CITY OF DORAL

Invitation to Bid

ITB No. 2022-05

Doral Boulevard Median Landscaping Improvements Phase II

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NOTICE: Pursuant to Article V of the City's Code of Ordinances, sealed bids for consideration to provide the services detailed in the scope of services listed below, shall be submitted by **10:00 am on March 29th, 2022**. The submittals shall be clearly marked **"ITB No. 2022-05 – Doral Boulevard Median Landscaping Improvements Phase II".**

All submittals shall be publicly opened and recorded on **March 29th, 2022, at 10:00 A.M.** Late submittals shall **not** be accepted or considered.

Proposals must be submitted electronically through **DemandStar** or **Vendor Registry** by the date and time stated above. Submittals must include statements of qualifications and experience and other pertinent information for consideration, as indicated in this Request for Proposals. Any proposals received after the due date and time specified, will not be considered. See attached instructions for further details on E-Bidding.

Solicitations may be found via the City of Doral website (www.cityofdoral.com) under Procurement, via Vendor Registry and via Onvia DemandStar, central notification systems which provide bid notification services to interested vendors. To obtain the solicitation, interested parties must follow the link and register to be able to download the document.

The City of Doral reserves the right to accept any bid deemed to be in the best interest of the City or to waive any informality in any submittal. The City may reject any or all bids and re-advertise.

PROJECT OVERVIEW

By way of this ITB, the City is soliciting bids from, and desires to retain the services of, a qualified General Engineering CONTRACTOR to construct landscaping improvements that include an irrigation system, lighting, and other roadway/landscaping improvements as shown on the plans. Through the Invitation to Bid (ITB) process described herein, qualified Contractors interested in assisting the City with the provision of such services must prepare and submit a bid packet in accordance with the procedure and schedule of this ITB. The City will review submittals only from those contractors that submit an ITB packet, which includes all the information required as, described herein.

One of the following licenses is required within bid submittal package: Miami Dade County General Engineering CONTRACTOR and/or Florida State Certified Underground Utility and Excavation CONTRACTOR. In addition, the City intends to award a contract for the construction of Doral Boulevard Median Landscaping Improvements Phase II to the contractor that: possesses qualified manpower, equipment, administrative capabilities to provide the proposed services, possesses previous experience on this type of work, and provides the best offer and prices deemed to be in the greatest benefit to the City.

It is the intent of the City to award a contract for a period of **one-hundred and fifty (150) calendar days** for substantial completion of project.

A copy of the complete bid package may be obtained from the City of Doral website, www.cityofdoral.com, by clicking on the Procurement Division link under City Departments. Select the "RFP/Open Bids" link. It is important that you click on the "register and download" hyperlink to access the entire document. Please note that a brief registration process is required prior to download. Once registered you will receive an activation code that will grant you access to the documents.

All questions or comments should be directed to the following email: Procurement@cityofdoral.com. Inquiries must reference "***ITB No. 2022-05 - Doral Boulevard Median Landscaping Improvements Phase II"*** in the subject line. No phone calls will be accepted in reference to this ITB. Any communications regarding matters of clarification must be made in writing to the email address listed above. In the event that it become necessary to provide additional clarifying data or information that revises any part of this ITB, supplements or revisions will be made available via written addendum.

The City of Doral reserves the right to accept any bid deemed to be in the best interest of the City or to waive any informality in any bid. The City may reject any or all bids and re-advertise.

SCHEDULE OF EVENTS

ITB Advertisement Date: **February 25th, 2022, at 5:00 P.M.**

Mandatory Pre-Bid Meeting: **March 10th, 2022, at 10:00 A.M.**
From your computer, tablet, or smartphone
https://global.gotomeeting.com/join/156940813
You can also dial in using your phone
United States: +1 (872) 240-3311
Access Code: 156-940-813

Cut-off Date for Questions: **March 17th, 2022, at 5:00 P.M.**

Deadline for Submittals and Opening of Bids: **March 29th, 2022, at 10:00 A.M.**
From your computer, tablet, or smartphone
https://global.gotomeeting.com/join/746932549
You can also dial in using your phone
United States: +1 (872) 240-3212
Access Code: 746-932-549

Anticipated Notification of Award: **May 11th, 2022, at 10:00 A.M.**

*** Note: All such times are Eastern Prevailing Time ("EPT") unless specifically noted. Eastern Prevailing Time or "EPT" means Eastern Standard Time or Eastern Daylight Savings Time, whichever is in effect on any particular date.**

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SECTION 00200 - INSTRUCTIONS TO BIDDERS

1.1 Taxes: Bidder shall include all applicable taxes in the Bid.

1.2 Purpose of Bid: The City of Doral intends to secure a source of services/supply (s) at the lowest responsive and responsible price. The City reserves the right to award the Bid considered the best to serve the City's interests.

1.3 Questions: Any questions regarding this ITB should be directed in writing to the Procurement Division via email at: procurement@cityofdoral.com. All inquiries must have in the subject line the following: ***"ITB No. 2022-05 Doral Boulevard Median Improvements Phase II".***

Bidders requiring clarification or interpretation of the ITB must submit them via e-mail on or before **5:00 pm est., March 17th, 2022**. The person or firm submitting the request shall be responsible for its timely delivery. Written responses will be compiled and shall be issued only in addendum format and distributed to all potential Proposers listed on the official BIDDER's list as having received the bidding documents. In addition, inquiries and responses may also be posted on the City of Doral website and Demandstar. Only questions answered by written addenda shall be binding. Oral interpretations or clarifications shall be without legal effect. No plea of ignorance or delay or required need of additional information shall exempt a BIDDER from submitting their Bid on the required date and time as publicly noted.

1.4 BIDDER warrants that the prices, terms, and conditions quoted in the Bid will be firm for a period of 120 days from the date of the Bid opening unless otherwise stated in the Bid Form. Incomplete, unresponsive, irresponsible, vague, or ambiguous responses to the invitations to Bid will be cause for rejection, as determined by the City.

1.5 Pursuant to the provisions of paragraph (2) (a) of section 287.133, Florida Statutes -"a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded to perform work as a contractor, supplier, subcontractor, or contractor under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in section 287.107, for category two for a period of 36 months from the date of being placed on the convicted vendor list".

2.1 Submission of Bids

2.1.1 BIDDERs shall use the Bid Form(s) furnished by the City. Failure to do so may cause the Bid to be rejected. Removal of any of the Bid forms will invalidate the Bid. BIDDER shall deliver to the City, as Bid package:

1. This entire Bid document, with all sections executed.
2. A copy of all issued addenda.
3. An electronic copy of your bid submittal to include all required forms signed and dated.
4. Bid Security, (Bid Bond or cashier's check) attached to the front inside cover of the Bid document.
5. Certificates of Competencies.
6. Certificate of Insurance and or Letter of Insurability

The entire Bid Package shall be placed in a sealed opaque envelope, box, or container and clearly marked with the BIDDER's name and address.

2.1.2 Bids having an erasure or corrections must be initialed by the BIDDER in ink. Bids shall be signed in ink; all quotations shall be typewritten or printed and filled in with ink.

2.1.3 Guaranties: no guarantee or warranty is given or implied by the City as to the total amount that may or may not be purchased from any resulting Contract or Award. These quantities are for bidding purposes only and will be used for tabulation and presentation of the Bid. The City reserves the right to reasonably increase or decrease quantities as required. The prices offered herein, and the percentage rate of discount applies to other representative items not listed in this Bid.

2.2 Delivery: all items shall be delivered f.o.b. destination (i.e. at a specific City of Doral address), and

delivery costs and charges (if any) will be included in the Bid Price. Exceptions shall be noted.

2.3 Mistake: if there is a discrepancy in the unit and extended prices, the unit prices(s) will prevail, and the extensions adjusted to coincide. Bidders are responsible for checking their calculations. Failure to do so will be at the Bidder's risk, and errors will not release the BIDDER from their responsibility as noted herein.

3.1 Material: material(s) delivered to the City under this bid shall remain the property of the seller until accepted to the satisfaction of the City. In the event materials supplied to City are found to be defective or do not conform to specifications, the City reserves the right to return the product (s) to the seller at the sellers' expense.

3.2 Pricing: prices should be stated in units of quantity specified in the Bid Form. In case of a discrepancy, the City reserves the right to make the final determination at the lowest net cost to the City.

3.3 Safety Standards: the BIDDER warrants that the product(s) supplied to the City conforms in all respects to the standards set forth in the Occupational Safety and Health Act (OSHA) and its amendments. Bids must be accompanied by a materials data safety sheet (M.S.D.S.) when applicable.

3.4 Payments: payment will be made after commodities/services have been received, accepted, and properly invoiced as indicated in the contract and/or purchase order. Invoices will be processed as required by Florida State Statute Title XIV, Chapter 218, Part VII, Florida Prompt Payment Act. Invoices must bear the purchase order number.

4.1 Liability, Insurance, Licenses & Permits: where BIDDER's are required to enter onto City of Doral property to deliver materials or to perform work or services as a result of a Bid award, the BIDDER will assume the full duty, obligation, and expense of obtaining all necessary licenses, permits, inspections, and insurance required. The BIDDER shall be liable for any damages or loss to the City occasioned by negligence of the BIDDER (or their agent) or any person the BIDDER has designated in the completion of their contract as a result of the Bid. Contractor shall be required to furnish a certified copy of all licenses, certificates of competency or other licensor necessary requirements to practice their profession as required by Florida State Statute, Florida Building Code, Miami-Dade County, or City of Doral Code. Contractors shall be FDOT prequalified and shall have provide certifications 10 days prior to award. These documents shall be furnished to the City along with the Bid response. Failure to furnish these documents or to have required licensor will be grounds for rejecting the Bid and forfeiture of the Bid Bond.

4.2 BIDDER shall furnish to the Finance Director, City of Doral, 8401 NW 53rd Terrace Doral, Florida 33166, certificate(s) of insurance which indicate that insurance coverage has been obtained from an insurance company authorized to do business in the State of Florida or otherwise secured in a manner satisfactory to the City, for those coverage types and amounts listed in Exhibit A - Insurance Requirements. At the time of Bid submission, the BIDDER must submit certificates of insurance.

5.1 All insurance shall be issued by companies rated A-: Class V or better per A.M. Best's Key Rating Guide, latest edition and authorized to issue insurance in the State of Florida. It shall be the responsibility of the BIDDER and insurer to notify the finance support services director of the City of Doral of cancellation, lapse, or material modification of any insurance policies insuring the BIDDER, which relate to the activities of such vendor and the City of Doral. Such notification shall be in writing and shall be submitted to the City Finance Director thirty (30) days prior to cancellation of such policies. This requirement shall be reflected on the certificate of insurance.

5.2 Failure to fully and satisfactorily comply with the city's insurance and bonding requirements set forth herein will result in the Rejection of the Bid by the City. The BIDDER hereby holds the City, the State of Florida, the Department of Transportation, and it officers and employees harmless and agrees to indemnify the City and covenants not to sue the City, the State of Florida, the Department of Transportation, and it officers and employees by virtue of such rejection. To the fullest extent permitted by law, the City's contractor shall indemnify and hold harmless the Agency, the State of Florida, Department of Transportation, and its officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the contractor and persons employed or utilized by the contractor in the performance of this Contract.

This indemnification shall survive the termination of this Contract. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida and the City's sovereign immunity.

5.3 Copy rights and/or Patent Rights: BIDDER warrants

that there has been no violation of copyrights or patent rights in manufacturing, producing or selling of goods shipped or ordered, as a result of this Bid. The bidder agrees to indemnify the City, the State of Florida, the Department of Transportation, and its officers and employees from any and all liability, loss, or expense occasioned by any such violation. To the fullest extent permitted by law, the City's contractor shall indemnify and hold harmless the Agency, the State of Florida, Department of Transportation, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the contractor and persons employed or utilized by the contractor in the performance of this Contract.

This indemnification shall survive the termination of this Contract. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida and the City's sovereign immunity.

6.1 Warranty/Guaranty: successful BIDDER shall take all necessary steps and complete all forms for Warranty / Guarantee coverage under this Contract. BIDDER warrants by signature on the Bid Form that prices quoted here are in conformity with the latest Federal Price Guidelines.

6.2 Samples: samples of items, when required, must be furnished by the BIDDER free of charge to the City. Each individual sample must be labeled with the BIDDER's name and manufacturer's brand name and delivered by them within ten (10) calendar days of the Bid opening unless schedule indicates a different time. If samples are requested subsequent to the Bid opening, they should be delivered within ten (10) calendar days of the request. The City will not be responsible for returning samples.

6.3 Governmental Restrictions: in the event any governmental restrictions may be imposed which would necessitate alteration of the material quality, workmanship, or performance of the items offered on this Bid prior to their delivery, it shall be the responsibility of the successful BIDDER to notify the City at once, indicating in their letter the specific regulation which required an alteration. The City of Doral reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel at no further expense to the City.

6.4 Assignment: the BIDDER shall not transfer or assign the performance required by this Bid without prior written consent of the City Manager. Any award issued pursuant to the Invitation to Bid and monies which may be due hereunder are not assignable except with prior written approval of the City Manager. Further, in the event that the majority ownership or control of the BIDDER changes hands subsequent to the award of this contract, BIDDER shall promptly notify CITY in writing of such change in ownership or control at least thirty (30) days prior to such change and CITY shall have the right to terminate the contract upon sixty (60) days written notice, at CITY's sole discretion.

6.5 Award of Bids: The City intends to award a contract for NW 58th Street Outfall Project to the contractor that is the lowest, most responsive, and responsible bidder. The City of Doral reserves the right to accept or reject any and / or all bids or parts of bids, to waive any informality, irregularities, or technicalities, to re-advertise for bids, or take any other actions that may be deemed to be in the best interests of the City. The City also reserves the right to waive minor variations to the specifications (interpretation of such to be made by the applicable department personnel). Final determination and award of Bid(s) shall be made by the City Council. In addition, each bidder agrees to waive any claim it has or may have against the CITY, the Successful Bidder, and the respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

6.6 Discrepancies: in case of discrepancies, computed dimensions shall govern over scaled dimensions; supplemental specifications shall govern over standard specifications; and special specifications shall govern over drawings, supplemental and standard specifications.

7.1 Evaluation of Bids: The City, at its sole discretion, reserves the right to inspect any / all BIDDER's facilities to determine their capability of meeting the requirements for the Contract. Also, price, responsibility, and responsiveness of the BIDDER, the financial position, experience, staffing, equipment, materials, references, and past history of service to the City and / or with other units of state, and / or local governments in Florida, or comparable private entities, will be taken into consideration in the Award of the Contract.

7.2 Identical (tie bids): In the event of a Tie Bid, the bidder that has completed the most projects of similar scope and budget, will be the bidder recommended for award.

7.3 Preference to Local Businesses: No local or state preference for this ITB.

7.4 Hold Harmless: all BIDDERS shall defend, indemnify, and hold harmless the City of Doral, its officers, agents

and employees, from and against any and all demands, claims, losses, suits, liabilities, causes of action, judgment or damages, arising out of, related to, or any way connected with BIDDER's performance or non-performance of any provision of this Agreement including, but not limited to, liabilities arising from Agreements between the BIDDER and third parties made pursuant to this Agreement. BIDDER shall reimburse the City of Doral for all its expenses including reasonable attorneys' fees and costs incurred in and about the defense of any such claim or investigation and for any judgment or damages arising out of, related to, or in any way connected with BIDDER's performance or non-performance of this Agreement. This indemnification may not exceed the limits established in Section 768.25 of the Florida Statutes.

- "To the extent provided by law, Bidders shall indemnify, defend, and hold harmless the City of Doral and the State of Florida, Department of Transportation, including the Department's officers, agents, and employees, against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful act(s) of Bidder or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by Bidder hereunder, to the extent and within the limitations of Section 768.28, Florida Statutes.

- The foregoing indemnification shall not constitute a waiver of sovereign immunity beyond the limits set forth in Florida Statutes, Section 768.28. Nor shall the same be construed to constitute agreement by Bidder to indemnify City of Doral for the negligent acts or omissions of City of Doral, its officers, agents, or employees, or third parties. Nor shall the same be construed to constitute agreement by City of Doral to indemnify the Department for the negligent acts or omissions of the Department, its officers, agents, or employees, or third parties. This indemnification shall survive the termination of this Agreement."

This section shall be interpreted and construed in a manner to comply with any applicable Florida Statutes, including without limitation Sections 725.06 and 725.08, Fla. Stat., if applicable.

7.5 Cancellation: failure on the part of the BIDDER to comply with the conditions, specifications, requirements, and terms as determined by the City, shall be just cause for cancellation of the Award.

7.6 Disputes: if any dispute concerning a question of fact arises under the Contract, other than termination for default or convenience, the BIDDER and the CITY department responsible for the administration of the Contract shall make a good faith effort to resolve the dispute. If the dispute cannot be resolved by agreement, then the department with the advice of the CITY Attorney shall resolve the dispute and send a written copy of its decision to the CONTRACTOR, which shall be binding on both parties.

8.1 Non-conformance to Contract: The City of Doral may withhold acceptance of, or reject items which are found upon examination, not to meet the specification requirements. Upon written notification of rejection, items shall be repaired to the City's satisfaction within (5) calendar days by the contractor at their own expense and redelivered at their expense. Rejected goods left longer than thirty (30) calendar days will be regarded as abandoned and the City shall have the right to dispose of them as its own property. Rejection for non-conformance or failure to meet delivery schedules may result in the Contractor being found in default.

8.2 Default Provision: in case of default by the BIDDER or CONTRACTOR, the City of Doral may procure the articles or services from other sources and hold the BIDDER or CONTRACTOR responsible for any excess costs occasioned or incurred thereby.

8.3 Indemnification: In consideration of the separate sum of twenty-five dollars ($25.00) and other valuable consideration, the CONTRACTOR shall indemnify, defend and save harmless the CITY, its elected officers, agents, volunteers, and employees, from or on account of any injuries or damages, received or sustained by any person or persons during or on account of any operations connected with the construction of this Project, or by or in consequence of any negligence by or on account of any act or omission of the said CONTRACTOR or his Subcontractor, agents, servants or employees. The CONTRACTOR will indemnify, defend and hold harmless the CITY, it's elected officers, and their agents, volunteers, or employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim damage, loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property including the loss of use resulting wherefrom and (b) is caused in whole or in part by any negligent act or omission of the CONTRACTOR, Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused by a party indemnified hereunder. In the event that a court of competent

jurisdiction determines that Sec. 725.06 (2), F.S. is applicable to this Work, then in lieu of the above provisions of this section the parties agree that CONTRACTOR shall indemnify, defend and hold harmless CITY, their officers and employees, to the fullest extent authorized by Sec. 725.06 (2) F.S., which statutory provisions shall be deemed to be incorporated herein by reference as if fully set forth herein.

Additionally, the Agency agrees to include the following indemnification in all contracts with contractors/ subcontractors, or consultants/ subconsultants who perform work in connection with this Agreement: "To the fullest extent permitted by law, the City of Doral's contractor shall indemnify and hold harmless the Agency, the State of Florida, Department of Transportation, and its officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the contractor and persons employed or utilized by the contractor in the performance of this Contract."

This indemnification shall survive the termination of this Contract. Nothing contained in this paragraph is intended to, nor shall it constitute a waiver of the State of Florida and the Agency's
sovereign immunity."

8.4 Secondary/Other Vendors: The City reserves the right in the event the primary bidder cannot provide an item(s) or service(s) in a timely manner as requested, to seek other sources without violating the Contract.

8.5 Specifications: All construction and materials furnished by the successful BIDDER shall conform to the Standard and Specifications of the City of Doral, Miami-Dade County Public Works Department Standards and Specifications Parts 1, 2 & 3, The Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, The Florida Department of Transportation Roadway and Traffic Design Standards, and the Florida Department of Transportation Standards and Specifications. BIDDER shall also perform all work in a safe manner, specifically, the rules and regulations of the Occupational Safety and Health Administration (OSHA) and the Manual of Uniform Traffic Control Devices (MUTCD) shall be strictly observed.

8.6 Compliance with Orders and Laws

Successful Proposers shall comply with all local, state, and federal directives, ordinances, rules, orders, and laws as applicable to this RFP and subsequent contracting including, but not limited to:

- **Executive Order 11246 (which prohibits discrimination against any employee, applicant, or client because of race, creed, color, national origin, sex, or age with regard to, but not limited to, employment practices, rate of pay or other compensation methods, and training.)**
- **Occupational, Safety and Health Act (OSHA)**
- **The State of Florida Statutes Section 287.133(3)(A) on Public Entity Crimes**
- **Environment Protection Agency (EPA)**
- **Uniform Commercial Code (Florida Statutes, Chapter 672)**
- **American with Disabilities Act of 1990, as amended**
- **National Institute of Occupational Safety Hazards (NIOSH)**
- **National Forest Products Association (NFPA)**
- **State of Florida Department of Transportation-Rule 14-90, Florida Admin. Code**
- **U.S. Department of Transportation**
- **City of Doral, City Ordinance No. 2004-03**
- **Cone of Silence, Miami-Dade County Code of Ordinances**
- **The State of Florida Statutes Sections 218.73 and 218.74 on Prompt Payment**

Proposer hereby recognizes and certifies that no elected official, board member, or employee of the City shall have a financial interest directly or indirectly in this transaction or any compensation to be paid under or through this transaction, and further, that no City employee, nor any elected or appointed officer, including, but not limited to, City Advisory Board members, of the City, nor any spouse, parent or child of such employee or elected or appointed officer of the City, may be a partner, officer, director or proprietor of Proposer or Proposer, and further, that no such City employee or elected or appointed officer, or the spouse, parent or child of any of them, alone or in combination, may have a material interest in the Vendor or Proposer. Material interest means direct or indirect ownership of more than 5% of the total assets or capital stock of the Proposer. Any exception to these above-described restrictions must be expressly provided by applicable law or ordinance and be confirmed in writing by City. Further,

Proposer recognizes that with respect to this transaction, if any Proposer violates or is a party to a violation of the ethics ordinances or rules of the City, the provisions of Miami- Dade County Code Section 2-11.1, as applicable to City, or the provisions of Chapter 112, part III, Fla. Stat., the Code of Ethics for Public Officers and Employees, such Proposer may be disqualified from furnishing the goods or services for which the proposal is submitted and may be further disqualified from submitting any future proposals or statements for goods or services to City. Proposer must complete and execute the Business Entity Affidavit form. The term "Proposer," as used in this section specifically includes any person or entity making and submitting a statement to the City for the provision of goods and/or services to City.

Lack of knowledge by the Proposer will in no way be a cause for relief from responsibility. Non- compliance with all local, state, and federal directives, orders, and laws may be considered grounds for termination of contract(s).

8.7 Cone of Silence Provisions:

Notwithstanding any other provision of these specifications, the provisions of City "Cone of Silence" are applicable to this transaction. The "Cone of Silence," as used herein, means a prohibition on any communication regarding a particular Request for Proposal ("RFP"), Request for Qualification ("RFQ") or bid, between:

A potential vendor, service provider, proposer, bidder, lobbyist, or contractor, and:

The City Council, City's professional staff including, but not limited to, the City Manager and his or her staff, any member of the City's selection or evaluation committee.

The Cone of Silence shall be imposed upon each ITB, RFQ and bid after the advertisement of said ITB, RFQ, or bid.

The Cone of Silence shall terminate at the time the City Manager makes his or her written recommendation to the City Council. However, if the City Council refers the Manager's recommendation back to the Manager or staff for further review, the Cone of Silence shall be re- imposed until such time as the Manager makes a subsequent written recommendation.

The Cone of Silence shall not apply to:

1) oral communications at pre-bid conferences;
2) public presentations made to the City Council during any duly noticed public meeting;
3) communication in writing at any time with any City employee, unless specifically prohibited by the applicable ITB, RFQ or bid documents. The bidder or proposer shall file a copy of any written communication with the City Clerk. The City Clerk shall make copies available to any person upon request;
4) communications regarding a particular ITB, RFQ or bid between a potential vendor, service provider, proposer, bidder, lobbyist or contractor and the City's Purchasing Agent or City employee designated responsible for administering the procurement process for such ITB, RFQ or bid, provided the communication is limited strictly to matters of process or procedure already contained in the corresponding solicitation document;
5) communications with the City Attorney and his or her staff;
6) duly noticed site visits to determine the competency of bidders regarding a particular bid during the time period between the opening of bids and the time the City Manager makes his or her written recommendation;
7) any emergency procurement of goods or services pursuant to City Code;
8) responses to the City's request for clarification or additional information; and
9) communications to enable City staff to seek and obtain industry comment or perform market research, provided all communications related thereto between a potential vendor, services provider, proposer, bidder, lobbyist, or contractor and any member of the City's professional staff including, but not limited to, the City Manager and his or her staff are in writing or are made at a duly noticed public meeting.

Contact the Procurement office or the City Attorney for any questions concerning Cone of Silence compliance.
Violation of the Cone of Silence by a particular bidder or proposer shall render any ITB award or RFQ award to said bidder or proposer voidable by the City Council and/or City Manager.

9.1 Bonding Requirements: The BIDDER, in submitting this Bid, must include a 5% Bid Bond for the amount of the base Bid. Such bond shall be from a Surety Company in the amount of 5% of the total amount of the base Bid. A company, cashier or personal check shall not be deemed a valid Bid Security.

9.1.1 Performance and Payment Bond: The City of Doral shall require the successful BIDDER to furnish a Performance Bond and Payment bond, each, in the amount of 100% of the total Bid Price, with the City of Doral as the Obligee, as security for the faithful performance of the Contract and for the payment of all persons performing labor or furnishing materials in connection herewith. The bonds shall be with a surety company authorized to do business in the State of Florida.

9.1.2 Bid Guaranty: The successful BIDDER shall execute the Contract (Agreement) and provide the required Performance Bond, Payment Bond, and Certificates of Insurance within ten (10) calendar days of notification of the award by the City.

The BIDDER who has the Contract awarded to them and who fails to execute the Contract, furnish the Performance and Payment Bonds, and/or Insurance Certificates within the specified time shall forfeit the Bid Security that accompanied their Bid, and the Bid Security shall be retained as liquidated damages by the City, and it is agreed that this sum is a fair estimate of the amount of damages the City will sustain in case the BIDDER fails to enter into the Contract and furnish the Bonds as herein before provided. Bid Security deposited in the form of a cashier's check drawn on a local bank in good standing shall be subject to the same requirements as a Bid Bond.

9.2 Contract Time and Contract Time Extensions:
The time of completion of the work to be performed under this contract is the essence of the contract. Delays and extensions of time may be allowed only in accordance with the provisions stated in the appropriate section of the general conditions.

It is the intent of the City to award a contract for a period of **ninety (90) calendar days** for final completion.

If applicable, the time allowed for the completion of the work shall be stated in each work order.

10.1 Conflicts of Interest: The award of any contract hereunder is subject to the provisions of Chapter 112, Florida State Statutes. BIDDER's must disclose with their Bids, the name of any officer, director, partner, associate or agent who is also an officer or employee of the City of Doral or its' agencies.

10.2 Termination for Default
If the Awarded Proposer defaults in its performance under this Contract and does not cure the default within thirty (30) days after written notice of default, the City may terminate this Contract, in whole or in part, upon written notice without penalty to the City. In such event, the Awarded Proposer shall be liable for damages, including, but not limited to, the excess cost of procuring similar supplies or services: provided that if, (1) it is determined for any reason that the Awarded Proposer was not in default or (2) the Awarded Proposer's failure to perform is without his control, fault or negligence, the termination will be deemed to be a termination for the convenience of the City.

10.3 Termination for Convenience
The City Manager may terminate the Contract that may result from this RFP, in whole or in part, upon thirty (30) days prior written notice when it is in the best interests of the City. If so terminated, the City shall be liable only for payment in accordance with the payment provisions of the Contract for those services rendered prior to termination.

10.4 Anti-Trust Provision
At such times, as may serve its best interest, the City reserves the right to advertise for, receive, and award additional contracts for these herein items, and to make use of other competitively proposal (government) contracts for the purchase of these goods and/ or services as may be available.

10.5 Public Records, Audit Rights and Records Retention
The Upon award recommendation or thirty (30) days after the opening of RFP responses, whichever is earlier, any material submitted in response to this Request for Qualifications will become a "Public Record" and shall be subject to public disclosure consistent with Chapter 119, Florida Statutes (Public Record Law). Proposers must claim the applicable exemptions to disclosure provided by law in their response to the Request for Qualifications by identifying materials to be protected and must state the reasons why exclusions from public disclosures are necessary and legal. The City reserves the right to make any final determination on the applicability of the Public Records Law. The Awarded Proposer agrees to provide access to the City, or any of their duly authorized representatives, to any books, documents, papers, and

records of the Awarded Proposer which are directly pertinent to the contract, for the purposes of audit, examination, excerpts, and transcriptions. The Awarded Proposer shall maintain and retain any and all of the aforementioned records after the expiration and/or termination of the agreement, as provided by Chapter 119, Florida Statutes.

10.6 Capital Expenditures

Awarded Proposer understands that any capital expenditures that the Awarded Proposer makes, or prepares to make, in order to perform the services required by the City of Doral, is a business risk which the Awarded Proposer must assume. The City of Doral will not be obligated to reimburse amortized or unamortized capital expenditures, any other expenses, or to maintain the approved status of the Awarded Proposer. If Awarded Proposer has been unable to recoup its capital expenditures during the time it is rendering such services, it shall not have any claim upon the City of Doral.

10.7 No Partnership or Joint Venture

Nothing contained in this Contract will be deemed or construed to create a partnership or joint venture between the City of Doral and Awarded Proposer/Proposer, or to create any other similar relationship between the parties.

11.1 The Parties agree to comply with s.20.055(5) Florida Statutes, and to incorporate in all subcontracts the obligation to comply with Florida Statutes (5). It is the duty of every state officer, employee, agency, special district, board, commission, contractor and subcontractor to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to this section.

11.2 Grant Funded Procurement and Contracting

Goods and services to be procured, which are funded by a Federal grant program, must be procured in accordance with the current guidelines and procedures in 2 CFR §200.318 through §200.327 including Appendix II.

11.3 Limitation on Use of Official Seal

Ordinance No. 2019-09, § 2, 5-8-2019 - It shall be unlawful and a violation of this section for any person, firm, corporation or other legal entity to print for the purpose of sale or distribution or circulate, manufacture, publish, use, display, or offer for sale any letters, papers, documents, or items of merchandise which simulate the official seal of the city or the stationery or a real or fictitious agency, department or instrumentality of the city without the expressed written authority of the city council or its designee. The unauthorized use shall be punishable as provided in F.S. §§ 775.082 and 775.083.

11.4 Resolution of Protested Solicitations And Awards.

Ordinance No. 2008-04, Sec. 2-338 - Formal

1.27.1 Right to protest on formal solicitations. The following procedures shall be used for resolution of protested formal solicitations and awards:

A. Protest of solicitations. Any actual or prospective bidder or offeror who perceives itself aggrieved in connection with the solicitation of a contract may file a written protest with the City Clerk within five business days prior to the date set for opening of bids or receipt of proposals.

B. Protest of award. Any actual bidder or offeror who perceives itself aggrieved in connection with the recommended award of a contract may file a written protest with the city clerk. The protest shall be filed within three business days after such aggrieved person knows or should have known of the facts giving rise thereto.

1.27.2 Authority to resolve protests. The chief procurement officer, after consultation with the city attorney, shall issue a written decision within ten days after receipt of the protest. Said decision shall be sent to the city manager with a copy to the protesting party. The city manager may then either resolve the protest or reject all proposals. The decision shall be sent to the city council. Any aggrieved person may appeal the decision of the city manager to award a solicitation or bid within five days of issuance of a written decision. Upon appeal of the decision of the city manager, the decision shall be submitted to the city council for approval or disapproval thereof.

1.27.3 Stay of procurements during protests. Upon receipt of a written protest filed pursuant to the requirements of this section, the city shall not proceed further with the solicitation or with the award of the contract until the protest is resolved by the city as provided in subsection (b) of this section, unless the city manager, after consultation with the head of the using department and city attorney, makes a written determination that the solicitation process or the contract award must be continued without delay in order to protect substantial interests of the city.

1.27.4 Filing fee. Within three business days after filing the written protest, the protestor must submit to the city clerk a filing fee in the form of a money order or cashier's check, payable to the city, in an amount equal to one percent of the amount of the bid or proposed contract, or $1,000.00, whichever is less. The filing fee shall guarantee the payment of all costs which may be adjudged against the protestor in any administrative or court proceeding. If the protest is denied, the filing fee shall be forfeited to the city in lieu of payment of costs for the administrative proceedings. If the protest is upheld by the city, the filing

fee shall be refunded to the protestor.

1.27.5 Entitlement to costs. In addition to any other relief, when a protest is sustained and the protesting bidder or offeror should have been awarded the contract under the solicitation but is not, then the protesting bidder or offeror shall be entitled to the reasonable costs other than attorney's fees.

1.27.6 Compliance with filing requirements. Failure of a party to file the protest or submit the filing fee on a timely basis shall constitute a forfeiture of such party's right to file a protest pursuant to this section. The protesting party shall not be entitled to seek judicial relief without first having followed the procedures set forth in this section.

11.5 Non-Performance

(1) **Delivery Delays:** the City reserves the right to procure goods and/or services to be provided under this Contract from other sources in the event Contractor fails to deliver such goods and/or service deliverables in accordance with delivery dates and time frames set forth in this Contract.

(2) **Unacceptable Deliveries (Rejections):** Upon notification by the City that goods and/or service deliverables provided by the Contractor under this Contract are damaged and/or not of the quality specified by the City, such goods and/or service deliverables will be rejected. Contractor shall replace such rejected goods and/or service deliverables immediately or within a reasonable time as determined by the City.

(3) Contractor shall remove all rejected materials, equipment or supplies from the premises of the City within ten (10) days of notification. Rejected goods and/or service deliverables not removed from City's premises within ten (10) days will be regarded as abandoned, shall become the property of the City, and the City shall have the right to dispose of such items.

(4) The City reserves the right to authorize immediate purchase from other sources against rejections.

(5) **Liability:** Contractor shall be liable to the City of Doral for all costs incurred by the City as a result of Contractor's failure to perform in accordance with this Contract. Contractor's liability shall include, but not be limited to:

a. Damages and other delay costs, to include costs to procure goods/services from alternate suppliers.
b. Increased costs of performance, such as extended overhead and increased performance costs resulting from performance delays caused by Contractor and/or rejections of Contractor's goods and/or service deliverables.
c. Warranty and rework costs, liability to third party, excess costs, reasonable attorney's fees, and related costs incurred by the City due to non-responsive performance of Contractor.

11.6 Business Entity Code Of Business Ethics And Conduct

Ordinance No. 2021-34, Secs. 2-384 - Business Entity Code of Business Ethics and Conduct

The City will not contract or transact business with a person, corporation, partnership, firm or other business entity in the event of a conflict of interest -under state or local law if: (1) neither an exemption nor opportunity to waive the conflict of interest exists; or (2) an opportunity to waive the conflict exists, but the City does not waive it. If a conflict of interest is waivable, the City Council shall have the sole Authority for waiving it.

Business Entities

Vendors shall be familiar and comply with all applicable conflict of interest legal requirements including Florida's Code of Ethics for Public Officers, Chapter 112, Part III, Florida Statutes, Sec. 2-11.1. - Conflict of Interest Ordinance, Code of Miami Dade County.

Applicability and Reporting Requirements.

All persons, corporations, partnerships, firms or other business entities transacting business with the City shall be familiar and comply with local and state conflict of interest laws, nepotism, ordinances, policies or directives (hereinafter "conflict of interest law").

Compulsory disclosure by firms doing business with the city or in the city.

In order to ensure that the city and all business entities conduct business with the city do so according to the highest standards of ethics, the city has established reasonable procedures designed to prevent and detect conflicts of interest. The city is committed to avoiding conflicts of interest and maintaining interactions with business entities seeking city council approval in a fully transparent manner. Accordingly, requiring the full disclosure of principals, companies and subcontractors minimizes the potential for conflicts of interest. Any business entity which has business commitments to or from the City through solicitations, contracts, and orders for services or is working on a project in the City that may go before the City Council for approval shall comply with the disclosure requirements of this section.

(a) The Contracting officer shall report annually by October 31, for services performed under this

contract during the preceding fiscal year (October 1-September 30).

1. Subcontract number (including subcontractor name and unique entity identifier); and
2. The number of subcontractors direct-labor hours expended on the services performed during the previous city fiscal year.
3. The total dollar amount invoiced for services performed during the previous city fiscal year under the contract.

(b) The Contracting office shall also require that all vendors and subcontractors complete and return the conflict-of-interest disclosure form.

(c) For projects placed on the City Council agenda for approval, the Contracting officer shall file a report with the City Clerk no later than seven days before the item is scheduled to be heard by the city council. The report shall contain shall report the following information:

1. The names of all subcontractors providing services.
2. The value of each subcontract.
3. The number of subcontractors direct-labor hours expended/or anticipated on the services.
4. A list of names of subcontractors proposed to perform principal portions of the work.

(d) Whenever any person is in doubt as to the applicability of conflict-of-interest law to himself or herself or his or her company, that person may submit to the Office of the City Attorney a full written statement of the facts and questions he or she has. The Office of the City Attorney shall render an opinion to that person.

END OF SECTION

SECTION 00300

TRENCH SAFETY FORM

This form must be completed and signed by the Bidder.

Failure to complete this form may result in the bid being declared non-responsive.

Bidder acknowledges that the Florida Trench Safety Act, Section 553.60 *et seq*, Fla. Stat. which became effective October 1, 1990, shall be in effect during the period of construction of the Project. The Bidder by signing and submitting the Bid is, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The Bidder further identifies the following separate item of cost of compliance with the applicable trench safety standards as well as the method of compliance:

Method of Compliance **Cost**

Total: $_____

Bidder acknowledges that this cost is included in the applicable items of the Bid and in the Total Base Bid. Failure to complete the above may result in the bid being declared non-responsive.

The Bidder is, and the CITY and ENGINEER are not, responsible to review or assess Bidder's safety precautions, programs of costs, of the means, methods, techniques or technique adequacy, reasonableness of cost, sequences of procedures of any safety precaution, program or cost, including but not limited to, compliance with any and all requirements of Section 553.60 *et. seq*., Fla. Stat. cited as the "Trench Safety Act". Bidder is, and the CITY and ENGINEER are not, responsible to determine, if any safety or safety related standards apply to the Project, including but not limited to, the "Trench Safety Act".

_____ _____

Witness Signature Bidder's Signature

_____ _____

Printed Name Printed Name

_____ _____

Date Title

_____

Date

SECTION 00320

HURRICANE PREPAREDNESS

HURRICANEPREPAREDNESS

A. The CONTRACTOR shall submit a "Site Specific" Hurricane Preparedness Plan to the City and Engineer at the Pre-construction Conference. The Plan shall outline the necessary measures that the CONTRACTOR proposes to perform at no additional cost to the City in case of a hurricane watch and a hurricane warning.

B. General:
   1. During such periods of time as designated by the United States Weather Bureau or local authorities as being a hurricane alert, the CONTRACTOR shall perform all precautions as necessary to safeguard the work and property, including the removal of all small equipment and materials from the site, lashing all other equipment and materials to each other and to rigid construction, and any other safety measures as may be directed by the Engineer and the City.

C. Upon Notification of a Hurricane Watch:
   1. CONTRACTOR shall prepare and submit for approval a Plan of Action for the specific actions to be taken on this project.

D. Upon Notification of a Hurricane Warning:
   1. CONTRACTOR shall implement the approved Plan of Action to protect the Project and the public.
   2. The CONTRACTOR shall backfill all open trenches, remove all construction equipment and materials from the right-of-way, remove unnecessary traffic barricades and signs, secure remaining barricades by "half burial" or "double sandbags".

END OF SECTION

SECTION 00400 - CONSTRUCTION CONTRACT

This Contract (the **"**Contract**"**) is dated as of the _____ day of _____20___ by and between the City of Doral (hereinafter called the **"**CITY**"**) and _____ (hereinafter called "CONTRACTOR") located at: _____.

CITY and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 – WORK

1.1 Project/Work: CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as the following: The Project consists of "***ITB No.2022-05 – Doral Boulevard Median Landscaping Improvements Phase II"*** all in accordance with the construction drawings.

ARTICLE 2 – CITY'S REPRESENTATIVE, ARCHITECT AND ENGINEER

2.1 It is understood that the CITY will designate a representative for the Work. The CITY'S REPRESENTATIVE referred to in any of the Contract Documents designated herein is **Carlos Arroyo, Public Works Director**, at City of Doral Government Center, 8401 NW 53rd Terrace Doral, Florida 33166.

2.2 The CITY's ARCHITECT referred to in any of the Contract Documents designated herein is _____N/A_____, _____N/A_____.

2.3 The CITY's ENGINEER/ARCHTECT referred to in any of the Contract Documents designated is **Todd Mohler, RLA**, at KCI Technologies, Inc.; 1425 W. Cypress Creek Road, Suite #101, Fort Lauderdale, Florida 33309

ARTICLE 3 – TERM

3.1 Contract Times. Contract Time will commence on the date the Agreement is executed and shall continue consequently for a period of **one hundred and fifty (150) calendar days**. Work shall be completed ("Final Completion") and shall be ready for final payment in accordance with the Contract Documents within thirty (30) calendar days from the date substantial completion is accepted

3.2 Term. This Contract shall not be effective until it is fully executed between the CITY and the CONTRACTOR. The term of the Contract shall be through the date of final payment unless terminated earlier pursuant to Section 00710 – General Conditions, Article 12, Suspension of Work and Termination.

3.3 Survival of Obligations. Any obligations by the CONTRACTOR, including but not limited to those set forth in Section 00710 – General Conditions, Article 13, CONTRACTOR**'**s General Warranty and Guarantee, that would or could occur after the date of expiration or termination of the Contract shall survive the termination or expiration of the Contract.

3.4 Liquidated Damages. CITY and CONTRACTOR recognize that time is of the essence in this Contract and that the CITY will suffer financial loss if the Work is not completed within the contract times specified in Section 3.1 for the Work above, plus any approved extensions thereof allowed in accordance with the General Conditions. The CONTRACTOR also recognizes the delays, expense and difficulties involved in proving the actual loss suffered by CITY if the Work is not completed on time. Accordingly, instead of requiring any such proof, CITY and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay CITY **$1,665.00** for each calendar day that expires after the time specified in Section 3.1 for Substantial Completion of the Work. After Final Completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified in Section 3.1 for completion and readiness for final payment or any proper extension thereof granted by CITY, CONTRACTOR shall pay CITY **$1,665.00** for each calendar day that expires after the time specified in Section 3.1 for completion and readiness for final payment.

3.5 Should the Final Completion and acceptance of Work, together with any modification or additions, be delayed beyond the time for performance set in Section 3.1 above because of lack of performance by the CONTRACTOR, it is understood and agreed that aside from any other liquidated damages, all actual additional costs or losses incurred by the CITY including, but not limited to, completion CONTRACTOR services, financing, professional services, unrealized revenue, will be the responsibility of the CONTRACTOR.

3.6 Monies due to the CITY under Sections 3.4 and 3.5 shall be deducted from any monies due the CONTRACTOR, or if no money is due or the amount due is insufficient to cover the amount charged the CONTRACTOR shall be liable for said amount.

ARTICLE 4 – CONTRACT PRICE

4.1 CITY shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to this Article. The CONTRACTOR shall provide the Work at a not to exceed amount of:

$ _____.

_____

(*Written amount*)

4.1.1 For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated on the Unit Price Bid Form Section 00410. Estimated quantities are not guaranteed, and determination of actual quantities and classification are to be made by ENGINEER as provided in the Contract Documents.

4.2 The CONTRACTOR agrees that all specific cash allowances are included in the above Contract Price and have been computed in accordance with the Contract Documents.

4.3 A cost breakdown (schedule of values) shall be submitted to the Engineer by the CONTRACTOR for approval by the Engineer within seven days after notification of award of Contract. The schedule of values shall be used as the basis for making progress payments and for determining the cost of extra work where the extra work is an increase in the quantity of work included in the cost breakdown. The cost breakdown shall be complete, with each item of materials, equipment and supplies listed, together with the quantity and price thereof, the sum of which shall be equal to the aggregate sum prices bid for "materials, equipment and supplies". The breakdown shall include a separate column of figures which shall be the cost of installation of the above items, which cost shall include prorated share of bonds, insurance, overhead and profit. The sum of this second column of figures shall be equal to the aggregate sum prices bid for "all other costs incurred in completing the project". Any item(s), as determined by the City to be unbalanced, will not be acceptable.

The CONTRACTOR shall retain a copy of the cost breakdown in their files for reference purposes.

ARTICLE 5 – PAYMENT PROCEDURES

5.1 CONTRACTOR shall submit Applications for Payment in accordance with the Section 00710 - General Conditions, Article 11, Payments to CONTRACTOR and Completion. Applications for Payment will be processed by CITY as provided in the General Conditions.

5.2 Progress Payments, Retainage. CITY shall make progress payments, deducting the amount from the Contract Price above, on the basis of CONTRACTOR'S Applications for Payment as recommended by the CITY'S REPRESENTATIVE, on or about the last day of each month during construction as provided herein. All such payments will be made in accordance with the schedule of values established in the General Conditions or, in the event there is no schedule of values, as provided in the General Conditions.

5.2.1 No progress payment shall be made until CONTRACTOR delivers to the CITY complete original partial releases of all liens and claims signed by all Subcontractors, materialmen, suppliers, and vendors, indicating amount of partial payment, on a City of Doral Release of lien Form (Exhibit E), and an affidavit that so far as the CONTRACTOR has knowledge or information, the releases include and cover all Materials and Work for which a lien or claim could be filed for work completed to date. CONTRACTOR shall also provide a partial release of lien as Prime CONTRACTOR utilizing City of Doral Form (Exhibit D). CONTRACTOR shall also include red-line as-builts and an updated progress schedule.

5.3 The CONTRACTOR agrees that five percent (5%) of the amount due for Work as set forth in each Application for Payment shall be retained by CITY for each Progress Payment until Final Payment, as defined in Section 00710 - General Conditions, Article 11, Payments to CONTRACTOR and Completion.

5.3.1 Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated above, but, in each case, less the aggregate of payments previously made and less such amounts as CITY'S REPRESENTATIVE shall determine, or CITY may withhold, in accordance with the General Conditions.

5.4 The payment of any Application for Payment by CITY, including the Final Request, does not constitute approval or acceptance by CITY of any item of the Work in such Request for Payment, nor shall it be construed as a waiver of any of CITY's rights hereunder or at law or in equity.

5.5 The Final Application for Payment by CONTRACTOR shall not be made until the CONTRACTOR delivers to the CITY complete original releases of all liens and claims signed by all Subcontractors, materialmen, suppliers, and vendors on a City of Doral Release of lien Form (Exhibit J), and an affidavit that so far as the CONTRACTOR has knowledge or information, the releases include and cover all Materials and Work for which a lien or claim could be filed. The CONTRACTOR shall also provide a final release of lien as Prime CONTRACTOR utilizing City of Doral Form (Exhibit I). The CONTRACTOR may, if any Subcontractor, materialmen, supplier, or vendor refuses to furnish the required Final Waiver of Lien, furnish a bond satisfactory to CITY to defend and indemnify CITY and any other property Owner, person or entity CITY may be required to indemnify against any lien or claim.

5.6 Final Payment. Upon final completion and acceptance of the Work in accordance with the General Conditions, CITY shall pay the remainder of the Contract Price and any retainage as recommended by the CITY'S REPRESENTATIVE.

ARTICLE 6 – INSURANCE/INDEMNIFICATION.

6.1 Insurance. The CONTRACTOR shall secure and maintain throughout the duration of this Contract, insurance of such type and in such amounts necessary to protect its interest and the interest of the CITY against hazards or risks of loss as specified in the General Conditions of the Contract Documents.

6.2 Indemnification. The CONTRACTOR shall indemnify, defend, and hold harmless the CITY, their officials, agents, employees, and volunteers as set forth in General Conditions of the Contract Documents.

ARTICLE 7 – CONTRACTOR'S REPRESENTATIONS.

In order to induce CITY to enter into this Contract, CONTRACTOR makes the following representations:

7.1 CONTRACTOR has examined and carefully studied the Contract Documents (including the Addenda) and the other related data identified in the Bidding Documents including **"**technical data.**"**

7.2 CONTRACTOR has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance or furnishing of the Work.

7.3 CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Work.

7.4 CONTRACTOR has made, or caused to be made, examinations, investigations, tests, or studies as necessary to determine surface and subsurface conditions at or on the site. CONTRACTOR acknowledges that CITY does not assume responsibility for the accuracy or completeness of information and data

shown or indicated in the Contract Documents with respect to underground facilities at or contiguous to the site. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all such additional supplementary examinations, investigations, fabrications, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by CONTRACTOR and safety precautions and programs incident thereto. CONTRACTOR does not consider that any additional examinations, investigations, explorations, tests, studies, or data are necessary for the performance and furnishing of the Work at the Contract Price, within the Contract Times and in accordance with the other terms and conditions of the Contract Documents.

7.5 The CONTRACTOR is aware of the general nature of Work to be performed by CITY and others at the site that relates to the Work as indicated in the Contract Documents.

7.6 The CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

7.7 The CONTRACTOR has given the CITY'S REPRESENTATIVE written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents and the written resolution thereof by the CITY'S REPRESENTATIVE is acceptable to CONTRACTOR, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

7.8 The CONTRACTOR warrants the following:

7.8.1 Anti-Discrimination: The CONTRACTOR agrees that it will not discriminate against any employees or applicants for employment or against persons for any other benefit or service under this Contract because of race, color, religion, sex, national origin, or physical or mental handicap where the handicap does not affect the ability of an individual to perform in a position of employment, and to abide by all federal and state laws regarding non-discrimination.

7.8.2 Anti-Kickback: The CONTRACTOR warrants that no person has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, and that no employee or officer of the CITY or any other applicable federal or state agency, has any interest, financially or otherwise, in the Project. For breach or violation of this warranty, the CITY shall have the right to annul this Contract without liability or, in its discretion, to deduct from the Contract Price or consideration, the full amount of such commission, percentage, brokerage or contingent fee.

7.8.3 Licensing and Permits: The CONTRACTOR warrants that it shall have, prior to commencement of work under this Contract and at all times during said work, all required licenses and permits whether federal, state, County or City.

7.8.4 Public Entity Crime Statement: The CONTRACTOR warrants that it has not been place on the convicted vendor list following a conviction for public entity crime, as specified in Section 00456, of the Instructions to Bidders.

ARTICLE 8 – CONTRACT DOCUMENTS.

8.1 The Contract Documents listed below, which are listed in their order of precedence for the purpose of resolving conflicts, errors, and discrepancies, by this reference shall become a part of the Contract as though physically attached as a part thereof:

8.1.1 Change Orders.

8.1.2 Field Orders.

8.1.3 Contract for Construction.

8.1.4 Exhibits to this Contract.

8.1.5 General Conditions Section 00710.

8.1.6 Supplementary Conditions Section 00720.

8.1.7 Any federal, state, county or City permits for the Project

8.1.8 Special Condition Section 0400810

8.1.9 Specifications and Drawings provided

Bid Documents, including but not limited to: Addendum, Invitation to Bid, Instructions to Bidders, Bid Form provided by CONTRACTOR, Notice of Award and Notice to Proceed.

8.1.10 Addenda subject matter takes the same precedence of the respective subject matter that it is modifying. Furthermore, each subsequent addendum takes precedence over previous addenda.

8.1.11 The documents listed above shall be incorporated into this Contract (except as expressly noted otherwise above).

8.1.12 There are no Contract Documents other than those listed above in this Article. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

8.1.13 The Contract Documents shall remain the property of the CITY. The CONTRACTOR shall have the right to keep one record set of the Contract Documents upon completion of the Project; provided; however, that in no event shall the CONTRACTOR use, or permit to be used, any or all of such Contract Documents on other projects without the City's prior written authorization.

8.1.14 The General Conditions discuss the bond and surety requirements of the CITY. This Contract does [x], does not [] require bonds. If the Contract does not require bonds, the references to bonds in the General Conditions do not apply to this Contract.

ARTICLE 9 – MISCELLANEOUS

9.1 Terms used in this Contract which are defined in Article 1 of the General Conditions will have the meanings indicated in the General Conditions. Terms used in Article 1 of the Instructions to Bidders also apply to this Contract.

9.2 Except as otherwise provided in the Contract Documents with respect to Subcontractors, no assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party thereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

9.3 CITY and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.

9.4 Severability. Should any provision, paragraph, sentence, word, or phrase contained in this Contract be determined by a court of competent jurisdiction to be invalid, illegal, or otherwise unenforceable under the laws of the State of Florida, such provision, paragraph, sentence, word, or phrase shall be deemed modified to the extent necessary in order to conform with such laws, then shall be deemed severable, and in this Contract, shall remain unmodified and in full force and effect.

9.5 Remedies. If and when any default of this Contract occurs, the CITY may avail itself of any legal or equitable remedies that may apply, including, but not limited to, actual damages and specific performance. Such remedies may be exercised in the sole discretion of the CITY. Nothing contained in this Contract shall limit the CITY from pursuing any legal or equitable remedies that may apply.

9.6 Access to Public Records. The CONTRACTOR shall comply with the applicable provisions of Chapter 119, Florida Statutes. The CITY shall have the right to immediately terminate this contract for the refusal by the CONTRACTOR to comply with Chapter 119, Florida Statutes. The CONTRACTOR shall

retain all records associated with this Contract for a period of five (5) years from the date of Final Payment or Termination of this Contract.

9.7 Inspection and Audit. During the term of this Contract and for five (5) years from the date of Termination, the CONTRACTOR shall allow CITY representatives access during reasonable business hours to CONTRACTOR'S records related to this Contract for the purposes of inspection or audit of such records. If upon an audit of such records, the CITY determines the CONTRACTOR was paid for services not performed, upon receipt of written demand by the CITY, the CONTRACTOR shall remit such payments to the CITY.

Night work or weekend work may be required for various areas within the project limits. The Contractor is responsible for costs associated with all night work including but not limited to, inspector costs, police or flagmen costs, signage and MOT costs and all other costs associated with night or weekend work.

All connections to existing piping systems shall be made as shown or indicated on the Drawings after consultation, cooperation, and coordination with the Owner. Some such connections may have to be made during off-peak hours (late night, early morning, or weekend hours). The Contractor shall give a minimum of 72 hours' notice to the Owner when tie-ins with the existing plant utilities are required.

For weekend work, CONTRACTOR shall submit a written request to the CITY by the preceding Wednesday. A separate request is required for each week that the CONTRACTOR wished to work on a weekend. For evening and holiday work, CONTRACTOR shall submit a written request to the CITY 3 days in advance. The CITY will provide inspection services for all overtime work request and the CONTRACTOR shall pay for inspection services, no exceptions.

Similarly, holiday and other overtime work shall be requested a minimum of 36- hours in advance and CITY will provide inspection for all overtime.

Exceptions to the hours and days of the week for work and other related limitations are allowed only for tie-ins during low flow periods / early morning hours, coatings that need to be applied during lower temperature times of the day and whenever the Documents specifically define that work shall be completed outside of the limitations for "normal" work hours, days, etc. Inspection for tie-ins during low flow/early morning and specialty coating application performed during nighttime will not be cause for extra inspection costs unless such work is remedial in nature as a result of defective work.

9.8 Counterparts. This contract may be signed in one or more counterparts, each of which when executed shall be deemed an original and together shall constitute one and the same instrument.

9.9 Notices. Whenever any party is required to give or deliver any notice to any other party, or desires to do so, such notices shall be sent via certified mail or hand delivery to:

FOR CITY:

Hernan M. Organvidez, Acting City Manager
City of Doral

8401 NW 53rd Terrace
Doral, Florida 33166

WITH COPY TO: Luis Figueredo, Esq.
City Attorney
City of Doral
8401 NW 53rd Terrace
Doral, Florida 33166

FOR CONTRACTOR:

_____

_____

_____

_____

9.10 WAIVER OF JURY TRIAL AND VENUE. The CITY and CONTRACTOR knowingly, irrevocably, voluntarily, and intentionally waive any right either may have to a trial by jury in State and or Federal court proceedings in respect to any action, proceeding, lawsuit or counterclaim based upon the Contract, arising out of, under, or in connection with the Work, or any course of conduct, course of dealing, statements or actions or inactions of any party. The venue for any lawsuit arising out of this Contract shall be in Miami-Dade County, Florida.

9.11 Attorneys' Fees. If either the CITY or CONTRACTOR is required to enforce the terms of the Contract by court proceedings or otherwise, whether or not formal legal action is required, the prevailing party shall be entitled to recover from the other party all such costs and expenses, including, but not limited to, court costs, and reasonable attorneys**'** fees at the trial and appellate level.

9.12 Amendments. This Contract may only be amended by the prior written approval of the parties or by execution of a Change Order in the form attached hereto as Exhibit "B".

IN WITNESS WHEREOF, the parties hereto have made and executed this Contract on the respective dates under each signature: THE CITY OF DORAL, FLORIDA, signing by and through its City Manager, authorized to execute same by Council action on the _____ day of _____, 20____, and by _____ _____(*CONTRACTOR*), signing by and through its _____ _____, duly authorized to execute same.

WITNESS

By:_____
(*Signature and Corporate Seal*)

CONTRACTOR

_____
(*CONTRACTOR*)

(*Print Name and Title*)	(*Signature*)
	(*Print Name and Title*)

_____ day of _____, 20___.

ATTEST	CITY OF DORAL
Connie Diaz, City Clerk	Hernan M. Organvidez, Acting City Manager

APPROVED AS TO FORM AND LEGALITY FOR THE USE
AND BENEFIT OF THE CITY OF DORAL ONLY:

Luis Figueredo, Esq., City Attorney

(*) In the event that the CONTRACTOR is a corporation, there shall be attached to each counterpart a certified copy of a resolution of the board of the corporation, authorizing the officer who signs the contract to do so in its behalf.

SECTION 00410 – NOTICE OF AWARD

To: _____

_____

_____

PROJECT DESCRIPTION: City of Doral "***Doral Boulevard Median Landscaping Improvements Phase II, ITB No. 2022-05"*** in accordance with Contract Documents as prepared by the City and The City has considered the Bid submitted by you for the above-described WORK in response to its Advertisement for Bid and Instruction to BIDDERS.

You are hereby notified that your Bid has been accepted for the City of Doral "***ITB No. 2022-05 - Doral Boulevard Median Landscaping Improvements Phase II",*** in a not to exceed amount of $_____

$_____

You are required by the instruction to BIDDERs to execute the Agreement and furnish the required CONTRACTOR's Performance Bond, Payment Bond, and Certificated of Insurance within ten (10) days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said Bonds and Insurance within ten (10) days from the date of this Notice, said City will be entitled to, revoke the award, and retain the Bid Security.

By: _____

Title: Acting City Manager

Dated this _____ day of _____, 20_____.

ACCEPTANCE OF NOTICE OF AWARD

Receipt of the above Notice of Award is hereby acknowledged by

_____

this the _____ day of _____, 20_____

By: _____

Title: _____

You are required to return an acknowledged copy of this Notice of Award to the City.

END OF SECTION

SECTION 00520 – PRECONSTRUCTION CONFERENCE

A. After the award of Contract and prior to the issuance of the "Notice to Proceed", a preconstruction conference will be held with representatives from the CONTRACTOR, CEI Team, Engineering Team, City of Doral, various utility companies, and other stakeholders, for the purpose of coordinating the Work. The City will discuss requirements of such matters as project supervision and inspections, progress schedules and reports, Contract Change Orders, insurance, safety, and other items pertinent to the Project. The time and place of the meeting shall be set by the City's project manager.

B. In some cases, the preconstruction conference may be held after the start work date stated in the written "Notice to Proceed". This may be due to difficulty with coordination of all parties concerned, or other similar reasons.

C. Such delays in holding the preconstruction meeting shall not relieve the CONTRACTOR of any responsibilities hereunder and will not be an acceptable reason for him to request additional work completion time beyond that provided since he will be able to begin obtaining permits, mobilizing his equipment and forces, preparing submittals, ordering materials, performing minor work, or other work if approved by the Engineer, during the interim period.

D. Prior to the preconstruction conference, the CONTRACTOR shall prepare the construction schedule and provide copies of the same to others in attendance.

E. The construction schedule shall include the place of beginning, the proposed order of progression, together with the estimated times for beginning and completing the various items of work. In addition, the CONTRACTOR shall prepare on electronic media, a critical path method (CPM) with emphasis made to "construction time and completion", Early/Late Start, Early/Late Finish, and clearly present Float Time as associated with activity and project duration with no activity duration longer than 4 calendar weeks unless approved by the Engineer.

F. The City shall discuss requirements of such matters as description of project, Contract important dates, project contact information, permitting, site and location access, utility coordination, maintenance of traffic (MOT), review of plans and special requirements, testing requirements, erosion control, project supervision and inspections, progress schedules and reports, Contract Change Orders, insurance, safety, special provisions, warranty, and other items pertinent to the Project.

G. All parties to this conference shall be prepared to discuss any problems anticipated with the execution of the Work under this Contract.

H. CONTRACTOR will be presented with a link to the copy of the preconstruction power point and a hard copy for his/her execution.

I. Submittals:

a. The following submittals will be required from the CONTRACTOR at Preconstruction Conference

i. Construction Schedule
ii. Pre-Construction photos and video
iii. Chain of Authority letter
iv. Hurricane Preparedness Plan (Site Specific)
v. Emergency Contact Information letter
vi. Competent Person Information letter
vii. Labor Burden Declaration letter (Exhibit K) from CPA

SECTION 00550 – NOTICE TO PROCEED

To: _____ Date: _____

_____

_____

PROJECT DESCRIPTION: "***Doral Boulevard Median Landscaping Improvements Phase II, ITB No. 2022-05",*** in accordance with Contract Documents as prepared by the City of Doral.

Site Number/Name: _____

Site Location: _____

You are hereby notified to commence all the work that conforms to the scope of work in accordance with the Contract Agreement dated _____. This work is to be completed in _____ calendar days, on or before _____, 2022 with both parties being in total and full agreement or the CONTRACTOR shall be subject to the liquidated damages clauses of the Agreement. The cost to perform the scope of work in accordance with the Agreement shall not exceed $_____.

City of Doral

By: _____

Hernan M. Organvidez

Title: Acting City Manager

ACCEPTANCE OF NOTICE TO PROCEED

Receipt of the above NOTICE TO PROCEED is hereby acknowledge by _____,

This _____ day of _____, 20_____.

By: _____

Title: _____

END OF SECTION

SECTION 00600 - BONDS AND CERTIFICATES

SECTION 00612 - FORM OF PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That, pursuant to the requirements of Florida Statute 255.05, we, as Principal, hereinafter called CONTRACTOR, and _____, as Surety, are bound to the City of Doral, Florida as Obligee, hereinafter called City, in the amount of Dollars ($) for the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, CONTRACTOR has by written agreement entered into a Contract, ITB No. 2022-05, awarded the _____day of _____, 20__, with the City of Doral for "***Doral Boulevard Median Landscaping Improvements Phase II, ITB No.2022-05"*** in accordance with specifications prepared by the City of Doral which Contract is by reference made a part hereof, and is hereafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if the CONTRACTOR:

1. Indemnifies and pay Obligee all losses, damages (including, but not limited to, damages for delay (specifically, liquidated damages as per section 00710 – General Conditions of the ITB and section 3.4 of the Construction Contract) and actual damages caused or arising out of the acts, omissions or negligence of CONTRACTOR), expenses, costs, and attorney's fees including attorney's fees incurred in appellate proceedings, that Obligee sustain because of default by CONTRACTOR under the Contract; and

2. Promptly makes payments to all claimants as defined by Florida Statute 255.05(1) supplying CONTRACTOR with all labor, materials and supplies used directly or indirectly by CONTRACTOR in the prosecution of the Work provided for in the Contract, then this obligation shall be void; otherwise, it shall remain in full force and effect subject, however, to the following conditions:

   2.1 A claimant, except a laborer, who is not in privity with the CONTRACTOR and who has not received payment for their labor, materials, or supplies shall, within forty-five (45) days after beginning to furnish labor, materials, or supplies for the prosecution of the Work, furnish to the CONTRACTOR a notice that they intend to look to the Bond for protection.

   2.2 A claimant who is not in privity with the CONTRACTOR and who has not received payment for their labor, materials, or supplies shall, within ninety (90) days after performance of the labor, or after complete delivery of the materials or supplies, deliver to the CONTRACTOR and to the Surety, written notice of the performance of the labor or delivery of the materials or supplies and of the non-payment.

   2.3 No action for the labor, materials, or supplies may be instituted against CONTRACTOR or the Surety unless the notices stated under the preceding paragraphs 2.1 and 2.2 have been given.

2.4 Any action under this Bond must be instituted in accordance with the Notice and Time Limitations provisions prescribed in Section 255.05(2), Florida Statutes.

The Surety hereby waives notice of and agrees that any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or the changes do not affect the Surety's obligation under this Bond.

Signed and sealed this _____ day of _____, 20__.

WITNESS: _____

_____

By: _____

(Signature and Title)

(CORPORATE SEAL)

_____

(Type Name and Title signed above)

WITNESS: _____

(Name of Corporation)

_____

Secretary

By: _____

(Type Name and Title signed above)

IN THE PRESENCE OF:

INSURANCE COMPANY:

By: _____

*Agent and Attorney-in-Fact

Address:_____

(Street) _____

(City/State/Zip Code)_____

Telephone No.: (_____)_____

* (Power of Attorney must be attached)

State of _____

County of _____

On this, the _____day of _____, 2022, before me, the undersigned Notary Public of the State of , the foregoing instrument was acknowledged by (name of corporate officer), (title), of (name of Corporation), a (state of corporation) corporation, on behalf of the corporation.

WITNESS my hand

and official seal

_____

Notary Public, State of

_____

Printed, typed or stamped name of Notary Public exactly as commissioned

O Personally known to me, or

O Produced identification: _____

(type of identification produced)

O Did take an oath, or

O Did not take an oath

SECTION 00614 - FORM OF PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That, pursuant to the requirements of Florida Statute 255.05, we, as Principal, hereinafter called CONTRACTOR, and _____, as Surety, are bound to the City of Doral, Florida, as Obligee, hereinafter called City, in the amount of Dollars ($_____) for the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, CONTRACTOR has by written agreement entered into a Contract, **ITB No. 2022-05,** awarded the day of, 20__, with City of Doral for "***Doral Boulevard Median Landscaping Improvements Phase II"*** in accordance with drawings (plans) and specifications which Contract is by reference made a part hereof, and is hereafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if the CONTRACTOR:

1. Fully performs the Contract between the CONTRACTOR and the City for: "***Doral Boulevard Median Landscaping Improvements Phase II"*** as scheduled after the date of Contract commencement as specified in the Notice to Proceed and in the manner prescribed in the Contract; and bid specifications.

2. Indemnifies and pay Obligee all losses, damages (including, but not limited to, damages for delay (specifically, liquidated damages as per section 00710 – General Conditions of the ITB and section 3.4 of the Construction Contract) and actual damages caused or arising out of the acts, omissions or negligence of CONTRACTOR), expenses, costs, and attorney's fees including attorney's fees incurred in appellate proceedings, that Obligee sustain because of default by CONTRACTOR under the Contract; and

3. Upon notification by the City of Doral, corrects any and all defective or faulty Work or materials which appear within ONE (1) YEAR.

4. Performs the guarantee of all Work and materials furnished under the Contract for the time specified in the Contract, then this Bond is void, otherwise it remains in full force.

Whenever CONTRACTOR shall be, and declared by City to be, in default under the Contract, the City having performed their obligations thereunder, the Surety may promptly remedy the default, or shall promptly:

4.1 Complete the Contract in accordance with its terms and conditions; or

4.2 Obtain a Bid or Bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the best, lowest, qualified, responsible and responsive BIDDER, or, if the City elects, upon determination by the City, and Surety jointly of the best, lowest, qualified, responsible and responsive

BIDDER, arrange for a Contract between such BIDDER and City, and make available as Work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract Price." as used in this paragraph, shall mean the total amount payable by City of Doral to CONTRACTOR under the Contract and any amendments thereto, less the amount properly paid by City of Doral to CONTRACTOR.

No right of action shall accrue on this Bond to or for the use of any person or Corporation other than the City named herein.

The Surety hereby waives notice of and agrees that any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or the changes do not affect Surety's obligation under this Bond.

Signed and sealed this day of, 20__.

WITNESSES: _____

(Name of Corporation) _____

By: _____ _____

Secretary (Signature and Title)

(CORPORATE SEAL)

_____

(Type Name & Title signed above)

IN THE PRESENCE OF:

INSURANCE COMPANY: _____

_____

By:

*(Agent and Attorney-in-Fact)

_____

Address:

(Street)

_____

(City/State/Zip Code)

Telephone No.: (_____)_____

* (Power of Attorney must be attached)

State of_____

County of_____

On this, the _____ day of _____, 20__, before me, the undersigned

Notary Public of the State of, the foregoing instrument was acknowledged by (name of Corporate officer), _____(title), of (name of Corporation), a (state of corporation) corporation, on behalf of the corporation.

WITNESS my hand

and official seal

_____

_____

Printed, typed or stamped name of Notary Public

exactly as commissioned

Notary Public, State of _____

O Personally known to me, or

O Produced identification:

_____

(type of identification produced)

O Did take an oath, or

O Did not take an oath

_____ Bonded by: _____

SECTION 00710 – GENERAL CONDITIONS

ARTICLE I – DEFINITIONS

Wherever used in these General Conditions or in the other Contract Documents, the following terms shall have the meaning indicated which shall be applicable to both the singular and plural thereof:

Acceptance: By the CITY of the Work as being fully complete in accordance with the Contract Documents subject to waiver of claims.

Agreement: The written Agreement between the CITY and the CONTRACTOR covering the Work to be performed, which includes the Contract Documents.

Addenda: Written or graphic instruments issued prior to the Bid Opening which modify or interpret the Contract Documents, Drawings and Specifications, by addition, deletions, clarifications or corrections.

Application for Payment: The form furnished by the CITY which is to be used by the CONTRACTOR in requesting progress payments.

Approved: Means approved by the CITY.

Bid: The offer or proposal of the BIDDER submitted on the prescribed form setting forth the prices for the Work to be performed.

BIDDER: Any person, firm or corporation submitting a Bid for Work.

Bonds: Bid, Performance and Payment Bonds and other instruments of security, furnished by the CONTRACTOR and their surety in accordance with the Contract Documents and in accordance with the law of the State of Florida.

Change Order: A written order to the CONTRACTOR signed by the CITY authorizing an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time issued after execution of the Agreement.

CITY: City of Doral, 8401 NW 53rd Terrace Doral, Florida 33166.

Contract Documents: Contract Documents shall include Instruction to BIDDERS, CONTRACTOR's Bid, the Bonds, the Notice of Award, these General Conditions, Special Conditions, the Technical Specifications, Drawings and Modifications, Notice to Proceed, Invitation to Bid, Insurance Certificates, Change Orders and Acknowledgement of Conformance with the City of Doral.

Contract Price: The total moneys payable to the CONTRACTOR under the Contract Documents.
Contract Time: The number of calendar days stated in the Agreement for the completion of the Work.

Contracting Officer: The individual who is authorized to sign the Contract Documents on behalf of the City's governing body.

CONTRACTOR: The person, firm of corporation with whom the CITY has executed the Agreement.

CONSULTANT: The person, firm or corporation that is an authorized representative of the City of Doral.

Day: A calendar day of twenty-four (24) hours measured from midnight to the next midnight.

Drawings: The drawings which show the character and scope of the Work to be performed and which have been prepared of approved by the CONSULTANT and are referred to in the Contract Documents.

Field Order: A written order issued by the CITY which clarified or interprets the Contract Documents in accordance with Paragraph 9.2 or orders minor changes in the Work in accordance with Paragraph 10.2.

Modifications: (a) A written amendment of the Contract Documents signed by both parties, (b) a Change Order, (c) a written clarification or interpretation if issued by the CITY in accordance with Paragraph 9.2 or (d) a written order for minor change or alteration in the Work issued by the CITY pursuant to Paragraph 10.2. A modification may only be issued after execution of the Agreement.

Notice of Award: A written notice given by the CITY to the CONTRACTOR fixing the date on which the Contract Time will commence to run and on which the CONTRACTOR shall start to perform their obligations under the Contract Documents.

Project: The entire Project to be performed as provided in the Contract Documents.

Construction Observer: An authorized representative of the CITY assigned to observe the Work performed and materials furnished by the CONTRACTOR or such other person as may be appointed by the CITY as his representative. The CNTRACTOR shall be notified in writing of the identity of this representative.

Shop Drawings: All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the CONTRACTOR, a Subcontractor, manufacturer, supplier, or distributor, and which illustrate the equipment, material or some portion of the work and as required by the Contracts Documents. See Specification Section 01340.

Samples: Physical examples which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.
Specifications: Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work.

Subcontractor: An individual, firm or corporation having a direct contract with the CONTRACTOR

or with any other Subcontractor for the performance of a part of the Work at the site.

Substantial Completion: The date as certified by the CITY when the construction of the Project or a certified part thereof is sufficiently completed, in accordance with the Contract Documents, so that the Project or specified part can be utilized for the purposes which it was intended; or if there be no such certification, the date when final payment is due.

Supplier: Any person or organization who supplies materials or equipment for the Work, including that fabricated to a special design, but who does not perform labor at the site.

Surety: The corporate body which is bound with the CONTRACTOR and which engages to be responsible for the CONTRACTOR and their acceptance performance of the Work.

Work: Any and all obligations, duties and responsibilities necessary to the successful completion of the Project assigned to or undertaken by the CONTRACTOR under the Contract Documents, including all labor, materials, equipment and other incidentals, and the furnishing thereof.

Written Notice: The term "Notice" as used herein shall mean and include all written notices, demands, instructions, claims, approvals and disapprovals required to obtain compliance with Contract requirements. Written notice shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or to an authorized representative or such individual, firm, or corporation, or if delivered at or sent by registered mail to the last business address known to them who gives the notice. Unless otherwise stated in writing, any notice to or demand upon the CITY under this Contract shall be delivered to the CITY.

ARTICLE 2 – PRELIMINARY MATTERS

Award:

2.1 The CITY reserves the right to reject any and all Bids at its sole discretion. Bids shall be awarded by the CITY to the lowest responsive and responsible BIDDER; after the CITY performs all necessary searches, inquiries, exploration, and analysis of the bids. No Notice of Award will be given until the CITY has conducted any investigation(s) as they deem necessary to establish the BIDDER's capability to perform the services as described in this CONTRACT, as substantiated by the required professional experience, client references, technical knowledge and qualifications; and sufficient labor and equipment to comply with the CITY's established standards, as well as the financial capability of the BIDDER to perform the Work in accordance with the Contract Documents to the satisfaction of the CITY within the time prescribed. The CITY reserves the right to reject the Bid of any BIDDER on the basis of these queries and investigations and who does not meet the CITY's satisfaction, even though the firm may possibly be the apparent lowest bidder. In analyzing Bids, the CITY will also take into consideration client references, past work experience and work product, proven ability to satisfactorily perform the manufacturing and installation of roadway directional signage to CITY standards; and alternate and unit prices if requested by the Bid form. If the Contract is awarded, the CITY will issue the Notice of Award and give the successful BIDDER a Contract for execution within ninety (90) days after opening of Bids. The CITY specifically reserves the right to award the Contract to a bidder who is not necessarily the lowest bidder on the basis of the results of these queries and investigation(s).

Execution of Agreement:

2.2 At least three counterparts of the Agreement, the Performance and Payment Bond, the Certificates of Insurance and such other Documents as required by the Contract Documents shall be executed and delivered by the CONTRACTOR to the CITY within ten (10) calendar days of receipt of the Notice of Award.

Forfeiture of Bid Security/Performance and Payment Bond:

2.3 Within ten (10) calendar days of being notified of the Award, the CONTRACTOR shall furnish a Performance Bond and a Payment Bond containing all the provisions of the Performance Bond and Payment Bond attached.

2.3.1 Each Bond shall be in the amount of one hundred percent (100%) of the Contract Price guaranteeing to the City the completion and performance of the Work covered in such Contract as well as full payment of all suppliers, material man, laborers, of Subcontractors employed pursuant to this Project. Each Bond shall be with a Surety company meeting the qualifications of Sections 2.3.4, 2.3.5, and 2.3.6.

2.3.2 Each Bond shall continue in effect for one and one half (1 ½) years after final completion and acceptance of the Work with the liability equal to one hundred percent (100%) of the Contract Sum. The Performance Bond shall be conditioned that the CONTRACTOR will, upon notification by the CITY, correct any defective or faulty Work or materials which appear within one and a one half (1 ½) years after final completion of the Contract.

2.3.3 Pursuant to the requirements of Section 255.05(1), Florida Statutes, the CONTRACTOR shall ensure that the Bond(s) referenced above shall be recorded in the public records of Dade County and Provide the CITY with evidence of such recording.

2.3.4 Each Bond must be executed by a surety company authorized to do business in the State of Florida as a 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 (5) years.

2.3.5 The surety company shall hold a current certificate of authority as acceptable surety on federal bonds in accordance with the United States Department of Treasury Circular 570, current Revisions.

2.3.6 The CITY will accept a surety bond from a company with a rating of A- or better.

2.3.7 Failure of the successful BIDDER to execute and deliver the Agreement and deliver the required bonds and Insurance Certificates as stipulated in paragraph 2.2 shall be cause for the CITY to annul the Notice of Award and declare the Bid and any security therefore forfeited.

CONTRACTOR's Pre-Start Representation:

2.4 The CONTRACTOR represents that they have familiarized themselves with and assumes full responsibility for having familiarized themselves with the nature and extent of the Contract

Documents, Work, locality, and with all local conditions and federal, State and local laws, ordinances, rules and regulations that may in any manner affect performance of the Work and represents that they have correlated their study and observations with the requirements of the Contract Documents. The CONTRACTOR also represents that they have studied all surveys and investigations reports of subsurface and latent physical conditions referred to in the specifications and made such additional surveys and investigations as they deem necessary for the performance of the Work in the Contract Documents and that they have correlated the results of all such data with the requirements of the Contract Documents.

Commencement of Contract Time:

2.5 The Contract Time will start on the date the Agreement is executed and will continue to run consecutively for the period of ***one hundred and fifty (150) calendar days*** after date specified in Notice to Proceed. Project shall be completed and ready for final payment in accordance with the Contract Documents within ***one hundred and fifty (150) calendar days*** after the date specified in the Notice to Proceed (**"**Final Completion**"**). No extension of time will be given unless stated in writing.

Starting the Project:

2.6 The CONTRACTOR shall start to perform their obligations under the Contract Documents on the date stipulated in the Notice to Proceed (NTP) for each site. No Work shall be done at the site prior to the date on which the NTP commences to run, except with the written consent of the CITY. No work will be done on Saturday without written consent of the CITY or after the end of a normal business day unless prior approval is given by the CITY in writing. No work shall be permitted on Sundays or on national holidays.

Before Starting Contract:

2.7 Before undertaking each part of the Work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements which shall be approximate. The CONTRACTOR shall field verify utility locations and notify the CITY of any conflicts so that the conflict is avoided prior to beginning of construction. Any modifications to the proposed work, once construction has begun, will be at no cost to the CITY.

Liquidated Damages:

2.8 Upon failure of the CONTRACTOR to complete the Work within the time specified for completion, (plus approved extensions if any) the CONTRACTOR shall pay to the CITY the sum of **ONE THOUSAND SIX HUNDRED AND SIXTY-FIVE DOLLARS AND 00/100 ($1,665.00)** for each calendar day that the completion of the Work is delayed beyond the time specified in the Contract for completion, as fixed and agreed liquidated damages and not as a penalty. Liquidated damages are hereby fixed and agreed upon between the parties, recognizing the impossibility of precisely ascertaining the amount of damages that will be sustained by the CITY as a consequence of such delay and both parties desiring to obviate any question of dispute concerning the amount of said damages and the cost and effect of the failure of the CONTRACTOR to complete the Contract on time. Regardless of whether or not a single Contract is involved, the above-stated liquidated damages shall apply separately to each portion of the Work for which a time of completion is given. The CITY shall have the right to deduct from and retain out moneys which may be then due, or which may become due and payable to the CONTRACTOR, the amount of such liquidated damages, the CONTRACTOR shall pay in full such liquidated damages.

Interference with Existing Utilities

2.9 Attention of the CONTRACTOR is specifically directed to the need for careful control of all aspect of his work to prevent damage to cables, ducts, water mains, sewers, fire mains, telephone cables, fuel lines, radar cables, and any other existing overhead or underground utilities and structures.

2.10 Before commencing work in any given area, the CONTRACTOR shall contact utility companies to identify any potential conflicts. Further, the CONTRACTOR shall also carefully review the Plans, survey and search the site for utility locations, and determine possible utility conflicts. All known above and underground utilities, including, but not limited to , electrical, telephone, communications, lighting cables, fuel lines, sewer, drainage and water pipes, and other existing structures are shown on the Plans for reference purposes only, but no guarantee is expressed or implied that the information is accurate. It shall be the sole responsibility of the CONTRACTOR to ascertain and/or verify the location of any and all such utilities or structures using magnetic and electronic detector and by hand excavation or other appropriate measures before performing any work that could result in damage to such existing utilities or structures. The CONTRACTOR shall make a thorough search of the particular location for underground utilities or structures whether or not shown on the drawings, before excavation work is commenced in any particular location. To this end of the CONTRACTOR shall provide and maintain throughout the term of the Contract, electronic and magnetic detecting devices capable of locating underground utilities or structures. The CONTRACTOR shall, after locating primary and critical existing utilities, mark their location with indelible material or other means satisfactory to the Field Representative and maintain above ground physical identification during the work.

2.11 In the event of damage to, or accidental disruption of utilities or other facilities as a result of the CONTRACTOR's operations, the CONTRACTOR shall take immediate steps to repair or replace all damage and to restore all services. Further, the CONTRACTOR shall engage any additional outside services which may be necessary to prosecute repairs on a continuous "around the clock" basis until services are restored. The CONTRACTOR shall also provide and operate any supplemental temporary services to maintain uninterrupted use of the facilities. All costs involved in making repairs and restoring disrupted service resulting from the CONTRACTOR's work shall be borne by the CONTRACTOR and the CONTRACTOR shall be fully responsible for any and all claims resulting from the damage.

Protection of Existing Facilities, Vegetation, Structures, Utilities and Improvements

2.12 The CONTRACTOR shall preserve and protect existing vegetation such as trees, shrubs, and grass on or adjacent to the work site which are not indicated to be removed and which do not unreasonably interfere with the construction work and he shall replace in kind the vegetation, shrubs and grass damaged by him at his own expense.

2.13 The CONTRACTOR shall protect from damage all utilities, foundations, walls or other parts of adjacent, abutting or overhead buildings, railroads, bridges, structures, surface and subsurface structures at or near the site of the Work and shall repair or restore any damage to such facilities, except utilities, resulting from failure to comply with the requirements of the Contract or the failure to exercise reasonable care in the performance of the Work. If, after receipt of notification from the Architect/Engineer, the CONTRACTOR fails to or refuses to repair any such damage promptly, the

Owner may have the necessary Work performed and charge the cost thereof to the CONTRACTOR.

2.14 At points where the CONTRACTOR's operations are adjacent to utility facilities, damage to which might result in expense, loss, disruption of service or other undue inconvenience to the public or to Owners, Work shall not be commenced until all arrangements necessary for the protection thereof have been made by the CONTRACTOR. The CONTRACTOR shall be solely and directly responsible to the Owners and operators of such utilities for any damage, injury, expense, loss, inconvenience, or delay, caused by the CONTRACTOR's operations.

2.14.1 Where public utilities or their appurtenances interfere with permanent construction, unless otherwise specified, work involved in permanently relocating or otherwise altering such public utilities and their appurtenances will not be a part of this Contract but will be done by utility Owners at no cost to the CONTRACTOR. If the CONTRACTOR wishes to have utilities temporarily relocated, he shall make necessary arrangements with utility Owners and reimburse them at his own expense for cost of the Work. The CONTRACTOR shall keep the Architect/Engineer advised of temporary relocation arrangements.

2.14.2 The CONTRACTOR shall not repair or attempt to repair utility damage but shall immediately contact the utility Owner. The CONTRACTOR shall obtain the name, address and telephone number of each utility company that the work will affect and the person in such utility company to contact. He shall submit to the Architect/Engineer said names, addresses and telephone numbers.

2.15 The CONTRACTOR shall comply with the latest version of the Florida Building Code or the Code under which the Contract Documents were approved, whichever is applicable at the time of the Work is performed.

2.16 In order to safeguard the Owners and tenants of abutting property and at the same time prevent unjust or fraudulent claims against the CONTRACTOR the Government, State, the Owner and the Architect/Engineer in respect thereto, the CONTRACTOR shall cause a detailed examination of abutting property to be made before construction is begun. The Owner or tenant of each parcel or structure or his or their duly authorized representative will be invited to be present during the examination by a notice in writing delivered by the CONTRACTOR to a person in charge of the premises or structures, or by the mailing of the notice to the Owner at the premises. The Architect/Engineer will attend while the CONTRACTOR makes the detailed examination. A complete record including photographs of the existing conditions of each parcel or structure shall be made in triplicate, singed by the CONTRACTOR, Owner and the Architect/Engineer and one copy will be delivered to the Owner, one to the Architect/Engineer and one copy will be retained by the CONTRACTOR. At such time as the Architect/Engineer may direct, or upon the filling of the verified statement by the Owner, tenant, lessee, operator or occupant of the building structure, and in any event, upon the completion of any work that in the opinion on the Architect/Engineer might affect the abutting property, the CONTRACTOR will make another detailed examination of such abutting property. A complete record of the then existing conditions of said property will be made in triplicate, signed by the CONTRACTOR and one copy will be delivered to the Owner, one to the Architect/Engineer and one will be retained by the CONTRACTOR. In any action, which may be brought by any Owner, tenant, lessee, operator or occupant of abutting property to recover under the provisions of this article or any paragraph hereof, the record of the existing conditions of each parcel will be prima facie evidence of the conditions

thereof at the time of the making of the examination.

2.17 The CONTRACTOR shall maintain access to fire hydrants and fire alarm boxes throughout the prosecution of the Work. Hydrants, alarm boxes and standpipe connections shall be kept clear and visible at all times unless approved otherwise. If visibility cannot be maintained, the CONTRACTOR shall provide clearly visible signs showing the location of the fire hydrant, fire alarm box or standpipe connection. The CONTRACTOR shall promptly notify the authority having jurisdiction of any impairment to any fire systems.

2.18 RESOLUTION OF PROTESTED SOLICITATIONS AND AWARDS.

Ordinance No. 2008-04, Sec. 2-338 - Formal

2.18.1 Right to protest on formal solicitations. The following procedures shall be used for resolution of protested formal solicitations and awards:

A. Protest of solicitations. Any actual or prospective bidder or offeror who perceives itself aggrieved in connection with the solicitation of a contract may file a written protest with the City Clerk within five business days prior to the date set for opening of bids or receipt of proposals.

B. Protest of award. Any actual bidder or offeror who perceives itself aggrieved in connection with the recommended award of a contract may file a written protest with the city clerk. The protest shall be filed within three business days after such aggrieved person knows or should have known of the facts giving rise thereto.

2.18.2 Authority to resolve protests. The chief procurement officer, after consultation with the city attorney, shall issue a written decision within ten days after receipt of the protest. Said decision shall be sent to the city manager with a copy to the protesting party. The city manager may then either resolve the protest or reject all proposals. The decision shall be sent to the city council. Any aggrieved person may appeal the decision of the city manager to award a solicitation or bid within five days of issuance of a written decision. Upon appeal of the decision of the city manager, the decision shall be submitted to the city council for approval or disapproval thereof.

2.18.3 Stay of procurements during protests. Upon receipt of a written protest filed pursuant to the requirements of this section, the city shall not proceed further with the solicitation or with the award of the contract until the protest is resolved by the city as provided in subsection (b) of this section, unless the city manager, after consultation with the head of the using department and city attorney, makes a written determination that the solicitation process or the contract award must be continued without delay in order to protect substantial interests of the city.

2.18.4 Filing fee. Within three business days after filing the written protest, the protestor must submit to the city clerk a filing fee in the form of a money order or cashier's check, payable to the city, in an amount equal to one percent of the amount of the bid or proposed contract, or

$1,000.00, whichever is less. The filing fee shall guarantee the payment of all costs which may be adjudged against the protestor in any administrative or court proceeding. If the protest is denied, the filing fee shall be forfeited to the city in lieu of payment of costs for the administrative proceedings. If the protest is upheld by the city, the filing fee shall be refunded to the protestor.

2.18.5 Entitlement to costs. In addition to any other relief, when a protest is sustained and the protesting bidder or offeror should have been awarded the contract under the solicitation but is not, then the protesting bidder or offeror shall be entitled to the reasonable costs other than attorney's fees.

2.18.6 Compliance with filing requirements. Failure of a party to file the protest or submit the filing fee on a timely basis shall constitute a forfeiture of such party's right to file a protest pursuant to this section. The protesting party shall not be entitled to seek judicial relief without first having followed the procedures set forth in this section.

ARTICLE 3 – CORRELATION, INTERPRETATION, AND INTENT OF CONTRACT DOCUMENTS

3.1 It is the intent of the Specifications to describe a complete Project to be delivered in accordance with the Contract Documents. The Contract Documents comprise the entire Agreement between the CITY and the CONTRACTOR. They may be altered only by a Modification.

3.2 The Contract Documents are complementary; what is called for by one is as binding as if called for by all. If CONTRACTOR finds a conflict, error, or discrepancy in the Contract Documents, they shall call it to the City's attention in writing at once and before proceeding with the Work affected thereby; however, they shall not be liable to CITY for their failure to discover any conflict, error or discrepancy in the Specifications or Drawings. The various Contract Documents shall be given precedence in case of conflict, error, or discrepancy. **Refer to Article 8 Construction Contract.**

If the requirements of other Contract Documents are more stringent than those of the Supplemental General Conditions, the more stringent requirements shall apply.

3.3 The words "furnish" and "furnish and install", "install", and "provide" or words with similar meaning shall be interpreted, unless otherwise specifically stated, to mean "furnish and install complete in place and ready for service".

3.4 Miscellaneous items and accessories which are not specifically mentioned, but which are essential to produce a complete and properly operating installation, or usable structure or plant, providing the indicated function, shall be furnished, and installed without change in the Contract Price. Such miscellaneous items and accessories shall be of the same quality standards, including material, style, finish, strength, class, weight, and other applicable characteristics, as specified for the major component of which the miscellaneous item or accessory is an essential part, and shall be approved by the CITY before installation. The above requirement is not intended to include major components not covered by or inferable from the Drawings and Specifications.

3.5 The Work of all trades under this Contract shall be coordinated by the CONTRACTOR in such

manner as to obtain the best workmanship possible for the entire Project, and all components of the Work shall be installed or erected in accordance with the best practices of the particular trade.

ARTICLE 4 – AVAILABILITY OF LANDS SUBSURFACE CONDITIONS REFERENCE POINTS

Availability of Lands:

4.1 The CITY will furnish, as indicated in the Contract Documents, the lands upon which the Work is to be done, rights-of-way for access thereto, and such other lands which are designed for the use of the CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the CITY unless otherwise specified in the Contract Documents.

ARTICLE 5 – INSURANCE

5.1 The CONTRACTOR shall provide and maintain in force until all the Work to be performed under this Contract has been completed and accepted by City (or for such duration as is otherwise specified hereinafter), the insurance coverage set forth: in Exhibit A titled Insurance Requirements.

5.2 The CONTRACTOR agrees that if any part of the Work under the Contract is sublet, they will require the Subcontractor(s) to carry insurance as required, and that they will require the Subcontractor(s) to furnish to them insurance certificates similar to those required by the CITY in Section 5.1.

Cancellation and Re-Insurance:

5.3 If any insurance should be canceled or changed by the insurance company or should any insurance expire during the period of this contract, the CONTRACTOR shall be responsible for securing other acceptable insurance to provide the coverage specified in this section to maintain coverage during the life of this Contract.

5.4 All deductibles must be declared by the CONTRACTOR and must be approved by the CITY. At the option of the CITY, either the CONTRACTOR shall eliminate or reduce such deductible, or the CONTRACTOR shall procure a Bond, in a form satisfactory to the CITY, covering the same. The CONTRACTOR is responsible for any and all deductibles, if applicable, following a loss.

ARTICLE 6 – CONTRACTOR'S RESPONSIBILITIES

Concerning Subcontractors:

6.1 The CONTRACTOR will not employ any Subcontractor, against whom the CITY may have reasonable objection, nor will the CONTRACTOR be required to employ any Subcontractor who has been accepted by the CITY, unless the CITY determines that there is good cause for doing so.

6.2 The CONTRACTOR shall be fully responsible for all acts and omissions of their Subcontractors and of persons and organizations directly or indirectly employed by them and of persons and organizations for whose acts any of them may be liable to the same extent that they are responsible for the acts and omissions of persons directly employed by them. Nothing in the Contract Documents shall create any contractual relationship between CITY and any Subcontractor or other person or organization having a direct contract with CONTRACTOR, nor shall it create any obligation on the part of CITY to pay or to see to payment of any persons due any Subcontractor or other person or organization, except as may

otherwise be required by law. CITY may furnish to any Subcontractor or other person or organization, to the extent practicable, evidence of amounts paid to the CONTRACTOR on account of specified Work done in accordance with the schedule values.

6.3 The divisions and sections of the Specifications and the identifications of any Drawings shall not control the CONTRACTOR in dividing the Work among Subcontractors or delineating the Work performed by any specific trade.

6.4 The CONTRACTOR agrees to bind specifically every Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the CITY.

6.5.1 CONTRACTOR shall provide a list of each Subcontractor whom which they are in sub-contract with. Requested information as follows:

a) Subcontractor Firm name
b) Subcontractor address and contact information

6.5 All Work performed for the CONTRACTOR by a Subcontractor shall be pursuant to an appropriate agreement between the CONTRACTOR and the Subcontractor.

6.6 The CONTRACTOR shall be responsible for the coordination of the trades, Subcontractors, materials and men engaged upon their Work.

6.6.1 The CONTRACTOR shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind Subcontractors to the CONTRACTOR by the terms of these General Conditions and other Contract Documents insofar as applicable to the Work of Subcontractors, and give the CONTRACTOR the same power as regards to terminating any subcontract that the CITY may exercise over the CONTRACTOR under any provisions of the Contract Documents.

6.6.2 The CITY will not undertake to settle any differences between the CONTRACTOR and their Subcontractors or between Subcontractors.

6.6.3 If in the opinion of the CITY, any Subcontractor on the Project proves to be incompetent or otherwise unsatisfactory, they shall be promptly replaced by the CONTRACTOR if and when directed by the CITY in writing.

