

REVISIONS: COMMENT: Sunshine 🔠

PROJECT No.: F220134
DRAWN BY: CAD
CHECKED BY: MAT
DATE: 08/21/2023
CAD I.D.: SOUTH GARAGE - 300 LEVEL

HOTEL 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

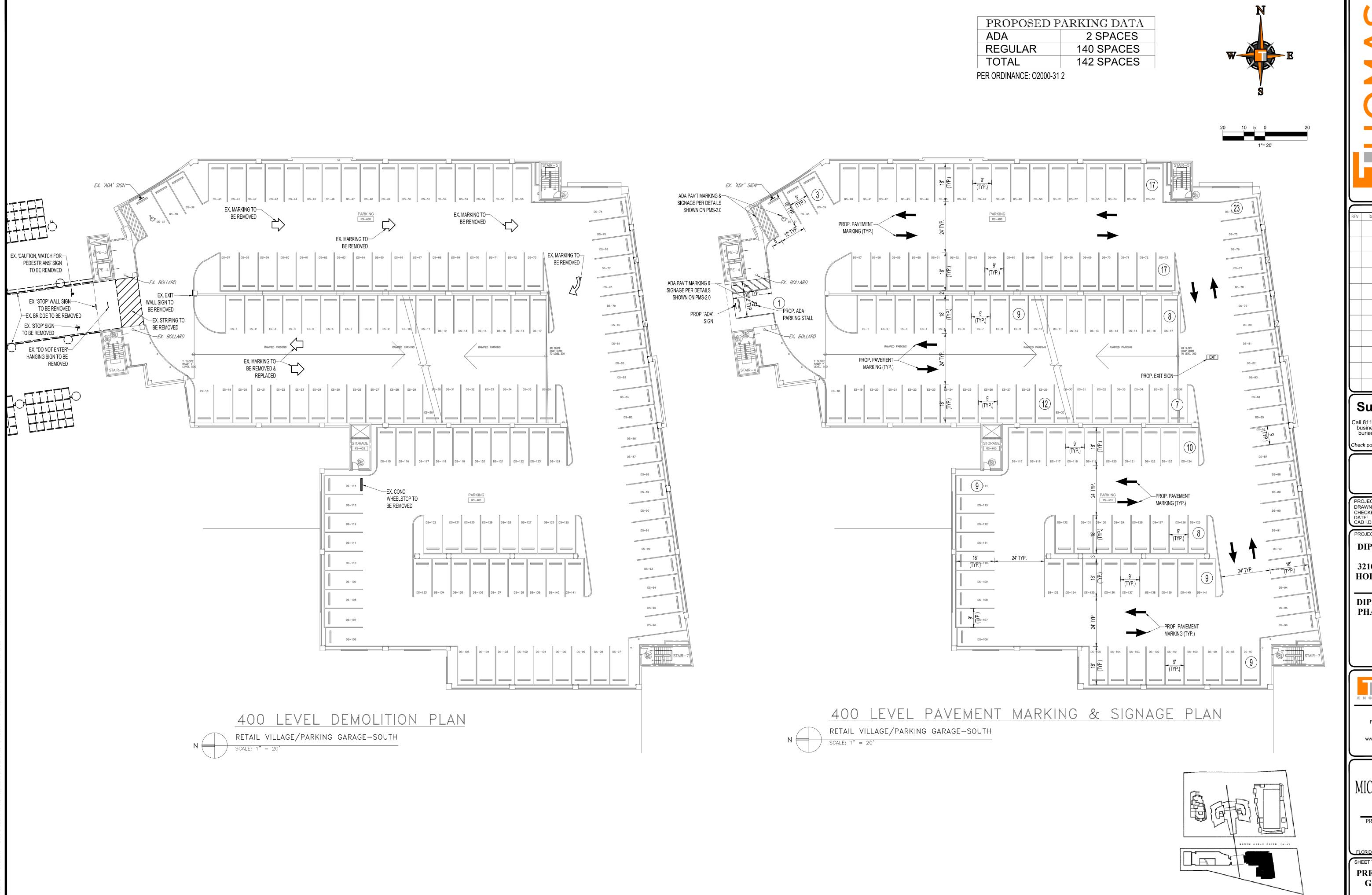
DIPLOMAT LANDINGS PHASE 1 OWNER, LLC

6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070 www.ThomasEngineeringGroup.com

MICHAEL A. TROXELL

PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

**PRELIMINARY SOUTH GARAGE** 



COMMENT:

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked. Check positive response codes before you dig

