SECTION No: 8610000 PERMIT No: 2021-C-491-00013

COUNTY: Broward S.R. No: 7

# FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT FOUR MAINTENANCE MEMORANDUM OF AGREEMENT (MMOA)

THIS AGREEMENT made and entered into this date 

10/27/2022 | 10:02 PM, EDT by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, a component agency of the State of Florida, hereinafter called the "DEPARTMENT", and the CITY OF HOLLYWOOD, a municipal corporation existing under the Laws of Florida, hereinafter called the "AGENCY".

#### WITNESSETH:

**WHEREAS**, the **DEPARTMENT** has jurisdiction over State Road (SR) 7, section 8610000, from Mile Post (M.P.) 2.590 to M.P. 3.086, Hollywood; and

WHEREAS, the AGENCY seeks to install pedestrian lighting, hereinafter called "IMPROVEMENTS" as specified in the plans as described in EXHIBIT B (Plans) and have maintained by the AGENCY certain IMPROVEMENTS; and

**WHEREAS,** as part of the continual updating of the State of Florida Highway System, the **DEPARTMENT**, for the purpose of safety, protection of the investment and other reasons, has constructed and does maintain SR 7 from Hollywood Boulevard, M.P. 2.590 to Johnson Street M.P. 3.086, (within the limits of the **AGENCY**); and

WHEREAS, it is the intent of the AGENCY and the DEPARTMENT that the AGENCY shall construct, and the AGENCY shall maintain the elements constructed under PERMIT NO. 2021-C-491-00013, along SR 7 M.P. 2.590 to M.P 3.086, as detailed in EXHIBIT A (Project Location, Description and Project Aerial); and

WHEREAS, the Project involves the scope of work as described within EXHIBIT A and EXHIBIT B, EXHIBIT C (Maintenance Plan Requirements) which will benefit the AGENCY; and

**WHEREAS** the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS the AGENCY by Resolution Number R-2022-269 entered into this date 9.21.2022 attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so.

**NOW THEREFORE**, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

#### 1. RECITALS

The recitals set forth above are true and correct and are deemed incorporated herein.

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#### 2. INSTALLATION OF FACILITIES

A. The AGENCY shall construct, under Permit No. 2021-C-491-00013, the IMPROVEMENTS as detailed in EXHIBIT A and EXHIBIT B that will benefit the AGENCY. The AGENCY agrees to maintain the IMPROVEMENTS within the corporate limits of the AGENCY; and

- 1) All activities, including the **IMPROVEMENTS** installation and future maintenance operations performed on State highway right of way, must be in conformity with the most current edition of the *Manual on Uniform Traffic Control* (MUTCD) and FDOT *Traffic Control through Work Zones*.
- 2) The most current edition of *FDOT Standard Plans* (Sight Distance at Intersections) must be adhered to.
- 3) Lateral Offsets as specified in the *FDOT Plans Preparation Manual*, Volume 1, Chapters 2 and 4 must be adhered to.
- 4) **IMPROVEMENTS** shall not obstruct roadside signs or permitted outdoor advertising signs, (see Florida Administrative Code [F.A.C.] Rule Chapter 14-10.)
- 5) The **AGENCY** shall provide the local FDOT Operation Center located at Broward Operations, 5548 NW 9<sup>th</sup> Ave., Ft. Lauderdale, Florida 33309, (954) 776-4300, a twenty-four (24) hour telephone number and the name of a responsible person that the **DEPARTMENT** may contact. The **AGENCY** shall notify the local maintenance office forty-eight (48) hours prior to the start of the lighting **IMPROVEMENTS**.
- 6) If there is a need to restrict the normal flow of traffic, it shall be done on non-holiday, weekday off-peak hours (9 AM to 3 PM), and the party performing such work shall give notice to the local law enforcement agency within whose jurisdiction such road is located prior to commencing work on the lighting IMPROVEMENTS. The DEPARTMENT'S Operation Center Public Information Officer (see telephone number in Paragraph (e) shall also be notified.
- 7) The **AGENCY shall** be responsible to clear all utilities within the improvement limits before construction commences.
- 8) The **AGENCY** shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, or other assets occurring as a result of installation operations and shall repair such damage to the satisfaction of the **DEPARTMENT** at no expense to the **DEPARTMENT**.

#### 3. MAINTENANCE OF FACILITIES

- A. The **AGENCY** agrees to maintain the **IMPROVEMENTS** to be installed along SR 7 M.P. 2.590 to M.P 3.086. Maintenance by the **AGENCY** will include inspection, repair, restoration, replacement, and general maintenance of all **IMPROVEMENTS** as described in **EXHIBIT B** within the limits of construction as detailed in **EXHIBIT A**. Maintenance shall be as indicated below and in accordance with **EXHIBIT C**.
  - 1) The **AGENCY** agrees to maintain, at its sole cost and expense, the **IMPROVEMENTS** set forth in **Exhibit A and Exhibit B** in compliance with any and all applicable laws which shall include, but not be limited to, laws and regulations

relating to the Americans with Disabilities Act ("ADA") of 1990, as currently enacted or as may be amended from time to time.

- 2) The **IMPROVEMENTS** shall be kept clean and free from trash and debris. The **IMPROVEMENTS** shall be kept free of graffiti. The **IMPROVEMENTS** shall be free of pests such as stinging insects, rodents, and vermin, including removal of nests as needed.
- 3) As part of the maintenance responsibility, the AGENCY shall keep in good repair and replace, defective or worn-out parts of the IMPROVEMENTS. The AGENCY's responsibility to keep the IMPROVEMENTS in good repair shall include all necessary inspection, maintenance, repair and replacement of any type or nature, including, but not limited to, inspection, maintenance, repair, and replacement due to normal wear and tear, named storm event, acts of God, vandalism, and accidents. The AGENCY shall take all necessary steps to maintain the IMPROVEMENTS in a manner to protect against injury to any person or property.
- 4) The AGENCY shall perform all activities necessary to keep the IMPROVEMENTS fully operating, properly functioning, with a minimum of 90% of the lights burning for any lighting type or roadway system at all times in accordance with the original design thereof, whether necessitated by normal wear and tear, accidental or intentional damage, or acts of nature. Said maintenance shall include, but shall not be limited to, providing electrical power, and paying all charges associated therewith, routine inspection and testing, preventative maintenance, emergency maintenance, replacement of any component parts of the IMPROVEMENTS, as may be necessary.
  - 5) The above-named functions to be performed by the **AGENCY** may be subject to periodic inspections by the **DEPARTMENT** at the discretion of the **DEPARTMENT**. Such inspection findings will be shared with the **AGENCY** and shall be the basis of all decisions regarding, reworking relating to the maintenance obligation / function or **AGREEMENT** termination.
  - 6) The **AGENCY** shall be solely responsible for any damages to surrounding property, real estate, vehicles, pedestrians, or other assets occurring as a result of maintenance and operation of the **IMPROVEMENTS** and shall repair such damage to the satisfaction of the **DEPARTMENT** at no expense to the **DEPARTMENT**, as per the requirements in **Exhibit C** (Maintenance Plan Requirements).
  - B. The AGENCY shall be responsible to maintain IMPROVEMENTS including electrical components. The AGENCY shall replace the structure if destroyed in an accident by third parties. The AGENCY shall comply with all ADA Laws existing and as may be amended. Adjacent sidewalk areas shall be always accessible. If sidewalk closures are needed, alternate routes shall be clearly identified, and missing sidewalk shall be restored either with permanent or temporary materials at the end of each workday.
- C. All **IMPROVEMENTS** shall at all times have a notification sign posted with the name and phone number of the department within the **AGENCY** responsible for maintenance of the **IMPROVEMENTS** so that members of the public may contact **AGENCY** regarding problems with the **IMPROVEMENTS**. The **AGENCY** shall promptly respond and correct all

complaints regarding maintenance. The **IMPROVEMENTS** to be constructed with this project shall not contain advertising. Nor shall advertising be placed upon them by any party in the future.

- D. The **AGENCY** shall be responsible for maintenance of the Project in accordance with the following Federally and State accepted standards (current editions at the time of execution of this **AGREEMENT** and any amendments hereafter) and all costs related thereto: (a) FDOT Design Manual (FDM), (b) Florida Green Book, (c) Standard Specifications for Roadway and Bridge Construction, (d) FDOT Standard Plans, (e) Manual on Uniform Traffic Control Devices (MUTCD), and (f) all other applicable local, state, or federal laws, rules, resolutions, or ordinances, and FDOT procedures. In the event of a conflict between documents, standards, and procedures the more stringent shall apply.
- E. Any work impacting traffic flow along SR 7 M.P. 2.590 to M.P 3.086, must be coordinated with the **DEPARTMENT**. Lane closures must be submitted for approval in accordance with **DEPARTMENT** procedures and policies and will meet the goals established in the **DEPARTMENT**'s Open Roads Policy.

#### 4. NOTICE OF MAINTENANCE DEFICIENCIES

- A. If, at any time while the terms of this AGREEMENT are in effect, it shall come to the attention of the DEPARTMENT that the AGENCY's responsibility as established herein or a part thereof is not being properly accomplished pursuant to the terms of this AGREEMENT, the DEPARTMENT may issue a written notice, that a deficiency or deficiencies exist(s), by sending a certified letter to the AGENCY, in care of the CITY OF HOLLYWOOD MANAGER, to place the AGENCY on notice regarding it's maintenance deficiencies. Thereafter, the AGENCY shall have a period of sixty (60) days within which to correct the citied deficiency or deficiencies. It said deficiencies are not corrected within the time period, the DEPARTMENT may, at its option, proceed under one or more or a combination of the following items:
  - 1) The **DEPARTMENT** may repair any item or a number of items. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment, and personnel. The actual cost for such work will be charged to the **AGENCY**.
  - 2) The **DEPARTMENT** may remove or replace any item or number of items with the standard **DEPARTMENT** item. Corrective actions will be performed with the **DEPARTMENT** and/or its independent contractor's materials, equipment, and personnel. The actual cost for such work will be charged to the **AGENCY**.
  - 3) If there is no standard equivalent item or if in the DEPARTMENT's discretion the item is not necessary for the operations of the roadway, the DEPARTMENT may remove the item in its entirety and restore the area to a condition acceptable to the DEPARTMENT. Corrective actions will be performed with the DEPARTMENT and/or its independent contractor's materials, equipment, and personnel. The actual cost for such work will be charged to the AGENCY.

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4) At the discretion of the **DEPARTMENT**, terminate the Agreement in accordance with Section 7 of this Agreement and remove, by the **DEPARTMENT** or its Contractor's personnel, all the **IMPROVEMENTS** installed under this Agreement and charge the **AGENCY** the reasonable cost of such removal.

#### 5. FUTURE DEPARTMENT IMPROVEMENTS

It is understood between the parties hereto that the **IMPROVEMENTS** covered by this Agreement may be removed, relocated, or adjusted at any time in the future as determined to be necessary by the **DEPARTMENT** in order that the adjacent state road be widened, altered, or otherwise changed to meet with future criteria or planning of the **DEPARTMENT**.

#### 6. FUTURE AGENCY IMPROVEMENTS

The **AGENCY** may construct additional **IMPROVEMENTS** within the limits of the rights of ways identified as a result of this document, subject to the following conditions:

- A. Plans for any new **IMPROVEMENTS** shall be subject to approval by the **DEPARTMENT**. The **AGENCY** shall not change or deviate from said plans without written approval by the **DEPARTMENT**.
- B. The **AGENCY** shall procure a permit and/or Construction Agreement from the **DEPARTMENT**, as appropriate.
- C. All **IMPROVEMENTS** shall be developed and implemented in accordance with appropriate state safety and roadway design standards.
- D. The **AGENCY** agrees to comply with the requirements of this Agreement with regard to any additional **IMPROVEMENTS** installed at no cost to the **DEPARTMENT**.

#### 7. AGREEMENT TERMINATION

This Agreement may be terminated under any one (1) of the following conditions:

- A. By the **DEPARTMENT**, if the **AGENCY** fails to perform its duties under this Agreement, following ten (10) days written notice. The **AGENCY** shall reimburse the **DEPARTMENT** for any expenditures for the installation of said **IMPROVEMENTS** and the cost to remove and or replace said improvement with the standard improvement or remove in its entirety.
- B. By the **DEPARTMENT**, for refusal by the **AGENCY** to 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 **AGENCY** in conjunction with this Agreement.

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C. By the **DEPARTMENT** with a six (6) month written notice.

#### 8. AGREEMENT TERM

The term of this Agreement commences upon execution by all parties. The term of this Agreement shall remain in effect for as long as the **IMPROVEMENTS** shall exist.

#### 9. LIABILITY AND INSURANCE REQUIREMENTS

- A. With respect to any of the **AGENCY'S** agents, consultants, sub-consultants, contractors, and/or sub-contractors, such party in any contract for the **IMPROVEMENTS** shall agree to indemnify, defend, save and hold harmless the **DEPARTMENT** from all claims, demands, liabilities, and suits of any nature arising out of, because of or due to any intentional and/or negligent act or occurrence, omission or commission of such agents, consultants, sub consultants, contractors and/or subcontractors. The **AGENCY** shall provide to the **DEPARTMENT** written evidence of the foregoing upon the request of the **DEPARTMENT**. It is specifically understood and agreed that this indemnification clause does not cover or indemnify the **DEPARTMENT** for its own negligence.
- B. In the event that **AGENCY** contracts with a third party to provide the services set forth herein, any contract with such third party shall include the following provisions:
  - 1) **AGENCY'S** contractor shall at all times during the term of this Agreement keep and maintain in full force and effect, at contractor's sole cost and expense, Comprehensive General Liability with minimum limits of \$1,000,000.00 per occurrence combined single limit for Bodily Injury Liability and Property Damage Liability and Worker's Compensation insurance with minimum limits of \$500,000.00 per Liability. Coverage must be afforded on a form no more restrictive that the latest edition of the Comprehensive General Liability and Worker's Compensation policy without restrictive endorsements, as filed by the Insurance Services Office and shall name the **DEPARTMENT** as an additional insured.
  - 2) **AGENCY'S** contractor shall furnish **AGENCY** with Certificates of Insurance of Endorsements evidencing the insurance coverages specified herein prior to the beginning performance of work under this Agreement.
  - 3) Coverage is not to cease and is to remain in full force and effect (subject to cancellation notice) until all performance required of **AGENCY'S** contractor is completed. All policies must be endorsed to provide the **DEPARTMENT** with at least thirty (30) days' notice of cancellation and or/or restriction. If any of the insurance coverages will expire prior to the

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completion of work, copies of renewal policies shall be furnished at least (30) days prior to the date of expiration.

#### **10. E-VERIFY REQUIREMENTS**

#### The **AGENCY** 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 AGENCY for the work performed under this AGREEMENT; and
- 2) Expressly require any contractors 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.

### 11. ENTIRE AGREEMENT

This writing embodies the entire Agreement and understanding between the parties hereto and there are no other Agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby except the construction agreement **2021-C-491-00013** all other **IMPROVEMENTS** not specifically mentioned in this Agreement. The pedestrian lights installed under this project are not eligible for compensation under the State Highway Lighting Maintenance and Compensation Agreement.

## 12. EXPENDITURE OF MONEY

The **DEPARTMENT**, during any fiscal year, shall not expend money, incur any liability, or enter into any contract which, by its terms, involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The **DEPARTMENT** shall require a statement from the Comptroller of the **DEPARTMENT** that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding one (1) year, but any contract so made shall be executory only for the value of the services to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the **DEPARTMENT** which are for an amount in excess of TWENTY-FIVE THOUSAND DOLLARS (\$25,000.00) and which have a term for a period of more than one year.

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#### 13. DISPUTES

The **DEPARTMENT** shall decide all questions, difficulties, and disputes of any nature whatsoever that may arise under or by reason of this Agreement, the prosecution or fulfillment of the service hereunder and the character, quality, amount and value thereof. Should the **AGENCY** disagree with the **DEPARTMENT** decision, the **AGENCY** may pursue any and all legal and equitable remedies available under this agreement.

### 14. ASSIGNMENT

This Agreement may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT**.

#### 15. LAWS GOVERNING

This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. In the event of a conflict between any portion of the contract and Florida law, the laws of Florida shall prevail. The venue for any dispute arising from this Agreement shall be in Broward County, Florida.

#### 16. NOTICES

Any and all notices given or required under this Agreement shall be in writing and either personally delivered with receipt acknowledgement or sent by certified mail, return receipt requested. All notices shall be sent to the following addresses.

#### If to the **DEPARTMENT**:

State of Florida Department of Transportation Attention: District Maintenance Engineer 3400 West Commercial Blvd Ft. Lauderdale, FL 33309-3421

#### If to the **AGENCY**:

The City of Hollywood 2600 Hollywood Boulevard Hollywood, Florida

Attention: Municipal Services Director

## 17. LIST OF EXHIBITS

Exhibit A: Project Location, Description and Project Aerial

Exhibit B: Plans

Exhibit C: Maintenance Plan Requirements

**AGENCY** 

**Financial Services** 

SECTION No: 8610000 PERMIT No: 2021-C-491-00013 COUNTY: Broward

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**IN WITNESS OF THE FOREGOING,** the parties have set their hands and seals the day and year first above written.

# City of Hollywood, a municipal Corporation of the State of Florida DocuSigned by: 10/11/2022 Date: Josh Levy, City Mayor ATTEST: DS DocuSigned by: 10/11/2022 Patricia d. Cerry Date: Patricia Cerny, CMC, City Clerk **APPROVED AS TO FORM & LEGAL** SUFFICIENCY for the use and reliance of the City of Hollywood, Florida, only. DocuSigned by: Douglas Gonzales 10/11/2022 Date Douglas R. Gonzales, City Attorney Approved by: DocuSigned by: 10/10/2022 warred E. Kertin David Keller, Director of

**IN WITNESS OF THE FOREGOING**, the parties have set their hands and seals the day and year first above written.

**DEPARTMENT**:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

Date: 10/27/2022 | 10:02 PM EDT

Approval as to Form:

Sign:

Dawn Raduano, District General Counsel

Date: 10/24/2022 | 1:12 PM EDT

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### **EXHIBIT A**

## PROJECT LOCATION, DESCRIPTION AND AERIAL

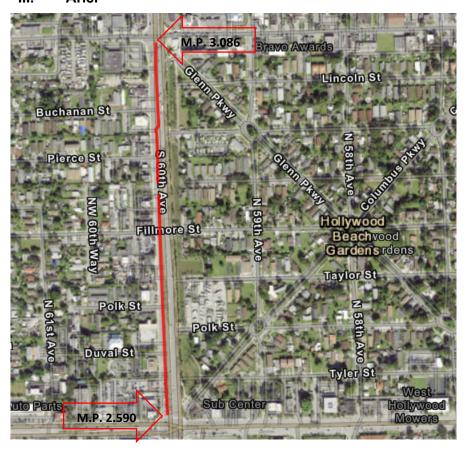
## I. Project Location

The **IMPROVEMENTS** associated with this Agreement are located within the City of Hollywood in Broward County, Florida along SR 7 M.P. 2.590 to M.P 3.086.

## II. Description

The proposed project consists of pedestrian lighting along SR 7 M.P. 2.590 to M.P 3.086.

## III. Ariel



#### **EXHIBIT B**

### **PLANS**

SR 7 LINEAR PARK IMPROVEMENTS Plan by Stefano Viola, PE, Kimley – Horn and Associates, Inc. dated June 22, 2022 , and SR 7 MOBILITY HUB IMPROVEMENTS by Stefano Viola, PE, Kimley – Horn and Associates, Inc. dated June 22, 2022, as approved by the Department.

## SR 7 LINEAR PARK IMPROVEMENTS PLANS (attached)

#### Sheets Included:

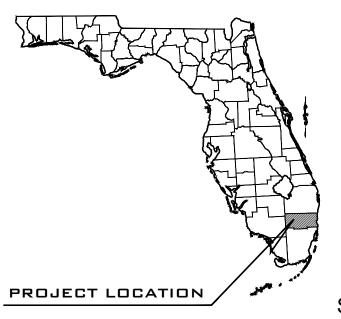
| PDF Page Number (#) | Plan Sheet (#)     | Sheet(s) Description  |
|---------------------|--------------------|-----------------------|
| ,                   | ( )                | . ,                   |
|                     |                    |                       |
|                     |                    |                       |
| 13                  | C000.0             | COVER SHEET           |
| 14                  | C100.0             | GENERAL NOTES         |
| 15-16               | L100.0 thru L100.1 | LIGHTING PLAN         |
| 17                  | L101.0             | LIGHTING DETAILS      |
| 18                  | L101.1             | LIGHT POLE FOUNDATION |
| 19-20               | E100.0 thru E100.1 | ELECTRICAL PLANS      |
| 21                  | E101.0             | ELECTRICAL DETAILS    |
|                     |                    |                       |

## SR 7 MOBILITY HUB IMPROVEMENTS PLANS (attached)

### Sheets Included:

| PDF Page Number (#)                    | Plan Sheet (#)   | Sheet(s) Description   |
|--|--|--|
| 22<br>23<br>24-26<br>27<br>28<br>29-31 | C000.0<br>C100.0<br>L100.0 thru L100.2<br>L101.0<br>L101.1<br>E100.0 thru E100.2<br>E101.0 | COVER SHEET GENERAL NOTES LIGHTING PLAN LIGHTING DETAILS LIGHT POLE FOUNDATION ELECTRICAL PLANS ELECTRICAL DETAILS |
|  |  |  |

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# SR 7 LINEAR PARK **IMPROVEMENTS**

# CITY OF HOLLWOOD



LOCATION

STATE ROAD 7 FROM FILLMORE STREET TO JOHNSON STREET CITY OF HOLLYWOOD, FLORIDA 33024

JOHNSON ST

LINCOLN ST

#### PROJECT LOCATION

### COMMUNITY OFFICIALS

MAYOR JOSH LEVY COMMISSIONER CARYL S. SHUHAM COMMISSIONER LINDA HILL ANDERSON TRACI L. CALLARI COMMISSIONER COMMISSIONER ADAM GRUBER COMMISSIONER KEVIN D. BIEDERMAN COMMISSIONER LINDA SHERWOOD

#### PROJECT TEAM

CLIENT CITY OF HOLLYWOOD 2600 HOLLYWOOD BLVD CITY OF HOLLYWOOD, FL 33022 PHONE: (954) 921-3410 CONTACT: RUDY DAMAS E-MAIL: RDAMAS@HOLLYWOODFL.ORG CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES INC.