Laws and Regulations:

6.7 The CONTRACTOR will give all notices and comply with all laws, ordinances, rules and regulations applicable to the Work. If the CONTRACTOR observes that the Specifications or Drawings are at variance therewith, they will give the CITY prompt written notice thereof, and any necessary changes shall be adjusted by an appropriate modification. If the CONTRACTOR performs any Work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the CITY, they will bear all costs arising wherefrom; however, it shall not be their primary responsibility to make certain that the Drawings and Specifications are in accordance with such laws, ordinances, rules and regulations.

Taxes:

6.8 Cost of all applicable sales consumers, use, and other taxes for which the CONTRACTOR is liable under the Contract shall be included in the Contract Price stated by the CONTRACTOR.

Safety and Protection:

6.9 The CONTRACTOR will be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the **ROADWAY AND TRAFFIC DESIGN STANDARDS SERIES 600 TRAFFIC CONTROL THROUGH WORK ZONES** latest edition. They will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury or loss to:

6.9.1 All employees and other persons whom may be affected thereby; and

6.9.2 All the Work and all materials or equipment to be incorporated therein, whether in storage on or off the work area, and

6.9.3 Other property at the work area or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.

6.10 The CONTRACTOR will designate a OSHA Certified "Competent Person" at the site whose duty shall be the prevention of accidents.

6.10.1 A "Competent Person" is an individual, designated by the employer, who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to workers, and who is authorized to take prompt corrective measures to eliminate them. [29 CFR 1926.32(f)].

Under the Excavation standards, tasks performed by the competent person include:

- Classifying soil;
- Inspecting protective systems;
- Designing structural ramps;
- Monitoring water removal equipment; and
- Conducting site inspections.

In addition, the competent person shall be available to receive verbal instructions from CEI Team or City representatives regarding installation, adherence to City standards, plans, and Contract Documents as a front-line representative of the CONTRACTOR.

Additional site tasks performed by the competent person include:

- Weekly safety briefings
- Daily adherence to MOT set up and takedown
- Monitor resident and commercial stakeholder requests
- Concurrence with CEI Team's daily reports

Emergencies:

6.11 In emergencies affecting the safety of persons or the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the CITY, is obligated to act,

at their discretion, to prevent threatened damage, injury or loss. They will give the CITY prompt written notice of any significant changes in the Work or deviations from the Contract Documents caused thereby. If the CONTRACTOR believes that additional Work done by them in an emergency which arose from causes beyond their control entitles them to an increase in the Contract Price or an extension of the Contract Time, they may make a claim therefore as provided in articles 11 and 12.

6.12 The CONTRACTOR will also submit to the CITY for review, with such promptness as to cause no delay in Work, all samples and photographs required by the Contract Documents. All samples and photographs will have been checked by and stamped with the approval of the CONTRACTOR, identified clearly as to material, manufacturer, any pertinent catalog numbers and the use for which intended.

6.13 At the time of each submission, the CONTRACTOR will in writing call the CITY'S attention to any deviations that the Photographs or sample may have from the requirements of the Contract Documents.

6.14 The CITY will review with responsible promptness Photographs and Samples, but their review shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The CONTRACTOR will make any corrections required by the CITY and will return the required number of corrected copies of Photographs and resubmit new samples until the review is satisfactory to the CITY.

6.15 No Work requiring a Photograph or sample submission shall be commenced until the submission has been reviewed by the CITY. A copy of each Photograph and each approved sample shall be kept in good order by the CONTRACTOR at the site and shall be available to the CITY.

6.16 The CITY'S review of Photographs or samples shall not relieve the CONTRACTOR from their responsibility for any deviations from the requirements of the Contract Documents unless the CONTRACTOR has in writing called the CITY's attention to each deviation at the time of submission and the CITY has given written approval to the specific deviation, nor shall any review by the CITY relieve the CONTRACTOR from responsibility for supplying the plant material as specified.

Public Convenience and Safety:

6.17 The CONTRACTOR shall, at all times, conduct the Work in such a manner as to insure the least practicable obstruction to public travel. The convenience of the general public and of the residents along and adjacent to the area of Work shall be provided for in a satisfactory manner, consistent with the operation and local conditions. Proper Maintenance of Traffic (MOT) devices shall be placed immediately adjacent to the Work, in a conspicuous position, at such locations as traffic demands. The MOT shall be designed as outlined in the latest edition of **ROADWAY AND TRAFFIC DESIGN STANDARDS SERIES 600**. At any time that streets are required to be closed or blocked, the CONTRACTOR shall notify law enforcement agencies before the street is closed and again as soon as it is opened. Access to fire hydrants and other fire extinguishing equipment shall be provided and maintained at all times.

Indemnification:

6.18 In consideration of the separate sum of twenty-five dollars ($25.00) and other valuable consideration, the CONTRACTOR shall indemnify, defend and save harmless the CITY, its officers, agents and employees, from or on account of any injuries or damages, received or sustained by any person or

persons during or on account of any operations connected with the construction of this Project, or by or in consequence of any negligence by or on account of any act or omission of the said CONTRACTOR or his Subcontractor, agents, servants or employees. The CONTRACTOR will indemnify, defend and hold harmless the CITY and their agents or employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim damage, loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property including the loss of use resulting wherefrom and (b) is caused in whole or in part by any negligent act or omission of the CONTRACTOR, Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused by a party indemnified hereunder. In the event that a court of competent jurisdiction determines that Sec. 725.06 (2), F.S. is applicable to this Work, then in lieu of the above provisions of this section 6.18 the parties agree that CONTRACTOR shall indemnify, defend and hold harmless CITY, their officers and employees, to the fullest extent authorized by Sec. 725.06 (2) F.S., which statutory provisions shall be deemed to be incorporated herein by reference as if fully set forth herein.

6.19 In the event that any action or proceeding is brought against CITY by reason of any such claim or demand, CONTRACTOR, upon written notice from CITY shall defend such action or proceeding by counsel satisfactory to CITY. The indemnification provided above shall obligate CONTRACTOR to defend at its own expense or to provide for such defense, at CITY'S option, any and all claims of liability and all suits and actions of every name and description that may be brought against CITY, excluding only those which allege that the injuries arose out of the sole negligence of CITY, which may result from the operations and activities under this Contract whether the construction operations be performed by CONTRACTOR, its Subcontractors or by anyone directly or indirectly employed by either.

6.20 The obligations of the CONTRACTOR under Article 6 shall not extend to the liability of the CITY, their agents or employees arising out of (a) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications or (b) the giving of or the failure to give directions or instructions by the CITY, their agents or employees provided such giving of failure to give is the primary cause of injury or damage. These indemnification provisions shall survive the term of this Contract.

ARTICLE 7 – CITY'S RESPONSIBILITIES

7.1 The CITY will issue all communications to the CONTRACTOR.

7.1.1 The Field Representative and/or Architect/ Engineer will administer the Contract and the orders of the Owner are to be given through the Field Representative and/ or Architect/ Engineer. The Field Representative and/ or Architect/ Engineer shall determine the amount and quality of several kinds of work performed and materials furnished which are to be paid for under the Contract.

7.1.2 The Field Representative will observe the CONTRACTOR's work for compliance with the Contract Documents. Such observation Shall extend to all or any part of the work done and to the preparation, fabrication, or manufacture of the material to be used.

7.1.3 Upon discovery, the Field Representative shall call the CONTRACTOR's attention to the faulty workmanship or defective materials and shall reject work and materials not conforming to the requirements of the Contract Documents.

7.1.4 When Any work in progress or completed is not Contract Documents, the Field Representative order the CONTRACTOR to shut down that portion of the work affected until the affected work is corrected to the satisfaction of the Field Representative. The Field Representative shall confirm this later in writing as soon as practicable, detailing the reasons for the shutdown. Work performed in violation of the Field Representatives order to shut down will not be accepted or paid for.

7.1.5 The Field Representative is not authorized to revolt, alter, or waive any requirements of the contract. The Field Representative will negotiate and act on behalf of the Owner to the authorized limits of his authority as specified in the Contract Documents.

7.1.6 Whenever the CONTRACTOR intends to build, assemble or perform any portions of the work away from the site, the CONTRACTOR shall promptly notified the Field Representative of such intentions, including where and why no such work is to be performed, before such work starts. The CONTRACTOR shall also make arrangements for access thereto by the Field Representative and/or the Architect/ Engineer so that the aforementioned portions of the work may be inspected as needed.

7.1.7 The fact that the Field Representative has not made early discovery of materials furnished or work performed does not meet the requirements of the Contract Documents, shall not bar the Field Representative from subsequently rejecting said materials or work and does not relieve the CONTRACTOR of his responsibility to meet the requirements of the Contract Documents.

7.1.8 The Field Representative shall not act as a foreman or perform other duties for the CONTRACTOR, nor interfere with the management of the work by the CONTRACTOR.

7.1.9 The administration, observation of the work, and actions by the Field Representative, as herein provided, shall not be construed as undertaking supervisory control of the construction work or of means and the methods employed by the CONTRACTOR or his Subcontractors and shall not relieve the CONTRACTOR from any of his responsibilities or obligations under the contract; the CONTRACTOR shall not request or attempt to require the Field Representative to undertake such supervisor control or to administer, to supervise, to inspect, to assist, or to act in any manner so as to relieve the CONTRACTOR from such responsibilities or obligations.

7.1.10 The Field Representative shall decide all questions relating to the rights of different prime CONTRACTORS on the project or site.

7.1.11 All materials and each part or detail of the work shall be subject to observation by the Field Representative and/ or the Architect/ Engineer. The Architect/ Engineer and the Field Representative shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the CONTRACTOR as is required.

7.2 If the CONTRACTOR is notified by the Owner to correct defective or nonconforming work, and the CONTRACTOR fails to promptly proceed with corrective action in a reasonable time, the Owner may, upon written notice, accomplished the redesign, repair, rework or replacement of nonconforming work by the most expeditious means available and back charge the CONTRACTOR for the cost incurred. The cost of back charge work shall include all reasonable costs associated with the corrective action.

7.2.1 The Owner shall separately invoice or deduct from payments, otherwise due to the CONTRACTOR, the costs as provided herein. The Owner's right to back charge is in addition to any for all other rights and remedies provided in this contract, or by law. The performance of back to hard work, on behalf of the Owner, shall not relieve the CONTRACTOR of any of its responsibilities under this contract including but not limited to express or implied warranties, specified standards of quality, contractual liabilities and indemnification, and the Contract Time.

In cases of termination of employment of the CONTRACTOR, the CITY will appoint a CONTRACTOR, whose status under the Contract Documents shall be that of the former CONTRACTOR.

7.2.2 The CITY will furnish the data required of them under the Contract Documents promptly.

a) Unless otherwise specified or excluded elsewhere in the Contract Documents, the records of boring, test excavations and other subsurface investigations, if any, are offered as information only and solely for the convenience of the CONTRACTOR. The City of Doral does not warrant or guarantee either that said records are complete or that the said records will disclose the actual subsurface conditions. The interpretation of the record and the conclusions drawn there from as to the actual existence of surface conditions are the sole responsibility of the CONTRACTOR.

b) Any estimates of quantities of work or materials, based on set borings, test excavations and other subsurface investigations are not warranted by the Owner to indicate the true conditions or

distribution of quantities unless the CONTRACTOR is expressly directed to rely on such information to prepare and submit his Bid.

7.3 The CITY's duties in respect to providing lands and easements are set forth in Article 4.

ARTICLE 8 – CITY'S STATUS DURING CONSTRUCTION

Measurements of Quantities:

8.1 All Work completed under the Contract will be measured by the CITY according to the United States Standard Measures. All linear surface measurements will be made horizontally or vertically as required by the item measured.

Rejecting Defective Work:

8.2 The CITY will have authority to disapprove or reject Work which is "defective" (which term is hereinafter used to describe Work that is unsatisfactory, faulty or defective, or does not conform to the requirements of the Contract Documents or does not meet the requirements of any inspection, test or approval referred to in Special Condition, or has been damaged prior to final acceptance) at CONTRACTOR's expense.

Shop Drawings, Change Orders and Payments:

8.3 In connection with the CITY's responsibility as to Shop Drawings and samples, see Specification Section 01340.

8.4 In connection with the CITY'S responsibility for Change Orders, see Articles 9 and 10.

8.5 In connection with the CITY'S responsibilities in respect of Application of Payment, etc., see Article 11.

Decisions on Disagreements:

8.6 The CITY will be the initial interpreter of the Construction Drawings and Technical Specifications.

Limitations on Consultant's Responsibilities:

8.7 The CITY will not be responsible for the construction means, methods, techniques, sequences or procedures, or the safety precautions and programs incident thereto.

8.8 The CITY will not be responsible for the acts or omissions of the CONTRACTOR, or any Subcontractors, or any of their or their agents or employees, or any other person performing any of the Work.

ARTICLE 9 – CHANGES IN THE WORK

9.1 Without invalidating the Agreement, the CITY may, at any time or from time to time, order additions, deletions or revisions in the Work; these shall be authorized by Change Orders. Upon receipt of a Change Order, the CONTRACTOR will proceed with the Work involved. All such Work shall be

executed under the applicable conditions of the Contract Documents. As per Articles 11 and Article 12, all Change Orders that add or delete work, or increase or decrease Time, will most likely result in an adjustment to the Contract Price and Time accordingly. Any such changes will be reflected in the Change Order(s), which when signed by the CONTRACTOR, shall indicate an agreement of the parties therewith.

9.2 The CITY may authorize minor changes or alterations in the Work not involving extra cost and not inconsistent with the overall intent of the Contract Documents. These may be accomplished by a Field Order. If the CONTRACTOR believes that any minor change or alteration authorized by the CITY entitles them to an increase in the Contract Price or extension of Contract Time, they may make a claim therefore as provided in Articles 11 and 12.

9.3 Additional Work performed by the CONTRACTOR without authorization of a Change Order will not entitle CONTRACTOR to an increase in the Contract Price or an extension of the Contract Time, except in the case of an emergency as provided in paragraph 6.11 and except as provided in paragraph 10.2.

9.4 The CITY will execute appropriate Change Orders prepared by the CITY covering changes in the Work, to be performed and Work performed in an emergency as provided in paragraph 6.11 and any other claim of the CONTRACTOR for a change in the Contract Time or the Contract Price which is approved by the CITY.

9.5 It is the CONTRACTOR'S responsibility to notify his Surety of any changes affecting the general scope of the Work or change in the Contract Price or Contract Time and the amount of the applicable bonds shall be adjusted accordingly. The CONTRACTOR will furnish proof of such an adjustment to the CITY.

ARTICLE 10 – CHANGE OF CONTRACT PRICE

10.1 The Contract Price constitutes the total compensation payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at their expense without changing the Contract Price.

10.2 (a) The CITY may, at any time, without written notice to the sureties, by written order designated or indicated to be a Change Order, make any change in the Work within the general scope of the Contract, including but not limited to changes:

1) in the specifications (including drawings and designs);
2) in the method or manner of performance of the Work;
3) in the CITY-furnished facilities, equipment, materials, services, or site; or
4) in directing acceleration in the performance of the Work.

(b) Except as herein provided, no order, statement, or conduct of the CITY shall be treated as a change under this clause or entitle the CONTRACTOR to an adjustment to the Contract Price or Time.

(c) If any change order under this clause causes an increase or decrease in the CONTRACTOR'S cost of, or the time required for, the performance of any part of the Work, under this Contract, whether or not changed by any order, the Contract Price and Time will be adjusted in writing by the same amount.

(d) If the CONTRACTOR intends to assert a claim for an adjustment in Contract Price or Time under this clause, he must, within ten (10) days after receipt of a written Change Order, submit to the CITY a written notice including a statement setting forth the general nature and monetary extent of such claim, and supporting data.

(e) No claim by the CONTRACTOR for an adjustment in Contract Price or Time hereunder shall be allowed if not submitted in accordance with this section or if asserted after final payment under this Contract.

10.3 The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following ways:

10.3.1 By negotiated lump sum.

10.3.2 On the basis of the cost of the Work, determined as provided in Sections 10.4 and 10.5, plus a mutually agreed upon fee to the CONTRACTOR to cover overhead and profit.

10.4 The term cost of the Work means the sum of all direct costs necessarily incurred and paid by the CONTRACTOR in the proper performance of the Work. Except as otherwise may be agreed to in writing by CITY, such costs shall be in amounts no higher than those prevailing in Miami-Dade County, shall include only the following items and shall not include any of the costs itemized in Paragraph 10.5.

10.4.1 Payroll costs for employees in the direct employ of CONTRACTOR in the performance of the Work described in the Change Order under schedules of job classifications agreed upon by CITY and CONTRACTOR. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall be limited to: salaries and wages, plus the costs of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workers' compensation, health and retirement benefits, sick leave, vacation and holiday pay applicable thereto. Such employees shall include superintendents and foremen at the site. The expenses of performing Work after regular working hours, on Sunday or legal holidays shall be included in the above only if authorized by CITY.

10.4.2 Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage, and manufacturers' field services required in connection therewith. All cash discounts shall accrue to CONTRACTOR unless CITY deposits funds with CONTRACTOR with which to make payments in which case the cash discounts, shall accrue to the CITY. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment shall accrue to CITY, and CONTRACTOR shall make provisions so that they may be

obtained.

10.4.3 Payments made by CONTRACTOR to the Subcontractors for Work performed by Subcontractors. If required by CITY, CONTRACTOR shall obtain competitive bids from Subcontractors acceptable to him and shall deliver such bids to CITY who will then determine which Bids will be accepted. If a Subcontract provides that the Subcontractor is to be paid on the basis of Cost of Work plus a fee, the cost of the Work shall be determined in accordance with paragraphs 10.4 and 10.5.

10.4.4 Rentals of all construction equipment and machinery and the parts thereof whether rented from CONTRACTOR or others in accordance with rental agreements approved by CITY with the advice of CONTRACTOR, and the costs of transportation, loading, unloading, installation, dismantling and removal thereof - all in accordance with terms of said rental agreements. The rental of any such equipment, machinery or parts shall cease when the use thereof is no longer necessary for the Work.

10.4.5 Sales, use or similar taxes related to the Work, and for which CONTRACTOR is liable, imposed by any governmental authority.

10.4.6 Payments and fees for permits and licenses. Costs for permits and licenses must be shown as a separate item.

10.4.7 The cost of utilities, fuel and sanitary facilities at the site.

10.4.8 Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage and similar petty cash items in connection with the Work.

10.4.9 Cost of premiums for additional Bonds and Insurance required solely because of changes in the Work, not to exceed two percent (2%) of the increase in the Cost of the Work.

10.5 The term Cost of the Work shall not include any of the following:

10.5.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, lawyers, agents, expediters, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in his principal or a branch office for general administration of the Work and not specifically included in the schedule referred to in subparagraph 10.4.1 - all of which are to be considered administrative costs covered by the CONTRACTOR's fee.

10.5.2 Expenses of CONTRACTOR's principal and branch offices other than his office at the site.

10.5.3 Any part of CONTRACTOR's capital expenses, including interest on CONTRACTOR's capital employed for the Work and charges against CONTRACTOR for delinquent payments.

10.5.4 Cost of premiums for all bonds and for all insurance policies whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same (except as otherwise

provided in subparagraph 10.4.9).

10.5.5 Costs due to the negligence of the CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them of for whose acts any of them may be liable, including but not limited to, the correction of defective work, disposal of materials or equipment wrongly supplied and making good any damage to property.

10.5.6 Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 10.4.

10.6 The CONTRACTOR's fee which shall be allowed to the CONTRACTOR for their overhead and profit shall be determined as follows:

10.6.1 In the event of an oversight or omission by the CONTRACTOR no compensation for overhead or profit will be provided; otherwise.

10.6.2 A mutually acceptable firm fixed price; or if none can be agreed upon.

10.6.3 A **ten percent (10%)** fixed fee based on the estimate of the various portions of the Cost of the Work.

10.7 The amount of credit to be allowed by the CONTRACTOR to the CITY for any such change which results in a net decrease in cost will be the amount of the actual net decrease. When both additions and credits are involved in any one change, the net shall be computed to include overhead and profit, identified separately, for both additions and credit, provided however, the CONTRACTOR shall not be entitled to claim lost profits for any Work not performed.

10.8 Whenever cost of any Work is to be determined pursuant to paragraphs 10.4 and 10.5, the CONTRACTOR will submit in form prescribed by CITY an itemized cost breakdown together with supporting data.

10.9 Force Account

1. If the Owner and the CONTRACTOR cannot reach agreement on an equitable adjustment to the Contract Price for any work as prescribed above, then the Extra Work will be performed on a Force Account basis as directed by the Architect/ Engineer and paid for as specified below.

2. In the event Extra Work is performed on a Force Account basis, then the CONTRACTOR and the Subcontractors, as appropriate, shall maintain itemized daily records of cost, quantities, labor and the use of authorized Special Equipment or Machinery.

10.10 Architect/Engineer daily for approval, subject to audit.

a. Comparison of Record: The CONTRACTOR, including its Subcontractor(s) of any tier performing the work, and the Architect/ Engineering shall compare records of the cost of force account work at the end of each day. Agreement shall be indicated by signature of the CONTRACTOR, the Subcontract performing the work, and the Architect/ Engineer or their duly authorized representatives.

b. Statement: No payment will be made for work performed on a force account basis until the Contractor has furnished the Architect/ Engineer with duplicate itemized statements of the cost of such force account work detailed as follows:

i. Name, classification, dates, daily hours, total hours, rate and extension for each laborer, tradesman, and foreman.

ii. Designation, dates, daily hours, total hours, rental rate, and extension of each unit of special machinery and equipment.

iii. Quantities of materials, prices, and extensions.

iv. Transportation of materials.

The statements shall be accompanied and supported by a receipted invoice of all materials used and transportation charges. However, if materials used on the force account work are not specifically purchased for such work but are taken from the CONTRACTOR'S stock, then in lieu of the invoices the CONTRACTOR shall furnish an affidavit certifying that such materials were taken from its stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the CONTRACTOR.

ARTICLE 11 – PAYMENTS AND COMPLETION

Payments to CONTRACTOR:

11.1 At least ten (10) days before each progress payment falls due (but not more often than once a month), the CONTRACTOR will submit to the CITY a partial payment estimate filled out and signed by the CONTRACTOR covering the Work performed during the period covered by the partial payment estimate and supported by such data as the CITY may reasonably require.

The CITY will within ten (10) days after receipt of each partial payment estimate, either indicate in writing their approval of payment and present the partial payment estimate to the CITY, or return the partial payment estimate to the CONTRACTOR, indicating in writing their reasons for refusing to approve payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the partial payment estimate. The CITY, will within thirty (30) days of presentation to them of any approved partial payment estimate, pay the CONTRACTOR a progress payment on the basis of the approved partial payment estimate. The CITY may retain ten percent (10%) of the amount of each payment until final completion and acceptance of all Work covered by the Contract Documents. On completion and acceptance of a part of the Work on which the price is stated separately in the Contract Documents,

payment may be made in full, including retained percentages, less authorized deductions. Any interest earned on the retainage shall accrue to the benefit of the CITY.

11.1.1 City of Doral Progress Payment Forms

1. Exhibit F- CONTRACTOR Check List of items required for progress payment
2. Exhibit H- CONTRACTOR's Notification List of suppliers and Subcontractors
3. Exhibit G- Certification of CONTRACTOR
4. Exhibit E- Partial Release (Subs-Suppliers)
5. Exhibit D- Partial Release (Prime CONTRACTOR)

11.2 The CITY shall have the right to demand and receive from the CONTRACTOR, before he shall receive final payment, final releases of lien executed by all persons, firms or corporations who have performed or furnished labor, services or materials, directly or indirectly, used in the Work; inclusive of Final As-builts. Likewise, as a condition to receiving any progress payment, the CITY may require the CONTRACTOR to furnish partial releases of lien executed by all persons, firms and corporations who have furnished labor, services or materials incorporated into the Work during the period of time for which the progress payment is due, releasing such lien rights as those persons, firms or corporations may have for that period, red-line as-builts, progress schedule.

11.2.1 City of Doral Final Payment Forms

1. Exhibit I- Final Release (Prime CONTRACTOR)
2. Exhibit J- Partial Release (Subs-Suppliers)

CONTRACTOR's Warranty of Title:

11.3 The CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by an Application for Payment, whether incorporated in the Project or not, will have passed to the CITY prior to the making of the Application for Payment, free and clear of all liens, claims, security interest and encumbrances (hereafter in these General Conditions referred to as "Liens"); and that no Work, materials or equipment covered by an Application for Payment will have been acquired by the CONTRACTOR or by any other person performing the Work at the site or furnishing materials and equipment for the Project, subject to an agreement under which an interest therein or encumbrance thereon is retained by the seller or otherwise imposed by the CONTRACTOR or such other person.

Acceptance of Final Payment as Release:

11.4 The Acceptance by the CONTRACTOR of final payment shall be and shall operate as a release to the CITY and a waiver of all claims and all liability to the CONTRACTOR other than claims in stated amounts as may be specifically excepted by the CONTRACTOR for all things done or furnished in connection with the Work and for every act and neglect of the CITY and others relating to or arising out of this Work. Any payment, however, final or otherwise, shall not release the CONTRACTOR of their sureties from any obligations under the Contract Documents or the Performance Bond and Payment Bonds.

ARTICLE 12 – SUSPENSION OF WORK AND TERMINATION

12.1 The CITY may, at any time and without cause, suspend the Work or any portion thereof for a period of not more than ninety (90) days by notice in writing to the CONTRACTOR which shall fix the date on which Work shall be resumed. For suspensions longer than ninety (90) days, The CONTRACTOR will be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly

attributable to any suspension if they make a claim therefore as provided in Articles 11 and 12.

Work During Inclement Weather:

12.2 No Work shall be done under these specifications except by permission of the CITY when the weather is unfit for good and careful Work to be performed. Should the severity of the weather continue, the CONTRACTOR upon the direction of the CITY, shall suspend all Work until instructed to resume operations by the CITY and the Contract Time pursuant to Section 12.7 shall be extended to cover the duration of the order.

City May Terminate:

12.3 If the CONTRACTOR is adjudged bankrupt or insolvent, or if they make a general assignment for the benefit of their creditors, or if a trustee or receiver is appointed for the CONTRACTOR or for any of their property, or if they file a petition to take advantage of any debtor's act, or to reorganize under bankruptcy or similar laws, or if they repeatedly fails to supply sufficient skilled workmen or suitable materials or equipment, or if they repeatedly fail to make prompt payments to Subcontractors or for labor, materials or equipment or they disregards laws, ordinances, rules, regulations or orders of any public body having jurisdiction, or if they disregard the authority of the CITY, or if they otherwise violate any provision of the Contract Documents, then the CITY may, without prejudice to any other right or remedy and after giving the CONTRACTOR and their surety seven (7) days written notice, terminate the services of the CONTRACTOR and take possession of the Project and of all materials, equipment, tools, construction equipment and machinery thereon owned by the CONTRACTOR, and finish the Work by whatever method they may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds the direct and indirect costs of completing the Project, including compensation for additional professional services, such excess shall be paid to the CONTRACTOR. If such costs exceed such unpaid balance, the CONTRACTOR will pay the difference to the CITY. Such costs incurred by the CITY will be determined by the CITY and incorporated in a Change Order.

If after termination of the CONTRACTOR under this Section, it is determined by a court of competent jurisdiction for any reason that the CONTRACTOR was not in default, the rights and obligations of the CITY and the CONTRACTOR shall be the same as if the termination had been issued pursuant to Section 12.5.

12.4 Where the CONTRACTOR'S services have been so terminated by the CITY said termination shall not affect any rights of the CITY against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys by the CITY due the CONTRACTOR will not release the CONTRACTOR from liability.

12.5 Upon seven (7) days written notice to the CONTRACTOR, the CITY may, without cause and without prejudice to any other right or remedy, elect to terminate the Agreement. In such case, the CONTRACTOR shall be paid for all Work executed and accepted by the CITY as of the date of the termination. No payment shall be made for profit for Work which has not been performed.

Removal of Equipment:

12.6 In the case of termination of this Contract before completion for any cause whatever, the CONTRACTOR, if notified to do so by the CITY, shall promptly remove any part or all of his equipment and supplies from the property of the CITY. Should the CONTRACTOR not remove such equipment and

supplies, the CITY shall have the right to remove them at the expense of the CONTRACTOR. Equipment and supplies shall not be construed to include such items for which the CONTRACTOR has been paid in whole or in part.

CONTRACTOR May Stop Work or Terminate:

12.7 If, through no act or fault of the CONTRACTOR, the Work is suspended for a period of more than ninety (90) days by the CITY or under an order of court of other public authority, or the CONTRACTOR fails to act on any Application for Payment within thirty (30) days after it is submitted, or the CITY fails to pay the CONTRACTOR any sum approved by the CITY, within thirty (30) calendar days of its approval, and presentation, then the CONTRACTOR may, upon twenty (20) calendar days written notice to the CITY, terminate the Agreement. The CITY may remedy the delay or neglect within the twenty (20) calendar days' time frame. If timely remedied by the CITY the Contract shall not be considered terminated. In lieu of terminating the Agreement, if the CITY has failed to act on an Application for Payment or the CITY has failed to make any payment as aforesaid, the CONTRACTOR may upon ten (10) calendar days' notice to the CITY and the CONTRACTOR stop the Work until they have been paid all amounts then due. If the CONTRACTOR stops neither by default nor by non-payment from the CITY, the CONTRACTOR will be responsible for 100% of the difference between the total of his/her Bid and the second lowest Bid.

ARTICLE 13 - CONTRACTOR'S GENERAL WARRANTY AND GUARANTEE

13.1 CONTRACTOR warrants and guarantees to CITY all Work shall be in accordance with the Contract Documents and will not be defective.

13.2 CONTRACTOR'S obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of CONTRACTOR'S obligation to perform the Work in accordance with the Contract Documents:

13.2.1 Observations by CITY or CITY'S REPRESENTATIVE, based on the recommendation of the ARCHITECT or ENGINEER;

13.2.2 Payment by CITY of any progress or final payment;

13.2.3 The issuance of a certificate of Substantial Completion, certificate of Final Completion, or any payment related thereto by CITY;

13.2.4 Use or occupancy of the Work or any part thereof by CITY;

13.2.5 Any acceptance by CITY or any failure to do so;

13.2.6 Any review and approval of a Submittal or the issuance of a notice of acceptability by the CITY'S REPRESENTATIVE;

13.2.7 Any inspection, test, or approval by others; or

13.2.8 Any correction of defective Work by CITY.

13.3 Access to Work:

The CITY'S REPRESENTATIVE, ARCHITECT or ENGINEER and other representatives of CITY, testing agencies and governmental agencies with jurisdictional interests shall have access to the Work at reasonable times for their observation, inspecting and testing. CONTRACTOR shall provide proper and safe conditions for such access.

13.4 Tests and Inspection:

13.4.1 CONTRACTOR shall give CITY timely notice of readiness of the Work for all required inspections, tests, observations or approvals. Inspections, tests or observations by the CITY'S REPRESENTATIVE, the ARCHITECT or ENGINEER, CITY or its agents may be performed at its discretion to provide information to the CITY on the progress of the Construction. However, such information is not intended to fulfill the CONTRACTOR'S obligations in accordance with the Contract Documents.

13.4.2 CONTRACTOR shall assume full responsibility, pay all costs in connection therewith and furnish CITY the required certificates of inspection, testing or approval for all materials, equipment or the Work or any part thereof unless otherwise specified herein.

13.4.3 STORM SEWER SYSTEM TESTING

TESTING EQUIPMENT

A. Conform to applicable sections of ASTM.

B. Conform to other applicable industry standards and codes.

13.4.3.2 CLEANING AND VISUAL INSPECTION

CLEANING

A. Clean all manholes, pipes, and structures by removing sheeting, bracing, forms, soil sediment, concrete waste, and other debris.

B. Do not discharge soil sediment or debris to drainage channels or existing storm sewer. Dispose of properly in a waste containment site that is acceptable to the City.

VISUAL INSPECTION

A. Examine structures and pipes for:

1. Damage.

2. Indication of displacement of reinforcement, forms, pipes, or bedding.

3. Porous areas or voids.

4. Proper placement of seals, gaskets, and embedment.

5. Visible infiltration.

B. Verify that structures and pipes are set to true line, grade, and plumb.

C. Verify structure and pipe dimensions and thickness.

D. Measure actual inside dimensions of all flexible pipe prior to installation. Use these dimensions when sizing the mandrel should deflection testing be required.

E. Storm sewer pipes shall be inspected by flashing a light between structures or by physical passage where space permits.

1. Lamping shall be done after pipe trench backfill is compacted and brought to grade or pavement subgrade.

2. Full pipe diameter ("full moon") shall be visible for grade alignment.

3. No less than half pipe diameter ("half-moon") shall be visible for horizontal alignment.

F. Storm sewer structures shall be plugged in each direction and cleaned thoroughly to the bottom of sump area.

1. There will be no sediment or debris permitted and all pipe inlets connections will be watertight.

2. The tops of structures will be thoroughly sealed inside and out with no brick exposure.

3. Manhole rim and covers will be thoroughly sealed inside and out with no brick exposure.

Uncovering the Work:
If any Construction that is to be inspected, tested or approved is covered without written concurrence of CITY'S REPRESENTATIVE, it must, if requested by CITY or the CITY'S REPRESENTATIVE, be uncovered for observation. Such uncovering shall be at CONTRACTOR'S expense and will exclude the right to an increase in the Contract Price or Contract Time unless CONTRACTOR has given CITY or the CITY'S REPRESENTATIVE timely written notice of CONTRACTOR'S intention to cover such Construction and CITY or the CITY'S REPRESENTATIVE has not acted with reasonable promptness in response to such notice.

13.4.4 If CITY considers it necessary or advisable that covered Work be observed by CITY'S REPRESENTATIVE or the ARCHITECT or ENGINEER, or inspected or tested by others, CONTRACTOR, at CITY'S request, shall uncover, expose or otherwise make available for

observation, inspection or testing as CITY may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is defective, CONTRACTOR shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services and any additional expenses experienced by the CITY due to delays to others performing additional work, other contractual obligations, and CITY shall be entitled to issue an appropriate deductive Change Order. CONTRACTOR shall further bear the responsibility for maintaining the schedule and will not be allowed an increase in Contract Price or Contract Time due to the uncovering. If, however, such Construction is not found to be defective, and Section 00700.8.5 is not applicable, CONTRACTOR shall be allowed an increase in the Contract Price or the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction if it makes a claim therefore as provided in the Contract Documents.

13.5 CITY May Stop the Work:

If the Work is defective, or CONTRACTOR fails to supply sufficient skilled workers or suitable materials or equipment, or fails to furnish or perform the Work in such a way that the completed Work will conform to the Contract Documents, CITY may order CONTRACTOR to stop the Work, or any portion thereof, until the cause for such failure has been eliminated; however, this right of CITY to stop the Work shall not give rise to any duty on the part of CITY to exercise this right for the benefit of CONTRACTOR or any other party. CONTRACTOR shall not be allowed an increase in Contract Price or the Contract Time or both as a result of the stopping of Work under this section.

13.6 Correction or Removal of Defective Work:

If required by the CITY'S REPRESENTATIVE, with the recommendation of the ARCHITECT and/or ENGINEER, CONTRACTOR shall promptly, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by the CITY'S REPRESENTATIVE, upon the recommendation of the ARCHITECT or ENGINEER, remove it from the site and replace it with non-defective Work. CONTRACTOR shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of the CITY'S REPRESENTATIVE, the ARCHITECT or ENGINEER, attorneys and other professionals) made necessary thereby.

13.7 One Year Correction Period:

Without prejudice to any other right of the City, if within one (1) year after the date of final completion or within any designated manufacturer's warranty, whichever is greater, or such longer period of time as may be prescribed by laws or regulations or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be defective, CONTRACTOR shall promptly, without cost to CITY and in accordance with CITY'S written instructions, either correct such

defective Work, or, if it has been rejected by CITY or the CITY'S REPRESENTATIVE, based on the recommendation of the ARCHITECT or ENGINEER, remove it from the site and replace it with non-defective Work. If CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, CITY may have the defective Work corrected or the rejected Work removed and replaced, and all of the CITY'S direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of the ARCHITECT or ENGINEER) will be reimbursed by CONTRACTOR. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so, provided in the Specifications or by written amendment.

13.8 CITY shall reserve and retain all of its rights and remedies at law and equity against CONTRACTOR and its surety for damages and for corrections of any and all latent defects.

13.9 Extended Warranty Period Due to Defective Construction:

Any defective Construction that is either corrected or rejected and replaced will be warranted and guaranteed for a period of one (1) year from the date of acceptance of such correction or removal and replacement, even if it had previously been corrected or replaced, in accordance with the provisions of this Article 12. If within such extended Warranty Period, the Work is once again found to be defective, CITY shall be entitled to all of CITY'S rights and remedies under this Article.

ARTICLE 14 – MISCELLANEOUS

14.1 Whenever any provision of the Contract Documents requires the giving of written notice it shall be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to them who gives the notice.

14.2 The Contract Documents shall remain the property of the CITY. The CONTRACTOR and the CONTRACTOR shall have the right to keep one record set of the Contract Documents upon completion of the Project.

14.3 The duties and obligations imposed by these General Conditions, Special Conditions and Supplemental Conditions and the rights and remedies available hereunder, and, in particular but without limitation, the warranties, guarantees and obligations imposed upon CONTRACTOR and those in the Special Conditions and the rights and remedies available to the CITY and there under, shall be in addition to, and shall not be construed in any way as a limitation of, any rights and remedies available by law, by special guarantee or by other provisions of the Contract Documents.

14.4 Should the CITY or the CONTRACTOR suffer injury or damage to its person or property because of any error, omission, or act of the other or of any of their employees or agents or others for whose acts they are legally liable, claim shall be made in writing to the other party within a reasonable time of the first observance of such in- jury or damage.

14.5 Value Engineering Change Proposals: The Contractor may submit to the Architect/ Engineer one or more cost reduction proposals for changing the Contract requirements. The proposals shall be based upon a sound study made by the Contractor indicating that the proposal:

a. Will result in a net reduction in the total Contract amount;

b. Will not impair any essential function or characteristic of the Work such as safety, service life, reliability, economy of operation, ease of maintenance and necessary standardized features;

c. Will not require an unacceptable extension of the Contract completion time; and

d. Will require a change in the Contract Documents and such change is not already under consideration by the Owner.

14.6 The Owner may accept in whole or in part any proposal submitted pursuant to the previous paragraph on Value Engineering Change Proposals by issuing a Change Order which will identify the proposal on which it is based. The Change Order will provide for a Contract change in the Contract price and will revise any other affected provisions of the Contract Documents. The equitable adjustment in the Contract price will be established by determining the net savings resulting from the accepted change. The net savings resulting from the change will be shared between the Contractor and the Owner on the basis of 50 percent for the Contractor and 50 percent for the Owner and will be limited to 10 percent of the total construction contract amount for all Value Engineering Change Proposal submitted via Change Order. Net savings will be determined by deducting from the proposal's estimated gross savings (1) the Contractor's costs of developing and implementing the proposal (including any amount attributable to a subcontractor) and (2) the estimated amount of increased costs to the Owner resulting from the change, such as evaluation, implementation, inspection, related items, and Owner - furnished material. Estimated gross savings will include Contractor's labor, material, equipment, overhead, profit and bond. The Contract price will be reduced by the sum of the Owner's costs and share of the net savings. For the purposes of this article, the applicable provisions of the Contract Documents shall be used to determine the equitable adjustment to the Contract price.

14.7 The Owner will not be liable for delay in acting upon, or for failure to act upon, any proposals submitted pursuant to of this article. The decision of the Owner as to the acceptance or rejection of any such proposal under the Contract will be final. The submission of a proposal by the Contractor will not in itself reflect the rights or obligation of either party under the Contract.

14.8 The Contractor shall have the right to withdraw part or all of any Proposal he may make under paragraph two of this article at any time prior to acceptance by the Owner. Such withdrawal shall be made in writing for the Architect/ Engineer. Each such proposal shall remain valid for a period of 60 days from the date submitted. If the Contractor wishes to withdraw the proposal prior to the expiration of the 60-day period he will be liable for the cost incurred by the owner in reviewing the proposal.

14.9 The Contractor shall specifically identify any proposals under Paragraph 2 of this article with the heading "Value Engineering Change Proposal", or the proposal will be considered as made under paragraph 1 of this article.

ARTICLE 15 – WAIVER OF JURY TRIAL

15.1 The CITY and the CONTRACTOR knowingly, irrevocably voluntarily and intentionally waive any right either may have to a trial by jury in State or Federal Court proceedings in respect to any action, proceeding, lawsuit or counterclaim based upon the Contract Documents or the performance of the Work thereunder.

ARTICLE 16 – ATTORNEYS FEES/JURISDICITON/VENUE/GOVERNING LAW

16.1 The Contract shall be construed in accordance with and governed by the law of the State of Florida.

16.2 The parties submit to the jurisdiction of any Florida State or federal court in any action or proceeding arising out of or relating to the Contract. Venue of any action to enforce the Contract shall be in Dade County, Florida.

16.3 If either the CITY or the CONTRACTOR is required to enforce the terms of the Contract by court proceedings, the prevailing party shall be entitled to recover from the other party all such costs and expenses, including, but not limited to, court costs, and reasonable attorney's fees.

ARTICLE 17 – PROJECT RECORDS

17.1 The CITY shall have right to inspect and copy during regular business hours at CITY'S expense, the books and records and accounts of CONTRACTOR which relate in any way to the Project, and to any claim for additional compensation made by CONTRACTOR, and to conduct an audit of the financial and accounting records of CONTRACTOR which relate to the Project. CONTRACTOR shall retain and make available to CITY all such books and records and accounts, financial or otherwise, which relate to the Project and to any claim for a period of three (3) years following final completion of the Project. During the Project and the three (3) year period following final completion of the Project, the CONTRACTOR shall provide the CITY access to its books and records upon five (5) days written notice.

ARTICLE 18 – SEVERABILITY

18.1 If any provision of the Contract or the application thereof to any person or situation shall to any extent, be held invalid or unenforceable, the remainder of the Contract, and the application of such provisions to persons or situations other than those as to which it shall have been held invalid or unenforceable shall not be affected thereby, and shall continue in full force and effect, and be enforced to the fullest extent permitted by law.

ARTICLE 19 – INDEPENDENT CONTRACTOR

19.1 The CONTRACTOR is an independent CONTRACTOR under the Contract. Services provided by the CONTRACTOR shall be by employees of the CONTRACTOR and subject to supervision by the CONTRACTOR, and not as officers, employees, or agents of the CITY. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures, applicable to services rendered under the Contract shall be those of the CONTRACTOR.

ARTICLE 20 – TRENCH SAFETY ACT

20.1 The purpose and intention of the State of Florida "Trench Safety Act" is to provide for increased worker safety by requiring compliance with sufficient standards for trench safety when the excavation is in excess of five (5) feet deep.

END OF SECTION

SECTION 00720 SUPPLEMENTAL GENERAL TERMS AND CONDITIONS

7.1 The CONTRACTOR shall at all times ensure that the work site is maintained in a clean and orderly fashion. As soon as the work in any one locality is completed, the accumulated rubbish or surplus materials shall be promptly removed. The CONTRACTOR shall also restore all public and private property in a manner acceptable to the Engineer, to a condition equal to or better than pre-construction conditions. This shall apply to public and private property which has been displaced or damaged during the prosecution of the work, and the CONTRACTOR shall leave the site and vicinity unobstructed and in a neat and presentable condition.

7.2 Protection of existing utilities, structures and other facilities: The underground pipes, utilities and structures shown on the Plans are located according to the best information available but may vary by several feet from both the position and elevation shown. The CONTRACTOR shall explore far enough ahead of his work to determine the exact location and condition of such utilities, structures or facilities so that, before the pipe is installed, the Engineer may change the line or grade of the pipe or other facility, should that become necessary to avoid a conflict. Should this exploration reveal that adjustments to the work are necessary; the CONTRACTOR shall immediately notify the Engineer and coordinate with him to adjust the work in a timely fashion avoiding delays to construction. No request for additional compensation or Contract time (**except for a non- compensable time extension at the sole discretion of the Engineer, whose decision shall be final**) resulting from encountering utilities or structures not shown, or differing in location or elevation from that shown, will be considered. The CONTRACTOR shall explore sufficiently ahead of the Work to allow time for any necessary adjustments without delay to the progress of the installation. Costs due to delays occasioned by encountering underground utilities or structures which could have or should have been discovered by timely exploration ahead of the Work shall rest solely with the CONTRACTOR.

7.3 All cost for changing the grade of the proposed "new installation" downward two feet-six inches or less in order to clear obstructions located differently than shown on the Plans, or to clear obstructions located differently than shown on the Plans but the location of which could have become known or should have become known by proper observation of field conditions or the proper exploratory procedure, shall be included in the prices bid under the various items of the Proposal and no additional compensation will be allowed.

7.4 All pipes, sewers, drains and other pipe, cables, or conduits, and all other obstructions, whether or not shown, shall be temporarily removed from, or supported during excavation. It is intended that wherever piping systems or utilities such as water, wastewater, air, chemical, electrical or other service lines must be crossed, deflection of the pipe within recommended limits and cover shall be used to satisfactorily clear the obstruction unless otherwise indicated on the plans. The CONTRACTOR shall be held responsible for any damage to such installations and shall restore them to service immediately.

7.5 Changing the grade of the proposed main by rising deflections, or the alignment by horizontal deflections, will not be considered as extra work, or extra cost, to the CONTRACTOR, and in some cases a credit to the Department may be warranted.

7.6 Relocation of existing utilities: The relocation of existing utilities, as noted on the Plans, or for the convenience of the CONTRACTOR shall be the responsibility of the CONTRACTOR. This work shall be completed by either the forces of the existing utility or the CONTRACTOR's forces at the discretion of the responsible utility. If the work is to be performed by the CONTRACTOR, all work shall be done in accordance with the utility company's requirements. Under no circumstances shall the CONTRACTOR be authorized extra payment for this work, and all cost for the relocation shall be the responsibility of the CONTRACTOR.

7.7 The CONTRACTOR shall also be responsible for the coordination of all existing utility relocations with the appropriate utilities. Where temporary supports or protective encasements are required during the construction, the CONTRACTOR shall be responsible for this work at no additional cost.

7.8 Any conflicts between the field investigation and the information shown on the plans shall be brought to the immediate attention of the Engineer.

END OF SECTION

SECTION 00810 – SPECIAL CONDITIONS

8.1 Permit/Utilities:

The CONTRACTOR shall obtain all permits necessary to conduct this project. The cost of all permits should be included on the bid proposal. If more than 1 Acre of land is disturbed during construction the CONTRACTOR is responsible to obtain NPDES Stormwater permit coverage through the Florida Department of Environmental Protection (FDEP) Construction Generic Permit (CGP). Instructions to request and obtain a CGP can be found at: http://www.dep.state.fl.us/water/stormwater/npdes/docs/cgp.pdf. CONTRACTOR should submit the Notice of Intent (NOI) with the appropriate processing fees to the NPDES Stormwater Notices Center. CONTRACTOR must apply for permit coverage at least two days before construction begins. In addition, the CONTRACTOR shall clear utilities prior to conducting any work at each project site. CONTRACTOR shall adhere to any restrictions imposed by FPL for conducting work under power lines.

8.2 Hours of Work:

CONTRACTOR will perform work Monday through Friday, excluding City holidays, from 8:00 a.m. to 6:00 p.m. unless prior written approval is received from The City. The CONTRACTOR must comply with the CITY's Noise Ordinance, Ordinance No. 2006-23.

8.3 Disputes:

If any dispute concerning a question of fact arises under the Contract, other than termination for default or convenience, the CONTRACTOR and the CITY's responsible department for the administration of the Contract shall make good faith effort to resolve the dispute. If the dispute cannot be resolved by agreement, then the department with the advice of the City Attorney shall resolve the dispute and send a written copy of its decision to the CONTRACTOR, which shall be binding on both parties.

8.4 Default Provisions:

In case of default by the BIDDER or CONTRACTOR, the CITY procures the articles or services from other sources and hold the BIDDER or CONTRACTOR responsible for any excess costs occasioned or incurred thereby.

8.5 Assignment:

The CONTRACTOR shall not transfer or assign the performance required by this Bid without prior written consent of the City Manager. Any award issued pursuant to the Invitation to Bid and monies which may be due hereunder are not assignable except with prior written approval of the City Manager. Further, in the event that the majority Ownership or control of the CONTRACTOR changes hands subsequent to the award of this Contract, the CONTRACTOR shall promptly notify the CITY in writing of such change in Ownership or control at least thirty (30) days prior to such change and the CITY shall have the right to terminate the Contract upon sixty (60) days written notice, at the CITY's sole discretion.

8.6 Secondary/Other Vendors:

The CITY reserves the right in the event the primary vendor cannot provide an item(s) or service(s) in a timely manner as requested, to seek other sources without violating the intent of the Contract.

8.7 Employees:

The CONTRACTOR shall be responsible for the appearance of all working personnel assigned to the project (clean and appropriately dressed at all times). Personnel must be able to supply proper

identification at all times.

All employees of the CONTRACTOR shall be considered to be at all times the sole employees of the CONTRACTOR, under the CONTRACTOR's sole direction, and not an employee or agent of the City of Doral. The CONTRACTOR shall supply competent, suitably qualified and capable employees and the CITY may require the CONTRACTOR to remove any employee it deems careless, incompetent, insubordinate or otherwise objectionable and whose presence on CITY property is not in the best interest of the CITY. The CITY shall not have any duty to implement or enforce such requirements.

Each employee of the CONTRACTOR shall be a citizen of the United States or an alien who has been lawfully admitted for permanent residence as evidenced by an Alien Registration Receipt Card. The CONTRACTOR agrees not to employ any person undergoing sentence of imprisonment except as provided by Public Law 89-176, September 10, 1965, (18 USC4082) (c)(2).

The CONTRACTOR's assigned Competent Person must be able to adequately communicate with the City's representatives.

8.8 Subcontractors, Suppliers and Others:

Prior to the commencement of any work, the CONTRACTOR shall furnish, in writing to the CITY, the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. The CITY shall notify the CONTRACTOR, in writing, of any proposed person or entity to which CITY has an objection. The CONTRACTOR shall not contract with a proposed person or entity to which the CITY has made an objection. The CONTRACTOR shall not change a Subcontractor, person or entity previously selected if the CITY makes objection to the change.

The CONTRACTOR shall be fully responsible to CITY for all acts and omissions of the CONTRACTOR, its employees, Subcontractors, suppliers, other persons directly or indirectly employed by its Subcontractors or suppliers, persons for whose acts any of them may be liable and any other persons or organizations performing or furnishing supplies under a direct or indirect Contract with the CONTRACTOR. Nothing in the Contract Documents shall create any contractual relationship between CITY and any such Subcontractor, supplier or other person or organization, nor shall it create any obligation on the part of CITY to pay or to cause the payment of any money due any Subcontractor, supplier, employee or agent except as may otherwise be required by law.

All Work performed for the CONTRACTOR by a Subcontractor will be pursuant to an appropriate agreement between the CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to all applicable terms and conditions of the Contract Documents for the benefit of the CITY.

8.9 Protection:

All work in fulfillment of this project shall be performed on CITY property or public right- of-way. No permission will be given to trespass on adjoining property.

If property (public or private) is damaged during construction or is removed for the convenience of the work, it shall be repaired or replaced at the expense of the CONTRACTOR in a manner acceptable to the City of Doral prior to the final acceptance of the work. Such property shall include but not be

limited to pavement, sidewalks, curbs, driveways, walls, fences, footings, building façade, underground utilities, sod, shrubs, water sprinklers, signs, and trees.

The CONTRACTOR shall notify the Public Works Department in writing of the site having pre- existing damage to sidewalks, curbs, facade, adjacent improvements, etc., before beginning work. Failure to do so shall obligate the CONTRACTOR to make repairs per above paragraph.

The CONTRACTOR shall be solely responsible for pedestrian and vehicular safety and control within the work site and shall provide the necessary warning devices, signage, barricades and ground personnel needed to give safety, protection, and warning to persons and vehicular traffic within the area. All safety devices must have suitable and sufficient lighting for the prevention of accidents.

The CONTRACTOR shall protect existing catch basins from sediment and debris with filter fabric while work is in progress. Filter fabric shall be removed after completion of work. Filter fabric must be cleaned periodically to avoid excessive accumulation of sediment and debris. Extreme care shall be taken when removing filter fabric to avoid sediments and debris from entering catch basin.

8.10 Security:

The CONTRACTOR is responsible for project security. The CONTRACTOR shall protect and secure the site, materials, and equipment from theft and damage, by whatever means deems effective, at the CONTRACTOR's cost.

Work site(s) must be protected properly in accordance with all Federal, State, County and Municipal laws and ordinances, at the end of each workday and weekends.

8.11 Temporary Interruption:

The CONTRACTOR shall notify the Public Works Director whenever it is necessary to temporarily interrupt any business activities, the CONTRACTOR shall notify the Owner or tenant or their designee prior to the interruption and again immediately before the service is resumed. Before disconnecting any underground or overhead utilities, the CONTRACTOR shall make similar arrangements for their disconnection with the Owner, tenant or their designee. The CONTRACTOR shall be responsible for any damage caused by the CONTRACTOR to such utilities and shall restore them to service promptly as soon as the Work interruption has ended.

8.12 Pricing:

Prices should be stated in units of quantity specified in the Bid form. In case of a discrepancy, the CITY reserves the right to make the final determination at the lowest net cost to the CITY.

8.13 Delivery:

All items shall be delivered "Freight On Board" (F.O.B.) destination (i.e. at a specific City of Doral address), and delivery costs and charges (if any) shall be included in the Bid Price. Exceptions shall be noted.

8.14 Payments:

Payment will be made after commodities/services have been received, accepted, and properly invoiced as indicated in the contract and/or purchase order. Invoices must bear the purchase order number.

8.15 Non-Conformance to Contract:
The CITY may withhold acceptance of, or reject items which are found upon examination, not to meet the specification requirements. Upon written notification of rejections, items shall be removed within five (5) calendar days by the vendor at their own expense and redelivered at their expense. Rejected goods left longer than thirty (3) calendar days will be regarded as abandoned and the CITY shall have the right to dispose of them as its own property. Rejection for non-conformance or failure to meet delivery schedules may result in the CONTRACTOR being found in default.

8.16 Materials:
The CONTRACTOR warrants that all materials and equipment shall be of good quality and new, unless otherwise provided in the specifications and that the work will be free from defects whether patent or latent in nature. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable supplier except as otherwise provided in the specifications.

8.17 Storage of Materials:
The CONTRACTOR shall store materials, at his expense, in areas approved by the CITY. The CONTRACTOR, at their own expense, shall maintain these areas in a clean, orderly condition so as not to cause a nuisance in the area. The CONTRACTOR shall restore the storage area to its original or better condition, with all its appurtenances, in kind, to the satisfaction of the CITY, at the CONTRACTOR's discretion, if the CONTRACTOR chooses to stage material outside of the designated area, with prior approval from the CITY.

8.18 Quality Control:
Field Observations - Provide twenty-four (24) hour notification to the Architect/Engineer for all specified field observations, unless otherwise noted.

Inspection – Periodically the City may inspect the project for the purpose of assuring compliance with the specifications.

Dust Control – CONTRACTOR shall control dust by watering and sweeping at end of each workday or as directed by City Engineer. Dust control must meet City's satisfaction or City will control dust by whatever means deem necessary and CONTRACTOR shall pay all expenses incurred by the City associated with dust control.

8.19 On-Site Survey/As Built:
The CONTRACTOR shall be responsible for survey work required for establishing proper layout, elevations and grades as noted on the plans. The CONTRACTOR shall provide the CITY with three (3) sets of certified as-built plans and a CD containing PDF copy of the As-Built drawings as well as the CAD files, at no additional cost to the CITY.

8.20 Water Usage:
All City potable water used during the project shall be metered through a hydrant meter or meters obtained from the Miami-Dade County Water and Sewer Department at the CONTRACTOR's expense.

8.21 Salvageable Material:
All salvageable material and/or equipment removed from the existing construction for which specific

use, relocation or other disposal is not specifically noted on the Drawings or otherwise specified, will remain the property of the CITY and be turned over to the CITY. All material and/or equipment not in salvageable condition as determined by the CITY Representative must be disposed of by the CONTRACTOR. The actual storage site for salvageable material will be designated by the CITY.

8.22 Disposal of Excavated Material and Debris:

All excess excavated material and debris not required for backfill (unless otherwise noted), including broken pipe, sidewalks, curbs and other concrete items, together with all roots, boards and other debris are to be disposed of by the CONTRACTOR at an appropriate legal site, at no additional cost to the CITY.

The CONTRACTOR must at all times during the performance of the project keep the work site free and clear of all waste and debris to the CITY's satisfaction. All sand, grit, solids and other material, accumulated waste or surplus materials shall be removed at the end of each workday.

The CONTRACTOR will have not more than 48-hour notice to clear work site of rubbish, debris and other work site materials and to restore or replace displaced or damaged property, if the CONTRACTOR fails to comply, the CITY may employ labor or equipment as it deems necessary to clear the site at the CONTRACTORS's expense.

8.23 Equipment:

All construction equipment necessary and required for construction of this project shall be on the construction site, in excellent working condition, before construction is permitted to start. The CONTRACTOR shall provide such tamping tools and equipment as are necessary for the proper compaction of the backfill material.

8.24 Density Testing:

Density tests shall be taken by an independent testing laboratory certified by the State of Florida and approved by the designated City representative and shall be paid for by CONTRACTOR, at no additional cost to the City. A compaction test, for both the base and subgrade, shall be performed for every section of new pavement and at least one (1) test for every 250 square yards of new pavement. In addition, density testing shall be performed for installation in swale areas at a frequency of one test per 50 feet of trench, or adjacent to newly installed inlets at the discretion of the City representative.

Compaction test reports of sub-grade and base rock shall be submitted for approval to the designated City representative prior to installation of final asphaltic wearing surface.

8.25 Laboratory Tests:

Except as otherwise provided, sampling and testing of all materials, and the laboratory methods and testing equipment required under these specifications shall be in accordance with the latest standards of the American Society for Testing Materials.

The CONTRACTOR shall furnish the required samples for testing without charge. The CONTRACTOR shall provide at least 24-hour notice when requesting testing to be performed. In locations where coring's are taken by the approved testing lab, the CONTRACTOR shall be responsible for plugging these core holes.

All material tests will be made by an independent testing laboratory that may be selected by the CITY. Excluding Density Testing, where tests indicate that materials are in accordance with specified

requirements, the CITY shall bear the testing cost. When tests reveal that conditions or materials do not comply with the specifications, the cost of such tests shall be assessed against the CONTRACTOR.

8.26 Notification to Residents:

CONTRACTOR shall notify residents directly impacted by the project (including MOT), in writing, 72 hours prior to performing any work. Notification must include type of work to be performed; date work will begin and estimated completion date. In the event CONTRACTOR changes schedule or duration of work, CONTRACTOR must notify resident, in writing, of such changes. CONTRACTOR must provide a copy of all notifications to the City.

8.27 Staging Area:

No staging site available for this project. CONTRACTOR must use available space along the public right-of-way without impacting or permanently closing sidewalks and/or the roadway or provide documentation for CONTRACTOR selected staging area prior to commencement of work. The staging site/area is the responsibility of the CONTRACTOR and the CONTRACTOR shall be responsible for the restoration of the area at no additional cost to the City. Staging site shall be protected and shall have erosion and sedimentation control measure such as silt fence, at no additional cost to the City.

8.28 Site Conditions

8.28.1 Site Investigation And Representation

A. The CONTRACTOR acknowledges that he has satisfied himself as to the nature and location of the work, the general and local conditions, particularly those bearing upon availability of transportation; disposal, handling and storage of materials; availability of labor, water, electric power, roads; disposal of water from construction; uncertainties of weather; the conformation and conditions at the ground; the type of equipment and facilities needed preliminary to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this Contract.

B. The CONTRACTOR further acknowledges that he has satisfied himself as to the character, quality, and quantity of surface and subsurface materials to be encountered from inspecting the site, making whatever site investigations he deems diligent or prudent, and from evaluating information derived from exploratory work that may have been done by the City of Doral or included with these Contract Documents. Any failure by the CONTRACTOR to acquaint himself with all the available information will not relieve him from responsibility for properly estimating the difficulty or cost thereof under this Contract.

C. The CONTRACTOR acknowledges that by personal field observation or other means satisfactory to himself, performed prior to the Bid, he has included in the prices bid all costs for dealing with all construction problems created by observable above or on grade features on or adjacent to the site of the work whether or not these features are shown on the Plans or described in the Specifications. In instances where the observable features indicate subsurface conditions which may affect the Project work, as for example, a pavement patch or catch basin gratings indicating respectively a utility or storm sewer not shown on the Plans, the CONTRACTOR acknowledges that he has made timely, diligent, inquiry of the Engineer or by other means fully satisfied himself prior to the Bid as to the nature of, and costs created by, the subsurface condition and included all costs therefore in the prices bid.

8.28.2 Information On Site Conditions

A. All information obtained by the City of Doral regarding the site conditions, topography, subsurface information, ground water elevations, existing construction of site facilities as applicable, and similar data will be available for inspection at the office of the Engineer upon request. Such information is offered as supplementary information only. Neither the Engineer nor the City of Doral assumes any responsibility for the completeness or for the CONTRACTOR's interpretation of such supplementary information. Prior to bidding and after written approval from the City of Doral, bidder may make his own survey investigations to satisfy himself with site conditions at his own cost.

8.28.3 Subsurface Information

A. Subsurface investigations, including test borings, have been made to indicate subsurface conditions at particular locations. All information regarding subsurface conditions and all available soil samples recovered from test borings at the project site that the City of Doral may have, may be examined by all prospective bidders prior to the receipt of proposals. Appointment for the examination of such information or soil samples shall be made with the City of Doral.

8.28.4 Boring Log

A. A log of test borings showing a record of the data obtained on subsurface conditions is included in the Contract Documents as an Appendix and is for reference only. All such information was prepared for the information of the City of Doral's engineers only for design purposes and is not to be considered as a part of the Contract Documents.

8.28.5 Bidders Subsurface Investigation

A. Prospective bidders are advised, at their own expense, to make such subsurface investigation, by boring or test hole excavation, as may be desirable. However, such work is to be scheduled by appointment with the Engineer if on a City of Doral site or by notification to the City of Doral.

8.28.6 Differing Subsurface Conditions

A. In the event subsurface or latent physical conditions are found materially different from those indicated in these Documents and differing materially from those ordinarily encountered and generally recognized as inherent in the character of work covered in these Contract Documents, promptly, and before such conditions are disturbed, notify the Engineer in writing of such changed conditions.

B. The Engineer and/or the Engineer of Record will investigate such conditions promptly and following this investigation, the CONTRACTOR shall proceed with the work, unless otherwise instructed by the Engineer. If the Engineer and/or the Engineer of Record find that such conditions do so materially differ as to cause an increase or decrease in cost and time considered reasonable by the Engineer, the City of Doral will make the final decision regarding any adjustment in cost or time for completion.

C. In the event that site conditions differ from those expected by the CONTRACTOR, the CONTRACTOR shall proceed to complete the work as contemplated by the Plans and Specifications at his own cost and expense. If in the discretion of the Engineer, the difference in site conditions renders completion of the work as described by the Plans and Specifications impossible, the Engineer may alter the work, in accordance with Section 3 of the General Covenants and Conditions, whereupon the CONTRACTOR shall be compensated for any extra work pursuant to Section 13 of the General Covenants and Conditions; the Engineer shall not alter the work where the site conditions render the work more difficult or costly to perform, if such work is otherwise still possible as described in the Contract Documents.

8.28.7 Existing Utilities And Location Services

A. Known utilities and structures adjacent to or encountered in the work are shown on the Drawings. The locations shown are taken from existing records and the best information available from existing plans; however, it is expected that there may be some discrepancies and omissions in the locations and quantities of utilities and structures shown. Those shown are for the convenience of the CONTRACTOR only, and no responsibility is assumed by the City of Doral, the Engineer, and/or the Engineer of Record for their accuracy or completeness.

No request for additional compensation or Contract time (except for a non-compensable time extension at the sole discretion of the Engineer, whose decision shall be final) resulting from encountering utilities or structures not shown, or differing in location or elevation from that shown, will be considered. The CONTRACTOR shall explore sufficiently ahead of the Work to allow time for any necessary adjustments without delay to the progress of the installation. Costs due to delays occasioned by encountering underground utilities or structures which could have or should have been discovered by timely exploration ahead of the Work shall rest solely with the CONTRACTOR.

8.28.8 Contractor's Responsibility For Utility Properties And Service

A. Where the CONTRACTOR's operation could cause damage or inconvenience to railway, telephone, fiber optic, television, electrical power, oil, gas, water, sewer, irrigation system, or any other utility, the CONTRACTOR shall make all arrangements necessary for the protection of these utilities and services.

B. Notify all utility companies that are affected by the construction operation at least 48 hours in advance. Under no circumstance expose any utility without first obtaining permission from the appropriate agency. Once permission has been granted, locate, expose, and provide temporary support for all existing underground utilities and utility poles where necessary. **Absolutely no extra compensation will be allowed for construction problems created by utility poles of whatever size, overhead electric, telephone or other lines, whether shown on the Plans or not. The CONTRACTOR is solely responsible for discerning such items in the field prior to bidding and including all costs for such work in the prices bid.**

C. The CONTRACTOR and his Subcontractors shall be solely and directly responsible to the Owner and operators of such properties for any damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of any injuries or damage which may result from the construction operations under this Contract.

D. Neither the City of Doral nor its officers or agents shall be responsible to the CONTRACTOR for damages as a result of the CONTRACTOR's failure to protect utilities encountered in the work.

E. In the event of interruption to domestic water, sewer, storm drain, or other utility services as a result of accidental breakage due to construction operations, promptly notify the proper authority. Cooperate with said authority in restoration of service as promptly as possible and bear all costs of repair. In no event shall interruption of any utility service be allowed unless granted by the Owner of the utility.

F. In the event water service lines that interfere with trenching are encountered, the CONTRACTOR may, by obtaining prior approval of the water utility, cut the service, dig through, and restore the service with similar and equal materials at the CONTRACTOR's expense and as approved by the Engineer.

G. Replace, with material approved by the Engineer, at CONTRACTOR's expense, any and all other laterals, existing utilities or structures removed or damaged during construction, unless otherwise provided for in these Contract Documents and as approved by the Engineer.

8.28.9 Interfering Structures

A. Take necessary precautions to prevent damage to existing structures whether on the surface, above ground, or underground. An attempt has been made to show major structures on the Drawings. While the information has been compiled from the best available sources, its completeness and accuracy cannot be guaranteed, and is presented as a guide. The CONTRACTOR is solely responsible for field verification of all locations and information provided and to determine the type, location, elevation and extent of any utilities which may not have been shown on the Plans.

8.28. 10 Field Relocation

A. During the process of construction, it is expected that minor relocations of the work may be necessary. Such relocations shall be made only by the direction of the Engineer at the CONTRACTOR's expense. If existing structures are encountered that will prevent construction as shown, notify the Engineer before continuing with the work in order that the Engineer may make such field revisions as necessary to avoid conflict with the existing structures. If the CONTRACTOR fails to notify the Engineer when an existing structure is encountered, and proceeds with the work despite this interference, the CONTRACTOR does so at his own risk.

8.29 Land For Construction Purposes

A. The CONTRACTOR shall limit his operations, temporary facilities and storage of equipment and materials to on-site areas to be designated by the Engineer. No stringing of pipe is allowed along the pipe route except during the evening construction hours for the pipe to be installed that workday/night.

B. Should the CONTRACTOR require additional space he shall make his own arrangements for storage of materials and equipment in locations off the construction site. For the allocated space, submit to the Engineer for approval, proposed plan and layout for all temporary sanitary facilities, offices, storage facilities, temporary water service and distribution, and temporary power service and distribution. Prior to commencing any new construction remove, relocate and protect where necessary all existing underground and above ground facilities, pipelines, utility systems, plantings and all other existing installations. All of these existing features shall be restored to their initial or better than initial conditions.

8.30 Elevations And Locations Of Existing Installations

A. The elevations and locations of existing installations, including piping, equipment, etc., shown on the Plans are approximate. Be responsible for verifying the accuracy of these locations and elevations prior to commencement of any work which is to be connected to the existing installation and immediately bring to the attention of the Engineer any and all discrepancies discovered.

B. **The CONTRACTOR shall verify these locations and elevations sufficiently ahead of the Work to allow time for any necessary adjustments without delay to the progress of the installation. Costs due to**

delays occasioned by locations and/or elevations differing from those shown on the Plans which could have or should have been discovered by timely verification ahead of the Work shall rest solely with the CONTRACTOR. No request for additional compensation or Contract time (except for a non-compensable time extension at the sole discretion of the Engineer, whose decision shall be final) resulting from encountering interfering installations not shown, or existing installations differing in location or elevation from that shown, will be considered.

END OF SECTION

SECTION 00900
ENVIRONMENTAL PROTECTION AND SPECIAL CONTROLS

PART 900 - G E N E R A L

900.1 SUMMARY

A. Section Includes:

1. Minimizing the pollution of air, water, or land; control of noise, the disposal of solid waste materials, and protection of deposits of historical or archaeological interest.

B. Related Specification Sections include but are not necessarily limited to:

1. Division 00 - Front Ends Documents.
2. Division 01 - General Requirements.

900.2 SUBMITTALS

A. Shop Drawings:

1. See Specification Section 01340 for requirements for the mechanics and administration of the submittal process.
2. Prior to the start of any construction activities submit:
   a. A detailed proposal of all methods of control and preventive measures to be utilized for environmental protection.
   b. A drawing of the work area, haul routes, storage areas, access routes and current land conditions including trees and vegetation.
   c. A copy of the NPDES permit for storm water discharges from construction activities.
   d. A copy of the approved pollution prevention plan.

PART 900.3 - P R O D U C T S – (NOT APPLICABLE TO THIS SPECIFICATION SECTION)

PART 900.4 - E X E C U T I O N

900.4.1 INSTALLATION

A. Employ and utilize environmental protection methods, obtain all necessary permits, and fully observe all local, state, and federal regulations including {__}.

B. Land Protection:

1. Except for any work or storage area and access routes specifically assigned for the use of the CONTRACTOR, the land areas outside the limits of construction shall be preserved in their present condition.
   a. CONTRACTOR shall confine his construction activities to areas defined for work within the Contract Documents.
2. Manage and control all borrow areas, work or storage areas, access routes and embankments to prevent sediment from entering nearby water or land adjacent to the work site.
3. Restore all disturbed areas including borrow and haul areas and establish permanent type of locally adaptable vegetative cover.
4. Unless earthwork is immediately paved or surfaced, protect all side slopes and backslopes immediately upon completion of final grading.

5. Plan and execute earthwork in a manner to minimize duration of exposure of unprotected soils.

6. Except for areas designated by the Contract Documents to be cleared and grubbed, the CONTRACTOR shall not deface, injure or destroy trees and vegetation, nor remove, cut, or disturb them without approval of the Engineer.

a. Any damage caused by the CONTRACTOR's equipment or operations shall be restored as nearly as possible to its original condition at the CONTRACTOR's expense.

C. Surface Water Protection:

1. Utilize, as necessary, erosion control methods to protect side and backslopes, minimize and the discharge of sediment to the surface water leaving the construction site as soon as rough grading is complete.

a. These controls shall be maintained until the site is ready for final grading and landscaping or until they are no longer warranted, and concurrence is received from the Engineer.

b. Physically retard the rate and volume of run-on and runoff by:

1) Implementing structural practices such as diversion swales, terraces, straw bales, silt fences, berms, storm drain inlet protection, rocked outlet protection, sediment traps and temporary basins.

2) Implementing vegetative practices such as temporary seeding, permanent seeding, mulching, sod stabilization, vegetative buffers, hydroseeding, anchored erosion control blankets, sodding, vegetated swales or a combination of these methods.

3) Providing Construction sites with graveled or rocked access entrance and exit drives and parking areas to reduce the tracking of sediment onto public or private roads.

2. Discharges from the construction site shall not contain pollutants at concentrations that produce objectionable films, colors, turbidity, deposits or noxious odors in the receiving stream or waterway.

D. Solid Waste Disposal:

1. Collect solid waste on a daily basis.

2. Provide disposal of degradable solid waste to an approved solid waste disposal site.

3. Provide disposal of nondegradable solid waste to an approved solid waste disposal site or in an alternate manner approved by Engineer and regulatory agencies.

4. No building materials wastes, or unused building materials shall be buried, dumped, or disposed of on the site.

E. Fuel and Chemical Handling:

1. Store and dispose of chemical wastes in a manner approved by regulatory agencies.

2. Take special measures to prevent chemicals, fuels, oils, greases, herbicides, and insecticides from entering drainage ways.

3. Do not allow water used in onsite material processing, concrete curing, cleanup, and other waste waters to enter a drainage way(s) or stream.

4. The CONTRACTOR shall provide containment around fueling and chemical storage areas to ensure that spills in these areas do not reach waters of the state.

F. Control of Dust:

1. The control of dust shall mean that no construction activity shall take place without applying all such reasonable measures as may be required to prevent particulate matter from becoming airborne so that it remains visible beyond the limits of construction.

a. Reasonable measures may include paving, frequent road cleaning, planting vegetative

groundcover, application of water or application of chemical dust suppressants.

b. The use of chemical agents such as calcium chloride must be approved by the State of Florida DOT.

2. Utilize methods and practices of construction to eliminate dust in full observance of agency regulations.

3. The Engineer will determine the effectiveness of the dust control program and may request the CONTRACTOR to provide additional
measures, at no additional cost to Owner.

G. Burning:

1. Do not burn material on the site.

2. If the CONTRACTOR elects to dispose of waste materials by burning, decide for an off-site burning area and conform to all agency regulations.

H. Control of Noise:

1. Control noise by fitting equipment with appropriate mufflers.

I. Completion of Work:

1. Upon completion of work, leave area in a clean, natural looking condition.

2. Ensure all signs of temporary construction and activities incidental to construction of required permanent work are removed.

J. Historical Protection:

1. If during the course of construction, evidence of deposits of historical or archaeological interests is found, cease work affecting find and notify Engineer.

a. Do not disturb deposits until written notice from Engineer is given to proceed.

2. The CONTRACTOR will be compensated for lost time or changes in construction to avoid the find based upon normal change order procedures.

END OF SECTION

SECTION 00910
EXCAVATION/TRENCH STABLIZATION/TRENCH OVERCUT/COMPACTED BACKFILL

910.1 EXCAVATION

A. The CONTRACTOR shall remove and replace, where required, all existing shrubbery, trees, grass, sprinklers, fences, signs, mailboxes, structures, roadways, sidewalks, curbs and similar items or structures in the way of the pipeline and shall make all excavation necessary for the construction of the connections to the lines and grades shown on the Drawings. Weeded areas shall be restored to their original condition in an acceptable manner. Where pavements or sidewalks are cut, they shall be cut by means of a mechanical pavement saw to form true and straight edges which shall in general be either parallel or at right angles with the centerline of the pipe. Unless specific bid items are provided in the Proposal form, the cost of removing and replacing any plantings or existing structures shall be included in the price bid for pipes, structures, and concrete appurtenances. In order to protect CONTRACTOR from being held liable for any existing damaged pavement, including detour routes, the CONTRACTOR is advised to notify in writing the authority having jurisdiction over the street where such defective pavement exists prior to proceeding with any work in the vicinity. A copy of all such notices shall be forwarded to the Engineer.

B. All cleared materials shall be promptly removed from the work area and disposed of in an area provided by the CONTRACTOR, at no additional cost to City. Accumulation of debris or stockpiling along the route of the work will not be allowed.

C. The CONTRACTOR shall excavate solid pipe trenches to a minimum of six inches below the outside bottom of the proposed pipe barrel to provide for the installation of the bedding material or as dictated by design drawings; whichever is more stringent.

D. Not more than 100 feet of trench shall be opened ahead of pipe laying operations at one time unless a greater length of open trench is approved by the Engineer.

E. If, in the opinion of the Engineer, the soil at that depth is unsatisfactory as foundation material because it contains marl, muck, organic matter, or other unsuitable material, the excavation shall be continued two (2) feet deeper, except if a suitable foundation material is exposed at a lesser depth, further excavation will not be required. The cost of this extra excavation, and backfilling with select backfill material, shall be included in the price for pipe laying and no additional payment will be made for this work.

F. If the soil is still unsuitable after the additional excavation as prescribed above, and the Engineer authorizes "Overcut", the trench bottom shall be excavated further in one-foot increments and paid for as "Trench Overcut". See Section 910.3, "Trench Overcut".

G. Trench widths; Refer to Plans provided and as details shown.

H. For excavations five (5) feet deep or less, sheeting and shoring shall be installed where necessary to control trench width, protect the workmen and the general public, and prevent damage to this or adjacent work, or structures. When an excavation is in excess of five (5) feet deep, the

CONTRACTOR shall comply with the provisions of the State of Florida "Trench Safety Act". Method(s) of compliance used shall protect the workmen and the general public, prevent damage to this or adjacent work, structures, utilities, pavements, sidewalks, curbs, gutters and similar improvements both public and private, and provide for proper maintenance of traffic. The trench width may vary to accomplish this and to comply with the Trench Safety Act, but only from a point one (1) foot above the top of the pipe.

I. Where wood sheeting or certain designs of steel sheeting are used, the City may require that the sheeting be cut off at a level two (2) feet above the top of the installed pipe and that portion below that level be left in place. If ordered left in place, sheeting and shoring shall be paid for under the appropriate Proposal Item.

J. If interlocking steel sheeting is used, the City may permit its complete removal in lieu of the cut-off, providing removal can be accomplished without disturbing the bedding, pipe or pipe alignment. Any damage to the pipe bedding, pipe or pipe alignment shall be cause for rejection of the affected portion of the work.

K. A substantially and safely constructed moveable shield or box, as approved by the Engineer, may be used in place of sheeting when the trench is opened immediately behind the shield as pipe laying proceeds inside the shield. All construction in conjunction with using such a shield must be as approved by the Engineer, including excavation, installation of pipe and backfilling and compaction.

L. Excavation for other piping and appurtenances shall be sufficient to leave at least 12 inches clear between their outer surfaces and the embankment or sheeting that may be used to protect them.

M. Materials removed from the trenches shall be stored and disposed of in such a manner that they will not interfere unduly with traffic on public streets and sidewalks and they shall not be placed on private property. In congested areas, such materials cannot be stored adjacent to the trench or used immediately as backfill; these materials shall be removed to convenient places of storage. If any material is creating a public hazard or other unsafe condition, in the opinion of the Engineer, it shall be removed immediately by the CONTRACTOR to a storage area at no cost to the City.

N. The trench wall shall be kept at a stable angle of repose to maintain trench widths within the limits hereinafter specified or shown on the Drawings.

O. The trench, when in rock, shall be excavated to a width within the limits of the top of the pipe and the trench bottom so as to provide a clearance on each side of the pipe barrel, measured to the face of the excavation, of 12 inches. Rock or removal in the excavation shall be considered a part of the excavation and as such no additional payment shall be made, therefore. Where excavation is in silt, the width of trench bottom shall be pipe O.D. plus 2- feet with the trench walls being kept at a stable angle of repose. All pipe trenches shall be excavated to a level at least 12 inches below the outside bottom of the proposed pipe barrel.

P. The CONTRACTOR shall perform all excavation of every description and of whatever substances encountered, to the dimensions and depth shown on the Drawings, or as directed by the Engineer. All excavations shall be made by open cut. Any existing utilities such as pipes, cables, etc., shall be

carefully supported and protected from damage, and in case of damage, they shall be restored at no cost to the City.

Q. The CONTRACTOR shall temporarily store excavated material suitable for backfill in full compliance with the provisions of the permits. All mud, silt, debris and other material unsuitable for backfilling the trench shall be removed and legally disposed of offsite by the CONTRACTOR. The CONTRACTOR shall make his own arrangements regarding stock piling of excavated suitable material and storage and assembly space to properly and safely carry out the construction. Any agreements entered into by the CONTRACTOR and property Owners shall hold the City harmless. Storage of excavated material shall not cause environmental problems and shall be performed at no additional cost to the City.

910.2 TRENCH STABALIZATION

A. No claim for extras or additional payment will be considered for cost incurred in the stabilization of trench bottoms which are rendered soft or unstable as a result of construction methods, such as improper or inadequate sheeting, dewatering or other causes. In no event shall pipe be installed when such conditions exist, and the CONTRACTOR shall correct such conditions to provide proper bedding or foundations for the proposed installation at no additional cost to the City.

910.3 TRENCH OVERCUT

A. Trench Overcut provisions herein shall be used only under direct authorization by the Engineer. Since the amount of trench overcut that may be required is usually unknown until the actual work begins, trench overcut may be established in the Proposal on a contingent basis. A Contingent Item may or may not be used at the option of the City, and any provisions contained within the Contract Documents for quantity overruns or underruns will not be applicable.

B. If, after excavating the trench to a depth of 2 feet 6 inches below the outside bottom elevation of the proposed pipe barrel, and the soil at that depth is still unsatisfactory as foundation material because it contains marl, muck, organic matter, or other unsuitable material, and the Engineer authorizes overcut, the pipe trench shall be excavated further in one-foot increments until either a suitable foundation material is found, or the CONTRACTOR is directed by the Engineer to stop trench overcut operation and begin backfilling. In no case will trench overcut be more than 6 feet in depth, i.e., to a point 8.5 feet below the bottom of the pipe.

B. Selected backfill, as defined in Section 910.4, "Compacted Backfill", shall then be compacted in 6-inch layers up to the bottom of the proposed 6 inches of pipe bedding.

910.4 COMPACTEDBACKFILL

A. When mains are to be installed within existing street areas, the CONTRACTOR shall limit the amount of ditch open at any one time to one block (approximately 600 feet). The work in each block including excavation, pipe laying, backfilling, compaction and temporary paving, shall be completed before proceeding with the work in the next block. The CONTRACTOR may employ

more than one installation crew on the Project, but not less than 1,200 feet shall separate any two open trench sections.

B. **Backfilling and compaction shall be kept up with the rate of pipe laying. Backfill consisting of the specified material shall be placed and properly compacted, to the degree specified hereinafter. Unless otherwise ordered or approved by the Engineer, in writing, no temporary fill, refill, or uncompacted fill shall be installed. Under no circumstances shall backfill material other than that specified or an approved equal be installed. Backfill shall be placed and compacted immediately after installation of piping.**

C. **Backfill Material**: Shall be clean and free from all organic material, clay, marl or unstable materials, debris, lumps or broken paving. No rocks or stones larger than 6 inches in diameter shall be allowed in any backfill. Material for backfill may be material resulting from trench excavation, if suitable in the opinion of the Engineer.

D. **Select Backfill Material**: Specified in these Specifications or required by the Drawings shall meet all of the general requirements for backfill material set forth above, and, in addition, shall be free of any rocks or stones larger than 2 inches in diameter. Select backfill material may be material resulting from trench excavation, if suitable in the opinion of the Engineer, carefully selected to comply with these requirements.

E. Backfilling and compaction of trenches will not be allowed until the work has been inspected by the Engineer, and the Engineer indicates that backfilling and compaction may proceed. Any work covered up or concealed without the knowledge or consent of the Engineer may be required to be uncovered or exposed at no cost to the Department.

F. The CONTRACTOR shall backfill and compact all trenches and other excavations made in the process of installing the pipe. The cost of all backfilling and compaction shall be included in the price bid under the various Items. The CONTRACTOR shall maintain the surface of the backfill free from major irregularities and potholes. Backfill to a point at least one foot above the pipe shall be select backfill material not exceeding 2 inches in diameter. Above this point, backfill shall be of material not exceeding 6 inches in diameter.

G. Backfilling and compacting of material under and around the pipe and to one foot above the crown shall be in layers not exceeding 6 inches in thickness. Each layer shall be thoroughly compacted to at least 90 percent of maximum density as determined by AASHTO Standard No T-180-74, "Moisture-Density Relations of Soils using a 10-lb. (4.54 Kg.) Rammer and an 18 in. (457 mm) Drop." The material in the ditch may be compacted by either hand tamper or a mechanized power tamper, provided the results obtained meet the continued approval of the Engineer.

H. Backfilling and compacting of material lying above a point one foot above the crown of the pipe and

below the pavement base or the surface of the ground if out of pavement shall be accomplished in layers not exceeding 9 inches in thickness. Each layer shall be thoroughly compacted with a powered hand tamper or a mechanized power tamper to at least 98 percent of maximum density as determined by AASHTO Specification T-180-74 or such greater density as may be required by the governing authority over the area in which the work is performed.

I. Backfill and compaction shall be kept up with the rate of pipe laying. The backfill up to the spring line of the pipe shall be placed and compacted as soon as practical after the laying of the pipe.

J. On parts of the line where ground water level may be high enough to float the pipe, the placing of the backfill and the rate of pumping the trench shall be so controlled as to prevent the pipe from floating or moving from the line and grade shown on the Drawings.

K. In the event that sufficient suitable material is not available at any point to properly backfill the trench, the CONTRACTOR shall transport suitable material from points of the line where such material is available or shall otherwise furnish suitable material at no additional cost to the City.

L. Suitable material in excess of all backfill requirements shall be removed from the work and disposed of by the CONTRACTOR. The cost for removal shall be included in the overall Project cost bid.

M. Where cuts have been made through unpaved, stabilized rock roadways, driveways and parkways, surface restoration shall consist of 3 inches of compacted lime rock overlaid by 3 inches of gravel or graded and washed rock with a maximum diameter of 1/2-inch except as otherwise directed by the Engineer. The rock shall be installed over the entire width of the disturbed area and shall closely match the existing rock at each location. Several grades of rock may be required to attain this end, but it is not anticipated that more than one grade will have to be used at any one location. The cost for replacement of gravel or rock stabilized driveways and roadways shall be included in the overall Project cost bid unless a specific Bid Item is established in the Proposal.

N. Backfill material shall consist of the suitable excavated material being stored for this purpose. Backfill material placed within 1-foot of piping and appurtenances shall not contain any stones or rocks larger than 2 inches in diameter, and no stones or rocks larger than 6 inches in diameter will be permitted in any backfill. Backfill material containing mangrove muck or other unsuitable materials shall not be used.

O. During the backfilling operation, care shall be taken to preserve the alignment and gradient of the installed pipe.

END OF SECTION

SECTION 00915
CONCRETE DRIVEWAY, SIDEWALK, AND CURB & GUTTER REMOVAL & REPLACEMENT

Work covered under this Section covers the furnishing of all labor, equipment and material required for cutting, removing, protecting, and replacing all existing concrete driveways, sidewalks, and curb and gutter of the various types encountered, removed or damaged under this Contract.

General Requirements

A. CONTRACTOR shall be responsible for the protection from damage from his construction operations, all concrete driveways, sidewalk, and curb and gutter within the work area. If payment items are established in the Proposal for the removal and replacement of concrete driveway, sidewalk, and curb and gutter, payment will be made only if such items are encountered within the limits of the trench width plus 2 feet (shoulders) An concrete driveway, sidewalk, or curb and gutter beyond those limits, damaged as a result of the CONTRACTOR's operation, shall be restored in accordance with the applicable requirements of these Specifications, and to the satisfaction of the Engineer, at no additional cost to the City. In order to protect himself from being held liable for any existing damaged concrete driveways, sidewalks or curb and gutter, the CONTRACTOR is advised to notify in writing the authority having jurisdiction over the street where such damage exists prior to proceeding with any work in the vicinity. A copy of all such notices shall be forwarded to the Engineer.

B. No payment will be made for removal and replacement of concrete driveway, sidewalk, or curb and gutter which falls outside the above-described limits required for thrust blocks, and other appurtenant items, and the cost for such work shall be included in the price bid for the applicable item.

C. If payment items have not been established in the Proposal for the removal and replacement of concrete driveways, sidewalks, and curb and gutter, the cost for such work shall be included in the overall Project cost bid. No other compensation will be provided.

D. No form shall be set higher than the elevation of the adjacent concrete surface.

E. As used herein, "driveway" shall mean concrete driveway, and "curb and gutter" shall mean free standing curb, gutter, or combination curb and gutter.

F. All concrete shall be treated with a liquid curing compound, and in some cases, concrete colorant shall be required in order to match the color of the existing concrete being replaced. In each such case the curing compound, the colorant, and the color, shall meet with the approval of the Engineer and the municipality having jurisdiction over the work area. All additives to the concrete shall be applied in strict conformance with the recommendations of the manufacturer.

G. The CONTRACTOR shall provide adequate means to protect each driveway, sidewalk, and curb and gutter installation from damage from vandals, animals, weather or other causes, until the concrete is hard. Should damage occur from such causes, the CONTRACTOR shall remove and replace the damaged item at his own expense.

915.1 ConcreteDriveways

A. Concrete driveways, and sidewalks crossing driveways, shall be restored in full sections or blocks rather than trench width plus two feet (shoulders), if the original construction was divided into such sections or blocks. The existing driveway (or sidewalk) shall be cut with an abrasive disc saw to trim the edges to straight and true lines, with edges parallel and rectangular in plan. The interior concrete shall then be broken up and removed from the site.

B. Driveways, and sidewalks crossing driveways, shall be replaced with a concrete slab having a minimum thickness of 6 inches. Steel reinforcement is not required unless the existing driveway (or sidewalk) is so reinforced, in which case the replaced driveway shall also be reinforced to match the existing.

C. Such forms as are necessary shall be set up and the subgrade regarded for a slab 6 inches thick. The subgrade shall be thoroughly compacted and wet down prior to placing the concrete. The surface shall be given a surface and edging to match, as nearly as possible, that of the existing driveway (or sidewalk). The finish and edging shall be obtained through the use of screeds, trowels, edges and any other tool normally required by the trade in performing this kind of work.

D. All forms for driveways (or sidewalks) including those for expansion joints, shall be metal and shall be clean and well-oiled prior to placing concrete. The forms shall be set in place far enough in advance of concrete placing for the Engineer to check line and grade. Abrupt changes in line and grade will not be permitted, and forms shall be set to insure smooth curvature and alignment both vertically and horizontally. Forms shall be left in place for a minimum of 24 hours after concrete has been placed.

E. Replacement driveways (and sidewalks) shall match the elevation and alignment of existing driveways (and sidewalk) wherever a connection is made.

915.2 Sidewalks

A. Sidewalks shall be restored in full section rather than trench width plus 2 feet (shoulder).

B. Removal of existing sidewalk, installation of forms, preparation of subgrade, and the final finish shall be performed as specified hereinabove for driveways, except that the minimum thickness of the sidewalk shall be 4 inches thick.

915.3 Curband Gutter

A. Curb and gutter shall be restored in lengths equal to trench width plus 2 feet (shoulders), or 10 feet, whichever is greater, unless otherwise permitted or ordered by the Engineer.

END OF SECTION

SECTION 00920
CLEARING AND GRUBBING / LANDSCAPING / SITE CLEANLINESS

PART 1 GENERAL

1.01 WORK INCLUDED

A. Clear and grub the areas to be occupied by the facilities or utility systems to be constructed, including all areas to be excavated, filled, paved or planted as shown on the Plans and as specified herein.

1.02 DEFINITIONS

A. Clearing shall consist of the cutting, removal and disposal of all trees, stumps, brush, shrubs, rubbish and any other objectionable material within the designated areas.

B. Grubbing shall consist of the removal and disposal of all stumps larger than 1-1/2 inches in diameter and other objectionable material to a depth of at least 12 inches below the ground surface.

1.03 QUALITY ASSURANCE

A. In the course of the work, it may become necessary to remove trees if they interfere with the work. City of Doral and various municipalities have ordinances regulating the removal, relocation and pruning of trees in the public right-of-way; these ordinances shall be strictly adhered to. The CONTRACTOR shall obtain a permit from City of Doral, Miami-Dade County, Public Works and Waste Management County and/or other regulatory agencies having jurisdiction over the work area before removing, relocating and/or pruning any tree. The CONTRACTOR shall comply with all requirements and conditions of the permit at no additional cost to the City of Doral.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.01 CLEARING AND GRUBBING

A. The CONTRACTOR shall remove and replace, where required all existing shrubbery, trees, grass, sprinklers, fences, signs, mailboxes, structures, roadways, sidewalks, curbs and similar items or structures in the way of all excavation necessary for the construction of the Project.

3.02 PROTECTION OF ADJACENT AREAS

A. The CONTRACTOR shall protect areas shown on the Plans or designated by the Engineer to remain protected from damage by construction operations by erecting suitable barriers or other acceptable means.

3.03 DISPOSAL OF WASTE MATERIALS

A. All roots, vegetation and other refuse removed from the site during clearing and/or grubbing operations shall be legally disposed of by the CONTRACTOR. Burning of any material on site will not be permitted.

B. The CONTRACTOR shall provide the Engineer tickets indicating proof of legal disposal of unsuitable backfill material. If the unsuitable material has beneficial use, the transport destination needs to be reported to the Engineer. Payment for disposal of the unsuitable material shall not be made until the City of Doral has proof of legal disposal at a particular destination.

3.04 SOD/LANDSCAPING/MAINTENANCE

A. General: Existing plants, trees and grassed areas damaged or destroyed by the CONTRACTOR's operations shall be restored or replaced by the CONTRACTOR, at his expense to equal or better than original condition, and to the satisfaction of the Engineer.

B. Solid Sod and Landscaping:

1. Solid sod shall be planted in the unpaved areas abutting the structures and extending to the limits shown on the Drawings.

2. When solid sod is to be placed adjacent to or in close proximity to existing sod or grass, the CONTRACTOR is to use similar sod or grass and obtain approval from the Engineer prior to installation. In public areas and rights-of-way, the CONTRACTOR is also required to comply with Governmental Agency requirements and provide the City with written approval of said agency prior to installation of grass and sod.

3. All areas to be grass sodded shall first be leveled, and debris, rocks, and other undesirable matter removed. Topsoil shall then be placed to a minimum depth of 3", with all larger lumps broken up. The mixture shall be well worked and raked to a uniform surface and then hand tamped, or lightly rolled. The topsoil shall be moistened with water prior to placing sod.

4. The sod shall be placed with closely abutting joints and shall completely cover the disturbed areas. The top of the new sod shall coincide with the top of the existing grass. The sod shall be covered with a light top dressing of topsoil and shall then be thoroughly watered.

5. **The CONTRACTOR shall weed, clear debris, and collect trash (Every Two Weeks) until the Project is accepted by the City; however, the minimum period of this maintenance shall not be less than 365 days from acceptance date. Any portions of the green areas, inclusive of trees and palms, which die or appear to have succumbed to the shock of transplanting, before the acceptance by the City, or expiration of the minimum 365-day maintenance period, shall be replaced by the CONTRACTOR at his expense.**

6. Solid sod shall be certified bitter blue St. Augustine Floratam. The sod shall be firm touch texture having a compact growth of grass with good root development. It shall contain no weeds or other objectionable vegetation.

7. Where sodding is used in drainage ditches, the setting of the pieces shall be staggered to avoid

a continuous seam along the line of flow. Along the edges of such staggered areas, the offsets of individual strips shall not exceed 6-inches. In order to prevent erosion caused by vertical edges at the outer limits, the outer pieces of sod shall be tamped to produce a featheredge effect.

