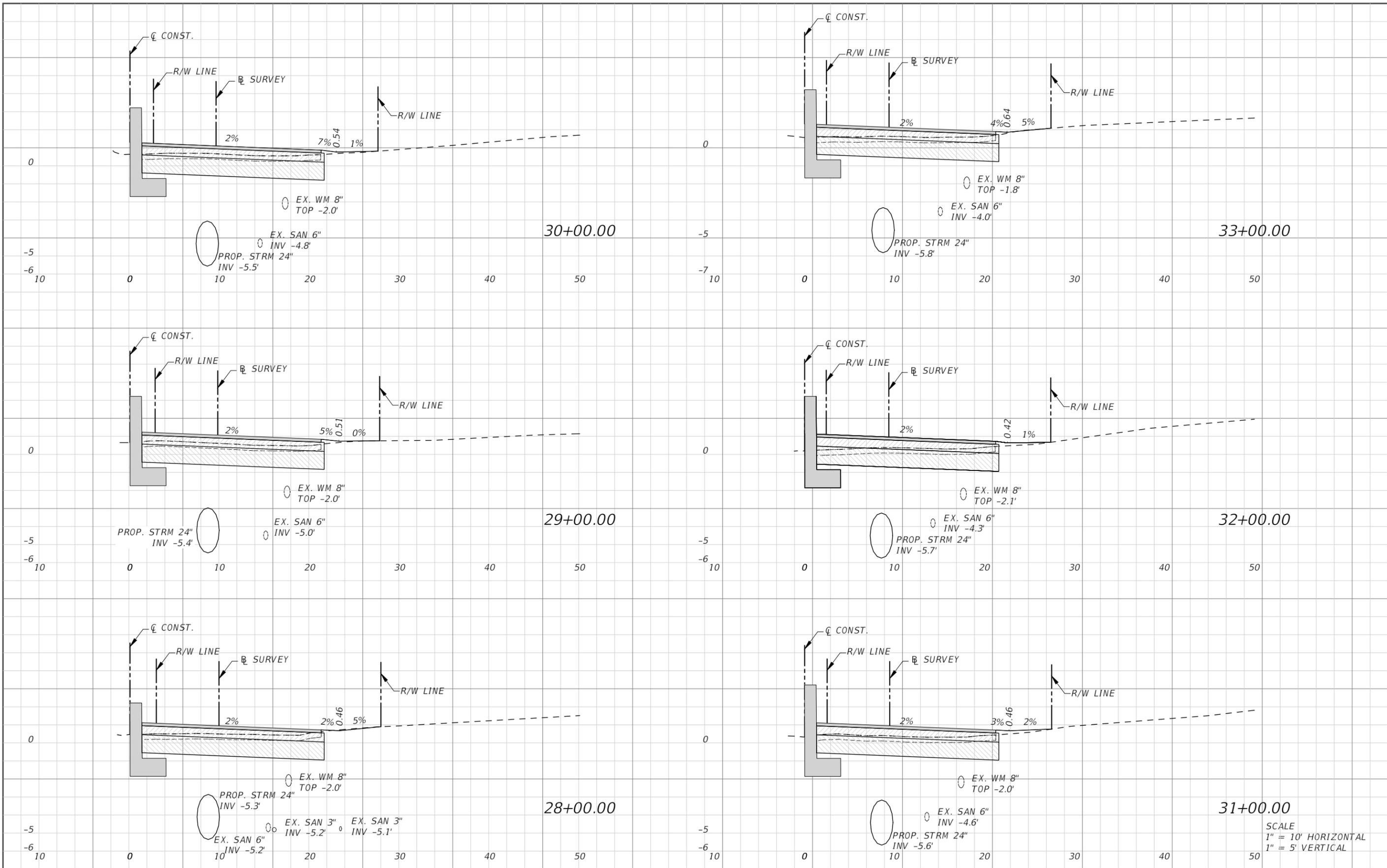
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS (SHAW DR)

RD-22A

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



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

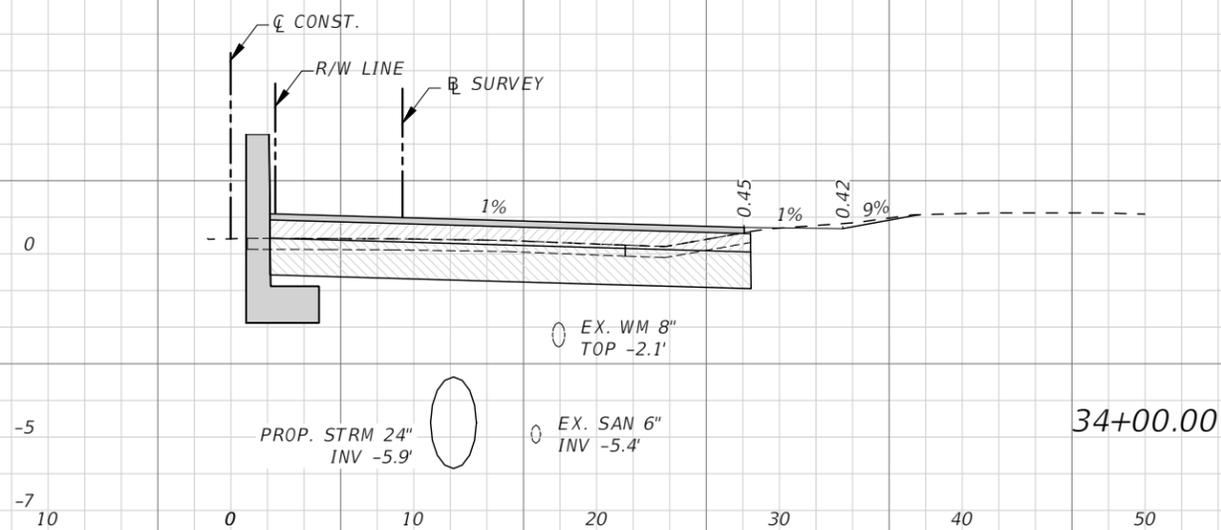
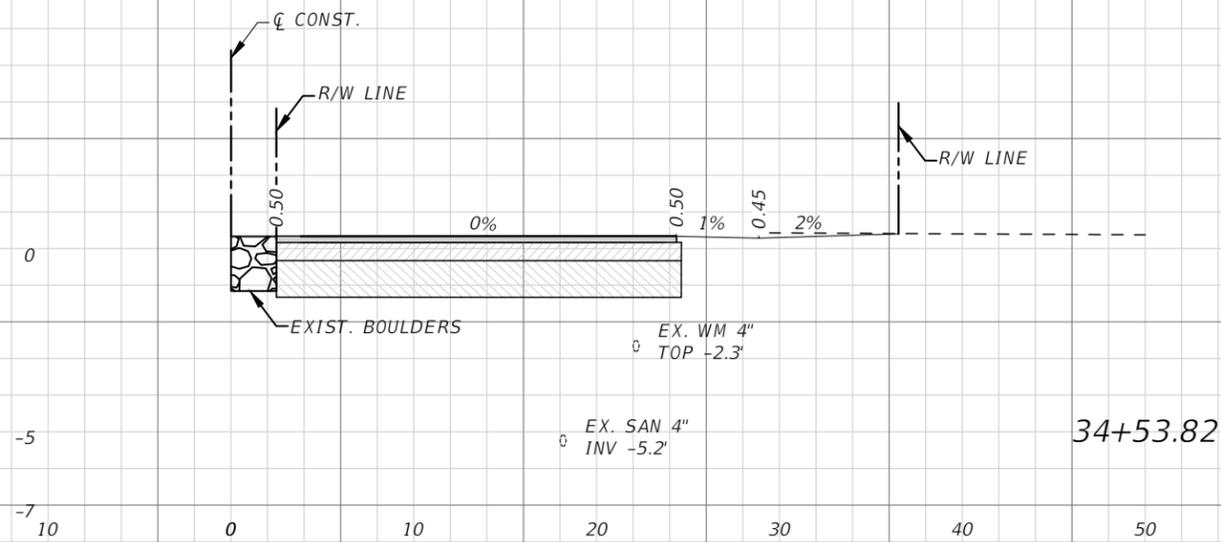
ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.  
RD-23A

ROADWAY CROSS SECTIONS (SHAW DR)



SCALE  
 1" = 10' HORIZONTAL  
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462

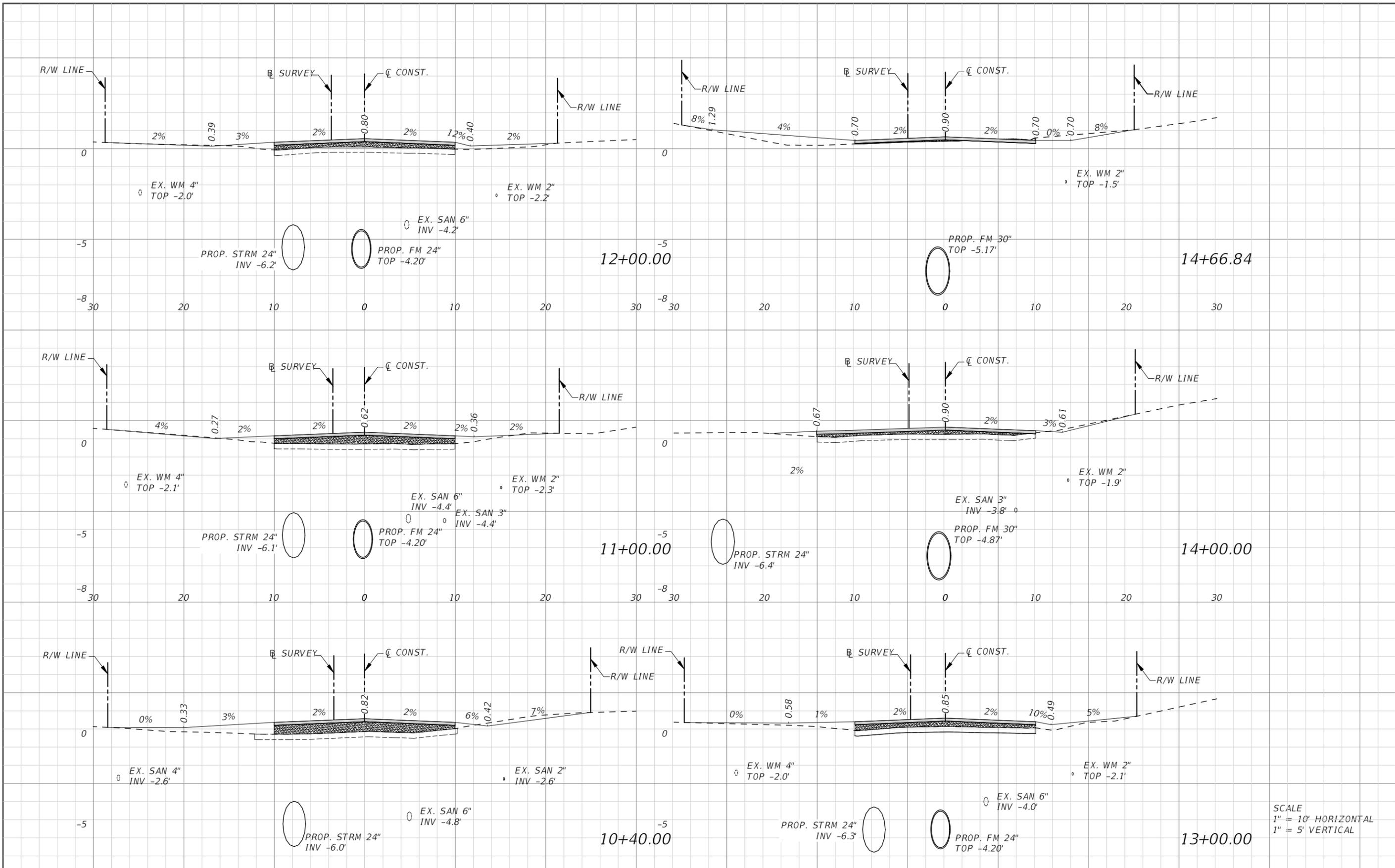


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS (SHAW DR)

RD-24A



SCALE  
 1" = 10' HORIZONTAL  
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



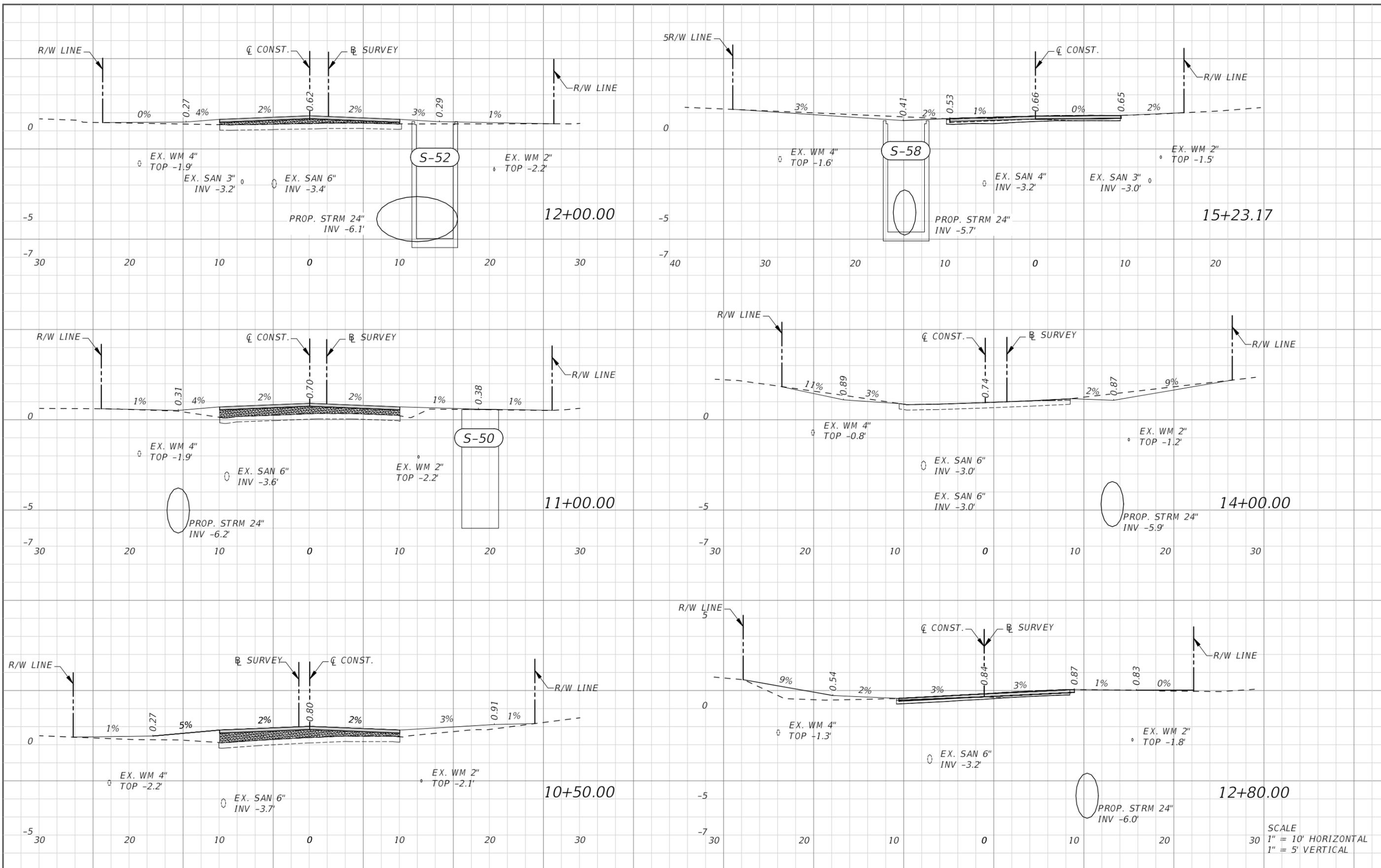
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS (CRANE ST)

RD-25A

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



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

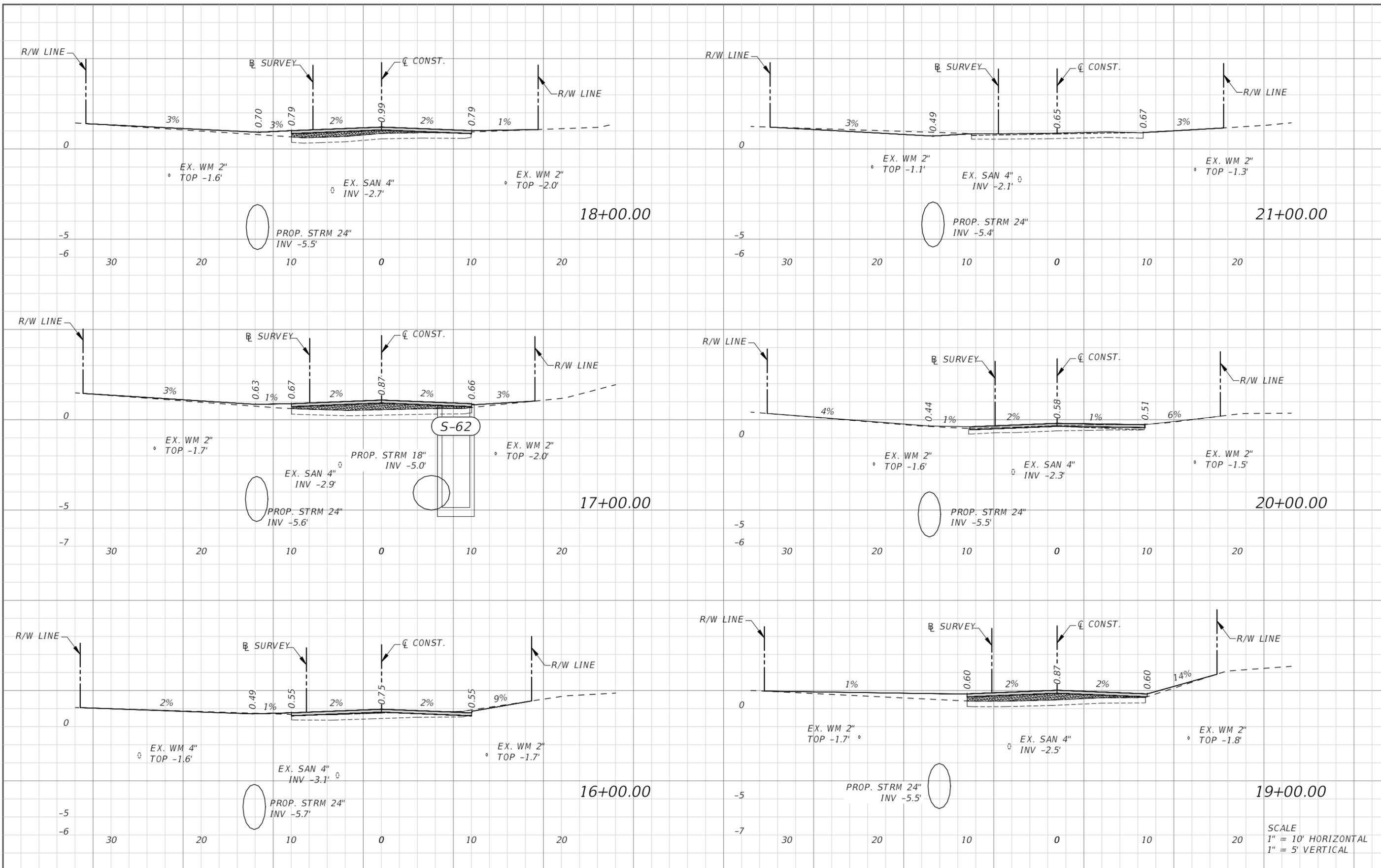
ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING  
 ROADWAY CROSS SECTIONS (ADAMS DR)

SHEET NO.  
 RD-26A

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



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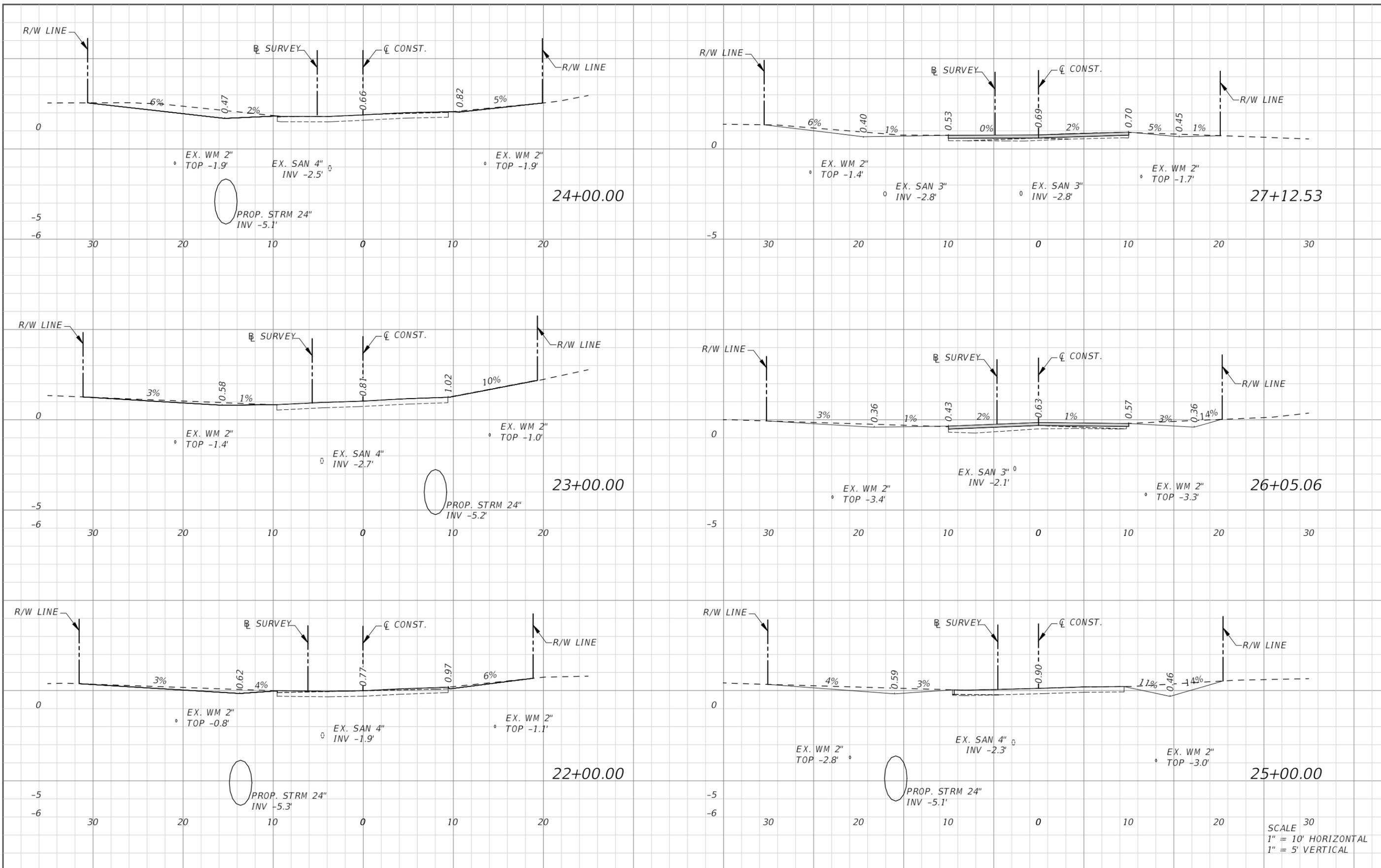


**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

ROADWAY CROSS SECTIONS (ADAMS DR)

RD-27A



SCALE 30  
 1" = 10' HORIZONTAL  
 1" = 5' VERTICAL

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

ROADWAY CROSS SECTIONS (ADAMS DR)

SHEET NO.  
 RD-28A

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**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

CONSTRUCTION SEQUENCE

TC-1A

**TEMPORARY TRAFFIC CONTROL (TTC) GENERAL NOTES**

1. ALL TTC SHALL BE IN CONFORMANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS 2018-19, MONROE COUNTY ENGINEERING DEPARTMENT STANDARDS AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS (MUTCD) LATEST EDITION.
2. CONTRACTOR SHALL NOTIFY THE MONROE COUNTY PROJECT MANAGER A MINIMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION OF THE TTC.
3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN REASONABLE CONFORMITY WITH THE MUTCD, OR AS DIRECTED BY THE OWNER SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTION TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.
4. THE CONTRACTOR SHALL PROVIDE THE COUNTY WITH THE NAME OF THE PERSON ON THE CONTRACTOR'S STAFF DESIGNATED TO BE RESPONSIBLE FOR THE IMPLEMENTATION OF ALL PHASES OF TTC, PRIOR TO THE BEGINNING OF CONSTRUCTION.
5. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE REMOVED FOR TTC PURPOSES SHALL BE REPLACED BEFORE COMPLETION OF THE PROJECT.
6. THE REFLECTIVE SHEETING ON SIGNS, CONES OR BARRICADES SCRATCHED OR DAMAGED TO THE POINT THAT REFLECTIVITY IS IMPAIRED SHALL BE REPLACED. DAMAGED, DEFACED OR DIRTY SIGNS, CONES OR BARRICADES SHALL IMMEDIATELY BE REPAIRED, REPLACED OR CLEANED BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING FORMAL TTC INSPECTIONS AND SHALL IMMEDIATELY REPLACE ALL EQUIPMENT AND DEVICES NOT CONFORMING TO FDOT AND COUNTY STANDARDS. THESE INSPECTIONS SHALL TAKE PLACE AT LEAST ONCE A WEEK. SOME OF THESE INSPECTIONS SHALL BE CONDUCTED AT NIGHT. THE COUNTY SHALL BE ADVISED OF THE SCHEDULE OF THE INSPECTIONS AND BE GIVEN THE OPPORTUNITY TO JOIN IN THE INSPECTION.
8. SHORT TERM STOPPING OR PARKING OF A VEHICLE, OR PLACING ANYTHING ELSE NEXT TO THE WORK AREA (FOR EXAMPLE, A STACK OF CONES, PARKED CONSTRUCTION EQUIPMENT/VEHICLES, ETC.) CREATES A CHANNEL EFFECT WHICH CAN ADVERSELY AFFECT TRAFFIC FLOW. THEREFORE, ALL CONSTRUCTION EQUIPMENT SHALL BE PLACED A MINIMUM OF 15 FEET FROM THE TRAVEL LANE WHEN NOT IN USE. OVERNIGHT STORAGE WILL BE IN APPROPRIATELY SIGNED AND BARRICADED AREA.
9. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER EMERGENCY CONDITIONS MAY REQUIRE THE COUNTY TO MODIFY ANY CHANNELIZATION SHOWN IN THESE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS, AS DIRECTED BY THE COUNTY, WITHOUT DELAY.
10. WARNING LIGHTS SHALL BE USED TO MARK BARRICADES AS NEEDED.
11. THE CONTRACTOR SHALL RETURN THE GROUND TO ITS ORIGINAL CONDITION OR PROPOSED FINAL GRADE, WHEN REMOVING ANY TEMPORARY SURFACE.
12. DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.
13. TEMPORARY PAVEMENT SHALL CONSIST OF 1" OF TYPE S-II ASPHALT ON 6" OF LIMEROCK.
14. THE CONTRACTOR HAS THE OPTION TO SUBMIT ALTERNATIVE TTC PLANS FOR APPROVAL BY THE COUNTY. ALTERNATE TTC PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND SHALL BE CONSISTENT WITH STANDARD TTC DESIGN PRACTICES. NO CONSTRUCTION ACTIVITY WILL BE ALLOWED UNTIL THE CONTRACTOR'S TTC PLANS ARE APPROVED IN WRITING.

**SIGNING NOTES**

1. THE CONTRACTOR SHALL INSURE THAT PERMANENT SIGNS DO NOT CONFLICT WITH TTC SIGNS. THE CONTRACTOR SHALL COVER ALL SIGNS, BOTH PERMANENT AND TEMPORARY, THAT CONFLICT WITH TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS.
2. THE EXISTING POSTED SPEED LIMIT SIGNS SHALL REMAIN THROUGHOUT ALL CONSTRUCTION STAGES, UNLESS OTHERWISE NOTED.
3. ANY EXISTING STREET AND ROAD NAME SIGNS THAT ARE IMPACTED BY CONSTRUCTION ARE TO BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
4. CONTRACTOR MUST MAINTAIN EXISTING SIGNING DURING CONSTRUCTION. IF SIGNS ARE DAMAGED DUE TO HIS ACTIVITY, THE CONTRACTOR IS REQUIRED TO REPLACE THEM PROMPTLY IN ACCORDANCE WITH CURRENT COUNTY OR FDOT STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
5. GROOVED PAVEMENT AHEAD SIGN IS REQUIRED 500 FEET IN ADVANCE OF A MILLED OR GROOVED SURFACE OPEN TO TRAFFIC. THE W8-15P PLACARD SHALL BE USED IN CONJUNCTION WITH THE GROOVED PAVEMENT AHEAD SIGN.
6. PROVIDE ADVANCE WARNING SIGNS PER FDOT INDEX 102-603, 102-604, 102-605, AND 102-612 AS APPLICABLE. FIELD LOCATE SINGING TO AVOID CONFLICTS WITH EXISTING SIGNS AND OTHER ROADSIDE OBSTRUCTIONS.

**WORK ZONE SPECIAL NOTES**

1. PAVEMENT MUST BE RESTORED TO AN ASPHALT BASE COURSE AS A MINIMUM BEFORE REOPENING ANY WORK ZONE TO TRAFFIC. REFER ALSO TO GENERAL NOTE 14.
2. PROVIDE UNOBSTRUCTED ACCESS TO ALL DRIVEWAYS AND SIDE STREETS ADJACENT TO THE WORK ZONE AT ALL TIMES. TEMPORARY USE OF STEEL PLATES TO COVER EXCAVATION IS PERMITTED.
3. FOR WORK WITHIN THE TRAVELED WAY, REFER TO FDOT STANDARD PLAN INDEX 102-603 FOR TRAFFIC CONTROL. MAINTAIN A MINIMUM OF ONE 9-FOOT LANES DURING WORKING HOURS ALONG THE WORK ZONE.
4. FOR WORK WITHIN AND NEAR INTERSECTIONS, REFER TO STANDARD PLAN INDEX 102-604 AND 102-605.
5. FOR WORK ON THE SHOULDER AND ROADSIDE, REFER TO FDOT STANDARD PLAN INDEX 102-612.
6. SHORT DURATION INTERMITTENT ROADWAY CLOSURES TO INSTALL DRAINAGE CROSSINGS SHALL BE PERMITTED. CLOSURE SHALL BE LIMITED TO 30 MINUTES AT A TIME AND SHALL INCLUDE THE TIME NEEDED TO MAKE THE WORK ZONE SUITABLE FOR TRAFFIC QUEUE CLEARING.
7. ALL DROP OFFS ALONG CONSTRUCTION WORK ZONES SHALL BE HANDLED PER FDOT INDEX 102-600. NO VERTICAL DROP-OFFS GREATER THAN 1.5 INCHES SHALL BE LEFT EXPOSED AND UNMITIGATED DURING NON-WORKING HOURS. CHANNELIZING DEVICES SHALL REMAIN IN PLACE AT ALL TIMES TO DELINEATE MITIGATED VERTICAL DROP-OFFS GREATER THAN 3 INCHES ALONG THE WORK ZONE.
8. INSTALL APRONS PER FDOT INDEX 102-600 TO MITIGATE FOR UNEVEN SURFACES ALONG THE TRAVELED WAY DURING NON-WORKING HOURS.
9. ADDITIONAL FLAGGERS MAY BE REQUIRED TO ENSURE DRIVEWAY ACCESSIBILITY DURING MILLING AND PAVING OPERATIONS.
10. PEDESTRIANS SHALL BE ESCORTED BY FLAGGERS THROUGH THE WORKZONE.
11. THE EXISTING GRAVEL SHOULDER ADJACENT TO THE PAVED TRAVELED WAY MAY BE USED FOR ADDITIONAL WIDTH TO DETOUR TRAFFIC ALONG THE WORKZONE. THE CONTRACTOR SHALL ENSURE EXISTING GRAVEL SHOULDER IS STABLE AND ITS SUITABLE FOR TRAFFIC PRIOR TRAFFIC DIVERSION. ADDITIONAL TEMPORARY GRAVEL MAY BE PLACED WHEN EXISTING CONDITIONS ARE NOT SUFFICIENT. ANY ROADSIDE FEATURES AND DRIVEWAYS IMPACTED SHALL BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
12. TRENCHING, SHORING, AND BACKFILLING FOR DRAINAGE INSTALLATION SHALL BE PER MONROE COUNTY STANDARD SPECIFICATION SECTION 80.
13. CONTRACTOR SHALL IDENTIFY STAGING AREAS ALONG THE PROJECT SITE AND SUBMIT FOR APPROVAL TO THE COUNTY PROJECT MANAGER AND EOR PRIOR TO MOBILIZATION OF EACH PHASE OF THE PROJECT.

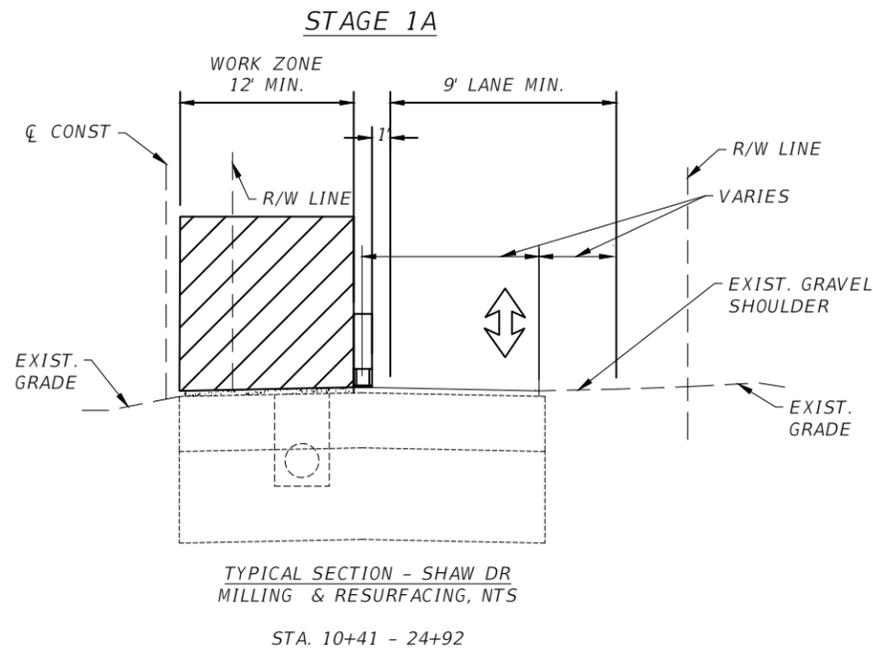
**REQUIREMENTS**

1. PROJECT WORK HOURS ARE BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS OR LEGAL HOLIDAYS, UNLESS AUTHORIZED BY THE COUNTY, WITH A WRITTEN REQUEST, SUBMITTED BY THE CONTRACTOR 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
2. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE WORK ZONES SHALL BE MAINTAINED.
3. ALL ROAD CLOSED SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES.
4. RESTORE ALL SWALES DRIVEWAYS AND SIDEWALKS IMPACTED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER.
5. DURING NON-WORKING HOURS, ROADWAY SHALL BE RESTORED TO MINIM TWO LANE TWO-WAY ROADWAY. LENGTH OF WORK ZONE (WZL) SHALL CONSIDER THE ABILITY TO RESTORE THE EXISTING LANE CONFIGURATION AT THE END OF EACH WORK PERIOD.
6. PROVISION SHALL BE MADE BY CONTRACTOR FOR REMOVAL OF EXISTING STORMWATER SYSTEM.