CHECKED BY: MAT
DATE: 08/21/2023
CAD I.D.: SOUTH GARAGE - 400 LEVEL

DIPLOMAT LANDINGS

HOTEL 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

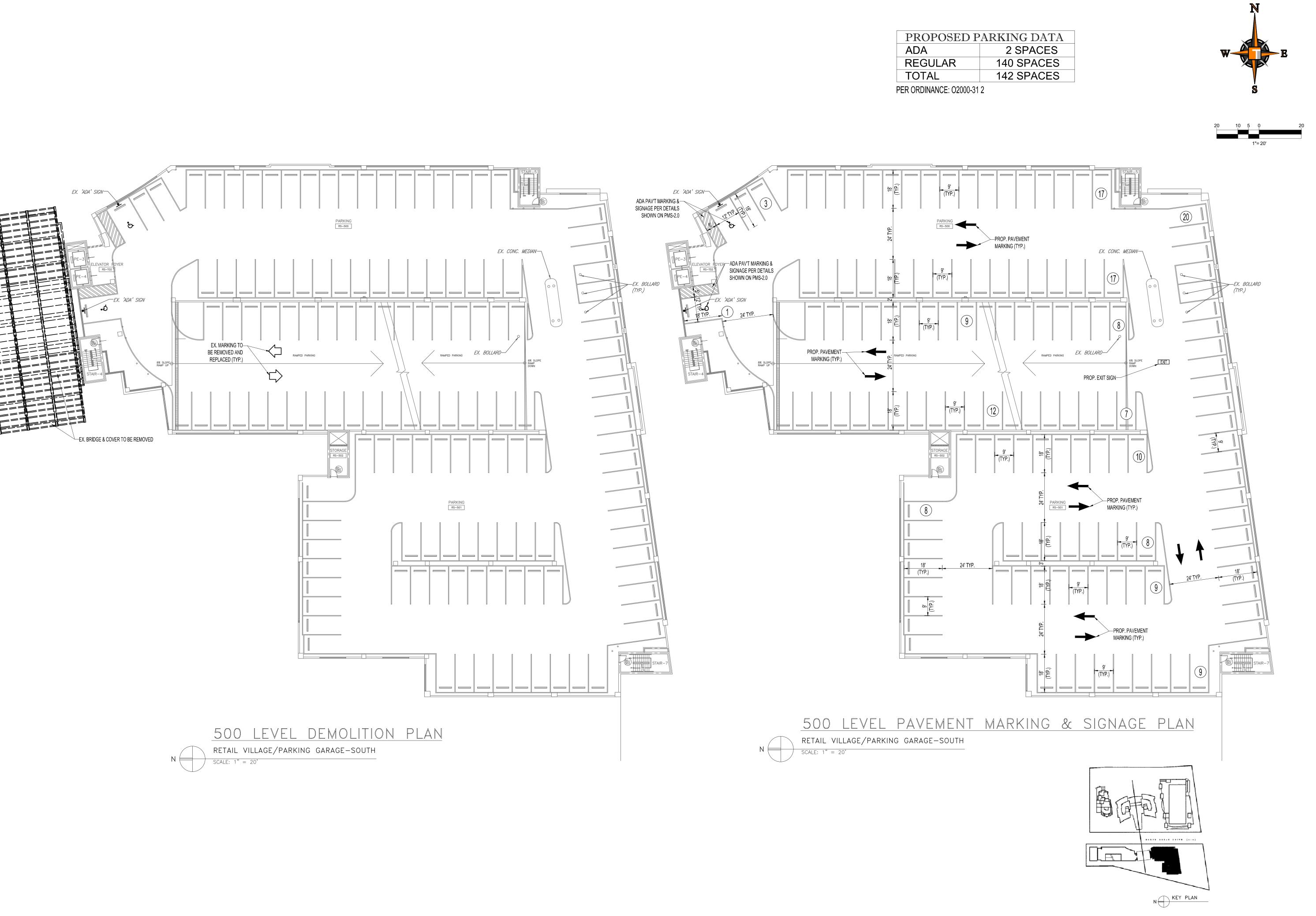
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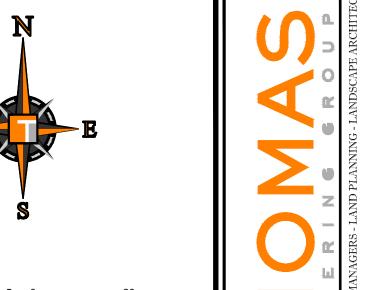
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PRELIMINARY SOUTH **GARAGE PLAN 400 LEVEL** 





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CAD I.D.: SOUTH GARAGE - 500 LEVEL