8. Sodding shall not be performed when weather and soil conditions are, in the Engineer of Record's opinion, unsuitable for proper results.

C. Watering:

The areas on which the sod is to be placed shall contain sufficient moisture, as determined by the Engineer, for optimum results. After being placed, the sod shall be kept in a moist condition to the full depth of the rooting zone for as long as the maintenance period described in Section 3.04, Item B, Number 5.

3.05 SITE CLEANLINESS

A. The CONTRACTOR shall at all times during the execution of this Contract keep the work site free and clear of all rubbish and debris. As soon as the work is completed, the accumulated rubbish or surplus materials shall be promptly removed. The CONTRACTOR shall also restore in an acceptable manner all property, both public and private, which has been displaced or damaged during the prosecution of the work and shall leave the site and vicinity unobstructed and in a neat and presentable condition.

B. In the event of delay exceeding two days after written notice is given to the CONTRACTOR by the Engineer to remove such rubbish or materials or to restore displaced or damaged property, the Engineer may employ such labor and equipment as he may deem necessary for the purpose, and the cost of such work, together with the cost of supervision, shall be charged to the CONTRACTOR and shall be deducted from any monies due him. The Project shall not be considered as having been completed until all rubbish and surplus materials have been removed

END OF SECTION

SECTION 00925
CONTAMINATED SOIL/GROUNDWATER

PART 1 - GENERAL

A. The purpose of this section is to provide basic guidelines for properly working (i.e., excavation, handling, transportation, disposal, etc.) with contaminated soil/groundwater during construction and/or any other activities that require the excavation of soil and/or exposure of groundwater, to prevent negative environmental impacts such as cross contamination, spreading out existing contamination that is already contained, etc. All excavation shall be conducted in accordance with the contract and construction documents. The contractors and all subcontractors shall comply with all applicable federal, state and local environmental laws and regulations including but not limited to US Environmental Protection Agency (EPA), Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD) and Miami-Dade County Department of Environmental Resources Management (DERM).

PART 2 - CLASSIFICATIONS

A. For the purpose of these specifications the following classifications are used:

1. Clean Fill Soils: These soils meet the DERM defined clean fill criteria and can be reused anywhere without restrictions.
2. Residential Soils: These soils meet the DERM defined residential criteria and upon DERM approval can be reused on site without tracking requirements.
3. Industrial Soils: These soils meet the DERM defined industrial criteria and upon DERM approval can be reused. These soils require tracking from origin to final disposition.
4. Environmentally Non-Reusable Soils (ENR): These soils exceed the DERM defined industrial or the Federal hazardous levels and cannot be reused on site. These soils require proper disposal offsite.
5. Suspect Soils: Soils from any area pre-designated by DERM as an area where the requirements of this Standard Technical Specification shall be implemented, pursuant to the results of the pre-construction assessment or designated during field activities by City of Doral/Miami Dade County or its designated representatives.

PART 3 HEALTH AND SAFETY

A. The contractors and all subcontractors working with contaminated soil/groundwater shall conform to all applicable laws, regulations, and guidelines such as, but not limited to, EPA Hazardous Waste Operations and Emergency Response (HAZWOPER), US Occupational Safety and Health Agency (OSHA) and National Institute of Occupational Safety and Health (NIOSH).

PART 4 CONSTRUCTION METHODS

4.01 CONTAMINATED SOIL/ GROUNDWATER DETECTION

A. If contaminated groundwater, visible stains in the soil, free floating product, sheen on groundwater, or odor in soil/groundwater are detected during the normal course of construction activities, the Contractor shall immediately:

1. Notify the Architect/Engineer (A/E).
2. Notify the City of Doral
3. Notify DERM at (305) 372-6789.
4. Proceed with the work in accordance to the contract and construction documents and the provisions of these guidelines. To avoid miscommunication, any directives from City of Doral and/or DERM shall be given through the A/E to the Contractor.

4.02 STOCKPILING OF SUSPECTED AND ENR SOIL

A. Prior to the excavation of suspected and ENR soil, the Contractor shall prepare a suitable area previously approved by the A/E Firm for stockpiling such soil in accordance with the contract and construction documents. The Contractor shall take due care during the stockpiling operation to prevent the spread of any further contamination. The stockpile shall not exceed twelve (12) feet in height. The Contractor shall regularly inspect the stockpile area and restore its protection membranes to their original required condition and maintain them throughout the entire construction contract period.

After the Contractor has safely completed the stockpiling, (A/E Firm) shall collect soil samples (by volume) from the stockpile and send the samples to a laboratory certified by Miami Dade County and the State of Florida to be analyzed for applicable environmental criteria. Once a stockpile has been sampled, it cannot be altered in any way. Therefore, the (A/E Firm) shall mark the stockpile with a yellow flag, indicating that the final disposition of the stockpile is pending the analytical results from the laboratory. Once the analytical results are available, DERM shall determine the final disposition of the soil. If according to the analytical results, DERM determines that the soil can be reused on site, (A/E Firm) shall remove the yellow flag and replace it with a green flag, indicating that the stockpile has been approved for reuse on site. If according to the analytical results, DERM determines that the soil cannot be reused and therefore it must be properly disposed of, (A/E Firm) shall remove the yellow flag and replace it with a red flag, indicating that the stockpile cannot be reused. Unless otherwise specified by the (A/E Firm), the Contractor shall handle, transport and properly dispose of all ENR soils.

Prior to the excavation of suspected soil, the Contractor shall prepare a suitable area (previously approved by the A/E) for stockpiling soil on an impervious surface, away from any drainage and/or active utility structures. If an impervious surface is not available, the Contractor shall create it by laying down two (2) layers of polyethylene film (each a minimum of four (4) mils thick) on a flat horizontal surface with a twelve (12) inch high berm around its perimeter. The stockpile area shall be free of any sharp materials and debris that could accidentally puncture the polyethylene film. The area selected for stockpiling must be free from water ponding. Once the stockpile is completed, a single layer of the same polyethylene film material shall be placed over the stockpile and secured properly. Rainwater must be directed outside the berm-contained area. Any rainwater collected inside the berm-contained area, must be collected, stored and treated as directed by the A/E. Continued inspection of the stockpile area is required to ensure the polyethylene film is intact and secure and to maintain proper drainage and drainage collection as stated herein.

4.03 TRANSPORTATION/ HAULING OF SOIL

A. The Contractor shall transport the ENR soil in accordance with all applicable laws and regulations. Haulers shall be certified to transport the soil as classified.

4.04 DISPOSAL OF NON-HAZARDOUS SOIL AT LANDFILL

A. If the soil is to be disposed of in a landfill, the Contractor shall dispose of all non-hazardous soils in an approved landfill licensed to handle the soil as classified. The Contractor shall conduct disposal activities in accordance with all applicable laws and regulations.

4.05 INCINERATION OF SOIL

A. If the soil is to be incinerated, the Contractor shall transport the soil to a certified incineration facility licensed to handle the soil as classified. The Contractor shall conduct the transportation and handling activities in accordance with all applicable laws and regulations.

4.06 DISPOSAL OF HAZARDOUS SOIL

A. If soil is classified as hazardous, the Contractor shall prepare, transport and dispose of the soil in accordance with all applicable laws and regulations such as, but not limited to, the Code of Federal Regulations (CFR), EPA, FDEP, DERM, etc., at a licensed hazardous material disposal facility.

4.07 REMOVAL/DISPOSAL OF FREE-FLOATING HYDROCARBON PRODUCT (FFHP)

A. Contractor shall remove/dispose of FFHP and/or sheen in accordance with all applicable laws and regulations.

4.08 TRANSPORTATION/DISPOSAL MANIFESTS

A. The Contractor shall provide copies of all the manifests for the proper transportation/disposal of contaminated soil and/or free-floating product to the A/E and the City of Doral.

4.09 DEWATERING/TREATMENT OF CONTAMINATED DEWATERING GROUNDWATER

A. City of Doral encourages, whenever possible, that construction activities be carried out in the wet. If dewatering in areas of groundwater contamination is absolutely necessary for construction purposes, the Contractor shall apply for and obtain the dewatering permit(s) from the appropriate regulatory agencies. Once the permit(s) has(have) been obtained, the Contractor shall comply with all the permit conditions during the entire course of the dewatering activities. If the permit(s) expire(s) before the dewatering activities are completed, the Contractor shall obtain a permit renewal within the stipulated time frame. The Monthly Pumpage Report required by the dewatering permit shall be submitted to the City of Doral no later than the 5th day of the following month.

4.10 SUBMITTALS

A. The Contractor shall submit information and samples to the City for review as follows. The information shall include:

1. Detailed description of the proposed methods for temporary stockpiling, transportation, and disposal of all contaminated soils and groundwater.
2. Copies of permits for all disposal facilities.
3. Copies of all manifest and documentation for handling and disposing of all contaminated soil and groundwater in full compliance with local, state and federal requirements. This documentation must be provided prior to requesting payment under this Bid item.
4. Copies of all laboratory analyses required for transportation and disposal of all contaminated soils and groundwater in full compliance with local, state and federal requirements.
5. Names, addresses and contact numbers of all subcontractors.
6. Copy of Contractor's Health and Safety Plan and training certificates of personnel who will be handling the contaminated material in accordance with OSHA requirements.

PART 5 MEASUREMENT AND PAYMENT

A. Dedicated Allowance as determined by (A/E Firm)

END OF SECTION

SECTION 00930
SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

PART 1 GENERAL

1.01 SCOPE OF WORK

A. Before proceeding with the erection of the construction plan, including the setting or placing thereof, and the erection of other temporary structures, the CONTRACTOR shall furnish the Engineer with such information and plans as CITY may require.

B. Shop Drawings shall be submitted prior to any project construction activity. In a timely fashion, well before the contemplated ordering for fabrication of special or- der or long-lead items or construction use of any standard element of the work, the CONTRACTOR shall furnish Shop Drawings for the review and approval of CITY.

C. It is the CONTRACTOR's sole responsibility, upon the first occasion of submittal of a particular element of the work, to submit Shop Drawings of an element which match and fulfill the requirements and intent of the Plans and Specifications. Any delays or costs caused, either directly or indirectly, by non-timely submissions; submission of items differing significantly from the intent of the Plans and/or Specifications; repeated submission of, or argument over, rejected elements or changes required for acceptance; arguments with the criteria or requirements of the Plans or Specifications; or any other such similar activities shall be at the expense of the CONTRACTOR.

D. It is the intent of the Contract Documents that the CONTRACTOR shall, in the first in- stance, submit Shop Drawings of elements which meet or exceed the requirements of the Contract Documents and fit with the other elements of the work and the existing conditions. Activities such as those mentioned in Article 1.01 C, which are inimical to this intent will not be tolerated and may, at the sole discretion of the Engineer, subject the CONTRACTOR to costs for any delays, costs, damages or penal- ties suffered by the CITY due to such activities to include but not be limited to; extra engineering and overhead costs together with any liquidated or actual dam- ages.

1.02 DESCRIPTION OF WORK

A. Submit to the Engineer for review and approval, Shop Drawings, test reports and data on materials, equipment, and material samples as required for the proper control of work, and as specified in the Specification sections. Shop Drawings shall be submitted for all materials and equipment to be furnished.

B. Within twenty calendar days after the effective date of the Contract, submit to the Engineer a complete list of preliminary data on items for which Shop Drawings are to be submitted. Included in this list shall be the names of all proposed manufacturers furnishing specified items. Review of this list by the Engineer shall in no way expressed or implied relieve the CONTRACTOR from submitting complete Shop Drawings and providing materials, equipment, etc., fully in accordance with the Specifications. This procedure is required in order to expedite final review of Shop Drawings.

C. Maintain an accurate updated Shop Drawing submittal log which shall include the following items:

1. Submittal Description and Number Assigned
2. Specification Section
3. Plans Sheet Number
4. Date to Engineer
5. Date Returned to CONTRACTOR (from Engineer)
6. Status of Submittal (Approved, Approved as Noted, Rejected/Resubmit)
7. Date of Resubmittal and Return (as Applicable)
8. Date Material Release (for Fabrication)
9. Projected Date of Fabrication
10. Projected Date of Delivery to Site
11. Status of O & M Manuals Submittal

1.03 CONTRACTOR'S RESPONSIBILITY

A. Furnish the Engineer with a schedule of Shop Drawings submittals, fixing the respective dates for the submission of Shop Drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment. This schedule shall indicate those that are critical to the progress schedule.

B. Submit to the Engineer all plans and schedules sufficiently in advance of construction requirements to provide maximum time for checking and appropriate action from the time the Engineer receive them.

C. It is the duty of the CONTRACTOR to check and approve all plans, data and samples prepared by or for him before submitting them to the Engineer for review. Each and every copy of the Plans and data shall bear CONTRACTOR's stamp showing that they have been checked and approved. Shop Drawings submitted to the Engineer without the CONTRACTOR's stamp and approval shall be returned to the CONTRACTOR for conformance with this requirement before Engineer's review. **Shop Drawings shall indicate any deviations in the submittal from requirements of the Project Documents and the CONTRACTOR shall state the reason why a deviation is required.**

D. All submittals shall be accompanied by a transmittal letter prepared in duplicate containing the following information:

1. Date
2. Project Title and Number
3. CONTRACTOR's name and address
4. The number of each Shop Drawing, Data, and Sample submitted
5. Notification of Deviations from Project Documents
6. Submittal Log Number conforming to and referring to Specification Section Numbers.

Submit three copies of Shop Drawings and of descriptive or product data submittals necessary to complement Shop Drawing. The Engineer will retain two sets.

F. After receiving approval by the Engineer, the CONTRACTOR shall be responsible for submitting the Shop Drawings to the Building Department. Shop Drawings of all premanufactured items and all other

Shop Drawings are required to obtain approval prior to manufacturing or installing the submitted items. The CONTRACTOR shall also be responsible for contesting any interpretations by the Building Department that CITY considers non-acceptable. The CONTRACTOR shall include in the bid prices, all costs for permits, fees and expenses associated with the submittals, including resubmittals (if any) of Shop Drawings to the Building Department. The Building Department as used in this paragraph shall be taken to mean the Miami-Dade County Building Department and/or other governing building authority appropriate to this project.

G. Do not begin any of the work covered by a drawing, data, or a sample returned as "Rejected/Resubmit" until a revision or correction thereof has been reviewed and returned to the CONTRACTOR, by the Engineer, with approval or approval "As Noted". Be responsible for and bear all costs of damages which may result from the ordering of any material or from proceeding with any part of work prior to receiving Engineer's approval or approval "As Noted" of the necessary Shop Drawings.

H. Be fully responsible for observing the need for and for making any changes in the arrangement of piping, connections, wiring, manner of installation, etc., which may be required by the materials/equipment the CONTRACTOR proposes to supply, both as they pertain to the CONTRACTOR's own work, work of others, or of other Divisions herein or Trades and clearly show such changes on the Shop Drawings.

I. When substitutions in materials or equipment are allowed, the CONTRACTOR shall make all necessary changes in adjacent or connected structures and equipment at his expense. Where contemplated changes, substitutions or appurtenant work re- quire engineering design, in the opinion of the Engineer, the CONTRACTOR shall have such design services performed at his expense. Said engineering design services shall be of an extent satisfactory to the Engineer whose word shall be final and shall be performed by a Registered Professional Engineer licensed to practice in the State of Florida.

J. When substitutions in materials or equipment are allowed, the CONTRACTOR shall be solely responsible for all costs and time required by any differences in construction methods, fabrication or assembly required and no additional time will be allowed.

K. The Miami-Dade Building Department requires that any changes made during construction which result in differences between the as constructed arrangement/elements and the arrangement/elements shown on the permitted plans be reconciled by re-permitting of the plan sheet or sheets affected by the construction changes prior to inspection. Thus, the plan sheet or sheets must be redrawn to reflect the construction change, signed, sealed, dated and re-submitted by the Engineer of Record for re-permitting.

L. When a construction change, initiated by the CONTRACTOR or resulting from a change made by the CONTRACTOR, requires re-permitting as discussed in the preceding paragraph, the CONTRACTOR shall be responsible for all labor, material and equipment required to redraw the Plan sheet or sheets affected by the change to the satisfaction of the Engineer of Record and CITY. The costs for all work of this sort and all costs of re-permitting shall be borne by the CONTRACTOR and no extra compensation will be allowed.

M. Determine and verify:

1. Field measurements
2. Field construction criteria
3. Catalog numbers and similar data
4. Conformance with specifications
5. That installation and maintenance clearances are sufficient particularly when equipment or arrangement changes have been made

1.04 ENGINEER'S REVIEW OF SHOP DRAWINGS

A. Engineer's review of plans, data and samples, submitted by the CONTRACTOR will cover only general conformity to the Drawing and Specifications. The Engineer's review will not constitute an approval of dimensions, quantities, and details of the material, equipment, device, or item shown. The review of plans and schedules will be general, and shall not be construed:

1. As permitting any departure from the Contract requirements
2. As relieving the CONTRACTOR of responsibility for any errors, including detail, dimensions, and materials
3. As approving departures from details furnished by the Engineer, except as otherwise provided herein

B. Variations

1. If the plans or schedules, as submitted, describe variations per paragraph 1.03 C, and show a departure from the Contract requirements which Engineer finds to be in the interest of the City and to be so minor as not to involve a change in Contract price or time for performance, the Engineer may return the reviewed plans without noting an exception.
2. If the plans or schedules, as submitted, describe variations and show a departure from the Contract requirements which the Engineer finds to be minor enough to be corrected by redlining the submittal, the engineer will mark and return the submittal marked "Approved as Noted." The redlined corrections shall be as binding on the CONTRACTOR as would be a resubmission embodying the same corrections.

C. When reviewed by the Engineer, each of the Shop Drawings shall be stamped and dated to indicate it had been reviewed. Shop Drawings stamped "Revise and Resubmit" and with required corrections shown will be returned to the CONTRACTOR for correction and resubmittal.

D. Resubmittals will be handled in the same manner as first submittals. On resubmittals the CONTRACTOR shall direct specific attention, in writing or on resubmitted Shop Drawings, to revisions and corrections required by the Engineer on previous sub- missions. The CONTRACTOR shall make any corrections required by the Engineer.

E. If the CONTRACTOR considers any correction indicated on the Shop Drawings to constitute a change to the Project Plans or Specifications, the CONTRACTOR shall give written notice thereof to the Engineer who will render a decision which shall be final. After the decision has been made, the CONTRACTOR

shall without delay, provide the corrections to the plans.

F. When the Shop Drawings have been approved by the Engineer, the CONTRACTOR shall carry out the construction in accordance therewith and shall make no further changes therein except upon written instructions from the Engineer.

G. No partial submittals will be reviewed. Submittals not complete will be returned to the CONTRACTOR for resubmittal. Unless otherwise specifically permitted by the Engineer, all submittals shall be made in groups containing all associated items for systems, processes or as indicated in specific specifications sections. All plans, schematics, manufacturer's product data, certifications and other Shop Drawing submittals required by a system specification shall be submitted at one time as a package to facilitate interface checking.

1.05 SHOP DRAWINGS

A. When used in the Project Documents, the term "Shop Drawings" shall be considered to mean CONTRACTOR's plans for materials and equipment which become an integral part of the Project. These Shop Drawings shall be complete and detailed. Shop Drawings shall consist of fabrication, erection and setting drawings and schedule drawings, manufacturer's scale drawings, and wiring and control diagrams. Cuts, catalogs, pamphlets, descriptive literature, and performance/test da- ta shall be considered only as supportive to required Shop Drawings as defined above.

B. Manufacturer's catalog sheets, brochures, diagrams, illustrations and other standard descriptive data shall be clearly marked to identify pertinent materials, product or models. Information which is not applicable to the Work shall be deleted by striking or cross hatching.

C. Each Shop Drawing shall have a blank area 3½ inches by 3½ inches, located adjacent to the title block. The title block shall display the following:

1. Project Title and Number
2. Name of Project Building or Structure
3. Number and Title of the Shop Drawing
4. Date of Shop Drawing or Revision
5. Name of CONTRACTOR and Subcontractor Submitting Drawing
6. Supplier/Manufacturer
7. Separate Detailer when Pertinent
8. Specification Title and Number
9. Specification Section
10. Application Project Drawing Number

D. If plans show variations from Contract requirements because of standard shop practice or for other reasons, describe such variations in the letter of transmittal. If no explanation of these variations is provided, the CONTRACTOR shall not be relieved of the responsibility for executing the work in accordance with the Contract, even though such plans have been reviewed and approved.

E. For all mechanical and electrical equipment furnished, provide a list including the equipment name,

address of and telephone number of the manufacturer's representative and service company so that service and/or spare parts can be readily obtained.

F. All manufacturers or equipment suppliers who propose to furnish equipment or products shall submit an installation list to the Engineer along with the required Shop Drawings. The installation list shall include at least five installations where identical equipment has been installed and has been in operation for a period of at least five years, unless otherwise specified. Manufacturers and/or equipment which fails to meet the specified experience period will be considered if the manufacturer or supplier provides a bond or cash deposit which will guarantee replacement of the equipment or process in the event of failure or unsatisfactory service.

G. Only the Engineer will utilize the color "red" in marking Shop Drawing submittals.

1.06 REQUIRED INFORMATION

A. Submit, as applicable, the following for all prefabricated or manufactured structural, mechanical, electrical, plumbing, process system, and equipment work:

1. Shop Drawings or equipment drawings, including dimensions, size and location of connections to other work, and weight of equipment
2. Catalog information and cuts
3. Installation or placing plans for equipment, drives, and bases
4. Supporting calculations, signed and sealed by a Florida Registered Engineer when required, for equipment and associated supports, or hangers required or specified to be designed by equipment manufacturers.
5. Signed and sealed calculations and plans by in-house Florida Registered Professional Engineer for structural systems, indicating compliance to the structural design criteria specified in the Plans.
6. Complete manufacturer's specifications, including materials description and paint system.
7. Performance data and pump curves
8. Suggested spare parts with current price information
9. List of special tools required for testing, checking, parts replacement, and maintenance. (Special tools are those which have been specially designed or adapted for use on parts of the equipment, and are not customarily and routinely carried by maintenance mechanics)
10. List of special tools furnished with the equipment
11. List of materials and supplies required for the equipment prior to, and during startup
12. List of materials or supplies furnished with the equipment
13. Special handling instructions
14. Requirements for storage and protection prior to installation
15. Requirements for routine maintenance required prior to equipment startup
16. List of all requested exceptions to the Project Documents

1.07 SUBMITTAL REQUIRED FOR FOREIGN MANUFACTURED ITEMS

A. In addition to the submittal requirements stated above, suppliers of foreign manufactured items shall submit the names and addresses of companies within the United States that maintain technical

service representatives and a complete inventory of spare parts and accessories for each foreign-made item proposed for incorporation into the Work. Failure to prove these capabilities shall be cause for rejection of the foreign manufactured items.

B. Foreign manufactured equipment and materials shall in all cases be clearly and permanently marked with the manufacturer's name and country of origin of the item. The name of the U.S. importing/supplying firm is not acceptable. Shop Drawing submittals of foreign-made items shall be accompanied by written information to include name and location (i.e. country, City, and street address) of the manufacturer. This requirement shall also apply to the foreign made elements of items assembled in this country from parts wholly or partially manufactured overseas.

1. The words, "Permanently Marked" as used in this paragraph shall mean; die stamped, cast-in, welded, or otherwise marked such that the removal of the marking by any mechanical or chemical means will result in obvious permanent damage to the surface marked. These markings shall be on surfaces which are not hidden by assembly.

C. Where specified elsewhere herein or at the sole discretion of the Engineer, whose word shall be final, supply verification of quality, suitability, or other aspects, as directed by the Engineer, from a Professional Engineer licensed to practice in the State of Florida or the state where the supplying U.S. firm is located. The verification shall be signed, sealed, and dated. All costs for this verification shall be at the sole expense of the CONTRACTOR and no extra compensation will be allowed. Verification by foreign-based engineers, firms, manufacturers, etc. will not be acceptable. Verification by means of a very stringent foreign testing agency/standard (for example ISO 9000 series) may be acceptable. However, this shall again be at the sole discretion of the Engineer and the full burden of proof and satisfaction of CITY shall rest with the CONTRACTOR. No extra time will be permitted due to the requirement for verification and the CONTRACTOR has the sole responsibility to make his submittals with all necessary information in a timely fashion.

D. Items which are fabricated (i.e. assembled in this country from partially or wholly foreign manufactured parts) may also be required to have verification of their foreign made elements as specified for wholly foreign made items in the preceding paragraph.
E. Any items in contact with or being added to potable water shall conform with NSF/ANSI 61 or 60, as appropriate.

1.08 SAMPLES

A. Furnish for the approval of the Engineer, samples required by the Project Documents or required by the Engineer. Samples shall be delivered to the Engineer as specified or directed. The CONTRACTOR shall prepay all shipping charges on samples. Materials or equipment for which samples are required shall not be used in work until approved by the Engineer.

END OF SECTION

BID FORM
ITB No. 2022-05

THIS BID IS SUBMITTED TO:
City of Doral
8401 NW 53rd Terrace
Doral, Florida 33166

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with The City of Doral in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to BIDDER'S, including without limitation those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 90 days after the day of Bid opening. BIDDER agrees to sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within ten days after the date of City's Notice of Award.

3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

   (a) BIDDER has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged.)

   Addendum No._____ Dated: _____

   Addendum No._____ Dated: _____

   Addendum No._____ Dated: _____

   Addendum No._____ Dated: _____

   (b) The Bidder, by and through the submission of its bid, agrees that it shall be held responsible for having therefore examined the site, the location and the route of all proposed work, and for having satisfied themselves as to the character of the route, the location, surface and underground obstructions, known or anticipated and all other physical characteristics pertaining to the Project that could be reasonably determined including the nature of the ground and the water table conditions, in order that they may include in the prices bid, whether aggregate sums or unit prices, all costs pertaining to the work and thereby provide for the satisfactory completion thereof, including the removal, relocation or replacement of any objects or obstruction which will be encountered in doing the proposed work.

   (c) The Bidder shall familiarize itself with all codes and regulations applicable to the specific work involved in the Project. They shall fully comply with all requirements of applicable codes and regulations whether indicated in the Contract Drawings and Specifications or not,

including any modifications made by the authorities having jurisdiction, "Permitted Agencies", over the Contract work during the lifetime of the Contract.

(d) All information given on the Drawings or in the Contract Documents relating to borings, materials encountered, and ground water, is from the reports of the boring CONTRACTORS. The logs of test borings performed by the City of Doral's boring CONTRACTORS present factual information of the subsurface conditions at the specific test boring location only. The Bidders should not consider, or conclude, that the subsurface conditions will be consistent between test boring locations. All such information was prepared for the information of the City of Doral's Engineers only, and permission to examine the same is extended to bidders for their convenience. In no event is such information, including any shown on the Contract Drawings, to be considered a part of this Contract.

(e) The Bidders shall make site surface and subsurface examinations and investigations as they choose in order to determine the character of the material and the construction conditions under which they will work. The Bidder agrees that reasonable steps to discover the particular physical and subsurface soil conditions for this Contract shall include, but not necessarily be limited to, performing its own borings and test holes, interviewing any CONTRACTORS working at or near the site, and interviewing CONTRACTORS who have done similar work in this area and/or similar areas. If requested by the Bidder, the City of Doral will assist it in obtaining permission for exploratory work from the governing authorities having jurisdiction over the work area. Such requests must be made with reasonable advance notice prior to the date set for the opening of bids.

(f) The Bidder in preparing its bid should take into consideration that work by other CONTRACTORS may be in progress at or near the site and during the performance of the work to which the bid relates, and that the bidder will be expected, should it be awarded the Contract, to avoid interference with work being done by such other CONTRACTORS.

(g) BIDDER has given the City written notice of all conflicts, errors, discrepancies that it has discovered in the Plans or Contract Documents and the written resolution thereof by the City is acceptable to BIDDER; prior to responsible bid submittal.

(h) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; BIDDER has not directly or indirectly induced or solicited any other BIDDER to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other BIDDER or over the City.

1. BIDDER understands and agrees that this is a unit rate contract. The prices submitted on the bid form are to furnish and deliver all of the Work complete in place. The quantities provided on the form are for the purpose of Bid Evaluation and should be considered estimates only. CONTRACTOR's unit prices will not be adjusted to reflect any deviation from the provided quantities. As such the CONTRACTOR shall furnish all labor, materials, equipment, tools, supervision, safety measures, and services necessary to provide the stated units of work for the Bid

Price of:

Item Number	Description	Unit	Qty.	Unit Price	Cost
101-1	MOBILIZATION	LS	1		
102-1	MAINTENANCE OF TRAFFIC	LS	1		
LANDSCAPE MATERIAL (BID SET TO INCLUDE ADDITIONAL DETAILS FOR LANDSCAPING MATERIALS)					
580-2	BULNESIA ARBOREA	EA	5		
580-2	CHAMAEROPS HUMILIS	EA	10		
580-2	JATROPHA INTEGERRIMA	EA	40		
580-2	LIGUSTRUM JAPONICUM	EA	23		
580-2	LAGERSTROEMIA SPECIOSA	EA	28		
580-2	MAGNOLIA GRANDIFLORA `LITTLE GEM`	EA	8		
580-2	PTYCHOSPERMA ELEGANS (16FT)	EA	57		
580-2	PTYCHOSPERMA ELEGANS (13FT)	EA	11		
580-2	PTYCHOSPERMA ELEGANS (10FT)	EA	13		
580-2	PHOENIX SYLVESTRIS	EA	2		
580-2	QUERCUS VIRGINIANA	EA	3		
580-2	ROYSTONEA REGIA	EA	17		
580-2	VEITCHIA MONTGOMERYANA (10FT)	EA	5		

580-2	VEITCHIA MONTGOMERYANA	EA	3		
580-1	CRINUM AUGUSTUM `QUEEN EMMA`	EA	67		
580-1	CALLISTEMON CITRINUS `LITTLE JOHN`	EA	53		
580-1	CORDYLINE FRUTICOSA `BLACK MAGIC`	EA	99		
580-1	CLUSIA FLUMINENSIS (FKA 'NANA')	EA	2416		
580-1	CHRYSOBALANUS ICACO `HORIZONTALIS`	EA	1158		
580-1	CONOCARPUS ERECTUS ‘SERICEUS’	EA	80		
580-1	FICUS MICROCARPA `GREEN ISLAND`	EA	703		
580-1	ILEX VOMITORIA `STOKES DWARF`	EA	639		
580-1	IXORA X `PETITE TAIWAN RED`	EA	950		
580-1	SCHEFFLERA ARBORICOLA `TRINETTE`	EA	1146		
580-1	ARACHIS GLABRATA	EA	2350		
580-1	EVOLVULUS GLOMERATUS	EA	1590		
580-1	IMPATIENS HAWKERI	EA	1308		
580-1	JUNIPERUS CONFERTA `BLUE PACIFIC’	EA	3379		
570-1-2	STENOTAPHRUM SECUNDATUM ‘PALMETTO’	SF	11,137		
IRRIGATION SYSTEM					
590-70	HOOVER PUMP STATION MODEL HCF-7.5CSV-480/3-D,E-50,W,Z INCLUDES CONTROLLER	EA	2		

590-70	HOOVER PUMP STATION MODEL HCF-7.5CSV-230/1-D,E-50,W,Z INCLUDES CONTROLLER	EA	1		
590-70	WELL PIPE / 4 INCH OPEN ENDED, GALVANIZED STEEL, 80 FT DEPTH ESTIMATED	EA	3		
590-70	ZONE CONTROL VALVE / RAIN BIRD PESB (SIZE PER PLANS)	EA	29		
590-70	ZONE GATE VALVE / LEEMCO LV-220	EA	29		
590-70	THREADED NIPPLES / PVC SCHEDULE 80 (INSTALL NO MALE ADAPTERS)	EA	95		
590-70	MAINLINE / 4 INCH HDPE DR 13.5 IPS 9NOT INCLUDING DIRECTIONAL BORES)	LF	3,855		
590-70	MAINLINE / 4 INCH PVC CLASS 200	LF	100		
590-70	MAINLINE / 3 INCH PVC SCH 40	LF	50		
590-70	MAINLINE / 2 INCH PVC SCH 40	LF	125		
590-70	MAINLINE SERVICE TEE / HDPE DR 11 FUSIBLE; AT VALVES, USE 4 INCH ELECTROFUSION SADDLE WITH 2 INCH BRASS FPT OUTLET	EA	33		
590-70	2 INCH DETECTABLE MARKING TAPE OVER MAINLINE, 12 IN BELOW GRADE	LF	4130		
590-70	MAINLINE ISOLATION VALVE / AVK SERIES 85 BALL VALVE WITH FUSIBLE DR11 IPS HDPE ENDS	EA	8		
590-70	AIR/VACUUM RELEASE VALVE / BERMAD C10 COMBINATION AIR AND VACUUM RELEASE WITH TEST	EA	4		
590-70	VALVE BOX / OLD CASTLE TIER 8 RATED FIBRELYTE FL30, 15 X 24 X 12 INCH DEEP	EA	41		

590-70	PULL BOX / OLD CASTLE TIER 8 RATED FIBRELYTE FL30, 15 X 24 X 12 INCH DEEP	EA	10		
590-70	VALVE BOX IDENTIFICATION / ALUMINUM NUMBERS / LETTERS	EA	93		
590-70	#57 ROCK / BELOW VALVE BOXES PER DETAIL	CF	191		
590-70	FILTER FABRIC / BELOW VALVE BOXES PER DETAIL	SF	408		
590-70	CONTROL WIRE CONDUIT / 2 INCH HDPE RED STRIPE (NOT INCLUDING DIRECTIONAL DRILL)	LF	4130		
590-70	CONTROL WIRE / SOLID COPPER, TYPE UF-83 THHN/THWN INSTALL 14 AWG RED FOR HOT WIRES, INSTALL 14 AWG BLUE FOR SPARES, INSTALL 14 AWG WHITE FOR THE COMMON/ COMMON SPARE FOR POC 2/3 SYSTEMS	LF	43,500		
590-70	CONTROL WIRE / SOLID COPPER, TYPE UF-83 THHN/THWN INSTALL 12 AWG WHITE FOR THE COMMON/ COMMON SPARE FOR POC 1 SYSTEMS	LF	7,600		
590-70	CONTROL WIRE CONNECTORS / 3M DBY/R-6	EA	116		
590-70	LATERAL LINE / 3/4 INCH MINIMUM TO 3 INCH PVC SCHEDULE 40 WITH PVC SCHEDULE 40 SOLVENT WELD FITTINGS	LF	17,650		
590-70	DIRECTIONAL BORES / 4 INCH HDPE DR 13.5 IPS	LF	2,470		
590-70	DIRECTIONAL BORE / 3 INCH HDPE DR 13.5 IPS	LF	1,100		
590-70	DIRECTIONAL BORE / 2 INCH HDPE DR 13.5 IPS	LF	5,465		
590-70	SPRAY HEADS / RAIN BIRD 1806-PRS WITH MPR NOZZLES	EA	322		
590-70	SPRAY HEADS / RAIN BIRD 1812-PRS WITH MPR NOZZLES	EA	421		
590-70	SPRAY HEADS / RAIN BIRD 1812-PRS WITH MPR NOZZLES ON RISER ASSEMBLY	EA	62		

590-70	STAINLESS STEEL ZIP TIES / FOR RISER ASSEMBLY	EA	124		
590-70	BUBBLERS / RAINBIRD 1400 SERIES PRESSURE COMPENSATING ON POLY PIPE, 0.25 GPM	EA	221		
590-70	BUBBLERS / RAINBIRD 1400 SERIES PRESSURE COMPENSATING ON POLY PIPE, 0.50 GPM	EA	44		
ELECTRICAL SYSTEM					
715-7-77	SERVICE POINT ENCLOSURE COMPLETE	EA	2		
715-11-7	LANDSCAPE LIGHTING (TYPE A)	EA	74		
715-11-7	LANDSCAPE LIGHTING (TYPE B)	EA	20		
630-2-11	1" PVC CONDUIT	LF	5,800		
630-2-11	2" PVC CONDUIT	LF	6,400		
715-1-12	#8 CU WIRING	LF	300		
715-1-12	#6 CU WIRING	LF	46,000		
715-1-13	#4 CU WIRING	LF	2,000		
715-1-13	#2 CU WIRING	LF	8,000		
635-2-11	PULL BOX	EA	33		
Z999-1	GFI RECEPTACLE POST WITH TRANSFORMER	EA	28		
715-MISC	MISCELLANEOUS	LS	1		
TREE DISPOSITION					
580-MAINT	ESTABLISHMENT PERIOD MONTHLY MAINTENANCE; AFTER PROJECT ACCEPTANCE DATE (**2X PER MONTH**)	EA	12		
580-9-1	LANDSCAPE-PALM COMPLETE REMOVAL, LESS THAN 14' OF CLEAR TRUNK	EA	8		

580-9-2	LANDSCAPE-PALM COMPLETE REMOVAL, 14' AND GREATER OF CLEAR TRUNK	EA	13		
581-1-2	RELOCATE TRESS AND PALMS, PALM,> =14' OF CLEAR TRUNK	EA	22		
580-9-31	LANDSCAPE–STUMP REMOVAL 4 -24"	EA	5		

TOTAL BASE BID: _____

EVALUATION SHALL BE BASED ON TOTAL BASE BID

Work to be included for all items:

Furnishing all labor, equipment, materials and any and all costs for the term of the warranty or as deemed necessary by the City, necessary to complete the work per the specifications and as required shall be included in the above bid.

NOTES TO BIDDERS:

1. Contractor shall fill the entire bid form; no spaces are to be left blank.

2. The City reserves the right to utilize any combination of the base bid, add alternates as they so desire to achieve the proper balance between the required improvements, desired improvements, and the City's available project budget.
3. The City reserves the right to request per unit/each pricing of materials listed on the bid form for clarification or to purchase additional materials.

4. Contract Time will commence on the date the Agreement is executed and continue consecutively for a period of one hundred and eighty (180) calendar days. No extension of time will be given unless stated in writing.

5. BIDDER agrees that the work will be completed as scheduled from the date stipulated in the work orders executed under the terms of this contract.

6. Communications concerning this Bid shall be addressed to:

BIDDER: _____

Address: _____

Telephone: _____

Facsimile Number: _____

Attention: _____

7. The terms used in this Bid which are defined in the General Conditions of the Contract included as part of the Contract documents have the meanings assigned to them in the General Conditions.

BASE BID:

_____

Dollars (*Written Total Base Bid Price*)

SUBMITTED THIS_____DAY OF_____, 20_____

GENERAL FORMS

STATEMENT OF NO RESPONSE

If you are not proposing on this service/commodity, please complete and return this form to: City of Doral – City Manager's Office 8401 NW 53rd Terrace Doral, FL 33166. Failure to respond may result in deletion of your firm's name from the qualified vendor list for the City of Doral.

COMPLANY NAME: _____

ADDRESS: _____

TELEPONE: _____

SIGNATURE: _____

DATE: _____

We, the undersigned have declined to submit a proposal on the above because of the following reasons:

_____Specifications/Scope of Work too "tight", i.e., geared toward brand or manufacturer only (explain below).
_____Insufficient time to respond.
_____We do not offer this product, service or an equivalent.
_____Our schedule would not permit us to perform.
_____Unable to meet bond requirements.
_____Specifications unclear (explain below).
_____Other (specify below).

REMARKS: _____

_____

For bidders submitting proposals for this opportunity, you may write "N/A" on this form.

BIDDER INFORMATION WORKSHEET

COMPANY/AGENCY/FIRM NAME: _____

ADDRESS: _____

BUSINESS EMAIL ADDRESS: _____ **PHONE No.:** _____

CONTACT PERSON: _____

TITLE: _____

EMAIL ADDRESS: _____ **PHONE No.:** _____

BUSINESS HOURS: _____

BUSINESS LEGAL STATUS: (circle one) CORPORATION / PARTNERSHIP / JOINT VENTURE /LLC

BUSINESS IS A: (circle one) PARENT / SUBSIDIARY / OTHER _____

DATE BUSINESS WAS ORGANIZED/INCORPORATED: _____

ADDRESS OF OFFICE WHERE WORK IS TO BE DONE FOR THIS PROJECT
(if different from address provided above):

_____

_____

INDIVIDUAL(S) AUTHORIZED TO MAKE REPRESENTATIONS FOR THE BIDDER:

_____	_____	_____
(First, Last Name)	(Title)	(Phone Number)
_____	_____	_____
(First, Last Name)	(Title)	(Phone Number)
_____	_____	_____
(First, Last Name)	(Title)	(Phone Number)

CONTACT'S SIGNATURE: _____ **DATE:** _____

CONFLICT OF INTEREST DISCLOSURE FORM

All business entities ("Vendor") interested in or conducting business with the City of Doral, must complete and return the Conflict-of-Interest Disclosure Form.

Please note that all business entities interested in or conducting business with the City are subject to comply with the City of Doral's conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Doral official or employee, an immediate family member of a City of Doral official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.

Conflict of Interest Disclosure*	
Name of City of Doral employees, elected officials, or immediate family members with whom there may be a potential conflict of interest: _____ _____	( ) Relationship to employee ( ) Interest in vendor's company ( ) Other (please describe below): _____ _____ ( ) No Conflict of Interest

**Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.*

I certify that this Conflict-of-Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:		
Vendor Name	**Vendor Phone Number**	
Signature of Vendor Authorized Representative	**Date**	**Printed Name of Vendor Authorized Representative**

CITY OF DORAL PROCUREMENT

ITB REFERENCE SURVEY

ITB. No. 2022-05

Doral Boulevard Median Landscaping Improvements Phase II

FROM:		TO: PROCUREMENT MANAGER
COMPANY:		DUE DATE: **March 29th, 2022**
PHONE NO.:		TOTAL #. OF PAGES: 1
FAX NO.		PH. #: 305-593-6725 EXT. 4003 / 4006
EMAIL:		EMAIL:procurement@cityofdoral.com
SUBJECT:	Reference for work completed regarding NW 58 Street Outfall	

You as an individual or Your company has been given to us as a point of contact for a reference on a project completed for you (identified above). Description of City Project:

- ***By way of this ITB, the City is soliciting bids from, and desires to retain the services of, a qualified General Engineering CONTRACTOR to construct landscaping improvements that include an irrigation system, lighting, and other roadway/landscaping improvements as shown on the plans.***

A complete copy of the solicitation document can be obtained via the City of Doral's Procurement webpage at the link below. City of Doral - Bid Opportunities.

Company you are providing a reference for: _____

	Indicate:	**"YES" or "NO"**
1.	Was the scope of work performed similar in nature?	
2.	Did this company have the proper resources and personnel by which to get the job done?	
3.	Were any problems encountered with the company's work performance?	
4.	Were any change orders or contract amendments issued, other than owner initiated?	
5.	Was the job completed on time based on the original established timeline, not including change orders?	
6.	Was the job completed within budget based on the original established budget, not including change orders?	
7.	On a scale of one to ten (1-10), ten being best, how would you rate the overall work performance, considering professionalism, final product, personnel, resources. Rate from 1 to 10 (10 being the highest)	
8.	If the opportunity were to present itself, would you rehire this company?	
9.	Please provide any additional comments pertinent to this company and the work performed for you:	

PLEASE COMPLETE AND RETURN TO THE ATTENTION OF:
Tanya Donigan – Procurement@cityofdoral.com
Subject: Reference for ITB No. 2022-05

_____
Reference Print Name

_____ _____
Reference Title Reference Signature

BUSINESS ENTITY AFFIDAVIT
(VENDOR / BIDDER DISCLOSURE)

I, _____, being first duly sworn state:

The full legal name and business address of the person(s) or entity contracting or transacting business with the City of Doral ("City") are (Post Office addresses are not acceptable), as follows:

_____

FEDERAL EMPLOYER IDENTIFICATION NUMBER (IF NONE, SOCIAL SECURITY NUMBER)

_____

Name of Entity, Individual, Partners, or Corporation

_____

Doing business as, if same as above, leave blank

_____

STREET ADDRESS SUITE CITY STATE ZIP CODE

OWNERSHIP DISCLOSURE AFFIDAVIT

1. If the contact or business transaction is with a corporation, the full legal name and business address shall be provided for each officer and director and each stockholder who holds directly or indirectly five percent (5%) or more of the corporation's stock. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. All such names and addresses are (Post Office addresses are not acceptable), as follows:

   Full Legal Name Address Ownership

   _____%

   _____%

   _____%

2. The full legal names and business address of any other individual (other than Subcontractors, material men, suppliers, laborers, or lenders) who have, or will have, any interest (legal, equitable, beneficial or otherwise) in the contract or business transaction with the City are (Post Office addresses are not acceptable), as follows:

   _____

   _____

_____

_____

_____ _____

Signature of Affiant Date

_____

Printed Name of Affiant

The foregoing Affidavit was acknowledged before me, by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, _____(year), by _____ who is personally known to me or who has produced a Florida driver's license as identification.

Personally known_____

OR

Produced Identification_____ Type of Identification _____

Notary Public-State of _____

My commission number: _____ My commission expires: _____

_____

Printed, typed, or stamped commissioned name of Notary Public

[Notary Seal]

Signature: _____

AMERICANS WITH DISABILITIES ACT (ADA)
DISABILITY NONDISCRIMINATION STATEMENT

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the City Of Doral, Florida

by: _____
(print individual's name and title)

for: _____
(print name of entity submitting sworn statement)

whose business address is: _____

and (if applicable) its Federal Employer Number (FEIN) is: _____
(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____-_____-_____.)

I, being duly first sworn state:

That the above-named firm, corporation or organization is in compliance with and agreed to continue to comply with, and assure that any Subcontractor, or third-party CONTRACTOR under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 USC 1210112213 and 47 USC Sections 225 and 661 including Title I, Employment; Title II, Public Services; Title III, Public Accommodations and Services Operated by Private entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.

The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Section 553.501 553.513, Florida Statutes:

The Rehabilitation Act of 1973, 229 USC Section 794;
The Federal Transit Act, as amended 49 USC Section 1612;
The Fair Housing Act as amended 42 USC Section 3601-3631.

_____
SIGNATURE

The foregoing Affidavit was acknowledged before me, by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, _____(year), by _____ who is personally known to me or who has produced a Florida driver's license as identification.

Personally known_____

OR

Produced Identification_____ Type of Identification

_____

Notary Public-State of _____

My commission number: _____ My commission expires: _____

_____

Printed, typed, or stamped commissioned name of Notary Public

[Notary Seal]

Signature: _____

BIDDER QUALIFICATION STATEMENT

The Bidder's response to this questionnaire will be utilized as part of the City's overall Bid Evaluation to ensure that the Bidder meets, to the satisfaction of the City of Doral, the minimum requirements for participating in this solicitation. The following minimum experience is required for this project:

- Successful completion, verifiable with references, of at least three (3) "Landscaping Projects" of at least half a million dollars ($500,000) each in "Landscaping" scope costs only; performed in Miami-Dade or Broward Counties in the last five (5) years within the Public Right-of-Way which included Maintenance of Traffic (MOT), electrical, the removal, installation, and or relocation of large trees (more than 20ft tall), and installation of complete irrigation systems with well pumps.

- All these projects must have been performed for local government, County and/or state agency.

Failure to meet these minimum guidelines will be considered an unresponsive submittal and the documents will not be considered.

List projects experience consistent with the requirements stated.

1. Project Name: _____

   Location: _____

   Project Description: _____

   _____

   _____

   Budget/Cost _____

   Dates of Contract _____

   Owner Name _____

   Contact Person/ Phone # _____

   Contact email: _____

2. Project Name: _____

   Location: _____

Project Description: _____

_____

_____

Budget/Cost _____

Dates of Contract _____

Owner Name _____

Contact Person/ Phone # _____

Contact email: _____

3. Project Name: _____

   Location: _____

   Project Description: _____

   _____

   _____

   Budget/Cost _____

   Dates of Contract _____

   Owner Name _____

   Contact Person/ Phone # _____

   Contact email: _____

4. Project Name: _____

   Location: _____

   Project Description: _____

   _____

_____

Budget/Cost _____

Dates of Contract _____

Owner Name _____

Contact Person/ Phone # _____

Contact email: _____

5. Project Name: _____

   Location: _____

   Project Description: _____

   _____

   _____

   Budget/Cost _____

   Dates of Contract _____

   Owner Name _____

   Contact Person/ Phone # _____

   Contact email: _____

6. Project Name: _____

   Location: _____

   Project Description: _____

   _____

   _____

Budget/Cost _____

Dates of Contract _____

Owner Name _____

Contact Person/ Phone # _____

Contact email: _____

END OF SECTION

NO CONTINGENCY AFFIDAVIT

State of _____)
) SS
County of_____)

BEFORE ME, the undersigned authority, personally appeared _____, who, after being duly sworn, deposes and states that all of the facts herein are true:

(1) He/She/They is/are _____Owner, Partner, Officer, Representative or Agent) of _____, the BIDDER that has submitted the attached Bid;

(2) Bidder warrants that neither it, nor any principal, employee, agent, representative or family member has promised to pay, and Firm has not, and will not; pay a fee the amount of which is contingent upon the City of Doral awarding this contract. Firm warrants that neither it, nor any principal, employee, agent, representative has procured, or attempted to procure, this contract in violation of any of the provisions of the Miami-Dade County conflict of interest and code of ethics ordinances; and

(3) Further, Firm acknowledges that a violation of this warranty may result in the termination of the contract and forfeiture of funds paid, or to be paid, to the Firm, if the Firm is chosen for performance of the contract.

FURTHER AFFIANT SAYETH NOT

By: _____

Print Name:_____

The foregoing instrument was sworn to (or affirmed) and subscribed before me, by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, _____(year), by _____

_____
Notary Public

State of _____ at Large

My Commission Expires:

My Commission Number:

NON-COLLUSION AFFIDAVIT

State of _____)
) SS
County of_____)

BEFORE ME, the undersigned authority, personally appeared _____, who, after being duly sworn, deposes and states that all of the facts herein are true:

1) He/She/They is/are the _____

(Owner, Partner, Officer, Representative or Agent) of , the BIDDER that has submitted the attached Bid;

2) He/She/They is/are fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

3) Such Bid is genuine and is not a collusive or sham Bid;

4) Neither the said BIDDER nor any of its officers, partners, Owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm, or person to submit a collusive or sham Bid in connection with the Work for which the attached Bid has been submitted; or to refrain from bidding in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any BIDDER, firm, or person to fix any overhead, profit, or cost elements of the Bid or of any other BIDDER, or to fix any overhead, profit, or cost elements of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Work; and

5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, Owners, employees or parties in interest, including this affiant.

FURTHER AFFIANT SAYETH NOT

By: _____

Print Name: _____

The foregoing instrument was sworn to (or affirmed) and subscribed before me, by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, _____(year), by _____

_____
Notary Public

State of _____ at Large

My Commission Expires:

My Commission Number:

ACKNOWLEDGMENT OF CONFORMANCE WITH OSHA STANDARDS

To the City of Doral,

We _____, hereby acknowledge and agree
Prime CONTRACTOR

that we, as the Prime CONTRACTOR for City of Doral, **ITB No. 2022-05 – Doral Boulevard Median Landscaping Improvements Phase II,** as specified, have the sole responsibility for compliance with all the requirements of the Federal Occupational Safety and Health Act of 1970, and all State and local safety and health regulations, and agree to indemnify and hold harmless the City of Doral, against any and all liability, claims, damages losses and expenses they may incur due to the failure of:

_____
(Subcontractor's Names)

_____
to comply with such act or regulation.

_____
CONTRACTOR

_____ BY: _____
ATTEST

END OF SECTION

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a) FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to _____ by_____for _____whose business address is_____ and (if applicable) its Federal Employer Identification number (FEIN) is_____(IF the entity had no FEIN, include the Social Security Number of the individual signing this sworn statement:_____.

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any Bid or Contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Para. 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trail court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Para. 287.133(1)(a), Florida Statutes, means:
    1. A predecessor or successor of a person convicted of a public entity crime; or
    2. Any entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executors, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prime facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Para. 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding Contract and which Bids or applies to Bid on Contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "persons" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of any entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order.)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY, CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

By: _____

(Printed Name) _____

(Title) _____

The foregoing instrument was sworn to (or affirmed) and subscribed before me, by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, _____(year), by _____

Personally known_____

Or Produced Identification _____

Notary Public - State of _____

My Commission Expires_____

_____

(Type of Identification) (Printed, typed, or stamped commission name of notary public)

COPELAND ACT ANTI-KICKBACK AFFIDAVIT

STATE OF }
} SS:
COUNTY OF }

I, the undersigned, hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Doral, its elected officials, and _____ or its design consultants, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: _____

Title: _____

The foregoing instrument was sworn to (or affirmed) and subscribed before me, by means of ☐ physical presence or ☐ online notarization, this _____ day of _____, _____(year), by _____

_____
Notary Public

_____
(Printed Name)

My commission expires: _____

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

I, _____, _____
(Individual's Name) (Title)

of the _____, do hereby certify that
(Name of Company)

Compliance with Equal Employment Opportunity

The Respondent shall comply with Title VII of the Civil Rights Act of 1964 42 U.S.C. Section 2000e et seq., Section 504 of the Rehabilitation Act of 1973 29 U.S.C Section701 et seq., and Title I of the Americans with Disabilities Act, 42 U.S.C Section 12101 as of 1990 in that: No person in the United States shall on the grounds of race, creed, color, national origin, sex, age, political affiliation, beliefs or disability be subject to discrimination under any program or activity which the Respondent has agreed to undertake by and through the covenants, and provisions set forth in this Contract.

I have read and understand the Compliance with Equal Employment Opportunity requirements set forth above of this document.

Attachment of this executed form, as such, is required to complete a valid bid.

_____
Individual's Signature

_____
Date

CONE OF SILENCE CERTIFICATION

I, _____, _____
(Individual's Name) (Title)

of the _____, do hereby certify that
(Name of Company)

I have read and understand the terms set forth under section 8.6 of this document titled 'Cone of Silence'.

Attachment of this executed form, as such, is required to complete a valid bid.

_____
Individual's Signature

_____
Date

RESPONDENT'S CERTIFICATION

I have carefully examined the Invitation to Bid, Instructions to Respondents, General and/or Special Conditions, Vendor's Notes, Specifications, proposed agreement and any other documents accompanying or made a part of this Invitation to Bids.

I hereby propose to furnish the goods or services specified in the ITB. I agree that my Proposal will remain firm for a period of 365 days in order to allow the City adequate time to evaluate the Proposals.

I certify that all information contained in this Proposal is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this proposal on behalf of the firm as its act and deed and that the firm is ready, willing and able to perform if awarded the contract.

I further certify, under oath, that this proposal is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a Proposal for the same product or service; no officer, employee or agent of the City of Doral or any other Respondent is interested in said Respondent; and that the undersigned executed this Respondent's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crimes may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a CONTRACTOR, supplier, Subcontractor, or consultant under a contract with a public entity , and may not transact business with any public entity in excess of the threshold amount provided in Sec. 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

_____

Name of Business

The foregoing instrument was acknowledged before me, by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, _____(year), by _____who is personally known to me or who has produced a Florida driver's license as identification.

Personally known_____

OR

Produced Identification_____ Type of Identification _____

Notary Public-State of _____

My commission number: _____ My commission expires: _____

_____

Printed, typed, or stamped commissioned name of Notary Public

[Notary Seal]

Signature: _____

TIE BIDS CERTIFICATION

I, _____, _____
(Individual's Name) (Title)

of the _____, do hereby certify that
(Name of Company)

I have read and understand the requirements/procedures for Tie Bids Award set forth under Section 00420 of this document.

Attachment of this executed form, as such, is required to complete a valid bid.

_____
Individual's Signature

_____
Date

CERTIFICATE OF AUTHORITY
(IF CORPORATION)

STATE OF)

) SS:

COUNTY OF)

I HEREBY CERTIFY that a meeting of the Board of DIRECTORS of the

_____

_____

a Corporation existing under the laws of the State of_____,
held on_____, 20_____, the following resolution was duly passed and adopted:

"RESOLVED, that, as President of the Corporation, be and is hereby authorized to execute the Bid dated,_____, 20_____, to the City of Doral and this Corporation and that their execution thereof, attested by the Secretary of the Corporation, and with the Corporate Seal affixed, shall be the official act and deed of this Corporation".

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Corporation this _____, day of_____, 20_____.

Secretary: _____

(SEAL)

CERTIFICATE OF AUTHORITY
AN INDIVIDUAL

By: _____(SEAL)
(Individual's Name)

Doing business as: _____

Business address: _____

_____

Phone No.: _____ Facsimile No.:_____

CERTIFICATE OF AUTHORITY
(IF PARTNERSHIP)

STATE OF)

) SS:

COUNTY OF)

I HEREBY CERTIFY that a meeting of the Partners of the

_____

_____

a Corporation existing under the laws of the State of_____,

held on_____, 20_____, the following resolution was duly passed and adopted:

"RESOLVED, that,_____, as_____of the Partnership, be and is hereby authorized to execute the Bid dated,_____, 20_____, to the City of Doral and this Partnership and that their execution thereof, attested by the_____, shall be the official act and deed of this Partnership".

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this_____, day of_____, 20 .

Secretary: _____

(SEAL)

CERTIFICATE OF AUTHORITY
(IF JOINT VENTURE)

STATE OF)

) SS:

COUNTY OF)

I HEREBY CERTIFY that a meeting of the Principals of the

_____

_____

a Corporation existing under the laws of the State of_____,

held on_____, 20_____, the following resolution was duly passed and adopted:

"RESOLVED, that, _____, as_____of the Joint Venture, be and is hereby authorized to execute the Bid dated,_____, 20_____, to the City of Doral official act and deed of this Joint Venture".

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand this_____, day of_____, 20_____.

Secretary: _____

(SEAL)

END OF SECTION

ITB SIGNATURE PAGE FOR SOLE PROPRIETOR OR PARTNERSHIP

The full names and residences of person, partners or firms interested in the foregoing ITB, as principals are as follows:

Witness:
(Seal)

Witness Signature

Witness Name

Bidder:

Firm Name

Signature

Print Name

Title (Sole Proprietor or Partner)

Post Office Address:

Telephone Num.

County in which fictitious name is registered.

ITB SIGNATURE PAGE FOR CORPORATION

The officers of the corporation are as follows:

	Name	Address
President		
Vice-President		
Secretary		
Treasurer		
Registered Agent		

The full names and residences of stockholders, persons, or firms interested in the foregoing ITB, as principals, are as follows:

Post Office Address

_____

_____

Bidder

_____
Corporate Name

_____
President's Signature

Is this corporation in the State of Florida?
_____Yes_____No

If no, give address of principle place of business:

Attest:
Secretary

_____

_____

_____

CERTIFICATE AS TO AUTHORIZED CORPORATE PERSONNEL

I, _____, certify that I am the _____ of _____, who signed the Bid with the City of Doral, Miami-Dade County, Florida, for the project titled _____, and that the following persons have the authority to sign payment requests on behalf of the Corporation:

(*Signature*)	(*Typed Name*)	(*Title*)
(*Signature*)	(*Typed Name*)	(*Title*)
(*Signature*)	(*Typed Name*)	(*Title*)

Signed and sealed this _____ day of _____, 20_____.

(SEAL) _____
Signature

_____
Type Name and Title

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

SWORN TO AND SUBSCRIBED before me this _____ day of _____, 20____.

My Commission Expires:

_____
Notary Public

LIST OF PROPOSED SUBCONTRACTORS

BIDDER shall list all Proposed Subcontractors to be used on this project if they are awarded the contract.

SCOPE	SUBCONTRACTOR NAME, ADDRESS AND LICENSE #
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

If, prior to Notice of the Award, the City or the CONTRACTOR has reasonable objection to and refuses to accept any CONTRACTOR, Supplier, person or organization listed, the BIDDER may, prior to Notice of Award, submit an acceptable substitute without an increase in their bid price.

END OF SECTION

BONDS AND CERTIFICATES

FORM OF PAYMENT BOND

KNOW ALL MEN BY THESES PRESENTS:

That, pursuant to the requirements of Florida Statute 255.05, we, _____ as Principal, hereinafter called Contractor, and _____, as Surety, are bound to the City of Doral, Florida, as Obligee, hereinafter called City, in the amount of _____Dollars ($_____) for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally.

WHEREAS, Contractor has by written agreement entered into a Contract, **ITB No. 2022-05**, awarded the _____ day of _____, 20_____, with the City of Doral for ***Doral Boulevard Median Landscaping Improvements Phase II***, in accordance with specification prepared by the City of Doral which Contract is by reference made a part hereof, and is hereafter referred to as the Contract;

THE CONDITION OF THIS BOND is that if the Contractor:

1. Indemnifies and pays City all losses, damages (specifically including, but not limited to, damages for delay and other consequential damages caused by or arising out of the acts, omissions, or negligence of Contractor), expenses, costs and attorney's fees including attorney's fees incurred in appellate proceedings, that City sustains because of default by Contractor under the Contract; and

2. Promptly makes payment to all claimants as defined by Florida Statute 255.05(1) supplying Contractor with all labor, materials, and supplies used directly or indirectly by Contractor in the prosecution of the Work provided for in the Contract, then this obligation shall be void; otherwise, it shall remain in full force and effect subject, however, to the following conditions:

   2.1 A claimant, except a laborer, who is not in privity with the Contractor and who has not received payment for their labor, materials, or supplies shall, within forty-five (45) days after beginning to furnish labor, materials, or supplies for the prosecution of the Work, furnish to the Contractor a notice that they intend to look to the Bond for protection.

   2.2 A claimant who is not in privity with the Contractor and who has not received payment for their labor, materials, or supplies shall, within ninety (90) days after performance of the labor, or after complete delivery of the materials or supplies, deliver to the Contractor and to the Surety, written notice of the performance of the labor or delivery of the

materials or supplies and of the non-payment.

2.3 No action for the labor, materials, or supplies may be instituted against Contractor of the Surety unless the notices stated under the preceding paragraphs 2.1 and 2.2 have been given.

2.4 Any action under this Bond must be instituted in accordance with the Notice and Time Limitations provisions prescribed in Section 255.05(2), Florida Statutes.

The Surety herby waives notice of and agrees that any changes in or under the Contract Documents and compliance of noncompliance with any formalities connected with the Contractor of the changes do not affect the Surety's obligation under this Bond.

Signed and sealed this _____ day of _____, 20_____.

WITNESS: _____

_____

By: _____

(Signature and Title)

(CORPORATE SEAL)

_____

(Type Name and Title signed above)

WITNESS: _____

(Name of Corporation)

_____

Secretary

By: _____

(Type Name and Title signed above)

IN THE PRESENCE OF; INSURANCE COMPANY:

By: _____

*Agent and Attorney-in-fact

Address: _____

(Street) _____

(City/State/Zip Code) _____

Telephone No.: (_____) _____

* (Power of Attorney must be attached)

State of _____

County of _____

On this, the _____ day of _____, 20_____, before me, the undersigned Notary Public of the State of _____, the foregoing instrument was acknowledged by _____ (name of corporate officer), _____ (title), of _____ (name of Corporation), a (state of corporation) corporation, on behalf of the corporation.

WITNESS my hand

And official seal

_____

Notary Public, State of

_____

Printed, typed, or stamped name of Notary Public exactly as commissioned

☐ Personally, known to me, or

☐ Personally identification:

_____

(Type of Identification Produced)

☐ Did take an oath, or

☐ Did NOT take an oath

FORM OF PERFORMANCE BOND

KNOW ALL MEN BY THESES PRESENTS:

That, pursuant to the requirements of Florida Statute 255.05, we, _____ as Principal, hereinafter called Contractor, and _____, as Surety, are bound to the City of Doral, Florida, as Obligee, hereinafter called City, in the amount of _____Dollars ($_____) for the payment whereof, Contractor and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally.

WHEREAS, Contractor has by written agreement entered into a Contract, **ITB No. 2022-05**, awarded the _____ day of _____, 20_____, with the City of Doral for ***ITB No. 2022-05 Doral Boulevard Median Landscaping Improvements Phase II***, in accordance with drawings (plans) and specification prepared by the City of Doral which Contract is by reference made a part hereof, and is hereafter referred to as the Contract;

THE CONDITION OF THIS BOND is that if the Contractor:

1. Fully performs the Contract between the Contractor and the City for ***Doral Boulevard Median Landscaping Improvements Phase II,*** as scheduled after the date of Contract commencement as specified in the Notice to Proceed and in the manner prescribed in the Contract; and bid specifications.

2. Indemnifies and pays City all losses, damages (specifically including, but not limited to, damages for delay and other consequential damages caused by or arising out of the acts, omissions, or negligence of Contractor), expenses, costs and attorney's fees including attorney's fees incurred in appellate proceeding, that City sustains because of default by Contractor under the Contract; and

3. Upon notification by the City, corrects any and all defective or faulty Work or materials which appear within **ONE (1) YEAR** from the final acceptance notice.

4. Performs the guarantee of all Work and materials furnished under the Contract for the time specified in the Contract, then this Bond is void, otherwise it remains in full force.

   Whenever Contractor shall be, and declared by City to be, in default under the Contract, the City having performed City's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:

   4.1 Complete the Contract in accordance with its terms and conditions; or

4.2 Obtain a Bid or Bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the best, lowest, qualified, responsible and responsive BIDDER, or, if the City elects, upon determination by the City, and Surety jointly of the best, lowest, qualified, responsible and responsive BIDDER, arrange for a Contract between such BIDDER and City, and make available as Work progress (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price, but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract Price" as used in this paragraph, shall mean that total amount payable by City to Contractor under the Contract and any amendments thereto, less the amount properly paid by City to Contractor.

No right of action shall accrue on this Bond to or for the use of any person or Corporation other than the City named herein.

The Surety hereby waives notice of and agrees that any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contractor of the changes do not affect Surety's obligation under this Bond.

Signed and sealed this _____ day of _____, 20_____.

WITNESS: _____

(Name of Corporation)

By: _____ _____

Secretary (Signature and Title)

(CORPORATE SEAL)

_____

(Type Name & Title signed above)

IN THE PRESENCE OF;

INSURANCE COMPANY:

By: _____

*Agent and Attorney-in-fact

Address: _____

(Street) _____

(City/State/Zip Code) _____

Telephone No.: (_____) _____

* (Power of Attorney must be attached)

State of _____

County of _____

On this, the _____ day of _____, 20_____, before me, the undersigned Notary Public of the State of _____, the foregoing instrument was acknowledged by _____ (name of corporate officer), _____ (title), of _____ (name of Corporation), a (state of corporation) corporation, on behalf of the corporation.

WITNESS my hand And official seal

_____

Notary Public, State of

_____

Printed, typed, or stamped name of Notary Public exactly as commissioned

☐ Personally, known to me, or

☐ Personally identification:

_____

(Type of Identification Produced)

☐ Did take an oath, or

☐ Did NOT take an oath

Bonded by: _____

BID BOND

STATE OF)

) SS:

COUNTY OF)

KNOW ALL MEN BY THESE PRESENTS, that we, _____, as Principal, and _____, as Surety, are held firmly bound unto the City of Doral, a municipal corporation of the State of Florida in the sum of _____Dollars ($_____), lawful money of the United States, for the payment of which sum and truly to be made, we bind ourselves, our heirs, executors, administrators and successors jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying Bid dated, _____, 20___ for: _____.

WHEREAS, it was a condition precedent to the submission of said Bid that a or Bid Bond in the amount of five percent (5%) of the Base Bid be submitted with said Bid as a guarantee that the BIDDER would, if awarded the Contract, enter into a written Contract with the City for the performance of said Contract, within ten (10) consecutive calendar days after written notice having been given of the Award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the Principal within ten (10) consecutive calendar days after written notice of such acceptance, enters into a written Contract with the City of Doral and furnishes the Performance and Payment Bonds, satisfactory to the City, each in an amount equal to one hundred percent (100%) of the Contract Price, and provides all required Certificates of Insurance, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the City of Doral and the Surety herein agrees to pay said sum immediately, upon demand of the City, in good and lawful money of the United States of America, as liquidated damages for failure thereof of said Principal.

IN WITNESS WHEREOF, the above bonded parties have executed this instrument under their several seals this _____ day of _____, 20_____, the name and the corporate seal of each corporate party being hereto affixed and these presents being duly signed by its undersigned representative.

IN PRESENCE OF:

_____ _____ (SEAL)

(Individual or Partnership Principal) (Business Name)

_____

(Business Address)

_____

(City/State/Zip)

_____

(Business Phone)

ATTEST:

_____(Corporate Surety) *

By: _____

*Impress Corporate Seal

IMPORTANT

Surety companies executing bonds must appear on the Treasury Department's most current list (circular 570 as amended) and be authorized to transact business in the State of Florida.

Signed, sealed and delivered in the presence of: _____

By: _____

_____

(Printed Name) (Title)

ATTACHMENTS
EXHIBIT A
MINIMUM INSURANCE REQUIREMENTS

I. Commercial General Liability

A. Limits of Liability

Bodily Injury & Property Damage Liability	
Each Occurrence	$2,000,000
Policy Aggregate (Per job or project)	$4,000,000
Personal & Advertising Injury	$1,000,000
Products & Completed Operations	$2,000,000

B. Endorsements Required

City of Doral listed as an additional insured
Contingent & Contractual Liability
Premises and Operations Liability
Primary Insurance Clause Endorsement
Explosion, Collapse & Underground Hazard

Waiver of Subrogation in favor of City

II. Business Automobile Liability

A. Limits of Liability

Bodily Injury and Property Damage	
Combined Single Limit	
Any Auto/Owned Autos or Scheduled Autos	
Including hired and Non-Owned Autos	
Any One Accident	$1,000,000

B. Endorsements Required

City of Doral listed as an additional insured

III. Workers Compensation

Statutory- State of Florida

Employer's Liability

A. Limits of Liability

$1,000,000 for bodily injury caused by an accident, each accident

$1,000,000 for bodily injury caused by disease, each employee
$1,000,000 for bodily injury caused by disease, policy limit
Workers Compensation insurance must be provided for all persons fulfilling this contract, whether employed, contracted, temporary or subcontracted.

V. **Umbrella/Excess Liability (Excess Follow Form)** can be utilized to provide the required limits. Coverage shall be "following form" and shall not be more restrictive than the underlying insurance policy coverages, including all special endorsements and City as Additional Insured status.

Subcontractors' Compliance: It is the responsibility of the CONTRACTOR to ensure that all Subcontractors comply with all insurance requirements.

All above coverage must remain in force and Certificate of Insurance on file with City without interruption for the duration of this agreement. Policies shall provide the City of Doral with 30 days' written notice of cancellation or material change from the insurer. If the policies do not contain such a provision, it is the responsibility of the CONTRACTOR to provide such notice within 10 days of the change or cancellation.

Certificate Holder: City of Doral, Florida
8401 NW 53rd Terrace
Doral, FL 33166

Certificates/Evidence of Property Insurance forms must confirm insurance provisions required herein. Certificates shall include Agreement, Bid/Contract number, dates, and other identifying references.

Insurance Companies must be authorized to do business in the State of Florida, and must be rated no less than "A-" as to management, and no less than "Class V" as to financial strength, by the latest edition of AM Best's Insurance Guide, or its equivalent.

Coverage and Certificates of Insurance are subject to review and verification by City of Doral Risk Management. City reserves the right but not the obligation to reject any insurer providing coverage due to poor or deteriorating financial condition. The City reserves the right to amend insurance requirements in order to sufficiently address the scope of services. These insurance requirements shall not limit the liability of the CONTRACTOR/Vendor. The City does not represent these types or amounts of insurance to be sufficient or adequate to protect the CONTRACTOR/Vendor's interests or liabilities but are merely minimums.

"EXHIBIT B"
CHANGE ORDER FORM



"For all the right reasons! SM

CHANGE ORDER FORM

To Contractor:

Change Order Number:

Proposal Number:

Project Name:

Project Number:

The City and Contractor hereby agree to perform the changes to the work as shown on the revised plans approved on: and/or the additional work as described on Proposal Number: , dated .

PROPOSAL DESCRIPTION:

Total Amount of this Change Order:

The City and Contractor agee to modify the original Contract by the following CHANGE ORDER amount:

Original Contract Amount.....
Net change by Previous authorized Change Orders.....
Contract Amount prior to this Change Order.....
Contract Amount will be (**increased**)(decrease)(unchanged) in the amount of.....
New Contract Amount including this Change Order.....
Contract Time will be (increased)(decreased)(**unchanged**) by.....

ACCEPTANCE: The above prices and specifications of the Change Order Proposal are satisfactory and are hereby accepte will perform the above stated work under the same terms and conditions as specified in original contract unless otherwise noted.

Contractor Signature: _____ **Date:** _____

Title: _____

Authorized CITY Signature: _____ **Date:** _____

Title: _____

“EXHIBIT C”
CONSTRUCTION PLANS

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Mayor
Juan Carlos Bermudez

Vice Mayor
Pete Cabrera

Councilwoman
Digna Cabral

Councilwoman
Claudia Mariaca

Councilman
Oscar Puig-Corve

Interim City Manager
Hernan M. Organvidez

CITY OF DORAL

PUBLIC WORKS

Carlos Arroyo, Director

8401 NW 53RD TERRACE
DORAL, FLORIDA 33166

DORAL BOULEVARD / NW 36TH ST.

NW 97TH AVENUE TO SR 826

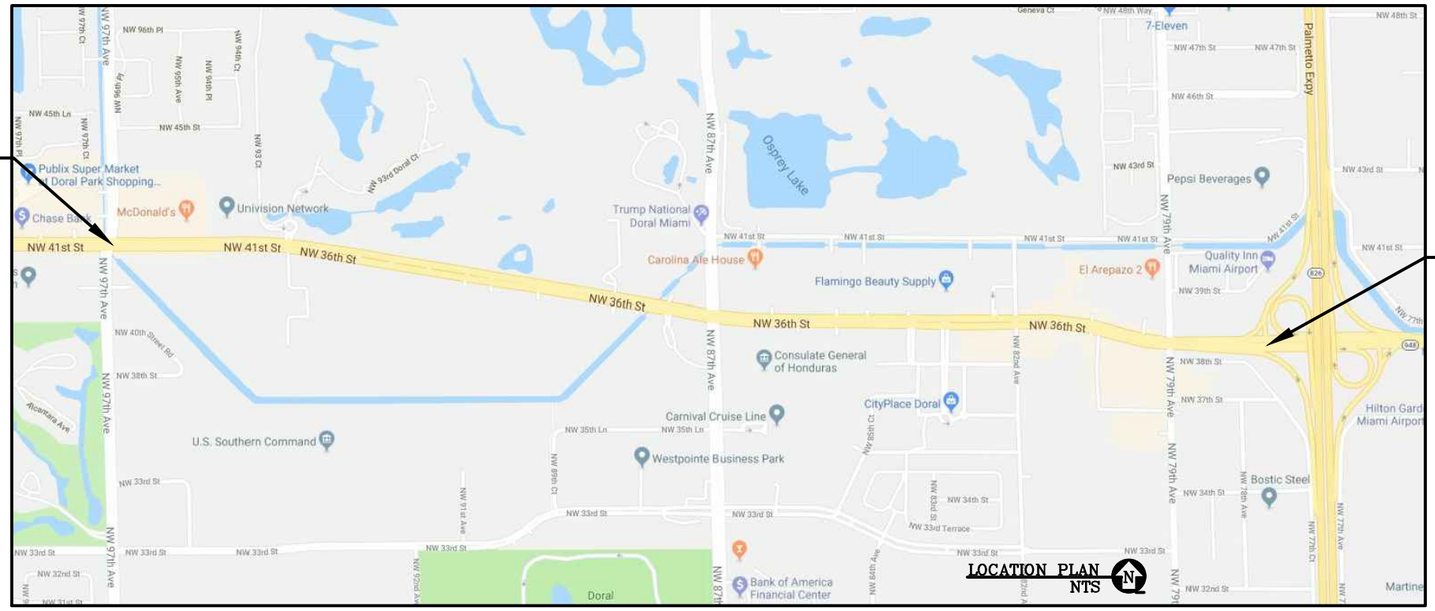
LANDSCAPE, LIGHTING AND IRRIGATION IMPROVEMENTS

FINAL PLANS - SEPTEMBER 2021

INDEX OF DRAWINGS

SHEET	DESCRIPTION
COVER	COVER
KEY	SHEET LAYOUT
LD-1 to LD-2	LANDSCAPE NOTES & DETAILS
LD-3	LANDSCAPE TABULATION OF QTYS
LD-4 to LD-27	LANDSCAPE PLANS
TCP-1	TEMP. TRAFFIC CONTROL PLAN
TCP-2	TEMP. TRAFFIC CONTROL QTYS
TD-1 to TD-2	TREE DISPOSITION SCHEDULE
TD-3 to TD-26	TREE DISPOSITION PLANS
IR-1	IRRIGATION TABULATION OF QTYS
IR-2 to IR-3	IRRIGATION NOTES & DETAILS
IR-4 to IR-28	IRRIGATION PLANS
E-1	ELECTRICAL KEY PLAN
E-2 to E-26	LANDSCAPE LIGHTING PLANS
E-27 to E-29	LANDSCAPE LIGHTING DETAILS

BEGIN PROJECT



END PROJECT

GOVERNING DESIGN STANDARDS:
FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)
2021 FDOT DESIGN MANUAL (FDM) AND APPLICABLE REVISIONS AT THE FOLLOWING WEBSITE:
HTTP://WWW.FDOT.GOV/ROADWAY/FDM

FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS (FLORIDA GREENBOOK) AT THE FOLLOWING WEBSITE:
HTTP://WWW.FDOT.GOV/ROADWAY/FLORIDAGREENBOOK/FGB.SHTM

GOVERNING STANDARD SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, JANUARY 2021 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
HTTP://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
1425 W Cypress Creek Road, Suite 101
Fort Lauderdale, FL 33309 • 954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO.
COVER

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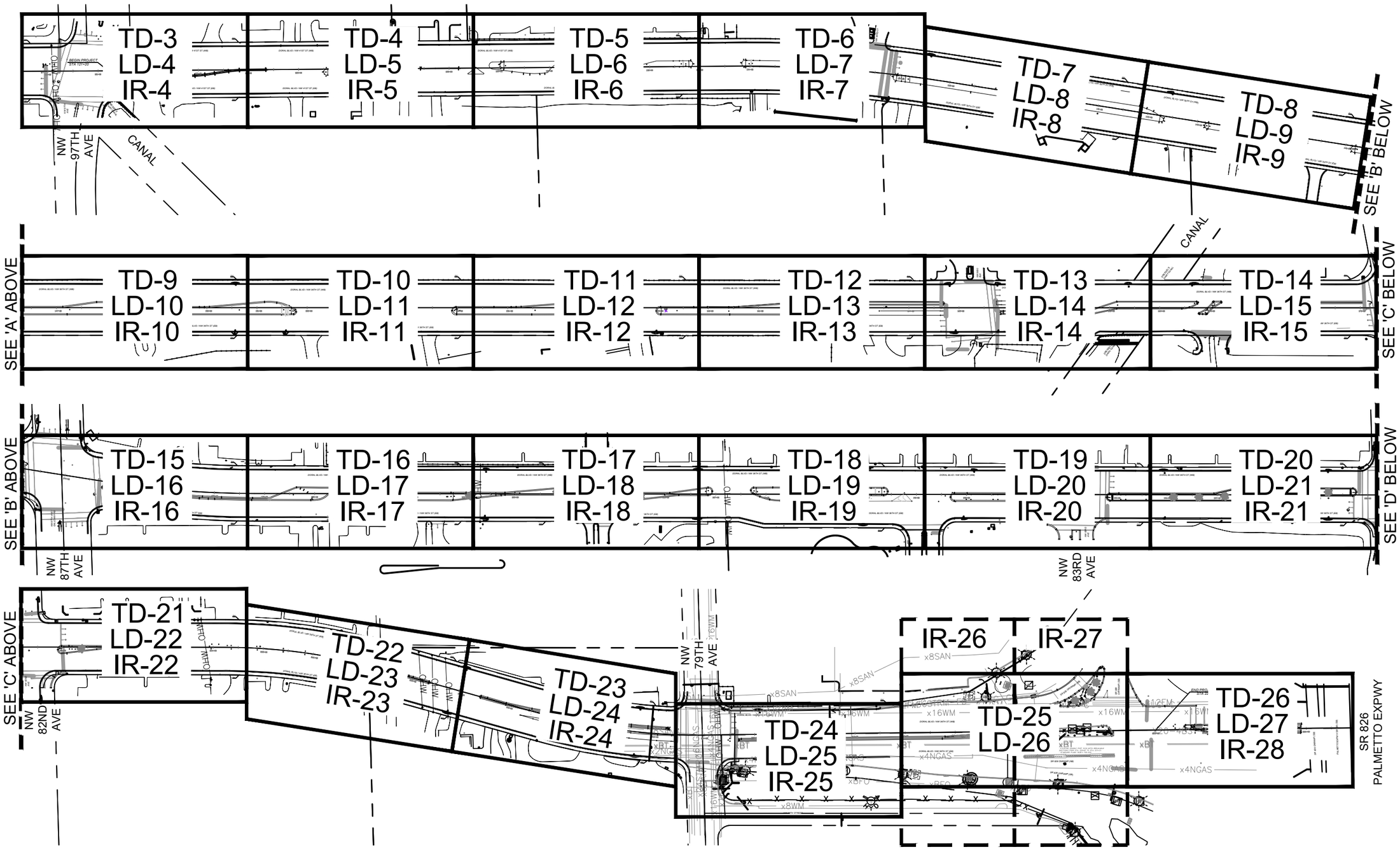

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

KEY PLAN
NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO.
KEY

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\00%\DSGNLD01_TD01.DWG

BASIS OF PAYMENT

1. PAYMENT DURING THE INSTALLATION PERIOD: THE SCHEDULE OF VALUES WILL BE THE BASIS FOR DETERMINING THE MONTHLY INSTALLATION PAYMENTS. PREPARE A MONTHLY PROGRESS INVOICE FOR WORK COMPLETED DURING THE INSTALLATION PERIOD AND SUBMIT THE PROGRESS INVOICE TO THE CITY. THE CITY WILL PAY FOR WORK UPON PROGRESS INVOICE APPROVAL. THE INVOICE MUST CONSIST OF THE FOLLOWING:
A. CONTRACT NUMBER, INVOICE NUMBER, INVOICE DATE AND THE PERIOD THAT THE INVOICE REPRESENTS.
B. THE BASIS FOR ARRIVING AT THE AMOUNT OF THE PROGRESS INVOICE INCLUDING QUANTITIES OF WORK COMPLETED, LESS PAYMENTS PREVIOUSLY MADE.
C. CONTRACT SUMMARY SHOWING THE PERCENTAGE OF DOLLAR VALUE OF COMPLETED WORK BASED ON THE PRESENT CONTRACT AMOUNT AND THE PERCENTAGE OF DAYS USED BASED ON THE PRESENT CONTRACT DAYS.

2. PAYMENT DURING THE ESTABLISHMENT PERIOD: THE MONTHLY INSPECTION REPORT WILL BE THE BASIS FOR DETERMINING MONTHLY ESTABLISHMENT PAYMENTS. DURING THE ESTABLISHMENT PERIOD PAYMENT IS SUBJECT TO THE COMPLETION OF THE DEFICIENCIES NOTED IN THE MONTHLY INSPECTION REPORT. IF DEFICIENCIES IDENTIFIED IN THE LANDSCAPE MONTHLY INSPECTION FORM, OR AFTER INSPECTION BY THE CITY, REMAIN INCOMPLETE BEFORE THE NEXT SCHEDULED MONTHLY INSPECTION, A MONTHLY ESTABLISHMENT PAYMENT WILL BE FORFEITED.

GENERAL NOTES:

1. REMOVE EXISTING PLANTS, SOD, DECORATIVE ROCK, AND TREES FROM MEDIANS WITHIN THE PROJECT LIMITS, EXCEPTING TREES IDENTIFIED TO REMAIN OR BE RELOCATED IN THE TREE DISPOSITION PLANS.

2. REMOVE EXISTING CONCRETE PAVERS AND LIMEROCK BASE FROM MEDIANS BETWEEN STATIONS 191+00 AND 200+00. FILL REMOVED VOLUME (PAVERS AND BASE) WITH TOPSOIL.

3. MULTIPLE APPLICATIONS OF HERBICIDE IS AN ACCEPTABLE FORM OF REMOVAL FOR EXISTING SOD.

ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE TO BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK OPERATIONS.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

LANDSCAPE NOTES

1 DESCRIPTION.

1.1 FURNISH, INSTALL, ESTABLISH AND MAINTAIN PLANT MATERIAL AND INCIDENTAL LANDSCAPING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ALLOWABLE CONTRACT TIME IS TWO SEPARATE PHASES CALLED INSTALLATION PERIOD AND ESTABLISHMENT PERIOD.

2 MATERIALS.

2.1. GRADE STANDARDS AND CONFORMITY WITH TYPE AND SPECIES: INSTALL PLANT MATERIALS PURCHASED FROM FLORIDA COMMERCIAL NURSERY STOCK THAT COMPLY WITH REQUIRED INSPECTION, GRADING STANDARDS AND PLANT REGULATIONS IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF AGRICULTURE'S "GRADES AND STANDARDS FOR NURSERY PLANTS." BEFORE INSTALLATION, PROVIDE THE CITY WITH A CERTIFICATION FROM THE SUPPLYING NURSERY THAT PLANT MATERIALS ARE PURCHASED FROM FLORIDA COMMERCIAL NURSERY STOCK. UNLESS OTHERWISE SPECIFIED, THE MINIMUM GRADE FOR PLANT MATERIAL IS FLORIDA NO. 1. PLANT MATERIAL MUST BE THE SPECIFIED SIZE AND GRADE AT THE TIME OF DELIVERY TO THE SITE. PLANT MATERIALS MUST BE AVAILABLE FOR INSPECTION BEFORE PLANTING. SUBMIT A LIST OF NURSERIES WHERE PLANTS ARE TAGGED, INCLUDING CONTACT INFORMATION AND LOCATION. THE CITY AND CONTRACTOR MAY VISIT THE NURSERY SITES TO INSPECT REPRESENTATIVE SAMPLES AND LOCK TAG EXAMPLE PLANT MATERIAL.

2.2 SOIL AMENDMENT.
BACKFILL PLANTING HOLES WITH A 75/25 MIX OF 100 PERCENT DECOMPOSED COMPOST AND EXISTING SOIL.

2.3 MULCH
USE SMALL PINE BARK NUGGET MULCH.

2.4 SUBMITTALS:
BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:
A. SCHEDULE OF VALUES FOR EACH ITEM OF WORK.
B. WEED CONTROL PRODUCT INFORMATION AND APPLICATION PROCEDURES.
C. WATERING APPLICATION PROCEDURES.
D. SOIL AMENDMENT PRODUCT INFORMATION AND APPLICATION PROCEDURES.
E. FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES.
F. LANDSCAPE CONTRACTOR CERTIFICATION BY THE FLORIDA NURSERY GROWERS AND LANDSCAPE ASSOCIATION (FNGLA).
G. ARBORIST CERTIFICATION BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE.
H. SHOP DRAWING OF THE TREE TAGGING METHOD TO THE LANDSCAPE ARCHITECT FOR REVIEW.
I. ROOT PRUNING PROCEDURES.
J. NURSERY CERTIFICATION.
K. ESTABLISHMENT PLAN.
L. SMALL PINE BARK NUGGET MULCH SAMPLE.

3 INSTALLATION PERIOD.

3.1 THE INSTALLATION PERIOD PRECEDES THE ESTABLISHMENT PERIOD AND IS THE ALLOWABLE CONTRACT TIME MINUS THE ESTABLISHMENT PERIOD.
3.2 A FNGLA CERTIFIED LANDSCAPE CONTRACTOR MUST BE ON SITE TO DIRECT LANDSCAPE OPERATIONS
3.3 LAYOUT: BEFORE INSTALLATION, MARK MOWING LIMITS, PLANTING BEDS AND INDIVIDUAL LOCATIONS OF PLANTS. NOTIFY THE CITY WHEN MARKING IS COMPLETE. ADJUST FINAL LOCATIONS TO ACCOMMODATE FIELD CONDITIONS OR AS DIRECTED.

3.4 RELOCATION:
A. ATTACH TREE IDENTIFICATION TAGS THAT MATCH THE PLAN NUMBERS.
B. WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING.
C. ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART.
D. ROOT PRUNE 8 WEEKS BEFORE RELOCATION.
E. MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE 8 WEEKS.
F. INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO THEIR NEW LOCATIONS.

3.5 SITE REPAIR AND RESTORATION: REPAIR AND RESTORE EXISTING ITEMS DISTURBED BY INSTALLATION, ESTABLISHMENT OR MAINTENANCE ACTIVITIES. REMOVE AND DISPOSE OF DEBRIS AND EXCESS MATERIAL GENERATED AT THE END OF EACH DAY'S WORK.

3.6 INSTALLATION COMPLETION: NOTIFY THE CITY NO LESS THAN SEVEN CALENDAR DAYS IN ADVANCE OF COMPLETION.

4. ESTABLISHMENT PERIOD.

4.1 THE ONE-YEAR ESTABLISHMENT PERIOD BEGINS WHEN THE CITY ACCEPTS THE INSTALLATION REGARDLESS OF THE DURATION OF THE TIME USED FOR THE INSTALLATION PERIOD.

4.2 ESTABLISHMENT PLAN: SUBMIT AN ESTABLISHMENT PLAN TO THE CITY FOR REVIEW AND COMMENT. SPECIFICALLY DESCRIBE THE METHODS, ACTIVITIES, MATERIALS AND SCHEDULE TO ACHIEVE ESTABLISHMENT OF PLANT MATERIAL AND INCIDENTAL LANDSCAPING. ACCEPTANCE OF THE ESTABLISHMENT PLAN IS NOT A RELEASE FROM RESPONSIBILITY OF ESTABLISHMENT REQUIREMENTS. PERFORM ANCILLARY ACTIVITIES THAT MAY BE REQUIRED TO ESTABLISH AND MAINTAIN THE PLANT MATERIAL AND INCIDENTAL LANDSCAPING.

4.3 ESTABLISHMENT REQUIREMENTS.
DURING THE ESTABLISHMENT PERIOD, AT A MINIMUM:
A. PLANT QUALITY: MAINTAIN PLANT MATERIAL AT THE SPECIFIED MINIMUM GRADE, OR BETTER. INSTALL REPLACEMENT PLANT MATERIAL OF THE SAME SPECIES IN THE CONTRACT DOCUMENTS. REPLACEMENT SIZE MUST MATCH THE SIZE OF ADJACENT GROWN-IN PLANT MATERIAL OF THE SAME SPECIES THAT MAY BE LARGER THAN THE INITIALLY INSTALLED SIZE. THE ESTABLISHMENT PERIOD FOR REPLACEMENT PLANT MATERIAL WILL BE THE REMAINING ESTABLISHMENT PERIOD OR 1 YEAR AFTER DATE OF REPLACEMENT INSTALLATION ACCEPTANCE, WHICHEVER IS GREATER.

B. WATERING: MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4-INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HAND CLUMP.
C. FERTILIZER: APPLY 8-2-12+4 MG FERTILIZER, PLUS WATER SOLUBLE MICRONUTRIENTS. 100 PERCENT OF THE (N) NITROGEN, (K) POTASSIUM, (MG), MAGNESIUM AND (B) BORON MUST BE IN CONTROLLED RELEASE FORM. APPLY 1.5 POUNDS OF ACTUAL FERTILIZER PER 100 SQUARE FEET FROM A CALIBRATED SPREADER. BEGIN FERTILIZATION AT INSTALLATION AND REPEAT EVERY 3 MONTHS.
D. MULCH: MAINTAIN A 3-INCH MULCH COVER OF SMALL PINE BARK NUGGETS.
E. WEED CONTROL: ERADICATE UNDESIRABLE VEGETATION AND ERADICATE FLORIDA EXOTIC PLANT PEST COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES, INCLUDING FROM WALLS AND WITHIN FENCES.
F. PRUNING: PRUNING IS REQUIRED DURING THE INSTALLATION PERIOD AND THROUGHOUT THE ESTABLISHMENT PERIOD. AN ISA CERTIFIED ARBORIST MUST BE ON SITE TO DIRECT PRUNING OPERATIONS. FOLLOW ANSI A300 PART 1 AND THE CONTRACT DOCUMENTS. PRUNE TO MAINTAIN FLORIDA NO. 1 STRUCTURE, TO REMOVE CROSSING, DEFLECTING AND CIRCLING ROOTS, CROSSING, DEAD, DAMAGED AND CODOMINANT BRANCHING, FOR SIGN VISIBILITY, FOR FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS, AND FDM Section 212.11 - CLEAR SIGHT TRIANGLES.
G. REMOVE LITTER AND DEBRIS.
H. OPERATE AND MAINTAIN THE IRRIGATION SYSTEM AND LIGHTING SYSTEM.
I. REMOVE STAKING AND GUYING FROM ESTABLISHED PLANTS.
J. PERFORM MOWING.

5 INSPECTION AND REPORTING REQUIREMENTS: DURING THE ESTABLISHMENT PERIOD, COORDINATE WITH THE CITY AND PERFORM MONTHLY INSPECTIONS. SUBMIT THE MONTHLY INSPECTION REPORT WITHIN SEVEN CALENDAR DAYS. INCLUDE IN THE MONTHLY INSPECTION REPORT AT A MINIMUM, THE FOLLOWING:
A. CONTRACT NUMBER, INSPECTION NUMBER, DATE AND LOCATION OF INSPECTION.
B. CONDITION OF PLANTS - IDENTIFY BY SPECIES AND LOCATION, THOSE NO LONGER THE SPECIFIED MINIMUM GRADE.
C. SOIL MOISTURE LEVEL.
D. CONDITION OF MULCH COVER.
E. PRUNING REQUIREMENTS.
F. WEED CONTROL.
G. MOWING REQUIREMENTS.
H. CONDITION AND OPERATION OF THE IRRIGATION AND LIGHTING SYSTEMS.
I. OTHER DEFICIENCIES.
J. ACCOMPANYING PHOTOGRAPHS OF EACH ITEM.
K. CONTRACTOR'S RESPONSE, ACTION, AND SCHEDULE.

