



**CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING**

#23-0367

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Greg Chavarria, City Manager

DATE: June 20, 2023

TITLE: Motion Approving an Interlocal Agreement with Broward County to
Construct a Redundant Effluent Force Main - **(Commission District 4)**

Recommendation

Staff recommends the City Commission approve an Interlocal Agreement (ILA) with Broward County for the construction of a 60-inch redundant effluent force main from the George T. Lohmeyer Wastewater Treatment Plant (GTL) to the existing deep injection wells.

Background

The City entered Consent Order Number 16-1487 with the Florida Department of Environmental Protection (FDEP) Office of the General Counsel (OGC) on September 29, 2017. The Consent Order was amended on October 12, 2020. Paragraph 6(e) of the Amended Consent Order identified the "Treatment Plant to Injection Wells Effluent Force Main" as a project to be completed no later than September 30, 2026. In order to execute this project, the City must also enter into an Interlocal Agreement (ILA) with the County to construct the majority of the new force main within County and Port Everglades rights of way.

Under the conditions of the ILA, the City of Fort Lauderdale will construct roadway improvements on Eisenhower Boulevard as part of the City's Effluent Pipe 54-inch Force Main Replacement project. The County has made this a requirement of the ILA since the City's project will be impacting the County's planned roadway improvements. The County will be reimbursing the City for the portion of Eisenhower Boulevard construction that would've been constructed by the County's contractor, had the City's project not been in conflict.

The existing 54-inch effluent force main conveys treated effluent from GTL to the effluent deep injection wells located on SE 21st Street. The existing 54-inch force main is the sole method of effluent disposal for GTL.

In addition to constructing a portion of the County's Eisenhower Boulevard improvements project, this project is to install a new 60-inch effluent force main which will provide

redundancy to the wastewater discharge system. The route of the new 60-inch force main will parallel the existing 54-inch force main which exits GTL to the east on SE 18th Street, runs south on Eisenhower Boulevard to SE 20th Street, turns west on SE 20th Street to SE 14th Avenue, and then south on SE 14th Avenue to City property, with the pipe ending at the deep injection wells. The existing 54-inch force main will remain in place and be rehabilitated at a future date.

Eisenhower Boulevard is within Broward County Right of Way (ROW) and SE 20th Street is within Port Everglades boundaries. Broward County is requiring all work to be completed on Eisenhower Boulevard no later than May 16, 2025, so as not to adversely affect the Convention Center and hotel opening. The remaining portion of the project within County and Port Everglades right-of-way is to be completed no later than June 5, 2026, while the overall project must be complete by September 30, 2026.

Resource Impact

There is a positive fiscal impact associated with this action in an amount up to \$603,988. There is no City local match required. Funding is contingent upon the approval of the July 5, 2023, consolidated budget amendment, CAM 23-0341.

<i>Funds available as of June 5, 2023</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	CHARACTER CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Character)	AVAILABLE BALANCE (Character)	AMOUNT
10-129-9300-536-60-6599- 23P12387	Effluent Main Rehabilitation	Capital Outlay/ Construction	\$0	\$0	\$603,988
TOTAL AMOUNT ►					\$603,988

Strategic Connections

This item is a *2023 Top Commission Priority*, advancing the Infrastructure and Resilience initiative.

This item supports the *Press Play Fort Lauderdale 2024 Strategic Plan*, specifically advancing:

- The Infrastructure Focus Area
- Goal 1: Build a sustainable and resilient community.
- Objective: Proactively maintain our water, wastewater, stormwater, road, and bridge infrastructure

This item advances the *Fast Forward Fort Lauderdale 2035 Vision Plan: We Are Ready*

This item supports the *Advance Fort Lauderdale 2040 Comprehensive Plan* specifically advancing:

- The Infrastructure Focus Area
- The Sanitary Sewer, Water & Stormwater Element
- Goal 3: Develop and maintain an adequate water supply, treatment, and

distribution system, which meets the existing and projected needs of the service area in an efficient, economical, and environmentally sensitive manner.

Attachment

Exhibit 1 – Broward County Interlocal Agreement

Prepared by: Scott Teschky, Division Manager - Engineering

Department Director: Alan Dodd, Public Works

**INTERLOCAL AGREEMENT BETWEEN BROWARD COUNTY AND CITY OF FORT LAUDERDALE
REGARDING PROPOSED EFFLUENT FORCE MAIN PROJECT**

This Agreement ("Agreement") is entered into by and between Broward County, a political subdivision of the State of Florida ("County"), and the City of Fort Lauderdale, a Florida municipal corporation ("City") (each individually referred to as a "Party" and collectively referred to as the "Parties").

RECITALS:

A. City desires to construct a 60-inch, redundant effluent force main from the George T. Lohmeyer Wastewater Treatment Plant to its existing injection well fields and the proposed alignment would run along Eisenhower Boulevard, SE 20th Street, and SE 14th Avenue (the "Project"), all within County road right-of-way and/or Port Everglades property.

B. County has reviewed the City's preliminary Project plans, attached hereto as Exhibit A, and determined that the Project can be constructed under the terms and conditions set forth in this Agreement.

C. The construction permit to City, pursuant to Section 8.19 and its subsections, shall meet all requirements under applicable law and shall further include the terms and conditions set forth in this Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

ARTICLE 1. DEFINITIONS

1.1 **City Project Representative** means the individual designated in writing by the City Manager to serve as City's representative to work jointly with County.

1.2 **Contract Administrator** means the Director of Public Works, the Assistant Director of Public Works, or such other person designated by the Director of Public Works in writing. The Contract Administrator is the representative of County concerning the Project.

ARTICLE 2. MINIMIZING IMPACT ON COUNTY CONSTRUCTION PROJECTS

2.1 The construction of the Project will impact ongoing and future County construction projects. The County construction projects impacted are as follows: the Broward County Convention Center Expansion ("CCE") is currently under construction and is expected to be completed in the fourth quarter 2025; the Broward County Convention Center Hotel ("Hotel") is currently under construction and is expected to be completed in the fourth quarter of 2025; County's Eisenhower Boulevard Capacity Improvement Project ("Eisenhower Improvement") is expected to start and be completed in 2023; County's construction of a new two (2) lane road along Spangler Boulevard and Eisenhower Boulevard within Port Everglades ("Bypass Road") is expected to start in early 2024; County's multi-story parking garage/marshalling yard south of SE

20th Street between Eisenhower Boulevard and SE 14th Avenue ("Garage") is expected to start construction in mid-2025; and a County rail project described in Section 2.5 will be constructed to the Convention Center in the future. City shall perform the Project and cause its consultants and contractors to perform the Project, in a manner that will not impact or cause delay to the expected completion of the County projects identified in this Agreement.

2.2 The Project will impact the Eisenhower Improvement. County had planned to start and complete construction of the Eisenhower Improvement in 2023. However, a portion of the Project is located along Eisenhower Boulevard. County agrees to delay the start of the Eisenhower Improvement on the following terms and conditions:

- a. City shall cause the construction of the Eisenhower Boulevard portion of the Project as the first phase of construction so as not to impact completion of the CCE and the completion and opening of the Hotel. Within sixty (60) days from City's execution of a design-build contract for the Project, City shall provide County with a copy of the Project design and construction schedule demonstrating no impact to the CCE completion and Hotel opening.
- b. The Project's subsurface work would have an impact, i.e., tear-up, County's surface improvements of the Eisenhower Improvement. As such, except as set forth in Section 2.2 d, City shall include the Eisenhower Improvement in its construction of the Project. County's design documents for the Eisenhower Improvement are attached hereto as Exhibit B. If County were to perform the Eisenhower Improvement without regard to the Project, County's cost of performing the Eisenhower Improvement would be a lump sum of Six Hundred Three Thousand Nine Hundred Eighty-Eight Dollars (\$603,988). Consistent with the below-stated terms, County shall pay that lump sum to City for the Eisenhower Improvement, and in no event shall County be required to pay more than that lump sum. Monthly progress payments to the City shall be made in accordance with County's Prompt Payment Ordinance after County's receipt of a proper invoice from City during the construction phase based upon percentage of work completed for each item in the breakdown of costs as shown in Exhibit C.
- c. City shall be responsible for the costs of any design changes and construction costs to the Eisenhower Improvement resulting from including the Eisenhower Improvement in the construction of the Project.
- d. The intersection of SE 17th Street and Eisenhower Boulevard portion of the Eisenhower Improvement to the south side of SE 18th Street, as shown in Exhibit B, shall be constructed by the County and is not included in the Project. The City shall mill and resurface the area shown in Exhibit B as part of City's overall milling and resurfacing of the Project area after completion of the construction of the area shown in Exhibit B by County, to provide for a uniform surface.

- e. City acknowledges that there are multiple underground utilities on Eisenhower Boulevard including, but not limited to, water, wastewater, storm drains, electrical, fiber optic cables, petroleum lines, and street lighting that will likely conflict with the Project. City shall be responsible for causing the design and relocation of these utilities as necessary, at City's expense, to construct the Project.
- f. The existing FPL power poles located on the east side of Eisenhower Boulevard must be removed by FPL prior to the City starting work.
- g. City shall cause the completion of the portion of the Project along Eisenhower Boulevard and the Eisenhower Improvement, including all punch list items, by May 16, 2025. Liquidated damages as set forth in Exhibit D shall begin accruing if construction is not completed by May 16, 2025, and City shall pay said liquidated damages within forty-five (45) days' from County's written notice, unless the failure to achieve final completion by that date is due solely to fraud, bad faith, or active interference by County.

2.3 City shall require its consultants and contractors to complete the SE 20th Street and SE 14th Avenue portions of the Project, including, but not limited to, all punch list items, by June 5, 2026. Liquidated damages as set forth in Exhibit D shall begin accruing if construction is not completed by June 5, 2026, and City shall pay said liquidated damages within forty-five (45) days' from County's written notice, unless the failure to achieve final completion by that date is due solely to fraud, bad faith, or active interference by County.

2.4 The Project will impact County's Bypass Road. The Bypass Road must be substantially completed prior to a permanent certificate of occupancy being issued for the Hotel. County is currently designing the Bypass Road. Construction is scheduled to begin in early 2024 and be completed in December 2025. The Bypass Road will merge with Eisenhower Boulevard in the vicinity of SE 20th Street. It is anticipated that the Bypass Road and the Project will have some overlaps in the vicinity of SE 20th Street. To minimize the overlaps and to facilitate coordination, City will cause the jack-and-bore of the effluent force main under Eisenhower Boulevard at SE 20th Street and restoration of the area as an early phase of the Project along Eisenhower Boulevard. City will coordinate its Project design with County to minimize any overlaps and conflicts. Specific milestones or conditions to address any overlaps will be established by the Contract Administrator and City's Project Representative and included in the respective construction documents. County shall not be liable to City for any delay to the Project caused in whole or in part by County's construction of the Bypass Road.

2.5 County's proposed rail system from the Fort Lauderdale-Hollywood International Airport to the Convention Center is currently in the planning phase. City shall cause the planning-level locations of the rail system footings provided by County to be incorporated into City's design of the Project. If the future design and construction of the rail system is impacted by the location of the effluent force main, at County's sole election given to City in writing, City shall be responsible for all additional costs to County for the design and construction of the rail system to accommodate the location of the effluent force main, or City shall be responsible for removing

and re-locating the effluent force main and all additional design and construction costs associated with such removal and re-location, and County shall not have any responsibility for such additional costs.

2.6 County is planning to construct the Garage between Eisenhower Boulevard and SE 14th Avenue. The proposed alignment for the Project, as shown in Exhibit A, runs under the north and west boundaries of the Garage site. At the current planning level, the northern limit of the Garage, ramps, and associated facilities may be located within approximately ten (10) feet from the effluent force main. City shall cause its design consultant and contractor to take the planned Garage and its location into account in City's design and construction of the Project to ensure that the effluent force main will be properly protected from the adjacent Garage construction. It is expected that construction of the Project by City and County's construction of the Garage may occur at the same time.

2.7 County operations at Port Everglades and the Convention Center must continue uninterrupted during the construction of the Project. City shall perform the Project and cause its consultants and contractors to perform the Project, in a manner that will not interrupt these County operations.

ARTICLE 3. TERM AND TIME OF PERFORMANCE

3.1 The term of this Agreement shall commence upon the date this Agreement is executed by the last of the Parties to execute (the "Effective Date") and shall terminate upon completion of the Project, unless sooner terminated. Any financial obligations of any Party accruing prior to the date of termination of this Agreement shall survive the termination of this Agreement for a period of three (3) years from the date of termination.

3.2 Time shall be deemed to be of the essence in performing the duties, obligations, and responsibilities required by this Agreement.

3.3 The Contract Time and the times set forth in Sections 2.2 g and 2.3 will be extended in an amount equal to time lost due to delays to the Project schedule critical path beyond the control of the City's design consultants, contractors, or contractor's subcontractors due to a suspension of the Project work caused by the issuance of a tropical storm or hurricane warning by the National Weather Service. Any delay shall not extend beyond the time covered by the warning or a County issued declaration of emergency, whichever is later, plus a reasonable time for securing the site and re-mobilization. City shall take all reasonable precautions necessary to secure the Project site and work in response to all threatened storm events.

ARTICLE 4. MAINTENANCE OF TRAFFIC AND FACILITY OPERATION

4.1 Maintenance of proper traffic flow, stormwater runoff, and existing underground utilities, including, but not limited to, water, wastewater, storm drains, electrical, fiber optic cables, petroleum lines, and street lighting during the construction of the Project, are critical to the

operation of Port Everglades and the Convention Center. Maintenance of traffic shall follow the governing roadway standards. The following conditions shall be considered part of the conditions of the construction permit set forth in Exhibit E and City shall include the following conditions into its design and construction of the Project:

- a. On Eisenhower Boulevard between SE 17th Street and SE 20th Street, City shall cause the following vehicle travel lanes to be maintained between the hours of 6 am to 6 pm: 2 southbound lanes; 2 northbound lanes; and one center lane configured for southbound left turns into the Convention Center, Convention Center loading areas, Cruise Terminal 2, and Heron Garage and northbound left turn onto SE 17th Street. The outside lane in each direction shall have a minimum width of 11 feet to accommodate buses. To accommodate events scheduled at the Convention Center and cruise terminals, the aforementioned vehicle travel lanes may be required by the Contract Administrator to be maintained by City between the hours of 6 pm and 6 am the next day, or may be reduced with the prior written approval of the Contract Administrator. To the extent possible, County will provide City with the upcoming schedule of cruise terminal use and events at the Convention Center to facilitate City's planning.
- b. City shall not restrict access, nor permit the restriction of access, to the Convention Center hotel staging area, Convention Center loading areas, Convention Center, Cruise Terminal 2, and Heron Garage on Eisenhower Boulevard and SE 20th Street except with the prior, written approval from Contract Administrator.
- c. County's existing dynamic message sign located along Eisenhower Boulevard must remain operational during City's construction of the Project.
- d. The intersection of Eisenhower Boulevard and SE 20th Street (including both ingress and egress to the Convention Center) shall be fully opened to vehicular traffic from 6 am to 6 pm. City shall provide for emergency fire truck access to SE 20th Street from Eisenhower Boulevard through the existing gate or temporary gate twenty-four (24) hours each day throughout the construction of the Project.
- e. City shall ensure that access to the petroleum and asphalt terminals on SE 20th Street is not disrupted during Project construction along SE 20th Street west of Eisenhower Boulevard. City shall provide the necessary means to allow two-way traffic along SE 20th Street and the service road immediately east of the Port Everglades Public Works facility.
- f. If temporary plating is required to maintain traffic, City shall ensure structural supports are designed for the types of vehicles that use Port Everglades roads, including fully laden 53-foot tractor trailers (5 axles) of 80,000-pound gross weight and 34,000-pound axle loads.
- g. There are multiple utilities located along Eisenhower Boulevard and SE 20th Street, including water, wastewater, storm drains, electrical power, fiber optic cables,

petroleum lines, street lighting, etc. that must always remain operational. Any temporary shutdown must be coordinated with the utility owners and receive prior written approval from Contract Administrator. City shall maintain an operable storm water drainage system along Eisenhower Boulevard throughout the duration of the Project.

- h. Positive appearance of Eisenhower Boulevard and the vicinity is critical to maintaining existing and selling new events at the Convention Center. City shall develop and enforce a work plan to maintain a clean, orderly, and well-lit work zone with appropriate dust suppression and street sweeping. Construction activities involving excessive noise (eg, pile driving) shall be scheduled to not occur during cruise terminal use and Convention Center events.
- i. City shall cause the location of construction staging areas and parking to be away from Eisenhower Boulevard and County property.
- j. City shall provide traffic control and traffic light operations at all times during cruise terminal use and during Convention Center events to ensure safe and consistent traffic flow.

4.2 Petroleum contamination has been documented within the Project area. City, at its sole expense, shall ensure that its work plans for the Project adequately address handling and disposal of contaminated soil and water in compliance with all regulatory standards at no expense to County.

ARTICLE 5. LIABILITY, INSURANCE, AND BONDS

5.1 County and City are public entities subject to Section 768.28, Florida Statutes. Each party shall be individually and separately liable and responsible for the actions of its officers, agents, and employees in the performance of their respective obligations under this Agreement.

5.2 County and City shall each individually defend any action or proceeding brought against their respective agency pursuant to this Agreement, and shall be individually responsible for all of their respective costs, attorneys' fees, expenses, and liabilities incurred as a result of any such claims, demands, suits, actions, damages, and causes of action, including the investigation or the defense thereof, and from and against any orders, judgments, or decrees that may be entered as a result thereof, including appellate proceedings.

5.3 County and City agree that, solely as between themselves, no indemnification or hold harmless agreement shall apply or otherwise be in effect concerning any claims, demands, damages, and causes of action that may be brought against either Party relating to this Agreement.

5.4 Upon request, City shall furnish County with written verification of liability protection in accordance with Florida law. In the event City elects to purchase excess liability coverage, the

County shall be named as an additional insured and certificate holder under such policy, and County shall be notified and provided evidence of the insurance coverage.

5.5 Notwithstanding the provisions contained herein, and except to the extent sovereign immunity may be waived by entering into this Agreement, neither Party waives its sovereign immunity or any aspect thereof, nor any other rights and privileges as provided in Section 768.28, Florida Statutes. Except as otherwise set forth in this Agreement, each Party's liability to the other shall be limited to direct damages and shall exclude liability for special, indirect, punitive, or consequential damages.

5.6 City shall require for the duration of each respective contract that City's design consultant and City's contractor shall each, at its sole expense, maintain at least the minimum limits of insurance coverage stated in the Exhibit E (inclusive of any amount provided by an umbrella or excess policy) in accordance with the terms and conditions stated in this article. If either City's design consultant or City's contractor maintains broader coverage or higher limits than the insurance requirements stated in Exhibit E, County shall be entitled to all such broader coverages and higher limits. County reserves the right at any time to review and adjust the limits and types of coverage required under this article. City's design consultant and City's contractor shall each add County as an additional insured on all required insurance coverage.

5.7 City shall require that City's contractor shall maintain insurance coverage against claims relating to any act or omission by Contractor, its agents, representatives, employees, or subcontractors in connection with the Contract. City shall require that City's design consultant shall maintain all required insurance under this article and shall provide primary coverage, list County as an additional insured, and shall not require contribution from any County insurance, self-insurance or otherwise. City shall ensure that City's contractor requires each of its subcontractors to maintain insurance coverage that adequately covers the work provided by that subcontractor on substantially the same insurance terms set forth in this article and that County is named as additional insured under the subcontractor's insurance policies. City shall ensure that City's design consultant requires each of its subconsultants to maintain insurance that adequately covers the services provided by that subconsultant on substantially the same insurance terms set forth in this article and that County is named as additional insured under the subconsultant's insurance policies. All insurance held by County, as well as County's self-insurance, shall be in excess of and shall not contribute to the insurance provided by Contractor or by City's design consultant. Unless prohibited by the applicable policy, City's design consultant waives any right to subrogation that any of City's design consultant's insurers may acquire against County and agrees to obtain same in an endorsement on all lines of insurance required of City's design consultant under this article including any excess or umbrella policies. Unless prohibited by the applicable policy, City's contractor waives any right to subrogation that any of City's contractor's insurers may acquire against County and agrees to obtain same in an endorsement on all lines of insurance required of Contractor under this article including any excess or umbrella policies.

5.8 All required insurance policies must be placed with insurers or surplus line carriers authorized to conduct business in the State of Florida with an A.M. Best rating of A- or better and a financial size category class VII or greater, unless otherwise approved by County's Risk Management Division in writing.

5.9 Notwithstanding Sections 5.3 and 5.5, City shall require that City's contractor and City's design consultant shall each indemnify and hold harmless County and its current, past, and future officers and employees from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentionally wrongful conduct of the party against whom indemnity is sought or other persons employed or utilized by that party in the performance of their contract with City. The provisions of this section shall survive the expiration or earlier termination of this Agreement. To the extent considered necessary by Contract Administrator and County Attorney, any sums due under this Agreement may be retained by County until all of County's claims subject to this indemnification obligation have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by County.

5.10 City shall require its Contractor to furnish a Performance Bond and a Payment Bond for the Project including, but not limited to the Eisenhower Project, in a form acceptable to County. Each Bond shall be maintained in the amount of one hundred percent (100%) of the contract amount guaranteeing to City and County the completion and performance of the work as well as full payment of all suppliers, material providers, laborers, or subcontractors employed pursuant to this Project. Each Bond shall be with a surety company which is qualified pursuant to Section 5.13. Each Bond shall continue in effect for one year after Final Completion and acceptance of the Project work with liability equal to one hundred percent (100%) of the contract amount, or an additional bond shall be conditioned that Contractor will, upon notification by City or County, correct any defective or faulty Work or materials which appear within one year after Final Completion.

Pursuant to the requirements of Section 255.05, Florida Statutes, Contractor shall ensure that the bond(s) referenced above shall be recorded in the public records of Broward County and provide City and County with evidence of such recording.

5.11 Alternate Form of Security: In lieu of a Performance Bond and a Payment Bond, Contractor may furnish alternate forms of security which may be in the form of cash, money order, certified check, cashier's check or unconditional letter of credit. Such alternate forms of security shall be subject to the approval of City and County and for same purpose and shall be subject to the same conditions as those applicable above and shall be held by City for one year after Final Completion and acceptance of the work by County.

5.12 Each bond must be executed by a surety company of recognized standing, authorized to do business in the State of Florida as surety, having a resident agent in the State of Florida, and having been in business with a record of successful continuous operation for at least five years.

5.13 The surety company shall hold a current certificate of authority as acceptable surety on

federal bonds in accordance with United States Department of Treasury Circular 570, Current Revisions. If the amount of the Bond exceeds the underwriting limitation set forth in the circular, in order to qualify, the net retention of the surety company shall not exceed the underwriting limitation in the circular, and the excess risks must be protected by coinsurance, reinsurance, or other methods in accordance with Treasury Circular 297, revised July 1, 1997 (31 C.F.R. Section 223.10, Section 223.111). Further, the surety company shall provide County with evidence satisfactory to County that such excess risk has been protected in an acceptable manner.

5.13.1 The surety company shall hold a current Certificate of Authority with the Florida Office of Insurance Regulation.

5.13.2 The surety company shall have at least the following minimum ratings:

Amount of Bond	Policy Holder's Ratings	Financial Size Category
500,001 to 1,000,000	A,A-	Class I
1,000,001 to 2,000,000	A,A-	Class II
2,000,001 to 5,000,000	A	Class III
5,000,001 to 10,000,000	A	Class IV
10,000,001 to 25,000,000	A	Class V
25,000,001 to 50,000,000	A	Class VI
50,000,001 or more	A	Class VII

ARTICLE 6. TERMINATION

6.1 In the event either Party defaults on any of the terms, obligations, restrictions, or conditions in this Agreement, the nondefaulting Party shall give the defaulting Party written notice of the default an opportunity to cure a monetary default within ten (10) business days, or for a nonmonetary default an opportunity to cure within forty five (45) days, after written notice of default. If corrective action of a nonmonetary default is not reasonably capable of completion within forty five (45) days, actions taken to cure such default shall be commenced within forty five (45) days after written notice, and the defaulting Party shall diligently and promptly prosecute such cure measures to completion. In the event the defaulting Party has failed to cure the condition(s) of the default or the default is not cured within the applicable cure period after notice of default, the nondefaulting Party shall have all legal remedies available to it, including, but not limited to, termination of the Agreement upon thirty (30) days' written notice of termination to the defaulting Party, in which case the defaulting Party shall be liable for any and all damages permitted by law arising from the default of the Agreement. The Parties agree that if this Agreement is erroneously, improperly, or unjustifiably terminated for cause, such termination shall be deemed a termination for convenience, which shall be effective sixty (60) days after such notice of termination for cause is provided.

6.2 Subject to the limitation set forth below in this section, at any time prior to issuance of a construction permit pursuant to Section 8.19.1, either Party may terminate this Agreement for convenience by providing written notice to the other Party. Notice of termination for

convenience must state that the Agreement is being terminated for the convenience of the terminating Party and the effective date of termination, which shall not be less than sixty (60) days after the date of notice of termination. Each Party acknowledges and agrees that it has received good, valuable, and sufficient consideration from the other, the receipt and adequacy of which are hereby acknowledged, for the right to terminate this Agreement for convenience.

6.3 This Agreement may be terminated at any time by mutual written agreement of the Parties.

6.4 In the event this Agreement is terminated for any reason or for convenience by County, County shall pay City the amount of City's financial responsibility for any construction performed by City's contractor for the Eisenhower Improvement through the effective date of termination.

ARTICLE 7. EEO COMPLIANCE

No party to this Agreement may discriminate on the basis of race, color, sex, religion, national origin, disability, age, marital status, political affiliation, sexual orientation, pregnancy, or gender identity and expression in the performance of this Agreement. Failure to comply with the foregoing requirements is a material breach of this Agreement, which may result in the termination of this Agreement or such other remedy as the compliant party deems appropriate.

ARTICLE 8. MISCELLANEOUS

8.1 Rights in Documents and Work. Any and all reports, photographs, surveys, and other data and documents provided or created in connection with the Project are and shall remain the property of the Parties.

8.2 Public Records. The Parties are public agencies subject to Chapter 119, Florida Statutes, and, to the extent applicable, the provisions of Section 119.0701, Florida Statutes, are deemed incorporated as if fully set forth herein.

8.3 Independent Contractor. The Parties are independent contractors under this Agreement. Neither County nor City, nor the agents of either, shall act as officers, servants, employees, or agents of the other Party relating to the Project, or this Agreement, unless expressly authorized herein. Neither of the Parties shall have the right to bind the other Party to any obligation not expressly authorized by or undertaken under this Agreement.

8.4 Third-Party Beneficiaries. Neither County nor City intends to directly or substantially benefit a third party by this Agreement. Therefore, the Parties agree that there are no third-party beneficiaries to this Agreement and that no third party shall be entitled to assert a right or claim against either of them based upon this Agreement. Nothing in this Agreement, express or implied, is intended to (i) confer upon any entity or person other than the Parties and their successors or assigns any rights or remedies under or by reason of this Agreement as a third-party beneficiary or otherwise, except as specifically provided in this Agreement; or (ii) authorize

anyone not a party to this Agreement to maintain an action pursuant to or based upon this Agreement.

8.5 Notices. Whenever either party desires to give notice to the other, such notice must be in writing, sent by United States Mail, postage prepaid, commercial express carrier, or by hand delivery, with a simultaneous copy sent via electronic mail, and addressed to the party for whom it is intended at the place last specified. Notice shall be effective when sent or hand delivered, provided that a simultaneous electronic mail copy is also sent. The place for giving notice shall remain the same as set forth herein until changed in writing in the manner provided in this section. For the present, the Parties designate the following:

For County: Broward County Administrator, as
Board of County Commissioners
Governmental Center, Suite 409
115 South Andrews Avenue
Fort Lauderdale, Florida 33301
Telephone: (954) 357-7000
Telecopier: (954) 357-7360

With copy to: Broward County Attorney
Governmental Center, Suite 423
115 South Andrews Avenue
Fort Lauderdale, Florida 33301
Telephone: (954) 357-7600
Telecopier: (954) 357-7641

For City: City of Fort Lauderdale
Attention: City Manager
100 North Andrews Avenue
Fort Lauderdale, Florida 33301

With copy to: City of Fort Lauderdale
Attention: City Attorney
100 North Andrews Avenue
Fort Lauderdale, Florida 33301

8.6 Assignment and Performance. Neither this Agreement nor any right or interest herein shall be assigned, transferred, or encumbered without the written consent of the other Party. Any purported assignment, transfer, subcontract, or encumbrance in violation of this section will be void. If a Party violates this provision, the other Party shall have the right to immediately terminate this Agreement. The hiring of contractors and design professionals by City does not constitute an assignment requiring County's consent and shall not transfer any of City's obligations under this Agreement to a contractor or design professional and shall not operate to relieve the City of its obligations under this Agreement.

8.7 Materiality and Waiver of Breach. Each requirement, duty, and obligation set forth in this Agreement was bargained for at arm's length and is agreed to by the Parties. Each requirement, duty, and obligation set forth in this Agreement is substantial and important to the formation of this Agreement, and each is, therefore, a material term of this Agreement. A Party's failure to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement. A waiver of any breach of a provision of this Agreement shall not be deemed a waiver of any subsequent breach and shall not be construed to be a modification of the terms of this Agreement. Any waiver must be in writing signed by an authorized signatory of the waiving Party.

8.8 Compliance with Laws. Each Party shall comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations pursuant to this Agreement.

8.9 Severance. In the event any part of this Agreement is found to be invalid or unenforceable by any court of competent jurisdiction, through any filed appeal, that part shall be deemed severed from this Agreement, and the remaining provisions shall continue to be in full force and effect.

8.10 Joint Preparation. Each Party and its counsel have participated fully in the review and revision of this Agreement and acknowledge that the preparation of this Agreement has been their joint effort. The language agreed to expresses their mutual intent, and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the Parties than the other. The language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against any Party.

8.11 Jurisdiction, Venue, Waiver of Jury Trial. This Agreement shall be interpreted and construed in accordance with and governed by the laws of the state of Florida. All parties agree and accept that jurisdiction of any controversies or legal problems arising out of this Agreement, and any action involving the enforcement or interpretation of any rights hereunder, shall be exclusively in the state courts of the Seventeenth Judicial Circuit in Broward County, Florida, and venue for litigation arising out of this Agreement shall be exclusively in such state courts, forsaking any other jurisdiction which either Party may claim by virtue of its residency or other jurisdictional device. **BY ENTERING INTO THIS AGREEMENT, CITY AND COUNTY HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT.**

8.12 Amendments. No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document prepared with the same or similar formality as this Agreement and executed by County and City or others authorized to execute same on their behalf.

8.13 Prior Agreements. This document represents the final and complete understanding of the Parties and incorporates or supersedes all prior negotiations, correspondence, conversations, agreements, and understandings applicable to the matters contained herein. The Parties agree

that there is no commitment, agreement, or understanding concerning the subject matter of this Agreement that is not contained in this written document. Accordingly, the Parties agree that no deviation from the terms hereof shall be predicated upon any prior representation or agreement, whether oral or written.

8.14 Incorporation by Reference. Any and all Recital clauses stated above are true and correct and are incorporated herein by reference. Exhibits A, B, C, D, E, and F are hereby incorporated herein by reference.

8.15 Representation of Authority. County and City each represent and warrant to the other Party that this Agreement constitutes a legal, valid, binding, and enforceable agreement, and that neither the execution nor performance of this Agreement constitutes a breach of any agreement that the Party has with any third party or violates any law, rule, regulation, or duty arising in law or equity applicable to the party. County and City each further represent and warrant that execution of this Agreement is within their legal powers, and each individual executing this Agreement on behalf of the Party is duly authorized by all necessary and appropriate action to do so and does so with full legal authority.

8.16 Multiple Originals and Counterparts. This Agreement may be executed in multiple originals, and may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

8.17 Interpretation. The headings contained in this Agreement are for reference purposes only and shall not in any way affect the meaning or interpretation of this Agreement. All personal pronouns used in this Agreement shall include the other gender, and the singular shall include the plural, and vice versa, unless the context otherwise requires. Terms such as "herein," "hereof," "hereunder," and "hereinafter" refer to this Agreement as a whole and not to any particular sentence, paragraph, or section where they appear, unless the context otherwise requires. Whenever reference is made to a section or article of this Agreement, such reference is to the section or article as a whole, including all of the subsections of such section, unless the reference is made to a particular subsection or subparagraph of such section or article. All references to "days" shall constitute calendar days, unless otherwise expressly stated. Any approvals required under this Agreement must be in writing signed by an authorized signatory of the Party giving the approval.

8.18 Port Security. Since construction of the Project will occur west of Eisenhower Boulevard, within the Port Everglades controlled access area, City shall require all personnel, contractors, consultants, and contractor subcontractors, to apply to County for Port IDs for access to that area. City shall also station a security officer to control access to the site when a temporary access gate is utilized along Eisenhower Boulevard. If any violation of the Section 8.18 occurs, County may issue a stop work order to City, which shall remain in effect until the violation is cured to County's satisfaction. City shall immediately comply, or cause its contractor to comply, with any stop work order.

8.19 Project Permitting. County will issue a construction permit for the Project after the Contract Administrator's written approval of appropriate design submittal review pursuant to Section 8.19.1. It is expected that City will construct the Project using the design-build project delivery method. The permit will provide City with the right to transmit sewage effluent, the right to access and install, inspect, test, maintain, repair, rehabilitate and replace the effluent force main. City shall design the Project in accordance and compliance with the Broward County Minimum Standards and other applicable regulatory standards and requirements. City shall be responsible for maintaining the effluent force main after its completion. County will be responsible for maintaining the roads after construction.

- 8.19.1** As a condition precedent to County's issuance of a construction permit for the Project, City shall submit design and other Project documents to County for its review and written approval prior to issuance of a construction permit (individually a "Submittal" and collectively "Submittals"). Design-build criteria documents shall be submitted to County for review and approval at sixty percent (60%) completion and again at one hundred percent (100%) completion. Design of all roadway related improvements, including, but not limited to, paving, drainage, utilities, pavement markings, and signage shall be submitted at thirty percent (30%) completion, sixty percent (60%) completion, ninety percent (90%) completion, and at one hundred percent (100%) completion. City shall submit a maintenance of traffic plan as part of its Submittal to County. County will provide written comments, or issue approval, within fifteen (15) business days after receiving each Submittal from City. Each Submittal must be approved in writing by the Contract Administrator. If a Submittal is not approved, the Contract Administrator shall set forth the reasons for non-approval in writing and City shall revise the non-approved Submittal to address County's reasons for non-approval and shall re-submit the revised Submittal for County's approval, and City shall continue to revise and re-submit the Submittal until it is approved by the Contract Administrator.
- 8.19.2** Conditions applicable to the construction permit are set forth in Exhibit E.
- 8.19.3** As an additional condition precedent to the issuance of a construction permit, City shall pay County's standard design review and permit fees in based on the Project's construction contract amount for all work in the road right-of-way or other County property.
- 8.19.4** During construction of the Project, County shall, upon notification from City in accordance with the permit conditions, periodically inspect the Project to ensure that the County standards and permit conditions are met by City. County may also request inspection of the Project at any time upon forty-eight (48) hours written notice to City. Upon substantial completion of the Project, City shall notify County in writing and County shall conduct an inspection of the Project work to determine that the requirements of this Agreement and all

permit conditions have been met by City. If, after inspection, County determines that all requirements of this Agreement and the permit conditions have been met, County shall set such forth in writing to City. If, after inspection, County determines that not all Agreement requirements or permit conditions have been met, County shall so notify City in writing and City shall take prompt action to address County's reasons for its determination.

8.20 Regulatory Capacity. Notwithstanding the fact that County is a political subdivision with certain regulatory authority, County's performance under this Agreement is as a Party to this Agreement and in the capacity as owner of land upon or under which the Project is to be constructed and land adjacent to the Project. If County exercises its regulatory authority, including, but not limited to any right under the construction permit to issue a stop work order, the exercise of such authority, such as the issuance of a construction permit, and the enforcement of Applicable Law shall have occurred pursuant to County's regulatory authority as a governmental body separate and apart from this Agreement, and shall not be attributable in any manner to County as a Party to this Agreement.

8.21 County's Right to Issue Stop Work Order. If City or City's contractor violates, or otherwise fails to comply with, any requirement of Section 4.1 or any condition of the construction permit, County may issue a stop work order to City and to City's contractor, which shall remain in effect until the violation or failure is cured or removed to County's satisfaction. City shall immediately comply, or cause City's contractor to comply, with any stop work order. Failure by City or City's contractor to comply with a stop work order or to cure or remove the failure shall be a City default and County may exercise its rights under Article 6.

Intentionally Left Blank

IN WITNESS WHEREOF, the Parties hereto have made and executed this Interlocal Agreement: BROWARD COUNTY, through its Board of County Commissioners, signing by and through its Mayor or Vice-Mayor authorized to execute same by Board action on the ____ day of _____, 2023, and CITY OF FORT LAUDERDALE, signing by and through its _____, duly authorized to execute same.

COUNTY

ATTEST:

Broward County Administrator, as
ex officio Clerk of the Broward County
Board of County Commissioners

BROWARD COUNTY, by and through
its Board of County Commissioners

By _____
Mayor

_____ day of _____, 2023

Approved as to form by
Andrew J. Meyers
Broward County Attorney
Governmental Center, Suite 423
115 South Andrews Avenue
Fort Lauderdale, Florida 33301
Telephone: (954) 357-7600
Telecopier: (954) 357-7641

By: _____
Jeffrey S. Siniawsky (Date)
Senior Assistant County Attorney

By: _____
Michael J. Kerr (Date)
Deputy County Attorney

INTERLOCAL AGREEMENT BETWEEN BROWARD COUNTY AND CITY OF FORT LAUDERDALE
REGARDING PROPOSED EFFLUENT FORCE MAIN PROJECT

CITY

WITNESSES:

2nd HARRY SAKINS-DURAND

[Signature]

[Witness type or print name]

Donna Varisco

Donna Varisco

[Witness type or print name]

[Signature]

By:

Dean J. Trantalis, Mayor

[Signature]

By:

Greg Chavarria, City Manager

ATTEST:

[Signature]

David R. Solomon, City Clerk



Approved as to form and correctness:

D Wayne M. Spence, Interim City Attorney

By:

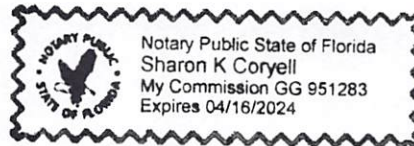
[Signature]
Lynn Solomon, Esq.
Assistant City Attorney

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online, this 21st day of JUNE, 2023, by DEAN J. TRANTALIS, Mayor of the City of Fort Lauderdale, a municipal corporation of Florida on behalf of the City of Fort Lauderdale.

Sharon K Coryell
Notary Public, State of Florida

SHARON K CORYELL
Name of Notary Typed, Printed or Stamped



Personally Known ☒ OR Produced Identification ☐

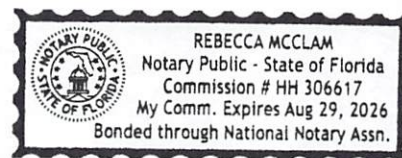
Type of Identification Produced _____

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this by means of ☒ physical presence or ☐ online, this 21st day of June, 2023, by Greg Chavarria, City Manager of the City of Fort Lauderdale, a municipal corporation of Florida on behalf of the City of Fort Lauderdale.

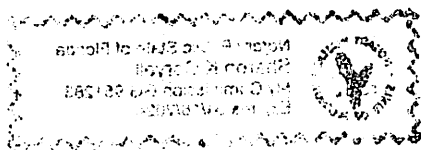
R. McClam
Notary Public, State of Florida

Rebecca McClam
Name of Notary Typed, Printed or Stamped

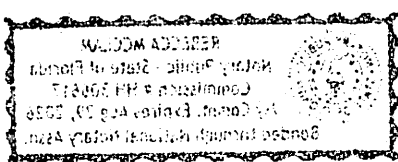


Personally Known ☒ OR Produced Identification ☐

Type of Identification Produced _____



Handwritten text, likely a signature or address, appearing as bleed-through from the reverse side of the page.



Handwritten text, likely a signature or address, appearing as bleed-through from the reverse side of the page.