DIPLOMAT LANDINGS

HOTEL 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

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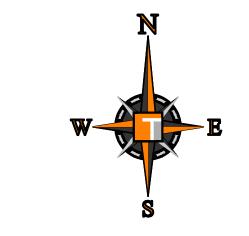
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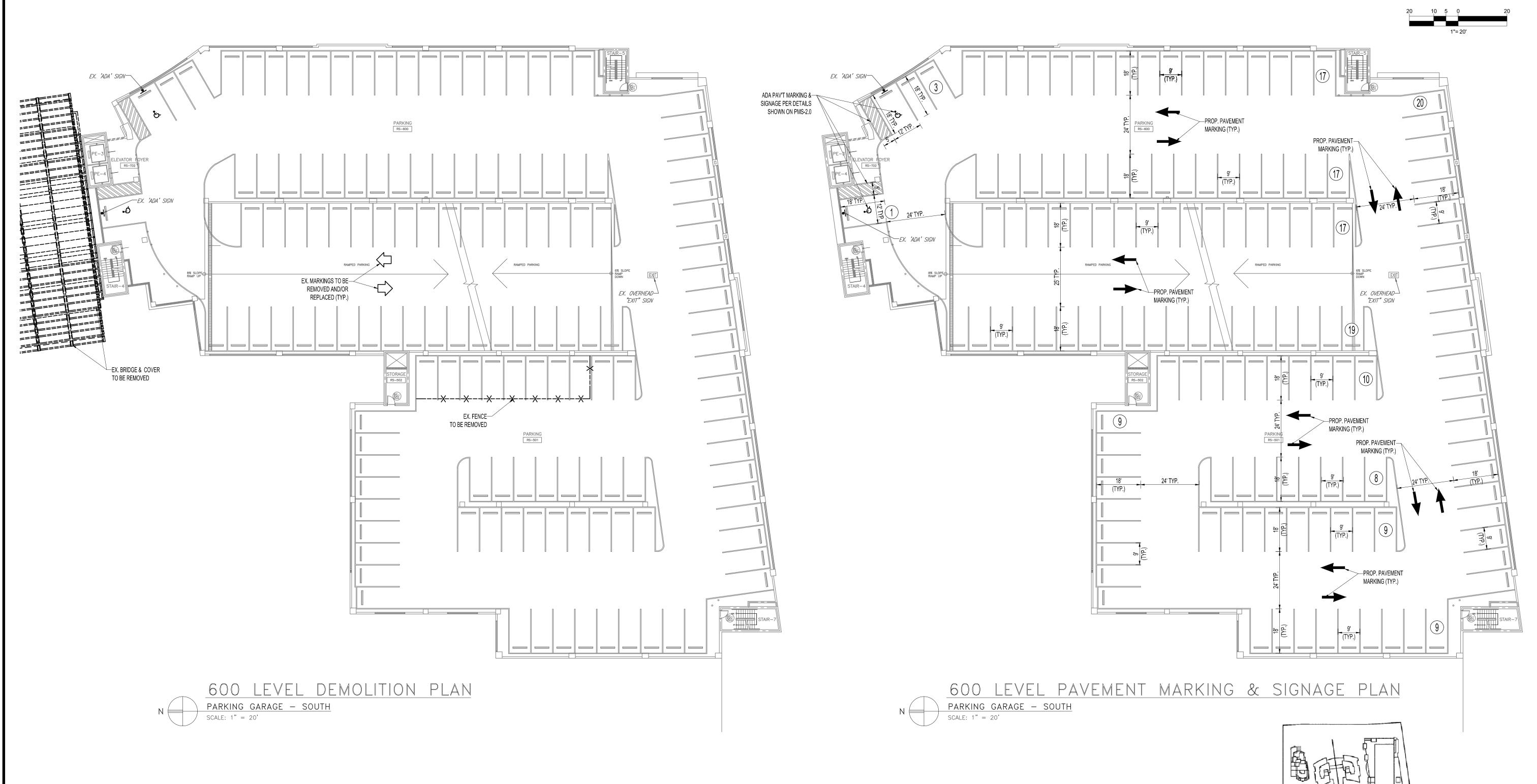
**PRELIMINARY SOUTH GARAGE** 

PLAN 500 LEVEL

PROPOSED PARKING DATA
ADA 2 SPACES
REGULAR 140 SPACES
TOTAL 142 SPACES



PER ORDINANCE: O2000-31 2



ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE A:

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE A:

LIT 1502 W. FLETCHER AVE.

SUITE 206

TAMPA, FL 33612

P: 661-203-7503

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PROJECT No.: F220134
DRAWN BY: CAD
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CAD I.D.: SOUTH GARAGE - 600 LEVEL

PROJECT:

DIPLOMAT LANDINGS

HOTEL 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

DIPLOMAT LANDINGS PHASE 1 OWNER, LLC

HOMAS ENGINEERING GROUP

> 6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070 www.ThomasEngineeringGroup.com