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE NTS
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

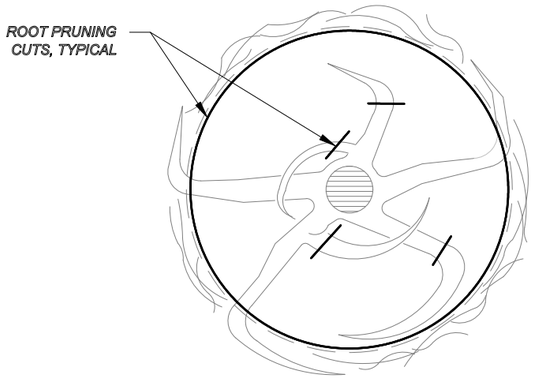
LANDSCAPE NOTES

SHEET NO. LD-1

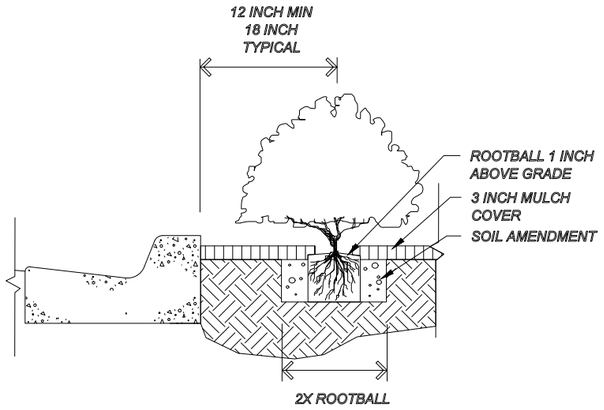
10/29/2021 11:38 AM; Layout Tab: LD01; Pen Table: ----; Plot Created by: TODD MOHLER;

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGN\LD01_TD01.DWG

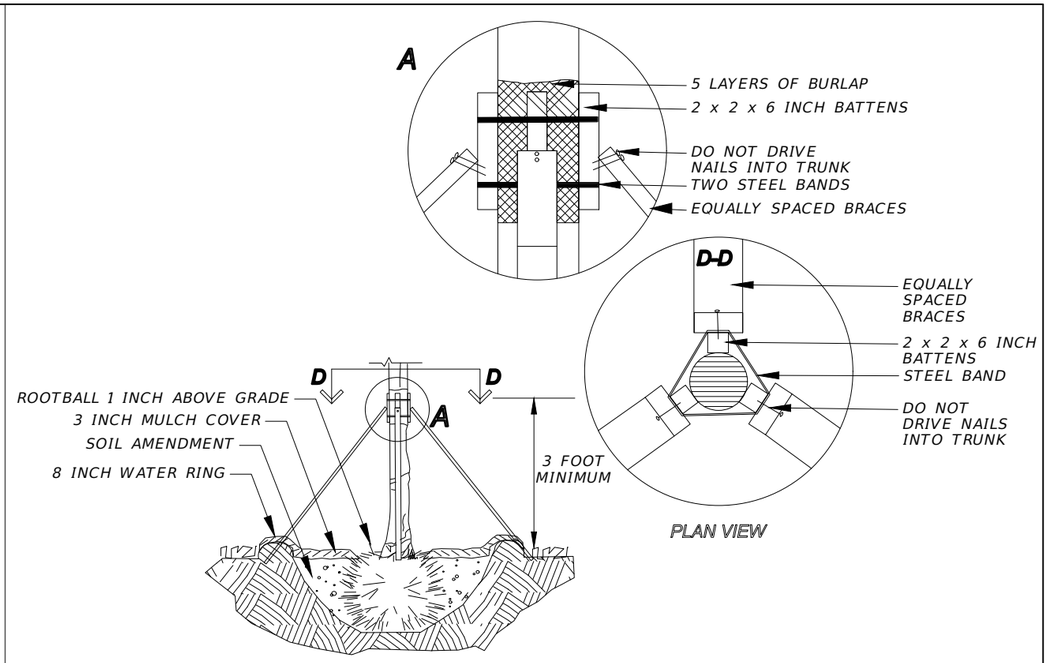
NOTE:
CUT CROSSING, DEFLECTING AND CIRCLING ROOTS BEFORE INSTALLATION. THIS MAY REQUIRE CUTTING ALL OF THE ROOTS AT THE ROOTBALL PERIMETER, AND CUTTING INDIVIDUAL ROOTS WITHIN THE ROOTBALL.



ROOT PRUNING REQUIREMENT

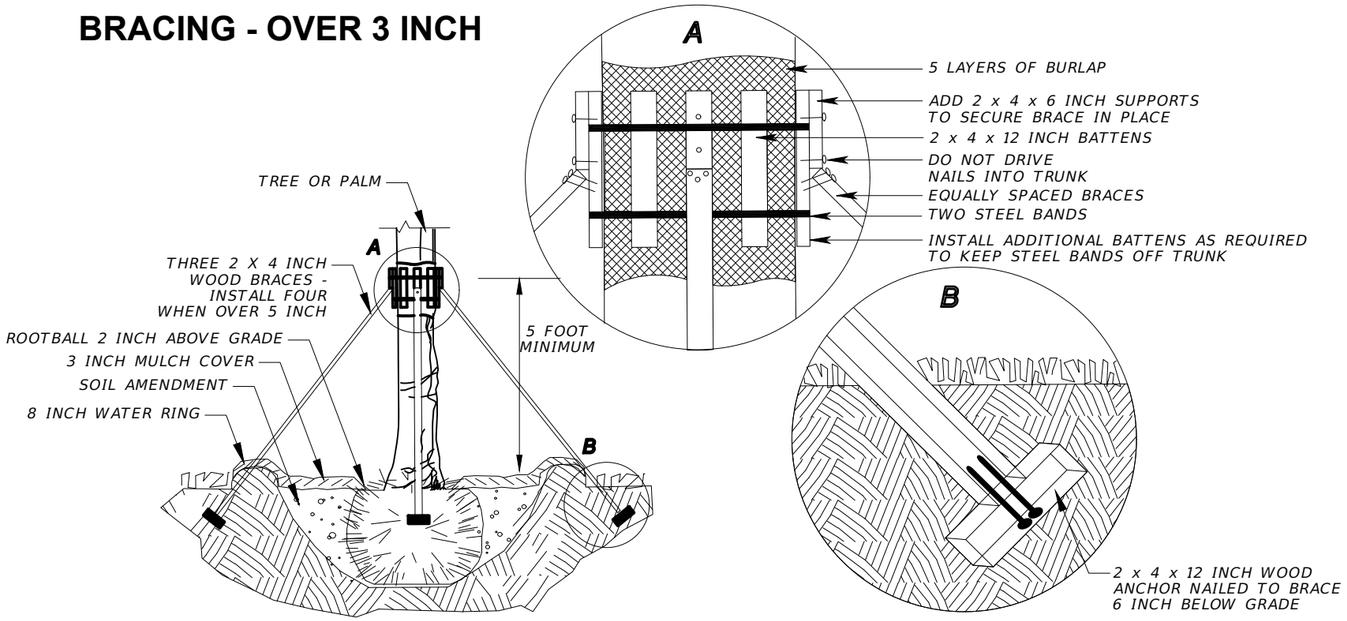


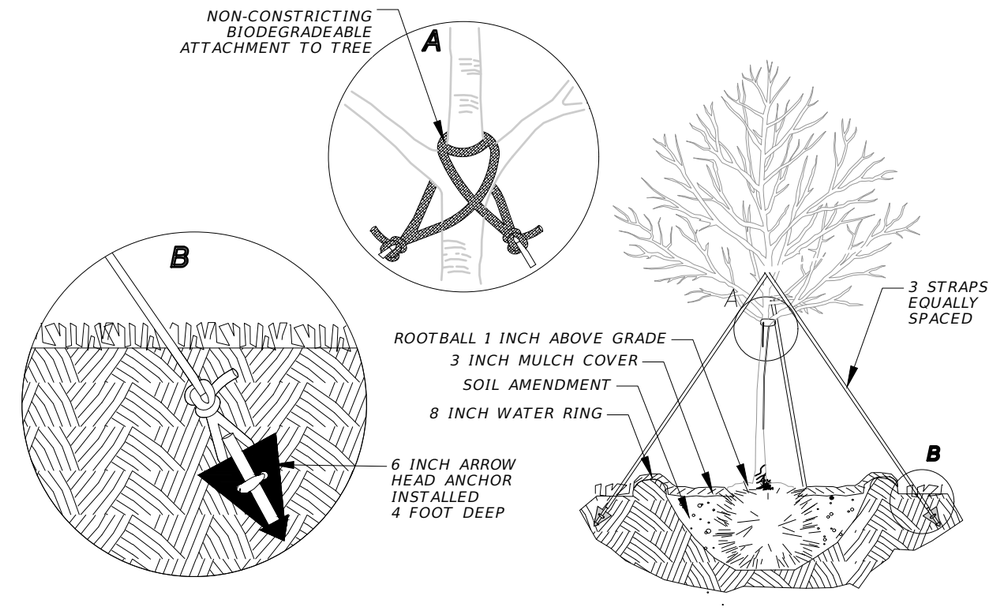
SHRUB INSTALLATION



BRACING SMALL PALM - UP TO 3 INCH

BRACING - OVER 3 INCH





BRACING - UP TO 3 INCH

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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DRAWN BY JW
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE DETAILS

SHEET NO. LD-2

10/29/2021 11:39 AM; Layout Tab: LD02; Pen Table: ---; Plot Created by: TODD MOHLER;

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LANDSCAPE TABULATION OF QUANTITIES

TREES	*QTY (EA)*	*SCIENTIFIC NAME*	*COMMON NAME*	*SPACING*	*SIZE*	*MAINTAINED HEIGHT*	*REMARKS*	***REPLACEMENT CANOPY SF PER TREE*	***REPLACEMENT CANOPY SF TOTAL*
BA	5	BULNESIA ARBOREA	VERAWOOD	*SHOWN*	2 IN CAL X 12 FT HT X 6 FT SPR	NF		500	2500
CH	10	CHAMAEROPS HUMILIS	MEDITERRANEAN FAN PALM	*SHOWN*	4 FT HT, OA, 3 TRUNKS MINIMUM	NF			
JI	40	JATROPHA INTEGERRIMA	SPICY JATROPHA	*SHOWN*	2 IN CAL X 6 FT HT X 3 FT SPR	NF	STANDARD		
LJ	23	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	*SHOWN*	2 IN CAL X 8 FT HT X 8 FT SPR	NF	MULTI-TRUNK - 6 MIN.	200	4600
LS	28	LAGERSTROEMIA SPECIOSA	QUEEN'S CRAPE MYRTLE	*SHOWN*	2 IN CAL X 12 FT HT X 6 FT SPR	NF	SINGLE TRUNK	500	14000
MG	8	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	DWARF SOUTHERN MAGNOLIA	*SHOWN*	2 IN CAL X 8 FT HT X 5 FT SPR	NF	FULL TO GROUND	300	2400
PE(A)	57	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	*SHOWN*	16 FT CT, NO VERTICAL FISSURES	NF	SINGLE TRUNK	100	5700
PE(B)	11	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	*SHOWN*	13 FT CT, NO VERTICAL FISSURES	NF	SINGLE TRUNK	100	1100
PE(C)	13	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	*SHOWN*	10 FT CT, NO VERTICAL FISSURES	NF	SINGLE TRUNK	100	1300
PS RELF	2	PHOENIX SYLVESTRIS	SYLVESTER PALM	*SHOWN*		NF	RELOCATE		
QV	3	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	*SHOWN*	5 IN CAL X 16 FT HT X 8 FT SPR	NF		500	1500
RR RELF	17	ROYSTONEA REGIA	ROYAL PALM	*SHOWN*		NF	RELOCATE		
VM	5	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	*SHOWN*	10 FT CT, NO VERTICAL FISSURES	NF		300	1500
VM RELF	3	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	*SHOWN*		NF	RELOCATE		
									TOTAL
									34,600
SHRUBS	*QTY (EA)*	*SCIENTIFIC NAME*	*COMMON NAME*	*SPACING*	*SIZE*	*MAINTAINED HEIGHT*			
CA	67	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM	*SHOWN*	4 FT HT X 3 FT SPR	NF			
CC	53	CALLISTEMON CITRINUS 'LITTLE JOHN'	DWARF BOTTLE BRUSH	*SHOWN*	12 IN HT X 12 IN SPR	3-4 FOOT			
CF	99	CORDYLINE FRUTICOSA 'BLACK MAGIC'	BLACK MAGIC TI PLANT	*SHOWN*	36 IN HT X 24 IN SPR	NF			
CG	2416	CLUSIA FLUMINENSIS (FKA 'NANA')	DWARF CLUSIA	24 IN O.C.	12 IN HT X 12 IN SPR	12-18 INCH			
CI	1158	CHRYSOBALANUS ICACO 'HORIZONTALIS'	HORIZONTAL COCOPLUM	18 IN O.C.	15 IN HT X 15 IN SPR	2-3 FOOT			
CS	80	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	24 IN O.C.	18 IN HT X 12 IN SPR	2-3 FOOT			
FG	703	FICUS MICROCARPA 'GREEN ISLAND'	GREEN ISLAND FICUS	24 IN O.C.	15 IN HT X 15 IN SPR	12-18 INCH			
IV	639	ILEX VOMITORIA 'STOKES DWARF'	DWARF YAUPON	18 IN O.C.	12 IN HT X 12 IN SPR	12-18 INCH			
IX	950	IXORA X 'PETITE TAIWAN RED'	DWARF RED TAIWAN IXORA	18 IN O.C.	15 IN HT X 12 IN SPR	12-15 INCH			
ST	1146	SCHEFFLERA ARBORICOLA 'TRINETTE'	SCHEFFLERA TRINETTE	24 IN O.C.	18 IN HT X 12 IN SPR	3-4 FOOT			
GROUNDCOVER	*QTY (EA)*	*SCIENTIFIC NAME*	*COMMON NAME*	*SPACING*	*SIZE*	*MAINTAINED HEIGHT*			
AG	2350	ARACHIS GLABRATA	PERENNIAL PEANUT	15 IN O.C.	6 IN HT X 12 IN SPR	3-6 INCH			
EG	1590	EVOLVULUS GLOMERATUS	BLUE DAZE	15 IN O.C.	6 IN HT X 12 IN SPR	15-18 INCH			
IH	1308	IMPATIENS HAWKERI*	NEW GUINEA IMPATIENS	12 IN O.C.	12 IN HT X 12 IN SPR	15-18 INCH			
JC	3379	JUNIPERUS CONFERTA 'BLUE PACIFIC'	SHORE JUNIPER	18 IN O.C.	8 IN HT X 12 IN SPR	12-15 INCH			
SOD	*QTY (SF)*	*SCIENTIFIC NAME*	*COMMON NAME*	*SPACING*	*SIZE*	*MAINTAINED HEIGHT*			
SS	11137	STENOTAPHRUM SECUNDATUM 'PALMETTO'	PALMETTO' ST. AUGUSTINE GRASS	SOLID SOD		3-6 INCH			

* CONTRACTOR TO PROVIDE SEASONAL ALTERNATIVE FOR APPROVAL AT NO COST IF IMPATIENS ARE OUT OF SEASON AT TIME OF INSTALLATION.
** MIAMI-DADE COUNTY

ABBREVIATIONS: IN = INCH, FT = FOOT, HT = HEIGHT, SPR = SPREAD, CT = CLEAR TRUNK, CAL = CALIPER, O.C. = ON CENTER, SF = SQUARE FOOT, NF = NATURAL FORM

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE NTS
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE TABULATION OF QUANTITIES

SHEET NO. LD-3

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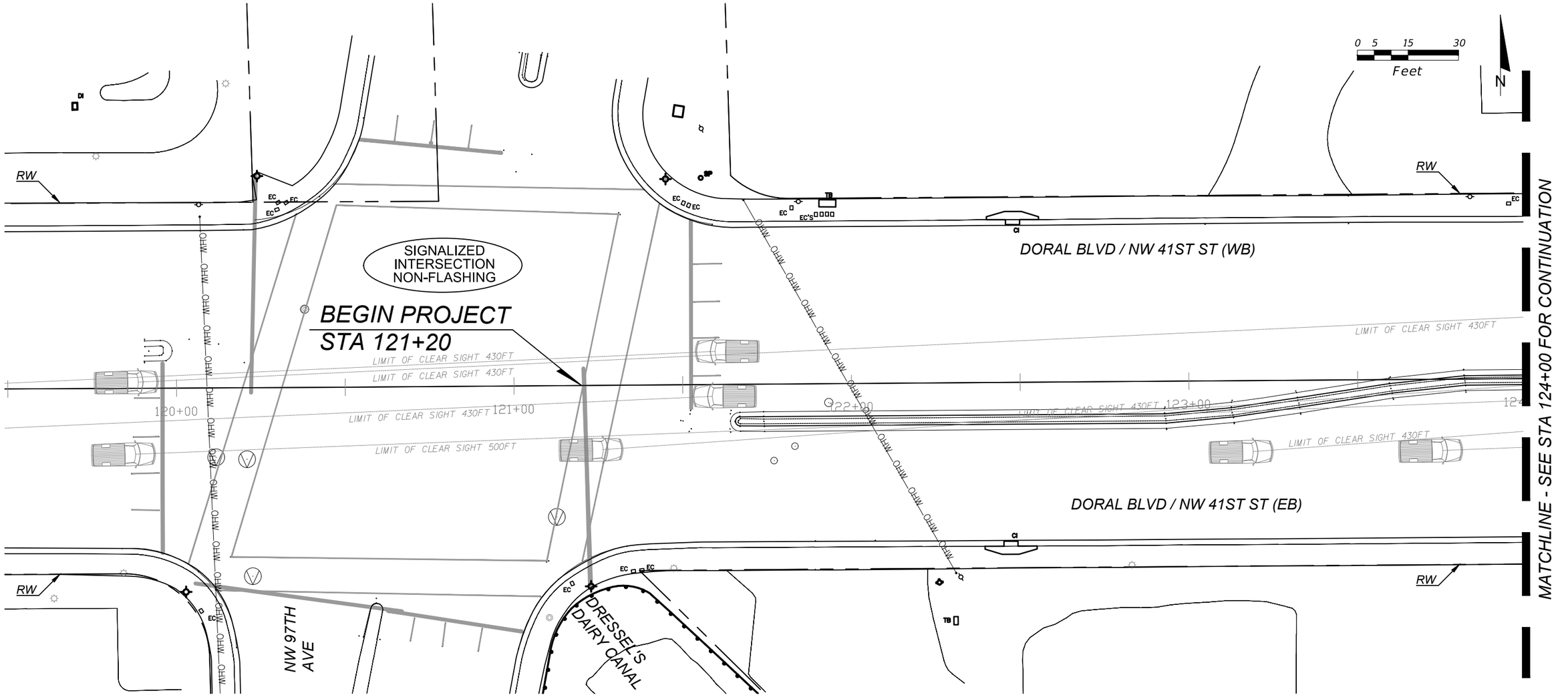

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER A 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-4

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG

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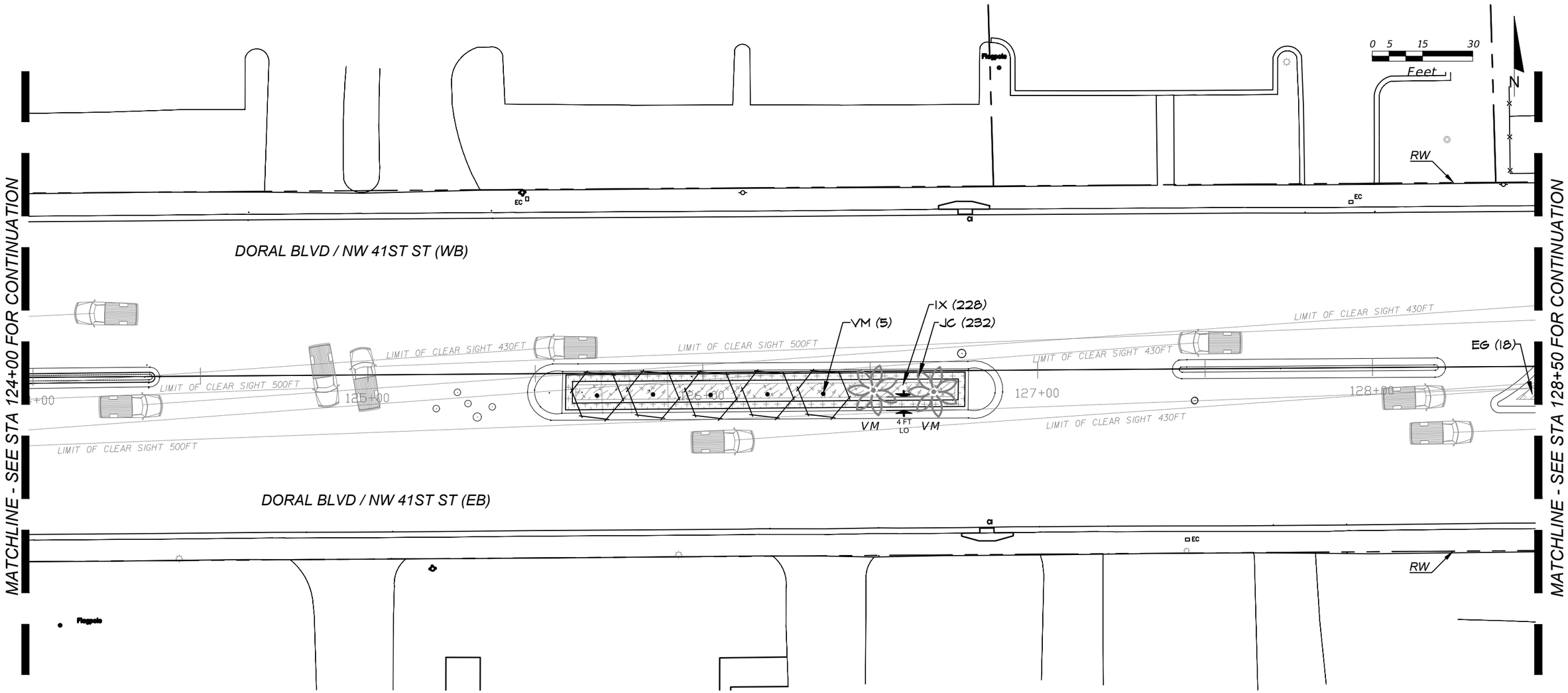

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
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CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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SCALE 1" = 30'
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-5

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGN\LD01_TD01.DWG
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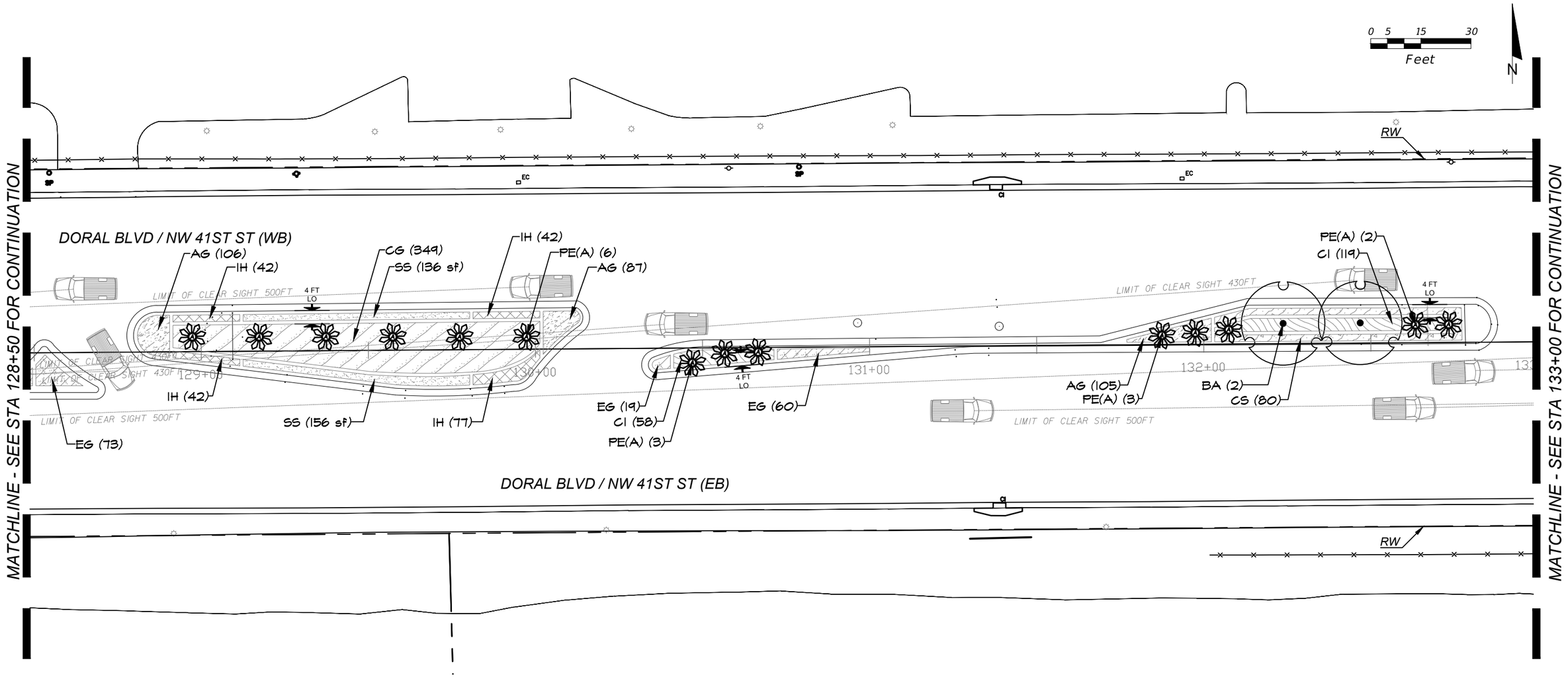

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CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

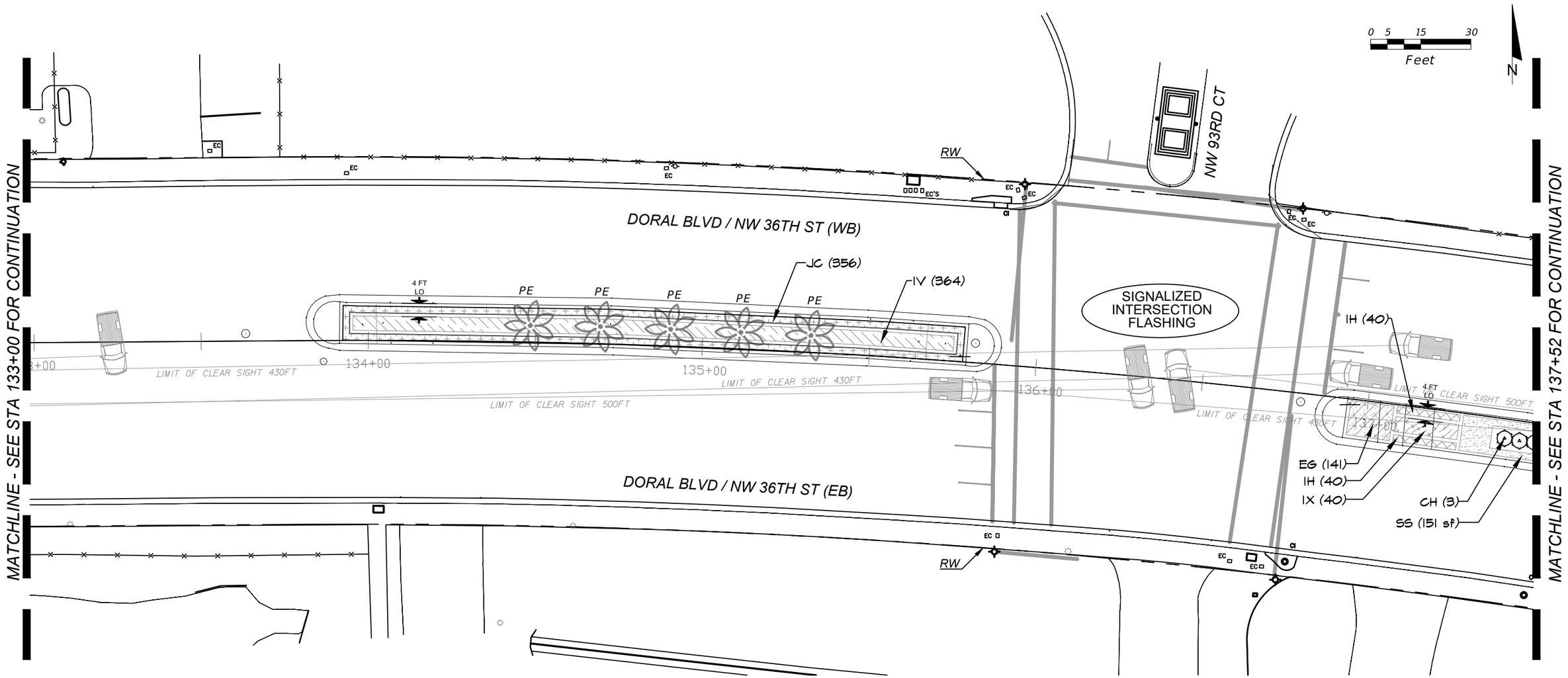
REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-6

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG



PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
1425 W Cypress Creek Road, Suite 101
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-7

10/29/2021 11:39 AM; Layout Tab: LD07; Pen Table: ---; Plot Created by: TODD MOHLER;

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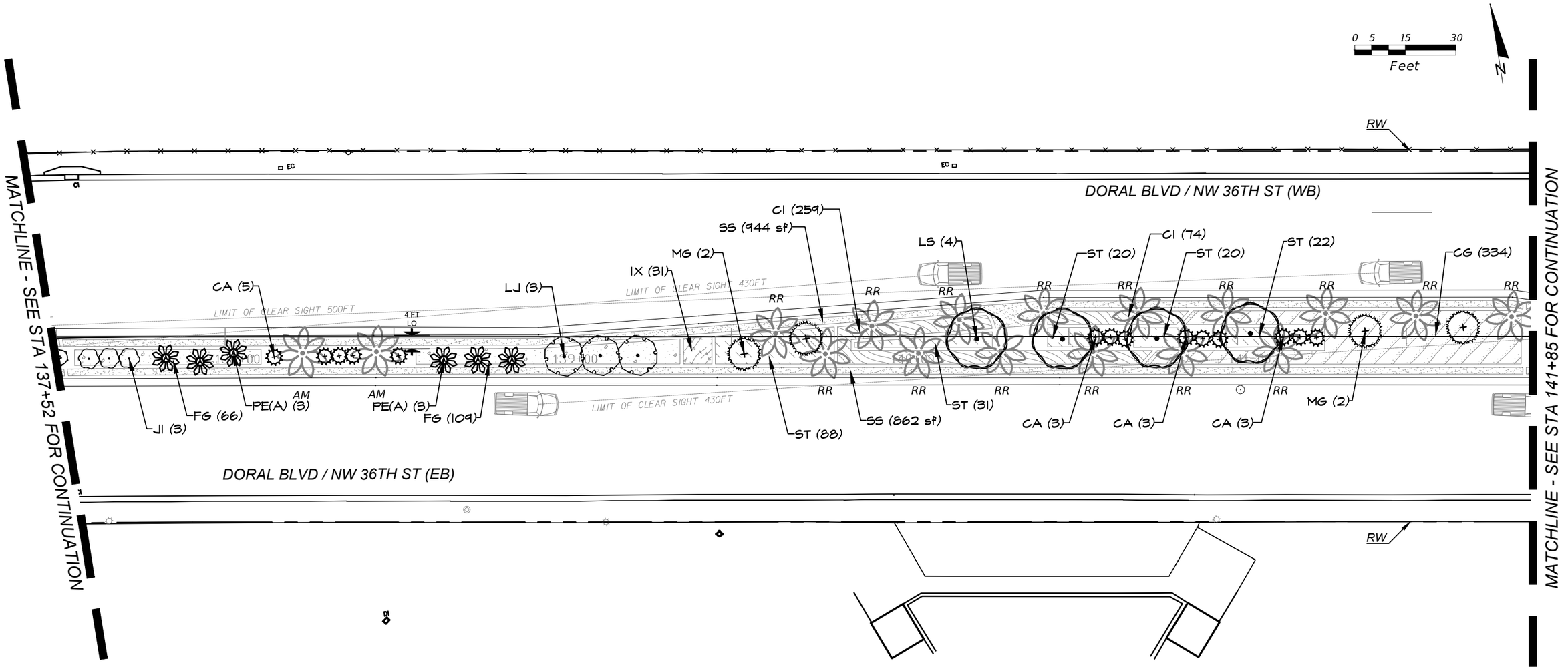

PLANT KEY	CODE	SCIENTIFIC NAME	COMMON NAME
	AG	Arachis glabrata	Perennial Peanut
	BA	Bulnesia arborea	Verawood
	CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
	CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
	CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
	CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
	CH	Chamaerops humilis	Mediterranean Fan Palm
	CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: **18193.05**
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

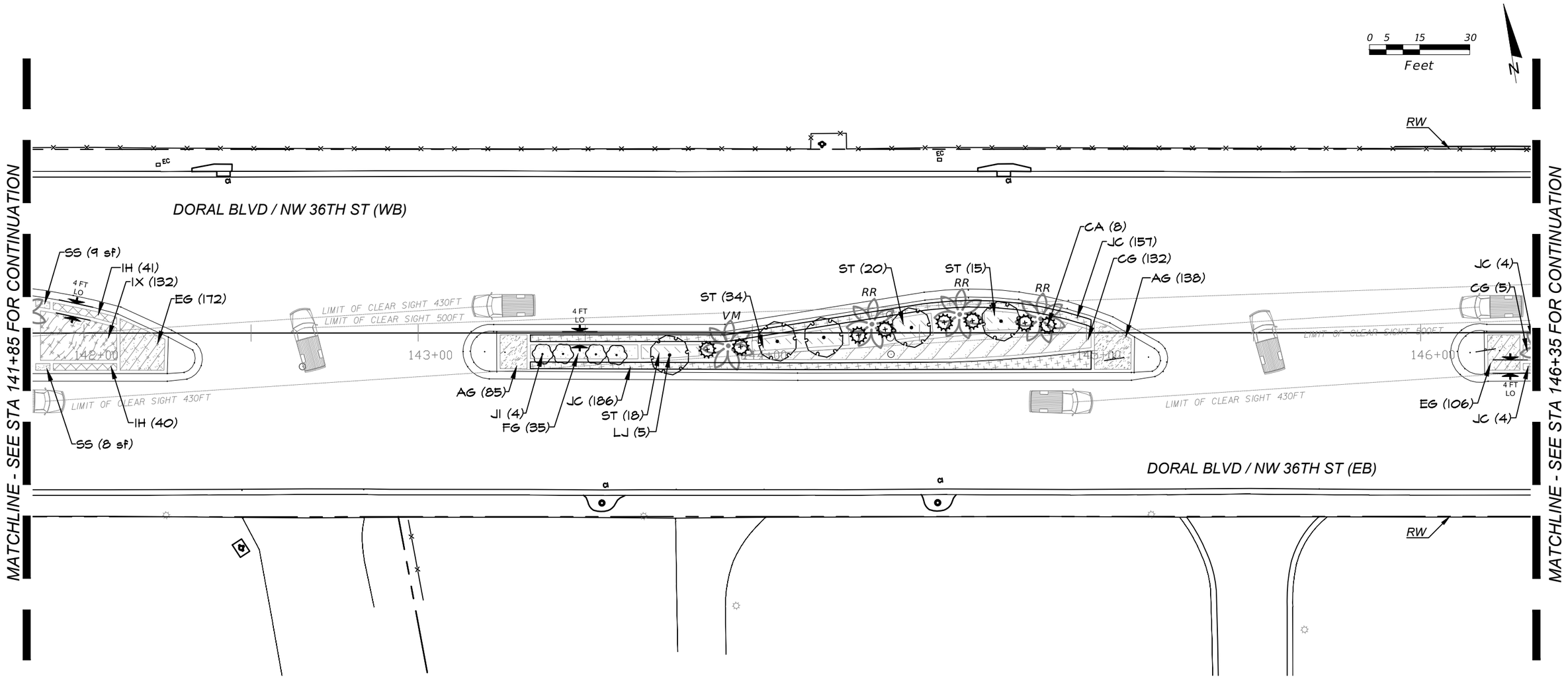
REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-8

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG



PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-9

10/29/2021 11:39 AM; Layout Tab: LD09; Pen Table: ----; Plot Created by: TODD MOHLER;

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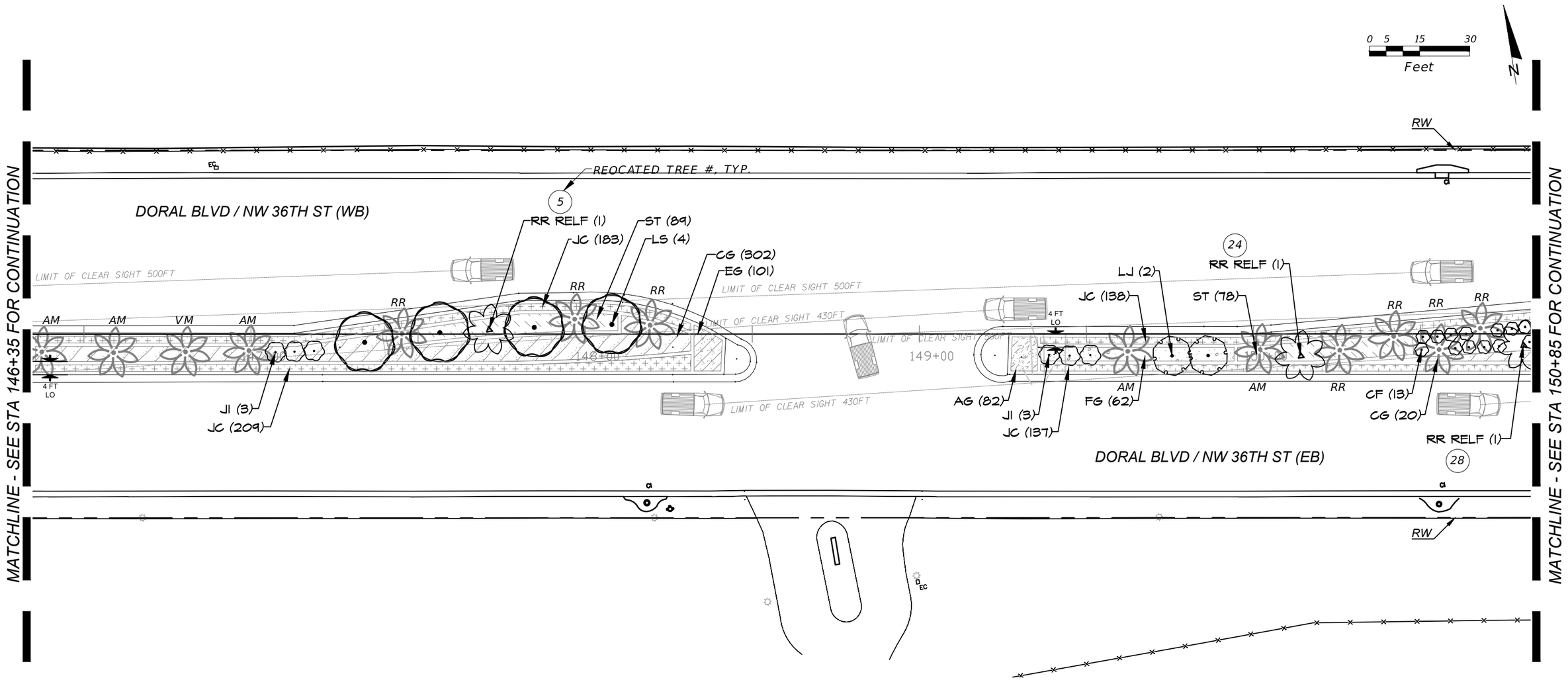

PLANT KEY	CODE	SCIENTIFIC NAME	COMMON NAME
	AG	Arachis glabrata	Perennial Peanut
	BA	Bulnesia arborea	Verawood
	CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
	CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
	CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
	CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
	CH	Chamaerops humilis	Mediterranean Fan Palm
	CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-10

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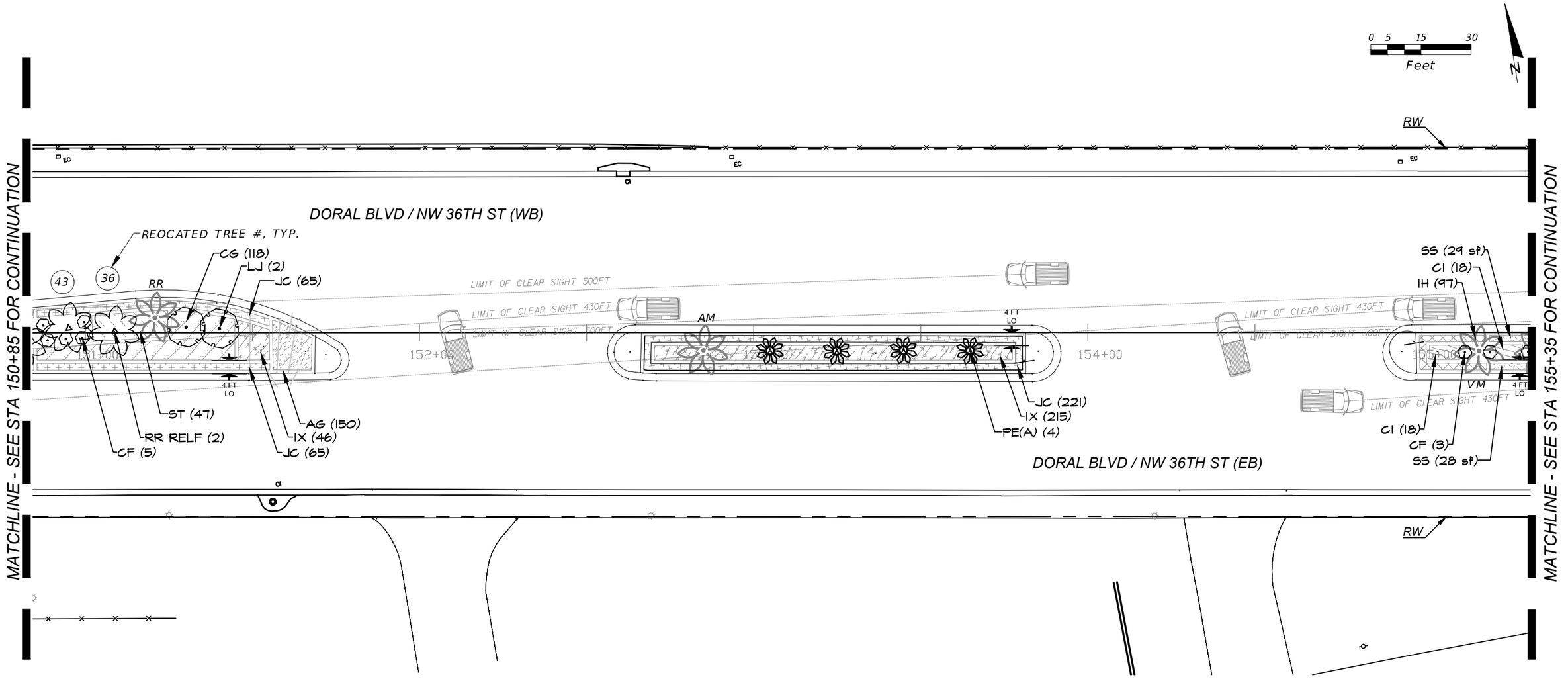

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-11

10/29/2021 11:39 AM; Layout Tab: LD11; Pen Table: ---; Plot Created by: TODD MOHLER;

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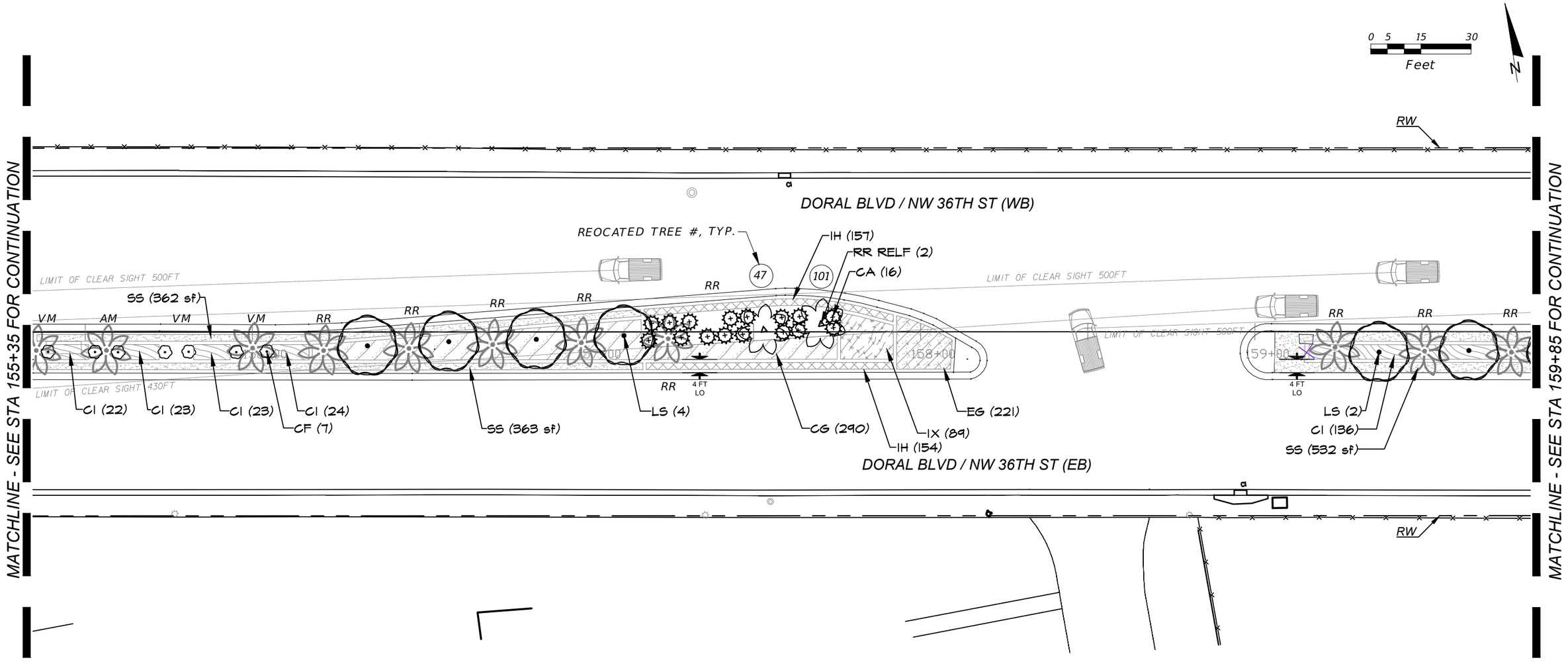

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
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CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
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IH	Impatiens hawkeri	New Guinea Impatiens
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IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
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PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-12

10/29/2021 11:39 AM; Layout Tab: LD12; Pen Table: ---; Plot Created by: TODD MOHLER;

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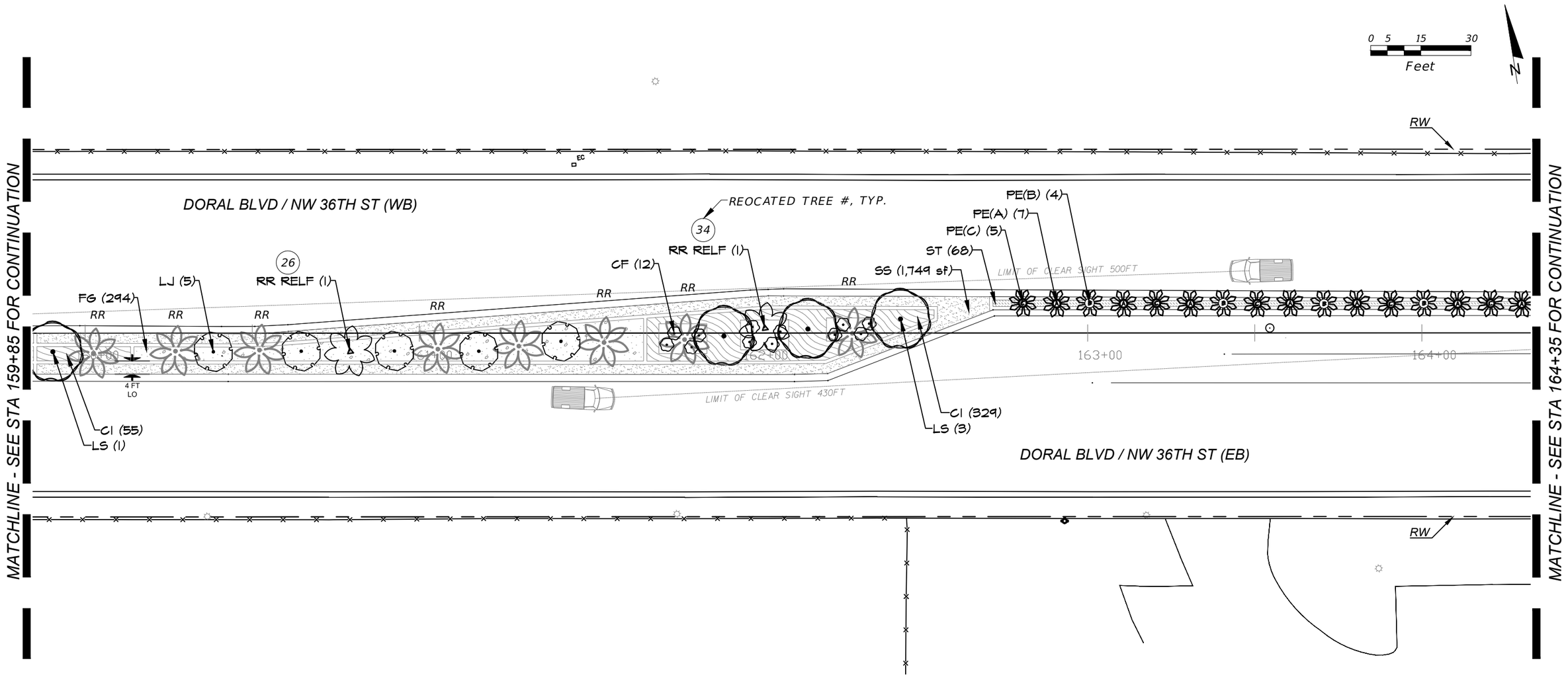

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
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PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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PROJECT NO: **18193.05**
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-13

10/29/2021 11:39 AM: Layout Tab: LD13; Pen Table: ---; Plot Created by: TODD MOHLER;

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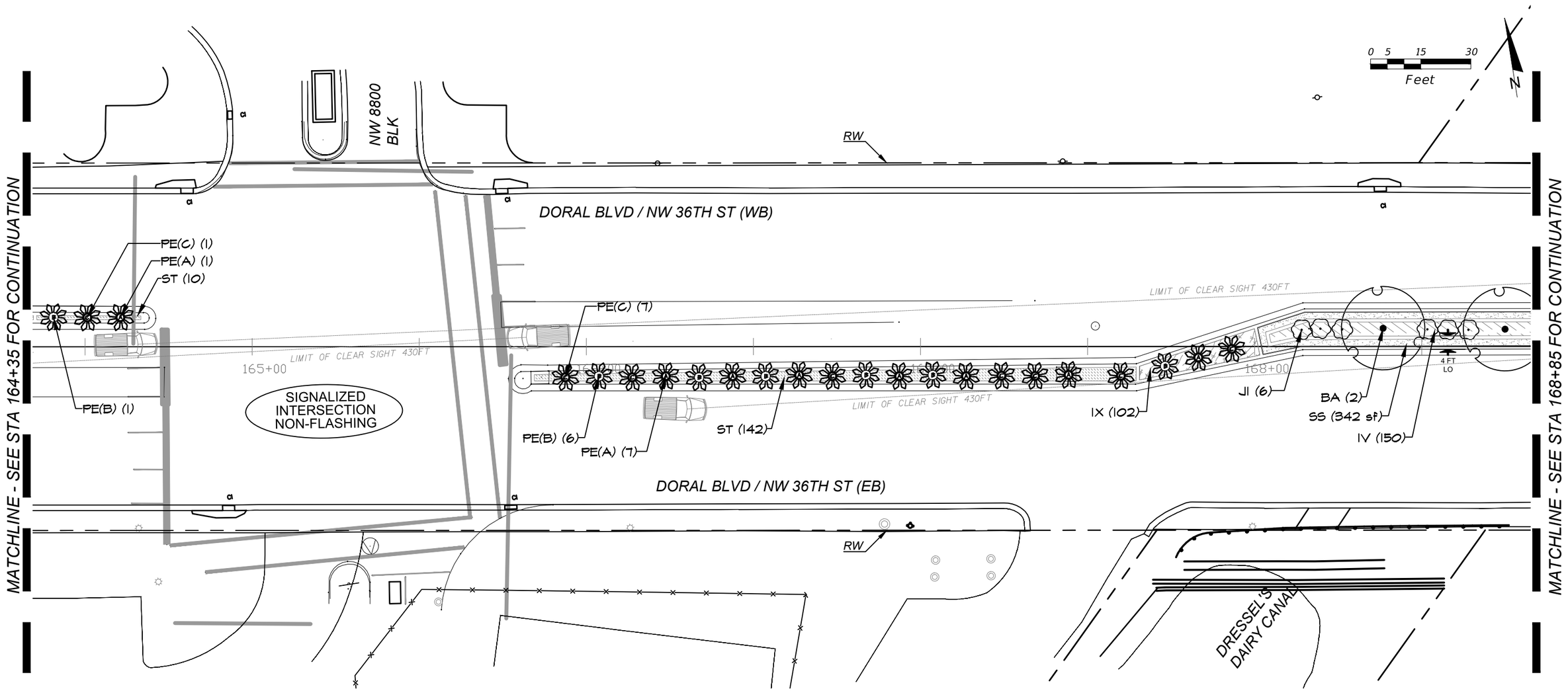

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
1425 W Cypress Creek Road, Suite 101
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-14

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG
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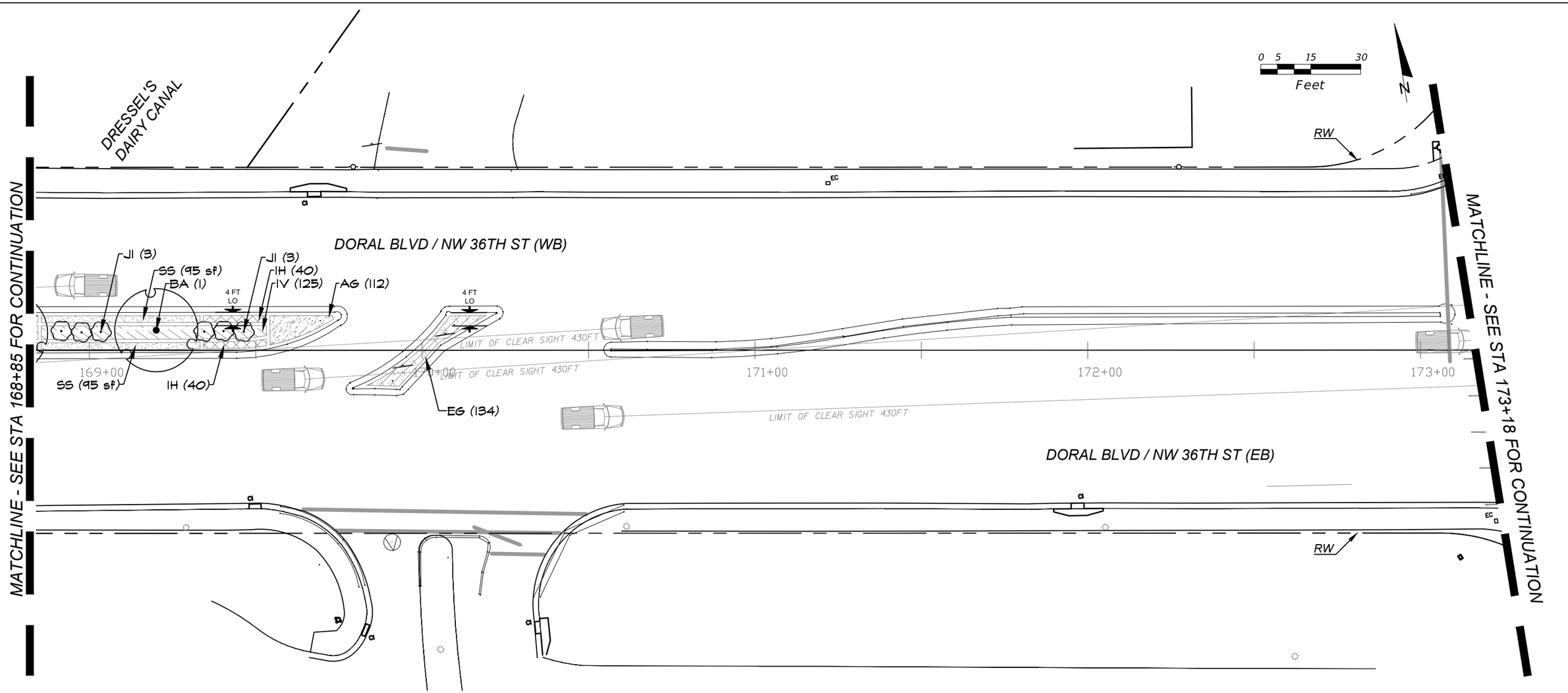

PLANT KEY	CODE	SCIENTIFIC NAME	COMMON NAME
	AG	Arachis glabrata	Perennial Peanut
	BA	Bulnesia arborea	Verawood
	CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
	CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
	CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
	CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
	CH	Chamaerops humilis	Mediterranean Fan Palm
	CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: **18193.05**
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI
ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4998

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO.
LD-15

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LAYCAD\100%\DSGNLD01_TD01.DWG
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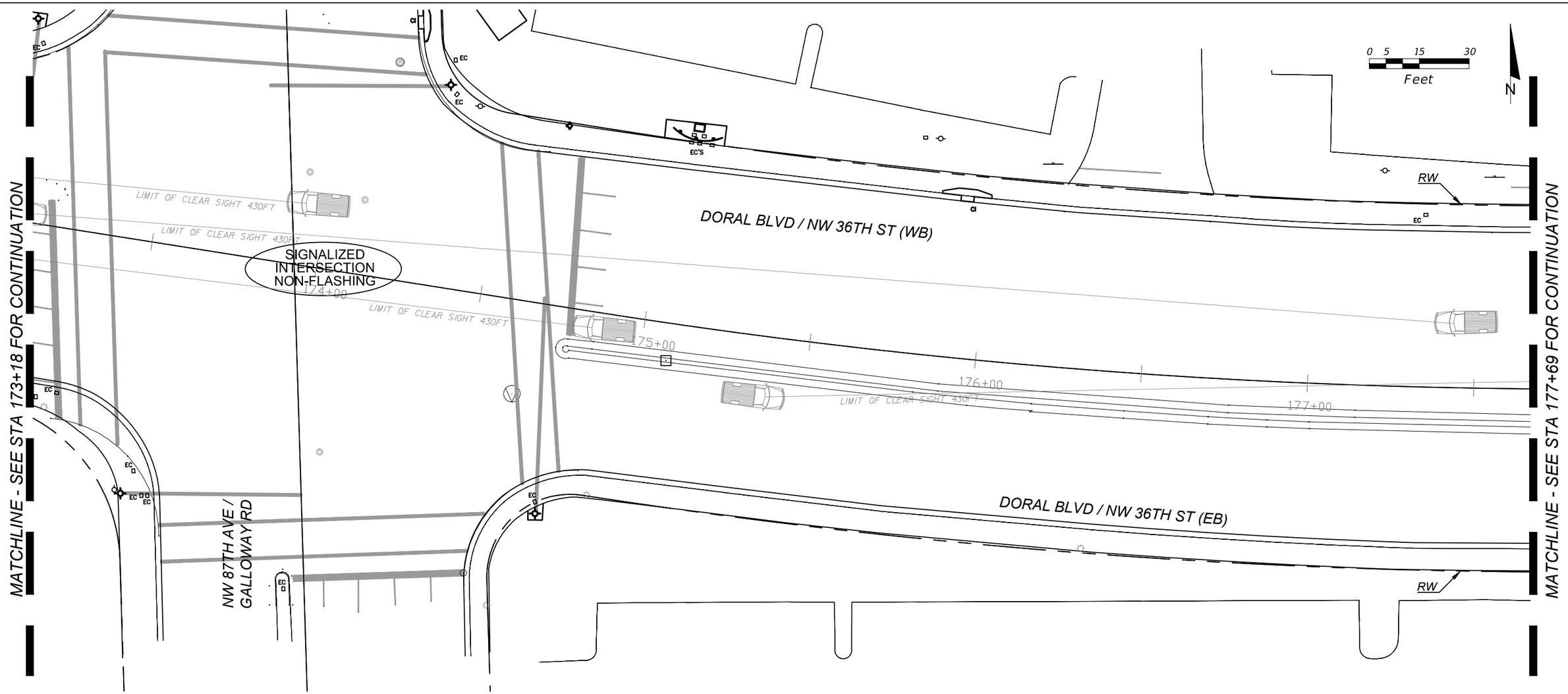

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: **18193.05**
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

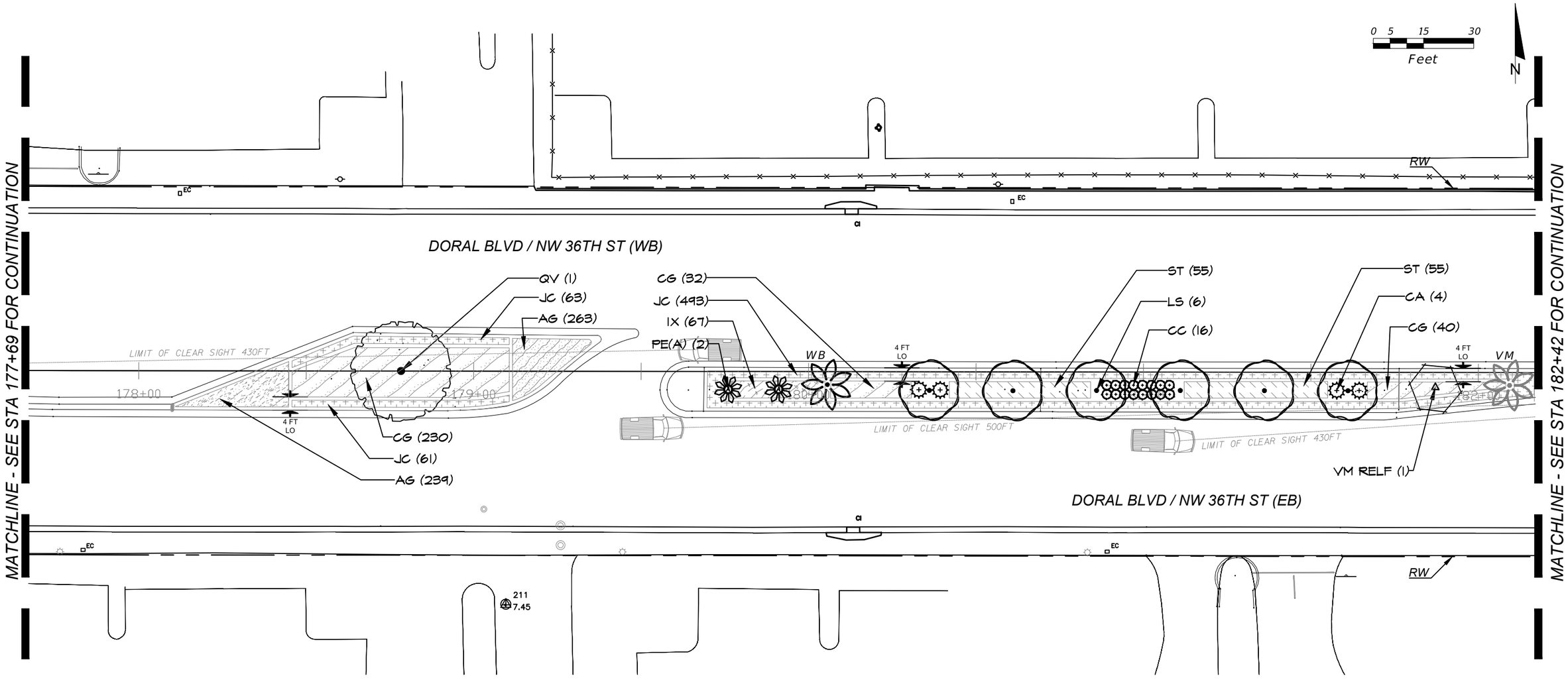
LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. **LD-16**

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGN\LD01_TD01.DWG



PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-17

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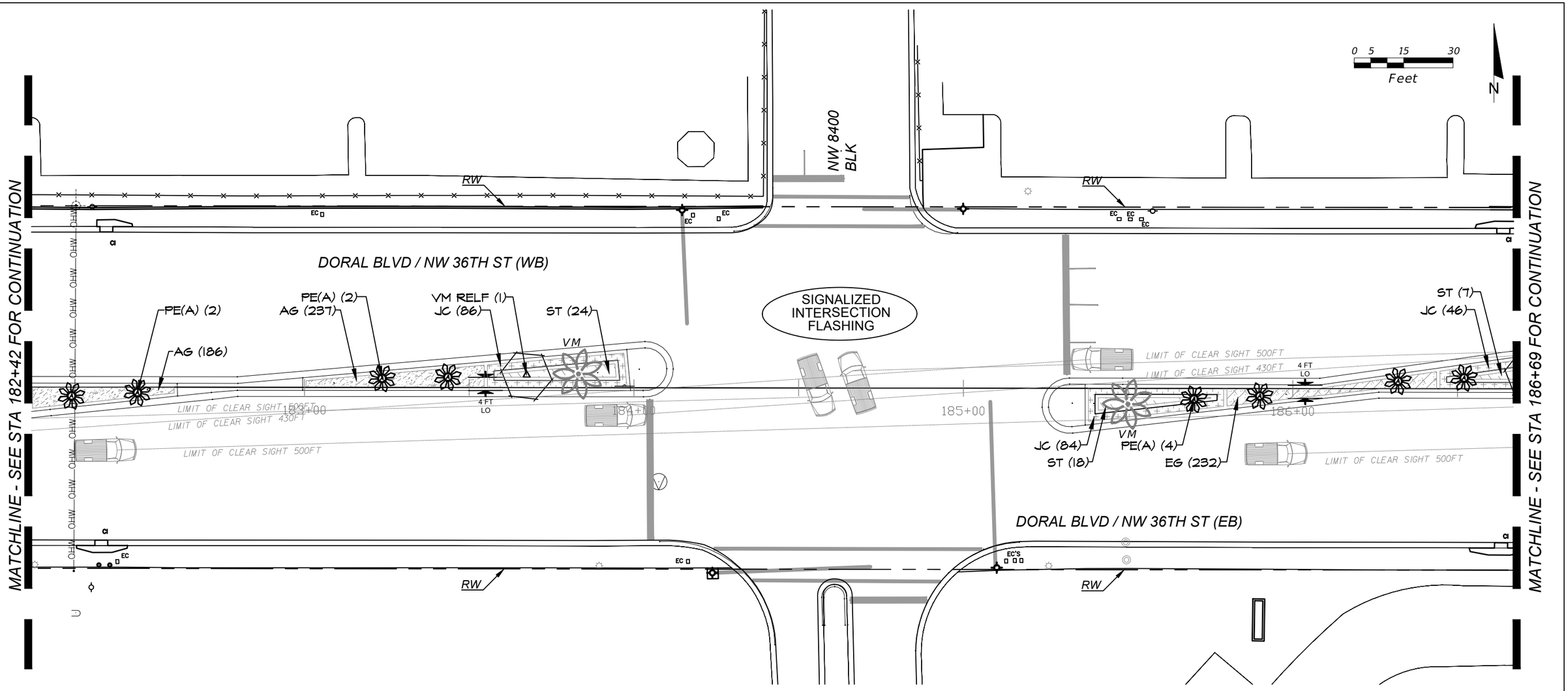

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
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CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
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IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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Fort Lauderdale, FL 33309 • 954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

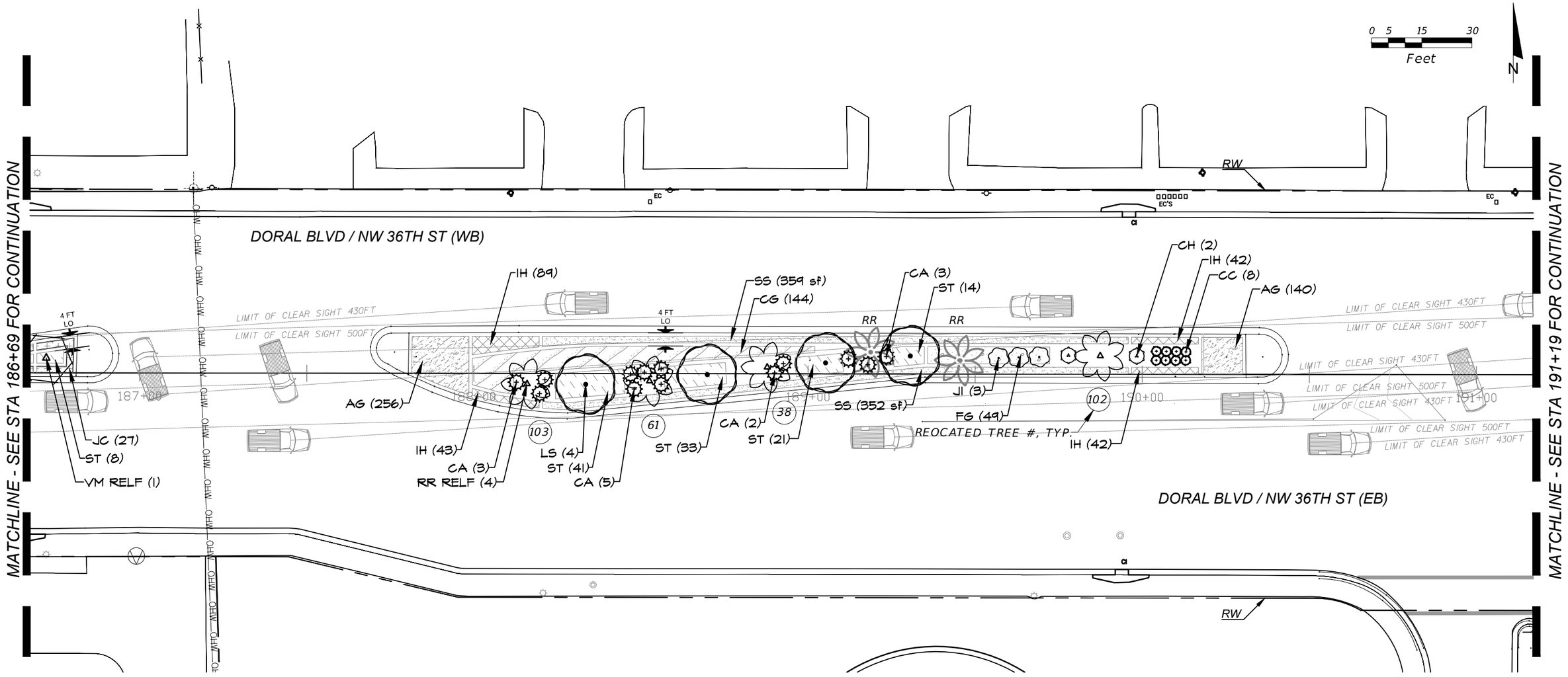
REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-18

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG



PLANT KEY	CODE	SCIENTIFIC NAME	COMMON NAME
	AG	Arachis glabrata	Perennial Peanut
	BA	Bulnesia arborea	Verawood
	CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
	CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
	CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
	CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
	CH	Chamaerops humilis	Mediterranean Fan Palm
	CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
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IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-19

10/29/2021 11:40 AM: Layout Tab: LD19: Pen Table: ---: Plot Created by: TODD MOHLER:

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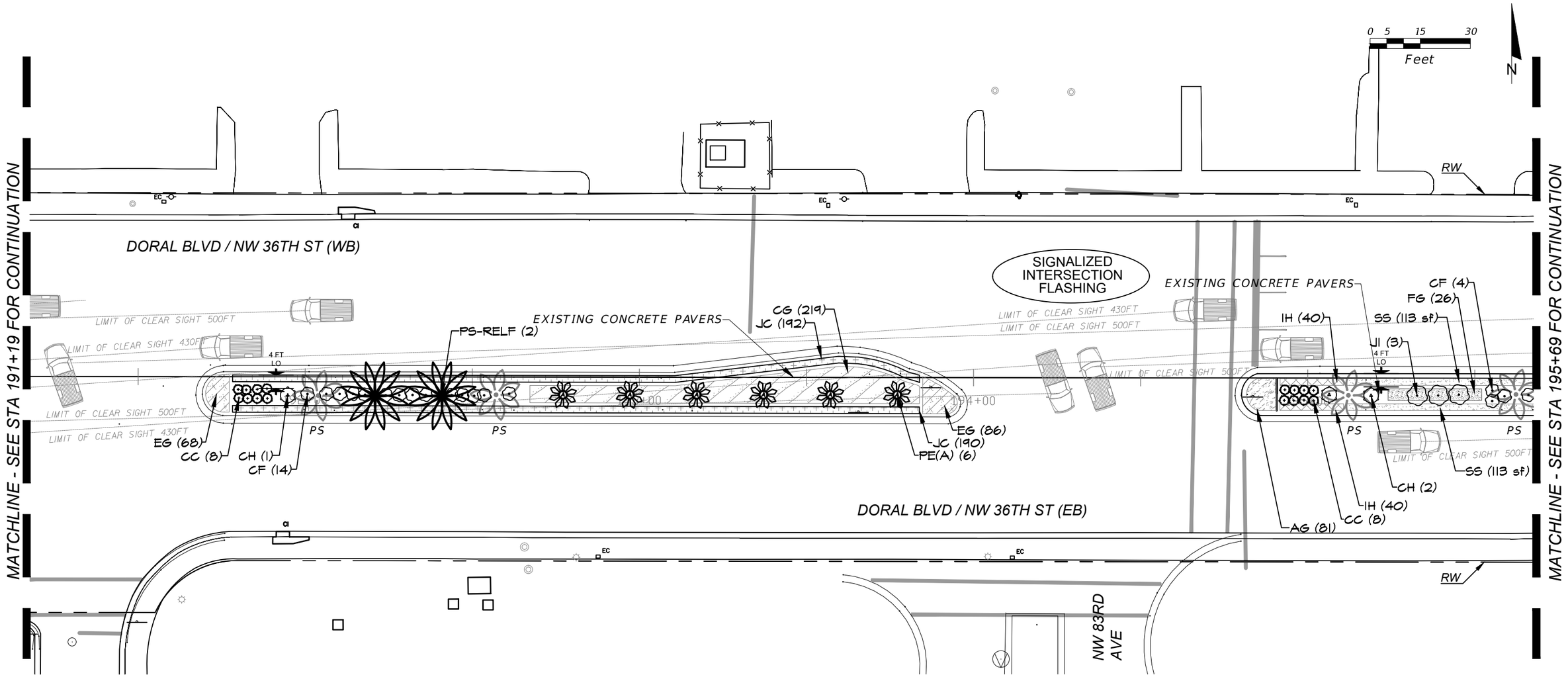

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
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CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
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CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
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PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

KCI
ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-20

10/29/2021 11:40 AM; Layout Tab: LD20; Pen Table: ---; Plot Created by: TODD MOHLER;

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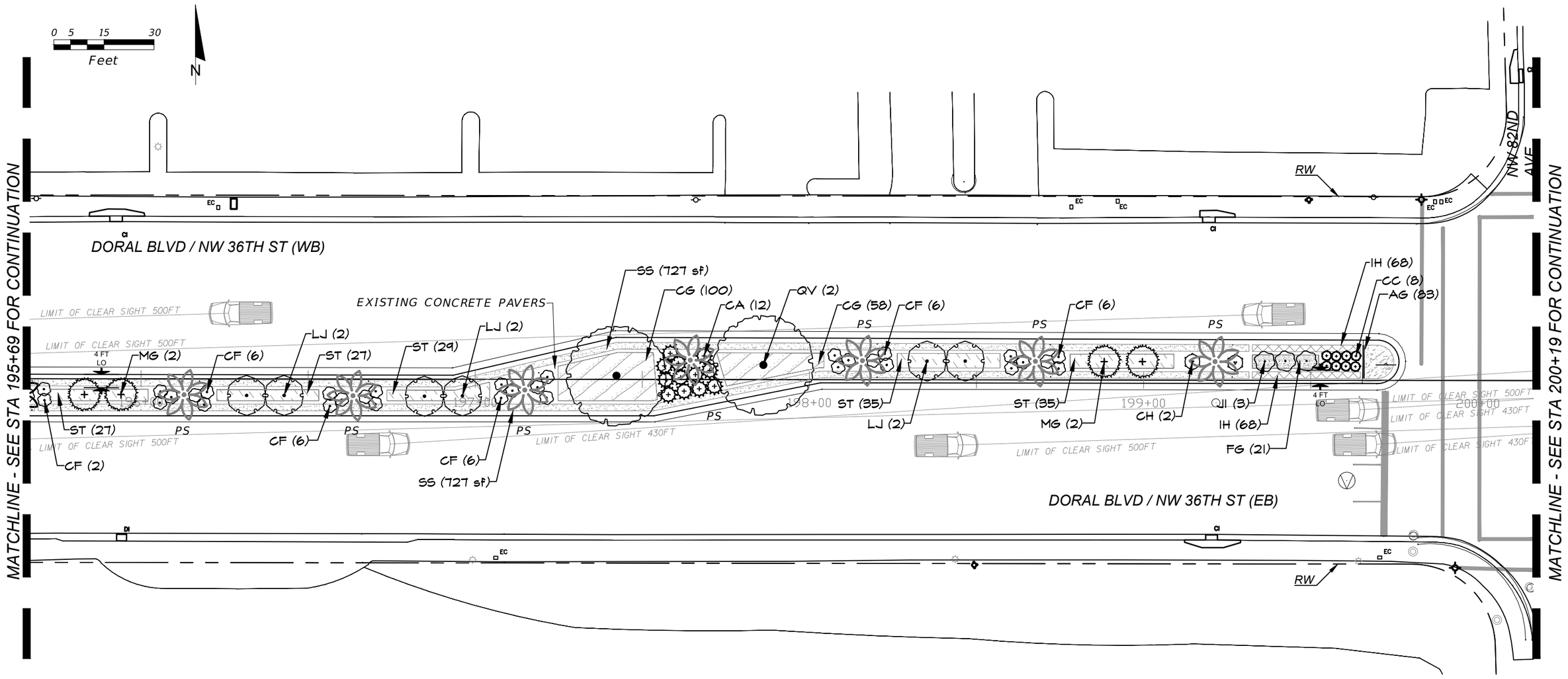

PLANT KEY	CODE	SCIENTIFIC NAME	COMMON NAME
	AG	Arachis glabrata	Perennial Peanut
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	CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
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	CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
	CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
	CH	Chamaerops humilis	Mediterranean Fan Palm
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CODE	SCIENTIFIC NAME	COMMON NAME
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JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
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CODE	SCIENTIFIC NAME	COMMON NAME
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CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-21

10/29/2021 11:40 AM; Layout Tab: LD21; Pen Table: ---; Plot Created by: TODD MOHLER;

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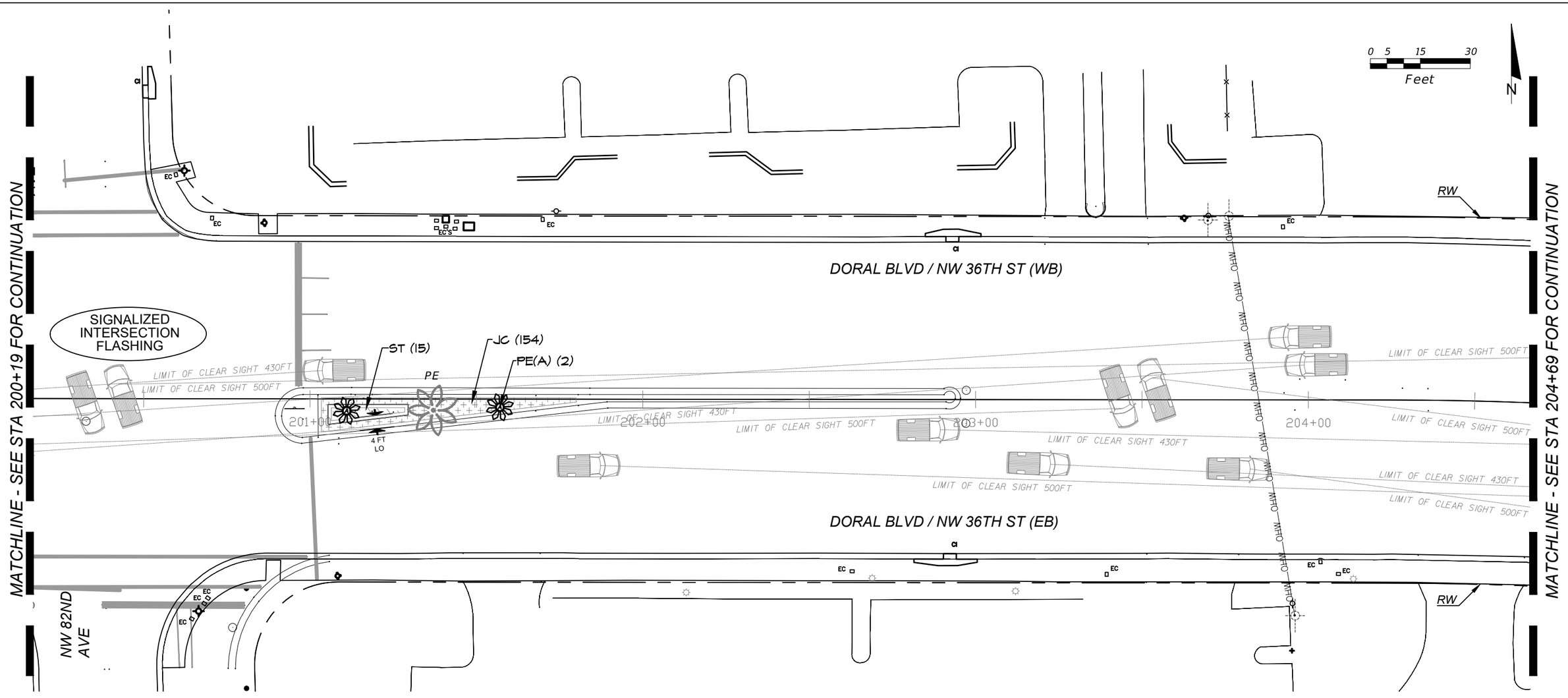

PLANT KEY

CODE	SCIENTIFIC NAME	COMMON NAME
AG	Arachis glabrata	Perennial Peanut
BA	Bulnesia arborea	Verawood
CA	Crinum augustum 'Queen Emma'	Queen Emma Crinum
CC	Callistemon citrinus 'Little John'	Dwarf Bottlebrush
CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
CH	Chamaerops humilis	Mediterranean Fan Palm
CI	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum

CODE	SCIENTIFIC NAME	COMMON NAME
CS	Conocarpus erectus 'Sericeus'	Silver Buttonwood
EG	Evolvulus glomeratus	Blue Daze
FG	Ficus microcarpa 'Green Island'	Green Island Ficus
IH	Impatiens hawkeri	New Guinea Impatiens
IV	Ilex vomitoria 'Stokes Dwarf'	Dwarf Yaupon
IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
LS	Lagerstroemia speciosa	Queen`s Crape Myrtle
MG	Magnolia grandiflora 'Little Gem'	Southern Magnolia
PE	Ptychosperma elegans	Alexander Palm
PS RELF	Phoenix sylvestris (relocated)	Sylvester Palm
QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
ST	Schefflera arboricola 'Trinette'	Schefflera Trinette
VM	Veitchia montgomeryana	Montgomery Palm
VM RELF	Veitchia montgomeryana (relocated)	Montgomery Palm

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(FOR THE FIRM) DATE: 1/26/22

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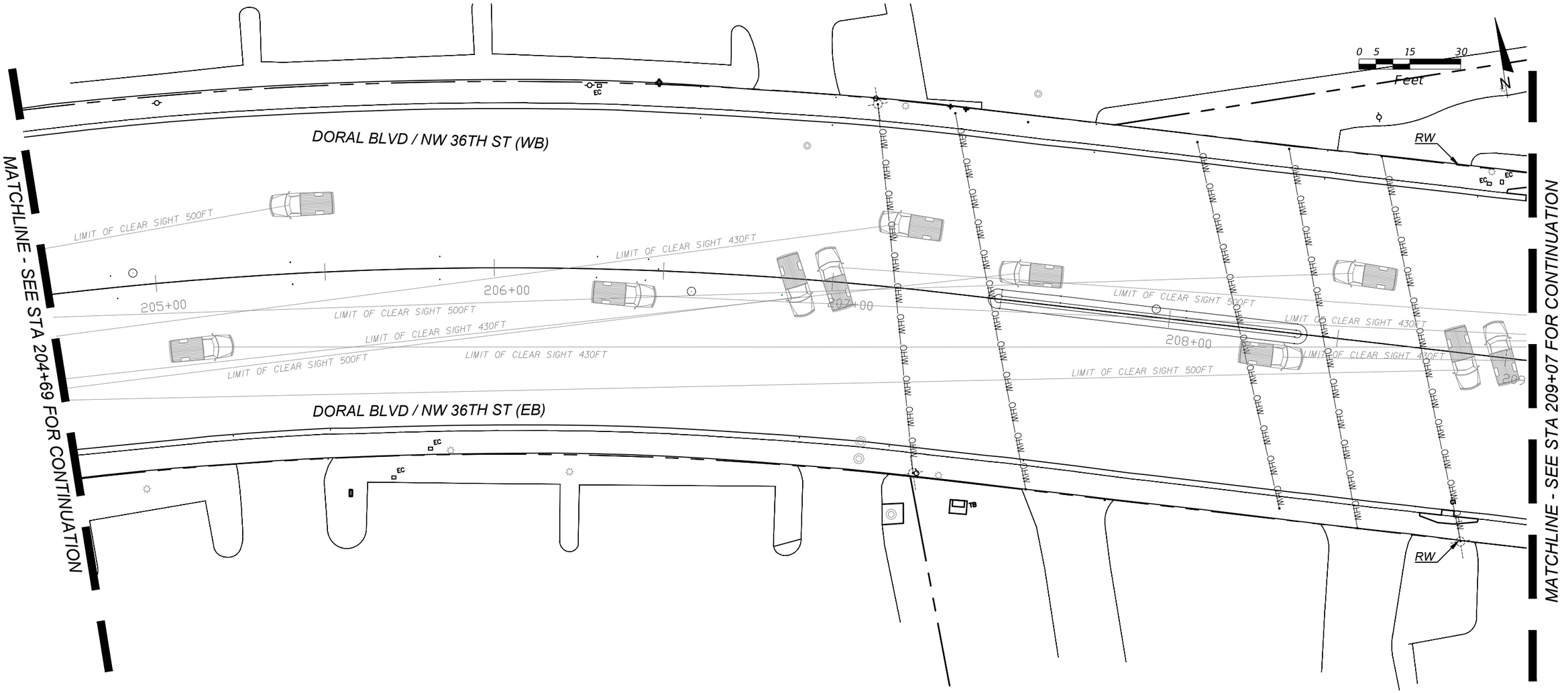
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-22



PLANT KEY

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CF	Cordyline fructicosa 'Black Magic'	Black Magic TI Plant
CG	Clusia fluminensis (FKA 'Nana')	Dwarf Clusia
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IX	Ixora x 'Petite Taiwan Red'	Dwarf Red Taiwan Ixora
JC	Juniperus conferta 'Blue Pacific'	Shore Juniper
JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
LJ	Ligustrum japonicum	Japanese Privet
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QV	Quercus virginiana	Southern Live Oak
RR RELF	Roystonea regia (relocated)	Royal Palm
SS	Stenotaphrum secundatum	St. Augustine Grass

CODE	SCIENTIFIC NAME	COMMON NAME
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PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER A 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-23

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGN\LD01_TD01.DWG
10/29/2021 11:40 AM; Layout Tab: LD23; Pen Table: ----; Plot Created by: TODD MOHLER;

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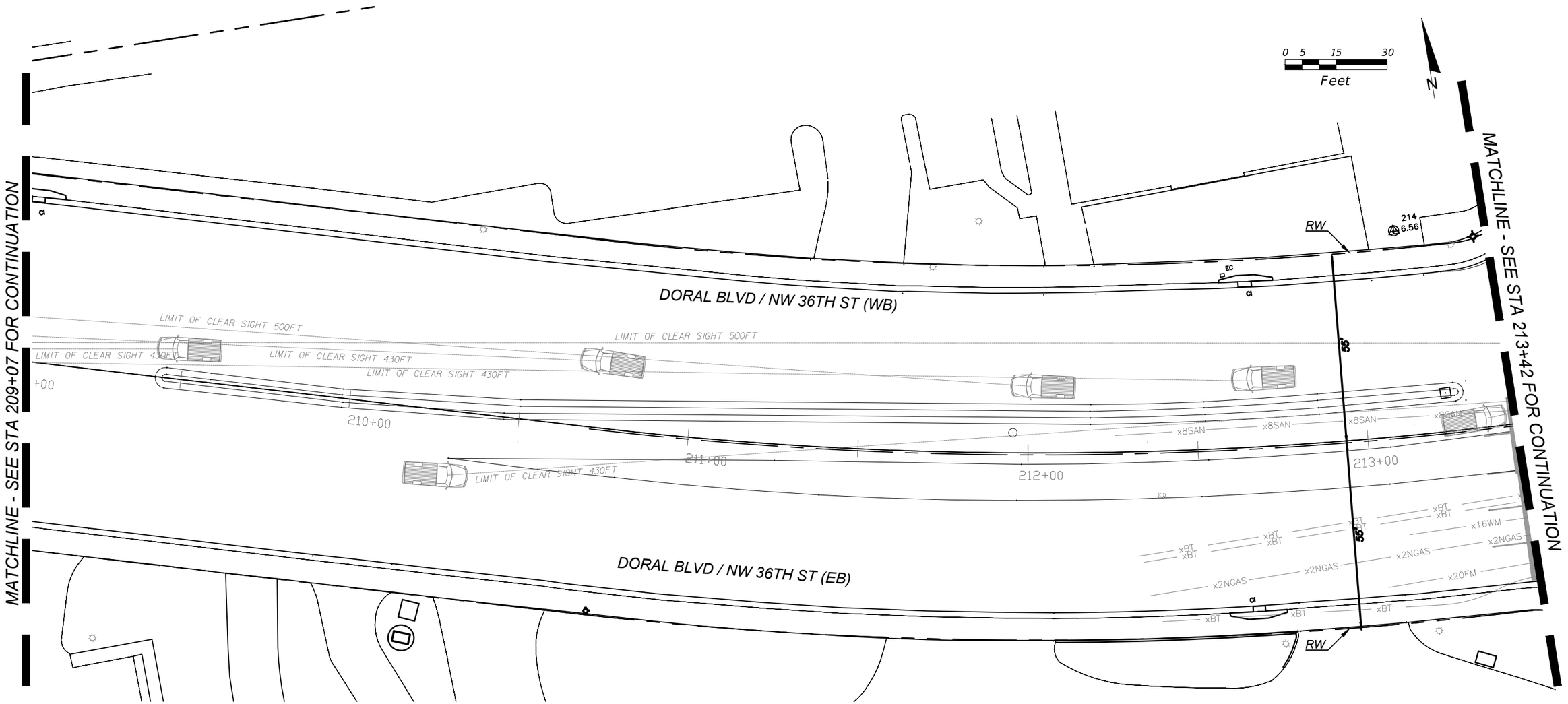

PLANT KEY

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PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
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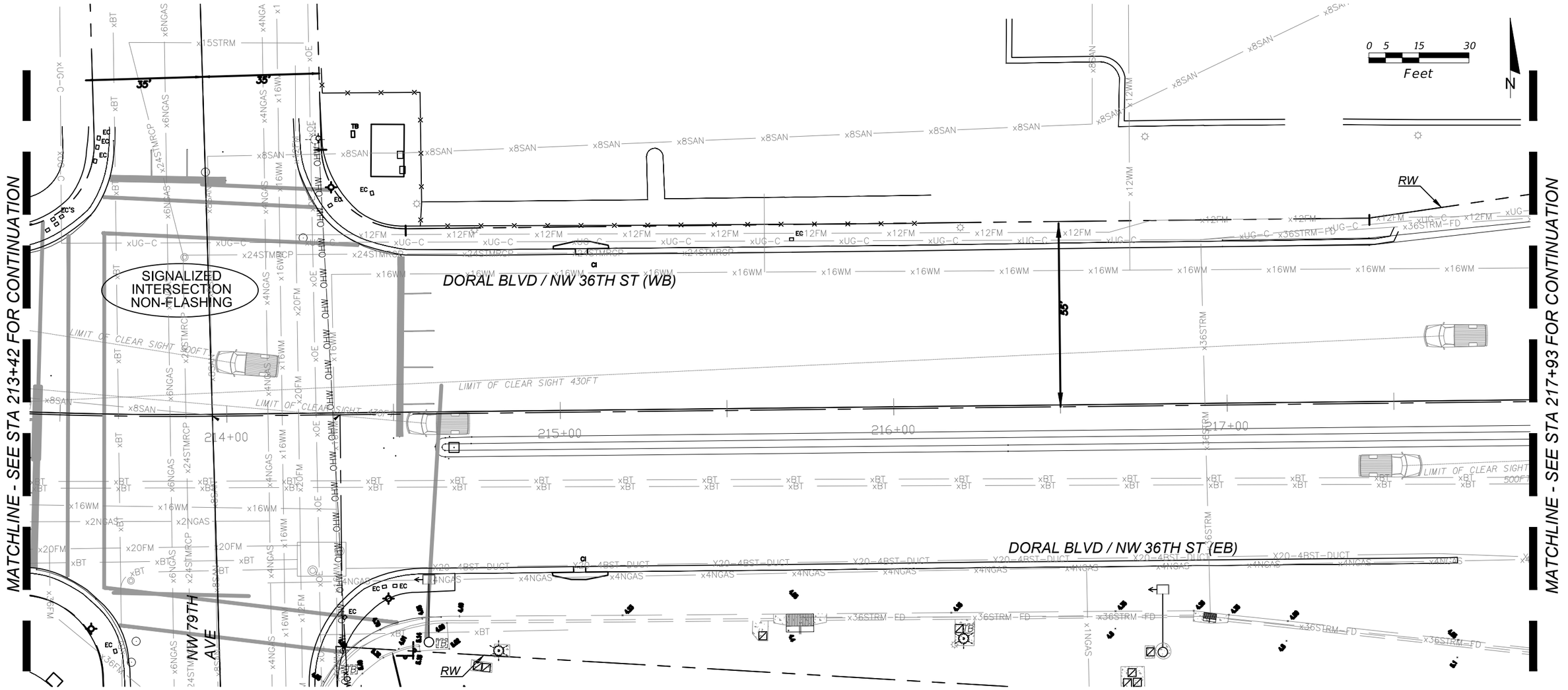
CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-24



PLANT KEY

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JI	Jatropha integerrima	Spicy Jatropha

CODE	SCIENTIFIC NAME	COMMON NAME
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PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY JW
CHECKED BY KH

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CONSTRUCTION MANAGERS
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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-25

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10/29/2021 11:40 AM; Layout Tab: LD25; Pen Table: ---; Plot Created by: TODD MOHLER;

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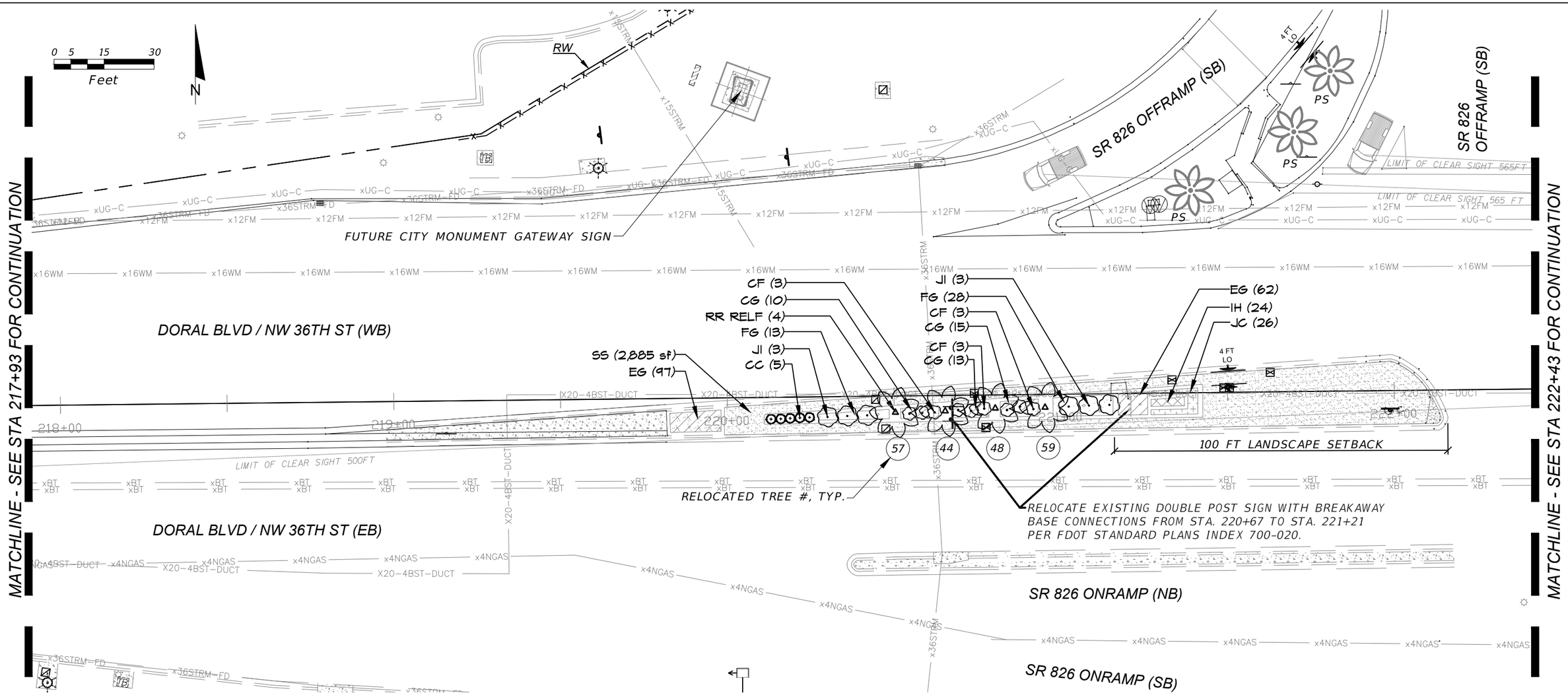

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0001594
(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE PLAN

SHEET NO. LD-26

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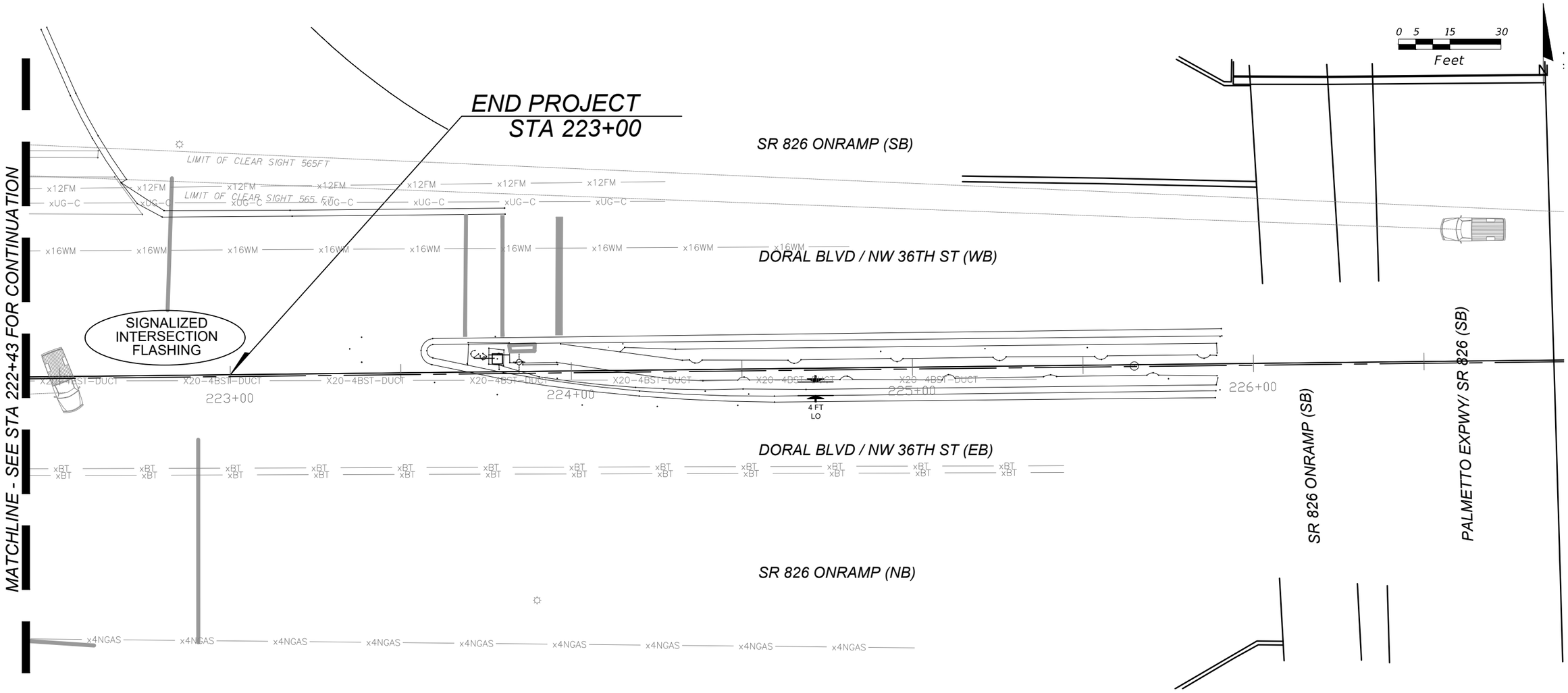

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE PLAN

SHEET NO. LD-27

10/29/2021 11:41 AM; Layout Tab: LD27; Pen Table: ---; Plot Created by: TODD MOHLER;

TEMPORARY TRAFFIC CONTROL NOTES:

1. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENTS DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE: 9:00 AM TO 3:30 PM WEEKDAYS AND WEEKENDS

2. TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.

3. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE THE SAME AS THE POSTED SPEED.