Exhibit A

GTL WWTP Redundant Effluent Force Main Conceptual Layout

(Previously Provided by City – To Be Inserted Here)

SE 17th ST

EISENHOWER IMPROVEMENTS
(to be constructed by Broward County)

SE 18th ST

GEORGE T. LOHMEYER
REGINAL WASTEWATER
TREATMENT PLANT

EFFLUENT FORCE MAIN -
EISENHOWER BLVD PORTION
AND EISENHOWER IMPROVEMENTS
(to be constructed by City of Fort Lauderdale)

CONVENTION CENTER

EISENHOWER BLVD

EFFLUENT FORCE MAIN
SE 20th ST AND SE 14th AVE PORTION
(to be constructed by City of Fort Lauderdale)

SE 20th ST

SE 14th AVE

SE 21st ST

CITY OF FORT
LAUDERDALE
DEEP INJECTION WELLS

FUTURE
PARKING GARAGE

SE 22nd ST

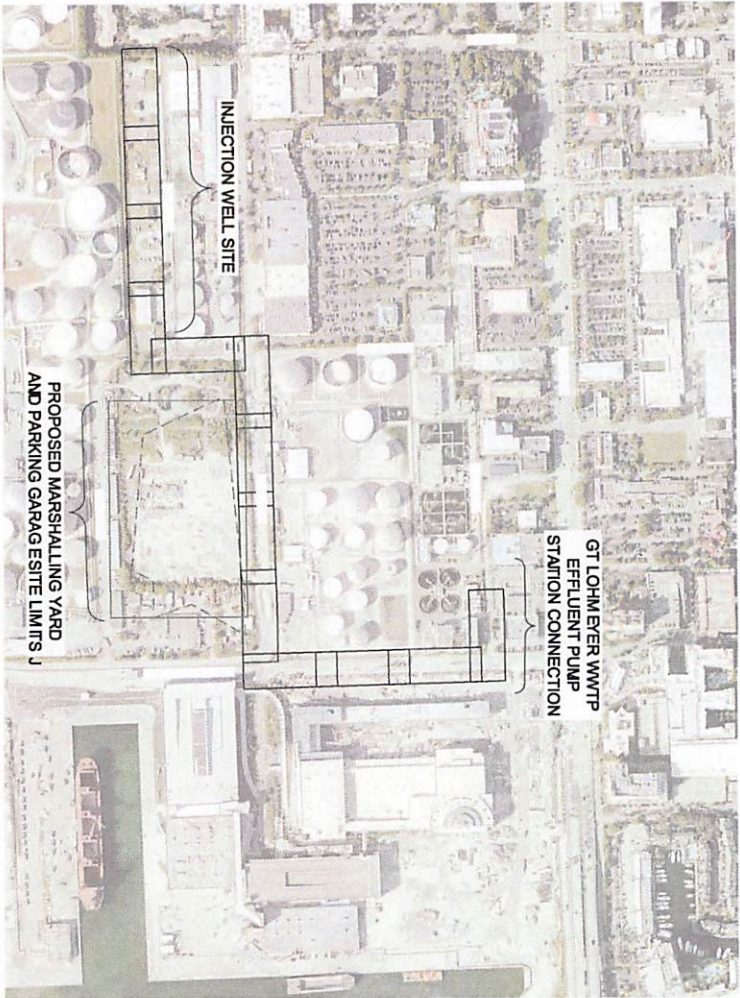
BY-PASS ROAD

\$USERS

SDATES

STINES

SFILES



KEY MAP
1"=200'-0"



ELIZABETH SPONG, AEPSON, INC.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 15845
10000 HOLLYWOOD, FLORIDA 33331


Hazen
HAZEN AND SAWYER
4000 UNIVERSITY AVENUE, SUITE 200
HOLLYWOOD, FLORIDA 33331

DCP SET - NOT FOR CONSTRUCTIONJ

PROJECT NO.
G04 J

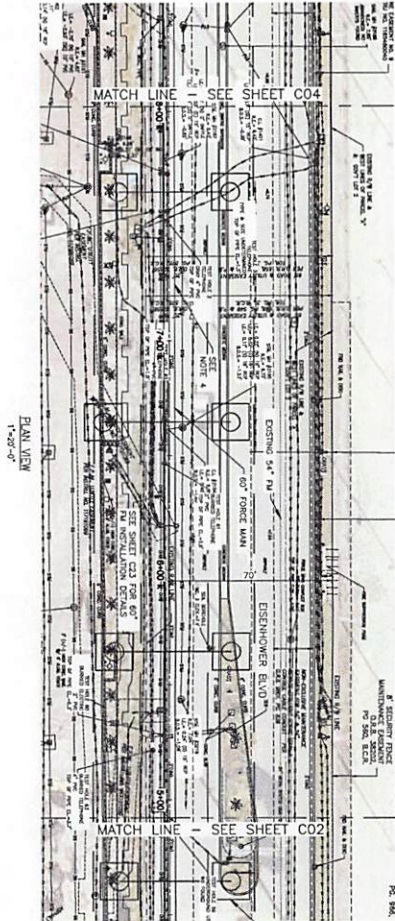
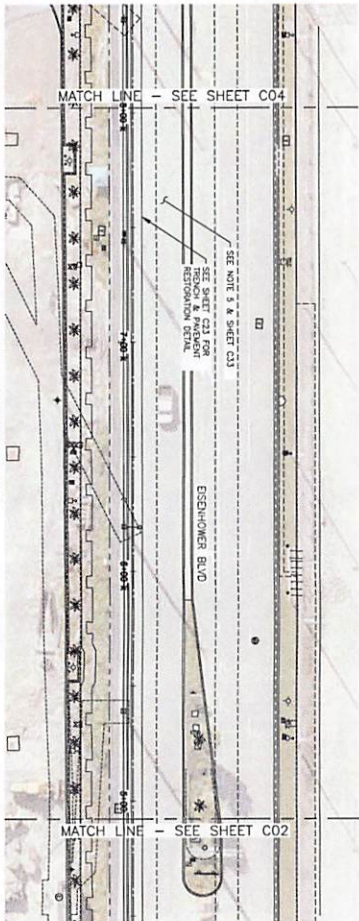
PROJECT **12387**
GT LOHMEYER WWTP REDUNDANT
EFFLUENT FORCE MAIN
KEY MAP

REVISIONS			
NO.	DATE	BY	DESCRIPTION

 **CITY OF FORT LAUDERDALE**
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY: DATE: 04/17/2023
CHECKED BY: KAA
ENGINEER BY: EAC
FILED: XXXX

EXCHANGED:
EXCHANGED & AL-CHARGE
HOLLYWOOD, FLORIDA 33331
DATE: 04/17/2023
FILE: 001-001-000



- NOTES:
1. LOCATIONS AND ELEVATIONS OF ALL STRUCTURES SHOWN IN THIS SET SHALL BE AS SHOWN ON THE RECORD DRAWINGS OF THE PROJECT.
 2. EXISTING & NEW STRUCTURES SHALL BE SHOWN ON THE RECORD DRAWINGS OF THE PROJECT.
 3. EXISTING & NEW STRUCTURES SHALL BE SHOWN ON THE RECORD DRAWINGS OF THE PROJECT.
 4. EXISTING & NEW STRUCTURES SHALL BE SHOWN ON THE RECORD DRAWINGS OF THE PROJECT.
 5. EXISTING & NEW STRUCTURES SHALL BE SHOWN ON THE RECORD DRAWINGS OF THE PROJECT.



Hazen
HAZEN AND SAWYER
4001 N. W. 11th Avenue
Fort Lauderdale, Florida 33311

DCP SET - NOT FOR CONSTRUCTION

C03 K
SHEET 3

PROJECT 12387
GT LOHMEYER WWTP REDUNDANT
EFFLUENT FORCE MAIN
PIPING & RESTORATION PLANS - K
SHEET 3

NO.	DATE	BY	CHKD	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DATE	DATE
04/17/2023	04/17/2023
BY	BY
KAM	KAM
DATE	DATE
04/17/2023	04/17/2023
BY	BY
KAM	KAM
DATE	DATE
04/17/2023	04/17/2023

REVISIONS:
REVISION 1: AS SHOWN
DATE: 04/17/2023
BY: KAM
DATE: 04/17/2023
BY: KAM
DATE: 04/17/2023
BY: KAM

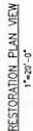
LEGEND

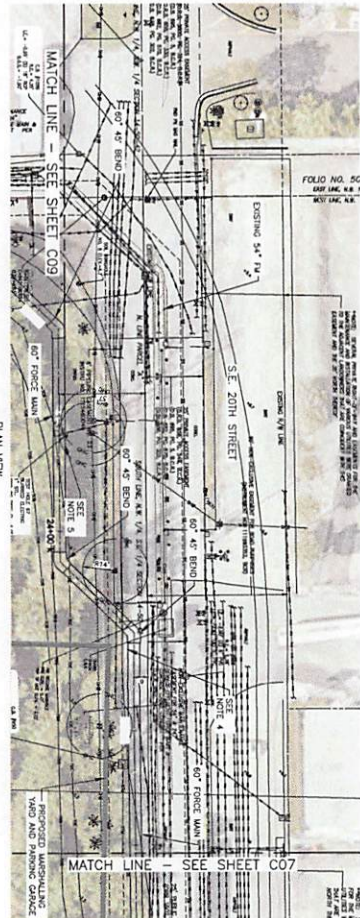
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———— DISTING

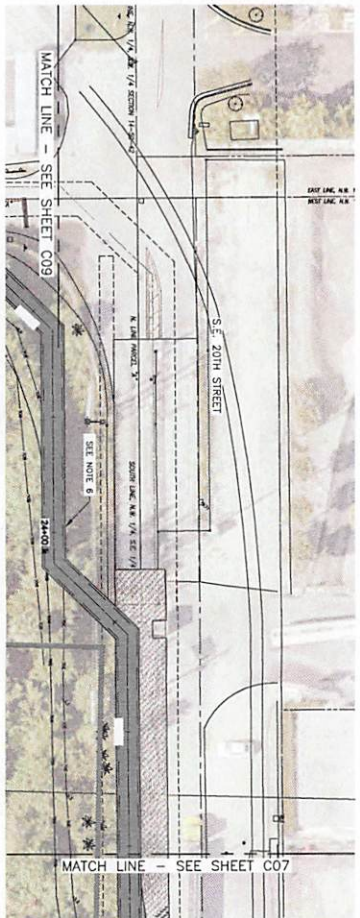
RESTORATION PLAN VIEW
1"=20'-0"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD., SUITE 750N
HOLLYWOOD, FLORIDA 33021





PLAN VIEW
1"=20'-0"



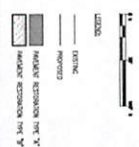
RESTORATION PLAN VIEW
1"=20'-0"



Hazen
HAZEN AND SAWYER
4005 N.W. 11th Avenue, Suite 200
Fort Lauderdale, Florida 33311
TEL: 954-587-0000
FAX: 954-587-0001

- NOTES**
1. EXISTING AND PROPOSED SEWER LINES SHALL BE SHOWN AS SHOWN ON THE PLAN. ALL EXISTING LINES SHALL BE SHOWN AS EXISTING UNLESS OTHERWISE NOTED.
 2. EXISTING AND PROPOSED SEWER LINES SHALL BE SHOWN AS SHOWN ON THE PLAN. ALL EXISTING LINES SHALL BE SHOWN AS EXISTING UNLESS OTHERWISE NOTED.
 3. EXISTING AND PROPOSED SEWER LINES SHALL BE SHOWN AS SHOWN ON THE PLAN. ALL EXISTING LINES SHALL BE SHOWN AS EXISTING UNLESS OTHERWISE NOTED.
 4. EXISTING AND PROPOSED SEWER LINES SHALL BE SHOWN AS SHOWN ON THE PLAN. ALL EXISTING LINES SHALL BE SHOWN AS EXISTING UNLESS OTHERWISE NOTED.
 5. EXISTING AND PROPOSED SEWER LINES SHALL BE SHOWN AS SHOWN ON THE PLAN. ALL EXISTING LINES SHALL BE SHOWN AS EXISTING UNLESS OTHERWISE NOTED.


SunshineFL.com
Get the latest news and information on Florida's infrastructure projects. Visit us online at SunshineFL.com.



DCP SET - NOT FOR CONSTRUCTION

PROJECT	12387
GT LOHMEYER WWTP REDUNDANT	
EFFLUENT FORCE MAIN	
PIPING & RESTORATION PLANS - K	
SHEET 8	

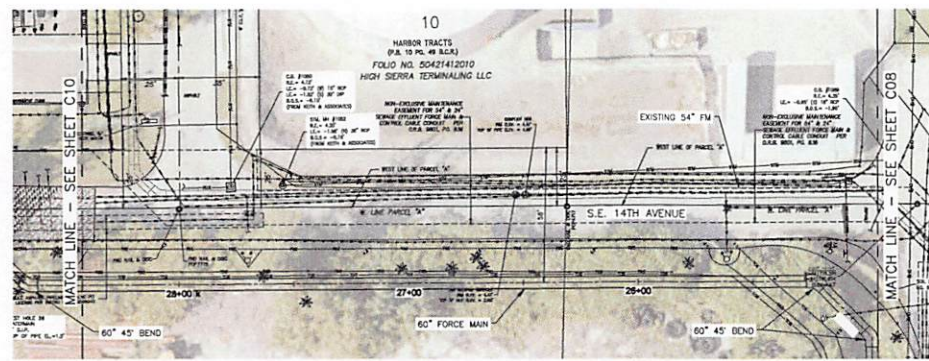
REVISIONS		DESCRIPTION
NO.	DATE	BY

**CITY OF FORT LAUDERDALE**
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

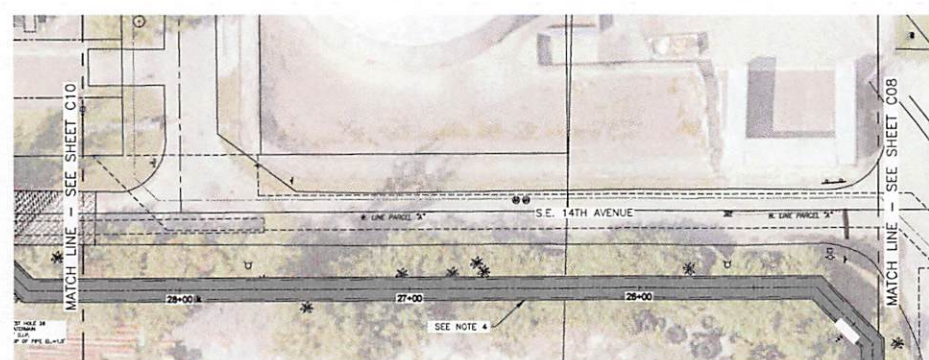
DATE	3/17/2023
BY	XXX
CHECKED BY	XXX
DATE	3/17/2023

ENGINEER	KRAMER A. AL-SHAAR
DATE	3/17/2023
BY	XXX
CHECKED BY	XXX
DATE	3/17/2023

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021



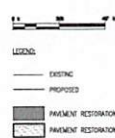
PLAN VIEW
1"=20'-0"



RESTORATION PLAN VIEW
1"=20'-0"

- NOTES:
1. LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS SHALL BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE USER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 2. STATIONING IS ALONG THE CENTER OF PIPE.
 3. ALL ASPHALT/ CONCRETE SHALL BE SAW CUT TO ENSURE CLEAN EDGES.
 4. TYPE A RESTORATION WITH PAVEMENT AS REQUIRED MATCH EXISTING CONDITIONS WHERE THERE IS NO PAVEMENT.

ELEVATIONS SHOWN HEREIN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)



DCP SET - NOT FOR CONSTRUCTION

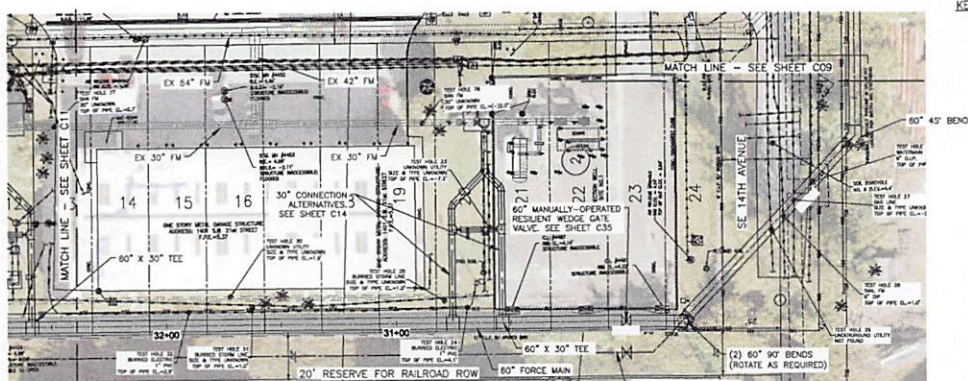
PROJECT 12987	GT LOHMEYER WWP REDUNDANT EFFLUENT FORCE MAIN
PIPING & RESTORATION PLANS - K	
SHEET 9	
C09	
TOTALS	42 K
CAD FILE	K17-84-034-C09
DRAWING FILE NO.	K17-84-034

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
TEL: 941-961-0888
FAX: 941-961-0889

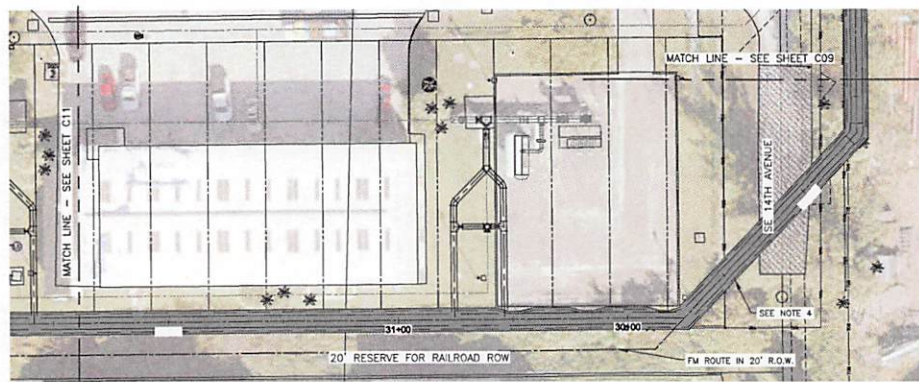
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DATE	BY	CHKD	APP'D

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021



PLAN VIEW
1"=20'-0"



RESTORATION PLAN VIEW
1"=20'-0"

NOTE:
THE 60" AND 45" FORCE MAINS WILL BE INSTALLED IN THE 20'-FEET RAILROAD RIGHT-OF-WAY IN THE CITY OF FORT LAUDERDALE. THE CITY OF FORT LAUDERDALE CONFIRMS TITLE TO THE PROPERTY.

- NOTES:**
1. LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS SHALL BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE USER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 2. STATIONING IS ALONG THE CENTER OF PIPE.
 3. ALL REPAIRED CONCRETE SHALL BE SAW CUT TO ENSURE CLEAN EDGES.
 4. TYPE A RESTORATION WITH PATCHMENT AS REQUIRED. MATCH EXISTING CONDITIONS WHERE THERE IS NO PATCHMENT.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN DATUM (NAD 83) (1983).



LEGEND:

—	EXISTING
- - -	PROPOSED
■	PATCHMENT RESTORATION TYPE "A"
■	PATCHMENT RESTORATION TYPE "B"

DCP SET - NOT FOR CONSTRUCTION

PROJECT 123876
GT LOHMEYER WTPP REDUNDANT
EFFLUENT FORCE MAIN
PIPING & RESTORATION PLANS -
SHEET 10

SHEET NO.
C10 d
TOTAL 42 d

CAD FILE: 43194-054-C10
DRAWING FILE NO: 4-143-00

DATE: 4/17/2023
BY: [Signature]
CHECKED BY: [Signature]
SCALE: 1"=20'

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	REVISION

Exhibit B

Eisenhower Boulevard Capacity Improvement Project Design Plans

(Previously Provided by County – To Be Inserted Here)

Exhibit B - Eisenhower Boulevard Capacity Improvement Project Design Plans

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS

BROWARD COUNTY COMMISSION

HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

BCTD REFERENCE # 200801060

CONTRACT PLANS

EISENHOWER BOULEVARD CAPACITY IMPROVEMENT PROJECT
SE 20TH ST TO SE 17TH ST
BROWARD COUNTY PROJECT NO. 105583 - PHASE 1

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4-7	DRAINAGE MAP
8	TYPICAL SECTIONS
9	SUMMARY OF QUANTITIES
10	SUMMARY OF DRAINAGE STRUCTURES
11-12	OPTIONAL MATERIALS TABULATION
13-15	GENERAL NOTES
16	ROADWAY PLAN
17-19	DRAINAGE PROFILE
20-21	DRAINAGE STRUCTURES
22-23	CROSS SECTIONS
24-25	TRAFFIC CONTROL NOTES
26-27	TRAFFIC CONTROL PLANS
28	SUMMARY OF VERIFIED UTILITIES
29-31	UTILITY ADJUSTMENTS
32-33	STORMWATER POLLUTION PREVENTION PLAN
34-35	ROADWAY SOIL PROFILES
36-37	TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD



BEGIN PROJECT
EISENHOWER BLVD.
STA. 24+67.90

END PROJECT
EISENHOWER BLVD.
STA. 36+50.67

DATUM USED FOR THIS PROJECT IS: NAVD88
DATUM SHIFT (NAVD 88 MINUS NGVD 29): -1.565 FEET

GOVERNING STANDARDS AND SPECIFICATIONS:

All MOT and construction work performed in Broward County Right of Way shall be in accordance with the governing standards and specifications: Exhibit 25A, Broward County administrative code, Florida Department of Transportation 2019-2020 Standard Plans, and Standard Specifications for Road and Bridge Construction dated January 2020, as amended in the contract documents.

For Standard Plans click on the "Standard Plans" link at the following web site:
<http://www.fdot.gov/design/standardplans/>

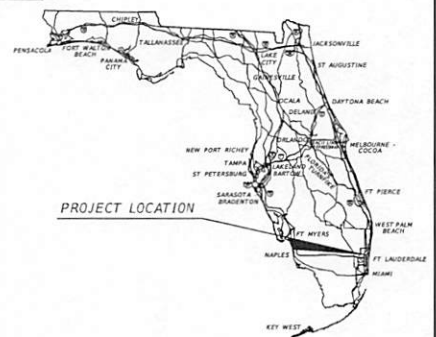
For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.fdot.gov/programmanagement/>

PROJECT LENGTH IS BASED ON R.O.W. OF SURVEY

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	1183	0.224
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	1183	0.224
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	1183	0.224

BROWARD COUNTY PROJECT MANAGER: MAYRA MANRIQUE, E.I.



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
MAYRA MANRIQUE, E.I.
BROWARD COUNTY PUBLIC WORKS
HIGHWAY CONSTRUCTION & ENGINEERING DIVISION
ONE N. UNIVERSITY DRIVE, BOX 8300
PLANTATION, FL 33324

PLANS PREPARED BY:
RSM, INC.
3125 W. COMMERCIAL BLVD., SUITE 130
FORT LAUDERDALE, FL 33309-3451
CERTIFICATE OF AUTHORIZATION EB0005620

BROWARD COUNTY
FLORIDA

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

ROADWAY ENGINEER OF RECORD: WILLIAM AVILES, P.E.

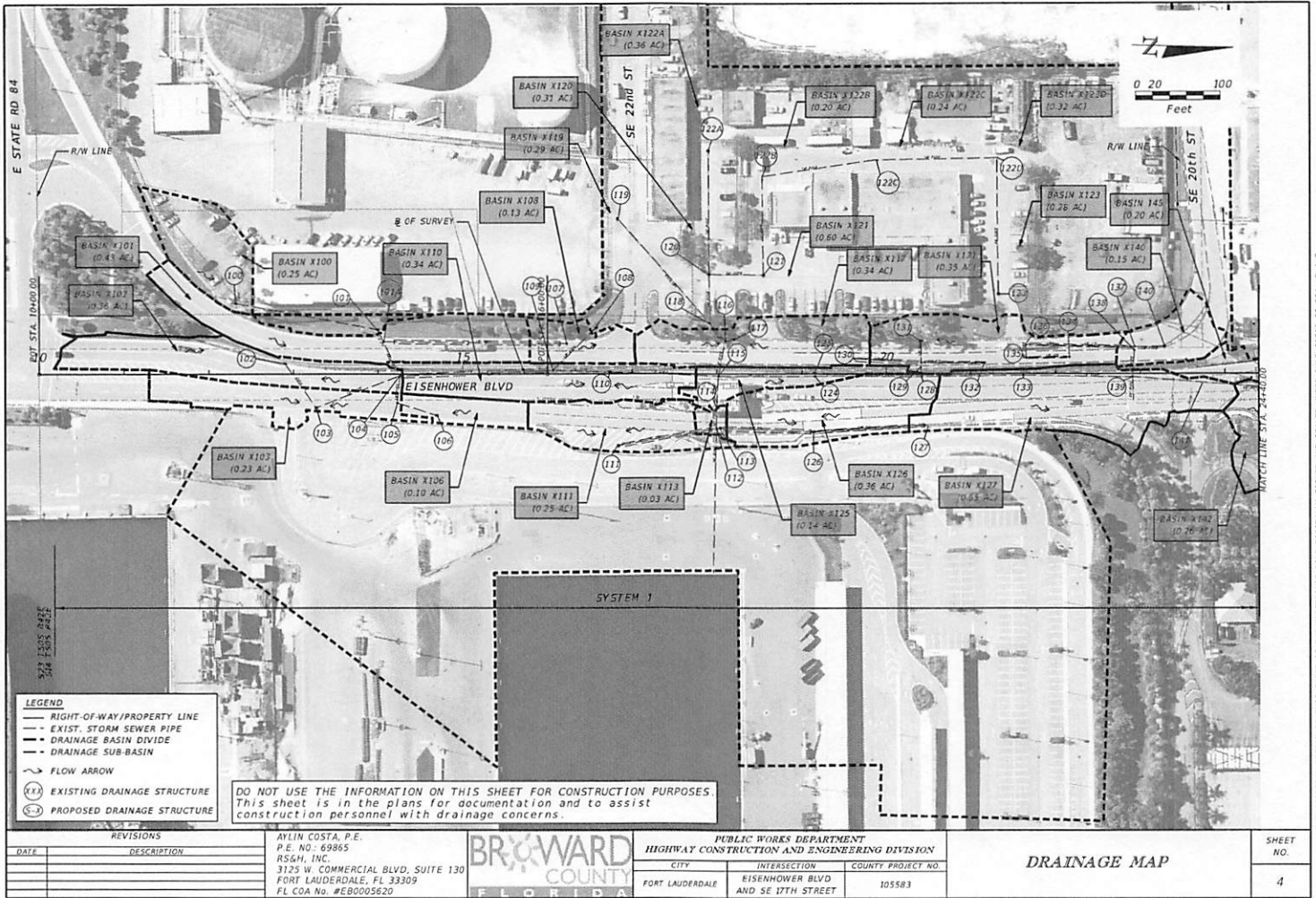
P.E. NO.: 72351

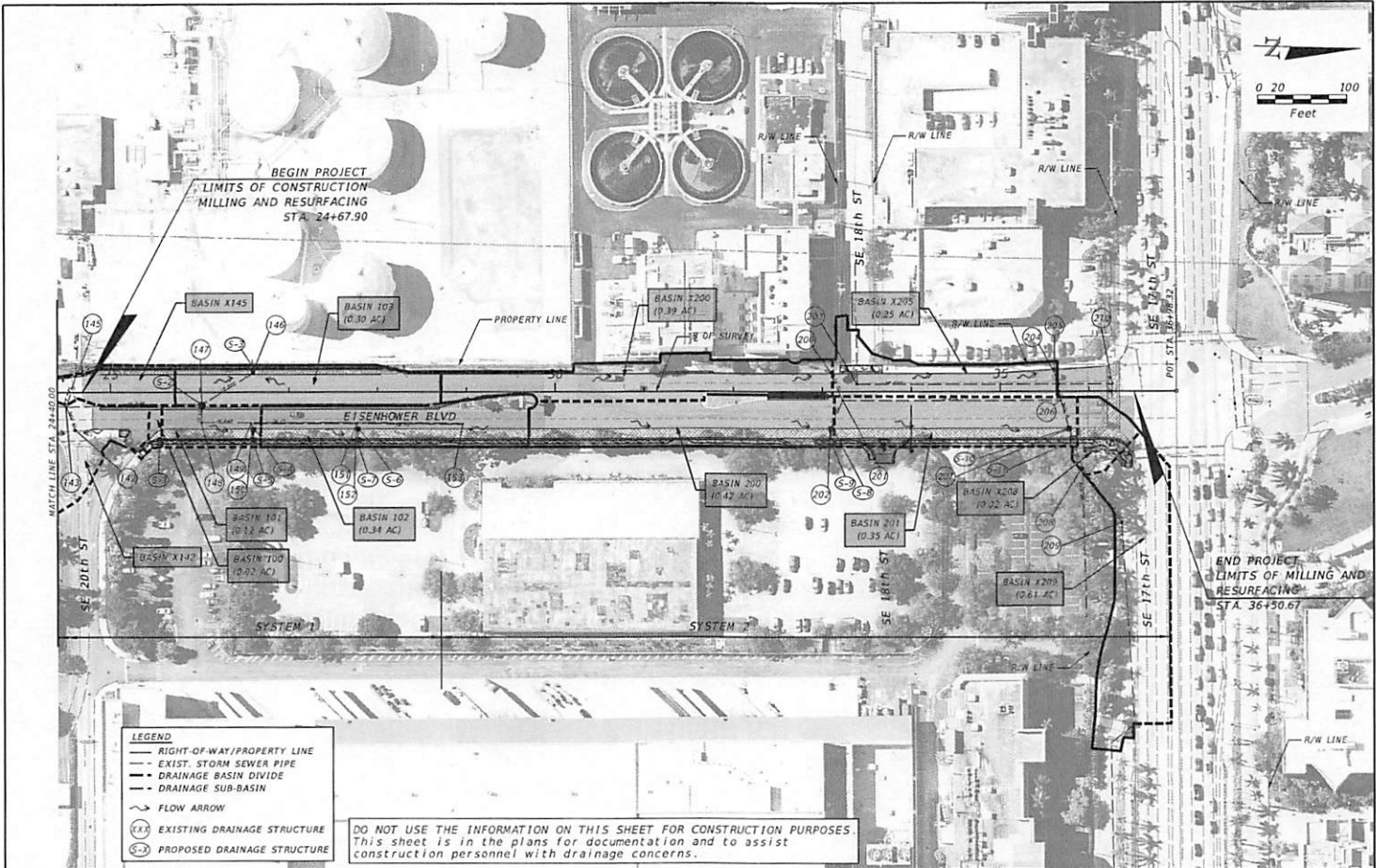
FISCAL YEAR	SHEET NO.
20	1


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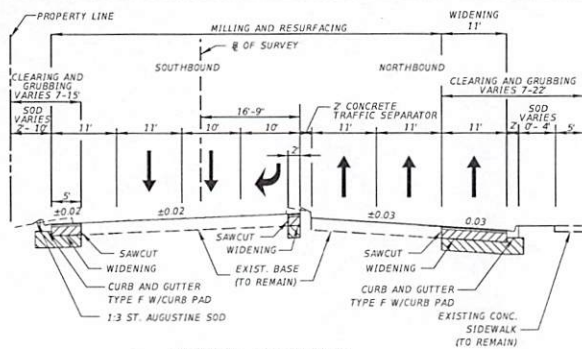
REVISIONS		AYLIN COSTA P.E. P.E. NO.: 69865 RS&M, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		5
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.

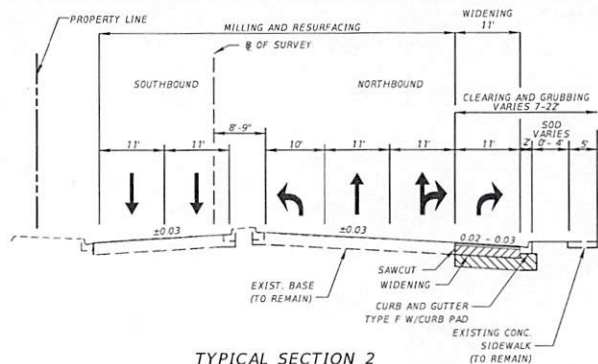
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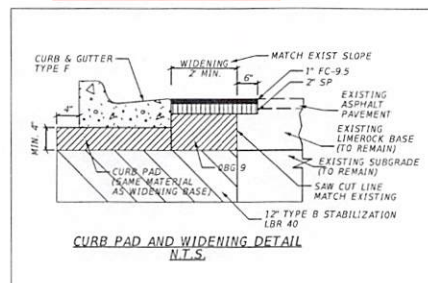


TYPICAL SECTION 1
EISENHOWER BOULEVARD
STA. 24+67.90 TO STA. 28+52.00
N.T.S.



TYPICAL SECTION 2
EISENHOWER BOULEVARD
STA. 28+52.00 TO STA. 36+50.67
N.T.S.

City shall mill 1" and resurface
 with 1" FC 9.5 (PG-76-22)
 from sta. 33+20.00
 to 36+50.67



CURB PAD AND WIDENING DETAIL
N.T.S.

- NOTES:
1. COST OF THE CURB PAD TO BE INCLUDED IN THE COST OF CURB AND GUTTER TYPE F, PAY ITEM NO. 520-1-10.
 2. SEE FDOT SPECIFICATIONS FOR LAYER THICKNESS AND COMPACTION REQUIREMENTS.
 3. AT THE CONTRACTOR'S OPTION 8-12.5 MAY BE USED FOR OBG 9 IN AREAS OF LIMITED WIDENING WITHOUT ADDITIONAL PAYMENT.
 4. POSTED DESIGN SPEED: 35 MPH

PAVEMENT DESIGN MILLING & RESURFACING
STA. 24+67.90 TO STA. 29+85.00
 MILL EXIST. ASPHALT PAVEMENT (1" AVG. DEPTH)
 AND RESURFACE WITH
 FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

PAVEMENT DESIGN MILLING & RESURFACING
STA. 29+85.00 TO STA. 36+50.67
 MILL EXIST. ASPHALT PAVEMENT (2.5" AVG. DEPTH)
 AND RESURFACE WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1.5")
 AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

PAVEMENT DESIGN WIDENING
STA. 24+67.90 TO STA. 36+50.67
 TYPE B STABILIZATION (LBR 40) (12")
 OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
 AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

REVISIONS	WILLIAM AVILES, P.E.
DATE	P.E. NO.: 72351
DESCRIPTION	RS&H, INC.
	3125 W. COMMERCIAL BLVD, SUITE 130
	FORT LAUDERDALE, FL 33309
	FL COA NO. #E80005620



PUBLIC WORKS DEPARTMENT	HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
CITY	INTERSECTION
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET
COUNTY PROJECT NO.	105583

TYPICAL SECTIONS

SHEET NO.
8

PAY ITEM NOTES

102-1 INCLUDES COST OF SIGNING, SEALING AND PERMITTING TCP PLAN.

120-1 INCLUDES THE PROTECTION OF UTILITIES AND ANY STRUCTURES IN CLOSE PROXIMITY TO EXCAVATION WORK.

425-X & 430-X ALL STRUCTURES INCLUDE APRONS WHEN CALLED OUT IN THE PLANS AND INCLUDES ALL COST FOR DEWATERING, SLEEVES/CASING, SHORING TEMPORARY SUPPORT AND CONTRACTORS MEANS AND METHODS TO MAINTAIN UNINTERRUPTED SERVICE AROUND EXISTING UTILITY FACILITIES DURING INSTALLATION OF DRAINAGE STRUCTURES AND PIPES.

520-1-10 INCLUDES THE COST OF CURB PAD.

522-2 INCLUDES THE COST OF ADJUSTING EXISTING UTILITY BOXES AND PULL BOXES TO THE NEW GRADE. CONCRETE STRENGTH REQUIREMENT FOR THIS PAY ITEM IS FC-3,000 PSI. THIS PAY ITEM INCLUDES THE COST OF CONSTRUCTION OF RAAPS AND DETECTABLE WARNING SURFACES AS INDICATED ON THE PLANS.

590-70 INCLUDES ADJUSTING AND REPLACING DAMAGED IRRIGATION COMPONENTS DURING MEDIAN CONSTRUCTION AND RE-GRADING SWALES.

ALL CONTINGENCY ITEMS SHALL BE USED AT THE DISCRETION OF THE COUNTY


REVISIONS		<div>WILLIAM AVILES, P.E. P.E. NO.: 72351 RSGM, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA No. #EB0005620</div>	<div><div><div><div>BR</div><div>OWNARD</div></div><div><div>COUNTY</div><div>FLORIDA</div></div></div></div>	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION							50-1
				CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 6101-33.004, F.A.C.

SUMMARY OF SIDEWALK & DETECTABLE WARNING SURFACES										
LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 6"		DETECTABLE WARNING SURFACES		DESIGN NOTES	CONSTRUCT ION REMARKS
					522-2 SY		527-2 SF			
					PLAN	FINAL	PLAN	FINAL		
25+09.80 TO 25+21.77	RT				7.2					
25+31.14 TO 25+60.75	RT				20.5					
32+52.59 TO 32+68.53	RT				5.1					
32+92.93 TO 32+95.14	RT				4.5					
32+35.58 TO 32+59.11	RT				14.7					
32+83.24 TO 32+74.69	RT				5.1					
32+83.15 TO 34+05.85	RT				9.9					
32+20.11 TO 32+67.47	LT				31.7					
25+16.67 TO 25+20.91	RT						10.6			
25+35.78 TO 25+41.24	RT						11.0			
25+40.58 TO 25+47.58	RT						9.0			
32+54.72 TO 32+65.27	RT						18.1			
32+94.03 TO 32+00.84	RT						12.2			
32+42.58 TO 32+51.89	RT						14.7			
32+85.58 TO 32+72.09	RT						17.7			
32+85.45 TO 32+95.38	RT						16.0			
26+23.96 TO 26+27.96	RT						8.0			
26+43.05 TO 26+46.56	RT						8.4			
32+53.99 TO 32+56.04	LT						15.3			
SUB-TOTAL					98.7		139.1			
5% CONTINGENCY					4.9					
TOTAL					103		139			

SUMMARY OF EARTHWORK					
PAY ITEM NO.	BOE PAY ITEM	PAY ITEM DESCRIPTION	CY		CONSTRUCTION REMARKS
			PLAN	FINAL	
120-1	01-27	REGULAR EXCAVATION	1564		

SUMMARY OF PERFORMANCE TURF							
LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 570-1-2 SY		CONSTRUCTION REMARKS
					PLAN	FINAL	
25+42.40 TO 32 59.39	RT				278.7		
32+92.02 TO 32+46.80	RT				20.3		
32+92.52 TO 36 06.91	RT				47.7		
24+67.90 TO 26+30.18	LT				124.4		
SUB-TOTAL					469.7		
TOTAL					469.7		


REVISIONS		WILLIAM AVILES, P.E. P.E. NO.: 72351 RSM, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			SHEET NO. SQ-2
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.	
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583	
SUMMARY OF QUANTITIES							

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

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS																
PAY ITEM NO.	BOE PAY ITEM	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			STA. TO	STA.				GROSS LENGTH/AREA	DEDUCTIONS TYPE	NET LENGTH		PLAN	FINAL			
										LENGTH	FINAL					
520-1-10	01-137	CONCRETE CURB & GUTTER, TYPE F	25+40.72	TO 25+21.77	RT		LF	20.9			29		1660			
			25+31.14	TO 32+71.28	RT		LF	748.6			749					
			33+91.33	TO 33+59.24	RT		LF	96.7			97					
			33+76.84	TO 36+48.10	RT		LF	310.3			310					
			24+67.90	TO 28+30.18	LT		LF	369.8			390					
			31+18.11	TO 31+26.79	LT		LF	58.7			59					
			33+20.11	TO 33+67.47	LT		LF	47.4			47					
520-2-4	01-138	CONCRETE CURB, TYPE D	28+51.04	TO 29+00.98	RT		LF	50.7			51		51			
520-5-41	01-141	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4" WIDE	32+39.03	TO 33+06.97	RT		LF	67.9			68		68			
520-70	01-142	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	25+86.19	TO 28+51.04	RT		SY	80.8			81		81			

SUMMARY OF PAVEMENT															
PAY ITEM NO.	BOE PAY ITEM	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENG TH	WIDT H	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			STA. TO	STA.						DESCRIPTION	PLAN	FINAL	PLAN		
160-4	01-32	TYPE B STABILIZATION (12")	25+36.05	TO 36+48.10	RT				SY	1573.2		1836			
			24+88.19	TO 28+67.51	RT				SY	89.1					
			29+40.03	TO 29+77.51	RT				SY	11.1					
			24+67.90	TO 28+30.18	LT				SY	181.1					
285-709	01-36	THICK LIMEROCK OPTIONAL BASE, BASE GROUP 09 (10")	25+36.05	TO 36+48.10	RT				SY	1573.2		1873			
			24+88.19	TO 29+50.18	RT				SY	118.5					
			24+67.90	TO 28+30.18	LT				SY	181.1					
327-70-1	01-40	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	24+67.90	TO 28+58.00	RT/LT				SY	2502.3		2502			
327-70-8		MILLING EXIST ASPH PAVT, 2 1/2" AVG DEPTH	28+58.00	TO 36+50.67	RT/LT				SY	4872.9		4873			
334-1-13	01-43	SUPERPAVE ASPHALTIC CONC. TRAFFIC C. (1 1/2")	28+58.00	TO 36+50.67	RT/LT				TN	402.0		422			
		5% CONTINGENCY AT THE DIRECTION OF THE ENGINEER								20.1					
334-1-13	01-43	SUPERPAVE ASPHALTIC CONC. TRAFFIC C. (2")	25+36.05	TO 36+48.10	RT				TN	173.27		210			
			24+88.19	TO 28+67.51	RT				TN	12.82					
			24+67.90	TO 28+30.18	LT				TN	19.92					
		5% CONTINGENCY AT THE DIRECTION OF THE ENGINEER								10.3					
337-7-82	01-45	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C. FC-9.5, PG 78-22 (1")	25+36.05	TO 36+50.67	RT/LT				TN	240.6		253			
		5% CONTINGENCY AT THE DIRECTION OF THE ENGINEER								12.0					

REVISIONS		WILLIAM AVILES, P.E. P.E. NO.: 72351 RSGH, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #E80005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			SUMMARY OF QUANTITIES	SHEET NO. SQ-3
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

SUMMARY OF UTILITY ADJUSTMENTS										
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STATION	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
					P	F	P	F		
425-5	MANHOLE, ADJUST	26+01.83	RT	EA	1					
		26+10.52	RT	EA	1					
		26+57.35	RT	EA	1					
		27+76.47	RT	EA	1					
		28+69.28	LT	EA	1					
		28+95.40	RT	EA	1		11			
		33+22.74	RT	EA	1					
		33+39.00	LT	EA	1					
		35+60.89	LT	EA	1					
		35+68.55	RT	EA	1					
		36+26.02	LT	EA	1					
425-5	VAULT, ADJUST	27+31.60	LT	EA	1		3			
		30+01.37	LT	EA	1					
		31+92.54	LT	EA	1					
425-6	VALVE BOXES, ADJUST	36+09.10	RT	EA	1		3			
		36+30.43	RT	EA	1					
		36+46.86	RT	EA	1					
1080-2160	UTILITY FIXTURE, VALVE, REMOVE	26+83.16	LT	EA	1		1			
1644-800	FIRE HYDRANT RELOCATE	24+94.03	LT	EA	1		2			
		36+30.40	RT	EA	1					
1644-900	FIRE HYDRANT REMOVE	26+80.51	LT	EA	1		1			

TO BE
CONSTRUCTED
BY COUNTY

REVISIONS DATE DESCRIPTION		WILLIAM AVILES, P.E. P.E. NO.: 72351 RS&H, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA No. #B00005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION CITY INTERSECTION COUNTY PROJECT NO. FORT LAUDERDALE EISENHOWER BLVD AND SE 17TH STREET 105583	SUMMARY OF QUANTITIES SHEET NO. SQ-4
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SUMMARY OF DRAINAGE STRUCTURES

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL MATERIAL			FRENCH DRAIN	TRENCH DRAIN	CURB INLET		PARTIAL MANHOLES	MANHOLES	MODIFY EXISTING DRAINAGE STRUCTURE	REMARKS
						ROUND SHAPE					TYPE I	J-6	J-9	7	7	
						12"	15"	18"								
P	S-1	25+54.63	RT	INLET, PIPE	1			101"	24"		<10'	<10'	<10'	<10'	EA	4.0' X 4.0' BOTTOM
F																
P	S-2	26+02.07	RT	PIPE, INLET, PIPE, PIPE	1	4'	4'	4'				1				4.0' X 6.0' BOTTOM, THREE CONC. COLLARS
F																
P	S-3	26+59.28	LT	TD, PIPE, PARTIAL MANHOLE, MODIFY	1					46'			1		1	CORE DRILL 8" PVC PIPE, CORE DRILL 12" PIPE, 5 LF OF 8" PVC
F																
P	S-4	26+60.05	RT	MANHOLE, PIPE	1		4'							1		4.0' X 4.0' BOTTOM WITH CONC. COLLAR
F																
P	S-5	26+60.06	RT	INLET, PIPE	1			8'				1				4.0' X 4.0' BOTTOM
F																
P	S-6	27+77.34	RT	PARTIAL MANHOLE, MODIFY									1		1	CORE DRILL 18" PIPE
F																
P	S-7	27+77.38	RT	INLET, PIPE	1			8'				1				4.0' X 4.0' BOTTOM
F																
P	S-8	33+09.77	RT	MANHOLE, PIPE	1		4'							1		4.0' X 4.0' BOTTOM WITH CONC. COLLAR
F																
P	S-9	33+09.76	RT	INLET, PIPE, FRENCH DRAIN	1			8'	268"				1			4.0' X 7.0' BOTTOM WITH TYPE I SKIMMER
F																
P	S-10	35+77.69	RT	PIPE, MANHOLE, PIPE	1			12'						1		4.0' X 4.0' BOTTOM WITH CONC. COLLAR
F																
P	S-11	35+81.28	RT	INLET, PIPE	1			4'					1			6.0' X 11.5' BOTTOM WITH TYPE I SKIMMER, CONC. COLLAR
F																
TOTALS						4'	12'	145'	268"	46'	1	5	2	3	2	
PLAN QUANTITY																
FINAL QUANTITY																

TO BE
CONSTRUCTED
BY COUNTY

REVISIONS	
DATE	DESCRIPTION

AYLIN COSTA, P.E.
P.E. NO.: 69865
RS&H, INC.
3125 W. COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA No. #EB0005620



PUBLIC WORKS DEPARTMENT
HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
CITY: FORT LAUDERDALE
INTERSECTION: EISENHOWER BLVD AND SE 17TH STREET
COUNTY PROJECT NO.: 105583

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO.
9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G13-23.004, F.A.C.

