

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AGREEMENT

850-040-89
 MAINTENANCE
 OGC – 07/13
 Page 1 of 5

Construction Agreement No.: 2022-C-491-00012

THIS CONSTRUCTION AGREEMENT (this "Agreement") is made and entered into by and between the State of Florida, Department of Transportation, (3400 West Commercial Boulevard, Fort Lauderdale, FL 33309) (hereinafter referred to as the "DEPARTMENT") and City of Hollywood (1948 Harrison Street, Hollywood, FL 33020) (hereinafter referred to as the "Construction Coordinator").

WITNESSETH:

WHEREAS, the DEPARTMENT is authorized and required by Section 334.044(13), Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and

WHEREAS, pursuant to Section 339.282, Florida Statutes, the DEPARTMENT may contract with a property owner to finance, construct, and improve public transportation facilities; and

WHEREAS, the Construction Coordinator proposes to construct certain improvements to SR A1A Section 86030 Subsection 000 from Begin MP 3.459 to End MP 3.812 Local Name Ocean Drive located in Broward County (hereinafter referred to as the "Project"); and

WHEREAS, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the Department upon acceptance of the work.

NOW, THEREFORE, based on the premises above, and in consideration of the mutual covenants contained herein, the parties hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of See attached exhibit A scope of services/special provisions.

2. The Project shall be designed and constructed in accordance with the latest edition of the DEPARTMENT'S Standard Specifications for Road and Bridge Construction and DEPARTMENT Design Standards and Manual of Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the DEPARTMENT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the DEPARTMENT Plans Preparation Manual ("PPM") Manual for Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (the "Florida Green Book") and the DEPARTMENT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the project at all times and coordinate any work needs of the DEPARTMENT during construction of the project.

3. The Construction Coordinator shall notify the DEPARTMENT a minimum of 48 hours before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.

4. Pursuant to Section 7-13 of the DEPARTMENT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than zero and 00/100 Dollars (\$ 0.00) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than zero and 00/100 Dollars (\$ 0.00) for property damage, or a combined coverage of not less than zero and 00/100 Dollars (\$ 0.00). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity they will be exempt from these requirements.

5. The Construction Coordinator shall be responsible for monitoring construction operations and the maintenance of traffic ("MOT") throughout the course of the project in accordance with the latest edition of the DEPARTMENT Standard Specifications, section 102. The Construction Coordinator is responsible for the development of a MOT plan and making any changes to that plan as necessary. The MOT plan shall be in accordance with the latest version of the DEPARTMENT Design Standards, Index 600 series. Any MOT plan developed by the Construction Coordinator that deviates from the DEPARTMENT Design Standards must be signed and sealed by a professional engineer. MOT plans will require approval by the DEPARTMENT prior to implementation.

6. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations be accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.

7. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.

8. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to chapter 163, Florida Statutes.

9. The Construction Coordinator shall perform all required testing associated with the design and construction of the project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.

10. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard and local governmental entities.

11. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.

12. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days prior written notice of termination to the Construction Coordinator.

13. The Construction Coordinator shall be responsible to maintain and restore all features that might require relocation within the DEPARTMENT right of way.

14. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.

15. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance to the plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.

16. If the DEPARTMENT determines that the Project is not completed in accordance with the provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice.

17. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.

18. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below.

19. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.

20. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.

21. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.

22. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations or remedies upon any other person or entity except as expressly provided for herein.

23. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.

24. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.

25. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquished in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.

26. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.

27. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principle purposes of this Agreement remain enforceable.

28. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement.

29. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.

30. Construction Coordinator:

- (1) shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
- (2) shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

31. COMPLIANCE WITH LAWS

The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:

- (1) Keep and maintain public records that ordinarily and necessarily would be required by the Department in order to perform the services being performed by the Construction Coordinator.
- (2) Provide the public with access to public records on the same terms and conditions that the Department would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
- (3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (4) Meet all requirements for retaining public records and transfer, at no cost, to the Department all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the Department in a format that is compatible with the information technology systems of the Department. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the Department. The Construction Coordinator shall promptly provide the Department with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the Department a copy of the Construction Coordinator's response to each such request.

CONSTRUCTION COORDINATOR CONTACT INFORMATION

Name Sarita Shamah Title Senior Project Manager
Office No. 954 924 2980 Cell _____ Email sshamah@hollywoodfl.org

Name _____ Title _____
Office No. _____ Cell _____ Email _____

Mail Address _____

IN WITNESS WHEREOF, Construction Coordinator and the DEPARTMENT have executed this Agreement for the purposes herein expressed on the dates indicated below.

CONSTRUCTION COORDINATOR

By: _____ (Signature)

Sarita Shamah (Print Name)

City Project Manager (Title)

_____ (Date)

DEPARTMENT OF TRANSPORTATION

By: _____ (Signature)

_____ (Print Name)

_____ (Title)

_____ (Date)

Legal Review:

EXHIBIT A

Permit #

I. SCOPE OF SERVICES

The City of Hollywood is proposing improvements along SR-A1A/Ocean Boulevard at Nebraska Street, Carolina Street, and Scott Street.

II. PROJECT PLANS

The Construction Coordinator is authorized to install the Project in accordance with the attached:

Signalization Plans prepared by Matthew Fursetzer dated 8/29/22

Structural Plans prepared by Jerry Piccolo dated 8/29/22

III. SPECIAL PROVISIONS FOR CONSTRUCTION

This permit is only valid for work within FDOT R/W.

Construction Coordinator will coordinate all work with the Broward County Operations Permits Dept. via Phone (954) 777-4372. A pre-construction conference must be coordinated with Mr. Anthony Beecher via Phone (954) 777-4372 prior to construction. This permit is valid only for work proposed within the D.O.T. right-of-way. Certification acceptance and final approval is contingent upon conformity of all work completed according to this permit and the restoration of the Right of Way.

All materials and construction within the Florida Department of Transportation Design (F.D.O.T.) right-of-way shall conform to the "latest version" of FDOT Standard Plans for Road and Bridge Construction and latest version of the Standard Specifications for Road and Bridge Construction.

All thermoplastic traffic stripes, markings and signage will be installed per the FDOT Standard Plans and Traffic Design Standards.

It is the Construction Coordinator's responsibility to obtain final acceptance of permitted work (completed) and the restoration of the Right-of-Way from the Department prior to usage.

Construction Coordinator will provide the necessary densities in accordance with the Department's latest edition of the Standard Specifications for Road & Bridge Construction prior to final acceptance by the Department.

Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Construction Coordinator, at their cost & expense from the site to the Broward Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.

Construction Coordinator will restore the Right of Way as a minimum, to its original condition or better in accordance w/ Florida Department of Transportation's latest Standard Specifications for Road & Bridge Construction or as directed by the Resident Operations Engineer.

During the removal/installation of any curb and gutter section, the Construction Coordinator will be responsible for any damage done to the abutting asphalt. The damaged asphalt repair will be in accordance with the current specifications and/or as directed by the Resident Operations Engineer.

During the removal/installation of any curb and gutter section, the Construction Coordinator will be responsible for any damage done to the abutting asphalt. The damaged asphalt repair will be in accordance with the current

specifications and/or as directed by the Resident Operations Engineer.

Sodded areas will be in accordance with FDOT Index 570-010 and sections 162, 981, 982, 983, 987 of the FDOT's Standard Specifications for Road and Bridge Construction, latest edition. All disturbed areas will be sodded within one (1) week of installation of said permitted work.

Storm Water Pollution Prevention Plan - The Construction Coordinator shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. The Construction Coordinator shall be responsible for the correction of any erosion, shoaling, or water quality problems that result from the construction or operation of the surface water management system.

During construction, highest priority must be given to pedestrian safety. If permission is granted to temporarily close a sidewalk, it should be done with the express condition that an alternate route will be provided and shall continuously maintain pedestrian features to meet Americans Disability Act (ADA) standards.

A copy of this agreement and plans must be on the job site at all times during the construction of this facility.

Restricted hours of operation for lane closures, excavation and construction work will be from 7:00 am to 6:00 pm (Monday-Friday) and from 8:00 am to 6:00 pm (Saturday), unless otherwise approved by the Operations Engineer, or designee. MOT shall be picked up by 6:00 pm and not start before 7:00 am.

Prior to any work requiring lane closures, mobile operations or traffic pacing operations, the contractor or permittee shall submit a request to the Department that includes the time, location, and description of work being performed. The lane closure request shall be submitted to the Department a minimum of 2 weeks prior to the proposed closure date and must be approved by the Department before work requiring the closure may begin within the FDOT Right of Way. URL address: <https://LCIS.dot.state.fl.us>.

All maintenance of traffic (MOT) will be in accordance with the Department's current edition of the Standard Plans for Road and Bridge Construction Index (102-600 series). The Operations Engineer or his designee reserves the right to direct the removal/relocation/modification of any traffic device(s) at the Construction Coordinator's sole expense. Traffic Control Plans (TCP) must be submitted and reviewed during the pre-construction meeting.

Maintenance of Traffic (lane closures on the state road system occurring during peak hours (7:00-9:00 AM or 4:00-6:00 PM) and/or lasting over twenty-four hours must contact Barbara Kelleher two weeks prior to closures. You must also comply with the lane closure analysis as outlined in the FDOT Design Manual 240.4 TTC Plan. All lane closures occurring on an interstate or limited access facility, regardless of time of day or duration, must comply with the lane closure analysis in the FDOT Design Manual 240.4 TTC Plan.

Barbara Kelleher can be reached at 954-777-4090.

Florida Department of Transportation
Public Information Office
3400 West Commercial Blvd.
Fort Lauderdale, Florida 33309