8201 PETERS ROAD, SUITE 2200 PLANTATION, FL 33324 PHONE: (954) 535-5133 CONTACT: STEFANO F. VIOLA, P.E. E-MAIL: STEFANO.VIOLA@KIMLEY-HORN.COM

#### **UTILITY PROVIDERS**

AT&T DISTRIBUTION PHONE: (561) 683-2729 CONTACT: DINO FARRUGGIO

PHONE: (813) 888-8300 EXT. 201 CONTACT: STEVE HAMMER

BROWARD COUNTY TRAFFIC **ENGINEERING** PHONE: (954) 847-2745 CONTACT: ROBERT BLOUNT

BROWARD COUNTY WATER AND WASTEWATER SERVICES PHONE: (954) 831-0917 CONTACT: HALINA PLUTA

CITY OF HOLLYWOOD PUBLIC UTILITIES DEPARTMENT PHONE: (561) 314-4445 CONTACT: GREG JEFFRIES

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS

MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA

CITY OF HOLLYWOOD PUBLIC PHONE: (954) 921-3251

CITY OF PEMBROKE PINES PHONE: (954) 518-9095

COMCAST CABLE PHONE: (786) 586-5805 CONTACT: RICARDO DAVIDSON

FDOT PHONE: (954) 847-1996 CONTACT: CHRIS BEAUDRY

FLORIDA GAS TRANSMISSION PHONE: (407) 838-7171 CONTACT: JOSEPH E. SANCHEZ FI ORIDA POWER & LIGHT PHONE: (386) 586-6403 CONTACT: JOEL BRAY

TECO PEOPLES GAS SOUTH FLORIDA PHONE: (813) 275-3783

BUCHANAN PIERCE ST FILLMORE S HOLLYWOOD BLVD

> SCALE 1"=400' VICINITY MAP

CITY OF HOLLYWOOD

Sheet List Table **Sheet Number** Sheet Title C000.0 COVER SHEET C100.0 **GENERAL NOTES** C200.0 KEY SHEET C300.0 **ENGINEERING PLAN** C300.1 **ENGINEERING PLAN** C301.0 TYPICAL CROSS-SECTIONS C302.0 **ENGINEERING DETAILS** C302.1 **ENGINEERING DETAILS ENGINEERING DETAILS** C302.2 L100.0 LIGHTING PLAN L100.1 LIGHTING PLAN L101.0 LIGHTING DETAILS L101.1 LIGHT POLE FOUNDATION E100.0 ELECTRICAL PLAN E100.1 ELECTRICAL PLAN E101.0 **ELECTRICAL DETAILS** 

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SIGNED AND 8 6/22/2022 U

Call before you di 811 or 1-800-432-4770

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

© 2021 KIMLEY-HORN AND ASSOCIATES, INC

PHONE: 954-535-5100 FAX: 954-739-2247

WWW.KIMLEY-HORN.COM CA 00000696

044241042 DATE APRIL 2021 SCALE AS SHOW DESIGNED BY MM RAWN BY CHECKED BY

SR 7 LINEAR PARK IMPROVEMENTS PREPARED FOR

CITY OF HOLLYWOOD

STEFANO F. VIOLA, P.E. FL LICENSE NUMBER 74655 <sub>тғ</sub>. 6/22/2022

LICENSED PROFESSIONA

**COVER SHEET** 

SHEET NUMBER

C000.0

A GENERAL

. GENERAL

ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM EXISTING RIGHT OF WAY.

COUNTY IN THESE NOTES REFERS TO BROWARD COUNTY, CITY IN THESE NOTES REFERS TO THE CITY OF

HOLLYWOOD, STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.

THE FOOT INDICES REFERRED TO IN THE DRAWINGS AND NOTES REFERS TO FLORIDA DEPARTMENT OF

TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND FOOT DETAILS

STANDARDS LATEST EDITION.

ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES, REQULATIONS AND

SPECIFICATIONS OF THE CITY, COUNTY, STATE, FEDERAL TRANSIT ADMINISTRATION (FTA), AND FEDERAL

CODES WAREED ADDICABLE.

SPECIFICATIONS OF THE CITY, COUNTY, STATE, FEDERAL TRANSIT ADMINISTRATION (FTA), AND FEDERAL CODES WHERE APPLICABLE.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.

IN THE EVENT OF A TWO-FLOT BE COMPLET, THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THE SPECIFICATIONS IN THE SPECIFICATION SHOULD SHALL SUBMIT WRITTEN REQUEST FOR CLARRIFICATION TO THE EMIGNEER ALL HANDICAP ACCESSBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES LATEST EDITIONS.

THE CONTRACTOR SCAT AND LOCAL, STATE, AND FEDERAL CODES LATEST EDITIONS.

THE CONTRACTOR SHALL SUBMIT WRITTEN REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES LATEST EDITIONS.

THE CONTRACTION. THE CONTRACTOR SHALL APPLY FOR AND PROCIPIES ALL PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, TOYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.

PROJECT.
RADII DIMENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED

OTHERWISE.

IF ABANDONED GAS, WATER, AND SEWER SERVICE LATERALS ARE ENCOUNTERED DURING EXCAVATION, THE SECTION IN THE EXCAVATED ENVELOPE WILL BE REMOVED AND THE STUB ON THE SIDE CONNECTED TO THE MAIN WILL BE CAPPED, PLUGGED OR OTHERWISE SEALED. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESS AND RESIDENTIAL LOCATIONS BY NORMAL MEANS AND METHODS, I.E. TEMPORARY STEEL PLATES, LIMEROCK, ETC. ALL ASSOCIATED COST TO BE INCLUIDED IN M.O.T. PAY ITEM.

CONTRACTOR FOR SHELD HOTELY BROWARD COUNTY TRAFFIC ENGINEERING DIVISION 72 HOURS PRIOR TO WORK

CONTRACTOR SHALL NOTIFY SEROWARD COUNTY TRAFFIC ENGINEERING DIVISION 72 HOURS PRIOR TO WORK
WITHIN COUNTY RIGHT-OF-WAY.
 CONTRACTOR SHALL NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO WORK
WITHIN STATE RICHT-OF-WAY.
 ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE
STRUCTURES PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REWOVED BY CONTRACTOR AND
DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S
EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT
 EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE
CONTRACTOR.

EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR. OUR TRACTOR IN ASSESSING THE MATURE. AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTREED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS RECARDING THE ACTUAL CONDITIONS THAT WILL BE NECOUNTREDD AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE SITE CONDITIONS OF THE PROJECT AND FULLY SATISTY THEMSELVES OF BOTH THE SURFACE AND SUBSURFACE CONDITIONS AND BASE THEIR PRICING ACCORDINGLY, GOTECHNICAL REPORT IS INCLUDED IN THE CONTRACT OF SHALL PRESENTS. ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. CONTRACTOR SHALL PRESENTS. ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. CONTRACTOR TO THE COUNTRY OR CITY AS APPLICABLE, INCLUDING AFFECTED AREAS OUTSIDE OF THE SCOPE OFF WORK.

. DUTING STALL PRESERVE ALL SINCE I SIGNS, BEND'ES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE COUNTY OR CITY AS APPLICABLE, INCLUDING AFFECTED AREAS OUTSIDE OF THE SCOPE BY THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

9. APPENDED AT NO ADDITIONAL COST TO THE OWNER.

9. APPENDED AT NO ADDITIONAL COST TO THE OWNER.

10. THE AMOUNT OF EACH OF THE MATERIALS PROVIDED IS THE ESTIMATED AMOUNT REQUIRED TO COMPLETE THE JOB. THESE QUANTITIES ARE ESTIMATED ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THEY JOB. THESE COCROPANCE WITH THE CONTRACT DOCUMENTS. SHOULD ADDITIONAL MATERIALS BE REQUIRED THEY WILL BE PAID FOR AT THE CONTRACT UNIT PRICES AS DESCRIBED IN THE BID DOCUMENTS.

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILIES THAT REMAIN IN PLACE.

2. ALL ROAD ORGSINGS ARE CPELL CUT UNLESS OTHERWISE NOTED ON THE DRAWNINGS. ETC. WITH THE AT NO ADDITIONAL COST.

A THE OND THE AND THE ADDITIONAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.

SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTICE BY THE ENGINEER AT NO ADDITIONAL COST.

24. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OSTAINING WRITTEN PERMISSION FROM THE OWNER.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANLY RIREGIANDON SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURTENCE OF ANY RIREGIANDON SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURTENANCES SHALL BE CONSIDERED INCORDITATE TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK. ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDUITS, CURBS, SABLES, TREES, SOOL, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTOR SHALL BE THE SOLE PROPERTY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDUITS, CURBS, SABLES, TREES, SOOL, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT, OT THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEM SUBCONTRACTORS AT NO ADDITIONAL COST. CONTRACTORS OPERATIONS AND/OR THESE SUBCONTRACTORS AT NO ADDITIONAL COST. CONTRACTOR SHOW THE ADDITIONAL COST. CONTRACTOR OR RESPONSIBLE TO REMOVE AND REINSTALL ALL BRICK OR PAVER DRIVEWAYS IMPACTED BY CONSTRUCTION, ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE CONTRACTOR OR REPLACE WHEN AND AS DIRECTED BY THE REMOVERS AND THE PROPERTY DAMAGED BY HIS/HER WORK, SOLIMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS OF REPLACE WHEN AND AS DIRECTED BY THE REMOVERS OF THIS SUBCONTRACTOR OR REPLACE WHEN AND AS DIRECTED BY THE PROMISED OF AND ADDITIONAL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE CONTRACTOR OR OR PEPALCE. WHEN AND AS DIRECTED BY THE REMOVERS OR THOSE OF HIS SUBCONTRACTOR SHALL ADJUST ALL EXISTING SURFACE FEATURES SUCH AS EXISTING FRAMES

B. CONSTRUCTION SAFETY

ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVOKES (MUTCO) SHALL BE STRICTLY OBSERVED.

. TRENCH SAFETY ACT
CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5") ARE REQUIRED, THE CONTRACTOR SHALL
INCLUDE THE FOLLOWING, INFORMATION IN THE BD:
2.1 A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF
CONSTRUCTION OF THE PROJECT.
2.2 WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH
CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
2.3. A SEPARATE ITEM DENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
STANDARDS. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION
LISTED IN ITEM 2 ITO THE ENGINEER PRIOR TO STARTING WORK.

2.2.

2.3

D SURVEY DATA

ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS. ANY MAVD -1988 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTITY:

GEODETIC INFORMATION CENTER ATTN: MARK MAINTANENCE SECTION N/CG-162 6001 EXECUTIVE BLVD. ROCKVILLE, MARYLAND 20852 PHONE: 301-443-8319

II. PRECONSTRUCTION RESPONSIBILITIES

GENERAL UPON RECEIPT OF THE "NOTICE OF AWARD", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND THE ENGINEER OF RECORD, AND HOLD HIS MANDATORY BUT BEFORE FOR ECONSTRUCTION CONFERENCE AFTER ISSUANCE OF THE CONTRACTS "NOTICE OF AWARD" BUT BEFORE HEALTH AND ADTE. CONTRACTOR MAY NOT BEGIN WORK BEFORE ACTUAL CONSTRUCTION

DATE.
THE CONTRACTOR SHALL OBTAIN A SUNSHINE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. BEGINNING ANY EXCAVATION.

PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION ELEVATION, AND MATERIAL OF ALL EXISTING UTILITES WITHIN THE AREA OF CONSTRUCTION.

EXISTING UTILITY LOCATION SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT

SHOWN.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE

REVISIONS

CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED

EXISTING UTILITES SHALL BE MAINTAINED IN SERVICE DURING CUNSTRUCTION UNLESS UTIENTISE. AFFROVED
BY THE UTILITY OWNER.
 THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT
OF UTILITY FEATURE ETC. AS NECESSARY TO COMPLETE THE WORK.
 THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE
OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
 THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION
LINES OR UNDERGROUND UTILITIES.
 CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING/RECORDING EXISTING SITE CONDITIONS USING
PHOTOGRAPHS/MICEO RECORDINGS PRIOR TO START OF CONSTRUCTION. CONTRACTOR TO PROVIDE COPY OF
RECORDS TO CITY AND ENGINEER OF RECORD FOR RECORD PURPOSES.

III. INSPECTIONS

A. GENERAL

THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTICE PRIOR TO BACKFILLING OR COMPLETING THE INSPECTION OF THE FOLLOWING ITEMS SO THE ENGINEER OF RECORD CAN PERFORM FIELD OBSERVATIONS OF THE FOLLOWING ITEMS:

STORM DRAINAGE

WATER MAIN SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF R LIMEROCK BASE: SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR

INSPECTIONS WILL BE MADE BY THE COUNTY AND THE CITY OF HOLLYWOOD (PLUMBING AND ELECTRICAL). THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.

IF THE CONTRACTOR FAILS TO NOTHEY THE ENGINEER OF RECORD PRIOR TO COMPLETING THE ABOVE, THE
RIGHTER RESERVES THE RIGHT NOT TO ISSUE ANY CERTIFICATIONS OR FINAL INSPECTIONS.

IV. SHOP DRAWINGS

DEINEITAL

PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, HITINGS, AND APPURIENANCES, PRIOR TO SUBMITTING SHOP DEMINISS, AND INTERPRIVED FOR THE CONTRACTOR SHALL REVIEW AND SHAPPIOUS THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FORM THE EVENEER FLANS OR SPECIFICATIONS. MOVIMOUAL SHOP DRAWINGS FOR ALL PRECAST STUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTABLE FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

TEMPORARY UTILITIES LIMIT OFFAINT OFFICENCES AND SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

C. TEMPORARY FACILITIES

TRAFFIC REGULATION

MAINTENANCE OF TRAFFIC IN THE PUBLIC BIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD. A
MAINTENANCE OF TRAFFIC IN THE PUBLIC BIGHT-OF-WAY
MAINTENANCE OF TRAFFIC IN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING
MUSTSDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC BIGHT-OF-WAY.
ALL OPEN TRENCHES AND HOLES ADJACCTOT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED
AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

NO TRENCHES OR HOLES MEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN
DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE CITY.

2. TEMPORARY FACILITIES

THE CONTRACTORS ON-SITE EQUIPMENT, STOCK PILED MATERIAL, AND SUPPLIES SHALL BE KEPT IN A SECURE, FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT SUPERVISING THE STAGING OR LAY DOWN AREA.

STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY OR PUBLIC RIGHT-0F-WAY WITHOUT APPROVAL FROM THE CITY OF HOLLYWOOD.

CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY STREET LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS WAS EXISTING PRIOR TO THE START OF CONSTRUCTION, ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND MAINTAINING LIGHTING TO BE INCLUDED IN MO.T. PAY TIEM.

HE CONTRACTOR SHALL CONDITIONED SECURITY OF MO.T. PAY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE CITY OF HOLLYWOOD.

CLEANING UP

A. CLEANING UP

DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH, THE PAYED AREAS SHALL BE SWEPT BROOM CLEAN, BY THE ENGINEER OR THOSE OF THIS SUBCONTRACTORS OF SCHOOL OF STEER AND ALL STATE OF THE SUBCONTRACTORS OF SCHOOL OF STEER AND ALL DO ALL RESTS ALL DO ALL RESTS AND ALL DO ALL RESTS AND ALL SHALL DO ALL RECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.

WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DICHES, DRIVEN, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS HALL BE REMOVED AND SAITS-ACTORILY DISPOSED OF DURING PROGRESS OF THE WORLD COMPLETION OF THE PROPOSED AND AND ALTORATION SYSTEM, AND CLEAN THE REMOVED AND COMPLETION OF THE PROPOSED AND AND SAITS HEW AND DESTRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

HE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF MEW AND DESTRING SYSTIME AND CLEAN THE EXISTING STRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

PROJECT RECORD DOCUMENTS

FROUGL'I RECOND DOCUMEN'IS

THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.

PRIOR TO THE PLACEMENT OF ANY ASPHALL TO CONCRETE PAYMENT, THE CONTRACTOR SHALL

SUBMIT TO THE ENGINEER "AS-BUILT" PLANS (SIGNED AND SEALED BY A FLORIDA CERTIFIED

PROFESSIONAL LAND SURVEYOR) SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER

MPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE

IMPROVEMENTS, PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILTS."

3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING BASE MATERIAL.

4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALL SUBJUIT INFORMATION SUBJUITED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AS-BUILT INFORMATION SUBJUITED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR HE MERCHEMENTS CONSTRUCTED.

5. ALL "AS-BUILT" INFORMATION SUBJUITED TO THE ENGINEER SHALL SUBJUIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION.

6. IJPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBJUIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION AND SEALED BY A FEGISTER CERTIFIED PROFESSIONAL LAND SURVEYOR) AS REQUIRED FOR SUBJUITAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.

7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SEWER, PANNIG, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.

7. ALL "AS-BUILT" INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, HITTINGS, FIRE HYDRANIS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.

SPACING.
THE COST OF SIGNED AND SEALED AS-BUILTS AND CADD FILES SHALL BE INCLUDED IN THE COST OF THE OVERALL BID.

VII. EARTHWORK

DATE BY

V. GENERAL
NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
ALL SUB-GRADE UNDER PAYED AREAS SHALL BE 12" THICK AND HAVE A MIMIMUM LIBR VALUE OF 40. AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180.
ALL FILL MATERIAL IN AREAS NOT TO BE PAYED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180.
WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED HEN UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAYED SHALL BE ROMOVED TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER

TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER OF THE PAXING.
SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180 THREE (3) FEET BEYOND THE PERIMETER OF PAVING.
CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF WORK UNLESS OTHERWISE NOTED ON PLANS. IF NO LIMIT OF WORK INDICATED, STORED ON PLANS. IF NO LIMIT OF WORK INDICATED. STORED ON PLANS. IF NO LIMIT OF WORK IS INDICATED, SHOWN ON THE PLANS OF THE PLANS OF

PLACEMENT OF SOD.

10. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF FIVE (5) FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.

11. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, DRAINAGE, WATER, SEWER, CURBING,

SIDEWALK, FENCING, ETC., SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL OF AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTREUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 6 INCHES. ITEMS DESIGNATED TO OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

VIII. PAVING

OLINILIVAL
ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE
AND PRIOR TO THE PLACEMENT OF THE PAWEMENT, ALL REPAIRS TO EXISTING PAYEMENT SHALL RESE
SAM-CUTE DESS PRIOR TO RELATING ASPHALT, ALL EXISTING PAYEMENT, LIMEROCK AND SUB-GRADE THAT
IS AFFECTED AND NOT PART OF THE CONSTRUCTION PROJECT SHALL BE PROPERLY RESTORED AT THE
CONTRACTOR'S EXPENSE.

MATERIALS MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA

DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE SP 9.5 & FC 12.5 ASPHALTIC CONCRETE.

C. INSTALLATION

IMMEROCK BASE MATERIAL SHALL BE 12" THICK AND COMPACTED TO 96% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

IMMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" OF IMMEROCK BASE MATERIAL SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 96% OF THE MAXIMUM DENSITY AS DETERMINED BY A SHIFT. THE NAME OF THE MAXIMUM DENSITY AS DETERMINED BY A SHIFT. THE NAME OF THE MAXIMUM DENSITY AS DETERMINED TO A SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS. TACK COAT SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS. TACK COAT SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS.

TACK COAT SHALL BE PLACED ON ALL DISTORD LIBR MINIMUM OF 100.

BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE WIGNITY HAS BEEN TISSTED AND ACCEPTED UNTIL:

WEARING COURSES SHALL NOT BE PLACED UNTIL:

MIGHT CAUSE DAMAGE TO THE FINAL DIT OF DETERMINE IF THERE IS ANY REMAINING WORK THAT

MIGHT CAUSE DAMAGE TO THE FINAL DIT OF DETERMINE IF THERE IS ANY REMAINING WORK THAT

ALL LANDSCAPING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.

3. ALL LURDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISHED ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

. IESTING
ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE
ENGINEER AND PER THE CITY OF HOLLYWOOD REQUIREMENTS.
DENSITY TESTS SHALL BE CONDUCTED EVERY 200 FEET AND TWO FEET AWAY FROM ANY MANHOLE OR
DRAINAGE STRUCTURE INSTALLED IN PAYED AREAS.