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SURVEY

1. THERE MAY BE ADDITIONAL EASEMENTS, RIGHT-OF-WAY, OR OTHER RESTRICTIONS THAT ARE NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF BROWARD COUNTY.
2. THE CONTRACTOR SHALL CAREFULLY PROTECT FROM DISTURBANCE ALL SURVEY MONUMENTS, STAKES AND BENCH MARKS. ALL MAJOR SURVEY MONUMENTS THAT HAVE BEEN DAMAGED BY THE CONTRACTOR, INCLUDING SECTION CORNERS, 1/4 SECTION CORNERS, PROPERTY CORNERS OR BLOCK CONTROL POINTS SHALL BE REPLACED UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR AND MAPPER AT THE CONTRACTOR'S EXPENSE WITH MARKERS OF A SIZE AND TYPE APPROVED BY THE SURVEYOR.
3. DATA SOURCES: HORIZONTAL DATUM - NAD83/90, VERTICAL DATUM - NAVD83.

UTILITIES

1. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS IS BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
2. IT IS THE INTENT OF THESE PLANS THAT THE PROPOSED EQUIPMENT TO BE INSTALLED IS TO BE PLACED IN SUCH A MANNER SO AS TO TOTALLY AVOID ANY CONFLICTS WITH EXISTING UTILITIES ALONG THE ROUTE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION TO PLAN THEIR WORK WITHIN THE DESIGN OR SPECIFIED PARAMETERS, AND THE SPECIFIED TIME FRAME. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL ABOVEGROUND AND UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES.
3. THE CONTRACTOR SHALL USE HAND EXCAVATION METHODS WHEN EXCAVATING NEAR EXISTING UTILITIES, OR WHERE HAND-DIGGING IS SPECIFIED ON THE PLANS. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK. EXTREME CAUTION SHALL BE USED BY THE CONTRACTOR WHEN EXCAVATING, INSTALLING, BACKFILLING AND COMPACTING AROUND EXISTING UTILITIES.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION, REPAIR AND/OR REPLACEMENT OF ALL UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL COORDINATE WITH FPL AND FIELD VERIFY LOCATION(S) OF FPL SERVICE POINT PRIOR TO INSTALLING CONDUIT, DISCONNECT, AND PULL BOXES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE COMPANY PROVIDING ELECTRICAL POWER TO DETERMINE IF A SERVICE PROCESSING FEE IS REQUIRED. IF REQUIRED, THE FEE SHALL BE REFLECTED IN THE CONTRACTOR'S BID UNIT PRICE FOR ELECTRICAL POWER SERVICE ASSEMBLY.
7. THE CONTRACTOR IS ADVISED THAT THE PRESENCE OF OVERHEAD ELECTRIC CONDUCTORS IN CLOSE PROXIMITY TO THE LOCATIONS OF THE PROPOSED SIGN STRUCTURE MAY LIMIT THE TYPE OF EQUIPMENT THAT CAN BE USED IN CONSTRUCTION OF THE SIGN STRUCTURE AND ITS FOUNDATION. CONTRACTOR SHALL COORDINATE WITH FPL TO DEACTIVATE LINES IF NECESSARY.
8. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (1-800-432-4770) AND UTILITY OWNERS LISTED BELOW TWO (2) BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE. A CONTRACTOR'S REPRESENTATIVE SHALL BE PRESENT WHEN THE UTILITY COMPANY LOCATES THEIR FACILITIES. THE LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR AND THE UTILITY REPRESENTATIVE WHEN NECESSARY DURING CONSTRUCTION.

UTILITY AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE #
AT&T FLORIDA DISTRIBUTION	DINO FARRUGGIO	(561) 997-0240
BROWARD COUNTY DES	ROBERT BLOUNT	(954) 847-2745
BROWARD COUNTY PORT EVERGLADES DEPT.	JOSE ROJAS	(954) 468-0156
CITY OF FORT LAUDERDALE	CRAIG BARRETT	(954) 828-5675
COMCAST CABLE	LEONARD MAXWELL-NEUBOLD	(754) 221-1254
CROWN CASTLE	WILLIAM FIBERDIE TEAM	(800) 632-0931
FLORIDA POWER & LIGHT	JOEL BRAY	(386) 596-4403
MAYTEC INC	RICKIE QUINN	(305) 599-1800
MPLY TERMINALS LLC-MARATHON PETROLEUM	ANDY LESTER	(954) 525-4717
TECO PEOPLE GAS	JOAN DOWNING	(813) 275-3783

GENERAL

1. UNLESS OTHERWISE NOTED IN THE TECHNICAL SPECIFICATIONS: INSTALLATION, ACCEPTANCE, AND PAYMENT FOR ALL ITEMS REQUIRED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING, REFERENCED IN THE KEY SHEET: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, BROWARD COUNTY MINIMUM STANDARDS, BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS AND SPECIFICATIONS, AND ANY OR ALL BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) REQUIREMENTS THAT MEET OR EXCEED THOSE FOUND IN THE ABOVE REFERENCED DOCUMENTS.
2. UNLESS OTHERWISE NOTED, ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN, INCLUDING LOOP ASSEMBLIES, ARE ASSUMED TO BE IN GOOD WORKING ORDER UNLESS BCTED IS NOTIFIED IN WRITING PRIOR TO THE START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
4. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
5. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THOSE LOCATIONS.
6. THE REMOVAL OF CONCRETE CURB & GUTTER AND FLEXIBLE PAVEMENT IN AREAS BEYOND THE LIMITS OF CLEARING AND GRUBBING WHICH IS NECESSARY FOR THE PROPER CONSTRUCTION OF THE PROPOSED IMPROVEMENTS IS INCIDENTAL TO THE COST OF THE IMPROVEMENT.

7. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE CONTRACTOR SHALL COORDINATE ANY AND ALL CONSTRUCTION ACTIVITIES AND TRAFFIC CONTROL PHASES WITH ANY CONTRACTOR WITHIN OR ADJACENT TO PROJECT LIMITS.
8. NOTHING IN THE PROJECT NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENCES ALONG THE PROPOSED CONSTRUCTION AREA.
9. OFFSETS TO POLES, CABINETS AND PULL BOXES ARE TO THE CENTER OF THOSE ITEMS. THE LOCATION OF ALL PROPOSED EQUIPMENT TO BE INSTALLED SHALL BE CONSIDERED TO BE APPROXIMATE. FIELD ADJUSTMENT OF ALL PROPOSED EQUIPMENT MAY BECOME NECESSARY TO ACCOMMODATE EXISTING FIELD CONDITIONS. VARIATIONS FROM THE PROPOSED LOCATION MUST BE PRE-APPROVED BY THE ENGINEER OF RECORD IN WRITING.
10. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OR THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD PRIOR TO ANY FURTHER WORK ACTIVITY.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EACH INTERSECTION CONSTRUCTION SITE IN A SAFE, NEAT, AND PRESEABLE CONDITION; CLEAR OF ALL TEMPORARY STRUCTURES AND SURPLUS MATERIALS, RUBBISH, BROKEN CONCRETE, MISCELLANEOUS CONDUIT, REINFORCING STEEL, SHARP OBJECTS, ETC. AND LEAVE THE SITE IN AN UNOBSTRUCTED CONDITION EACH DAY SO PEDESTRIANS, BICYCLISTS, AND MOTORISTS ARE NOT ENDANGERED OR PRESENTED WITH CONDITIONS THAT COULD CAUSE THEM TO BECOME DISTRACTED OR CONFUSED. CONTRACTOR SHALL COMPLETELY REPLACE AND RESTORE EACH INTERSECTION SITE TO THE DESIGN CRITERIA PROFESSIONAL'S SATISFACTION AND ALL SUCH DAILY CONSTRUCTION SITE MAINTENANCE SHALL BE INCLUDED IN THE TOTAL CONTRACT PRICE. THE CONTRACTOR SHALL DAILY BACKFILL ALL SIDEWALK DROP-OFFS AS SITE MAINTENANCE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DISTURBED WORK AREA TO THE SAME, OR BETTER, CONDITION THAN AT THE START OF CONSTRUCTION. SUCH PROPERTY RESTORATION SHALL INCLUDE, BUT IS NOT LIMITED TO, LANDSCAPING, DRIVEWAYS, MAILBOXES, WALKWAYS, WALLS, PAVERS, CURBS, GUTTERS, SIDEWALKS, WALLS, SODDING, FENCES, FOOTINGS, PAVEMENT, LIGHTING, REMOVAL ITEMS, PAVEMENT MARKINGS, UNDERGROUND UTILITIES, DRAINAGE FACILITIES, AND TRAFFIC AND STREET SIGNS. IF THERE ARE ANY QUESTIONS OR DISCREPANCIES, THE PRE-CONSTRUCTION VIDEO WILL BE USED TO DETERMINE THE CONDITIONS AT THE START OF CONSTRUCTION. HOWEVER, AN EXISTING CONDITION DOES NOT ALLEVIATE THE RESPONSIBILITY OF THE CONTRACTOR TO REMEDY THE CONDITION IF THE WORK IS DETERMINED TO BE A PART OF THIS PROJECT.

STRUCTURES

1. THE CONTRACTOR SHALL VERIFY STRUCTURE ORIENTATION PRIOR TO PLACEMENT. STRUCTURES OF INCORRECT ORIENTATION SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL VERIFY THAT ALL STRUCTURES AND FOUNDATIONS ARE SET TO ELEVATIONS THAT WILL MEET GRADING REQUIREMENTS AT SIDEWALKS AND SLOPES, AND VERTICAL CLEARANCE REQUIREMENTS SPECIFIED IN FDOT, HUTC, AND COUNTY STANDARDS PRIOR TO INSTALLING STRUCTURAL MATERIAL. IF A DISCREPANCY IS FOUND, CONTACT THE ENGINEER OF RECORD.

INSPECTIONS

1. ALL FINAL INSPECTIONS ARE TO BE SCHEDULED IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL CONTACT THE FDOT PLANNING DEPARTMENT TRAFFIC ENGINEER NO LESS THAN FIVE (5) FULL WORKING DAYS PRIOR TO CUTTING THE INDUCTIVE LOOPS INTO THE STRUCTURE COURSE, IN ORDER TO PERFORM A FINAL INSPECTION PRIOR TO FINAL ACCEPTANCE. CONTACT KARA SCHWARTZ AT (954) 777-4364 OR EMAIL AT KARA.SCHWARTZ@DOT.STATE.FL.US.
3. CONTRACTOR SHALL HAVE THE APPROVED SHOP DRAWINGS AVAILABLE ON THE PROJECT SITE.
4. ALL WORK WHICH WILL NOT BE READILY VISIBLE UPON COMPLETION SHALL NOT BE CONCEALED UNTIL AN APPROVED INSPECTION. IN THE EVENT THAT ITEMS ARE CONCEALED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO EXPOSE THE QUESTIONED ITEM(S) FOR THE INSPECTOR'S APPROVAL AT NO ADDITIONAL COST TO THE COUNTY. THIS INCLUDES BUT IS NOT LIMITED TO:
 - BURIED OR IMBEDDED CONDUIT
 - GROUND WIRE, RODS, AND ARRAY
 - COMMUNICATIONS WIRING AND HOMERUNS
 - SPLICES BEFORE ENCAPSULATING
 - ALL NEG OHM AND CONTINUITY TESTING SHALL BE DONE IN THE PRESENCE OF THE COUNTY INSPECTOR
5. THE APPLICATION OF THE FOLLOWING MATERIALS TO VARIOUS TRAFFIC SIGNAL COMPONENTS SHALL BE PERFORMED DURING ASSEMBLY:
 - THREADED HARDWARE: ALL NON-ELECTRICAL THREADED HARDWARE (I.E. ASTRO BRACKET HARDWARE, POLE HARDWARE OR ANY THREADED SURFACES) SHALL BE COATED WITH AN ANTI-SEIZE LUBRICANT APPROVED BY THE ENGINEER OF RECORD. NO SPRAY ON ANTI-SEIZE COMPOUND WILL BE ACCEPTED.
 - GASKETING SURFACES: ALL GASKET SURFACES SHALL BE LIGHTLY COATED WITH COUNTY APPROVED SILICONE GREASE.
 - ELECTRICAL CONNECTIONS: ALL MECHANICAL/ELECTRICAL CONNECTIONS SHALL HAVE THE VARIOUS COMPONENTS OF THE SPLICE OR TERMINATION COATED WITH A COUNTY APPROVED OXIDE INHIBITOR.
 - GALVANIZED SURFACES: ALL SCRATCHES AND FIELD-DRILLED HOLES SHALL BE TREATED IN ACCORDANCE WITH THE 'MAST ARM PAINT SPECIFICATION' PROVISIONS AS POSTED ONLINE AT THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION PUBLICATIONS WEBSITE AT <http://www.broward.org/traffic/Pages/Publications.aspx>
 - WEATHERPROOFING: IRREGULAR MATING SURFACES SHALL BE RENDERED WEATHERPROOF BY APPLYING AN APPROPRIATE BEAD OF CLEAR SILICONE CAULK. THESE AREAS INCLUDE SERRATED SIGNAL COUPLINGS, CONTROLLER CABINET FOUNDATION, PEDESTRIAN PUSH BUTTONS, AND ANY OTHER AREAS TYPICALLY PRONE TO MOISTURE INFILTRATION.
 - CABLE ENTRY/EXIT: WHENEVER A CABLE ENTERS OR EXITS A FIELD DRILLED HOLE, THE CABLE SHALL BE PROTECTED FROM ABRASION WITH AN APPROVED MEANS.
6. IN AN INSPECTION, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT INCLUDING A TWO PERSON BUCKET TRUCK OR PLATFORM LIFT TRUCK FOR USE BY THE INSPECTOR AND MAINTENANCE STAFF.

REVISIONS

DATE	DESCRIPTION

WILLIAM AVILES, P.E.
P.E. NO. 72351
RS&H, INC.
3125 W. COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA NO. #E80005620



PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

GENERAL NOTES

SHEET
NO.

11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61051-23.004, F.A.C.

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AS-BUILTS

1. THE CONTRACTOR SHALL PROVIDE SIX (6) SETS OF MARKED UP (AS-BUILT) CONSTRUCTION PLANS AND ONE CAD FILE OF SUCH TO THE ENGINEER AND MAINTAINING AGENCY AS DEFINED IN FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 611. SEVEN (7) DAYS PRIOR TO SIGNAL SUBSTANTIAL COMPLETION INSPECTION BY THE MAINTAINING AGENCY, THE CONTRACTOR SHALL BE REQUIRED TO BECOME FAMILIAR WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S INSPECTION PROCEDURE

2. THE CONTRACTOR SHALL SUBMIT A SKETCH TO THE ENGINEER FOR APPROVAL IF THE LOCATION OF ANY HORIZONTAL AND/OR VERTICAL PLACEMENT OF EQUIPMENT VARIES FROM THE DESIGNATED LOCATION OF THE PLAN.

SUBMITTALS

1. ALL SUBMITTAL DATA SHOULD BE SUBMITTED TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, CARE OF SHARON GROSS AT THE OFFICE LISTED BELOW. THE CONTRACTOR SHALL ALLOW FOR 30 DAY TURN AROUND ON SUBMITTALS. EOR IS THE ONLY APPROVAL REQUIRED FOR ALL FOOT PROJECTS.

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION
2300 W COMMERCIAL BLVD
FORT LAUDERDALE, FL 33309

2. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL EQUIPMENT SPECIFICATIONS, SHOP DRAWINGS OR DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THIS PROJECT.

INTERCONNECT NOTES

1. ANY FIBER INTERCONNECT CABLE THAT IS CUT OR DAMAGED DURING CONSTRUCTION MUST BE REPLACED AS AN ENTIRE RUN AND SHALL BE RE-SPLICED WITHIN THE SPLICE CLOSURE AT THE END OF THE RUN. SPLICING OF FIBER INTERCONNECT CABLE BETWEEN SPLICE CLOSURES IS NOT PERMITTED. THE CONTRACTOR SHALL BEAR ALL EXPENSES ASSOCIATED WITH THE INSTALLATION OF THE NEW INTERCONNECT CABLE.

2. THE CONTRACTOR SHALL BE AWARE THAT SYSTEM COMMUNICATIONS INTERCONNECT MAY EXTEND THROUGHOUT THE PROJECT. CABLE RUNS AND/OR CONDUIT, PULL/JUNCTION BOXES, AND ANY OTHER SIGNAL OR OTHER SYSTEMS EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE

3. ANY MATERIAL FURNISHED FOR THE PURPOSES OF: NEW INSTALLATION, REPLACEMENT OR REPAIR OF THE EXISTING COMMUNICATIONS INFRASTRUCTURE SHALL MEET THE STANDARDS AND SPECIFICATIONS OF BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ANY SUPPLIED CONTROLLER CABINET, CONTROLLER, TELEMETRY UNIT, COMMUNICATIONS CABLE, PULL BOX, CONDUIT, TERMINATION DEVICE, JUNCTION BOX, AND COMMUNICATIONS INTERFACE PANEL SHALL COMPLY WITH THE LATEST REQUIREMENTS AS STATED BY BCTED AND SHALL PROVIDE FOR FULL FUNCTIONALITY WITH THE EXISTING BCTED'S AT-SNOW OPERATIONS

SIGNAL GENERAL NOTES

1. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE OF COMMENCEMENT, VIA EMAIL TO TEINSPECTION@BROWARD.ORG. NOTICE SHALL INCLUDE THE DATE OF COMMENCEMENT, LOCATION AND TYPE OF WORK & INFORMATION REGARDING ANY MALFUNCTIONING SIGNAL EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND FILL OUT THE COUNTY'S ACCEPTANCE OF TRAFFIC SIGNAL MAINTENANCE AND TIMING BY CONTRACTOR DURING CONSTRUCTION AND BURN-IN PERIOD FORM LETTER, AVAILABLE AT BCTED, PRIOR TO COMMENCEMENT OF ANY WORK. MAINTENANCE OF THE SIGNAL OPERATION, INCLUDING TIMING ADJUSTMENTS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE COUNTY ISSUES WRITTEN FINAL ACCEPTANCE OF THE INTERSECTION, AT WHICH TIME MAINTENANCE RESPONSIBILITIES ARE PROPERLY TRANSFERRED TO THE COUNTY.

2. APPROVAL OF SHOP DRAWINGS DOES NOT CONSTITUTE A WARRANTY THAT THE SIGNAL EQUIPMENT COMPLIES WITH THE STANDARDS OF THE MAINTAINING AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE PROPOSED SIGNAL EQUIPMENT MEETS THE REQUIREMENTS SPECIFIED IN THE CONTRACT, SPECIFICATIONS AND CONTRACT PLANS.

3. THE CONTRACTOR SHALL COORDINATE A FIELD MEETING WITH THE SIGNAL SUPERVISOR, PRIOR TO REMOVING ANY EXISTING EQUIPMENT. TO DETERMINE WHICH EQUIPMENT SHOULD BE DELIVERED TO BCTED, THE AGREED UPON EQUIPMENT SHALL BE DISASSEMBLED INTO THEIR COMPONENT PARTS, TAGGED AS TO LOCATION, PACKAGED AS NEEDED FOR PROTECTION FROM DAMAGE AND DELIVERED TO:
BROWARD COUNTY TRAFFIC ENGINEERING DIVISION
2300 WEST COMMERCIAL BLVD
FORT LAUDERDALE, FL 33309

ALL SIGNALIZATION EQUIPMENT THAT IS REMOVED AND NOT REQUESTED BY BCTED SHALL BE PROPERLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE IN A MANNER AND LOCATION APPROVED BY THE SIGNAL SUPERVISOR. THE SIGNAL SUPERVISOR IS TO BE CONTACTED AT 954-847-2600 AT LEAST 48 HOURS PRIOR TO DELIVERY. WRITTEN ACKNOWLEDGEMENT OF EQUIPMENT RECEIPT SHALL BE OBTAINED FROM THE SIGNAL SUPERVISOR IN THE FORM OF A SIGNED RECEIPT BEARING THE CONTRACTOR'S LETTERHEAD. THIS ITEMIZED RECEIPT SHALL STATE THAT ALL OF THE EQUIPMENT REMOVED FROM EACH LOCATION WAS RETURNED TO BCTED IN GOOD CONDITION. THE CONTRACTOR SHALL PRESENT THE RECEIPT TO BCTED AT THE TIME OF SIGNAL INSPECTION. ABSENCE OF SUCH RECEIPT SHALL BE RECORDED ON THE PUNCH LIST AS AN ITEM TO BE CORRECTED PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

HAZARDOUS MATERIALS

1. IF SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL IS FOUND ON THE PROJECT OR ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL LEASE OPERATIONS IN THAT AREA IMMEDIATELY NOTIFY THE COUNTY ENGINEER AND PROTECT THE IMMEDIATE AREA OF SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDIATION OF THE MATERIAL IN QUESTION AS NEEDED.

2. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE COUNTY ENGINEER. THE CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO THE EOR. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. THE PROJECT ENGINEER SHALL COORDINATE WITH THE EOR PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIALS. SUCH PRODUCTS DO NOT REQUIRE AN MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT.

DEWATERING

1. THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO BROWARD COUNTY ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION FOR APPROVAL. THE DEWATERING PLAN SHALL BE PREPARED IN ACCORDANCE TO SECTION 27-355(6) TO EVALUATE THE IMPACT OF CONSTRUCTION DEWATERING ON POLLUTION MIGRATION. THE CONTRACTOR SHALL PERFORM DEWATERING ACTIVITIES IN ACCORDANCE WITH THE BROWARD COUNTY ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION'S CONDITIONS TO PROPERLY MANAGE DEWATERING EFFLUENT. PROTECT THE ENVIRONMENT BY NOT CONTAMINATING CLEAN AREAS, PROTECT CONSTRUCTION WORKERS FROM EXPOSURE, AND NOT ADVERSELY AFFECT THE CONTAMINATION PLUME OR CLEANUP EFFORTS.

BROWARD COUNTY TRANSIT

1. BROWARD COUNTY TRANSIT BUS OPERATIONS MAINTAINS A 24 HOURS PER DAY/365 DAYS PER YEAR BUS TRAFFIC CONTROL CENTER AT 954-357-8400 FOR EMERGENCY SITUATION NOTIFICATION.

REVISIONS

DATE	DESCRIPTION

WILLIAM AVILES, P.E.
P.E. NO.: 72351
RS&H, INC.
3125 W. COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA NO. #E00005620



PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

GENERAL NOTES

SHEET
NO.

12

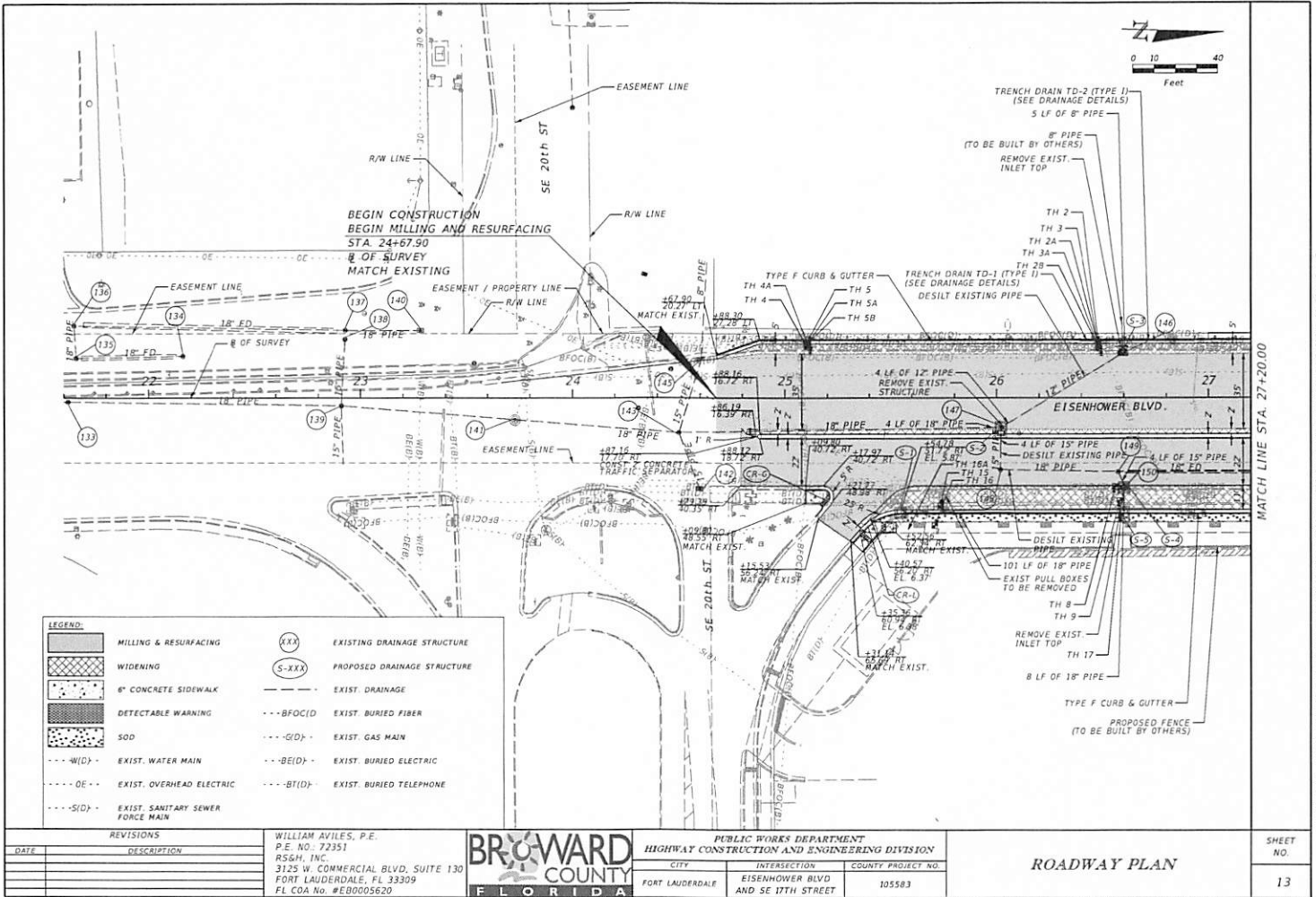
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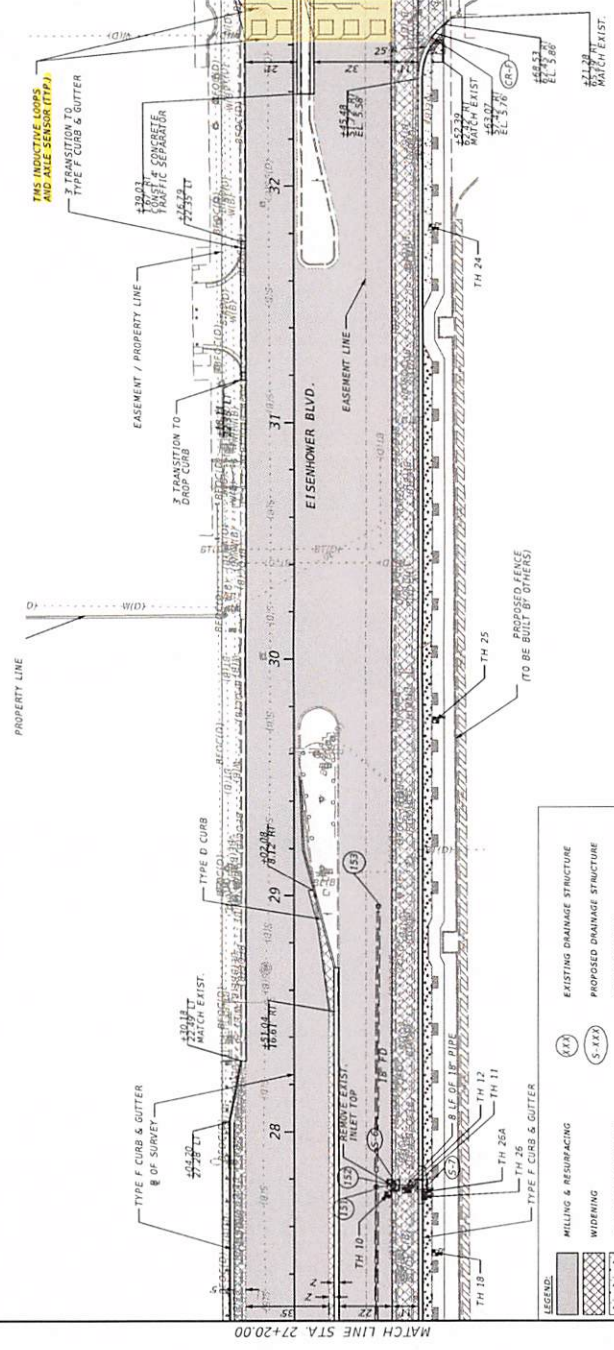
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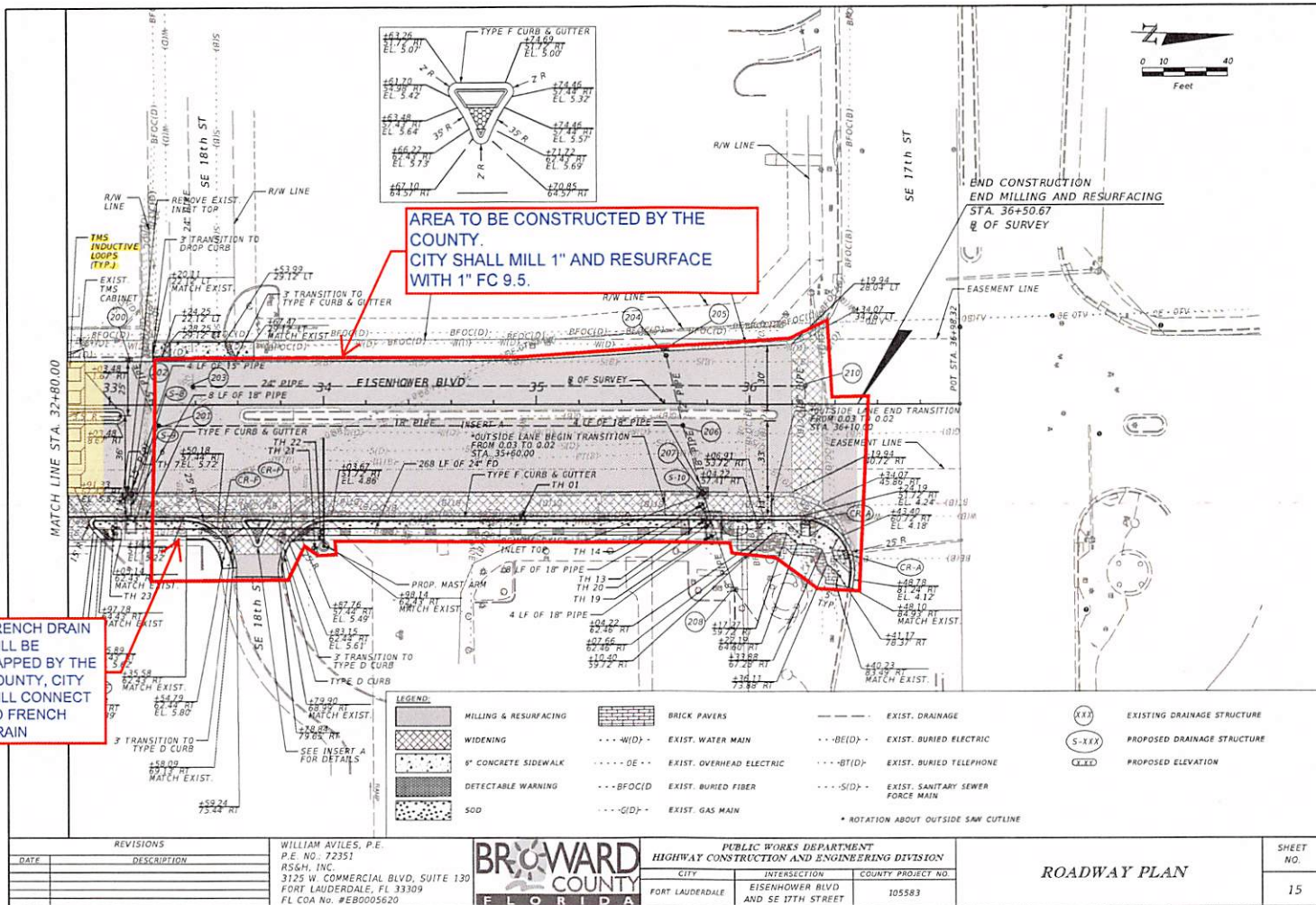




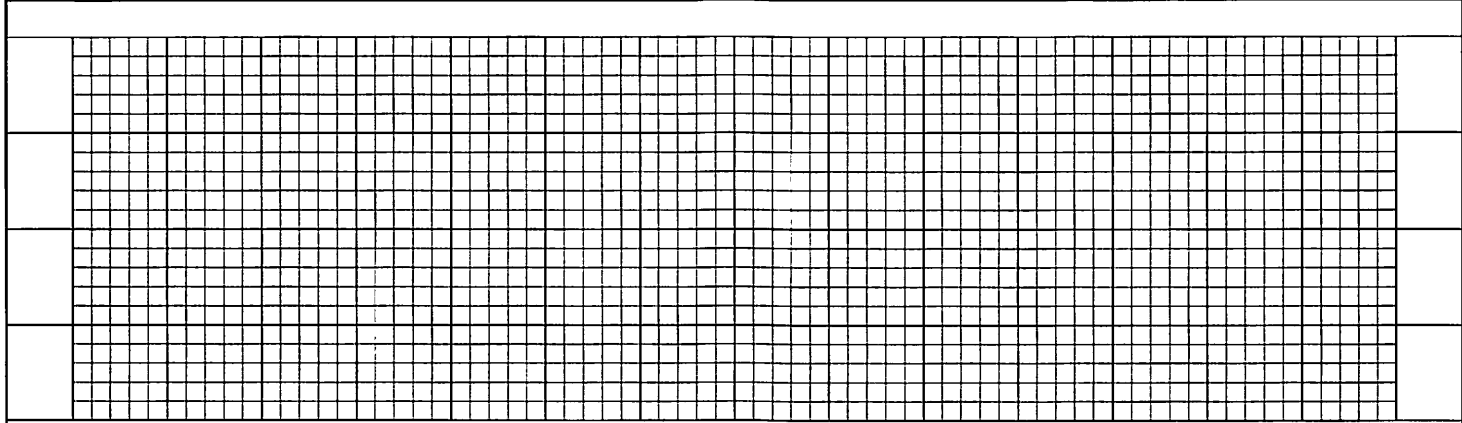
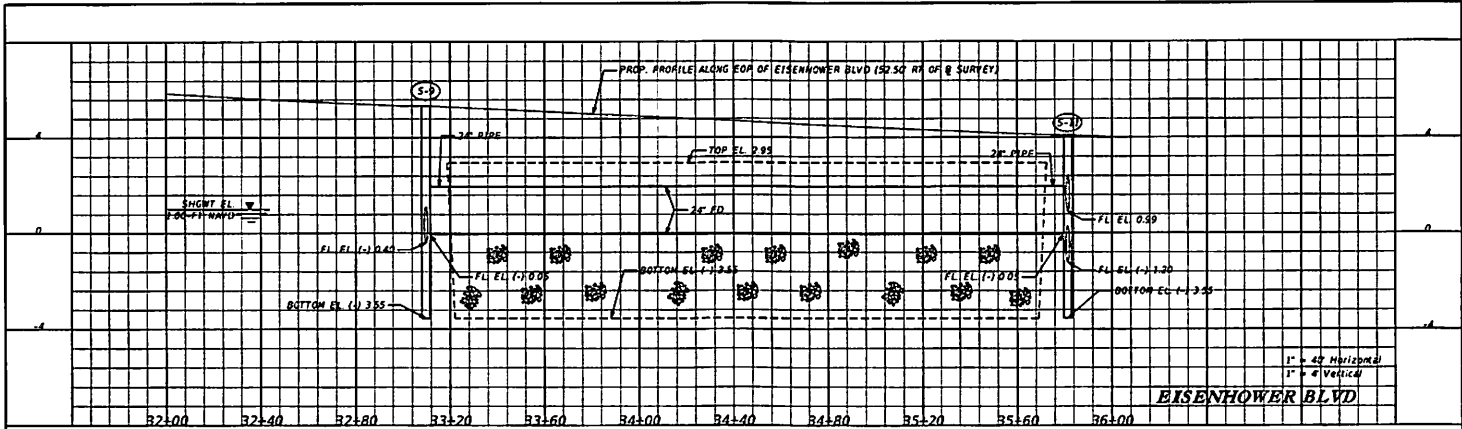
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	DETECTABLE WARNING								EXIST. BURIED FIBER
	SOD								EXIST. GAS MAIN
	EXIST. WATER MAIN								EXIST. BURIED ELECTRIC
	EXIST. OVERHEAD ELECTRIC								EXIST. BURIED TELEPHONE
	EXIST. SANITARY SEWER								
	FORCE MAIN								