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

INDEX OF SIGNALIZATION PLANS

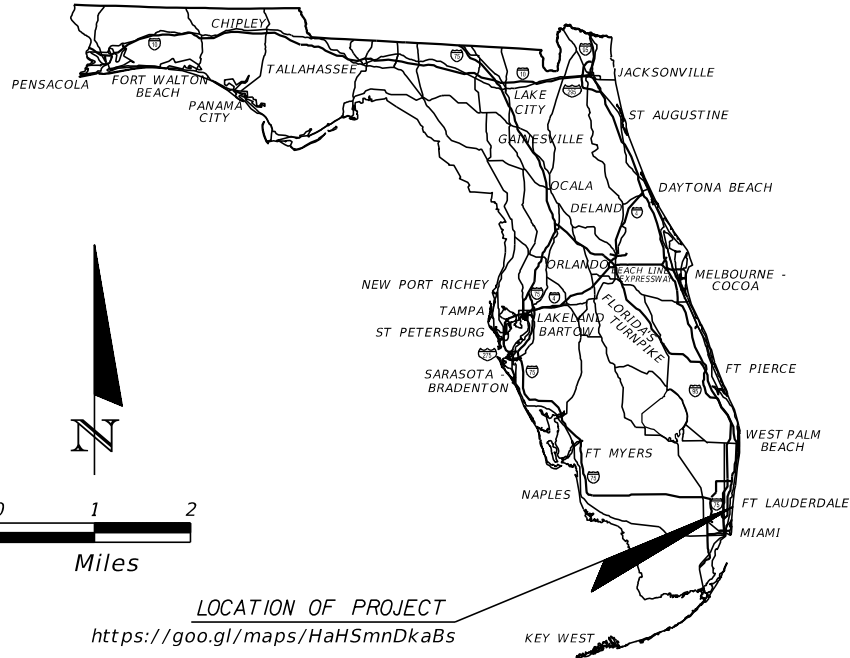
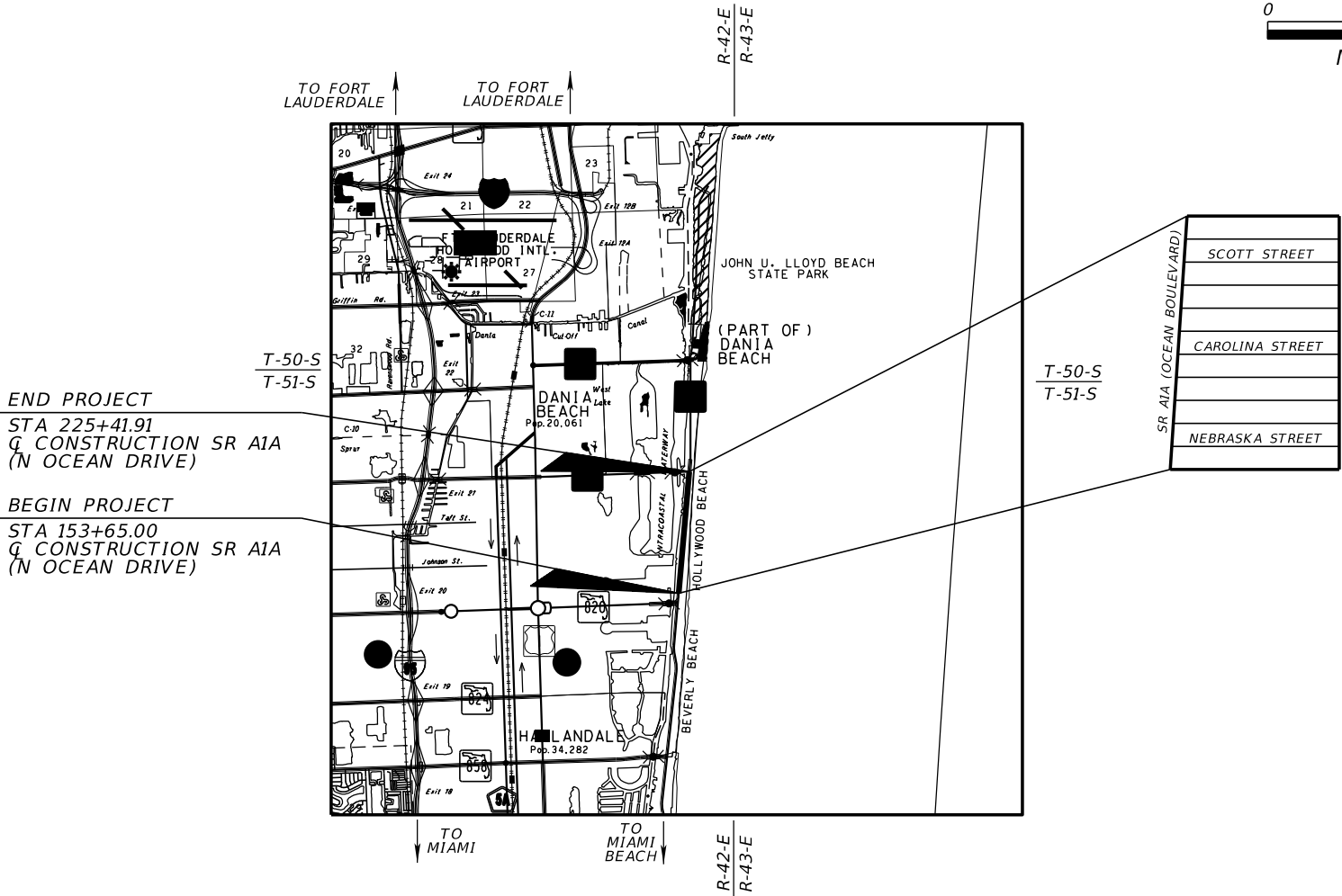
SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	SIGNATURE SHEET
T-3 TO T-5	SIGNALIZATION GENERAL NOTES
T-6	TABULATION OF QUANTITIES
T-7 TO T-9	SIGNALIZATION PLAN
T-10	STANDARD MAST ARM TABULATION
T-11	STANDARD MAST ARM ASSEMBLIES DATA TABLE
T-12 TO T-14	GUIDESIGN WORKSHEET
T-15	PEDESTAL MOUNTED SIGNAL SPREAD FOOTING DETAIL
T-16 TO T-17	REPORT OF CORE BORINGS
S-1 TO S-6	SIGNING AND PAVEMENT MARKING PLAN

CITY OF HOLLYWOOD

SIGNALIZATION PLANS

BROWARD COUNTY (86000)

INTERSECTION IMPROVEMENTS ON SR A1A (N. OCEAN DRIVE)
AT NEBRASKA STREET, CAROLINA STREET, SCOTT STREET



GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SIGNALIZATION PLANS
ENGINEER OF RECORD:

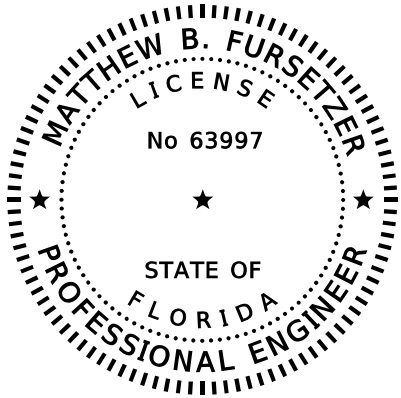
MATTHEW B. FURSETZER, P.E. NO.: 63997
KIMLEY-HORN AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 845-0665
CONTRACT NO.: C9F23
VENDOR NO.: VF-560-885-615-001
REGISTRY NO. 35106

CITY OF HOLLYWOOD
PROJECT MANAGER:
SARITA SHAMAH, P.E.



KHA PROJECT D44241021 DATE	SCALE AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY	DATE	REVISIONS	BY
KEY SHEET							
A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA							
SHEET NUMBER T-1							

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



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ON THE DATE ADJACENT TO THE SEAL

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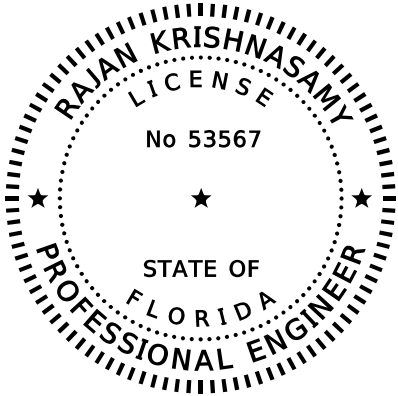
KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FLORIDA 33411
CERTIFICATE OF AUTHORIZATION NO. 696
MATTHEW B. FURSETZER, P.E. NO. 63997

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

PLANS

SHEET NO. SHEET DESCRIPTION

- | | |
|--------------|----------------------------------|
| T-1 | KEY SHEET |
| T-2 | SIGNATURE SHEET |
| T-3 | SIGNALIZATION GENERAL NOTES |
| T-4 | SIGNALIZATION GENERAL NOTES |
| T-5 | SIGNALIZATION GENERAL NOTES |
| T-6 | TABULATION OF QUANTITIES |
| T-7 TO T-9 | SIGNALIZATION PLAN |
| T-10 | STANDARD MAST ARM TABULATION |
| T-12 TO T-14 | GUIDESIGN WORKSHEET |
| S-1 TO S-6 | SIGNING & PAVEMENT MARKING PLANS |



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ON THE DATE ADJACENT TO THE SEAL

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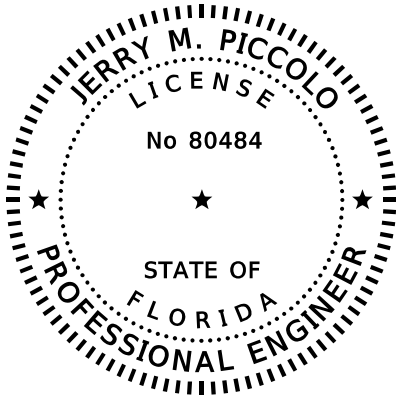
TIERRA SOUTH FLORIDA
2765 VISTA PARKWAY, S-10
WEST PALM BEACH, FLORIDA 33411
CERTIFICATE OF AUTHORIZATION NO. 28073
RAJAN KRISHNASAMY, P.E. NO. 53567

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

PLANS

SHEET NO. SHEET DESCRIPTION

- | | |
|--------------|------------------------|
| T-16 TO T-17 | REPORT OF CORE BORINGS |
|--------------|------------------------|



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SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

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KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FLORIDA 33411
CERTIFICATE OF AUTHORIZATION NO. 696
JERRY M. PICCOLO, P.E. NO. 80484

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

PLANS

SHEET NO. SHEET DESCRIPTION

- | | |
|------|---|
| T-2 | SIGNATURE SHEET |
| T-11 | STANDARD MAST ARM ASSEMBLIES DATA TABLE |
| T-15 | PEDESTAL MOUNTED SIGNAL SPREAD FOOTING DETAIL |

KHA PROJECT 044241021		DATE		KIMLEY-HORN		REVISIONS		DATE		BY	
SCALE		AS SHOWN		LISCENSED PROFESSIONAL		MATTHEW B. FURSETZER		© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696			
DESIGNED BY		DRAWN BY		F.L. LICENSE NUMBER PE #63997		DATE:					
CHECKED BY											
A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA				SIGNATURE SHEET				FL			
SHEET NUMBER T-2											

SIGNAL GENERAL NOTES

1. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE OF COMMENCEMENT, VIA EMAIL, TO TEINSPCTION@BROWARD.ORG. NOTICE SHALL INCLUDE THE DATE OF COMMENCEMENT, LOCATION AND TYPE OF WORK & INFORMATION REGARDING ANY MALFUNCTIONING SIGNAL EQUIPMENT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN AND FILL OUT THE COUNTY'S "ACCEPTANCE OF TRAFFIC SIGNAL MAINTENANCE AND TIMING BY CONTRACTOR DURING CONSTRUCTION AND BURN-IN PERIOD" FORM LETTER, AVAILABLE AT BCTED, PRIOR TO COMMENCEMENT OF ANY WORK. MAINTENANCE OF THE SIGNAL OPERATION, INCLUDING TIMING ADJUSTMENTS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE COUNTY ISSUES WRITTEN FINAL ACCEPTANCE OF THE INTERSECTION, AT WHICH TIME MAINTENANCE RESPONSIBILITIES ARE PROPERLY TRANSFERRED TO THE COUNTY.
2. APPROVAL OF SHOP DRAWINGS DOES NOT CONSTITUTE A WARRANTY THAT THE SIGNAL EQUIPMENT COMPLIES WITH THE STANDARDS OF THE MAINTAINING AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THE PROPOSED SIGNAL EQUIPMENT MEETS THE REQUIREMENTS SPECIFIED IN THE CONTRACT, SPECIFICATIONS AND CONTRACT PLANS.
3. THE VIDEO DETECTION SYSTEM SHALL BE IN ACCORDANCE TO THE TECHNICAL SPECIFICATIONS INCLUDED IN THE 'Vehicle Detection Pay Item Notes' DOCUMENT POSTED ON THE BROWARD COUNTY TRAFFIC ENGINEERING WEBSITE AT <http://www.broward.org/Traffic/Pages/Publications.aspx>. THE VIDEO DETECTION SYSTEM SHALL BE ON THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) APPROVED PRODUCTS LIST AND MEET ALL QUALIFYING SPECIFICATIONS, AS DESCRIBED IN FDOT SECTION 660 "VEHICLE DETECTION SYSTEM" AS IT APPLIES TO VIDEO VEHICLE DETECTION SYSTEMS.
4. THE CONTRACTOR SHALL COORDINATE A FIELD MEETING WITH THE SIGNAL SUPERVISOR, PRIOR TO REMOVING ANY EXISTING EQUIPMENT, TO DETERMINE WHICH EQUIPMENT SHOULD BE DELIVERED TO BCTED. THE AGREED UPON EQUIPMENT SHALL BE DISASSEMBLED INTO THEIR COMPONENT PARTS, TAGGED AS TO LOCATION, PACKAGED AS NEEDED FOR PROTECTION FROM DAMAGE AND DELIVERED TO:

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

3. THE VIDEO DETECTION SYSTEM SHALL BE IN ACCORDANCE TO THE TECHNICAL SPECIFICATIONS INCLUDED IN THE 'Vehicle Detection Pay Item Notes' DOCUMENT POSTED ON THE BROWARD COUNTY TRAFFIC ENGINEERING WEBSITE AT <http://www.broward.org/Traffic/Pages/Publications.aspx>. THE VIDEO DETECTION SYSTEM SHALL BE ON THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) APPROVED PRODUCTS LIST AND MEET ALL QUALIFYING SPECIFICATIONS, AS DESCRIBED IN FDOT SECTION 660 "VEHICLE DETECTION SYSTEM" AS IT APPLIES TO VIDEO VEHICLE DETECTION SYSTEMS.