REVISIONS				ANDRES CARDONA, P.E. P.E. LICENSE NUMBER 63917 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					TC-2A

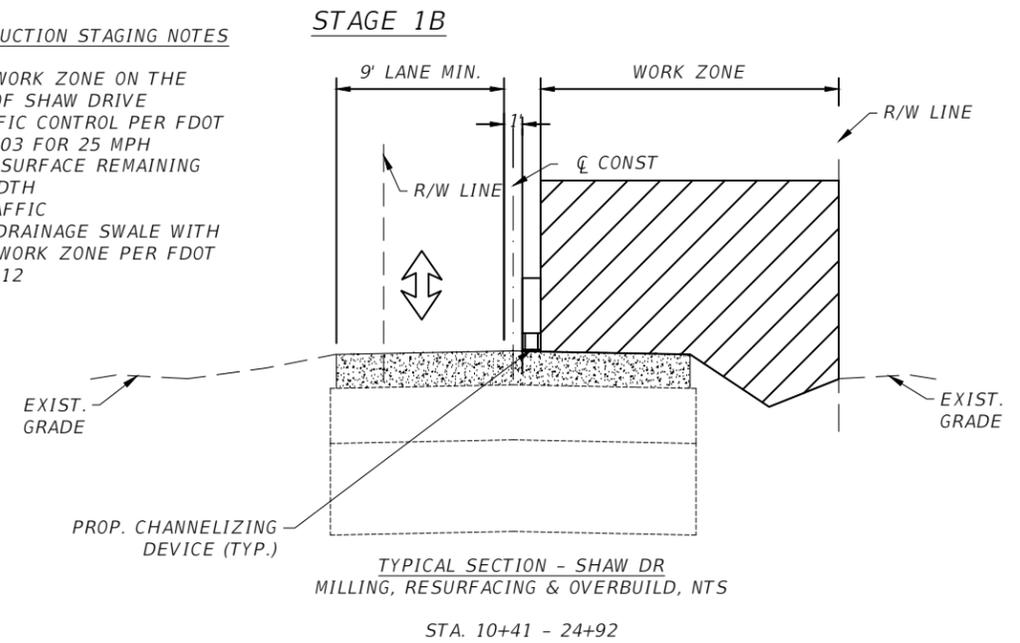
**STAGE 1A CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE WEST SIDE OF SHAW DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. CONSTRUCT DRAINAGE SYSTEM ALONG SHAW DRIVE
4. MILL AND RESURFACE MINIMUM WIDTH OF 11 FEET OF ROADWAY
5. REOPEN TO TRAFFIC



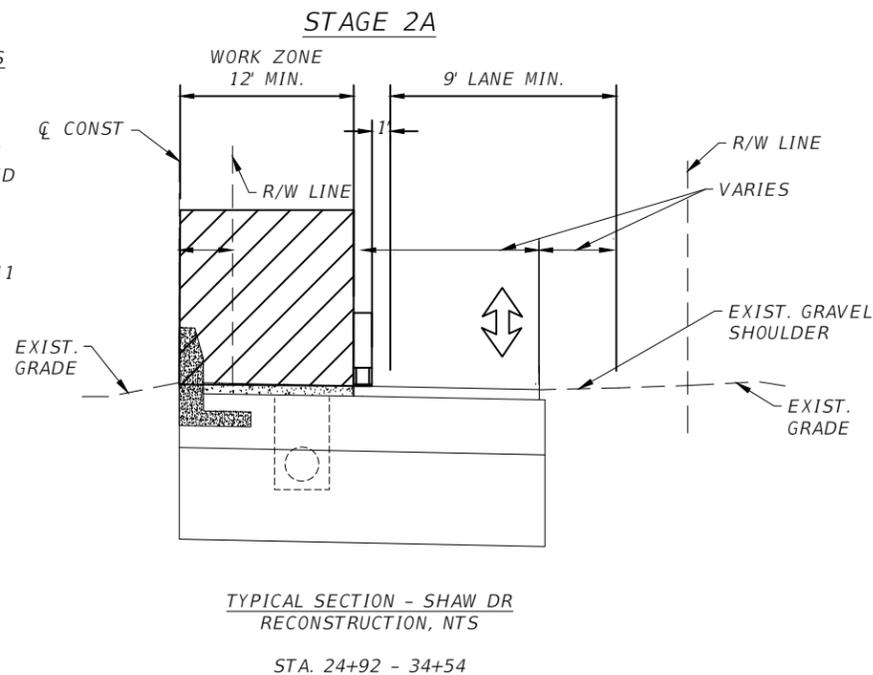
**STAGE 1A CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE EAST SIDE OF SHAW DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH
3. MILL AND RESURFACE REMAINING ROADWAY WIDTH
4. OPEN TO TRAFFIC
5. CONSTRUCT DRAINAGE SWALE WITH A REDUCED WORK ZONE PER FDOT INDEX 102-612



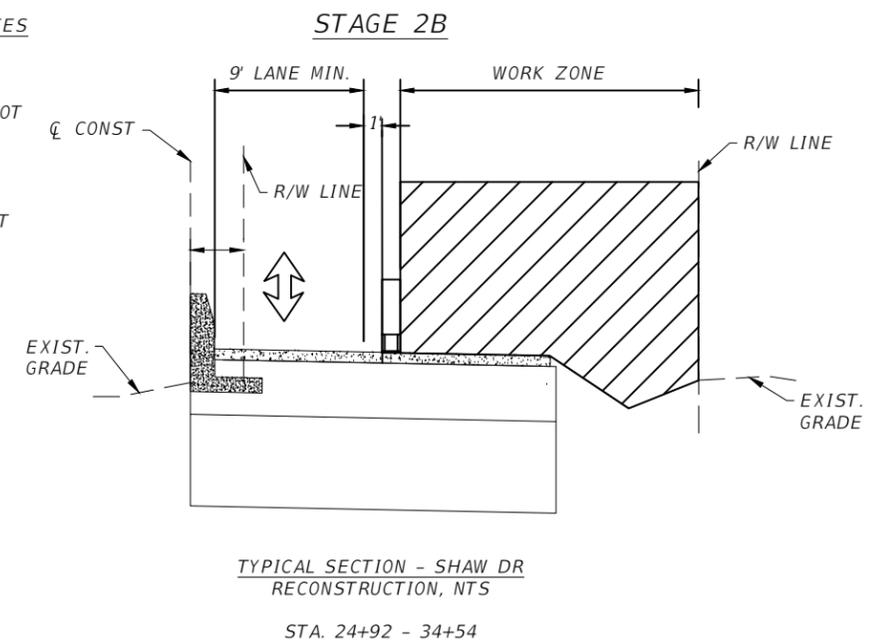
**STAGE 2A CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE WEST SIDE OF SHAW DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. CONTINUE CONSTRUCTION OF DRAINAGE SYSTEM
4. CONSTRUCT GRAVITY WALL
5. RESURFACE A MINIMUM WIDTH OF 11 FEET OF ROADWAY
6. OPEN TO TRAFFIC



**STAGE 2B CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE EAST SIDE OF SHAW DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH
3. RESURFACE AND OVERBUILD REMAINING ROADWAY WIDTH
4. OPEN TO TRAFFIC
5. ESTABLISH WORK ZONE PER FDOT INDEX 102-612 TO CONSTRUCT DRAINAGE SCALE



**SHAW DRIVE**

REVISIONS			
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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

TRAFFIC CONTROL PLAN

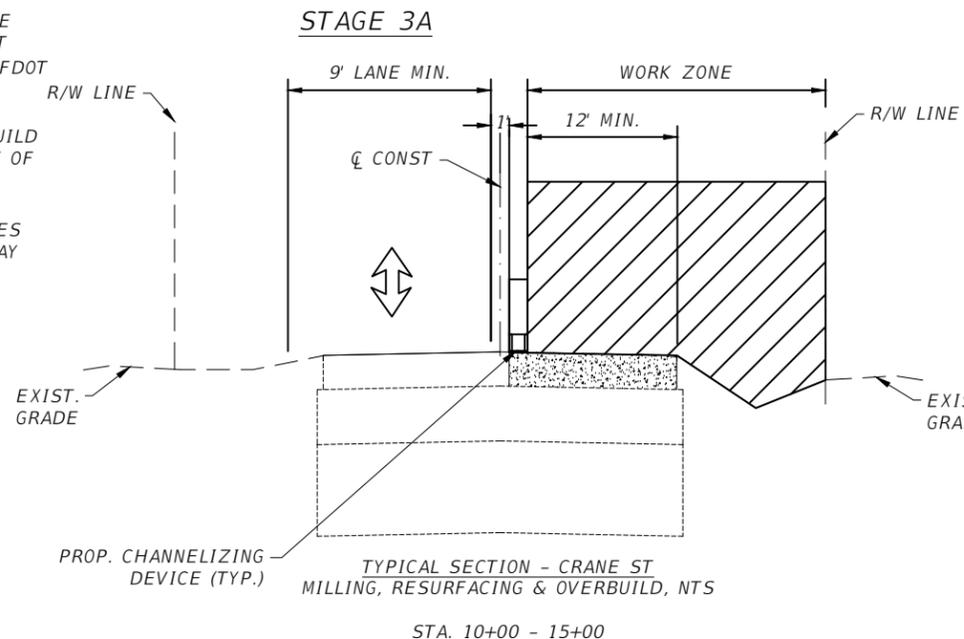
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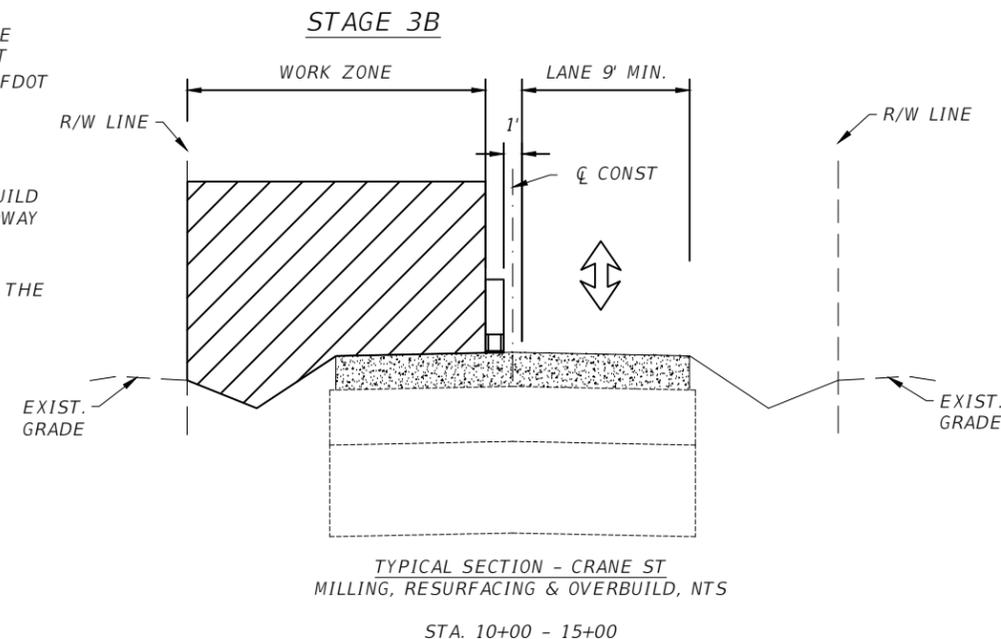
STAGE 3A CONSTRUCTION STAGING NOTES

1. ESTABLISH WORK ZONE ON THE SOUTH SIDE OF CRANE STREET
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD A MINIMUM WIDTH OF 12 FEET OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONSTRUCT DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY



STAGE 3B CONSTRUCTION STAGING NOTES

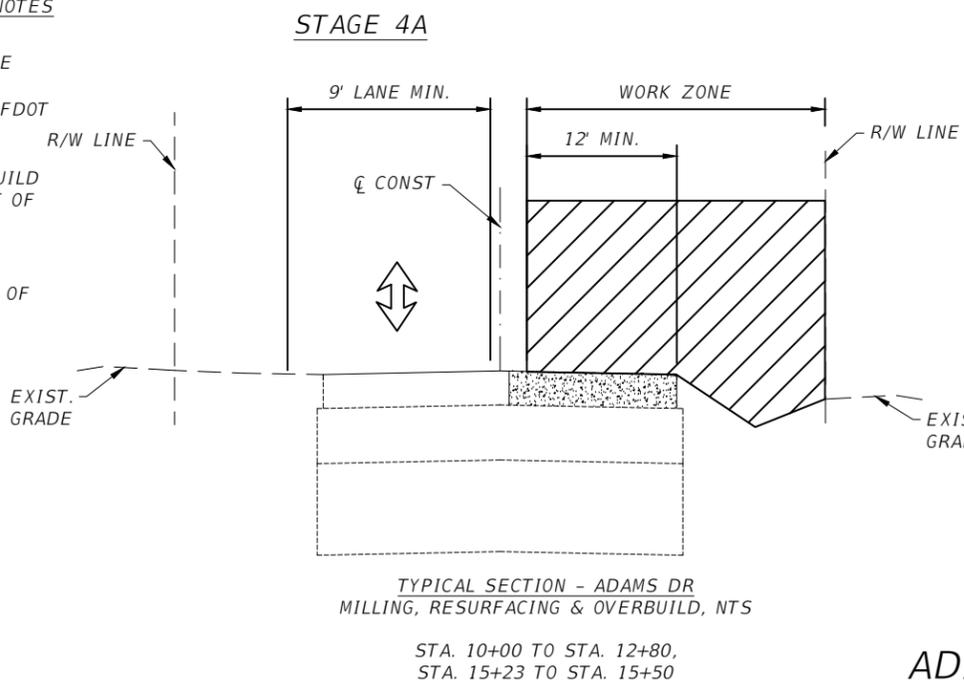
1. ESTABLISH WORK ZONE ON THE NORTH SIDE OF CRANE STREET
2. SETUP TRAFFIC CONTROL PER FDOT 102-603 FOR 25 MPH POSTED SPEED
3. CONSTRUCT DRAINAGE SYSTEM WITHIN THE TRAVELED WAY
4. MILL, RESURFACE, AND OVERBUILD THE REMAINDER OF THE ROADWAY
5. REOPEN LANE TO TRAFFIC
6. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE THE TRAVELED WAY



CRANE STREET

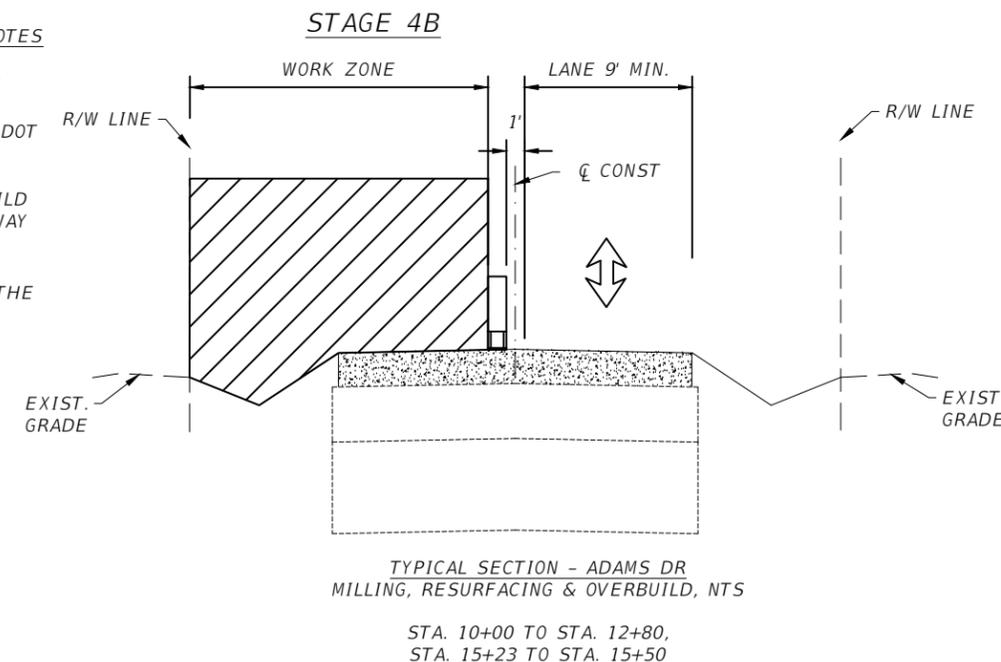
STAGE 4A CONSTRUCTION STAGING NOTES

1. ESTABLISH WORK ZONE ON THE EAST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD A MINIMUM WIDTH OF 12 FEET OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY



STAGE 4B CONSTRUCTION STAGING NOTES

1. ESTABLISH WORK ZONE ON THE WEST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT 102-603 FOR 25 MPH POSTED SPEED
3. MILL, RESURFACE, AND OVERBUILD THE REMAINDER OF THE ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE THE TRAVELED WAY



ADAMS DRIVE

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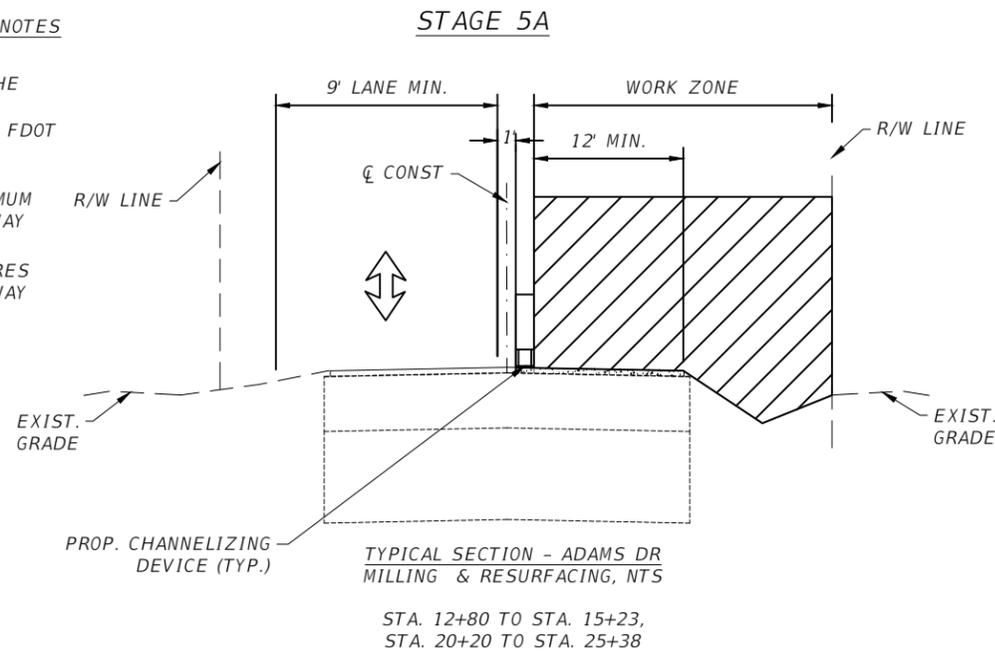
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TRAFFIC CONTROL PLAN

TC-4A

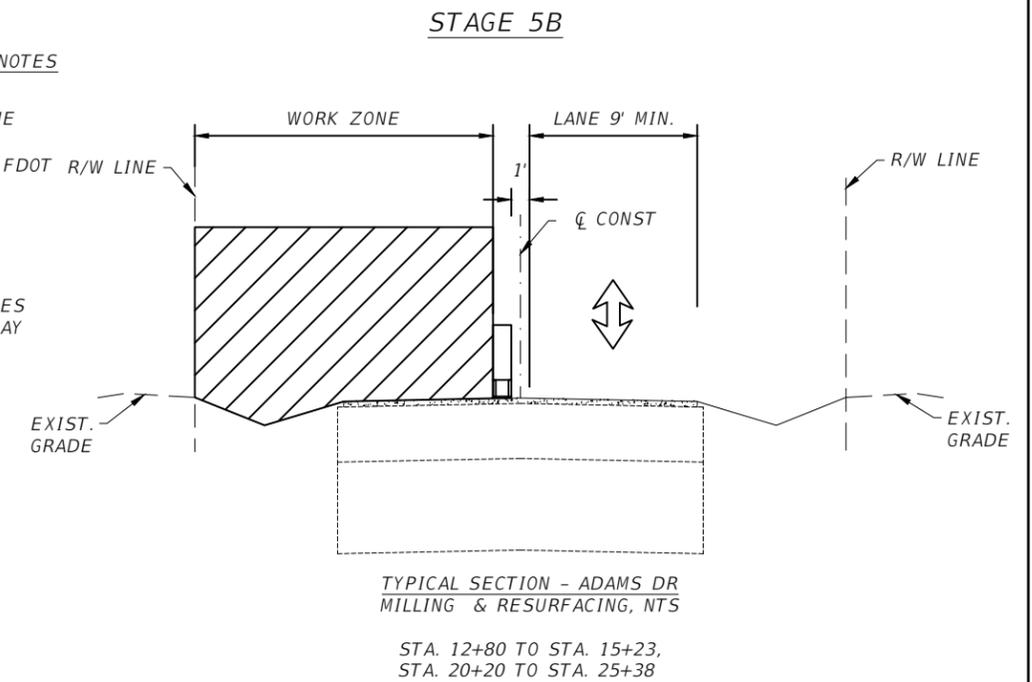
**STAGE 5A CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE EAST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL AND RESURFACE A MINIMUM WIDTH OF 11 FEET OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONSTRUCT DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY



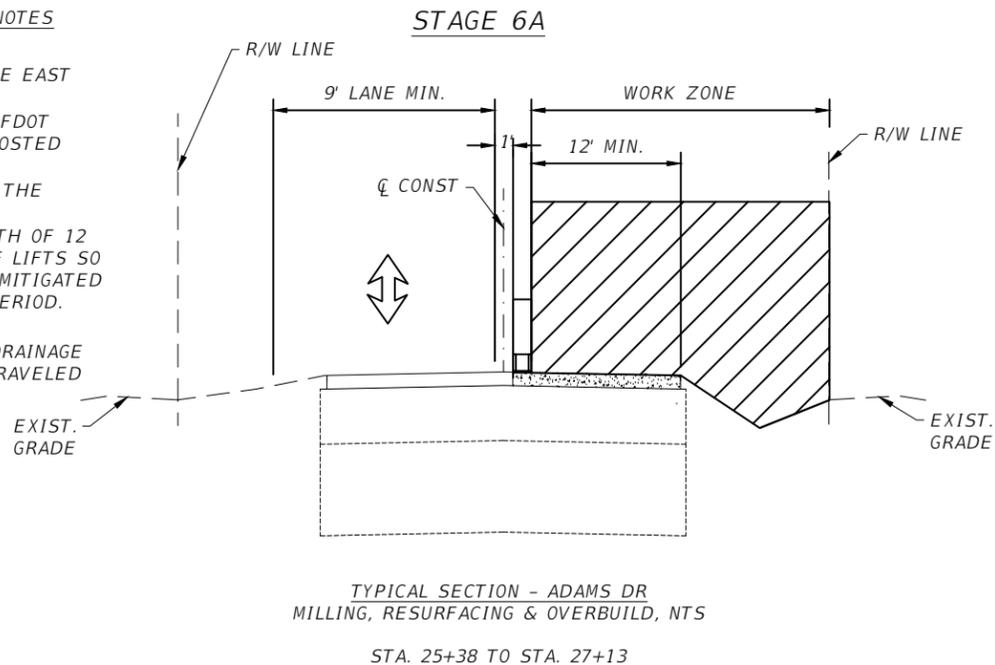
**STAGE 5B CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE WEST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. MILL AND RESURFACE THE REMAINDER OF ROADWAY
4. REOPEN LANE TO TRAFFIC
5. CONSTRUCT DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY



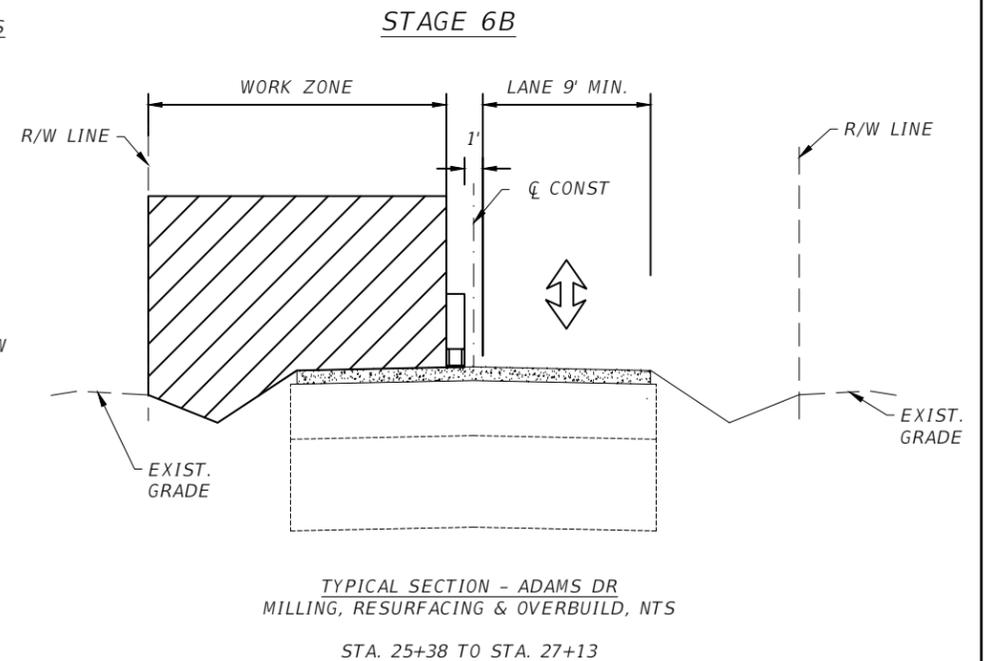
**STAGE 6A CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE EAST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. CONSTRUCT DRAINAGE WITHIN THE TRAVELED WAY
4. RECONSTRUCT A MINIMUM WIDTH OF 12 FEET OF ROADWAY, AND STAGE LIFTS SO GRADE DIFFERENCES CAN BE MITIGATED AT THE END OF EACH WORK PERIOD.
5. REOPEN LANE TO TRAFFIC
6. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE OF THE TRAVELED WAY



**STAGE 6B CONSTRUCTION STAGING NOTES**

1. ESTABLISH WORK ZONE ON THE WEST SIDE OF ADAMS DRIVE
2. SETUP TRAFFIC CONTROL PER FDOT INDEX 102-603 FOR 25 MPH POSTED SPEED
3. CONSTRUCT DRAINAGE WITHIN THE TRAVELED WAY
4. RECONSTRUCT THE REMAINDER OF THE ROADWAY IN LIFTS TO MATCH THE INTERIM GRADE OF THE ADJACENT LANE. INSTALL TEMPORARY GRAVEL ON THE EXISTING SHOULDER TO MATCH NEW GRADE.
5. REOPEN LANE TO TRAFFIC
6. CONTINUE CONSTRUCTION OF DRAINAGE FEATURES OUTSIDE THE TRAVELED WAY
7. IF FINAL GRADE HAS NOT BEEN ACHIEVED, RE-ESTABLISH STAGE 6A FOLLOWED BY STAGE 6B UNTIL FINAL GRADE IS ACHIEVED.



**ADAMS DRIVE**

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PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

TRAFFIC CONTROL PLAN

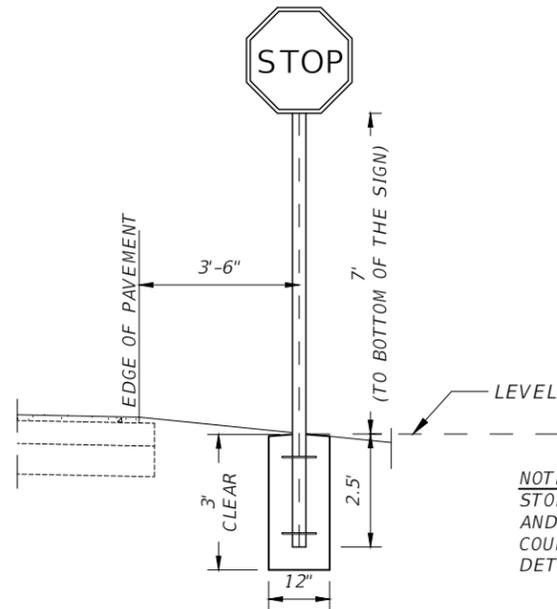
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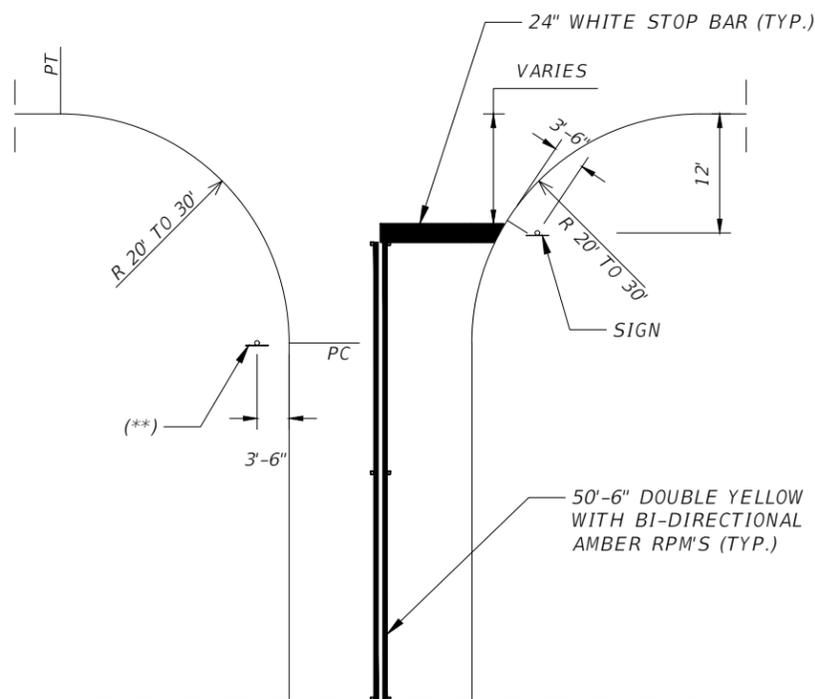
R1-R  
(30" X 30")

STOP SIGN DETAIL  
N.T.S



SIGN ADJACENT TO PAVEMENT WITHOUT CURB  
N.T.S

STREET / STOP SIGN LOCATION  
N.T.S



MINOR INTERSECTIONS

IN THRU STREET RUNS NORTH/SOUTH, THE STREET NAME SIGN WILL BE INSTALLED ON NORTHEAST CORNER, ABOVE STOP SIGN.  
IN THRU STREET RUNS EAST/WEST, THE STREET NAME SIGN WILL BE INSTALLED ON NORTHWEST CORNER, ABOVE STOP SIGN.  
WHERE STOP SIGN ARE REQUIRES, PLACE STREET NAME SIGN ABOVE SIGN (SEE MONROE COUNTY PUBLIC WORKS DEPT. STANDARD DETAIL R 14.2 AND COUNTY'S SPECIFICATIONS).

NOTE(\*\*)

IN CASES WHERE THE STREET DEAD ENDS AND HAS NO INTERSECTING STREETS, A WARNING SIGN NO OUTLET (W14-2), MUST BE INSTALLED ON THE OPPOSITE SIDE OF THE STREET. LOCATE AS DEPICTED IN DETAIL OR AS INDICATED IN PLANS.

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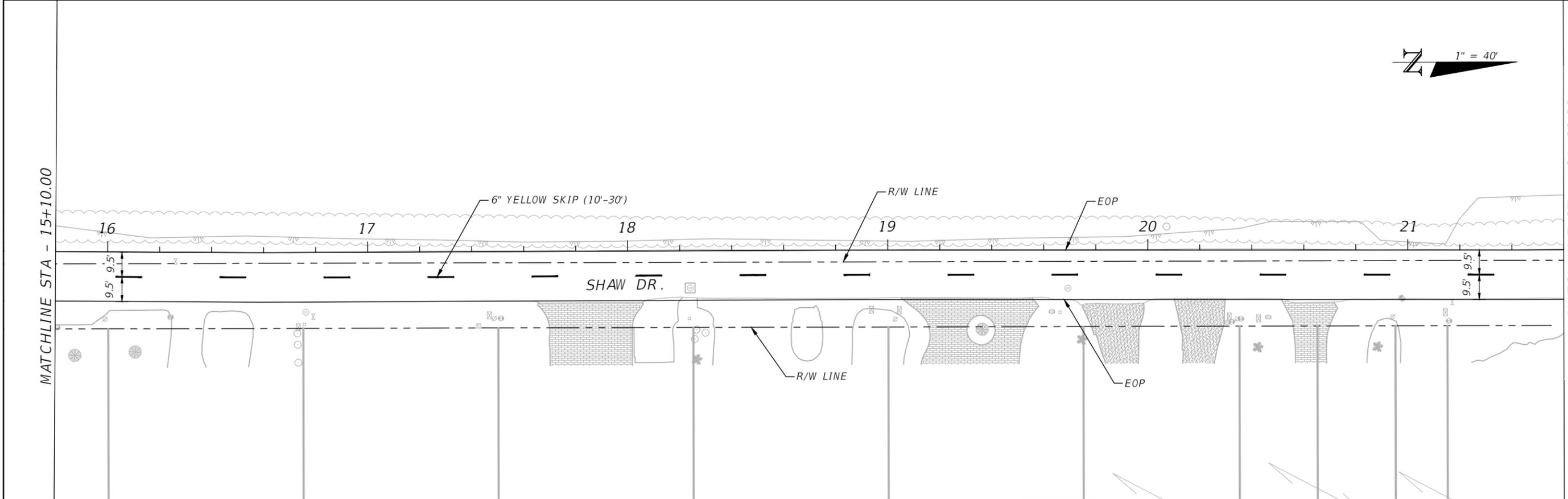
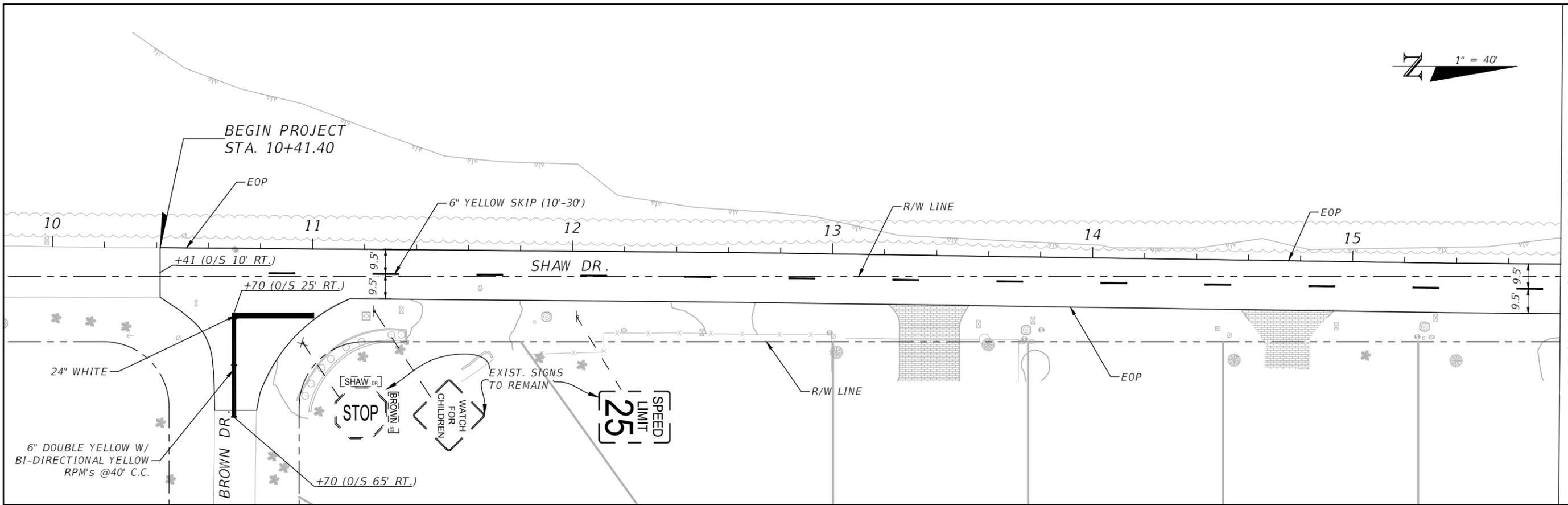


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SIGNING PAVEMENT MARKING DETAILS

SHEET NO.

SP-1A



REVISIONS			
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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SIGNING PAVEMENT MARKINGS PLAN

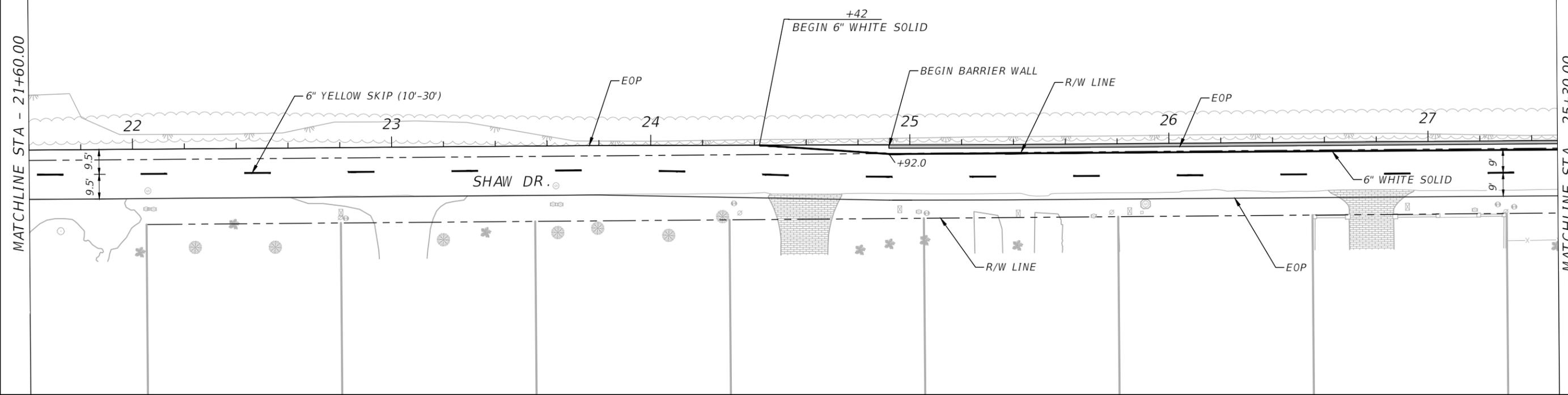
SHEET NO.  
 SP-2A

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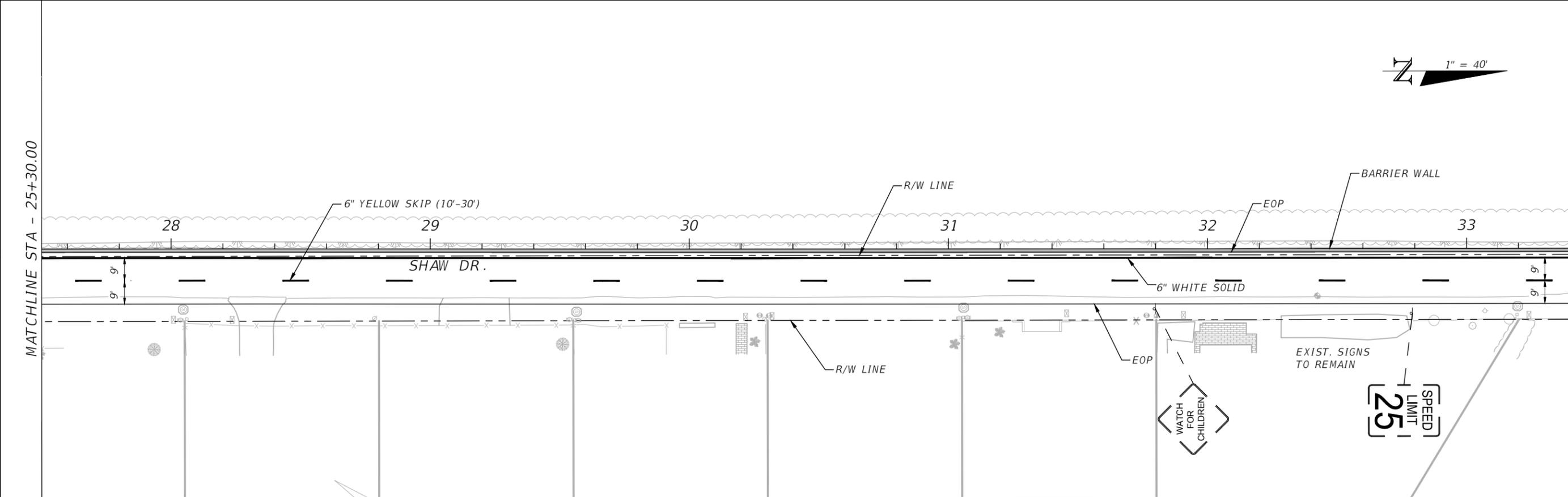
MATCHLINE STA - 21+60.00

MATCHLINE STA - 25+30.00



MATCHLINE STA - 25+30.00

MATCHLINE STA - 30+40.00



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

ANDRES CARDONA, P.E.  
 P.E. LICENSE NUMBER 63917  
 WSP USA, 7650 CORPORATE CENTER DRIVE,  
 SUITE 300, MIAMI, FLORIDA 33126  
 CERTIFICATE OF AUTHORIZATION 01462



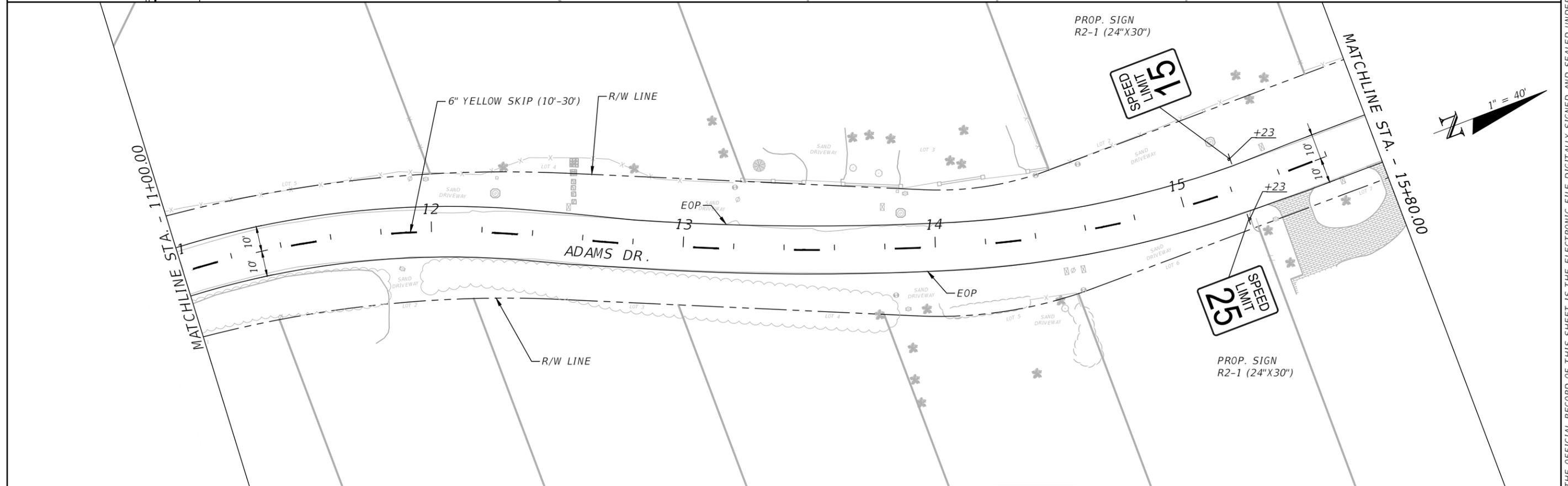
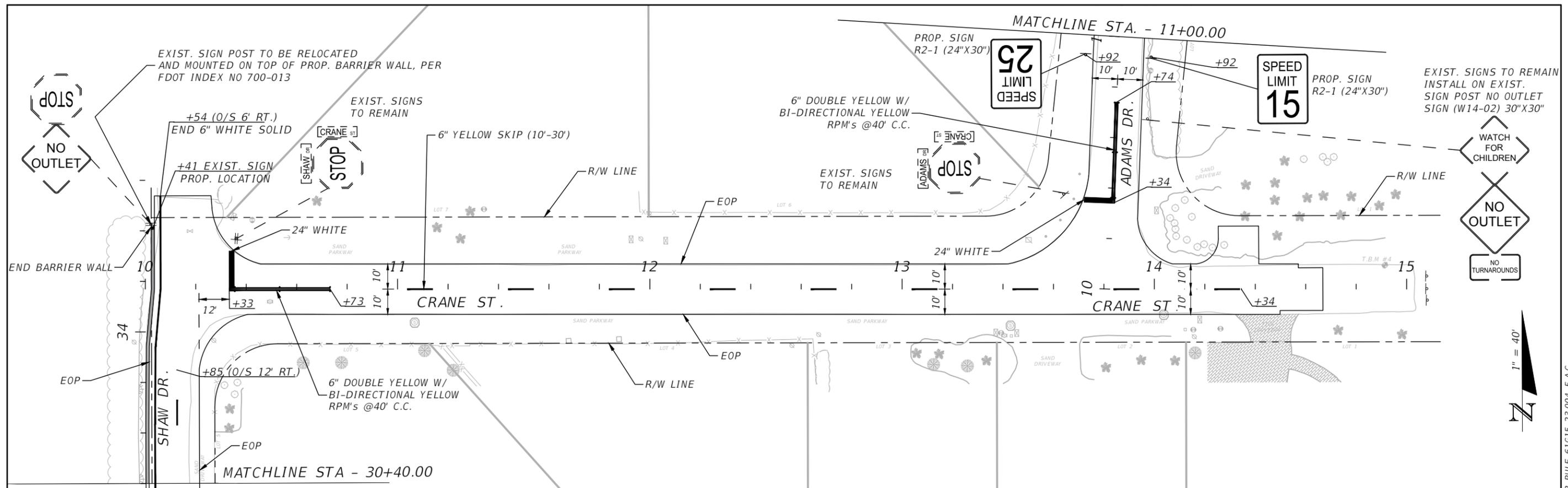
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