REVISIONS		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		ROADWAY PLAN	
DATE	DESCRIPTION	CITY	INTERSECTION	COUNTY PROJECT NO.	SHEET NO.
		PORT LAUDRALE	ELLENHOFF BLVD AND SE 17TH STREET	105583	14
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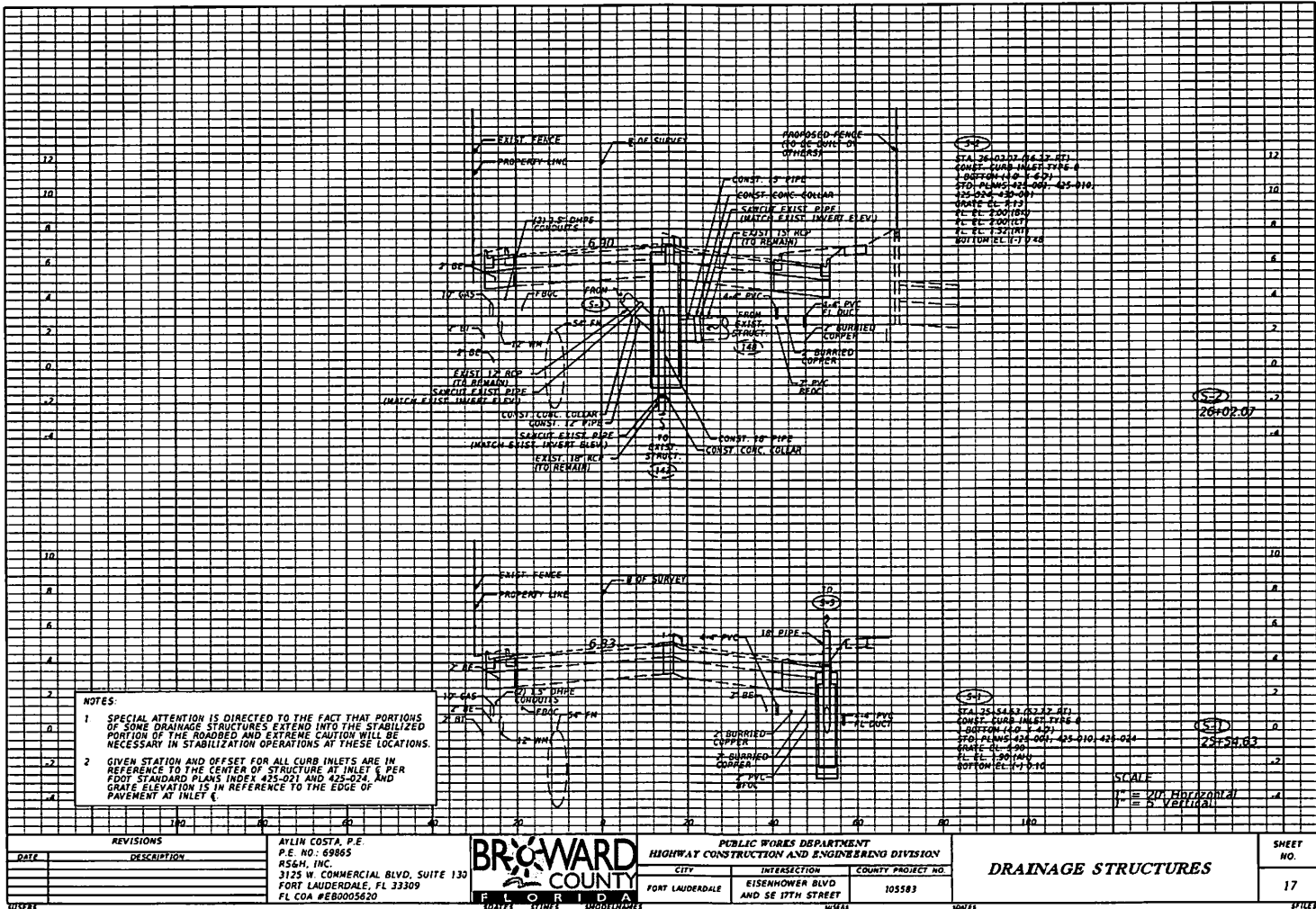


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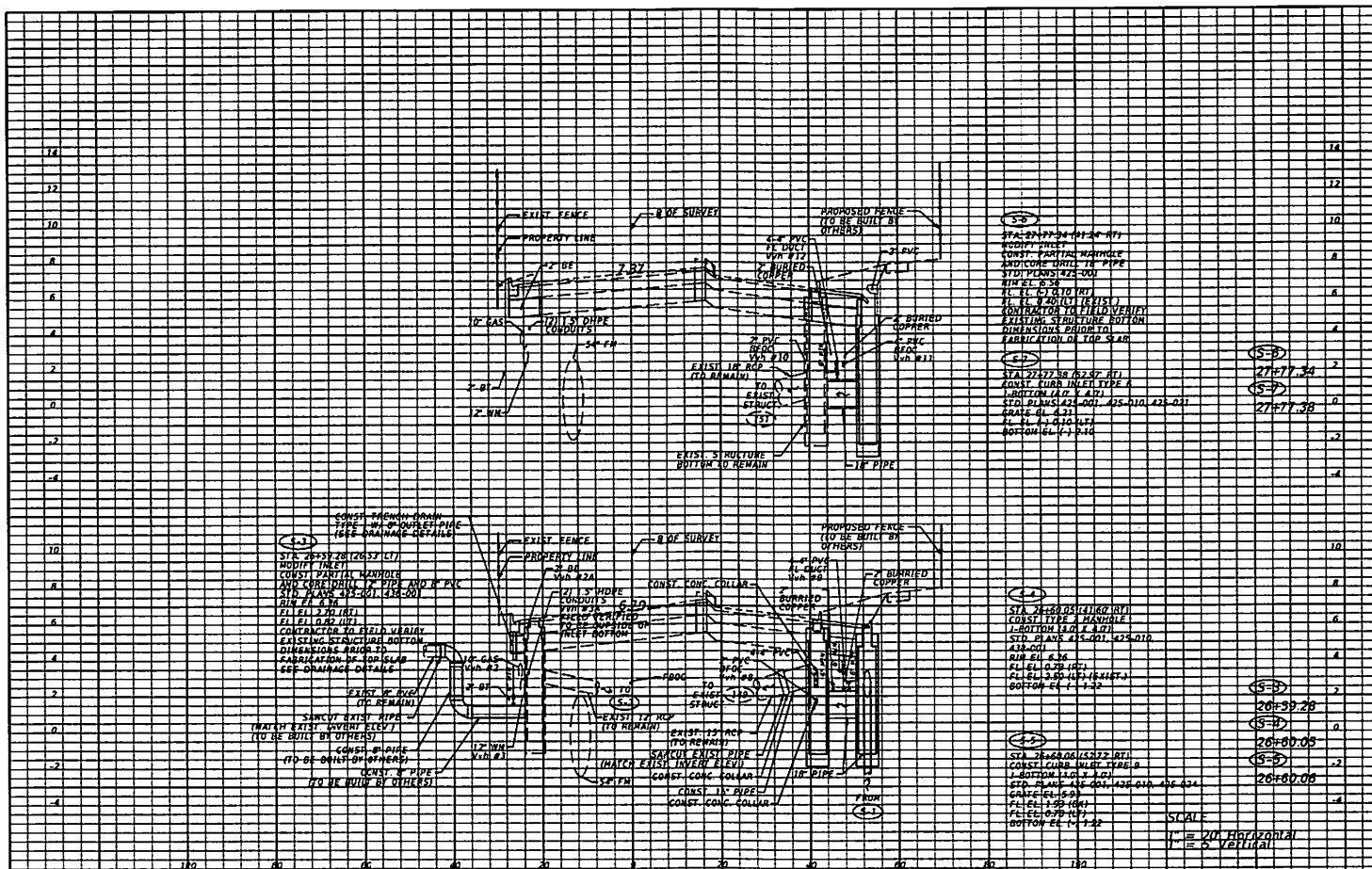
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DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO	
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	103563	

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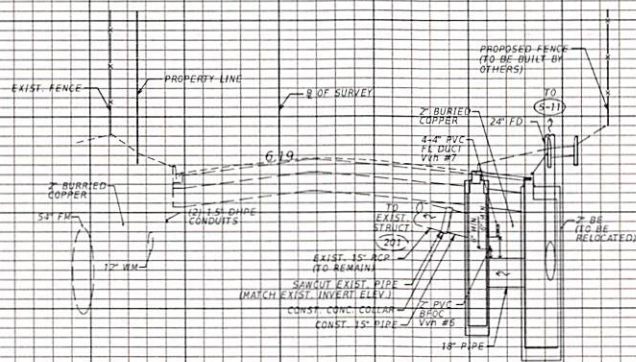
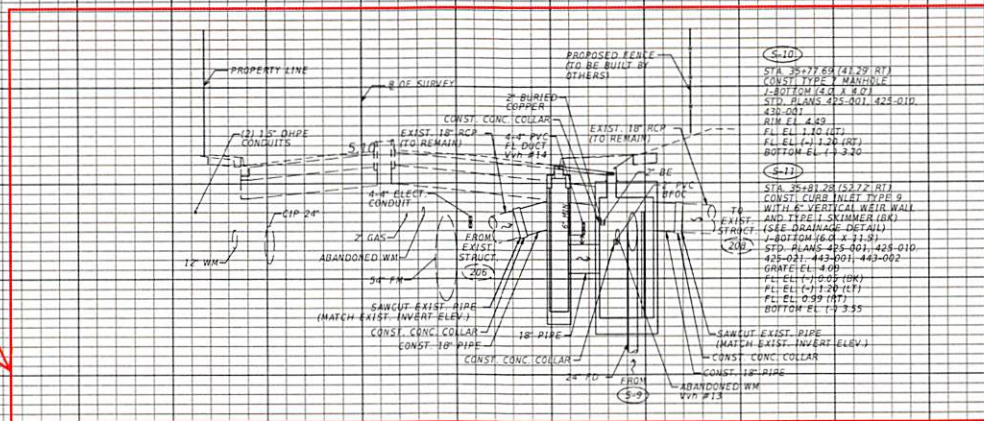
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DATE	DESCRIPTION			CITY	INTERSECTION			COUNTY PROJECT NO.
				PORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET			103583



REVISIONS DATE DESCRIPTION		AT/LIN COSTA, P.E. P.E. NO. 69065 RSM&I, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA #EB0005620	 BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION CITY INTERSECTION COUNTY PROJECT NO. FORT LAUDERDALE EISENHOWER BLVD AND SE 17TH STREET 105583	DRAINAGE STRUCTURES	SHEET NO. 18
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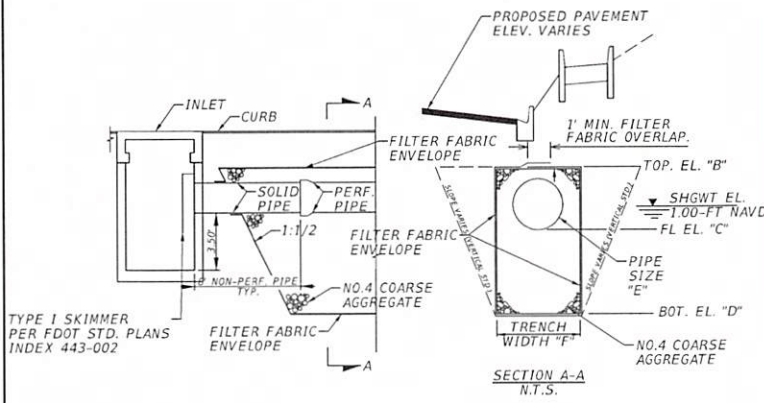
TO BE
CONSTRUCTED
BY COUNTY



SCALE
1" = 20' Horizontal
1" = 5' Vertical

REVISIONS		AYLIN COSTA, P.E. P.E. NO.: 69865 RSSM, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA #E80005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			DRAINAGE STRUCTURES	SHEET NO. 19
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

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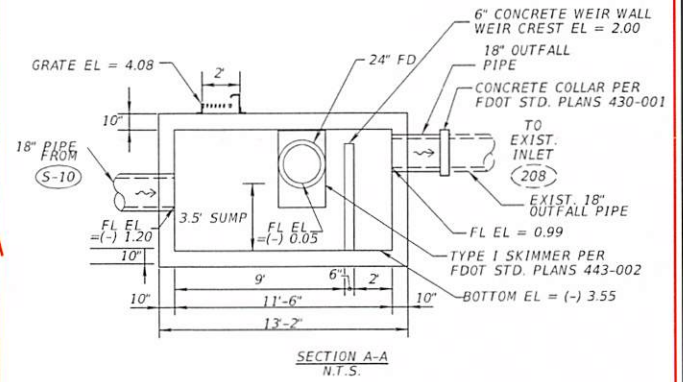
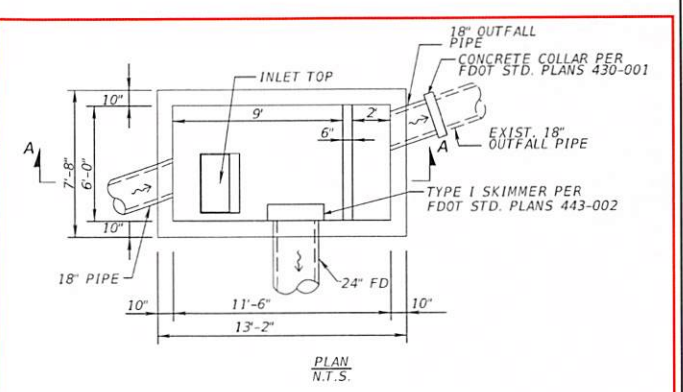


FRENCH DRAIN
TRENCH AND STRUCTURE DETAIL S-9
N.T.S.

*NOTE: REFER TO FDOT STD. PLANS 443-001 FOR ADDITIONAL INFORMATION

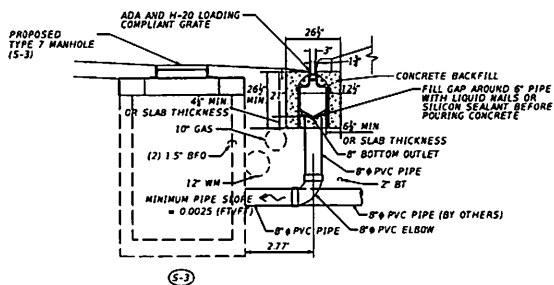
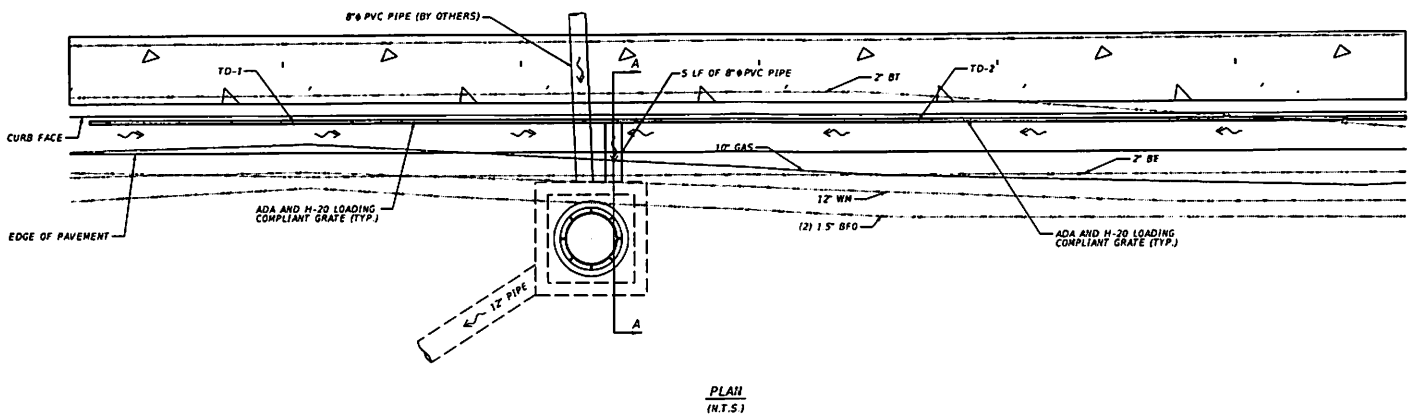
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S-11	2.95	(-) 0.05	(-) 3.55	24"	6.00'	

STRUCTURE
S-11 TO BE
CONSTRUCTED
BY COUNTY



FRENCH DRAIN
CONTROL STRUCTURE DETAIL S-11
N.T.S.

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SECTION A-A
(N.T.S.)

TRENCH DRAIN TD-2 (TYPE 1) DETAIL
(N.T.S.)

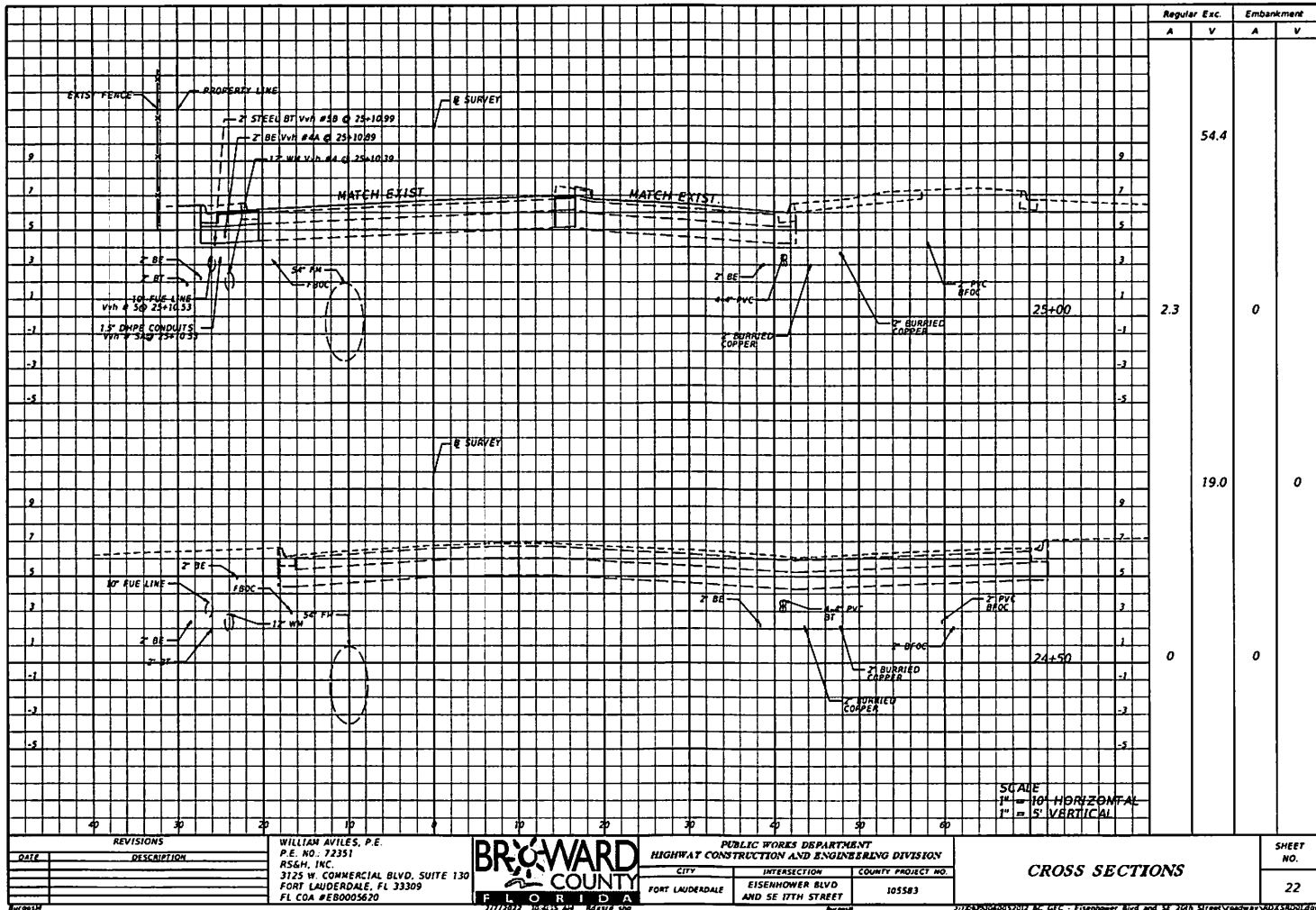
SUMMARY OF TRENCH DRAIN											
TRENCH NO.	LOCATION (E)	BEGIN STATION	END STATION	OFFSET (FT)	SIDE (RT/LT)	GRATE SIZE (IN)	DISCHARGE PIPE DIA. (IN)	LENGTH (FT)	STRUCTURE	FLOW (CFS)	
TD-1	EISENHOWER BLVD	26+41.60	26+59.60	26.54	LT	1.75	(1) 8	18.00	--	S-3	0.51
TD-2	EISENHOWER BLVD	26+59.60	26+87.60	26.54	LT	1.75		28.00	--	S-3	1.23

TRENCH DRAIN NOTES:

- REFER TO STANDARD PLANS INDEX NO. 435-001 FOR MORE INFORMATION.
- TRENCH DRAIN SHALL BE 2888-12 AND 2888-18 LLOPE MANUFACTURED BY ZURN INDUSTRIES OR APPROVED EQUAL.
- CHANNELS SHALL BE 60" LONG, 2888-12 (14-1/4" DEEP AND 12" WIDE); OR 2888-18 (21" DEEP AND 12" WIDE); HAVE A 1.75" WIDE THROAT AND HAVE SPACER BARS AT 5" INTERVALS. MODULAR CHANNEL SECTIONS SHALL BE MADE OF LINEAR LOW DENSITY POLYETHYLENE (LLDPE). DRAIN SHALL HAVE TONGUE-AND-GROOVE INTERLOCKING ENDS FOR POSITIVE MECHANICAL JOINT. CHANNEL HAS A SMOOTH 2.5 RADIUS BOTTOM WITH A SMOOTH 0.011 MANNING'S COEFFICIENT, AND NEUTRAL NON-SLOPING BODY.
- GRATE SHALL BE 3" WIDE (1.75" THROAT) AND SHALL BE AVAILABLE WITH A CHOICE OF PEDESTRIAN, BICYCLE, FAH, AND/OR H-20 GRATES. INTEGRAL TOP FRAME IS NON REMOVABLE AND IS THE FINISH AT THE SURFACE. SYSTEM IS CAPABLE OF SUPPORTING H-20/H-25 TOP LOAD CLASSIFICATION.
- END OUTLETS, BOTTOM OUTLETS, AND SIDE OUTLETS SHALL BE AVAILABLE IN 4", 6", 8", 12", 18", 24", AND 36" DIAMETERS. TWENTY-FOUR INCH LONG CLEAROUT SECTIONS SHALL BE AVAILABLE WITH REMOVABLE DUCTILE IRON GRATE. ALL PIPE AND PIPE FITTINGS SHALL BE PVC (POLYVINYL CHLORIDE), TYPE 1, GRADE 1 (GNAY) SCHEDULE 80. PVC SCHEDULE 80 PIPE SHALL CONFORM TO ASTM D 1785. SOCKET FITTINGS SHALL CONFORM TO ASTM D 2467 AND THREADED FITTINGS (IF USED) SHALL CONFORM TO ASTM D 2464.

REVISIONS		AYLIN COSTA, P.E. P.E. NO: 69865 RSGM, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #EB0005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			DRAINAGE DETAILS	SHEET NO. 21
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

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REVISIONS	
DATE	DESCRIPTION

WILLIAM AVILES, P.E.
P.E. NO.: 72351
RS&M, INC.
3725 W. COMMERCIAL BLVD. SUITE 130
FORT LAUDERDALE, FL 33309
FL COA #EB0005620

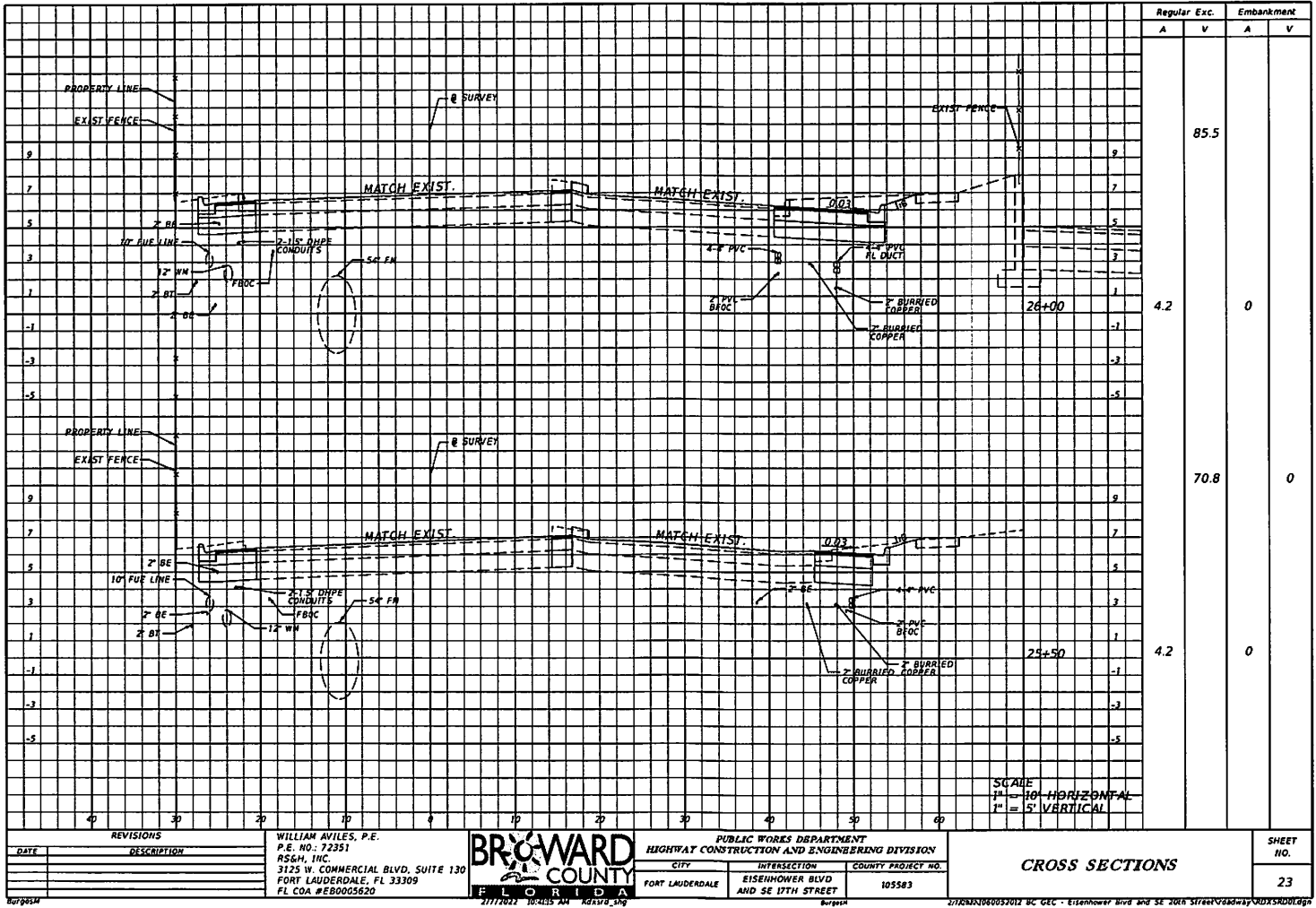


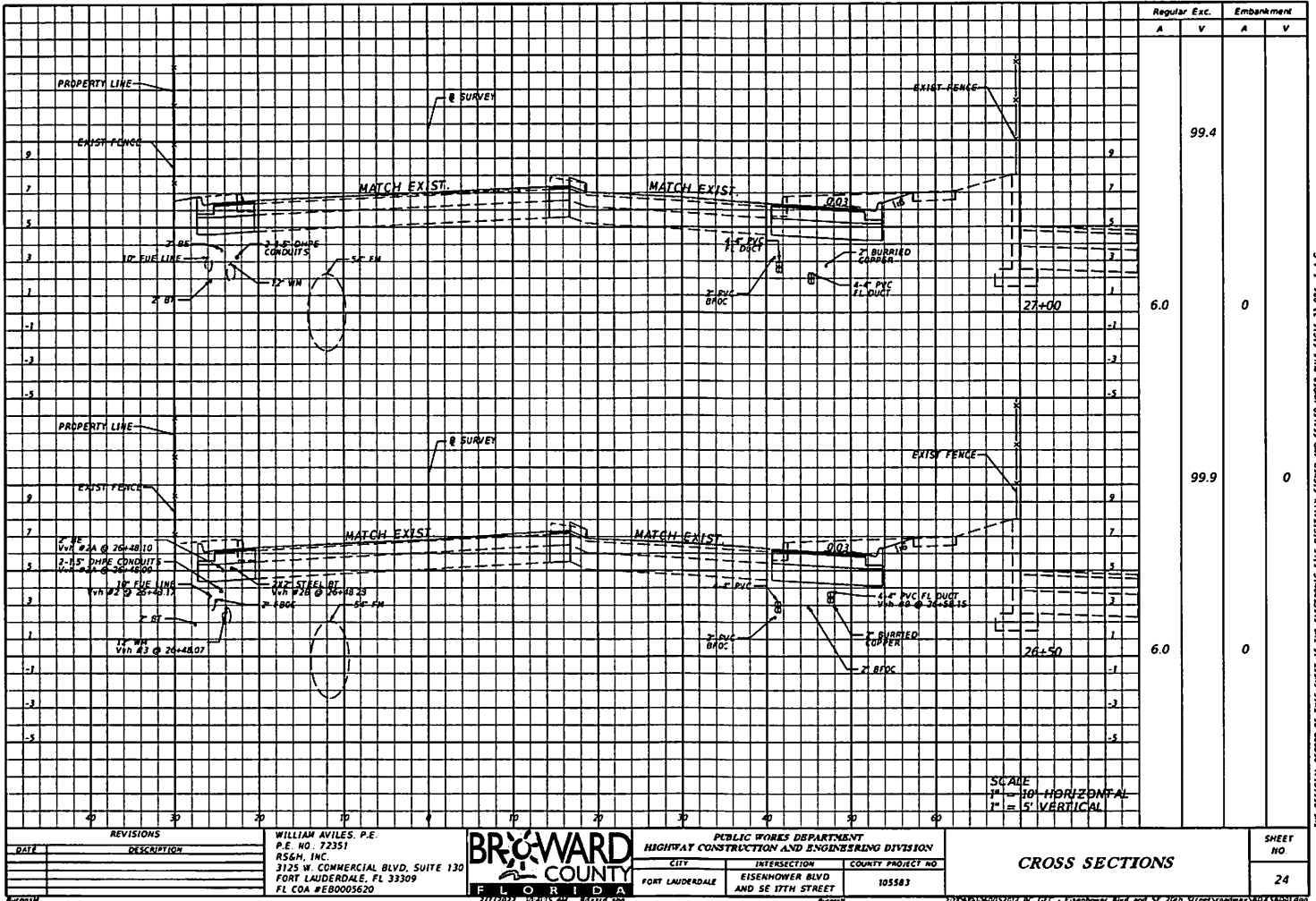
PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

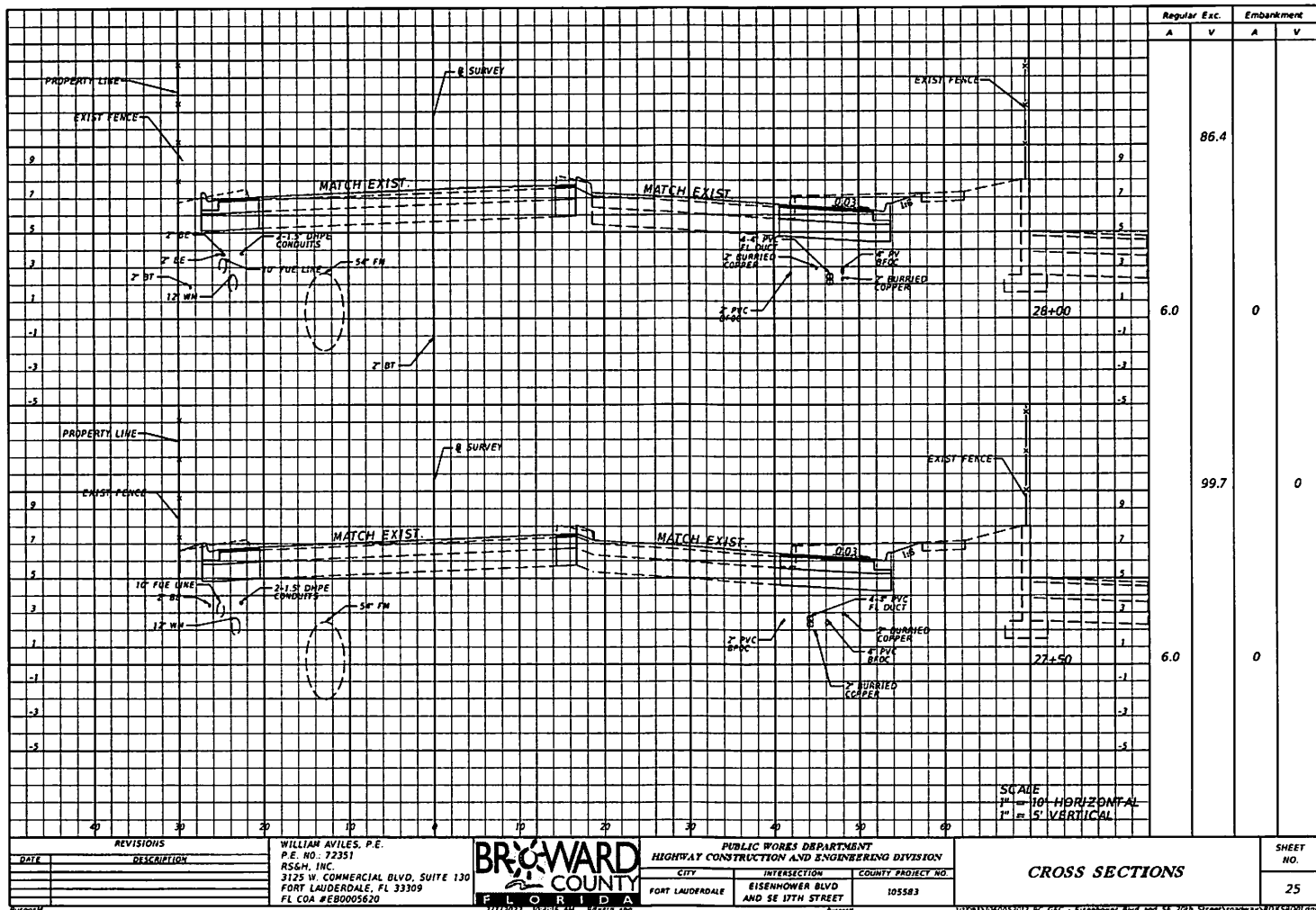
CROSS SECTIONS

SHEET NO.
22

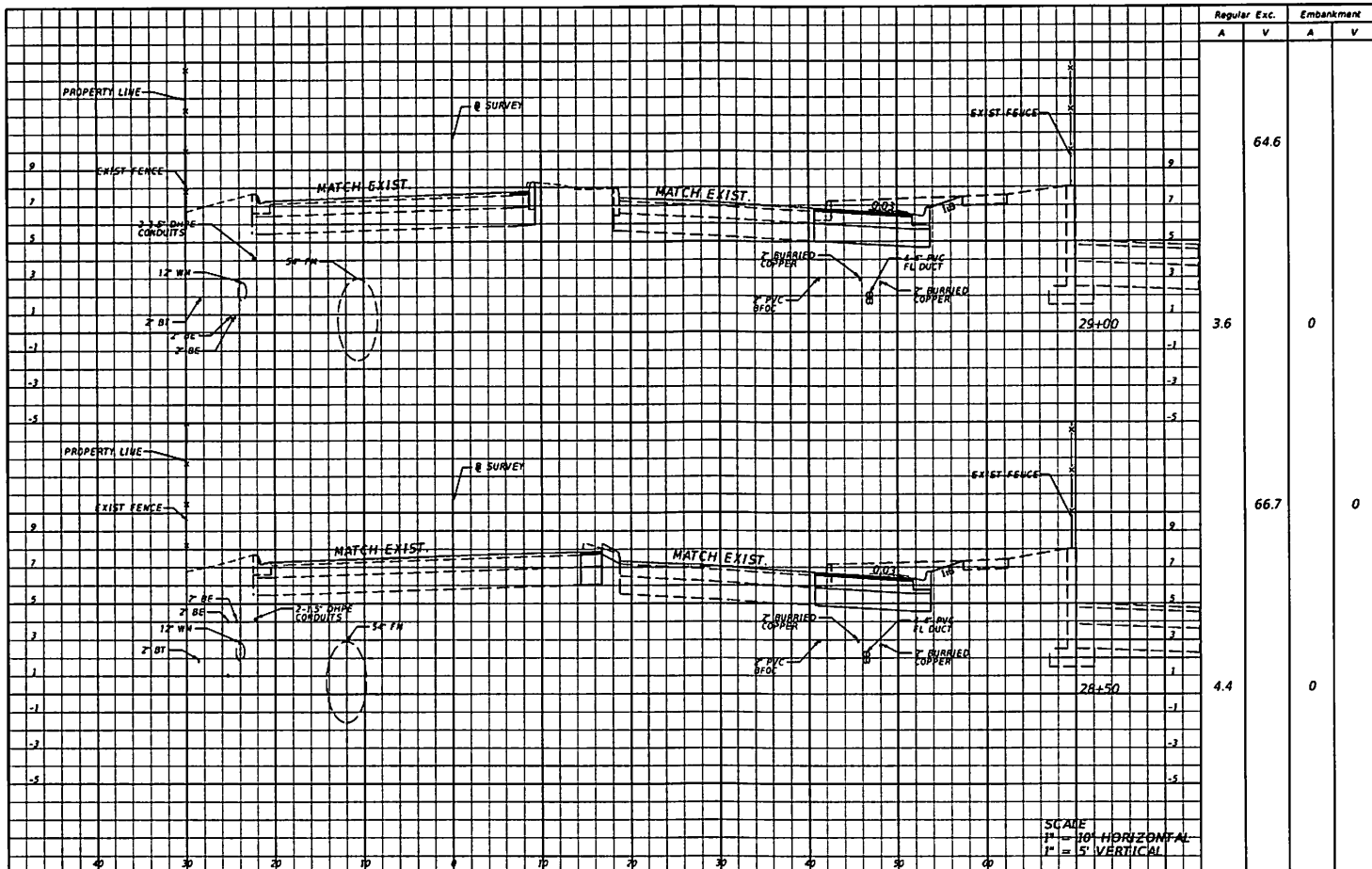
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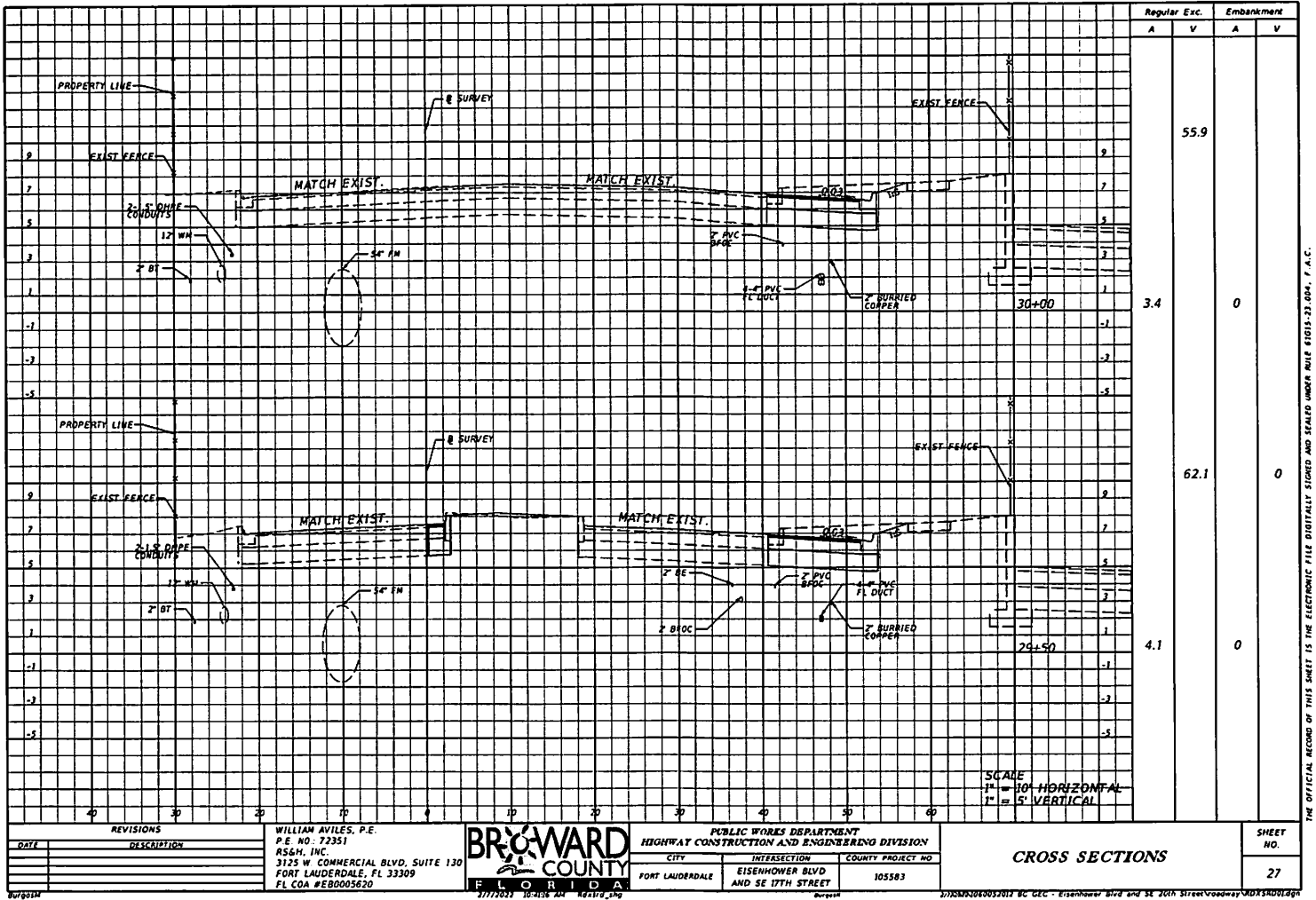