IX. SIGNING AND MARKING

ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND CITY OF HOLLYWOOD

STANDARDS.
ALL PAYEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL
PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAYEMENT MARKINGS
ONE BI-ORECTIONAL YELLOW REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 40' INTERVALS ON
EACH SIDE OF DOUBLE YELLOW STRIPES.
BI-ORECTIONAL AMBER/ANBER REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT

ALL BULLMOSES.
BI-DIRECTIONAL WHITE/RED REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAYEMENT OR BIKE LANE LINES).
REFLECTIVE PAYEMENT MARKERS SHALL BE CLASS B WARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED. DCEDURES. SIGNING SHALL BE FARRICATED LISING TYPE XLISHEFTING AS PER BROWARD COUNTY TRAFFIC

ALL SIGNING SHALL BE FABRICATED USING TYPE XI SHEETING, AS PER BROWARD COUNTY TRAFFIC ENOINCERING DIVISION STANDARDS (CURRENT EDITION).
ALL PAKEMENT MARKINGS AND SIGNING DAMAGED DURING CONSTRUCTION. SHALL BE RESTORED TO BROWARD COUNTY TRAFFIC ENGINEERING DIVISION.
EXISTING MARKINGS SHALL BE REMOYED BY WATER BLASTING ONLY.
SEE SIGNING AND MARKING DETAILS FOR ADDITIONAL INFORMATION.
ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS CITY IS NOTHED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

X. PLANTING & SODDING

X. PLANTING & SODDING.

1. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.

2. SOD SHALL BE ST, AUGUSTINE BITTER BILUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOLD AND AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

3. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

4. CONTRACTOR SHALL REMOVE ALL ROAD ROCK, CONCRETE, ASPHALT, AND OTHER NON NATURAL MATERIAL FROM PLANTING SHEAS AND REPLACE WITH PLANTING SOIL PRIOR TO LANDSCAPE INSTALLATION.

5. WORK SHALL INCLUDE MINITERANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

5. HE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND STREED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHALL DAMAGE AND PLANT. EXISTING TREES/LANDSCAPING KILLED OR DAMAGED SO THAT THEY ARE MISSIBLE FOR ALL WATER AND A PLANT. EXISTING TREES/LANDSCAPING KILLED OR DAMAGED SO THAT THEY ARE MISSIBLE FOR ALL SHALL BE REPLACED AT THE COST TO THE CONTRACTOR.

7. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL BOYS OF PRECENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0.

8. MUCK (PROTATION FOR THE AND THE EXTRANSPORT OF THE STREAM FOR THE STREA

CONTRACTOR SHALL PROVIDE SALIS-ACTIONT WAITER FROM SUGGESTION TO THE OWNER.
WATERING/RRIGATION RESTRICTIONS MAY APPLY — REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
WATERING/RRIGATION SHALL RINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP
TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR WILLOW DEPTH. THIS CONTRACTOR
SHALL FINIC GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR
WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SIZE
ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO
SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM
THE DIM NUMBER.

WITH FRONT-END LOADER FOR TRANSPORTING SOLI, WITHIN THE STIE.

2. ALL PLANTING AREAS STALL BE GRADED AND MAINTAINED FOR POSITIVE DRANNAGE TO

SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM

SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM

3. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING

AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER: ALL MORTAR, CEMENT, AND TOXIC MATERIAL. SHALL NOT

AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER: ALL MORTAR, CEMENT, AND TOXIC MATERIAL. SHALL NOT BE MIXED WITH THE

SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY

ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE

OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES

THE RESPONSIBILITY OF THE CONTRACTOR.

4. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO BACKFULL THESE PLANATING AREAS TO A MINIMUM DEPTH OF 35°.

WON THE ACTION AND ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE

CONDITIONS OCCUR! IN PLANTED AREAS AFTER 36° DEEP EXCAVATION BY THE CONTRACTOR, AND

ADEQUATE PERCOLATION CON NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT

ADDRESSES POOR DRAINAGE. AT ALL TIMES, METHODS CUSTOMARY IN GOOD FORTICULTURAL PRACTICES

SHALL BE EXERCISED.

5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE

MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON

ARRIVAL AT THE SITE. PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED DINTIL

REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED, IF, IN THE OPINION OF THE OWNER, TO POPENSING IS NECESSARY AFTER ROLLING TO FILL THE YOUNG BETWEEN THE SOO PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOO, DEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOO AND THOROUGHLY WATERED IN, FERTILUZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL

JTHORITY.

JINIO BLUVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL

T ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNINECESSARY EXPOSURE OF THE ROOTS T

IE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT

JOHNOTETIPE

AND MOISIURE.
WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE
CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE—SODDING OF ALL ERODED, SUNKEN OR
BARE SPOTS (LARGER THAN 12 MIZ) UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S
REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING
REGORADING IS NECESSARY).

REPRESENTATIVE, REPAIRED SOODING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING RECARDING IF NECESSATE).

2. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM—CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNERS, AUTHORIZED REPRESENTATIVE.

2. ALL THAT AND A PROMITION OF ALL DEBRIS HIS CONTRACT SHALL BE MAINTAINED BY WATERING.

2. ALL THAT AND A PROMITION OF ALCEPTABLE OF A PROMITION OF A SHALL BE AND A SHALL BY WATERING. GUY SUPPORTS! NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACT RUNTIL CEPTIFICATION OF ACCEPTABILITY BY THE OWNERS REPRESENTATIVE. MAINTENANCE AFTER THE CEPTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMERCING A GTER ACCEPTANCE.

25. THE LIFE AND SATISFACTORY CONDITION OF ALL FOR ALL FOR ALL FOR ALL FOR ANY MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR OF AN IMMINION OF ONE (1) CALENDAR YEAR COMMENCING A BY THE CONTRACTOR OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

REPRESENTATIVE. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY

THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S CALENDAY YEAR CUMMENDING AT THE TIME OF CENTRICATION OF THE MERPESENTATIVE.

REPLACEMENT: AND PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER COPERMIT, ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THIS.T. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT IN ADDITIONAL COST TO THE OWNER.

ADDITIONAL COST TO THE OWNER. IN THE CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MANTENANCE. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERFODICALLY DURING THE ONE YEAR WARRANTY PERFOD TO EVALUATE MAINTENANCE PROCEDURES EINC PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THE OWNER THE O

XI. MAINTENANCE OF TRAFFIC

TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT TRAFFIC PLANS, THE CURRENT EDITION OF THE FDOT STANDARD PELANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIATIONS FOR ROAD, AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCO)

OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANULO IN UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.

THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS OF THE PROPAGE OF THE ENGINEER. FOR THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT AS THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT STANDALD OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT STANDALD OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE SITURD OF THE P

9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC MAINTENANCE IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN BIO.

10. AT THE END OF EACH WORK PERIOD, ANY DROP—OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 102—600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRER AT THE CONTRACTOR'S EXERNES.

11. CONTRACTOR SHALL NOTIFY BROWARD COUNTY TRAFFIC ENGINEERING DIVISION 49 HOURS PRIOR OT ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE NORMAL MAINTENANCE OF THE SUSTING TRAFFIC SIGNAL(S) WITHIN THE PROLECT LIMITS. COST OF REARRANGING TRAFFIC SIGNAL HEADS AND MAINTAINING TRAFFIC SIGNALS TO BE INCLUDED IN THE BID.

12. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT. CONTRACTOR IS TO SUBMIT A PROPOSED METHOD OF MAINTAINING ACCESS TO THESE PROPERTIES TO ENGINEER FOR REVEW PRIOR TO INSTALLATION. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.

13. MO.T TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED STANDARD AND ADMINISTRATED TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. WORK SHALL BE DONE WITH A SPHALLTC CONCRETE TYPE "S' AND SHALL INCLUDE ASPHALT SLOPE REMOVAL WHEN NO LONGER NEEDED.

14. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PEDESTRIAN WAY ON ONE SIDE OF THE ROADWAY AT ALL TIMES, PEDESTRIAN WAY SHALL HAVE SMOOTH SUFFRICE AND BE OFFICIAL BY AND THE BID.

15. AT THE ETHOR OF EACH WENT SHALL BE PROTECTED WITH MAINTAIN AND YOR CORDEN MAINTAINED USING APPROVED WARNING CORNEY SHALL

XII. CITY OF HOLLYWOOD LANDSCAPING REQUIREMENTS

ALL DAMAGED LANDSCAPING INCLUDING GROUND COVER WILL BE REPLACED TO EQUAL OR BETTER CONDITION.

ALL ABOVE OR BELOW GROUND ROOT PRUNING WILL BE DONE IN ACCORDANCE WITH THE CITY OF HOLLYWOOD CODE AND BY A REGISTERED CERTIFIED TREE ARBORIST.

 DIRECTIONAL BORE WITH A MINIMUM 10 FOOT CLEARANCE UNDER ANY TREE (S) LARGER THAN 20 FEET TALL IN A CIRCUMFERENCE OF THE LEAF DRIP LINE. ALL RUTS IN THE SOD, SWALES, BERMS AND SLOPES MUST BE FILLED AND SODDED BEFORE FINAL INSPECTION.

CONTRACTOR TO SUBMIT A TREE REMOVAL PERMIT FOR ALL TREES PROPOSED TO BE REMOVED IN CONFLICT WITH PROPOSED SCOPE OF WORK FOR PROJECT AND NOTIFY THE CITY LANDSCAPE INSPECTOR AT GSALAZAROHOLLYWOOD/LORG PRIOR TO COMMENCEMENT OF WORK.

XIII. MATERIAL SELECTION

LICENSED PROFESSIONAL

STEFANO F. VIOLA, P.E.

FL LICENSE NUMBER

ATF: 6/22/2022

1 ALL MATERIALS TO BE ETA BUY AMERICA CERTIFIED

SIGNED AND 6/22/2022 DOCUMEN SEALED , IFIED ON BEEN DIGITALLY S VIOLA, P.E., ON 1 JRE. AND MERI THIS ITEM HAS BEEN BY STEFAND F. WOLA DIGITAL SIGNATURE. PRINTED COPIES OF T CONSIDERED SIGNED A SIGNATURE MUST BE A BEN A SHIP NO 74655

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FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

**GENERAL NOTES** 

**Kimley** » Horn © 2021 KIMLEY-HORN AND ASSOCIATES, INC 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247

WWW.KIMLEY-HORN.COM CA 00000696

044241042 DATE APRIL 2021 SCALE AS SHOW DESIGNED BY MIN DRAWN BY

SV

CHECKED BY

SR 7 LINEAR PARK IMPROVEMENTS PREPARED FOR CITY OF HOLLYWOOD

CITY OF HOLLYWOOD

C100.0

SHEET NUMBER

Call before you di

811 or 1-800-432-4770

MAX/MIN: 10:1 OR LESS

FDOT LIGHTING CRITERIA FOR PEDESTRIAN WALKWAYS NOT ADJACENT TO THE ROADWAY: AVERAGE: 2.5 FC
AVERAGE/MIN: 4:1 OR LESS

CITY OF HOLLYWOOD CODE OF ORDINANCES RESIDENTIAL PROPERTY LINE CRITERIA. MAXIMUM 0.5 HORIZONTAL FC AT PROPERTY LINE.

|        | ed Luminaire Location Summary |    |
|--------|-------------------------------|----|
| Projec | t: SR 7 LINEAR PARK           |    |
| LumNo  | Tag                           | Z  |
| 48     | Type_2_3                      | 13 |
| 49     | Type_4_3                      | 13 |
| 50     | Type_2_2                      | 13 |
| 51     | Type_2_2                      | 13 |
| 52     | Type_2_2                      | 13 |
| 53     | Type_4_3                      | 13 |
| 54     | Type_2_2                      | 13 |
| 55     | Type 2 1                      | 13 |
| 56     | Type_4_2                      | 13 |
| 57     | Type 2 2                      | 13 |
| 58     | Type 2 2                      | 13 |
| 59     | Type 2 2                      | 13 |
| 60     | Type 2 2                      | 13 |
| 61     | Type_2_2                      | 13 |
| 62     | Type_5_4                      | 13 |
| 63     | Type_5_4                      | 13 |
| 64     | Type_2_2                      | 13 |
| 65     | Type_5_4                      | 13 |
| 66     | Type_5_4                      | 13 |
| 67     | Type_4_1                      | 13 |
| 68     | Type_2_1                      | 13 |
| 69     | Type_5_4                      | 13 |
| 70     | Type_2_1                      | 13 |
| 71     | Type_4_3                      | 13 |
| 72     | Exist RDWY light 1            | 40 |

NOTES:

1. THE LOCATIONS OF THE LIGHT POLES ARE DIAGRAMMATIC ONLY AND MAY BE SHIFTED TO ACCOMMODATE LOCAL CONDITIONS AND EXISTING UTILITY LOCATIONS, ENGINEER APPROVAL IS REQUIRED FOR POLE SHIFTS GREATER THAN 5 FEET IN ANY DIRECTION.

DIRECTION.

AGENCY FOR FINAL ACCEPTANCE OF LIGHTING SYSTEMS.

3. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN EXISTING PUBLIC RIGHT OF WAY.

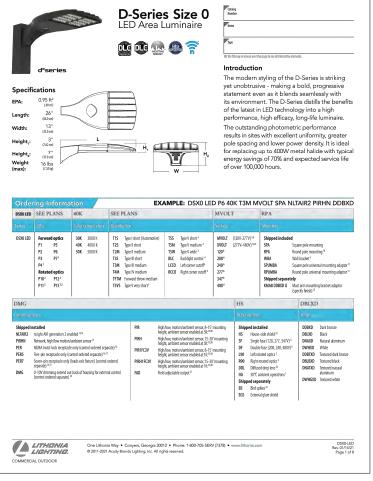
4. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.

DAMAGED DURING LIGHT POLE INSTALLATION.

6. LIGHT POLES INTENDED TO BE INSTALLED IN SOD/MULCH AREAS, ANY DAMAGED LANDSCAPE SHALL BE RESTORED AT NO ADDITIONAL COST TO THE CITY.

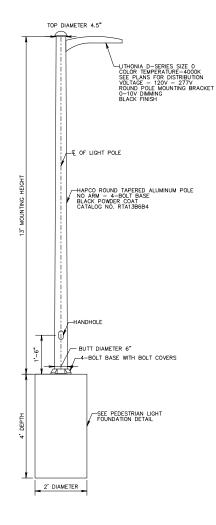
| Calculation Summary            |             |       |      |     |     |         |         |  |
|--------------------------------|-------------|-------|------|-----|-----|---------|---------|--|
| Project: SR 7 LINEAR PARK      |             |       |      |     |     |         |         |  |
| Label                          | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |  |
| 1 BRIDGE (FILLMORE & BUCHANAN) | Illuminance | FC    | 3.10 | 5.0 | 1.0 | 3.10    | 5.00    |  |
| 1_SR Non-Adjacent (FILMORE &   | Illuminance | Fc    | 2.68 | 6.9 | 0.7 | 3.83    | 9.86    |  |
| BUCHANAN)                      |             |       |      |     |     |         |         |  |
| 2_BUCHANAN ST SIDEWALK         | Illuminance | Fc    | 2.66 | 4.0 | 0.8 | 3.33    | 5.00    |  |
| 2_PARK LIGHTING                | Illuminance | Fc    | 2.61 | 4.6 | 0.7 | 3.73    | 6.57    |  |
| Property line_1                | Illuminance | Fc    | N.A. | 0.4 | 0.0 | N.A.    | N.A.    |  |
| Property line 2                | Illuminance | Fc    | N.A. | 0.2 | 0.0 | N.A.    | N.A.    |  |

| Luminaire Schedule |        |                    |                              |           |  |  |
|--------------------|--------|--------------------|------------------------------|-----------|--|--|
| Project: SR        | 7 LINE | AR PARK            |                              |           |  |  |
| Symbol             | Qty    | Tag                | Label                        | Luminaire |  |  |
|                    |        |                    |                              | Watts     |  |  |
| -                  | 1      | Exist_RDWY light_1 | ATBL_G_XXXXX_R2              | 279       |  |  |
| ₩                  | 3      | Type 2 1           | DSX0 LED P1 40K T2M MVOLT HS | 38        |  |  |
| 4                  | 10     | Type_2_2           | DSX0 LED P2 40K T2M MVOLT HS | 49        |  |  |
| ₩                  | 1      | Type 2 3           | DSX0 LED P3 40K T2M MVOLT HS | 71        |  |  |
| 4                  | 1      | Type_4_1           | DSX0 LED P1 40K T4M MVOLT HS | 38        |  |  |
| ₩                  | 1      | Type 4 2           | DSX0 LED P2 40K T4M MVOLT HS | 49        |  |  |
| 4                  | 3      | Type_4_3           | DSX0 LED P3 40K T4M MVOLT HS | 71        |  |  |
| ₹0                 | 5      | Type 5 4           | DSX0 LED P4 40K T5W MVOLT    | 92        |  |  |





NOTE;
THE PROPOSED FIXTURE IS APPROVED BY THE MAINTAINING AGENCY AND SHALL BE THE ONLY FIXTURE USED.



LIGHT POLE DETAIL NOT TO SCALE



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALER BY WICHOLAS J. CLANELO, P.E., ON 6/22/2022 USING A DIGITAL SIGNATURE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNED AND SEALED AND YELECTRONIC CONSIDERED SIGNED BY AND THE SIGNED WAS THE OWN ANY ELECTRONIC

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FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

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PHONE: 954-535-5100 FAX: 954-739-2247

WWW.KIMLEY-HORN.COM CA 00000696

044241042 DATE APRIL 2021 SCALE AS SHOWN DESIGNED BY MM DRAWN BY CHECKED BY

SR 7 LINEAR PARK IMPROVEMENTS PREPARED FOR

CITY OF HOLLYWOOD

NICHOLAS J. CLAVELO LIGHTING DETAILS SHEET NUMBER

L101.0

8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324

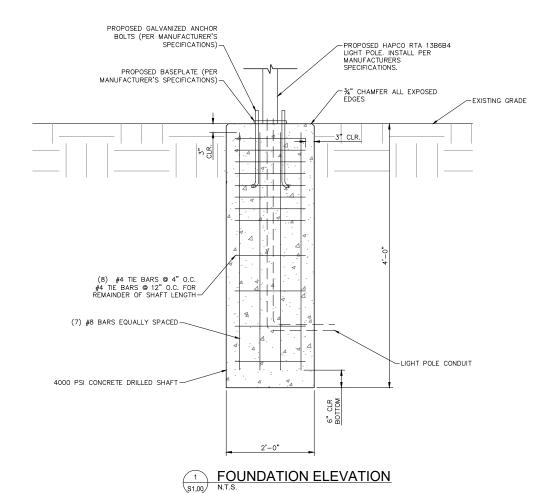
CITY OF HOLLYWOOD

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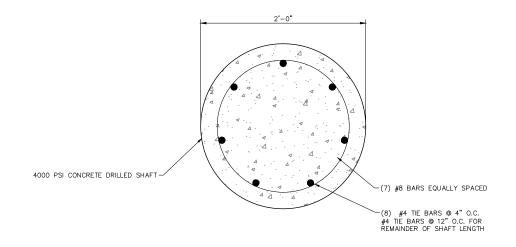
FL LICENSE NUMBER 84366

LICENSED PROFESSIONAL

NTE: 6/22/2022



NOTE: ELECTRICAL DESIGN BY OTHERS.



## GENERAL NOTES

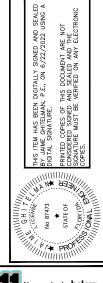
#### I. REINFORCED CONCRETE

- ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE PUBLICATIONS ACI 301 AND ACI 318.
- 2. CURING OF CONCRETE SHALL BE IN STRICT ACCORDANCE WITH ACI 301 PROVISIONS.
- 3. ALL STRUCTURAL CONCRETE SHALL WITH A HIGH EARLY STRENGTH CONCRETE WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 4. USE NORMAL WEIGHT CONCRETE (135 PCF MIN.) FOR ALL STRUCTURAL MEMBERS. DO NOT USE CALCIUM CHLORIDE IN ANY CONCRETE. ALL STRUCTURAL CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.40.
- 5. PROVIDE A 6 INCH SLUMP WITH A TOLERANCE OF +/- 1 INCH
- 6. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6 INCHES AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED ABOVE IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4 INCH PUMP. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END, AND FOR CYLINDER TESTING AT DISCHARGE END.
- WATER SHALL NOT BE ADDED TO CONCRETE AT THE JOBSITE UNLESS SPECIFIC AUTHORIZATION IS INDICATED ON THE DELIVERY TICKET. NOTIFY ENGINEER OF TOTAL QUANTITY OF WATER ADDED TO ANY TRUCK. REPEAT NECESSARY TESTING IF WATER IS ADDED AFTER INITIAL SAMPLING.
- 8. COARSE AGGREGATE SHALL CONFORM TO ASTM C33. PEAROCK AGGREGATE SHALL NOT BE USED.
- 9. ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL FORMS SHALL BE FREE OF STANDING WATER.
- 10. ALL CONCRETE SHALL BE VIBRATED IN PLACE IN ACCORDANCE WITH ACI RECOMMENDED PRACTICES. NO PLACING OF CONCRETE WILL BE COMMENCED UNLESS THERE ARE TWO OPERABLE CONCRETE VIBRATORS ON THE JOB SITE.
- 11. CONCRETE COVER OVER REINFORCING STEEL SHALL BE 3 IN UNLESS OTHERWISE NOTED.
- 12. PROVIDE 3/4 INCH CHAMFERS ON ALL EXPOSED EDGES ADJACENT TO EXPANSION JOINTS, EXCEPT AS OTHERWISE NOTED.
- 13. FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO FIBERGLASS, PLASTIC, AND CONCRETE BLOCK. BAR SUPPORTS PLACED ATOP VAPOR BARRIERS SHALL BE CONCRETE BLOCK
- 14. ANY TIES, STRAPS OR OTHER METALLIC FORMWORK ITEMS SHALL BE REMOVED TO A DEPTH OF 1-1/2 INCHES MINIMUM BELOW FINISHED CONCRETE SURFACE. CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH ACI 301.
- 15.1. FORMED SURFACES SHALL RECEIVE A SMOOTH-FORM FINISH IN ACCORDANCE WITH ACL 301. OFFSET BETWEEN ADJACENT 15.1. FORMED SURFACES SHALL RECEIVE A SMOUTH-FORM FINISH IN ACCORDANCE WITH ACT 301. OFFS:1 BELWEEN ADJACENT PIECES OF FORMWORK FACING MATERIAL SHALL NOT EXCEED "CLASS A" TOLERANCE REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. OFFSET).