SIGNING PAVEMENT MARKINGS PLAN

SP-3A

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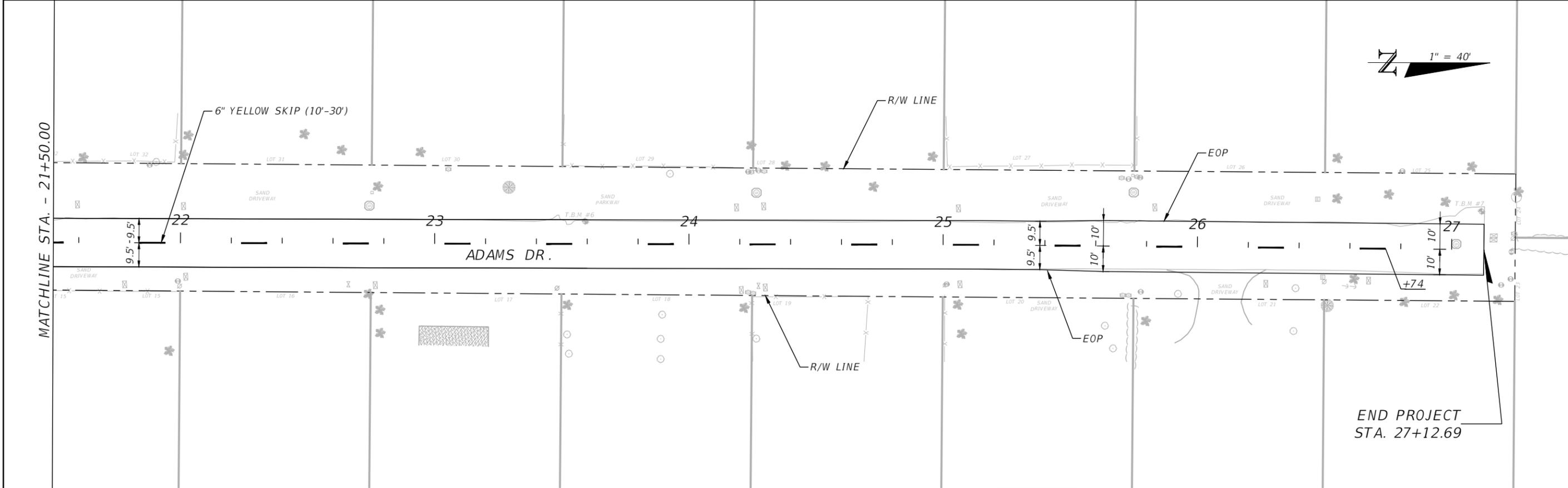
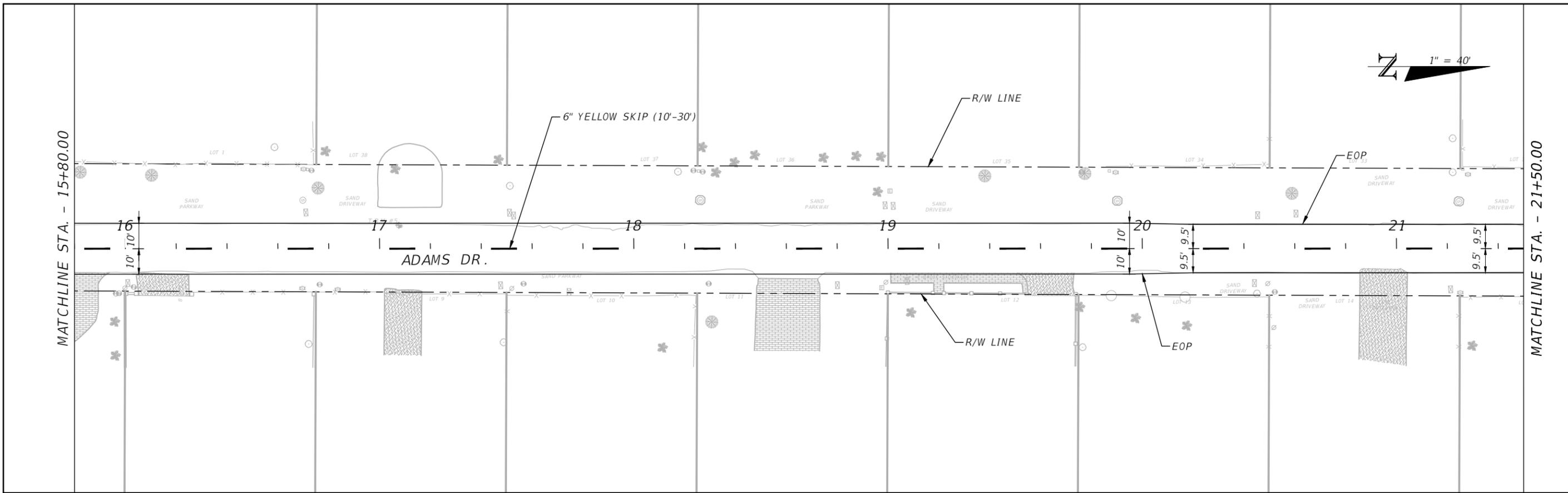


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SIGNING PAVEMENT MARKINGS PLAN

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 SP-4A

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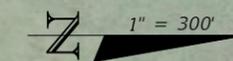


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

SIGNING PAVEMENT MARKINGS PLAN

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 SP-5A

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**LEGEND**

- DRAINAGE AREA
- RIGHT OF WAY
- PROPERTY LINE

REVISIONS				WERNER REINEFELD, P.E. P.E. LICENSE NUMBER 63042 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				DRAINAGE MAP	PS-1A

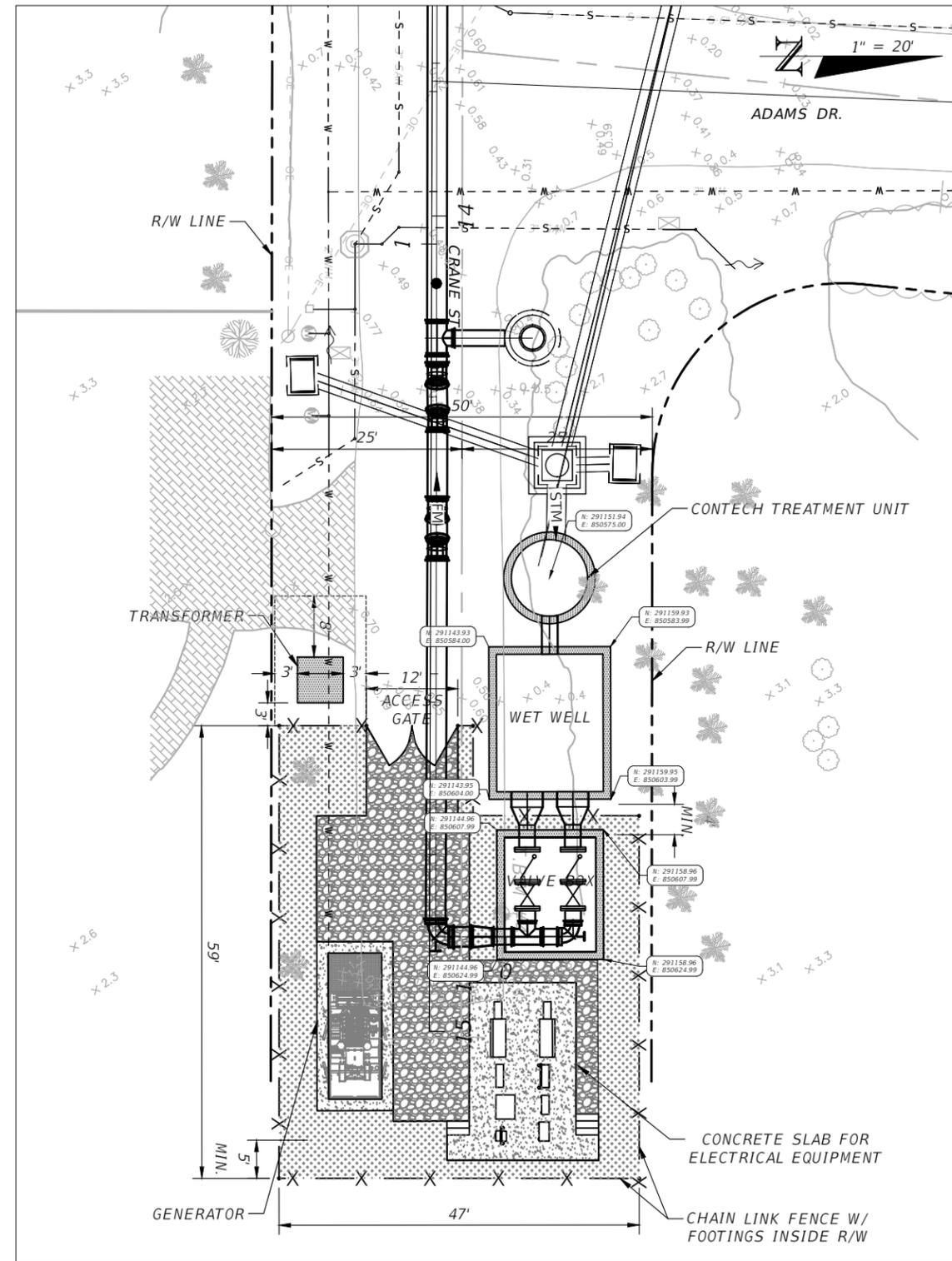
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**GENERAL NOTES:**

1. PROPOSED IMPROVEMENTS SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
2. CONTRACTOR SHALL PERFORM ALL WORK WITHIN LEGAL PROPERTY AND EASEMENT, AND SHALL NOT DISTURB ADJACENT PROPERTY.
3. CONTRACTOR SHALL INCLUDE NECESSARY CUTTING, PATCHING AND RESTORATION OF ALL EXISTING SURFACES TO MATCH SURROUNDING AREAS.
4. FIELD VERIFY ALL ELEVATIONS PRIOR TO COMMENCING THE WORK.
5. CONTRACTOR SHALL VERIFY EXISTING PIPING TO REMAIN BEFORE ORDERING PROPOSED PIPING/FITTINGS CONNECTING TO IT.
6. CARE SHOULD BE TAKEN TO AVOID DISTURBING EXISTING ELECTRICAL SERVICE IN THE AREA UNDER CONSTRUCTION.
7. MECHANICAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND COORDINATE NEW WORK TO BE DONE WITH THEIR TRADES PRIOR TO COMMENCING IT. THE MECHANICAL WORK SHALL BE SCHEDULED SO THAT IT WILL OCCUR IN THE PROPER SEQUENCE AND WITHOUT DELAYING THE COMPLETION OF THE WORK.
8. SHEET PILING MAY BE REQUIRED FOR EXCAVATION. IF SO CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STATE OF FLORIDA LICENSED PROFESSIONAL ENGINEER.

**LEGEND**

- RIGHT OF WAY
- PROPERTY LINE
- X-X- CHAIN LINK FENCE
- STM— STORM SEWER
- FM— FORCE MAIN
- FIRE HYDRANT
- ⊙ WATER VALVE
- ⊗ VALVE
- ⊙ SANITARY MANHOLE
- ⊙ SANITARY VALVE
- ⊙ UTILITY POLE
- ⊙ MAILBOX
- ⊙ SIGN
- [Hatched Box] PROPOSED STRUCTURE
- [Dotted Box] PROPOSED GRAVEL
- [Cross-hatched Box] PROPOSED COMPACTED GRAVEL



**PROPOSED PUMP STATION SITE PLAN**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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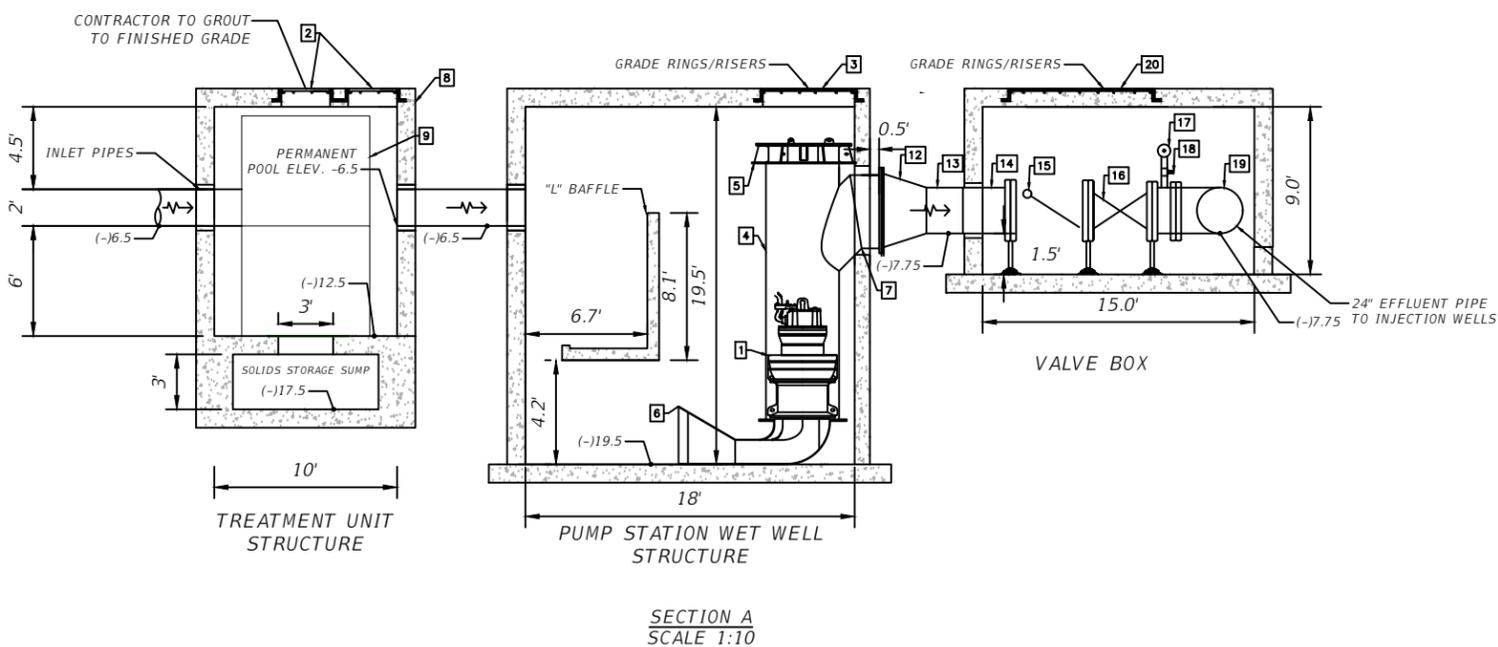
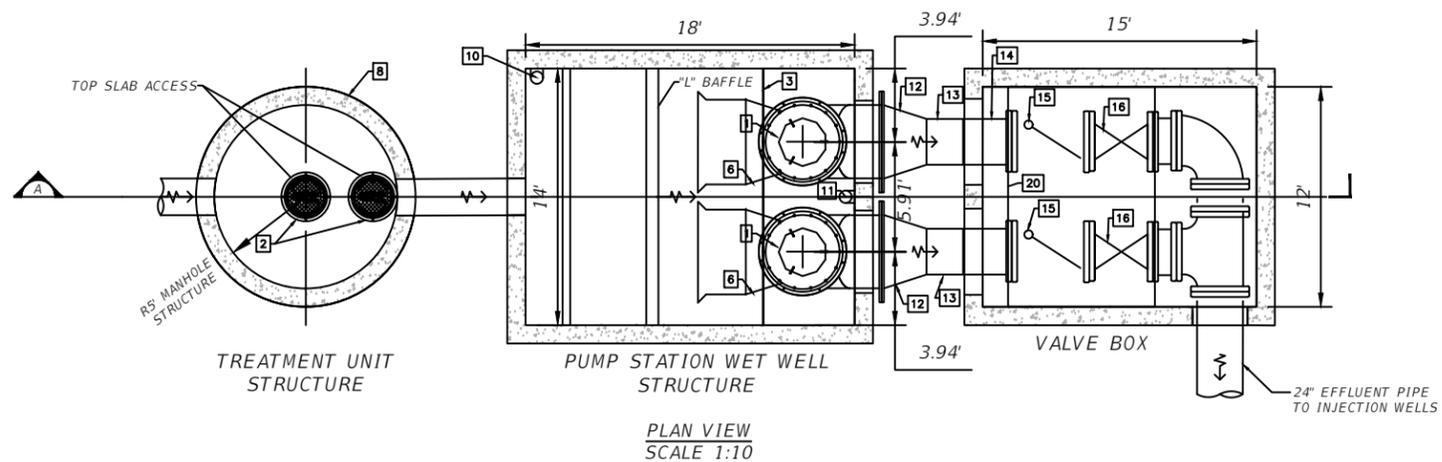
SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

PUMP STATION SITE PLAN

PS-2A

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MECHANICAL BILL OF MATERIALS			
#	DESCRIPTION	UNIT	QTY.
1.0	SHROUDED SINGLE OR MULTI-CHANNEL MIXED FLOW IMPELLER PUMP, FLYGT MODEL LL3602/845; STAINLESS STEEL 4 BLADE 675mm Ø IMPELLER; 460V/185hp 3 PHASE MOTOR MODEL L0845.000 54-52-14AA-W; SUBMERSIBLE CABLE, PUMP SUPPORT, LIFTING CHAIN, LIFT TUBE WITH ELBOW AND FLANGE CONNECTION, AND ALL OTHER ITEMS REQUIRED FOR COMPLETE INSTALLATION.	EA.	2
2.0	30" MANHOLE COVER - HS20 LOAD RATED (CONTECH)	EA.	2
3.0	60"x168" ALUMINUM ACCESS HATCH, HS20 RATED, W/ AUTOMATIC HOLD OPEN ARM & SLAM LOCK	EA.	1
4.0	48" VERTICAL DISCHARGE PIPE STAINLESS STEEL (FLYGT)	EA.	2
5.0	48" DISCHARGE ELBOW COVER (FLYGT)	EA.	2
6.0	48" FORMED SUCTION INTAKE (FLYGT)	EA.	2
7.0	48" DISCHARGE ELBOW WITH FLANGED END (ANSI 125 - FLYGT)	EA.	2
8.0	POLLUTION TREATMENT UNIT - CONTECH CDS MODEL CDS5653-10C	EA.	1
9.0	FIBERGLASS INLET FLUME FOR CONTECH CDS	EA.	1
10.0	LEVEL SENSOR - PRESSURE TRANSDUCER (FLYGT)	EA.	1
11.0	LEVEL SENSOR - FLOAT (FLYGT)	EA.	1
12.0	STAINLESS STEEL FLG. ELBOW (FLYGT)	EA.	2
13.0	24" SPOOL PIECE D.I.P. FLG./PLAIN END (2 L.F.)	EA.	2
14.0	24" D.I.P. (2.5 L.F.)	EA.	2
15.0	HORIZONTAL SWING 24" DIA. CHECK VALVE FLANGED	EA.	2
16.0	24" DIA. GATE VALVE FLANGED	EA.	2
17.0	PRESSURE GAUGES	EA.	2
18.0	1" DIA. GATE VALVE	EA.	2
19.0	24" D.I.P. (3 L.F.)	EA.	2
20.0	120"x144" ALUMINUM ACCESS HATCH, HS20 RATED, W/ AUTOMATIC HOLD OPEN ARM & SLAM LOCK	EA.	1

PUMP SCHEDULE	
HIGH WATER ALARM	(-) 7.00 FT NAVD
ALL PUMPS ON	(-) 8.50 FT NAVD
LAG PUMP ON	(-) 9.50 FT NAVD
LEAD PUMP ON	(-) 10.50 FT NAVD
PUMPS OFF	(-) 18.50 FT NAVD
LOW WATER ALARM	(-) 19.00 FT NAVD

REVISIONS			
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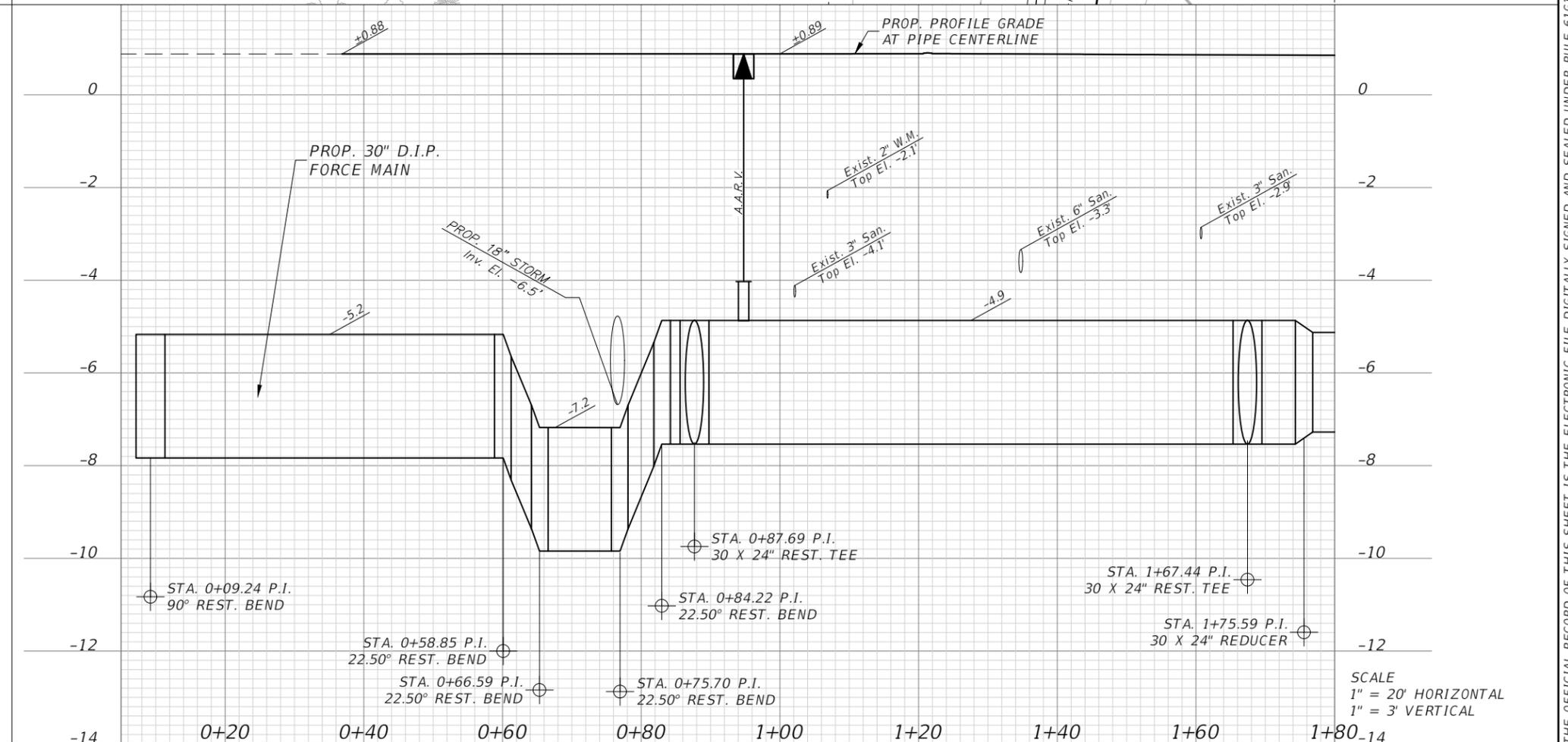
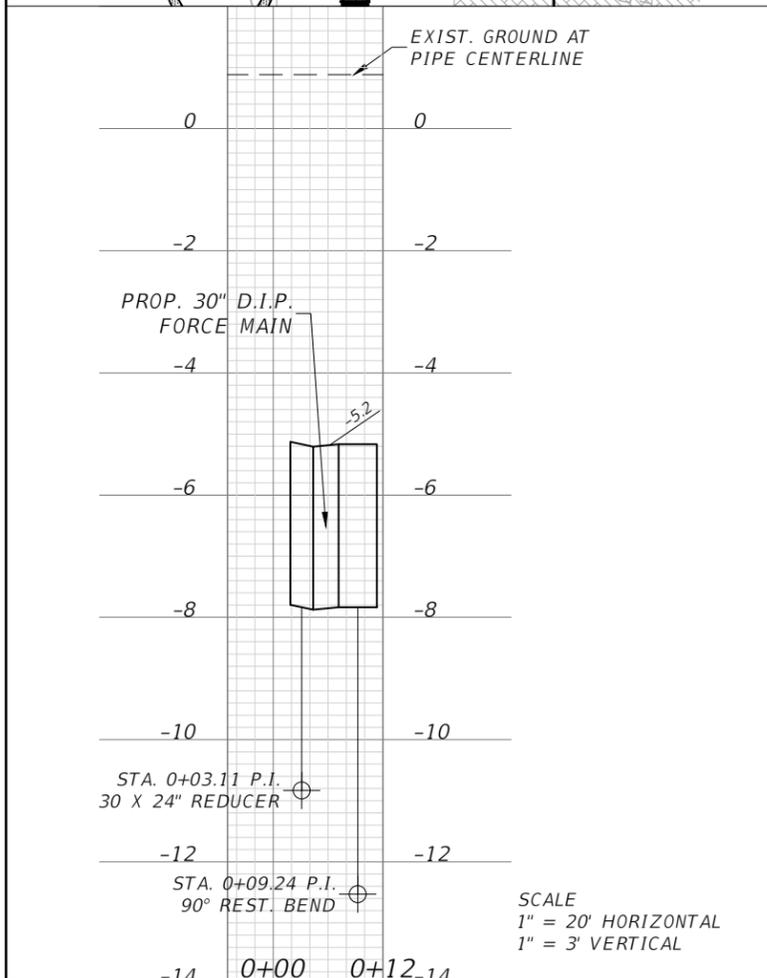
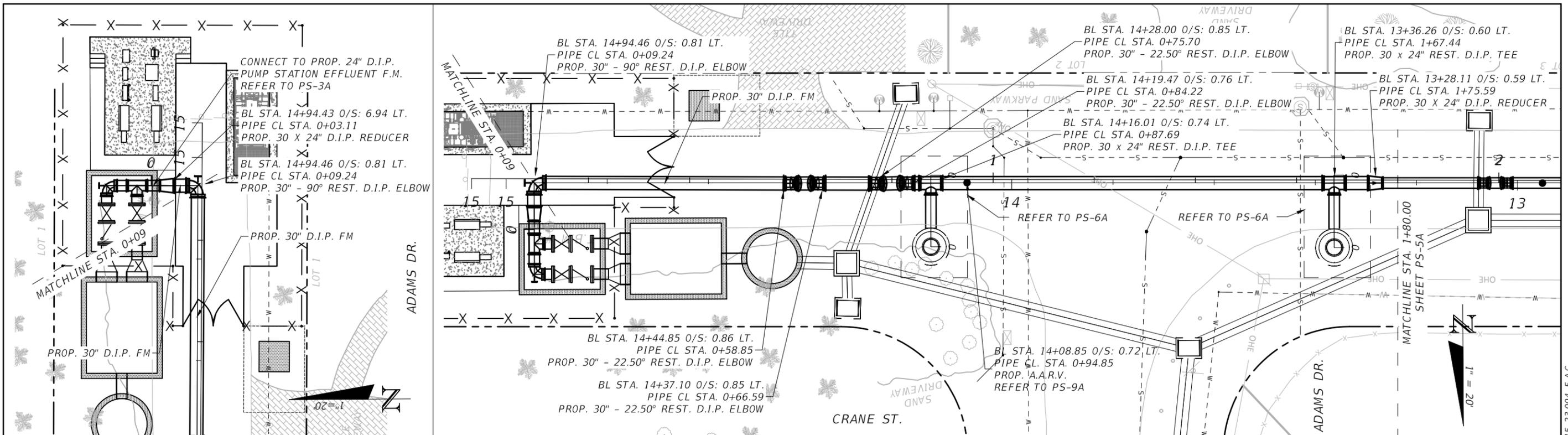


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET NO.

PUMP STATION MECHANICAL LAYOUT

PS-3A



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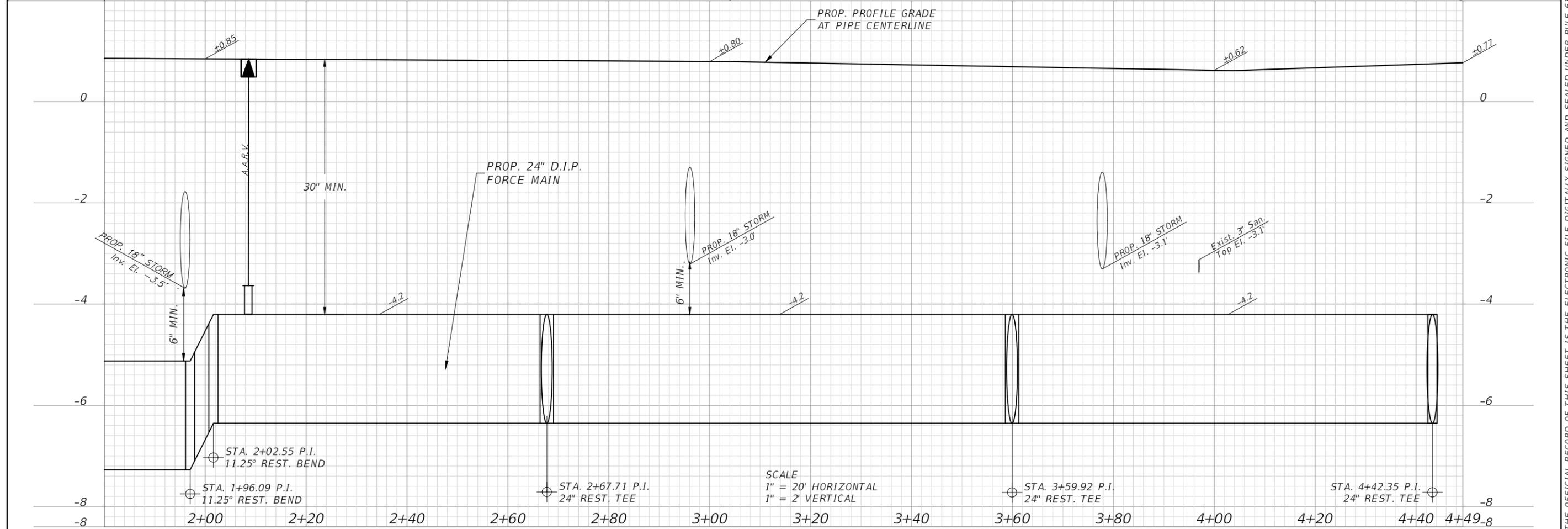
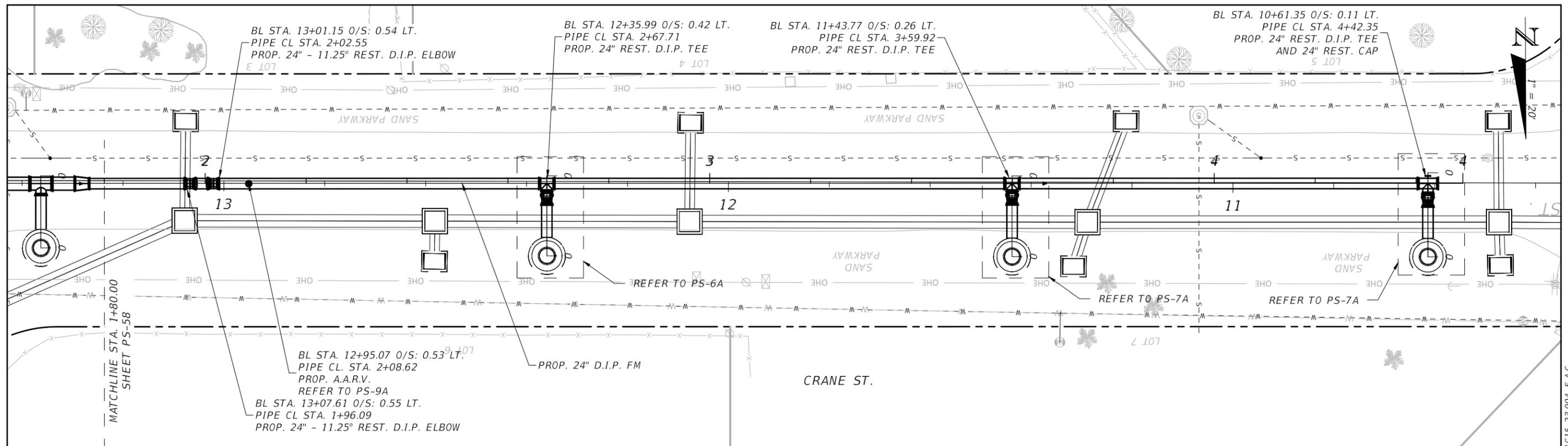