SUGGESTED SEQUENCE OF CONSTRUCTION:

PHASE I: DIRECTION BORE CONDUIT AND CONDUCTOR TO MEDIAN FOR CONNECTION TO PROPOSED PUMP. CROSSING AT STA. 137+80. USE INDICES 102-613, 102-615 & 102-660 TO PERFORM WORK.

PHASE II: DIRECTION BORE CONDUIT AND CONDUCTOR TO MEDIAN FOR CONNECTION TO PROPOSED PUMP. CROSSING AT STA. 188+40. USE INDICES 102-613, 102-615 & 102-660 TO PERFORM WORK.

PHASE III: PROVIDE LANE CLOSURE PER INDEX 102-613. CONSTRUCT LANDSCAPE INSTALLATIONS IN THE MEDIAN, CLOSE ONE BLOCK AT A TIME.

PHASE IV: CONSTRUCT LANDSCAPE INSTALLATIONS WITHIN TRAFFIC SEPARATOR ISLAND ON THE SB SR 826 OFFRAMP TO WB DORAL BLVD. CLOSE THE OUTSIDE LANE AND THE RAMP USING INDEX 102-613.

PCMS NOTES FOR PHASE I THRU PHASE IV:

1. PLACE TWO PCMS 14 DAYS PRIOR TO PHASE I THRU PHASE IV CONSTRUCTION. ONE FACING EASTBOUND AND ONE FACING WESTBOUND TRAFFIC ON NW 41ST STREET IN THE MEDIAN BEFORE THE WORK ZONE APPROACH (APPROXIMATELY 900').

PCMS SHALL DISPLAY FOLLOWING MESSAGE 14 DAYS PRIOR TO CONSTRUCTION.

MESSAGE 1	MESSAGE 2
ROAD WORK	DATE TIME

PCMS SHALL DISPLAY FOLLOWING MESSAGE DURING PHASE I THRU PHASE IV CONSTRUCTION.

MESSAGE 1	MESSAGE 2
RAOD WORK AHEAD	USE CAUTION

MATTHEW D. NEDDEFF LICENSE No 71611 STATE OF FLORIDA PROFESSIONAL ENGINEER

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.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 10/6/21
SCALE N/A
DESIGNED BY SF
DRAWN BY SF
CHECKED BY MDN

KCI ENGINEERS | PLANNERS | SCIENTISTS CONSTRUCTION MANAGERS
1425 W Cypress Creek Road, Suite 101
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CERTIFICATE OF AUTHORIZATION NO. 4898

ENGINEER OF RECORD
MATT NEDDEFF
PE 71611
(FOR THE FIRM) DATE: _____

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TEMPORARY TRAFFIC CONTROL PLANS

SHEET NO. TCP-1

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL				
			DAYS	P	P	DAYS	P	P	P	F		
102-1	MAINTENANCE OF TRAFFIC	LS							1		TOTAL DURATION X DAYS	
102-60	WORK ZONE SIGN	ED		17			17					
102-74-1	TEMP CHANNELIZING DEVICE TYPE 1, II, DI, VP, DRUM, OR LCD	ED		20			20					
102-76	ARROW BOARD/ ADVANCE WARNING ARROW PANEL	ED		1			1					
102-99	PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED		2			2					

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			PHASE IV			TOTAL		GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION	QUANTITY	TOTAL	DURATION	QUANTITY	TOTAL						
			DAYS	P	P	DAYS	P	P	P	F	P	F		
102-1	MAINTENANCE OF TRAFFIC	LS												
102-60	WORK ZONE SIGN	ED		8			10							
102-74-1	TEMP CHANNELIZING DEVICE TYPE 1, II, DI, VP, DRUM, OR LCD	ED		20			22							
102-76	ARROW BOARD/ ADVANCE WARNING ARROW PANEL	ED		1			1							
102-99	PORTABLE CHANGEABLE MESSAGE SIGN - TEMPORARY	ED		2			2							

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES

CONST. PHASE	LOCATION	SIDE	QUANTITY 0102 74 7 LF		DESIGN NOTES	CONSTRUCTION REMARKS
	STA. TO STA.		P	F		
1	136+90 TO 136+90	LT	6			
1	137+50 TO 137+50	LT	6			
1	138+50 TO 138+50	LT	6			
1	107+80 TO 107+85	LT	6			
2	187+60 TO 187+60	LT	6			
2	188+00 TO 188+00	LT	6			
2	189+00 TO 189+00	LT	6			
2	190+70 TO 190+70	LT	6			
		TOTAL				

NOTE:
THE PHASE DURATION SHOWN ARE NOT BASED ON PROJECT SCHEDULE
AND SHALL NOT BE USED FOR SCHEDULING PURPOSES BY THE CONTRACTOR.

MATTHEW D. NEDDEFF
LICENSE
No 71611
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 10/6/21
SCALE N/A
DESIGNED BY SF
DRAWN BY SF
CHECKED BY MDN

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CERTIFICATE OF AUTHORIZATION NO. 4898

ENGINEER OF RECORD
MATT NEDDEFF
PE 71611
(FOR THE FIRM) DATE: _____

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TEMP. TRAFFIC CONTROL PLAN QUANTITIES

SHEET NO.
TCP-2

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG
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TREE DISPOSITION SCHEDULE

TREE NO.	COMMON NAME	SCIENTIFIC NAME	DBH (IN)	HEIGHT (FT)	CANOPY (FT)	DISPOSITION	REASON
1	Royal Palm	*Roystonea regia*	18	45	15	Remove	Poor Condition
2	Montgomery Palm	*Veitchia montgomeryana*	6	18	10	Remain	
3	Montgomery Palm	*Veitchia montgomeryana*	6	17	17	Remain	
4	Montgomery Palm	*Veitchia montgomeryana*	6	15	6	Remove	Poor Condition
5	Royal Palm	*Roystonea regia*	12	30	15	Relocate	FDOT Clear Sight Conflict
6	Solitaire Palm	*Ptychosperma elegans*	5	14	7	Remain	
7	Solitaire Palm	*Ptychosperma elegans*	5	14	7	Remain	
8	Solitaire Palm	*Ptychosperma elegans*	5	14	7	Remain	
8A	Solitaire Palm	*Ptychosperma elegans*	5	14	7	Remain	
8B	Solitaire Palm	*Ptychosperma elegans*	5	14	7	Remain	
9	Christmas Palm	*Adonidia merrillii*	6	15	6	Remain	
10	Christmas Palm	*Adonidia merrillii*	6	16	6	Remain	
11	Royal Palm	*Roystonea regia*	16	35	12	Remain	
12	Royal Palm	*Roystonea regia*	20	35	18	Remain	
13	Royal Palm	*Roystonea regia*	16	32	18	Remain	
14	Royal Palm	*Roystonea regia*	15	30	15	Remain	
15	Royal Palm	*Roystonea regia*	16	30	20	Remain	
16	Royal Palm	*Roystonea regia*	18	35	20	Remain	
17	Royal Palm	*Roystonea regia*	15	37	21	Remain	
18	Royal Palm	*Roystonea regia*	14	35	20	Remain	
19	Royal Palm	*Roystonea regia*	18	38	21	Remain	
20	Royal Palm	*Roystonea regia*	18	35	15	Remain	
21	Royal Palm	*Roystonea regia*	16	35	17	Remain	
22	Royal Palm	*Roystonea regia*	18	35	16	Remain	
23	Royal Palm	*Roystonea regia*	18	42	24	Remain	
24	Royal Palm	*Roystonea regia*	15	34	14	Relocate	FDOT Clear Sight Conflict
25	Royal Palm	*Roystonea regia*	15	37	18	Remain	
26	Royal Palm	*Roystonea regia*	17	35	20	Relocate	FDOT Clear Sight Conflict
27	Royal Palm	*Roystonea regia*	16	37	19	Remain	
28	Royal Palm	*Roystonea regia*	18	38	16	Relocate	FDOT Clear Sight Conflict
29	Christmas Palm	*Adonidia merrillii*	6	15	6	Remove	Poor Condition
30	Montgomery Palm	*Veitchia montgomeryana*	6	18	10	Remove	Poor Condition
31	Montgomery Palm	*Veitchia montgomeryana*	8	17	14	Remain	
32	Royal Palm	*Roystonea regia*	16	38	19	Remove	Poor Condition
33	Royal Palm	*Roystonea regia*	15	42	22	Remain	
34	Royal Palm	*Roystonea regia*	14	36	21	Relocate	FDOT Clear Sight Conflict
35	Royal Palm	*Roystonea regia*	20	38	18	Remain	
36	Royal Palm	*Roystonea regia*	16	38	18	Relocate	FDOT Clear Sight Conflict
37	Royal Palm	*Roystonea regia*	16	36	17	Remain	
38	Royal Palm	*Roystonea regia*	15	35	19	Relocate	FDOT Clear Sight Conflict
39	Christmas Palm	*Adonidia merrillii*	6	17	8	Remain	
40	Christmas Palm	*Adonidia merrillii*	6	15	8	Remain	
41	Montgomery Palm	*Veitchia montgomeryana*	7	24	13	Remain	
42	Christmas Palm	*Adonidia merrillii*	6	17	8	Remain	
43	Royal Palm	*Roystonea regia*	22	42	18	Relocate	FDOT Lateral Offset Conflict
44	Royal Palm	*Roystonea regia*	14	36	15	Relocate	FDOT Clear Sight Conflict

TREE DISPOSITION SCHEDULE

TREE NO.	COMMON NAME	SCIENTIFIC NAME	DBH (IN)	HEIGHT (FT)	CANOPY (FT)	DISPOSITION	REASON
45	Royal Palm	*Roystonea regia*	16	36	16	Remain	
46	Royal Palm	*Roystonea regia*	14	36	10	Remove	Poor Condition; FDOT Clear Sight Conflict
47	Royal Palm	*Roystonea regia*	16	34	17	Relocate	FDOT Lateral Offset Conflict
48	Royal Palm	*Roystonea regia*	17	38	17	Relocate	FDOT Clear Sight Conflict
49	Royal Palm	*Roystonea regia*	13	36	18	Remain	
50	Royal Palm	*Roystonea regia*	17	30	21	Remain	
51	Christmas Palm	*Adonidia merrillii*	6	16	8	Remain	
52	Christmas Palm	*Adonidia merrillii*	6	18	8	Remain	
53	Royal Palm	*Roystonea regia*	15	37	15	Remain	
54	Royal Palm	*Roystonea regia*	15	37	16	Remain	
55	Royal Palm	*Roystonea regia*	14	40	18	Remain	
56	Royal Palm	*Roystonea regia*	16	40	18	Remain	
57	Royal Palm	*Roystonea regia*	14	38	21	Relocate	FDOT Clear Sight Conflict
58	Royal Palm	*Roystonea regia*	16	34	15	Remove	Poor Condition
59	Royal Palm	*Roystonea regia*	16	36	14	Relocate	FDOT Clear Sight Conflict
60	Royal Palm	*Roystonea regia*	14	36	20	Remain	
61	Royal Palm	*Roystonea regia*	13	34	16	Relocate	FDOT Clear Sight Conflict
62	Christmas Palm	*Adonidia merrillii*	6	16	8	Remain	
63	Christmas Palm	*Adonidia merrillii*	6	16	8	Remove	Poor Condition; FDOT Clear Sight Conflict
64	Christmas Palm	*Adonidia merrillii*	6	16	8	Remove	Poor Condition; FDOT Clear Sight Conflict
65	Christmas Palm	*Adonidia merrillii*	6	16	8	Remove	Poor Condition; FDOT Clear Sight Conflict
66	Montgomery Palm	*Veitchia montgomeryana*	7	22	14	Remain	
67	Montgomery Palm	*Veitchia montgomeryana*	7	24	16	Remain	
68	Christmas Palm	*Adonidia merrillii*	6	17	10	Remain	
69	Montgomery Palm	*Veitchia montgomeryana*				Remove Stump	
70	Montgomery Palm	*Veitchia montgomeryana*	7	19	14	Remain	
71	Royal Palm	*Roystonea regia*	15	36	16	Remain	
72	Royal Palm	*Roystonea regia*	16	45	16	Remain	
73	Royal Palm	*Roystonea regia*	14	36	18	Remain	
74	Royal Palm	*Roystonea regia*	17	38	22	Remain	
75	Royal Palm	*Roystonea regia*	13	36	16	Remain	
76	Royal Palm	*Roystonea regia*				Remove Stump	
77	Royal Palm	*Roystonea regia*	17	36	15	Remove	Poor Condition; FDOT Clear Sight Conflict
78	Royal Palm	*Roystonea regia*	14	36	20	Remove	Poor Condition; FDOT Clear Sight Conflict
79	Royal Palm	*Roystonea regia*	16	38	19	Remain	
80	Royal Palm	*Roystonea regia*	16	38	15	Remain	
81	Royal Palm	*Roystonea regia*	16	36	21	Remain	
82	Royal Palm	*Roystonea regia*	22	42	20	Remain	
83	Royal Palm	*Roystonea regia*	16	38	18	Remain	
84	Royal Palm	*Roystonea regia*	16	38	15	Remain	
85	Royal Palm	*Roystonea regia*	18	36	20	Remain	
86	Royal Palm	*Roystonea regia*	18	38	22	Remain	
87	Royal Palm	*Roystonea regia*	17	36	16	Remain	
88	Royal Palm	*Roystonea regia*	18	34	19	Remain	
89	Royal Palm	*Roystonea regia*	18	40	15	Remain	

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE NTS
DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION SCHEDULE

SHEET NO. TD-1

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\DSGNLD01_TD01.DWG
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TREE DISPOSITION SCHEDULE

TREE NO.	COMMON NAME	SCIENTIFIC NAME	DBH (IN)	HEIGHT (FT)	CANOPY (FT)	DISPOSITION	REASON
90	Foxtail Palm	*Wodyetia bifurcata*	10	20	8	Remain	
91	Montgomery Palm	*Veitchia montgomeryana*	7	22	11	Remain	
92	Montgomery Palm	*Veitchia montgomeryana*	7	22	12	Remove	Poor Condition
93	Solitaire Palm	*Ptychosperma elegans*	5	17	7	Remove	Poor Condition
94	Montgomery Palm	*Veitchia montgomeryana*	6	15	11	Remove	Poor Condition
95	Montgomery Palm	*Veitchia montgomeryana*	7	16	12	Remain	
96	Montgomery Palm	*Veitchia montgomeryana*	6	17	10	Remain	
97	Foxtail Palm	*Wodyetia bifurcata*	12	22	11	Remove	Poor Condition; FDOT Lateral Offset Conflict
98	Foxtail Palm	*Wodyetia bifurcata*				Remove Stump	
99	Foxtail Palm	*Wodyetia bifurcata*				Remove Stump	
100	Royal Palm	*Roystonea regia*	14	32	19	Relocate	FDOT Clear Sight Conflict
101	Royal Palm	*Roystonea regia*	14	28	19	Relocate	FDOT Clear Sight Conflict
102	Royal Palm	*Roystonea regia*	14	30	18	Relocate	FDOT Clear Sight Conflict
103	Royal Palm	*Roystonea regia*	12	34	16	Remain	
104	Royal Palm	*Roystonea regia*	12	27	14	Remain	
105	Sylvester Palm	*Phoenix sylvestris*	17	32	20	Remain	
106	Sylvester Palm	*Phoenix sylvestris*	17	38	20	Remain	
107	Sylvester Palm	*Phoenix sylvestris*	18	34	18	Relocate	FDOT Clear Sight Conflict
108	Sylvester Palm	*Phoenix sylvestris*	20	40	19	Relocate	FDOT Clear Sight Conflict
109	Sylvester Palm	*Phoenix sylvestris*	16	40	19	Remain	
110	Sylvester Palm	*Phoenix sylvestris*	16	34	18	Remain	
111	Sylvester Palm	*Phoenix sylvestris*	16	36	18	Remain	
112	Sylvester Palm	*Phoenix sylvestris*	17	32	17	Remain	
113	Sylvester Palm	*Phoenix sylvestris*	18	36	18	Remain	
114	Sylvester Palm	*Phoenix sylvestris*	17	32	17	Remain	
115	Sylvester Palm	*Phoenix sylvestris*	16	32	18	Remain	
116	Sylvester Palm	*Phoenix sylvestris*	15	40	20	Remain	
117	Sylvester Palm	*Phoenix sylvestris*	16	34	18	Remain	
118	Solitaire Palm	*Ptychosperma elegans*	5	17	8	Remain	
119	Foxtail Palm	*Wodyetia bifurcata*				Remove Stump	
120	Montgomery Palm	*Veitchia montgomeryana*	7	31	10	Remove	Poor Condition
121	Montgomery Palm	*Veitchia montgomeryana*	9	31	12	Remove	Poor Condition
122	Montgomery Palm	*Veitchia montgomeryana*	8	32	11	Relocate	Design Considerations
123	Montgomery Palm	*Veitchia montgomeryana*	8	32	12	Relocate	Design Considerations
124	Montgomery Palm	*Veitchia montgomeryana*	8	28	10	Remove	Poor Condition
125	Montgomery Palm	*Veitchia montgomeryana*	8	26	10	Remove	Poor Condition
126	Montgomery Palm	*Veitchia montgomeryana*	8	26	10	Remove	Poor Condition
127	Montgomery Palm	*Veitchia montgomeryana*	8	26	12	Relocate	Design Considerations
128	Sylvester Palm	*Phoenix sylvestris*	18	30	16	Remain	
129	Sylvester Palm	*Phoenix sylvestris*	18	30	16	Remain	
130	Sylvester Palm	*Phoenix sylvestris*	18	30	16	Remain	

EXISTING TREE TOTALS

REMAIN	83
Adonidia merrillii	9
Phoenix sylvestris	13
Ptychosperma elegans	6
Roystonea regia	44
Veitchia montgomeryana	10
Wodyetia bifurcata	1

RELOCATE	22
Adonidia merrillii	0
Phoenix sylvestris	2
Ptychosperma elegans	0
Roystonea regia	17
Veitchia montgomeryana	3
Wodyetia bifurcata	0

MITIGATION CALCULATIONS

REMOVE	21	CANOPY (FT)	TOTAL CANOPY REMOVED	TOTAL CANOPY PROPOSED
Adonidia merrillii	4	6 to 8	157	*See Landscape Tabulation of Quantities*
Ptychosperma elegans	1	7	38.5	
Roystonea regia	6	10 to 20	1149.3	
Veitchia montgomeryana	9	6 to 12	741.9	
Wodyetia bifurcata	1	8 to 12	17.3	
			2104	

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE NTS
DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION SCHEDULE

SHEET NO. TD-2

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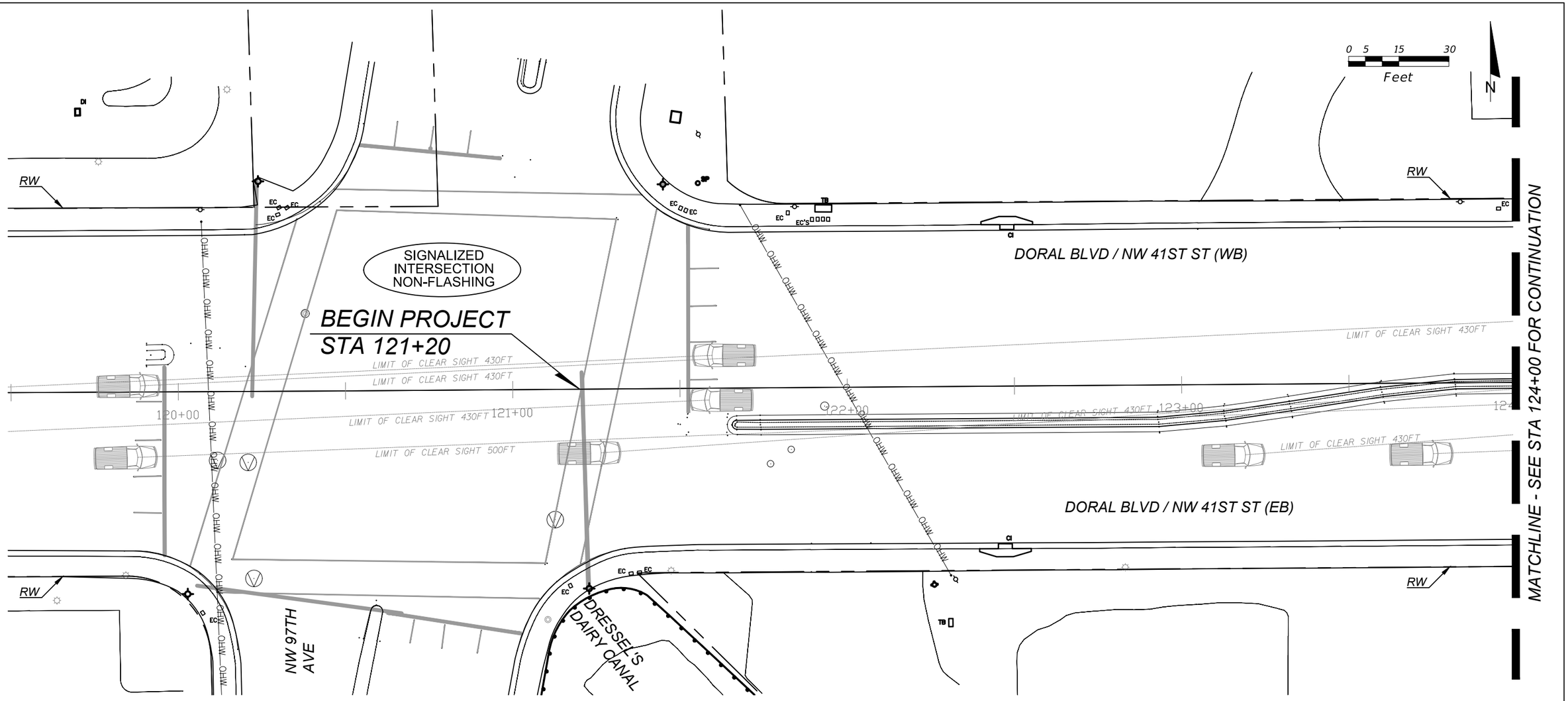

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-3

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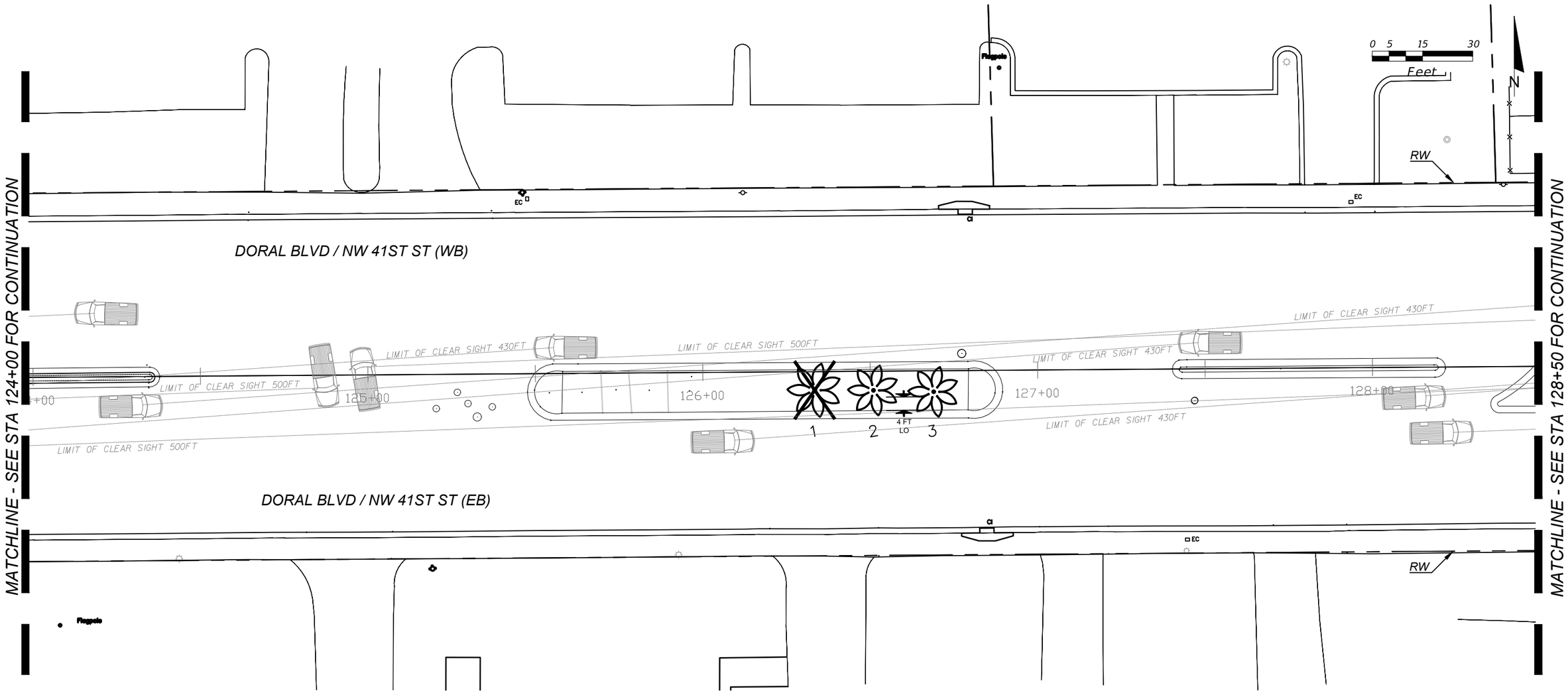

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

R
(TREE NUMBER)
RELOCATE EXISTING PALM

S
(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-4

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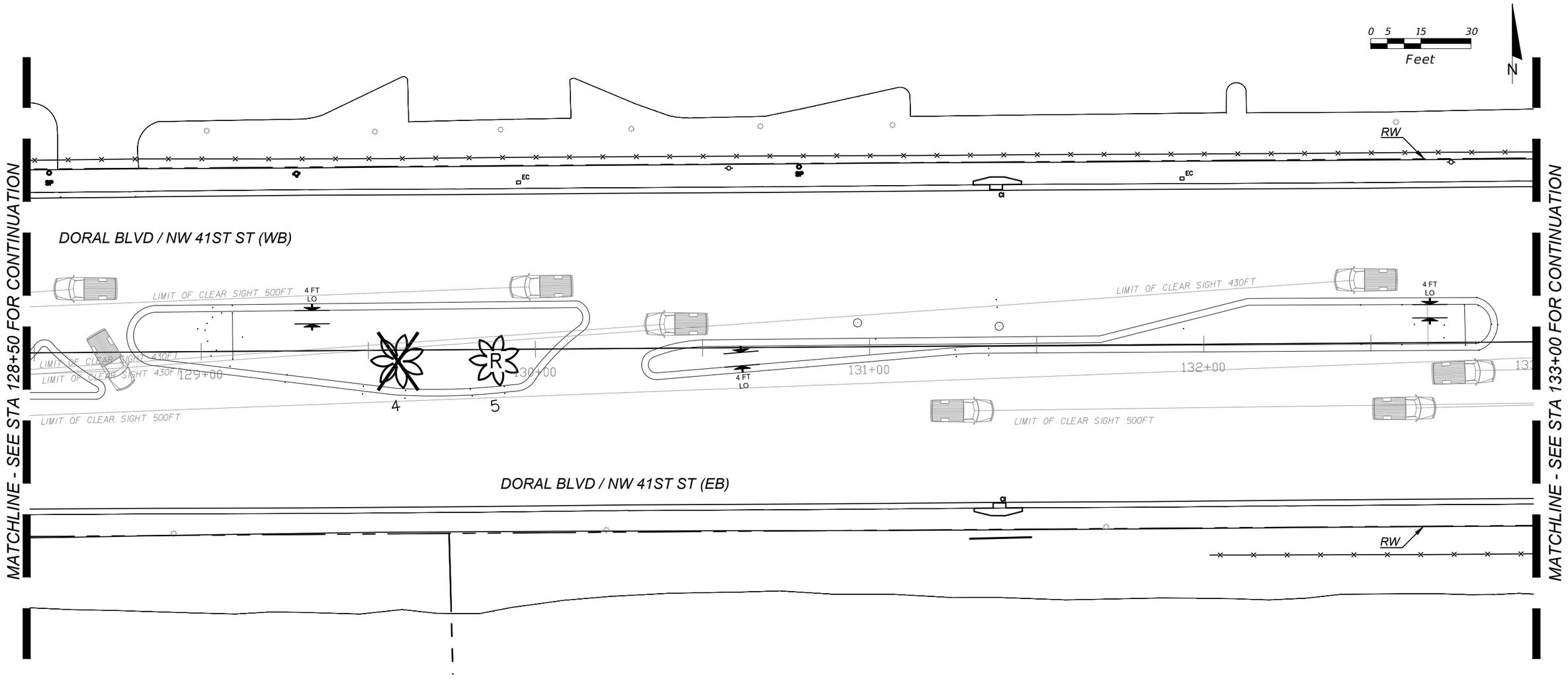

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-5

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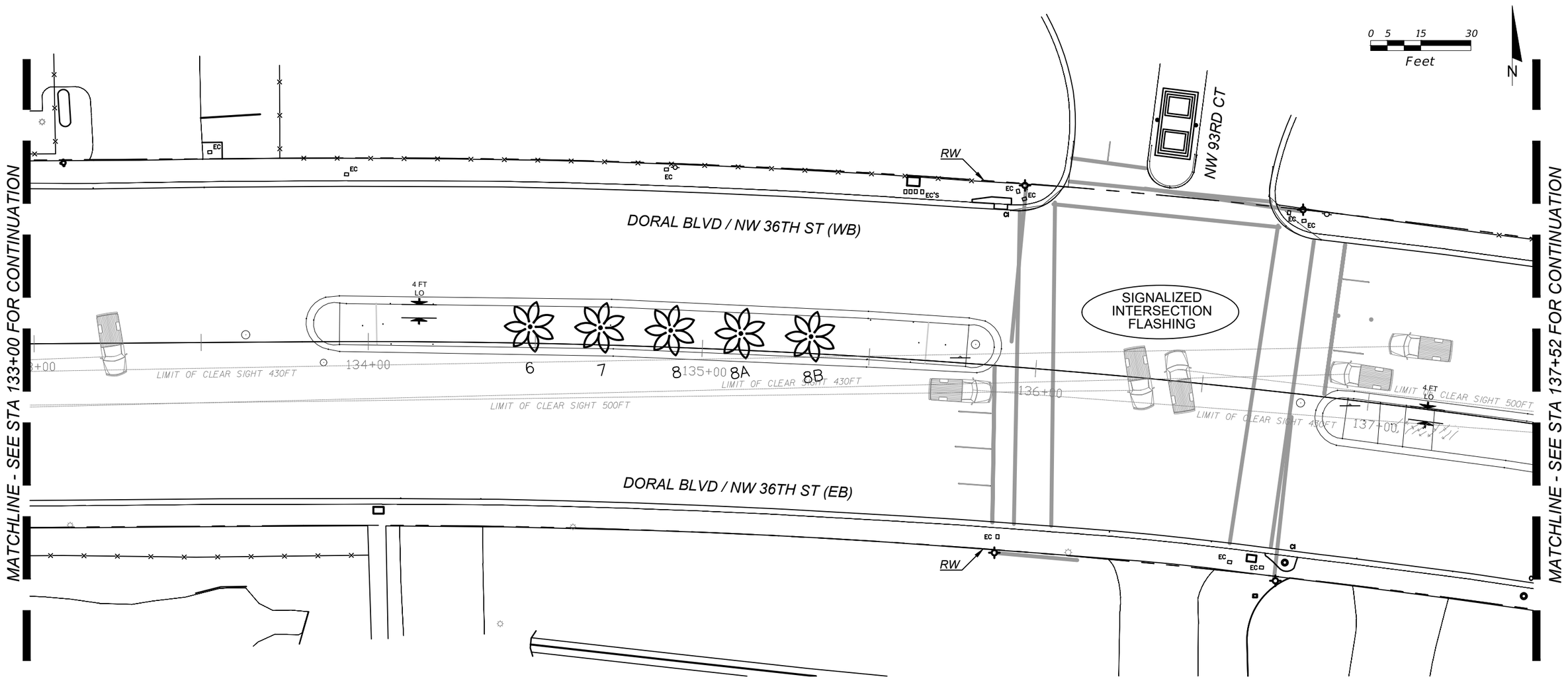

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
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DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

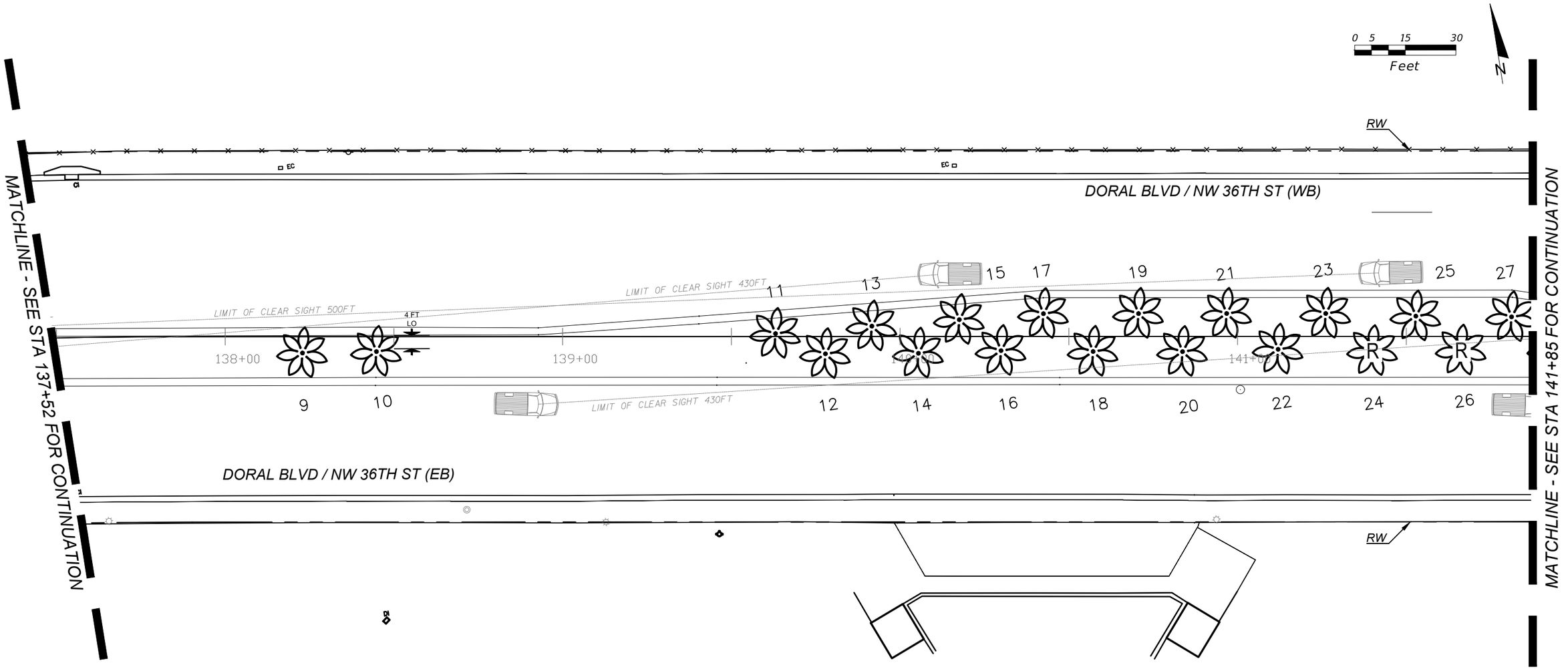
REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION PLAN

SHEET NO. TD-6

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LAYCAD\100%\DSGNLD01_TD01.DWG



LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-7

9/23/2021 3:18 PM; Layout Tab: TD07; Pen Table: ----; Plot Created by: CHASE RUSSELL;

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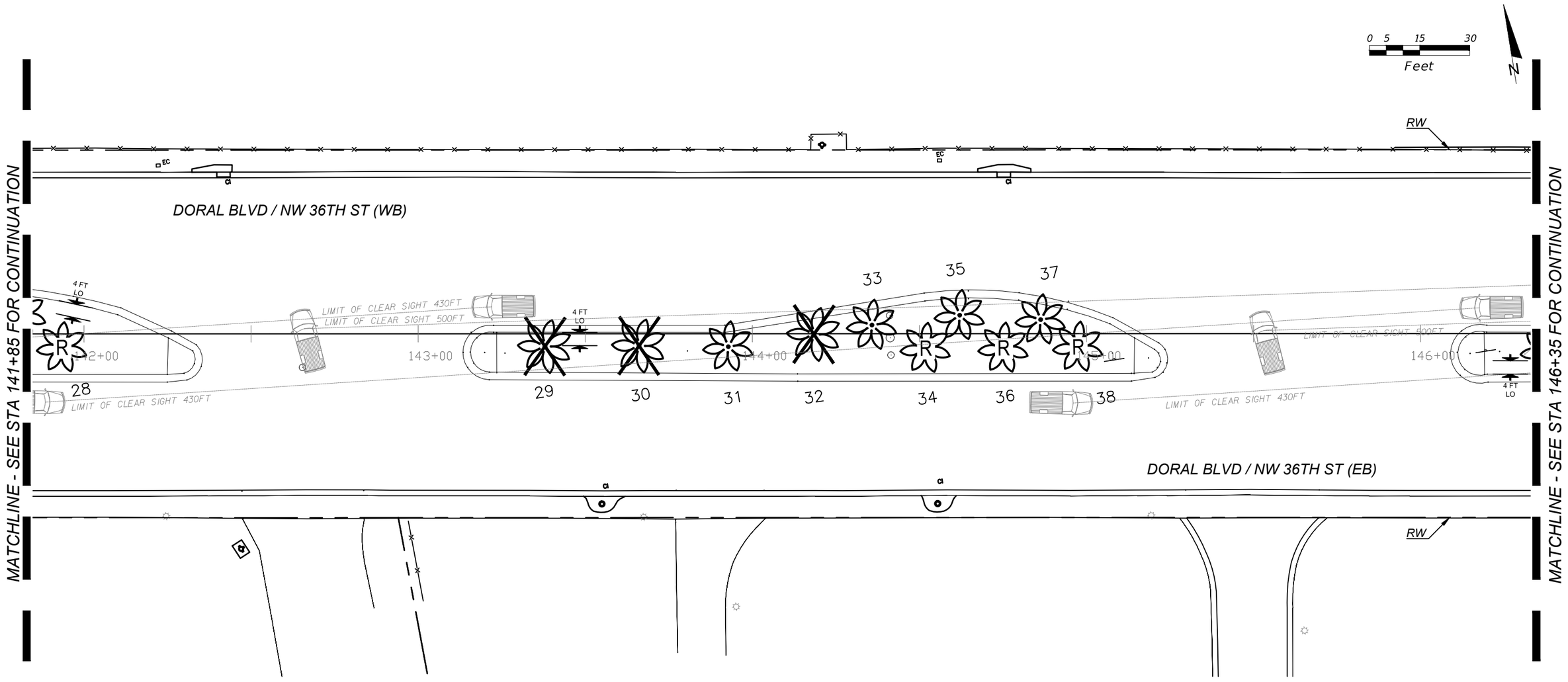

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-8

9/23/2021 3:18 PM; Layout Tab: TD08; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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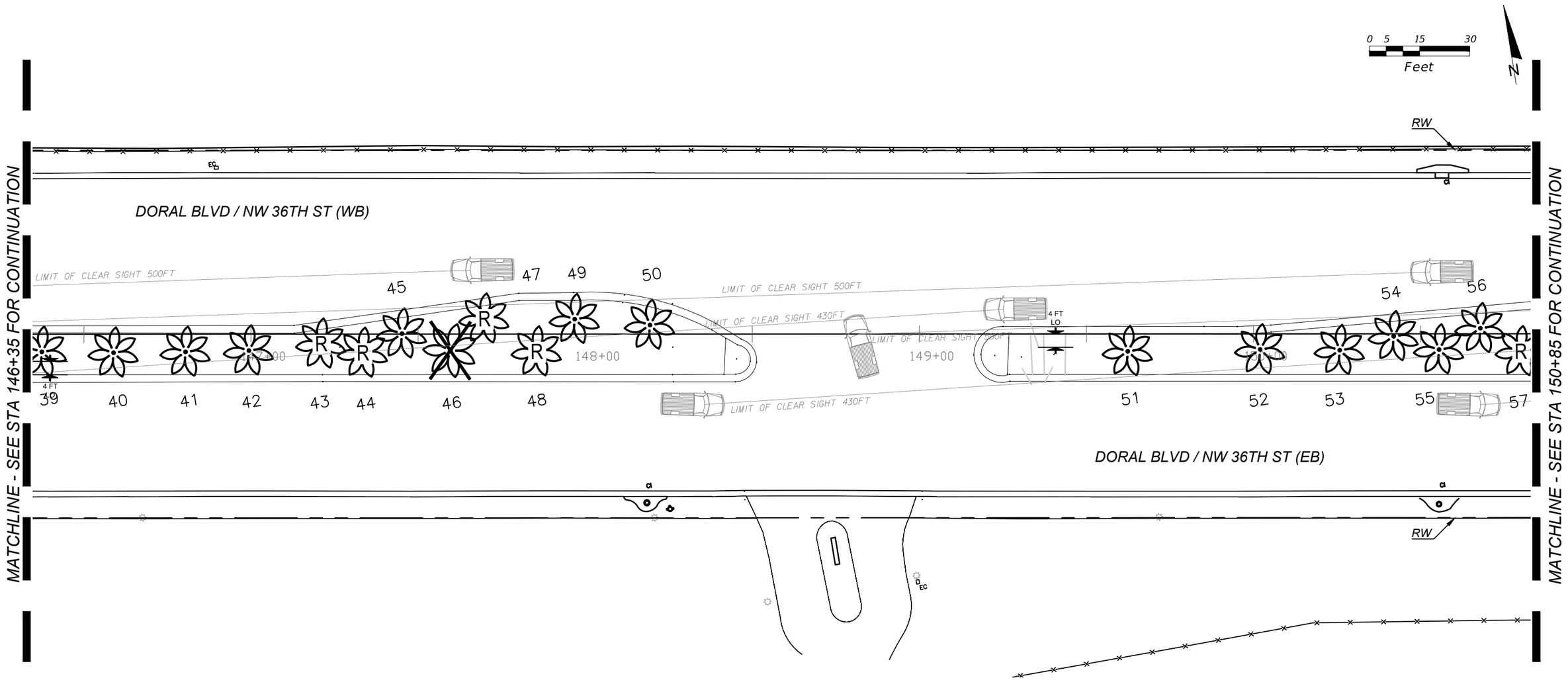

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY TM
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-9

9/23/2021 3:18 PM; Layout Tab: TD09; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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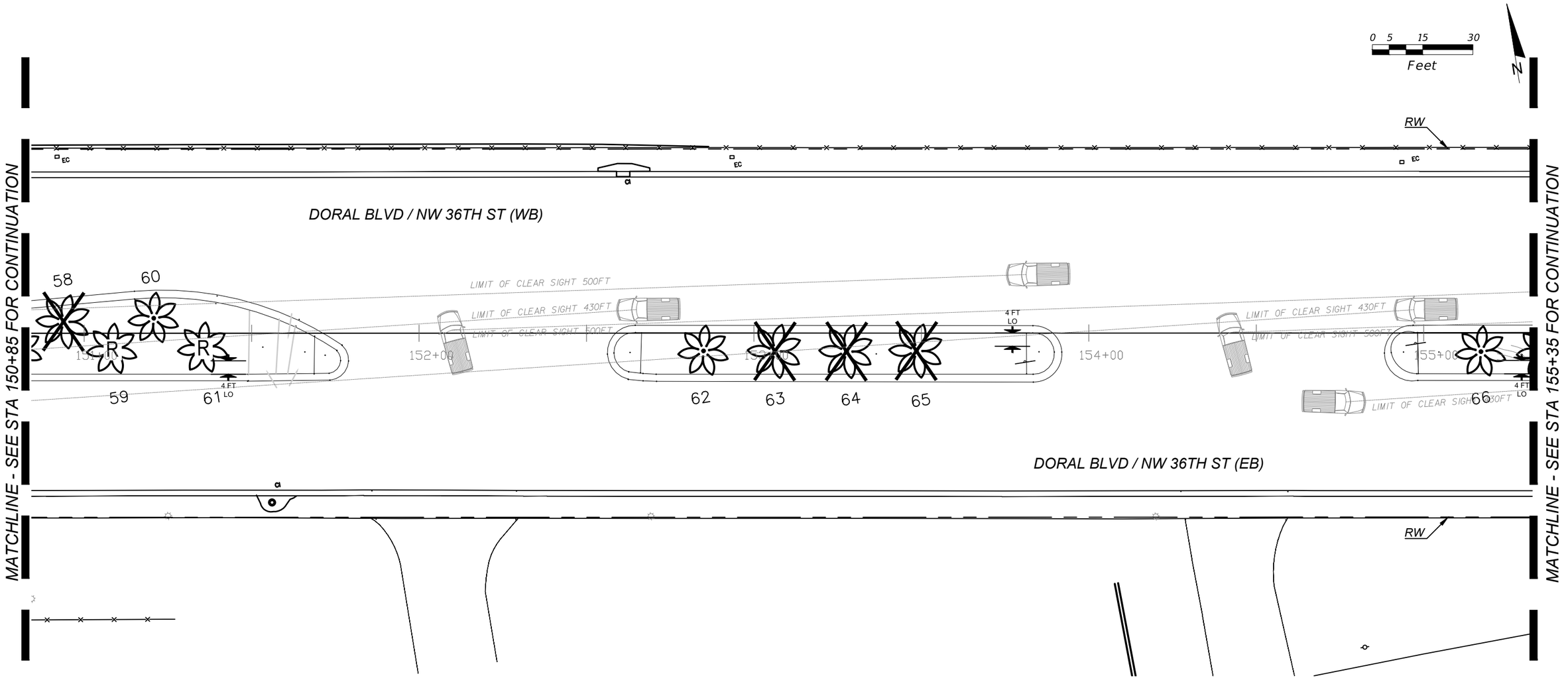

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION PLAN

SHEET NO. TD-10

9/23/2021 3:19 PM; Layout Tab: TD10; Pen Table: ----; Plot Created by: CHASE RUSSELL;

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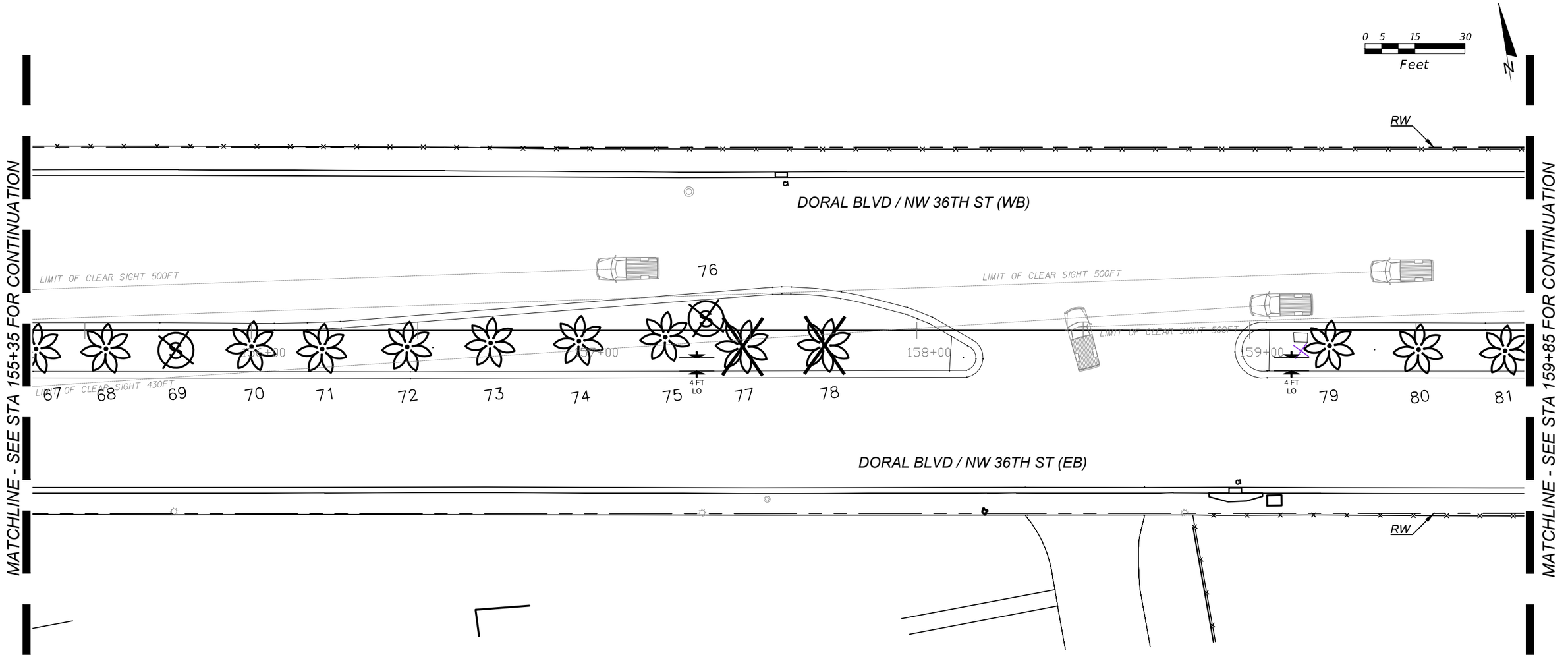

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION PLAN

SHEET NO. TD-11

9/23/2021 3:19 PM: Layout Tab: TD11; Pen Table: ----; Plot Created by: CHASE RUSSELL;

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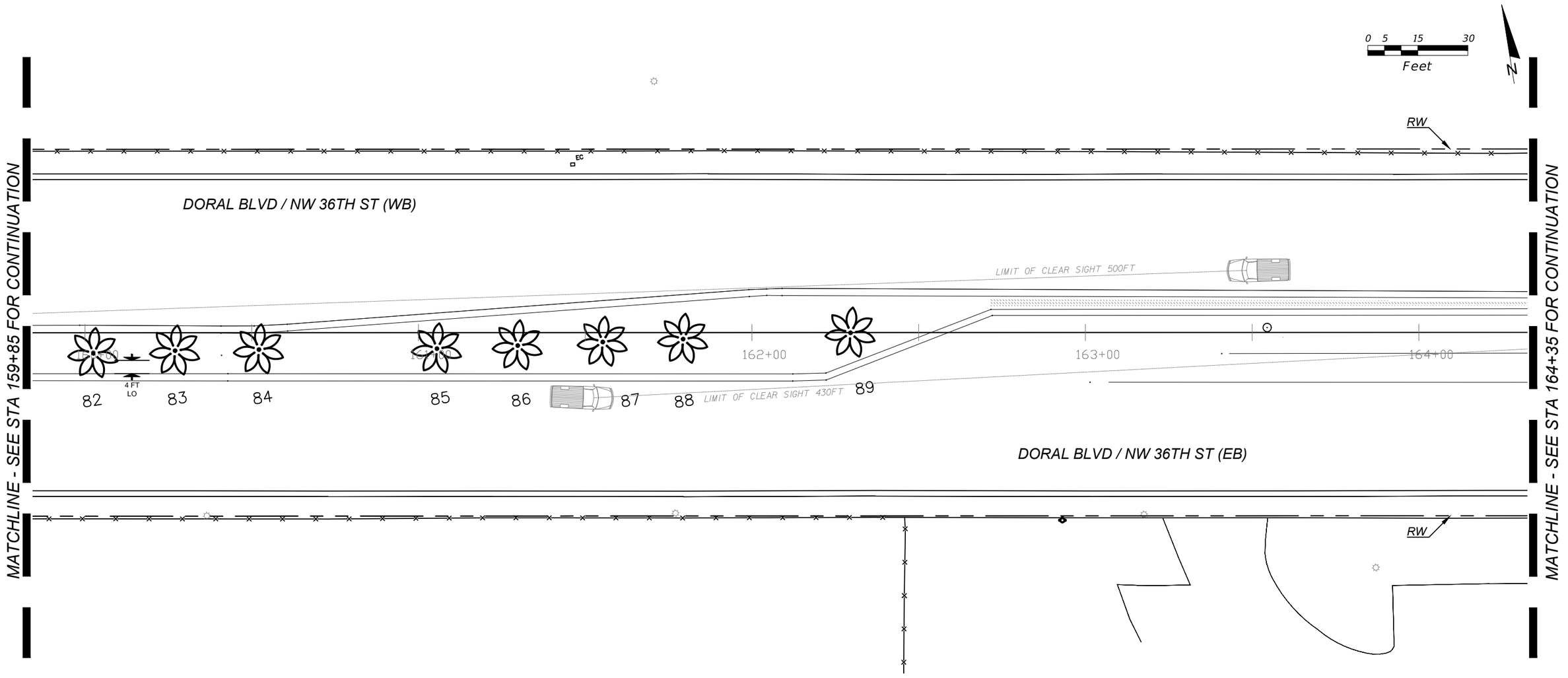

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

TREE DISPOSITION PLAN

SHEET NO. TD-12

9/23/2021 3:19 PM: Layout Tab: TD12; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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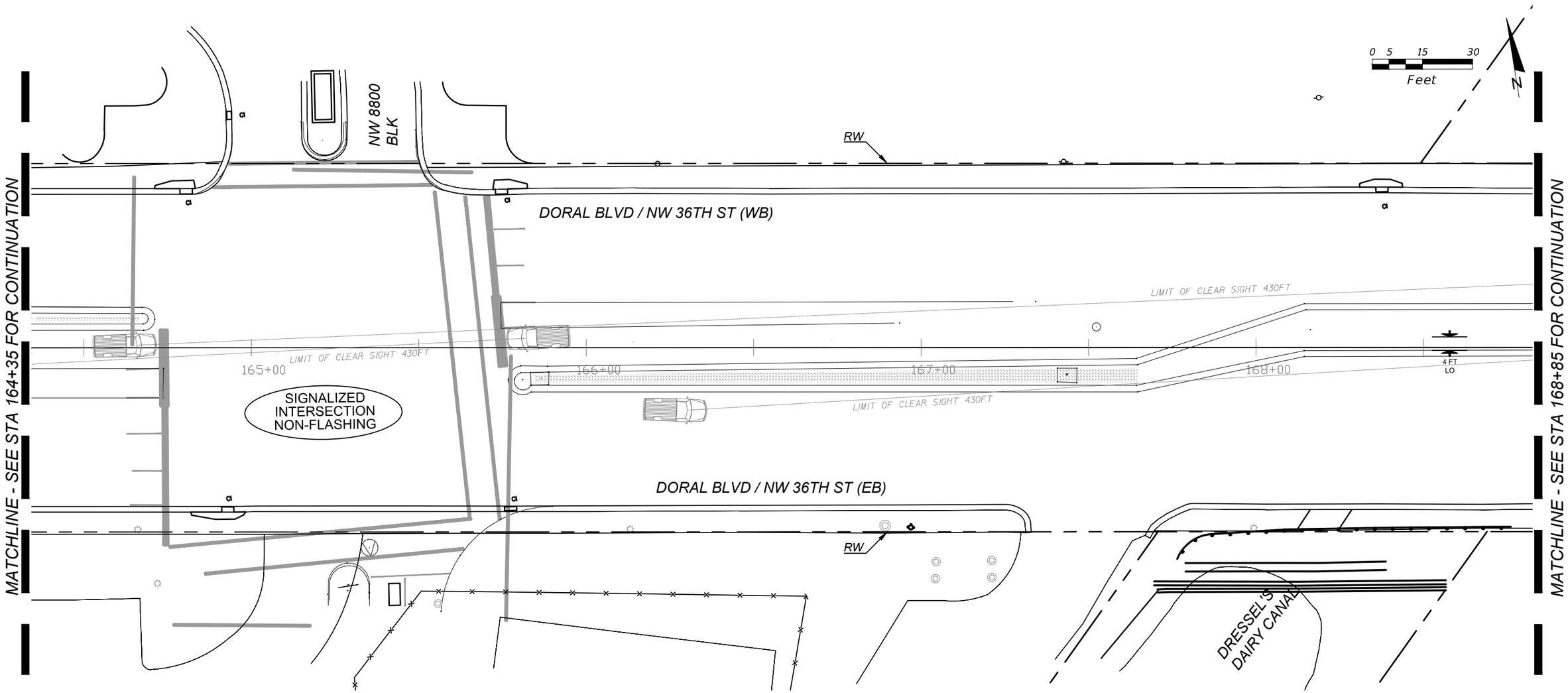

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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DATE	DESCRIPTION	DATE	DESCRIPTION

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(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-13

9/23/2021 3:19 PM; Layout Tab: TD13; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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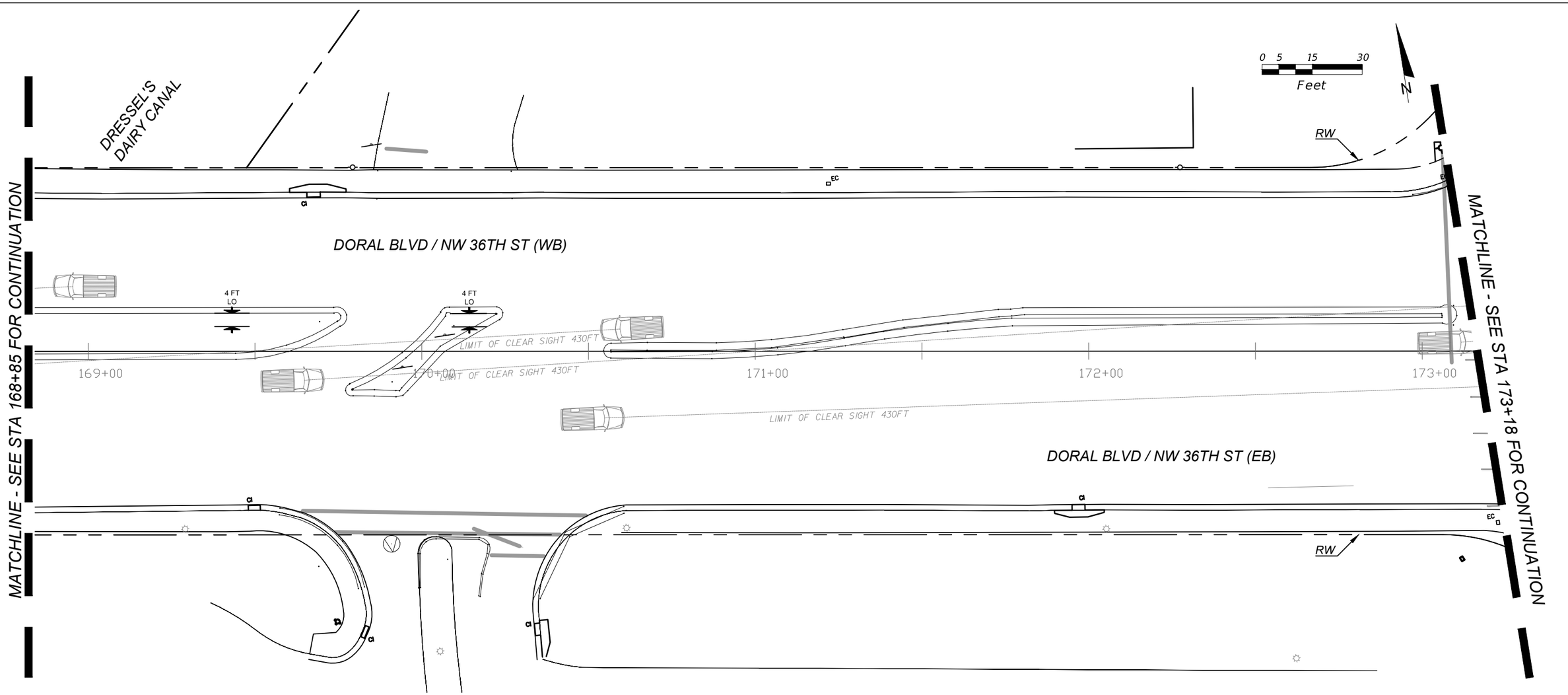

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-14

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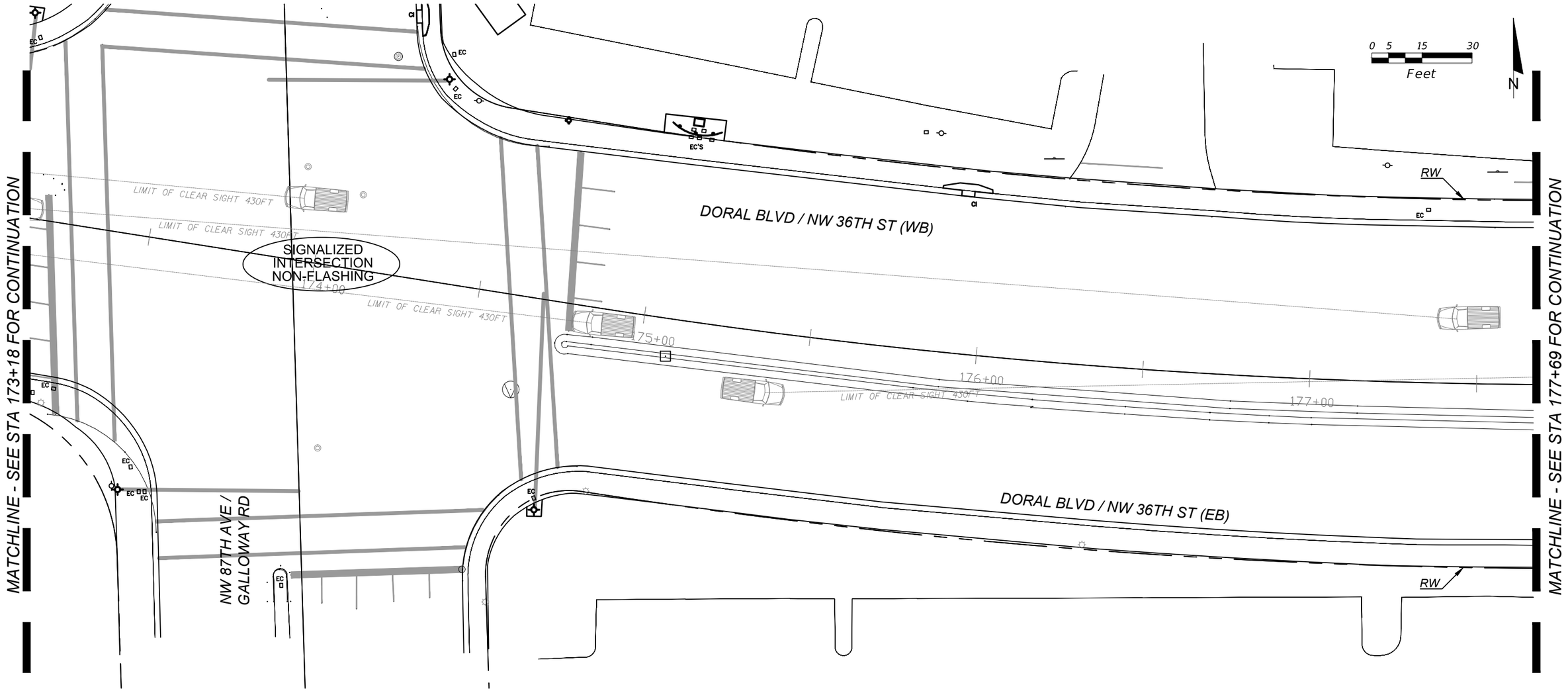

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

R
(TREE NUMBER)
RELOCATE EXISTING PALM

S
(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-15

9/23/2021 3:19 PM; Layout Tab: TD15; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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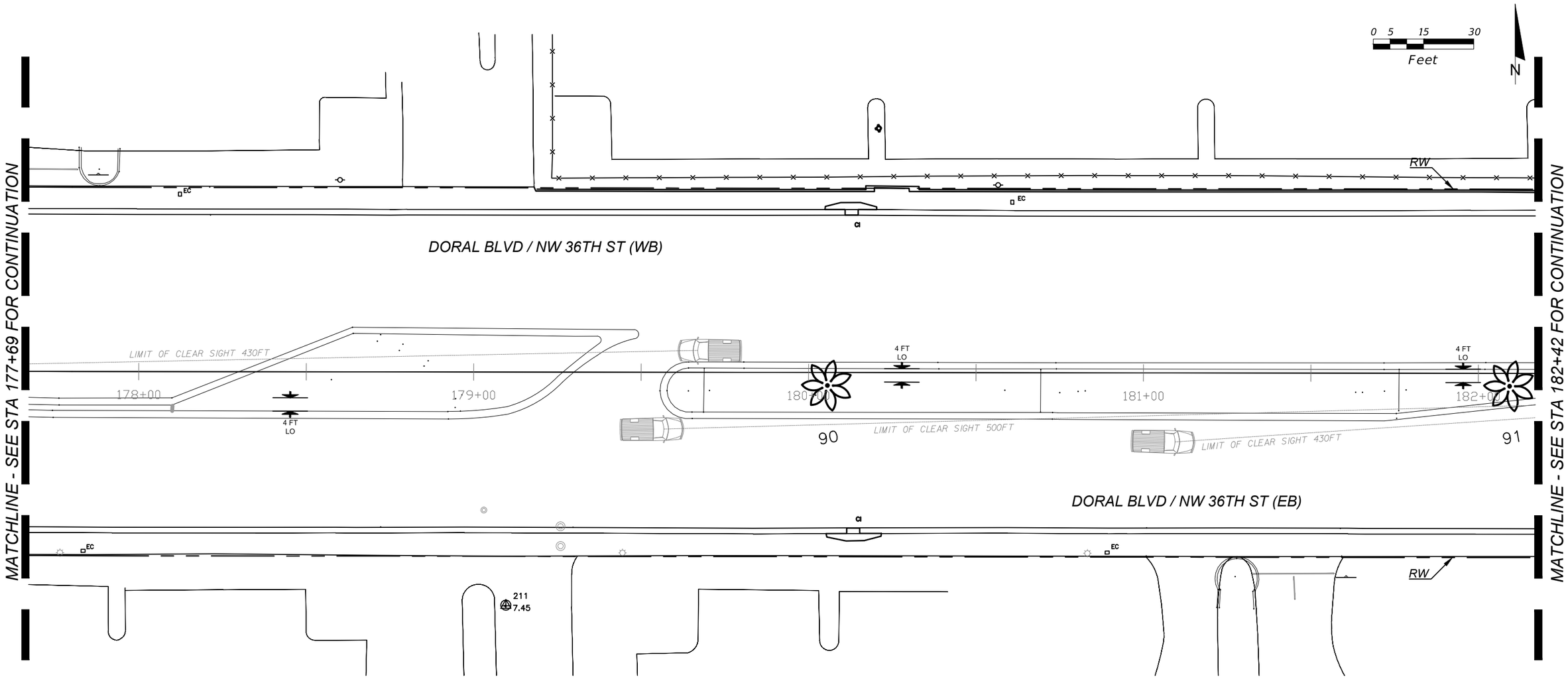

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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PROJECT NO: 18193.05
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CERTIFICATE OF AUTHORIZATION NO. 4978

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-16

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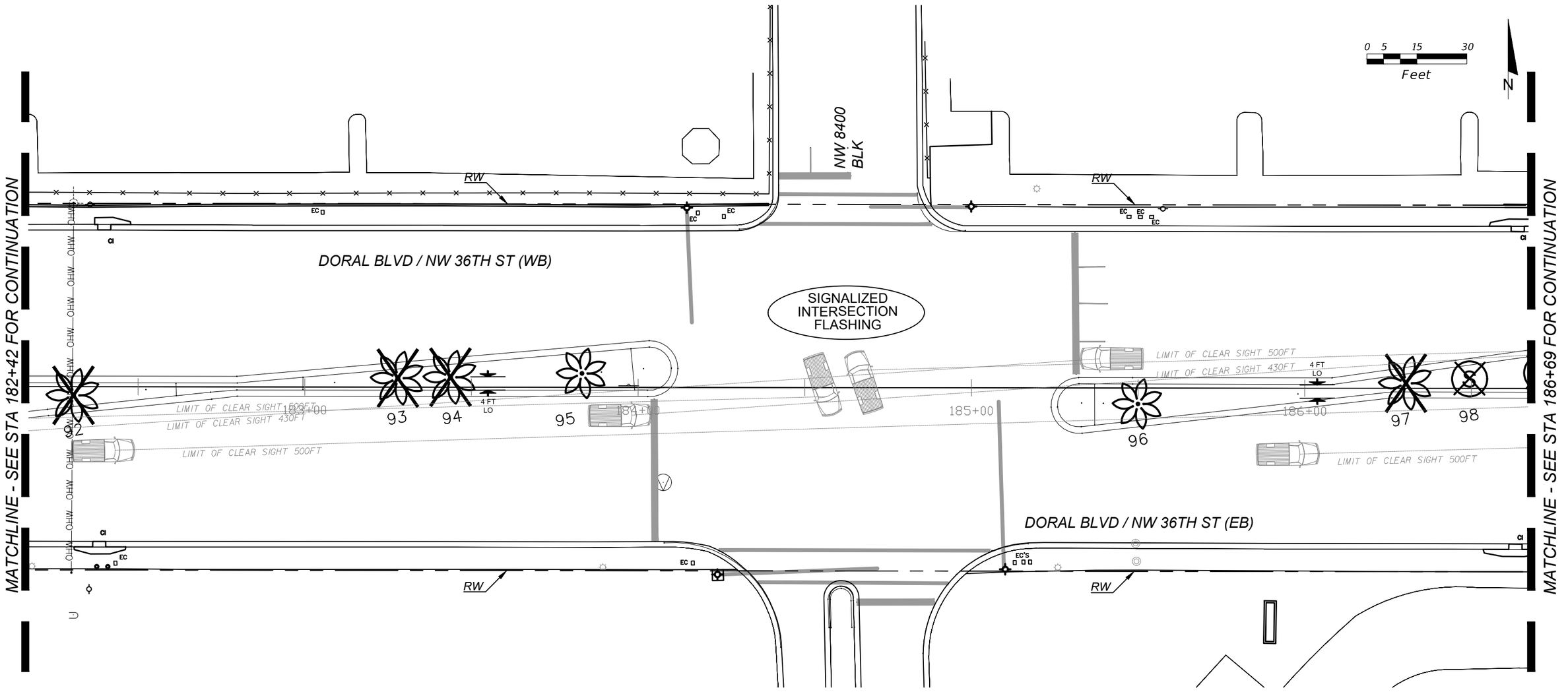

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-17

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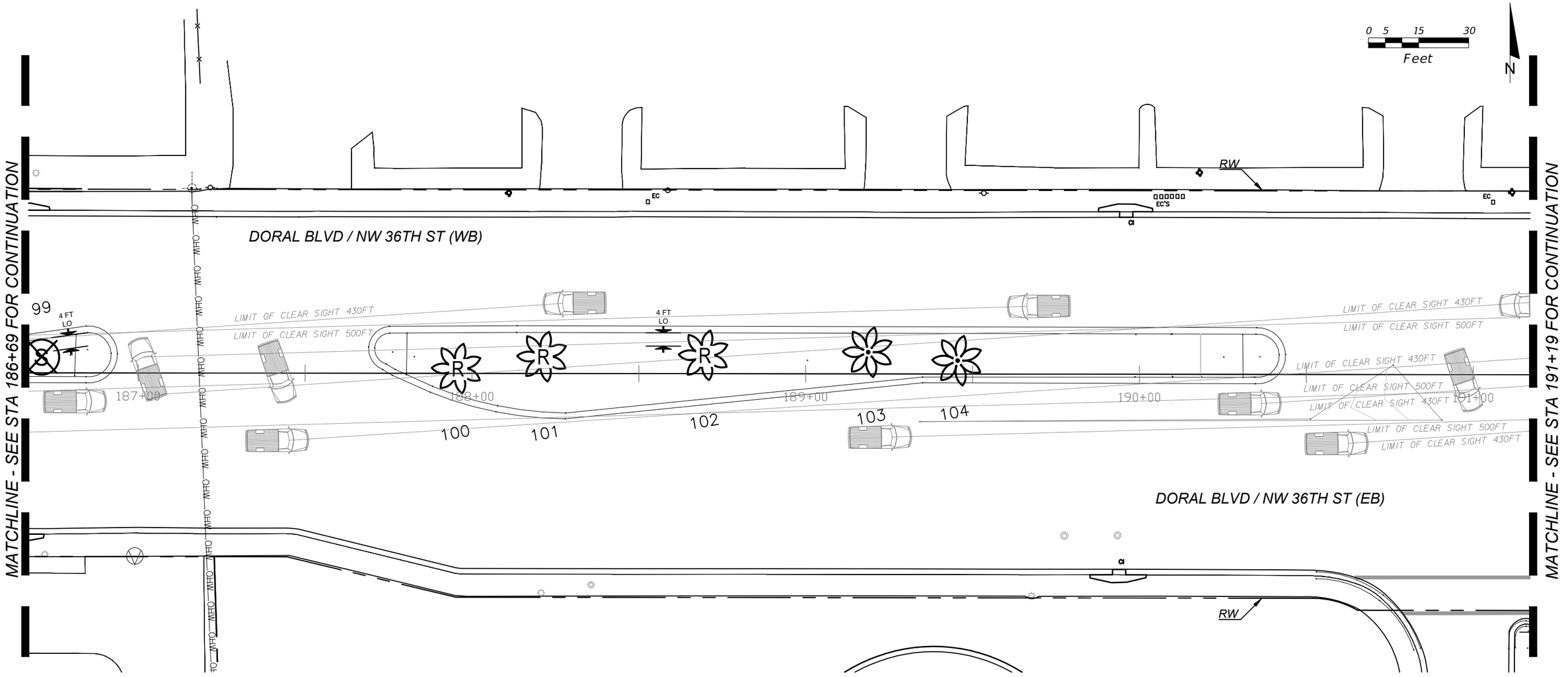

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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TODD MOHLER
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(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-18

9/23/2021 3:20 PM; Layout Tab: TD18; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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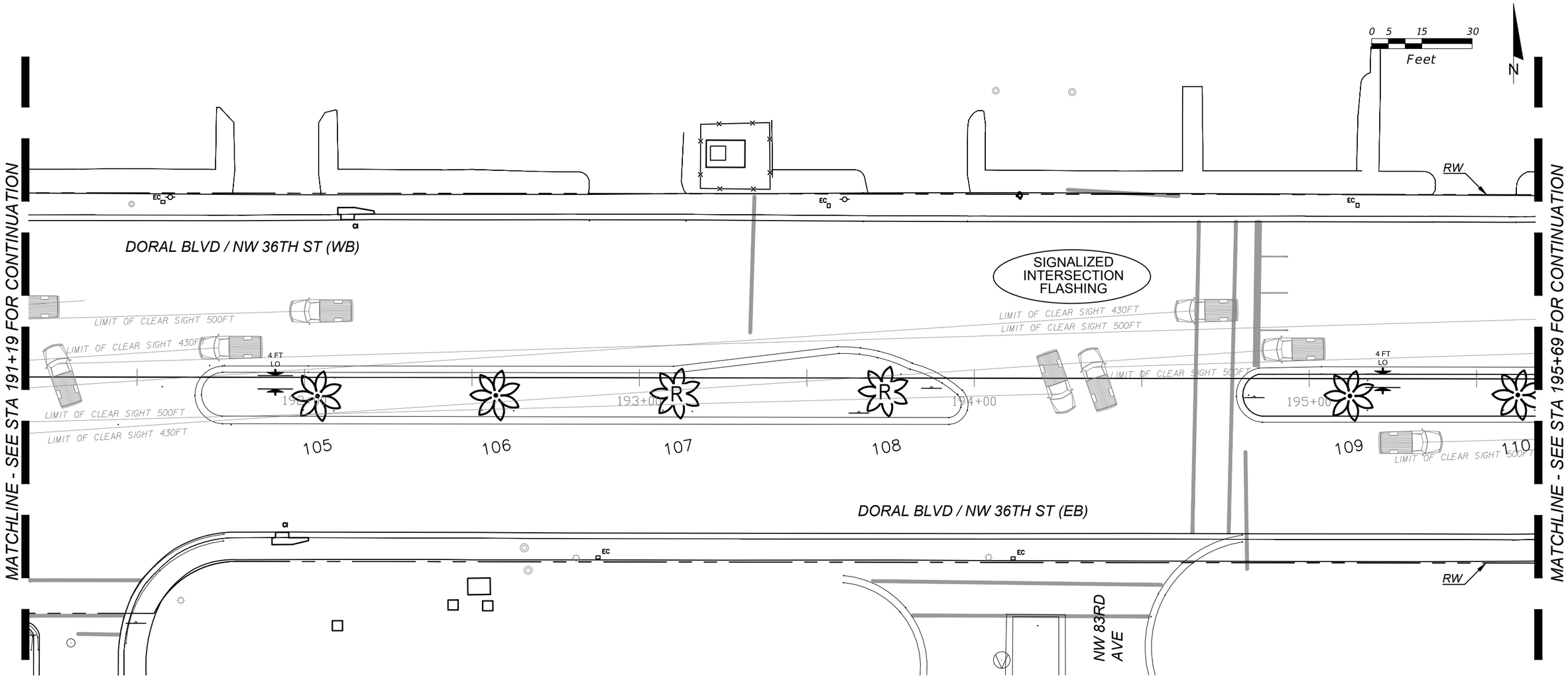

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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DATE	DESCRIPTION	DATE	DESCRIPTION

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TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-19

9/23/2021 3:20 PM; Layout Tab: TD19; Pen Table: ----; Plot Created by: CHASE RUSSELL;

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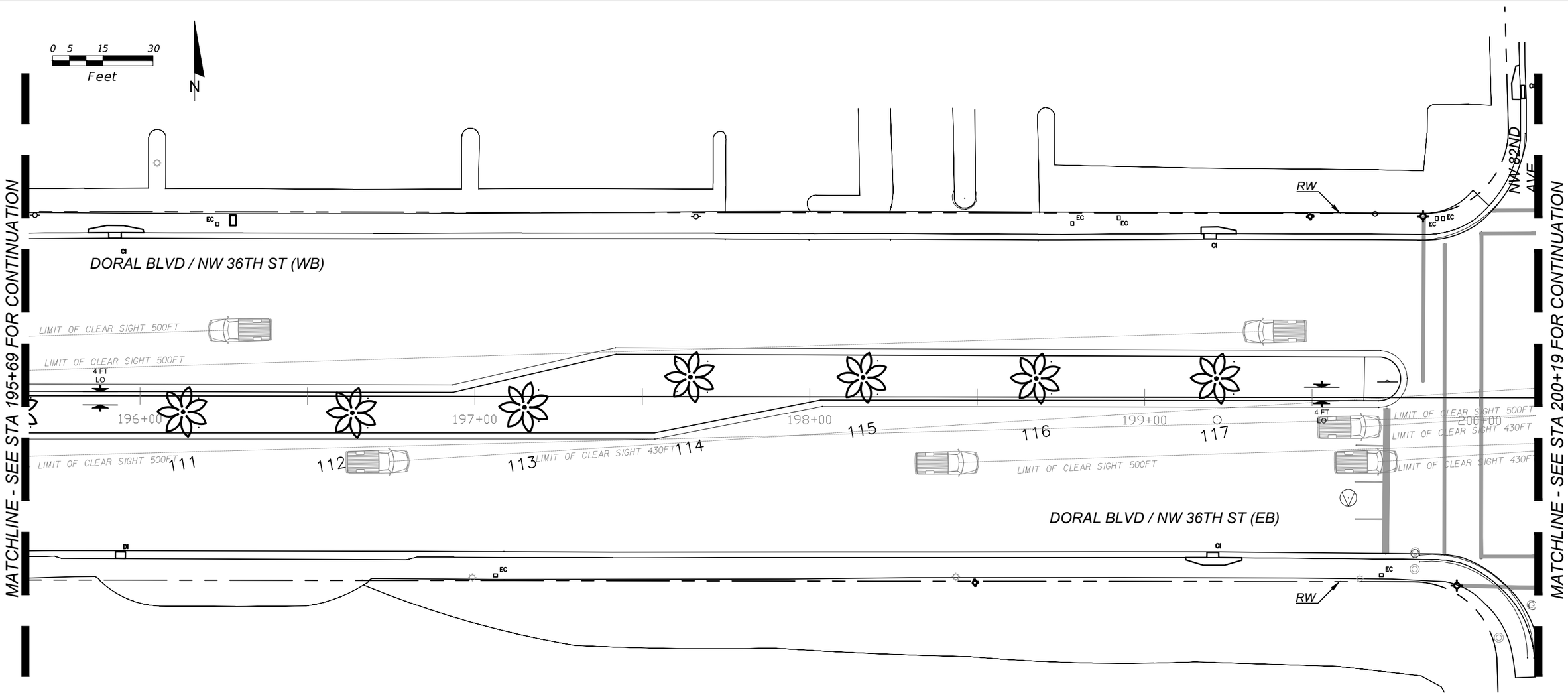

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-20

9/23/2021 3:20 PM; Layout Tab: TD20; Pen Table: ----; Plot Created by: CHASE RUSSELL;

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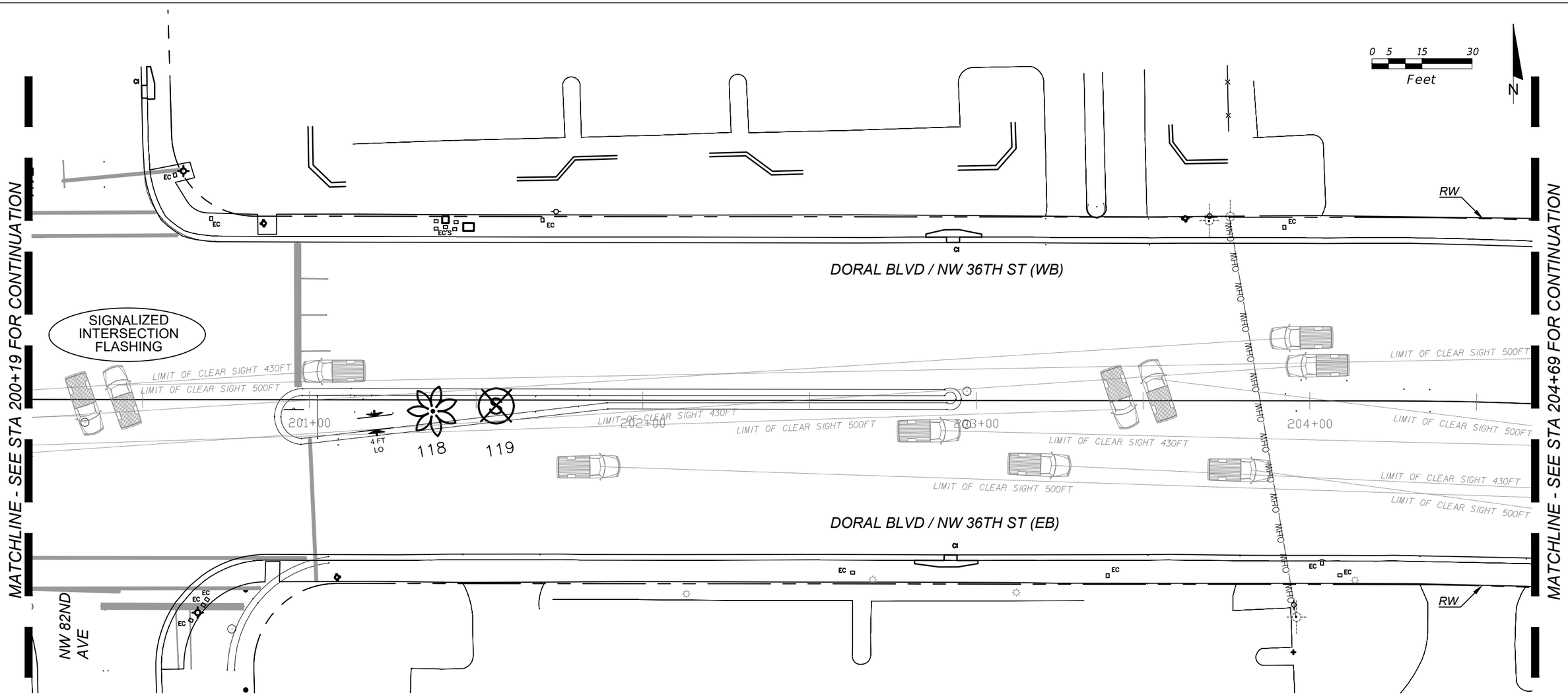

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-21

9/23/2021 3:21 PM: Layout Tab: TD21; Pen Table: ---; Plot Created by: CHASE RUSSELL;

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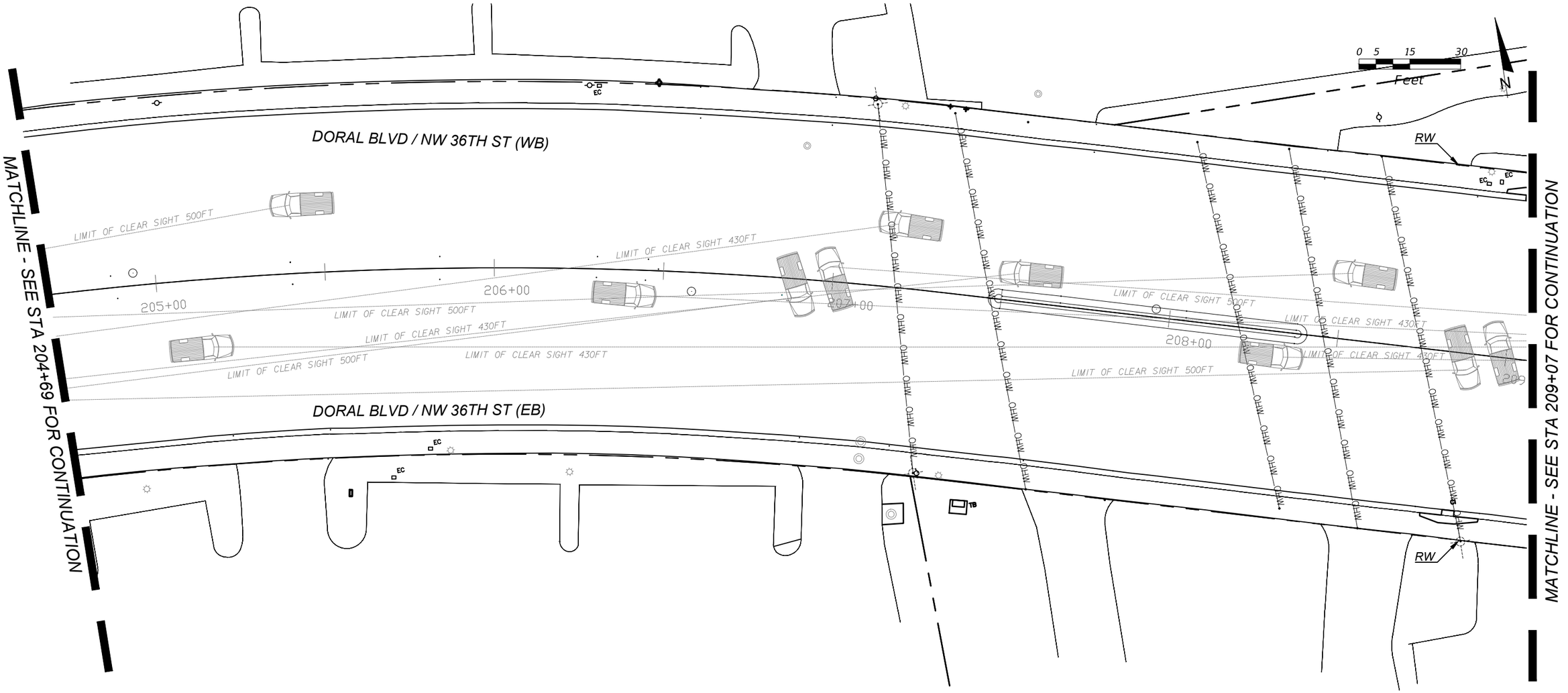