  15.2. SLAB SURFACES SHALL RECEIVE A TROWELED FINISH IN ACCORDANCE WITH ACI 301. FINISH TOLERANCES SHALL BE IN ACCORDANCE WITH "VERY FLAT" CLASSIFICATION REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. IN 10 FEET).

  15.3. WHERE A NONSULP FINISH IS REQUIRED, GIVE THE SURFACE A BROOM FINISH OR DRY—SHAKE APPLICATION OF FINELY CRUSHED ABRASIVE PARTICLES.

- 16. COORDINATE SIZE, TYPE AND LOCATION OF ALL PENETRATIONS, CONDUIT, CHAMFERS AND EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
- 17. DO NOT IMPOSE SERVICE LOADS ON CONCRETE ELEMENTS UNTIL THE CONCRETE HAS REACHED ITS SPECIFIED MINIMUM COMPRESSIVE STRENGTH.
- 18. ALL GROUT SHALL BE NON-SHRINK, NON-METALLIC.
- ALL CONCRETE SHALL INCLUDE CORROSION INHIBITING ADMIXTURE DCI—S BY WR GRACE (4.0 GAL/CY) OR APPROVED EQUIVALENT.
- II. REINFORCING STEEL
- REINFORCING STEEL SHALL BE OF DOMESTIC MANUFACTURE AND IN ACCORDANCE WITH ASTM A615 WITH SUPPLEMENT, GRADE 60; MAXIMUM WORKING STRESS OF 24,000 PSI.
- 2. TOLERANCES FOR REINFORCING BAR FABRICATION SHALL CONFORM TO THE CURRENT CRSI MANUAL OF STANDARD PRACTICE.
- 3. ALL REINFORCING STEEL SHALL BE UNCOATED (BLACK) DEFORMED BARS AND SHALL BE FREE FROM LOOSE RUST, SCALE OR
- 4. ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS. VERIFY THAT PLACEMENT OF REINFORCING STEEL WILL NOT CONFLICT WITH SUBSEQUENT INSTALLATION OF ANCHOR BOLTS, FASTENERS OR FIELD—DRILLED COMPONENTS.
- 5. UNLESS OTHERWISE NOTED, LAP BOTTOM STEEL OVER STRUCTURAL SUPPORTS AND TOP STEEL AT MIDSPAN.
- 6. ALL LAP LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318, ACI 530 AND CRSI STANDARD PRACTICES, U.O.N.
- 7. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS U.O.N.
- 8. ACI STANDARD HOOKS SHALL BE USED AS A MINIMUM, U.O.N.
- 9. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- 10. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS PLACING DRAWINGS OR SHOP DRAWINGS.
- 11. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318 AND SUBMIT DRAWINGS SHOWING LOCATIONS AND DIRECTION OF POUR FOR ENGINEER'S REVIEW. PROVIDE KEYWAYS AND ADEQUATE DOWELS AT ALL CONSTRUCTION JOINTS.
- PROVIDE REINFORCING STEEL ERECTOR WITH A SET OF STRUCTURAL DRAWINGS FOR FIELD USE. INSPECT REINFORCING STEEL PLACEMENT FROM SHOP DRAWINGS.



now what's below Call before you dig 811 or 1-800-432-4770

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

 ${\color{red} {\rm NOTE:}}$  LIGHT POLE AND ANCHOR BOLTS NOT SHOWN FOR CLARITY. © 2021 KIMLEY-HORN AND ASSOCIATES, INC 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696

DATE BY

REVISIONS

SECTION A-A

044241042 DATE APRIL 2021 SCALE AS SHOW DESIGNED BY MM

RAWN BY

CHECKED BY

SR 7 LINEAR PARK IMPROVEMENTS PREPARED FOR

18

CITY OF HOLLYWOOD

CITY OF HOLLYWOOD

FL LICENSE NUMBER 87473 TE: 6/22/2022

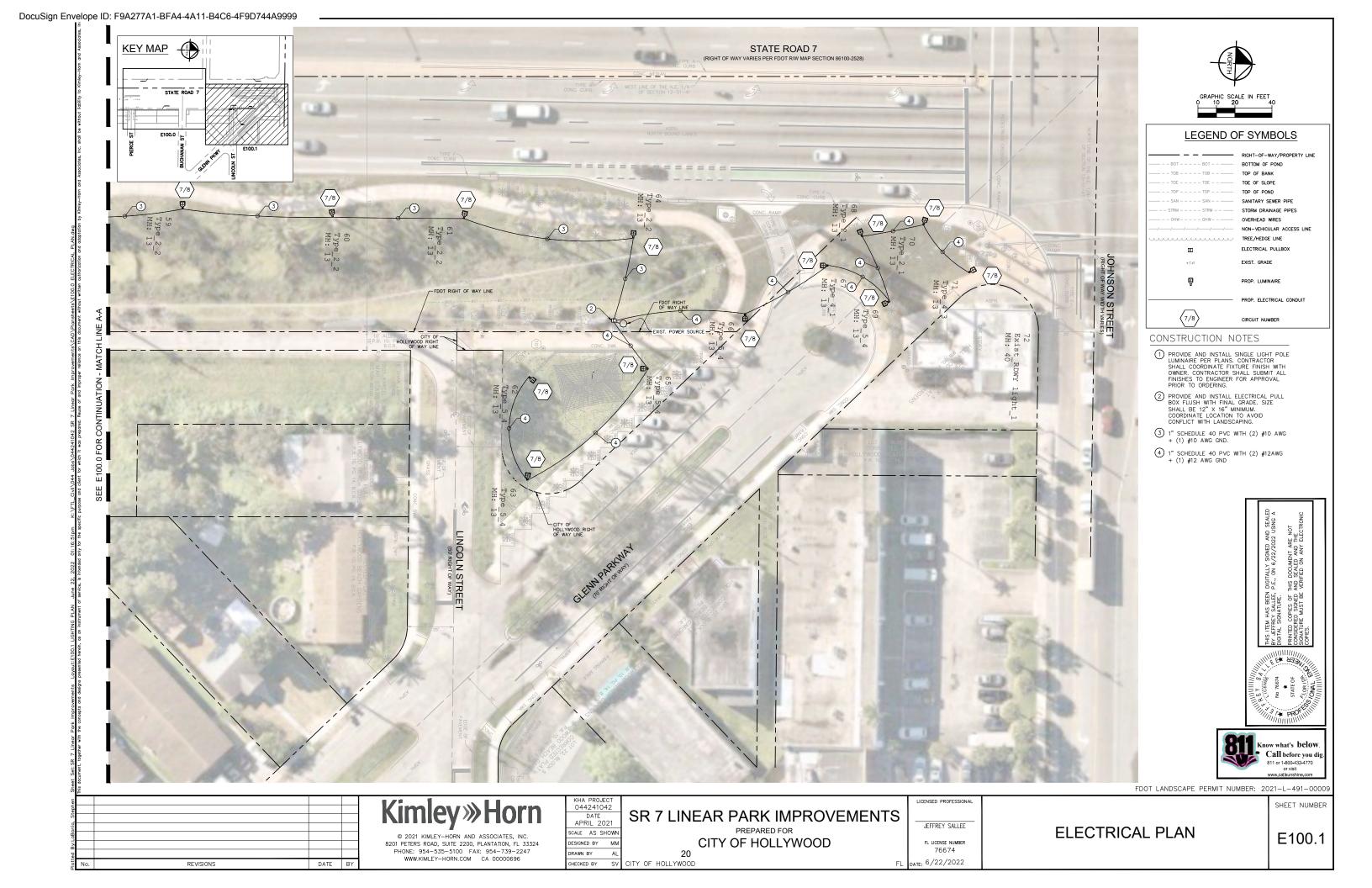
LICENSED PROFESSIONAL

JAIME GHITELMAN, P.E.

LIGHT POLE FOUNDATION

SHEET NUMBER

L101.1



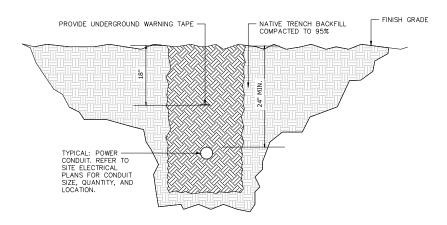
|       |                   | Source* | Source | Condus  | Conductor |      |            |        |          |          |         |       | **%    |
|-------|-------------------|---------|--------|---------|-----------|------|------------|--------|----------|----------|---------|-------|--------|
| Point | Point Name        | Point   | Amps   | Type    | Type      | Wite | Size/Qual  | ntity  | Load (A) | Distance | Voltage | Phase | Vdrop  |
| ι .   | 170 / 240 1 ph 25 | 12175   | 12,175 |         | 1         |      | 1          | •      |          | i :      |         |       |        |
| 2     | Light 64          | 1       | 12,175 | NM      | Copper    | 1    | Set of     | 10     | 3 291667 | 50       | 240     | 1     | 0.15%  |
| 3     | Light 61          | 2       | 3,396  | NM      | Copper    | 1    | Set of     | 10     | 3.0875   | 98       | 240     | 1     | 0.43%  |
| 4     | Light 60          | 3       | 1,407  | NM      | Copper    | ı    | Set of     | 10     | 2.883333 | 75       | 240     | 1     | 0.63%  |
| 5     | Light 59          | 4       | 972    | NM      | Copper    | 1    | Secof      | 10     | 2 679167 | 85       | 740     | 1     | 0.84%  |
| 6     | Light 58          | 5       | 717    | NM      | Copper    | 1    | Set of     | 10     | 2 475    | 67       | 240     | 1     | 0.99%  |
| 7     | Light 57          | 6       | 596    | NM      | Copper    | ı    | Set of     | 10     | 2.270833 | 70       | 240     | 1     | 1.14%  |
| 8     | Light 56          | ,       | 506    | NM      | Copper    | ı    | Secof      | 10     | 7.066667 | 33       | 740     | 1     | 1.20%  |
| 9     | Light 55          | 8       | 472    | NM      | Copper    | 1    | Set of     | 10     | 1 8625   | 30       | 240     | 1     | 1.25%  |
| 10    | Light 54          | 9       | 446    | NM      | Copper    | 1    | Set of     | 10     | 1.704167 | 65       | 240     | 1     | 1.35%  |
| 11    | Light 53          | 10      | 397    | NM      | Copper    | ı    | Set of     | 10     | 1.5      | 37       | 240     | 1     | 1.40%  |
| 12    | Light 52          | 11      | 374    | NM      | Copper    | 1    | Secof      | 10     | 1 204167 | 65       | 240     | 1     | 1.47%  |
| 13    | Light 51          | 12      | 339    | NM      | Copper    | 1    | Set of     | 10     | 1        | 88       | 240     | 1     | 1.55%  |
| 14    | Light 50          | 13      | 301    | NM      | Copper    | 1    | Set of     | 10     | 0.795833 | 97       | 240     | 1     | 1.62%  |
| 15    | Light 49          | 14      | 267    | NM      | Copper    | l    | Secof      | 10     | 0.591667 | D,       | 740     | 1     | 1.66%  |
| 16    | Light 48          | 15      | 247    | NM      | Copper    | 1    | Set of     | 10     | 0 295833 | 52       | 240     | 1     | 1.68%  |
|       |                   | Source* | Source | Conduit | Conductor |      |            |        |          |          |         |       | **%    |
| Paint | Point Name        | Point   | Amps   | Туре    | Type      | Win  | e Size/Qua | intity | Load (A) | Distance | Voltage | Phase | Vdrop  |
| ı     | 120 / 240 1 ph 25 | 12175   | 12,175 |         |           |      |            | ]      |          |          | [       |       |        |
| 2     | Light 66          | 1       | 12,175 | NM      | Copper    | ι    | Set of     | 1.2    | 1.5375   | 75       | 240     | 1     | 0.16%  |
| 3     | Light 67          | 2       | 1,699  | NM      | Copper    | 1    | Set of     | 12     | 1.154167 | 57       | 240     | 1     | 0.26%  |
| 4     | Light 69          | 3       | 1,027  | NM      | Copper    | 1    | Set of     | 12     | 0.995833 | 45       | 240     | 1     | 0.32%  |
| 5     | Light 68          | 4       | 783    | NM      | Copper    | 1    | Set of     | 12     | 0.6125   | 43       | 240     | 1     | 0.36%  |
| 6     | Light 70          | 5       | 638    | NM      | Copper    | ı    | Set of     | 12     | 0.454167 | 38       | 240     | 1     | 0.38%  |
| - 1   | Light /1          | б       | 548    | NM      | Copper    | 1    | Set of     | 12     | 0.295K33 | 41       | 240     | 1     | 41.40% |
|       |                   | Source* | Source | Conduit | Conductor |      |            |        |          |          |         |       | **%    |
| Point | Point Name        | Point   | Amps   | Type    | Type      | Wire | e Size/Qua | ntity  | Load (A) | Distance | Voltage | Phase | Vdrop  |
| 1     | 120 / 240 1 ph 25 | 17175   | 57,175 |         |           |      |            |        |          |          |         |       |        |
| 2     | Light 65          | 1       | 22.175 | MM      | Copper    | 1    | Set of     | 12     | 1.15     | 36       | 240     | 1     | 0.06%  |
| 3     | Light 63          | 2       | 3.075  | NM      | Copper    | 1    | Set of     | 12     | 0.766667 | 95       | 240     | 1     | 0.16%  |
| 4     | Light 62          | 3       | 1.034  | NM      | Copper    | 1    | Sut of     | 12     | 0.383333 | 65       | 240     | 1     | 0.20%  |

(A) VOLTAGE DROP CALCULATIONS

NOT TO SCALE

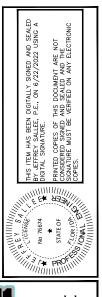
| Е                    | XISTING PA    | ANEL  |           |           |         |
|----------------------|---------------|-------|-----------|-----------|---------|
| VOLTAGE 120/240      |               | Р     | ANEL BUS  | 100       | AMPS    |
| PHASE, WIRES 19 3W   |               |       | MAIN      | A08       | BREAKER |
| SCCR (AMPS) 10,000   |               |       |           |           |         |
| SCURCE UT'LITY       |               |       |           |           |         |
| DESCRIPTION          | VA            | CB    | CKT       | A         | В       |
| SPACE                | 0             |       | 1         | 0.0       | i       |
| MAIN CIRCUIT BREAKER | 0             | 60/2  | 2         |           | 0.0     |
| MAIN CINCOLL BREAKEN | °             |       | 3         | 0.0       |         |
| EXISTING LIGHTING    | 3840          | 20/2  | 4         |           | 16.0    |
| ENATING EIGETHING    | 3040          | 2012  | 5         | 16 C      |         |
| EXISTING PHOTOCELL   | 100           | 20/1  | ] 0       |           | 0.8     |
| LISHTING             | 1435          | 20/2  | 7         | 60        |         |
| LIGHTIAG             | 1433          | 2012  | 6         |           | 6.0     |
|                      |               |       | TOTALS    | 22 C      | 22.8    |
| LOAD CALCULATIONS A  | DURTOTAL OUG. | 50.75 |           |           |         |
|                      | SUBTOTAL (VA) | 5375  |           |           |         |
| +25%                 | PER NEC (VA)  |       |           |           | •••     |
|                      | TOTAL (VA)    | 6719  | @ 240V 16 | 5 = 28 AN | IPS .   |

B PANEL SCHEDULE
NOT TO SCALE



C TRENCH DETAIL

NOT TO SCALE



Know what's below.

Call before you dig.
811 or 1-800-432-4770
or visit
www.callsunshine.com

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-00009

No. REVISIONS DATE BY

Kimley»Horn

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CHECKED BY

SV CITY OF HOLLYWOOD

SR 7 LINEAR PARK IMPROVEMENTS
PREPARED FOR

CITY OF HOLLYWOOD

JEFFREY SALLEE

PL LICENSE NUMBER
76674

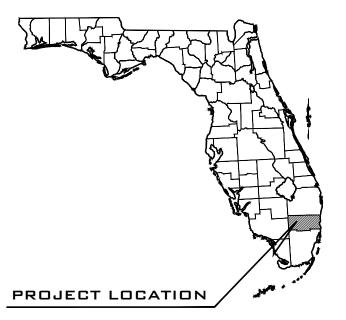
ELECTRICAL DETAILS

LICENSED PROFESSIONAL

ATE: 6/22/2022

SHEET NUMBER

E101.0



# SR 7 MOBILITY HUB **IMPROVEMENTS**

CITY OF HOLLWOOD



LOCATION

STATE ROAD 7 FROM HOLLYWOOD BOULEVARD TO FILLMORE STREET CITY OF HOLLYWOOD, FLORIDA 33024

#### PROJECT LOCATION

#### COMMUNITY OFFICIALS

MAYOR COMMISSIONER CARYL S. SHUHAM COMMISSIONER LINDA HILL ANDERSON COMMISSIONER TRACI L. CALLARI COMMISSIONER ADAM GRUBER COMMISSIONER KEVIN D. BIEDERMAN COMMISSIONER LINDA SHERWOOD

#### PROJECT TEAM

CLIENT

CITY OF HOLLYWOOD 2600 HOLLYWOOD BLVD CITY OF HOLLYWOOD, FL 33022 CONTACT: RUDY DAMAS E-MAIL: RDAMAS@HOLLYWOODFL.ORG CIVIL ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC. PLANTATION, FL 33324 CONTACT: STEFANO F. VIOLA, P.E. E-MAIL: STEFANO.VIOLA@KIMLEY-HORN.COM

#### **UTILITY PROVIDERS**

AT&T DISTRIBUTION PHONE: (561) 683-2729 CONTACT: DINO FARRUGGIO

PHONE: (813) 888-8300 EXT. 201 CONTACT: STEVE HAMMER

BROWARD COUNTY TRAFFIC PHONE: (954) 847-2745

BROWARD COUNTY WATER AND WASTEWATER SERVICES PHONE: (954) 831-0917 CONTACT: HALINA PLUTA

CITY OF HOLLYWOOD PUBLIC UTILITIES DEPARTMENT PHONE: (561) 314-4445 CONTACT: GREG JEFFRIES

CITY OF HOLLYWOOD PUBLIC WORKS DEPARTMENT PHONE: (954) 921-3251 CONTACT: PETER BIENIEK

CITY OF PEMBROKE PINES PHONE: (954) 518-9095 CONTACT: DENA MANNING

COMCAST CABLE PHONE: (786) 586-5805 CONTACT: RICARDO DAVIDSON

PHONE: (954) 847-1996 CONTACT: CHRIS BEAUDRY

FLORIDA GAS TRANSMISSION PHONE: (407) 838-7171 CONTACT: JOSEPH E. SANCHEZ FLORIDA POWER & LIGHT PHONE: (386) 586-6403 CONTACT: JOEL BRAY

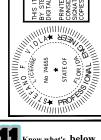
TECO PEOPLES GAS SOUTH FLORIDA PHONE: (813) 275-3783 CONTACT: JOAN DOMNING

FILLMORE TAYLOR : POLK ST

> SCALE 1"=400' VICINITY MAP

|              | · · <del>-</del> · - · · · · · · · · · |
|--------------|--|
| Sheet Number | Sheet Title                            |
| C000.0       | COVER SHEET                            |
| C100.0       | GENERAL NOTES                          |
| C200.0       | KEY SHEET                              |
| C300.0       | ENGINEERING PLAN                       |
| C300.1       | ENGINEERING PLAN                       |
| C300.2       | ENGINEERING PLAN                       |
| C300.3       | ENGINEERING PLAN                       |
| C301.0       | TYPICAL CROSS-SECTIONS                 |
| C302.0       | ENGINEERING DETAILS                    |
| C302.1       | ENGINEERING DETAILS                    |
| C302.2       | ENGINEERING DETAILS                    |
| L100.0       | LIGHTING PLAN                          |
| L100.1       | LIGHTING PLAN                          |
| L100.2       | LIGHTING PLAN                          |
| L101.0       | LIGHTING DETAILS                       |
| L101.1       | LIGHT POLE FOUNDATION                  |
| E100.0       | ELECTRICAL PLAN                        |
| E100.1       | ELECTRICAL PLAN                        |
| E100.2       | ELECTRICAL PLAN                        |
| E101.0       | ELECTRICAL DETAILS                     |

**Sheet List Table** 



Call before you di

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION



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| KHA PROJECT<br>044241043 |                   |
|--------------------------|-------------------|
| DATE<br>APRIL 2021       | SR 7 MOB          |
| SCALE AS SHOWN           |                   |
| DESIGNED BY MM           |                   |
| DRAWN BY AL              | 22                |
| CHECKED BY SV            | CITY OF HOLLYWOOD |

SR 7 MOBILITY HUB IMPROVEMENTS PREPARED FOR

CITY OF HOLLYWOOD 22

| STEFANO F. VIOLA  |  |
|-------------------|--|
| FL LICENSE NUMBER |  |
| 74655             |  |
| ATE: 6/22/2022    |  |

LICENSED PROFESSIONA

**COVER SHEET** 

SHEET NUMBER

C000.0

## GENERAL NOTES

#### I. APPLICABLE CODES

#### A GENERAL

- A. CENERAL

  ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM EXISTING RIGHT OF WAY.

  COUNTY IN THESE NOTES REFERS TO BROWARD COUNTY, CITY IN THESE NOTES REFERS TO THE CITY OF HOLLYWOOD, STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.