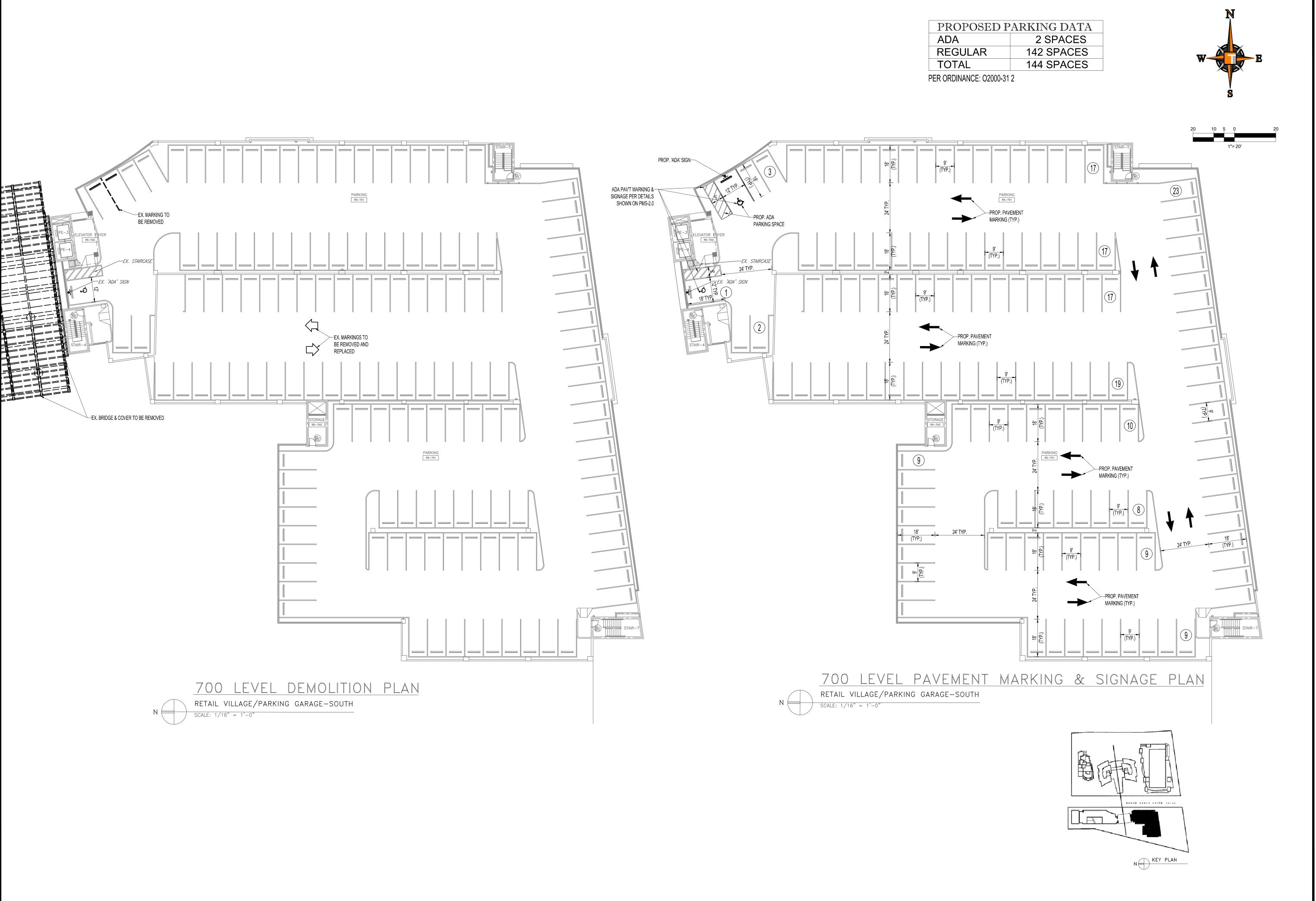
MICHAEL A. TROXELL

PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

October 31, 2023

PRELIMINARY SOUTH GARAGE

PLAN 600 LEVEL



ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

TAMPA, FL 33642
P: (813) 379-4100

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PROJECT No.: F220134
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CAD I.D.: SOUTH GARAGE - 700 LEVEL

PROJECT:

DIPLOMAT LANDINGS
HOTEI

HOTEL 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

DIPLOMAT LANDINGS PHASE 1 OWNER, LLC

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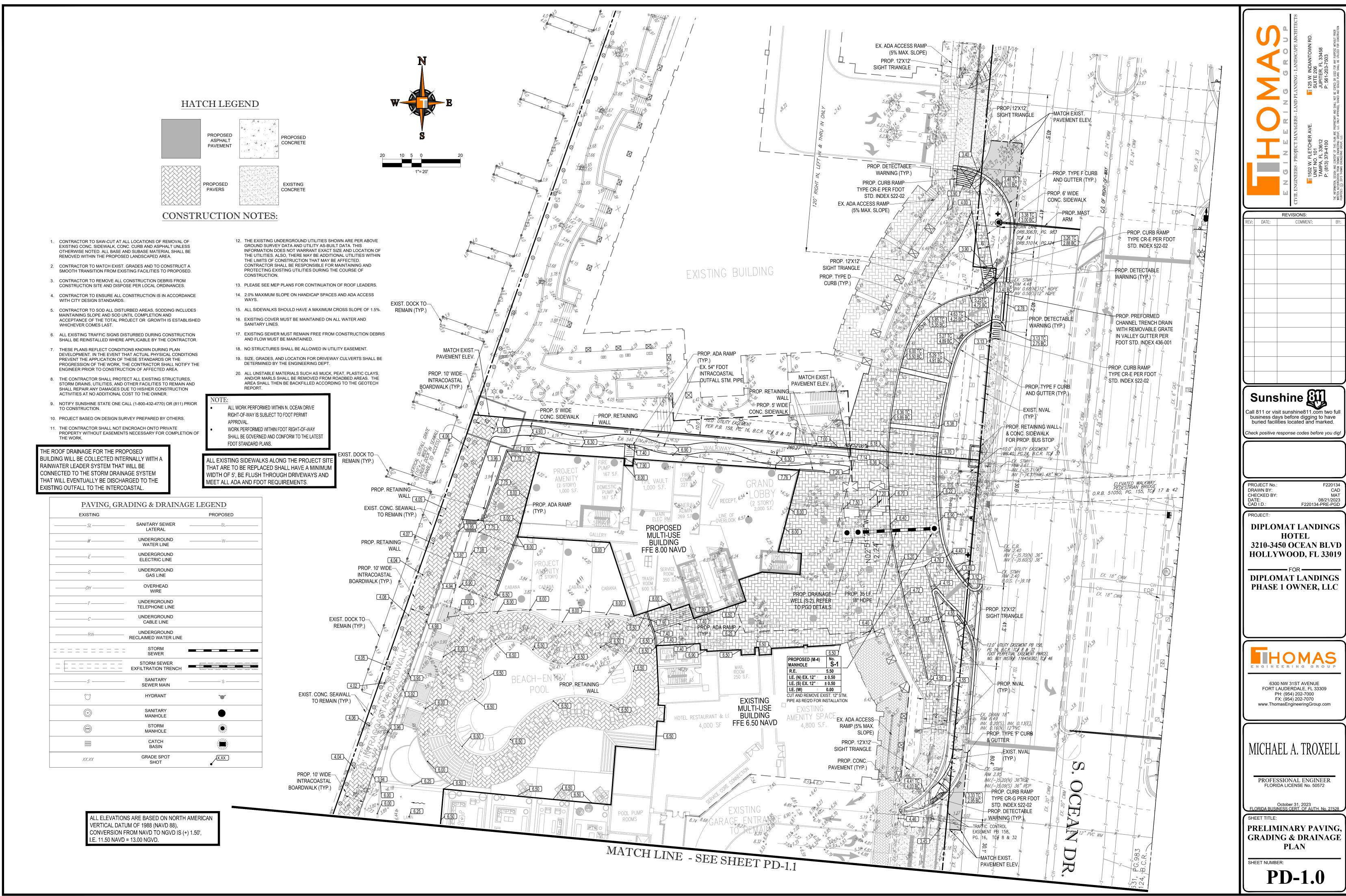
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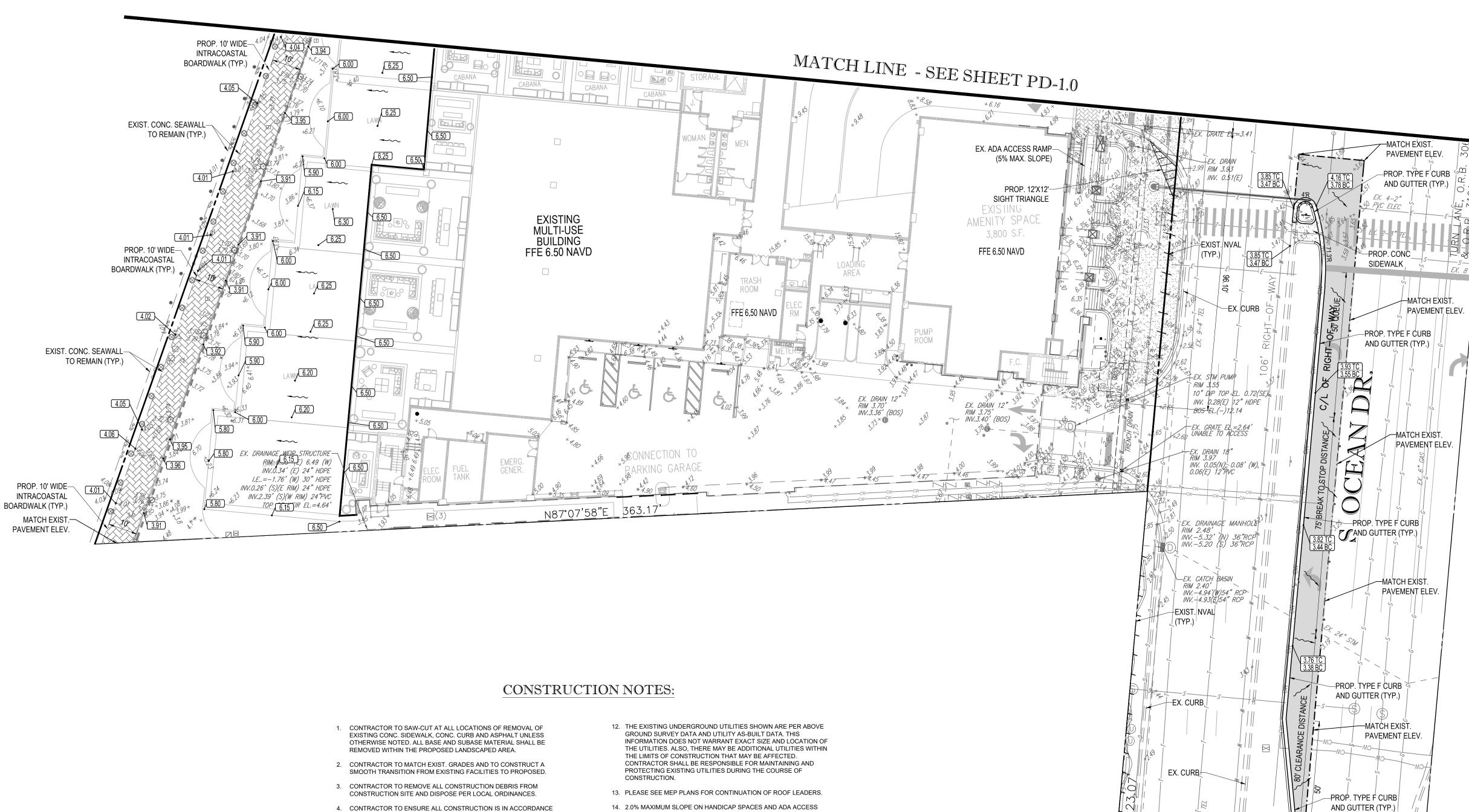
PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