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

FORCE MAIN PLAN & PROFILE

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PS-4A

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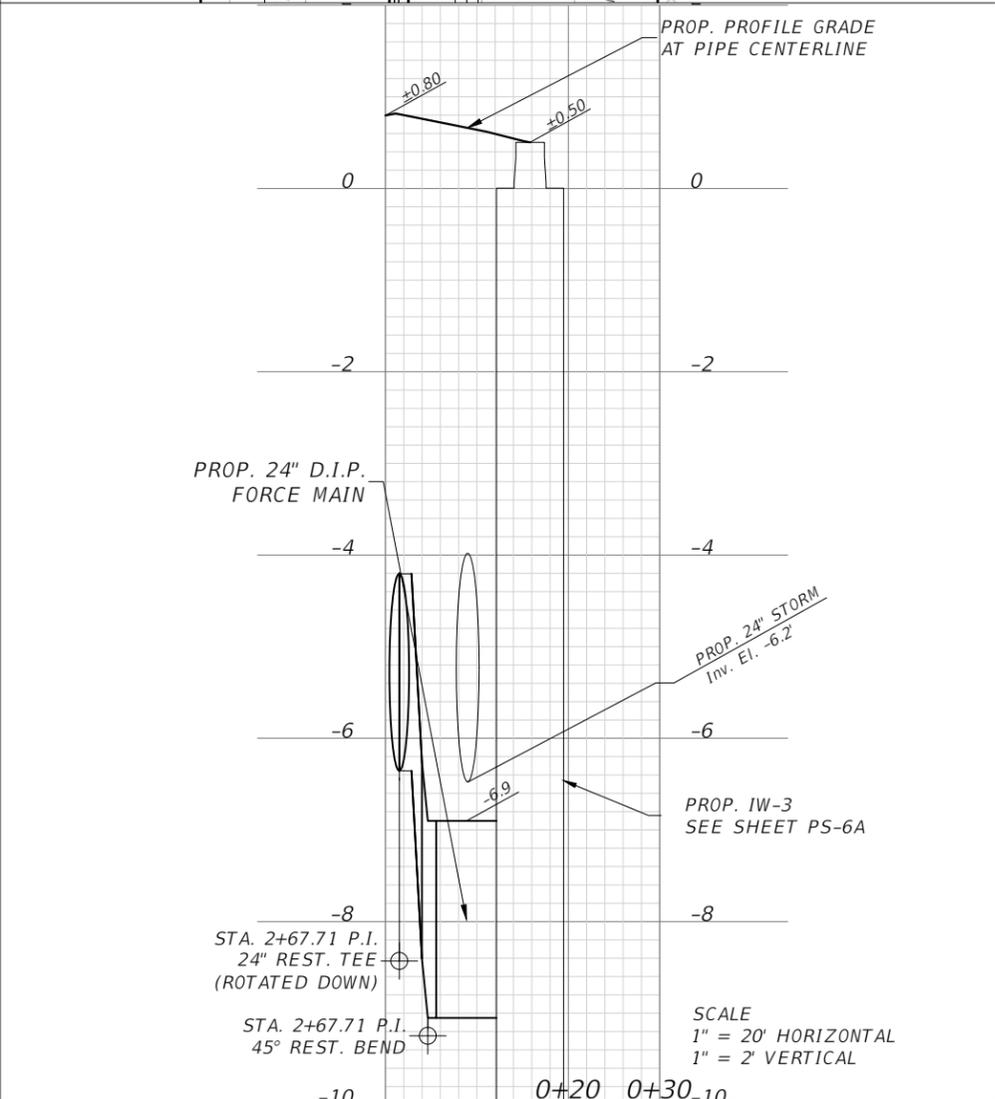
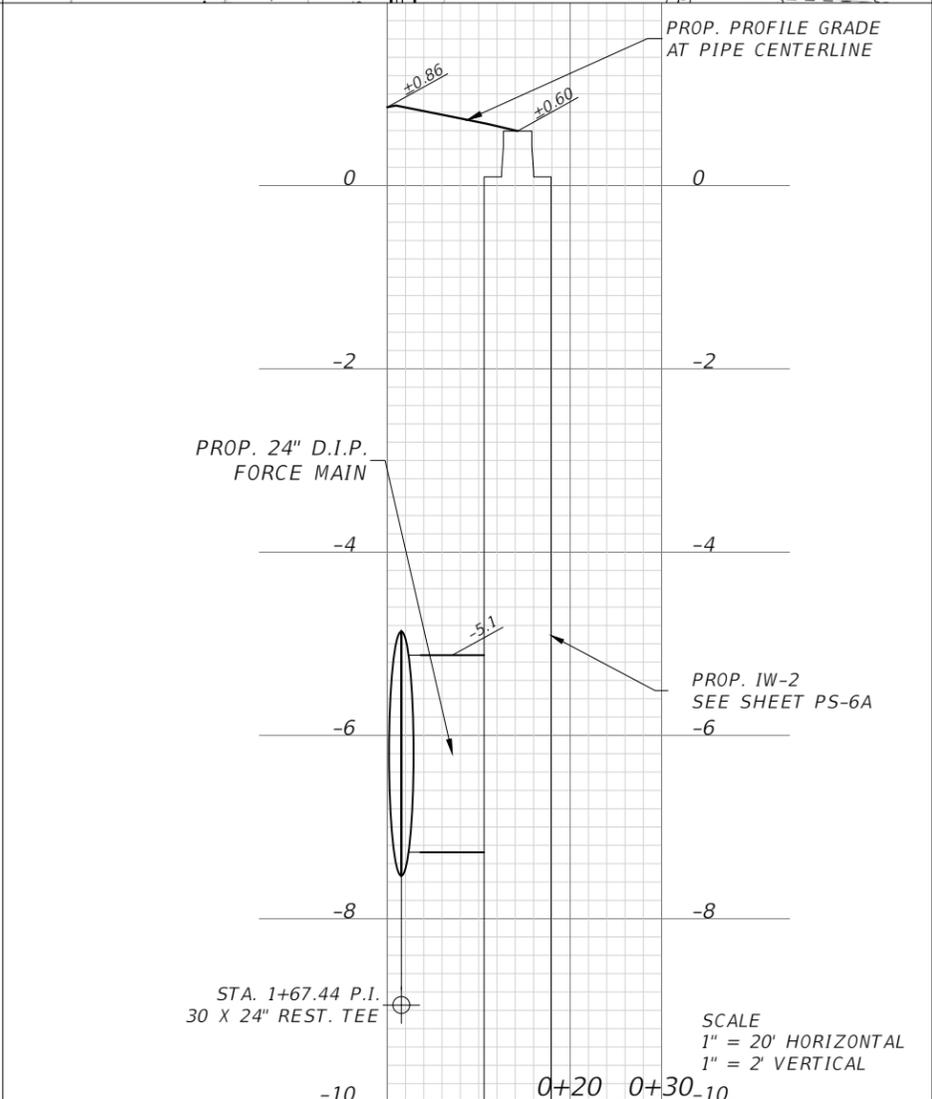
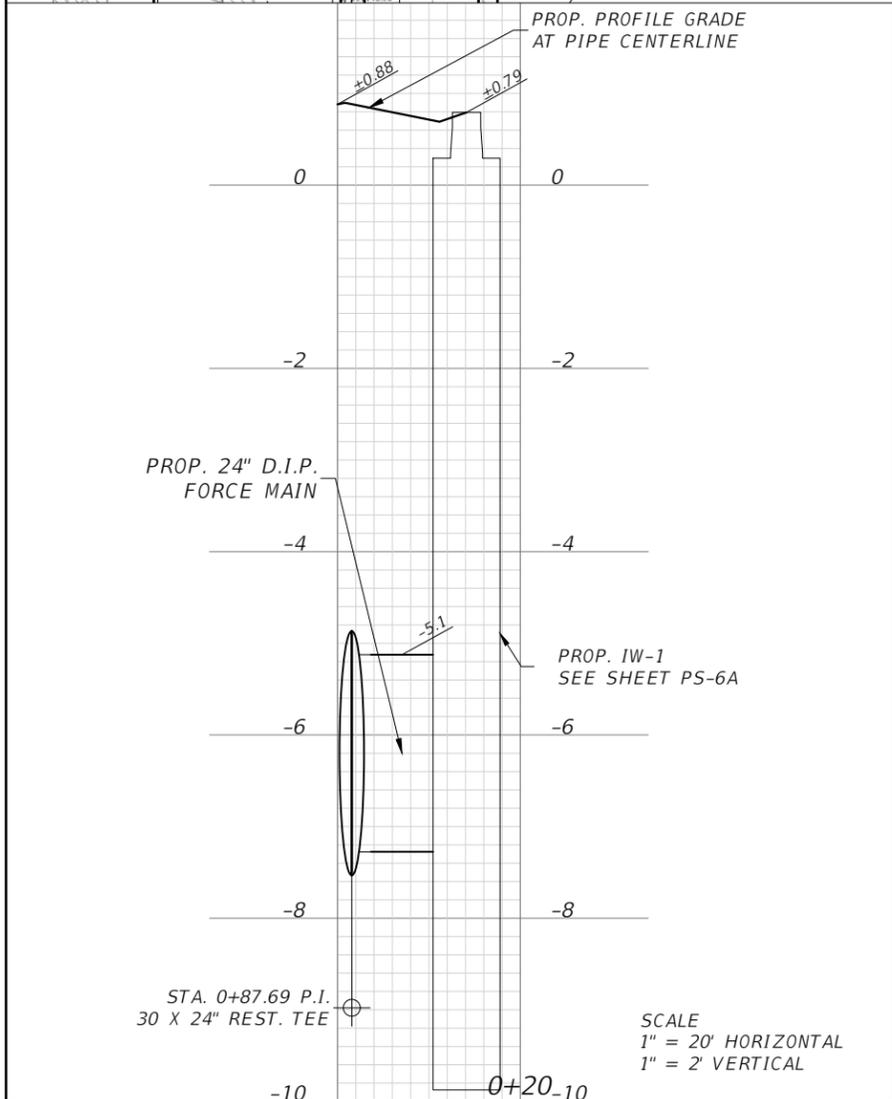
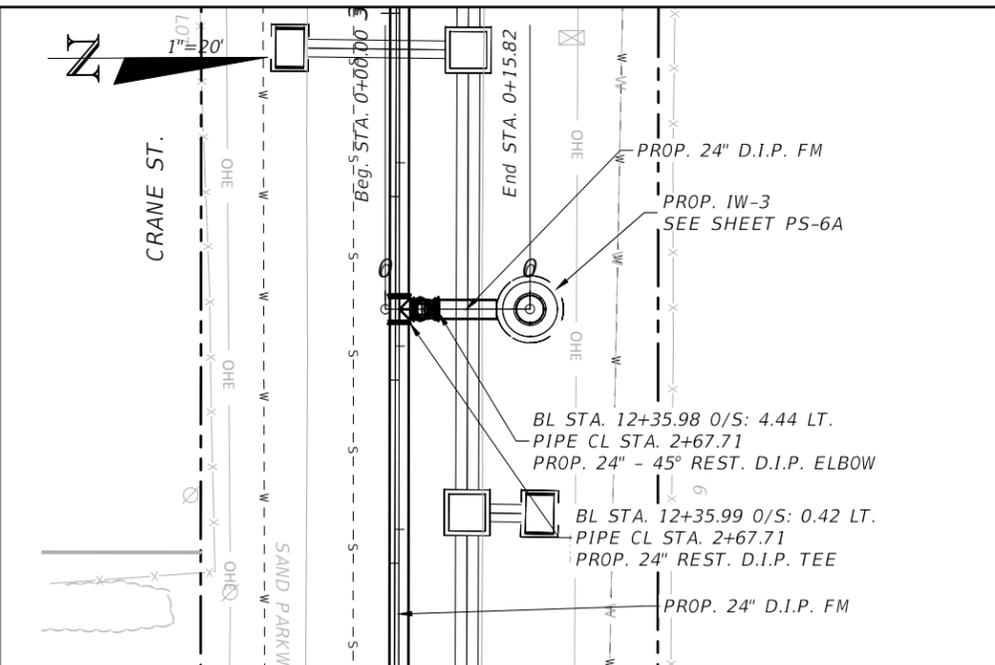
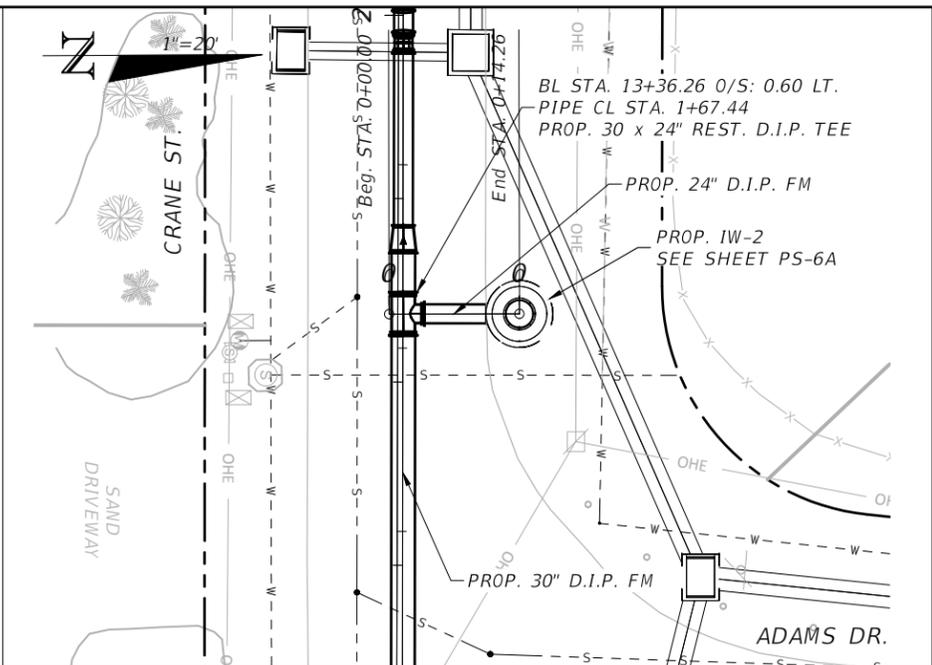
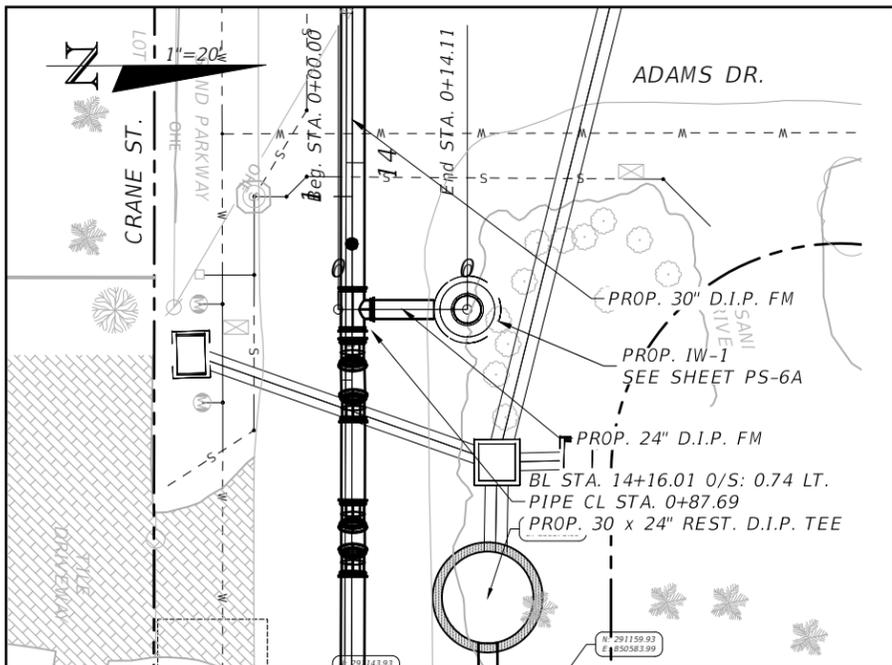


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

FORCE MAIN PLAN & PROFILE

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PS-5A

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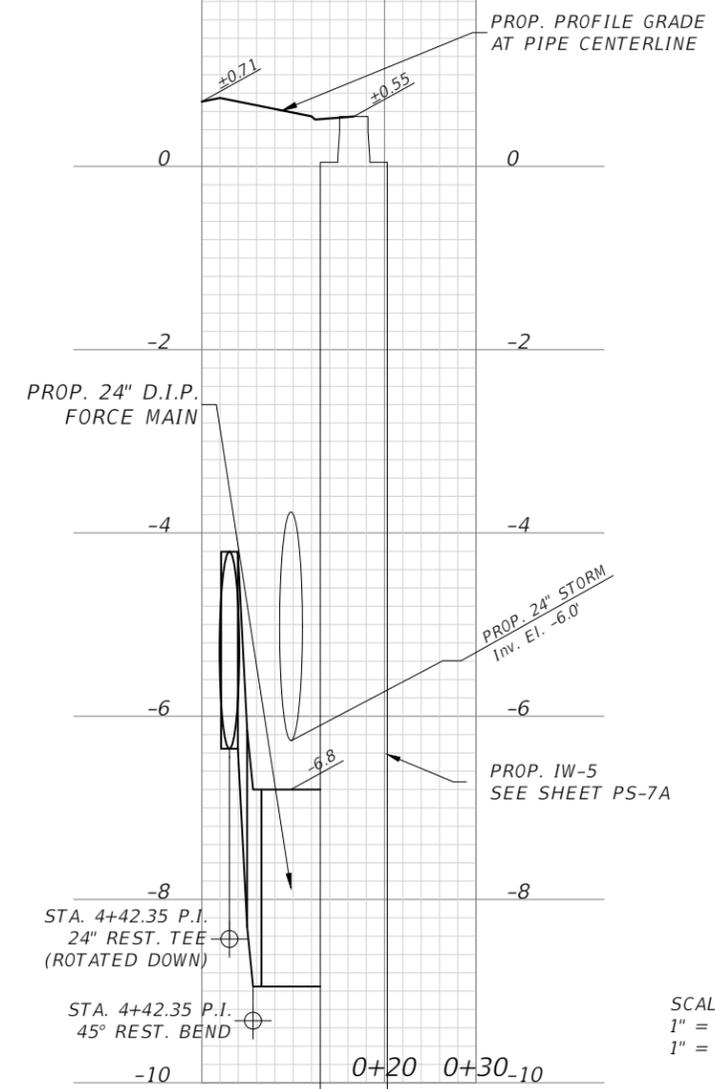
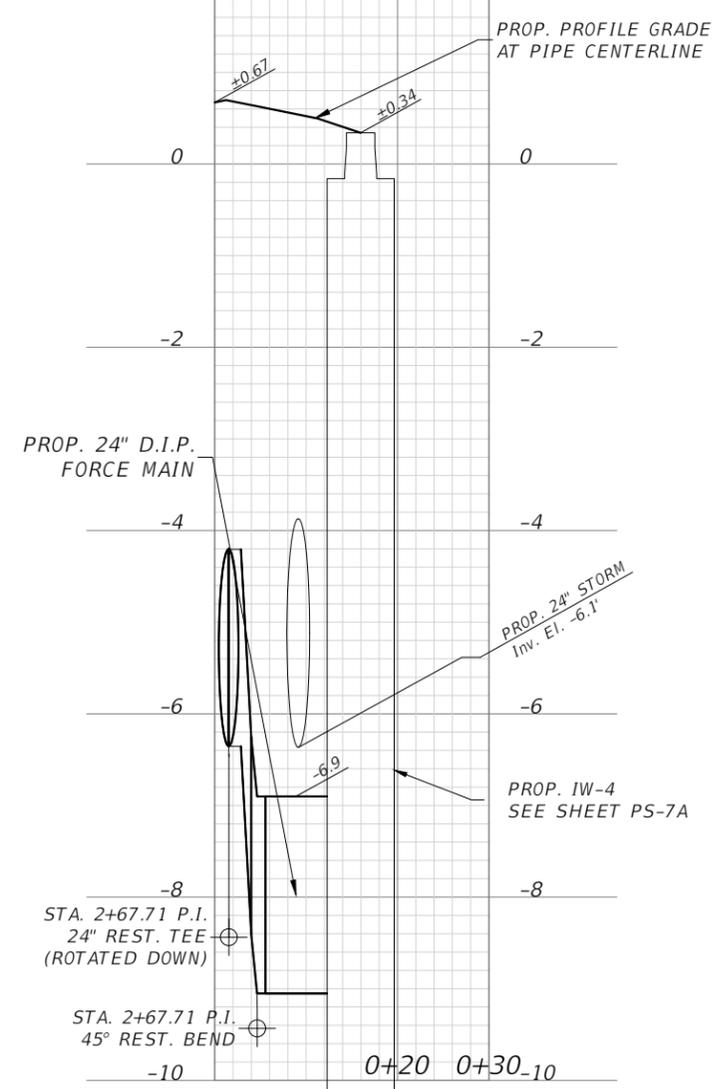
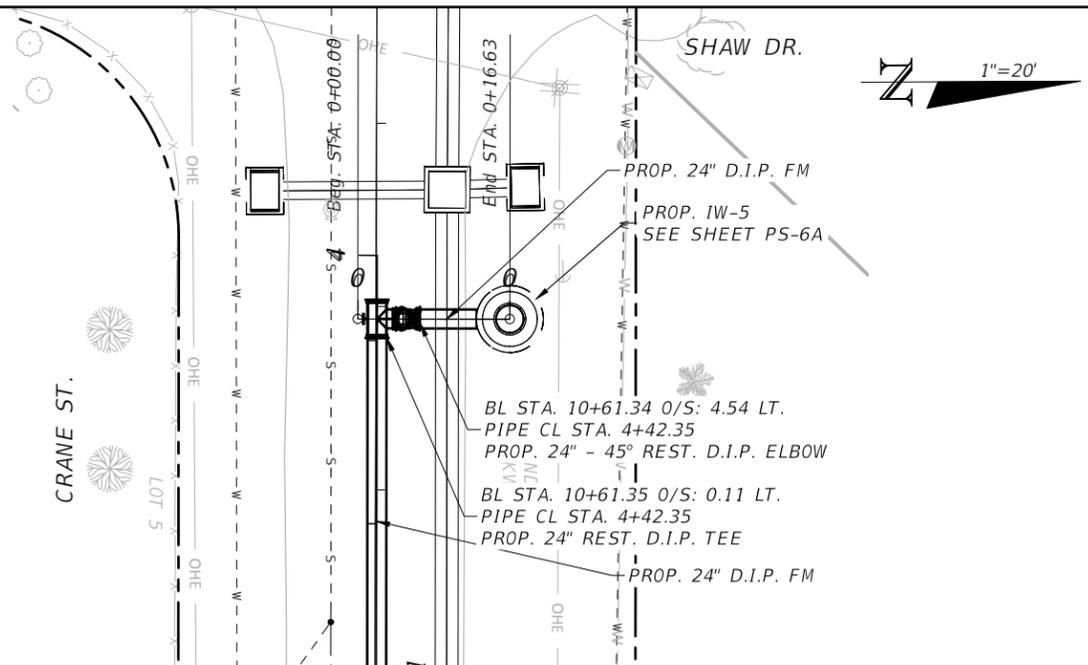
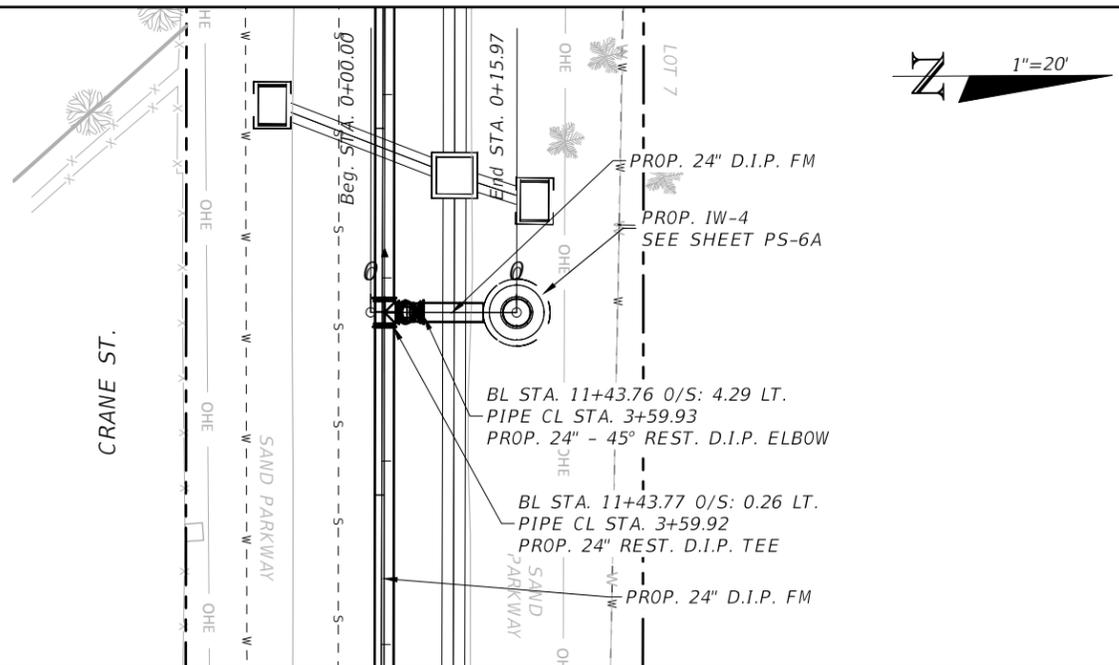


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

INJECTION WELL PLAN & PROFILE

SHEET NO.  
PS-6A

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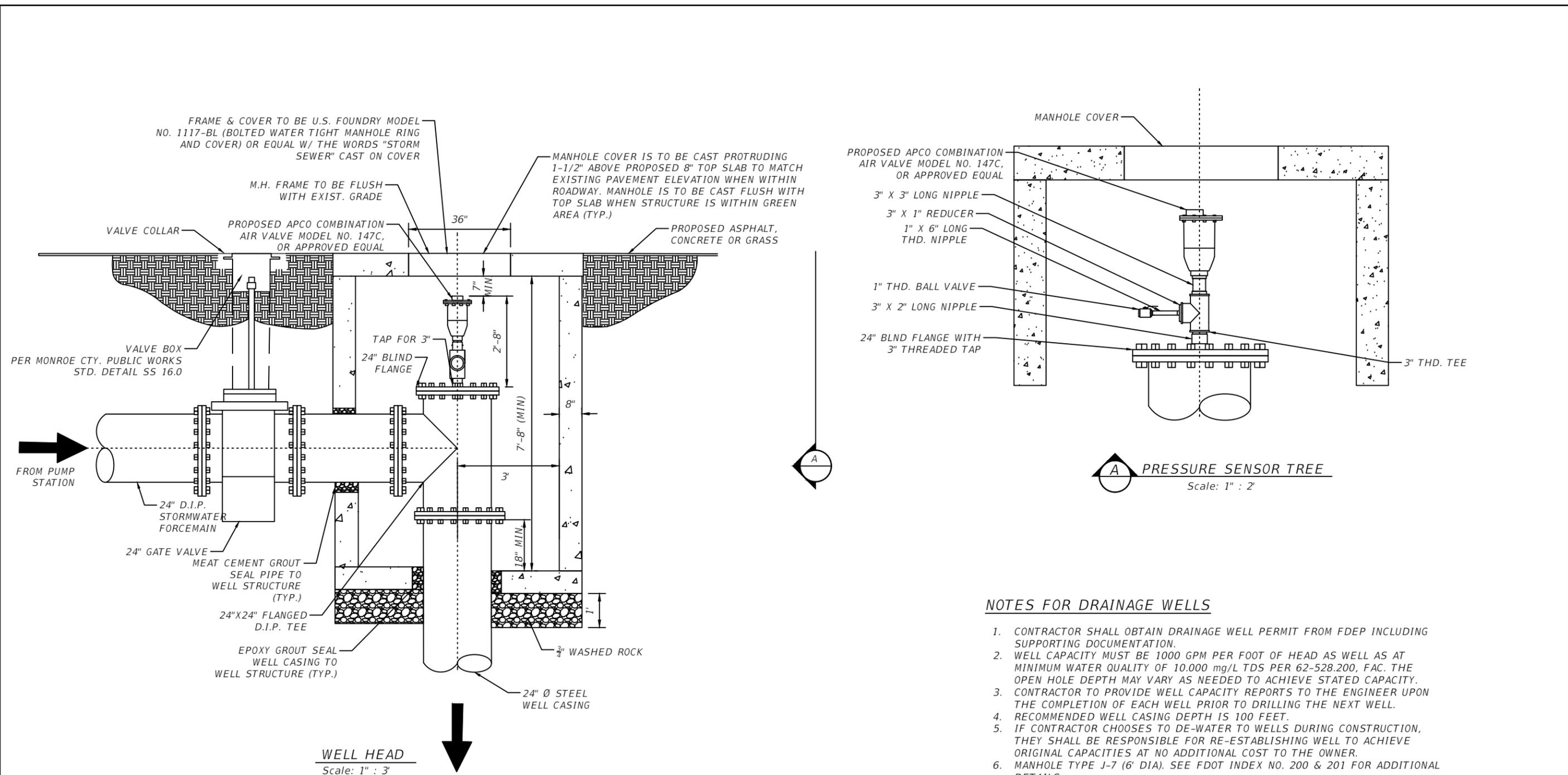


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MONROE COUNTY - DEPARTMENT OF ENGINEERING

INJECTION WELL PLAN & PROFILE

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PS-7A

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**NOTES FOR DRAINAGE WELLS**

1. CONTRACTOR SHALL OBTAIN DRAINAGE WELL PERMIT FROM FDEP INCLUDING SUPPORTING DOCUMENTATION.
2. WELL CAPACITY MUST BE 1000 GPM PER FOOT OF HEAD AS WELL AS AT MINIMUM WATER QUALITY OF 10.000 mg/L TDS PER 62-528.200, FAC. THE OPEN HOLE DEPTH MAY VARY AS NEEDED TO ACHIEVE STATED CAPACITY.
3. CONTRACTOR TO PROVIDE WELL CAPACITY REPORTS TO THE ENGINEER UPON THE COMPLETION OF EACH WELL PRIOR TO DRILLING THE NEXT WELL.
4. RECOMMENDED WELL CASING DEPTH IS 100 FEET.
5. IF CONTRACTOR CHOOSES TO DE-WATER TO WELLS DURING CONSTRUCTION, THEY SHALL BE RESPONSIBLE FOR RE-ESTABLISHING WELL TO ACHIEVE ORIGINAL CAPACITIES AT NO ADDITIONAL COST TO THE OWNER.
6. MANHOLE TYPE J-7 (6' DIA). SEE FDOT INDEX NO. 200 & 201 FOR ADDITIONAL DETAILS.

REVISIONS			
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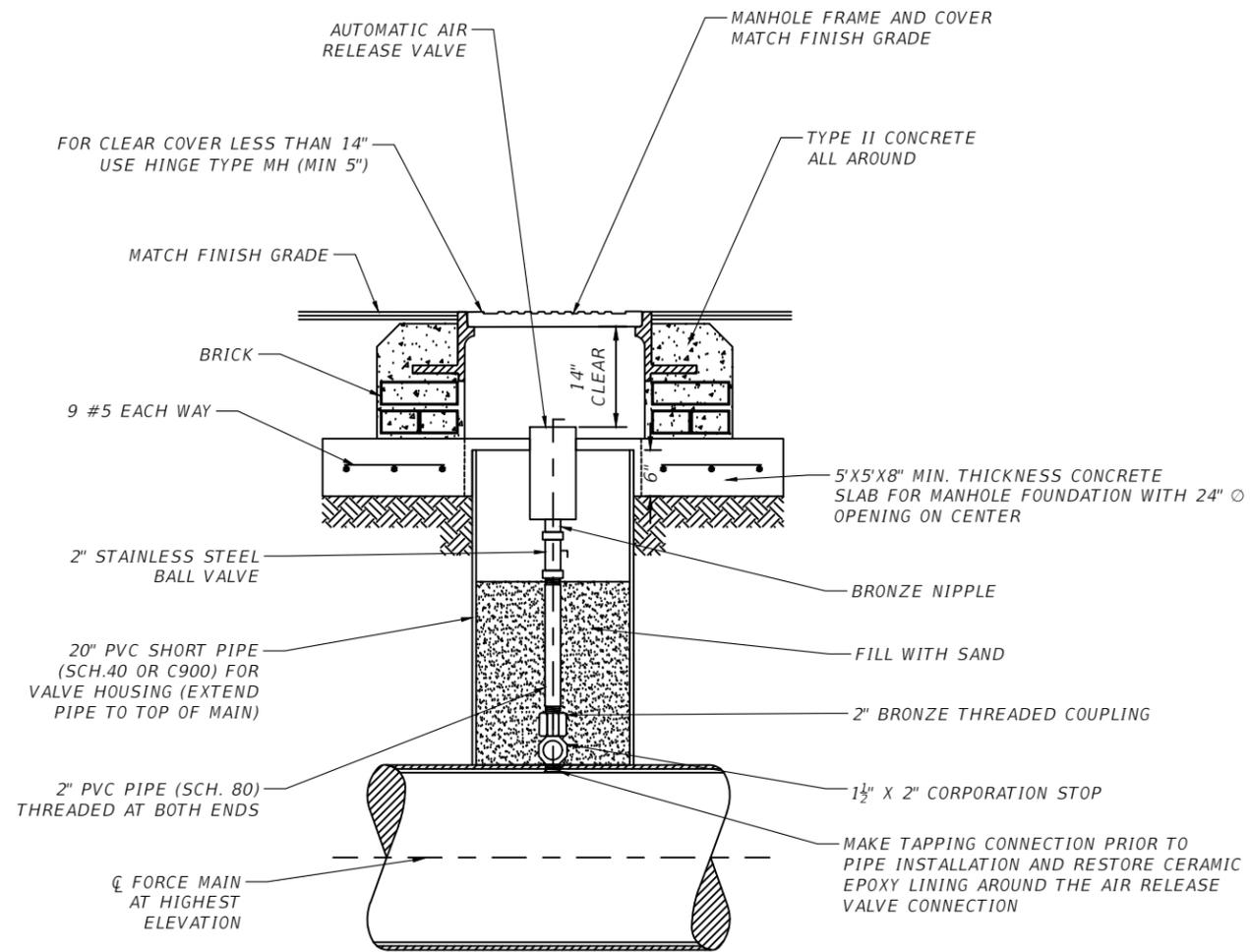
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SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
 PROJECT (KEY LARGO AND BIG PINE KEY)  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING

INJECTION WELL DETAIL

SHEET NO.  
 PS-8A



**AUTOMATIC AIR  
RELEASE VALVE**  
Scale: 1" : 2'

**NOTES**

1. METALLIC THREADS TO BE COATED WITH BITUMASTIC COATING.
2. ON ARV'S FOR SEWARGE INSTALL 1" BLOW-OFF VALVE AND 1/2" QUICK-DISCONNECT BACKFLUSHING CONNECTION WITH SHUT-OFF VALVE.
3. INSTALL TAPPING SADDLE FOR THICKNESS CLASS D.I. MAINS 4" & SMALLER, PRESSURE CLASS S.I. MAINS 8" & SMALLER, OR WHEN MAINS IS PVC, HEDPE, OR AC PIPE.

REVISIONS

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MONROE COUNTY - DEPARTMENT OF ENGINEERING

SHEET  
NO.

A.A.R.V. DETAIL

PS-9A

**ELECTRICAL REQUIREMENTS**

**1.0 BASIC ELECTRICAL REQUIREMENTS**

**1.1 INSTALLATION**

- A. INSTALL EQUIPMENT AT THE LOCATIONS SHOWN ON THE DRAWINGS FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS.
- B. COORDINATE INSTALLATION OF UNDERGROUND DUCTS AND CONDUITS WITH EXISTING UNDERGROUND UTILITIES. FIELD VERIFY ROUTING AND BURIAL DEPTH. DRAIN DUCTS AWAY FROM BUILDINGS TOWARD MANHOLES. LOW POINTS IN DUCT BANK RUNS ARE NOT ACCEPTABLE.

**2.0 RACEWAYS**

**2.1 LOCATION AND USE OF EACH TYPE OF CONDUIT AS FOLLOW:**

- A. USE RIGID CONDUIT FOR ABOVE GROUND EXPOSED INSTALLATIONS EXCEPT IN CORROSIVE AREAS WHERE PVC COATED RIGID GALVANIZED STEEL SHALL BE USED.
- B. USE GALVANIZED THREADED RIGID STEEL CONDUIT AS FOLLOWS:
  - 1) WHEREVER SPECIFICALLY CALLED FOR ON DRAWINGS.
  - 2) WHERE RACEWAY ELBOWS FROM SERVICE FEEDER STUB-UP.
  - 3) FOR UNDERGROUND WORK BEYOND BUILDINGS WHERE CONCRETE ENCASED PLASTIC CONDUITS HAVE NOT BEEN SPECIFIED. COAT BURIED GALVANIZED STEEL CONDUITS AND FITTINGS WITH TWO COATS OF CARBOLINE'S BITUMASTIC NO. 50 OR EQUAL.
- C. USE PLASTIC CONDUIT AS FOLLOWS:
  - 1) WHEN INSTALLED IN POURED CONCRETE SLABS OR WALLS.
  - 2) FOR UNDERGROUND WORK UNDER SLABS.
  - 3) IN DUCT BANKS OR, IF SPECIFICALLY CALLED FOR, IN TRENCHES. BACK-FILL TRENCHES WITH STRUCTURAL FILL 90% COMPACTED (PROCTOR DENSITY) AND RESOD TO ORIGINAL CONDITION.

**2.2 INSTALLATION**

- A. DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL BENDS, FITTINGS, BOXES, AND SPECIALTIES WHICH MAY BE REQUIRED OR THE EXACT LOCATION OF CONDUITS. EXAMINE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL OF THE WORK AND PLAN IT ACCORDINGLY, FURNISHING SUCH FITTINGS AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. ARRANGE CONDUIT RUNS TO CLEAR BEAMS, PIPES AND OTHER OBSTRUCTIONS AND AVOID INTERFERENCES WITH OTHER TRADES WORK. ANY CHANGES FROM LOCATIONS SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE ENGINEER.
- B. INSTALL CONDUITS PASSING THROUGH WALLS AND SLABS IN PVC SLEEVES. EXTEND SLEEVES THROUGH FULL CONCRETE THICKNESS AND PROVIDE 1/2- INCH CLEARANCE AROUND CONDUITS TO FACILITATE SEALING.
- C. SEAL ANY OPENING MADE IN SLABS OR WALLS TO PREVENT SMOKE OR FIRE SPREAD AND THE PASSAGE OF WATER. USE SEALING COMPOUND APPROVED FOR THE PURPOSE.
- D. EXCEPT WHERE BOXES, PANELS AND OTHER EQUIPMENT HAVE THREADED OPENINGS, MAKE CONDUIT CONNECTIONS AS FOLLOWS:

- 1) DOUBLE LOCKNUTS, ONE INSIDE AND ONE OUTSIDE.
- 2) PROVIDE CONDUIT HUB IN NEMA 4X ENCLOSURE.
- 3) PLACE GROUNDING BUSHING ON END OF CONDUIT IN ADDITION TO LOCKNUTS.

**3.0 IDENTIFICATION**

**A. COLOR CODE POWER CONDUCTORS AS FOLLOWS:**

- 1) 120/208 VOLT SYSTEM: WHITE-NEUTRAL, BLACK-PHASE A, BLUE-PHASE B, RED-PHASE C.
- 2) 277/480 VOLT SYSTEM: GRAY-NEUTRAL, YELLOW-PHASE A, BROWN-PHASE B, ORANGE-PHASE C.
- 3) BONDING CONDUCTOR GREEN.

**B. IDENTIFY FEEDERS, BRANCH CIRCUITS AND INSTRUMENTATION AND CONTROL WIRES AT TERMINATIONS, JUNCTION AND PULL BOXES.**

**4.0 GROUNDING**

- A. INSTALL GROUNDING AS SHOWN ON DRAWINGS. INSTALL IN COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. DO NOT USE CONDUCTORS SMALLER THAN SIZE AWG #12.
- B. CONNECTIONS SHALL BE MADE WITH THE EXOTHERMIC WELDING PROCESS USING EQUIPMENT MANUFACTURED ERICO PRODUCTS OR EQUAL.
- C. ACCESSIBLE CONNECTIONS SHALL BE MADE WITH BURUNDY, MULTIPLE BOLT CONNECTORS SPECIFICALLY APPROVED FOR THE APPLICATION.
- D. DO NOT EMBED GROUNDING CABLES DIRECTLY IN CONCRETE. USE SLEEVES WHEN PASSING CABLES THROUGH CONCRETE. BARE COPPER CABLES BURIED IN EARTH SHALL BE TINNED.

**GENERAL ELECTRICAL NOTES**

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND ALL LOCAL ORDINANCES. INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE AND O.S.H.A. REGULATIONS.
- 2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS MANNER AND SHALL BE COMPLETED AND FULLY OPERATIVE TO THE ACCEPTANCE OF THE OWNER, GENERAL CONTRACTOR AND ENGINEER.
- 3. CONTRACTOR SHALL GUARANTEE ALL ELECTRICAL WORK, INCLUDING PARTS AND LABOR, FOR A PERIOD OF ONE (1) YEAR AFTER FINAL WRITTEN ACCEPTANCE BY OWNER AND ENGINEER.
- 4. CONTRACTOR SHALL PAY FOR ALL FEES, INSPECTIONS, TESTS, FINES, ETC., AS REQUIRED.
- 5. PRIOR TO COMMENCEMENT OF WORK, VERIFY MEASUREMENTS AT SITE. SUBMIT DISCREPANCIES AND DIFERENCES TO ENGINEER FOR CONSIDERATION AND DECISION BEFORE PROCEEDING.
- 6. VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OR INSTALLATION.
- 7. OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER CONTRACT, AND PROVIDE READY ACCESSIBILITY TO ELECTRICAL EQUIPMENT, INCLUDING ANY PART OF SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
- 8. PROVIDE AN ACCURATE LAYOUT, GRADES AND ELEVATIONS; TAKE PROPER PRECAUTIONS TO PROTECT WORK AND EQUIPMENT FROM DAMAGE.
- 9. THE ELECTRICAL SERVICE INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY. CONTRACTOR SHALL COORDINATE SERVICE REQUIREMENTS WITH THE UTILITY COMPANY AND PROVIDE ACCORDINGLY. THE FPL CONTACT PERSON IS : JOEL GARCIA (305) 215-1209
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHERS AS WELL AS PROVIDING TEMPORARY POWER.
- 11. ALL MATERIAL SHALL BE NEW AND OF AMERICAN MANUFACTURER AND BEAR THE UNDERWRITER'S LABORATORY AND UNION LABELS WHERE APPLICABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE DELIVERY SCHEDULE OF MATERIAL.
- 12. ALL EQUIPMENT INSTALLED SHALL BE OF MANUFACTURER AND TYPE SPECIFIED. SUBMIT SHOP DRAWINGS AND PRODUCT DATA WITH ALL PERTINENT DATA AS SPECIFIED OR SCHEDULED. SUBMITTALS WITH INCOMPLETE INFORMATION WILL NOT BE REVIEWED UNTIL SUBMITTAL IS COMPLETE.
- 13. VERIFY EQUIPMENT SIZES, VOLTAGE AND CURRENT CHARACTERISTICS ETC., BEFORE ORDERING ANY EQUIPMENT AND PRIOR TO ROUGHING-IN FOR EQUIPMENT TO BE SUPPLIED BY OTHERS. NOTIFY ENGINEER OF ANY CONFLICTS.
- 14. ALL WIRING SHALL BE IN RACEWAY.
  - A. FOR EXTERIOR LOCATIONS RACEWAYS: BELOW GRADE - SCHEDULE 40 PVC. WITH 2'- 6" COVER (2'-6" FOR SERVICE).
  - B. SEALING FITTINGS SHALL BE INSTALLED AS SHOWN AND WHERE REQUIRED BY THE NEC.
- 15. CONTRACTOR SHALL COORDINATE THE PROPOSED CONTROL PANEL ENCLOSURES & THE REST OF ELECTRICAL DEVICES WITH THE CONCRETE PAD DIMENSIONS TO MATCH WITH FUTURE ARCHITECTURAL ENCLOSURE REQUESTED BY MIAMI BEACH PUBLIC WORK DEPARTMENT.