4. THE CONTRACTOR SHALL COORDINATE A FIELD MEETING WITH THE SIGNAL SUPERVISOR, PRIOR TO REMOVING ANY EXISTING EQUIPMENT, TO DETERMINE WHICH EQUIPMENT SHOULD BE DELIVERED TO BCTD. THE AGREED UPON EQUIPMENT SHALL BE DISASSEMBLED INTO THEIR COMPONENT PARTS, TAGGED AS TO LOCATION, PACKAGED AS NEEDED FOR PROTECTION FROM DAMAGE AND DELIVERED TO:

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

ALL SIGNALIZATION EQUIPMENT THAT IS REMOVED AND NOT REQUESTED BY BCTD SHALL BE PROPERLY
DISPOSED OF AT THE CONTRACTOR'S EXPENSE IN A MANNER AND LOCATION APPROVED BY THE SIGNAL
SUPERVISOR.

THE SIGNAL SUPERVISOR IS TO BE CONTACTED AT 954-847-2600 AT LEAST 48 HOURS PRIOR TO DELIVERY. WRITTEN ACKNOWLEDGEMENT OF EQUIPMENT RECEIPT SHALL BE OBTAINED FROM THE SIGNAL SUPERVISOR IN THE FORM OF A SIGNED RECEIPT BEARING THE CONTRACTOR'S LETTERHEAD. THIS ITEMIZED RECEIPT SHALL STATE THAT ALL OF THE EQUIPMENT REMOVED FROM EACH LOCATION WAS RETURNED TO BCTED IN GOOD CONDITION. THE CONTRACTOR SHALL PRESENT THE RECEIPT TO BCTED AT THE TIME OF SIGNAL INSPECTION. ABSENCE OF SUCH RECEIPT SHALL BE RECORDED ON THE PUNCH LIST AS AN ITEM TO BE CORRECTED PRIOR TO FINAL APPROVAL OF THE INSTALLATION.

FDOT GENERAL NOTES

1. CONTRACTOR SHALL REPAIR ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION &/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
2. ANY PLANT MATERIAL SUBSTITUTION WITHIN OR IMPACTING THE FDOT RIGHT OF WAY WHETHER REQUESTED BY THE CONTRACTOR, OWNER, LANDSCAPE ARCHITECT OR OTHER WILL NEED TO GET APPROVAL FROM THE FDOT DISTRICT LANDSCAPE ARCHITECT.
3. PATTERNED PAVEMENT INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATION 523. FRICTION TESTING WILL BE REQUIRED AT INTERVALS IN ACCORDANCE WITH FDOT FM 5-592, ASTM E274, OR ASTM E1911. ALL COSTS FOR FRICTION TESTING WITHIN THE TRAVEL WAY ARE THE RESPONSIBILITY OF THE AGENCY.
ONLINE REFERENCE:

2. ANY PLANT MATERIAL SUBSTITUTION WITHIN OR IMPACTING THE FDOT RIGHT OF WAY WHETHER REQUESTED BY THE CONTRACTOR, OWNER, LANDSCAPE ARCHITECT OR OTHER WILL NEED TO GET APPROVAL FROM THE FDOT DISTRICT LANDSCAPE ARCHITECT.

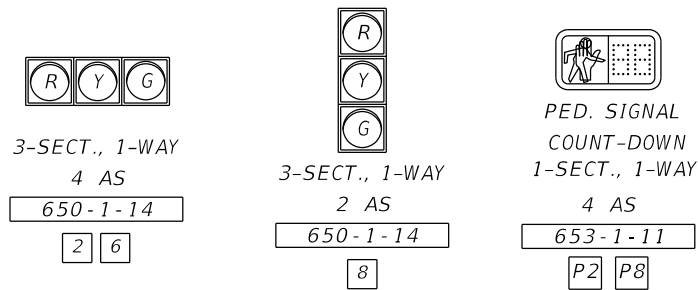
3. PATTERNED PAVEMENT INSTALLATION SHALL COMPLY WITH CURRENT FDOT STANDARD SPECIFICATION 523. FRICTION TESTING WILL BE REQUIRED AT INTERVALS IN ACCORDANCE WITH FDOT FM 5-592, ASTM E274, OR ASTM E1911. ALL COSTS FOR FRICTION TESTING WITHIN THE TRAVEL WAY ARE THE RESPONSIBILITY OF THE AGENCY.
ONLINE REFERENCE:

HTTPS://FDOTWWW.BLOB.CORE.WINDOWS.NET/SITEFINITY/DOCS/DEFAULTSOURCE/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/JANUARY-2022/JANUARY2022-EBOOK.PDF?SFVRSN=752D1333 4

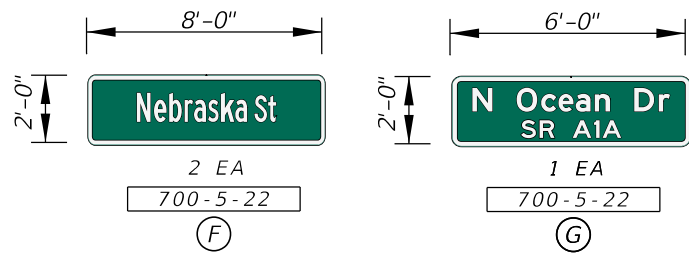
4. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE PERMITTEE, AT THEIR COST & EXPENSE FROM THE SITE TO THE FDOT BROWARD OPERATIONS CENTER OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.

SHEET NUMBER T-5		A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA		HOLLYWOOD FL		SIGNALIZATION GENERAL NOTES		<div><div>KHA PROJECT 044241021</div><div>DATE</div></div> <div><div>SCALE AS SHOWN</div><div>DESIGNED BY</div><div>DRAWN BY</div><div>CHECKED BY</div></div> <div>LICENSED PROFESSIONAL MATTHEW B. FURSETZER FL LICENSE NUMBER PE#63997 DATE:</div> <div><div>Kimley»Horn</div><div>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 KEVIA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696</div></div>		No.	REVISIONS	DATE	BY
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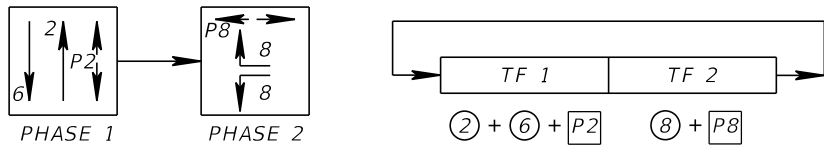
SIGNAL HEAD DETAILS



SIGN DETAILS



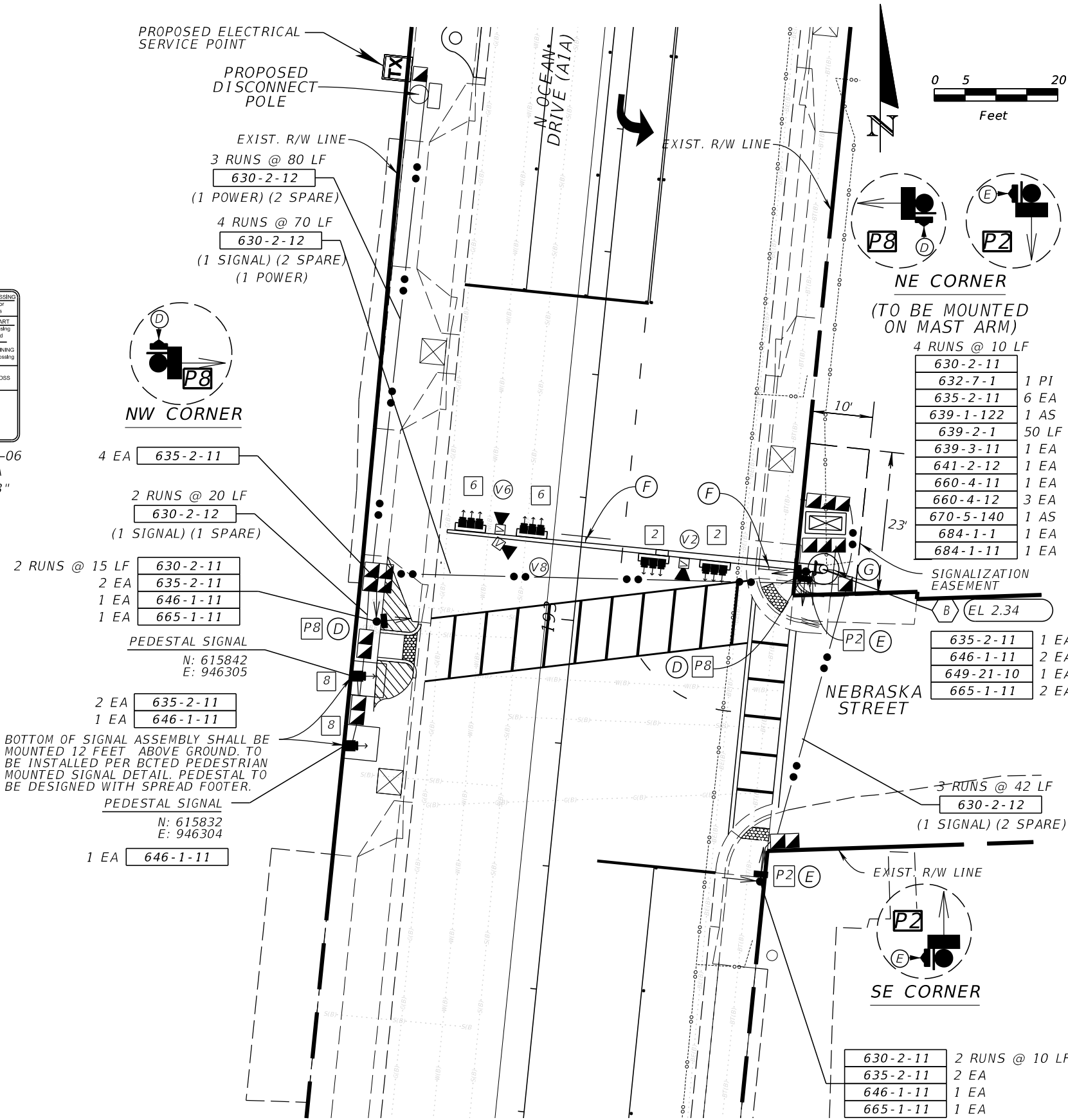
STANDARD OPERATING PLAN (SOP)



CONTROLLER TIMINGS				
PHASE DIRECTION		NB	SB	WB
MOVEMENT NUMBER		2	6	8
TIMING FUNCTION	MINIMUM GREEN	10	10	6
	EXTENSION	3	3	2
	MAXIMUM GREEN 1	50	50	20
	MAXIMUM GREEN 2	-	-	-
	YELLOW CLEARANCE	4	4	4
	ALL RED	2	2	2
	PEDESTRIAN WALK	7	-	7
	PED. CLEARANCE	8	-	15
	RECALL	MIN	MIN	OFF
FLASH OPERATION		Y	Y	R