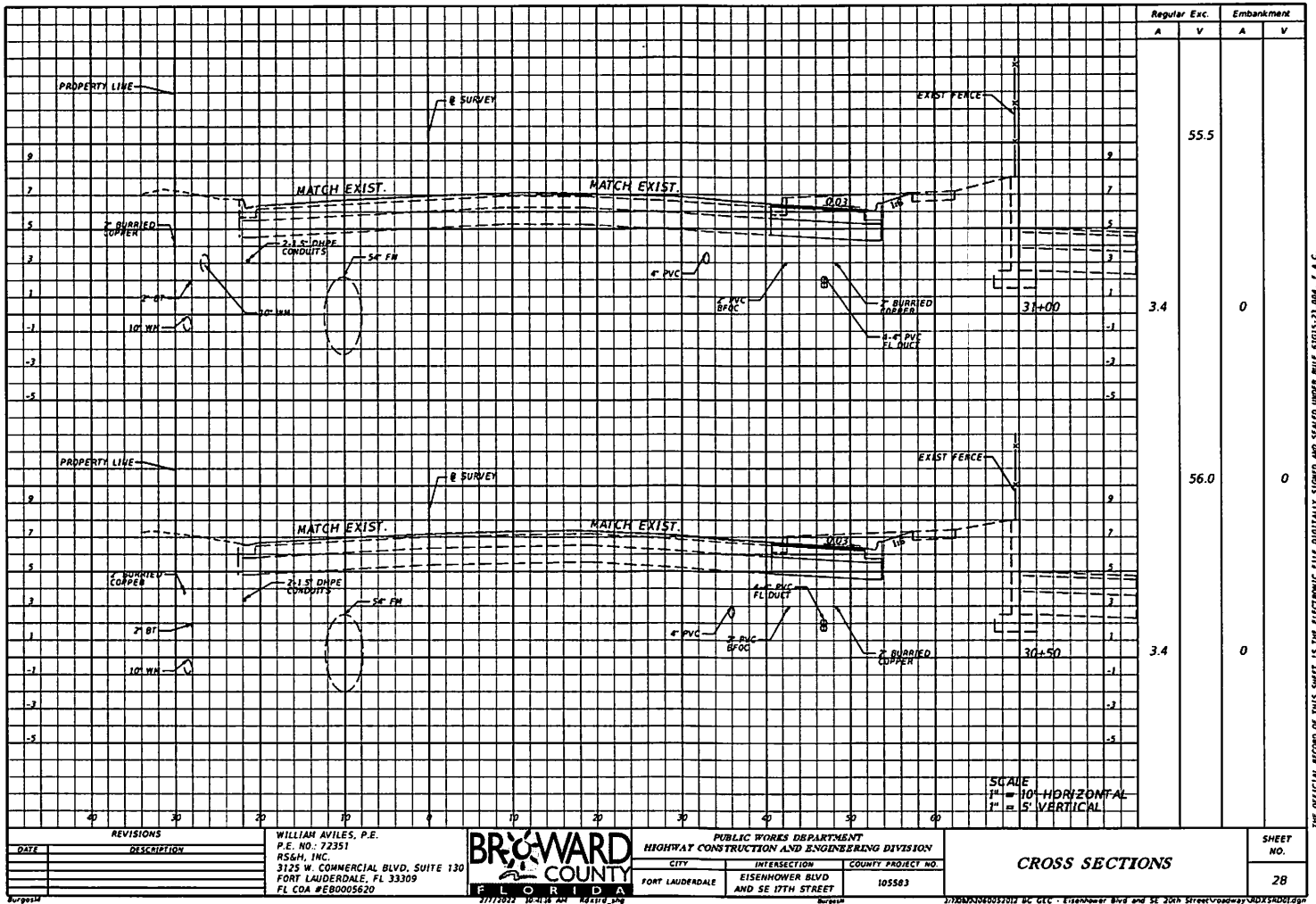
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DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.			
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105503			

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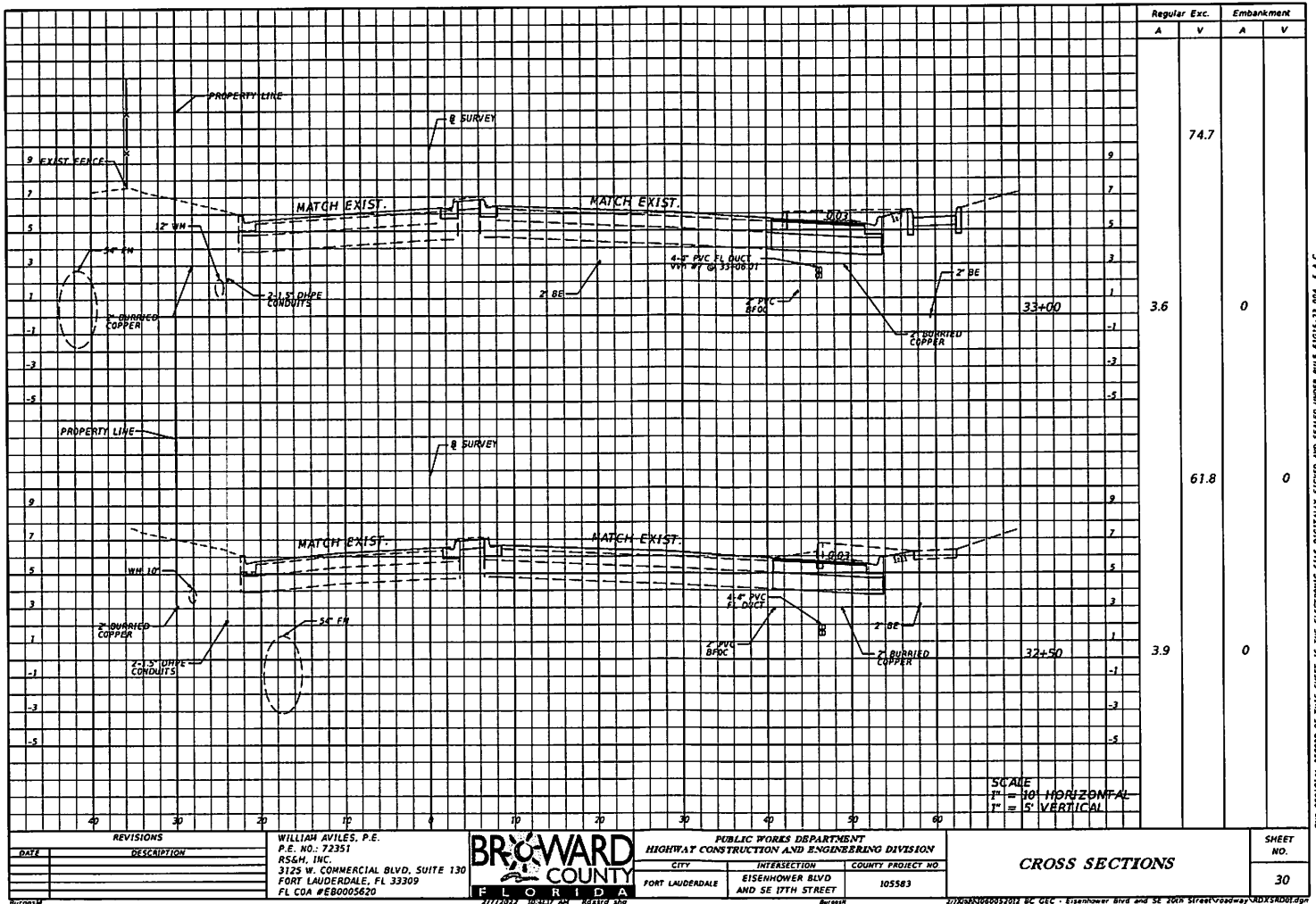
REVISIONS		WILLIAM AVILES, P.E. P.E. NO.: 72351 RSMH, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL CDA #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	CITY		INTERSECTION	COUNTY PROJECT NO.		28
		FORT LAUDERDALE		EISENHOWER BLVD AND SE 17TH STREET	105583		

Approved

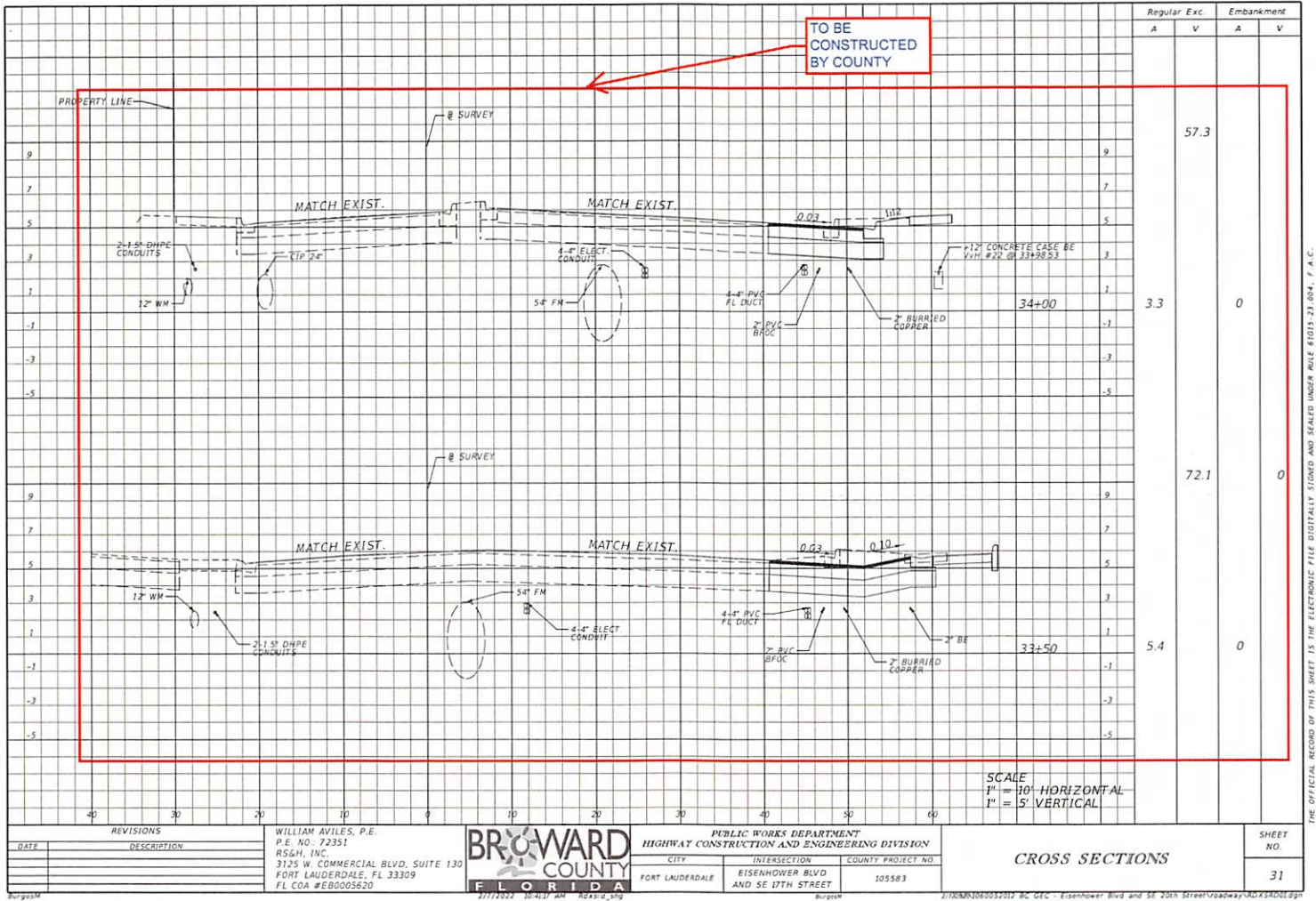
Project No. 72351

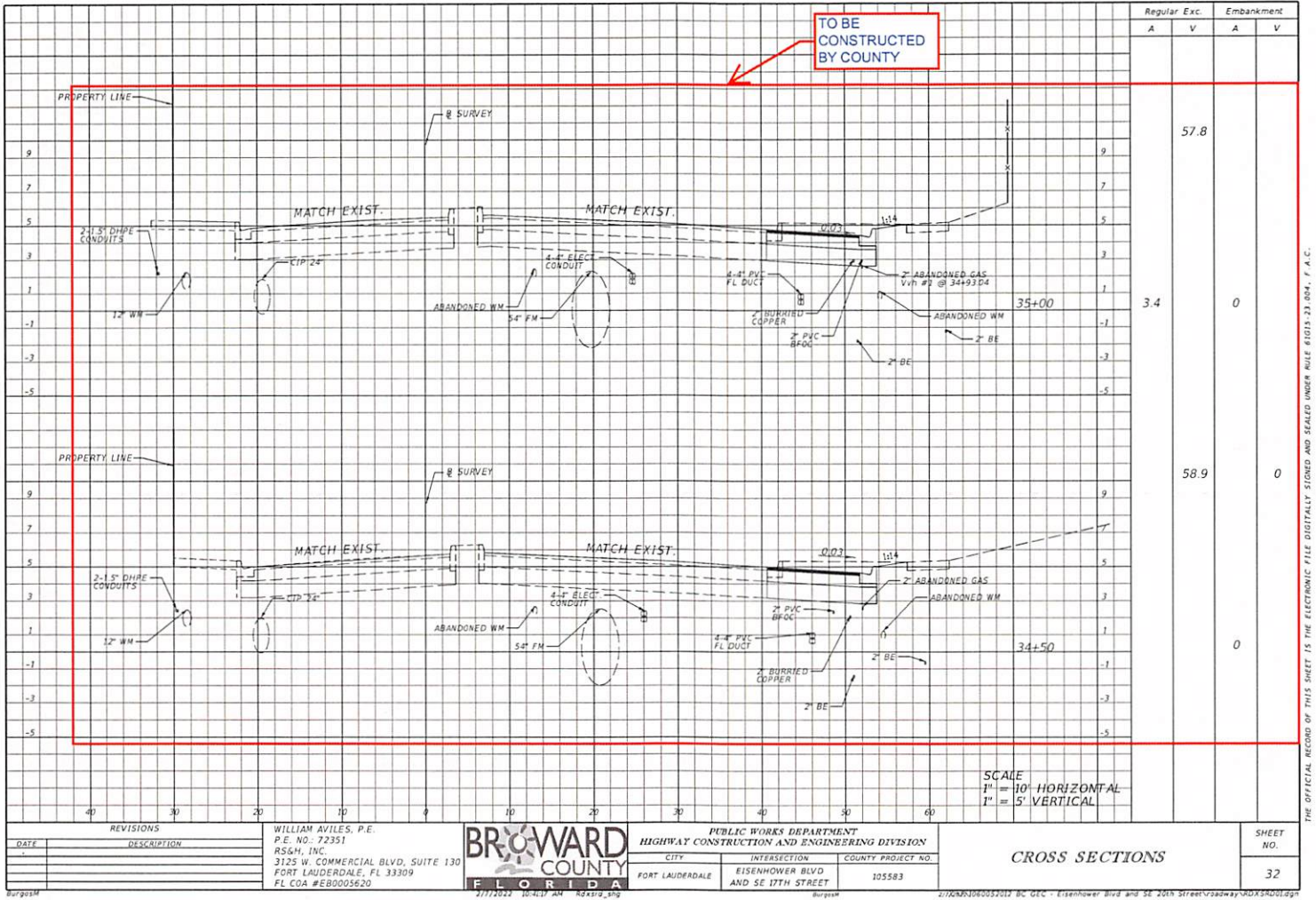
Project Description: Eisenhower Blvd and Se 20th Street Widening

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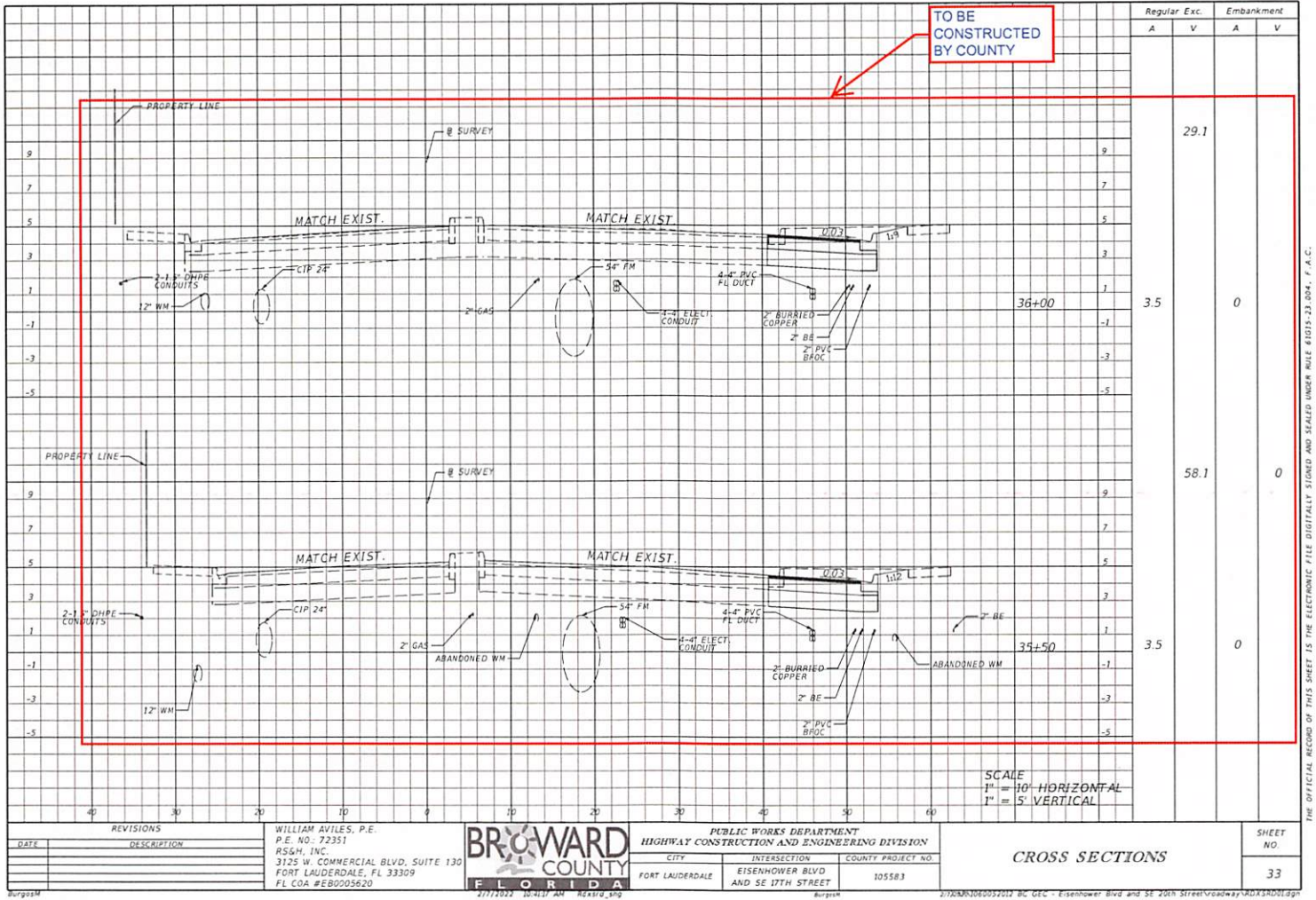


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GENERAL NOTES

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (6000 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AS MINIMUM CRITERIA.
2. ALL PROPERTIES SHALL HAVE TWO-WAY ACCESS AT ALL TIMES. THIS WILL REQUIRE COORDINATION WITH THE PROPERTY OWNERS AND/OR RESIDENTS. IF A DRIVEWAY CLOSURE IS NECESSARY, THE PROPERTY OWNER AND/OR RESIDENT SHALL BE NOTIFIED SEVEN (7) DAYS IN ADVANCE OF THE CLOSURE. IN ADDITION, THE LOCATION OF THE TEMPORARY ACCESS SHALL BE PROVIDED. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY, AT LEAST ONE DRIVEWAY SHALL REMAIN OPEN TO MAINTAIN TWO-WAY ACCESS AT ALL TIMES. COST TO BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.
3. THE REGULATORY SPEED DURING CONSTRUCTION FOR ALL PHASES OF WORK SHALL BE SAME AS POSTED SPEED LIMIT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. NOTIFICATION OF PROPOSED LANE CLOSURES SHALL BE ACCOMPLISHED BY THE CONTRACTOR AND SUBMITTED IN WRITING TO THE ENGINEER 14 WORKING DAYS IN ADVANCE OF CLOSURE. THE NOTIFICATION WILL INCLUDE SKETCHES, CALCULATIONS, AND OTHER DATA REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL ALSO NOTIFY LOCAL LAW ENFORCEMENT AGENCIES AND EMS 24 HOURS PRIOR TO ANY LANE CLOSURES WHICH WILL EXCEED 2 HOURS.
5. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
6. CONTRACTOR SHALL NOT STORE EQUIPMENT WITHIN THE CLEAR ZONE DURING CONSTRUCTION ACTIVITY PERIODS. THE CONTRACTOR SHALL LIMIT THE STORAGE OF EQUIPMENT TO THE WORK ZONE AREA AND WITHIN RIGHT-OF-WAY.
7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE UTILITY OWNERS IN DETERMINING THE UTILITY RELOCATIONS/ADJUSTMENTS THAT WILL BE REQUIRED TO ACCOMMODATE THE MAINTENANCE OF TRAFFIC.

DROP-OFFS

1. AT THE END OF EACH WORK PERIOD, ANY DROP OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX NO. 600.
2. THE CONTRACTOR SHALL ONLY EXCAVATE FOR SWALE WORK A DISTANCE THAT CAN BE BACKFILLED TO ACCEPTABLE DROP OFF STANDARDS (WITHOUT A BARRIER) BY THE END OF EACH WORK DAY.


PEDESTRIANS, BICYCLES, AND WHEELCHAIRS

1. THROUGHOUT THE PROJECT LIMITS, PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAFFIC SHALL BE MAINTAINED WHERE PROVIDED TODAY, UNLESS PEDESTRIAN DETOURS ARE PUT INTO PLACE. THE TRAVEL PATH SHALL BE A MINIMUM OF 5' WIDE, SMOOTH BUT NOT SLICK WITH A WATERPROOF SURFACE RAMPED AS NECESSARY FOR CONTINUITY.
2. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6" IN ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
3. CONTRACTOR SHALL PROVIDE TEMPORARY ASPHALT APRONS DURING MILLING OPERATIONS WITHIN EXISTING CROWDSWALKS AS REQUIRED BY INDEX 600.

SIGNS AND MARKINGS

1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT AND AT ALL SIDE STREETS. PAVEMENT MARKING QUANTITIES ARE PROVIDED TO EXTEND AND REFURBISH EXISTING STRIPING REMOVED FOR TRAFFIC CONTROL DURING CONSTRUCTION. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING.
2. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVABLE TAPE AND MARKERS), REGARDLESS OF METHOD, TO BE INCLUDED IN THE RELATED PAVEMENT MARKING/MARKERS PAY ITEMS. COST OF REMOVAL OF PAVEMENT MARKINGS AND MARKERS, EXISTING PRIOR TO CONSTRUCTION, TO BE INCLUDED IN MAINTENANCE OF TRAFFIC. 1S. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.
3. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSEOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSEOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSEOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 - 4 FT SKIP LINES WILL BE PLACED.
4. TEMPORARY RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSSEOVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMs SHALL BE 40 FT ON CENTERS FOR TANGENT SECTIONS AND 5 FT FOR TRANSITIONS, CURVES, AND CROSSEOVERS. THE RPMs SHALL EXTEND 100 FT ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSEOVERS OR TRANSITION AREAS.
5. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER.
6. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
7. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
8. PERMANENT RPMs AS REQUIRED FOR LANE LINES SHALL BE PLACED WITHIN 72 HOURS OF COMPLETION OF THE MAIN LINE FRICTION COURSE. OTHER LOCATIONS FOR RPM PLACEMENT MAY BE DESIGNATED BY THE ENGINEER.
9. WHERE THERE IS A FIRE HYDRANT A BLUE RPM SHALL BE MAINTAINED THROUGHOUT THE LENGTH OF THE PROJECT.
10. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC. COST TO BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

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DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

Sheet 34

2/7/2023

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SIGNALS

1. THE CONTRACTOR SHALL NOTIFY BROWARD COUNTY TRAFFIC ENGINEERING DIVISION:

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION
OPERATIONS BUILDING
2300 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL 33309

TWO (2) FULL WORKING DAYS PRIOR TO ANY MODIFICATIONS AND/OR CHANGES TO AN EXISTING TRAFFIC SIGNAL SYSTEM, THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF TEMPORARY SIGNALIZATION, FOR MAINTENANCE OF THE EXISTING AND/OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF DESIGNING TEMPORARY SIGNALIZATION, PROVIDING AND REMOVING TEMPORARY POLES, RELOCATING TRAFFIC SIGNAL HEADS, TEMPORARY SIGNAL HEADS AND MAINTAINING THE EXISTING AND/OR TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED IN PAY ITEM 102-104 - TEMPORARY TRAFFIC CONTROL SIGNAL.

2. THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OR PHONE LINE DURING CONSTRUCTION. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY. COST OF MAINTAINING COMMUNICATION, INCLUDING TEMPORARY LINES AND CONNECTIONS SHALL BE INCLUDED IN PAY ITEM 102-104 - TEMPORARY TRAFFIC CONTROL SIGNAL.

INTERSECTIONS

1. ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE ENGINEER.
2. INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL COMPLETE AND UNTIL THE STRUCTURAL COURSE IS PLACED.
3. M.O.T. TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING A 1:20 TYPE SP ASPHALT CONCRETE SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. ALL MATERIAL AND WORK, INCLUDING ITS REMOVAL, SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

ADJACENT CONSTRUCTION PROJECTS

1. CONTRACTOR SHALL COORDINATE AND ADJUST THE TRAFFIC CONTROL LAYOUT SO THAT IT IS COMPATIBLE WITH ADJACENT CONSTRUCTION PROJECTS. COST TO BE INCLUDED IN PAY ITEM NO. 102-1, MAINTENANCE OF TRAFFIC.

EROSION CONTROL

1. THE SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY CLEARING OR CONSTRUCTION AND THE INSTALLATION MUST BE INSPECTED BY THE ENGINEER. THE SILT FENCING AND TURBIDITY BARRIERS SHALL REMAIN IN PLACE AND BE MAINTAINED IN GOOD FUNCTIONAL CONDITION UNTIL ALL ADJACENT CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ALL FILL SLOPES HAVE BEEN STABILIZED. UPON COMPLETION OF THE PROJECT AND THE STABILIZATION OF THE FILL, THE CONTRACTOR SHALL CONTACT THE ENGINEER TO INSPECT THE SITE AND APPROVE THE REMOVAL OF THE SILT FENCING AND TURBIDITY BARRIER.
2. ANY GRASSED AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE SODDED WITHIN SEVEN (7) DAYS FROM DISTURBANCE. THESE AREAS SHOULD BE SURROUNDED WITH SILT FENCE UNTIL SUCH TIME THAT IT IS SODDED TO PREVENT EROSION OF THE AREA. ALL DISTURBED AREAS WILL BE RESTORED TO EQUAL OR BETTER CONDITION AS EXISTED PRIOR TO CONSTRUCTION. IF AFTER 14 DAYS, THE SODDING HAS NOT ATTAINED MORE THAN 75% COVERAGE THEN THE AREA WILL BE REWORKED AND ADDITIONAL SOD ADDED, AT NO ADDITIONAL COST TO THE COUNTY. SOD SHALL BE INSTALLED AND MAINTAINED ON EXPOSED AREAS WITHIN 48 HOURS OF COMPLETING FINAL GRADE AND AT OTHER TIMES AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGE INTO ADJACENT WATERS. IN ADDITION, WHEEL RUTS SHALL BE REPAIRED PRIOR TO SOD INSTALLATION.
3. ALL INLETS AND STORM DRAINS AS WELL AS THE UNSPECIFIED ROADWAY PAVEMENT THAT SERVES SHEET FLOW SHALL BE PROTECTED FROM STORM WATER RUNOFF SEDIMENT UNTIL THE COMPLETION OF CONSTRUCTION ACTIVITIES THAT MAY CONTRIBUTE SEDIMENT.

PROJECT INFORMATION SIGN

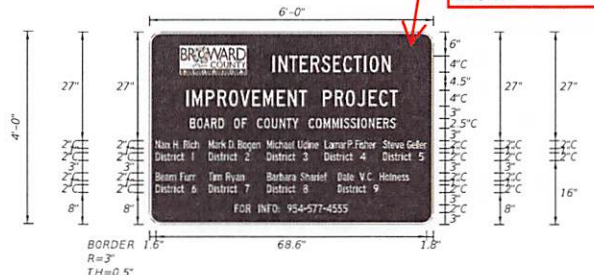
1. TWO PROJECT INFORMATION SIGNS AS SHOWN ON THIS SHEET ARE REQUIRED FOR THIS PROJECT. PAYMENT FOR PROJECT INFORMATION SIGNS SHALL BE INCLUDED IN LUMP SUM MOT (PAY ITEM 102-1). SIGNS SHALL HAVE BLUE BACKGROUND AND WHITE LEGEND AND BORDER, AND DESIGN SHALL BE IN ACCORDANCE WITH THE FLORIDA DOT DESIGN STANDARD INDEX 600. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR THE LOCATION OF THE SIGN.

BCTD MAINTENANCE OF TRAFFIC - SCHOOL/PEDESTRIAN


THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE PROVISIONS FOR PEDESTRIANS AS WELL AS VEHICULAR TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS:

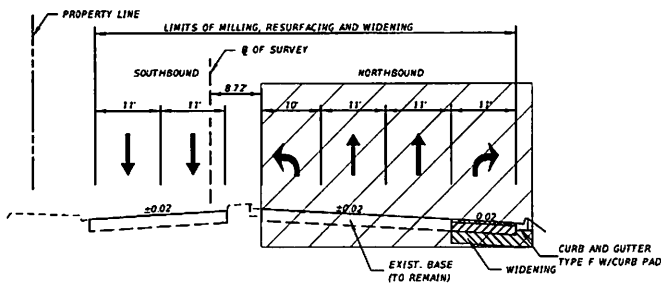
1. THE SAFE WALK ROUTE FOR ALL PEDESTRIANS WITHIN THE VICINITY OF THE CONSTRUCTION ZONE SHALL BE MAINTAINED AT ALL TIMES. IF THE CURRENT WALKING SURFACE CANNOT BE MAINTAINED, THEN A TEMPORARY WALKABLE SURFACE SHALL BE CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY DURING THE ENTIRE LENGTH OF THE PROJECT ENCOMPASSING THE ENTIRE WALK ROUTE WITH PROPER PEDESTRIAN OPENINGS AT DESIGNATED CROSSINGS IN COMPLIANCE WITH FDOT DESIGN STANDARDS INDEX NO. 600 AS WELL AS MEETING ALL ADA REQUIREMENTS.
2. ALL CONSTRUCTION EQUIPMENT ACTIVITY ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING UNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.
3. IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE CANNOT BE MAINTAINED, THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600, A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER TO ESTABLISH AN ALTERNATE CROSSING/ROUTE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ANY NECESSARY PAVEMENT, ROAD ROCK, PAVEMENT MARKINGS AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE CERTIFIED FLAGMEN OR OFF DUTY POLICE OFFICERS TO CROSS PEDESTRIANS AT ALL LOCATIONS OTHER THAN THOSE PREVIOUSLY DESIGNATED.
6. THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600 OR AT BROWARD@TRAFFIC.ORG TO DISCUSS ALL NECESSARY SAFETY MEASURES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN APPROVED MAINTENANCE OF TRAFFIC PLAN (MOT), SPECIFYING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS, THROUGH THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION OR THE LOCAL MUNICIPALITY, DEPENDING ON THE ROADWAY JURISDICTION. THE CONDITIONS OUTLINED IN THE MOT ARE FULLY EFFECTIVE AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL WORK ASSOCIATED WITH THE PROJECT IS IN COMPLIANCE WITH ALL THE REQUIREMENTS OF THE APPROVED MOT.

SIGN TO BE UPDATED
PER CURRENT COUNTY
COMMISSIONERS AND
SEEK APPROVAL FROM
COUNTY



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M.U.T.C.D.: 2009 Edition

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DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		



**PHASE I - EISENHOWER BOULEVARD
CONSTRUCT NORTHBOUND WIDENING
STA. 24+67.90 TO STA. 36+50.67**

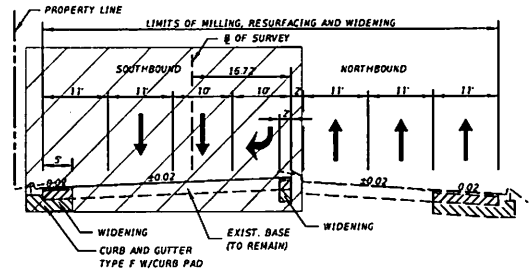
1. INSTALL TEMPORARY SIGNS, MARKINGS AND TRAFFIC CONTROL DEVICES PER MUTCD AND FDOT STANDARD PLANS 102 SERIES WITHIN THE WORKZONE.
2. PLACE EROSION CONTROL DEVICES, CLEAR AND GRUB WITHIN THIS WORKZONE.
3. INSTALL DRAINAGE PIPES, INLETS, CURB RAMPS, SIGNS, WIDEN NORTHBOUND OUTSIDE LANES AND SHOULDER UP TO STRUCTURAL LAYER.
4. WIDEN NORTHBOUND UP TO STRUCTURAL LAYER AS PER PLANS.
5. INSTALL SIGN STRUCTURE FOUNDATION AS PER PLANS.
6. MAINTAIN EXISTING DRAINAGE SYSTEM DURING CONSTRUCTION (COST TO BE INCLUDED IN 201-1).
7. FOR WIDENING, EXCAVATE ONLY THE PORTION OF THE ROADWAY THAT CAN BE BACKFILLED THE SAME DAY.

**PHASE III - EISENHOWER BOULEVARD
MILLING, OVERBUILD AND RESURFACING**

1. INSTALL TEMPORARY SIGNS, MARKINGS AND TRAFFIC CONTROL DEVICES PER MUTCD AND FDOT INDEX 800 SERIES WITHIN THE WORKZONE.
2. MILL EXISTING ASPHALT PAVEMENT AND RESURFACE WITH FINAL LAYER OF F.C. 9.5 ON ALL LANES (ONE LANE AT A TIME).
4. INSTALL FINAL PAVEMENT MARKING (PAINT) AS PER PLANS.

NOTE:

AFTER CONTRACT IS AWARDED, CONTRACTOR SHALL SUBMIT A SIGNED AND SEALED DETAILED HOT PLAN HIGHLIGHTING TEMPORARY TRAFFIC CONTROL DEVICES AND SEEK APPROVAL FROM COUNTY BEFORE CONSTRUCTIONS BEGINS. ALL COST OF PREPARING SIGNING AND SEALING HOT PLAN SHALL BE INCLUDED IN PAY ITEM 102-1. COUNTY SHALL WAIVE ALL NOT RELATED PERMITTING FEES.

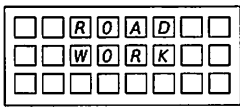


**PHASE II - EISENHOWER BOULEVARD
CONSTRUCT SOUTHBOUND WIDENING
STA. 25+54.78 TO STA. 28+30.18**

1. INSTALL TEMPORARY SIGNS, MARKINGS AND TRAFFIC CONTROL DEVICES PER MUTCD AND FDOT INDEX 800 SERIES WITHIN THE WORKZONE.
2. PLACE EROSION CONTROL DEVICES, CLEAR AND GRUB WITHIN THIS WORKZONE.
3. INSTALL DRAINAGE PIPES, INLETS, CURB RAMPS, SIGNS, WIDEN NORTHBOUND OUTSIDE LANES AND SHOULDER UP TO STRUCTURAL LAYER.
4. WIDEN SOUTHBOUND UP TO STRUCTURAL LAYER AS PER PLANS.
5. MAINTAIN EXISTING DRAINAGE SYSTEM DURING CONSTRUCTION (COST TO BE INCLUDED IN 201-1).
6. FOR WIDENING, EXCAVATE ONLY THE PORTION OF THE ROADWAY THAT CAN BE BACKFILLED THE SAME DAY.

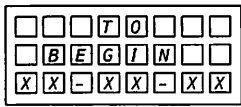
REVISIONS		WILLIAM AVILES, P.E. P.E. NO: 72351 RSGM, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA No. #EB0005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			TRAFFIC CONTROL PLANS	SHEET NO. 36
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

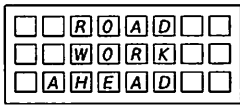


MESSAGE #1

PCMS TO READ TWO WEEKS BEFORE CONSTRUCTION

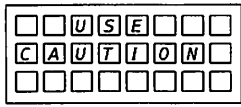


MESSAGE #2



MESSAGE #1

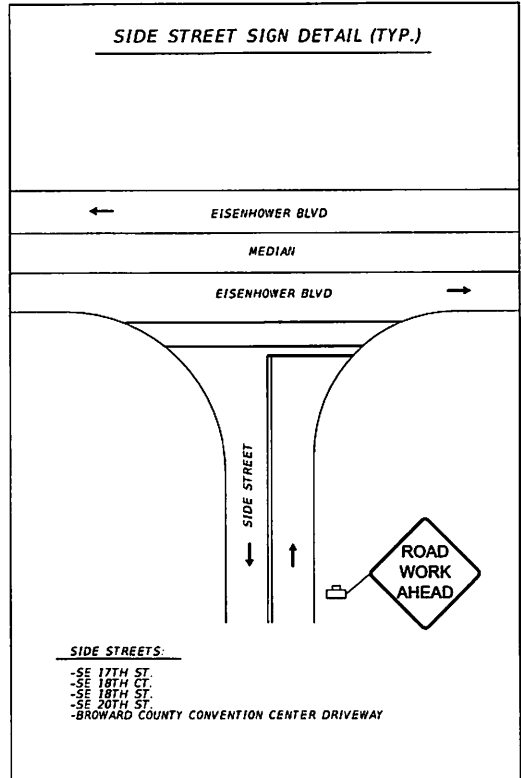
PCMS TO READ DURING CONSTRUCTION



MESSAGE #2

CONTRACTOR SHALL FURNISH AND MAINTAIN A (PCMS) AT THE LOCATION DIRECTED BY THE ENGINEER. THE PCMS SHALL BE IN PLACE 14 DAYS PRIOR TO THE START OF ANY ITEMS AFFECTING THE EXISTING VEHICULAR AND PEDESTRIAN TRAFFIC. CVMS/PCMS INSTALLATION, OPERATION AND REMOVAL DURING CONSTRUCTION SHALL BE PAID UNDER PAY ITEM 102-99. PORTABLE CHANGEABLE VARIABLE MESSAGE SIGN SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.

SIDE STREET SIGN DETAIL (TYP.)



SIDE STREETS:

- SE 17TH ST.
- SE 18TH CT.
- SE 18TH ST.
- SE 20TH ST.
- BROWARD COUNTY CONVENTION CENTER DRIVEWAY

REVISIONS		WILLIAM AVILES, P.E. P.E. NO: 72351 RS&H, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #E80005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			TRAFFIC CONTROL PLANS	SHEET NO 37
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 6101.23, F.A.C.