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO.
TD-22

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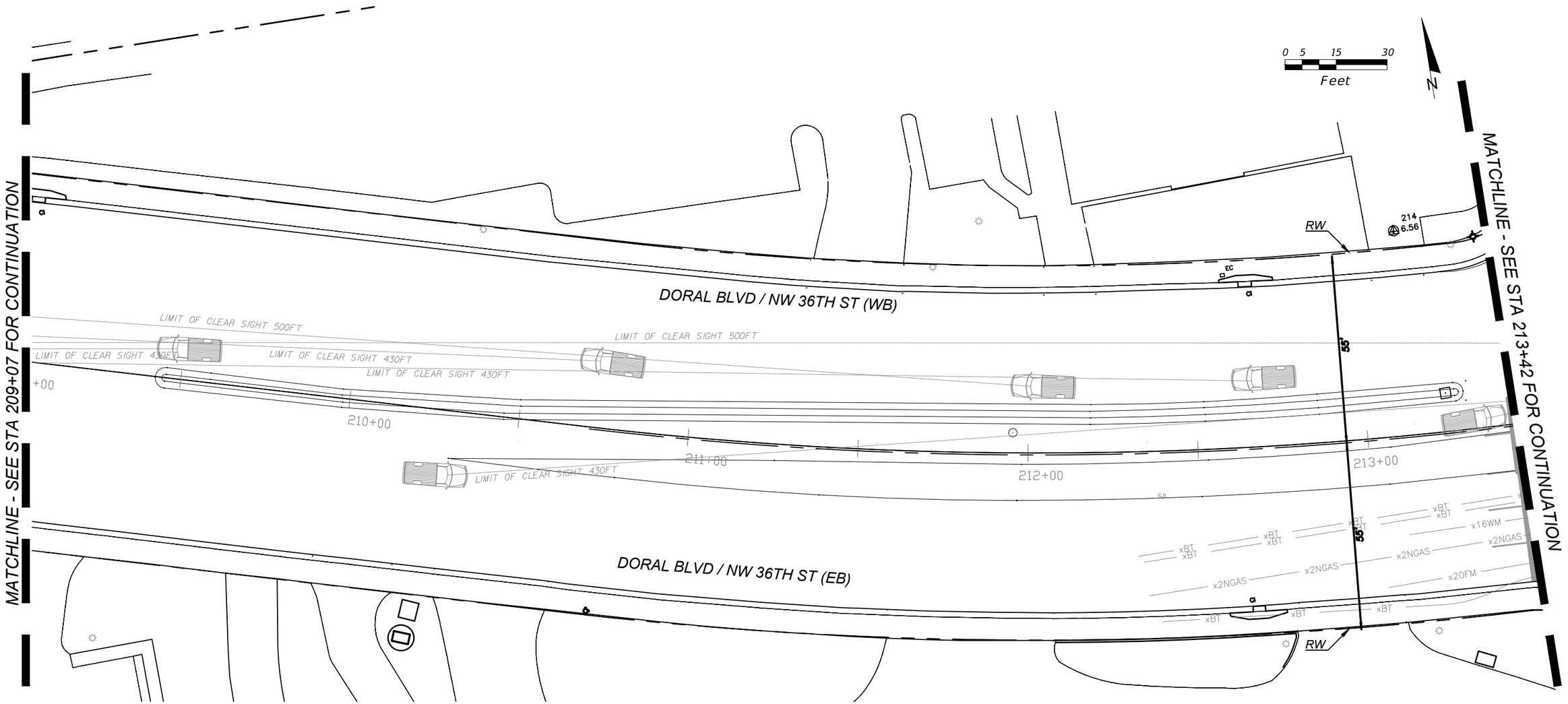

LEGEND

# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)	# (TREE NUMBER)
EXISTING PALM TO REMAIN	REMOVE EXISTING PALM	RELOCATE EXISTING PALM	REMOVE EXISTING STUMP

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0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-23

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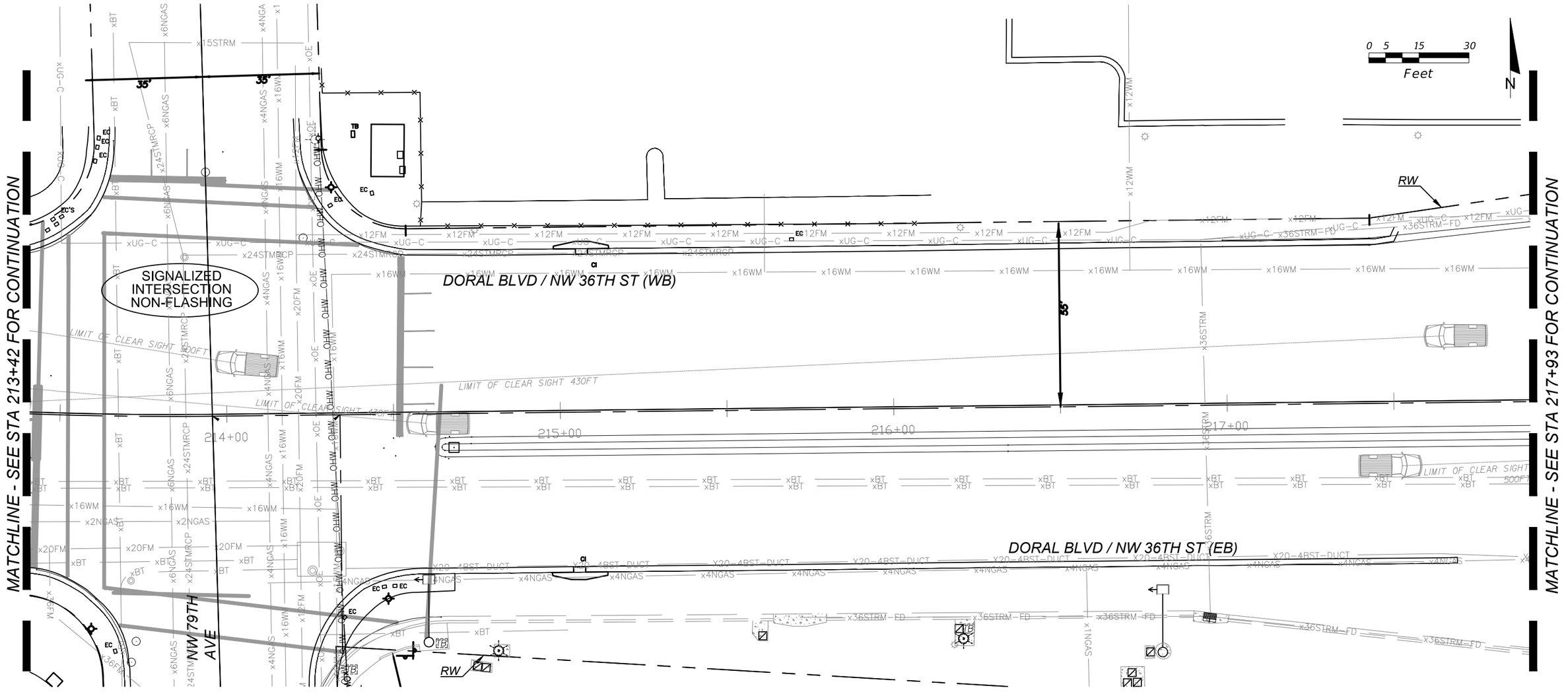

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

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TODD MOHLER
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(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-24

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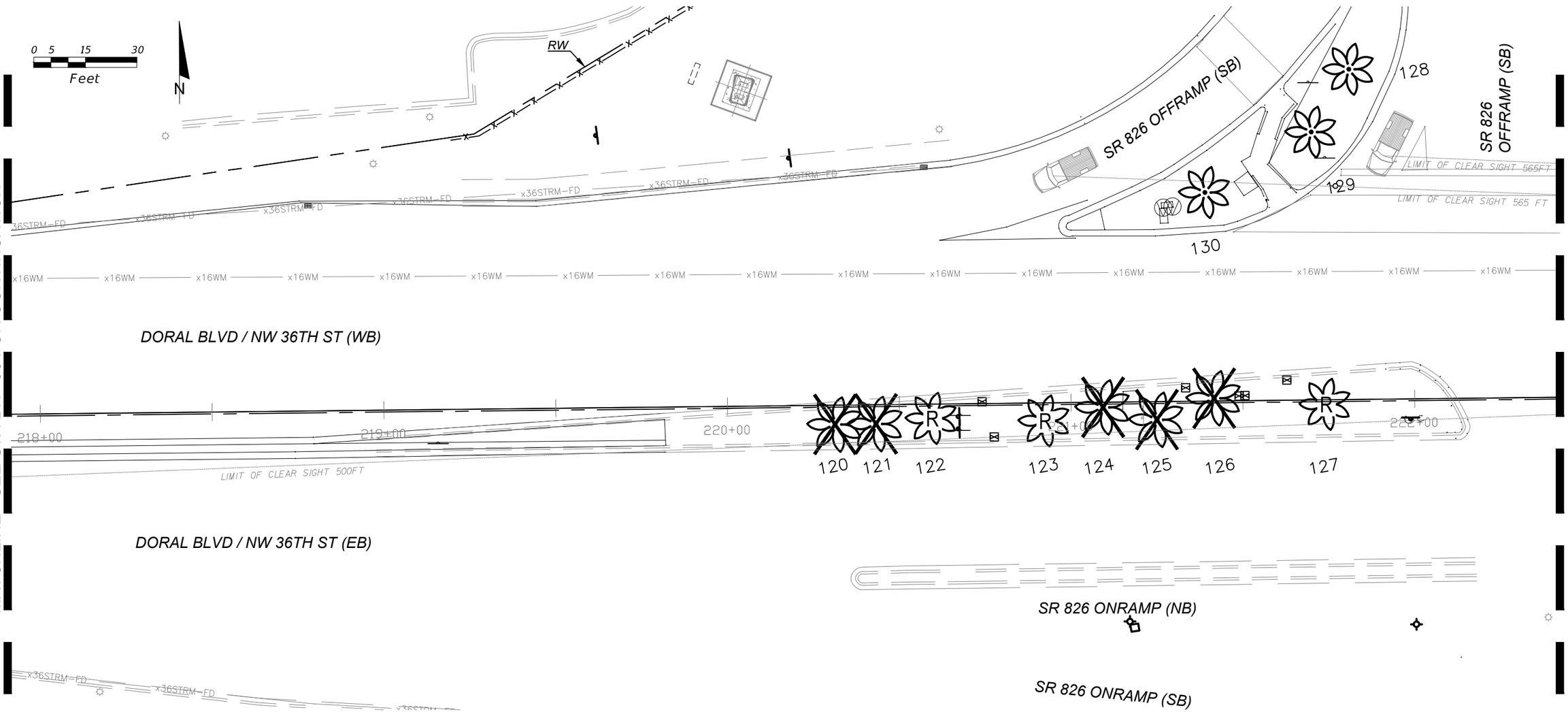

LEGEND

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REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-25

10/29/2021 1:18 PM; Layout Tab: TD25; Pen Table: ---; Plot Created by: TODD MOHLER;

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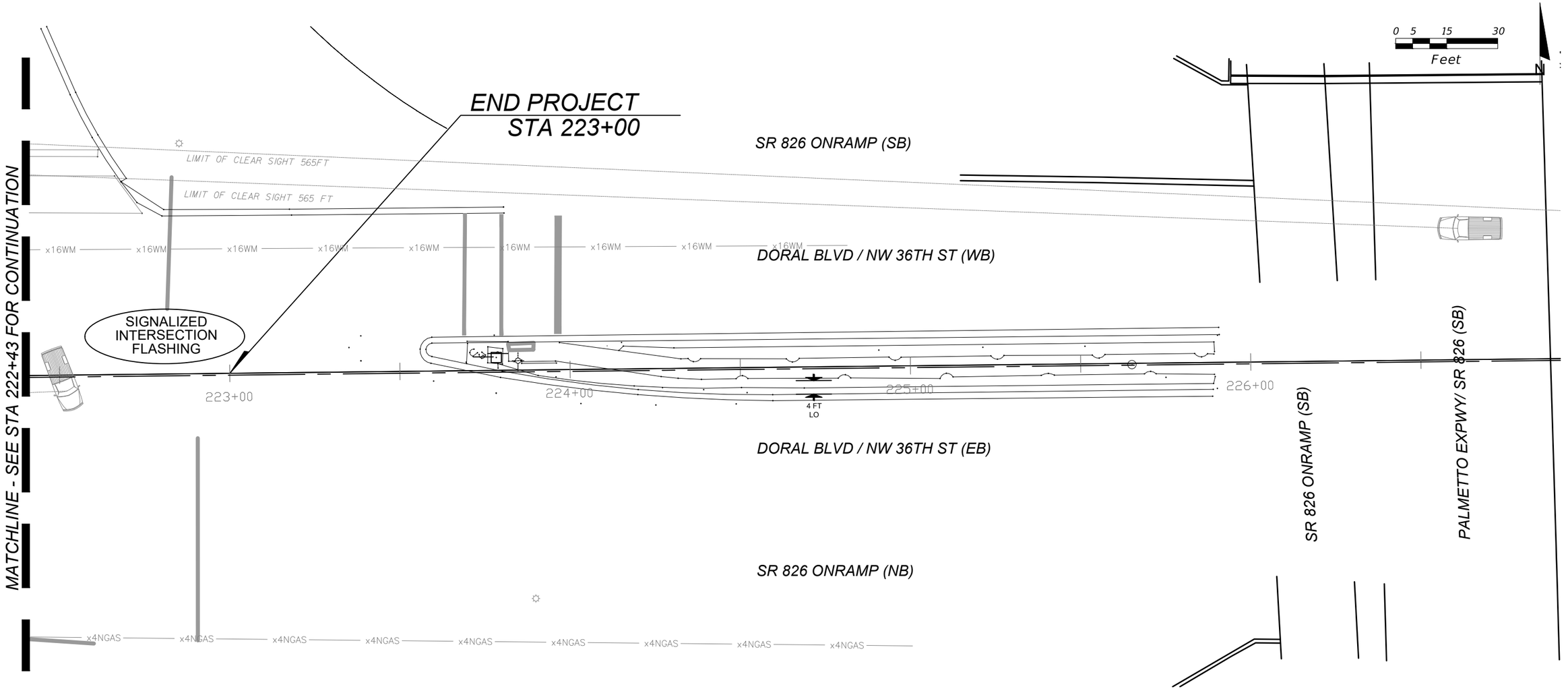

LEGEND

(TREE NUMBER)
EXISTING PALM TO REMAIN

(TREE NUMBER)
REMOVE EXISTING PALM

(TREE NUMBER)
RELOCATE EXISTING PALM

(TREE NUMBER)
REMOVE EXISTING STUMP

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LANDSCAPE ARCHITECT OF RECORD
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REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
TREE DISPOSITION PLAN

SHEET NO. TD-26

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10/29/2021 11:07 AM; Layout Tab: IR01; Pen Table: ---; Plot Created by: TODD MOHLER;

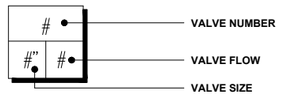
IRRIGATION SYMBOL KEY

SYMBOL	MANUFACTURER/MODEL
E EST, L LCS, R RCS, C CST, S SST	6 INCH SPRAY HEAD, 15 STRIP SERIES NOZZLE
8 Q, 8 T, 8 H, 8 F	6 INCH SPRAY HEAD, 8 SERIES NOZZLE
10 Q, 10 T, 10 H, 10 F	6 INCH SPRAY HEAD, 10 SERIES NOZZLE
12 Q, 12 T, 12 H, 12 TQ, 12 F	6 INCH SPRAY HEAD, 12 SERIES NOZZLE
15 Q, 15 T, 15 H, 15 TQ, 15 F	6 INCH SPRAY HEAD, 15 SERIES NOZZLE
15 15-VAN	6 INCH SPRAY HEAD, 15 SERIES NOZZLE
EST, LCS, RCS, CST, SST	12 INCH SPRAY HEAD, 15 STRIP SERIES NOZZLE
Q, T, H, F	12 INCH SPRAY HEAD, 8 SERIES NOZZLE
Q, T, H, F	12 INCH SPRAY HEAD, 10 SERIES NOZZLE
Q, T, H, TQ, F	12 INCH SPRAY HEAD, 12 SERIES NOZZLE
Q, T, H, TQ, F	12 INCH SPRAY HEAD, 15 SERIES NOZZLE
E EST, L LCS, R RCS, C CST, S SST	12 INCH SPRAY HEAD, 15 STRIP SERIES NOZZLE, ON RISER ASSEMBLY
8 Q, 8 T, 8 H, 8 F	12 INCH SPRAY HEAD, 8 SERIES NOZZLE, ON RISER ASSEMBLY
10 Q, 10 T, 10 H, 10 F	12 INCH SPRAY HEAD, 10 SERIES NOZZLE, ON RISER ASSEMBLY
12 Q, 12 T, 12 H, 12 TQ, 12 F	12 INCH SPRAY HEAD, 12 SERIES NOZZLE, ON RISER ASSEMBLY
15 Q, 15 T, 15 H, 15 TQ, 15 F	12 INCH SPRAY HEAD, 15 SERIES NOZZLE, ON RISER ASSEMBLY
1401	ONE 0.25 GPM FLOOD BUBBLER
1402	TWO 0.25 GPM FLOOD BUBBLERS
1404	TWO 0.50 GPM FLOOD BUBBLERS

IRRIGATION SYMBOL KEY (cont'd)

SYMBOL	MANUFACTURER/MODEL
	AIR/VACUUM RELIEF VALVE
	REMOTE CONTROL VALVE
	MAINLINE ISOLATION VALVE
P1	PUMP STATION 1
P2	PUMP STATION 2
P3	PUMP STATION 3
	IRRIGATION LATERAL LINE
	IRRIGATION MAINLINE AND CONTROL WIRE CONDUIT
	DIRECTIONAL BORE

VALVE CALLOUT



IRRIGATION TABULATION OF QUANTITIES

Pay Item No.	Description	Specifications	Unit	Quantity
				**
590-70	PUMP STATION	HOOVER PUMP STATION MODEL HCF-7.5CSV-480/3-D,E-50,W,Z INCLUDES CONTROLLER	EA	2
		HOOVER PUMP STATION MODEL HCF-7.5CSV-230/1-D,E-50,W,Z INCLUDES CONTROLLER	EA	1
	WELL	4 INCH OPEN ENDED, GALVANIZED STEEL, 30-80 FT DEPTH ESTIMATED	EA	3
	ZONE CONTROL VALVE	RAINBIRD PESB (SIZE PER PLANS)	EA	29
	ZONE GATE VALVE	LEEMCO LV-220	EA	29
	THREADED PVC NIPPLES	PVC SCHEDULE 80 (INSTALL NO MALE ADAPTERS)	EA	95
	MAINLINE	4 INCH HDPE DR 13.5 IPS (NOT INCLUDING DIRECTIONAL BORES)	LF	3,855
		4 INCH PVC CLASS 200	LF	100
		3 INCH PVC SCH 40	LF	50
		2 INCH PVC SCH 40	LF	125
	MAINLINE SERVICE TEE	HDPE DR 11 FUSIBLE; AT VALVES, USE 4 INCH ELECTROFUSION SADDLE WITH 2 INCH BRASS FPT OUTLET	EA	33
	MAINLINE MARKING TAPE	2 INCH DETECTABLE MARKING TAPE OVER MAINLINE, 12 IN BELOW GRADE	LF	4130
	MAINLINE ISOLATION VALVE	AVK SERIES 85 BALL VALVE WITH FUSIBLE DR11 IPS HDPE ENDS, MATCH MAINLINE SIZE	EA	8
	AIR/VACUUM RELEASE VALVE	BERMAD C10 COMBINATION AIR AND VACUUM RELEASE WITH TEST POINT MODEL IR-2-C10-P-D-NMT	EA	4
	VALVE BOX	OLDCASTLE TIER 8 RATED FIBRELYTE FL30, 15 X 24 X 12 INCH DEEP	EA	41
	PULL BOX	OLDCASTLE TIER 8 RATED FIBRELYTE FL30, 15 X 24 X 12 INCH DEEP	EA	10
	VALVE BOX IDENTIFICATION	ALUMINUM NUMBERS / LETTERS	EA	93
	#57 ROCK	BELOW VALVE BOXES PER DETAIL	CF	191
	FILTER FABRIC	BELOW VALVE BOXES PER DETAIL	SF	408
	CONTROL WIRE CONDUIT	2 INCH HDPE RED STRIPE (NOT INCLUDING DIRECTIONAL BORES)	LF	4130
	CONTROL WIRE	SOLID COPPER, TYPE UF-83 THHN/THWN INSTALL 14 AWG RED FOR HOT WIRES, INSTALL 14 AWG BLUE FOR SPARES, INSTALL 14 AWG WHITE FOR THE COMMON / COMMON SPARE FOR POC 2/3 SYSTEMS	LF	43,500
		SOLID COPPER, TYPE UF-83 THHN/THWN INSTALL 12 AWG WHITE FOR THE COMMON / COMMON SPARE FOR POC 1 SYSTEM	LF	7,600
	CONTROL WIRE CONNECTORS	3M DBY/R-6	EA	116
	LATERAL LINE	3/4 INCH MINIMUM TO 3 INCH PVC SCHEDULE 40 WITH PVC SCHEDULE 40 SOLVENT WELD FITTINGS	LF	17,650
	DIRECTIONAL BORE	4 INCH HDPE DR 13.5 IPS	LF	2,470
		3 INCH HDPE DR 13.5 IPS	LF	1,100
		2 INCH HDPE DR 13.5 IPS	LF	5,465
	SPRAY HEADS	RAINBIRD 1806-PRS WITH MPR NOZZLES	EA	322
		RAINBIRD 1812-PRS WITH MPR NOZZLES	EA	421
		RAINBIRD 1812-PRS WITH MPR NOZZLES ON RISER ASSEMBLY	EA	62
	STAINLESS STEEL ZIP TIES	FOR RISER ASSEMBLY	EA	124
	BUBBLERS	RAINBIRD 1400 SERIES PRESSURE COMPENSATING ON POLY PIPE, 0.25 GPM	EA	221
		RAINBIRD 1400 SERIES PRESSURE COMPENSATING ON POLY PIPE, 0.50 GPM	EA	44

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22
CERTIFICATE OF AUTHORIZATION NO. 1337

REGISTERED LANDSCAPE ARCHITECT TODD KEENE-MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION TABULATION OF QUANTITIES

SHEET NO. IR-1

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IRRIGATION NOTES

1 DESCRIPTION.

1.1 FURNISH, INSTALL, ESTABLISH, OPERATE AND MAINTAIN THE IRRIGATION SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ALLOWABLE CONTRACT TIME IS TWO SEPARATE PHASES CALLED INSTALLATION PERIOD AND ESTABLISHMENT PERIOD.

2 MATERIALS.

2.1. MATERIALS MUST BE AVAILABLE FOR INSPECTION BEFORE INSTALLATION.

2.3 SUBMITTALS:
BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:
A. SCHEDULE OF VALUES FOR EACH ITEM OF WORK.
B. WATERING APPLICATION PROCEDURES.
C. IRRIGATION CONTRACTOR CERTIFICATION BY THE IRRIGATION ASSOCIATION (IA).
D. SHOP DRAWINGS/MANUFACTURES PRODUCT SHEETS FOR EACH ITEM SPECIFIED.
E. FUSION EQUIPMENT CERTIFICATION TRAINING WITHIN THE PAST 12 MONTHS.

3 INSTALLATION PERIOD.

3.1 THE INSTALLATION PERIOD PRECEDES THE ESTABLISHMENT PERIOD AND IS THE ALLOWABLE CONTRACT TIME MINUS THE ESTABLISHMENT PERIOD.

3.2 AN IA CERTIFIED IRRIGATION CONTRACTOR MUST BE ON SITE TO DIRECT IRRIGATION OPERATIONS.

3.3 LAYOUT: BEFORE INSTALLATION, MARK PIPE ROUTES AND EQUIPMENT LOCATIONS. NOTIFY THE CITY WHEN MARKING IS COMPLETE. ADJUST FINAL LOCATIONS TO ACCOMMODATE FIELD CONDITIONS OR AS DIRECTED.

3.4 INSTALLATION:
A. TUNNEL UNDER TREE ROOTS OVER 1 INCH DIAMETER.
B. REQUEST PIPE INSTALLATION REVIEW BEFORE BACKFILLING.
C. BACKFILL IN ACCORDANCE WITH ASTM D2774.
D. PERFORM DIRECTIONAL BORING WHEN REQUIRED, IN ACCORDANCE WITH FDOT SECTION 555.
E. MAKE PVC SOLVENT WELD CONNECTIONS IN ACCORDANCE WITH ASTM D2855.
F. APPLY PURPLE COLORED PVC PRIMER IN ACCORDANCE WITH ASTM F656.
G. APPLY PVC CEMENT IN ACCORDANCE WITH ASTM D2564.
H. MAKE HDPE FUSION CONNECTIONS IN ACCORDANCE WITH THE MANUFACTURER.

4 TESTING.

4.1 MAINLINE LEAK TEST:
A. BEFORE TESTING, THE MAINLINE MUST BE COMPLETE. NO MODIFICATIONS TO THE MAINLINE ARE ACCEPTABLE AFTER SUCCESSFUL COMPLETION OF THE LEAKAGE TEST.
B. BEFORE TESTING, ISOLATE THE MAINLINE AND FILL THE WITH WATER TO THE TEST PRESSURE FOR 24 HOURS.
C. COORDINATE TESTING WITH THE CITY.
D. ISOLATE THE MAINLINE AND FILL THE WITH WATER AND PRESSURIZE TO 105 PSI. THE FINAL PRESSURE AFTER 1 HOUR MUST BE WITHIN 5 PERCENT OF THE TEST PRESSURE.

4.2 ZONE PRESSURE TEST:
TEST EACH ZONE UPON COMPLETION AT THE FIRST AND LAST HEAD. THE PRESSURE REQUIREMENTS ARE PLUS OR MINUS 10 PERCENT OF THE DESIGN OPERATING PRESSURE OF THE SYSTEM.

5 ADJUSTMENT.
ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS TO PREVENT OVERSPRAY.

6 CLOCK PROGRAMMING: RUN SMALL ZONES OF SAME ZONE TYPE TOGETHER TO INSURE MINIMUM RECOMMENDED FLOW FOR PUMP STATION IS MET.

7 AS-BUILT PLAN:
SUBMIT FINAL AS-BUILT TO THE LANDSCAPE ARCHITECT.
PREPARE AS-BUILT PLANS AS THE WORK PROGRESSES.
KEEP THE AS-BUILT PLAN SET ON SITE DURING INSTALLATION. INDICATE THE ACTUAL LOCATION OF EQUIPMENT WITH AT LEAST TWO DIMENSIONS FROM FIXED LANDMARKS.

8 SITE REPAIR AND RESTORATION: REPAIR AND RESTORE EXISTING ITEMS DISTURBED BY INSTALLATION, ESTABLISHMENT OR MAINTENANCE ACTIVITIES. REMOVE AND DISPOSE OF DEBRIS AND EXCESS MATERIAL GENERATED AT THE END OF EACH WORKDAY.

9 INSTALLATION COMPLETION: NOTIFY THE CITY NO LESS THAN SEVEN CALENDAR DAYS IN ADVANCE OF COMPLETION.

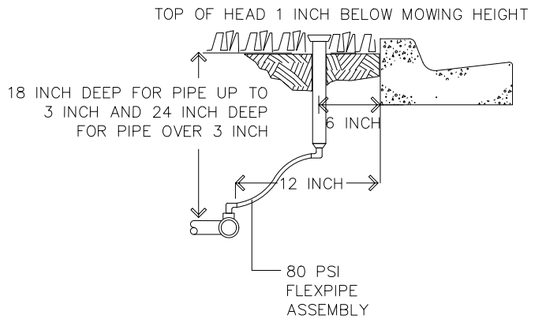
10 ESTABLISHMENT PERIOD.

10.1 THE ONE-YEAR ESTABLISHMENT PERIOD BEGINS WHEN THE CITY ACCEPTS THE INSTALLATION REGARDLESS OF THE DURATION OF THE TIME USED FOR THE INSTALLATION PERIOD.

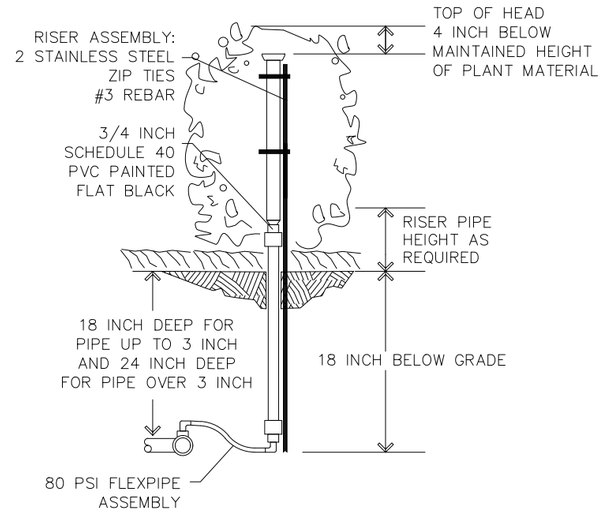
10.2 ESTABLISHMENT PLAN: SUBMIT AN ESTABLISHMENT PLAN TO THE CITY FOR REVIEW AND COMMENT. SPECIFICALLY DESCRIBE THE METHODS, ACTIVITIES, MATERIALS AND SCHEDULE TO OPERATE AND MAINTAIN THE IRRIGATION SYSTEM. ACCEPTANCE OF THE ESTABLISHMENT PLAN IS NOT A RELEASE FROM RESPONSIBILITY OF ESTABLISHMENT REQUIREMENTS. PERFORM ANCILLARY ACTIVITIES THAT MAY BE REQUIRED TO OPERATE AND MAINTAIN THE IRRIGATION SYSTEM.

11 ESTABLISHMENT REQUIREMENTS.
DURING THE ESTABLISHMENT PERIOD, AT A MINIMUM:
A. OPERATE AND MAINTAIN THE IRRIGATION SYSTEM.
B. WATERING: MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4-INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HAND CLUMP.
C. ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS TO PREVENT OVERSPRAY.
D. CLEAN FILTERS AND SCREENS.
E. ADJUST RUN TIME.

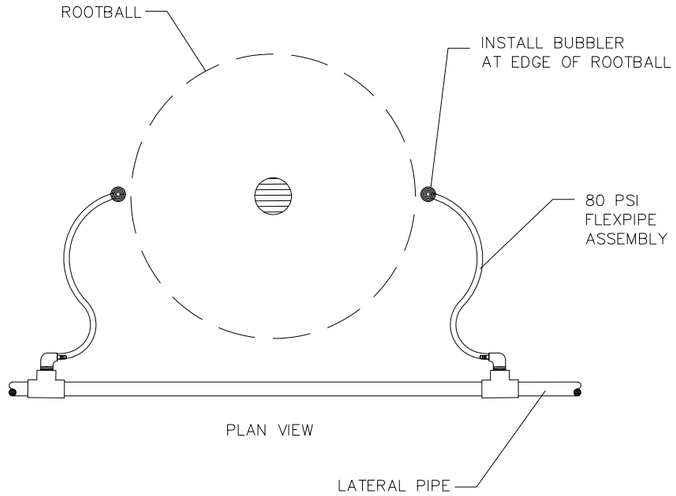
12 INSPECTION AND REPORTING REQUIREMENTS: DURING THE ESTABLISHMENT PERIOD, COORDINATE WITH THE CITY AND PERFORM MONTHLY INSPECTIONS. SUBMIT THE MONTHLY INSPECTION REPORT WITHIN SEVEN CALENDAR DAYS. INCLUDE IN THE MONTHLY INSPECTION REPORT AT A MINIMUM, THE FOLLOWING:
A. CONTRACT NUMBER, INSPECTION NUMBER, DATE AND LOCATION OF INSPECTION.
B. CONDITION AND OPERATION OF THE IRRIGATION SYSTEM.
C. SOIL MOISTURE LEVEL.
D. ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS.



IRRIGATION HEAD IN TURF AREAS



IRRIGATION HEAD ON RISER IN SHRUB AREAS



IRRIGATION BUBBLER

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LANDSCAPE ARCHITECT OF RECORD
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(FOR THE FIRM) DATE: 1/26/22
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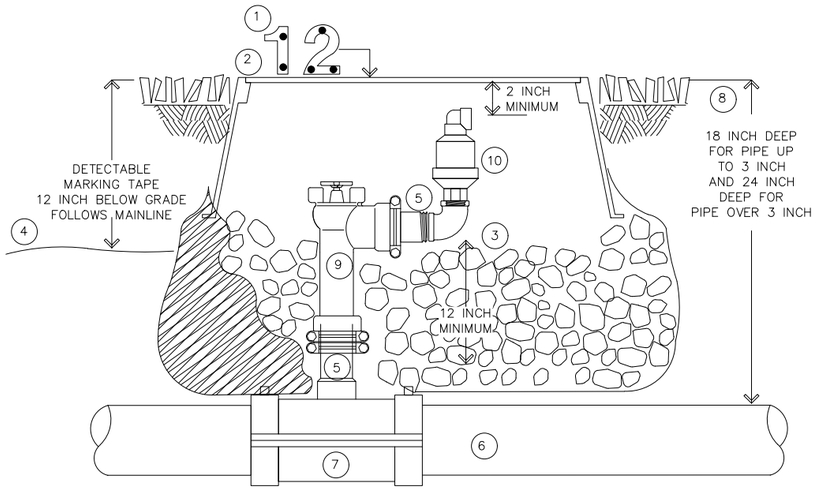
REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION DETAILS

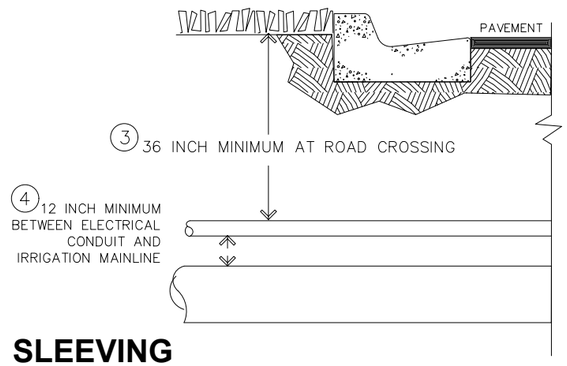
SHEET NO. IR-2



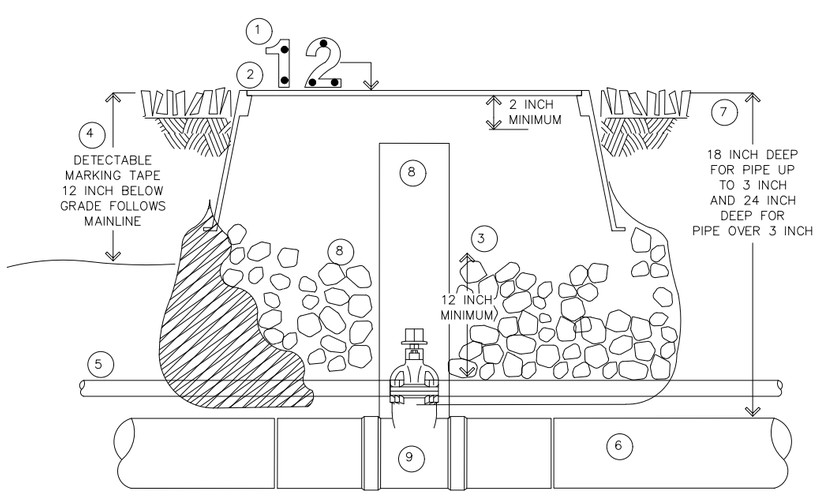
MAINLINE AIR/VACUUM RELEASE VALVE

1. ALUMINUM VALVE IDENTIFICATION NUMBER, SCREWED IN PLACE
2. VALVE BOX
3. VALVE SUMP: 12 INCHES DEEP FILLED WITH 57 GRAVEL AND WRAPPED IN FILTER FABRIC
4. DETECTABLE MARKING TAPE:
5. SCHEDULE 80 PVC THREADED NIPPLES/ELBOW INSTALL NO MALE ADAPTERS
6. MAINLINE PIPE
7. MAINLINE FITTINGS
8. PIPE DEPTH REQUIREMENTS
9. RIGHT ANGLE VALVE
10. AIR / VACUUM RELEASE VALVE

1. INSTALL SLEEVES UNDER ROADWAYS AND OTHER IMPERVIOUS AREAS
2. ROAD TRENCHING ONLY PERMITTED WITH WRITTEN APPROVAL. ROAD TRENCHING REQUIRES BACKFILLING WITH FLOWABLE FILL.

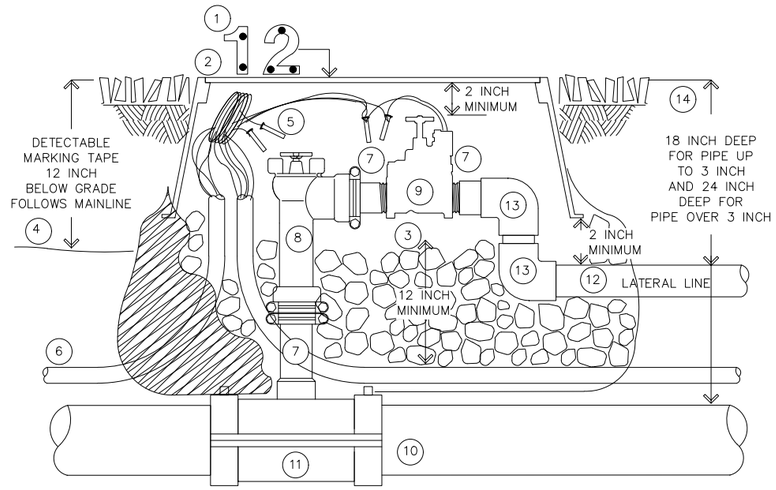


SLEEVING



MAINLINE ISOLATION VALVE

1. ALUMINUM VALVE IDENTIFICATION NUMBER, SCREWED IN PLACE
2. VALVE BOX
3. VALVE SUMP: 12 INCH DEEP FILLED WITH 57 GRAVEL AND WRAPPED IN FILTER FABRIC
4. DETECTABLE MARKING TAPE:
5. CONTROL WIRE CONDUIT
6. MAINLINE PIPE
7. PIPE DEPTH REQUIREMENTS
8. PVC ACCESS TUBE
9. ISOLATION VALVE



VALVE INSTALLATION

1. ALUMINUM VALVE IDENTIFICATION NUMBER, SCREWED IN PLACE
2. VALVE BOX
3. VALVE BOX SUPPORT: 57 GRAVEL AND WRAPPED IN FILTER FABRIC
4. DETECTABLE MARKING TAPE:
5. CONTROL WIRE:
   SOLID COPPER, TYPE UF-83 THHN/THWN WITH A 24 INCH SERVICE COIL AND DBY-6 WATERPROOF WIRE CONNECTORS
   ALL CONTROL WIRES ACCESSIBLE AT EVERY VALVE BOX
   INSTALL A DIFFERENT COLOR FOR EACH VALVE (DO NOT USE GREEN)
   INSTALL WHITE COLOR AS THE COMMON
   INSTALL BLUE COLORED SPARE WIRES WHERE NOTED ON PLANS
6. CONTROL WIRE CONDUIT
7. SCHEDULE 80 PVC THREADED NIPPLES
   INSTALL NO MALE ADAPTERS
8. RIGHT ANGLE GATE VALVE
9. ELECTRIC CONTROL VALVE
10. MAINLINE PIPE
11. MAINLINE SERVICE TEE
12. LATERAL LINE PIPE:
    PVC SCHEDULE 40, INSTALL LABELS FACING UP
13. LATERAL LINE FITTINGS:
14. PIPE DEPTH REQUIREMENTS

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE NTS
DESIGNED BY TM
DRAWN BY TM
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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22
CERTIFICATE OF AUTHORIZATION NO. 1337

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION DETAILS

SHEET NO. IR-3

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\IRRGLD01.DWG
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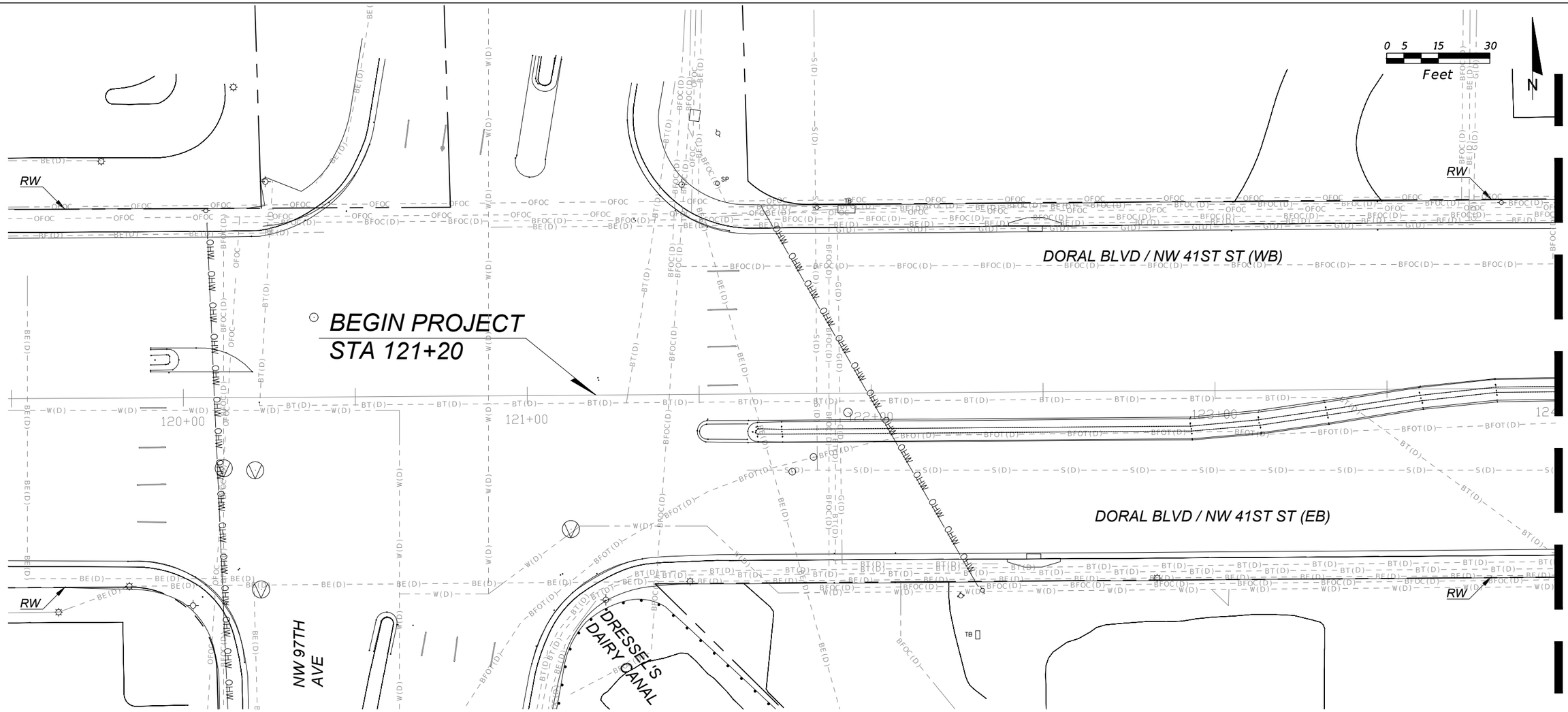

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-4

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\IRRGLD01.DWG

MATCHLINE - SEE STA 124+00 FOR CONTINUATION

DORAL BLVD / NW 41ST ST (WB)

0 5 15 30
Feet

N

RW

2"/4" HDPE

3/4" 1" 1" 1¼" 1¼"

1¼" 2"

3/4" 1" 1" 1¼"

DORAL BLVD / NW 41ST ST (EB)

RW

MATCHLINE - SEE STA 128+50 FOR CONTINUATION

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DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-5

10/29/2021 11:07 AM; Layout Tab: IR05; Pen Table: ---; Plot Created by: TODD MOHLER;

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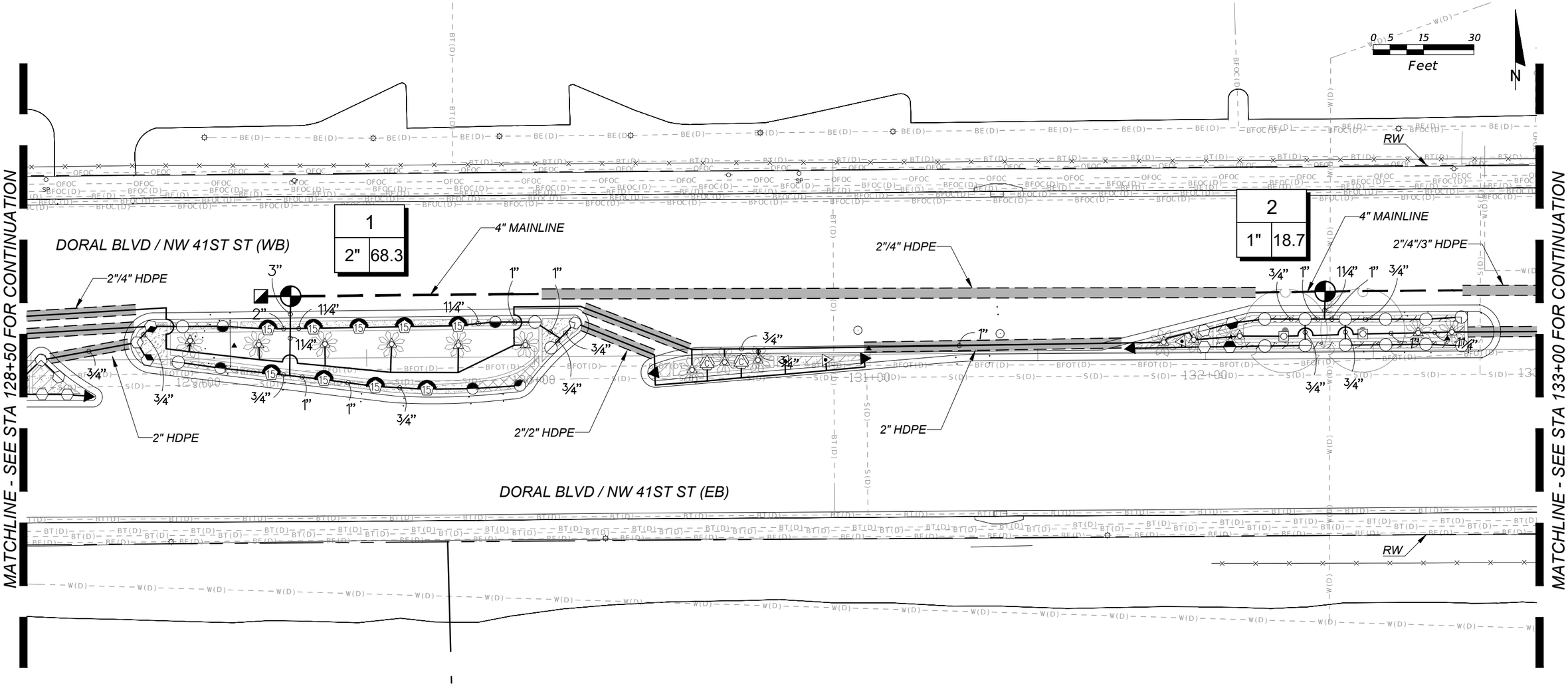

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-6

10/29/2021 11:07 AM; Layout Tab: IR06; Pen Table: ---; Plot Created by: TODD MOHLER;

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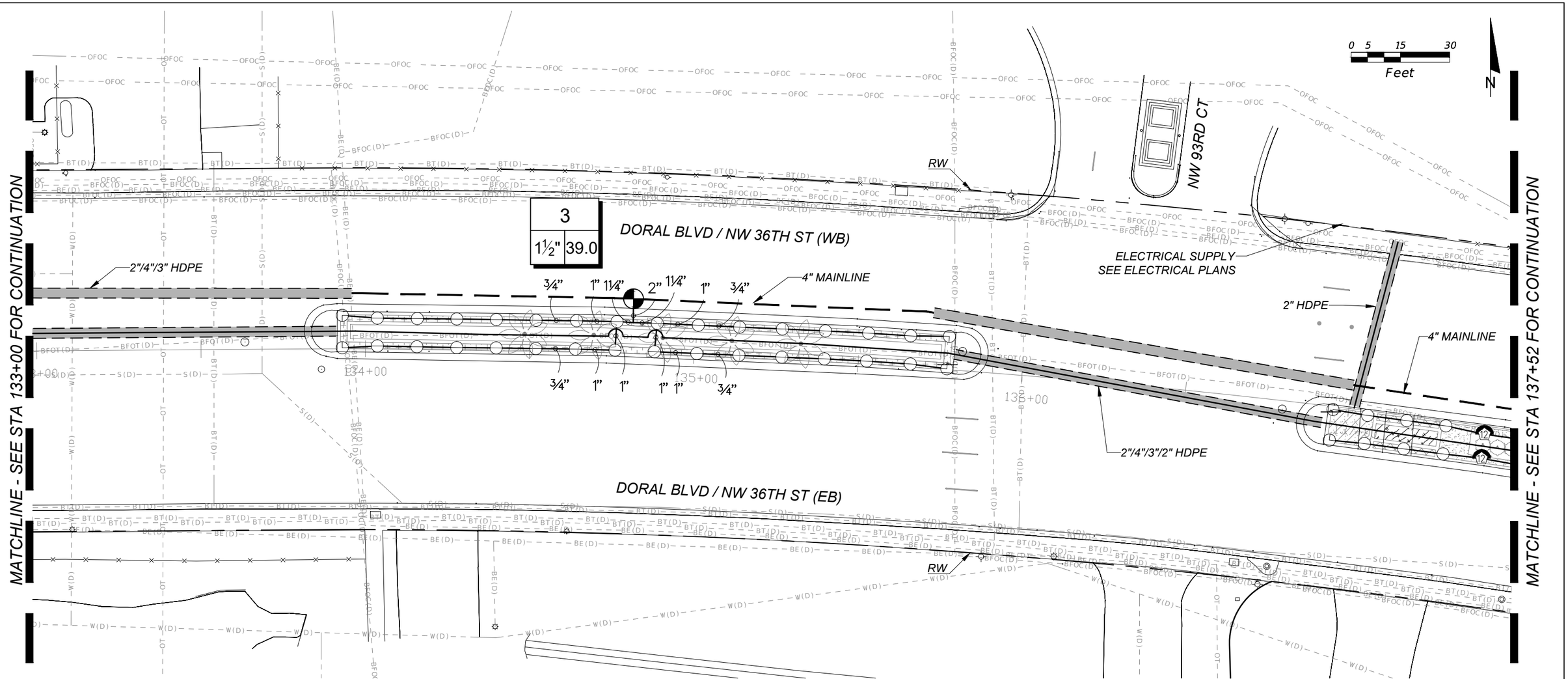

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-7

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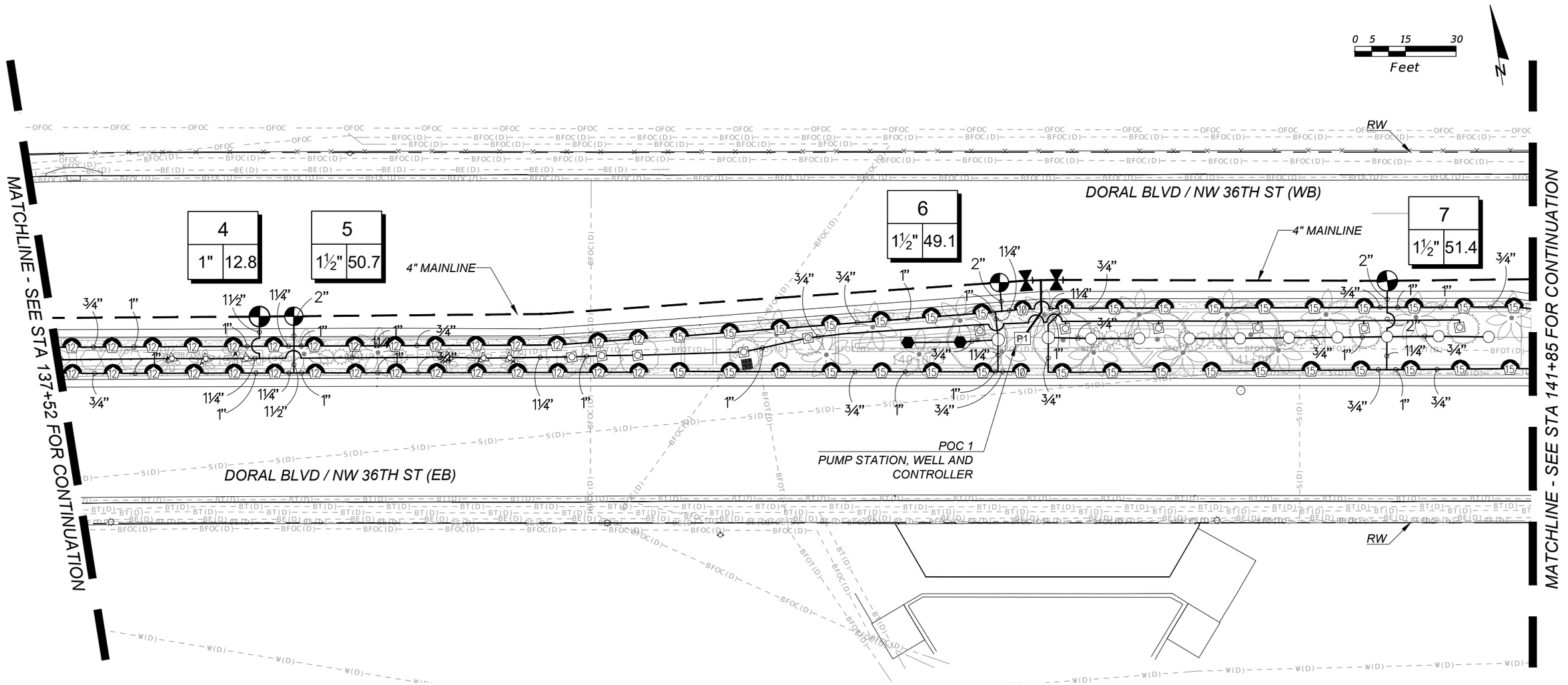

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-8

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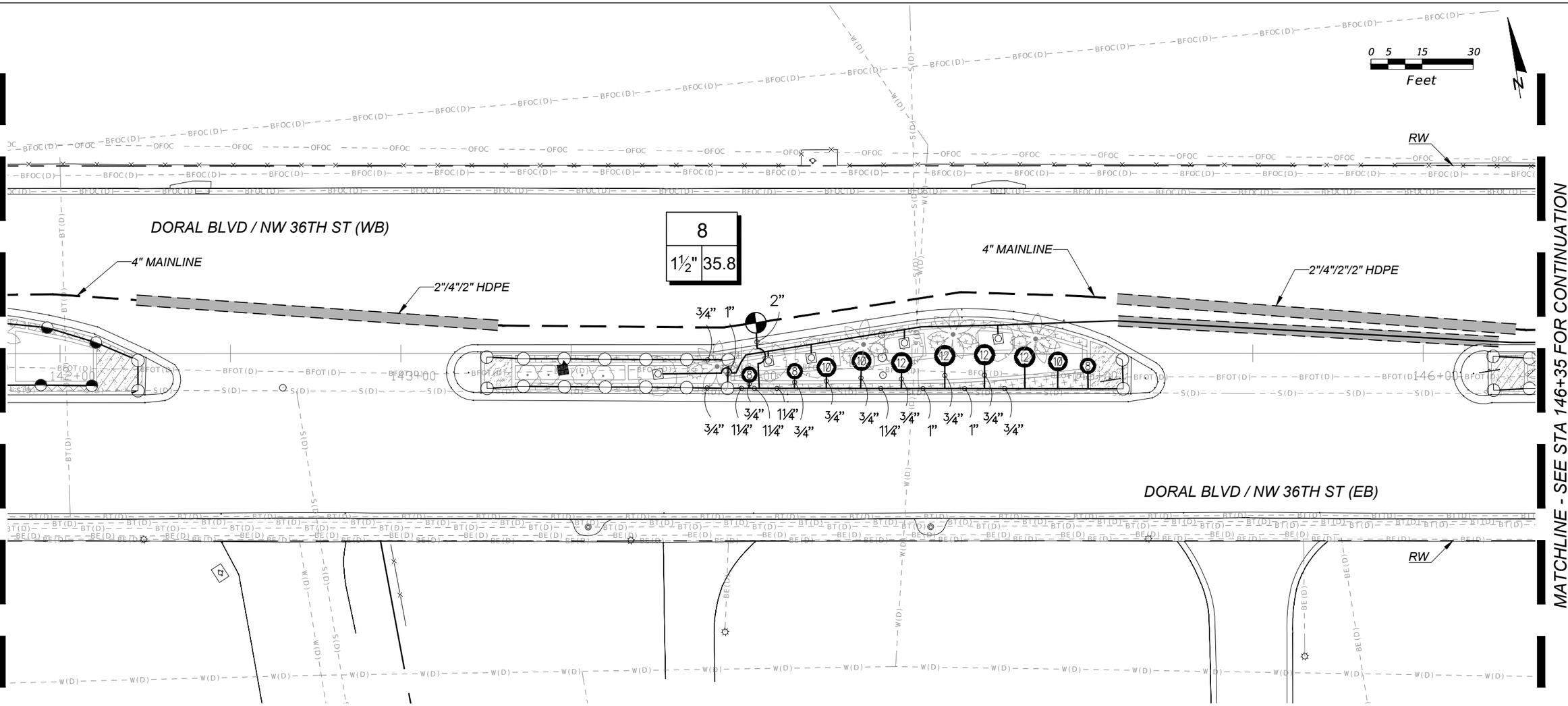

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-9

10/29/2021 11:08 AM; Layout Tab: IR09; Pen Table: ---; Plot Created by: TODD MOHLER;

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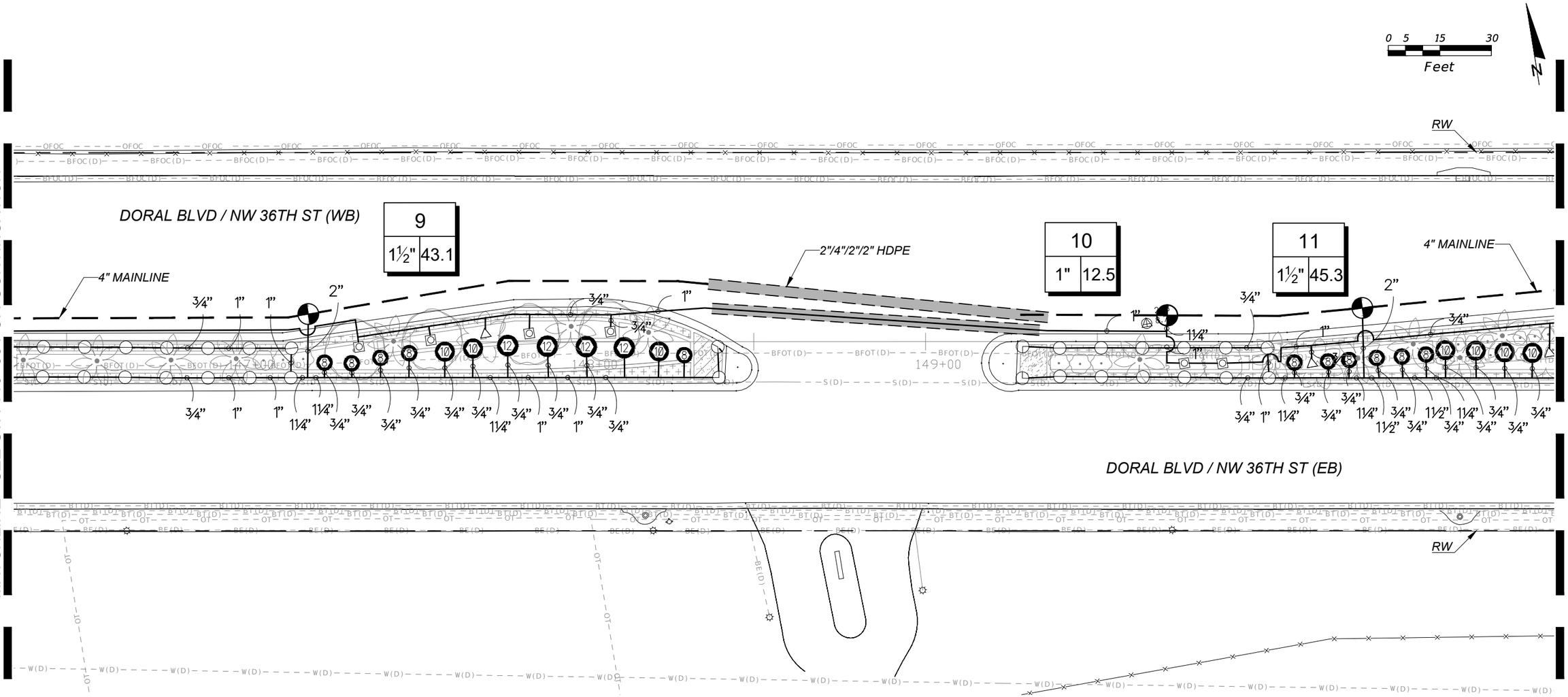

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-10

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\IRRGLD01.DWG

0 5 15 30
Feet

N

RW

DORAL BLVD / NW 36TH ST (WB)

12
1" 23.4

4" MAINLINE

2"/4"/2"/2" HDPE

2"/4"/2" HDPE

4" MAINLINE

¾" 1" 1½" ¾"
1"

¾" 1¼" ¾" 1" 1" ¾" ¾"

¾" ¾"

152+00 153+00 154+00 155+00

DORAL BLVD / NW 36TH ST (EB)

RW

MATCHLINE - SEE STA 150+85 FOR CONTINUATION

MATCHLINE - SEE STA 155+35 FOR CONTINUATION

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REVISIONS			
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PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD:
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO.
IR-11

10/29/2021 11:08 AM; Layout Tab: IR11; Pen Table: ----; Plot Created by: TODD MOHLER;

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MATCHLINE - SEE STA 155+35 FOR CONTINUATION

MATCHLINE - SEE STA 159+85 FOR CONTINUATION

0 5 15 30
Feet

N

RW

DORAL BLVD / NW 36TH ST (WB)

13
2" 69.4

4" MAINLINE

2"/4"/2"/2" HDPE

4" MAINLINE

DORAL BLVD / NW 36TH ST (EB)

RW

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO.
IR-12

10/29/2021 11:08 AM; Layout Tab: IR12; Pen Table: ----; Plot Created by: TODD MOHLER.

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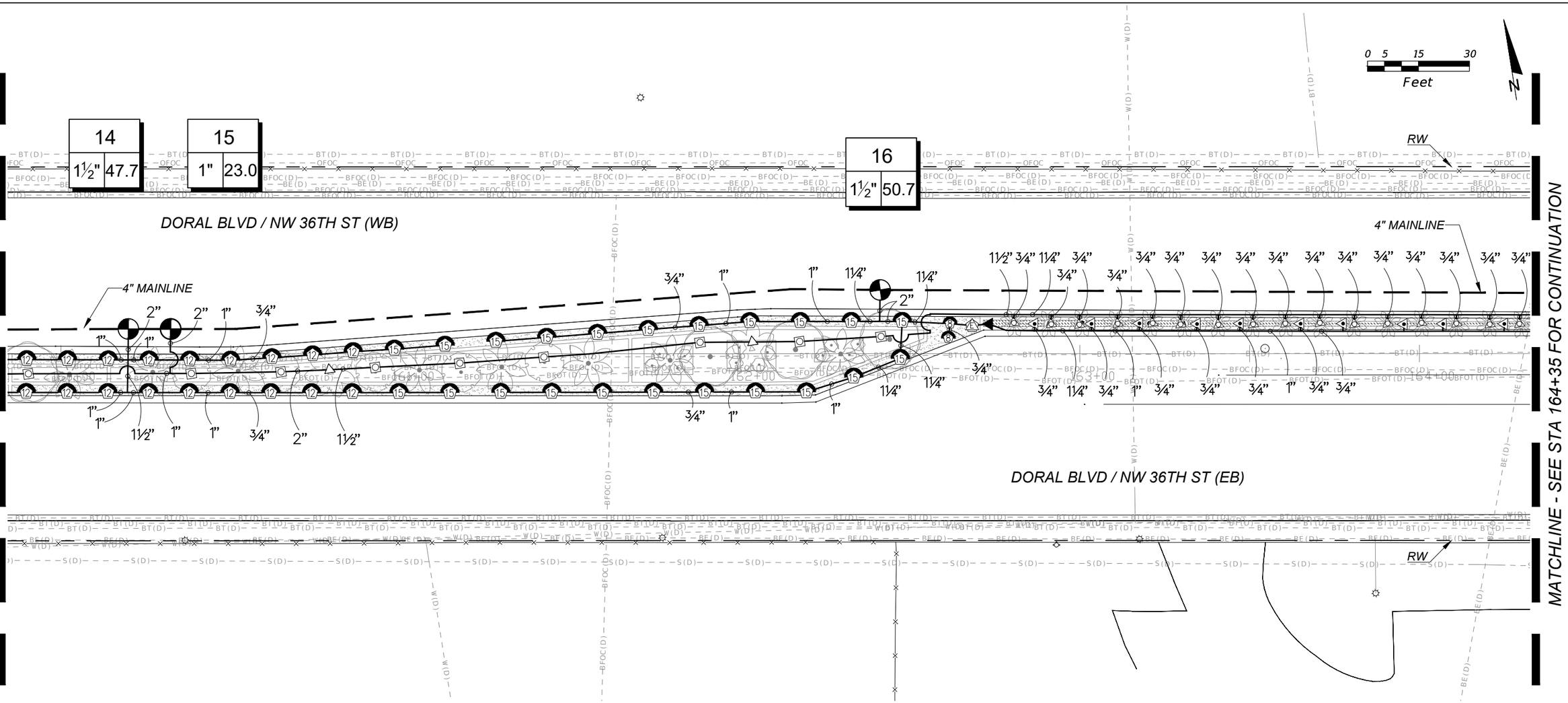

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-13

10/29/2021 11:08 AM; Layout Tab: IR13; Pen Table: ----; Plot Created by: TODD MOHLER.

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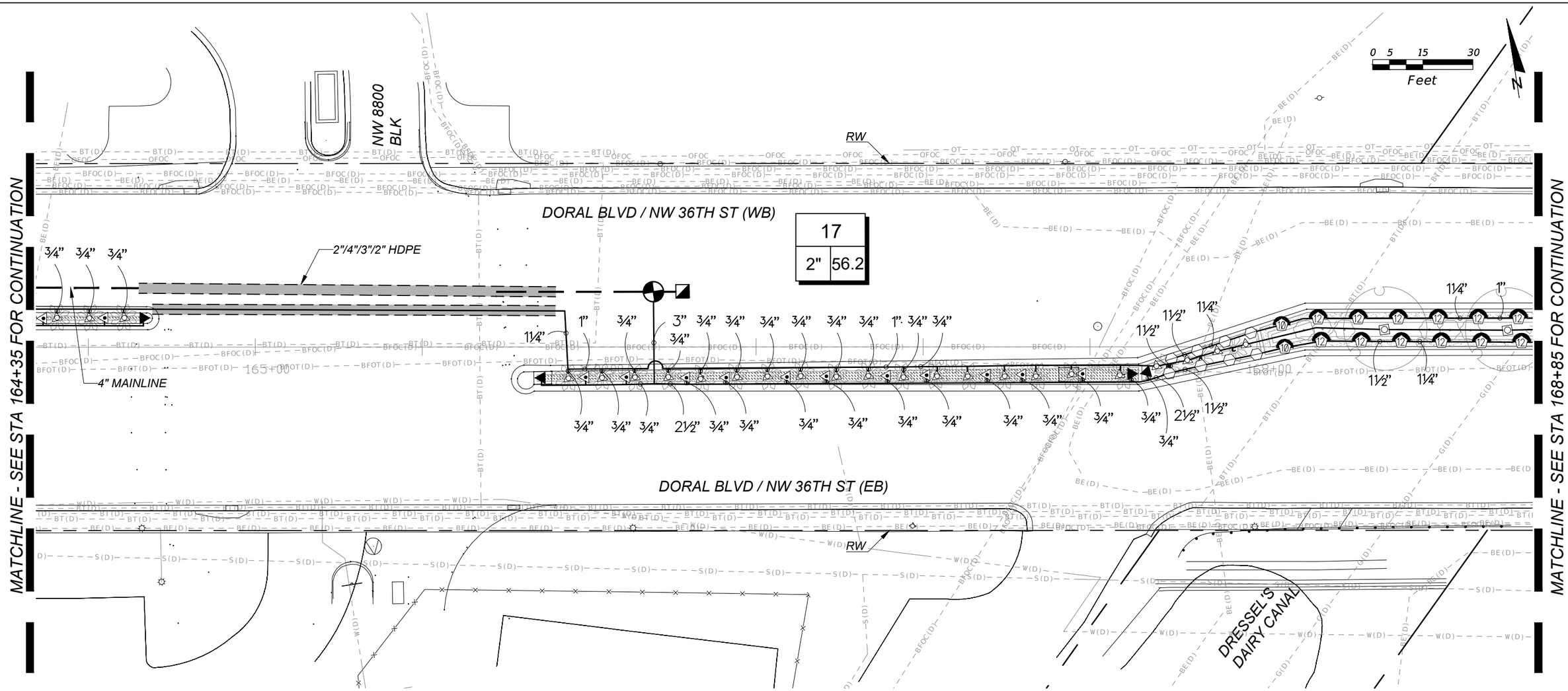

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-14

10/29/2021 11:08 AM; Layout Tab: IR14; Pen Table: ---; Plot Created by: TODD MOHLER;

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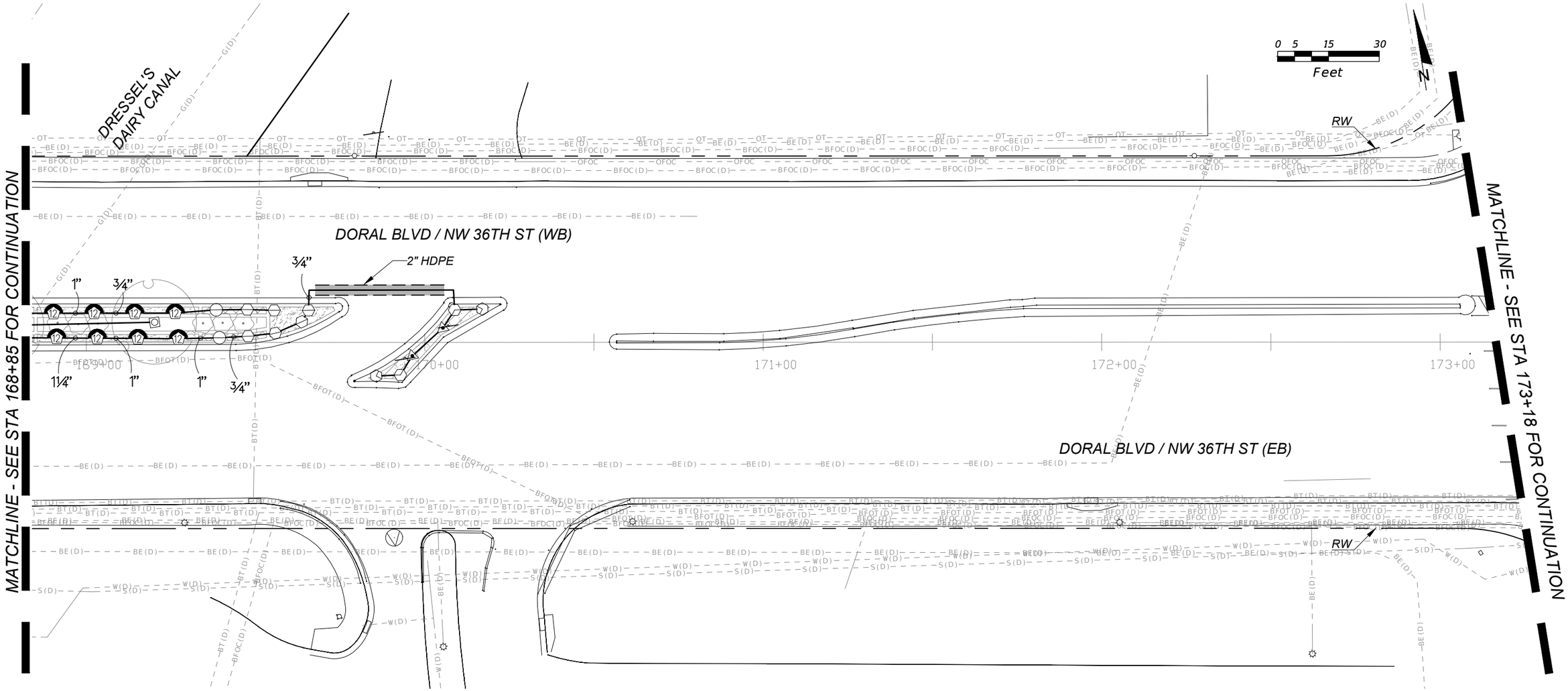

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REVISIONS			
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(FOR THE FIRM) DATE: 1/26/22

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TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-15

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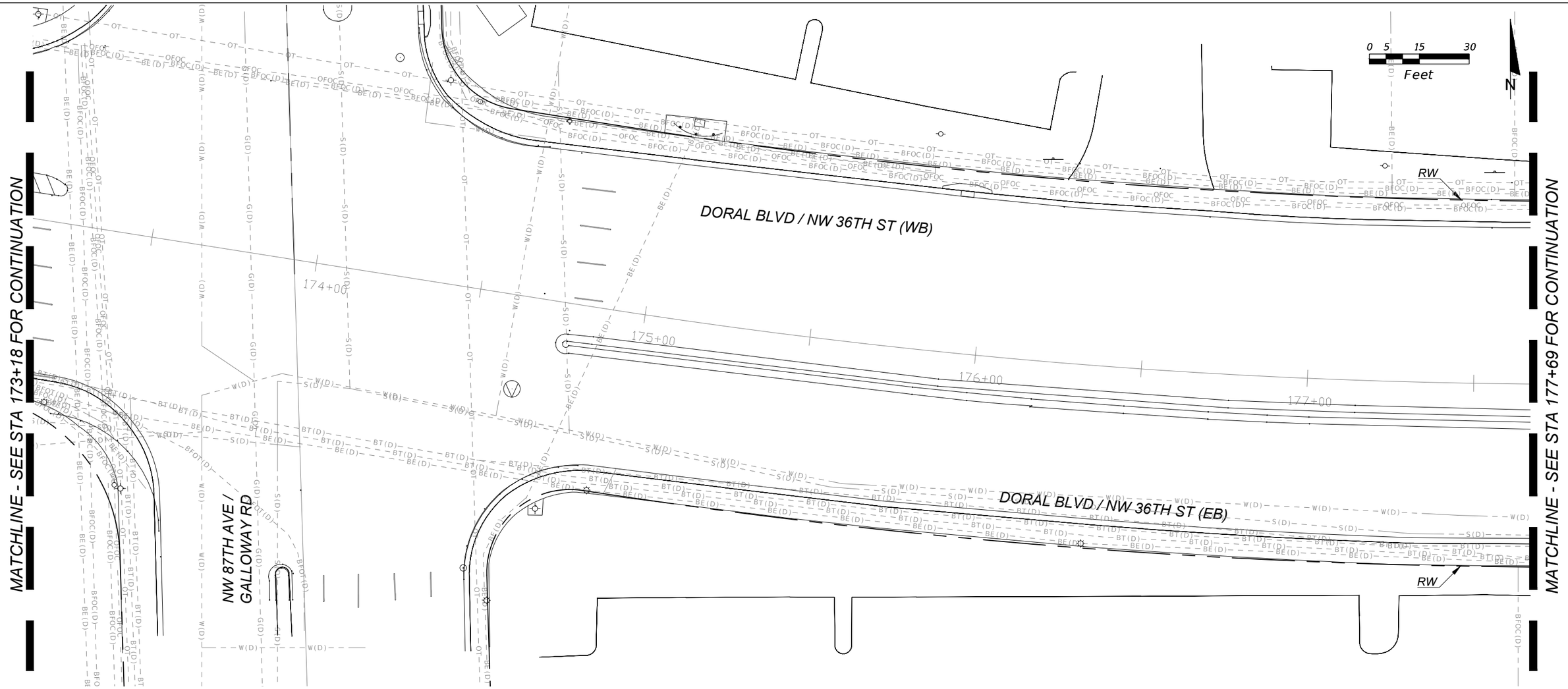

NOTE TO REVIEWER:
NO IRRIGATION THIS SHEET

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-16

10/29/2021 11:08 AM; Layout Tab: IR16; Pen Table: ---; Plot Created by: TODD MOHLER;

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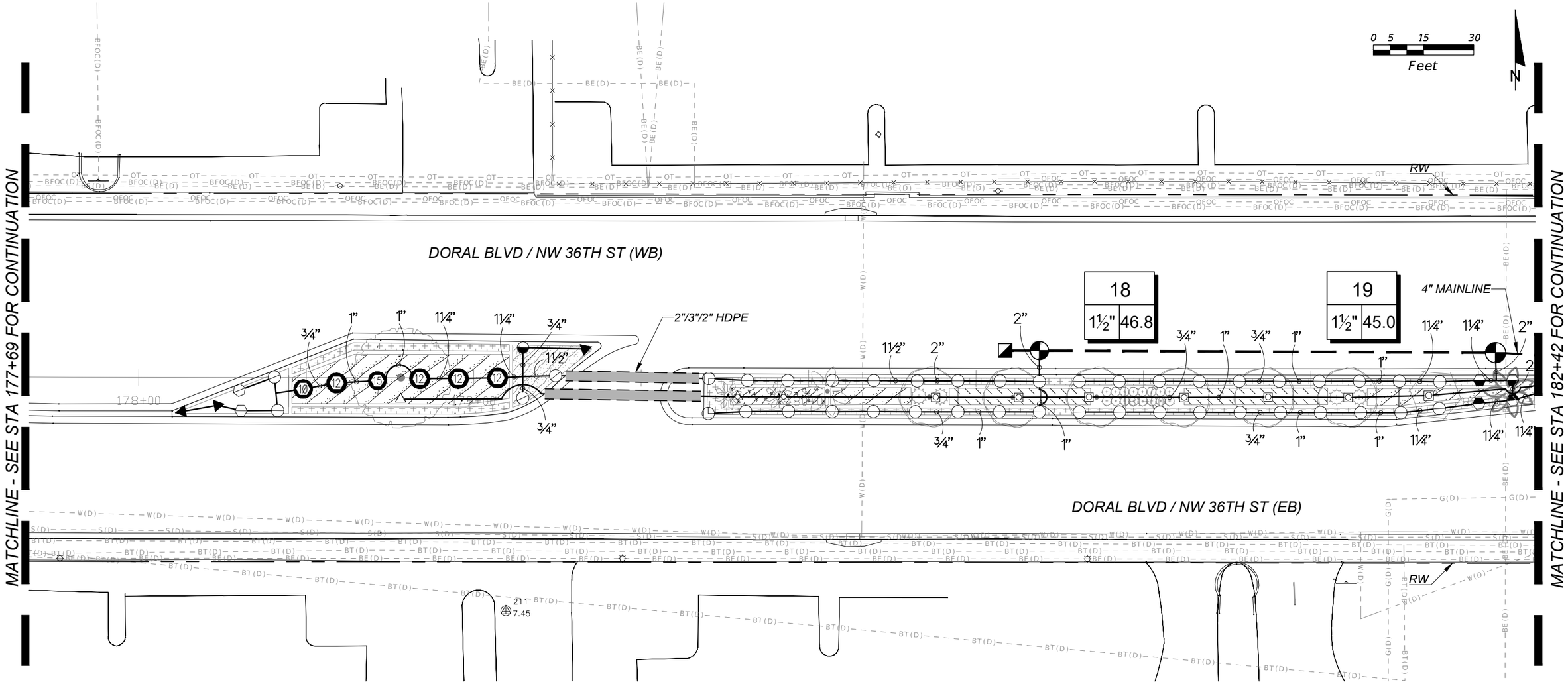

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
SCALE 1" = 30'
DESIGNED BY TM
DRAWN BY TM
CHECKED BY KH

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CERTIFICATE OF AUTHORIZATION NO. 4898

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-17

10/29/2021 11:08 AM; Layout Tab: IR17; Pen Table: ----; Plot Created by: TODD MOHLER

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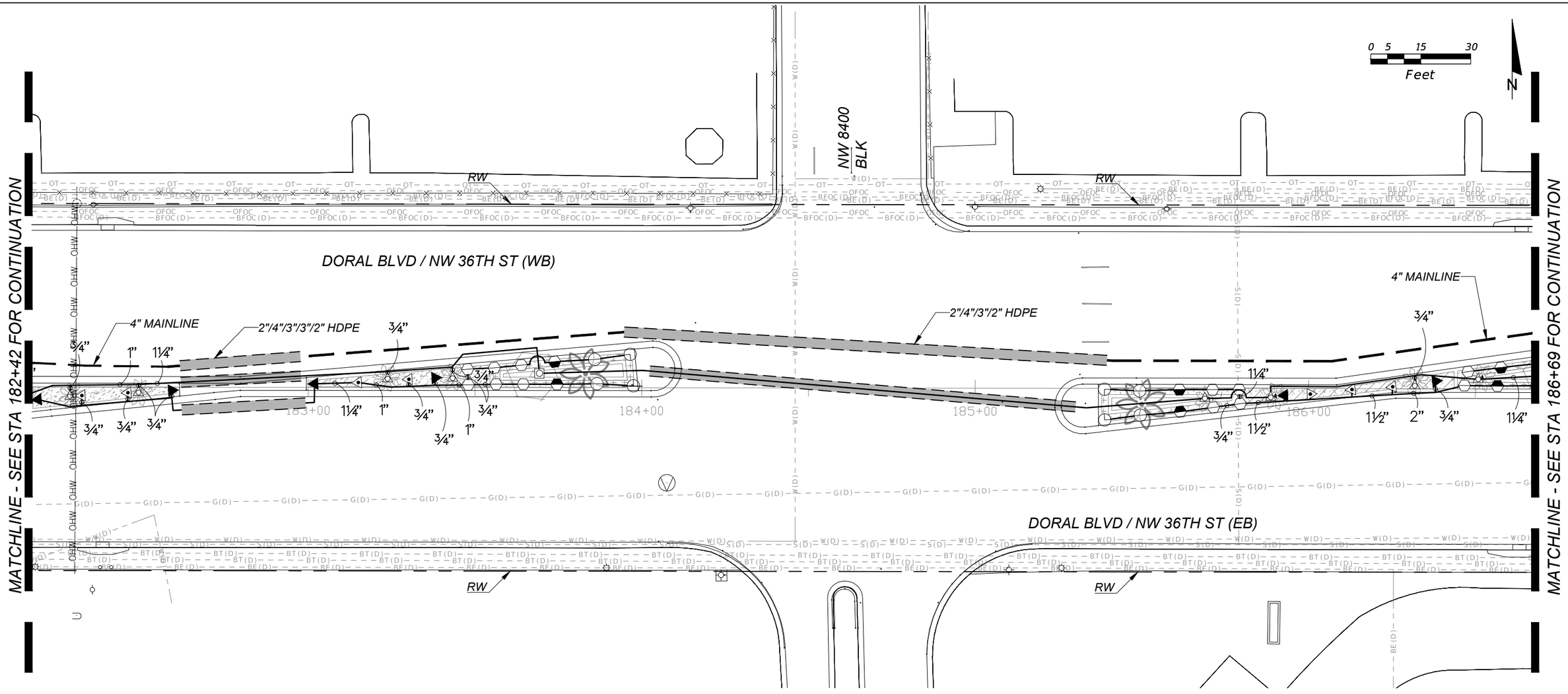

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-18

10/29/2021 11:08 AM; Layout Tab: IR18; Pen Table: ----; Plot Created by: TODD MOHLER.

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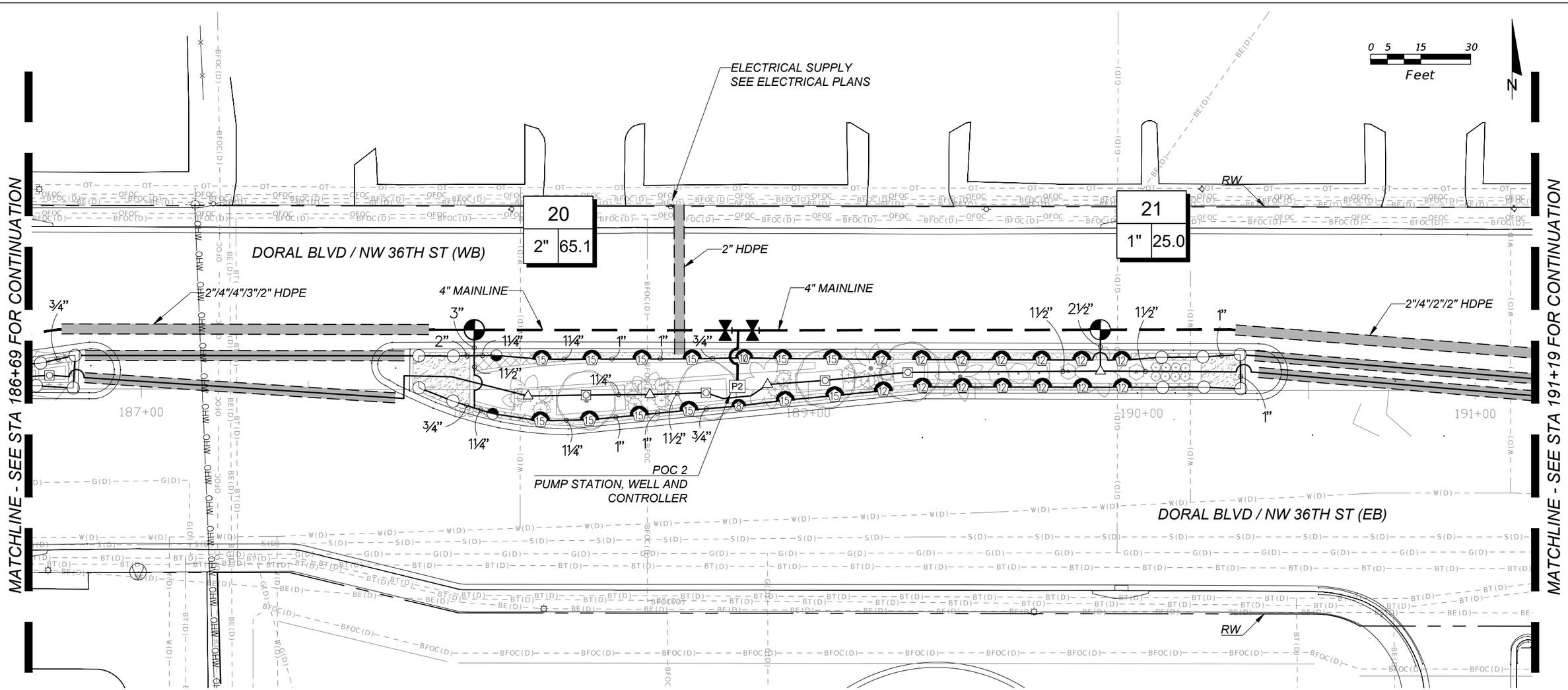

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-19

10/29/2021 11:09 AM; Layout Tab: IR19; Pen Table: ----; Plot Created by: TODD MOHLER;

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0 5 15 30
Feet

N

MATCHLINE - SEE STA 191+19 FOR CONTINUATION

DORAL BLVD / NW 36TH ST (WB)

22
2" 65.6

RW

2"/4"/4"/4"/2 HDPE

4" MAINLINE

1½" 2" 2" 3" 1½" 1¼" 1¼" 1" ¾" ¾" ¾" 1" ¾" ¾"

1½" ¾" 1½" 1" 1¼" 1" ¾" ¾" ¾"

2"/4"/3"/2" HDPE

4" MAINLINE

¾" 1"

1¼" ¾" 1"

MATCHLINE - SEE STA 195+69 FOR CONTINUATION

DORAL BLVD / NW 36TH ST (EB)

RW

NW 83RD AVE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09/23/21
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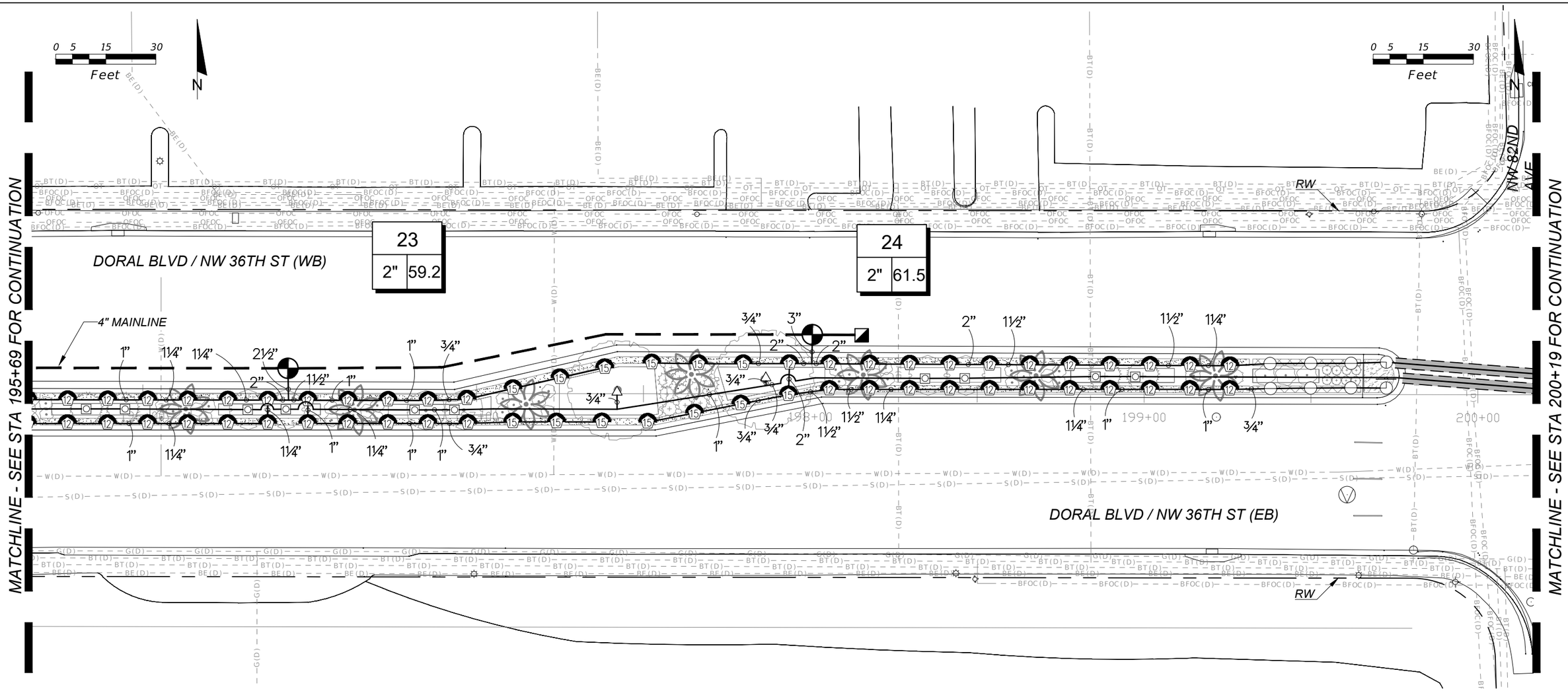
LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-20



PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT
TODD KEENE MOHLER
LA 0001594
STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO.
IR-21

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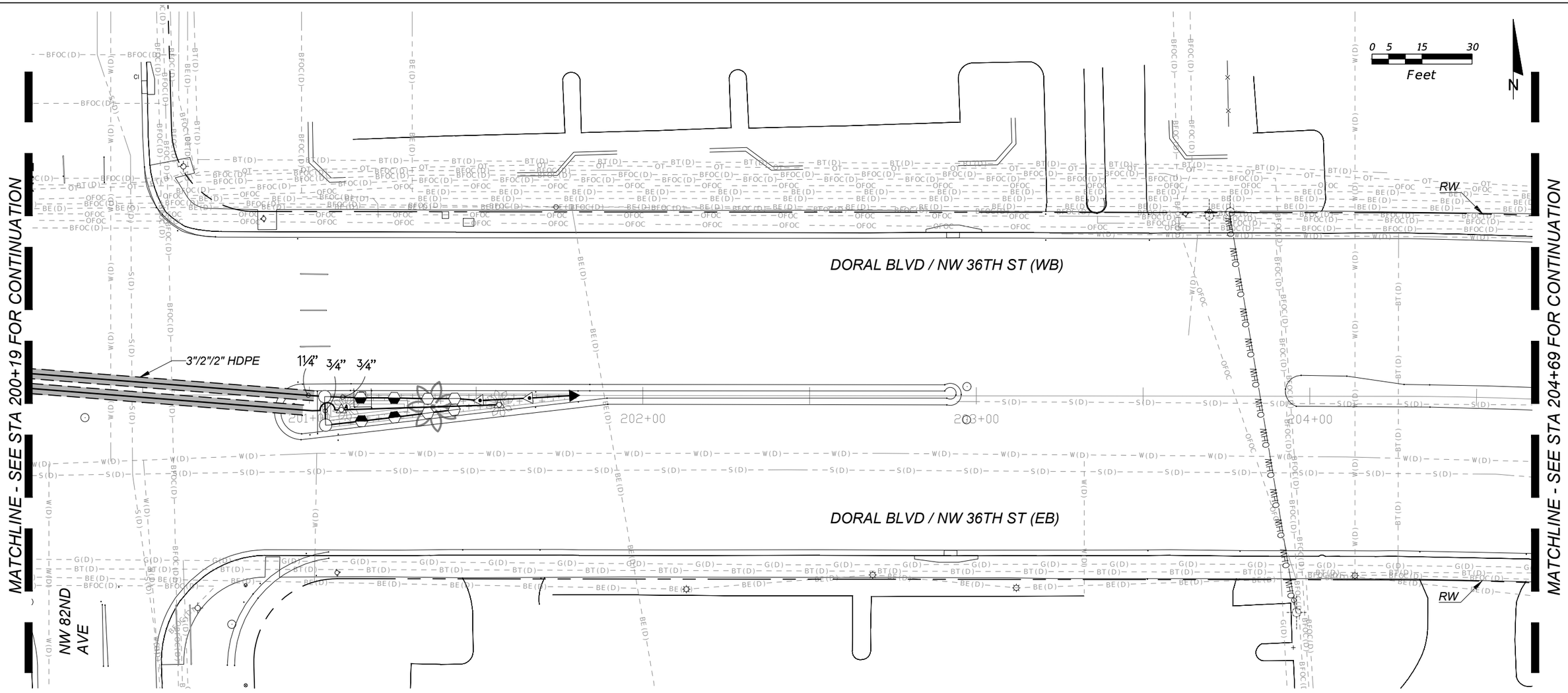

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REVISIONS			
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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-22

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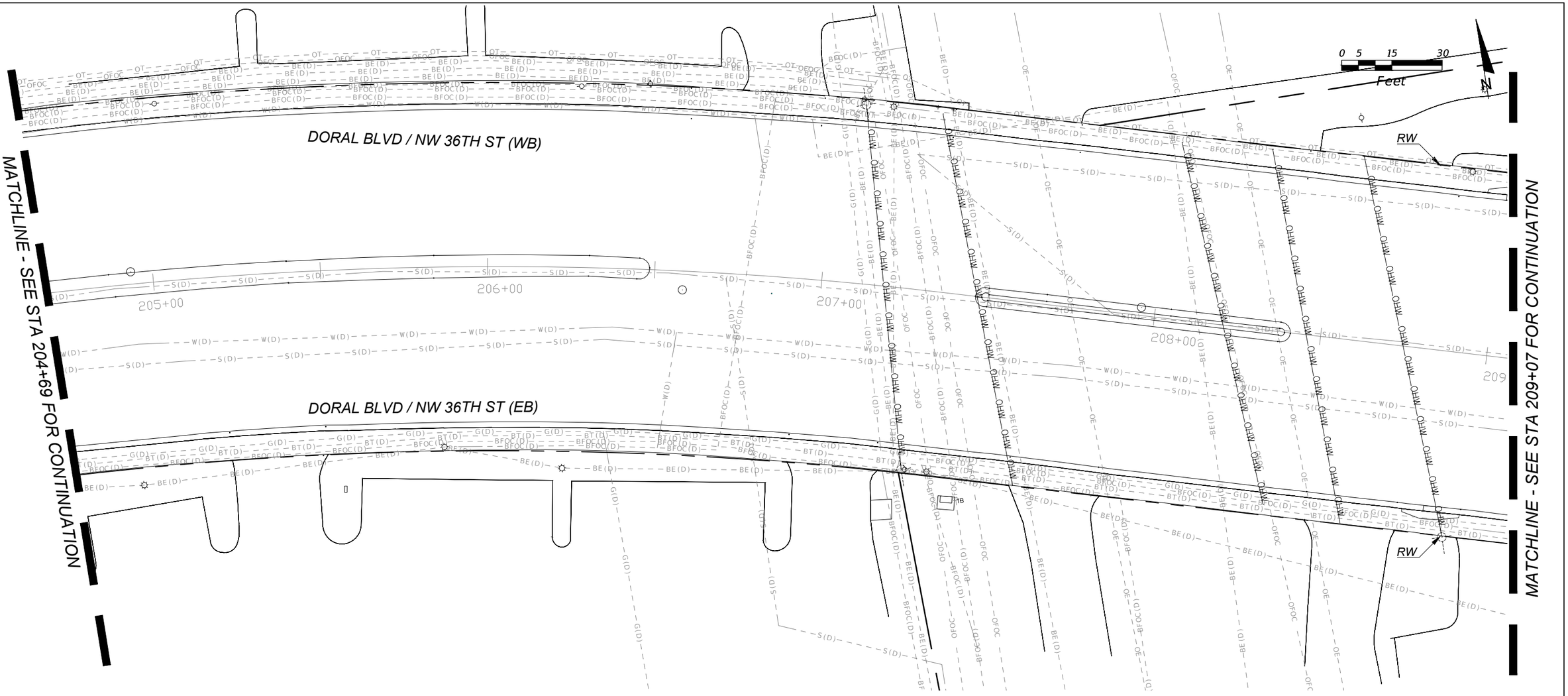

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-23

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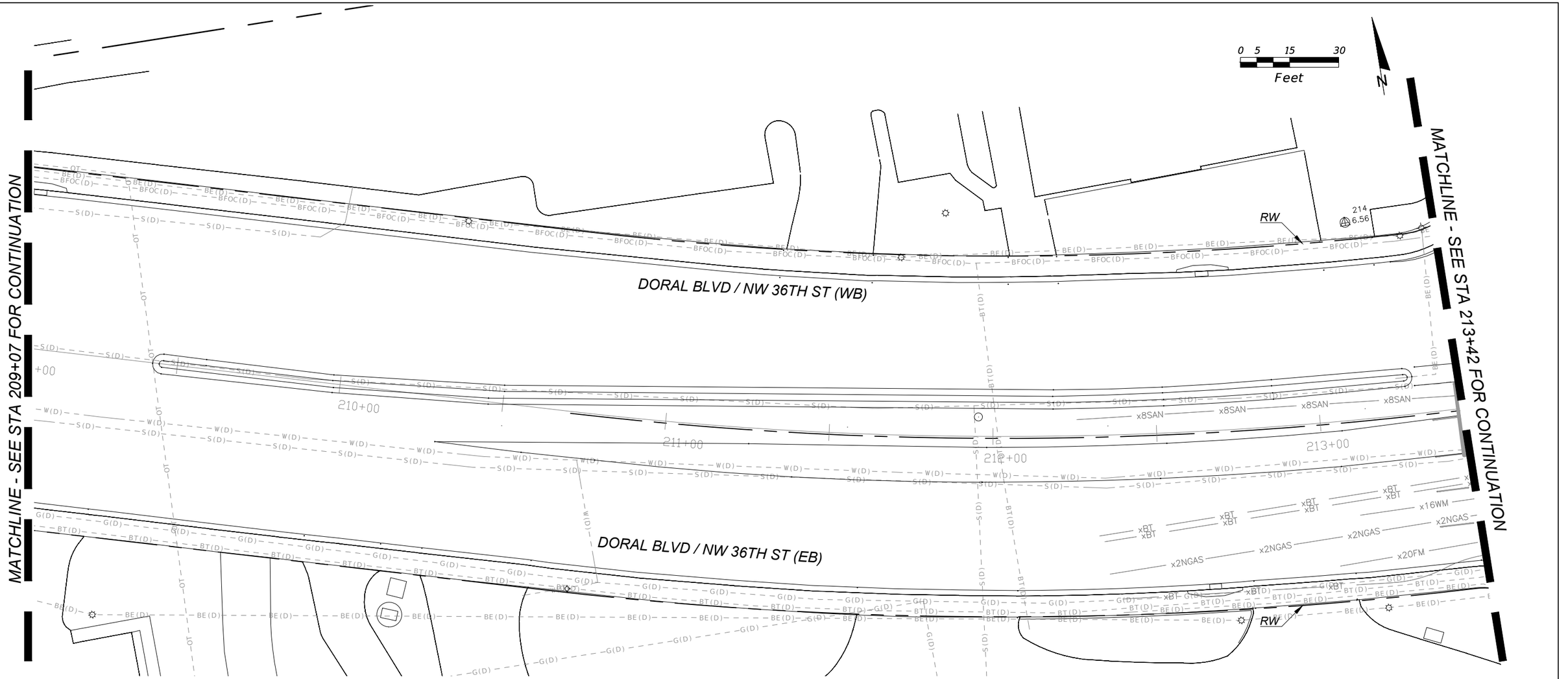

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TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-24

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\300%\IRRGLD01.DWG

DORAL BLVD / NW 36TH ST (WB)

DORAL BLVD / NW 36TH ST (EB)

MATCHLINE - SEE STA 213+42 FOR CONTINUATION

MATCHLINE - SEE STA 217+93 FOR CONTINUATION

NW 79TH AVE

NW 38TH STREET

RW

214+00 215+00 216+00 217+00

0 5 15 30
Feet

N

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CERTIFICATE OF AUTHORIZATION NO. 4998

LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
LA0001594
(FOR THE FIRM) DATE: 1/26/22

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
IRRIGATION PLAN

SHEET NO. IR-25

10/29/2021 11:09 AM: Layout Tab: IR25; Pen Table: ----; Plot Created by: TODD MOHLER;

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10/29/2021 11:09 AM; Layout Tab: IR26; Pen Table: ---; Plot Created by: TODD MOHLER;

MATCHLINE - SEE STA 222+43 FOR CONTINUATION

2" MAINLINE

VALVES FOR FUTURE CITY PROJECT. PROVIDE 4 FT OF 1.5 INCH LATERAL LINE DOWNSTREAM OF EACH VALVE, CAPPED

4 CONTROL WIRES IN 1 INCH CONDUIT FROM PROPOSED VALVES TO PULL BOX AT BORE END. SEE ELECTRICAL PLANS. COMBINE WITH OTHER CONTROL WIRES AT PULL BOX.