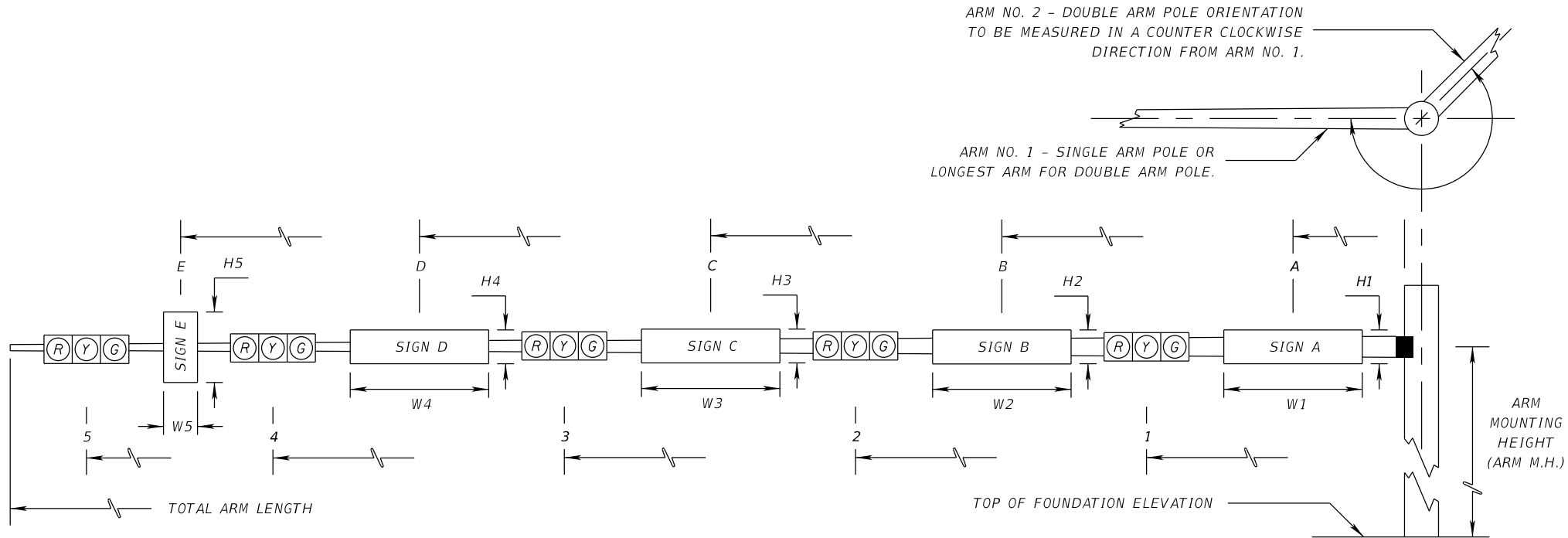
DETECTION CAMERA ASSIGNMENTS				
CAMERA NO.	ZONE NO.	DETECTOR OPERATION	TIMING FUNCTION	DELAY TIME (SEC)
V2	0D-2	-	1	-
V6	0D-4	-	1	-
V8	0D-8	-	2	10

LEGEND



SHEET NUMBER	A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA	SIGNALIZATION PLAN	KHA PROJECT 044241021	LICENSED PROFESSIONAL	Kimley»Horn © 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000996	No.	REVISIONS	DATE	BY
T-7			SCALE AS SHOWN	MATTHEW B. FURSETZER					
			DESIGNED BY	FL LICENSE NUMBER					
			DRAWN BY	PE#3997					
			CHECKED BY	DATE:					
	HOLLYWOOD	FL							

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[illegible]

NOTE:
MAST ARMS AND SIGNAL POLES SHALL BE PAINTED THOMARIOS POWER COATING COLOR BLACK NO. 27038.

[illegible]

[illegible]

SIGN NAME

F

QTY

2

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

8'-0"

WIDTH

0.5"

HEIGHT

2'-0"

RADII

1"

LEGEND

White

COLOR

White

COLOR

Green

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Land

COLUMN SIZE

AVERAGE LENGTH

8'-0"

2'-0"

17.95"

60.1"

17.95"

6'-2 1/2"

BORDER

R=1.5"

TH=0.5"

Panel Style: Street Name 12-9in_Overhead.ssi

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

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

17.9

27.4

35.6

43.7

48.8

53.6

64.4

73.3

60.1

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAME

D3-2

QTY

2

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

3'-6"

WIDTH

0.75"

HEIGHT

2'-6"

RADII

2.25"

LEGEND

White

COLOR

White

COLOR

Green

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Land

COLUMN SIZE

AVERAGE LENGTH

3'-6"

2'-6"

6"

6"D

5.9"

4.5"D

7.01"

BORDER

R=2.25"

TH=0.75"

Panel Style: guide_con_street name_a_2012.ssi

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

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

6.7

10.8

14.3

17.8

20.1

22.2

27.6

31.4

26.9

COPY

SPACE

4.7

8.2

10.9

13.8

16.1

20.1

23.4

25

28.4

31.5

35

32.7

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAME

G

QTY

1

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

8'-0"

WIDTH

0.5"

HEIGHT

2'-0"

RADII

1.5"

LEGEND

White

COLOR

White

COLOR

Green

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Land

COLUMN SIZE

AVERAGE LENGTH

8'-0"

2'-0"

14.15"

67.7"

14.15"

1.47"

10"D

5.06"

6"D

1.47"

BORDER

R=1.5"

TH=0.5"

Panel Style: Street Name 12-9in_Overhead.ssi

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

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

14.2

21

27.2

35.9

42.7

49.5

57.1

63

69.3

78.1

67.7

COPY

SPACE

37.5

41.9

45.3

49

53.6

55.7

22

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAME

D3-2

QTY

2

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

3'-6"

WIDTH

0.75"

HEIGHT

2'-6"

RADII

2.25"

LEGEND

White

COLOR

White

COLOR

Green

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Land

COLUMN SIZE

AVERAGE LENGTH

3'-6"

2'-6"

6"

6"D

5.9"

4.5"D

7.01"

BORDER

R=2.25"

TH=0.75"

Panel Style: guide_con_street name_a_2012.ssi

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

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

6.7

10.8

14.3

17.8

20.1

22.2

27.6

31.4

26.9

COPY

SPACE

4.7

8.2

10.9

13.8

16.1

20.1

23.4

25

28.4

31.5

35

32.7

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

SIGN NAME

G

QTY

1

SIGN NUMBER

STATION(S)

PANEL

BORDER

WIDTH

8'-0"

WIDTH

0.5"

HEIGHT

2'-0"

RADII

1.5"

LEGEND

White

COLOR

White

COLOR

Green

SYMBOL(S)

ANGLE

X

Y

WID

HT

SIGN NUMBER

NUMBER OF POSTS

CLEARANCE Edge Of Land

COLUMN SIZE

AVERAGE LENGTH

8'-0"

2'-0"

14.15"

67.7"

14.15"

1.47"

10"D

5.06"

6"D

1.47"

BORDER

R=1.5"

TH=0.5"

Panel Style: Street Name 12-9in_Overhead.ssi

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

NO. OF LIGHT FIXTURES

FIXTURE SPACING

PHOTOMETRIC CURVE

WATT

VOLTAGE

COPY

SPACE

14.2

21

27.2

35.9

42.7

49.5

57.1

63

69.3

78.1

67.7

COPY

SPACE

37.5

41.9

45.3

49

53.6

55.7

22

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

COPY

SPACE

Kimley-Horn and Associates, Inc.

Registry No. 35106

Matthew B. Fursetzer, P.E.

P.E. License No. 63997

1920 Wekiva Way, Suite 200

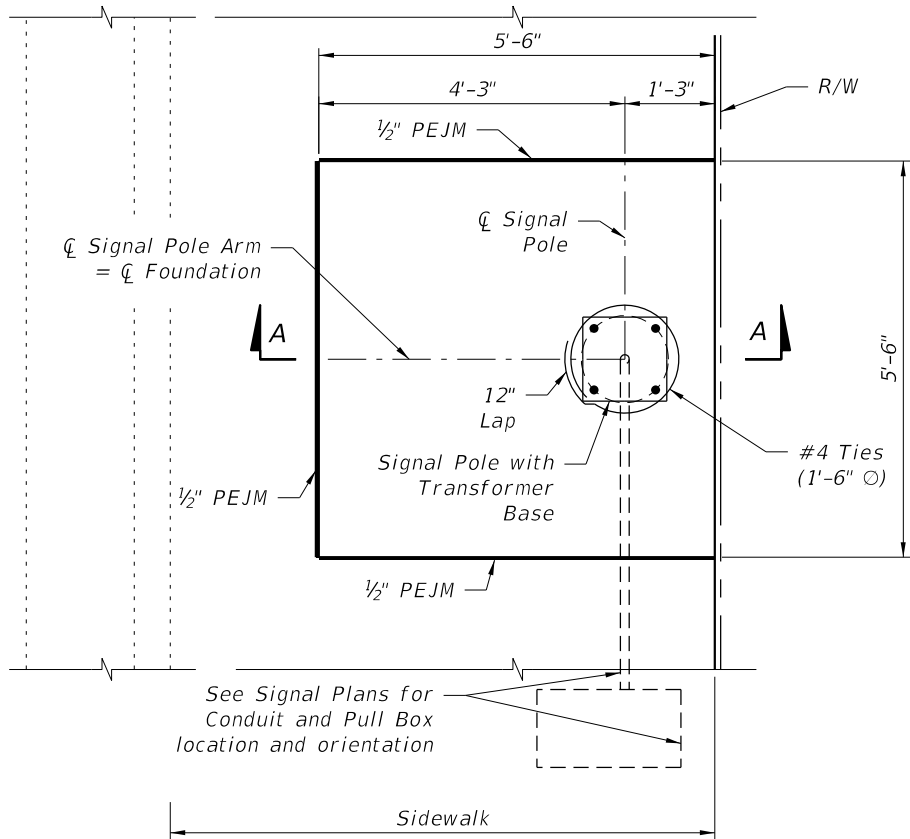
West Palm Beach, Florida 33411

GUIDE SIGN WORKSHEET

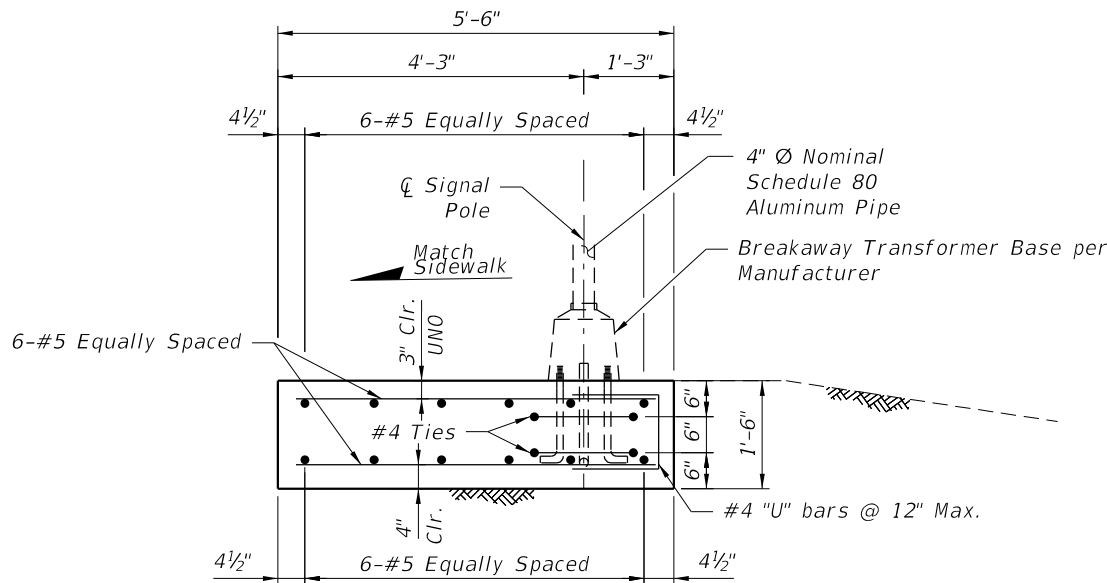
SHEET NO.