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SPECIFIC PURPOSE SURVEY SUMMARY OF VERIFIED UTILITIES

Veh #	UTILITY DESCRIPTION (Owner, type)	SIZE	MATERIALS	R and/or Q			EXISTING GROUND ELEVATION	TOP ELEVATION	COMMENTS
				STATION	OFFSET	LT/RT			
1	TECO, GAS MAIN	2"	POLYETHYLENE	26+33.58	52.04	RT	5.29	2.64	UTILITY VERIFIED
2	MARATHON, FUEL	10"	STEEL	26+48.77	25.84	LT	6.67	3.72	UTILITY VERIFIED
2A	BROWARD COUNTY, STREET LIGHT	2"	POLYVINYL CHLORIDE	26+48.10	24.32	LT	6.70	5.12	UTILITY VERIFIED
2B	UNKNOWN	2 x 2"	STEEL	26+48.28	23.22	LT	6.72	5.22	UTILITY VERIFIED
3	BROWARD COUNTY, WATER MAIN	12"	CAST IRON PIPE	26+48.07	23.85	LT	6.71	2.86	UTILITY VERIFIED
3A	UNKNOWN, FIBER OPTIC CABLE	2"	POLYVINYL CHLORIDE	26+48.09	24.50	LT	6.70	3.90	UTILITY VERIFIED
4	BROWARD COUNTY, WATER MAIN	12"	CAST IRON PIPE	25+10.59	23.94	LT	6.17	2.82	UTILITY VERIFIED
4A	BROWARD COUNTY, STREET LIGHT	2"	POLYVINYL CHLORIDE	25+10.89	24.46	LT	6.25	4.70	UTILITY VERIFIED
5	MARATHON, FUEL	10"	STEEL	25+10.51	26.52	LT	6.41	3.48	UTILITY VERIFIED
5A	UNKNOWN, FIBER OPTIC CABLE	2 x 15"	POLYETHYLENE	25+10.51	25.01	LT	6.31	3.44	UTILITY VERIFIED
5B	UNKNOWN		STEEL	25+10.99	25.85	LT	6.35	4.25	UTILITY VERIFIED
6	BROWARD COUNTY, FIBER OPTIC CABLE	SEE NOTES	SEE NOTES	25+05.50	43.99	RT	6.03	N/A	UNABLE TO VERIFY UTILITY. EXCAVATED AND PROBED WITH AIR LANCE TO THE DEPTH OF 9' WITH NO DISCOVERY
7	AT&T, BURIED TELEPHONE	3 x 4"	POLYVINYL CHLORIDE	25+06.01	46.10	RT	6.09	2.72	UTILITY VERIFIED. ADDITIONAL CONDUITS MAYBE PRESENT BELOW RECORDER CONDUITS
8	BROWARD COUNTY, FIBER OPTIC CABLE	SEE NOTES	SEE NOTES	26+55.95	41.16	RT	6.24	N/A	UNABLE TO VERIFY UTILITY. EXCAVATED AND PROBED WITH THE AIR LANCE TO THE DEPTH OF 9.34' WITH NO DISCOVERY
9	AT&T, BURIED TELEPHONE	5 x 4"	POLYVINYL CHLORIDE	26+58.15	47.52	RT	6.78	3.78	UTILITY VERIFIED
10	BROWARD COUNTY, FIBER OPTIC CABLE	2"	POLYVINYL CHLORIDE	27+73.97	38.97	RT	6.57	2.17	UTILITY VERIFIED
11	AT&T, BURIED TELEPHONE	4 x 4"	POLYVINYL CHLORIDE	27+73.32	47.91	RT	7.02	2.23	UTILITY VERIFIED
12	AT&T, BURIED TELEPHONE	4 x 4"	POLYVINYL CHLORIDE	27+73.31	46.16	RT	7.01	2.36	UTILITY VERIFIED
13	BROWARD COUNTY, WATER MAIN	10"	CAST IRON PIPE	25+78.04	34.11	RT	4.95	1.15	UTILITY VERIFIED. UTILITY PARTIALLY SUBMERGED IN WATER
14	AT&T, BURIED TELEPHONE	SEE NOTES	SEE NOTES	25+77.18	48.96	RT	4.86	N/A	UNABLE TO VERIFY UTILITY DUE TO WATER TABLE. PROBED A CYLINDRICAL OBJECT WITH AIR LANCE AT THE DEPTH OF 4.85'
15	AT&T, BURIED TELEPHONE	2 x 4"	POLYVINYL CHLORIDE	25+73.41	49.78	RT	6.73	3.51	UTILITY VERIFIED
16	EXPLORATORY	SEE NOTES	SEE NOTES	25+70.73	58.97	RT	6.90	N/A	EXPLORATORY TEST HOLE. AT THE DEPTH OF 1.70' EXPOSED A 2" POLYVINYL CHLORIDE IRRIGATION LINE. PROBED WITH AIR LANCE TO THE DEPTH OF 8.67'
16A	EXPLORATORY	SEE NOTES	SEE NOTES	25+58.56	60.29	RT	7.02	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 7.50' WITH NO DISCOVERY
17	EXPLORATORY	SEE NOTES	SEE NOTES	26+58.65	54.32	RT	7.25	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 9.35' WITH NO DISCOVERY
18	EXPLORATORY	SEE NOTES	SEE NOTES	25+80.95	61.24	RT	4.91	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 8.10' WITH NO DISCOVERY
19	EXPLORATORY	SEE NOTES	SEE NOTES	27+48.86	58.74	RT	7.69	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 9.45' WITH NO DISCOVERY
20	EXPLORATORY	SEE NOTES	SEE NOTES	25+80.82	55.43	RT	5.14	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 8' WITH NO DISCOVERY
21	EXPLORATORY	SEE NOTES	SEE NOTES	23+95.70	66.86	RT	7.44	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 8' WITH NO DISCOVERY
22	FPL, BURIED ELECTRIC	12"	CONCRETE CASE	25+58.53	60.83	RT	7.60	2.30	UTILITY VERIFIED. DUCT BANK PINNED ON EAST EDGE OF DUCT BANK
23	EXPLORATORY	SEE NOTES	SEE NOTES	23+01.84	57.49	RT	6.58	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 8.40' WITH NO DISCOVERY. BURIED ELECTRIC 2' EAST OF THE EXPLORATORY TEST HOLE
23A	EXPLORATORY	SEE NOTES	SEE NOTES	23+12.07	52.58	RT	6.77	N/A	EXPLORATORY TEST HOLE. PROBED WITH AIR LANCE TO THE DEPTH OF 7.50' WITH NO DISCOVERY
24	EXPLORATORY	SEE NOTES	SEE NOTES	23+02.69	57.39	RT	7.93	N/A	EXPLORATORY TEST HOLE. PROBED TO THE DEPTH OF 8.20' WITH NO DISCOVERY
25	EXPLORATORY	SEE NOTES	SEE NOTES	29+74.24	59.06	RT	7.99	N/A	EXPLORATORY TEST HOLE. PROBED TO THE DEPTH OF 9.45' WITH NO DISCOVERY
26	UNKNOWN	2"	POLYVINYL CHLORIDE	27+72.37	54.20	RT	7.84	6.60	UNKNOWN UTILITY EXPOSED WHILE PERFORMING EXPLORATORY TEST HOLE 26A
26A	EXPLORATORY	SEE NOTES	SEE NOTES	27+74.54	54.21	RT	7.80	N/A	EXPLORATORY TEST HOLE. PROBED BENEATH UTILITY EXPOSED IN TEST HOLE 26 TO THE DEPTH OF 8.39' WITH NO ADDITIONAL DISCOVERY

S.U.E. NOTES:

- OWNERSHIP IS BASED UPON OBSERVING VISIBLE ABOVE GROUND UTILITY FEATURES AND PROFESSIONAL JUDGEMENT. NO RECORDS RESEARCH WAS PERFORMED BY KEITH.

SURVEY NOTES:

- VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- HORIZONTAL INFORMATION IS RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICA DATUM OF 1983, ADJUSTMENT OF 2011 (NAD 83/2011)
- THE STATION AND OFFSETS ARE RELATIVE TO THE BASELINE OF EISENHOWER BOULEVARD AS SHOWN ON THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PROJECT NETWORK CONTROL SHEETS FOR SURVEY PROJECT NO 2020-050 WITH A DATE OF APRIL 23, 2020
- PROJECT UNITS: U.S. SURVEY FEET
- GEOPAK ELECTRONIC DATABASE: J080SGPK
- THIS SPECIFIC PURPOSE SURVEY IS TO DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF THE VACUUM TEST HOLES AS MARKED ON THE SURFACE BY THE SUBSURFACE UTILITY ENGINEERING DEPARTMENT OF KEITH AND ASSOCIATES, INC. LOCATED AT 301 EAST ATLANTIC BOULEVARD, POMPANO BEACH, FLORIDA. THE SIGNING SURVEYOR IS CERTIFYING ONLY TO THE LOCATION OF THE TEST HOLES AS MARKED ON THE SURFACE.

LEGEND:

- R BASELINE
- Q CENTERLINE
- P.A.C. FLORIDA ADMINISTRATIVE CODE
- LT LEFT
- P.S.M. PROFESSIONAL SURVEYOR AND MAPPER
- RT RIGHT
- V.V.H. VERIFIED VERTICALLY HORIZONTALLY

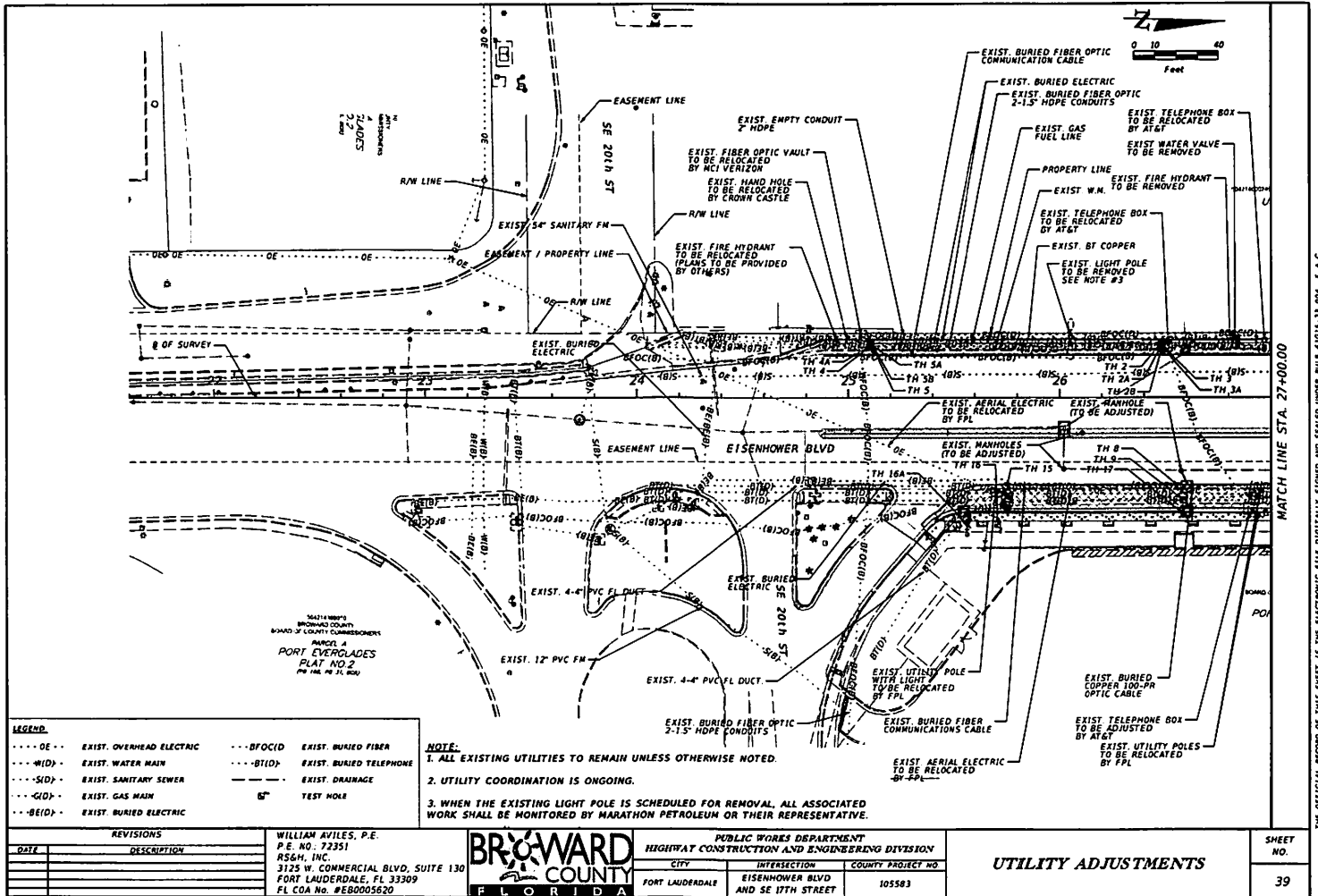
LIMITS: EISENHOWER BOULEVARD FROM SE 20TH STREET TO SE 17TH STREET

SURVEYOR'S CERTIFICATION:

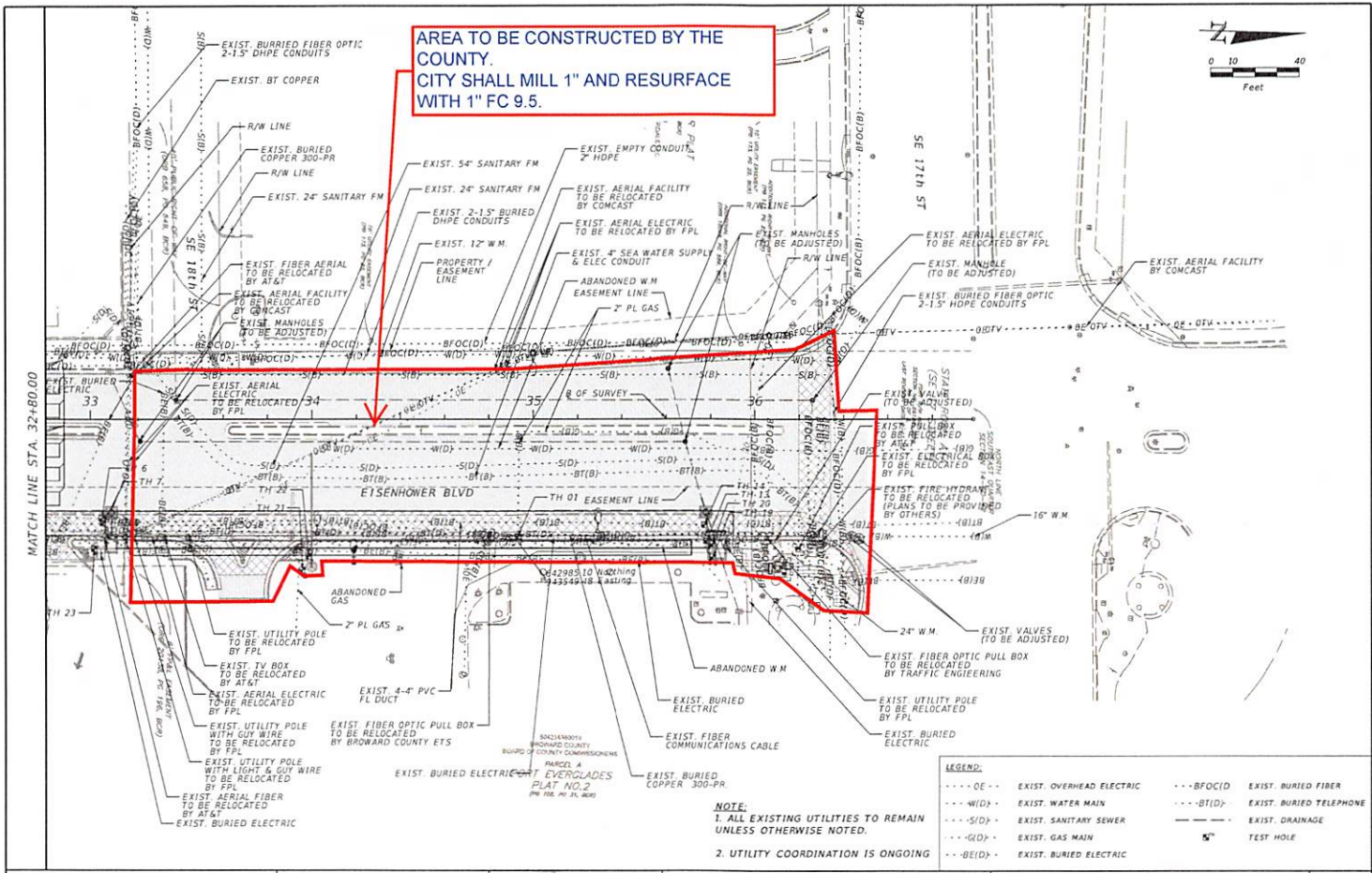
I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE UTILITY VACUUM EXCAVATIONS, AS MARKED ON THE SURFACE, FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 51-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET T-17 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON NOVEMBER 17, 2020.

REVISIONS		ERIC E. WILHELM, P.S.M. FLORIDA REGISTRATION NO. 5872 KEITH AND ASSOCIATES, INC. 301 EAST ATLANTIC BLVD POMPANO BEACH, FL 33068	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			SUMMARY OF VERIFIED UTILITIES	SHEET NO. 38
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BOULEVARD AND SE 17TH STREET	105583		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 51F002, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61014-23.004, F.A.C.



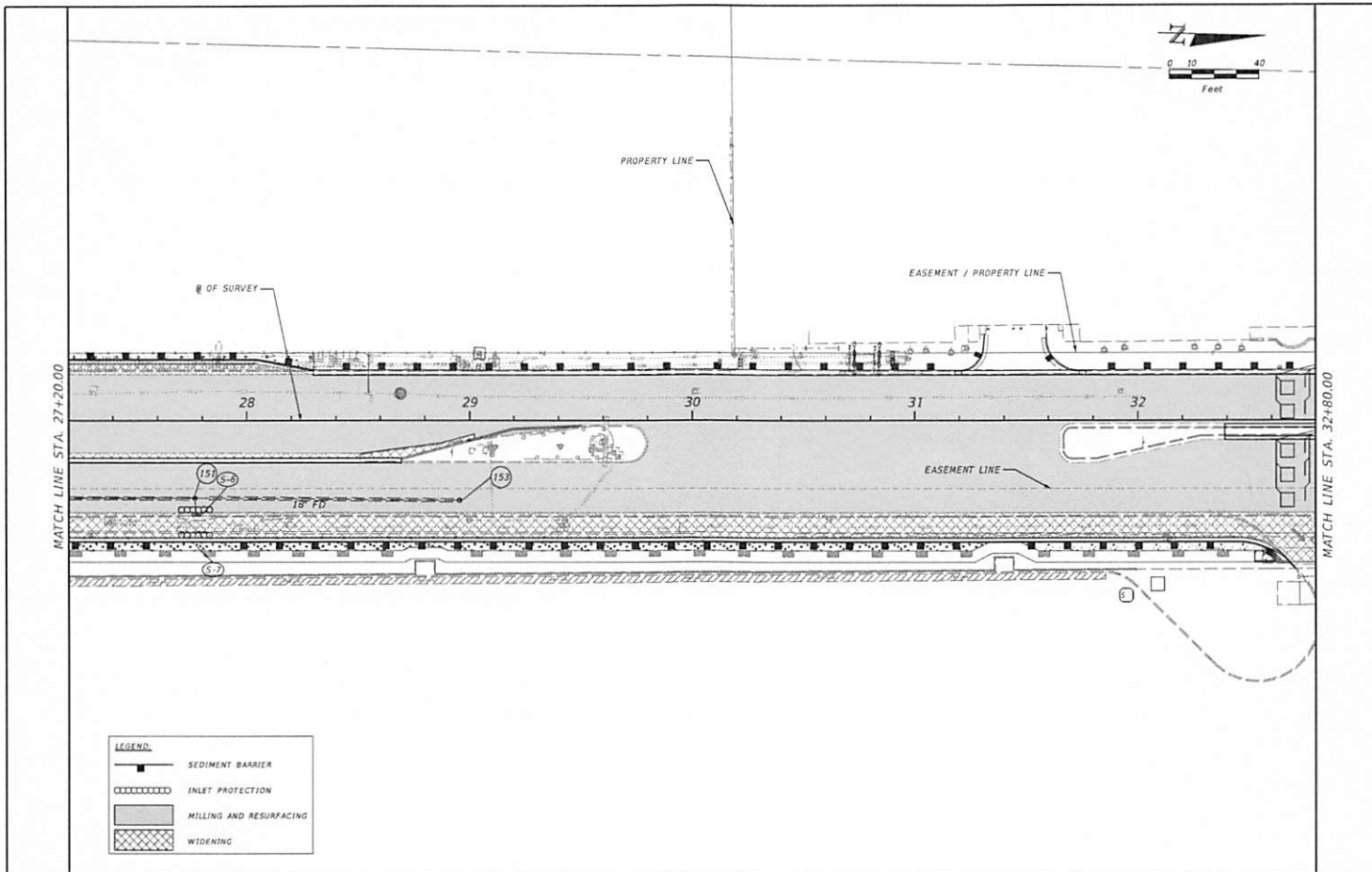
REVISIONS	
DATE	DESCRIPTION


WILLIAM AVILES, P.E.
P.E. NO. 72351
RS&H, INC.
3125 W. COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA No. #E80005620



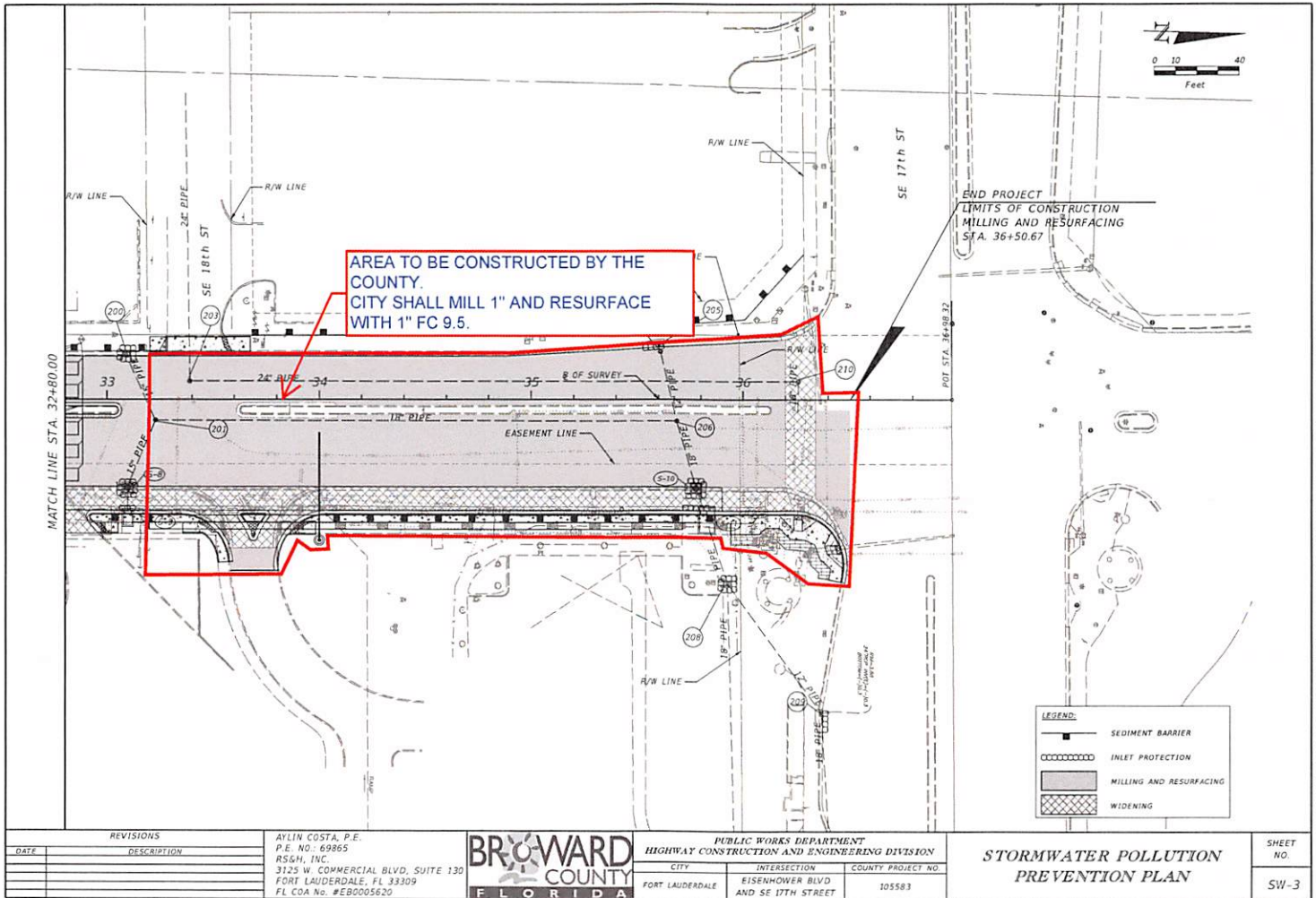
PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

UTILITY ADJUSTMENTS	
SHEET NO.	
41	



REVISIONS		AYLIN COSTA, P.E. P.E. NO.: 69865 RS&H, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA NO. #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.	
DATE	DESCRIPTION			CITY	INTERSECTION		COUNTY PROJECT NO.	SW-2
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET		105583	
				1/17/2024 10:40 17.44 4:545104005.00172 BY: SEV - E:\broward\Broward and SE 17th Street\Stormwater				

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 610515-23.004, F.A.C.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 610515-23.004, F.A.C.

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1) THIS TOPOGRAPHIC SURVEY WAS PREPARED FOR USE IN THE DESIGN OF A NORTH BOUND RIGHT TURN LANE ON EISENHOWER BOULEVARD FROM THE BROWARD CONVENTION CENTER ENTRANCE TO SE 17TH STREET.

- 2) THE MEASUREMENTS SHOWN HEREON ARE EXPRESSED IN FEET AND DECIMAL PARTS THEREOF.

- 3) SOURCES OF INFORMATION USED IN THE PREPARATION OF THIS SURVEY ARE AS FOLLOWS:

- SOURCES OF INFORMATION USED IN THE PREPARATION OF THIS SURVEY ARE AS FOLLOWS:
- A) "PORT EVERGLADES PLAT NO. 2" AS RECORDED IN PLAT BOOK 108, PAGE 31.
 - B) "50 AC LORES" AS RECORDED IN PLAT BOOK 26, PAGE 44.
 - C) "PORT EVERGLADES SUBDIVISION OF GOVERNMENT LOT-8" AS RECORDED IN PLAT BOOK 26, PAGE 44.
 - D) "BELCHER SUBDIVISION" AS RECORDED IN PLAT BOOK 26, PAGE 3.
 - E) "MILITARY PLAT NO. 11" AS RECORDED IN PLAT BOOK 155, PAGE 12.
 - F) "SEMIANHER PLAT" AS RECORDED IN PLAT BOOK 173, PAGE 22.
 - G) "EARTHEN ASPHALT PLAT" AS RECORDED IN PLAT BOOK 135, PAGE 47.
 - H) "1301 PLAT" AS RECORDED IN PLAT BOOK 135, PAGE 49.
 - I) "EVERGLADES CORPORATE PLAZA ADDITION" AS RECORDED IN PLAT BOOK 136, PAGE 6.
 - J) MISCELLANEOUS MAP BOOK 5, PAGE 14.
 - K) DEED BOOK 237, PAGE 487.
 - L) OFFICIAL RECORDS BOOK 6158, PAGE 549.
 - M) OFFICIAL RECORDS BOOK 1502, PAGE 340.
 - N) OFFICIAL RECORDS BOOK 28697, PAGE 583.
 - O) OFFICIAL RECORDS BOOK 41670, PAGE 361.
 - P) OFFICIAL RECORDS BOOK 16475, PAGE 360.
 - Q) OFFICIAL RECORDS BOOK 15046, PAGE 30.

(ABOVE REFERENCED PLATS AND OTHER DOCUMENTS ARE RECORDED IN PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, UNLESS OTHERWISE STATED).

- 4) HORIZONTAL FEATURES DEPICTED HEREON BY SYMBOL ARE LOCATED AT THE CENTER OF THE SYMBOL.

- 5) HORIZONTAL FEATURES SHOWN HEREON ARE PLOTTED TO WITHIN 1/20th OF THE MAP SCALE

- 6) HORIZONTAL AND VERTICAL DATA SHOWN HEREON WAS OBTAINED UTILIZING A 2D TOTAL STATION AND AN ELECTRONIC DATA COLLECTION SYSTEM.

- 7) NO SUBSURFACE FEATURES WERE LOCATED FOR THE PURPOSES OF THIS SURVEY EXCEPT AS SHOWN.

- B) ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

- 9) BENCHMARK REFERENCE: NATIONAL GEODETIC SURVEY BENCH MARK PID AD2480, DESIGNATION F 219; 4 C&GS BM DISC AT PORT EVERGLADES, AT THE U.S. CUSTOMS

- DESIGNATION F 23, A GRUS BM DISC AT FORT EVERGLADES, AT THE U.S. CUSTOM HOUSE, SET ON TOP AND AT THE NORTHEAST CORNER OF AN EXTENDED PART OF THE CONCRETE FOUNDATION OF THE CUSTOMS HOUSE, 56' SOUTH OF THE

- CENTERLINE OF SOUTHEAST 24 STREET (PORT ROAD), 10' EAST OF THE CENTER OF THE MAIN ENTRANCE AT NORTH SIDE OF BUILDING, 6" NORTH OF THE NORTH FACE

- OF THE BUILDING AND 2.6' ABOVE THE LEVEL OF THE SIDEWALK.
ELEVATION=8.17 (NAVD 88).

- 10) STATE PLANE COORDINATES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICA DATUM OF 1983 WITH THE 2011 ADJUSTMENT (EPOCH 2010.0000) FLORIDA EAST

- ZONE STATE PLANE. THE FOLLOWING METHODS WERE UTILIZED TO ORIENT THE PROJECT. A TRADITIONAL TOTAL STATION TRAVERSE WAS PERFORMED FOR THE

- LENGTH OF THE PROJECT. CONTROL STATIONS WERE THEN OBSERVED USING A SPECTRA SP80 GLOBAL POSITION SYSTEM RECEIVER WITH A REAL TIME KINEMATIC CORRECTION FROM THE GLOBAL POSITIONING SYSTEM TRANSFER STATION. (U.S. NAVY)

- CORRECTIONS FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION - FLORIDA
PERMANENT REFERENCE NETWORK. THE CONTROL STATIONS LOCATIONS WERE THEN
ROTATED AND TRANSLATED TO BEST FIT THE GPS OBSERVATIONS

- 11) NOT VALID WITHOUT THE ORIGINAL RAISED SEAL AND THE SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER

- 12) THE UNDERSIGNED PROFESSIONAL SURVEYOR AND MAPPER HAS NOT BEEN PROVIDED A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING TITLE OR

- A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING TITLE OR BOUNDARY OF THE SUBJECT PROPERTY. IT IS POSSIBLE THAT THERE ARE DEEDS ON RECORD, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS THAT COULD

- 13) SEE ASSOCIATED PROJECT NETWORK CONTROL SHEET FOR BASELINE OF SURVEY

- DATA.



- 3 ANCHOR
- CONCRETE LIGHT POLE
- CONCRETE SIGNAL POLE
- MAN HOLE
- WATER VALVE
- PAVING CURBING BOX
- SAVATYRE MARKER
- APPROXIM. VALUE
- APPROXIM. VALUE
- V
- WATER VALVE
- TELEPHONE BOX
- ROAD LIGHT POLE
- STOP MARKER
- STOP
- CULVERT
- APPROXIM. BOX
- FLOW LINE
- SPOTLIGHT
- FLOOD LIGHT
- ALUMINUM LIGHT/STREETMOUNT SIGNAL POLE
- ELECTRICAL METER BOX
- APPROXIMATE
- P 3.6.2 SIGN GLASSING
- FIRE HYDRANT
- BALANCE
- CONCRETE LIGHT POLE
- MAN LIGHT POLE
- FIRE BOX
- GASEOUS PREVENT
- SEWER VALVE
- TELEPHONE MARKER
- TELEPHONE BOX
- BACKFLOW PREVENTER
- BOX
- GAS VALVE
- ONLY BOX
- ELECTRICAL MARKER
- ELECTRIC BOX
- LAMPHOUSE BOX
- CROWN OUT
- FLAG POLE
- LAMPHOUSE VALVE
- FIRE DETECTION CONNECTION
- LAMPHOUSE BOX
- METER
- HIGH PRESSURE PETROLEUM LINE MARKER
- GASFLOW PROTECTION COVER
- ANCHOR POLE

C = CONCRETE
 CONC = CONCRETE
 F = FINISH
 IN = INSTANT INCREMENT
 I = IMPROVED
 LF = LEAK-PROOF FINISH
 PL = PLAST BOARDS
 PR = OPTICAL RECORDING BOARD
 P = PAINT
 R = REINFORCED CONCRETE RECORDERS
 RL = RECORDERS
 ELEV = ELEVATION
 SW = SWITCHBOARD
 TM = TOP OF BANK
 TS = TOP OF SLOPE
 V = VENTILATION
 W = AIR CONDENSER
 W = WAREHOUSE
 A = ANCHOR
 B = BRIDGE
 S = INSPECTION SUPERVISOR
 AND SURVEY
 C = CORRUGATED METAL PIPE
 RCP = REINFORCED CONCRETE PIPE
 CP = POLYMER COLOURED PIPE
 CP = CAST IRON PIPE
 P = PULLDOWN RETENTION BUTTLE
 M = MEAN
 R/R = RIGIDITY OF
 N = NON-VOLATILE
 ACCESS (FAN)

- ☐ FIGURE
- ☒ (SHADE) LAND
- ☐ ONE
- ☒ PALM TREE
- ☐ (UN)KNOWN
- ☒ (SHADE) PALM

I HEREBY CERTIFY THAT THIS TOPOGRAPHIC SURVEY AND THE FIELD SURVEY UPON WHICH IT IS BASED ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM AGRANTED UNDER MY QUALIFICATION AND EXPERIENCE CERTIFICATE THE RIGHT TO PRACTICE AS A SURVEYOR IN THE STATE OF FLORIDA (CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE) PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

LATEST DATE OF FIELD SURVEY: 4-23-2020

ERIC B AUGUSTO, P.S.M.
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NUMBER 5695

DATE _____

					FIELD SURVEY	PUCKETT	4-23-20
					GRANBY ST	AUGUSTO	8-4-20
					CHECKED BY	AUGUSTO	8-4-20
					SURVEY DATE:	4-23-20	
1	8-16-20	LOWEST ENG AND PPE AT 22 COW TRANSDUCER	CA		FILE NAME:	FIELD BOOK # 19-4	
	AGL DATE	REVISION			83-2011 Bull risk	2019-028	TEPJD.COM



BROWARD
COUNTY

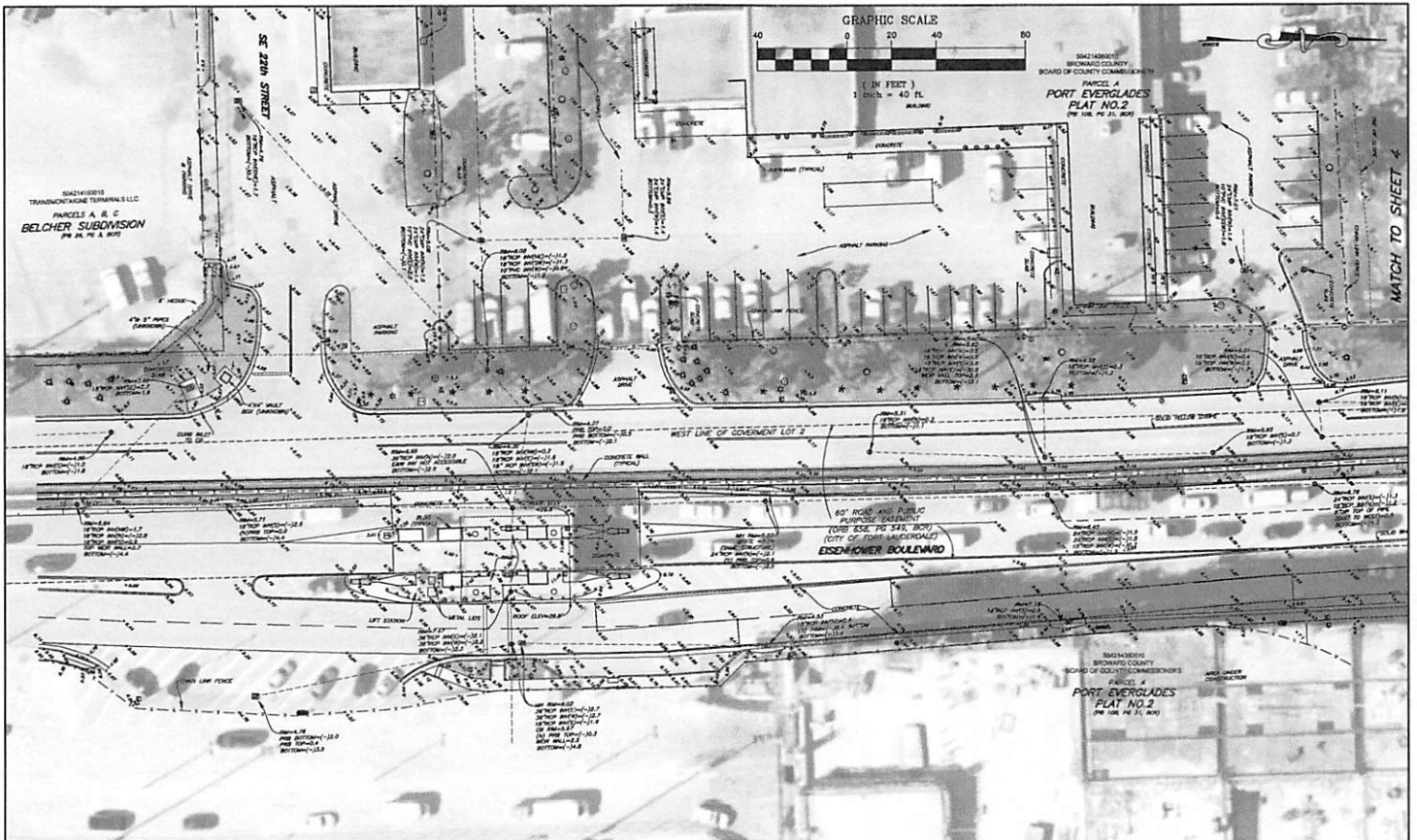
PUBLIC WORKS AND TRANSPORTATION DEPARTMENT
HIGHWAY CONSTRUCTION AND
ENGINEERING DIVISION


1 N UNIVERSITY DRIVE, SUITE 300, PLANTATION FL 33324
PHONE: (954) 377-4555 FAX: (954) 357-8718

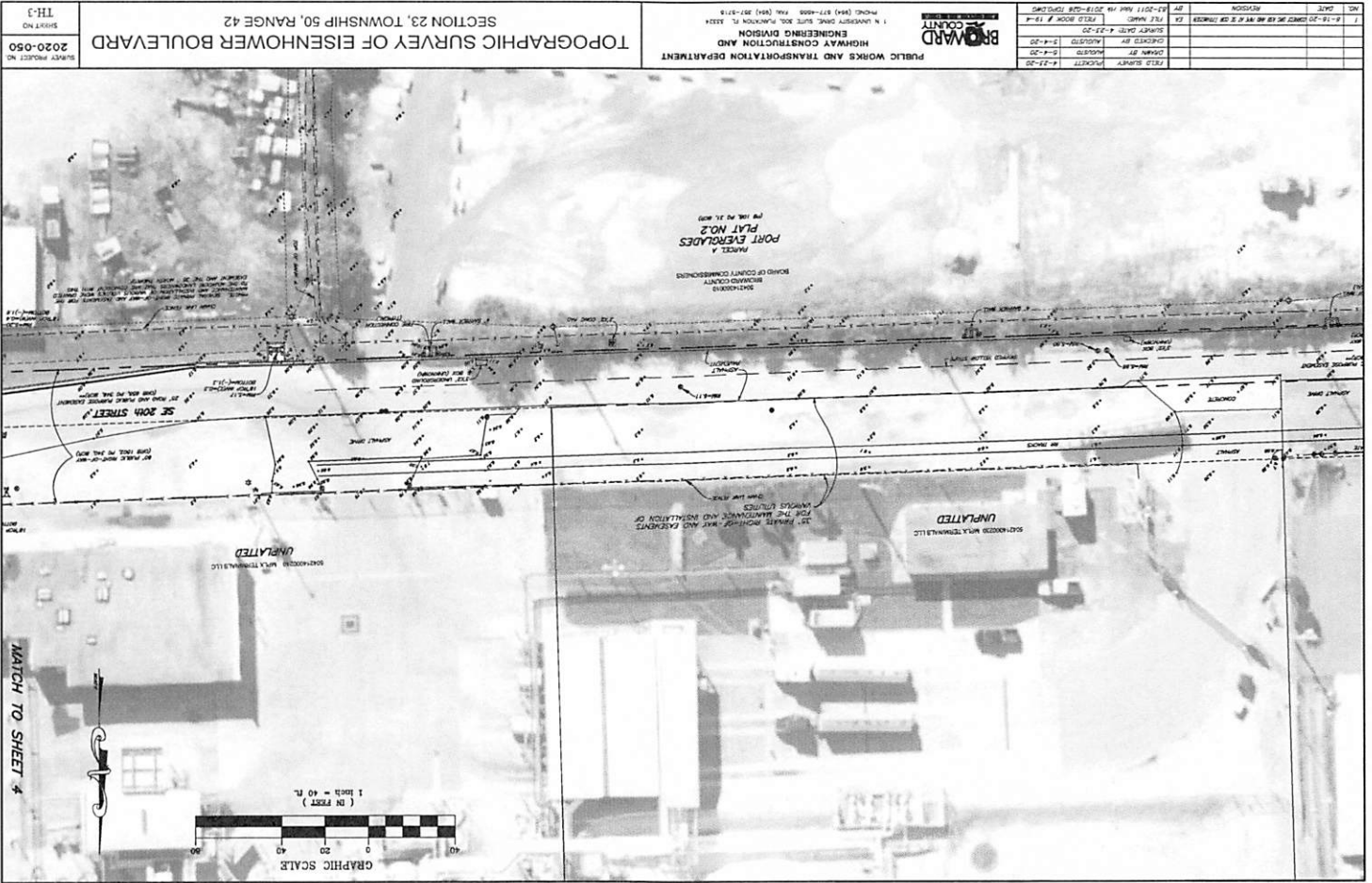
TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD
SECTION 23, TOWNSHIP 50, RANGE 42

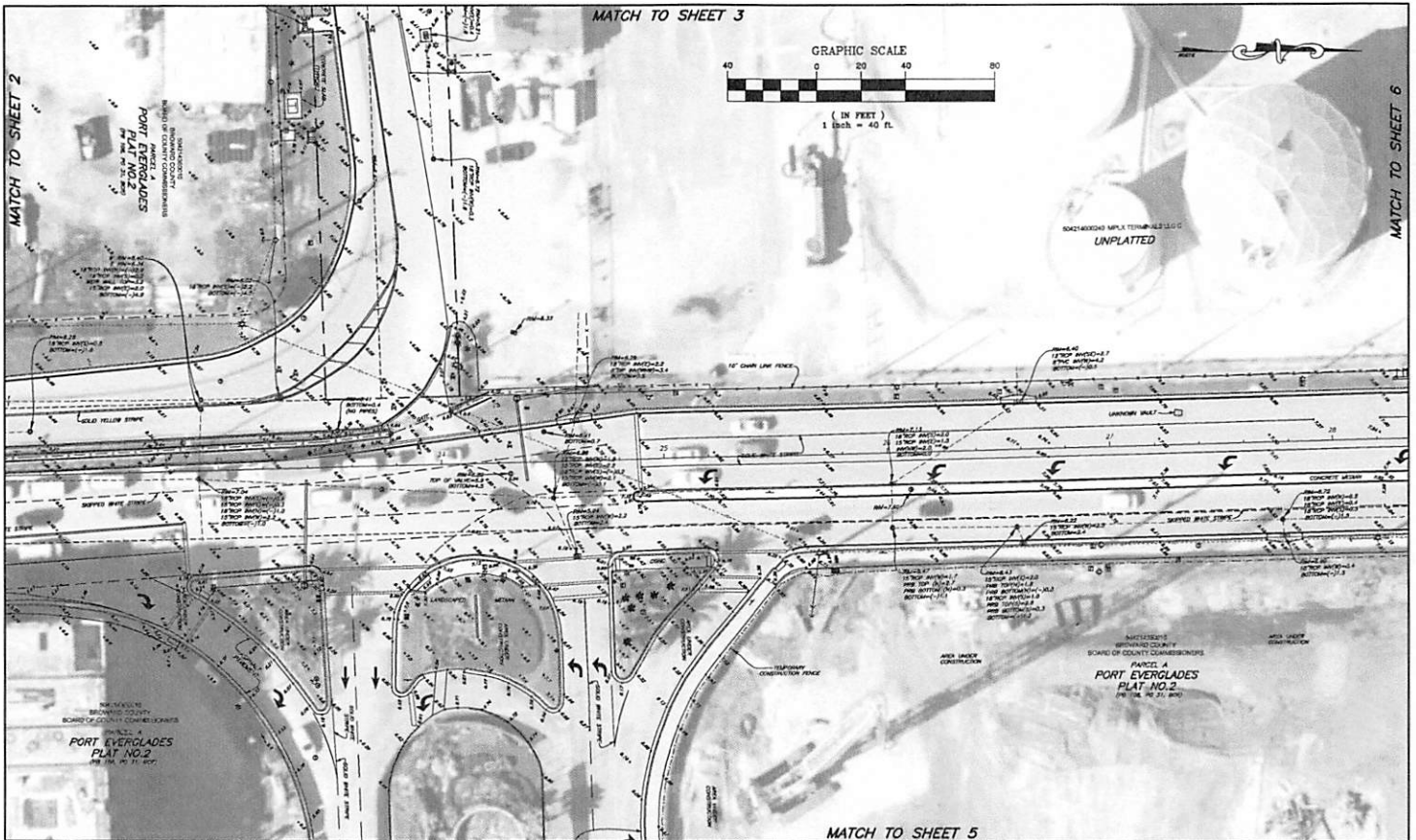
SURVEY PROJECT NO
0000 050

SHEET NO.