October 31, 2023 FLORIDA BUSINESS CERT. OF AUTH. No.

> PRELIMINARY SOUTH GARAGE PLAN 700 LEVEL

SHEET NUMBER





15. ALL SIDEWALKS SHOULD HAVE A MAXIMUM CROSS SLOPE OF 1.5%.

17. EXISTING SEWER MUST REMAIN FREE FROM CONSTRUCTION DEBRIS

19. SIZE, GRADES, AND LOCATION FOR DRIVEWAY CULVERTS SHALL BE

20. ALL UNSTABLE MATERIALS SUCH AS MUCK, PEAT, PLASTIC CLAYS,

AND/OR MARLS SHALL BE REMOVED FROM ROADBED AREAS. THE

AREA SHALL THEN BE BACKFILLED ACCORDING TO THE GEOTECH

16. EXISTING COVER MUST BE MAINTAINED ON ALL WATER AND

18. NO STRUCTURES SHALL BE ALLOWED IN UTILITY EASEMENT.

ALL WORK PERFORMED WITHIN N. OCEAN DRIVE RIGHT-OF-WAY IS SUBJECT TO FDOT PERMIT

WORK PERFORMED WITHIN FDOT RIGHT-OF-WAY SHALL BE GOVERNED AND CONFORM TO THE LATEST

ALL EXISTING SIDEWALKS ALONG THE PROJECT SI THAT ARE TO BE REPLACED SHALL HAVE A MINIMUM

WIDTH OF 5', BE FLUSH THROUGH DRIVEWAYS AND

BUILDING WILL BE COLLECTED INTERNALLY WITH A

THAT WILL EVENTUALLY BE DISCHARGED TO THE

MEET ALL ADA AND FDOT REQUIREMENTS.