  THE FOR THOIDCES REFERED TO IN THE DRAWINGS AND NOTES REFERS TO FLORIDA DEPARTMENT OF TRANSPORTATION (FOOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND FOOT DESIGN STANDARDS, LATEST EDITION.

  ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES, REGULATIONS AND SPECIFICATIONS OF THE CITY, COUNTY, STATE, FEDERAL TRANSIT ADMINISTRATION (FTA) BUY AMERICA, AND FEDERAL CODES WHERE APPLICABLE.

  THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.

  IN THE EVENT OF A COMPLICE REFINEED THE CONTRACTOR SHALL SUBMIT WRITTEN FEQUEST FOR CLARRICATION TO THE SOCIALTIONS ONCLET THE CONTRACTOR SHALL SUBMIT WRITTEN FEQUEST FOR CLARRICATION TO THE ENGINEER.

  ALL HANDICAP ACCESSIBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES, LATEST EDITIONS.

  THE CONTRACTOR SHALL SUBMIT WRITTEN FEQUEST FOR CLARRICATION TO THE SENGINEER.

  ALL HANDICAP ACCESSIBLE ACCESS TO CONFORM WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND LOCAL, STATE, AND FEDERAL CODES, LATEST EDITIONS.

  THE CONTRACTOR IS REQUIRED TO 0 STAND ALL APPLICABLE CONSTRUCTION PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, ROYALLES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.

  RADII DIMBENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED

- PROJECT.
  RADII DIMENSIONS AND ELEVATIONS ARE TO BE EDGE OF PAVEMENT AND FINISH GRADE UNLESS NOTED
- OTHERWISE.

  IF ABANDONED GAS, WATER, AND SEWER SERVICE LATERALS ARE ENCOUNTERED DURING EXCAVATION, THE SECTION IN THE EXCAVATED ENVELOPE WILL BE REMOVED AND THE STUB ON THE SIDE CONNECTED TO THE MAIN WILL BE CAPPED, PLUGGED OR OTHERWISE SEALED. CONTRACTOR TO MAINTAIN ACCESS TO BUSINESS AND RESIDENTIAL LOCATIONS BY NORMAL MEANS AND METHODS, I.E. TEMPORARY STEEL PLATES, LIMEROCK, ETC. ALL ASSOCIATED COST TO BE INCLUIDED IN M.O.T. PAY ITEM.

  CONTRACTOR FOR SHELD HOTELY BROWARD COUNTY TRAFFIC ENGINEERING DIVISION 72 HOURS PRIOR TO WORK

- CONTRACTOR SHALL NOTIFY SEROWARD COUNTY TRAFFIC ENGINEERING DIVISION 72 HOURS PRIOR TO WORK
  WITHIN COUNTY RIGHT-OF-WAY.
   CONTRACTOR SHALL NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO WORK
  WITHIN STATE RICHT-OF-WAY.
   ITEMS IN CONFLICT WITH DESIGN SUCH AS EXISTING CURBS AND GUTTERS, SIDEWALKS, DRAINAGE
  STRUCTURES PAVEMENT AND BASE AND EXCESS EXCAVATIONS ARE TO BE REWOVED BY CONTRACTOR AND
  DISPOSED OF IN A LEGAL AND PROPER MANNER AWAY FROM THE JOB SITE AT THE CONTRACTOR'S
  EXPENSE UNLESS THE ITEMS ARE TO BE REUSED ON THE PROJECT
   EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE
  CONTRACTOR.
- EXCESS MATERIAL REMOVED BY THE CONTRACTOR WILL BE DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR. OUR TRACTOR IN ASSESSING THE MATURE. AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTREED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS RECARDING THE ACTUAL CONDITIONS THAT WILL BE NECOUNTREDD AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE SITE CONDITIONS OF THE PROJECT AND FULLY SATISTY THEMSELVES OF BOTH THE SURFACE AND SUBSURFACE CONDITIONS AND BASE THEIR PRICING ACCORDINGLY, GOTECHNICAL REPORT IS INCLUDED IN THE CONTRACT OF SHALL PRESENTS. ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. CONTRACTOR SHALL PRESENTS. ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. CONTRACTOR TO THE COUNTRY OR CITY AS APPLICABLE, INCLUDING AFFECTED AREAS OUTSIDE OF THE SCOPE OFF WORK.
- . DUTING STALL PRESERVE ALL SINCE I SIGNS, BEND'ES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVER SAID PUBLIC PROPERTY TO THE COUNTY OR CITY AS APPLICABLE, INCLUDING AFFECTED AREAS OUTSIDE OF THE SCOPE BY THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

  9. APPENDED AT NO ADDITIONAL COST TO THE OWNER.

  9. APPENDED AT NO ADDITIONAL COST TO THE OWNER.

  10. THE AMOUNT OF EACH OF THE MATERIALS PROVIDED IS THE ESTIMATED AMOUNT REQUIRED TO COMPLETE THE JOB. THESE QUANTITIES ARE ESTIMATED ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE THEY JOB. THESE COCROPANCE WITH THE CONTRACT DOCUMENTS. SHOULD ADDITIONAL MATERIALS BE REQUIRED THEY WILL BE PAID FOR AT THE CONTRACT UNIT PRICES AS DESCRIBED IN THE BID DOCUMENTS.

  1. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILIES THAT REMAIN IN PLACE.

  2. ALL ROAD ORGSINGS ARE CPELL CUT UNLESS OTHERWISE NOTED ON THE DRAWNINGS. ETC. WITH THE AT NO ADDITIONAL COST.

  A THE OND THE AND THE ADDITIONAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.

- SAME TYPE OF MATERIAL HAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE RIGINEER AT NO ADDITIONAL COST.

  24. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OBTAINING WRITTEN PERMISSION FROM THE OWNER.

  25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY RIRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURPOSELY CAUSED TO ANY RIRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURPOSELY CAUSED TO ANY RIRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURPOSELY CAUSED TO ANY RIRIGATION SYSTEMS, PRIVATE OR PUBLIC WITHIN THE PROJECT LIMITS. THE APPURPOSE SHALL BE CONSIDERED INCIDENTAL TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK, ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILET OF THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, PIPES, CONDITIS, CURBS, CABLES, TREESS, SOD, LANDSCAPE ITEMS, ETC. WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEIR SUCCONTRACTORS AT HOS ADMINISTRACT, CONTRACTOR SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF THEIR SUCCONTRACTORS AT HOS ADMINISTRATION OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF REPLACE WHEN AND ADMINISTRACTOR SHOWN OF THE PROJECT OF THE CONTRACTOR OF REPLACE WHEN AND ADMINISTRACTOR SHOWN OF THE CONTRACTOR OF REPLACE WHEN AND ADMINISTRACT OR THE PROJECT OF THE RUNDIER, ANY PUBLIC CONSTRUCTION, REPAIR OR REPLACE ALL ASPHALT, CONCRETE, DIVER MAY SHAP WE DEVELOP THE CONTRACTOR OF THE PROJECT OF THE RUNDIER, ANY PUBLIC CONSTRUCTION ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED AS PART OF THE CONTRACTOR SHALL AND RESPONSIBLE TO REMOVE AND REINSTALL ALL BRIVEY OR PROJECT OF THE RUNDIER, ANY PUBLIC CONSTRUCTION AND ADMINISTRACT OR THE RUNDIER FOR PROJECT.

  25. CONTRACTOR SHALL AND ASSOCIATED WITH

- B. CONSTRUCTION SAFETY

- ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVOKES (MUTCO) SHALL BE STRICTLY OBSERVED.

- 2.2.
- . TRENCH SAFETY ACT
  CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
  WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5") ARE REQUIRED, THE CONTRACTOR SHALL
  INCLUDE THE FOLLOWING, INFORMATION IN THE BD:
  2.1 A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF
  CONSTRUCTION OF THE PROJECT.
  2.2 WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH
  CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
  2.3. A SEPARATE ITEM DENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
  STANDARDS. WHEN A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION
  LISTED IN ITEM 2 ITO THE ENGINEER PRIOR TO STARTING WORK.
- ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE AS-BUILTS. ANY MAVD -1988 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, NOTITY:
  - GEODETIC INFORMATION CENTER ATTN: MARK MAINTANENCE SECTION N/CG-162 6001 EXECUTIVE BLVD. ROCKVILLE, MARYLAND 20852 PHONE: 301-443-8319

## II. PRECONSTRUCTION RESPONSIBILITIES

- GENERAL UPON RECEIPT OF THE "NOTICE OF AWARD", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, AND THE ENGINEER OF RECORD, AND HOLD HIS MANDATORY BUT BEFORE FOR ECONSTRUCTION CONFERENCE AFTER ISSUANCE OF THE CONTRACTS "NOTICE OF AWARD" BUT BEFORE HEALTH AND ADTE. CONTRACTOR MAY NOT BEGIN WORK BEFORE ACTUAL CONSTRUCTION
- DATE.
  THE CONTRACTOR SHALL OBTAIN A SUNSHINE CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- BEGINNING ANY EXCAVATION.

  PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION ELEVATION, AND MATERIAL OF ALL EXISTING UTILITES WITHIN THE AREA OF CONSTRUCTION.

  EXISTING UTILITY LOCATION SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT
- SHOWN.
  THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
  IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE

REVISIONS

- CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
  EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED

- 7. EXISTING UTILITES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS UTILITATION.

  BY THE UTILITY OWNER.

  8. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURE ETC. AS NECESSARY TO COMPLETE THE WORK.

  9. THE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.

  10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.

  11. CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING/RECORDING EXISTING SITE CONTITIONS USING PROFESSIONAL PHOTOGRAPHS/VIDEO RECORDINGS PRIOR TO START OF CONSTRUCTION. CONTRACTOR TO PROVIDE COPY OF RECORDS TO CITY AND ENGINEER OF RECORD FOR RECORD PURPOSES.

#### III. INSPECTIONS

#### A. GENERAL

- THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTICE PRIOR TO BACKFILLING OR COMPLETING THE INSPECTION OF THE FOLLOWING ITEMS SO THE ENGINEER OF RECORD CAN PERFORM FIELD OBSERVATIONS OF THE FOLLOWING ITEMS:

  STORM DRAINAGE
- WATER MAIN
  SUBGRADE; SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF R
  LIMEROCK BASE: SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR
- INSPECTIONS WILL BE MADE BY THE COUNTY AND THE CITY OF HOLLYWOOD (PLUMBING AND ELECTRICAL). THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICE.

  IF THE CONTRACTOR FAILS TO NOTHEY THE ENGINEER OF RECORD PRIOR TO COMPLETING THE ABOVE, THE
  RIGHTER RESERVES THE RIGHT NOT TO ISSUE ANY CERTIFICATIONS OR FINAL INSPECTIONS.

#### IV. SHOP DRAWINGS

DEINEITAL

PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VALVES AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, HITINGS, AND APPURIENANCES, PRIOR TO SUBMITTING SHOP DEMINISS, AND INTERPRIVED FOR THE CONTRACTOR SHALL REVIEW AND SHAPPIOUS THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FORM THE EVENEER FLANS OR SPECIFICATIONS. MOVIMOUAL SHOP DRAWINGS FOR ALL PRECAST STUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTABLE FOR PRECAST STRUCTURES.

#### V. TEMPORARY FACILITIES

#### TEMPORARY UTILITIES

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

- TRAFFIC REGULATION

  MAINTENANCE OF TRAFFIC IN THE PUBLIC BIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD. A
  MAINTENANCE OF TRAFFIC IN THE PUBLIC BIGHT-OF-WAY
  MAINTENANCE OF TRAFFIC IN MUST BE APPROVED BY THE GOVERNMENTAL ENGINEERING DIVISION HAVING
  MUSTSDICTION FOR THE SECTION OF ROADWAY BEFORE STARTING WORK IN THE PUBLIC BIGHT-OF-WAY.
  ALL OPEN TRENCHES AND HOLES ADJACCTOT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED
  AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

  NO TRENCHES OR HOLES MEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN
  DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE CITY.

#### C. TEMPORARY FACILITIES

- 2. TEMPORARY FACILITIES

  THE CONTRACTORS ON-SITE EQUIPMENT, STOCK PILED MATERIAL, AND SUPPLIES SHALL BE KEPT IN A SECURE, FENCED AND LOCKED LOCATION WHEN CONTRACTOR IS NOT SUPERVISING THE STAGING OR LAY DOWN AREA.

  STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY OR PUBLIC RIGHT-0F-WAY WITHOUT APPROVAL FROM THE CITY OF HOLLYWOOD.

  CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY STREET LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS WAS EXISTING PRIOR TO THE START OF CONSTRUCTION, ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND MAINTAINING LIGHTING TO BE INCLUDED IN MO.T. PAY TIEM.

  HE CONTRACTOR SHALL CONDITIONED SECURITY OF MO.T. PAY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE CITY OF HOLLYWOOD.

- A. CLEANING UP

  DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH, THE PAYED AREAS SHALL BE SWEPT BROOM CLEAN, BY THE ENGINEER OR THOSE OF ITS SUBCONTRACTORS OF SCHOOL OF STEER AND ALL STEEL AND ALL STEEL AND ALL SHALL BO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE ESCINING OF DEFEAST REQUIRED. AND REFITER TO THE EXISTING CONDITION IMMEDIATELY PRIOR TO THE ESCINING OF OFFERATIONS. TO THIS END, THE CONTRACTOR SHALL DO ALL RECESSARY HIGHWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
  WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SAITS-ACTORILY DISPOSED OF DURING PROGRESS OF THE WORLD COMPLETION OF THE PROPOSED AND AND SAITS-ACTORILY DISPOSED OF DURING PROGRESS OF THE WORLD COMPLETION OF THE PROPOSED AND AND SAITS HEW AND ELSING SYSTEM, AND CLEAN THE EXISTING STRUCTURES AND DRAINAGE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.

  HE CONTRACTOR IS RESPONSIBLE FOR CLEANING OF AND UPON COMPLETION OF THE PROPOSED.

- PROJECT RECORD DOCUMENTS
- FROUGL'I RECOND DOCUMEN'IS

  THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.

  PRIOR TO THE PLACEMENT OF ANY ASPHALL TO CONCRETE PAYMENT, THE CONTRACTOR SHALL

  SUBMIT TO THE ENGINEER "AS-BUILT" PLANS (SIGNED AND SEALED BY A FLORIDA CERTIFIED

  PROFESSIONAL LAND SURVEYOR) SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE AND WATER

  MPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE

- IMPROVEMENTS, PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILTS."

  3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUB-GRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING BASE MATERIAL.

  4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALL SUBJUIT INFORMATION SUBJUITED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AS-BUILT INFORMATION SUBJUITED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR HE MERCHEMENTS CONSTRUCTED.

  5. ALL "AS-BUILT" INFORMATION SUBJUITED TO THE ENGINEER SHALL SUBJUIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION.

  6. IJPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBJUIT TO THE ENGINEER OF RECORD COMPLETE SETS OF "AS-BUILT" CONSTRUCTION AND SEALED BY A FEGISTER CERTIFIED PROFESSIONAL LAND SURVEYOR) AS REQUIRED FOR SUBJUITAL AND APPROVAL. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.

  7. ALL "AS-BUILT" INFORMATION ON ELEVATIONS OF WATER, SEWER, PANNIG, AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.

  7. ALL "AS-BUILT" INFORMATION ON THE WATER SYSTEM SHALL INCLUDE LOCATIONS OF ALL VALVES, HITTINGS, FIRE HYDRANIS, WATER SERVICES AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS AND AT A MINIMUM OF 100' SPACING.

- SPACING.
  THE COST OF SIGNED AND SEALED AS-BUILTS AND CADD FILES SHALL BE INCLUDED IN THE COST OF THE OVERALL BID.

#### VII. EARTHWORK

- V. GENERAL
  NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
  ALL SUB-GRADE UNDER PAYED AREAS SHALL BE 12" THICK AND HAVE A MIMIMUM LIBR VALUE OF 40. AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180.
  ALL FILL MATERIAL IN AREAS NOT TO BE PAYED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180.
  WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED HEN UNSUITABLE MATERIAL UNDER THOSE AREAS TO BE PAYED SHALL BE ROMOVED TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER
- TO A DEPTH OF THREE(3) FEET BELOW FINISHED GRADE AND FOR THREE(3) FEET BEYOND THE PERIMETER OF THE PAXING.
  SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY ASSHITO T-180 THREE (3) FEET BEYOND THE PERIMETER OF PAVING.
  CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF WORK UNLESS OTHERWISE NOTED ON PLANS. IF NO LIMIT OF WORK INDICATED, STORED ON PLANS. IF NO LIMIT OF WORK INDICATED. STORED ON PLANS. IF NO LIMIT OF WORK IS INDICATED, SHOWN ON THE PLANS OF THE PLANS OF
- PLACEMENT OF SOD.

  10. WHEN ENCOUNTERED WITHIN PROPOSED DRAINAGE SWALES, HARDPAN SHALL BE REMOVED FOR A WIDTH OF FIVE (5) FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.

  11. ALL AREAS TO BE CONSTRUCTED UPON WITH STRUCTURES, PAVEMENT, DRAINAGE, WATER, SEWER, CURBING,

SIDEWALK, FENCING, ETC., SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL OF AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTREUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 6 INCHES. ITEMS DESIGNATED TO OPERATION. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

#### VIII. PAVING

ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT, ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW—CUT EDGES PRIOR TO RELAYING ASPHALT, ALL EXISTING PAVEMENT, LIMEROCK AND SUB—GRADE THAT IS AFFECTED AND NOT PART OF THE CONSTRUCTION PROJECT SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.

- MATERIALS MATERIAL SHALL HAVE A MINIMUM OF 70% CARBONATES (CALCIUM AND MAGNESIUM) WITH A MINIMUM LBR OF 100.
  PRIME COAT SHALL BE APPLIED AT THE RATE OF 0.25 GAL/YD SQ. AND TACK COAT SHALL MEET FLORIDA
- DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
  SURFACE COURSE SHALL BE EQUAL TO FDOT TYPE SP 9.5 & FC 12.5 ASPHALTIC CONCRETE.

- C. INSTALLATION

  IMMEROCK BASE MATERIAL SHALL BE 12" THICK AND COMPACTED TO 96% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

  IMMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" OF IMMEROCK BASE MATERIAL SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS. LIMEROCK BASE SHALL BE COMPACTED TO 96% OF THE MAXIMUM DENSITY AS DETERMINED BY A SHIFT. THE NAME OF THE MAXIMUM DENSITY AS DETERMINED BY A SHIFT. THE NAME OF THE MAXIMUM DENSITY AS DETERMINED TO A SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS. TACK COAT SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS. TACK COAT SHALL BE PLACED ON ALL LUREROCK BASES IN ACCORDANCE WITH FOOT STANDARDS.

  TACK COAT SHALL BE PLACED ON ALL DISTORD LIBR MINIMUM OF 100.

  BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE WIGNITY HAS BEEN TISSTED AND ACCEPTED UNTIL:

  WEARING COURSES SHALL NOT BE PLACED UNTIL:

  MIGHT CAUSE DAMAGE TO THE FINAL DIT OF DETERMINE IF THERE IS ANY REMAINING WORK THAT

  MIGHT CAUSE DAMAGE TO THE FINAL DIT OF DETERMINE IF THERE IS ANY REMAINING WORK THAT

  ALL LANDSCAPING WORK THAT MIGHT CAUSE DAMAGE TO THE FINAL LIFT IS COMPLETE.

  3. ALL LURDERGROUND UTILITIES ARE INSTALLED AND ACCEPTED AND A FINISHED ROCK SURVEY HAS BEEN SUBMITTED TO AND ACCEPTED BY THE HIGHWAY CONSTRUCTION & ENGINEERING DIVISION.

. IESTING
ALL SUB-GRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE
ENGINEER AND PER THE CITY OF HOLLYWOOD REQUIREMENTS.
DENSITY TESTS SHALL BE CONDUCTED EVERY 200 FEET AND TWO FEET AWAY FROM ANY MANHOLE OR
DRAINAGE STRUCTURE INSTALLED IN PAYED AREAS.

#### IX. SIGNING AND MARKING

- ALL PAVEMENT MARKING AND SIGNING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND CITY OF HOLLYWOOD
- STANDARDS.
  ALL PAYEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. CONTRACTOR SHALL
  PAINT MARKINGS THEN AFTER 14 DAY CURING PERIOD PLACE THERMOPLASTIC PAYEMENT MARKINGS
  ONE BI-ORECTIONAL YELLOW REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 40' INTERVALS ON
  EACH SIDE OF DOUBLE YELLOW STRIPES.
  BI-ORECTIONAL AMBER/ANBER REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 1' INTERVALS AT
- ALL BULLMOSES.
  BI-DIRECTIONAL WHITE/RED REFLECTIVE PAYEMENT MARKERS SHALL BE PROVIDED AT 20' INTERVALS ALONG SOLID WHITE LINES (NOT ON EDGE OF PAYEMENT OR BIKE LANE LINES).
  REFLECTIVE PAYEMENT MARKERS SHALL BE CLASS B WARKERS MANUFACTURED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED.
- DCEDURES. SIGNING SHALL BE FARRICATED LISING TYPE XLISHEFTING AS PER BROWARD COUNTY TRAFFIC
- ALL SIGNING SHALL BE FABRICATED USING TYPE XI SHEETING, AS PER BROWARD COUNTY TRAFFIC ENOINCERING DIVISION STANDARDS (CURRENT EDITION).
  ALL PAKEMENT MARKINGS AND SIGNING DAMAGED DURING CONSTRUCTION. SHALL BE RESTORED TO BROWARD COUNTY TRAFFIC ENGINEERING DIVISION.
  EXISTING MARKINGS SHALL BE REMOYED BY WATER BLASTING ONLY.
  SEE SIGNING AND MARKING DETAILS FOR ADDITIONAL INFORMATION.
  ALL EXISTING SIGNALIZATION EQUIPMENT TO REMAIN IS ASSUMED TO BE IN GOOD WORKING ORDER UNLESS CITY IS NOTHED IN WRITING PRIOR TO START OF CONSTRUCTION. ANY SUBSEQUENT DAMAGE TO THE SIGNAL EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

# X. PLANTING & SODDING

- X. PLANTING & SODDING.