- 15. CONTRACTOR SHALL COORDINATE THE PROPOSED CONTROL PANEL ENCLOSURES & THE REST OF ELECTRICAL DEVICES WITH THE CONCRETE PAD DIMENSIONS TO MATCH WITH FUTURE ARCHITECTURAL ENCLOSURE REQUESTED BY MIAMI BEACH PUBLIC WORK DEPARTMENT.
- 16. ALL CIRCUITS TO CARRY A FULL GROUND WIRE PER N.E.C. ARTICLE 250.
- 17. MINIMUM SHORT CIRCUIT RATING (SCR) OF THE ELECTRICAL PANEL SHALL BE 65 KA MIN. PANEL (SCR) BE NEXT STANDARD VALUE ABOVE THE ONE PROVIDED BY FPL AT TRANSFORMER SECONDARY.
- 18- PUMP CONTROL PANEL SHALL BE MANUFACTURED AND LABELED PER UL508.
- 19- SUPPORTS SHALL MEET ASCE 7-93 SECTION 6 WIND LOADS.
- 20- WET WELL IS A CLASS I DIVISION I GROUP D ENVIRONMENT (PER NFPA 820-TABLE 4.2 ROW 16a) AS SUCH, ANY ELECTRICAL EQUIPMENT WITH IT IS RATED FOR CLASS 1, DIVISION I, GROUP D (A PRIMARY EXAMPLE ARE THE PUMP ELECTRIC MOTOR, RATED FOR CLASS 1, DIVISION I, GROUP D). THE PUMP MOTOR CONNECTION AND CONTROL JUNCTION BOXES ARE NOT A CLASSIFIED ENVIRONMENT, HOWEVER IT HAS SEAL FITTINGS RATED FOR CLASS 1, DIVISION I, GROUP D ENVIRONMENTS INSTALLED ON CONDUITS BETWEEN IT AND THE WET WELL..
- 21- MAIN DISCONNECT SWITCH SIZED TO MATCH MAIN CIRCUIT BREAKER AND IN A PAD LOCKABLE SERVICE RATED NEMA 4X & 16 316 STAINLESS STEEL ENCLOSURE. TOP SHALL NOT BE HIGHER THAN THE TOP OF THE CABINET.
- 22- CONTROL PANEL ENCLOSURES SHALL INCORPORATE A TAMPER/INTRUSION SWITCH (DC) THAT ACTIVATES AN ALARM TO THE RTU WHENEVER THE PANELS OPENED.
- 23- MAXIMUM GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS PER ELECTRODE. SEE NEC 250.56.

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

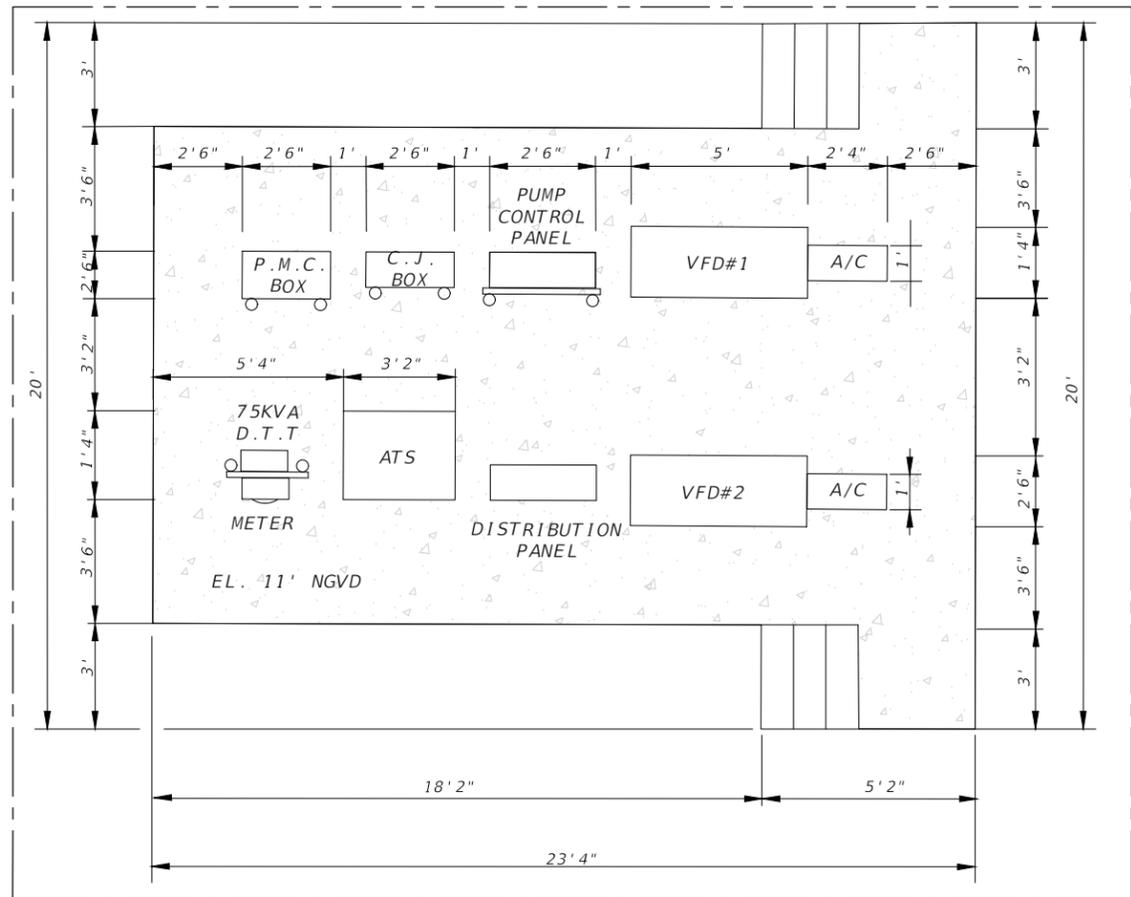
A&P Consulting Transportation Engineers Corp.  
 8935 N.W. 35th Lane, Suite 200  
 Miami, FL 33172  
 (305) 592-7283 / fax: (305) 593-1594  
 CA No. : EB-0007797  
 Eduardo L. Martinez, P.E. No. 52023



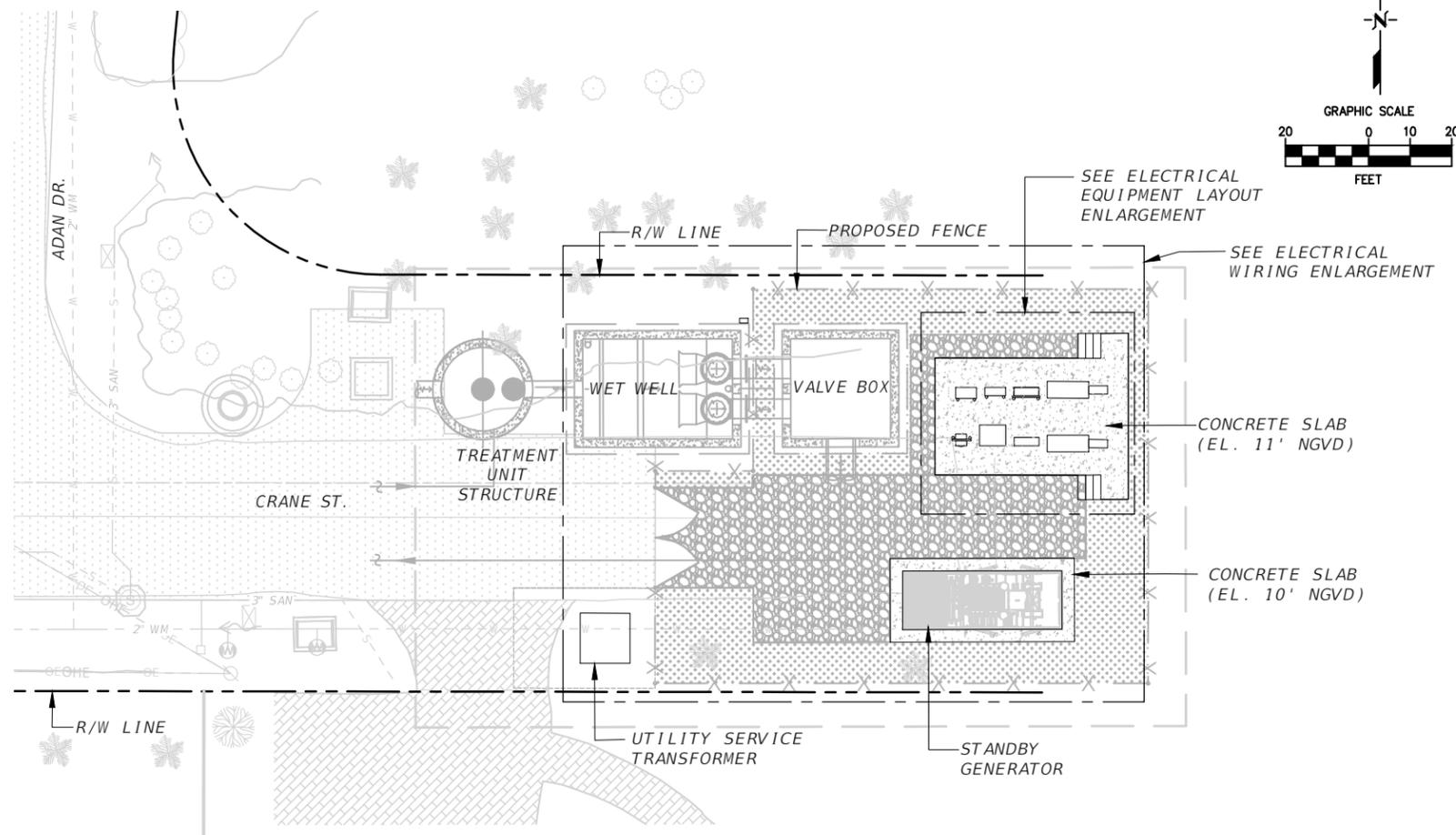
**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)**  
 MONROE COUNTY - DEPARTMENT OF ENGINEERING  
 GENERAL ELECTRICAL NOTES AND ELECTRICAL REQUIREMENTS

SHEET NO.  
 E-1A

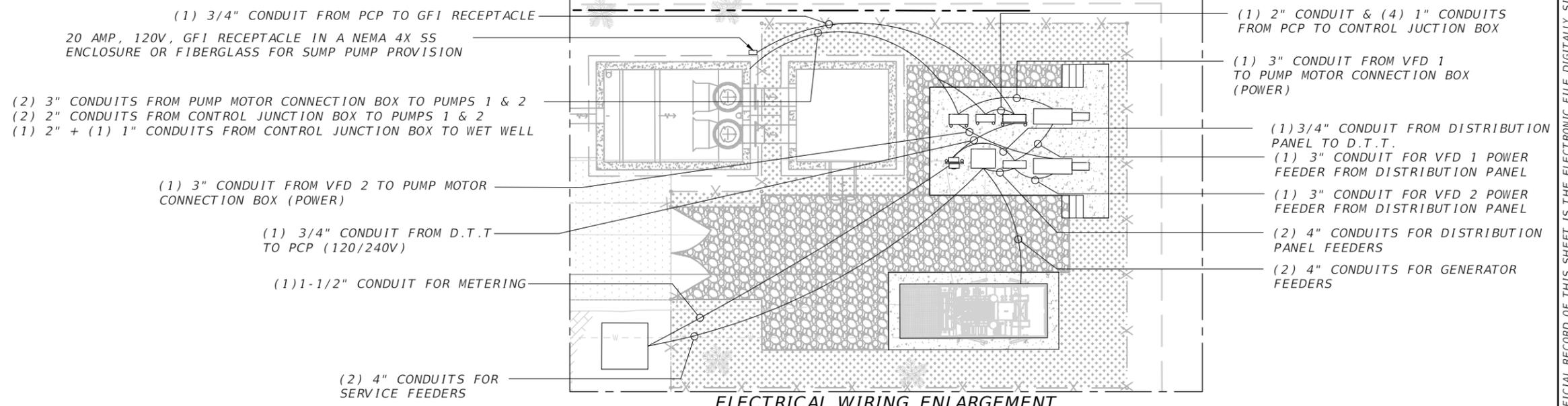
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**ELECTRICAL EQUIPMENT LAYOUT ENLARGEMENT**  
NTS



**KEY LARGO PROPOSED ELECTRICAL SITE PLAN**  
SCALE: 1"=20'

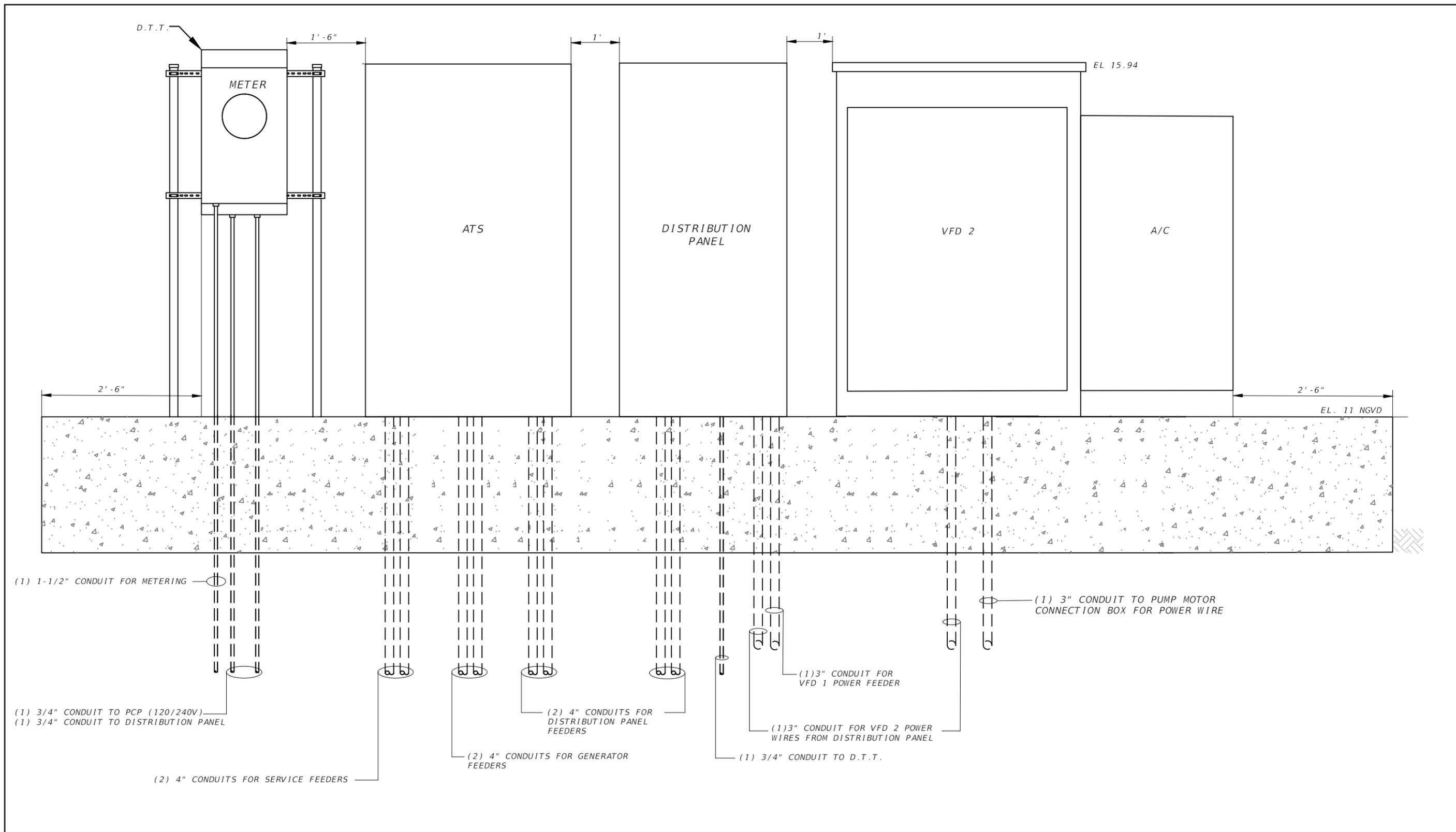


**ELECTRICAL WIRING ENLARGEMENT**  
NTS

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023	 	<b>SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)</b> MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				E-2A
						<b>PROPOSED ELECTRICAL SITE PLAN</b>	

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



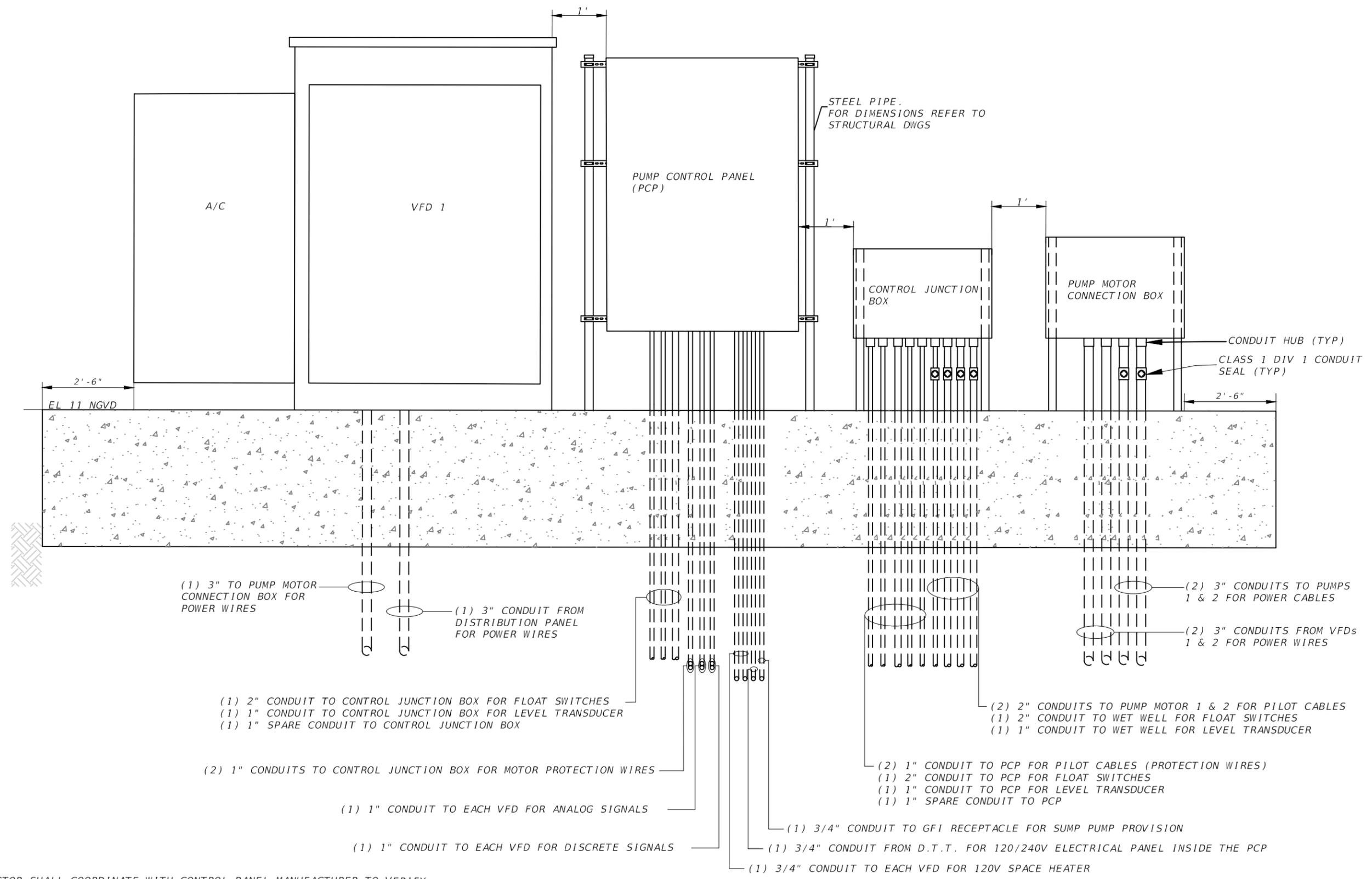


NOTE:  
 -CONTRACTOR SHALL COORDINATE WITH CONTROL PANEL MANUFACTURER TO VERIFY IF IS REQUIRED TO INSTALL ADDITIONAL VERTICAL STRUCTURAL SUPPORTS IN BETWEEN CONTROL PANEL ENCLOSURES TO COMPLY WITH THE 180 MPH WIND LOAD.

**PUMP CONTROL PANEL (NORTH VIEW)**  
 N.T.S.

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023			<b>SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)</b> MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					E-4A

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



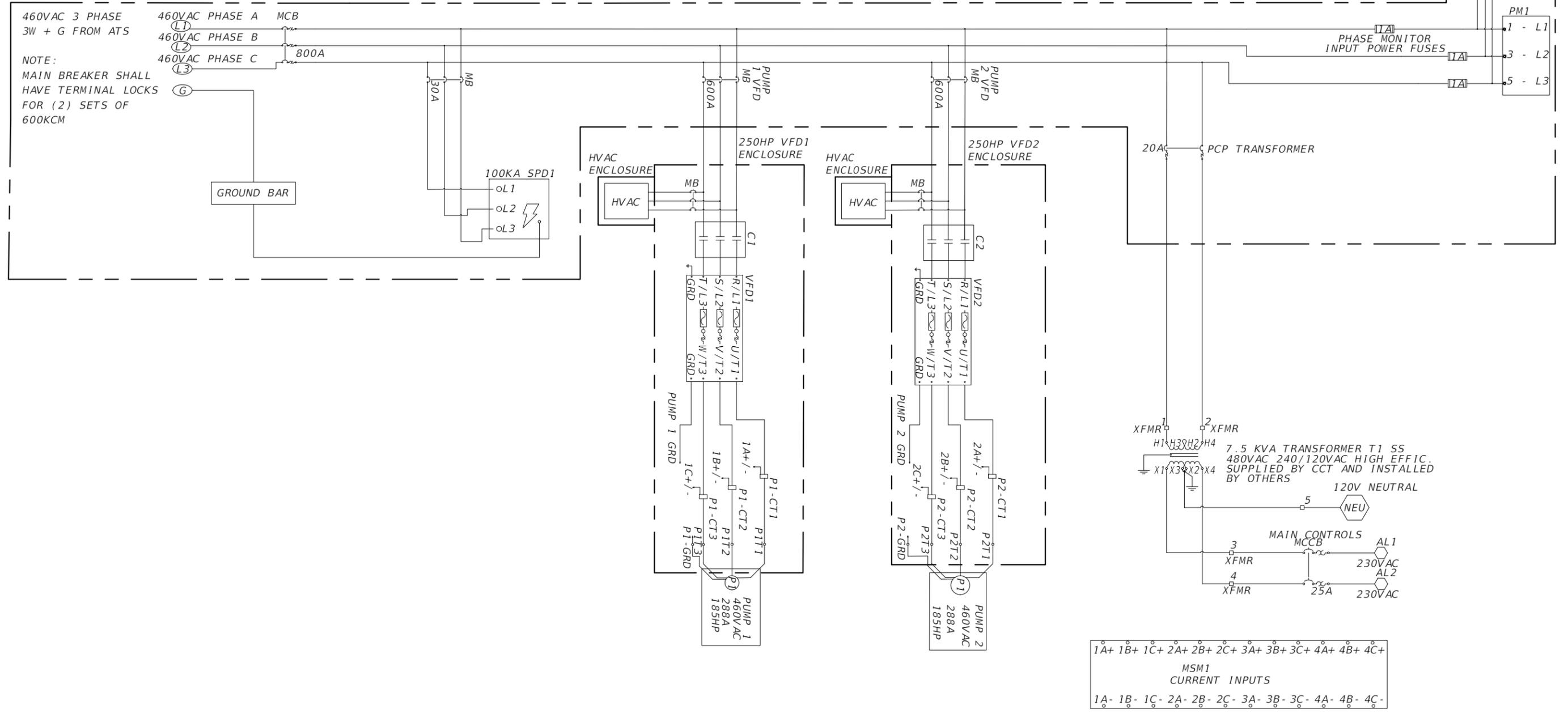
**PUMP CONTROL PANEL (SOUTH VIEW)**  
NTS

NOTE:  
1-CONTRACTOR SHALL COORDINATE WITH CONTROL PANEL MANUFACTURER TO VERIFY IF IS REQUIRED TO INSTALL ADDITIONAL VERTICAL STRUCTURAL SUPPORTS BETWEEN ENCLOSURES TO COMPLY WITH THE 180 MPH WIND LOAD.

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023			<b>SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)</b> MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					E-5A
PUMP CONTROL PANEL								

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

PANELBOARD ENCLOSURE

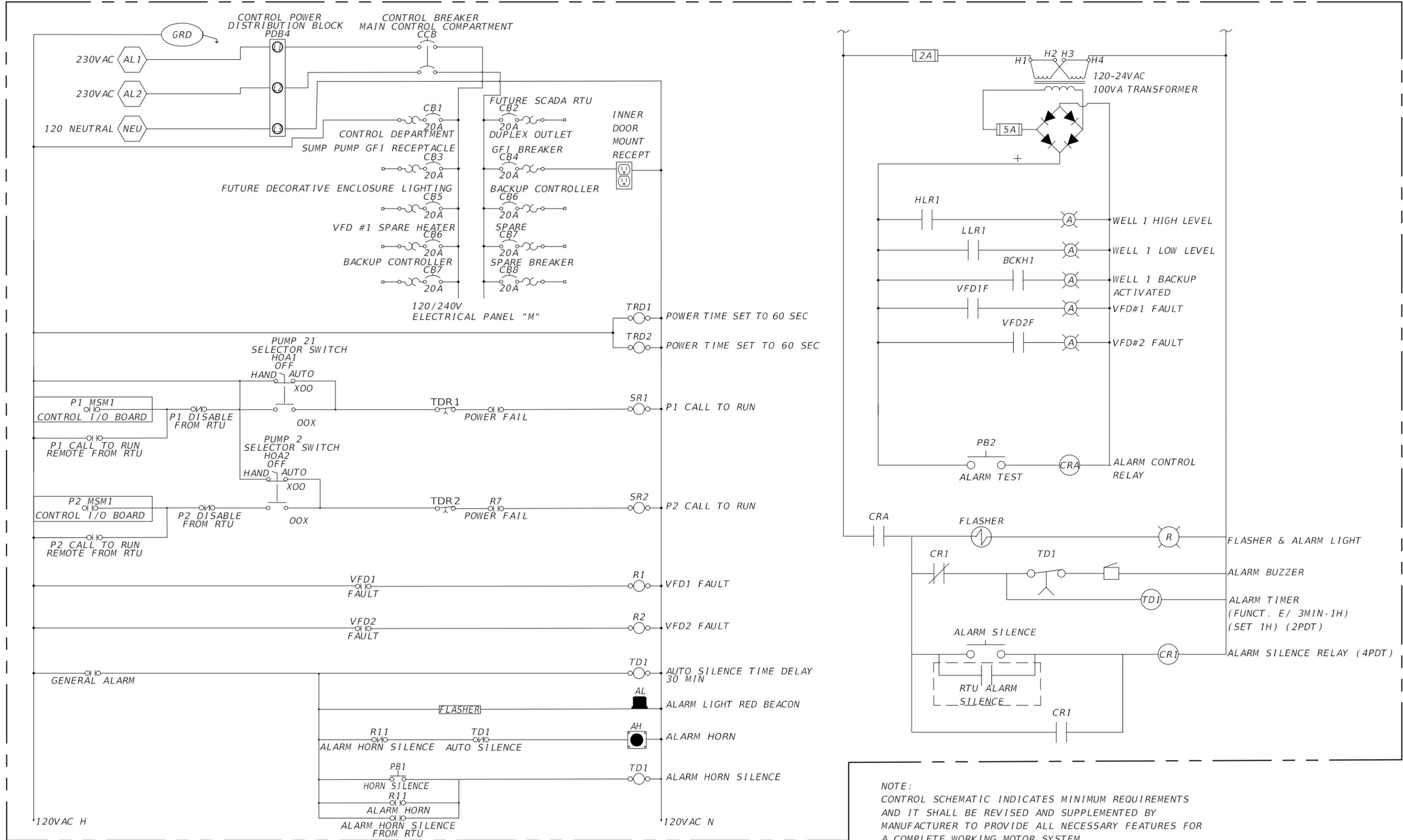


NOTE:  
CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					E-6A

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

CONTROL & FUTURE SCADA RTU ENCLOSURE

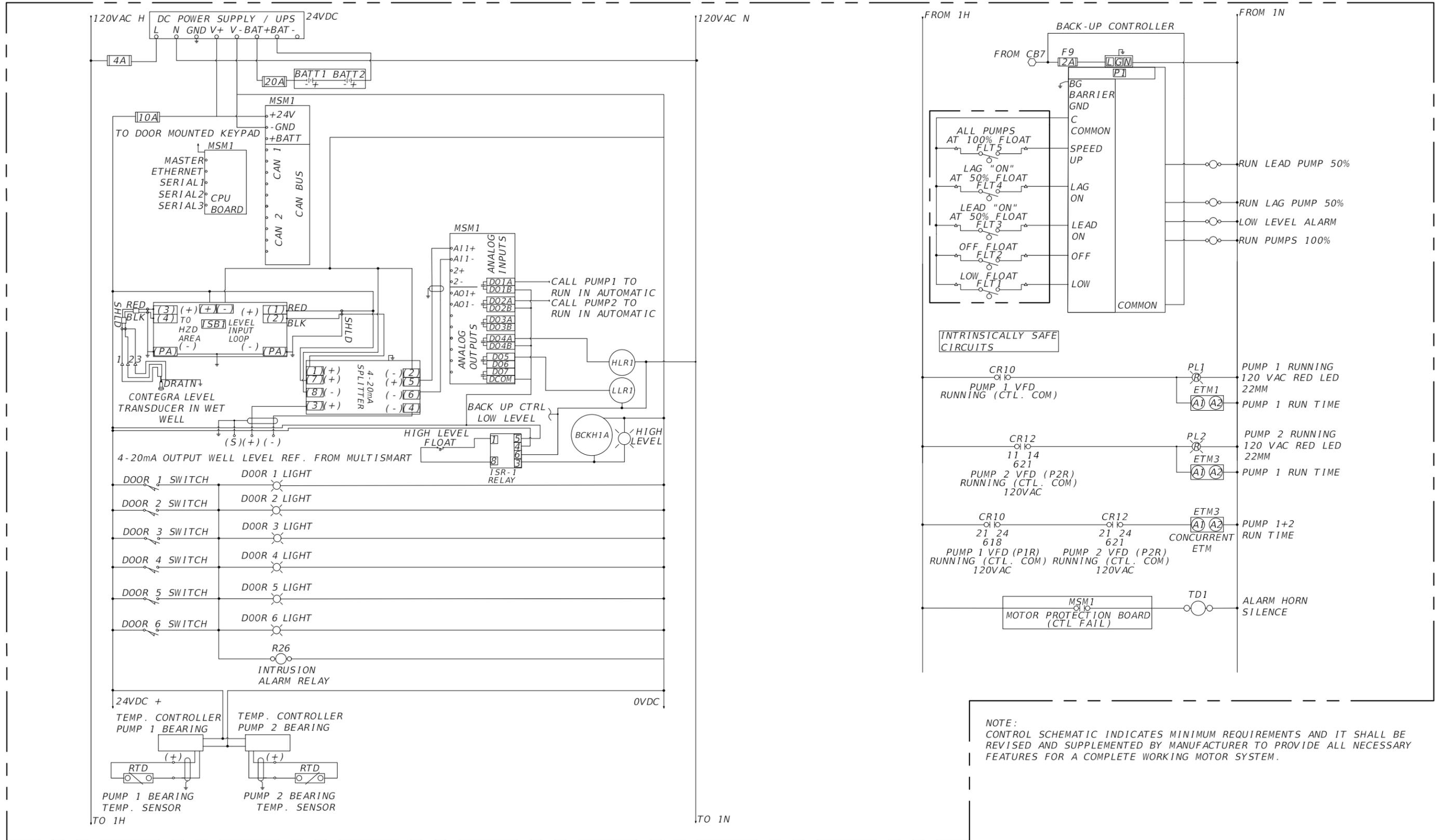


NOTE:  
CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS  
AND IT SHALL BE REVISED AND SUPPLEMENTED BY  
MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR  
A COMPLETE WORKING MOTOR SYSTEM.

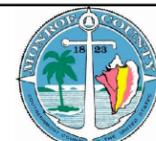
REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					E-7A
							CONTROL PANEL ELECTRICAL SCHEMATIC (2)	

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

CONTROL & FUTURE SCADA RTU ENCLOSURE

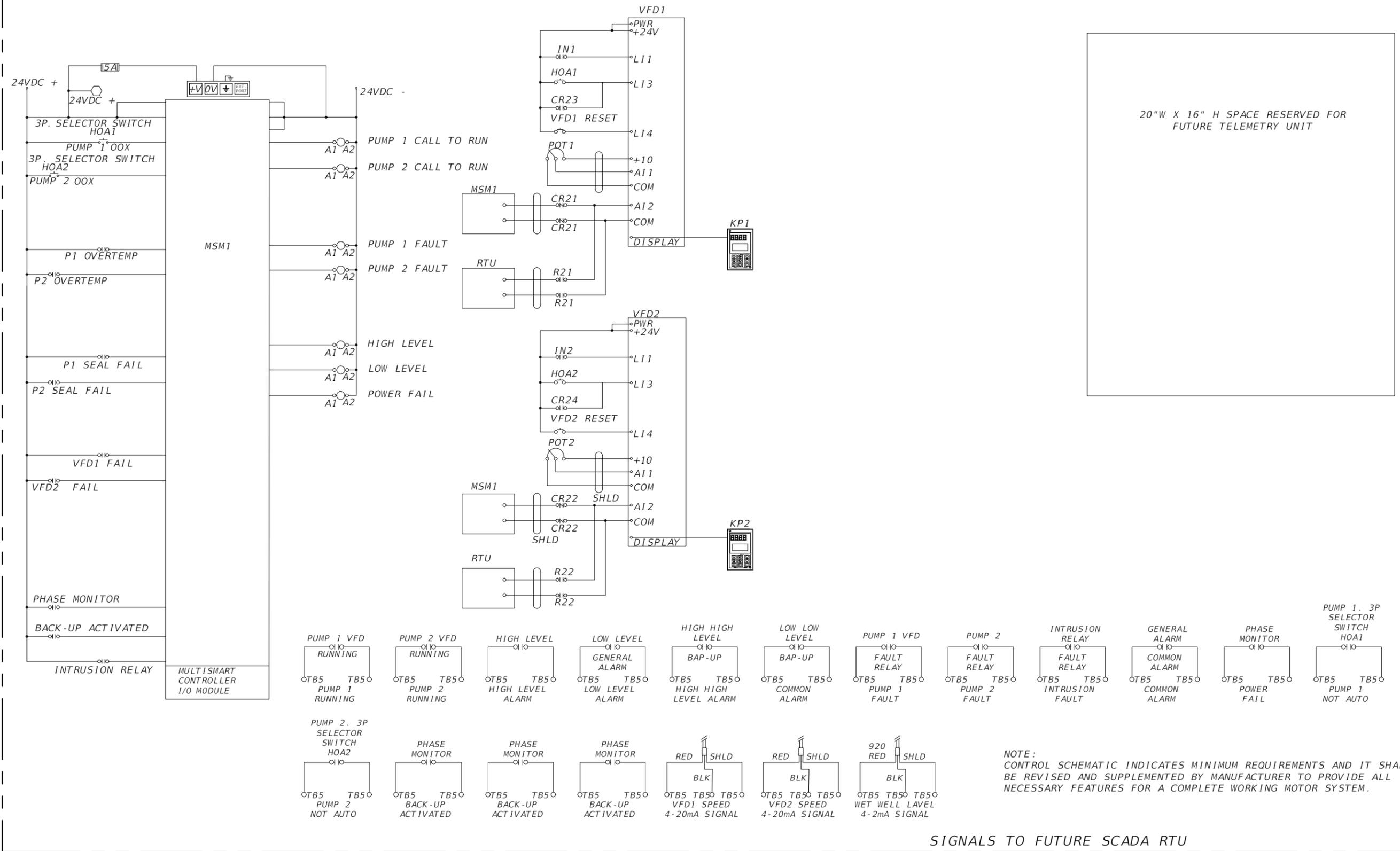


NOTE:  
CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023	 	SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				E-8A
						CONTROL PANEL ELECTRICAL SCHEMATIC (3)	

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CONTROL & FUTURE SCADA RTU ENCLOSURE



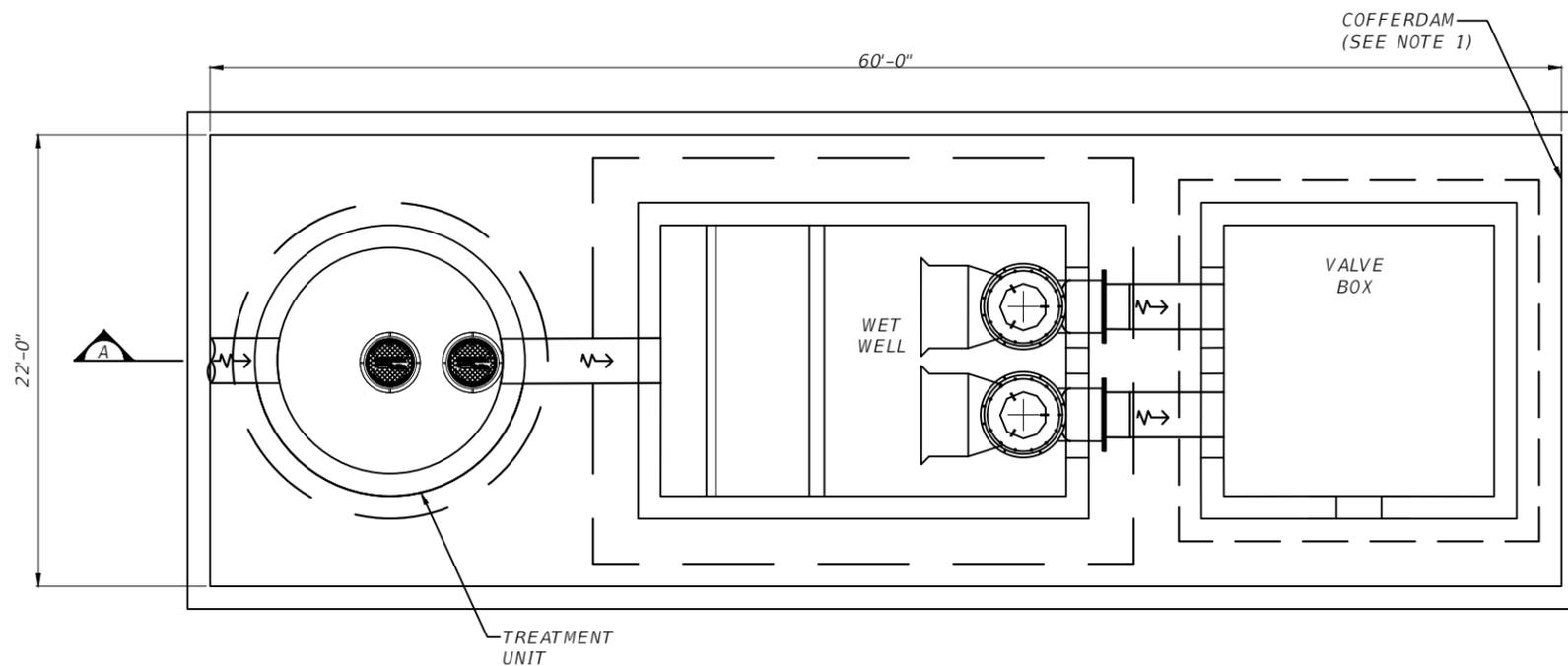
20"W X 16" H SPACE RESERVED FOR FUTURE TELEMETRY UNIT

NOTE: CONTROL SCHEMATIC INDICATES MINIMUM REQUIREMENTS AND IT SHALL BE REVISED AND SUPPLEMENTED BY MANUFACTURER TO PROVIDE ALL NECESSARY FEATURES FOR A COMPLETE WORKING MOTOR SYSTEM.