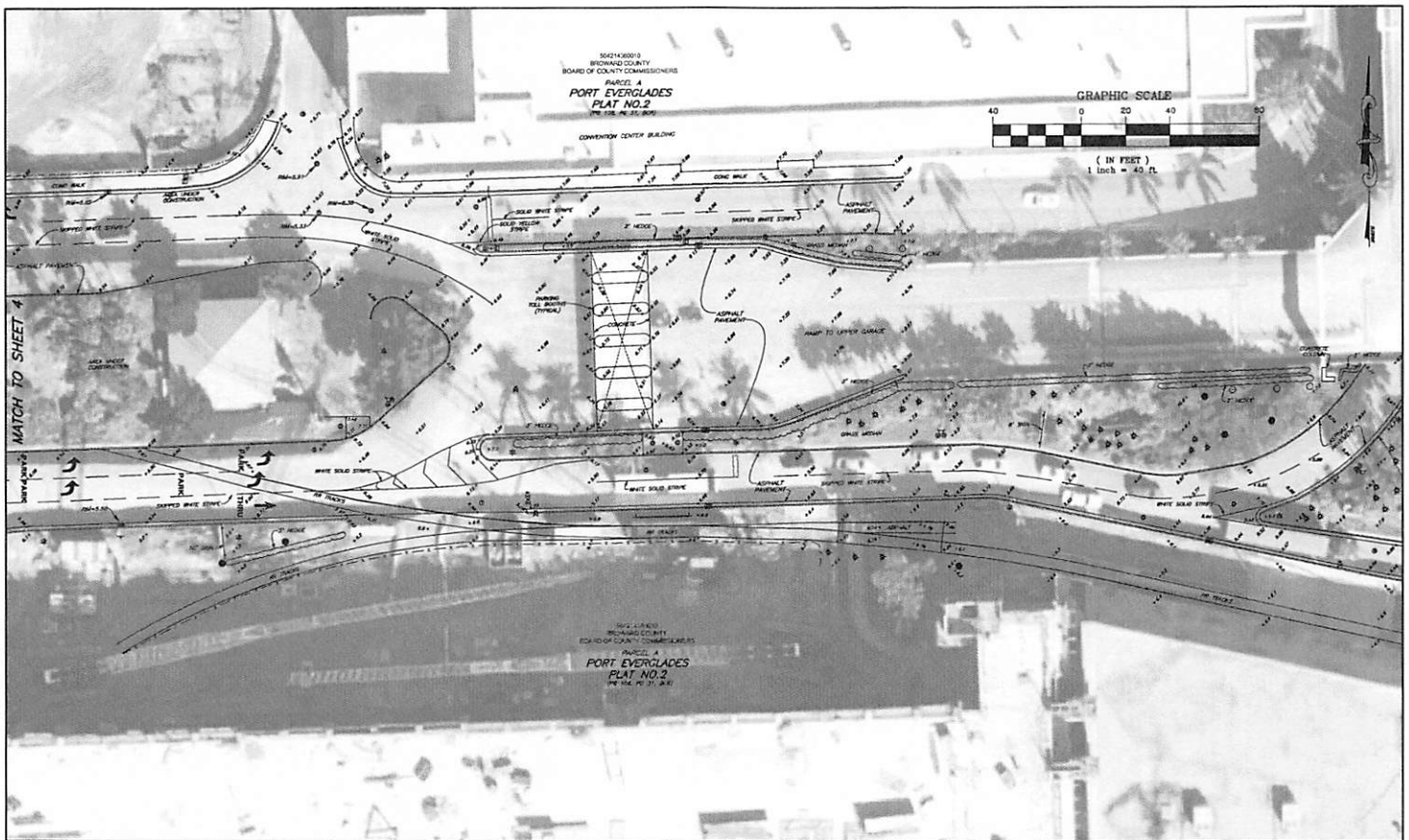


			FIELD SURVEY	PLACKETT	4-23-20	 <p>PUBLIC WORKS AND TRANSPORTATION DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION 1 N UNIVERSITY DRIVE, SUITE 300, PUNAHON, FL 33524 PHONE: (888) 877-4888 FAX: (888) 887-8778</p>	<p>TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD SECTION 23, TOWNSHIP 50, RANGE 42</p>	<p>SURVEY PROJECT NO. 2020-050</p> <p>SHEET NO. TH-2</p>
			DRAWN BY	AUGUSTO	5-4-20			
			CHECKED BY	AUGUSTO	5-4-20			
			SURVEY DATE:	4-23-20				
			FILE NAME:	FIELD BOOK # 19-4				
1	8-18-20	CONVEY AND FOR THE NEW 4" IS TOP TO BOTTOM	EX					
NO.	DATE	REVISION	BY	8-1-2011	Rev. 19-2018-2020 TOPOL DMS			

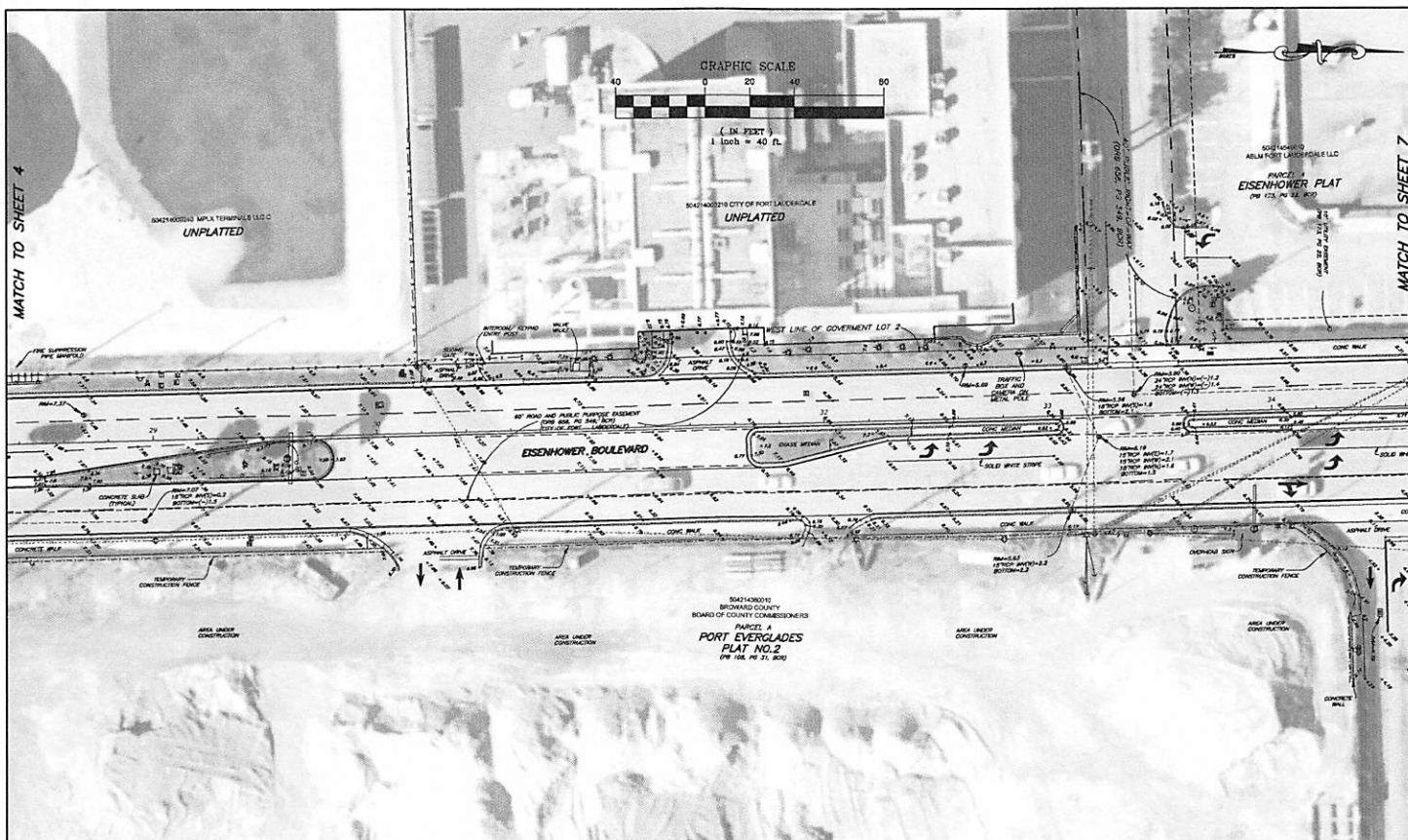




<p>1. 8-18-20 CORRECT ONE FOR AND WHY AT 12 COR. STATION</p> <p>NO. DATE REVISION</p>	<p>FIELD SURVEY: PUCKETT 4-27-20</p> <p>DRAWN BY: AUGUSTO 5-4-20</p> <p>CHECKED BY: AUGUSTO 5-4-20</p> <p>SURVEY DATE: 4-27-20</p> <p>FILE NAME: FIELD BOOK # 19-4</p> <p>BY: 8/1-2011 BROWARD 2018-GAR TOPOLONG</p>	<p>BROWARD COUNTY</p> <p>PUBLIC WORKS AND TRANSPORTATION DEPARTMENT</p> <p>HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION</p> <p>1 N UNIVERSITY DRIVE, SUITE 300, PLANTATION, FL 33324</p> <p>PHONE: (954) 977-6888 FAX: (954) 357-9718</p>	<p>TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD</p> <p>SECTION 23, TOWNSHIP 50, RANGE 42</p>	<p>SURVEY PROJECT NO. 2020-050</p> <p>SHEET NO. TH-4</p>
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FIELD SURVEY: JUNE 2011 DRAWN BY: JUNE 2011 CHECKED BY: JUNE 2011 SURVEY DATE: 4-23-20 FILE NAME: FIELD BOOK # 18-4 NO. DATE REVISION BY		PUBLIC WORKS AND TRANSPORTATION DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION 1 N. UNIVERSITY DRIVE, SUITE 300, PLANTATION, FL 33324 PHONE: (954) 871-4000 FAX: (954) 261-8718		SURVEY PROJECT NO. 2020-050 SHEET NO. TH-5
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		FIELD SURVEY	BUCKETT	4-23-20
		DRAWN BY	AUGUSTO	5-4-20
		CHECKED BY	AUGUSTO	5-4-20
		SURVEY DATE	4-23-20	
1	8-16-20	CONVERTED TO 8-16-20 BY 4-23-20	FILED NAME	FILED BOOK # 19-4
NO.	DATE	REVISION	BY	8-1-2011 RAN FOR 2019-SUR TPTOLONG




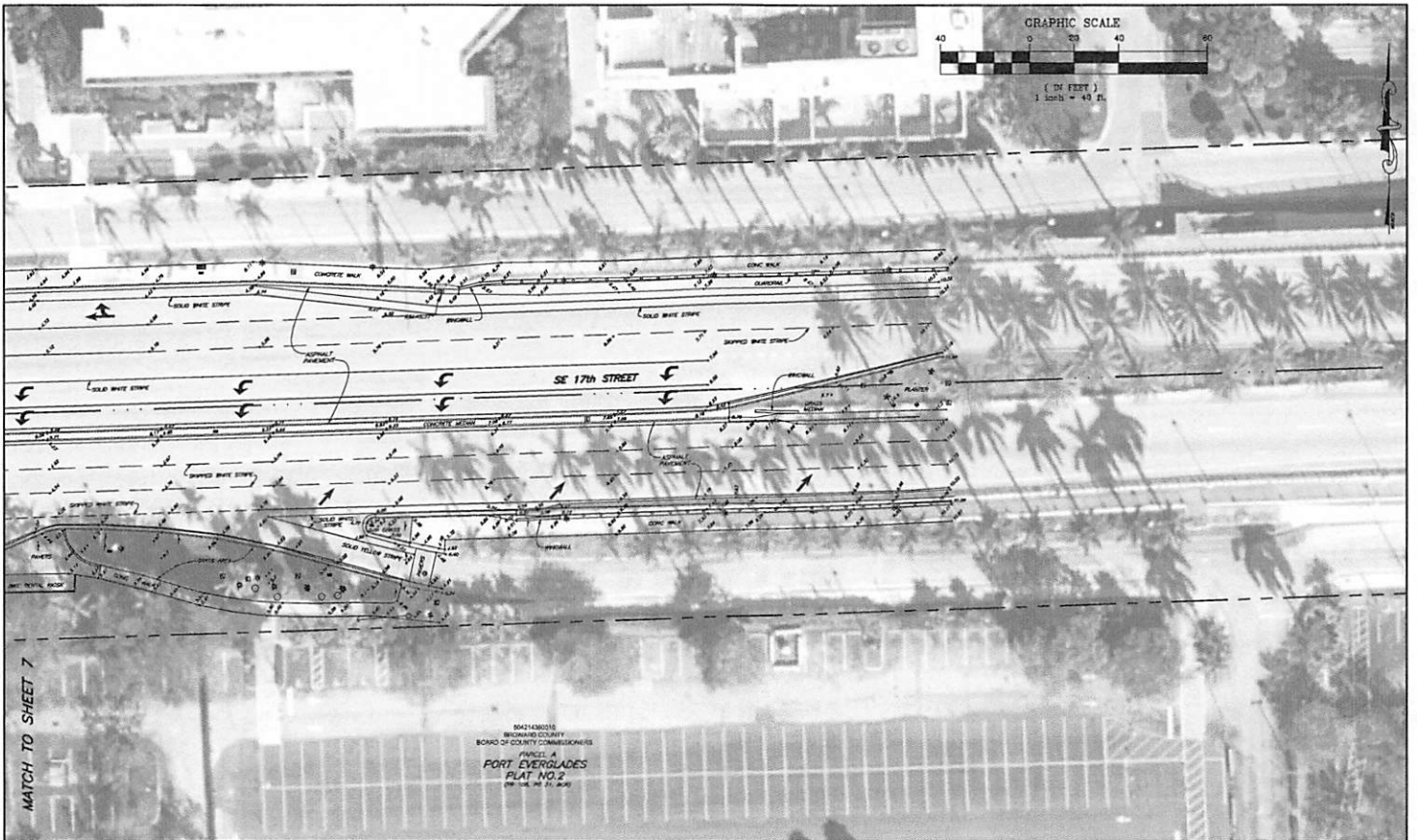
PUBLIC WORKS AND TRANSPORTATION DEPARTMENT
HIGHWAY CONSTRUCTION AND
ENGINEERING DIVISION
1 N UNIVERSITY DRIVE, SUITE 300, PLANTATION, FL 33324
PHONE (954) 877-4855 FAX (954) 267-5718

TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD
SECTION 23, TOWNSHIP 50, RANGE 42

SURVEY PROJECT NO.	2020-050
SHEET NO.	TH-6



		FIELD SURVEY	BUCKETT	4-23-20		PUBLIC WORKS AND TRANSPORTATION DEPARTMENT		TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD		SURVEY PROJECT NO. 2020-050	
		DRAWN BY	AUGUSTO	5-4-20		HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION					
		CHECKED BY	AUGUSTO	5-4-20		1 N UNIVERSITY DRIVE, SUITE 300, PLANTATION, FL 33324					
		SURVEY DATE:	4-23-20	PHONE: (954) 877-4000 FAX: (954) 381-8718							
1	8-16-20	CORRECT THE KIN AND RAN BY TO OUR STANDARD	EX	FILE NAME		FIELD BOOK # 19-4					
AD.	DATE	REVISION	BY	83-2011 RAN (IN 2019-02/8 TAPD.DWG)							SHEET NO TH-7



<div> <div>1</div> <div>8-18-20</div> <div>CORRECT 30' AS SHOWN</div> <div>BY: [Signature]</div> </div>	<div> <div>2</div> <div>8-18-20</div> <div>CORRECT 30' AS SHOWN</div> <div>BY: [Signature]</div> </div>	<div> <div>3</div> <div>8-18-20</div> <div>CORRECT 30' AS SHOWN</div> <div>BY: [Signature]</div> </div>	<div> <div>FIELD SURVEY</div> <div>PLACKETT</div> <div>4-23-20</div> </div> <div> <div>DRAWN BY</div> <div>AGUSTO</div> <div>5-4-20</div> </div> <div> <div>CHECKED BY</div> <div>AGUSTO</div> <div>5-4-20</div> </div> <div> <div>SURVEY DATE</div> <div>4-23-20</div> </div> <div> <div>FILE NAME</div> <div>FIELD BOOK # 19-4</div> </div> <div> <div>BY</div> <div>8-1-2011</div> <div>RAW</div> <div>1018-SUR</div> <div>TOPS.DWG</div> </div>	<div> <div>PUBLIC WORKS AND TRANSPORTATION DEPARTMENT</div> <div>HIGHWAY CONSTRUCTION AND</div> <div>ENGINEERING DIVISION</div> </div> <div> <div>BROWARD COUNTY</div> <div>1 N UNIVERSITY DRIVE, SUITE 300, PLANTATION, FL 33324</div> <div>PHONE: (954) 877-4800 FAX: (954) 261-8718</div> </div>	<div> <div>SURVEY PROJECT NO</div> <div>2020-050</div> </div> <div> <div>SHEET NO</div> <div>TH-8</div> </div>
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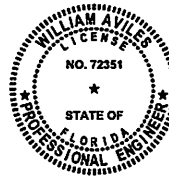
TOPOGRAPHIC SURVEY OF EISENHOWER BOULEVARD
SECTION 23, TOWNSHIP 50, RANGE 42

**BROWARD COUNTY COMMISSION
HIGHWAY CONSTRUCTION & ENGINEERING DIVISION**

**SIGNALIZATION PLANS
EISENHOWER BOULEVARD CAPACITY IMPROVEMENT PROJECT
SE 17TH ST TO SE 20TH ST
BROWARD COUNTY PROJECT NO. 105583 - PHASE 1**

INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	GENERAL NOTES
T-4	SIGNALIZATION PLAN
T-5	DRILLED SHAFT FOUNDATION AND CABINET DETAILS
T-6	POWER SERVICE DETAILS



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

SIGNALIZATION SHOP DRAWINGS
TO BE SUBMITTED TO:
MAYRA MANRIQUE, E.I.
BROWARD COUNTY PUBLIC WORKS
HIGHWAY CONSTRUCTION & ENGINEERING DIVISION
ONE N. UNIVERSITY DRIVE, BOX 8300
PLANTATION, FL 33324

PLANS PREPARED BY:
R&M, INC.
3125 W. COMMERCIAL BLVD., SUITE 130
FORT LAUDERDALE, FL 33309-3451
CERTIFICATE OF AUTHORIZATION E80005620



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

SIGNALIZATION PLANS
ENGINEER OF RECORD: WILLIAM AVILES, P.E.

P.E. NO.: 72351

BROWARD COUNTY PROJECT MANAGER: MAYRA MANRIQUE, E.I.


CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	2020	T-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER FILE #10151-23.004. P. A.C.

TABULATION OF QUANTITIES

FDOT PAY ITEM NO.	COUNTY PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
				T-5								PLAN	FINAL	PLAN	FINAL
				PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
030-2-3	02-05	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	7										7	
030-2-12	02-01	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	343										343	
032-7-3	02-18	SIGNAL CABLE, REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	343										343	
035-2-3	02-34	PULL & SPLICE BOX, 14, 12" x 24" COVER SIZE	EA	6										6	
039-1-27	02-44	ELECTRICAL POWER SERVICE, 761, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1										1	
039-2-1	02-48	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	5										5	
039-3-3	02-51	ELECTRICAL SERVICE DISCONNECT, 761, POLE MOUNT	EA	1										1	
141-7-12	02-53	PRESTRESSED CONCRETE POLE, 761, TYPE P-31 SERVICE POLE	EA	1										1	
160-2-108		LOOP ASSEMBLY, 761, TYPE F	AS	3										3	
170-5-500		TRAFFIC CONTROLLER ASSEMBLY, RELOCATE CONTROLLER WITH CABINET	AS	1										1	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 6103.01-23.004, F.A.C.

REVISIONS DATE DESCRIPTION		WILLIAM AVILES, P.E. P.E. NO. 72351 R5&H, INC. 3125 W COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION CITY INTERSECTION COUNTY PROJECT NO. FORT LAUDERDALE EISENHOWER BLVD AND SE 17TH STREET 105583	TABULATION OF QUANTITIES SHEET NO. T-2
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2/17/2012 10:50:54 AM I:\PROJECTS\24712 BC SEC - Eisenhower Blvd and SE 17th Street\Reports\10021001.dgn

SIGNAL GENERAL NOTES

- [illegible]

2. APPROVAL OF SHOP DRAWINGS SHALL NOT CONSTITUTE A WARRANTY THAT THE SIGNAL EQUIPMENT COMPLIES WITH THE STANDARDS OF THE MAINTAINING AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE PROPOSED SIGNAL EQUIPMENT MEETS THE REQUIREMENTS SPECIFIED IN THE CONTRACT, SPECIFICATIONS AND CONTRACT PLANS.
3. THE VIDEO DETECTION SYSTEM SHALL BE IN ACCORDANCE TO THE TECHNICAL SPECIFICATIONS INCLUDED IN THE "VEHICLE DETECTION BY IRAN MOTES" DOCUMENT POSTED ON THE BROWARD COUNTY TRAFFIC ENGINEERING WEBSITE AT: www.broward.org/traffic-engineering/vehicle-detection-by-iran-motes.

DEPARTMENT OF THE ARMY
P.O. BOX 2455
FORT MONROE, VA 23060-2455
TEL: 703/681-5000
FAX: 703/681-5001
WWW.ARMY.MIL

- [illegible]

- SIGNAL INSPECTION. ABSENCE OF SUCH RECEIPT SHALL BE RECORDED ON THE PUNCH LIST AS AN ITEM TO BE CORRECTED PRIOR TO FINAL APPROVAL OF THE INSTALLATION.**

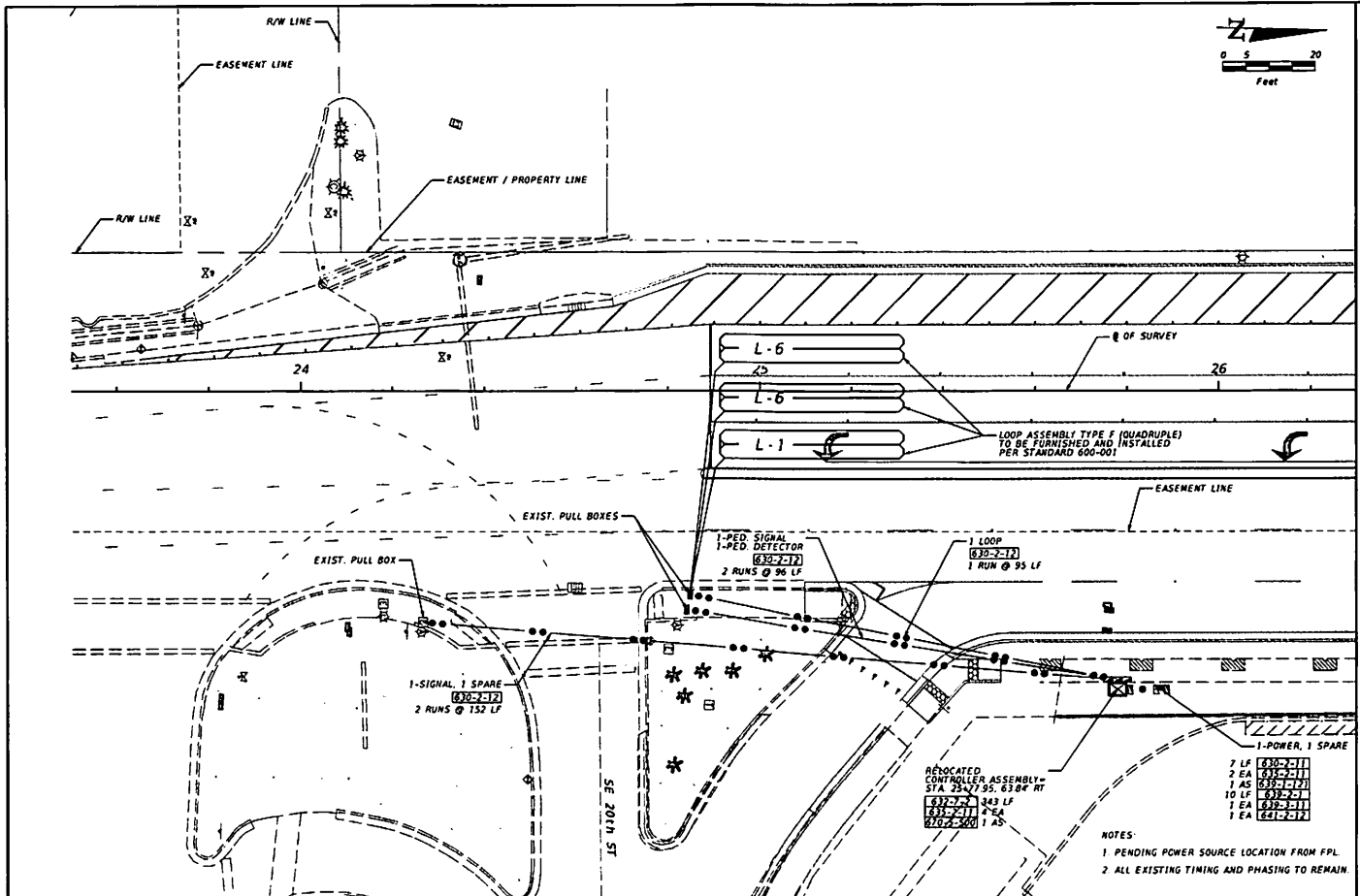
DEPARTMENT

ENGINEERING DIVISION	COUNTY PROJECT NO.
105503	

APARTMENT	COUNTY PROJECT NO.
ENGINEERING DIVISION	105503

COUNTY PROJECT NO.

105503	LVD REET
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REVISIONS	
DATE	DESCRIPTION

WILLIAM AVILES, P.E.
 P.E. NO.: 72351
 RSGM, INC.
 3125 W. COMMERCIAL BLVD, SUITE 130
 FORT LAUDERDALE, FL 33309
 FL COA #EB0005620



PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

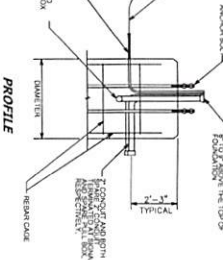
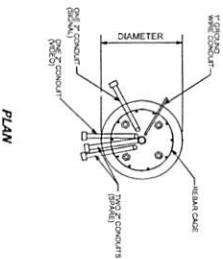
SIGNALIZATION PLAN

- NOTES:
- PENDING POWER SOURCE LOCATION FROM FPL.
 - ALL EXISTING TIMING AND PHASING TO REMAIN.

SHEET NO.
T-4

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61013-23.004, F.A.C.

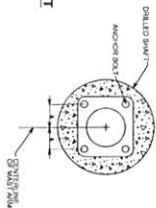
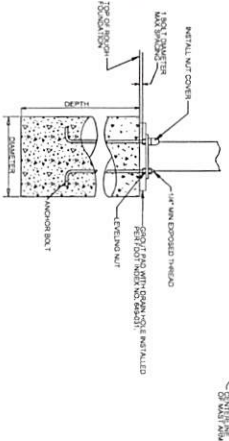
FOUNDATION CONDUIT DETAIL



NOTE:
 1. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 2. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 3. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 4. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 5. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 6. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 7. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 8. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 9. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.
 10. FOUNDATION IS REQUIRED TO BE 2' DIA. MIN. IN THE SHAFT CONCRETE.

UPRIGHT BASE PLACEMENT ON DRILLED SHAFT

UPRIGHT TO DRILL SHAFT CONNECTION DETAIL



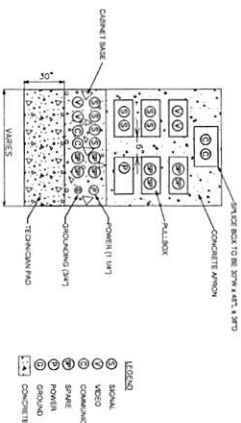
CABINET INSTALLATION NOTES

1. TOP OF CABINET BASE SHALL BE AT LEAST 2' ABOVE THE FINISHED GRADE.
2. FOLLOW FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
3. CABINET BASE SHALL BE OF CLASS 1, 3000 PSI CONCRETE.
4. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
5. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
6. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
7. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
8. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
9. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.
10. CONCRETE SHALL BE 15' MIN. THICK AND 15' MIN. WIDE.

DRILLED SHAFT NOTES

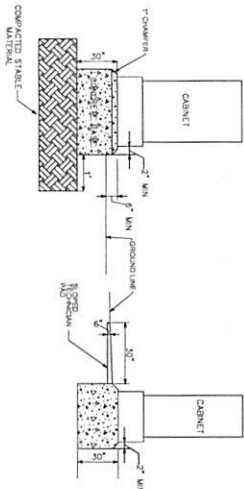
1. DRILLED SHAFT CONSTRUCTION SHOULD BE IN ACCORDANCE WITH SECTION 455 OF FOOT
2. NOTES TO AUGER 2007 WITH WFL, DRAWING 50300-004 FOR WFL AND ASSEMBLY
3. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
4. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
5. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
6. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
7. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
8. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
9. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.
10. SEE FOOT INDEX 159-01 FOR ANY ADDITIONAL DETAILS.

PULL BOX CABINET CONDUIT DETAILS



NOTE:
 ALL CONDUIT SHALL BE 2" IN DIAMETER, UNLESS OTHERWISE SPECIFIED.

CABINET PAD DETAIL

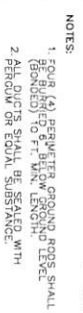
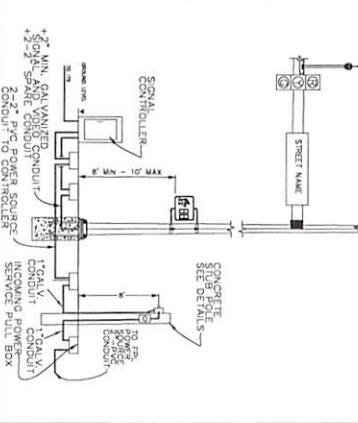
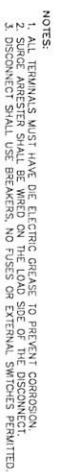


DATE	REVISIONS	DESIGN BY	SCALE	SHEET NO.
04-21-2016	DESCRIPTION	REBECCA MARTINEZ P.E.	SCALE: NTS	1-5
09-03-2017	N/A	DESIGNED BY: STEPHEN RAMOUZAR		
06-14-2018	UPDATED FOOT INDEX REFERENCE	CHECKED BY: JESS DAVOU, P.E.		




PUBLIC WORKS DEPARTMENT
 TRAFFIC ENGINEERING DIVISION
 SCALE: NTS

DRILLED SHAFT FOUNDATION
 AND CABINET DETAILS



1. GROUND CAN BE BORED TO 50" MIN. DEPTH AND 10" MIN. DIAMETER. (SEE SHOWN)
2. NEW INSTALLATIONS REQUIRE COMPLETE HARDWARE AS SHOWN FOR THAT PULL. INSTALLATION OF EXISTING SIGNALS REQUIRE NEW SERVICE WIRE, SECOND BREAKER, CONDUIT RISER AND OTHER ASSOCIATED HARDWARE FOR A COMPLETE AND OPERATIONAL FINISHED PRODUCT. GROUNDING IS REQUIRED FOR ALL PROJECTS.
3. POWER SERVICE PAY ITEM DOES NOT INCLUDE PULL BOXES.
4. DISCONNECT STUB POLE TO BE LOCATED WITHIN 50' OF POWER SQUARE. IF DISTANCE FROM STUB POLE TO CONTROL CABINET IS GREATER THAN 250', ADD A SECOND STUB POLE AND SERVICE DISCONNECT WIRE TO BE ORIENTED ON SIDE OF CONCRETE POLE SO WHEN REMOVING IT YOU ARE FACING ON-COMING TRAFFIC.
5. MINIMUM CLEARANCE FROM BOTTOM OF APPLE TO EARTH IS TO BE 8 FEET.
6. METER TO BE ORIENTED ON SIDE OF CONCRETE POLE SO WHEN REMOVING IT YOU ARE FACING ON-COMING TRAFFIC.
7. TERMINAL CONDUITS IN WETTER SOCKET AND SERVICE DISCONNECT WITH INSULATED GROUNDING-BUSING WITH SOLID-LESS LUG.

REVISIONS		 BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION		POWER SERVICE DETAILS	SHEET NO. T-6
DATE	DESCRIPTION					
03-22-2017	N/A					
01-10-2018	UPDATED STREET NAME SIGN LOCATION					
07-29-2019	UPDATED NOTES					
			DESIGN BY: REBECCA MARTINEZ, P.E. SCALE: NTS			
			DRAWN BY: STEPHEN RAMOUX CHECKED BY: YVES DANILOU, P.E.			

BROWARD COUNTY COMMISSION
HIGHWAY CONSTRUCTION & ENGINEERING DIVISION

SIGNING AND PAVEMENT MARKING PLANS

EISENHOWER BOULEVARD CAPACITY IMPROVEMENT PROJECT
SE 17TH ST TO SE 20TH ST
BROWARD COUNTY PROJECT NO. 105583

**INDEX OF SIGNING AND
PAVEMENT MARKING PLANS**

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3	TABULATION OF QUANTITIES
S-4	GENERAL NOTES
S-5 THRU S-7	SIGNING AND PAVEMENT MARKING PLANS
S-8	GUIDE SIGN WORKSHEET
S-9	PAVEMENT MARKINGS AND SIGNS DETAIL SHEET
S-10	OVERHEAD SIGN CROSS SECTION
S-11	CANTILEVER SIGN STRUCTURE DATA TABLE
S-12	REPORT OF CORE BORING

SIGNING AND PAVEMENT MARKING SHOP DRAWINGS
TO BE SUBMITTED TO:

MAYRA MANRIQUE, E.I.
BROWARD COUNTY PUBLIC WORKS
HIGHWAY CONSTRUCTION & ENGINEERING DIVISION
ONE N. UNIVERSITY DRIVE, BOX 8300
PLANTATION, FL 33324

PLANS PREPARED BY:
RS&H, INC.
3125 W. COMMERCIAL BLVD., SUITE 130
FORT LAUDERDALE, FL 33309-3451
CERTIFICATE OF AUTHORIZATION EB0005620



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

SIGNING & PAVEMENT MARKING PLANS
ENGINEER OF RECORD: WILLIAM AVILES, P.E.

P.E. NO.: 22351

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	2020	S-1

BROWARD COUNTY PROJECT MANAGER: MAYRA MANRIQUE, E.I.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61B15-23.004, F.A.C.



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SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL
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RS&H, INC.
3125 W COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FLORIDA 33309
CERTIFICATE OF AUTHORIZATION NO. 5620
WILLIAM AVILES, P.E. NO. 72351

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	SIGNATURE SHEET
S-3	TABULATION OF QUANTITIES
S-4	GENERAL NOTES
S-5 THRU S-7	SIGNING AND PAVEMENT MARKING PLANS
S-8	GUIDE SIGN WORKSHEET
S-10	OVERHEAD SIGN CROSS SECTION



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

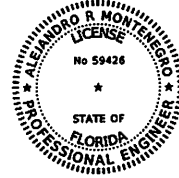
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RS&H, INC.
3125 W COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FLORIDA 33309
CERTIFICATE OF AUTHORIZATION NO. 5620
JAIME A. CASTILLO, P.E. NO. 90876

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-2	SIGNATURE SHEET
S-11	CANTILEVER SIGN STRUCTURE DATA TABLE



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

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GCES ENGINEERING SERVICES LLC
10860 NW 138TH ST UNIT 4
MIALEAH GARDENS, FL 33018
CERTIFICATE OF AUTHORIZATION 30039
ALEJANDRO R. MONTENEGRO, P.E. NO. 59426

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

SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-2	SIGNATURE SHEET
S-12	REPORT OF CORE BORING

REVISIONS

DATE	DESCRIPTION

WILLIAM AVILES, P.E.
P.E. NO.: 72351
RS&H, INC.
3125 W COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA #EB0005620



PUBLIC WORKS DEPARTMENT
HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

SIGNATURE SHEET

SHEET
NO.

S-2

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TO BE
CONSTRUCTED
BY COUNTY

TABULATION OF QUANTITIES

FDOT PAY ITEM NO.	COUNTY PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS						TOTAL THIS SHEET		GRAND TOTAL	
				S-5		S-6		S-7		PLAN	FINAL	PLAN	FINAL
				PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
700-1-11	03-01	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3				2					5
700-1-50	03-05	SINGLE POST SIGN, RELOCATE	AS					1					1
700-1-60	03-06	SINGLE POST SIGN, REMOVE	AS	4		1		1					5
700-2-60	03-26	MULTI-POST SIGN, GROUND MOUNT, REMOVE	AS	1		1							2
700-3-204	03-33	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA					1					1
700-3-206	03-33	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA					1					1
700-3-604	03-37	SIGN PANEL, REMOVE, 31-50 SF	EA					1					1
700-3-606	03-37	SIGN PANEL, REMOVE, 101-200 SF	EA					1					1
700-4-104		OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA					1					1
700-4-610		OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA					1					1
706-3	03-43	RETRO-REFLECTIVE PAVEMENT MARKERS, WHITE-RED	EA	72		65		46					184
706-3	03-43	RETRO-REFLECTIVE PAVEMENT MARKERS, YELLOW-YELLOW	EA			44		18					62
706-3	03-43	RETRO-REFLECTIVE PAVEMENT MARKERS, BLUE	EA	1		1							2
710-11-230	03-58	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF			22		9					31
710-11-123	03-59	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	42.13		31		252					325
710-11-124	03-60	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	436		175							612
710-11-125	03-61	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	31				65					96
710-11-141	03-62	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.016				0.008					0.024
710-11-160	03-63	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA					9					9
710-11-170	03-64	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	3		4		9					16
710-11-180	03-65	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	18									18
710-11-224	03-66	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF			63							63
710-11-241	03-67	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE, 6"	GM	0.020									0.020
710-16-101	03-70	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.216		0.252		0.238					0.707
710-16-131	03-72	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6" TO 10 SKIP OR 3-9 LANE DROP	GM	0.151		0.297		0.132					0.580
710-16-201	03-73	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.089		0.181		0.115					0.385
710-16-231	03-73	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.112		0.060		0.321					0.195

THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

REVISIONS

DATE	DESCRIPTION

WILLIAM AVILES, P.E.
P.E. NO.: 72351
RSGM, INC.
3125 W. COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA #EB0005620



PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION		
CITY	INTERSECTION	COUNTY PROJECT NO.
FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583

TABULATION OF QUANTITIES

SHEET NO.
S-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61B15-23.004, F.A.C.

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- 1 ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE 2009 EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS. FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.
- 2 THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.
- 3 SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY ENGINEER AND BROWARD COUNTY TRAFFIC ENGINEERING DIVISION.
- 4 INCORRECTLY PLACED THERMOPLASTIC OR PAINT MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND FRICTION COURSE WILL BE REPLACED TO THE FULL LANE WIDTH OF THE IMPACTED AREA FOR A MINIMUM OF 50' ON EITHER SIDE OF THE DEFICIENCY AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.
- 5 THE CONTRACTOR SHALL RELOCATE ALL EXISTING CONFLICTING POST-MOUNTED SIGNS TO A VISIBLE AREA UNDISTURBED BY THE CONSTRUCTION SO AS TO MINIMIZE DAMAGE TO THE SIGNS DURING CONSTRUCTION. COST OF RELOCATION AND REATTACHMENT OF STREET NAME SIGN SHALL BE PAID FOR UNDER PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
- 6 ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND ROADWAY DESIGN AND TRAFFIC STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEMS.
- 7 THE CONTRACTOR SHALL SUBMIT EXISTING SIGNS INVENTORY, INCLUDING PHOTOS, TO THE PROJECT ENGINEER PRIOR TO GROUND BREAKING. ANY LOST OR DAMAGED DURING CONSTRUCTION SIGNS SHALL BE REPLACED AT NO ADDITIONAL COST. COST OF MAINTAINING OF EXISTING SIGNS TO BE INCLUDED IN ITEM 102-1, MAINTENANCE OF TRAFFIC.