  1. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.

  2. SOD SHALL BE ST, AUGUSTINE BITTER BILUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOLD AND AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

  3. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

  4. CONTRACTOR SHALL REMOVE ALL ROAD ROCK, CONCRETE, ASPHALT, AND OTHER NON NATURAL MATERIAL FROM PLANTING SHEAS AND REPLACE WITH PLANTING SOIL PRIOR TO LANDSCAPE INSTALLATION.

  5. WORK SHALL INCLUDE MINITERANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

  5. HE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND STREED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND CONTRACT OR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHALL DAMAGE AND PLANT. EXISTING TREES/LANDSCAPING KILLED OR DAMAGED SO THAT THEY ARE MISSIBLE FOR ALL WATER AND A PLANT. EXISTING TREES/LANDSCAPING KILLED OR DAMAGED SO THAT THEY ARE MISSIBLE FOR ALL SHALL BE REPLACED AT THE COST TO THE CONTRACTOR.

  7. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL BOYS OF PRECENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0.

  8. MUCK (PROTATION FOR THE AND THE EXTRANSPORT OF THE STREAM FOR THE STREA
- CONTRACTOR SHALL PROVIDE SALIS-ACTIONT WAITER FROM SUGGESTION TO THE OWNER.
  WATERING/RRIGATION RESTRICTIONS MAY APPLY REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
  WATERING/RRIGATION SHALL RINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP
  TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR WILLOW DEPTH. THIS CONTRACTOR
  SHALL FINIC GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR
  WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SIZE
  ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO
  SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM
  THE DIM NUMBER.

- WITH FRONT-END LOADER FOR TRANSPORTING SOLI, WITHIN THE STIE.

  2. ALL PLANTING AREAS STALL BE GRADED AND MAINTAINED FOR POSITIVE DRANNAGE TO

  SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM

  SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM

  3. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING

  AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER: ALL MORTAR, CEMENT, AND TOXIC MATERIAL. SHALL NOT

  AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER: ALL MORTAR, CEMENT, AND TOXIC MATERIAL. SHALL NOT BE MIXED WITH THE

  SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY

  ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE

  OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES

  THE RESPONSIBILITY OF THE CONTRACTOR.

  4. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

  ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

  ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

  ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK

  ONOTHER ACTION. CONTRACTOR IS RESPONSIBLE TO BACKFULL THESE PLANATING AREAS TO A MINIMUM DEPTH OF 35°.

  WON THE ACTION AND ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE

  CONDITIONS OCCUR! IN PLANTED AREAS AFTER 36° DEEP EXCAVATION BY THE CONTRACTOR, AND

  ADEQUATE PERCOLATION CON NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT

  ADDRESSES POOR DRAINAGE. AT ALL TIMES, METHODS CUSTOMARY IN GOOD FORTICULTURAL PRACTICES

  SHALL BE EXERCISED.

  5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE

  MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON

  ARRIVAL AT THE SITE. PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED DINTIL

- REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED, IF, IN THE OPINION OF THE OWNER, TO POPERSSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, OLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL
- JTHORITY.

  JINIO BLUVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL

  T ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNINECESSARY EXPOSURE OF THE ROOTS T

  IE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT

  JOHNOTETIPE
- AND MOISIURE.
  WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE
  CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE—SODDING OF ALL ERODED, SUNKEN OR
  BARE SPOTS (LARGER THAN 12 MIZ) UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S
  REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING
  REGORADING IS NECESSARY).
- REPRESENTATIVE, REPAIRED SOODING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING RECARDING IF NECESSATE).

  2. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM—CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNERS, AUTHORIZED REPRESENTATIVE.

  2. ALL THAT AND A PROMITION OF ALL DEBRIS HIS CONTRACT SHALL BE MAINTAINED BY WATERING.

  2. ALL THAT AND A PROMITION OF ALCEPTABLE OF A PROMITION OF A SHALL BE AND A SHALL BY WATERING. GUY SUPPORTS! NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACT RUNTIL CEPTIFICATION OF ACCEPTABILITY BY THE OWNERS REPRESENTATIVE. MAINTENANCE AFTER THE CEPTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMERCING A GTER ACCEPTANCE.

  25. THE LIFE AND SATISFACTORY CONDITION OF ALL FOR ALL FOR ALL FOR ALL FOR ANY MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR OF AN IMMINION OF ONE (1) CALENDAR YEAR COMMENCING A BY THE CONTRACTOR OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
- REPRESENTATIVE. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY
- THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S
- CALENDAY YEAR CUMMENDING AT THE TIME OF CENTRICATION OF THE MERPESENTATIVE.

  REPLACEMENT: AND PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER COPERMIT, ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THIS.T. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT IN ADDITIONAL COST TO THE OWNER. ADDITIONAL COST TO THE OWNER. IN THE CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MANTENANCE. THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERFODICALLY DURING THE ONE YEAR WARRANTY PERFOD TO EVALUATE MAINTENANCE PROCEDURES EINC PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THE OWNER THE O

#### XI. MAINTENANCE OF TRAFFIC

- TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT TRAFFIC PLANS, THE CURRENT EDITION OF THE FDOT STANDARD PELANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIATIONS FOR ROAD, AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCO)

- OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANULO IN UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS MINIMUM CRITERIA.

  THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS WILL MAINTAIN A SUPPLY OF COLO MIX ON THE PROJECT SITE OF EXPEDITE THOSE REPAIRS, ALL COSTS OF THE PROPAGE OF THE ENGINEER. FOR THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT AS THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT STANDALD OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE OF THE PROPAGE OF THE ENGINEER. CONTROL WHEN THE CONFLICT NO CHERT STANDALD OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE PROPAGE OF THE PROPAGE PAY PAYEMENT MARKINGS OF THE SITURD OF THE P

- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC MAINTENANCE IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN BIO.

  10. AT THE END OF EACH WORK PERIOD, ANY DROP—OFF IN THE AREA ADJACENT TO THE TRAVEL WAY SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 102—600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRER AT THE CONTRACTOR'S EXERNES.

  11. CONTRACTOR SHALL NOTIFY BROWARD COUNTY TRAFFIC ENGINEERING DIVISION 49 HOURS PRIOR OT ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS PRIOR TO ANY MODIFICATION ABD/OR CHANGES OF ALL EXISTING TRAFFIC SIGNAL EG TANNO 5. HOURS THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE NORMAL MAINTENANCE OF THE SUSTING TRAFFIC SIGNAL(S) WITHIN THE PROLECT LIMITS. COST OF REARRANGING TRAFFIC SIGNAL HEADS AND MAINTAINING TRAFFIC SIGNALS TO BE INCLUDED IN THE BID.

  12. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT. CONTRACTOR IS TO SUBMIT A PROPOSED METHOD OF MAINTAINING ACCESS TO THESE PROPERTIES TO ENGINEER FOR REVEW PRIOR TO INSTALLATION. ALL COSTS WITH MAINTAINING ACCESS TO BE INCLUDED IN THE BID.

  13. MO.T TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED STANDARD AND ADMINISTRATED TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. WORK SHALL BE DONE WITH A SPHALLTC CONCRETE TYPE "S' AND SHALL INCLUDE ASPHALT SLOPE REMOVAL WHEN NO LONGER NEEDED.

  14. CONTRACTOR SHALL MAINTAIN A CONTINUOUS PEDESTRIAN WAY ON ONE SIDE OF THE ROADWAY AT ALL TIMES, PEDESTRIAN WAY SHALL HAVE SMOOTH SUFFRICE AND BE OFFICIAL BY AND THE BID.

  15. AT THE ETHOR OF EACH WENT SHALL BE PROTECTED WITH MAINTAIN AND YOR CORDEN MAINTAINED USING APPROVED WARNING CORNEY SHALL

### XII. CITY OF HOLLYWOOD LANDSCAPING REQUIREMENTS

- ALL DAMAGED LANDSCAPING INCLUDING GROUND COVER WILL BE REPLACED TO EQUAL OR BETTER CONDITION.
- ALL ABOVE OR BELOW GROUND ROOT PRUNING WILL BE DONE IN ACCORDANCE WITH THE CITY OF HOLLYWOOD CODE AND BY A REGISTERED CERTIFIED TREE ARBORIST.
- DIRECTIONAL BORE WITH A MINIMUM 10 FOOT CLEARANCE UNDER ANY TREE (S) LARGER THAN 20 FEET TALL IN A CIRCUMFERENCE OF THE LEAF DRIP LINE.
- ALL RUTS IN THE SOD, SWALES, BERMS AND SLOPES MUST BE FILLED AND SODDED BEFORE FINAL INSPECTION. CONTRACTOR TO SUBMIT A TREE REMOVAL PERMIT FOR ALL TREES PROPOSED TO BE REMOVED IN CONFLICT WITH PROPOSED SCOPE OF WORK FOR PROJECT AND NOTIFY THE CITY LANDSCAPE INSPECTOR AT GSALAZAROHOLLYWOOD/LORG PRIOR TO COMMENCEMENT OF WORK.

#### XIII. MATERIAL SELECTION

LICENSED PROFESSIONAL

STEFANO E VIOLA

FL LICENSE NUMBER

1 ALL MATERIALS TO BE ETA BUY AMERICA CERTIFIED

THIS ITEM HAS BEEN BY STEFAND F. WOLA DIGITAL SIGNATURE. PRINTED COPIES OF T CONSIDERED SIGNED A SIGNATURE MUST BE A BEN A SHIP PROFILITI Know what's below Call before you dig 811 or 1-800-432-4770

SIGNED AND 6/22/2022

BEEN DIGITALLY S VIOLA, P.E., ON 1 JRE.

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E SE

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

SHEET NUMBER

**GENERAL NOTES** 

**Kimley** » Horn © 2021 KIMLEY-HORN AND ASSOCIATES, INC 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696 DATE BY

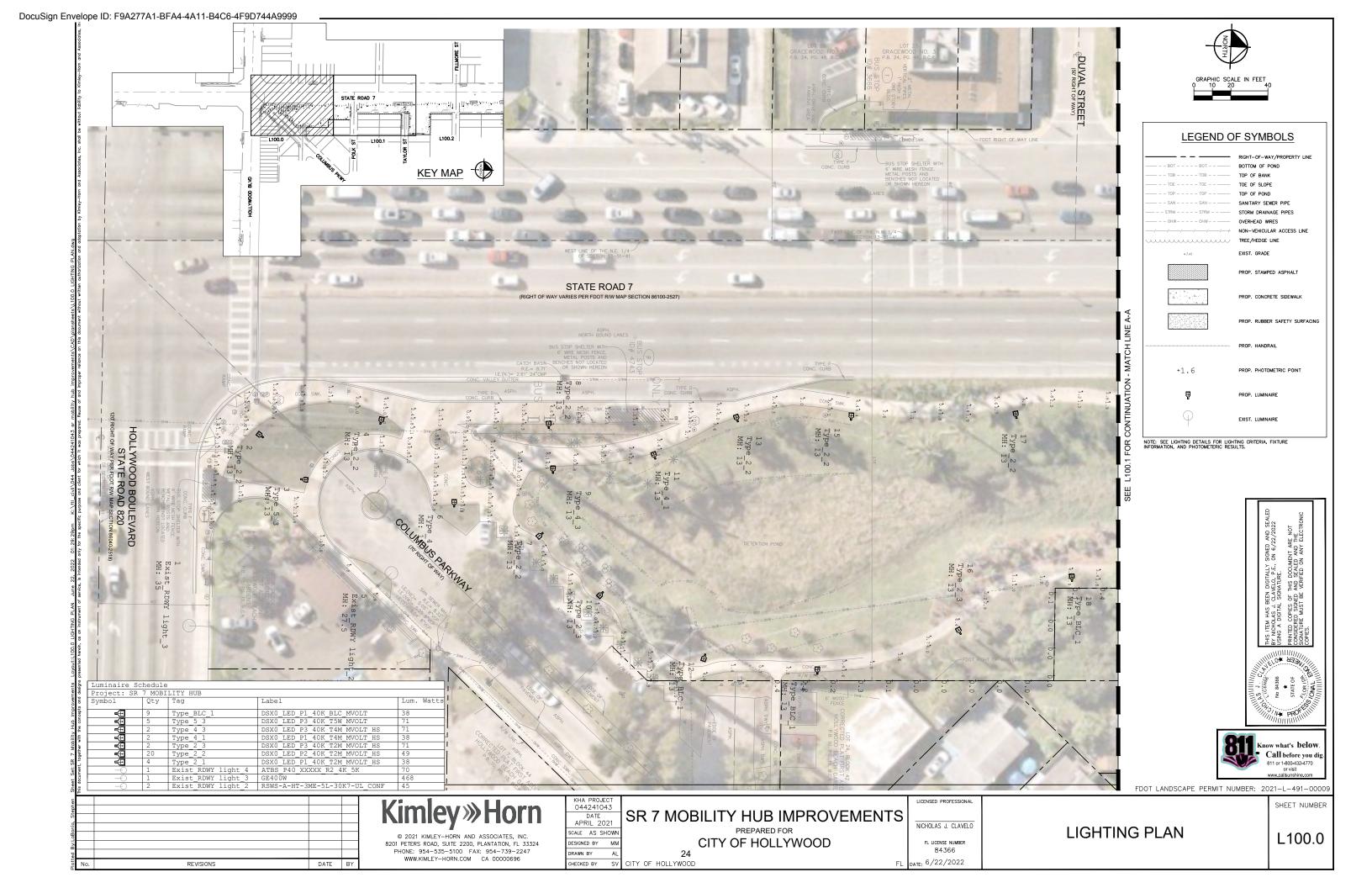
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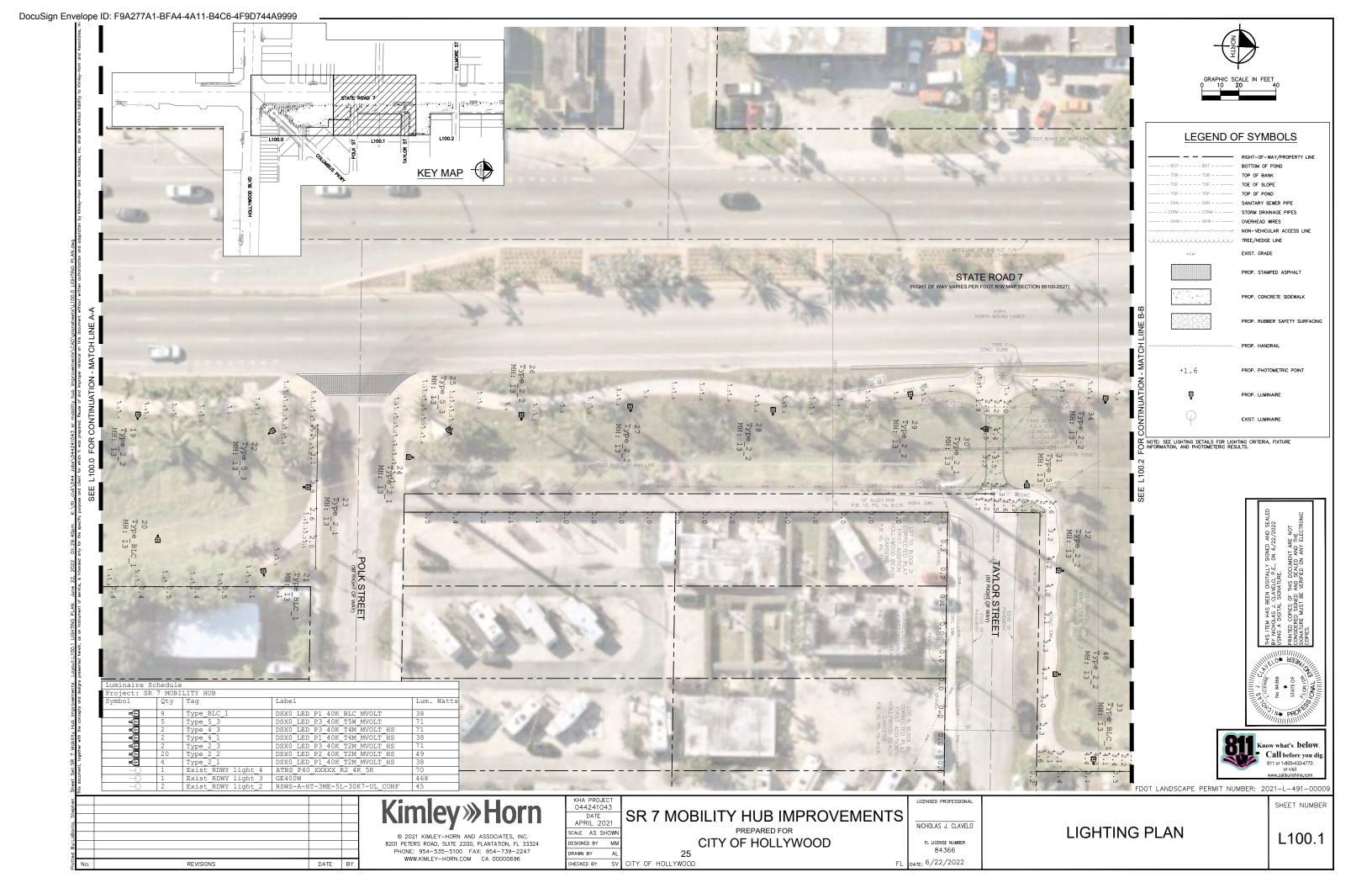
SR 7 MOBILITY HUB IMPROVEMENTS PREPARED FOR CITY OF HOLLYWOOD

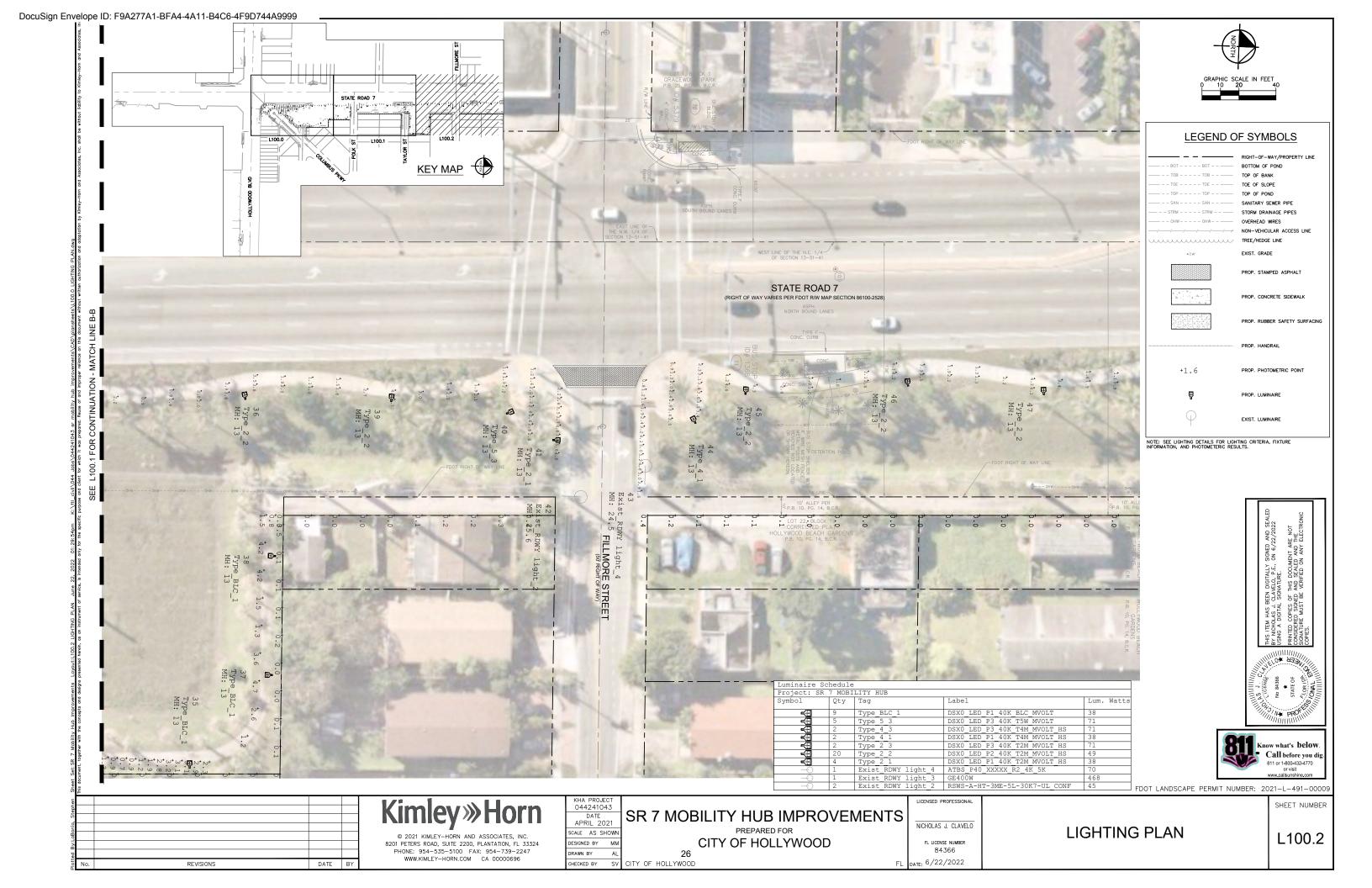
CITY OF HOLLYWOOD

TE. 6/22/2022

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FDOT LIGHTING CRITERIA FOR PEDESTRIAN WALKWAYS NOT ADJACENT TO THE ROADWAY: AVERAGE: 2.5 FC
AVERAGE/MIN: 4:1 OR LESS