THE ROOF DRAINAGE FOR THE PROPOSED

RAINWATER LEADER SYSTEM THAT WILL BE CONNECTED TO THE STORM DRAINAGE SYSTEM

EXISTING OUTFALL TO THE INTERCOASTAL.

AND FLOW MUST BE MAINTAINED.

APPROVAL.

FDOT STANDARD PLANS.

DETERMINED BY THE ENGINEERING DEPT.

WITH CITY DESIGN STANDARDS.

WHICHEVER COMES LAST.

TO CONSTRUCTION.

5. CONTRACTOR TO SOD ALL DISTURBED AREAS, SODDING INCLUDES

6. ALL EXISTING TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION

PREVENT THE APPLICATION OF THESE STANDARDS OR THE

ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED AREA.

8. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES,

ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.

10. PROJECT BASED ON DESIGN SURVEY PREPARED BY OTHERS.

11. THE CONTRACTOR SHALL NOT ENCROACH ONTO PRIVATE

SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.

DEVELOPMENT. IN THE EVENT THAT ACTUAL PHYSICAL CONDITIONS

PROGRESSION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE

STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND

SHALL REPAIR ANY DAMAGES DUE TO HIS/HER CONSTRUCTION

9. NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770) OR (811) PRIOR

PROPERTY WITHOUT EASEMENTS NECESSARY FOR COMPLETION OF

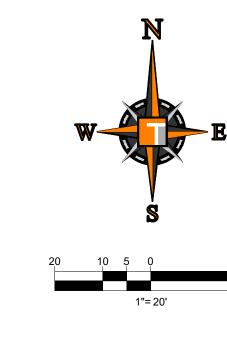
ACCEPTANCE OF THE TOTAL PROJECT OR GROWTH IS ESTABLISHED

MAINTAINING SLOPE AND SOD UNTIL COMPLETION AND

7. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN

AND GUTTER (TYP.)

ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). CONVERSION FROM NAVD TO NGVD IS (+) 1.50', I.E. 11.50 NAVD = 13.00 NGVD.



# HATCH LEGEND

| PROPOSED<br>ASPHALT<br>PAVEMENT | PROPOSED CONCRETE |
|---------------------------------|-------------------|
| PROPOSED<br>PAVERS              | EXISTING CONCRETE |

PAVING, GRADING & DRAINAGE LEGEND

| EXISTING    |                                     | PROPOSED |
|-------------|-------------------------------------|----------|
|             | SANITARY SEWER<br>LATERAL           | SL-      |
|             | UNDERGROUND<br>WATER LINE           | W-       |
| E           | UNDERGROUND<br>ELECTRIC LINE        |          |
| -G          | UNDERGROUND<br>GAS LINE             |          |
| -OH         | OVERHEAD<br>WIRE                    |          |
|             | UNDERGROUND<br>TELEPHONE LINE       |          |
|             | UNDERGROUND<br>CABLE LINE           |          |
| -RW         | UNDERGROUND<br>RECLAIMED WATER LINE |          |
| =======     | STORM<br>SEWER                      |          |
| <del></del> | STORM SEWER<br>EXFILTRATION TRENCH  |          |
|             | SANITARY<br>SEWER MAIN              | S        |
| ₩           | HYDRANT                             | *        |
| (35)        | SANITARY<br>MANHOLE                 | •        |
| STORA       | STORM<br>MANHOLE                    |          |
|             | CATCH<br>BASIN                      |          |

**GRADE SPOT** 

SHOT

|               | NEVISIONS. |          |     |  |  |  |  |
|---------------|------------|----------|-----|--|--|--|--|
| REV:          | DATE:      | COMMENT: | BY: |  |  |  |  |
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DRAWN BY: CHECKED BY: 08/21/2023 F220134-PRE-PGD

PROJECT:

**DIPLOMAT LANDINGS** 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019

**DIPLOMAT LANDINGS** PHASE 1 OWNER, LLC



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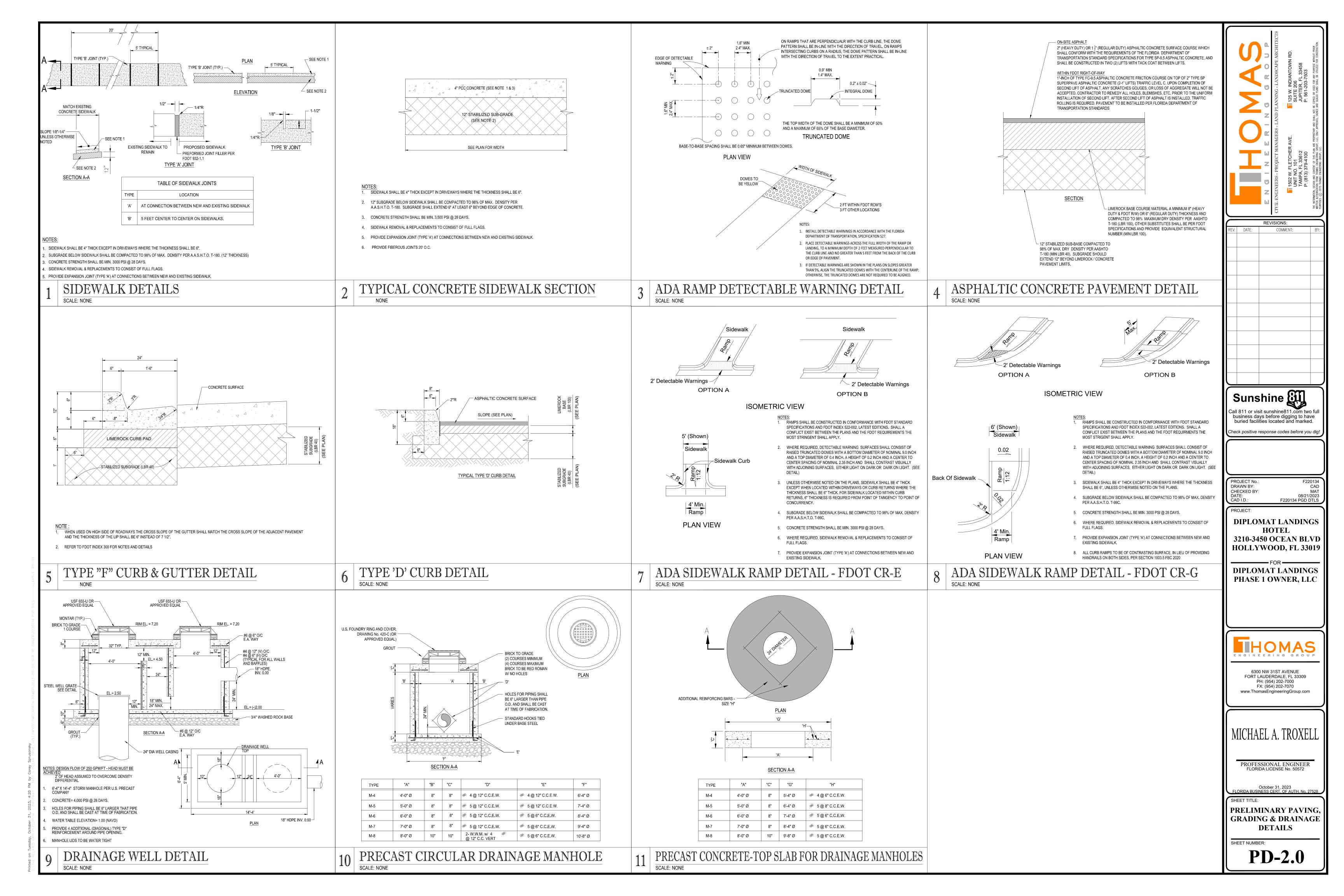
MICHAEL A. TROXELL

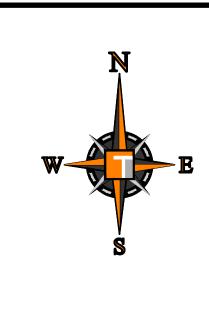
PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

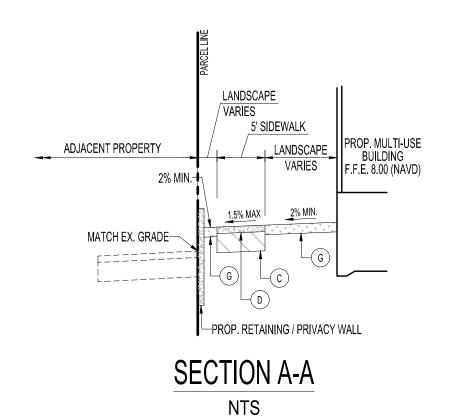
October 31, 2023 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

PRELIMINARY PAVING, GRADING & DRAINAGE **PLAN** 

XX.XX







EX. CONC.

EX. CONC. SEAWALL-

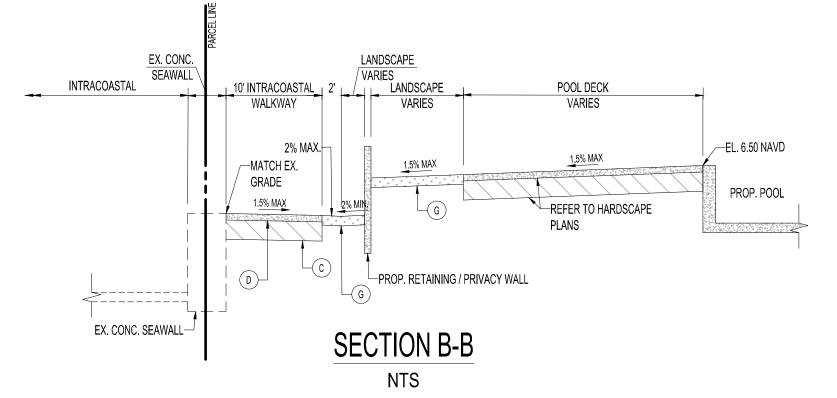
INTRACOASTAL

10' INTRACOASTAL 2'