PAY ITEM NOTES:

- 700-1-11 A CONTRACTOR SHALL FOLLOW BCTED GROUND SIGN ASSEMBLY DETAILS
- 700-1-40 INCLUDES DELIVERY OF REMOVED ASSEMBLY TO BROWARD COUNTY TRAFFIC ENGINEERING DIVISION OPERATIONS BUILDING AT 2300 WEST COMMERCIAL BOULEVARD, FORT LAUDERDALE, FLORIDA
- 710- 90 INCLUDES ALL FINAL PAINTED PAVEMENT MARKINGS. FOR QUANTITIES SEE 711 PAY ITEMS.
- 711- XX-XXX ONE TIME APPLICATION OF FINAL SURFACE. DO NOT PLACE THERMOPLASTIC PAVEMENT MARKINGS PRIOR TO 14 CALENDAR DAYS OF PLACEMENT OF THE FINAL ASPHALT SURFACE COURSE.

REVISIONS		WILLIAM AVILES, P.E. P.E. NO.: 72351 RS&M, INC. 3125 W. COMMERCIAL BLVD, SUITE 130 FORT LAUDERDALE, FL 33309 FL COA #EB0005620		PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			GENERAL NOTES	SHEET NO. 5-4
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

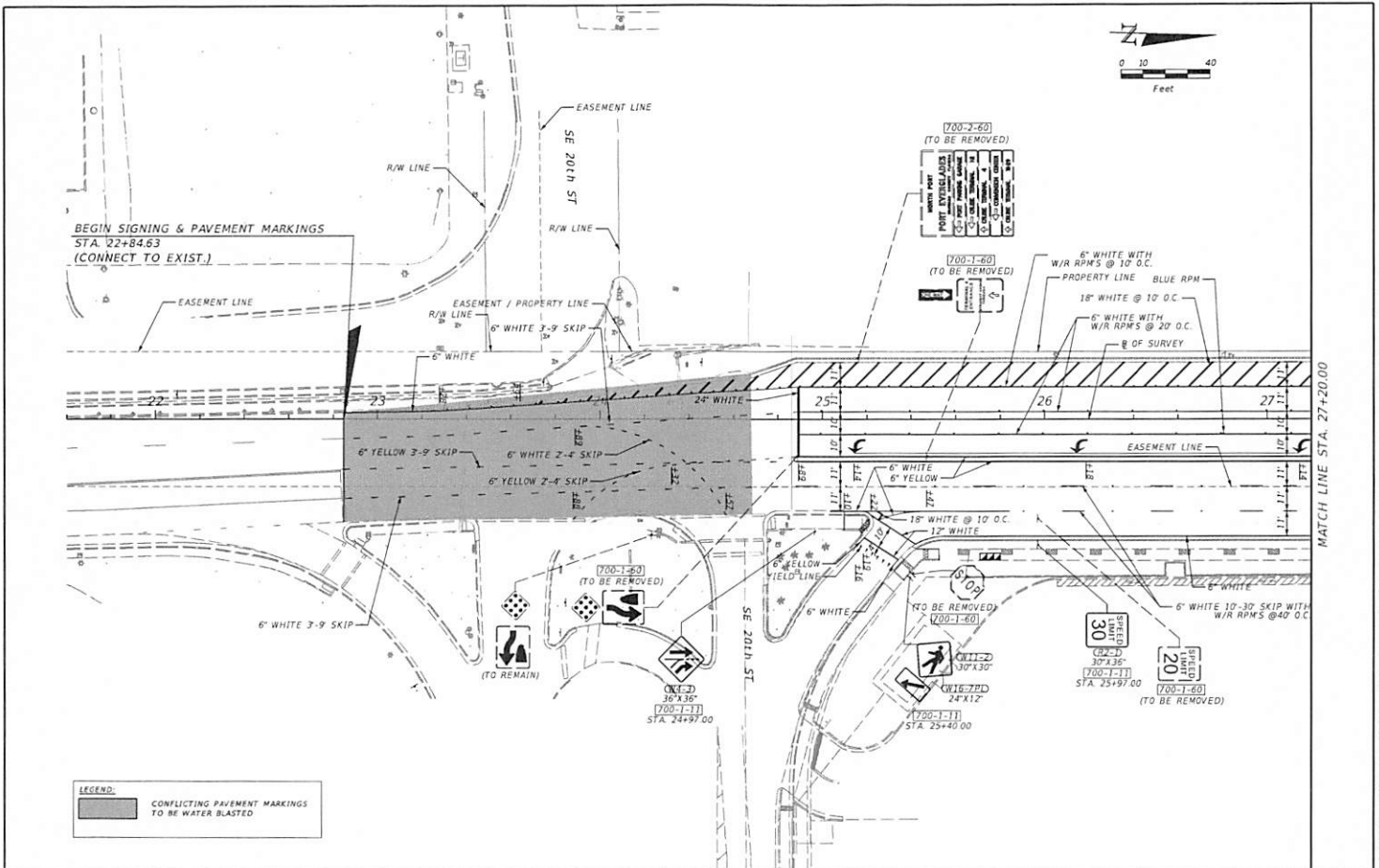
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REVISIONS		<div> <div>WILLIAM AVILES, P.E.</div> <div>P.E. NO.: 72351</div> <div>RS&H, INC.</div> <div>3125 W. COMMERCIAL BLVD, SUITE 130</div> <div>FORT LAUDERDALE, FL 33309</div> <div>FL COA #EB0005620</div> </div>	<div> <div>BROWARD COUNTY</div> <div>FLORIDA</div> </div>	<div> <div>PUBLIC WORKS DEPARTMENT</div> <div>HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION</div> </div>	SIGNING AND PAVEMENT MARKING PLANS		SHEET NO. S-5
DATE	DESCRIPTION						

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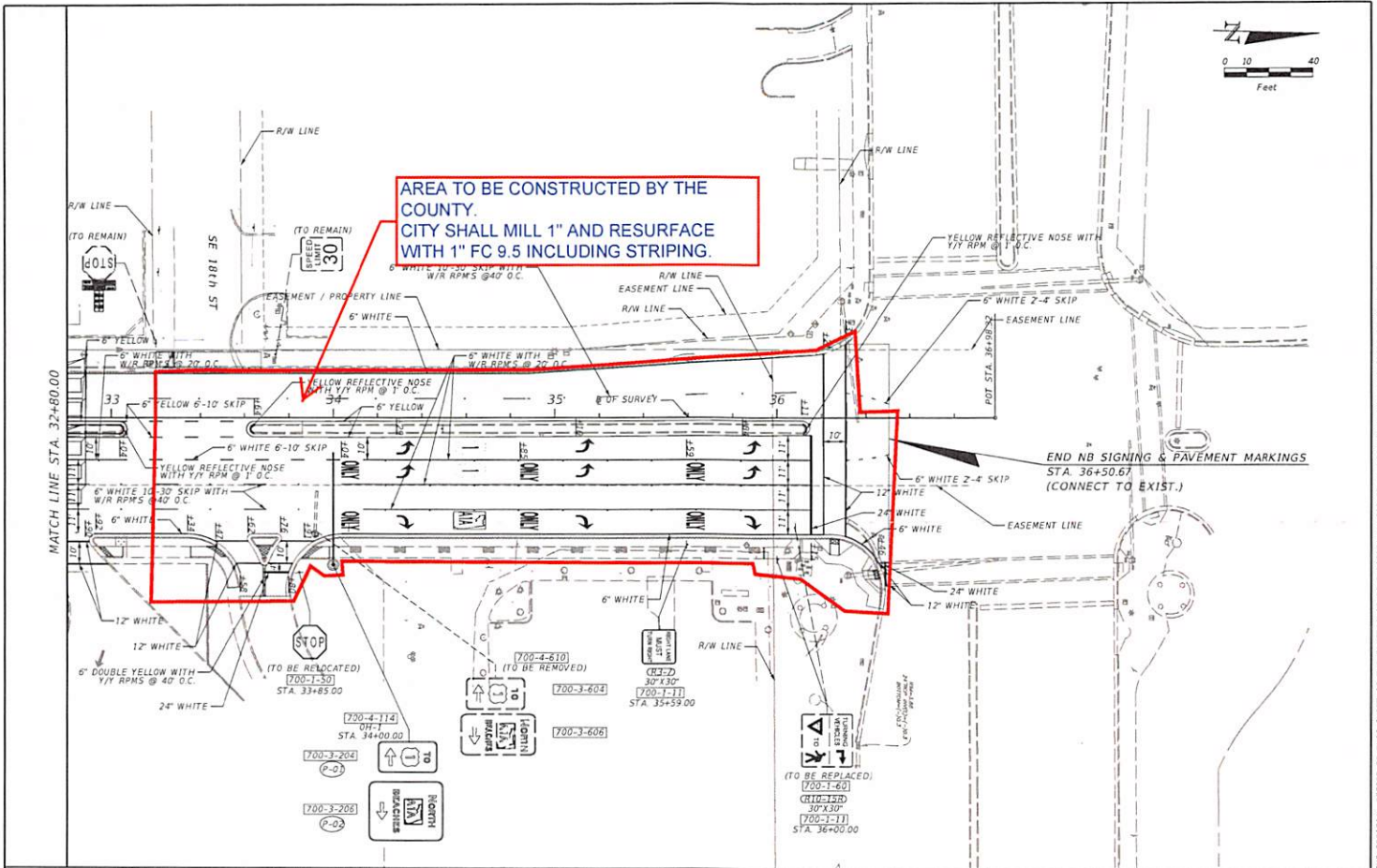
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WILLIAM AVILES, P.E.
P.E. NO: 72351
RSM, INC.
3125 W COMMERCIAL BLVD, SUITE 130
FORT LAUDERDALE, FL 33309
FL COA #EB0005620

PUBLIC WORKS DEPARTMENT	CITY	105583
HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION	EISENHOWER BLVD AND 56 17TH STREET	COUNTY PROJECT NO

9-5
NO. SHEET

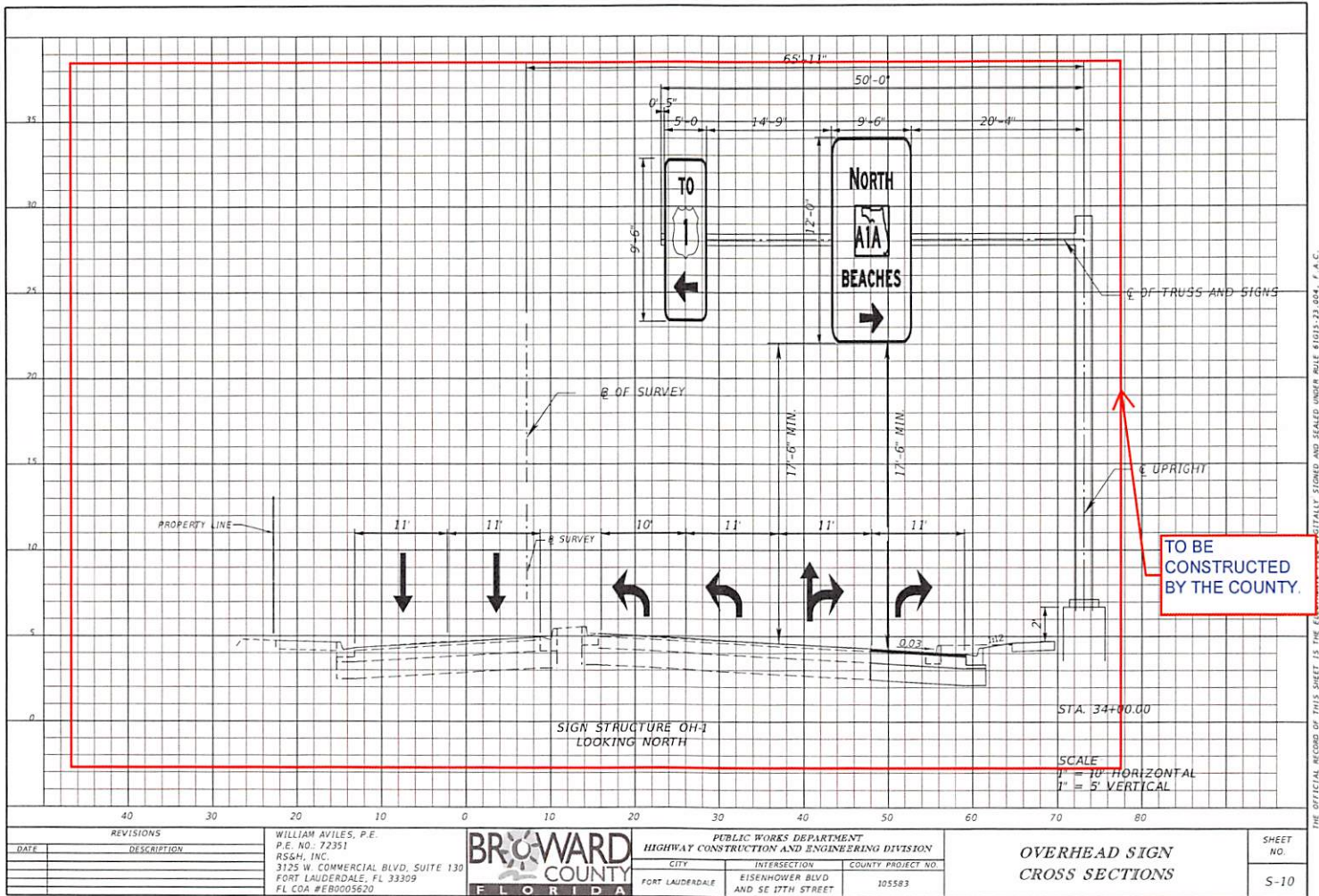


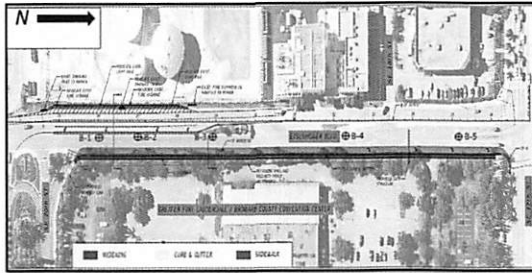


REVISIONS		WILLIAM AVILES, P.E. P.E. NO. 72351 RS&M, INC. 3125 W. COMMERCIAL BLVD. SUITE 130 FORT LAUDERDALE, FL 33309 FL COA No. #EB0005620	BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			SIGNING AND PAVEMENT MARKING PLANS	SHEET NO. S-7
DATE	DESCRIPTION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	EISENHOWER BLVD AND SE 17TH STREET	105583		

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BORING LOCATION PLAN

LEGEND

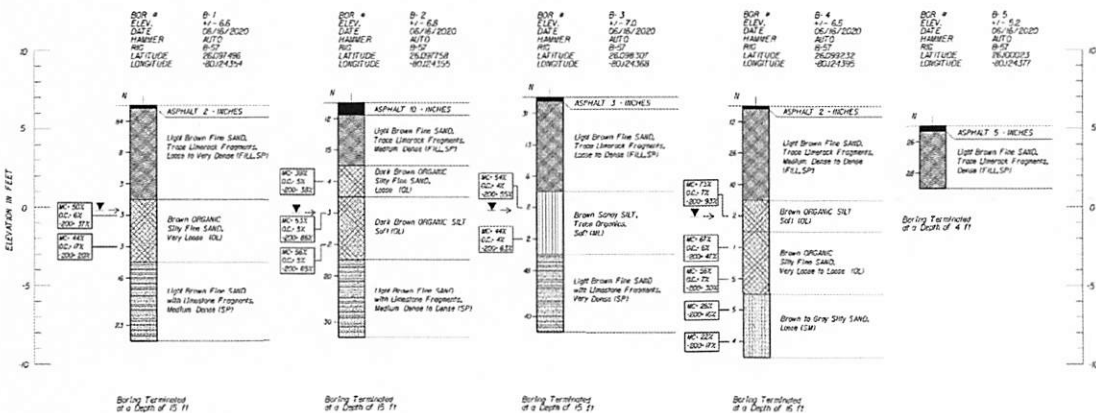
- ASPHALT
- FILL (SP)
- ORGANIC SILTY SAND (OL)
- SILT (SL)
- SILTY SAND (SLM)
- SAND WITH/AND Limestone FRAGMENTS (SP)

NOTES

- ENCOUNTERED WATER TABLE DURING DRILLING
- NUMBERS TO THE LEFT OF BORING INDICATE SPT VALUE FOR 10' PENETRATION UNLESS OTHERWISE NOTED
- SPT BORINGS PERFORMED PER ASTM D-1586 WITH A HAMMER HEIGHT OF 140 LBS FALLING 30 INCHES.
- APPROXIMATE BORING LOCATION
- STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOC STRATA OF EACH TEST. NO LOCATION ONLY SOIL TRANSITIONS MAY BE MORE GRADE THAN BOUNDARIES.
- GROUNDWATER LEVELS SHOWN ON THE SUBSURFACE PROFILES REPRESENT GROUNDWATER SURFACE ON THE DATE'S SHOWN. GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED THROUGHOUT THE YEAR.
- ELEVATIONS ARE APPROXIMATE AND WERE OBTAINED FROM THE INDIAN & TOPOGRAPIH SURVEY PROVIDED BY RS & H.

- WOM WEIGHT OF HAMMER
 MC MOISTURE CONTENT (%)
 PC PERCENT PASSING # 200 SIEVE (%)
 OC ORGANIC CONTENT (%)
 LL LIQUID LIMIT (%)
 PI PLASTICITY INDEX (%)
 AP INDICATES NON-PLASTIC

GRANULAR MATERIALS			
RELATIVE DENSITY	SAFETY HAMMER SPT B-VALUE (BLM/F/FOOT)	AUTOMATIC HAMMER SPT B-VALUE (BLM/F/FOOT)	
VERY LOOSE	LESS THAN 4	LESS THAN 3	
LOOSE	4 - 10	3 - 8	
MEDIUM DENSE	10 - 30	8 - 24	
DENSE	30 - 50	24 - 40	
VERY DENSE	GREATER THAN 50	GREATER THAN 40	
SETS AND CLAYS			
CONSISTENCY	SAFETY HAMMER SPT B-VALUE (BLM/F/FOOT)	AUTOMATIC HAMMER SPT B-VALUE (BLM/F/FOOT)	
VERY SOFT	LESS THAN 2	LESS THAN 1	
SOFT	2 - 4	1 - 3	
STIFF	4 - 10	3 - 8	
VERY STIFF	10 - 30	8 - 24	
HARD	GREATER THAN 30	GREATER THAN 24	



ELEVATION IN FEET



REVISIONS		CC'S ENGINEERING SERVICES, LLC ALEJANDRO R. MONTENEGRO, P.E. P.E. LICENSE NO. 10000 10000 NW 158TH ST. UNIT 4 MIALEMM GARDENS, FL 33089 CERTIFICATE OF AUTHORIZATION 30039	 BROWARD COUNTY FLORIDA	PUBLIC WORKS DEPARTMENT HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION			REPORT OF CORE BORINGS Eisenhower Boulevard Capacity Improvements Broward County, FL	SHEET NO. S-12
DATE	REVISION			CITY	INTERSECTION	COUNTY PROJECT NO.		
				FORT LAUDERDALE	COCOA MONCHER BLVD AND SE 17TH STREET	105583		

ISSUED FOR REVIEW

Exhibit C

**Eisenhower Boulevard Capacity Improvement Project Cost Breakdown
Portion to be Included in Redundant Effluent Force Main Project**

EISENHOWER BLVD CAPACITY IMPROVEMENT PROJECT COST BREAKDOWN (PORTION TO BE INCLUDED IN REDUNDANT EFFLUENT FORCE MAIN PROJECT)					
FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE - CONTINUOUS CONTRACT	TOTAL COST USING CONTINUOUS CONTRACT PRICE
			CITY		
104-10-3	SEDIMENT BARRIER	LF	1462	\$ 1.35	\$ 1,973.70
104-18	INLET PROTECTION SYSTEM	EA	10	\$ 120.00	\$ 1,200.00
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	400	\$ 19.90	\$ 7,960.00
120-1	REGULAR EXCAVATION	CY	1231	\$ 25.00	\$ 30,775.00
160-4	TYPE B STABILIZATION (12")	SY	1589	\$ 5.75	\$ 9,136.75
285-709	THICK LIMEROCK OPTIONAL BASE, BASE GROUP 09 (10")	SY	1287	\$ 15.50	\$ 19,948.50
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	5151	\$ 3.00	\$ 15,453.00
327-70-8	MILLING EXIST ASPH PAVT, 2.5" AVG DEPTH	SY	2289	\$ 3.50	\$ 8,011.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (2")	TN	150.0	\$ 135.00	\$ 20,250.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (1 1/2")	TN	200.0	\$ 135.00	\$ 27,000.00
337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22 (1")	TN	526.0	\$ 148.00	\$ 77,848.00
425-1- 203	INLETS, CURB, TYPE 9, J BOT, <10'	EA	4	\$ 7,014.08	\$ 28,056.32
425-1- 461	INLETS, CURB, TYPE J -6, <10'	EA	1	\$ 9,814.89	\$ 9,814.89
425-2-71	MANHOLES, J-7, <10'	EA	2	\$ 6,400.00	\$ 12,800.00
425-2-73	MANHOLES, J-7, PARTIAL	EA	2	\$ 4,500.00	\$ 9,000.00
425-11	MODIFY EXISTING DRAINAGE STRUCTURE	EA	2	\$ 5,000.00	\$ 10,000.00
425-5	MANHOLE / VAULT, ADJUST	EA	10	\$ 670.00	\$ 6,700.00
425-6	VALVE BOX, ADJUST	EA	3	\$ 400.00	\$ 1,200.00
430- 94- 104	DESILTING PIPE 0-24" DIAM	LF	142	\$ 8.90	\$ 1,263.80
430-175- 112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12" S/CD	LF	4	\$ 162.84	\$ 651.36
430-175- 115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD	LF	12	\$ 98.00	\$ 1,176.00
430-175- 118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	129	\$ 120.00	\$ 15,480.00
436-1-1	TRENCH DRAIN, STANDARD	LF	46	\$ 235.02	\$ 10,810.92
443-70-4	FRENCH DRAIN, 24"	LF	10	\$ 99.00	\$ 990.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	1266	\$ 29.00	\$ 36,714.00
520-2-4	CONCRETE CURB, TYPE D	LF	83	\$ 28.00	\$ 2,324.00
520-5-41	TRAFFIC SEPARATOR CONCRETE-TYPE IV, 4' WIDE	LF	228	\$ 48.00	\$ 10,944.00
522-2	CONCRETE SIDEWALK AND DRIVEWAYS (6")	SY	49	\$ 41.00	\$ 2,009.00
527-2	DETECTABLE WARNINGS	SF	59	\$ 26.00	\$ 1,534.00

570-1-2	PERFORMANCE TURF, SOD	SY	424	\$ 3.25	\$ 1,378.00
590-70	IRRIGATION SYSTEM	LS	1	\$ 20,000.00	\$ 20,000.00
695-1-1	TRAFFIC MONITORING SITE VEHICLE SENSOR- NON-WEIGHT, FURNISH & INSTALL	EA	5	\$ 1,235.98	\$ 6,179.90
695-6-12	TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS	EA	5	\$ 1,741.70	\$ 8,708.50
1080- 2160	UTILITY FIXTURE, VALVE, REMOVE	EA	1	\$ 506.83	\$ 506.83
1644- 136-08	NEW FIRE HYDRANTE	EA	1	\$ 7,688.71	\$ 7,688.71
1644-900	FIRE HYDRANTE REMOVE	EA	1	\$ 1,723.00	\$ 1,723.00
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	3	\$ 500.00	\$ 1,500.00
700-1-50	SINGLE POST SIGN, RELOCATE	AS	0	\$ 400.00	\$ -
700-1-60	SINGLE POST SIGN, REMOVE	AS	5	\$ 75.00	\$ 375.00
700-2-60	MULTI- POST SIGN, GROUND MOUNT, REMOVE	AS	2	\$ 800.00	\$ 1,600.00
700-3- 204	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 31-50 SF	EA	0	\$ 1,700.00	\$ -
700-3- 206	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 101-200 SF	EA	0	\$ 7,536.13	\$ -
700-3- 604	SIGN PANEL, REMOVE, 31-50 SF	EA	0	\$ 800.00	\$ -
700-3- 606	SIGN PANEL, REMOVE, 101-200 SF	EA	0	\$ 872.26	\$ -
700-4- 114	OVERHEAD STATIC SIGN STRUCTURE, FURNISH & INSTALL, CANTILEVER, 41-50 FT	EA	0	\$ 138,226.98	\$ -
700-4- 612	OVERHEAD STATIC SIGN STRUCTURE, REMOVE CANTILEVER	EA	0	\$ 12,898.51	\$ -
706-1-3	RETRO-REFLECTIVE PAVEMENT MARKERS, WHITE-RED	EA	184	\$ 6.00	\$ 1,104.00
706-1-3	RETRO-REFLECTIVE PAVEMENT MARKERS, YELLOW-YELLOW	EA	61	\$ 6.00	\$ 366.00
706-1-3	RETRO-REFLECTIVE PAVEMENT MARKERS, BLUE	EA	2	\$ 6.00	\$ 12.00
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1	\$ 23,354.79	\$ 23,354.79
710-11- 290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	31	\$ 4.50	\$ 139.50
711-11- 123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	325	\$ 1.60	\$ 520.00
711-11- 124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	612	\$ 2.50	\$ 1,530.00
711-11- 125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	96	\$ 4.50	\$ 432.00
711-11- 141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.024	\$ 6,000.00	\$ 144.00
711-11- 160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	9	\$ 180.00	\$ 1,620.00
711-11- 170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	16	\$ 110.00	\$ 1,760.00

711-11-180	THERMOPLASTIC, STANDARD, WHITE, YIELD LINE	LF	18	\$ 5.00	\$ 90.00
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	63	\$ 7.00	\$ 441.00
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE, 6"	GM	0.02	\$ 6,000.00	\$ 120.00
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.707	\$ 6,000.00	\$ 4,242.00
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.580	\$ 6,000.00	\$ 3,480.00
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.385	\$ 6,000.00	\$ 2,310.00
711-16-231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.20	\$ 6,000.00	\$ 1,200.00
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	7	\$ 10.50	\$ 73.50
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	343	\$ 20.00	\$ 6,860.00
632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	343	\$ 5.00	\$ 1,715.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	6	\$ 900.00	\$ 5,400.00
639-1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	1	\$ 3,000.00	\$ 3,000.00
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	5	\$ 5.00	\$ 25.00
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	\$ 1,800.00	\$ 1,800.00
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1	\$ 1,750.00	\$ 1,750.00
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	3	\$ 1,813.30	\$ 5,439.90
670-5-500	TRAFFIC CONTROLLER ASSEMBLY, RELOCATE CONTROLLER WITH CABINET	AS	1	\$ 3,710.00	\$ 3,710.00
SUB-TOTAL					\$ 503,323.37
101-1	MOBILIZATION	LS	10%		\$ 50,332.34
102-1	MAINTENANCE OF TRAFFIC	LS	10%		\$ 50,332.34
TOTAL					\$ 603,988.04

Exhibit D
Liquidated Damages

Exhibit E
Construction Permit Conditions

PERMIT CONDITIONS

1. Owner or Utility agrees to maintain permitted facility, including the restoration of the surrounding right-of-way, at his/her sole expense and, if required by Broward County to promptly modify, relocate and/or remove said facility as required, at the owner's or utility's own sole expense. All portions of the public right-of-way disturbed or impaired during the maintenance, modification, relocation or removal of the permitted facility shall also be restored by owner or utility at owner's or utility's own expense and Broward County will have no responsibility therefore. (2005 Broward County Minimum Standards 3-6.8)
2. All materials, installations and methods of work in County rights-of-way must be in accordance with the "Minimum Standards Applicable to Rights-of-Way Under Broward County Jurisdiction", and Broward County Highway Construction & Engineering Division Requirements. (2005 Broward County Minimum Standards 4-1.10)
3. All work in public rights-of-way shall be done in strict compliance with the requirements of the Traffic Control Manuals, the Occupational Safety and Health Administration and the Broward County Traffic Engineering Division. Failure to so comply will result in cessation of operations and the removal of project-related obstructions from the right-of-way until compliance is achieved. (2005 Broward County Minimum Standards 3-1.1)
4. Prior to commencement of construction within Broward County jurisdiction rights of way, the permittee shall contact the Broward County Highway Construction & Engineering Division (954) 577-4600 to schedule a preconstruction meeting. Failure to comply may result in a revocation of this permit. (2005 Broward County Minimum Standards 3-3.1)
5. No construction shall be started until a permit for the proposed installation has been granted by the Broward County Highway Construction & Engineering Division. Violation is a misdemeanor, punishable as provided by law. (2005 Broward County Minimum Standards 3-2.2)
6. The contractor must submit maintenance of traffic plan to the Broward County Traffic Engineering Division (954) 847-2600 and obtain approval prior to commencing work in the right of way. (2005 Broward County Minimum Standards 3-1.3 & 4-1.4)
7. A minimum of forty-eight (48) hour notice must be given to the Broward County Highway Construction & Engineering Division before commencing work on any project. - Telephone Number (954) 577-4600. (2005 Broward County Minimum Standards 3-3.2)
8. A minimum of twenty-four (24) hour notice must be given to the Broward County Highway Construction & Engineering Division for scheduling of all tests and inspections relating to this permit. Scheduling is done on a "First Come, First Served" basis. - Telephone Number (954) 577-4600. The Engineer of Record for the project shall be present for all inspections and tests, unless instructed otherwise by the Highway Construction and Engineering Division. (2005 Broward County Minimum Standards 3-3.3)
9. A set of plans for the project, bearing the Broward County Highway Construction & Engineering Division's approval stamp must be located on the job-site whenever work is in progress. A Broward County Highway Construction & Engineering Division construction permit must also be located on the site when work is in progress. In the event that plans and/or permit are not so located, work will not be allowed to start or, if already begun, will be halted. (2005 Broward County Minimum Standards 3-6.1)
10. Permitted work shall not be deemed approvable until all installations, tests and restorations are complete and approved by the Consulting Engineer, all other agencies having jurisdiction, and this Division; and all required Test Reports, Certifications and "Record" drawings have been submitted to and accepted by all agencies requiring as-built approval. (2005 Broward County Minimum Standards 3-8 & 3-9)
11. "Record" drawings and certification package, as required by the "Minimum Standards Applicable to Rights-of-Way Under Broward County Jurisdiction", must be submitted to the Broward County Highway Construction & Engineering Division prior to final inspection. (2005 Broward County Minimum Standards 3-8)
Paving and Drainage (2005 Broward County Minimum Standards 6-1.13 & 6-1.18)
 A. One (1) set of certified drainage as-built drawings signed and sealed by a Professional Land Surveyor registered in the State of Florida together with the Engineer's Certification. All drainage installations shall be tested for leakage prior to backfilling; and
 B. One (1) set of finished rock base as-built drawings signed and sealed by a Professional Land Surveyor registered in the State of Florida and certified by a Professional Engineer registered in the State of Florida, stating that the installation shown thereon was made in substantial conformance with the approved drawings. Finished rock as-built drawings shall be at the same scale as the approved drawings and must show finished rock base elevations and offsets at centerline, edge of median and edge of pavement, plus elevations of bottom of swale or flow line of gutter, top of curb and right of way line, at high point and low points, intersections and changes in slope. Elevations shall be verified and shown at intervals not to exceed 300 feet measured along the profile grade line for projects over 1500 feet in length; every 100 feet for projects 500 to 1500 feet in length and every 50 feet for projects under 500 feet in length. These elevations shall be depicted on a set of plans at the same scale, with sufficient clarity to make judgment of acceptability possible; and
 C. All test reports including One (1) copy of the density reports on the compaction of the subgrade, base, shoulders and swales verified by an independent certified Engineering Testing Laboratory.
Water and Sewer (2005 Broward County Minimum Standards 10-6, 11-5 & 12-6)
 One (1) set of certified as-built drawings signed and sealed by a Professional Land Surveyor registered in the State of Florida together with the Engineer's Certification. All drawings shall indicate accurate house connection dimensions, main and terminal point locations, elevations of stubs or laterals, locations and elevations of all changes in direction and slope, rim elevations, invert elevations and structure numbers. In addition the size, material, location and elevation of all underground utilities encountered during construction shall be indicated on the plan; and
Gas Transmission and Distribution Systems, Telephone, CATV, Other Signal Systems or Electric Power (2005 Broward County Minimum Standards 13-3, 14-10, 15-9 and 16-9)
 Record drawings may be required on a case by case basis. When required one (1) set of record drawings shall be submitted within three (3) weeks after completion of the work along with a statement signed by the Engineering Supervisor of the utility company certifying as to the accuracy of the as-built locations and elevations of the permitted installations and further certifying that the permitted installation was done in substantial accordance with the approved drawings.
Landscape Irrigation (2005 Broward County Minimum Standards 19-6)
 One (1) set of certified as-built drawings signed and sealed by a Professional Land Surveyor registered in the State of Florida together with the Engineer's or Landscape Architects Certification. All drawings shall indicate location and elevation information.
Monitoring Well (2005 Broward County Minimum Standards 20-7)
 On completion of construction, the contractor must furnish the Broward County Highway Construction & Engineering Division with a "Well Completion Report".
12. A Notice of Acceptance shall be sent to permittee, and the one year warranty maintenance period will commence during which the permittee shall, at his/her sole expense, repair or cause to be repaired, any defects that may be identified within the public right-of-way due to or arising from the permitted installation(s) or the permittee's operations related to the project. (2005 Broward County Minimum Standards 6-1.19 & 7-2.15)
13. This permit shall expire under the following circumstances; unless other arrangements have been made with the Broward County Highway Construction & Engineering Division:
 A. If construction of permitted work is not commenced within 180 calendar days. (2005 Broward County Minimum Standards 4-2.1); or
 B. If permitted work, once begun, is suspended for 90 days or more. (2005 Broward County Minimum Standards 4-2.2); or
 C. Upon completion of the permitted work (including restoration), and acceptance by the owner, operator, all regulatory agencies involved, and the Broward County Highway Construction & Engineering Division. (2005 Broward County Minimum Standards 4-2.3); or
 D. If plans or materials are changed without the approval of Broward County Highway Construction & Engineering Division. (2005 Broward County Minimum Standards 4-1.9); or
 E. Upon the passage of two (2) years from the date of issuance. (2005 Broward County Minimum Standards 4-2.4)
14. Permittee is solely responsible for any relocation(s) of new or existing facilities required as a result of this permitted construction. Permittee is responsible for notification/coordination with owners of previously permitted facilities located within County Jurisdiction rights of way.
15. Permittee hereby indemnifies and holds Broward County harmless for any loss arising from permittee's installation or operations under this permit.
16. This permit only applies to authorization from the Broward County Highway Construction & Engineering Division. It is possible that additional permits may be necessary. Nothing contained herein relieves the permittee from timely complying with applicable laws of other Federal, State or Local Governments.
17. It is expressly understood that this permit is for permissive use only and that the placing of facilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.
18. Prior to construction of any improvements within the county jurisdiction right of way, the permittee shall notify the Sunshine State One-Call of Florida, Inc. for underground facility locations, as set forth in the "Underground Facility Damage Prevention and Safety Act" of the State of Florida. (2005 Broward County Minimum Standards 3-1.6)

19. Excavated materials shall not be stockpiled in the public right of way during construction without specific approval of the Broward County Highway Construction & Engineering Division. All excess materials shall be removed from the worksite and disposed of legally by the permittee at his own expense. (2005 Broward County Minimum Standards 3-6.6.2)
20. The owner understands and agrees that portions of driveways within the public right of way that are disturbed and/or removed for permitted work will be replaced only with asphalt or plain concrete having no additives, coloring, special finishes or patterns.
21. In the event it becomes necessary, for any reason, to continue work operations beyond the normal hours of operation for the Division, the Contractor whose name appears on the face of this Permit acknowledges their commitment to pay the associated Broward County Highway Construction & Engineering Division and Traffic Engineering Division charged overtime expenses, prior to requesting a final inspection on the project. (Broward County Resolution 1999-1140)
Special Comments:

Exhibit F
Insurance Requirements

INSURANCE REQUIREMENTS

Project: ILA for Fort Lauderdale Effluent Force Main Project
 Agency: Public Works Department

TYPE OF INSURANCE	ADDITIONAL INSURED	SURRENDER VALUE	MINIMUM LIABILITY LIMITS		
				Each Occurrence	Aggregate
GENERAL LIABILITY - Broad form <input checked="" type="checkbox"/> Commercial General Liability <input checked="" type="checkbox"/> Premises-Operations <input checked="" type="checkbox"/> XCU Explosion/Collapse/Underground <input checked="" type="checkbox"/> Products/Completed Operations Hazard <input checked="" type="checkbox"/> Contractual Insurance <input checked="" type="checkbox"/> Broad Form Property Damage <input checked="" type="checkbox"/> Independent Contractors <input checked="" type="checkbox"/> Personal Injury Per Occurrence or Claims-Made: <input checked="" type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made Gen'l Aggregate Limit Applies per: <input type="checkbox"/> Project <input type="checkbox"/> Policy <input type="checkbox"/> Loc. <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Bodily Injury Property Damage Combined Bodily Injury and Property Damage Personal Injury Products & Completed Operations	\$2,000,000	\$4,000,000
AUTO LIABILITY <input checked="" type="checkbox"/> Comprehensive Form <input checked="" type="checkbox"/> Owned <input checked="" type="checkbox"/> Hired <input checked="" type="checkbox"/> Non-owned <input checked="" type="checkbox"/> Any Auto, If applicable <i>Note: May be waived if no driving will be done in performance of services/project.</i>			Bodily Injury (each person) Bodily Injury (each accident) Property Damage Combined Bodily Injury and Property Damage	\$1,000,000	
<input checked="" type="checkbox"/> EXCESS LIABILITY / UMBRELLA Per Occurrence or Claims-Made: <input checked="" type="checkbox"/> Per Occurrence <input type="checkbox"/> Claims-Made <i>Note: May be used to supplement minimum liability coverage requirements.</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		\$5,000,000	\$5,000,000
<input checked="" type="checkbox"/> WORKER'S COMPENSATION <i>Note: U.S. Longshoremen & Harbor Workers' Act & Jones Act is required for any activities on or about navigable water.</i>	N/A	<input checked="" type="checkbox"/>	Each Accident	STATUTORY LIMITS	
<input checked="" type="checkbox"/> EMPLOYER'S LIABILITY			Each Accident	\$1,000,000	
<input checked="" type="checkbox"/> POLLUTION/ENVIRONMENTAL LIABILITY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Each Claim:	\$2,000,000	\$2,000,000
			*Maximum Deductible:	\$10,000	
<input checked="" type="checkbox"/> Installation floater is required if Builder's Risk or Property are not carried. <i>Note: Coverage must be "All Risk", Completed Value. Broward County must be listed as an additional insured/loss payee.</i>			*Maximum Deductible:	\$10,000	Completed Value
			CONTRACTOR IS RESPONSIBLE FOR DEDUCTIBLE		
Description of Operations: Broward County listed as Certificate Holder and endorsed as an additional insured for General Liability, Excess/Umbrella Liability, and Pollution Liability. County shall be provided 30 days written notice of cancellation, 10 days' notice of cancellation for non-payment. Contractors insurance shall provide primary coverage and shall not require contribution from the County self-insurance or otherwise. Any self-insured retention (SIR) higher than the amount permitted in this Agreement must be declared to and approved by County and may require proof of financial ability to meet losses. Contractor is responsible for all coverage deductible; unless otherwise specified in the agreement. For Claims-Made policies, insurance must be maintained and evidence of insurance must be provided for at least three (3) years after completion of the contract of work. Waiver of subrogation applies in favor of Broward County for General Liability, Excess/Umbrella Liability, Workers Compensation and Pollution Liability.					

CERTIFICATE HOLDER:

Broward County
 115 South Andrews Avenue
 Fort Lauderdale, Florida 33301

TIMOTHY CROWLEY

Digitally signed by
 TIMOTHY CROWLEY
 Date: 2022.12.07 11:42:15
 -05'00'

Risk Management Division



CITY MANAGER'S OFFICE

DOCUMENT ROUTING FORM

Rev: 3 | Revision Date: 9/1/2022

RUSHTODAY'S DATE: 6/21/2023DOCUMENT TITLE: Land Interlocal Agreement with Broward County to Construct a Redundant Effluent Force MainCOMM. MTG. DATE: 6/20/23 CAM #: 23-0367 ITEM #: M-2 CAM attached: ☒ YES ☐ NORouting Origin: COA Router Name/Ext: Sonia S x5598 Action Summary attached: ☐ YES ☒ NOCIP FUNDED: ☐ YES ☒ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include land, real estate, realty, or real.

2) City Attorney's Office: Documents to be signed/routed? ☒ YES ☐ NO # of originals attached: 2Is attached Granicus document Final? ☒ YES ☐ NO Approved as to Form: ☒ YES ☐ NODate to CCO: 6/21/2023 Attorney's Name: Lynn Solomon Initials: [Signature]

3) City Clerk's Office: # of originals: _____ Routed to: _____ Ext: _____ Date: _____

4) City Manager's Office: CMO LOG #: _____ Document received from: _____

Assigned to: GREG CHAVARRIA ☐ ANTHONY FAJARDO ☐ SUSAN GRANT ☐GREG CHAVARRIA as CRA Executive Director ☐☐ APPROVED FOR G. CHAVARRIA'S SIGNATURE ☐ N/A G. CHAVARRIA TO SIGN

PER ACM: A. FAJARDO _____ (Initial) S. GRANT _____ (Initial)

☐ PENDING APPROVAL (See comments below)

Comments/Questions: _____

Forward _____ originals to ☐ Mayor ☐ CCO Date: _____

5) Mayor/CRA Chairman: Please sign as indicated.

Forward _____ originals to CCO for attestation/City seal (as applicable) Date: _____

INSTRUCTIONS TO CITY CLERK'S OFFICE

City Clerk: Retains _____ original and forwards 2 originals to: Angela Salmon x3442 / CMO**** Please email a copy of executed document to ssierra@fortlauderdale.govAttach _____ certified Reso # _____ ☐ YES ☐ NO Original Route form to CAO