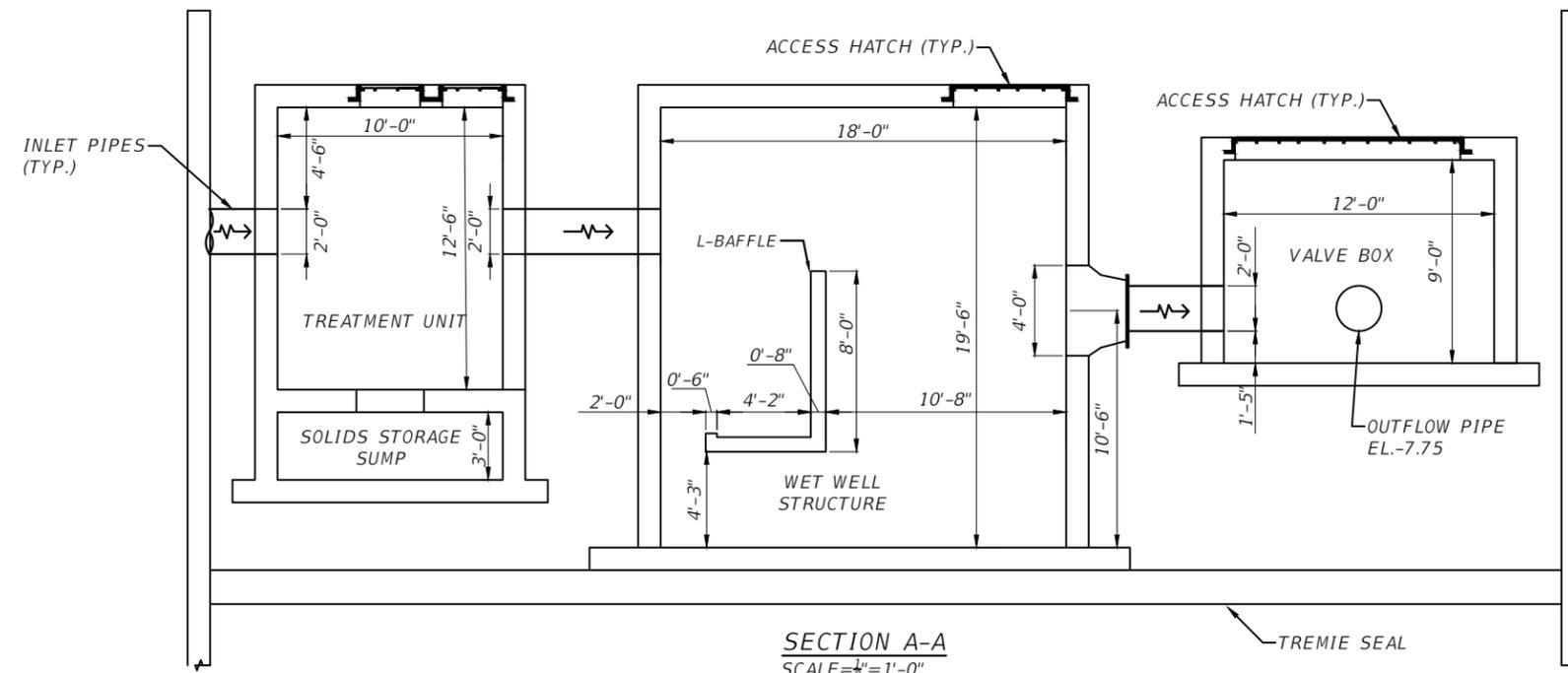
SIGNALS TO FUTURE SCADA RTU

REVISIONS				A&P Consulting Transportation Engineers Corp. 8935 N.W. 35th Lane, Suite 200 Miami, FL 33172 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eduardo L. Martinez, P.E. No. 52023			SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY) MONROE COUNTY - DEPARTMENT OF ENGINEERING	CONTROL PANEL ELECTRICAL SCHEMATIC (4)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						E-9A

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



**PUMP STATION LAYOUT**  
SCALE =  $\frac{1}{8}$ " = 1'-0"



**SECTION A-A**  
SCALE =  $\frac{1}{8}$ " = 1'-0"

**STRUCTURAL NOTES**

1 - GENERAL NOTES

1.1 THE STRUCTURAL DRAWINGS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2017 EDITION.

2 - CONCRETE

2.1 CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.  
2.2 DESIGN OF CONCRETE COMPONENTS SHALL CONFORM TO ACI 318-14.

3 - REINFORCING STEEL

3.1 REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60  
3.2 WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.  
3.3 FABRICATION AND DETAILING SHALL CONFORM TO ACI 315.  
3.4 REINFORCEMENT COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:  
CONCRETE CAST AGAINST THE GROUND: 3"  
FORMED CONCRETE IN CONTACT WITH GROUND: 2"  
FORMED OR PRECAST SLABS & WALLS: 2"

4 - DESIGN CRITERIA

4.1 LOADS:

- DEAD LOAD: BASED ON CONCRETE DENSITY OF 150 PCF.  
- LIVE LOAD: HS20 WHEEL LOAD PER AASHTO SPECIFICATIONS.

4.2

- LIVE LOAD SURCHARGE: 240 PCF.  
- BUOYANCY: BASED ON WATER DENSITY OF 62.4 PCF.  
- WIND LOADS: IN ACCORDANCE WITH FBC 2017 AND ASCE 7-10, 175 MPH WIND SPEED, EXPOSURE 'C'.

5 - SHOP DRAWINGS

THE CONTRACTOR HAS THE OPTION TO CONSTRUCT A CAST-IN-PLACE OR PRECAST STRUCTURE, SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL INDICATE ON THE SHOP DRAWINGS WHETHER THE STRUCTURE IS PRECAST OR CAST-IN-PLACE.

6 - COFFERDAM

THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND PLANS FOR THE COFFERDAM AND THE TREMIE SEAL. ALL CALCULATIONS AND PLANS SHALL BE SIGNED AND SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROGER G KHOURI, P.E.  
P.E. LICENSE NUMBER 47745  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462

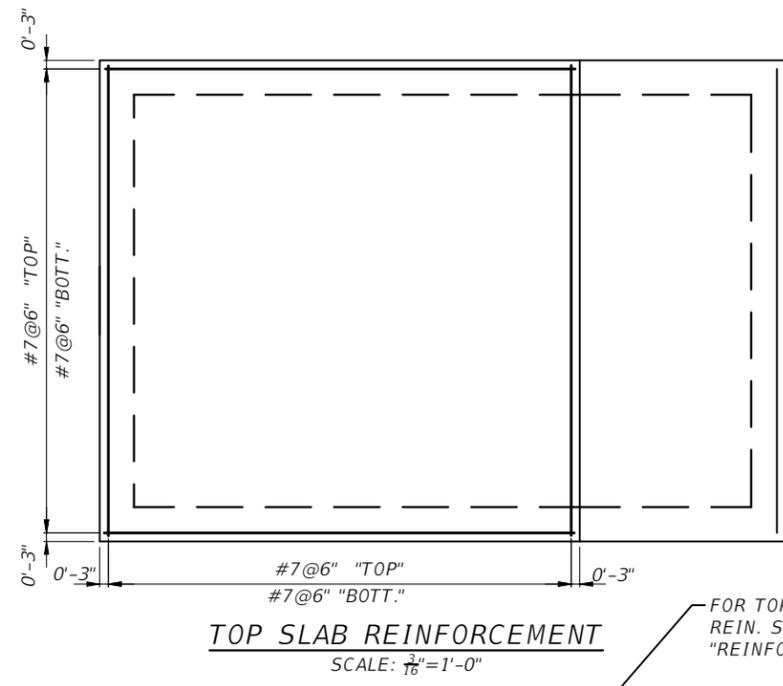
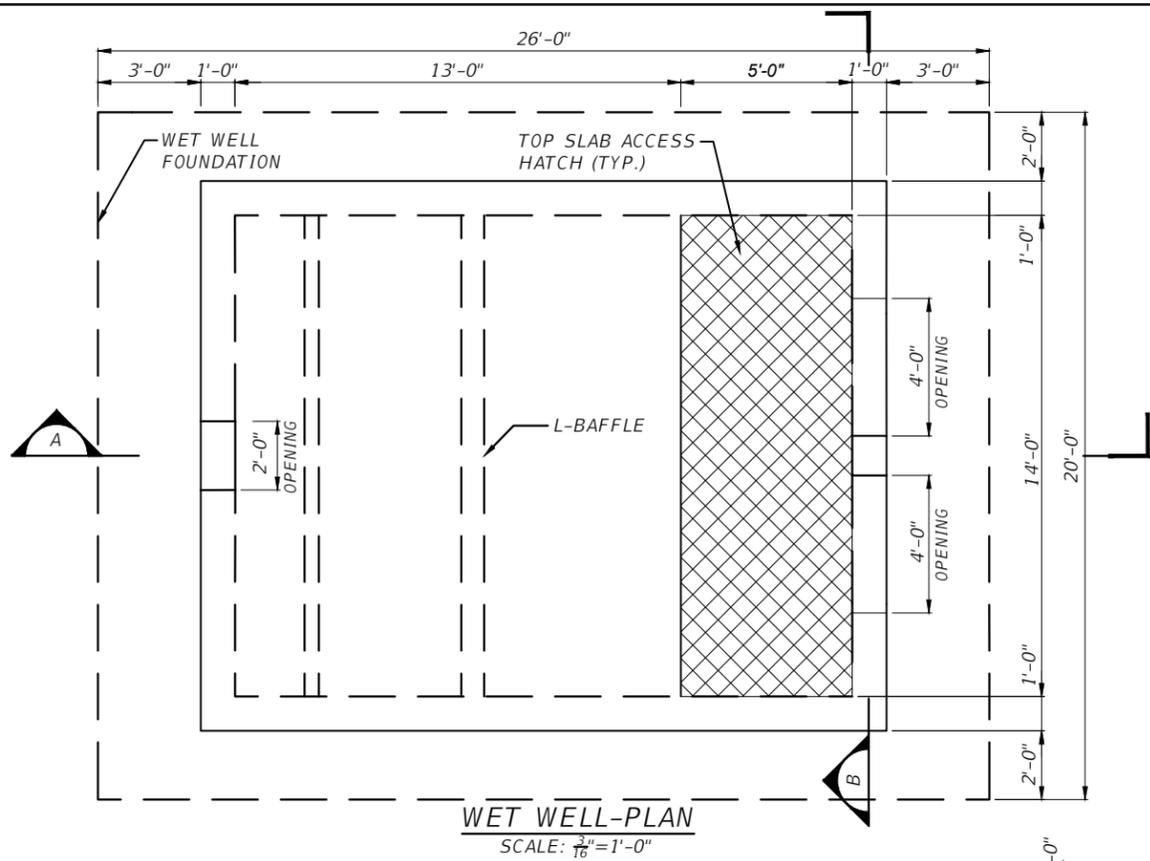


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

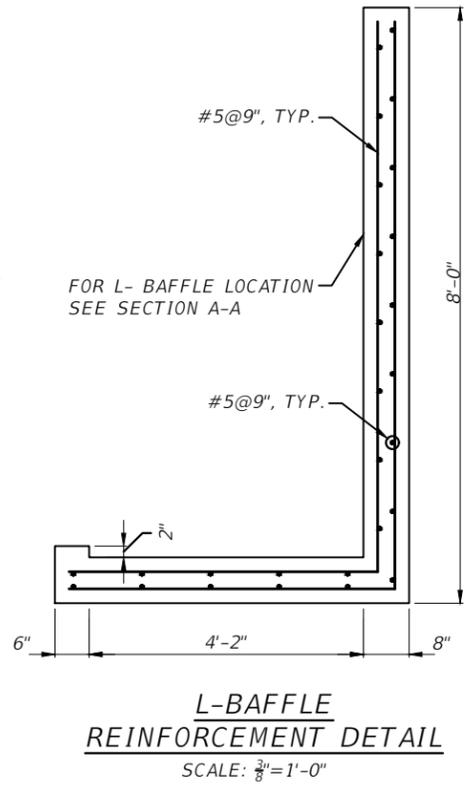
KEY LARGO PUMP STATION LAYOUT

SHEET NO.

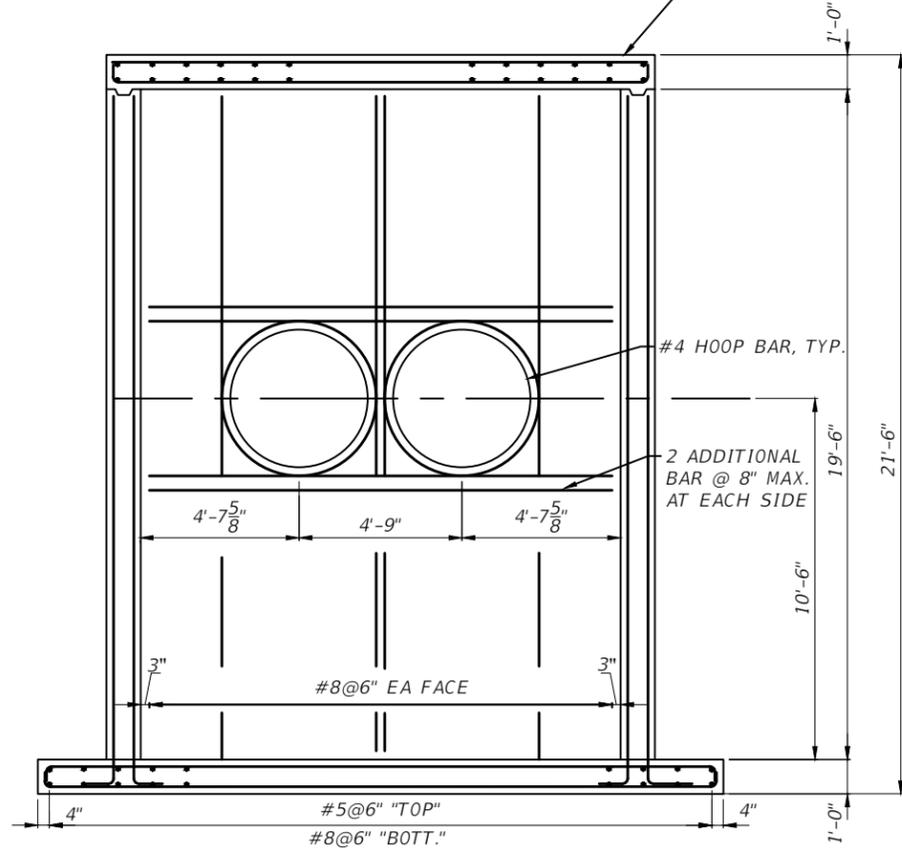
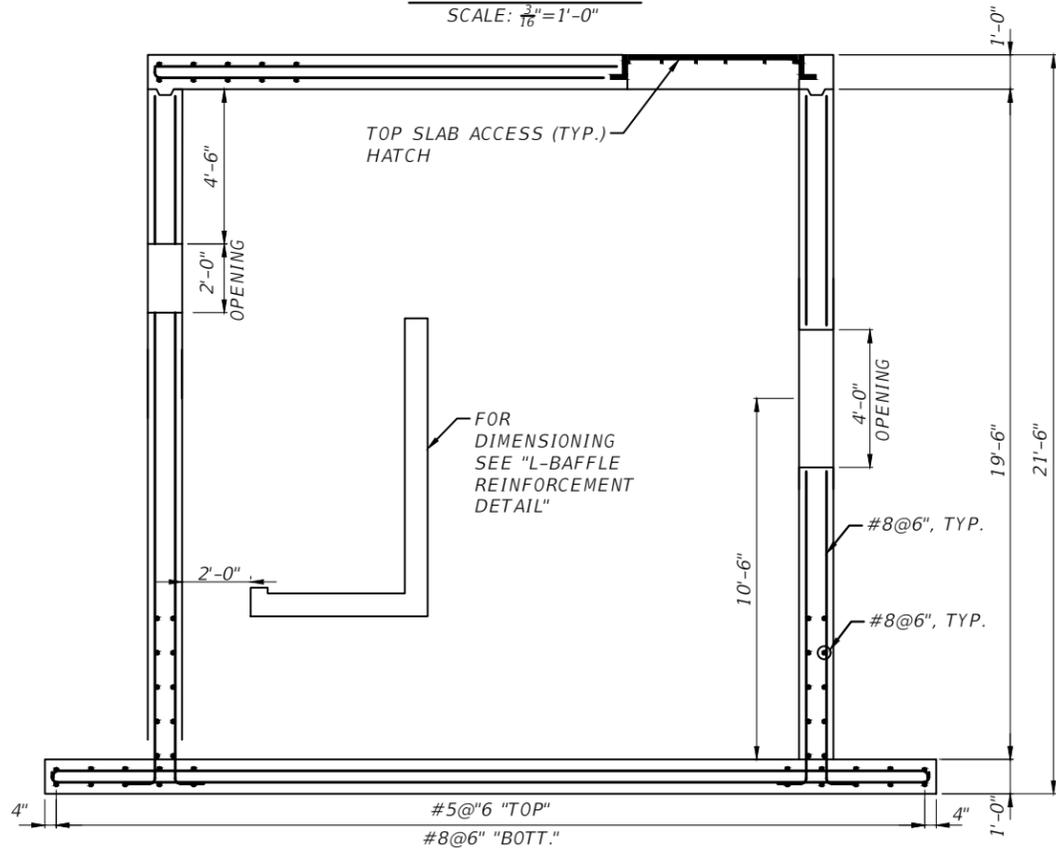
S-1A



FOR TOP & BOTTOM SLAB REIN. SEE "REINFORCEMENT DETAIL"



**NOTES:**  
1. FOR TREATMENT UNIT LOCATION SEE SHEET S-1.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

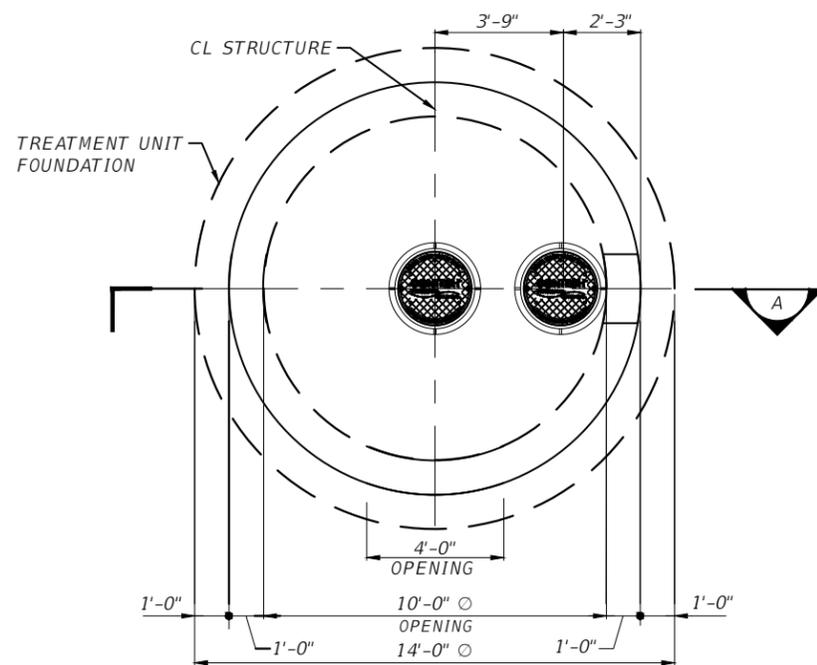
ROGER G KHOURI, P.E.  
P.E. LICENSE NUMBER 47745  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
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CERTIFICATE OF AUTHORIZATION 01462



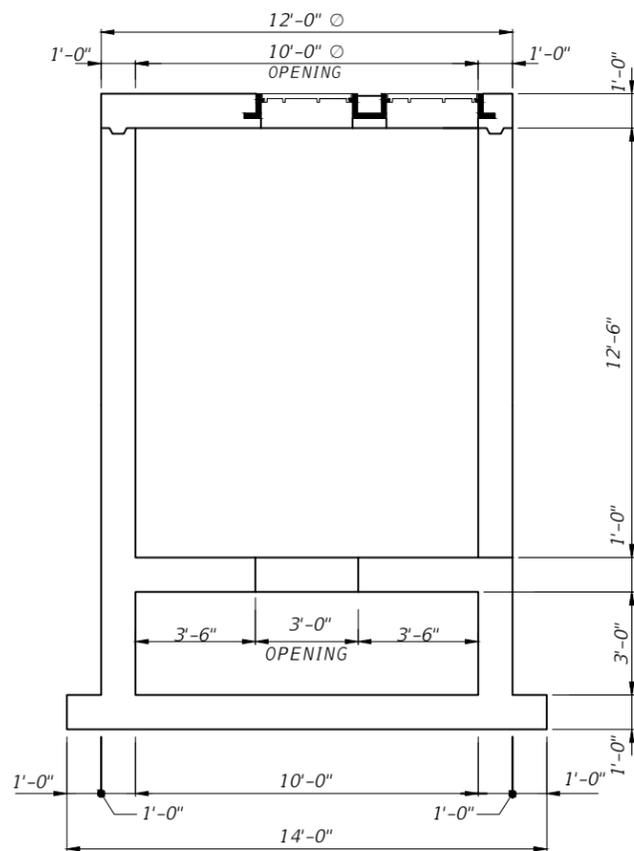
**SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT PROJECT (KEY LARGO AND BIG PINE KEY)**  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

**WET WELL PLAN AND SECTIONS**

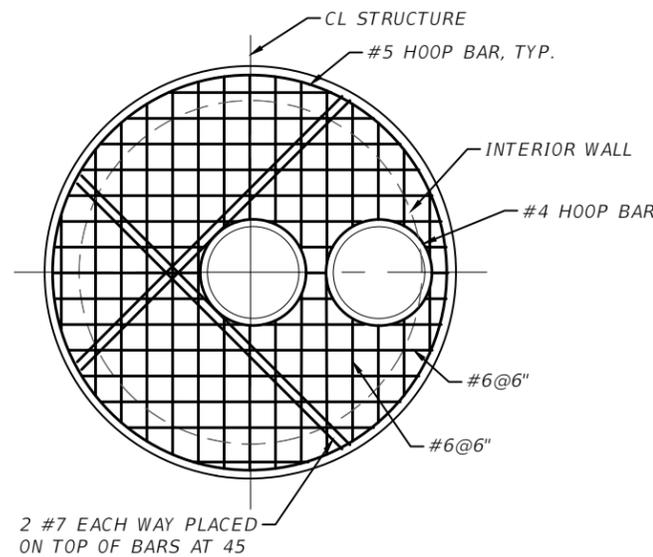
SHEET NO.  
**S-2A**



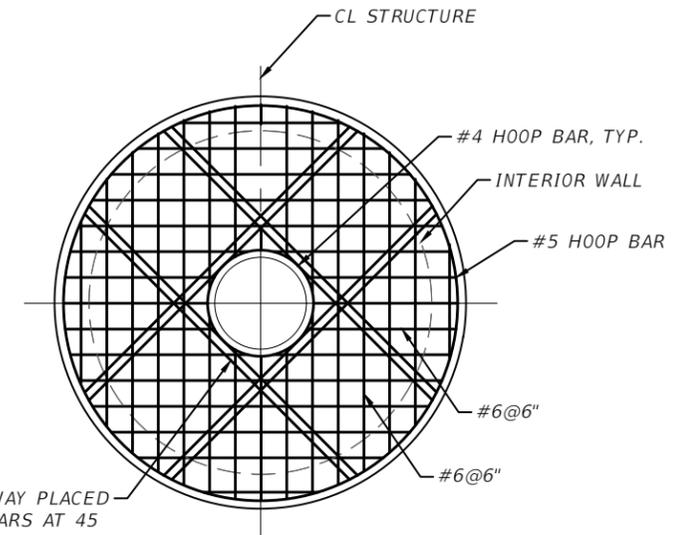
**TREATMENT UNIT-PLAN**  
SCALE:  $\frac{3}{16}'' = 1'-0''$



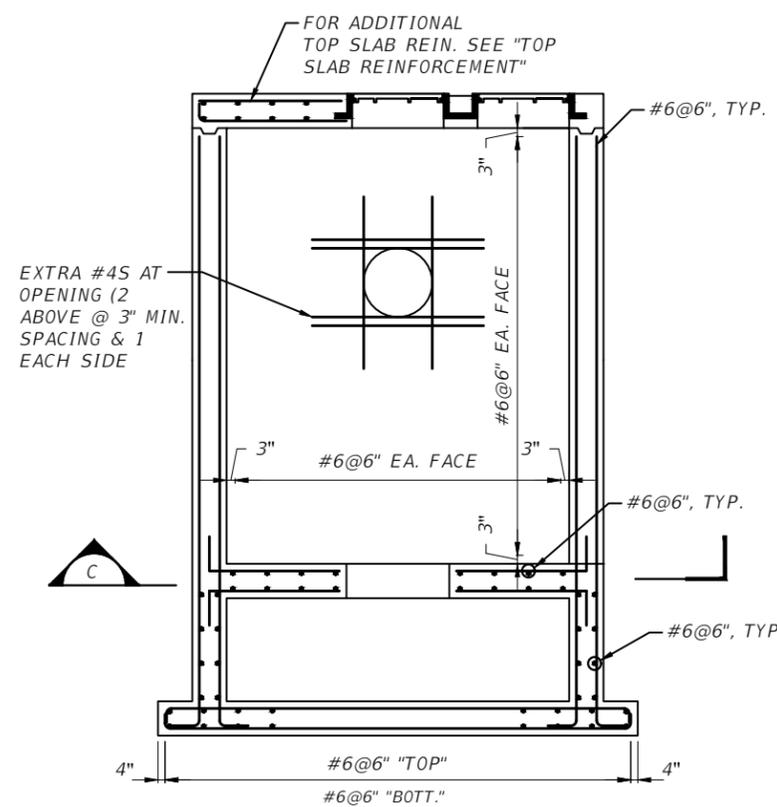
**SECTION A-A**  
SCALE:  $\frac{3}{16}'' = 1'-0''$



**TOP SLAB REINFORCEMENT DETAIL**  
SCALE:  $\frac{3}{16}'' = 1'-0''$



**SECTION B-B**  
SCALE:  $\frac{3}{16}'' = 1'-0''$



**REINFORCEMENT DETAIL**  
SCALE:  $\frac{3}{16}'' = 1'-0''$

**NOTES:**

1. FOR TREATMENT UNIT LOCATION SEE SHEET S-1.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROGER G KHOURI, P.E.  
P.E. LICENSE NUMBER 47745  
WSP USA, 7650 CORPORATE CENTER DRIVE,  
SUITE 300, MIAMI, FLORIDA 33126  
CERTIFICATE OF AUTHORIZATION 01462

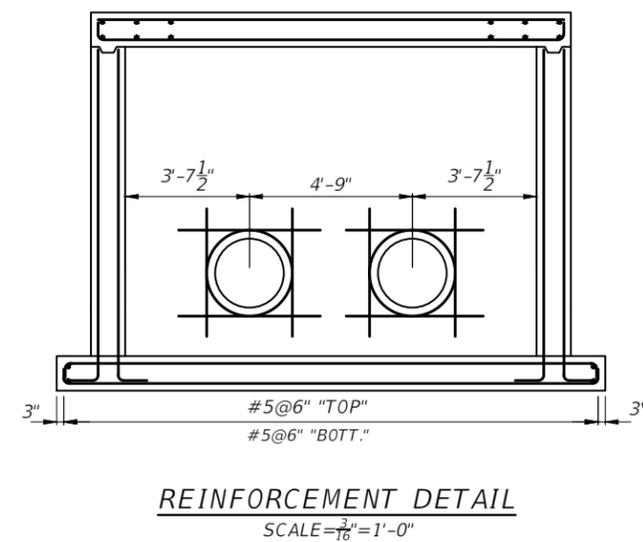
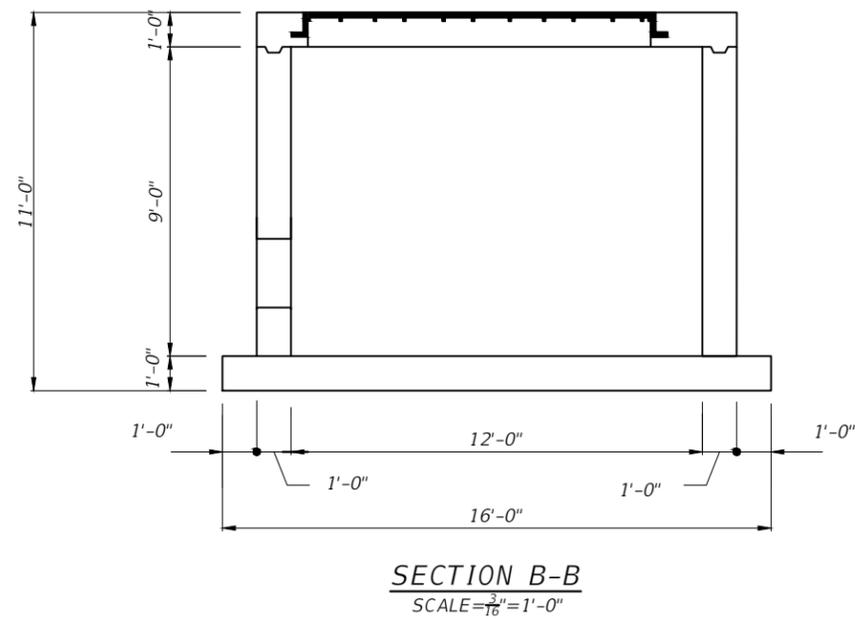
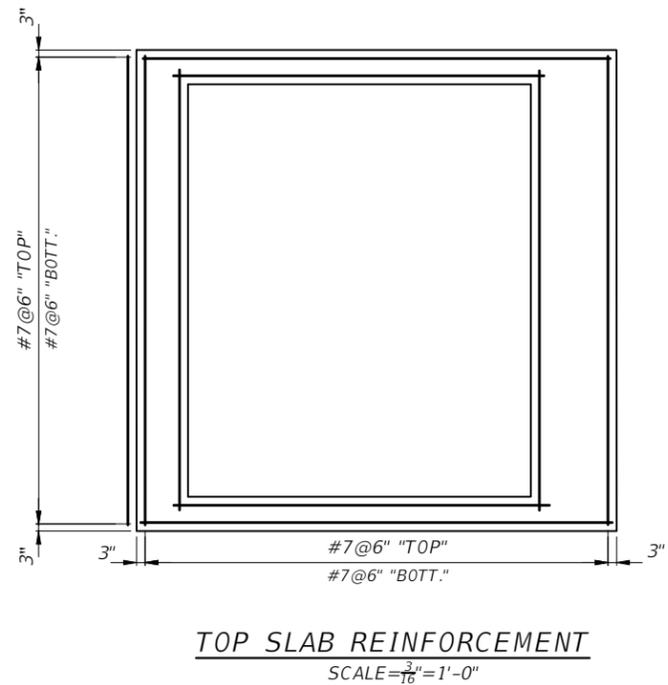
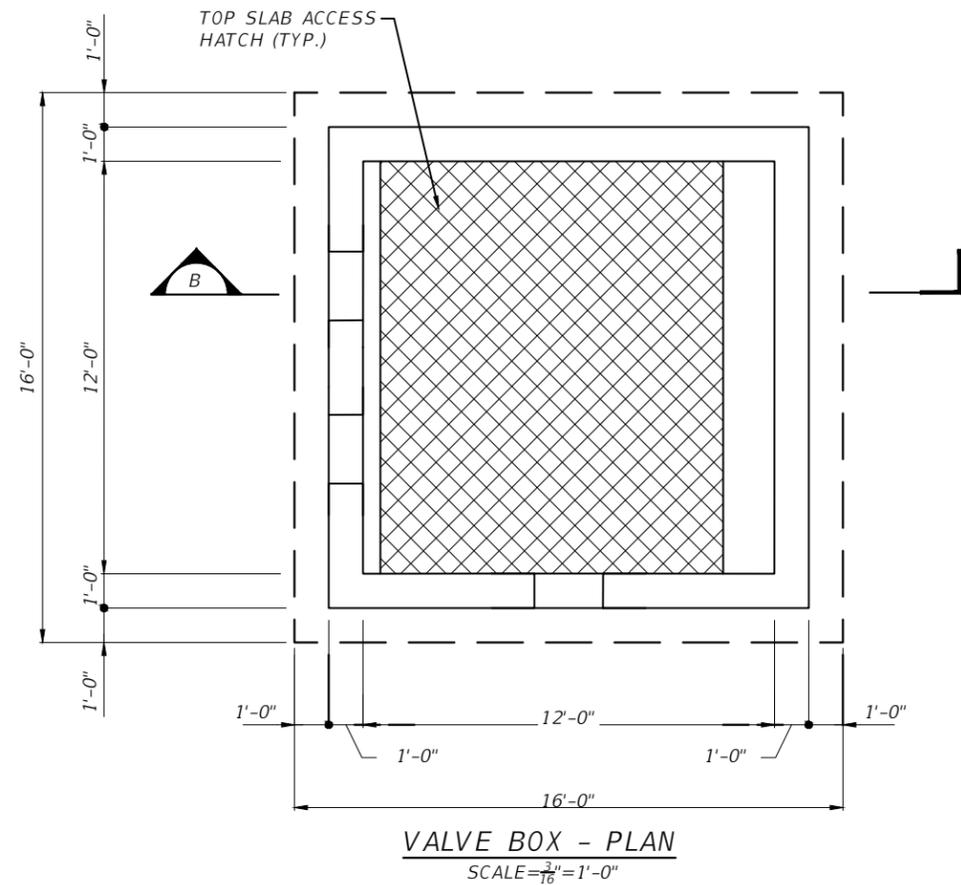


SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT  
PROJECT (KEY LARGO AND BIG PINE KEY)  
MONROE COUNTY - DEPARTMENT OF ENGINEERING

TREATMENT UNIT PLANS AND SECTIONS

SHEET NO.

S-3A



**NOTES:**  
1. FOR TREATMENT UNIT LOCATION SEE SHEET S-1.

REVISIONS				ROGER G KHOURI, P.E. P.E. LICENSE NUMBER 47745 WSP USA, 7650 CORPORATE CENTER DRIVE, SUITE 300, MIAMI, FLORIDA 33126 CERTIFICATE OF AUTHORIZATION 01462			<b>SEA LEVEL RISE ROADWAY AND DRAINAGE PILOT          PROJECT (KEY LARGO AND BIG PINE KEY)</b> MONROE COUNTY - DEPARTMENT OF ENGINEERING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					S-4A
							<b>VALVE BOX PLANS AND SECTIONS</b>	



**FL CDBG Mitigation  
General Infrastructure Program Project Budget**

Project Name:		Twin Lakes Road Mitigation Project		Primary Contact Name and Phone Number:		Judith Clarke 305-295-4329		Official Applicant Entity Name:		Monroe County Board of County Commissioners	
<b>Project</b>				<b>Budget</b>				<b>Notes</b>			
Description		CDBG-MIT Amount	Other non CDBG-MIT Funds	Source of Funds*		Total Funds (CDBG-MIT and Other)					
<b>DESIGN COSTS</b>											
Roadway and drainage design analysis			\$160,000	MCBOCC General Revenue Funds (GRF)		\$160,000		Monroe County has already procured and expended funds for design currently at 90%			
Construction Plans And Technical Specifications Preparation			\$75,000	MCBOCC General Revenue Funds (GRF)		\$75,000		Monroe County has already procured and expended funds for design currently at 90%			
Survey			\$30,000	MCBOCC General Revenue Funds (GRF)		\$30,000		Monroe County has already procured and expended funds for design currently at 90%			
Geotechnical investigation; wetland delineation			\$25,000	MCBOCC General Revenue Funds (GRF)		\$25,000		Monroe County has already procured and expended funds for design currently at 90%			
Environmental Review			\$25,000	MCBOCC General Revenue Funds (GRF)		\$25,000		Monroe County has already procured and expended funds for design currently at 90%			



Permitting – SFWMD, NPS and FDEP		\$5,750	MCBOCC General Revenue Funds (GRF)	\$5,750	Monroe County has already procured and expended funds for permits
<b>Total Design and Permitting at 90%</b>		<b>\$320,750</b>	<b>MCBOCC General Revenue Funds (GRF)</b>	<b>\$320,750</b>	<b>Monroe County has already procured and expended funds for permits and design currently at approximately 90%</b>
<b>CONSTRUCTION COSTS</b>					
Mobilization	\$520,484	NA	NA	\$520,484	Based on Engineers Estimate at 90%design
Maintenance of Traffic	\$72,000	NA	NA	\$72,000	Based on Engineers Estimate at 90%design
Roadway Construction	\$1,361,271	NA	NA	\$1,361,271	Based on Engineers Estimate at 90%design
Utility Adjustments	\$64,750	NA	NA	\$64,750	Based on Engineers Estimate at 90%design
Drainage system construction	\$3,778,817	NA	NA	\$3,778,817	Based on Engineers Estimate at 90%design
<b>Construction Contingency</b>	\$520,484	NA	NA	\$520,484	Based on Engineers Estimate at 90%design
<b>Construction Engineering and Inspection (CEI)</b>	\$520,484	NA	NA	\$520,484	Based on Engineers Estimate at 90%design
<b>Total Estimated Construction at 90% Design</b>	<b>\$6,838,290</b>	NA	NA	<b>\$6,838,290</b>	Based on Engineers Estimate at 90%design
<b>Project Management</b>	\$341,914	NA	NA	\$341,914	



<b>Totals: Design, Construction and Project Management</b>	<b>\$7,180,204</b>	<b>\$320,750</b>		<b>\$7,842,869</b>	
--	--------------------	------------------	--	--------------------	--

**\* All funds identified for use on your project must be fully disclosed and detailed to ensure budget accuracy and no duplication of benefits. Show the sources and amounts of other funds needed to complete the project below, including local funds and grants from other agencies. Any anticipated or committed funds must also be included.**

Source of Other Funds	Amount
1. Monroe County Board of County Commissioners – General Revenue Funds for Design Work Already completed	\$320,750
2.	
3.	



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**Community Development Block Grant – Mitigation Program  
General Infrastructure Program**

**Monroe County Twin Lakes Subdivision Road Mitigation Project**

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**PUBLIC PARTICIPATION REQUIREMENTS**

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As required by the CDBG-MIT GIP Guidelines, attached are the following required documents to demonstrate that Public Participation Requirements have been met:

1. Documentation of newspaper advertisement: *Attachment 1*
  - a. **Notice of Public Hearing** : The Notice was sent to the newspaper of general circulation on August 3, 2020 for publication on August 8, 2020. **The Public Hearing was scheduled for August 19, 2020 providing a total of 11 day notice of the public hearing. (Attachment 1a)**
  - b. **Key West Citizen Newspaper notice**: Printed notice from the Key West Citizen on August 8, 2020. (*Attachment 1b*)
2. Print-out of Monroe County webpage showing public notice: *Attachment 2*
3. Evidence of a public meeting with the Monroe County Board of County Commissioners: *Attachment 3*
  - a. **Online Recording of the BOCC Meeting**: The Public Hearing was conducted virtually on August 19, 2020 via ZOOM and recorded. The Board meeting may be viewed on demand at the following link: <https://monroe-fl.vod.castus.tv/vod/?video=a1956af6-d1c2-4db9-a372-5a4a9d1d99ed>. The CDBG-MIT GIP grant application were heard at 2:11pm. By using the arrow at the bottom of the screen, viewers may fast forward to the appropriate time.
  - b. **Board of County Commission Meeting Agenda**: The meeting agenda may be viewed in its entirety at the following weblink: <http://monroecountyfl.ig2.com/citizens/FileOpen.aspx?Type=14&ID=1139&Inline=True>. The Public Hearing for the CDBG-MIT GIP grant application was listed as an items in section “Q” on pages 13 and 14. Excerpts of the Agenda have been included at *Attachment 3a*.
  - c. **Board of County Commission Meeting Agenda Packet**: This document contains the full Agenda Items as well as all of the supporting back-up documentation and may be view at the following weblink: <http://monroecountyfl.ig2.com/citizens/FileOpen.aspx?Type=1&ID=1139&Inline=True>



The Agenda item for this grant application was excerpted and included at *Attachment 3b*.  
*Attachment 3b*.