28	29
1" -	1" -

EXISTING PVC MAINLINE

2"/2" HDPE

FUTURE CITY MONUMENT GATEWAY SIGN, TYP.

20 CONTROL WIRES IN 2 INCH CONDUIT FROM NORTH SIDE OF ROAD TO NEW CONTROLLER AT PUMP STATION. TRANSITION FROM PVC TO HDPE IN PULL BOXES ON EACH END OF BORE.

NOTE: ALL EXISTING IRRIGATION EQUIPMENT NOTED ON THIS SHEET WAS INSTALLED AS PART OF AN FDOT PROJECT IN 2012 (FPID 249650-2-52-01)

DORAL BLVD / NW 36TH ST (WB)

DORAL BLVD / NW 36TH ST (EB)

218+00

RW

N

0 5 15 30

Feet

MATCHLINE - SEE STA 217+93 FOR CONTINUATION

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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DATE 09/23/21
SCALE 1" = 30'
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DRAWN BY TM
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22
CERTIFICATE OF AUTHORIZATION NO. 1337

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-26

Z:\PROJECTS\18193.00 CITY OF DORAL\05_DORAL BLVD - 97TH TO PALMETTO\LA\CAD\100%\IRRGLD01.DWG
10/29/2021 11:09 AM; Layout Tab: IR27; Pen Table: ---; Plot Created by: TODD MOHLER;

MATCHLINE - SEE STA 222+43 FOR CONTINUATION

SR 826 OFFRAMP (SB)

EXISTING VALVE TO REMAIN - SUPPLIES WATER TO MEDIAN TO EAST

EXISTING VALVE TO REMAIN - ALL LATERALS AND HEADS REPLACED

EXIST. IRRIGATION WATER METER AND BACKFLOW. CUT AND CAP BOTH SIDES OF EXIST. MAINLINE IMMEDIATELY DOWNSTREAM OF BACKFLOW DEVICE PRESERVING CONTIGUOUS MAINLINE BETWEEN ALL VALVES.

REMOVE EXISTING IRRIGATION CONTROLLER. RETURN TO CITY.

16 CONTROL WIRES IN 2 INCH CONDUIT FROM EXIST. PULL BOX AT EXIST. CONTROLLER TO NEW CONTROLLER AT PUMP STATION

20 CONTROL WIRES IN 2 INCH CONDUIT FROM NORTH SIDE OF ROAD TO NEW CONTROLLER AT PUMP STATION. TRANSITION FROM PVC TO HDPE IN PULL BOXES ON EACH END OF BORE.

RW

4 CONTROL WIRES IN 1 INCH CONDUIT FROM PROPOSED VALVES TO PULL BOX AT BORE END. SEE ELECTRICAL PLANS. COMBINE WITH OTHER CONTROL WIRES AT PULL BOX.

N

0 5 15 30

Feet

97 OFFRAMP (SB)

EXISTING PVC MAINLINE

EXTEND EXISTING MAINLINE ADJACENT TO EXIST. VALVES TO INSTALL NEW VALVE.

CONNECT TO EXIST. 3 INCH PVC MAINLINE

2" PVC MAINLINE

2"/2" HDPE

25	
1½"	7.00

26	
2"	45.4

27	
1"	4.00

2"/2" HDPE

5 CONTROL WIRES IN 1 INCH CONDUIT FROM PROPOSED VALVE IN MEDIAN TO NEW CONTROLLER AT PUMP STATION

SR 826 ONRAMP (NB)

SR 826 ONRAMP (SB)

CONNECT TO EXIST. 3 INCH PVC MAINLINE

3" PVC MAINLINE

CONNECT TO EXIST. 3 INCH PVC MAINLINE

20 CONTROL WIRES IN 2 INCH CONDUIT FROM NORTH SIDE OF ROAD TO NEW CONTROLLER AT PUMP STATION

NOTE: ALL EXISTING IRRIGATION EQUIPMENT NOTED ON THIS SHEET WAS INSTALLED AS PART OF AN FDOT PROJECT IN 2012 (FPID 249650-2-52-01)

30	
1"	-

31	
1"	-

4" PVC MAINLINE

VALVES FOR FUTURE CITY PROJECT. PROVIDE 4 FT OF 1.5 INCH LATERAL LINE DOWNSTREAM OF EACH VALVE, CAPPED

3 CONTROL WIRES IN 1 INCH CONDUIT FROM THIS VALVE TO NEW CONTROLLER AT PUMP STATION

POC 3
PUMP STATION, WELL AND CONTROLLER

RW

MATCHLINE - SEE STA 217+93 FOR CONTINUATION

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DRAWN BY TM
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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22
CERTIFICATE OF AUTHORIZATION NO. 1337

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-27

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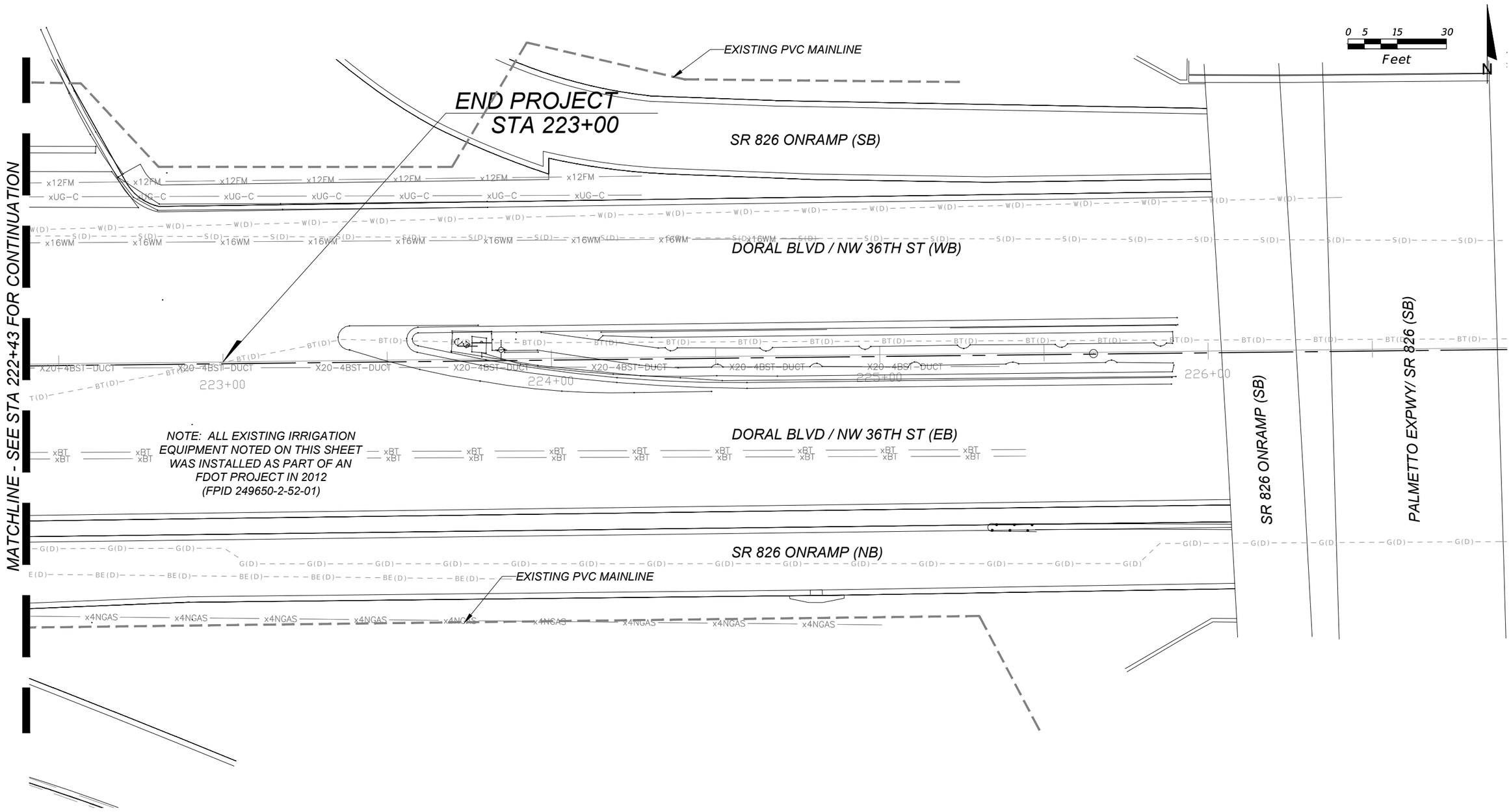

NOTE: ALL EXISTING IRRIGATION EQUIPMENT NOTED ON THIS SHEET WAS INSTALLED AS PART OF AN FDOT PROJECT IN 2012 (FPID 249650-2-52-01)

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LANDSCAPE ARCHITECT OF RECORD
TODD MOHLER
0001594
(FOR THE FIRM) DATE: 1/26/22
CERTIFICATE OF AUTHORIZATION NO. 1337

REGISTERED LANDSCAPE ARCHITECT TODD KEENE MOHLER LA 0001594 STATE OF FLORIDA

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

IRRIGATION PLAN

SHEET NO. IR-28

10/29/2021 11:09 AM; Layout Tab: IR28; Pen Table: ----; Plot Created by: TODD MOHLER;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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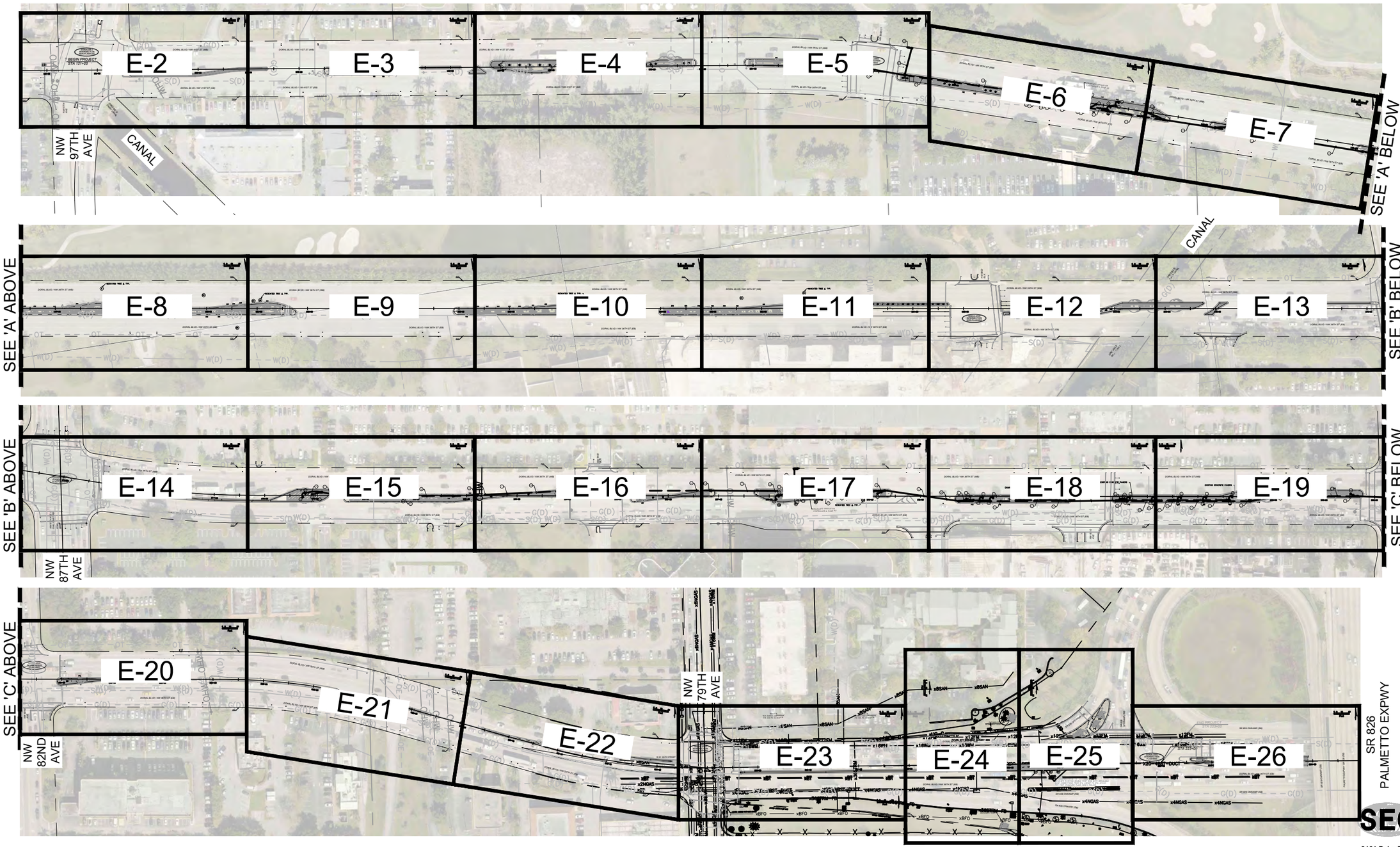

KEY PLAN
NTS

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE NTS
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

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CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/02/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

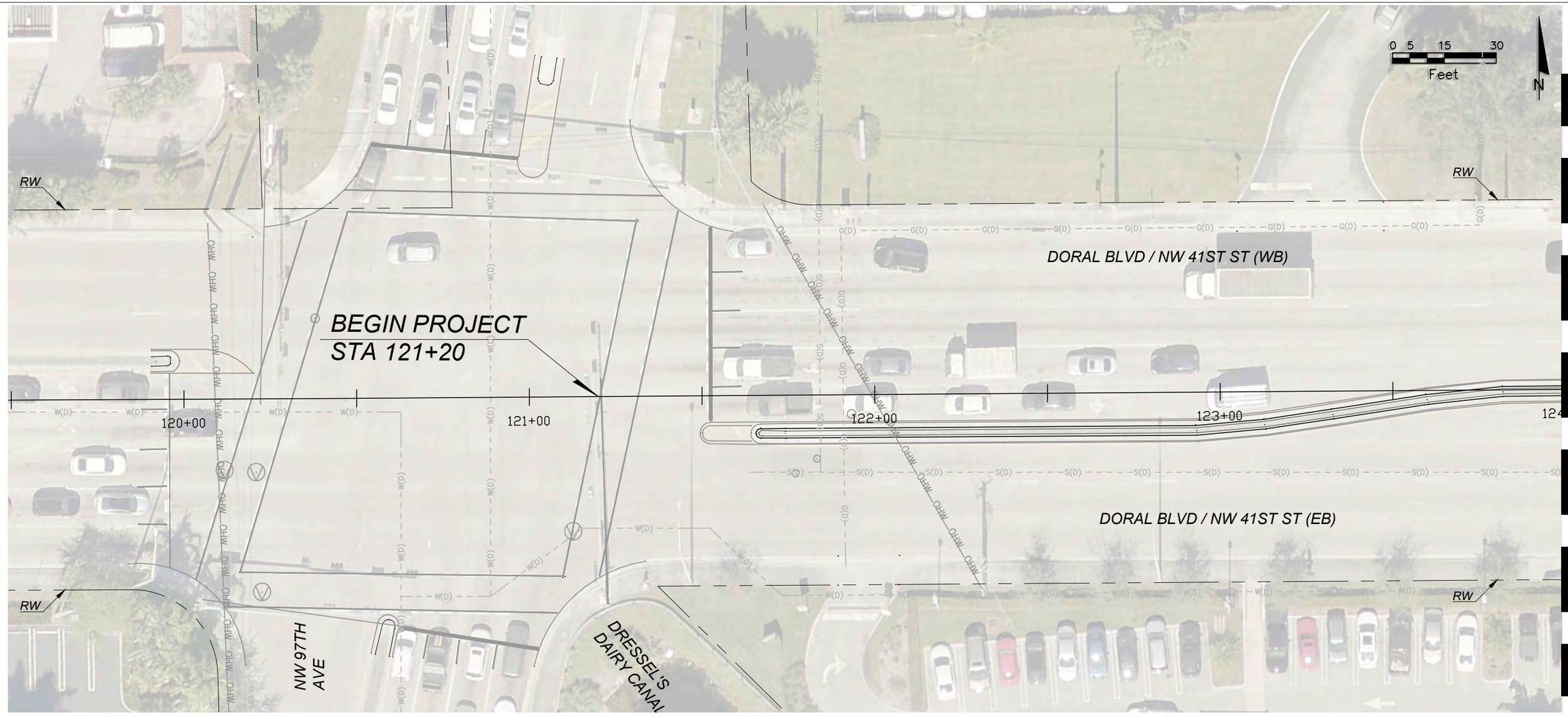
SEC Smith Engineering Consultants,Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

ELECTRICAL SHEET LAYOUT

SHEET NO. E-1

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:16 PM; Layout Tab: E-2; Pen Table: ----; Plot Created by: STEVE HOCKMAN;



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E–32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E–32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

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954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

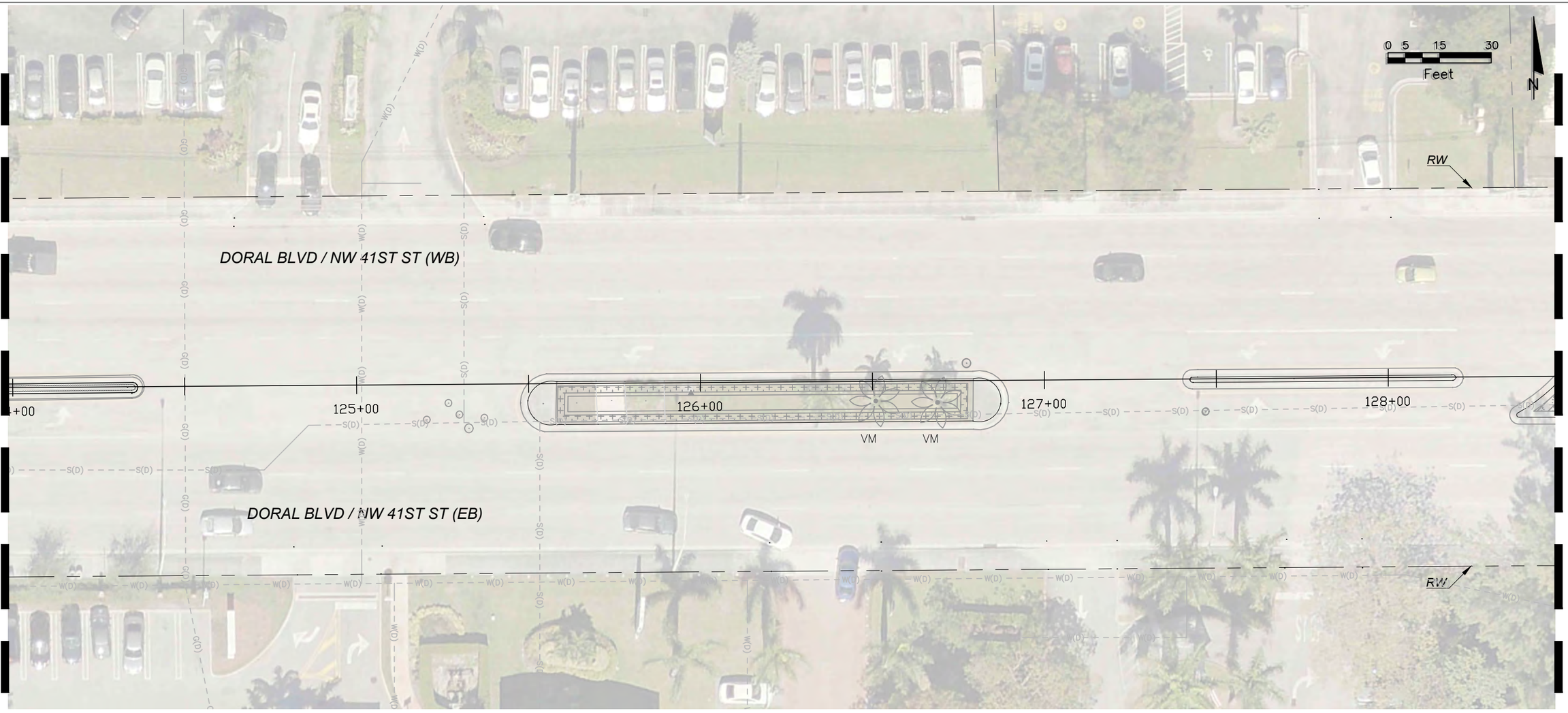
PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/22/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE LIGHTING PLAN

SHEET NO. E-2

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

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PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/07/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-3

2/2/2022 2:16 PM; Layout Tab: E-3; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG

2/2/2022 2:38 PM; Layout Tab: E-4; Pen Table: ----; Plot Created by: STEVE HOCKMAN;



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C-2#6,1#6EG
2. 1"C-2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG-2"C
4. 2"C-2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG-2"C
7. 2"C-2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C-SPARE
9. 2"C-4#2 TO FPL POLE
10. 2"C-3#4, 1#6EG
11. 2"C-4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C-4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG-2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG-2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG-2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C-2#6(LTG), 2#6(RECEPT), 1#6EG

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REVISIONS			
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PROJECT NO: 18193.05
DATE 09-23-21
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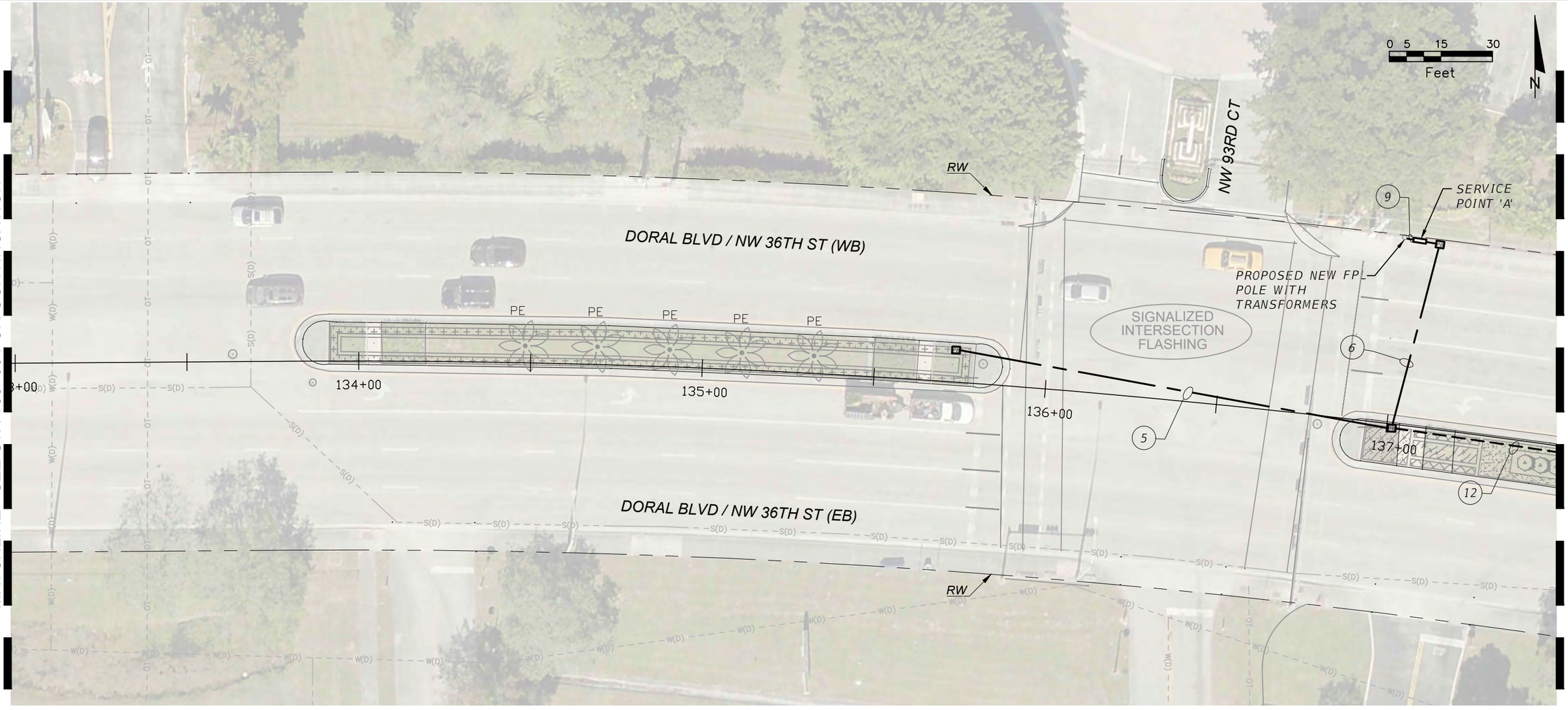
LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-4

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C-2#6,1#6EG
2. 1"C-2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG-2"C
4. 2"C-2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG-2"C
7. 2"C-2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C-SPARE
9. 2"C-4#2 TO FPL POLE
10. 2"C-3#4, 1#6EG
11. 2"C-4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C-4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG-2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG-2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG-2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C-2#6(LTG), 2#6(RECEPT), 1#6EG

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-5

2/2/2022 2:17 PM; Layout Tab: E-5; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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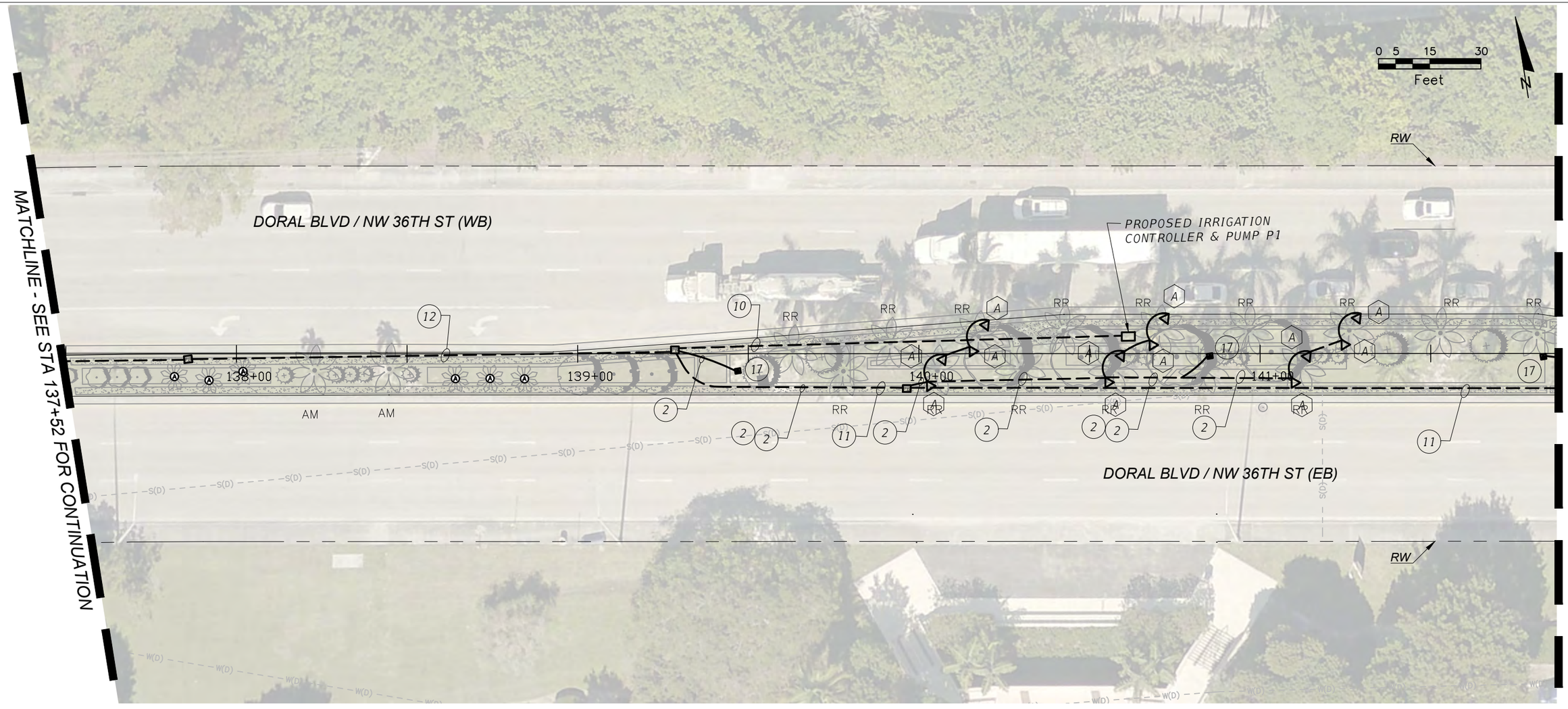

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" (X) LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E–32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E–32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
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PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/02/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

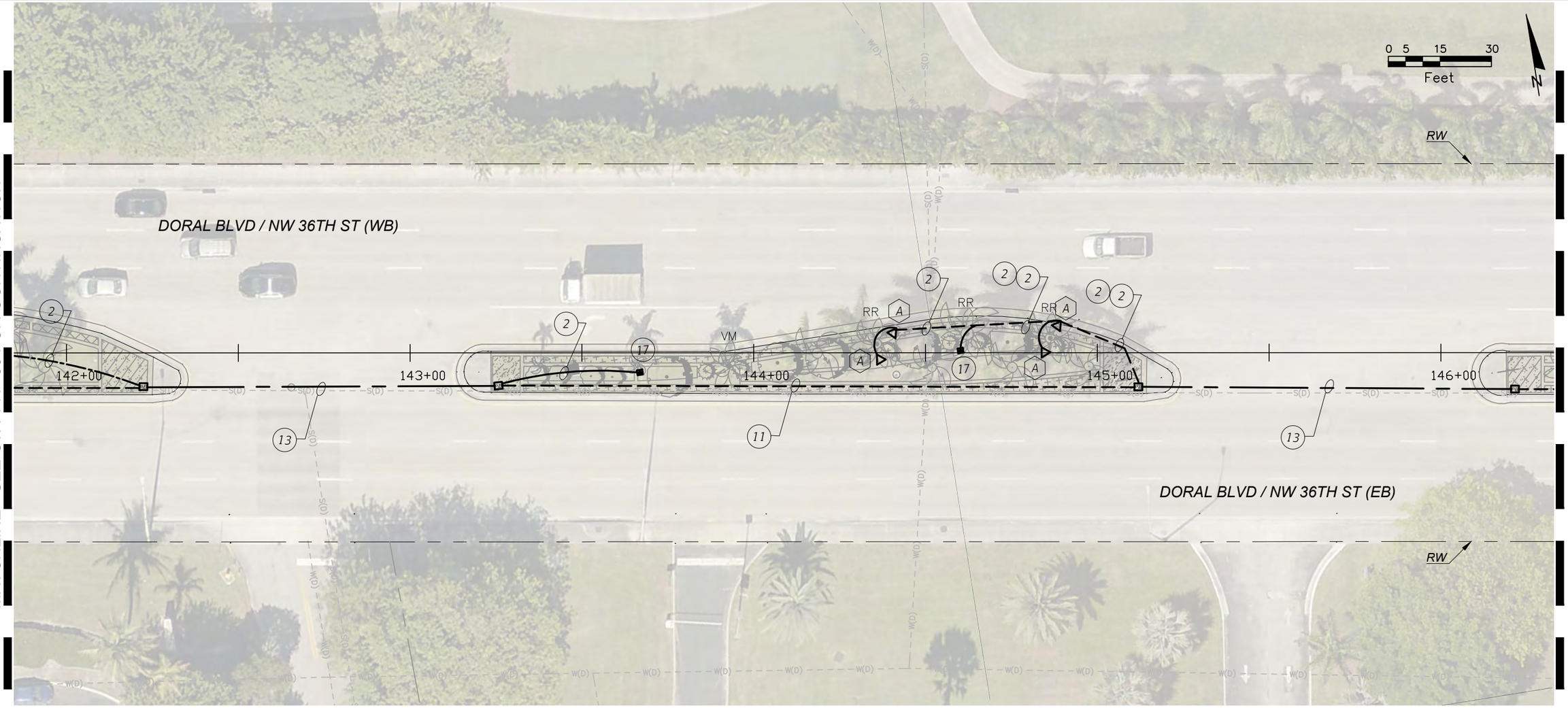
LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-6

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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REVISIONS			
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PROJECT NO: 18193.05
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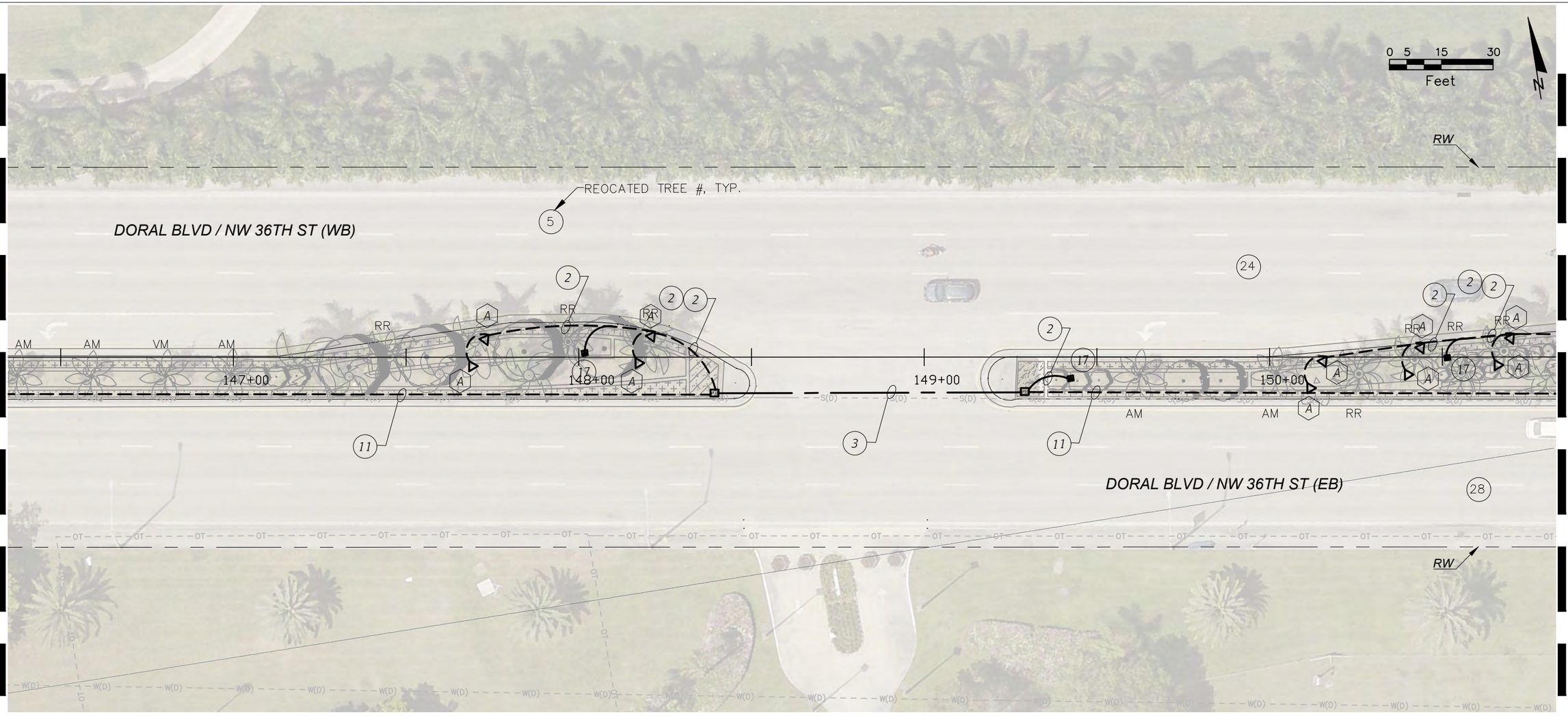
LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE LIGHTING PLAN

SHEET NO. E-7

2/2/2022 2:18 PM; Layout Tab: E-7; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

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CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/22/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

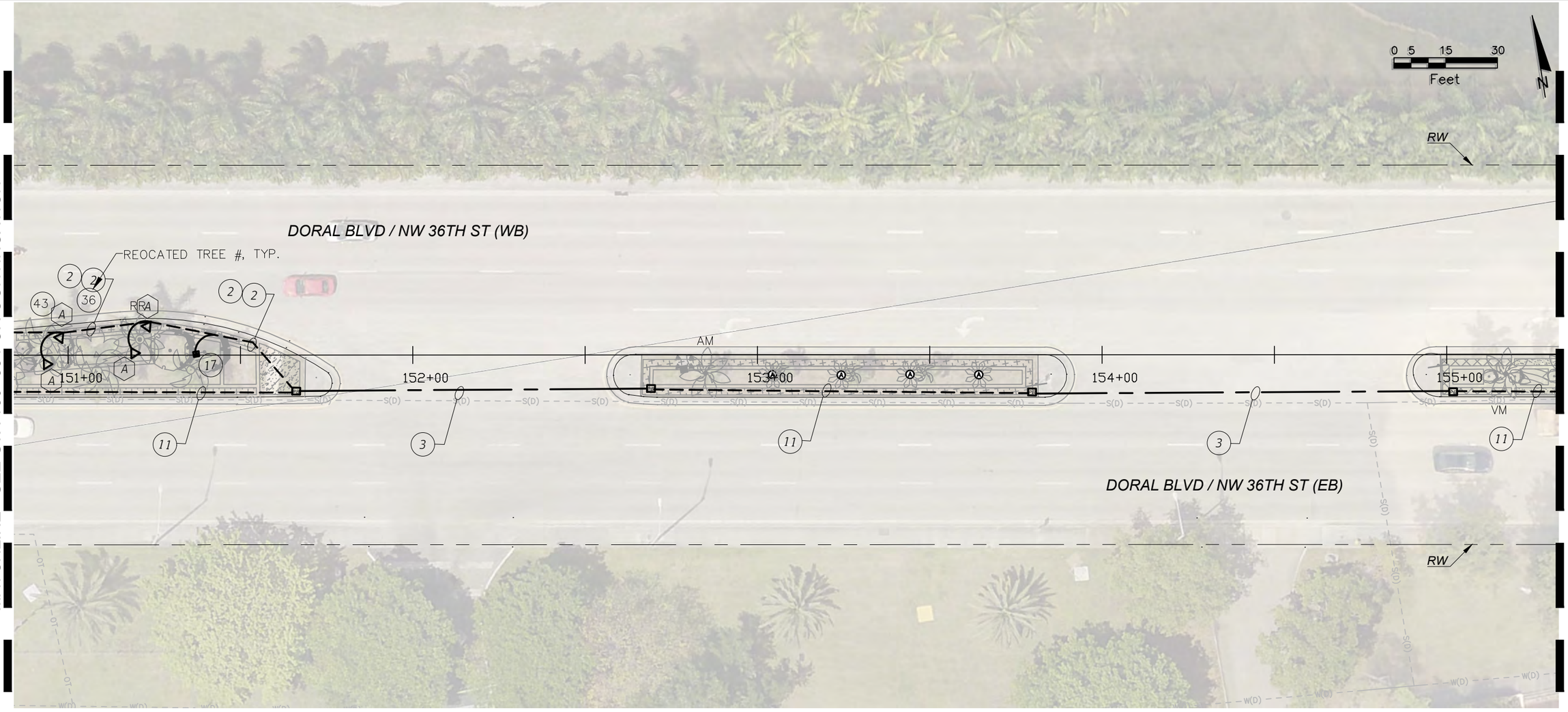
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-8

2/2/2022 2:18 PM; Layout Tab: E-8; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

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CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

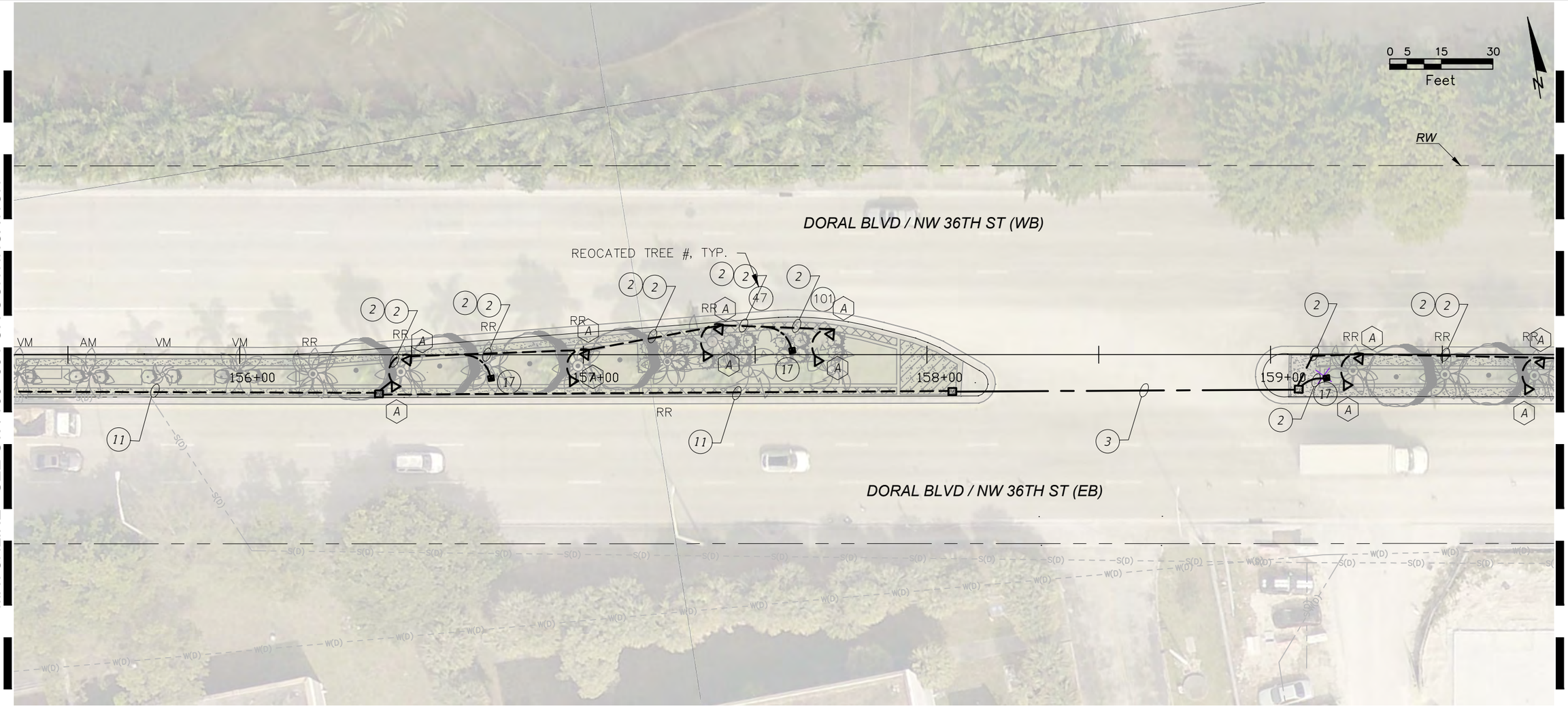
LANDSCAPE LIGHTING PLAN

SHEET NO. E-9

2/2/2022 2:19 PM; Layout Tab: E-9; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG

MATCHLINE - SEE STA 155+35 FOR CONTINUATION



MATCHLINE - SEE STA 159+85 FOR CONTINUATION

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" (X) LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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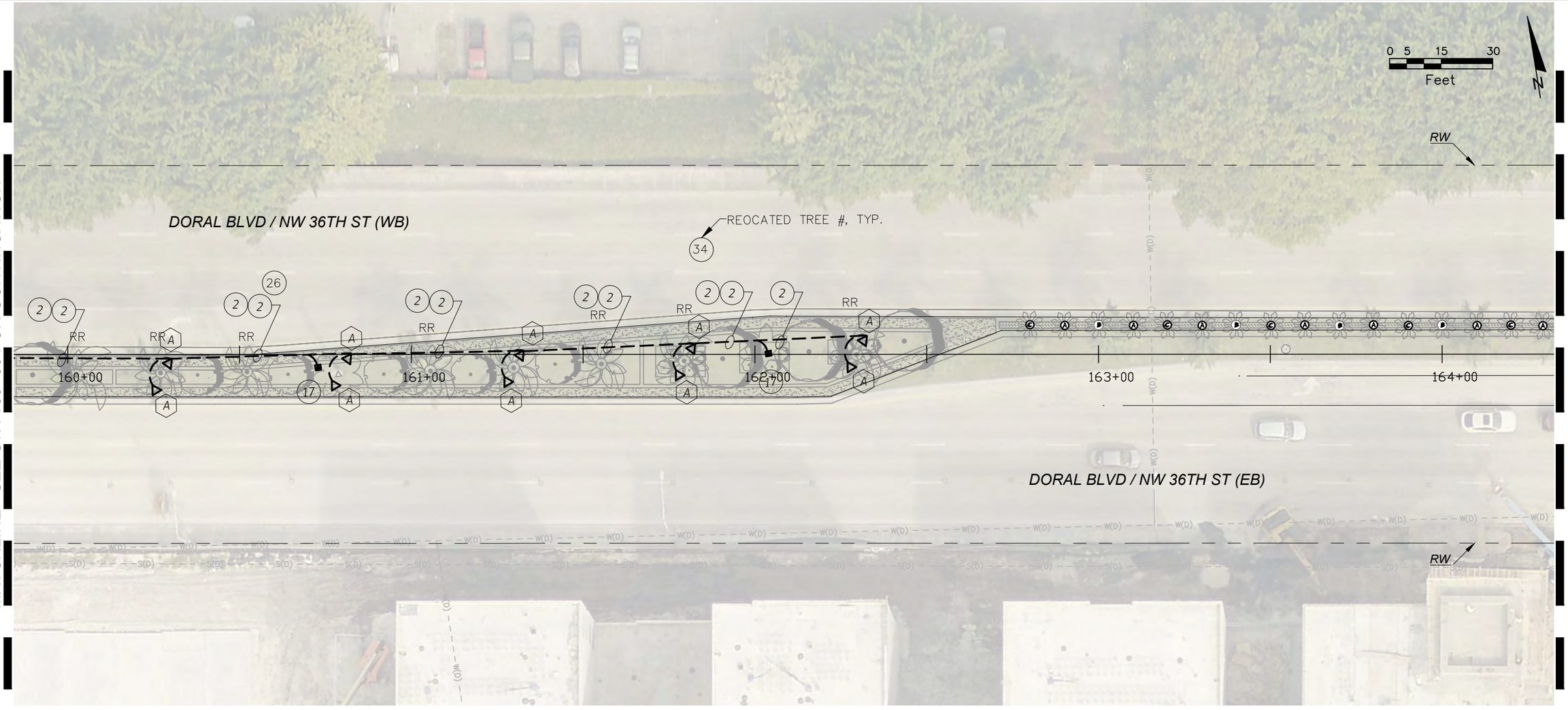
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE LIGHTING PLAN

SHEET NO. E-10

2/2/2022 2:19 PM; Layout Tab: E-10; Pen Table: ------; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

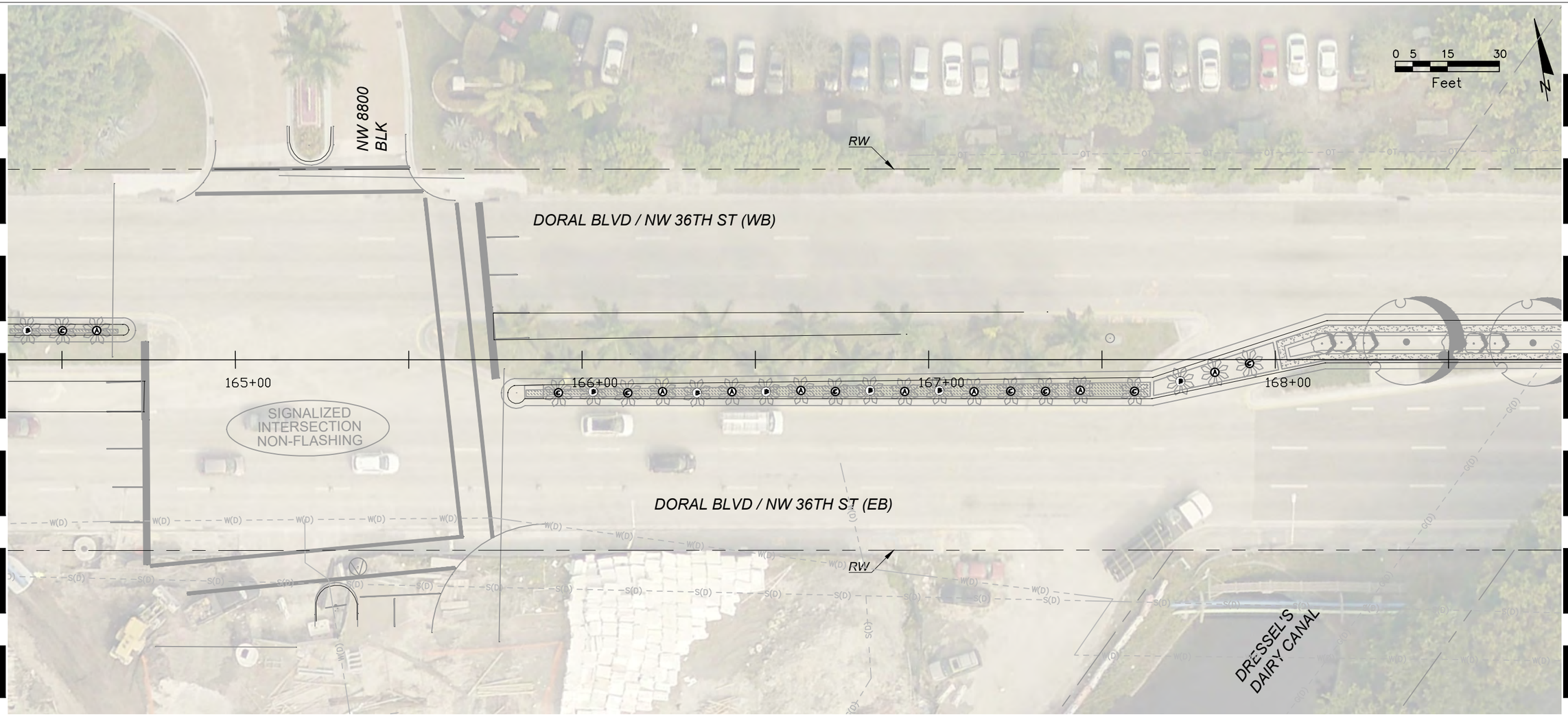
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-11

2/2/2022 2:19 PM; Layout Tab: E-11; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



MATCHLINE - SEE STA 164+35 FOR CONTINUATION

MATCHLINE - SEE STA 168+85 FOR CONTINUATION

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" (X) LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-12

2/2/2022 2:20 PM; Layout Tab: E-12; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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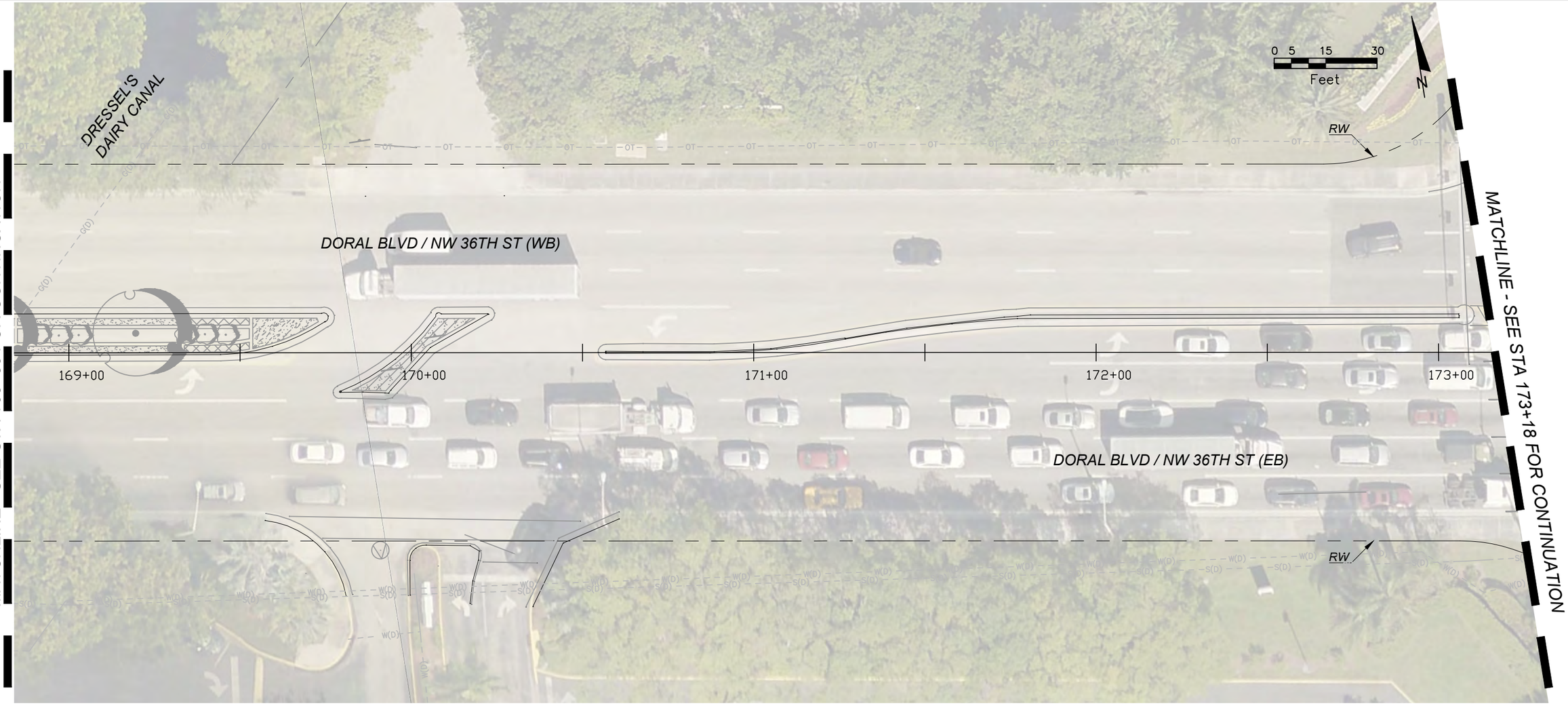

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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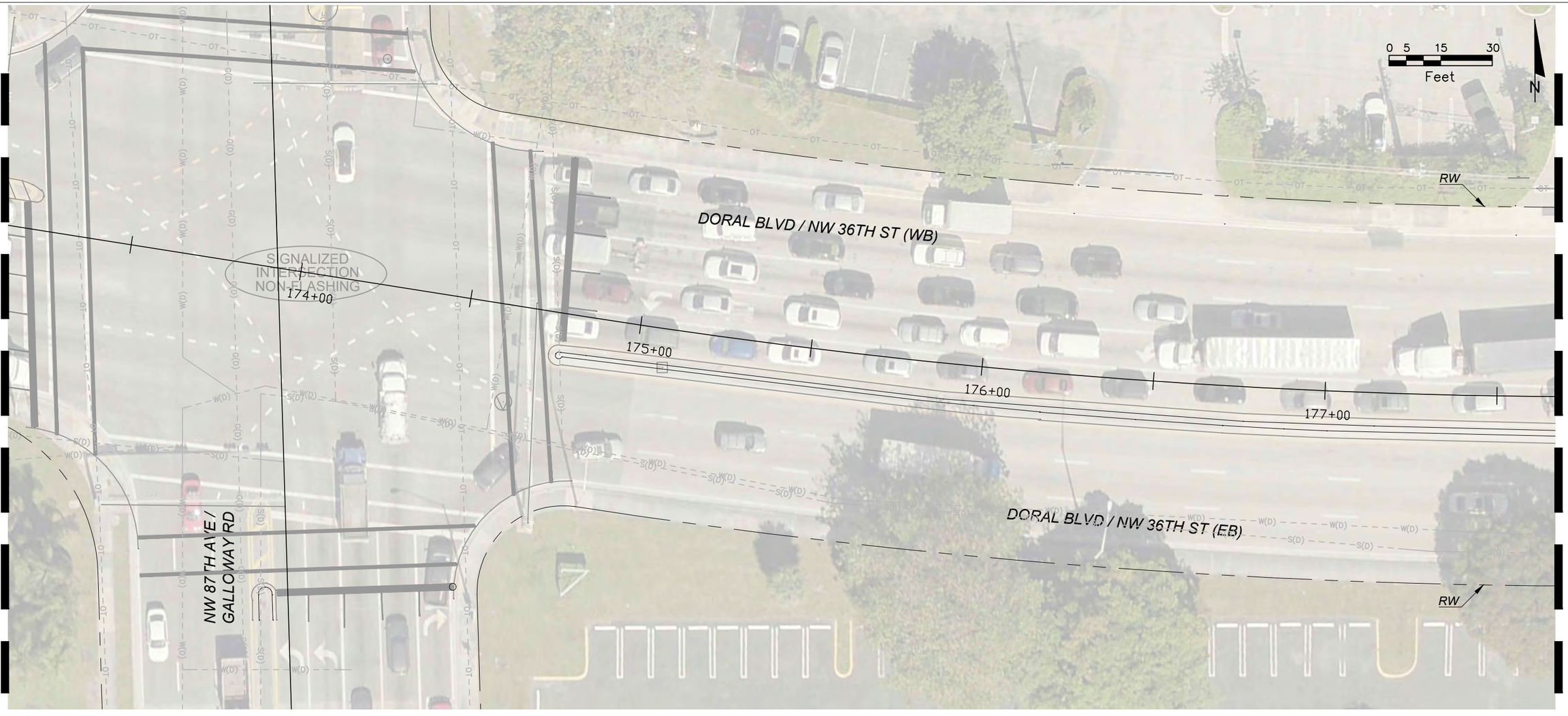
LANDSCAPE LIGHTING PLAN

SHEET NO. E-13

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:20 PM; Layout Tab: E-14; Pen Table: ----; Plot Created by: STEVE HOCKMAN;



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C-2#6,1#6EG
2. 1"C-2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG-2"C
4. 2"C-2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG-2"C
7. 2"C-2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C-SPARE
9. 2"C-4#2 TO FPL POLE
10. 2"C-3#4, 1#6EG
11. 2"C-4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C-4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG-2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG-2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG-2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C-2#6(LTG), 2#6(RECEPT), 1#6EG

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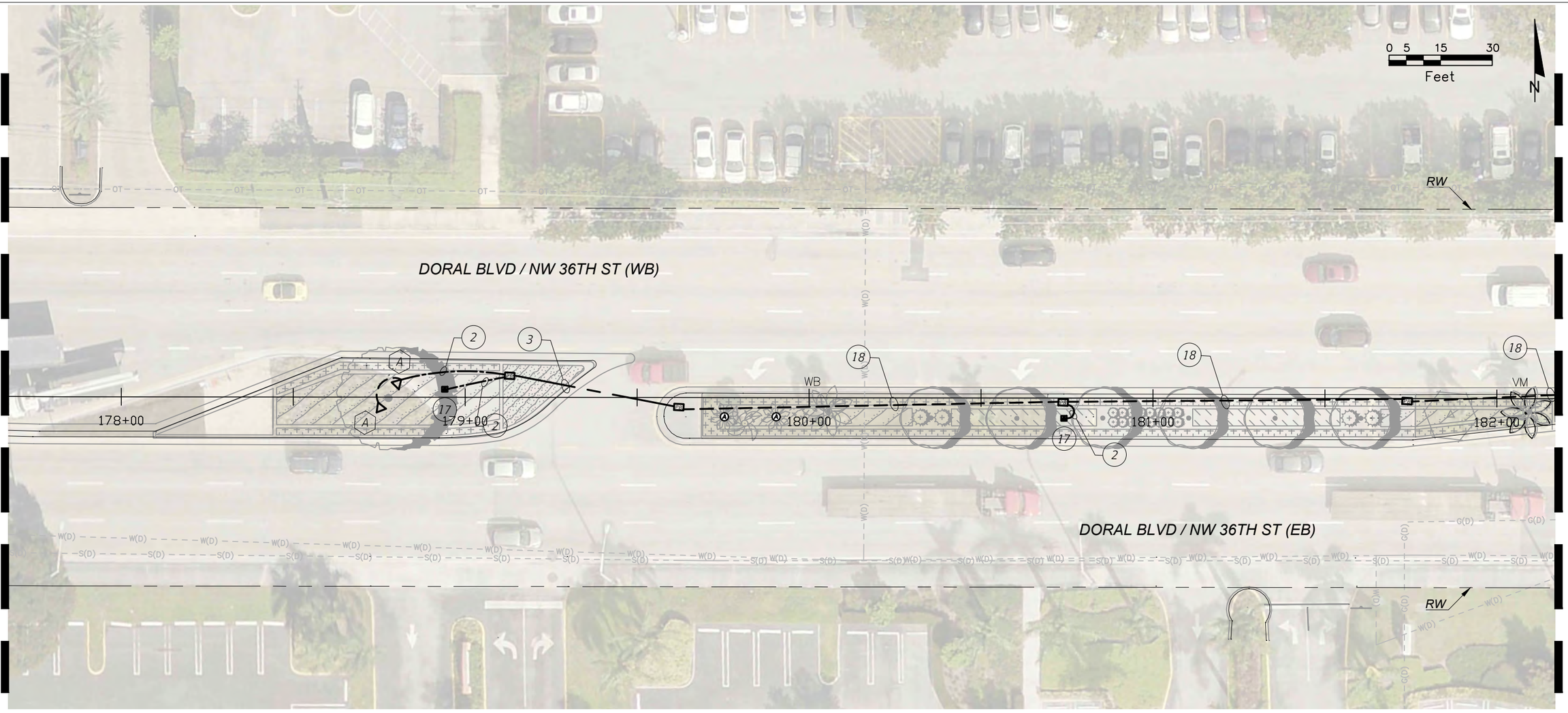
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-14

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:21 PM; Layout Tab: E-15; Pen Table: ----; Plot Created by: STEVE HOCKMAN;



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
6500 N. Andrews Avenue • Fort Lauderdale, FL 33309
954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/07/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

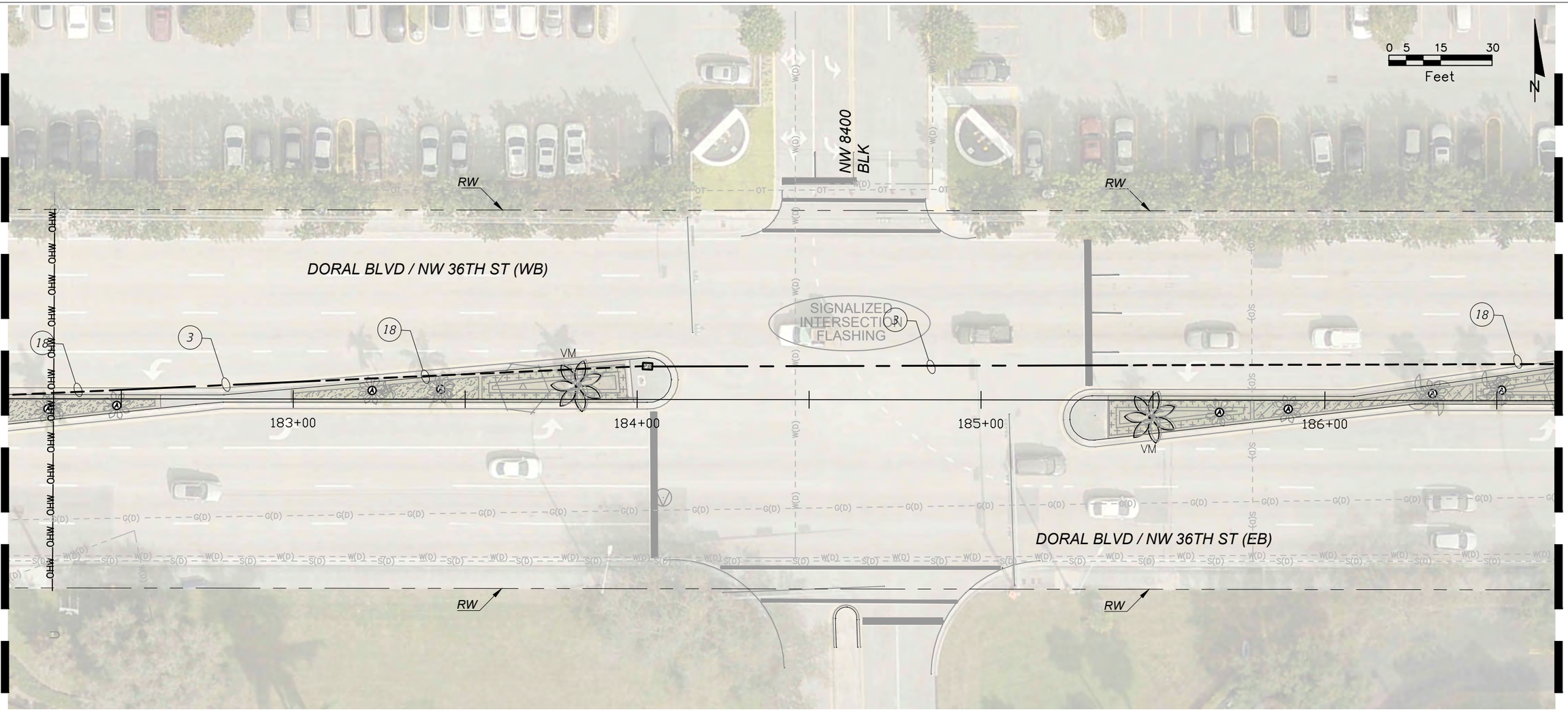
LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-15

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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DRAWN BY SPH
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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE LIGHTING PLAN

SHEET NO. E-16

2/2/2022 2:21 PM; Layout Tab: E-16; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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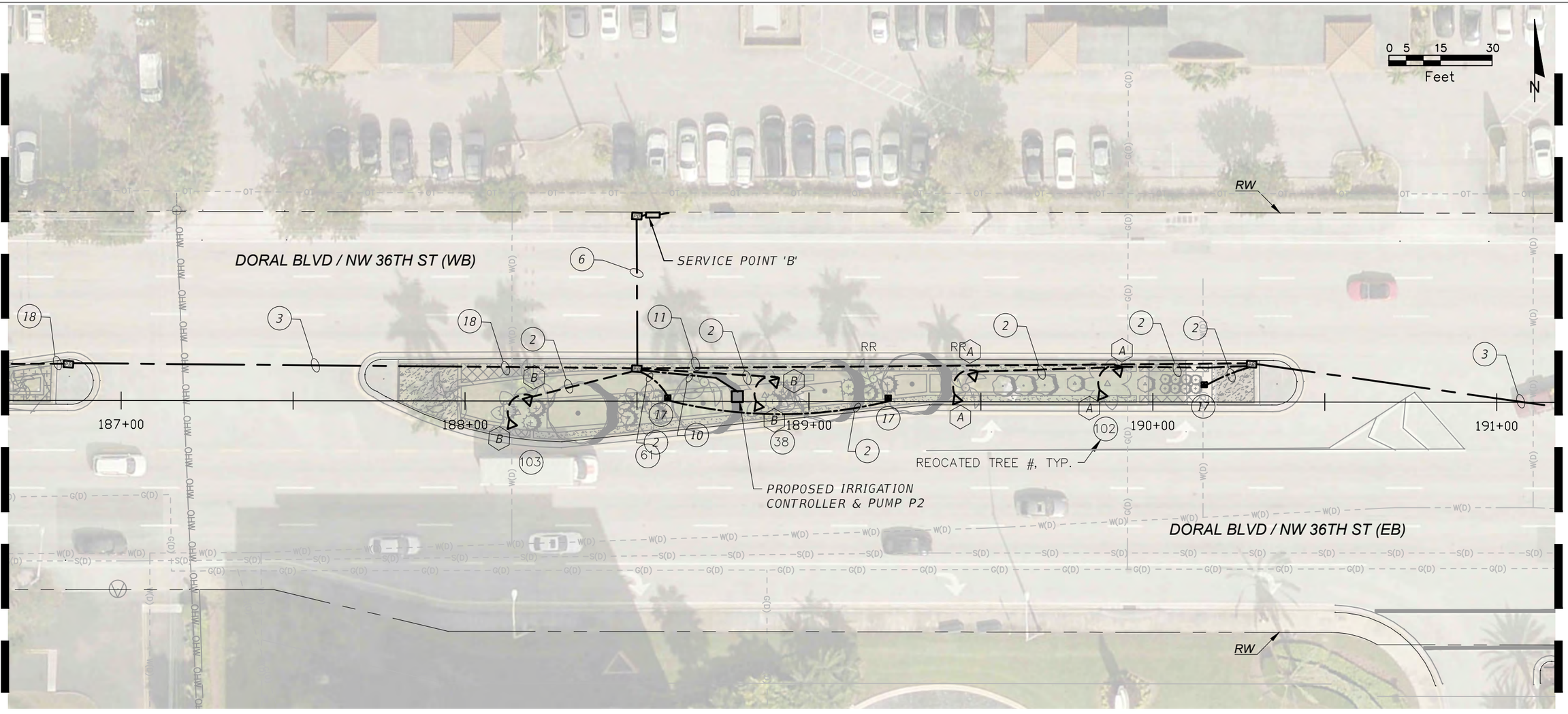

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E–32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E–32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANSCAPE LIGHTING PLAN

SHEET NO. E-17

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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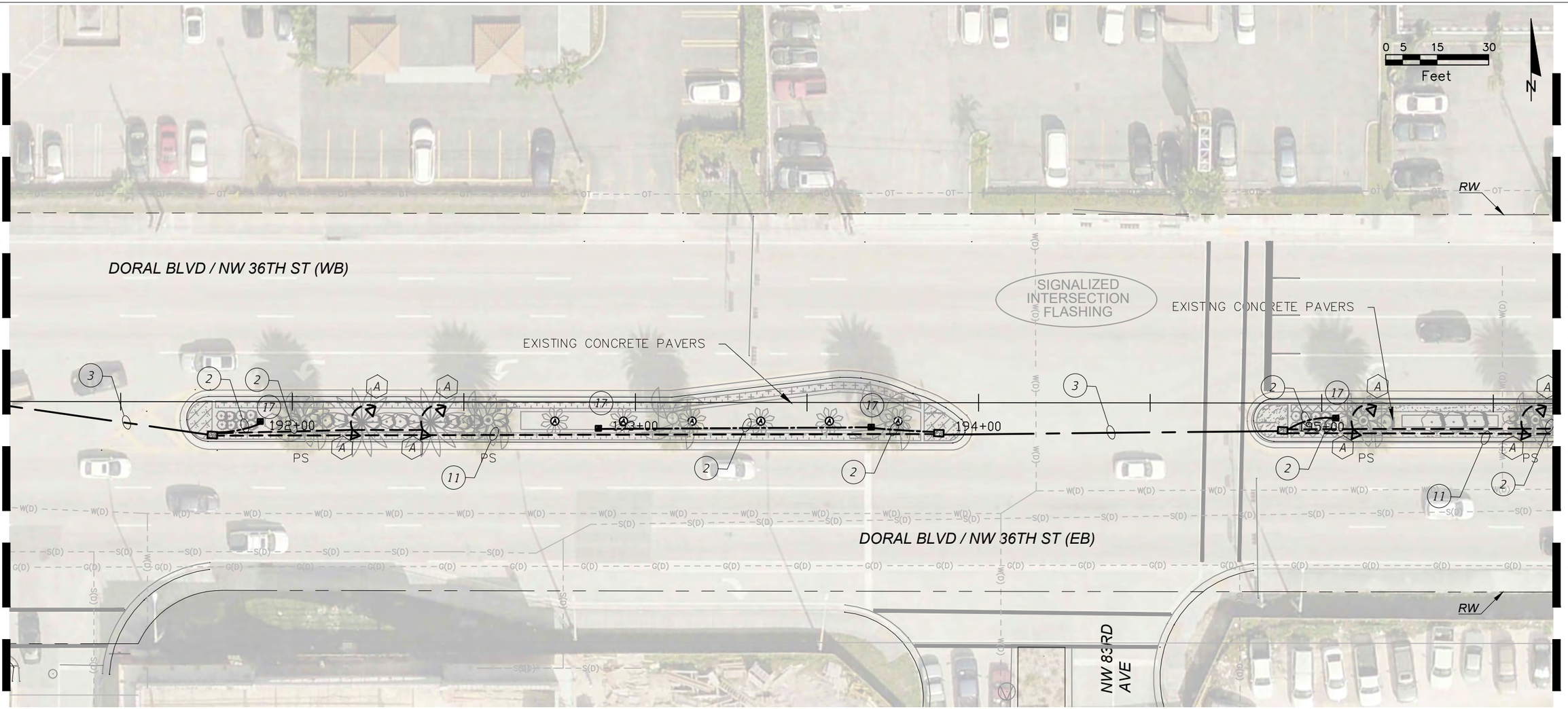

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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DESIGNED BY SPH
DRAWN BY SPH
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CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/01/22
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-18

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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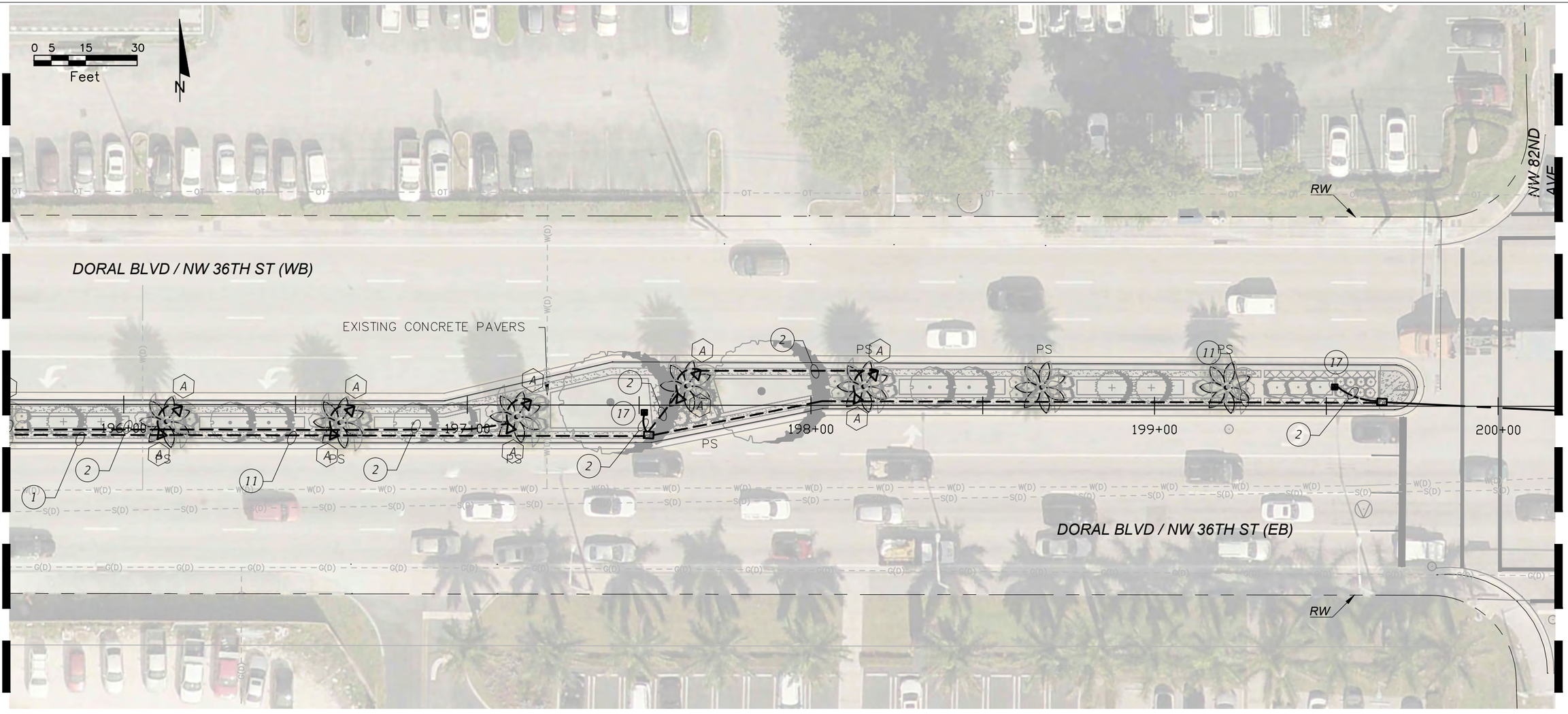

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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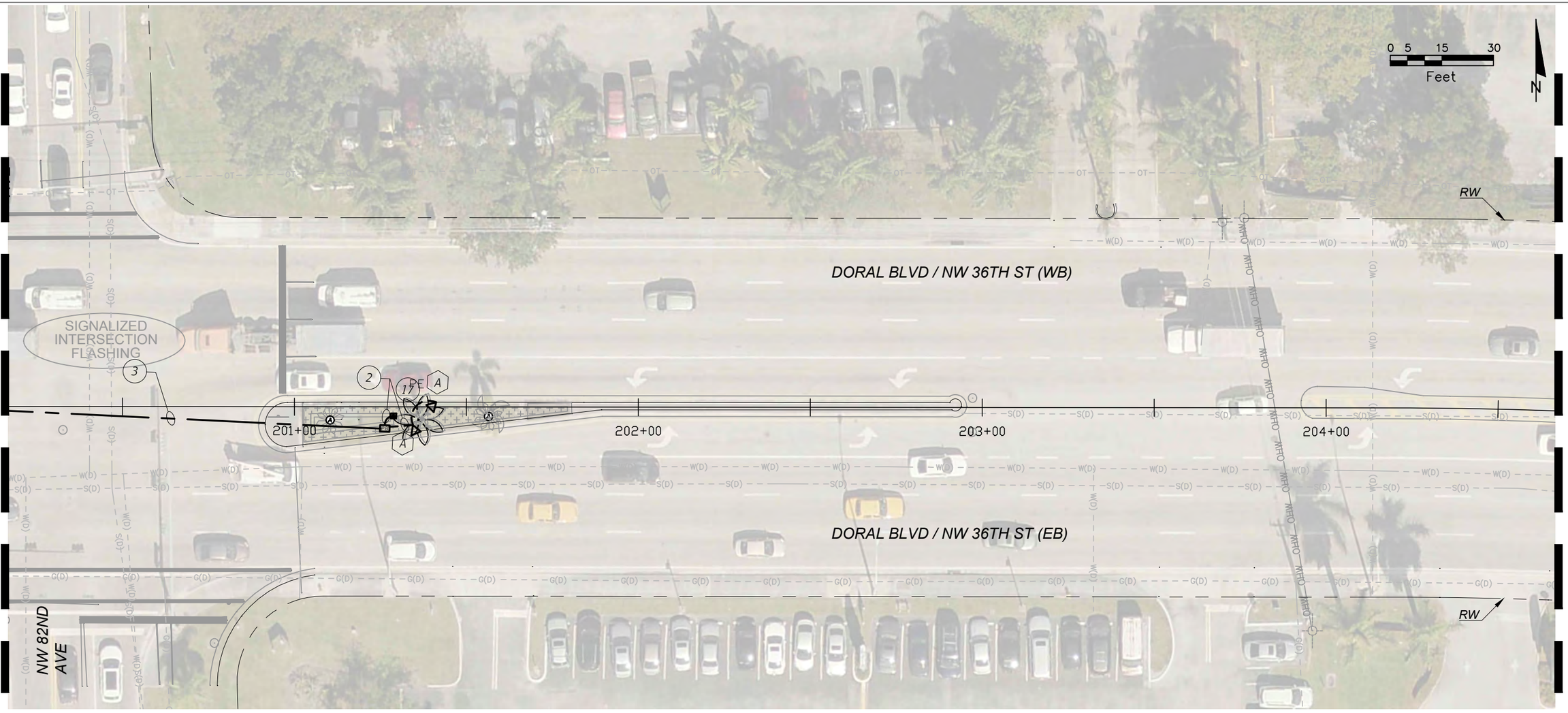
DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-19

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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REVISIONS			
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DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-20

2/2/2022 2:22 PM; Layout Tab: E-20; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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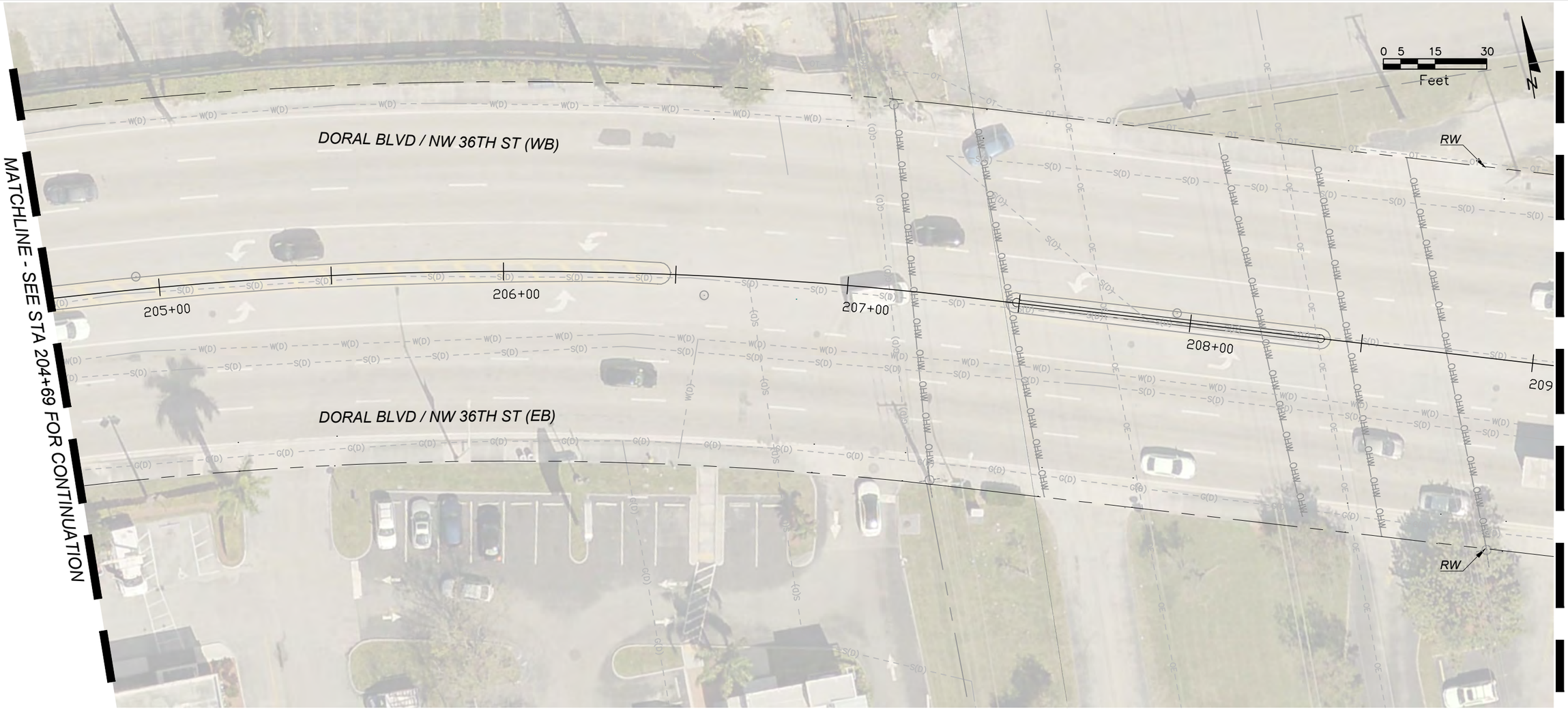

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

Smith Engineering Consultants,Inc.
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www.smithengineeringconsultants.com

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE 1" = 30'
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY SPH

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CONSTRUCTION MANAGERS
6500 N. Andrews Avenue • Fort Lauderdale, FL 33309
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CERTIFICATE OF AUTHORIZATION NO. 4898

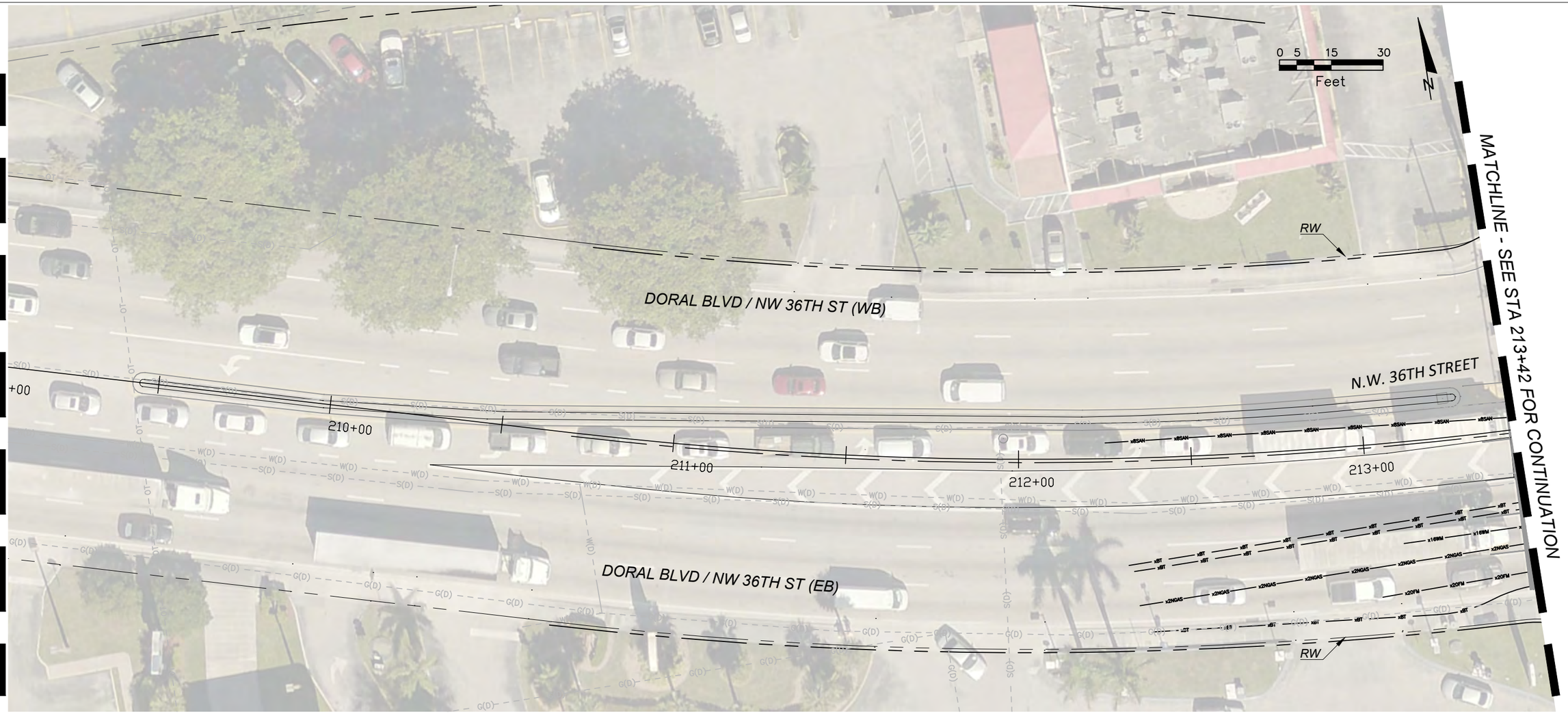
PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH NO. 45997
45997 STATE OF FLORIDA PROFESSIONAL ENGINEER
(FOR THE FIRM) DATE: 02/07/22
CERTIFICATE OF AUTHORIZATION NO. 8228