MAX/MIN: 10:1 OR LESS

CITY OF HOLLYWOOD CODE OF ORDINANCES RESIDENTIAL PROPERTY LINE CRITERIA MAXIMUM 0.5 HORIZONTAL FC AT PROPERTY LINE.

| D        | led Tomicaine Teachine Comment        |       |
|----------|---------------------------------------|-------|
|          | ded Luminaire Location Summary        |       |
|          | t: SR 7 MOBILITY HUB                  |       |
| LumNo    | Tag                                   | Z     |
| 1        | Exist_RDWY light_3                    | 35    |
| 2        | Type_2_2                              | 13    |
| 3        | Type_5_3                              | 13    |
| 4        | Type_2_2                              | 13    |
| 5        | Exist_RDWY light_2                    | 27.5  |
| 6        | Type_4_3                              | 13    |
| 7        | Type 2 2                              | 13    |
| 8        | Type_2_2                              | 13    |
| 9        | Type_4_3                              | 13    |
| 10       | Type_2_3                              | 13    |
| 11       | Type_4_1                              | 13    |
| 12       | Type_BLC_1                            | 13    |
| 13       | Type_2_2                              | 13    |
| 14       | Type_BLC_1                            | 13    |
| 15       | Type_2_2                              | 13    |
| 16       | Type_2_3                              | 13    |
| 17       | Type_2_2                              | 13    |
| 18       | Type_BLC_1                            | 13    |
| 19       | Type_2_2                              | 13    |
| 20       | Type_BLC_1                            | 13    |
| 21       | Type_BLC_1                            | 13    |
| 22       | Type_5_3                              | 13    |
| 23       | Type_2_1                              | 13    |
| 24       | Type_2_1                              | 13    |
| 25       | Type_5_3                              | 13    |
| 26       | Type_2_2                              | 13    |
| 27       | Type_2_2                              | 13    |
| 28       | Type 2 2                              | 13    |
| 29       | Type_2_2                              | 13    |
| 30       | Type 2 1                              | 13    |
| 31       | Type_5_3                              | 13    |
| 32       | Type_2_2                              | 13    |
| 33       | Type_BLC_1                            | 13    |
| 34       | Type_2_2                              | 13    |
| 35       | Type BLC 1                            | 13    |
| 36<br>37 | Type 2_2 Type BLC 1                   | 13    |
| -        | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | -     |
| 38       | Type_BLC_1                            | 13    |
| 40       | Type_2_2                              | 13    |
| 41       | Type 5 3 Type 2 1                     | 13    |
| 41       | Type_2_1 Exist RDWY light 2           | 25.6  |
| 42       | Exist_RDWY light_2 Exist RDWY light 4 | 24.5  |
| 4.4      |                                       | 13    |
| 44       | Type 4 1<br>Type 2 2                  | 13    |
| 45       |                                       | 13    |
| 46       |                                       | 13    |
| 4.7      | 11                                    | 13    |
| 40       | Type_2_2                              | 1 1 3 |

NOTES:

1. THE LOCATIONS OF THE LIGHT POLES ARE DIAGRAMMATIC ONLY
AND MAY BE SHIFTED TO ACCOMMODATE LOCAL CONDITIONS
AND EXISTING UTILITY LOCATIONS, ENGINEER APPROVAL IS
REQUIRED FOR POLE SHIFTS GREATER THAN 5 FEET IN ANY
DIRECTION.

1. THE CITION.

2. AGENCY FOR FINAL ACCEPTANCE OF IGHTHON SYSTEMS,
3. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN
EXISTING PUBLIC RIGHT OF WAY.

4. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL
VERIFY THE SIZE, LOCATION, ELEVATION AND MATERIAL OF ALL
EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.

DIAMAGED DURING LIGHT FOLE INSTALLED IN SOD/MULCH
AREAS, ANY DAMAGED LANDSCAPE SHALL BE CONTRED TO N

ADDITIONAL COST TO THE CITY.

LIGHT POLES INTENDED TO BE INSTALLED IN SOD/MULCH
AREAS, ANY DAMAGED LANDSCAPE SHALL BE RESTORED AT NO
ADDITIONAL COST TO THE CITY.

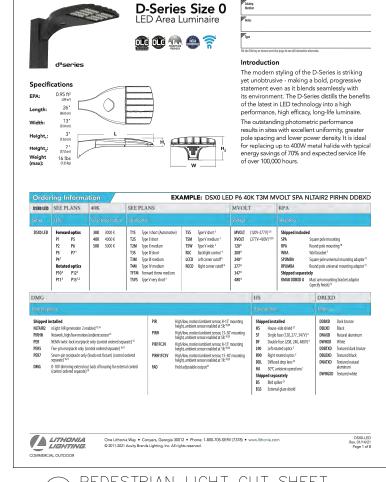
2. LIGHT POLE NO. 33 SHALL BE INSTALLED WITHIN THE BACK OF
SIDEWALK TO MEET PROPERTY LINE CRITERIA.

THE PROPOSED FIXTURE IS APPROVED BY THE MAINTAINING AGENCY AND SHALL BE THE ONLY FIXTURE USED.

DATE BY

| Calculation Summary             |             |       |      |     |     |         |         |
|---------------------------------|-------------|-------|------|-----|-----|---------|---------|
| Project: SR 7 MOBILITY HUB      |             |       |      |     |     |         |         |
| Label                           | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |
| 1 Near SR (Hollywood & Polk)    | Illuminance | FC    | 2.52 | 6.6 | 0.8 | 3.15    | 8.25    |
| 1 Non-Adjacent (Hollywood &     | Illuminance | FC    | 2.59 | 6.7 | 0.7 | 3.70    | 9.57    |
| Polk)                           |             |       |      |     |     |         |         |
| 2 Bridge (Polk & Fillmore)      | Illuminance | FC    | 3.00 | 4.4 | 1.9 | 1.58    | 2.32    |
| 2 Non Adjacent (Polk & Filmore) | Illuminance | FC    | 2.67 | 5.6 | 0.8 | 3.34    | 7.00    |
| 2 Polk St Sidewalk RT           | Illuminance | FC    | 2.76 | 3.9 | 2.0 | 1.38    | 1.95    |
| 2 Taylor Street Workout Area    | Illuminance | FC    | 2.68 | 4.7 | 0.7 | 3.83    | 6.71    |
| 3 Non-Adjacent (Filmore &       | Illuminance | FC    | 2.82 | 5.2 | 0.8 | 3.53    | 6.50    |
| Buchanan)                       |             |       |      |     |     |         |         |
| Property line 1                 | Illuminance | FC    | N.A. | 0.5 | 0.0 | N.A.    | N.A.    |
| Property line 2                 | Illuminance | FC    | N.A. | 0.5 | 0.0 | N.A.    | N.A.    |
| Property line 3                 | Illuminance | FC    | N.A. | 0.3 | 0.0 | N.A.    | N.A.    |
| Property line 4                 | Illuminance | FC    | N.A. | 0.5 | 0.1 | N.A.    | N.A.    |
| Property line 5                 | Illuminance | FC    | N.A. | 0.5 | 0.0 | N.A.    | N.A.    |
| Property line 6                 | Illuminance | Fc    | N.A. | 0.4 | 0.0 | N.A.    | N.A.    |
| Property line 7                 | Illuminance | FC    | N.A. | 0.4 | 0.0 | N.A.    | N.A.    |

| Luminaire Sc  | hedule |                    |                               |           |
|---------------|--------|--------------------|-------------------------------|-----------|
| Project: SR   | 7 MOBI | LITY HUB           |                               |           |
| Symbol        | Qty    | Tag                | Label                         | Luminaire |
|               |        |                    |                               | Watts     |
| 4             | 9      | Type_BLC_1         | DSX0_LED_P1_40K_BLC_MVOLT     | 38        |
| €             | 5      | Type_5_3           | DSX0_LED_P3_40K_T5W_MVOLT     | 71        |
|               | 2      | Type_4_3           | DSX0_LED_P3_40K_T4M_MVOLT_HS  | 71        |
| <b>₹</b>      | 2      | Type_4_1           | DSX0_LED_P1_40K_T4M_MVOLT_HS  | 38        |
|               | 2      | Type_2_3           | DSX0_LED_P3_40K_T2M_MVOLT_HS  | 71        |
| €             | 20     | Type_2_2           | DSX0_LED_P2_40K_T2M_MVOLT_HS  | 49        |
|               | 4      | Type_2_1           | DSX0_LED_P1_40K_T2M_MVOLT_HS  | 38        |
|               | 1      | Exist_RDWY light_4 | ATBS_P40_XXXXX_R2_4K_5K       | 70        |
| $\rightarrow$ | 1      | Exist_RDWY light_3 | GE400W                        | 468       |
| -             | 2      | Exist RDWY light 2 | RSWS-A-HT-3ME-5L-30K7-UL CONF | 45        |



₽ OF LIGHT POLE —HAPCO ROUND TAPERED ALUMINUM POLE NO ARM — 4—BOLT BASE BLACK POWDER COAT CATALOG NO. RTA13B6B4 - BUTT DIAMETER 6" SEE PEDESTRIAN LIGHT 2' DIAMETER LIGHT POLE DETAIL

TOP DIAMETER 4.5"

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALER BY WICHOLAS J. CLANELO, P.E., ON 6/22/2022 USING A DIGITAL SIGNATURE.
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PEDESTRIAN LIGHT CUT SHEET

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CITY OF HOLLYWOOD

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DESIGNED BY MM

DRAWN BY

CHECKED BY

SR 7 MOBILITY HUB IMPROVEMENTS PREPARED FOR

CITY OF HOLLYWOOD 27

LICENSED PROFESSIONAL NICHOLAS J. CLAVELO FL LICENSE NUMBER 84366

ATE: 6/22/2022

NOT TO SCALE

LIGHTING DETAILS

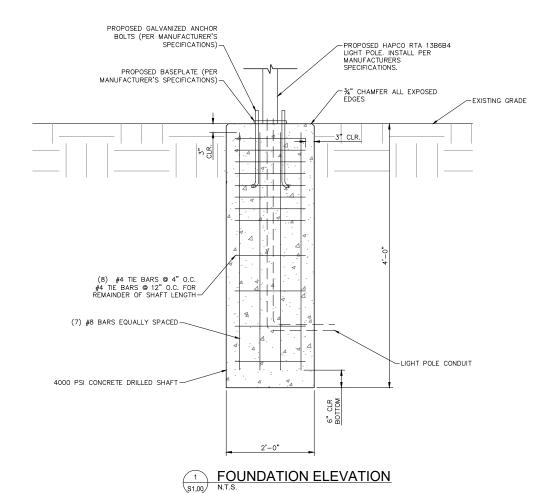
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811 or 1-800-432-4770 or visit

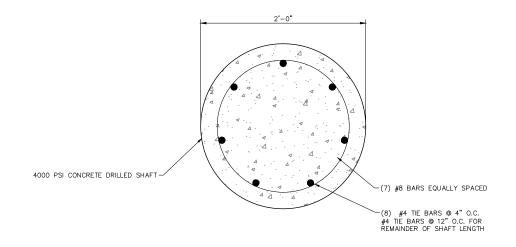
FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

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NOTE: ELECTRICAL DESIGN BY OTHERS.



SECTION A-A

## GENERAL NOTES

- I. REINFORCED CONCRETE
- ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE PUBLICATIONS ACI 301 AND ACI 318.
- 2. CURING OF CONCRETE SHALL BE IN STRICT ACCORDANCE WITH ACI 301 PROVISIONS.
- 3. ALL STRUCTURAL CONCRETE SHALL WITH A HIGH EARLY STRENGTH CONCRETE WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- 4. USE NORMAL WEIGHT CONCRETE (135 PCF MIN.) FOR ALL STRUCTURAL MEMBERS. DO NOT USE CALCIUM CHLORIDE IN ANY CONCRETE. ALL STRUCTURAL CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.40.
- 5. PROVIDE A 6 INCH SLUMP WITH A TOLERANCE OF +/- 1 INCH
- 6. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6 INCHES AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED ABOVE IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4 INCH PUMP. TAKE CONCRETE SAMPLES FOR SLUMP AT TRUCK AND AT DISCHARGE END, AND FOR CYLINDER TESTING AT DISCHARGE END.
- WATER SHALL NOT BE ADDED TO CONCRETE AT THE JOBSITE UNLESS SPECIFIC AUTHORIZATION IS INDICATED ON THE DELIVERY TICKET. NOTIFY ENGINEER OF TOTAL QUANTITY OF WATER ADDED TO ANY TRUCK. REPEAT NECESSARY TESTING IF WATER IS ADDED AFTER INITIAL SAMPLING.
- 8. COARSE AGGREGATE SHALL CONFORM TO ASTM C33. PEAROCK AGGREGATE SHALL NOT BE USED.
- 9. ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL FORMS SHALL BE FREE OF STANDING WATER.
- 10. ALL CONCRETE SHALL BE VIBRATED IN PLACE IN ACCORDANCE WITH ACI RECOMMENDED PRACTICES. NO PLACING OF CONCRETE WILL BE COMMENCED UNLESS THERE ARE TWO OPERABLE CONCRETE VIBRATORS ON THE JOB SITE.
- 11. CONCRETE COVER OVER REINFORCING STEEL SHALL BE 3 IN UNLESS OTHERWISE NOTED.
- 12. PROVIDE 3/4 INCH CHAMFERS ON ALL EXPOSED EDGES ADJACENT TO EXPANSION JOINTS, EXCEPT AS OTHERWISE NOTED.
- 13. FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO FIBERGLASS, PLASTIC, AND CONCRETE BLOCK. BAR SUPPORTS PLACED ATOP VAPOR BARRIERS SHALL BE CONCRETE BLOCK
- 14. ANY TIES, STRAPS OR OTHER METALLIC FORMWORK ITEMS SHALL BE REMOVED TO A DEPTH OF 1-1/2 INCHES MINIMUM BELOW FINISHED CONCRETE SURFACE. CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH ACI 301.
- 15.1. FORMED SURFACES SHALL RECEIVE A SMOOTH-FORM FINISH IN ACCORDANCE WITH ACL 301. OFFSET BETWEEN ADJACENT 15.1. FORMED SURFACES SHALL RECEIVE A SMOUTH-FORM FINISH IN ACCORDANCE WITH ACT 301. OFFS:1 BELWEEN ADJACENT PIECES OF FORMWORK FACING MATERIAL SHALL NOT EXCEED "CLASS A" TOLERANCE REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. OFFSET).

  15.2. SLAB SURFACES SHALL RECEIVE A TROWELED FINISH IN ACCORDANCE WITH ACI 301. FINISH TOLERANCES SHALL BE IN ACCORDANCE WITH "VERY FLAT" CLASSIFICATION REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. IN 10 FEET).

  15.3. WHERE A NONSULP FINISH IS REQUIRED, GIVE THE SURFACE A BROOM FINISH OR DRY—SHAKE APPLICATION OF FINELY CRUSHED ABRASIVE PARTICLES.

- 16. COORDINATE SIZE, TYPE AND LOCATION OF ALL PENETRATIONS, CONDUIT, CHAMFERS AND EMBEDDED ITEMS PRIOR TO CONCRETE PLACEMENT.
- 17. DO NOT IMPOSE SERVICE LOADS ON CONCRETE ELEMENTS UNTIL THE CONCRETE HAS REACHED ITS SPECIFIED MINIMUM COMPRESSIVE STRENGTH.
- 18. ALL GROUT SHALL BE NON-SHRINK, NON-METALLIC.
- ALL CONCRETE SHALL INCLUDE CORROSION INHIBITING ADMIXTURE DCI—S BY WR GRACE (4.0 GAL/CY) OR APPROVED EQUIVALENT.
- II. REINFORCING STEEL
- REINFORCING STEEL SHALL BE OF DOMESTIC MANUFACTURE AND IN ACCORDANCE WITH ASTM A615 WITH SUPPLEMENT, GRADE 60; MAXIMUM WORKING STRESS OF 24,000 PSI.
- 2. TOLERANCES FOR REINFORCING BAR FABRICATION SHALL CONFORM TO THE CURRENT CRSI MANUAL OF STANDARD PRACTICE.
- 3. ALL REINFORCING STEEL SHALL BE UNCOATED (BLACK) DEFORMED BARS AND SHALL BE FREE FROM LOOSE RUST, SCALE OR
- 4. ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE WITH BAR SUPPORTS AND SPACERS. VERIFY THAT PLACEMENT OF REINFORCING STEEL WILL NOT CONFLICT WITH SUBSEQUENT INSTALLATION OF ANCHOR BOLTS, FASTENERS OR FIELD—DRILLED COMPONENTS.
- 5. UNLESS OTHERWISE NOTED, LAP BOTTOM STEEL OVER STRUCTURAL SUPPORTS AND TOP STEEL AT MIDSPAN.
- 6. ALL LAP LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318, ACI 530 AND CRSI STANDARD PRACTICES, U.O.N.
- 7. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS U.O.N.
- 8. ACI STANDARD HOOKS SHALL BE USED AS A MINIMUM, U.O.N.
- 9. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- 10. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATING REINFORCING STEEL. DO NOT REPRODUCE THE STRUCTURAL DRAWINGS FOR USE AS PLACING DRAWINGS OR SHOP DRAWINGS.
- 11. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318 AND SUBMIT DRAWINGS SHOWING LOCATIONS AND DIRECTION OF POUR FOR ENGINEER'S REVIEW. PROVIDE KEYWAYS AND ADEQUATE DOWELS AT ALL CONSTRUCTION JOINTS.
- PROVIDE REINFORCING STEEL ERECTOR WITH A SET OF STRUCTURAL DRAWINGS FOR FIELD USE. INSPECT REINFORCING STEEL PLACEMENT FROM SHOP DRAWINGS.



Know what's below Call before you dig 811 or 1-800-432-4770

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-0000

 ${\color{red} {\rm NOTE:}}$  LIGHT POLE AND ANCHOR BOLTS NOT SHOWN FOR CLARITY. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 REVISIONS DATE BY

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044241043 DATE APRIL 2021 SCALE AS SHOW DESIGNED BY DRAWN BY

CHECKED BY

SR 7 MOBILITY HUB IMPROVEMENTS PREPARED FOR

JAIME GHITELMAN, P.E.