4. Documentation of a meeting must include sign-in sheets and minutes
  - a. Participant List from Virtual Meeting Log In Data (*Attachment 4a*)
  - b. Meeting Minutes (*Attachment 4b*)
  - c. Public Comments from the Public Hearing (*Attachment 4c*)
  - d. d: Powerpoint Presentation of the Public Hearing 8-19-2020



Figure 1: Screen Shot of the Virtual Public Hearing at BOCC Meeting 8/19/2020



## Attachment 1: Documentation of Newspaper Advertisement



**Attachment 1a: Notice Sent to the Newspaper on August 3, 3030**

**NOTICE OF PUBLIC HEARING**

**NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN**, that on Wednesday, August 19, 2020, at 1:30P.M., the Board of County Commissioners of Monroe County, Florida, intends to consider the following:

**A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY (“DEO”) FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CDBG-MIT) FUNDING FOR THE BELOW-DESCRIBED PROJECTS:**

1. Sands Subdivision Road Elevation and Drainage Improvement Project: \$8.5 Million
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3. Stillwright Point Road Elevation and Drainage Improvement Project: \$21 Million
4. Public Works and Fleet Maintenance Facility Relocation to Rockland Key: \$13.7 Million
5. Big Coppitt Key Road Elevation and Drainage Improvement Project: \$8.5 Million

**In compliance with program requirements, the applications has been posted for public comment at the following website: <http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs> for a 10-day minimum public comment period.**

**The State of Florida, Department of Economic Opportunity has allocated \$475 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigation (CDBG-MIT) Program. The GIP will allow units of general local government (UGLG) to enhance community lifelines by mitigating community infrastructure.**

**Pursuant to Executive Order No. 20-69, Monroe County Emergency Directive 20-06, and the Center for Disease Control (“CDC”) social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology (“CMT”), using a Zoom Webinar platform. Executive Order 20-179 extends EO 20-69. If the Governor issues a subsequent order changing directives for Local Government Public Meetings, the County will provide updates on the County Website at MonroeCounty-FL.Gov. Public Hearings will commence at 1:30P.M. Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items.**



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<https://mcbooc.zoom.us/j/98228060317>

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For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to:

- Lindsey Ballard ([ballard-lindsey@monroecounty-fl.gov](mailto:ballard-lindsey@monroecounty-fl.gov)), or
- Liz Yongue ([yongue-liz@monroecounty-fl.gov](mailto:yongue-liz@monroecounty-fl.gov))

**ADA ASSISTANCE:** If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator's Office, by phoning (305) 292-4441, between the hours of 8:30 a.m.---5:00



**p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing-or voice-impaired, call “711”.**

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

(SEAL)

**KEVIN MADOK**, Clerk of the Circuit Court and  
*ex officio* Clerk of the Board of County  
Commissioners of Monroe County,

Florida

**Publication Dates:**

**Citizen: Sat., 08/08/2020**

**Keys Weekly: Thur., 08/13/2020**

**News Barometer: Fri., 08/14/2020**



Attachment 1B: Publication of Advertisement in the Key West Citizen on August 8, 2020; the News Barometer August 14, 2020; and the Keys Weekly August 13, 2020.

THE KEY WEST CITIZEN • WEEKEND EDITION, AUGUST 8-9, 2020

3C

# KEYSWIDE CLASSIFIED®

### DEADLINES - LINE ADS

Monday Edition	4pm Friday
Tuesday Edition	10am Monday
Wednesday Edition	10am Tuesday
Thursday Edition	10am Wednesday
Friday Edition	10am Thursday
Weekend Edition	10am Friday
Year-End Map	4pm Wednesday

### NOTICE TO ADVERTISERS

In case of errors, please check your ad the first day it appears. In the event of an error, we are responsible for the first incorrect insertion of an ad. The Citizen does not assume responsibility for any reason beyond the cost of the ad itself.

### CANCELLATIONS

All word ad rates are placement fees and non-refundable (for frequency days canceled). Ads may be removed from the publication with placement fee remaining.

### NOTICE TO CONTRACTORS

Monroe County requires that Contractors that advertise must include their permanent certificate of competency number. If you have questions concerning requirements, please call the Monroe County Building Department at (305)289-2564.



**292-7777**

Mon-Fri 8AM - 4PM • Proven to Work for Over 140 Years

<b>010</b> ANNOUNCEMENTS	<b>050</b> LEGAL NOTICES	<b>100</b> TRANSPORTATION	<b>140</b> BOATS	<b>200</b> MERCHANDISE	<b>250</b> YARD SALES	<b>400</b> RENTALS	<b>500</b> REAL ESTATE - COM	<b>600</b> REAL ESTATE - RES	<b>700</b> SERVICES	<b>960</b> HELP WANTED	<b>1000</b> SERVICE DIRECTORY
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### 50 Calls For Bids

DL Porter Constructors, Inc is currently seeking qualified DBE subcontractor quotes for the Florida Keys Marathon Airport - Terminal Building Rehab & Security Site Lighting Rehab. Plans and specifications are available via email ([Kevin@dlporter.com](mailto:Kevin@dlporter.com)). All pricing to be submitted to [Kevin@dlporter.com](mailto:Kevin@dlporter.com) no later than **Tuesday, August 10, 2020 @ 1:00pm**.  
July 11, 18, 25 & August 1 & 8, 2020  
Key West Citizen

### NOTICE OF REQUEST FOR COMPETITIVE SOLICITATIONS

NOTICE IS HEREBY GIVEN that on **Wednesday, September 9, 2020, at 3:00 PM**, the Monroe County Purchasing Office will receive and open sealed responses for the following:

#### Standby Emergency Feeding Services Monroe County, Florida

Pursuant to F.S. 50.021(3)(a), all published competitive solicitation notices can be viewed at: [www.floridapublic-notices.com](http://www.floridapublic-notices.com), a searchable Statewide repository for all published legal notices. Requirements for submission and the selection criteria may be requested from DemandStar at [www.demandstar.com](mailto:www.demandstar.com) OR [www.monroecountybids.com](http://www.monroecountybids.com).

In response to Covid-19, the Monroe County Purchasing Department has implemented a new electronic process for receiving and opening sealed bids. Monroe County is committed to continuing to receive and process contracts.

### 57 Public Notice

- Manager, Delinquent Tax Department
- Manager, Tourist Development Tax
- Manager, Information Technology

Additional information may be obtained by writing to the Monroe County Tax Collector, PO Box 1129, Key West, FL 33041-1129.  
08/01/20 & 08/08/20 Key West Citizen

### NOTICE OF INTENTION TO CONSIDER ADOPTION OF COUNTY ORDINANCE

NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN that on August 19, 2020, at 1:30 PM, or as soon thereafter as may be heard, the Board of County Commissioners of Monroe County, Florida, intends to consider the adoption of the following County ordinance:

AN ORDINANCE OF THE MONROE COUNTY BOARD OF COUNTY COMMISSIONERS AMENDING SECTION 19-4 OF THE MONROE COUNTY CODE PROVIDING FOR REVISED TOLL RATES; PROVIDING FOR SEVERABILITY; PROVIDING FOR REPEAL OF ALL ORDINANCES INCONSISTENT HERewith; PROVIDING FOR INCORPORATION INTO THE MONROE COUNTY CODE OF ORDINANCES; AND PROVIDING FOR AN EFFECTIVE DATE.

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearing or meetings, he will need a record of the pro-

### 57 Public Notice

ERS OF MONROE COUNTY, FLORIDA AMENDING ORDINANCE NO. 014-2020 AS AMENDED BY ORDINANCE 022-2020 TO MANDATE THAT INDIVIDUALS WEAR A FACE COVERING IN PUBLIC IN CERTAIN CIRCUMSTANCES; ESTABLISHING A MINIMUM COUNTY-WIDE REQUIREMENT, EXCEPT TO THE EXTENT OF A MUNICIPAL ORDINANCE IN CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR REPEAL OF ALL ORDINANCES INCONSISTENT HERewith; PROVIDING FOR TRANSMITTAL TO THE SECRETARY OF STATE AND PROVIDING FOR AN EFFECTIVE AND SUNSET DATE.

### ORDINANCE NO. 025-2020

AN UNCODIFIED EMERGENCY ORDINANCE BY THE BOARD OF COUNTY COMMISSIONERS OF MONROE COUNTY, FLORIDA AMENDING ORDINANCE NO. 023-2020 CREATING SECTION 3.15) ALLOWING RESTAURANTS TO SELL FOOD TO CUSTOMERS THROUGH DRIVE THROUGH, DELIVERY AND/OR CURBSIDE SERVICES DURING THE HOURS OF 11:00 PM. AND 5:00 A.M.; CREATING SECTION 4.(2); PROVIDING FOR A NO CONTEST FINE OF \$250 IN LIEU OF CONTESTING AN ISSUED CITATION; TO MANDATE THAT ALL BARS, RESTAURANTS, AND FOOD SERVICE ESTABLISHMENTS CLOSE FROM 11 PM. UNTIL 5 A.M. EACH DAY STARTING AT 11 PM. ON JULY 24, 2020 AND ENDING AT 5 A.M. ON AUGUST 19, 2020; PROHIBITING ALCOHOL SALES FROM 11 PM. UNTIL 7 A.M. EACH DAY STARTING AT 11 PM. ON JULY 24, 2020 AND ENDING AT 7 A.M. ON AUGUST 19, 2020;

### 58 Notice To Creditors

#### NOTICE TO CREDITORS

The administration of the estate of THOMAS BLAIR FARNED, deceased, is pending in the Circuit Court for Monroe County, Florida, Probate Division, the address of which is 402 Fleming Street, Key West, FL 33040. The names and addresses of the personal representative and the personal representative's attorney are set forth below.

All creditors of the decedent and other persons having claims or demands against decedent's estate on whom a copy of this notice is required to be served must file their claims with this court ON OR BEFORE THE LATER OF 3 MONTHS AFTER THE TIME OF THE FIRST PUBLICATION OF THIS NOTICE OR 30 DAYS AFTER THE DATE OF SERVICE OF A COPY OF THIS NOTICE ON THEM.

All other creditors of the decedent and other persons having claims or demands against decedent's estate must file their claims with this court WITHIN 3 MONTHS AFTER THE DATE OF THE FIRST PUBLICATION OF THIS NOTICE.

ALL CLAIMS NOT FILED WITHIN THE TIME PERIODS SET FORTH IN FLORIDA STATUTES SECTION 733.702 WILL BE FOREVER BARRED.

NOTWITHSTANDING THE TIME PERIODS SET FORTH ABOVE, ANY CLAIM FILED TWO (2) YEARS OR MORE AFTER THE DECEDENT'S DATE OF DEATH IS BARRED.

The date of first publication of this notice is August 8, 2020.

Attorney for Personal Representative: SHERI SMALL WOOD, CHARTERED

### 58 Notice To Creditors

#### Personal Representatives:

Kathy Barson  
27962 Temple Avenue  
Little Torch Key, FL 33042

Ben Seeker  
2009 Old Independence Road Brenham,  
TX, 77833  
08/08/20 & 08/15/20 Key West Citizen

### keysnews.com

### 59 Public Hearings

#### NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN TO WHOM IT MAY CONCERN, that on Wednesday, August 19, 2020, at 1:30 P.M., the Board of County Commissioners of Monroe County, Florida, intends to consider the following:

A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY ("DEO") FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CDBG-MIT) FUNDING FOR THE BELOW-DESCRIBED PROJECTS:

1. Sands Subdivision Road Elevation and Drainage Improvement Project;

### 59 Public Hearings

ings is made, which record includes the testimony and evidence upon which the appeal is to be based.  
Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida  
08/08/20 Key West Citizen

### 279 Yard Sale Map

17 KEY HAVEN TERRACE  
Sat. ONLY 9am - 1pm  
Family Blow out sale

2006 Honda Odyssey, kitchen cabinets, Xbox 360 & games, Nintendo games, CD's, DVD player & DVD's, mens/womens clothes, car bike rack, furniture, 2 kid boat tube, Tundra Factory stereo, books, tools and lots more!  
No early birds

27 PEQUENA LANE, BIG COPPITT  
Saturday 7:30-noon.  
Two family yard sale.  
Variety of good stuff!

Sale under still home, so rain or shine!

3439 RIVIERA DR.  
Friday & Saturday, 9 - 12  
Great MCM furniture & decor, original art by Steve Eid, Kate Peashey, Rick Worth & more, stereo equipment, women's clothing & accessories, outdoor furniture, general household, bikes & so much more!  
Everyone MUST wear a mask & we will



**59 Public Hearings**

**NOTICE OF PUBLIC HEARING**

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4. Public Works and Fleet Maintenance Facility Relocation to Rockland Key: \$13.7 Million
5. Big Coppitt Key Road Elevation and Drainage Improvement Project: \$8.5 Million

In compliance with program requirements, the applications has been posted for public comment at the following website: <http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs> for a 10-day minimum public comment period.

The State of Florida, Department of Economic Opportunity has allocated \$475 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigation (CDBG-MIT) Program. The GIP will allow units of general local government (UGLG) to enhance community lifelines by mitigating community infrastructure.

Pursuant to Executive Order No. 20-69, Monroe County Emergency Directive 20-06, and the Center for Disease Control ("CDC") social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology ("CMT"), using a Zoom Webinar platform. Executive Order 20-179 extends EO 20-69. If the Governor issues a subsequent order changing directives for Local Government Public Meetings, the County will provide updates on the County Website at [MonroeCounty-FL.Gov](http://MonroeCounty-FL.Gov). Public Hearings will commence at 1:30P.M. Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items.

GIF

The public is strongly encouraged to watch the meeting on Monroe County's MCTV Comcast Channel 76, or listen to audio-only from their phones by dialing (646) 518-9805 and, when prompted, enter the Webinar ID number 982 2806 0317 followed by the # key.

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**59 Public Hearings**

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Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

**KEVIN MADOK**, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida  
08/08/20 Key West Citizen



30330 Overseas Highway

P.O. Box 431639

Big Pine Key, FL 33043

Phone: 305-872-0106 Fax: 305-515-2939

**AFFIDAVIT OF PUBLICATION**

STATE OF FLORIDA  
COUNTY OF MONROE

Before the undersigned authority personally appeared Steve Estes, who on oath says that he is the Publisher for the News-Barometer, a weekly newspaper published each Friday in Big Pine Key, Monroe County, Florida; that the attached copy of advertisement, being a legal notice in the matter of:

**LEGAL NOTICE: PUBLIC HEARING CDBG-MIT DRAINAGE PROJECTS: MONROE COUNTY PLANNING & ENVIRONMENTAL RESOURCES, 102050 OVERSEAS HIGHWAY, Key Largo, FL 33037**

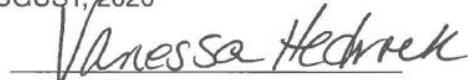
was published in said newspaper in the issue(s) of:  
AUGUST 14, 2020

Affiant further says that the News-Barometer is a weekly newspaper published in Big Pine Key, in said Monroe County, Florida and that said newspaper has heretofore been continuously published in said Monroe County, Florida each week and has been entered as first-class mail matter at the post office in Big Pine Key, in said Monroe County, Florida, for a period of 1 year next preceeding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

  
\_\_\_\_\_  
Signature of Affiant

Sworn and subscribed before me this 17TH day of AUGUST, 2020

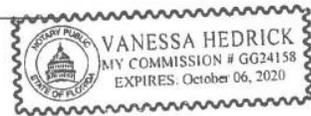
  
\_\_\_\_\_  
Signature of Notary

  
\_\_\_\_\_  
Printed Name of Notary

Expires 10/06/2020

Personally Known X Produced Identification \_\_\_\_\_

Type of Identification Produced \_\_\_\_\_





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For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to:

Lindsey Ballard ([ballard.lindsey@monroecounty-fl.gov](mailto:ballard.lindsey@monroecounty-fl.gov)), or Liz Yongue ([yongue.liz@monroecounty-fl.gov](mailto:yongue.liz@monroecounty-fl.gov))

ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator's Office, by phoning (305) 292-4441, between the hours of 8:30 a.m.—5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing-or voice-impaired, call "711".

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

Dated at Key West, Monroe County, Florida, this 5th day of August, 2020.

(SEAL)

KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida

**LEGAL NOTICES**



\*\* Unincorporated areas, City of Marathon, Layton and Key Colony Beach

**NOTICE OF HEARING TO REIMPOSE AND PROVIDE FOR COLLECTION OF SOLID WASTE SERVICE SPECIAL ASSESSMENTS**

Notice is hereby given that the County Commission, Monroe County, Florida will conduct a virtual public hearing to consider reimposing solid waste service assessments for the Fiscal Year beginning October 1, 2020, against certain improved residential properties located within Monroe County and the City of Marathon, Layton and Key Colony Beach to fund the cost of solid waste collection services, facilities and programs provided to such properties and to authorize collection of such assessments on the tax bill.

The virtual public hearing will be held at 5:05 p.m. on September 3, 2020, at the following virtual address: <https://www.monroecounty-fl.gov/BudgetSep3>, for the purpose of receiving public comment on the proposed assessments. All affected property owners have a right to appear virtually at the hearing and to file written objections with the County Commission within 20 calendar days of the date of this notice. Pursuant to section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the County Commission with respect to any matter considered at the hearing, such person will need a record of the proceedings and may need to ensure that a verbatim record is made, including the testimony and evidence upon which the appeal is to be made. In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in this proceeding should contact the County Administrator at (305) 292-4441, at least 48 hours prior to the date of the hearing. If hearing impaired, contact the Florida Relay Service Number, by dialing "711" for assistance. The total annual solid waste assessment revenue to be collected within Monroe County and the City of Marathon, Layton and Key Colony Beach for the upcoming fiscal year is estimated to be \$12,900,000. The rate of assessment for the upcoming fiscal year shall be \$407.00 per residential dwelling unit. The maximum rate of assessment that can be imposed in the fiscal year commencing October 1, 2020 and future fiscal years shall be \$407.00 per residential dwelling unit. Copies of the legal documentation for the assessment program will be made available upon request by contacting the County Administrator's office at (305)292-4441 Monday through Friday, between 8:30 a.m. and 5:00 p.m..

If you have any questions, please contact the County at (305)295-4323 or (305) 292-4536, Monday through Friday between 8:30 a.m. and 5:00 p.m.

The assessments will be collected on the ad valorem tax bill to be mailed in November 2020, as authorized by section 197.3632, Florida Statutes. Failure to pay the assessments will cause a tax certificate to be issued against the property which may result in a loss of title.

Pursuant to Executive Order No. 20-69 (extended by Executive Order Nos. 20-112, 20-139 and 20-179), Monroe County Emergency Directive 20-06, and the Center for Disease Control ("CDC") social-distancing guidelines established to contain the spread of the COVID-19 virus, this meeting will be conducted via Communication Media Technology ("CMT"), using a Zoom Webinar platform @ <https://www.monroecounty-fl.gov/BudgetSep3>.

The public is strongly encouraged to watch the meeting on Monroe County's MCTV on Comcast Channel 76, or listen to audio-only from their phone by dialing (646) 518-9805 or (669) 900-6833 and, when prompted, enter the Webinar ID# 969 4844 1250 followed by the #key.

The public can watch the online meeting by visiting the County's meeting portal @ <http://monroecountyfl.lqm2.com/Citizens/Default.aspx>, and selecting the "Watch Live" banner to view with live closed-captioning on an integrated page that includes the Agenda/Agenda backup.

Or iPhone one-tap :

US: +16465189805,98346979969# or +16699006833,98346979969#

Or Telephone:

Dial (for higher quality, dial a number based on your current location):

US: +1 646 518 9805 or +1 669 900 6833

Webinar ID: 983 4697 9969

International numbers available: <https://mcbocc.zoom.us/j/aeGkPN1oxE>

If a person wishes to comment on a particular item on the public portion of the agenda, when the webinar monitor and/or the Mayor calls for speakers on the item on which you wish to comment:

- a) **If phoning in:** Dial \*9 to "raise your hand" to be recognized by the Zoom webinar monitor;
- b) **If watching online:** click on/open the live Zoom Webinar link below:

<https://monroecounty-fl.gov/BudgetSep3> that appears in both the published Agenda and Agenda Packet. When prompted, enter your email address and name to join the webinar and then select the "Raised Hand" feature that appears at the bottom of the Zoom webinar screen to be recognized by the webinar monitor.

The webinar monitor/meeting host will request the Agenda item # on which you wish to speak and will enable your participation when the Mayor calls for public speakers on your item. To report problems with the broadcast, please call (305) 872-8831.

A person may submit written or other physical evidence on a particular agenda item for consideration at the BOCC meeting to: Lindsey Ballard, via email, to: [ballard.lindsey@monroecounty-fl.gov](mailto:ballard.lindsey@monroecounty-fl.gov), or by mail to: The County Administrator's Office, 1100 Simonton Street, Suite 205, Key West, FL 33040. The documents must be received by 3:00 PM on Tuesday, September 1, 2020, and must include the submitter's name, address, phone number, email address, and the agenda item number to which the documents refer.

Dated at Key West, Monroe County, Florida this 7th day of August 2020.

BOARD OF COUNTY COMMISSIONERS MONROE COUNTY, FLORIDA  
KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida



Published Weekly  
Marathon, Monroe County, Florida

**PROOF OF PUBLICATION**

**STATE OF FLORIDA  
COUNTY OF MONROE**

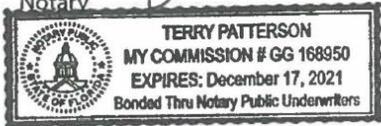
Before the undersigned authority personally appeared JASON KOLER who on oath, says that he is PUBLISHER of the WEEKLY NEWSPAPERS, a weekly newspaper published in Marathon, in Monroe County, Florida; that the attached copy of advertisement was published in said newspaper in the issues of: (date(s) of publication)

August 13, 2020

Affiant further says that the said WEEKLY NEWSPAPERS is a newspaper published at Marathon, in said Monroe County, Florida, and that the said newspaper has heretofore been continuously published in said Monroe County, Florida, once each week (on Thursday) and has been qualified as a second class mail matter at the post office in Marathon, in Monroe County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement. The affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper(s) and that The Weekly Newspapers is in full compliance with Chapter 50 of the Florida State Statutes on Legal and Official Advertisements.

J. Koler  
Sworn to and subscribed before me this 13 day of Aug, 2020.  
(SEAL)

Terry Patterson  
Notary



NOTICE OF PUBLIC HEARING WHOM IT MAY CONCERN, that on Wednesday, August 19, 2020, at 1:30P.M., the Board of County Commissioners of Monroe County, Florida, intends to consider the following:  
A VIRTUAL PUBLIC MEETING REGARDING APPROVAL TO APPLY TO THE DEPARTMENT OF ECONOMIC OPPORTUNITY ("DEO") FOR COMMUNITY DEVELOPMENT BLOCK GRANT-MITIGATION (CDBG-MIT) FUNDING FOR THE BELOW-DESCRIBED PROJECTS:  
1. Sands Subdivision Road Elevation and Drainage Improvement Project: \$8.5

- Million
- 2. Twin Lakes Road Elevation and Drainage Improvement Project: \$7.1 Million
- 3. Stillwright Point Road Elevation and Drainage Improvement Project: \$21 Million
- 4. Public Works and Fleet Maintenance Facility Relocation to Rockland Key: \$13.7 Million
- 5. Big Coppitt Key Road Elevation and Drainage Improvement Project: \$8.5 Million

In compliance with program requirements, the applications has been posted for public comment at the following website:  
<http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs> for a 10-day public comment period.

The State of Florida, Department of Economic Opportunity has allocated \$475 Million to the General Infrastructure Program (GIP), funded through the Community Development Block Grant-Mitigation (CDBG-MIT) Program. The GIP will allow units of general local government (UGLG) to enhance community lifelines by mitigating community infrastructure. Pursuant to Executive Order No. 20-69, Monroe County Emergency Directive 20-06, and the Center for Disease Control ("CDC") social-distancing guidelines established to contain the spread of the COVID-19 virus, the August 19, 2020, meeting of the Board of County Commissioners of Monroe County, Florida, will be conducted via Communication Media Technology ("CMT"), using a Zoom Webinar platform. Executive Order 20-179 extends EO 20-69. If the Governor issues a subsequent order changing directives for Local Government Public Meetings, the County will provide updates on the County Website at [MonroeCounty-FL.Gov](http://MonroeCounty-FL.Gov). Public Hearings will commence at 1:30P.M. Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items.

The public is strongly encouraged to watch the meeting on Monroe County's MCTV Comcast Channel 76, or listen to audio-only from their phones by dialing (646) 518-9805 and, when prompted, enter the Webinar ID number 982 2806 0317 followed by the # key.

The public can watch the meeting online by visiting the County's meeting portal at: <http://monroecountyfl.com/Citizens/Default.aspx> to view with live closed-captioning on an integrated page that includes the Agenda/Agenda backup.

If a person wishes to comment on a particular item on the agenda, when the Mayor calls for speakers on the item on which you wish to comment:  
a) If phoning in: Dial \*9 to "raise your hand" to be recognized by the Zoom webinar monitor;  
b) If watching online: open the Zoom Webinar link below: <https://mcboccl.zoom.us/j/98228060317>

When prompted, enter your email address and name to join the webinar and be recognized by the meeting monitor. The live Zoom Webinar link also appears in the published Agenda and Agenda Packet.

A person may submit written or other physical evidence on a particular agenda item for consideration at the BOCC meeting to: Lindsey Ballard, via email, to: [ballard-lindsey@monroecounty-fl.gov](mailto:ballard-lindsey@monroecounty-fl.gov), or by mail to: The County Administrator's Office, 1100 Simonton Street, Key West, FL 33040. The documents must be received

by 9:00A.M. on Monday, August 16, 2020, and must include the submitter's name, address, phone number, email address, and the agenda item number to which the documents refer. For additional assistance, please call (305) 292-4441, or email your request to your request or inquiry to:

Lindsey Ballard ([ballard-lindsey@monroecounty-fl.gov](mailto:ballard-lindsey@monroecounty-fl.gov)), or Liz Yongue ([yongue-liz@monroecounty-fl.gov](mailto:yongue-liz@monroecounty-fl.gov))

ADA ASSISTANCE: If you are a person with a disability who needs special accommodation in order to participate in this meeting, please contact the County Administrator's Office, by phoning (305) 292-4441, between the hours of 8:30 a.m.—5:00 p.m., no later than five (5) calendar days prior to the scheduled meeting; if you are hearing-or voice-impaired, call "711".

Pursuant to Section 286.0105, Florida Statutes, notice is given that if a person decides to appeal any decision made by the Board with respect to any matter considered at such hearings or meetings, such person will need a record of the proceedings, and that, for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Dated at Key West, Monroe County, Florida, this 5<sup>th</sup> day of August, 2020.

KEVIN MADOK, Clerk of the Circuit Court and ex officio Clerk of the Board of County Commissioners of Monroe County, Florida  
Publish:  
August 13, 2020  
The Weekly Newspapers



Attachment 2: Print-out of Monroe County webpage showing public notice posted on August 6, 2020

<http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs>

Home » Services / Programs » Hurricane Irma Recovery » Rebuild Florida » CDBG-Mitigation Programs

**CDBG-MITIGATION PROGRAMS**

The U.S. Department of Housing and Urban Development (HUD) announced that \$633 million in first-of-its-kind funding would be available to the state of Florida for disaster mitigation projects in [areas impacted](#) by presidentially declared disasters in 2016 and 2017. These funds are available through HUD's newly created Community Development Block Grant - Mitigation (CDBG-MIT) and will be used to fund disaster mitigation programs to better protect Florida from future disasters:

**DEO has launched all of the CDBG-Mitigation Programs**

- 1. **Critical Facility Hardening Program (CFHP) (\$75 Million)** launched on April 15 with a submission deadline of June 30, 2020.

Staff requested approval from the Board of County Commissioners at their June 17, 2020 meeting to submit two grant applications for the CFHP. The following application were submitted to the Florida Department Economic Opportunity on June 23, 2020.

[Hardening of the Tavernier Fire Station #22](#)

[Hardening of the Monroe County Sheriff's Office Detention Center on Stock Island-](#)

- 2. **General Planning Support (GPS) (\$20 Million)** launched on May 15, 2020 with a submission deadline of July 30, 2020.

General Planning Support Grant Application submitted to DEO on July 28, 2020. Below is the submitted grant application. (LINK) We are now awaiting notification from the Florida Department of Economic Opportunity.

[Florida Keys Regional Resilience Plan and Neighborhood Livability Outreach and Planning](#)

- 3. **General Infrastructure Program- Round 1 Funding (CDBG-MIT funding \$475 Million)** launched on June 15, 2020 with a deadline of September 14, 2020. Monroe County intends to submit the following grant applications to the Florida Department of Economic Opportunity upon approval of the Monroe County Board of County Commissioners. In compliance with the program guidelines, Monroe County will host a virtual public meeting on August 19, 2020 at 1:30 pm. The notice of the public hearing will be posted in a Citizen and the Keys Weekly at least 5 days prior to the virtual public meeting and is located [here](#). Public comments on these proposed grant applications may be submitted via email to the contact listed below from August 3, 2020 through September 3, 2020.

1. [Sands Subdivision Road Elevation and Drainage Improvement Project, \\$8.5 Million](#)

2. [Twin Lakes Road Elevation and Drainage Improvement Project, \\$ 7.1 Million](#)

3. [Stillwright Point Road Elevation and Drainage Improvement Project, \\$21 Million](#)

4. [Public Works and Fleet Maintenance Facility Relocation to Rockland Key, \\$ 13.7 Million](#)

5. [Bje Coppitt Key Road Elevation and Drainage Improvement Project, \\$8.5 Million](#)

**Public Comments**

Public comments on the proposed applications will be accepted as required by the US Department of Housing and Urban Development. To submit public comment, send an email to [Wetherington-Helene@monroecounty-fl.gov](mailto:Wetherington-Helene@monroecounty-fl.gov)

**Additional Information**

For additional information on the Florida Department of Economic Opportunity Rebuild Florida mitigation grant programs go to <http://www.floridajobs.org/rebuildflorida/mitigation>.



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**Attachment 3: Evidence of a public meeting with the Monroe County Board of County Commissioners**



**Attachment 3a: Excerpts from the Monroe County Board of County Commissioners August 19, 2020 Board Agenda.**

Public Hearings are listed in Section Q. The full Agenda may be viewed online at <http://monroecountyfl.igq2.com/citizens/FileOpen.aspx?Type=14&ID=1139&Inline=True>.



**REVISED AGENDA**

**MONROE COUNTY BOARD OF COUNTY COMMISSIONERS**

**PUBLIC NOTICE**

**August 19, 2020 Regular Meeting**

**Zoom webinar:** <http://www.monroecounty-fl.gov/BocccMeetingAugust19>

**To report problems with the broadcast or Zoom webinar, please call (305) 872-8831.**

Pursuant to Executive Order No. 20-69 (extended by Executive Orders No. 20-112, 20-139, 20-150 and 20-179); Monroe County Emergency Directives 20-06 and 20-10; and the Center for Disease Control ("CDC") social distancing guidelines established to contain the spread of the COVID-19 virus; the **August 19, 2020 Meeting** of the Board of County Commissioners of Monroe County, FL will be conducted via Communication Media Technology ("CMT") using a Zoom Webinar platform. **The meeting will commence at 9:00 A.M.** Below are the various options available to the public to view the live meeting and/or to make public comments on certain agenda items during the public portion of the meeting.

**The public is strongly encouraged to watch the meeting on Monroe County's MCTV on Comcast Channel 76 or AT&T UVerse Channel 99.** Also, if a citizen has a **Roku** device, they can search for and add "MCTV" to their personal lineup. Monroe County's "MCTV" is also provided via the Monroe County mobile apps for **iOS** and **Android** and through our streaming web portal @ <https://monroe-fl.vod.castus.tv/vod/?live=chl&nav=live>. **Citizens can listen to audio only from their phone by dialing (646) 518-9805 or (669) 900-6833 and, when prompted, enter the Webinar ID# 982 2806 0317 followed by the # key.**

**The public can watch the Zoom webinar on the County's web portal**, as done prior to COVID-19, by visiting the County's meeting portal @ <http://monroecountyfl.igq2.com/Citizens/Default.aspx> and selecting the "Watch Live" banner. This option allows you to view the live meeting with live closed captioning on an integrated page that includes the agenda and agenda backup.

**The public can comment on a particular item(s) on the public portion of the agenda either by phoning in or using the live Zoom webinar link (see instructions for each option below).**

- a) **To comment on an item by phone:** Dial (646) 518-9805 or (669) 900-6833 and, when prompted, enter the Webinar ID# 982 2806 0317 followed by the # key, then \*9 to "Raise your hand" to be recognized by the Zoom webinar host.
- b) **To comment on an item using the live Zoom webinar link:** Open this **live Zoom webinar link** @ <http://www.monroecounty-fl.gov/BocccMeetingAugust19> (that also appears in both the published Agenda and Agenda Packet). When prompted, enter your email address and name to join the webinar. When the Mayor calls for speakers on the item(s) you wish to comment on, or when the Board is nearing your item(s) as the meeting progresses, **select the "Raised Hand" feature** that appears at the bottom of the Zoom webinar screen to be recognized by the Zoom webinar host.

The Zoom webinar host will request the item # you wish to speak on and enable your participation when the Mayor calls for public speakers on your item. **To report problems with the broadcast or participation in the Zoom webinar, please call (305) 872-8831.**

A person may submit written comments or other physical evidence on a particular agenda item for consideration at the BOCC meeting via email to Liz Yongue @ [yongue-liz@monroecounty-fl.gov](mailto:yongue-liz@monroecounty-fl.gov), County Administrator's Office, no later than 3:00 P.M. on Monday, August 17, 2020. The email must include the submitter's name, address, phone number and email address and the agenda item number the documents/comments are regarding. **For additional assistance**, please call (305) 292-4441 or email your inquiry to: [yongue-liz@monroecounty-fl.gov](mailto:yongue-liz@monroecounty-fl.gov).



**1:30 P.M. Q. PUBLIC HEARINGS**

1. **COUNTY ATTORNEY:** A Public Hearing to consider amendments to Ordinance No. 024-2020 (amended mask ordinance adopted 7/21/2020) and Ordinance No. 025-2020 (closures/alcohol ban during lobster mini season as adopted 7/27/20) in response to COVID-19 pandemic.
2. **ENGINEERING AND ROADS:** A Public Hearing to consider adoption of an Ordinance revising Section 19-4 of the Monroe County Code to increase the toll rates for Card Sound Road Toll.
3. **LOCAL DISASTER RECOVERY:** A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Sands Subdivision Road Elevation and Storm Water Drainage Improvement Project, which will elevate and improve drainage on Father Tony Way in Big Pine Key, in the amount of \$8.5 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the Federal Housing and Urban Development Agency (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.
4. **LOCAL DISASTER RECOVERY:** A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Twin Lakes Subdivision Road Elevation and Drainage Improvement Project, which will elevate and improve drainage in the Twin Lakes Subdivision, in the amount of \$7.1 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.
5. **LOCAL DISASTER RECOVERY:** A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Stillwright Point Subdivision Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within the Stillwright Point Subdivision, in the amount of \$21 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.



1:30 P.M. Q. PUBLIC HEARINGS (CONTINUED)

6. **LOCAL DISASTER RECOVERY:** A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Big Coppitt Key Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within Big Coppitt Key, in the amount of \$8.5 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the US Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.
7. **LOCAL DISASTER RECOVERY:** A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Public Works Facility Maintenance Building Relocation, which will relocate the building from the Key West International Airport to Rockland Key, in the amount of \$13.7 Million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development (HUD), after a duly noticed 10 day public comment period; after a 5 day public notice and Approval to submit grant application to DEO.

R. COMMISSIONER'S COMMENTS

S. ADD ONS

1. **BUDGET AND FINANCE:** Approval to advertise a Budget Amendment for the Law Enforcement Trust Fund, Fund 162. The budget amendment is needed to accommodate the new directive issued by the Department of Justice and the Department of Treasury to transition the Sheriff's equitable sharing accounts to the county finance offices.
2. **COUNTY ATTORNEY:** Approval of a pre-litigation settlement agreement with K2M Design, Inc. to resolve issues arising from design of the Customs Terminal Security Enhancements at Key West International Airport, through which K2M will pay \$150,000 to resolve all claims.





Q.4

### 2.3 Rebuild Florida General Infrastructure Program (GIP) Overview

The GIP program is designed to provide funding to units of general local government (UGLG), state agencies, non-profits and non-governmental organizations to implement innovative, collaborative, multi-jurisdictional and/or large-scale mitigation activities that reduce previously-identified hazard risks for local communities to better withstand emergency-related challenges. These regional investments include, but are not limited to, upgrading of water, sewer, solid waste, communications, energy, transportation, health and medical and other public infrastructure projects.

DEO has allocated \$475,000,000 in CDBG-MIT funding for the GIP program. DEO will use a subrecipient model to deliver funding for approved projects. Funding will be awarded to selected subrecipients through a request for applications (RFA) process in accordance with established application guidelines and evaluation criteria. This is not a direct grant program.

An overview of the GIP program is illustrated in **Table 2**.

Packet Pg. 3065



**Table 2: General Infrastructure Program Summary**

Rebuild Florida General Infrastructure Program	
Funding Dollars	\$475,000,000
Funding Percentage	75%
Application Type	Subrecipient
Applicant Eligibility	UGLG, state agencies and other applicants including, but not limited to, non-profits and non-governmental agencies that apply in partnership with their local UGLG or state agencies.
Geographic Eligibility	HUD and State-Designated MID areas
National Objectives Fulfilled	LMI and Urgent Need
Hazard Risks Addressed	Flooding, Severe Storms, Tropical Cyclones, Coastal Erosion, Wildfires
Lifelines Protected	Safety and Security, Food, Water and Shelter, Health and Medical, Energy, Communication, Transportation, and Hazardous Materials

- Maximum amount per applicant: \$475,000,000
- Minimum amount per applicant: \$500,000

The GIP program will be implemented in three rounds: Round I will provide an initial allocation of resources to units of local government (UGLG) and entities that apply in partnership with their UGLG. \$150 million will be available in Round I. The state anticipates that regional coalitions and local governments or local public entities will act as partners in the implementation of this program.

Round II will commence in 2021. \$175 million and any remaining unobligated funding from Round I will be made available in Round II. Round III will commence in 2022. All remaining funding, including unobligated funds, will be made available to fund projects submitted for the \$150 million allocation for Round III.

This meeting serves as a public meeting to hear public comment. The County has met the CDBG-MIT and DEO requirements for notice and documentation. As per the grant requirements, public notice of this virtual public meeting and public notice of the 10-day public comment period was published in the Citizen, as the newspaper of general circulation in Monroe County and also posted to the County's website.



Q.4

No match funding is required.

Administrative funding to manage the grant is: \$341,914.

Contact Person: Judith Clarke may be reached via email at [Clarke-Judith@monroecounty-fl.gov](mailto:Clarke-Judith@monroecounty-fl.gov). Monroe County's application for CDBG-DR Mitigation funds can be found at [monroecounty-fl.gov/irmarecovery](http://monroecounty-fl.gov/irmarecovery) website.

**PREVIOUS RELEVANT BOCC ACTION:** N/A

**CONTRACT/AGREEMENT CHANGES:**  
NA

**STAFF RECOMMENDATION:** APPROVE

**DOCUMENTATION:**

*gip-guidelines 6-12-20*  
DRAFT CDBG-MIT Twin Lake Application All 07-20-20

**FINANCIAL IMPACT:**

**Effective Date:** PENDING

**Expiration Date:**

**Total Dollar Value of Contract:** NA

**Total Cost to County:** Monroe County BOCC has previously dedicated \$320,750 to design the road elevation and drainage improvement project for Twin Lakes. The design is currently at 90% completion and will be shovel ready for construction if grant funds are received.