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-21

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:23 PM; Layout Tab: E-22; Pen Table: ----; Plot Created by: STEVE HOCKMAN;



LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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PROFESSIONAL ENGINEER OF RECORD
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/10/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHITNG PLAN

SHEET NO. E-22

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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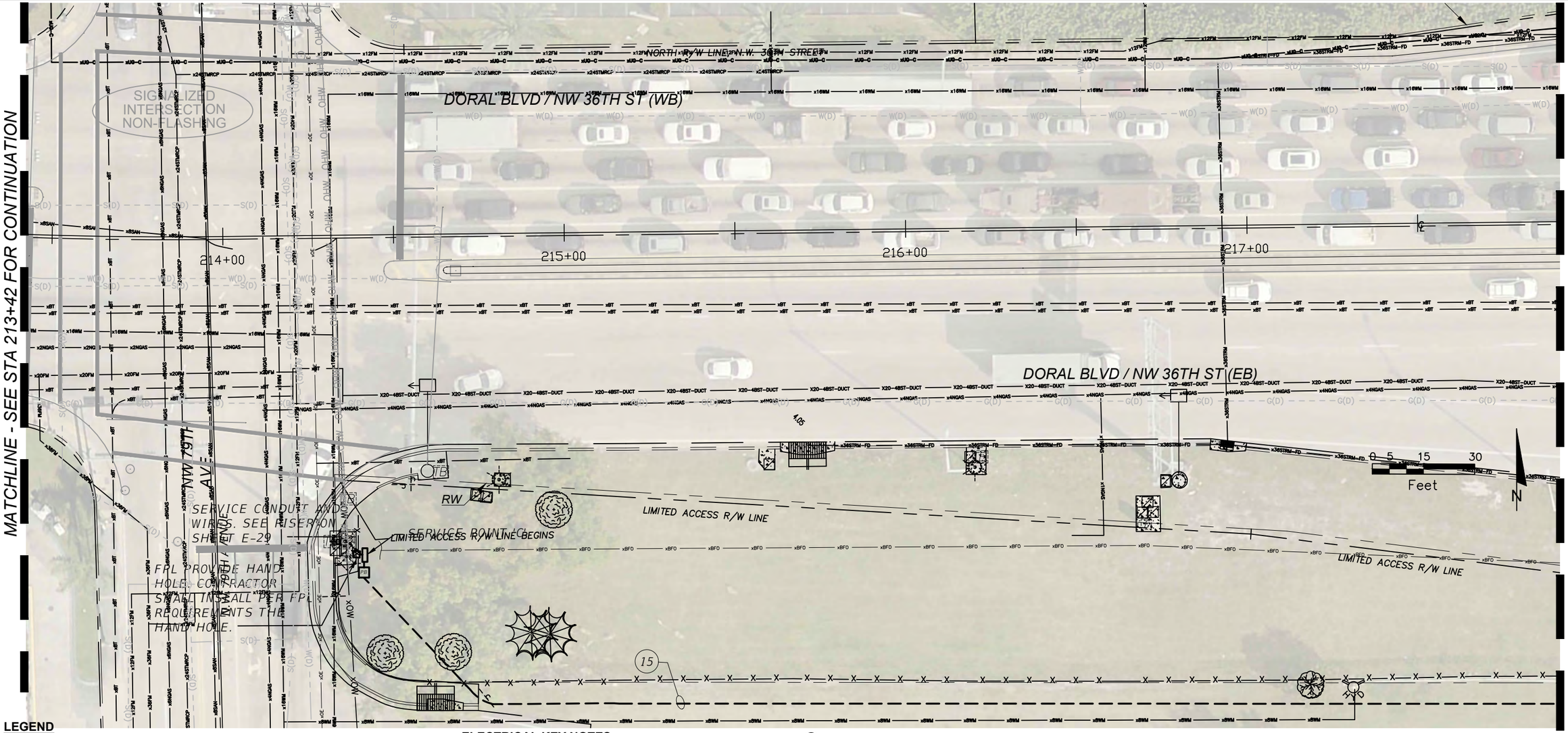

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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PROFESSIONAL ENGINEER OF RECORD
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45997
(FOR THE FIRM) DATE: 02/07/2022
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-23

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG

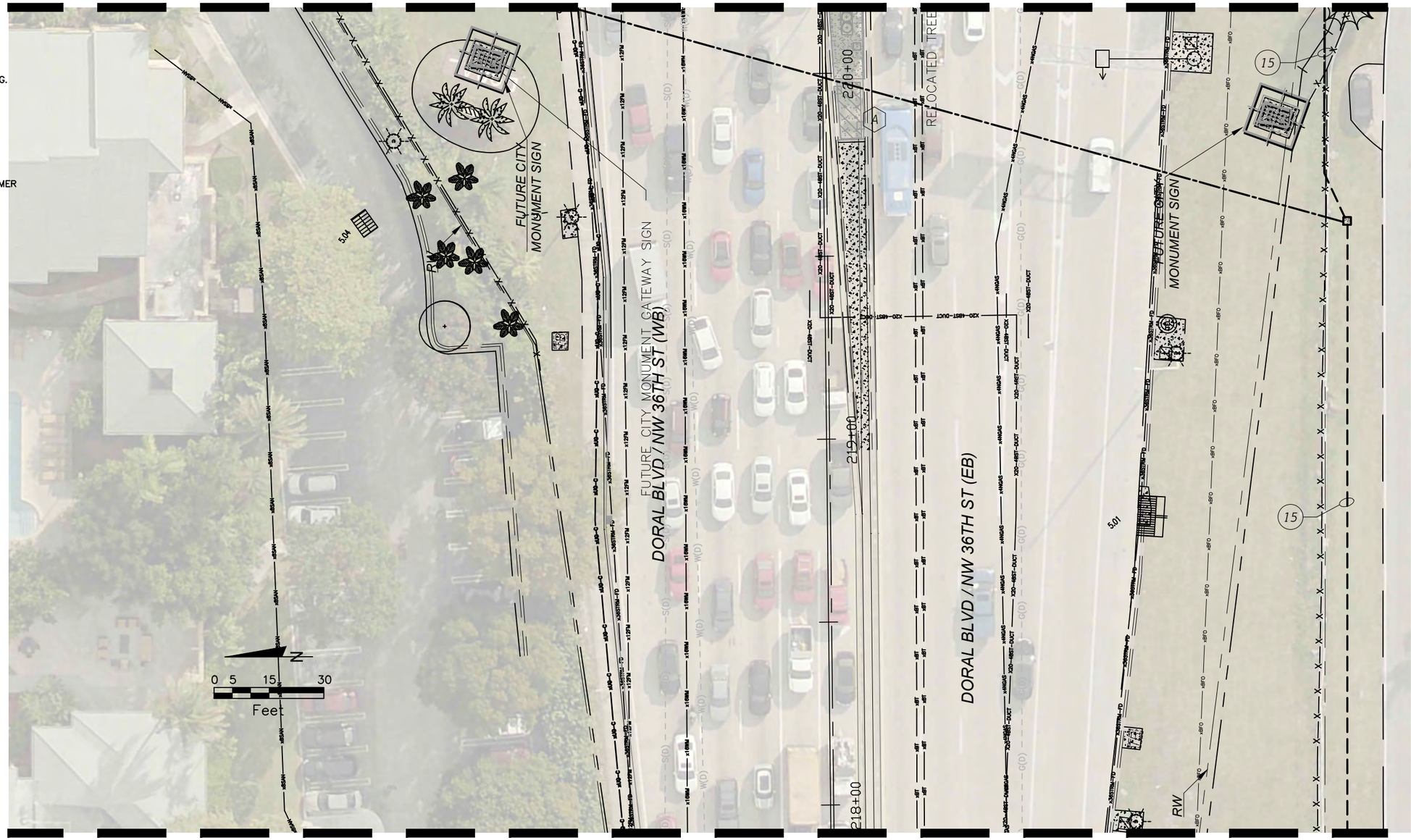
LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

MATCHLINE - SEE STA 220+18 FOR CONTINUATION



MATCHLINE - SEE STA 217+93 FOR CONTINUATION

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DRAWN BY SPH
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CONSTRUCTION MANAGERS
6500 N. Andrews Avenue • Fort Lauderdale, FL 33309
954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/10/22
CERTIFICATE OF AUTHORIZATION NO. 8228

MICHAEL SMITH LICENSE No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-24

2/2/2022 2:25 PM; Layout Tab: E-24; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:26 PM; Layout Tab: E-25; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

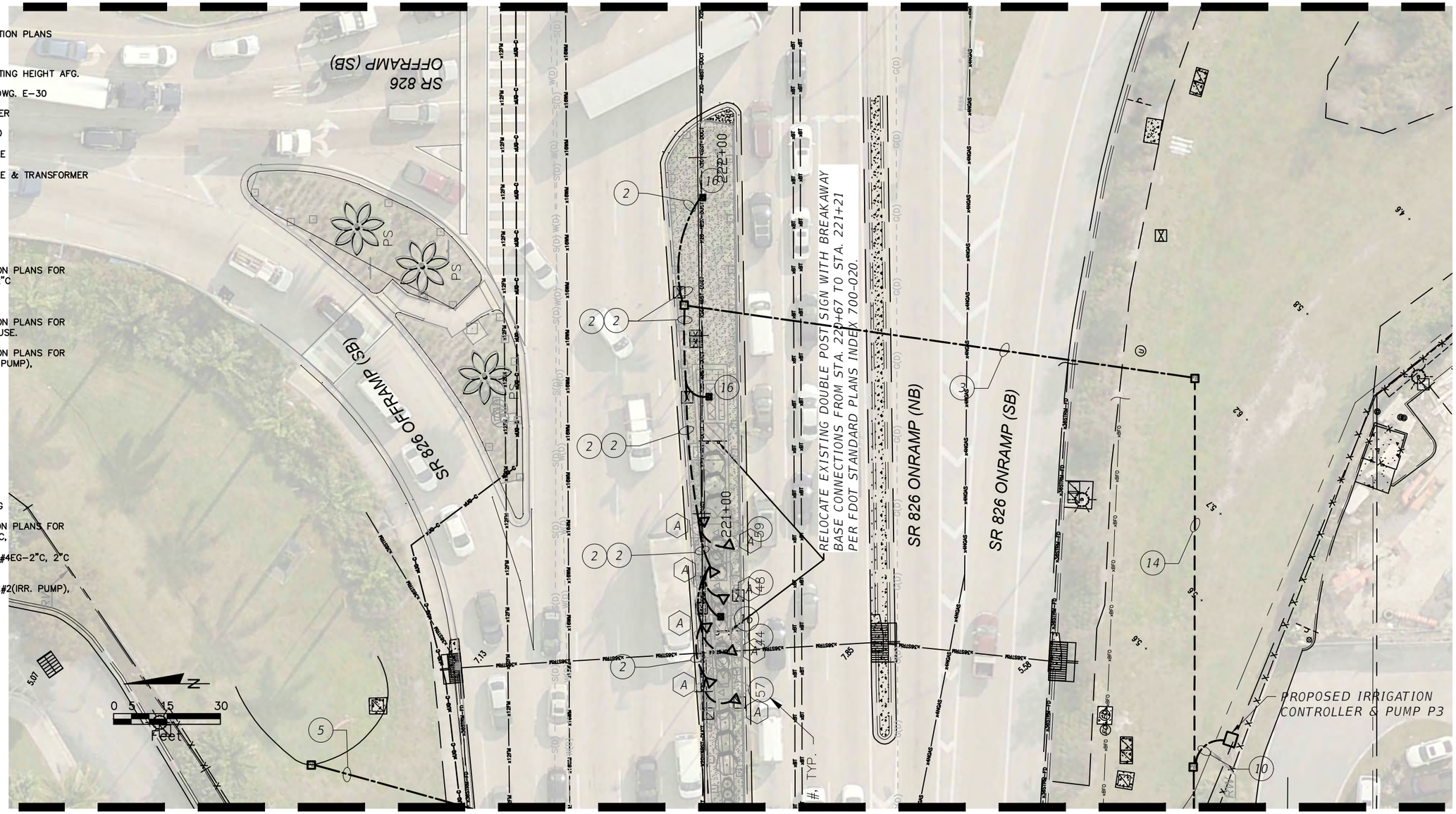
LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E–32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E–32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

MATCHLINE - SEE STA 222+43 FOR CONTINUATION



MATCHLINE - SEE STA 220+18 FOR CONTINUATION

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CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD:
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/02/22
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

LANDSCAPE LIGHTING PLAN

SHEET NO. E-25

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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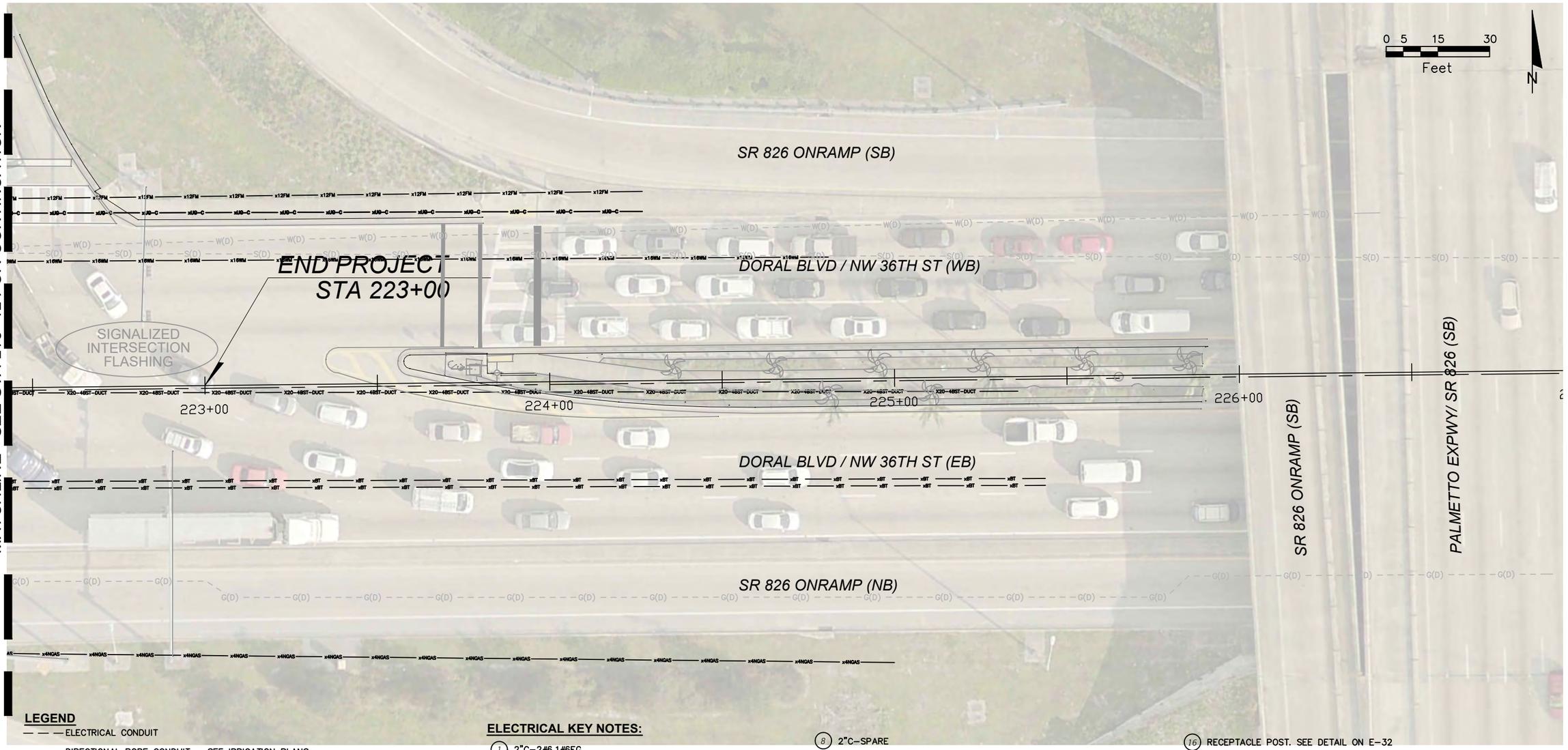

LEGEND

- ELECTRICAL CONDUIT
- DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS
- LANDSCAPE LIGHTING
- X" LIGHTING FIXTURE DESIGNATION AND MOUNTING HEIGHT AFG.
- PB ELECTRICAL PULL BOX – SEE DETAIL ON DWG. E-30
- PROPOSED FPL PAD MOUNTED TRANSFORMER
- SERVICE PANEL SEE DETAIL ON DWG. E-30
- POWER PEDESTAL WITH GFI/WP RECEPTACLE
- POWER PEDESTAL WITH GFI/WP RECEPTACLE & TRANSFORMER

ELECTRICAL KEY NOTES:

1. 2"C–2#6,1#6EG
2. 1"C–2#6,1#6EG
3. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2#6(LTG.), 2#6(RECEPT), 1#6EG–2"C
4. 2"C–2#6,1#6EG, 3#4 (IRR. PUMP)
5. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 2" CONDUIT SPARE FOR FUTURE USE.
6. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT), 3#4(IRR. PUMP), 1#6EG–2"C
7. 2"C–2#6,1#6EG, 2#4 (IRR. PUMP)
8. 2"C–SPARE
9. 2"C–4#2 TO FPL POLE
10. 2"C–3#4, 1#6EG
11. 2"C–4#6(LTG), 2#6(RECEPT), 1#6EG
12. 2"C–4#6(LTG), 2#6(RECEPT), 3#4(IRR), 1#6EG
13. DIRECTIONAL BORE CONDUIT – SEE IRRIGATION PLANS FOR LOCATION. 4#6(LTG), 2#6(RECEPT) 1#6EG–2"C,
14. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 1#4EG–2"C, 2"C SPARE
15. TRENCH CONDUIT. 2#6(LTG.), 2#6(RECEPT), 2#2(IRR. PUMP), 1#4EG–2"C, 2"C SPARE
16. RECEPTACLE POST. SEE DETAIL ON E-32
17. RECEPTACLE POST WITH TRANSFORMER. SEE DETAIL ON SHEET E-32.
18. 2"C–2#6(LTG), 2#6(RECEPT), 1#6EG

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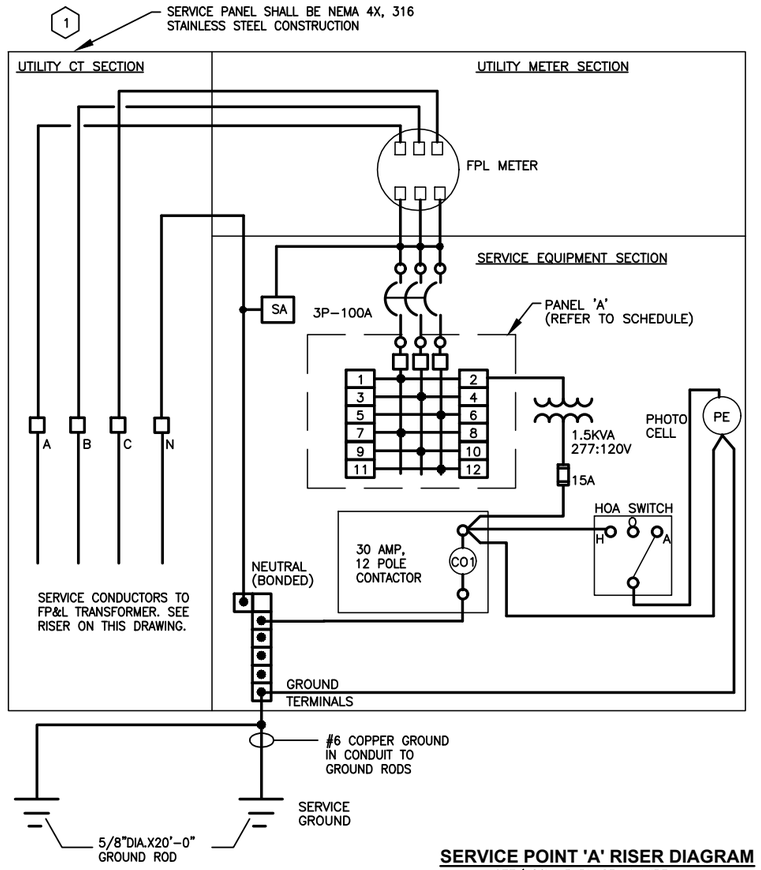
LARRY MICHAEL SMITH LICENSE NO. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

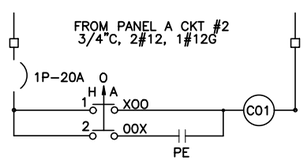
LANDSCAPE LIGHTING PLAN

SHEET NO. E-26

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:26 PM; Layout Tab: E-27; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

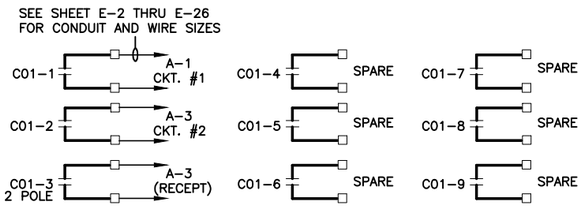


SERVICE POINT 'A' RISER DIAGRAM
277/480V, 3 PHASE, 4 WIRE



CONTRACTOR SHALL PROVIDE AND INSTALL ELECTRICALLY HELD LIGHTING CONTACTORS, 120V, 1P COIL, 30A 277V RATED CONTACTS IN NEMA 1 ENCLOSURE. MAKE ALL NECESSARY CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.

LIGHTING CONTROL SCHEMATIC
SCALE: NONE

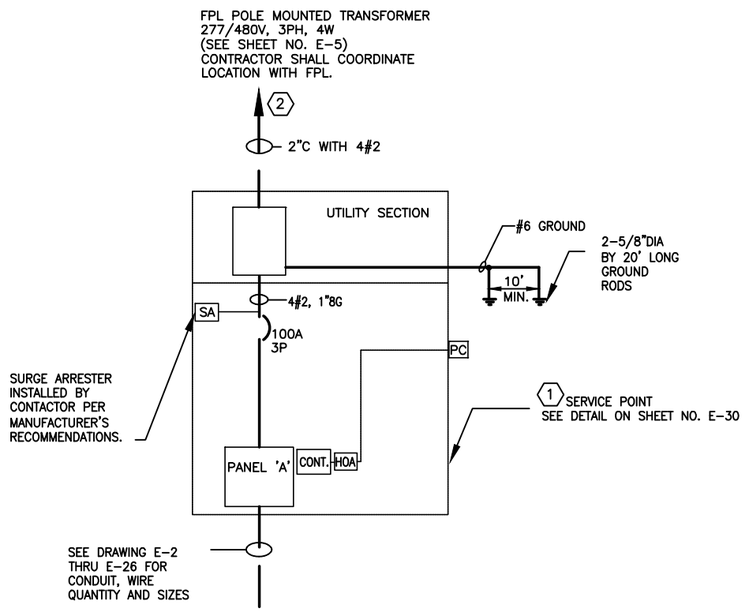


SERVICE POINT 'A' DATA

DESCRIPTION	TOTAL AMPS	TOTAL KVA
PANEL LOAD	29.2	24.2

CURRENT SERVICE CALCULATION
(29.2A X 1.25) = 36.5A

THEREFORE, THE 100A MAIN BREAKER IS ADEQUATE



SERVICE POINT 'A' ONE LINE DIAGRAM
277/480V, 3 PHASE, 4 WIRE

PANELBOARD "A" SCHEDULE

WIRE	BUS AMPS A	B	C	LOAD	POLES	AMPS	BUS A B C	AMPS	POLES	LOAD	BUS AMPS A	B	C	WIRE
6	7.5			LANDSCAPE LTG. CKT#1	1	20	1 2	15	1	CONTROL TRANSF.	5.4			12
6		7.5		LANDSCAPE LTG. CKT#2	1	20	3 4	30	3	IRRIGATION PUMP 10HP		14.0		4
6			12.5	LANDSCAPE RECEPT	2	20	5 6						14.0	4
6	12.5						7 8				14.0			4
				SPARE	1	20	9 10			SPACE				
				SPARE	1	20	11 12			SPACE				

TOTAL AMPS: BUS A 39.4 BUS B 21.5 BUS C 26.5 CONNECTED Kva 24.2

RATED VOLTAGE: ■ 277/480 □ _____ 3 PHASE, 4 WIRE		BRANCH POLES ■12 □ 18 □ 20 □ 24 □ 30 □ 36 □ 42	
RATED AMPS: ■ 100 □ 150 □ 200 □ _____		CABINET ■ SURFACE □ FLUSH	
FULL NEUTRAL BUS	■ GROUND BUS ■ HINGED DOOR	□ KEYED DOOR LATCH	ENCLOSURE TYPE NEMA 1
□ FUSED ■ CIRCUIT BREAKER (BOLT-ON) BRANCH DEVICE		FEED IS TO BE ■ BOTTOM □ TOP	
■ MAIN LUGS ONLY	MAIN _____ AMPS □ BREAKER □ FUSED SWITCH	□ _____ TO BE GFI BREAKERS	
ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT ISC OF __42,000 AMPS SYMMETRICAL			
APPROVED MF'RS SQUARE D, GE			

NOTE:
ONLY PHASE CONDUCTOR SIZES ARE SHOWN ON SCHEDULES. PROVIDE NEUTRAL CONDUCTORS SAME SIZE AS PHASE CONDUCTORS WHERE REQUIRED. PROVIDE GROUND CONDUCTORS PER NEC IN ALL CONDUITS. SIZE CONDUITS PER NEC.

KEYED NOTES :

1. PROVIDE AND INSTALL 277/480V, 3 PHASE, 4W, 100 AMP SERVICE PANEL COMPLETE AS PER DETAIL ON SHEET E-30. CONTRACTOR SHALL COORDINATE THE FPL SERVICE BEFORE BIDDING WITH FLORIDA POWER & LIGHT (FPL) AND SHALL BE RESPONSIBLE FOR ALL EXPENSES FOR A COMPLETE INSTALLATION IN PLACE. SERVICE PANEL SHALL BE TESCO, CAT. #27-000 (METERED) OR APPROVED EQUAL. SERVICE PANEL SHALL INCLUDE UTILITY SECTION, CT SECTION, METER SECTION, 100 AMP 277/480V, 3ø PANEL, CIRCUIT BREAKERS AS PER PANEL SCHEDULE, SERVICE ENTRANCE MAIN BREAKER, SURGE ARRESTOR, SECURITY EQUIPMENT SECTION, MISCELLANEOUS CONTROL AND ALL WIRING AND CONDUIT FOR A COMPLETE WORKING SYSTEM IN PLACE.
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2. CONTRACTOR SHALL VERIFY WITH FPL EXACT LOCATION OF SERVICE POINT AND ADJUST THE SERVICE CONDUIT ROUTING ACCORDINGLY. CONTRACTOR SHALL STUB-OUT TO POLE MOUNTED TRANSFORMER, THE CONDUIT AND WIRING AS REQUIRED BY FPL FOR THE SERVICE POINT.

NOTES:

1. ALL INTERIOR WIRING SHALL BE SIZE AS PER NEC CODE.
2. CONTRACTOR SHALL PROVIDE ALL CIRCUIT BREAKERS, INTERIOR WIRING, GROUNDING RODS, ETC. FOR A COMPLETE WORKING SYSTEM IN PLACE.
3. SERVICE POINT CABINET SHALL BE NEMA 4X, 316 STAINLESS STEEL.
4. SERVICE POINT CABINET SHALL BE BUILT BY AN APPROVED UL SHOP AND CARRY A UL LABEL ON THE PANEL AND EQUIPMENT.
5. CONTRACTOR SHALL VERIFY WITH FPL PRIOR TO ORDERING PANEL FOR PLACING THE METER WITHIN THE UTILITY SECTION. IF REQUIRED THE METER SHALL BE INSTALLED ON THE EXTERIOR OF THE CABINET. ALL COST MODIFICATIONS SHALL BE INCLUDED IN THE COST OF THE CABINET.

FAULT CURRENT CALCULATIONS:

TOTAL CONNECTED LOAD = 24.2 KVA

LARGEST ASSUMED UTILITY TRANSFORMER = 300 KVA
= 360A @ 480V, 3ø

SMALLEST ASSUMED TRANSFORMER IMPEDANCE = 3.5%
= 0.035 p.u.

MAX. AVAILABLE 3ø SYMMETRICAL FAULT CURRENT:
(1÷ 0.035) x 360A = 10,286A

THEREFORE A MIN. 25,000 AIC RATING IS ADEQUATE

NOTE:

1. CONFIRM THE ABOVE WITH THE POWER UTILITY PRIOR TO ORDERING EQUIPMENT. ADVISE THE ENGINEER OF ANY DISCREPANCIES.

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2161 Palm Beach Lakes Blvd., Suite 312
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www.smithengineeringconsultants.com

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09-23-21
SCALE NONE
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

KCI ENGINEERS | PLANNERS | SCIENTISTS
CONSTRUCTION MANAGERS
6500 N. Andrews Avenue • Fort Lauderdale, FL 33309
954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD/LICENSE
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 07/27/22
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
SERVICE POINT 'A' SINGLE LINE DIAGRAM

SHEET NO. E-27

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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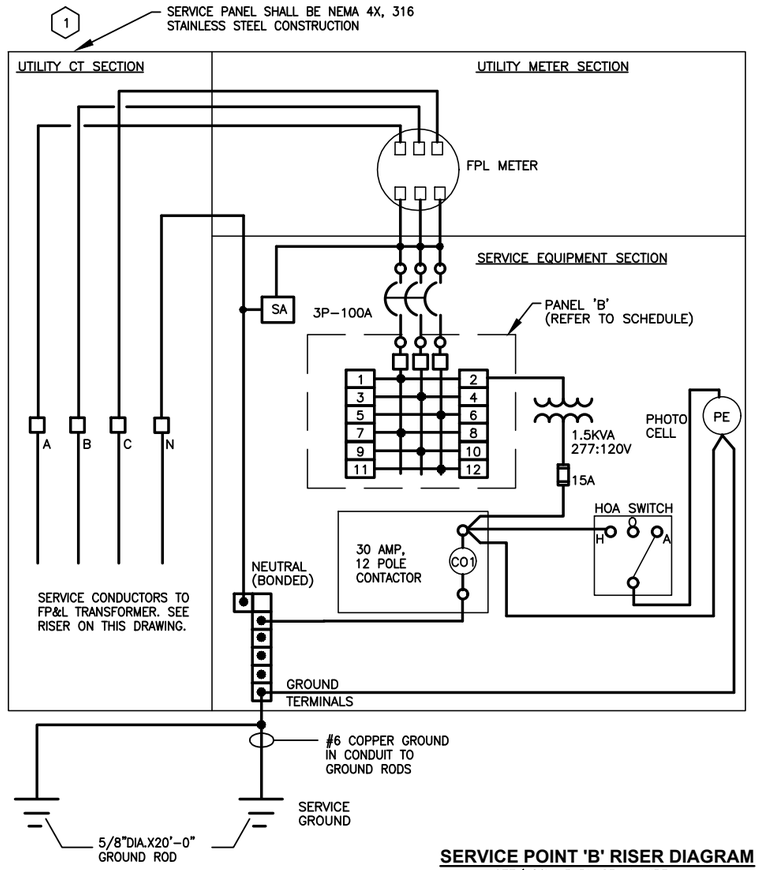
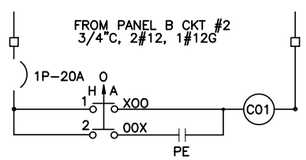
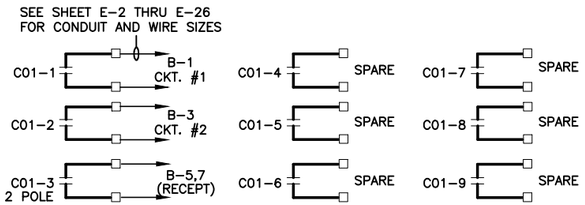


SERVICE POINT 'B' RISER DIAGRAM
277/480V, 3 PHASE, 4 WIRE



CONTRACTOR SHALL PROVIDE AND INSTALL ELECTRICALLY HELD LIGHTING CONTACTORS, 120V, 1P COIL, 30A 277V RATED CONTACTS IN NEMA 1 ENCLOSURE. MAKE ALL NECESSARY CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.



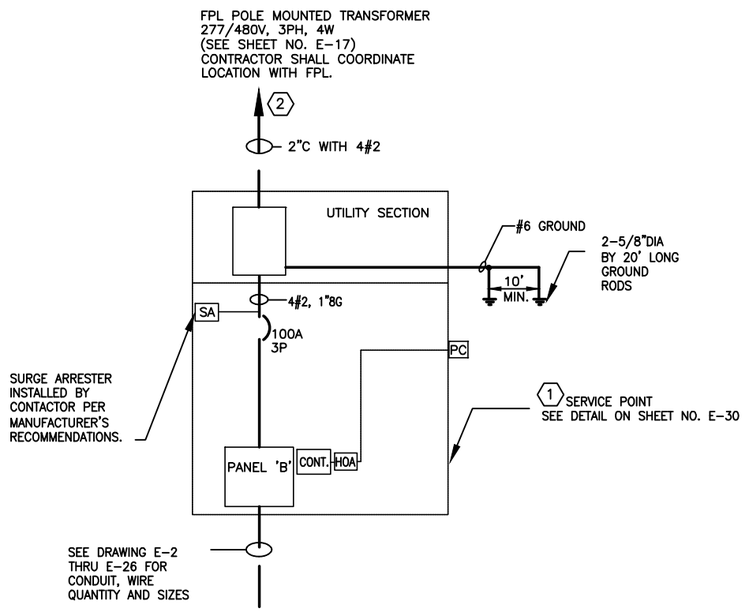
LIGHTING CONTROL SCHEMATIC
SCALE: NONE

SERVICE POINT 'B' DATA

DESCRIPTION	TOTAL AMPS	TOTAL KVA
PANEL LOAD	27.8	23.1

CURRENT SERVICE CALCULATION
(27.8A X 1.25) = 34.8A

THEREFORE, THE 100A MAIN BREAKER IS ADEQUATE



SERVICE POINT 'B' ONE LINE DIAGRAM
277/480V, 3 PHASE, 4 WIRE

PANELBOARD "B" SCHEDULE

WIRE	BUS AMPS A	B	C	LOAD	POLES	AMPS	BUS A B C	AMPS	POLES	LOAD	BUS AMPS A	B	C	WIRE
6	7.5			LANDSCAPE LTG. CKT#1	1	20	1 2	15	1	CONTROL TRANSF.	5.4			12
6		7.5		LANDSCAPE LTG. CKT#2	1	20	3 4	30	3	IRRIGATION PUMP 10HP		14.0		4
6			10.5	LANDSCAPE RECEPT.	2	20	5 6						14.0	4
6	10.5						7 8				14.0			4
				SPARE	1	20	9 10			SPACE				
				SPARE	1	20	11 12			SPACE				

TOTAL AMPS: BUS A 37.4 BUS B 21.5 BUS C 24.5 CONNECTED Kva 23.1

RATED VOLTAGE: ■ 277/480 □ _____ 3 PHASE, 4 WIRE		BRANCH POLES ■12 □ 18 □ 20 □ 24 □ 30 □ 36 □ 42	
RATED AMPS: ■ 100 □ 150 □ 200 □ _____		CABINET ■ SURFACE □ FLUSH	
FULL NEUTRAL BUS	■ GROUND BUS ■ HINGED DOOR	□ KEYED DOOR LATCH	ENCLOSURE TYPE NEMA 1
□ FUSED ■ CIRCUIT BREAKER (BOLT-ON) BRANCH DEVICE		FEED IS TO BE ■ BOTTOM □ TOP	
■ MAIN LUGS ONLY	MAIN _____ AMPS □ BREAKER □ FUSED SWITCH	□ _____ TO BE GFI BREAKERS	
ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT ISC OF __42,000 AMPS SYMMETRICAL			
APPROVED MF'RS SQUARE D, GE			

NOTE:
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KEYED NOTES :

1. PROVIDE AND INSTALL 277/480V, 3 PHASE, 4W, 100 AMP SERVICE PANEL COMPLETE AS PER DETAIL ON SHEET E-30. CONTRACTOR SHALL COORDINATE THE FPL SERVICE BEFORE BIDDING WITH FLORIDA POWER & LIGHT (FPL) AND SHALL BE RESPONSIBLE FOR ALL EXPENSES FOR A COMPLETE INSTALLATION IN PLACE. SERVICE PANEL SHALL BE TESCO, CAT. #27-000 (METERED) OR APPROVED EQUAL. SERVICE PANEL SHALL INCLUDE UTILITY SECTION, CT SECTION, METER SECTION, 100 AMP 277/480V, 3ø PANEL, CIRCUIT BREAKERS AS PER PANEL SCHEDULE, SERVICE ENTRANCE MAIN BREAKER, SURGE ARRESTOR, SECURITY EQUIPMENT SECTION, MISCELLANEOUS CONTROL AND ALL WIRING AND CONDUIT FOR A COMPLETE WORKING SYSTEM IN PLACE.
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5. CONTRACTOR SHALL VERIFY WITH FPL PRIOR TO ORDERING PANEL FOR PLACING THE METER WITHIN THE UTILITY SECTION. IF REQUIRED THE METER SHALL BE INSTALLED ON THE EXTERIOR OF THE CABINET. ALL COST MODIFICATIONS SHALL BE INCLUDED IN THE COST OF THE CABINET.

FAULT CURRENT CALCULATIONS:

TOTAL CONNECTED LOAD = 23.1 KVA

LARGEST ASSUMED UTILITY TRANSFORMER = 300 KVA
= 360A @ 480V, 3ø

SMALLEST ASSUMED TRANSFORMER IMPEDANCE = 3.5%
= 0.035 p.u.

MAX. AVAILABLE 3ø SYMMETRICAL FAULT CURRENT:
(1÷ 0.035) x 360A = 10,286A

THEREFORE A MIN. 25,000 AIC RATING IS ADEQUATE

NOTE:

1. CONFIRM THE ABOVE WITH THE POWER UTILITY PRIOR TO ORDERING EQUIPMENT. ADVISE THE ENGINEER OF ANY DISCREPANCIES.

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LARRY MICHAEL SMITH No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
SERVICE POINT 'B' SINGLE LINE DIAGRAM

SHEET NO. E-28

T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
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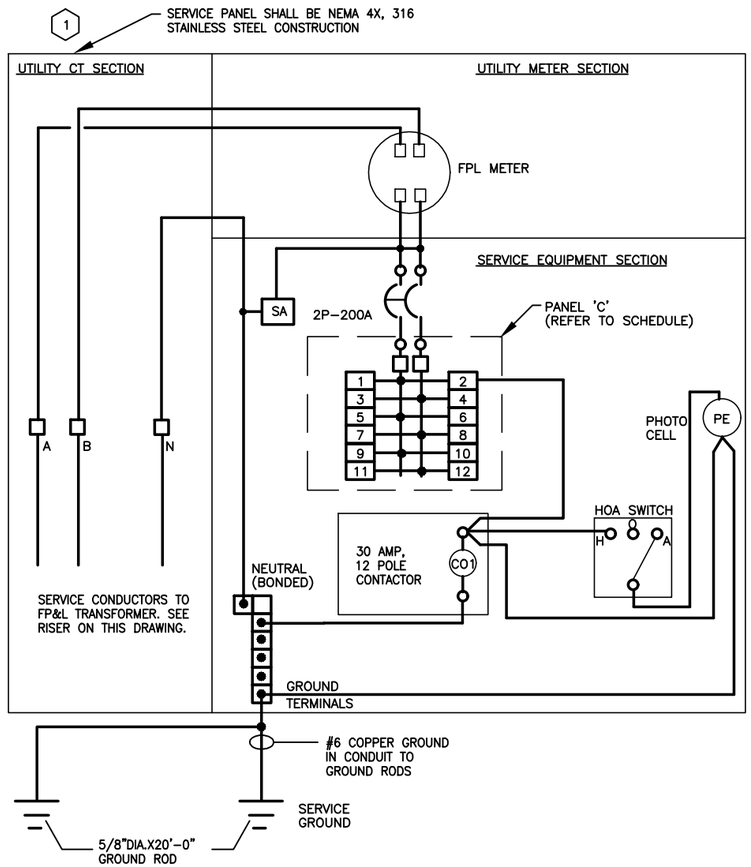
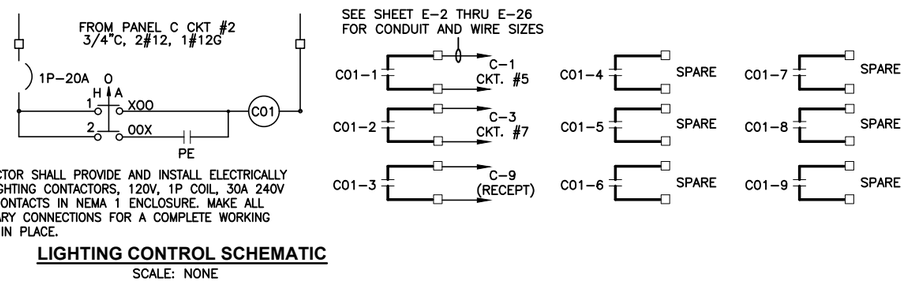


SERVICE POINT 'C' RISER DIAGRAM

120/240V, 1 PHASE, 3 WIRE



LIGHTING CONTROL SCHEMATIC

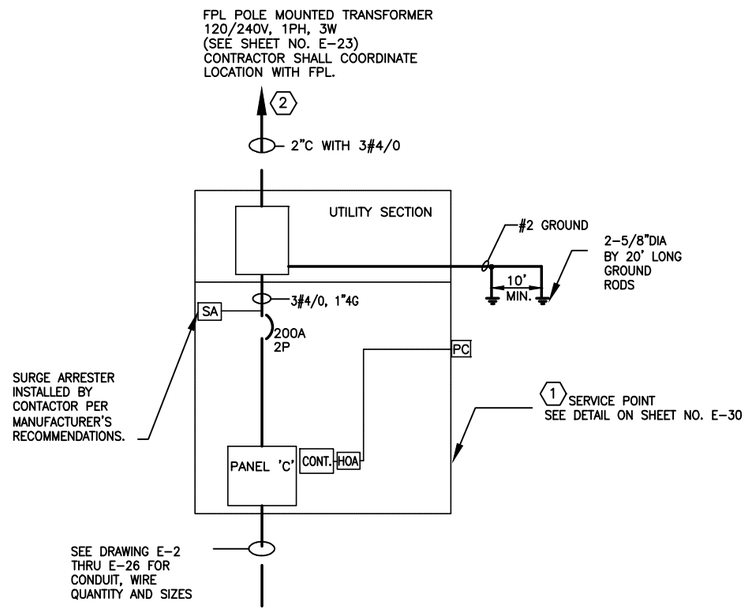
SCALE: NONE

SERVICE POINT 'B' DATA

DESCRIPTION	TOTAL AMPS	TOTAL KVA
PANEL LOAD	99.0	23.8

CURRENT SERVICE CALCULATION
(99.0A X 1.25) = 123.8A

THEREFORE, THE 200A MAIN BREAKER IS ADEQUATE



SERVICE POINT 'C' ONE LINE DIAGRAM

120/240V, 1 PHASE, 3 WIRE

KEYED NOTES :

1. PROVIDE AND INSTALL 120/240V, 1 PHASE, 3W, 200 AMP SERVICE PANEL COMPLETE AS PER DETAIL ON SHEET E-30 CONTRACTOR SHALL COORDINATE THE FPL SERVICE BEFORE BIDDING WITH FLORIDA POWER & LIGHT (FPL) AND SHALL BE RESPONSIBLE FOR ALL EXPENSES FOR A COMPLETE INSTALLATION IN PLACE. SERVICE PANEL SHALL BE TESCO, CAT. #27-000 (METERED) OR APPROVED EQUAL. SERVICE PANEL SHALL INCLUDE UTILITY SECTION, CT SECTION, METER SECTION, 200 AMP 120/240V, 1ø PANEL, CIRCUIT BREAKERS AS PER PANEL SCHEDULE, SERVICE ENTRANCE MAIN BREAKER, SURGE ARRESTOR, SECURITY EQUIPMENT SECTION, MISCELLANEOUS CONTROL AND ALL WIRING AND CONDUIT FOR A COMPLETE WORKING SYSTEM IN PLACE. www.tescocontrols.com
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NOTES:

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2. CONTRACTOR SHALL PROVIDE ALL CIRCUIT BREAKERS, INTERIOR WIRING, GROUNDING RODS, ETC. FOR A COMPLETE WORKING SYSTEM IN PLACE.
3. SERVICE POINT CABINET SHALL BE NEMA 4X, 316 STAINLESS STEEL.
4. SERVICE POINT CABINET SHALL BE BUILT BY AN APPROVED UL SHOP AND CARRY A UL LABEL ON THE PANEL AND EQUIPMENT.
5. CONTRACTOR SHALL VERIFY WITH FPL PRIOR TO ORDERING PANEL FOR PLACING THE METER WITHIN THE UTILITY SECTION. IF REQUIRED THE METER SHALL BE INSTALLED ON THE EXTERIOR OF THE CABINET. ALL COST MODIFICATIONS SHALL BE INCLUDED IN THE COST OF THE CABINET.

FAULT CURRENT CALCULATIONS:

TOTAL CONNECTED LOAD = 23.1 KVA

LARGEST ASSUMED UTILITY TRANSFORMER = 50 KVA
= 208A @ 240V, 1ø

SMALLEST ASSUMED TRANSFORMER IMPEDANCE = 3.5%
= 0.035 p.u.

MAX. AVAILABLE 3ø SYMMETRICAL FAULT CURRENT:
(÷ 0.035) x 208A = 5,943A

THEREFORE A MIN. 10,000 AIC RATING IS ADEQUATE

NOTE:

1. CONFIRM THE ABOVE WITH THE POWER UTILITY PRIOR TO ORDERING EQUIPMENT. ADVISE THE ENGINEER OF ANY DISCREPANCIES.

PANELBOARD "C" SCHEDULE

WIRE	BUS AMPS A	BUS AMPS B	LOAD	POLES	AMPS	BUS A	BUS B	AMPS	POLES	LOAD	BUS AMPS A	BUS AMPS B	WIRE
3/0	42.3		PANEL "SP1" (FUTURE)	2	100	1	2	15	1	CONTROL TRANSF.	5.4		12
3/0		42.3	⊥ ⊥ ⊥	⊥	⊥	3	4	80	2	IRRIGATION PUMP 10HP		50.0	2
6	2.0		LANDSCAPE LIGHTING	2	20	5	6	⊥	⊥	⊥ ⊥	50.0		2
6		2.0	⊥ ⊥ ⊥	⊥	⊥	7	8			SPACE			
6	4.5		LANDSCAPE RECEPT.	1	20	9	10			SPACE			
			SPARE	1	20	11	12			SPACE			

TOTAL AMPS: BUS A 103.7 BUS B 94.3 CONNECTED Kva 23.8

RATED VOLTAGE: ■ 120/240 ☐ _____ 3 PHASE, 4 WIRE				BRANCH POLES ■12 ☐ 18 ☐ 20 ☐ 24 ☐ 30 ☐ 36 ☐ 42	
RATED AMPS: ☐ 100 ☐ 150 ■ 200 ☐ _____			CABINET ■ SURFACE ☐ FLUSH		
FULL NEUTRAL BUS	■ GROUND BUS	■ HINGED DOOR	☐ KEYED DOOR LATCH	ENCLOSURE TYPE NEMA 1	
☐ FUSED ■ CIRCUIT BREAKER (BOLT-ON) BRANCH DEVICE			FEED IS TO BE ■ BOTTOM ☐ TOP		
■ MAIN LUGS ONLY	MAIN _____ AMPS ☐ BREAKER	☐ FUSED SWITCH	☐ _____ TO BE GFI BREAKERS		
ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT ISC OF __10,000 AMPS SYMMETRICAL					
APPROVED MF'RS SQUARE D, GE					

NOTE:

ONLY PHASE CONDUCTOR SIZES ARE SHOWN ON SCHEDULES. PROVIDE NEUTRAL CONDUCTORS SAME SIZE AS PHASE CONDUCTORS WHERE REQUIRED. PROVIDE GROUND CONDUCTORS PER NEC IN ALL CONDUITS. SIZE CONDUITS PER NEC.

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LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/02/22
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH LICENSE No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826

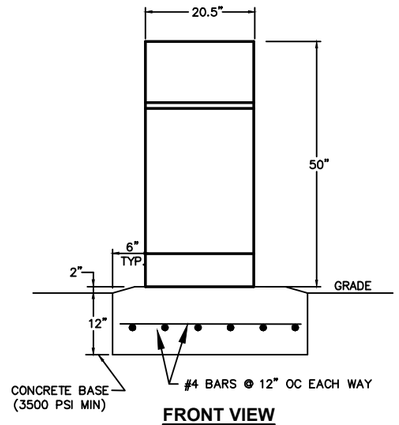
SERVICE POINT 'C' SINGLE LINE DIAGRAM

SHEET NO. E-29

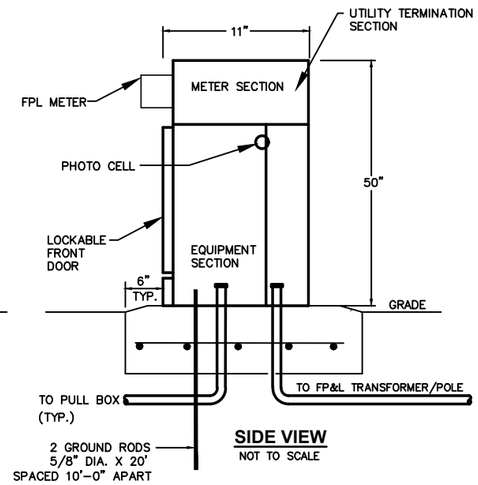
T:\SEC 2018\S18002 K&S- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG

GENERAL ELECTRICAL NOTES AND SPECIFICATIONS:

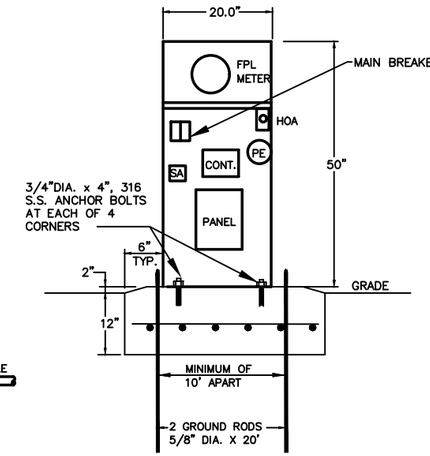
1. THE SCOPE OF WORK SHALL CONSIST PRIMARILY OF THE FOLLOWING:
   A. PROVIDE AND INSTALL LANDSCAPE LIGHTING COMPLETE
   B. PROVIDE AND INSTALL CONDUIT AND WIRE COMPLETE
   C. PROVIDE AND INSTALL SERVICE POINTS COMPLETE
2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE, LATEST ADOPTED NATIONAL ELECTRICAL SAFETY CODE, LOCAL CODES, CITY CODES AND THE 2020 (7TH EDITION) FLORIDA BUILDING CODE.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS AND TO INCLUDE ALL FEES AS PART OF HIS BID IF NOT OTHERWISE NOTED.
5. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OWNER & ENGINEER.
6. THE CONTRACTOR SHALL, BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
7. ALL EQUIPMENT AND MATERIAL SHALL BE UNUSED AND U.L. LISTED. ALL REFERENCES TO A PARTICULAR MANUFACTURER ARE GIVEN ON AN "APPROVED EQUAL" BASIS UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS INSTALLED OR MODIFIED UNDER THIS PROJECT AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER.
9. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
10. ALL CONDUCTORS SHALL BE COPPER. NO ALUMINUM ALLOWED UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
11. THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT RUNS. THESE ARE TO BE COORDINATED WITH THE OTHER TRADES SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATIONS.
12. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
13. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH NEC, ARTICLE 250. THE GROUNDING SYSTEM TEST SHALL NOT EXCEED A 48 HOUR SPAN DRY RESISTANCE OF 5 OHMS. ADDITIONAL GROUNDING TO MEET THIS REQUIREMENT SHALL BE INSTALLED AT NO EXTRA COST. GROUNDING AND BONDING CONNECTIONS SHALL NOT BE PAINTED. ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMIC WELDED UNLESS SPECIFICALLY INDICATED OTHERWISE.
14. AN EQUIPMENT GROUND WIRE SIZED PER NEC SHALL BE PULLED IN ALL ELECTRICAL CONDUITS, POWER AND CONTROL, WHETHER OR NOT INDICATED ON THE PLANS.
15. PROVIDE CONDUIT DUCT SEAL AT ALL CONDUIT ENDS.
16. CONTRACTOR SHALL, WITHIN 30 DAYS AFTER THE DATE OF THE SYSTEM ACCEPTANCE, PROVIDE TO THE BUILDING OWNER RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING A SINGLE LINE DIAGRAM OF THE ELECTRICAL DISTRIBUTION SYSTEM AND RELATED FLOOR PLANS INDICATING THE LOCATION AND AREA SERVED FOR THE DISTRIBUTION.
17. CONTRACTOR SHALL PROVIDE TO THE OWNER AN OPERATING AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION C405.5.4.2 OF THE 2020 7TH ED. FLORIDA BUILDING CODE – ENERGY CONSERVATION, INCLUDING ANY AMENDMENTS THERETO.
18. CONDUIT SHALL BE SCHEDULE 40 PVC CONDUIT.
19. POWER WIRING SHALL BE 600V THHN/THWN, COPPER.
20. CONTRACTOR SHALL RESTORE SIDEWALKS, ROADWAYS, SOD AND SPRINKLER SYSTEM PIPING TO MATCH EXISTING, AFTER THE COMPLETION OF THE CONDUIT AND PULLBOX INSTALLATION.
23. ELECTRICAL PULL BOXES SHALL BE SUPPLIED WITH PVC JUNCTION BOXES AND A STEEL TRAFFIC–RATED COVER MARKED "ELECTRICAL" OR "SIGNAL".
24. ALL SPARE CONDUITS SHALL BE CAPPED WITH A PVC CAP AND A NYLON PULL STRING INSTALLED WITH IDENTIFICATION ON BOTH ENDS.
21. COLORED WARNING TAPE 6" WIDE SHALL BE INSTALLED 12" BELOW FINISHED GRADE DIRECTLY ABOVE ALL UNDERGROUND CONDUITS.



FRONT VIEW
NOT TO SCALE



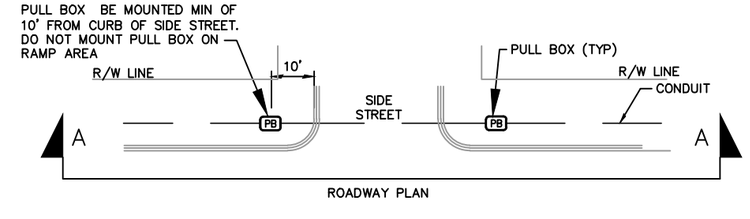
SIDE VIEW
NOT TO SCALE



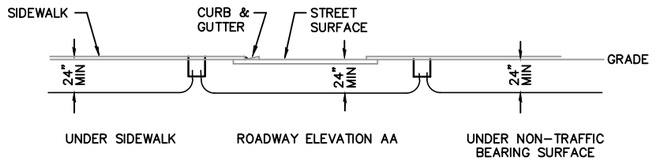
INTERIOR VIEW
NOT TO SCALE

NOTE: ALL INSTALLATIONS SHALL BE SUITABLE FOR WIND LOAD IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. THE CONTRACTOR SHALL INCLUDE WITH THE SHOP DRAWING SUBMITTAL, A WIND LOADING CALCULATION SEALED BY A STRUCTURAL ENGINEER REGISTERED IN FLORIDA SHOWING THAT THE PROPOSED INSTALLATION WILL MEET THE WIND LOADING REQUIREMENT.

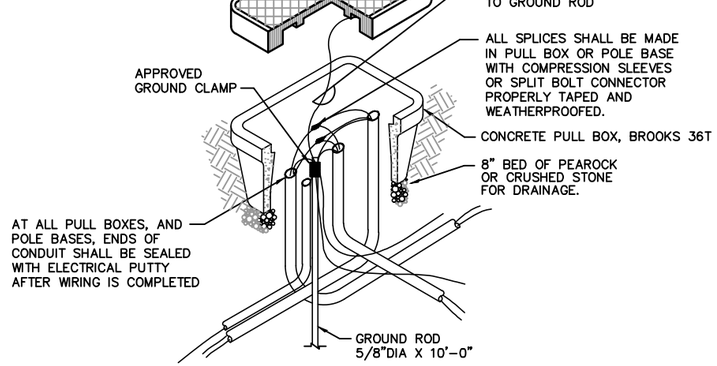
SERVICE POINT DETAIL
NOT TO SCALE



ROADWAY PLAN



ROADWAY CONDUIT & PULL BOX LAYOUT
N.T.S.



ELECTRICAL PULL BOX DETAIL
N.T.S.

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
DATE 09–23–21
SCALE NONE
DESIGNED BY SPH
DRAWN BY SPH
CHECKED BY LMS

KCI ENGINEERS | PLANNERS | SCIENTISTS CONSTRUCTION MANAGERS
6500 N. Andrews Avenue • Fort Lauderdale, FL 33309
954.776.1616 • www.kci.com
CERTIFICATE OF AUTHORIZATION NO. 4898

PROFESSIONAL ENGINEER OF RECORD:
LARRY M. SMITH
45997
(FOR THE FIRM) DATE: 02/07/22
CERTIFICATE OF AUTHORIZATION NO. 8228

LARRY MICHAEL SMITH — LICENSE No. 45997 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
SERVICE POINT DETAIL AND ELECTRICAL NOTES

SHEET NO. E-30

SEC Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

2/2/2022 2:29 PM; Layout Tab: E-30; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

DENALI SERIES™ FLOODLIGHT

BKSSL 12-24W LED

PROJECT:
TYPE:
CATALOG NUMBER:
SOURCE:
NOTES:

CATALOG NUMBER LOGIC

DE | LED | X66 | SP | BLP | 12 | A-MOD | KNU

Example: DE - LED - x58 - FL - SAP - 12 - 11 - C

Series
DE - Denali Series™ Floodlight

Source
LED - 'X' Module with Cold Phosphor Technology

LED Type
x58 - 12WLED/2.7K x61 - 20WLED/2.7K x64 - 24WLED/2.7K
x59 - 12WLED/3K x62 - 20WLED/3K x65 - 24WLED/3K
x60 - 12WLED/4K x63 - 20WLED/4K x66 - 24WLED/4K

Optics
SP - Spot (15°) FIXTURE TYPE 'A'
FL - Flood (35°) FIXTURE TYPE 'B'
WFL - Wide Flood (60°)

Finish

Configure Driver Housing Separately
Driver Housing Required

INTEGRAL DRIVER HOUSINGS:
HP2 - HP2 Housing
PM2 - Universal Power Module 2
PM2D - Universal Power Module 2 Dual
PC - Power Canopy
PPII - Power Pipe II
TMB - Pole Mount or Tenon Mount

REMOTE DRIVER HOUSINGS:
HP2RM - HP2 Remote Housing
PM2RM - Universal Power Module 2 Remote
PM2DRM - Universal Power Module 2 Dual Remote
RM - Remote Wall Mount
DRM - Dual Remote Wall Mount

Aluminum Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Premium Finish

ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCP	Old Copper		Also available in RAL Finishes See submittal SUB-1439-00

Lens Type
9 - Clear (Standard) 10 - Spread Lens* 12 - Soft Focus Lens* 13 - Rectilinear Lens*

Shielding
11 - Honeycomb Baffle*
*Accommodates up to 2 Lens/Shielding media

Cap Style
A - 45° B - 90° C - Flush D - 45° less Weep Hole (Interior Use Only) E - 90° less Weep Hole (Interior Use Only)

LM79 DATA / L70 DATA

BK No.	LUMENS (Source)	CCT (Typ.)	CRI (Ra. Typ.)	Inpus Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L70)
x58	1300	2700K	80	12W	50,000
x59	1300	3000K	80	12W	50,000
x60	1300	4000K	80	12W	50,000
x61	2000	2700K	80	20W	50,000
x62	2000	3000K	80	20W	50,000
x63	2000	4000K	80	20W	50,000
x64	3100	2700K	80	24W	50,000
x65	3250	3000K	80	24W	50,000
x66	3360	4000K	80	24W	50,000

OPTICAL DATA

Beam Type	Angle	CBCP x60	CBCP x63	CBCP x66
Spot	15°	4561	7800	17042
Flood	35°	1762	2880	5061
Wide Flood	60°	740	1152	1649

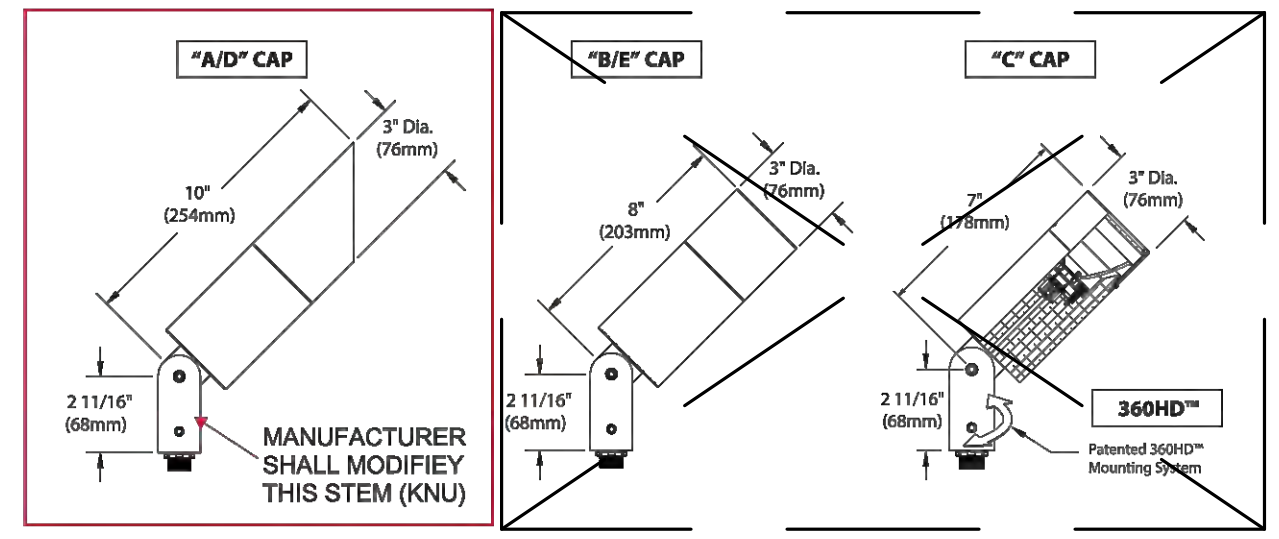
B-K LIGHTING | 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com | RELEASED 12-15-16 | DRAWING NUMBER SUB001113

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

DENALI SERIES™ FLOODLIGHT

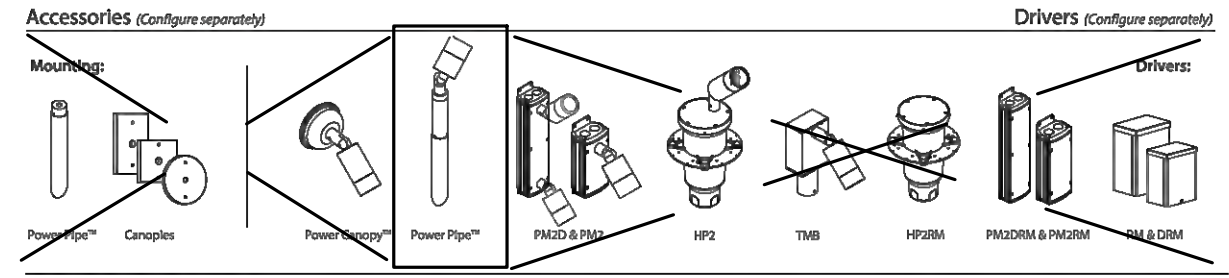
BKSSL 12-24W LED

PROJECT:
TYPE:



All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

Accessories (Configure separately) Drivers (Configure separately)



SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials
Furnished in Copper-Free Aluminum (Type 6061-T6).

Body
Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
Patented 360HD™ Mounting System features a mechanical taper-lock, which allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. ½" pipe thread for mounting. Biaxial source control additionally provides 360° horizontal rotation in addition to vertical adjustment. 'Aim-And-Lock' Technology allows precision adjustment without the redundant tightening and loosening of knuckle screw.

Cap
Fully machined. Accommodates [2] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 1" deep bezel with 90° cutoff ('B' or 'E') or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

BKSSL®
Integrated solid state system with 'x' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance.

LM-80 certified. Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

Color Management
Corrected cold phosphor technology delivers near-perfect natural white light. Long term phosphor maintenance over product life. Exact color point conformity exceeds ANSI C78.377 standard. Provides uniform beam with no color variation over angle. Module exceeds 80 CRI (RA>80, R9>16).

Remote Driver
For use with remote LED driver. See remote driver submittal to determine remote distance and wiring requirements prior to detailing field installation of any remote wiring.

Optics
Interchangeable OPTIKIT™ modules permit field changes to optical distribution.

Wiring
Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper-resistant, stainless steel hardware. 360HD™ hardware is additionally black oxide treated for additional corrosion resistance.

Finish
StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

Warranty
5 year limited warranty.

Certification and Listing
UL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Additionally suitable for installation within 4' of the ground. IP66 Rated. Made in USA.

RoHS USA

*Teflon is a registered trademark of DuPont Corporation.
*Energy Star is a registered trademark of the United States Environmental Protection Agency.

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360HD Patent is covered in whole or in part by U.S. Patent No. 6,161,948

POWER PIPE II™ SYSTEM

BKSSL Constant Current Driver

PROJECT:
TYPE:
CATALOG NUMBER:
SOURCE:
NOTES:

CATALOG NUMBER LOGIC

PPII | J25 | D24INC | B | MT | SF

Example PPII - S12 - D20INC - B - MT - SF

Series
PPII - Power Pipe II™ System (Specify Fixture Separately)

Type
S12 - 12" Stake*
J12 - 12" Junction Box*
J25 - 25" Junction Box (Fixture 12" AFG)
S18 - 18" Stake*
J18 - 18" Junction Box*
J36 - 36" Junction Box (Fixture 18" AFG)
* Includes 12" or 18" Power Pipe with Driver Housing

Driver Type
For use with Incandescent Dimmer. 120V only for Dimming:
D12INC - 12W Dimming Driver
D20INC - 20W Dimming Driver
D24INC - 24W Dimming Driver

Cap Style
B - Single Hole Cap

Input Voltage
MT - 120-277 VAC Input

Option
SF - Stability Flange

DRIVER ELECTRICAL DATA

TYPE	AC INPUT RANGE	FREQUENCY HZ	DIMMING	POWER FACTOR AT FULL LOAD	THD	OPERATING AMBIENT TEMPERATURE	DIMMER TYPE	DIMMER RANGE	IN RUSH CURRENT
D12INC	105-305	50/60	YES	>0.94	≤5%	-30°C to 50°C (-22°F to 122°F)	Incandescent	10-100%	<250mA
D20INC	105-305	50/60	YES	>0.94	≤5%	-30°C to 50°C (-22°F to 122°F)	Incandescent	10-100%	<250mA
D24INC	100-277	50/60	YES	>0.90	≤20%	-30°C to 60°C (-22°F to 140°F)	Incandescent	10-100%	<10A

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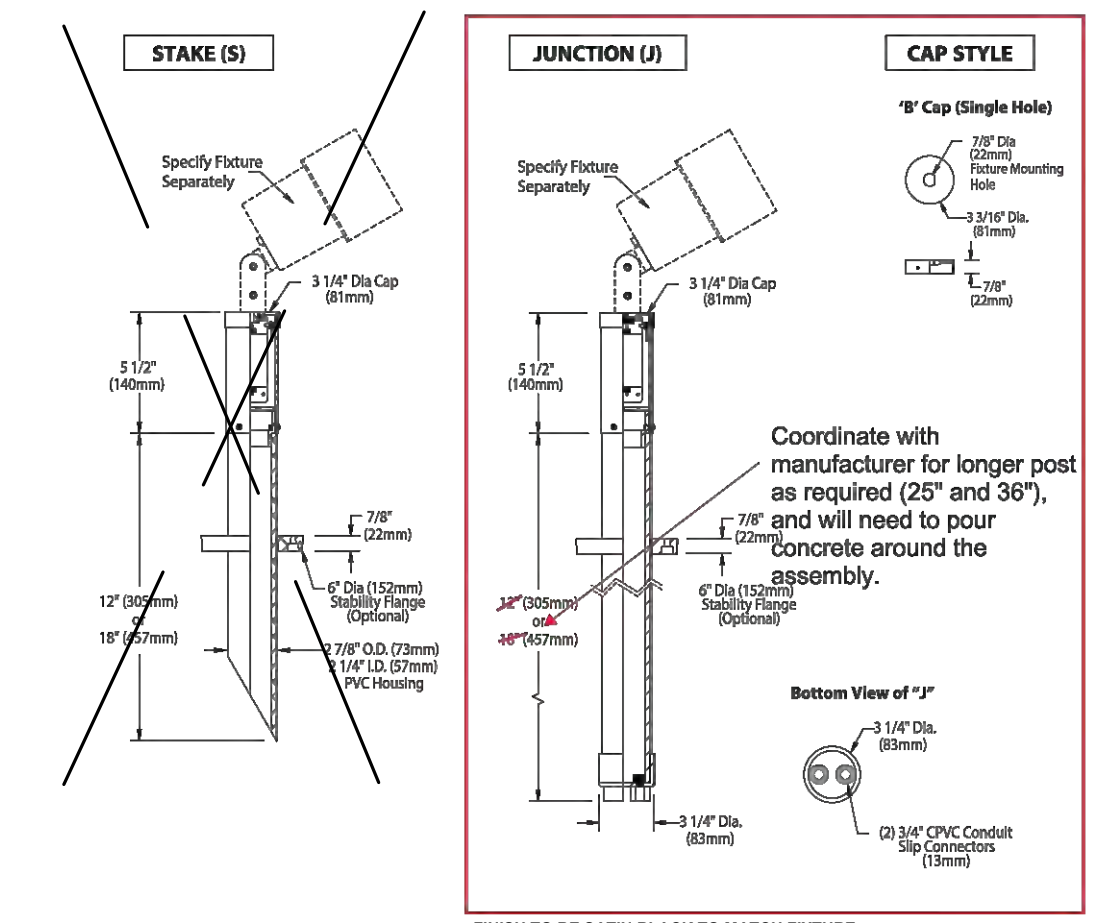
POWER PIPE II™ SYSTEM

BKSSL Constant Current Driver

PROJECT:
TYPE:



FINISH TO BE SATIN BLACK TO MATCH FIXTURE

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

SPECIFICATIONS

GreenSource Initiative™
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Installation
Provides a clean, architectural transition from wiring system to fixture. 2" Schedule 80 PVC pipe. For direct burial into soil or concrete. Available in 12" or 18" length. Available in two installation types:

Stake (Type S)
60° angled bottom designed for use with conduit.

Junction Box (Type J)
Includes [2] 3/4" PVC slip connectors for branch circuit wiring.

Stability Flange
Optional 6" diameter, molded stability flange simplifies installation and projects into substrate to simplify installation and reinforce housing stability.

Cap Style
Machined from copper-free aluminum. Single Hole ('B') cap styles.

Driver Housing
Fully machined from copper-free aluminum. Stainless steel hardware. High temperature, silicone 'O' Ring provides watertight seal.

Driver
For use with 700mA (D12, D20, D24), Class A, constant current driver. 120-277VAC (nominal) primary input voltage. 50/60Hz. >0.94 Power Factor, <10.0A in-rush current, 0.25A input current, ≤5%THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC: FCC47CFR Part 15 Class B compliant. Dimming driver for use with standard incandescent dimmers. 10-100% range.

Wiring
Teflon® coated wire, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper resistant, stainless steel hardware.

Finish
StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Finish to match fixture (specified separately.)

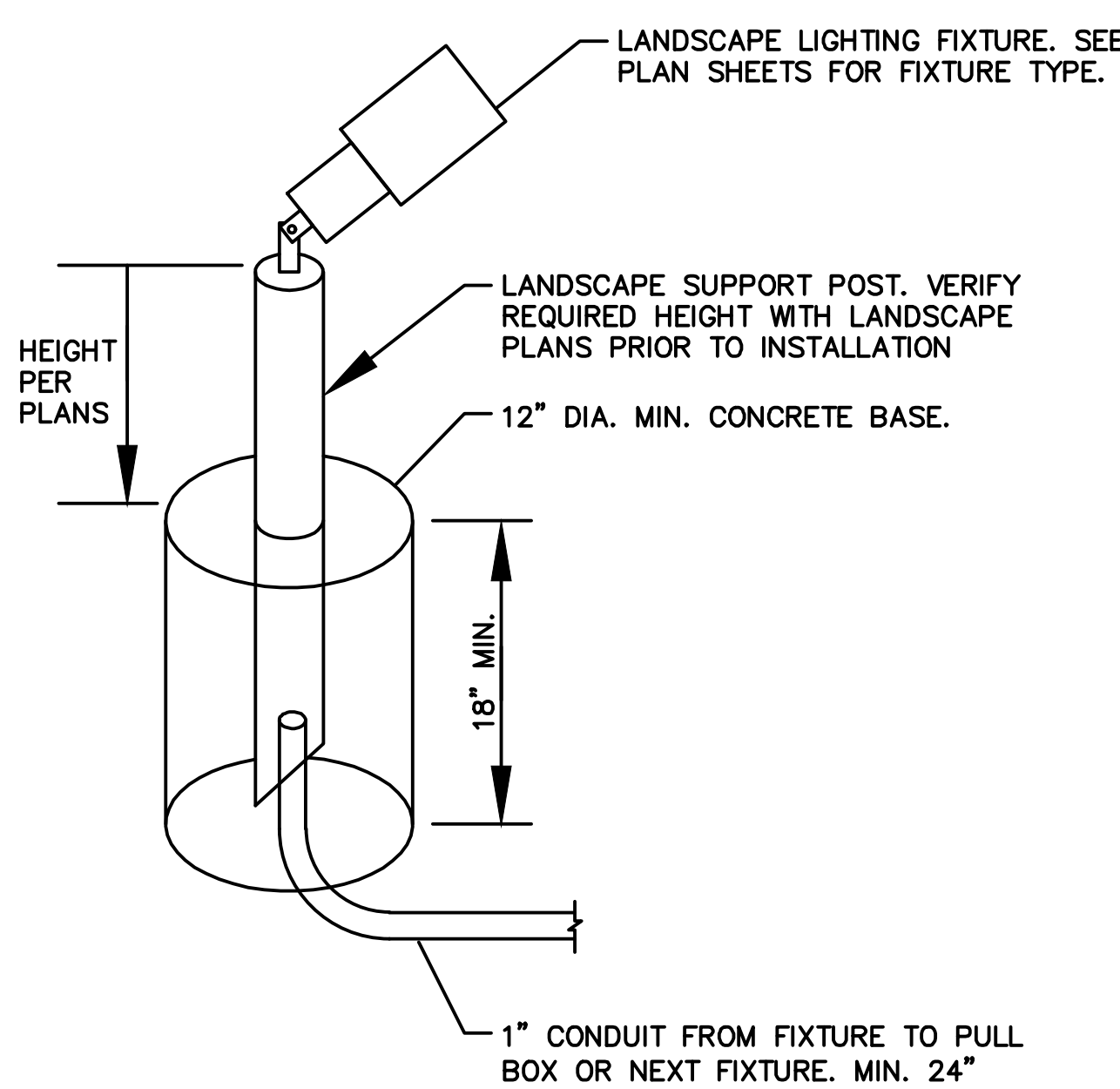
Warranty
5 year limited warranty.

Listings
UL Listed. Certified to CAN/CSA/ANSI Standards. RoHs compliant. Made in USA.

RoHS USA

*Teflon is a registered trademark of DuPont Corporation

B-K LIGHTING | 40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com | RELEASED 12-15-16 | DRAWING NUMBER SUB001126



LANDSCAPE LIGHTING FIXTURE - TYPE 'A' & 'B'

N.T.S.

NOTES:

1. FIXTURE TYPE 'A' IS A SPOT CAT. # DD–LED–X66–SP–BLW–12–A–MOD–KNU
   FIXTURE TYPE 'B' IS A FLOOD CAT. # DD–LED–X66–FL–BLW–12–A–MOD–KNU
   (CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ENGINEERING FOR FIXTURE HEIGHT PRIOR TO ORDERING.)
   FIXTURE POST CAT. # PP2–J25–D24INC–B–MT–SF (FIXTURE 12" AFG.)
   FIXTURE POST CAT. # PP2–J36–D24INC–B–MT–SF (FIXTURE 18" AFG.)
2. CONTRACTOR SHALL STAKE LOCATIONS OF THE LIGHTING FIXTURES AND NOTIFY THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF LIGHTING CONDUITS AND BASES.

SEC Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

PROJECT BASE INFORMATION: R/W AND BASE INFORMATION OUTSIDE OF MEDIANS ARE FROM HISTORICAL FILES AND ARE FOR REFERENCE ONLY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT NO: 18193.05
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SCALE NONE
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PROFESSIONAL ENGINEER OF RECORD
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LARRY MICHAEL SMITH LICENSE No. 45997 STATE OF FLORIDA PROFESSIONAL ENGINEER

DORAL BOULEVARD
NW 97TH AVENUE TO SR 826
LANDSCAPE LIGHTING DETAILS

SHEET NO. E-31



* Representative Image

T253008S

by Acme Electric
Catalog ID: T253008S

Prop65_Cancer&Reproductive

Low Voltage Distribution Transformer - Single Phase, 240X480 - 120/240V, 0.5kVA

- Quite operation with sound levels below NEMA standards
- Electrostatic shield for enhanced protection

Product Details

General

Construction	Encapsulated
Electrostatic Shield	Shielded
Max Temperature Rise	115 Degrees Celsius
Mounting Type	Wall
Primary Voltage	240 X 480
Product Category	Dry Type Distribution Transformer
Secondary Voltage	120/240 V
UL Insulation Class	155°C
UPC	047503085066
Winding Material	CU
kVA	0.5

Dimensions

Height	9.06 in
Length	4.2 in
Weight	15 lb
Width	4.37 in

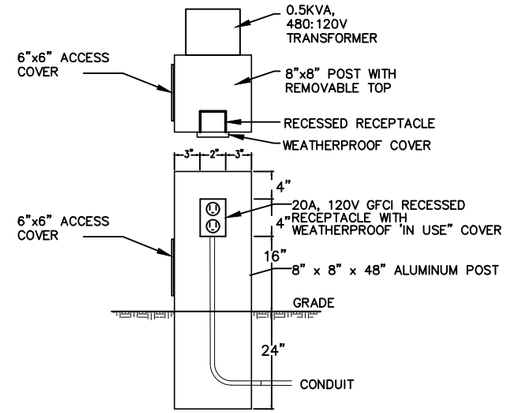
Electrical Ratings

Frequency Rating	50/60 Hz
Primary Voltage	240 X 480 V

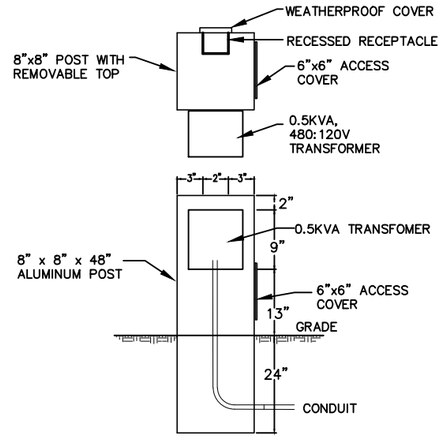
Certifications and Compliance

CSA Standard	C22.2 No. 47
Nema Rating	NEMA 3R
UL Standard	UL 506

https://www.hubbell.com/acmeelectric/en/Products/Electrical-Electronic/Power-Quality-C... 3/27/2019



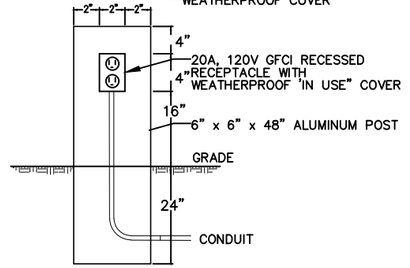
RECEPTACLE POST DETAIL WITH TRANSFORMER
N.T.S.



RECEPTACLE POST NOTES:
N.T.S.

NOTES:

1. POST WITH TRANSFORMER SHALL BE PROVIDED WITH 0.5KVA, 480:240/120 VOLT, SINGLE PHASE TRANSFORMER. NEMA 3R ENCLOSURE.
2. POST WITH TRANSFORMER SHALL BE PROVIDED TWO INLINE FUSE HOLDERS WITH 5 AMP FUSES ON THE 480 VOLT SIDE OF TRANSFORMER. FUSE HOLDERS SHALL BE INSTALLED IN HANDHOLD OF POST BEHIND THE 6"X6" COVER.
3. PROVIDE INLINE FUSE HOLDER WITH 10 AMP FUSES ON THE 120 VOLT SIDE OF AHEAD OF THE RECEPTACLE. FUSE HOLDER SHALL BE INSTALLED IN HANDHOLD OF POST BEHIND THE 6"X6" COVER.
4. RECEPTACLE POST SHALL BE MINIMUM .188" WALL, SQUARE ALUMINUM TUBE.
5. POST SHALL BE POWDER COATED BLACK.
6. RECEPTACLE POST MANUFACTURED BY ARTEC MANUFACTURING (305) 888-4375) OR APPROVED EQUAL.



RECEPTACLE POST DETAIL
N.T.S.

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West Palm Beach, Fl 33409
(561) 616-3911 fax (561) 616-3912
www.smithengineeringconsultants.com

REVISIONS				PROJECT NO: 18193.05	ENGINEERS | PLANNERS | SCIENTISTS CONSTRUCTION MANAGERS	PROFESSIONAL ENGINEER OF RECORD	DORAL BOULEVARD NW 97TH AVENUE TO SR 826	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE 09-23-21	6500 N. Andrews Avenue • Fort Lauderdale, FL 33309	LARRY M. SMITH 45997	LANDSCAPE RECEPTACLE DETAILS	E-32
				SCALE NONE	954.776.1616 • www.kci.com	(FOR THE FIRM) DATE: 07/27/22		
				DESIGNED BY SPH	KCI CERTIFICATE OF AUTHORIZATION NO. 4898	CERTIFICATE OF AUTHORIZATION NO. 8228		
				DRAWN BY SPH				
				CHECKED BY LMS				

T:\SEC 2018\S18002 K&S-- DORAL BLVD. LANDSCAPE LIGHTING PHASE II\ELECTRICAL DWGS\S18002-E1.DWG
2/2/2022 2:29 PM; Layout Tab: E-32; Pen Table: ----; Plot Created by: STEVE HOCKMAN;

"EXHIBIT D"
CONTRACTOR/PRIME PARTIAL WAIVER AND RELEASE OF LIEN FORM

"For all the right reasons!℠"

CITY OF DORAL — EXHIBIT-D

PUBLIC WORKS DEPARTMENT

PARTIAL WAIVER AND RELEASE OF LIEN
(Contractor/Prime)

LET THE FOLLOWING BE KNOWN:

That the undersigned lienor in consideration of the **Progress** payment in the amount of_____, has been paid in full all amounts due and owed to it by **The City of Doral** and does hereby waive, release and relinquish any and all rights, liens, lien rights, claims or demands of any kind whatsoever, through _____,(date) against **City of Doral** the owner, its officials and/or assignees and its surety if one exists, arising out of or in connection with the following project:

Project No.: _____
Location: _____
County/State: _____

IN WITNESS WHERE OF, I have hereunto set my hand seal this _____day of _____; 20_____

Lienor's Name: _____

By: (sign): _____

Print Name: _____

Title: _____

STATE OF: _____

COUNTY OF: _____

I hereby acknowledge that the statements contained in the foregoing Release of Lien are true and correct to the best of my knowledge and belief.

The foregoing instrument was acknowledged before me, **by means of ☐ physical presence or ☐ online notarization**, this ____ day of _____, __(year), by _____on behalf of _____(lienor) [ ] who is personally known to me or [ ] who produced _____as identification and who [ ] did [ ] did not take an oath.

Notary Signature: _____

Notary Name: _____

My commission expires: _____

"EXHIBIT E"
SUBS/SUPPLIERS PARTIAL WAIVER AND RELEASE OF LIEN FORM

"For all the right reasons!℠"

CITY OF DORAL **EXHIBIT-E**

PUBLIC WORKS DEPARTMENT

PARTIAL WAIVER AND RELEASE OF LIEN
(Sub-Contractor/Supplier)

LET THE FOLLOWING BE KNOWN:

That the undersigned lienor in consideration of the **Progress** payment in the amount of _____, has been paid in full all amounts due and owed to it by _____(Prime Contractor) and does hereby waive, release and relinquish any and all rights, liens, lien rights, claims or demands of any kind whatsoever, through _____, (date) against _____(Prime Contractor) and City of Doral the owner, its successors and/or assigns and its surety if one exists, arising out of or in connection with the following project:

Project No.: _____
Location: _____
County/State: _____

IN WITNESS WHERE OF, I have hereunto set my hand seal this _____day of _____; 20_____

Lienor's Name: _____

By: (sign): _____

Print Name: _____

Title: _____

STATE OF: _____

COUNTY OF: _____

I hereby acknowledge that the statements contained in the foregoing Release of Lien are true and correct to the best of my knowledge and belief.

The foregoing instrument was acknowledged before me, **by means of ☐ physical presence or ☐ online notarization**, this ____ day of _____, __(year), by _____on behalf of _____(lienor) [ ] who is personally known to me or [ ] who produced _____as identification and who [ ] did [ ] did not take an oath.

Notary Signature: _____

Notary Name: _____

My commission expires: _____

"EXHIBIT F"
CHECK LIST OF ITEMS REQUIRED FOR PROGRESS PAYMENT

"For all the right reasons!" SM

CITY OF DORAL — EXHIBIT - F

PUBLIC WORKS DEPARTMENT

Contractor check list of items required for Progress Payment

- ☐ AIA Payment Requisition Form (notarized)
- ☐ Certified Payrolls (if applicable)
- ☐ Copy of Project Schedule (as of date of invoice)
- ☐ Red-Line as-builts (highlighting items invoiced)
- ☐ Partial Release of Lien OR Consent of Surety (2nd invoice on) ***City Form*** (Subs/Suppliers/Prime)
- ☐ Certification of Contractor (2nd invoice on)***City Form***
- ☐ Contractor's Notification List of Suppliers and Subcontractors***City Form***
- ☐ Final Release of Lien ***City Form*** (Subs/Suppliers/Prime)

CEI check list of items required for City process of Progress Payment

- ☐ Letter of recommendation for payment certifying quantities submitted and installed as per Contract Specifications .
- ☐ **Copies will be utilized to initiate payment process.**
  However, **Originals** will be collected prior to payment made by the City. Subsequent payment application will not be processed until Original Copies of previous invoice's executed documents are collected.

"EXHIBIT G"
CITY OF DORAL CERTIFICATION OF CONTRACTOR

"For all the right reasons!"℠

CITY OF DORAL **EXHIBIT-G**

PUBLIC WORKS DEPARTMENT

Certification of Contractor

Contract Number: _____

CERTIFICATION OF THE CONTRACTOR

According to the best of my knowledge and belief, I certify that all work has been performed and materials supplied in full accordance with the terms and conditions of the Contract. I further certify that payments in full have been made by the contractor to all persons, firms and corporations supplying labor, materials or supplies, used directly or indirectly by the contractor or by any subcontractor in the prosecution of the work provided for said contract.

INVOICE NO.: _____
FOR PERIOD ENDING: _____

Date: _____ Contractor: _____
(Print or Type Name of Contractor)

Affix corporate seal if a corporation

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

By: _____
(Signature of Officer, Partner, or Owner)

The foregoing instrument was acknowledged before me, **by means of ☐ physical presence or ☐ online notarization**, this ____ day of _____, __(year), by _____on behalf of _____(lienor) [ ] who is personally known to me or [ ] who produced _____as identification and who [ ] did [ ] did not take an oath.

Notary Signature: _____

Notary Name: _____

My commission expires: _____

"EXHIBIT H"
CITY OF DORAL CONTRACTOR'S NOTIFICATION LIST OF SUPPLIERS AND SUBCONTRACTORS



CITY OF DORAL
PUBLIC WORKS DEPARTMENT

EXHIBIT - H

Contractor's Notification List of Suppliers and Subcontractors

Directions:

The Contractor shall prepare this form by listing only the suppliers who have provided services and materials, and the subcontractors who have worked on this contract during **THIS** invoiced period.

Contractor Name _____

Contract No. _____

Invoice No. _____

Invoice Period: _____

Name of Company	Supplier	Subcontractor
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

Contractor:
According to the best of my knowledge and belief, the above list constitutes a complete listing of all the appropriate suppliers and subcontractors for which we will promptly furnish a duly executed Affidavit and Release from each.

Contractor Representative:

_____ (Sign)

_____ (Title)

_____ (Print Name)

_____ (Date)

City of Doral:
According to the best of our knowledge and belief, we have reviewed the list on this form, which was prepared and submitted by the contractor, and found it to be a complete listing

Inspector:

_____ (Sign)

_____ (Date)

_____ (Print Name)

"EXHIBIT I"
CITY OF DORAL FINAL RELEASE OF LIEN FORM (CONTRACTOR-PRIME)

"For all the right reasons!℠"

CITY OF DORAL **EXHIBIT-I**

PUBLIC WORKS DEPARTMENT

FINAL WAIVER AND RELEASE OF LIEN
(Contractor/Prime)

LET THE FOLLOWING BE KNOWN:

That the undersigned lienor in consideration of the **Final** payment in the amount of_____, has been paid in full all amounts due and owed to it by **The City of Doral** and does hereby waive, release and relinquish any and all rights, liens, lien rights, claims or demands of any kind whatsoever, through _____,(date) against **City of Doral** the owner, its officials and/or assignees and its surety if one exists, arising out of or in connection with the following project:

Project No.: _____
Location: _____
County/State: _____

IN WITNESS WHERE OF, I have hereunto set my hand seal this _____day of _____; 20_____

Lienor's Name: _____

By: (sign): _____

Print Name: _____

Title: _____

STATE OF: _____

COUNTY OF: _____

I hereby acknowledge that the statements contained in the foregoing Release of Lien are true and correct to the best of my knowledge and belief.

The foregoing instrument was acknowledged before me, **by means of ☐ physical presence or ☐ online notarization**, this ____ day of _____, __(year), by _____on behalf of _____(lienor) [ ] who is personally known to me or [ ] who produced _____as identification and who [ ] did [ ] did not take an oath.

Notary Signature: _____

Notary Name: _____

My commission expires: _____

"EXHIBIT J"
CITY OF DORAL FINAL RELEASE OF LIEN FORM (SUBS-SUPPLIERS)

"For all the right reasons!"SM

CITY OF DORAL **EXHIBIT-J**

PUBLIC WORKS DEPARTMENT

FINAL WAIVER AND RELEASE OF LIEN
(Sub-Contractor/Supplier)

LET THE FOLLOWING BE KNOWN:

That the undersigned lienor in consideration of the Final payment in the amount of _____, has been paid in full all amounts due and owed to it by _____(Prime Contractor) and does hereby waive, release and relinquish any and all rights, liens, lien rights, claims or demands of any kind whatsoever, through _____, (date) against _____(Prime Contractor) and City of Doral the owner, its successors and/or assigns and its surety if one exists, arising out of or in connection with the following project:

Project No.: _____
Location: _____
County/State: _____

IN WITNESS WHERE OF, I have hereunto set my hand seal this _____day of _____; 20_____

Lienor's Name: _____

By: (sign): _____

Print Name: _____

Title: _____

STATE OF: _____

COUNTY OF: _____

I hereby acknowledge that the statements contained in the foregoing Release of Lien are true and correct to the best of my knowledge and belief.

The foregoing instrument was acknowledged before me, **by means of ☐ physical presence or ☐ online notarization**, this ____ day of _____, __(year), by _____on behalf of _____(lienor) [ ] who is personally known to me or [ ] who produced _____as identification and who [ ] did [ ] did not take an oath.

Notary Signature: _____

Notary Name: _____

My commission expires: _____

"CONSENT OF SURETY FORM"

CONSENT OF SURETY FOR PAYMENT

Date: _____

City of Doral
Finance Department
8401 NW 53rd Terrace, 3rd Floor
Doral, Florida 33166

RE: Consent of Surety
Bond No.: _____
Contract No.: _____
Estimate No.: _____

Dear Sir or Madam:

_____ (Surety) hereby consents to the payment of the full amount of moneys due to _____(Prime Contractor), by the City of Doral for which the necessary duly executed affidavits/ releases of liens have not been provided. This Consent of Surety is executed in lieu of the appropriated Affidavit and Release of Lien from _____ (Subcontractor/ Supplier) which the City's Prime Contractor has not submitted with its Payment Requisition. The Surety executes this Consent for the full amount, encompassing all Work and/ or labor performed, the provision of all materials, equipment and supplies through the _____ day of _____, 20_____, except for any applicable retainage.

_____ (Surety) further acknowledges that payment by the City of Doral shall not be construed as a waiver of any of the City's rights under the Payment and Performance Bond; nor a determination by the City as to the merits of any controversy or dispute between the Prime Contractor and a Subcontractor/ Supplier.

Respectfully,

_____ _____
Print Name/ Title Signature of Attorney-in-Fact

Signed, Sealed and Delivered in the presence of:

State of _____
County of _____

On this _____ day of _____, 20_____, before me, a Notary Public, in aforesaid County, personally appeared _____ who acknowledge that he/ she executed the above Consent of Surety on behalf of the Corporation or Entity as it's free act and deed.

_____ _____ _____
Signature of Notary Serial Number Expiration Date

_____ Notary Seal
Print of Stamp of Notary

Note: Documentation must be provided that reflects the Attorney-in-Fact's authority to sign for the Surety.