87473

TE: 6/22/2022

LICENSED PROFESSIONA

LIGHT POLE FOUNDATION FL LICENSE NUMBER

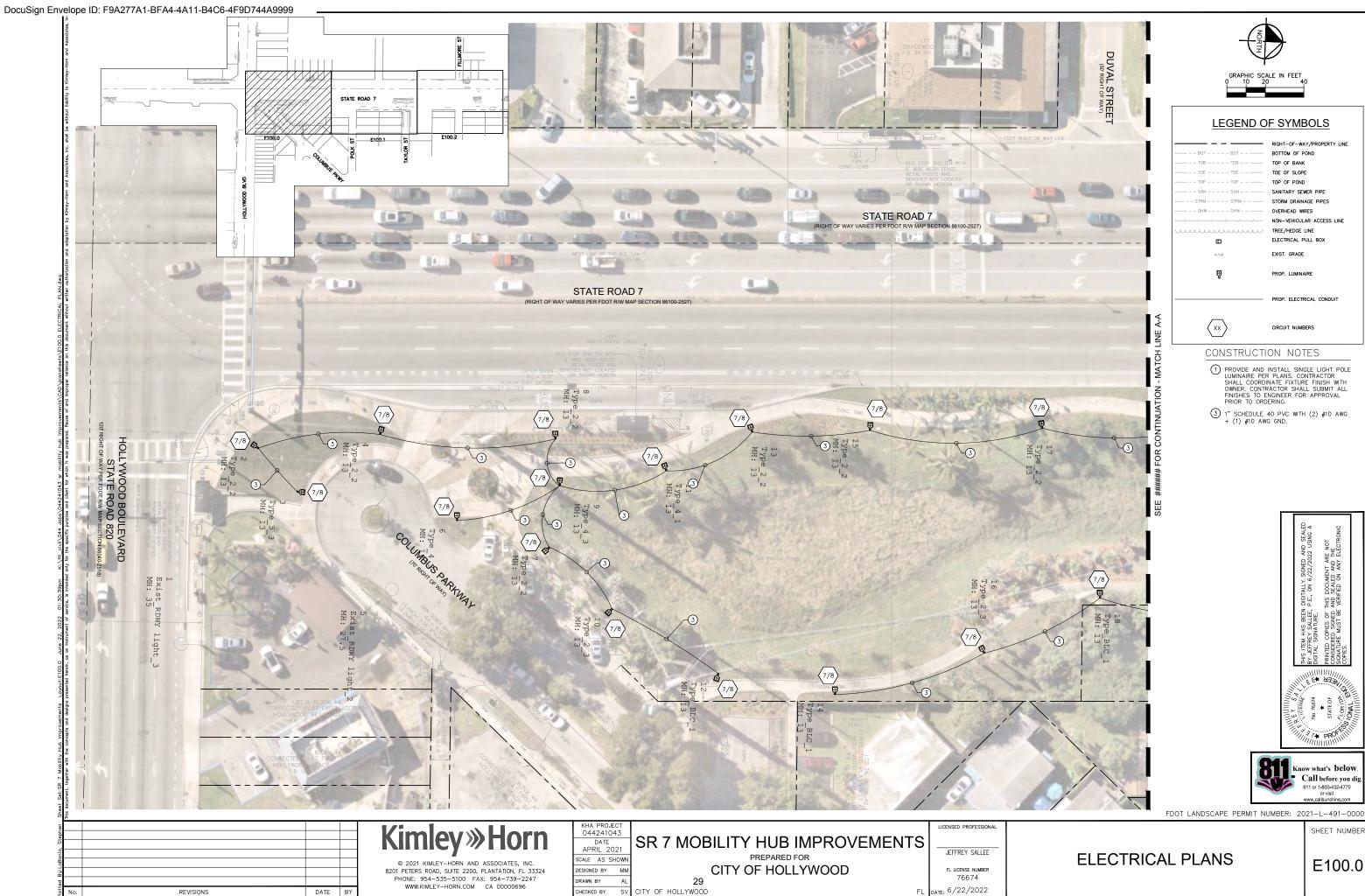
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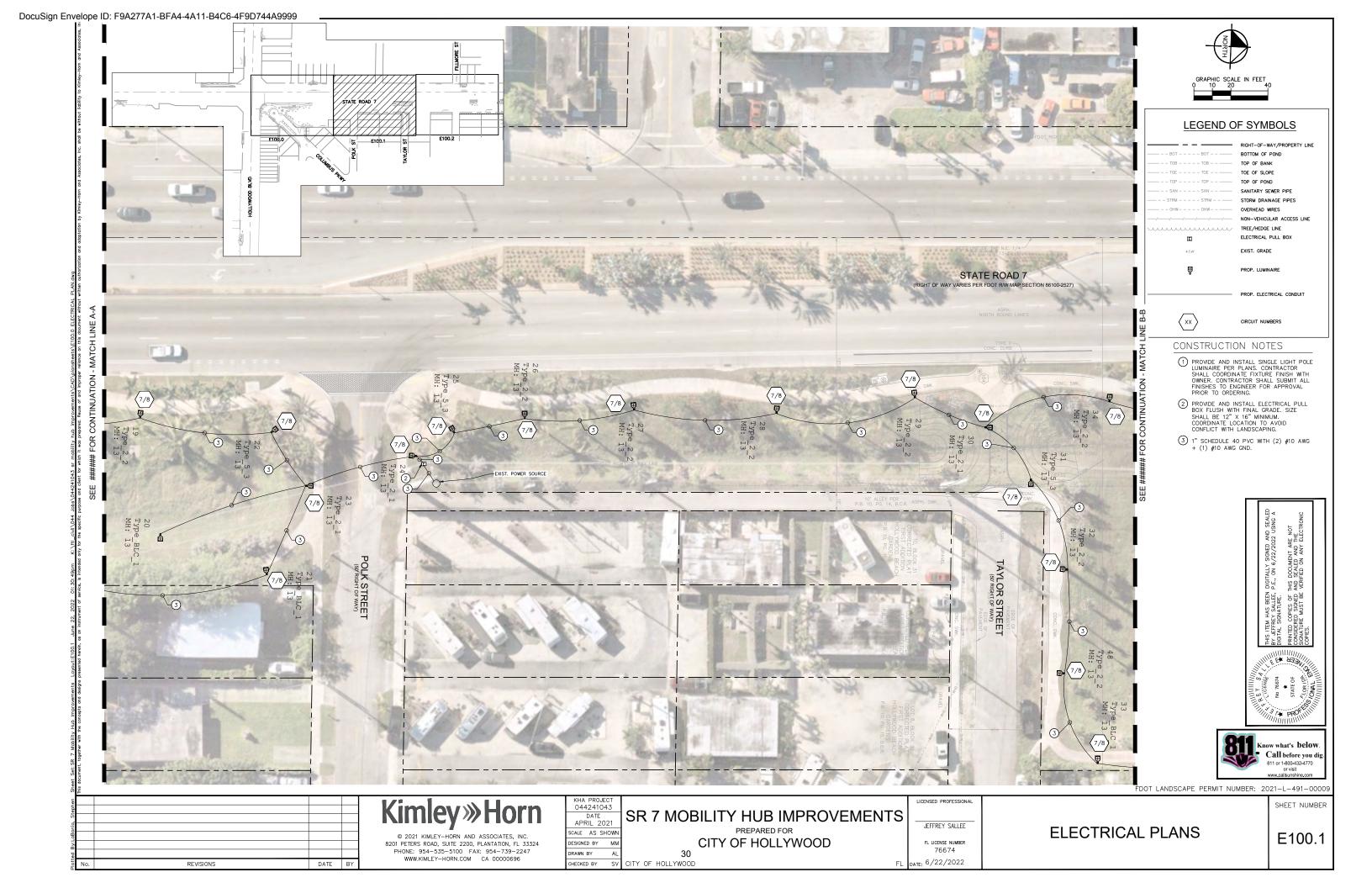
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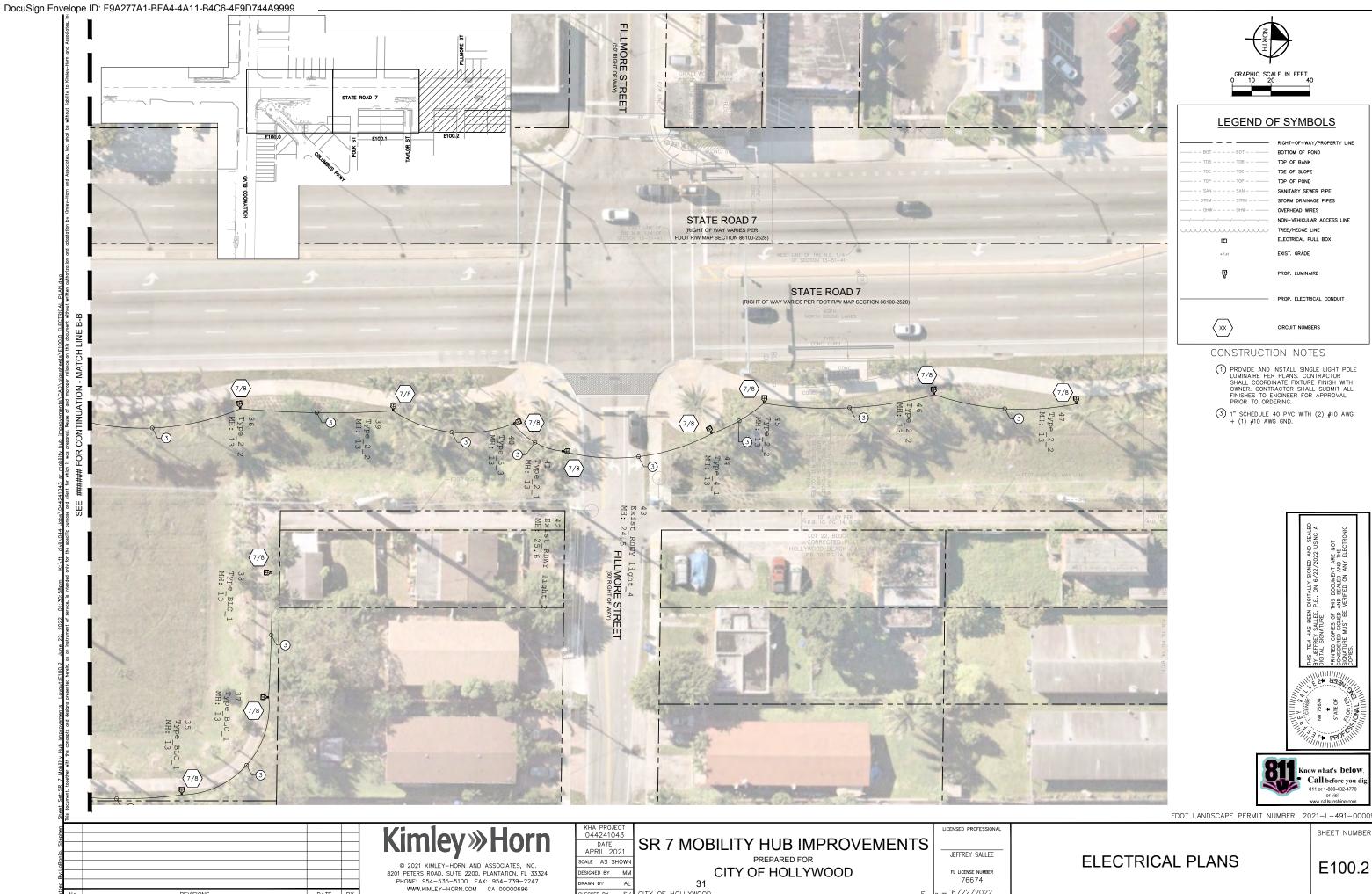
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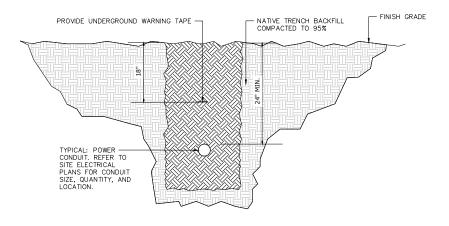
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|          |                      | Source*  | Source     | €ondu-t  | Conductor  |      |             |       |                      |          |            |       | **%   |
|----------|----------------------|----------|------------|----------|------------|------|-------------|-------|----------------------|----------|------------|-------|-------|
| Point    | Point Name           | Point    | Amps       | Type     | Туре       | Wird | Size/Qua    | ntity | Load (A)             | Distance | Voltage    | Phase | Vdrop |
| 1        | 120 / 240 Lph 25     | 12175    | 12,175     |          |            |      |             |       |                      |          |            |       |       |
| 2        | Light 24             | 1        | 12,175     | NM.      | Copper     | 1    | Set of      | 10    | 9.2375               | 20       | 240        | 1     | 0.17% |
| 3        | Light 23             | . 2      | 5,985      | NM.      | Copper     | ı    | Set of      | 10    | 4.5625               | 67       | 240        | 1     | 0.45% |
| 4        | Light 20             | . 3      | 2,214      | NM.      | Copper     | 1    | Set of      | 10    | 0 204167             | 95       | 240        | 1     | 0.47% |
| 5        | Light 22             | . 3      | 2.214      | NM:      | Copper     | 1    | Set of      | 10    | 3.383333             | 28       | 240        | 1     | 0.54% |
| 6        | Light 19             | . 5      | 1,753      | NM.      | Copper     | 1    | Set of      | 10    | 3.0875               | 77       | 240        | 1     | 0.75% |
| 7        | Light 17             | - 6      | 1,114      | NM.      | Copper     | 1    | Secof       | 10    | 2 883333             | 80       | 240        | 1     | 0.97% |
| 8        | Light 15             | , 7      | 808        | NM.      | Copper     | 1    | Set of      | 10    | 2.679167             | 95       | 240        | 1     | 1.20% |
| 9        | Light 13             | 8        | 609        | NM       | Copper     | 1    | Set of      | 10    | 2 475                | 108      | 240        | 1     | 1.44% |
| 10       | Ught 11              | 9        | 476        | NIV-     | Copper     | 1    | Set of      | 10    | 2 270833             | 55       | 240        | 1     | 1.56% |
| 11       | Light 9              | 10       | 429        | . NM     | Copper     | 1    | Set of      | 10    | 2.1125               | 62       | 240        | 1     | 1.68% |
| 12       | Light 6              | . 11     | 385        | . NM     | Copper     | 1    | Set of      | 10    | 0.295833             | 62       | 240        | 1     | 1.70% |
| 13       | Light 8              | - 11     | 385        | NM.      | Copper     | 1    | Set of      | 10    | 0 908333             | 27       | 240        | 1     | 1.70% |
| 14       | Light 4              | 13       | 369        | NM.      | Copper     | 1    | Set of      | 10    | 0.704167             | 97       | 240        | 1     | 1.76% |
| 15       | Light 2              | . 14     | 320        | . NM     | Copper     | 1    | Set of      | 10    | 0.5                  | 70       | 240        | 1     | 1.80% |
| 16       | Light 3              | 15       | 292        | NM.      | Copper     | 1    | Set of      | 10    | 0.295833             | 35       | 240        | 1     | 1.61% |
| 17       | Light 7              | - 11     | 385        | NM:      | Copper     | 1    | Set of      | 10    | 0.6125               | 37       | 240        | 1     | 1.70% |
| 18       | Light 10             | . 17     | 363        | NM.      | Copper     | 1    | Set of      | 10    | 0.408333             | 51       | 240        | 1     | 1.72% |
| 19       | Light 12             | . 18     | 337        | NM.      | Copper     | 1    | Secof       | 10    | 0 204167             | 70       | 240        | 1     | 1.73% |
| 20       | Light 21             | , 3 .    | 2,214      | . NM     | Copper     | 1    | Set of      | 10    | 0.816667             | 60       | 240        | . 1   | 0.49% |
| 21       | Light 18             | 20       | 1,415      | NM.      | Copper     | 11   | Set of      | 10    | 0.6125               | 117      | 240        | 1     | 0.56% |
| 22       | Light 16             | . 21     | 831        | NM.      | Copper     | 1    | Secof       | 10    | 0.408333             | 103      | 240        | 1     | 0.60% |
| 23       | Light 14             | 22       | 609        | NM.      | Copper     | 1    | Set of      | 10    | 0.204167             | 91       | 240        | 1     | 0.62% |
|          |                      | Source*  | Source     | Conduit  | Conductor  |      |             |       |                      |          |            | l     | **%   |
| Point    | Point Name           | Point    | Amps       | Type     | Type       | Wire | r Sizir/Qua | ntity | Load (A)             | Distance | Voltage    | Phase | Vdrop |
| 1        | 120 / 240 1 ph 25    | 12175    | 12,175     |          |            |      |             |       |                      |          |            |       |       |
| 2        | Light 24             | 1 .      | 12,175     | NM       | . Copper . | 1    | Set of      | . 10  | 9.2375               | 20       | 240        | 1     | 0.17% |
| 3        | Light 25             | 2        | 5,985      | NM       | Capper     | 1    | Set of      | . 10  | 4.516667             | 67       | 240        | 1     | 0.45% |
| 4        | Light 26             | 3        | 2,214      | NM       | Copper     | 1    | Set of      | 10    | 4 220833             | 35       | 240        | 1     | 0.58% |
| 5        | Light 27             | 4 .      | 1,666      | NM       | . Copper . | 1    | Set of      | . 10  | 4.016667             | 70       | 240        | 1     | 0.84% |
| 6        | Light 28             | 5        | 1,114      | NM.      | Capper     | 1    | Set of      | 10    | 3.8125               | 75       | 240        | 1     | 1.10% |
| 8        | Light 29             | 7        | 822        | NM       | Copper     | 1    | Set of      | . 10  | 3 60833              | 95       | 240        | 1     | 1.42% |
| 8        | Light 30             | + .      | 617<br>500 | NM       | Copper .   | 1    | Set of      | . 10  | 3.404167<br>1.408333 | 90<br>95 | 240<br>240 | 1     | 1.70% |
|          | Light 31             | 8 9      |            | NM       | Capper     | 1    | Set of      | . 10  |                      |          | 240        | 1     | 1.87% |
| 10       | Light 32             |          | 416        | NM       | Copper     | 1    | Set of      | 10    | 1.1125               | 35       |            | 1     | 1.86% |
| 11       | Light 33             | 10       | 392        | NM       | Copper     |      | Set of      | 10    | 0.90299              | 95<br>70 | 240        | 1     | 1.93% |
|          | Light 35             |          | 338        | NM       | Capper     | 1    | Set of      | 10    | 0.6125               |          | 740        |       | 1.97% |
| 13       | Light 37             | 12       | 307        | NM       | Copper     | 1    | Set of      | 10    | 0.40833              | 33       | 240        | 1     | 1.99% |
| 14<br>15 | Light 38             | 13       | 295        | NM       | Copper     | 1    | Set of      | 10    | 0.204167             | 80       | 240        | 1     | 2.00% |
|          | Light 34             | 8        | 500        | NM       | Capper     | 1    | Set of      | . 10  | 1.8375               | 60       |            | 1     | 1.80% |
| 16       | Light 36             | 15<br>16 | 443        | NM       | Соррен     | 1    | Set of      | 10    | 1 63333              | 93       | 240        | 1     | 1,94% |
| 17       | Light 39             | 16       | 377<br>343 | NM<br>NM | Copper     | 1    | Set of      | 10    | 1.429167             | 133      | 240        | 1     | 2.02% |
| 19       | Light 40             | 17       | 287        | NM<br>NM | Copper     | 1    | _           | 10    | _                    |          | 240        | 1     |       |
| 20       | Light 41             | 19       |            | NM<br>NM | Copper     | 1    | Set of      |       | 0.770833             | 90       | 240        | 1     | 2.22% |
|          | Light 44             | 20       | 267        | 1        | . Copper . |      | Set of      | . 10  |                      |          |            | 1 1   |       |
| 21       | Light 45<br>Light 46 | 21       | 243        | NM<br>NM | Capper     |      | Set of      | . 10  | 0.6125               | 51       | 240<br>240 | 1     | 2.31% |
|          | URITUAD              | 1 41     | 231        | INIVI    | Copper     | 1    | Set of      | . 40  | 0.408333             | 25       | 740        | 1 1   | 2.32% |
| 22       | Light 47             | 22       | 225        | NM       | Copper     | 1    | Set of      | 10    | 0.204167             | 60       | 240        | 1     | 2.33% |

A VOLTAGE DROP CALCULATIONS
NOT TO SCALE

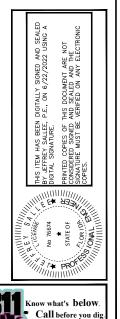
|                      | EXISTING PA   | ANEL  |                        |              |         |  |  |
|----------------------|---------------|-------|------------------------|--------------|---------|--|--|
| VOLTAGE 120:240      |               | P     | ANEL BUS               | 100          | AMPS    |  |  |
| PHASE, WIRES: 1g. 3W |               |       | MAIN                   | 60A          | BREAKER |  |  |
| SCCR (AMPS): 10 000  |               |       |                        |              |         |  |  |
| SOURCE UTILITY       |               |       |                        |              |         |  |  |
| DESCRIPTION          | [ VA [        | CB    | CKT .                  | A            | . в     |  |  |
| MAIN CIRCUIT BREAKER | 0             | 60/2  | 1                      | 90           |         |  |  |
| MAIN CIRCUIT BREAKER | "             |       | 2                      |              | 32 0    |  |  |
| EXECUTE:             | 3840          | 20/2  | 3 .                    | 16.0         | •       |  |  |
| EXISTING             |               |       | 4                      |              | 16.0    |  |  |
| EXISTING PHOTOGELL   | 100           | 20/1  | 5                      | 90           |         |  |  |
| SPACE                | 0             | а     | 6                      |              | 9.0     |  |  |
| LIGHTING             | 2217          | DD ID | 7 .                    | 9.2          | •       |  |  |
| CiGittiles           | 2217          | 20/2  | 8                      |              | 92      |  |  |
|                      | '             |       | 101ALS                 | <b>Z</b> 5 2 | 58 1    |  |  |
|                      |               |       |                        |              |         |  |  |
| OAD CALCULATIONS     | SUBTOTAL (VA) | 6157  |                        |              |         |  |  |
| +25% PER NEC (VA)    |               | 1539  |                        |              |         |  |  |
| TOTAL (VA)           |               |       | @ 240V, 1Ø - 32 1 AMPS |              |         |  |  |

B PANEL SCHEDULE
NOT TO SCALE



C TRENCH DETAIL

NOT TO SCALE



811 or 1-800-432-4770 or or visit inc. com

FDOT LANDSCAPE PERMIT NUMBER: 2021-L-491-00009

No. REVISIONS DATE BY

Kimley»Horn

© 2021 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM CA 00000696

CHECKED BY
CHECKED BY

KHA PROJECT 044241043 DATE APRIL 2021 SCALE AS SHOWN DESIGNED BY MM DRAWN BY AL

SR 7 MOBILITY HUB IMPROVEMENTS

32

sv CITY OF HOLLYWOOD

CITY OF HOLLYWOOD

JEFFREY SALLEE

FL LICENSE NUMBER
76674

ATE: 6/22/2022

LICENSED PROFESSIONAL

**ELECTRICAL DETAILS** 

SHEET NUMBER

E101.0

#### **EXHIBIT C**

## **MAINTENANCE PLAN REQUIREMENTS**

In reference to Maintenance to be performed under this Agreement, the **AGENCY** shall submit to the **DEPARTMENT** a maintenance plan detailing the means and methods for accomplishing any maintenance or repairs to the **IMPROVEMENTS** in accordance with all **DEPARTMENT** Standards, Procedures and Specifications. This plan shall be submitted and approved by the **DEPARTMENT** prior to commencing any maintenance or repair activities. The **AGENCY** shall comply with the **DEPARTMENT's** applicable Maintenance Rating Program Standards. The plan should at minimum detail how the **AGENCY** will address the following:

- 1. Providing for continuous traffic control and necessary traffic control devices as required for the safe movement of traffic of vehicular and pedestrian traffic past the location of the structure being repaired for the duration of the repair in accordance with **DEPARTMENT** Standards, Procedures and Specifications.
- 2. Protection of adjacent surrounding property, real estate, vehicles, pedestrians, attachments to the light poles, or other assets during the preparation and recoating of surfaces.
- 3. Containment of debris or materials used in or resulting from the repair

After the maintenance plan is approved, the **AGENCY** shall submit a work plan to the **DEPARTMENT** for approval prior to each repair to be performed detailing:

- 1. The proposed date of the repair
- 2. The location of the repair
- 3. The nature of the repair
- 4. The materials to be used for the repair