T-14

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PLAN



SECTION A-A

General Notes:

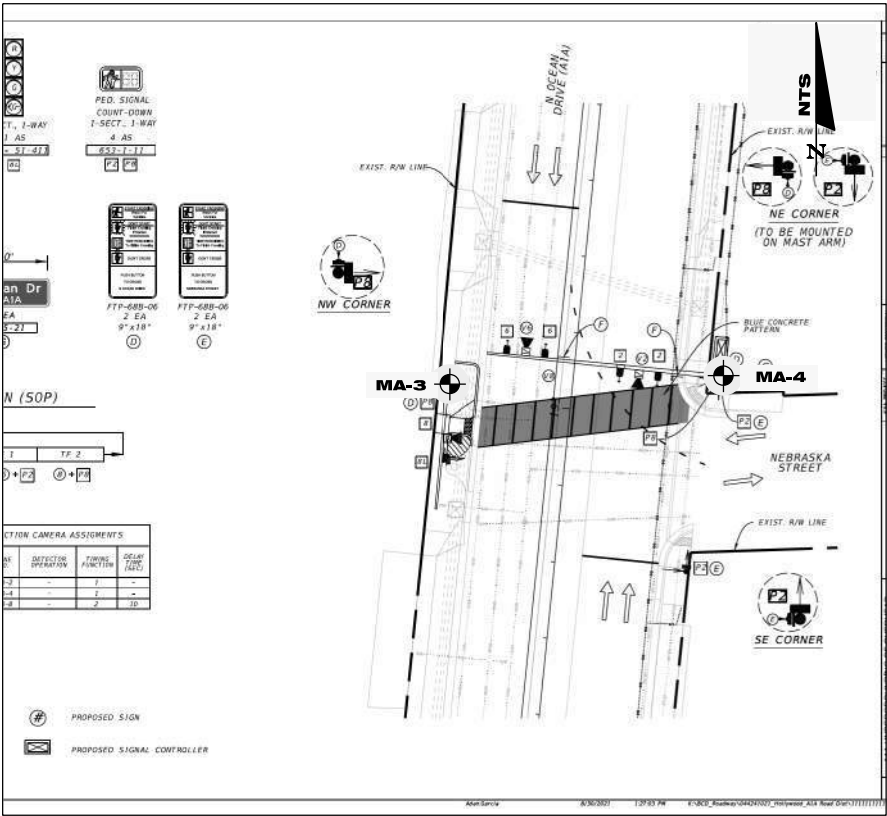
- 1) Design is in accordance with FDOT Structures Manual dated January 2022 and subsequent structures bulletins.
- 2) Concrete shall be Class IV in accordance with FDOT Standard Specification 346. (Minimum 28-day Compressive Strength of 5,500 psi)
- 3) Reinforcing Steel: A615 Grade 60 carbon steel per Specifications Section 931.
- 4) The footing is designed to the following loads [Extreme Load Case]:
 - Axial Dead load = 0.3 kip
 - Wind Load Moment about Transverse Axis = 12 kip-ft
 - Wind Load Moment about Longitudinal Axis = 12 kip-ft
 - Dead Load Moment about Longitudinal Axis = 0 kip-ft
 - Shear in Longitudinal Axis = 0.9 kip
 - Shear in Transverse Axis = 0.9 kip
 - Torsion about Pole Axis = 0 kip-ftThe design wind speed is 170 mph reduced to 160 mph per FDOT Structures Manual Vol. 3.
- 5) Payment: The cost of Wire Screen, Anchor Bolts, Nuts, Washers, and Anchor Plates shall be included in the Bid Price for Signal Poles. The cost of all labor, concrete and reinforcing steel required for the construction of the spread footing and miscellaneous hardware required for the completion of the electrical system shall be included in the Bid Price for the Signal Pole.
- 6) The soil below the footing shall be compacted to a Nominal Bearing Resistance of 3 ksf.
- 7) The department will permit the use of coarse aggregate below the minimum elevation at which mechanical tampers would not be effective. Use a minimum compacted layer thickness of 12 inches coarse aggregate as specified in Section 901 for aggregate size number 57. Place the coarse aggregate such that it will be stable and firm. Fully wrap the aggregate with a layer of Type R-1 geosynthetic material, as specified in Section 985. Compact coarse aggregate backfill with a minimum of 10 passes with a vibratory compactor weighing between 200 and 600 pounds, or 5 passes with a compactor weighing more than 600 pounds. Use the highest vibration level that does not cause excessive fracture of the aggregate in the opinion of the engineer. Continue compaction until there is no additional movement. Sheepsfoot, grid rollers, or other types of equipment employing a foot are not allowed for any backfill type.
- 8) Construct the signal pole spread footings in accordance with Section 455 of the Construction Specifications except that no payment for the foundation will be made under Section 455.
- 9) Signal Pole anchor bolts and transformer base shall be installed per Manufacturer Specifications.
- 10) Shift footing reinforcement as required to clear the anchor bolts.
- 11) Reinforcement shall be in accordance with FDOT Standard Specification 415.
- 12) Maintain a 3" minimum cover between reinforcement and external surfaces unless noted otherwise.

The Contractor is responsible for ensuring the anchor bolt configuration is compatible with the signal pole base.

Abbreviations:

- PEJM - Premolded Expansion Joint Material
UNO - Unless Noted Otherwise

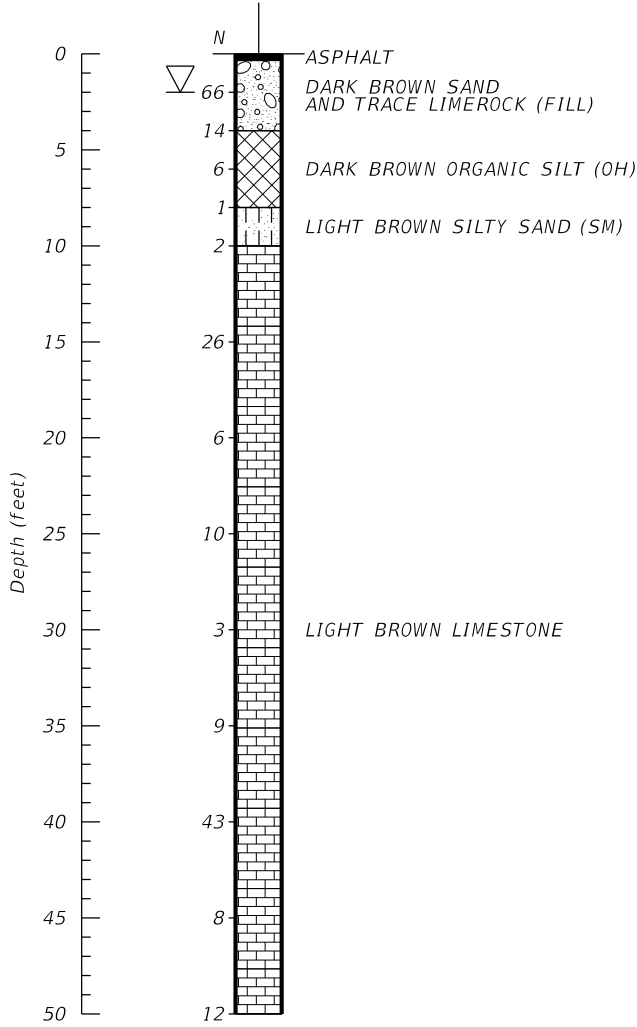
KHA PROJECT 04/24/2021 DATE		LCE PROFESSIONAL Jerry Marcus Piccolo FL LICENSE NUMBER PE#80484		Kimley»Horn © 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696		REVISIONS		DATE		BY	
A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA		PEDESTAL MOUNTED SIGNAL SPREAD FOOTING DETAIL		FL		SHEET NUMBER T-15					



BORING LOCATION PLAN

Approximate Location of SPT Boring

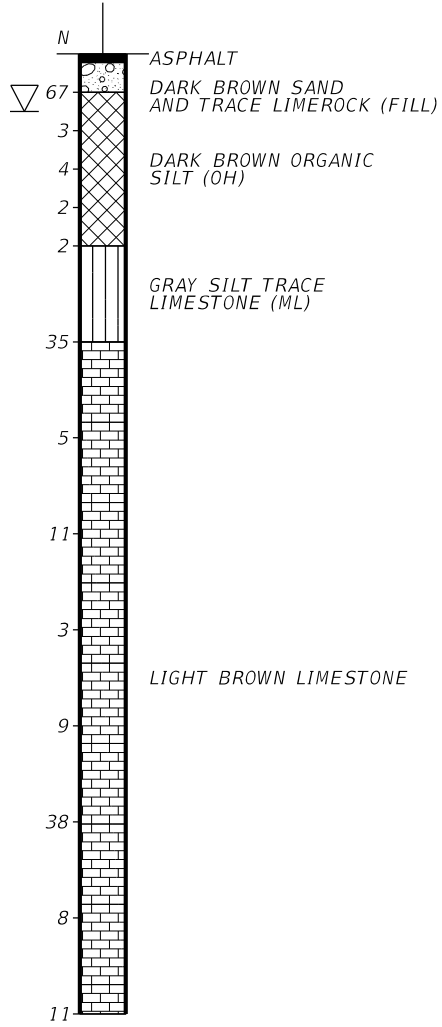
BOR # MA-3
DATE 10/27/2021
DRILLER 50
RIG BME-55
LATITUDE 26.025257
LONGITUDE -80.116476



Boring Terminated
at Depth of 50ft

Casing Length 50ft

BOR # MA-4
DATE 10/27/2021
DRILLER 50
RIG BME-55
LATITUDE 26.025279
LONGITUDE -80.116244



Boring Terminated
at Depth of 50ft

Casing Length 50ft

	Asphalt		Limestone
	Gravelly Sand		Silty Sand
	Muck		
	Sand		

NOTES:
ENCOUNTERED WATER TABLE DURING DRILLING
NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)
GNE GROUNDWATER NOT ENCOUNTERED IN UPPER 10 FEET

MC= NATURAL MOISTURE CONTENT (%)
-200= FINES PASSING #200 SIEVE (%)
OC= ORGANIC CONTENT (%)
LL= LIQUID LIMIT (%)
PI= PLASTICITY INDEX (%)
NP= INDICATES NON-PLASTIC
WOH= WEIGHT OF HAMMER

STRATA BOUNDARIES ARE APPROXIMATE AND MAY VARY BETWEEN OR AWAY FROM BORING LOCATIONS.

STANDARD PENETRATION TEST DATA

SPOON INSIDE DIA. 1.375 inches
SPOON OUTSIDE DIA. 2.0 inches
AVG. HAMMER DROP 30.0 inches
HAMMER WEIGHT 140.0 pounds