**Current Year Portion:** NA

**Budgeted:** No

**Source of Funds:** NA

**CPI:**

**Indirect Costs:**

**Estimated Ongoing Costs Not Included in above dollar amounts:**

**Revenue Producing:** NA      **If yes, amount:**

**Grant:** \$ 7.1 Million which includes a 5% administrative cost

**County Match:** \$ 0

**Insurance Required:** 0

**Additional Details:**

Packet Pg. 3067



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**REVIEWED BY:**

Helene Wetherington	Completed	07/27/2020 8:53 AM
Assistant County Administrator Christine Hurley	Completed	Completed
	07/28/2020 4:59 PM	
Judith Clarke	Completed	07/29/2020 2:38 PM
Rhonda Haag	Completed	07/29/2020 4:00 PM
Christine Limbert	Completed	07/31/2020 4:29 PM
Purchasing	Completed	07/31/2020 4:34 PM
Budget and Finance	Completed	08/03/2020 8:25 AM
Maria Slavik	Completed	08/03/2020 8:26 AM
Kathy Peters	Completed	08/03/2020 9:20 AM
Board of County Commissioners	Pending	08/19/2020 9:00 AM



**4. Documentation of a meeting must include sign-in sheets and minutes**



Attachment 4a: List of Participants from Virtual Meeting Log In Data

Participant	Location	Time In	Time out
12158735054	(US )	1:37 PM	01:49 PM(12158735054 left the meeting.)
12158735054	(US )	1:49 PM	01:51 PM(12158735054 left the meeting.)
12158735054	(US )	1:56 PM	02:02 PM(12158735054 left the meeting.)
13052944641	(US )	9:24 AM	09:57 AM(13052944641 left the meeting.)
13052967171	(US )	11:41 AM	11:49 AM(13052967171 left the meeting.)
13053044180	(US )	10:46 AM	10:46 AM(13053044180 left the meeting.)
13053044180	(US )	11:15 AM	11:20 AM(13053044180 left the meeting.)
13053228913	(US )	9:40 AM	10:31 AM(13053228913 left the meeting.)
13053408526	(US )	10:56 AM	11:26 AM(13053408526 left the meeting.)
13053408526	(US )	12:02 PM	12:03 PM(13053408526 left the meeting.)
13053408526	(US )	1:32 PM	02:12 PM(13053408526 left the meeting.)
13053935808	(US )	1:42 PM	02:43 PM(13053935808 left the meeting.)
13053951710	(US )	1:53 PM	01:54 PM(13053951710 left the meeting.)
13054693660	(US )	10:32 AM	10:51 AM(13054693660 left the meeting.)
13055092177	(US )	8:57 AM	08:58 AM(13055092177 left the meeting.)
13055092177	(US )	9:00 AM	12:06 PM(13055092177 left the meeting.)
13055092177	(US )	1:31 PM	01:42 PM(13055092177 left the meeting.)
13057319972	(US )	1:34 PM	02:15 PM(13057319972 left the meeting.)
19549133300	(US )	1:55 PM	02:43 PM(19549133300 left the meeting.)
Alan MacEachern	Key West (US )	8:45 AM	02:43 PM(Alan MacEachern Host closed meeting)
Alexsa Leto	Key West (US )	8:50 AM	10:29 AM(Alexsa Leto disconnect from the meeting)
Alexsa Leto	Key West (US )	10:29 AM	12:39 PM(Alexsa Leto disconnect from the meeting)
Alexsa Leto	Key West (US )	12:39 PM	02:43 PM(Alexsa Leto Host closed meeting)
Alicia Betancourt UF_IFAS	Key West (US )	9:02 AM	02:43 PM(Alicia Betancourt UF_IFAS left the meeting.)
Amanda Leggett	Key West (US )	8:44 AM	12:03 PM(Amanda Leggett left the meeting.)
Amanda Leggett	Key West (US )	1:21 PM	02:43 PM(Amanda Leggett Host closed meeting)
andrew sikora	Key Largo (US )	12:59 PM	01:00 PM(andrew sikora left the meeting.)
andrew sikora	Key Largo (US )	1:24 PM	02:38 PM(andrew sikora left the meeting.)
Annalise Mannix Candidate for County Commission	Key West (US )	8:57 AM	12:03 PM(Annalise Mannix Candidate for County Commission left the meeting.)
Annalise Mannix Candidate for County Commission	Key West (US )	1:31 PM	02:43 PM(Annalise Mannix Candidate for County Commission Host closed meeting)
AT	Miami (US )	1:45 PM	02:36 PM(AT left the meeting.)
Bob Shillinger	Key West (US )	8:39 AM	02:43 PM(Bob Shillinger Host closed meeting)
Bob Shillinger	Key West (US )	8:38 AM	08:39 AM(Bob Shillinger left the meeting.)
brandy	Marathon (US )	8:42 AM	02:43 PM(brandy left the meeting.)
brandy	Marathon (US )	8:42 AM	08:42 AM(brandy left the meeting.)
Bruce Halle	Marathon (US )	9:36 AM	09:37 AM(Bruce Halle left the meeting.)
Bruce Halle	Marathon (US )	8:51 AM	09:35 AM(Bruce Halle left the meeting.)
Bruce Halle	Marathon (US )	9:37 AM	09:37 AM(Bruce Halle left the meeting.)



Bryan Cook	Key West (US )	8:48 AM	12:03 PM(Bryan Cook left the meeting.)
Bryan Cook	Key West (US )	1:28 PM	02:43 PM(Bryan Cook Host closed meeting
Bryce	Key West (US )	9:08 AM	02:43 PM(Bryce Host closed meeting
callahan-james	Tampa (US )	8:51 AM	02:43 PM(callahan-james Host closed meeting
Campo-Abra	Key West (US )	8:52 AM	02:43 PM(Campo-Abra Host closed meeting
Carleen Flynn	(US )	10:25 AM	10:57 AM(Carleen Flynn left the meeting.)
Carol Schreck	Key West (US )	8:49 AM	12:10 PM(Carol Schreck left the meeting.)
Carol Schreck	Key West (US )	1:25 PM	02:43 PM(Carol Schreck Host closed meeting
Cary Knight	Key West (US )	8:57 AM	02:43 PM(Cary Knight Host closed meeting
Cates-Craig	Key West (US )	8:39 AM	02:43 PM(Cates-Craig Host closed meeting
Cates-Craig	Key West (US )	8:35 AM	08:39 AM(Cates-Craig left the meeting.)
Cathy Crane	Key West (US )	9:05 AM	02:43 PM(Cathy Crane Host closed meeting
Cheryl Cioffari	Key West (US )	9:09 AM	11:36 AM(Cheryl Cioffari disconnect from the meeting)
Cheryl Cioffari	Key West (US )	12:04 PM	12:05 PM(Cheryl Cioffari left the meeting.)
Cheryl Cioffari	Key West (US )	2:10 PM	02:43 PM(Cheryl Cioffari Host closed meeting
Cheryl Sullivan	Key West (US )	9:00 AM	12:03 PM(Cheryl Sullivan left the meeting.)
Cheryl Sullivan	Key West (US )	1:26 PM	02:43 PM(Cheryl Sullivan Host closed meeting
Chip Kasper	Florida (US )	9:35 AM	10:17 AM(Chip Kasper left the meeting.)
Christina Brickell	Key West (US )	9:02 AM	02:31 PM(Christina Brickell disconnect from the meeting)
clarke-judith	Key West (US )	11:19 AM	11:25 AM(clarke-judith left the meeting.)
clarke-judith	Key West (US )	2:22 PM	02:36 PM(clarke-judith left the meeting.)
clarke-judith	Key West (US )	8:45 AM	11:19 AM(clarke-judith left the meeting.)
clarke-judith	Key West (US )	11:25 AM	02:22 PM(clarke-judith left the meeting.)
clarke-judith	Key West (US )	2:36 PM	02:43 PM(clarke-judith Host closed meeting
Clerk Kevin Madok	Key West (US )	8:27 AM	02:43 PM(Clerk Kevin Madok Host closed meeting
Coldiron-Michelle	Key West (US )	8:39 AM	02:43 PM(Coldiron-Michelle Host closed meeting
Coldiron-Michelle	Key West (US )	8:36 AM	08:38 AM(Coldiron-Michelle left the meeting.)
Coldiron-Michelle	Key West (US )	8:39 AM	08:39 AM(Coldiron-Michelle left the meeting.)
cutie-lisette	Key West (US )	8:42 AM	08:48 AM(cutie-lisette left the meeting.)
Cynthia Hall	Key West (US )	9:00 AM	09:06 AM(Cynthia Hall left the meeting.)
D. A. Aldridge	Tavernier (US )	9:01 AM	12:03 PM(D. A. Aldridge left the meeting.)
D. A. Aldridge	Tavernier (US )	1:22 PM	02:43 PM(D. A. Aldridge Host closed meeting
Daryl Greenlee	Key West (US )	8:46 AM	08:49 AM(Daryl Greenlee left the meeting.)
Daryl Greenlee	Key West (US )	9:07 AM	02:43 PM(Daryl Greenlee Host closed meeting
Deputy Clerk Hancock	Key West (US )	8:32 AM	02:43 PM(Deputy Clerk Hancock Host closed meeting
Deputy Clerk Hancock	Key West (US )	8:27 AM	08:32 AM(Deputy Clerk Hancock left the meeting.)
Diane Schmidt	Key West (US )	9:17 AM	11:11 AM(Diane Schmidt left the meeting.)
diaz-christine	Key West (US )	9:13 AM	11:47 AM(diaz-christine left the meeting.)
DiNovo-Joseph	Key West (US )	8:58 AM	02:43 PM(DiNovo-Joseph Host closed meeting
Dottie	Key Largo (US )	2:13 PM	02:43 PM(Dottie Host closed meeting
eadierx	Tallahassee (US )	9:46 AM	10:17 AM(eadierx left the meeting.)
eadierx	Tallahassee (US )	9:19 AM	09:45 AM(eadierx left the meeting.)



eadiex	Tallahassee (US )	10:17 AM	10:18 AM(eadiex left the meeting.)
eadiex	Tallahassee (US )	1:38 PM	02:13 PM(eadiex left the meeting.)
Ed Koconis	Key West (US )	10:18 AM	10:23 AM(Ed Koconis left the meeting.)
Ed Koconis	Key West (US )	9:03 AM	10:18 AM(Ed Koconis left the meeting.)
Ed Koconis	Key West (US )	10:23 AM	02:43 PM(Ed Koconis Host closed meeting
Elizabeth Young	Key West (US )	8:55 AM	02:43 PM(Elizabeth Young Host closed meeting
Emergency Management	Key West (US )	10:00 AM	10:04 AM(Emergency Management left the meeting.)
Emergency Management	Ashburn (US )	10:01 AM	01:22 PM(Emergency Management left the meeting.)
Emergency Management	Key West (US )	1:26 PM	02:12 PM(Emergency Management left the meeting.)
Emilie Stewart	Key Largo (US )	12:54 PM	12:54 PM(Emilie Stewart left the meeting.)
Emilie Stewart	Key Largo (US )	1:19 PM	01:19 PM(Emilie Stewart left the meeting.)
Emilie Stewart	Key Largo (US )	1:30 PM	02:36 PM(Emilie Stewart left the meeting.)
Emily Schemper	Key West (US )	8:57 AM	12:03 PM(Emily Schemper left the meeting.)
Emily Schemper	Key West (US )	1:14 PM	02:43 PM(Emily Schemper Host closed meeting
Erin Deady	Lake Worth (US )	1:46 PM	02:37 PM(Erin Deady left the meeting.)
Gabe Price	Key West (US )	8:28 AM	02:43 PM(Gabe Price left the meeting.Reason: Host ended the meeting.)
Gabe Price	Key West (US )	8:27 AM	08:28 AM(Gabe Price left the meeting.)
Gabriela Henri	Florida (US )	9:06 AM	09:11 AM(Gabriela Henri left the meeting.)
Gabriela Henri	Florida (US )	8:34 AM	08:34 AM(Gabriela Henri left the meeting.)
Gabriela Henri	Florida (US )	8:55 AM	09:06 AM(Gabriela Henri left the meeting.)
Gabriela Henri	Florida (US )	9:11 AM	09:11 AM(Gabriela Henri left the meeting.)
Gambuzza-Dina	Key West (US )	9:17 AM	09:20 AM(Gambuzza-Dina left the meeting.)
Gambuzza-Dina	Key West (US )	8:50 AM	09:17 AM(Gambuzza-Dina left the meeting.)
Gambuzza-Dina	Key West (US )	9:20 AM	09:20 AM(Gambuzza-Dina left the meeting.)
Gambuzza-Dina	Key West (US )	12:33 PM	12:35 PM(Gambuzza-Dina left the meeting.)
Gastesi-Roman	Key West (US )	9:00 AM	02:43 PM(Gastesi-Roman Host closed meeting
Gastesi-Roman	Key West (US )	9:00 AM	09:00 AM(Gastesi-Roman left the meeting.)
George Smyth	Key Largo (US )	1:15 PM	02:43 PM(George Smyth Host closed meeting
Ginny Stones	Key West (US )	9:18 AM	09:19 AM(Ginny Stones left the meeting.)
Ginny Stones	Key West (US )	8:55 AM	09:18 AM(Ginny Stones left the meeting.)
Ginny Stones	Key West (US )	9:20 AM	09:20 AM(Ginny Stones left the meeting.)
Greg Corning	Bradenton (US )	12:11 PM	12:12 PM(Greg Corning left the meeting.)
Greg Corning	Ohio (US )	1:24 PM	01:39 PM(Greg Corning left the meeting.)
Greg Corning	Ohio (US )	1:44 PM	02:00 PM(Greg Corning left the meeting.)
griffin-rick	Key West (US )	9:45 AM	09:52 AM(griffin-rick disconnect from the meeting)
griffin-rick	Key West (US )	9:52 AM	10:03 AM(griffin-rick left the meeting.)
griffin-rick	Key West (US )	10:36 AM	10:46 AM(griffin-rick disconnect from the meeting)
griffin-rick	Key West (US )	10:46 AM	10:46 AM(griffin-rick left the meeting.)
Guerra-Cynthia	Key West (US )	9:24 AM	09:35 AM(Guerra-Cynthia left the meeting.)
Guerra-Cynthia	Key West (US )	9:05 AM	09:24 AM(Guerra-Cynthia left the meeting.)



Guerra-Cynthia	Key West (US )	9:35 AM	09:38 AM(Guerra-Cynthia left the meeting.)
Guerra-Maria	Key West (US )	11:54 AM	12:03 PM(Guerra-Maria left the meeting.)
Guerra-Maria	Key West (US )	1:29 PM	02:43 PM(Guerra-Maria Host closed meeting
Gunderson-Janet	Key West (US )	9:59 AM	02:43 PM(Gunderson-Janet Host closed meeting
Hitchins-Celia	Key West (US )	9:00 AM	10:17 AM(Hitchins-Celia left the meeting.)
Hurley-Christine	Key West (US )	9:24 AM	09:35 AM(Hurley-Christine left the meeting.)
Hurley-Christine	Key West (US )	10:18 AM	10:23 AM(Hurley-Christine left the meeting.)
Hurley-Christine	Key West (US )	8:59 AM	09:24 AM(Hurley-Christine left the meeting.)
Hurley-Christine	Key West (US )	9:35 AM	10:17 AM(Hurley-Christine left the meeting.)
Hurley-Christine	Key West (US )	10:23 AM	12:03 PM(Hurley-Christine left the meeting.)
Hurley-Christine	Key West (US )	1:30 PM	02:43 PM(Hurley-Christine Host closed meeting
Jesse Wagner	Key West (US )	1:54 PM	01:55 PM(Jesse Wagner left the meeting.) 08:32 AM(Jethon Williams II left the meeting.Reason: Removed by host.)
Jethon Williams II	Key West (US )	8:27 AM	
Jodi & Scott	Key West (US )	9:44 AM	09:48 AM(Jodi & Scott left the meeting.)
Joe	Tampa (US )	8:45 AM	09:06 AM(Joe left the meeting.)
Joe Tuttle	Key West (US ) Key Largo (US )	9:16 AM	12:12 PM(Joe Tuttle left the meeting.)
John	)	9:30 AM	10:55 AM(John left the meeting.)
Jon Rizzo	Key West (US )	9:47 AM	10:17 AM(Jon Rizzo left the meeting.)
Jon Rizzo	Key West (US )	9:24 AM	09:47 AM(Jon Rizzo left the meeting.)
Jon Rizzo	Key West (US ) Summerland	10:17 AM	10:17 AM(Jon Rizzo left the meeting.)
Karrie Porter Bond	Key (US )	11:06 AM	11:33 AM(Karrie Porter Bond left the meeting.)
Kathryn Norris	Key West (US )	9:00 AM	12:03 PM(Kathryn Norris left the meeting.)
Kathryn Norris	Key West (US )	12:50 PM	02:43 PM(Kathryn Norris Host closed meeting
Katie Atkins	Key West (US )	9:02 AM	12:03 PM(Katie Atkins left the meeting.)
Katie Atkins	Key West (US )	1:38 PM	02:43 PM(Katie Atkins Host closed meeting
Kelly A. Cummings	Key West (US )	8:58 AM	02:43 PM(Kelly A. Cummings Host closed meeting
Ken Marshall	Key West (US )	9:36 AM	09:51 AM(Ken Marshall left the meeting.)
Kevin Wilson	Key West (US )	8:44 AM	12:03 PM(Kevin Wilson left the meeting.)
Kevin Wilson	Key West (US )	1:26 PM	02:38 PM(Kevin Wilson left the meeting.)
Kevin Wilson	Key West (US )	2:38 PM	02:41 PM(Kevin Wilson disconnect from the meeting)
Kevin Wilson	(US ) Key Largo (US )	2:41 PM	02:43 PM(Kevin Wilson Host closed meeting
Key Largo Chamber	)	2:29 PM	02:43 PM(Key Largo Chamber Host closed meeting
Kimberly Matthews	Key West (US )	10:55 AM	11:05 AM(Kimberly Matthews left the meeting.)
Kimberly Matthews	Key West (US )	8:48 AM	09:30 AM(Kimberly Matthews disconnect from the meeting)
Kimberly Matthews	Key West (US )	9:30 AM	09:47 AM(Kimberly Matthews disconnect from the meeting)
Kimberly Matthews	Key West (US )	9:47 AM	10:55 AM(Kimberly Matthews left the meeting.)
Kimberly Matthews	Key West (US )	11:05 AM	02:43 PM(Kimberly Matthews Host closed meeting
Kristen Livengood	Key West (US )	9:06 AM	09:11 AM(Kristen Livengood left the meeting.)
Kristen Livengood	Key West (US )	11:10 AM	11:14 AM(Kristen Livengood left the meeting.)
Kristen Livengood	Key West (US )	8:53 AM	09:06 AM(Kristen Livengood left the meeting.)
Kristen Livengood	Key West (US )	9:11 AM	09:20 AM(Kristen Livengood left the meeting.)
Kristen Livengood	Key West (US )	9:21 AM	09:25 AM(Kristen Livengood left the meeting.)



Kristen Livengood	Key West (US )	9:28 AM	09:48 AM(Kristen Livengood disconnect from the meeting)
Kristen Livengood	Key West (US )	10:02 AM	10:48 AM(Kristen Livengood disconnect from the meeting)
Kristen Livengood	Key West (US )	10:52 AM	11:10 AM(Kristen Livengood left the meeting.)
Kristen Livengood	Key West (US )	11:14 AM	11:28 AM(Kristen Livengood left the meeting.)
Limbert-Christine	Key West (US )	9:24 AM	09:35 AM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	11:19 AM	11:25 AM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	8:52 AM	08:54 AM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	8:56 AM	09:24 AM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	9:35 AM	11:19 AM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	11:25 AM	12:04 PM(Limbert-Christine left the meeting.)
Limbert-Christine	Key West (US )	1:28 PM	02:43 PM(Limbert-Christine Host closed meeting)
Lindsey Ballard	Key West (US )	8:48 AM	02:43 PM(Lindsey Ballard Host closed meeting)
Lindsey Ballard	Key West (US )	8:48 AM	08:48 AM(Lindsey Ballard left the meeting.)
Lisa Tennyson	Key West (US )	8:58 AM	02:23 PM(Lisa Tennyson left the meeting.)
Lisa Tennyson	Key West (US )	2:34 PM	02:43 PM(Lisa Tennyson Host closed meeting)
maddox-natalie	Key West (US )	8:52 AM	09:17 AM(maddox-natalie left the meeting.)
Manuel Castillo	Key West (US )	11:32 AM	12:03 PM(Manuel Castillo left the meeting.)
Manuel Castillo	Key West (US )	9:02 AM	09:04 AM(Manuel Castillo left the meeting.)
Manuel Castillo	Key West (US )	9:20 AM	11:32 AM(Manuel Castillo left the meeting.)
Manuel Castillo	Key West (US )	12:03 PM	01:31 PM(Manuel Castillo left the meeting.)
mark 32 S Blackwater	Key Biscayne (US ) Prairieville (US )	1:30 PM	02:37 PM(mark 32 S Blackwater left the meeting.)
Marston Fowler	Prairieville (US )	9:25 AM	09:35 AM(Marston Fowler left the meeting.)
Marston Fowler	)	9:03 AM	09:25 AM(Marston Fowler left the meeting.)
Mayor Carruthers	Key West (US )	8:39 AM	12:13 PM(Mayor Carruthers left the meeting.)
Mayor Carruthers	Key West (US )	1:21 PM	02:43 PM(Mayor Carruthers Host closed meeting)
Mayor Carruthers	Key West (US )	8:39 AM	08:39 AM(Mayor Carruthers left the meeting.)
Mayor Carruthers	Key West (US )	1:15 PM	01:21 PM(Mayor Carruthers left the meeting.)
McPherson-Cynthia	Key West (US )	9:06 AM	09:11 AM(McPherson-Cynthia left the meeting.)
McPherson-Cynthia	Key West (US )	8:50 AM	09:06 AM(McPherson-Cynthia left the meeting.)
McPherson-Cynthia	Key West (US )	9:11 AM	02:43 PM(McPherson-Cynthia Host closed meeting)
MCTVKW	Key West (US )	8:28 AM	02:43 PM(MCTVKW Host closed meeting)
MCTVKW	Key West (US )	8:28 AM	08:28 AM(MCTVKW left the meeting.)
Mercado-Pedro	Key West (US )	9:04 AM	12:03 PM(Mercado-Pedro left the meeting.)
Mercado-Pedro	Key West (US )	1:53 PM	02:43 PM(Mercado-Pedro Host closed meeting)
Mike Roberts	Key West (US )	9:03 AM	10:02 AM(Mike Roberts left the meeting.)
Morris-Peter	Key West (US )	9:10 AM	09:17 AM(Morris-Peter left the meeting.)
murphy-sylvia	Key West (US )	8:32 AM	02:43 PM(murphy-sylvia Host closed meeting)
murphy-sylvia	Key West (US )	8:32 AM	08:32 AM(murphy-sylvia left the meeting.)
Participant	Location	Join Time	Leave Time
pattison-charles	Key West (US )	9:18 AM	09:20 AM(pattison-charles left the meeting.)
pattison-charles	Key West (US )	8:50 AM	09:18 AM(pattison-charles left the meeting.)
pattison-charles	Key West (US )	9:20 AM	01:23 PM(pattison-charles left the meeting.)



Perez-JoseA	Key West (US )	9:04 AM	02:43 PM(Perez-JoseA Host closed meeting
Peters-Katherine	Key West (US )	8:47 AM	02:43 PM(Peters-Katherine Host closed meeting
Rhonda Haag	Key West (US )	2:30 PM	02:36 PM(Rhonda Haag left the meeting.)
Rhonda Haag	Key West (US )	9:03 AM	02:30 PM(Rhonda Haag left the meeting.)
Rhonda Haag	Key West (US )	2:36 PM	02:43 PM(Rhonda Haag Host closed meeting
rice-david	Marathon (US )	8:43 AM	08:43 AM(rice-david left the meeting.)
rice-david	Marathon (US )	8:43 AM	08:47 AM(rice-david left the meeting.)
rice-david	Marathon (US )	8:43 AM	08:43 AM(rice-david left the meeting.)
rice-david	Marathon (US )	8:47 AM	08:50 AM(rice-david left the meeting.)
Rodriguez-Monica	Key West (US )	8:57 AM	02:43 PM(Rodriguez-Monica Host closed meeting
Rosch-Mark	Key West (US )	9:18 AM	09:19 AM(Rosch-Mark left the meeting.)
Rosch-Mark	Key West (US )	8:51 AM	09:17 AM(Rosch-Mark left the meeting.)
Rosch-Mark	Key West (US )	9:19 AM	02:43 PM(Rosch-Mark Host closed meeting
Scull-Paunece	Key West (US )	8:27 AM	12:10 PM(Scull-Paunece left the meeting.)
Scull-Paunece	Key West (US )	1:29 PM	02:21 PM(Scull-Paunece left the meeting.)
Sheryl Graham	Key West (US )	12:03 PM	12:04 PM(Sheryl Graham left the meeting.)
Sheryl Graham	Key West (US )	1:15 PM	02:43 PM(Sheryl Graham Host closed meeting
Shryl Graham	Key West (US )	11:32 AM	12:03 PM(Shryl Graham left the meeting.)
Shryl Graham	Key West (US )	9:04 AM	11:32 AM(Shryl Graham left the meeting.)
Slavik-Maria	Key West (US )	9:31 AM	12:35 PM(Slavik-Maria disconnect from the meeting)
Slavik-Maria	Key West (US )	12:35 PM	02:43 PM(Slavik-Maria Host closed meeting
srusso	Key Largo (US )	8:57 AM	12:04 PM(srusso left the meeting.)
srusso	Key Largo (US )	1:26 PM	02:43 PM(srusso Host closed meeting
Stacey Mitchell	Key West (US )	9:39 AM	09:45 AM(Stacey Mitchell left the meeting.)
Stacey Mitchell	Key West (US )	9:11 AM	09:18 AM(Stacey Mitchell left the meeting.)
Stacey Mitchell	Key West (US )	9:19 AM	09:39 AM(Stacey Mitchell left the meeting.)
Stacey Mitchell	Key West (US )	9:45 AM	11:26 AM(Stacey Mitchell disconnect from the meeting)
Stacey Mitchell	Key West (US )	1:35 PM	02:13 PM(Stacey Mitchell left the meeting.)
Stephen G.	Mt. Pleasant (US )	11:50 AM	02:03 PM(Stephen G. left the meeting.)
Strickland-Richard	Key West (US )	1:37 PM	01:43 PM(Strickland-Richard left the meeting.)
Strickland-Richard	Key West (US )	8:57 AM	12:03 PM(Strickland-Richard left the meeting.)
Strickland-Richard	Key West (US )	1:31 PM	01:37 PM(Strickland-Richard left the meeting.)
Strickland-Richard	Key West (US )	1:43 PM	02:43 PM(Strickland-Richard Host closed meeting
terry gross	(US )	1:47 PM	01:49 PM(terry gross left the meeting.)
terry gross	(US )	1:50 PM	02:43 PM(terry gross Host closed meeting
Tiffany Duong	Sacramento (US )	9:00 AM	02:43 PM(Tiffany Duong Host closed meeting
Tina Boan	Key West (US )	9:21 AM	09:24 AM(Tina Boan left the meeting.)
Tina Boan	Key West (US )	8:36 AM	08:43 AM(Tina Boan disconnect from the meeting)
Tina Boan	Key West (US )	8:43 AM	08:48 AM(Tina Boan disconnect from the meeting)
Tina Boan	Key West (US )	8:56 AM	09:12 AM(Tina Boan disconnect from the meeting)
Tina Boan	Key West (US )	9:12 AM	09:21 AM(Tina Boan left the meeting.)
Tina Boan	Key West (US )	9:24 AM	02:43 PM(Tina Boan Host closed meeting



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weiner-shannon	Key West (US )	9:47 AM	09:55 AM(weiner-shannon left the meeting.)
weiner-shannon	Key West (US )	9:55 AM	10:17 AM(weiner-shannon left the meeting.)
Weiner-Shannon	Key West (US )	8:27 AM	08:31 AM(Weiner-Shannon left the meeting.)
weiner-shannon	Key West (US )	8:27 AM	09:47 AM(weiner-shannon left the meeting.)
weiner-shannon	Key West (US )	9:55 AM	09:55 AM(weiner-shannon left the meeting.)
weiner-shannon	Key West (US )	10:17 AM	02:43 PM(weiner-shannon Host closed meeting
Wetherington-Helene	Key West (US )	2:11 PM	02:36 PM(Wetherington-Helene left the meeting.)
Wetherington-Helene	Cleveland (US )	8:54 AM	10:25 AM(Wetherington-Helene left the meeting.)
Wetherington-Helene	Key West (US )	10:26 AM	12:03 PM(Wetherington-Helene left the meeting.)
Wetherington-Helene	Key West (US )	1:15 PM	01:18 PM(Wetherington-Helene left the meeting.)
Wetherington-Helene	Key West (US )	1:21 PM	02:10 PM(Wetherington-Helene left the meeting.)
wetherington-helene@monroecounty-fl.gov	Key West (US )	2:42 PM	02:43 PM(wetherington-helene@monroecounty-fl.gov Host closed meeting
william lay	Fort Lauderdale (US )	8:40 AM	01:16 PM(william lay left the meeting.)
william lay	Fort Lauderdale (US )	1:17 PM	02:26 PM(william lay left the meeting.)
Williams-Steve	Key West (US )	8:55 AM	12:03 PM(Williams-Steve left the meeting.)
Williams-Steve	Key West (US )	1:23 PM	02:43 PM(Williams-Steve Host closed meeting
Yzenas-Michelle	Key West (US )	9:57 AM	02:43 PM(Yzenas-Michelle left the meeting.)
Yzenas-Michelle	Key West (US )	10:27 AM	10:30 AM(Yzenas-Michelle left the meeting.)



## Attachment 4b: Meeting Minutes

INSERT MEETING MINUTES FROM <https://minutes.monroe-clerk.com/WebLink/Browse.aspx?id=268583&dbid=0&repo=Monroe-County-Clerk-of-the-Court>

### MINUTES OF THE MONROE COUNTY BOARD OF COUNTY COMMISSIONERS

Regular Meeting  
Board of County Commissioners  
Wednesday, August 19, 2020  
Via Communication Media Technology

A regular meeting of the Monroe County Board of County Commissioners convened at 9:00 a.m. via Communication Media Technology. Present and answering to roll call were Commissioner Craig Cates, Commissioner Michelle Coldiron, Commissioner Sylvia Murphy, Commissioner David Rice, and Mayor Heather Carruthers. Also present at the meeting were Roman Gastesi, County Administrator; Bob Shillinger, County Attorney; Kevin Madok, Clerk of Court; Pamela Hancock, Deputy Clerk; county staff, members of the press and radio; and the general public.

Items Q3, Q4, Q5, Q6, Q7 on pages 16 and 17.



Helene Wetherington, Director of Disaster Recovery, gave a Power Point Presentation regarding the following five items (Q3 to Q7):

Q3 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Sands Subdivision Road Elevation and Storm Water Drainage Improvement Project, which will elevate and improve drainage on Father Tony Way in Big Pine Key, in the amount of \$8.5 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the Federal Housing and Urban Development Agency, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q4 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Twin Lakes Subdivision Road Elevation and Drainage Improvement Project, which will elevate and improve drainage in the Twin Lakes Subdivision, in the amount of \$7.1 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q5 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Stillwright Point Subdivision Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within the Stillwright Point Subdivision, in the amount of \$21 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic



Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q6 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Big Coppitt Key Road Elevation and Stormwater Drainage Improvement Project, which will elevate and improve drainage within Big Coppitt Key, in the amount of \$8.5 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the US Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Q7 A Public Hearing/Meeting for citizens and municipalities to provide input on an application for grant funds for the Public Works Facility Maintenance Building Relocation, which will relocate the building from the Key West International Airport to Rockland Key, in the amount of \$13.7 million utilizing Community Development Block Grant - Mitigation, General Infrastructure Program funding from the Florida Department of Economic Opportunity (DEO) funded through the U.S. Department of Housing and Urban Development, after a duly noticed 10 day public comment period; after a 5 day public notice and approval to submit grant application to DEO.

Ms. Clarke and Rhonda Haag, Chief Resilience Officer, addressed the Board. The following individuals addressed the Board: Dotti Moses, Andrew Sikora, George Smyth, Emilie Stewart, Stephanie Russo and Mark Stearn. After discussion, motion was made by Commissioner Rice and seconded by Commissioner Coldiron granting approval of Items Q3 through Q7. Motion carried unanimously.



## **Attachment 4c: Public Comments Received at the Public Hearing on 8/19/2020**

### **Dotty Mosses, Key Largo**

Question: Will the grant have to be awarded in the full amount or could the state fund only a portion?

Answer: There is no local match requirement. If funded, the state would fund the project at the full amount.

Question: How will the County fund long-term maintenance? Would the gas tax be used to maintain the road.

Answer: Through general revenue as directed by the BOCC. The operations cost of a pump station is the largest cost and will vary over time. Toward the end of the life span of the equipment and rising seas, the costs for maintenance will go up. The current estimates for the pump station begin at \$17,000 / year. Over time the costs will increase up to \$ 200,000 per year as the pumps must run more frequently. The BOCC may also seek alternate revenue sources to fund sea level rise initiatives in the long-term.

Question: Where will the new Public Works facility be located?

Answer: On Rockland Key.

### **Andy Secora, Stillwright Point**

He thanked the county for applying for the grant and requests approval to submit the application. Stillwright Point is an average income community and not a rich community. Flooding is a very big problem for the 200 people that live in the Stillwright Point neighborhood. It floods very severely, and it didn't flood as severely in the past. One of the reasons is the king tide and sea level rise.

### **George Smyth**

He thanked the County in applying for the grant and encouraged board to approve application submission. He also urged the Board to continue to keep the neighborhoods updated.

### **Emilie Stewart**



She thanked the Board for moving forward with the grant application. Last year the flooding started on September 1, and the community hopes it won't be as bad this year.

**Stephanie Russo**

She supports the grant application and thanked the Board for their efforts.

Question: Are there other funding sources for sea level rise projects?

Answer: Yes, the county is looking into BRIC funding from FEMA. The Commission has also received notice that the State legislature may be released some grant funds through the WISE grant for Transportation and Infrastructure projects. They are looking for shovel ready projects. Contact the congress man to find out more.

**Mark Stern, Stillwright Point**

Thanked the Board for moving forward in applying for grant funds for mitigation projects. He reiterated that these are very important projects for the neighborhood. He chose to retire in this neighborhood many years ago and it did not flood. The community is surrounded by mangroves and, therefore, they can't mitigate the flooding. He want to enjoy the keys in retirement. He appreciates the county's support.



Attachment 4d: Powerpoint Presentation of the Public Hearing 8-19-2020

CDBG-MIT BOCC Public Hearing 08-19-2020

9/9/2020

COMMUNITY DEVELOPMENT BLOCK GRANT – MIT  
HURRICANE IRMA FUNDING

**INFRASTRUCTURE MITIGATION PROGRAM**  
\$633,485,000 STATEWIDE

AUGUST 19, 2020

**CDBG-MIT Funding Released for General Infrastructure Program (GIP)**

DEO dedicated \$475 Million to GIP

Year	Funding Amount
2020	\$150 Million
2021	\$325 Million
2022	\$150 Million

**Grant Criteria**

- Benefit Low to Moderate Income Families
- Innovative, collaborative, multi-jurisdictional and/or large-scale mitigation activities
- Reduction of risk to community Lifelines
- Minimum \$500,000 with a Maximum of \$475 Million

**Purpose**

- In order to build more resilient neighborhoods countywide which are in the highest risk for sea level rise, staff requests approval to submit a CDBG-MIT grant application for the following projects:
  - Q.3. Sands Subdivision Road Elevation and Drainage Improvement: \$ 8.5 Million
  - Q.4. Twin Lakes Road Elevation and Drainage Improvement: \$ 7.1 Million
  - Q.5. Stillwright Point Road Elevation and Drainage Improvement: \$ 21 Million
  - Q.6. Big Coppitt Road Elevation and Drainage Improvement: \$ 8.5 Million
  - Q.7. Public Works Facility Maintenance Relocation to Rockland Key: \$ 137 Million
- Note: this project order does not represent a ranking. Each project will be evaluated against the State required criteria.
- Total Funding Request: \$28.8 Million (Total Available Funding Statewide Round 1: \$150 Million)

**Sands Subdivision Road Elevation and Drainage Improvement (Agenda Item Q3)**

- Purpose:** Reduce Flooding and Maintain Access to Neighborhood
- Project:** Elevate Father Tony Way and Install Drainage Improvement Structures
- Cost:** \$8.5 Million
- Contact:** *Judith Clarke, Senior Director*, [Clarke-Judith@monroecounty-fl.gov](mailto:Clarke-Judith@monroecounty-fl.gov)

**Twin Lakes Road Elevation and Drainage Improvement (Agenda Item Q4)**

- Purpose:** Reduce Flooding and Maintain Access to Neighborhood
- Project:** Elevate Roadway and Install Drainage Improvement Structures
- Cost:** \$7.1 Million
- Contact:** *Judith Clarke, Senior Director*, [Clarke-Judith@monroecounty-fl.gov](mailto:Clarke-Judith@monroecounty-fl.gov)



CDBG-MIT BOCC Public Hearing 08-19-2020

9/9/2020

### Stillwright Point Road Elevation and Drainage Improvement (Agenda Item Q5)

- Purpose: Reduce Flooding and Maintain Access to Neighborhood
- Project: Elevate Roadway and Install Drainage Improvement Structures
- Cost: \$21 Million
- Contact: *Judith Clarke, Senior Director, [Clarke-Judith@monroecounty-fl.gov](mailto:Clarke-Judith@monroecounty-fl.gov)*



### Big Coppitt Stormwater Drainage Improvement (Agenda Item Q6)

- Purpose: Reduce Flooding and Maintain Access to the Johnsonville Subdivision Neighborhood
- Project: Elevate Roadway and Install Drainage Improvement Structures
- Cost: \$8.5 Million
- Contact: *Judith Clarke, Senior Director, [Clarke-Judith@monroecounty-fl.gov](mailto:Clarke-Judith@monroecounty-fl.gov)*



### Public Works Maintenance Facility Relocation (Agenda Item Q7)

- Purpose: Relocate the facility from the Key West International Airport to a lower risk site on Stock Island
- Project: Demolish Facilities Maintenance Facility and Construct New Facility
- Cost: \$13.7 Million
- Contact: *Kevin Wilson, [Wilson-Kevin@Monroecounty-fl.gov](mailto:Wilson-Kevin@Monroecounty-fl.gov)*



### Public Participation

- A Public Notice was released as follows:
  - Citizen: Sat., 08/08/2020
  - Keys Weekly: Thur., 08/13/2020
  - News Barometer: Fri., 08/14/2020
- Public Hearing on August 19, 2020
- Applications are posted at the following website: <http://www.monroecounty-fl.gov/1200/CDBG-Mitigation-Programs>
  - At least a 10 Day Public Comment Period

### Contact Information

CDBG-MIT Contact:  
 Helene Wetherington, Disaster Recovery Director  
[Wetherington-Helene@MonroeCounty-fl.gov](mailto:Wetherington-Helene@MonroeCounty-fl.gov)

OBJECTID	GEOID	Source	geoname	Stusab	CountynanState	County	Tract	Blckgrp	Low	Lowmod	Lmmi	Lowmodur	Lowmod_r	ucLowmod	ucLowmod	MOE_Low	MOE_ucLo	Shape__Ar	Shape__Lex	y
47295	1.21E+11	2015ACS	Block Grou	FL	Monroe Cc	12	87	970300	2	485	840	1085	1500	56	0	+/-20.40	0.000947	0.146557		
47296	1.21E+11	2015ACS	Block Grou	FL	Monroe Cc	12	87	970400	1	420	455	590	700	65	0	+/-36.86	0.0006	0.136261		
47297	1.21E+11	2015ACS	Block Grou	FL	Monroe Cc	12	87	970400	2	770	1150	1470	1730	66.47	0	+/-19.31	0.000237	0.085974		
47298	1.21E+11	2015ACS	Block Grou	FL	Monroe Cc	12	87	970400	3	255	450	475	850	52.94	0	+/-40.71	7.99E-05	0.042032		
47299	1.21E+11	2015ACS	Block Grou	FL	Monroe Cc	12	87	970400	4	290	395	480	705	56.03	0	+/-28.09	0.001243	0.171325		