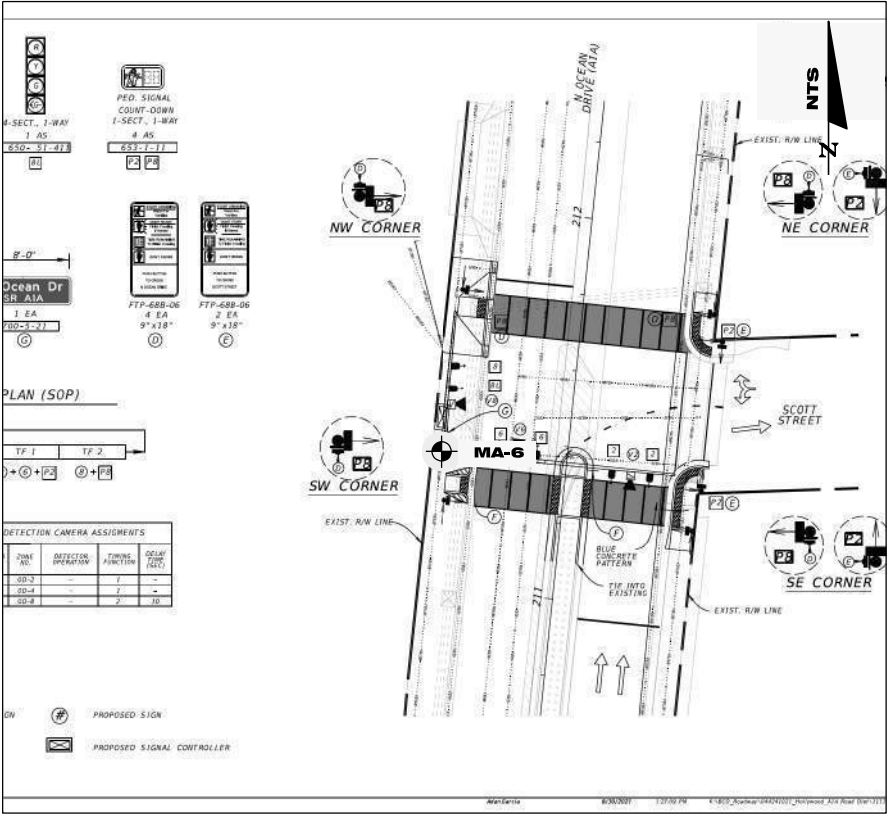
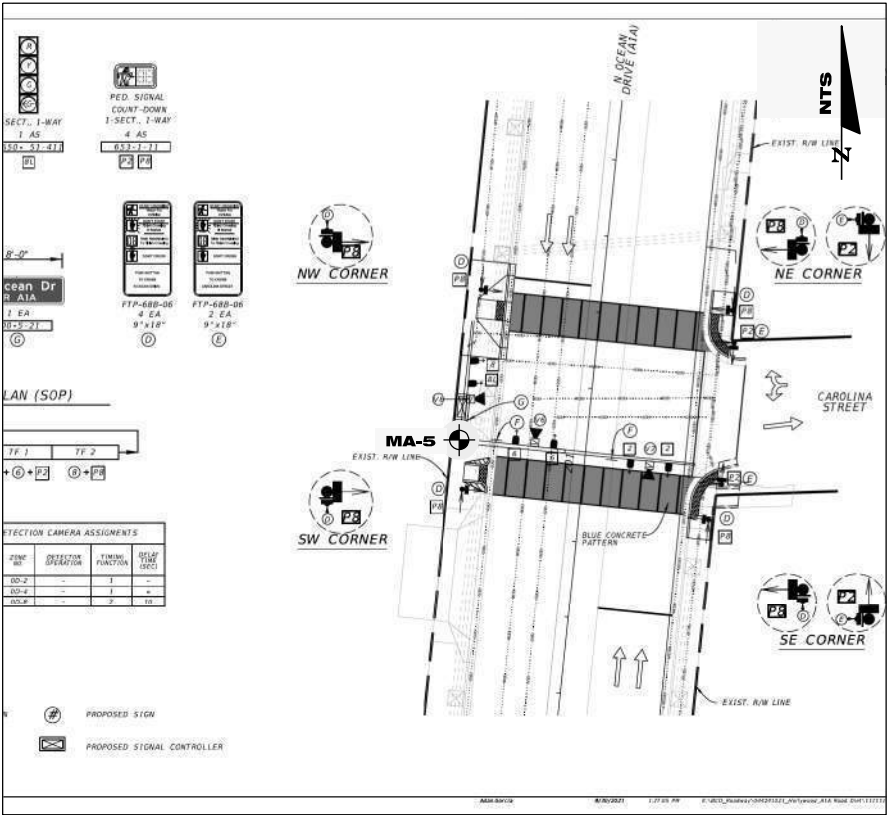
SPT CONSISTENCY CHART

SILTS AND CLAYS		
CONSISTENCY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 - 4	1 - 3
FIRM	4 - 8	3 - 6
STIFF	8 - 15	6 - 12
VERY STIFF	15 - 30	12 - 24
HARD	GREATER THAN 30	GREATER THAN 24

SPT DENSITY CHART

GRANULAR MATERIALS		
RELATIVE DENSITY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 - 10	3 - 8
MEDIUM	10 - 30	8 - 24
DENSE	30 - 50	24 - 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40

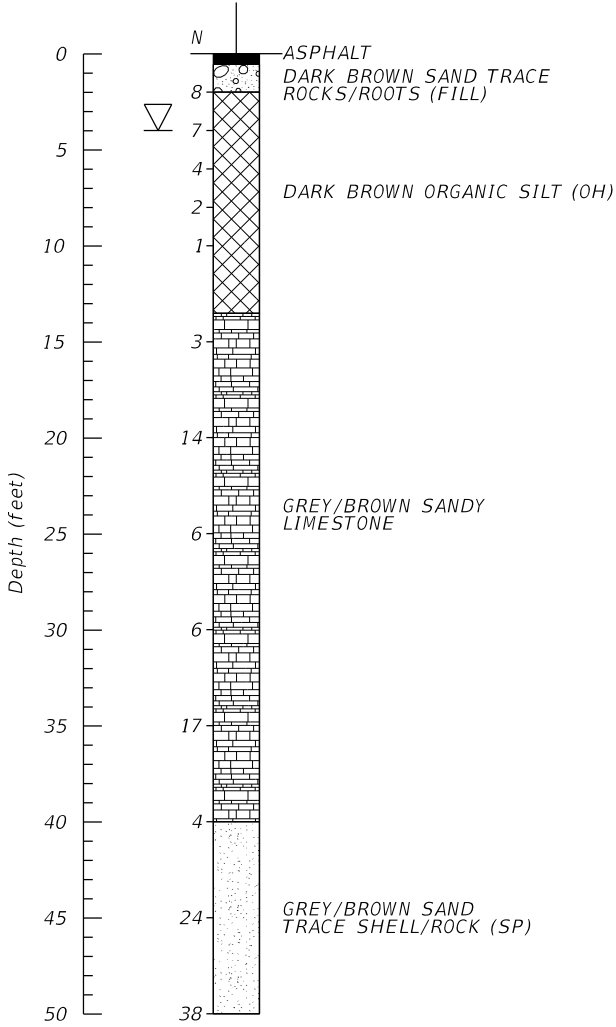
REVISIONS						RAJ KRISHNASAMY, P.E. P.E. LICENSE NUMBER 53567 TIERRA SOUTH FLORIDA, INC. 2765 VISTA PARKWAY, S-10 WEST PALM BEACH, FL 33411	DRAWN BY: NG 04-2019	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF CORE BORINGS		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		CHECKED BY: MN 04-2019						PROJECT NAME:
							DESIGNED BY: MN 04-2019	ROAD NO.	COUNTY	COUNTY PROJECT ID	MAST ARMS		
							CHECKED BY: RK 04-2019	SR A1A	BROWARD		N OCEAN DRIVE (SR A1A) AND NEBRASKA STREET		T-16



BORING LOCATION PLAN

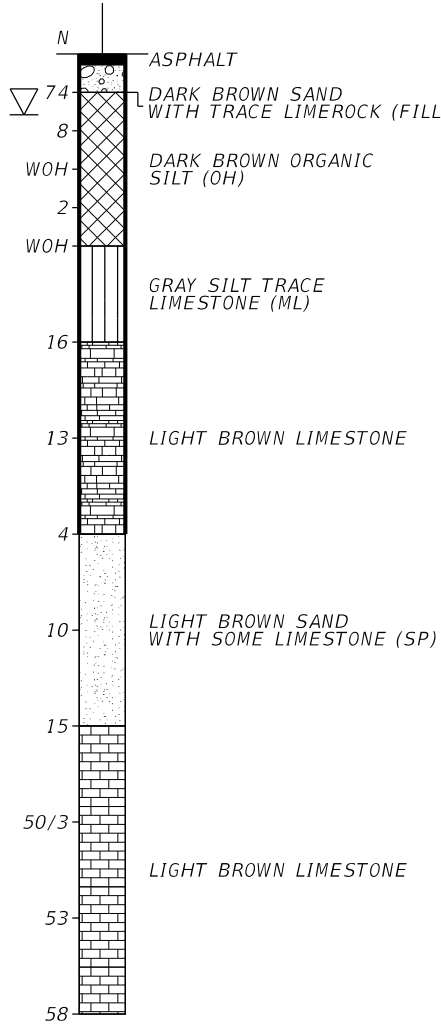
Approximate Location of SPT Boring

BOR # MA-5
DATE 11/29/2021
RIG CME45
LATITUDE 26.027469°
LONGITUDE -80.116192°



Boring Terminated at Depth of 50ft

BOR # MA-6
DATE 10/27/2021
DRILLER 25
RIG CME45
LATITUDE 26.030276
LONGITUDE -80.115857



Boring Terminated at Depth of 50ft

Casing Length 25ft

	Asphalt		Silt
	Gravelly Sand		Limestone Soft
	Muck		
	Sand		

NOTES:

ENCOUNTERED WATER TABLE DURING DRILLING

NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION. (UNLESS OTHERWISE NOTED.)

GNE GROUNDWATER NOT ENCOUNTERED IN UPPER 10 FEET

MC= NATURAL MOISTURE CONTENT (%)
-200= FINES PASSING #200 SIEVE (%)
OC= ORGANIC CONTENT (%)
LL= LIQUID LIMIT (%)
PI= PLASTICITY INDEX (%)
NP= INDICATES NON-PLASTIC
WOH= WEIGHT OF HAMMER

STRATA BOUNDARIES ARE APPROXIMATE AND MAY VARY BETWEEN OR AWAY FROM BORING LOCATIONS.

STANDARD PENETRATION TEST DATA

SPOON INSIDE DIA. 1.375 inches
SPOON OUTSIDE DIA. 2.0 inches
AVG. HAMMER DROP 30.0 inches
HAMMER WEIGHT 140.0 pounds

SPT CONSISTENCY CHART

SILTS AND CLAYS

CONSISTENCY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY SOFT	LESS THAN 2	LESS THAN 1
SOFT	2 - 4	1 - 3
FIRM	4 - 8	3 - 6
STIFF	8 - 15	6 - 12
VERY STIFF	15 - 30	12 - 24
HARD	GREATER THAN 30	GREATER THAN 24

SPT DENSITY CHART

GRANULAR MATERIALS

RELATIVE DENSITY	SAFETY HAMMER SPT N-VALUE (BLOW/FOOT)	AUTOMATIC HAMMER SPT N-VALUE (BLOW/FOOT)
VERY LOOSE	LESS THAN 4	LESS THAN 3
LOOSE	4 - 10	3 - 8
MEDIUM	10 - 30	8 - 24
DENSE	30 - 50	24 - 40
VERY DENSE	GREATER THAN 50	GREATER THAN 40

NOTE: INFORMATION REGARDING MA-1 AND MA-2 WAS INCLUDED AS PART OF A PREVIOUS REPORT, DATED APRIL 10th 2019

REVISIONS						DRAWN BY: NG 04-2019 CHECKED BY: MN 04-2019 DESIGNED BY: MN 04-2019 CHECKED BY: RK 04-2019	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE: REPORT OF CORE BORINGS	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	COUNTY PROJECT ID		
							SR A1A	BROWARD		PROJECT NAME: MAST ARMS N OCEAN DRIVE (SR A1A) AND CAROLINA AND SCOTT STREET	SHEET NO. T-17

RAJ KRISHNASAMY, P.E.
P.E. LICENSE NUMBER 53567
TIERRA SOUTH FLORIDA, INC.
2765 VISTA PARKWAY, S-10
WEST PALM BEACH, FL 33411

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D3-2
1 AS
700-1-11
TO BE INSTALLED AT:
STA. 186+97

N OCEAN DRIVE
(SR A1A)

BEGIN SIGNING AND
PAVEMENT MARKING
C CONST SR A1A
(N OCEAN DRIVE)
STA 191+63.59

C CONSTRUCTION

EXISTING PAVEMENT
MARKINGS TO REMAIN

24" WHITE PREFORMED
THERMOPLASTIC (TYP.)

REMOVE EXISTING
PAVEMENT MARKINGS
& RPMS

24" WHITE (TYP.)

6" WHITE W/R
RPMS @ 20' CC

EXIST. R/W LINE

REMOVE EXISTING
PAVEMENT MARKINGS
& RPMS

EXISTING HEADER
TO REMAIN

NEBRASKA
STREET

24" WHITE PREFORMED
THERMOPLASTIC (TYP.)

REMOVE EXISTING
PAVEMENT MARKINGS
& RPMS

PAVEMENT ARROW (TYP.)

REMOVE EXISTING
PAVEMENT ARROW

6" DOUBLE YELLOW
Y/Y RPMS @ 40' CC

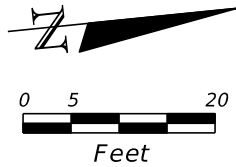
6" YELLOW
(2'-4' SKIP)

24" WHITE (TYP.)

REMOVE EXISTING
PAVEMENT MARKINGS
& RPMS

REMOVE EXISTING
PAVEMENT MARKINGS
& RPMS

EXIST. PAVEMENT
MARKING TO REMAIN



MATCH LINE STA. 194+20.00

A1A UNDERGROUNDING OF OVERHEAD
UTILITIES AND COMPLETE STREET
BEAUTIFICATION
PREPARED FOR
HOLLYWOOD CRA
HOLLYWOOD FL

SIGNING AND
PAVEMENT
MARKING PLAN

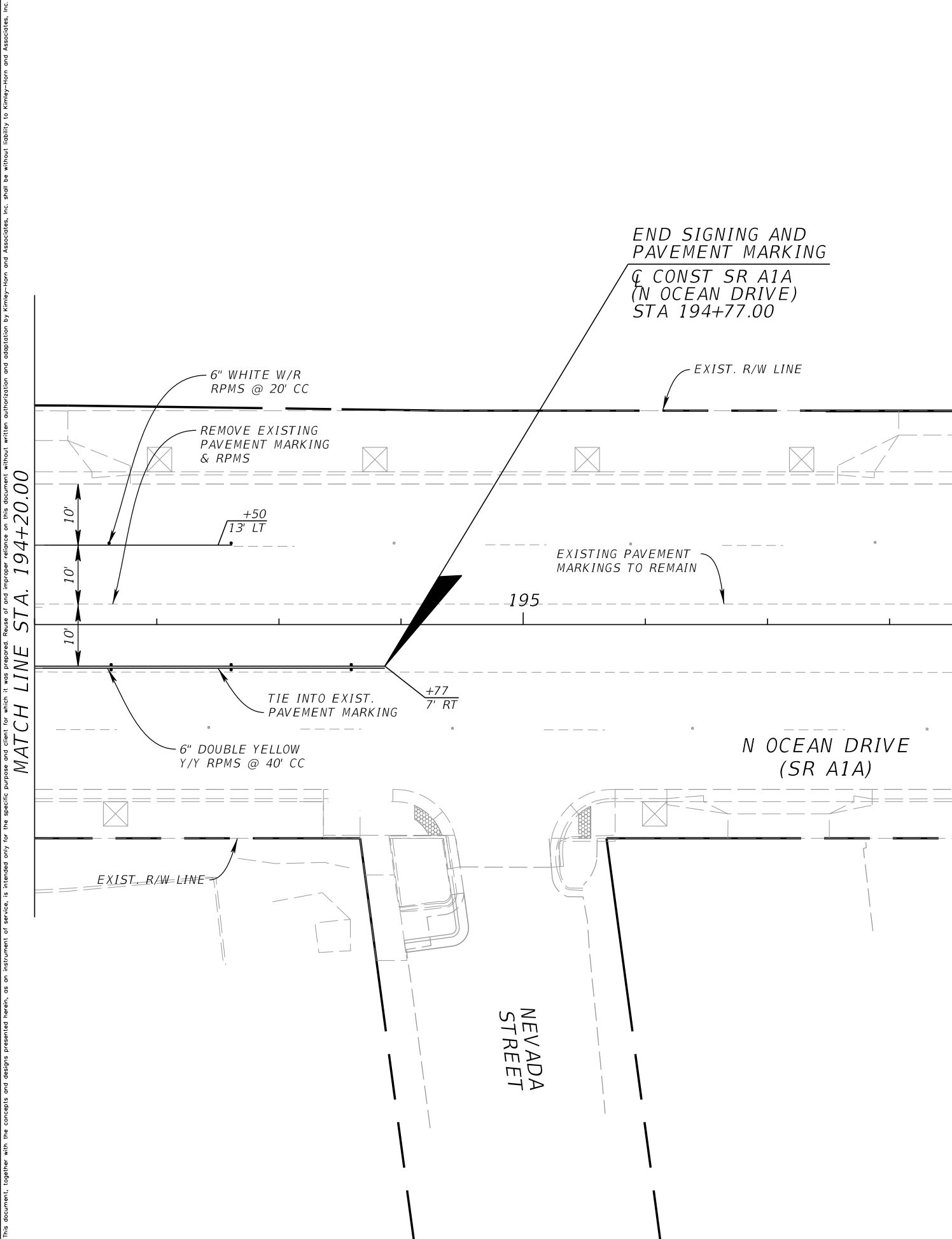
KHA PROJECT
D44241021
DATE
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY
LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FL LICENSE NUMBER
PE #63997
DATE

Kimley»Horn
© 2018 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM CA 00000696

No.	REVISIONS	DATE	BY

SHEET NUMBER
S-1

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D3-2
1 AS
700-1-11
TO BE INSTALLED AT:
STA. 199+30

SHEET NUMBER S-2		A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA HOLLYWOOD FL		SIGNING AND PAVEMENT MARKING PLAN		<div><div>KHA PROJECT 04/24/2021 DATE</div><div>SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY</div></div>		<div>LICENSED PROFESSIONAL MATTHEW B. FURSETZER FL LICENSE NUMBER PE#63997 DATE:</div>		<div><div>Kimley»Horn</div><div>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696</div></div>		No.		REVISIONS		DATE		BY	

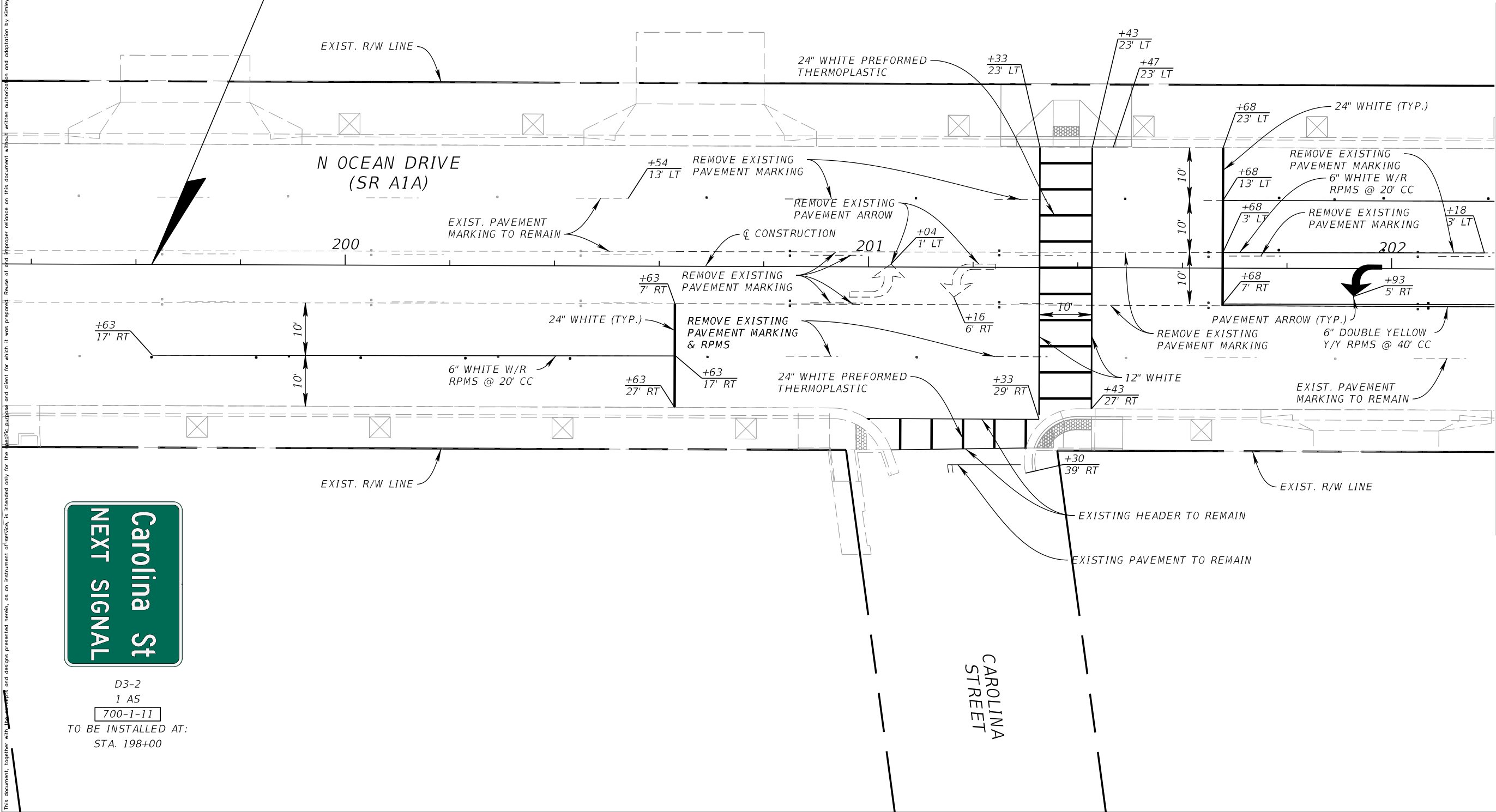
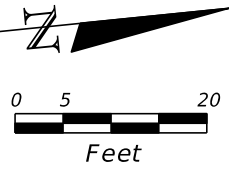
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D3-2
1 AS
700-1-11
TO BE INSTALLED AT:
STA. 198+00

BEGIN SIGNING AND
PAVEMENT MARKING

☐ CONST SR A1A
(N OCEAN DRIVE)
STA 199+63.00



MATCH LINE STA. 202+20.00

A1A UNDERGROUNDING OF OVERHEAD
UTILITIES AND COMPLETE STREET
BEAUTIFICATION
PREPARED FOR
HOLLYWOOD CRA
HOLLYWOOD
FL

**SIGNING AND
PAVEMENT
MARKING PLAN**

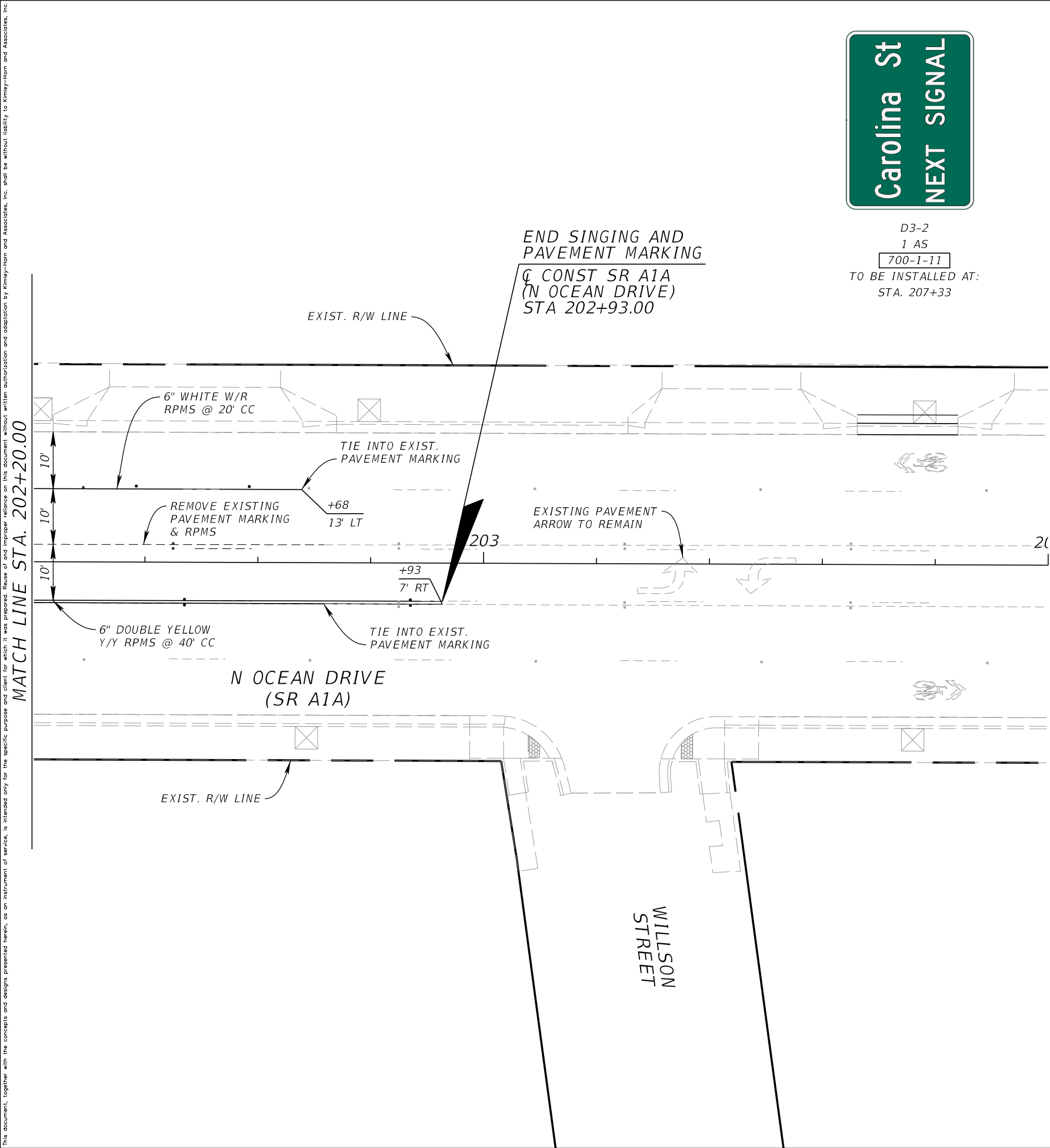
KHA PROJECT
044241021
DATE
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY
LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FL LICENSE NUMBER
PE #63937
DATE:

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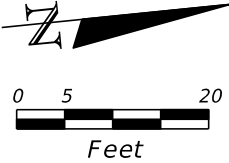
No.	REVISIONS	DATE	BY

SHEET NUMBER
S-3

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D3-2
1 AS
700-1-11
TO BE INSTALLED AT:
STA. 207+33

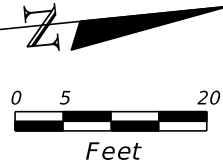
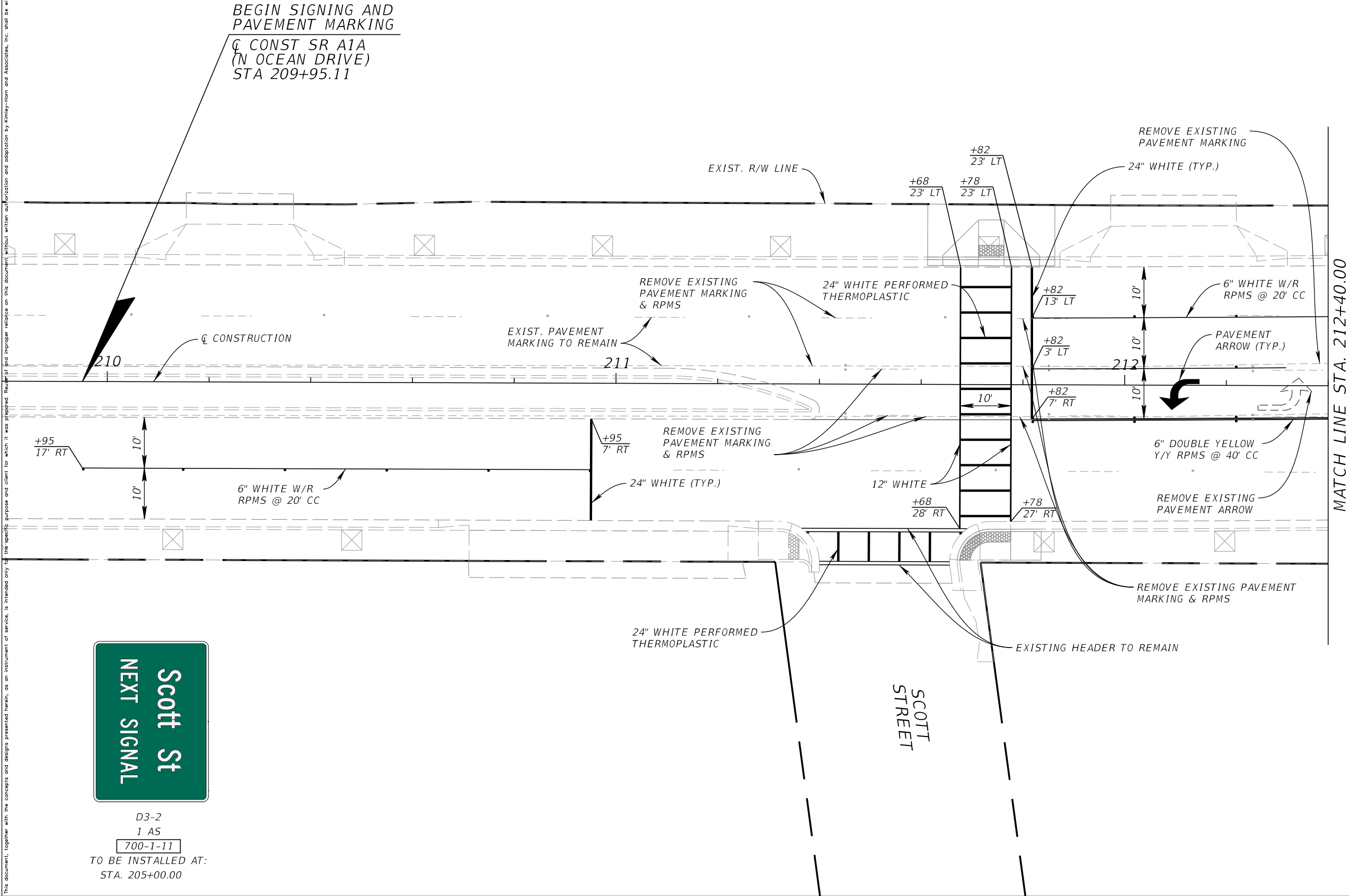


A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA HOLLYWOOD FL		SIGNING AND PAVEMENT MARKING PLAN		KHA PROJECT 04/24/1021 DATE		LICENSED PROFESSIONAL MATTHEW B. FURSETZER FL LICENSE NUMBER PE#63997 DATE:		© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696		No.		REVISIONS		DATE		BY	
				SCALE AS SHOWN				Kimley»Horn									
				DESIGNED BY													
				DRAWN BY													
				CHECKED BY													

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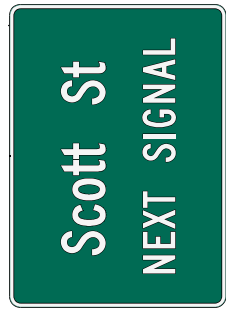
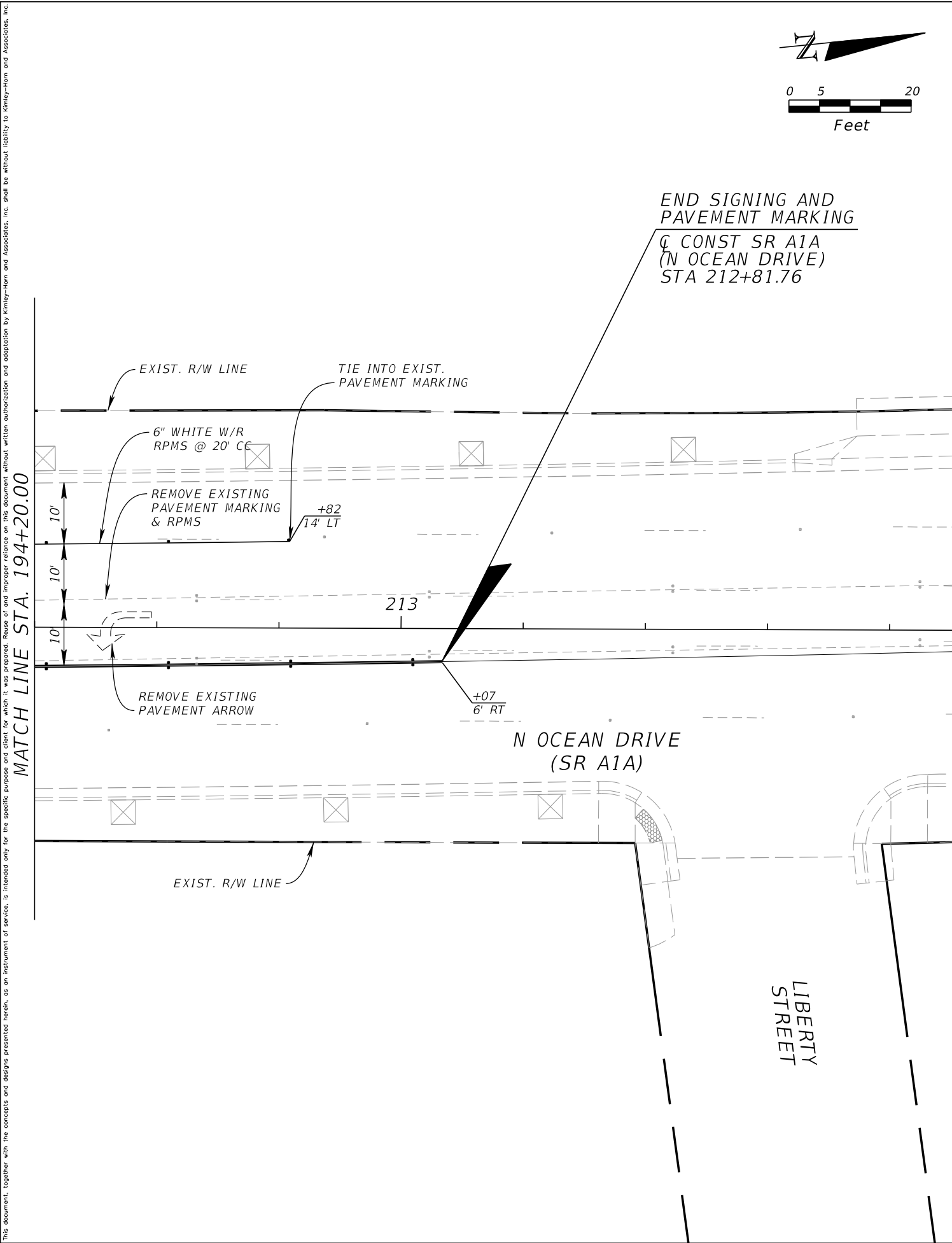


D3-2
1 AS
700-1-11
TO BE INSTALLED AT:
STA. 205+00.00




A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA	SHEET NUMBER S-5	HOLLYWOOD FL	SIGNING AND PAVEMENT MARKING PLAN	KHA PROJECT D44241021 DATE	LICENSED PROFESSIONAL MATTHEW B. FURSETZER FL LICENSE NUMBER PL#63997	Kimley»Horn © 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000696	REVISIONS		DATE	BY
							No.			

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D3-2
1 AS
700-1-11
TO BE INSTALLED AT.
STA. 218+00

SHEET NUMBER		A1A UNDERGROUNDING OF OVERHEAD UTILITIES AND COMPLETE STREET		SIGNING AND PAVEMENT MARKING PLAN		KHA PROJECT 044241021		LICENSED PROFESSIONAL		 <p>© 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1920 KEVINA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00000096</p>		BY	
HOLLYWOOD		BEAUTIFICATION PREPARED FOR HOLLYWOOD CRA		FL		DATE		DATE		NO.		REVISIONS	
						SCALE AS SHOWN		MATTHEW B. FURSETZER					
						DESIGNED BY		FL LICENSE NUMBER					
						DRAWN BY		PE#63997					