─MATCH EX. GRADE

LANDSCAPE

SECTION C-C



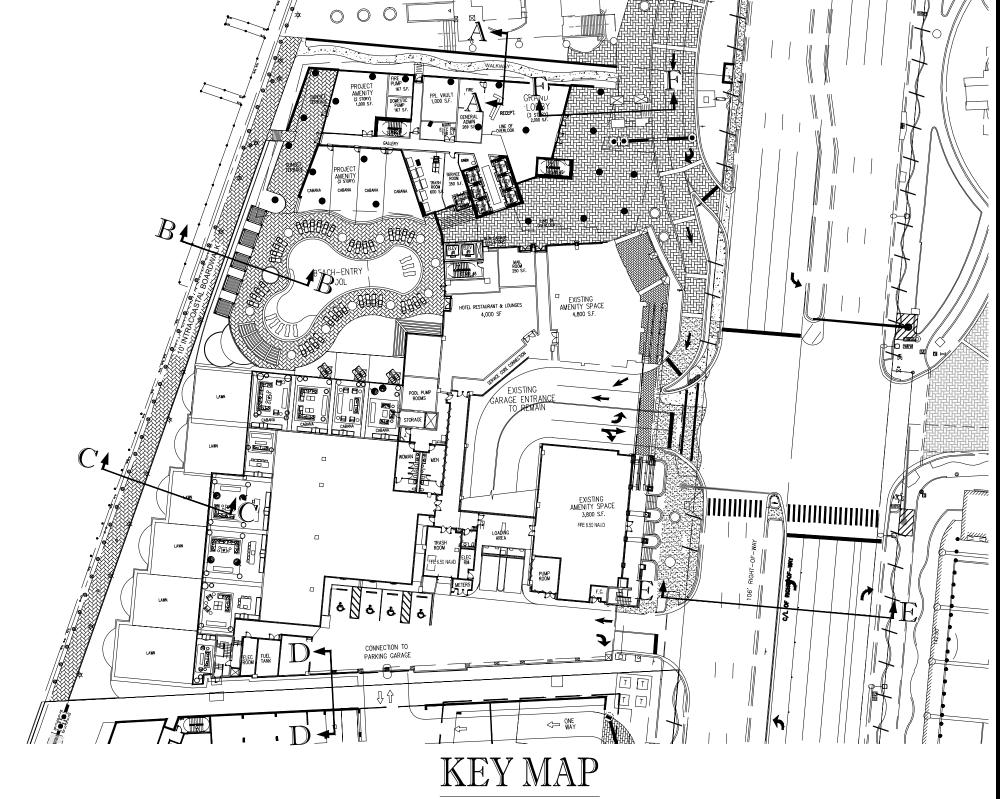
ADJACENT PROPERTY

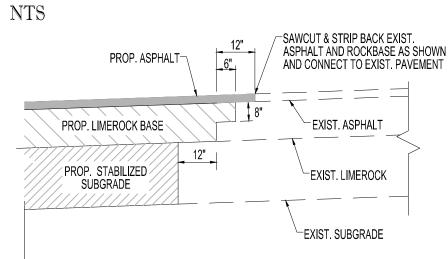
EX. LANDSCAPE

OR HIGHER

PROP. LANDSCAPE

ex. Parking Garage / Building F.F.E. Varies





# EXISTING PAVEMENT

# **LEGEND**

A. <u>WEARING SURFACE</u>: INSTALLATION OF THE 1.5" ASPHALTIC CONCRETE SURFACE COURSE WHICH SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR TYPE SP-9.5 ASPHALTIC CONCRETE, AND SHALL BE CONSTRUCTED WITH (2) LIFTS OF 3/4" SP-9.5 ASPHALTIC CONCRETE WITH TACK COAT BETWEEN LIFTS.

LIME ROCK BASE COURSE MATERIAL SHALL BE A MINIMUM 8" THICKNESS AND

12" STABILIZED SUB-BASE COMPACTED TO 98% OF MAX. DRY DENSITY PER AASHTO T-180 (MIN LBR 40).

D. <u>CONCRETE SIDEWALK</u>: 4" THICK (6" AT DRIVEWAYS) 3,000 PSI CONCRETE @ 28 DAYS WITH FIBER MESH REINFORCEMENT AND EXPANSION JOINTS ALONG STRUCTURES AND CURBING.

TYPE 'D' CURB PER FDOT STANDARD PLANS 520-001

(H.) DROP CURB PER FDOT STANDARD PLANS 520-001

## PAVEMENT NOTES:

THE FULL DEPTH OF ALL EXISTING ORGANIC AND DELETERIOUS MATERIAL WITHIN THE ROADWAYS, RIGHT-OF-WAYS AND UTILITY/DRAINAGE EASEMENTS SHALL BE REMOVED. NO MATERIAL OF FDOT

2. ALL MATERIAL SUPPORTING THE ROADWAY AND SHOULDERS SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (L.B.R.) OF 40. THE SUBGRADE SHALL BE 12" COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS PER AASHTO T-180. THE ENGINEER AND COUNTY INSPECTOR WILL DETERMINE THE LOCATION AND NUMBER OF DENSITY TESTING, WHICH SHALL BE APPROXIMATELY ONE DENSITY FOR EVERY 7000 SQUARE FEET OF ROAD.

3. LIMEROCK BASE SHALL BE 8" PRIMED AND SHALL HAVE A MINIMUM LIMEROCK BEARING RATE (LBR) OF 100, SHALL BE OF THE MIAMI FORMATION, HAVING A MINIMUM PERCENTAGE OF CARBONATES OF CALCIUM AND MAGNESIUM OF 60, UNLESS OTHERWISE APPROVED. BASE MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVED AREAS.

5. PRIME AND TACK COAT FOR BASE SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF SECTIONS 300-1 THROUGH 300-7 OF F.D.O.T. STANDARDS SPECIFICATIONS. PRIME COAT SHALL BE

APPLY TACK COAT BETWEEN PAVING COURSES AS PER F.D.O.T. MINIMUM STANDARDS (0.05 GAL/SYD).

ALL GRADES SHOWN ARE FINISH ASPHALT PAVEMENT GRADES (2ND LIFT) UNLESS OTHERWISE NOTED

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 PLAN.

LABORATORY PROCTOR COMPACTION TEST (T-180) SHALL BE PERFORMED ON ALL MATERIAL. SUBGRADE AND BASE AND ANY SUBSEQUENT CHANGES IN MATERIALS. LIMEROCK BEARING RATIOS, SIEVE ANALYSIS AND DENSITIES REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO

SAWCUT & STRIP BACK EXIST.
ASPHALT AND ROCKBASE AS SHOWN
AND CONNECT TO EXIST. PAVEMENT

TIE-IN DETAIL

(B.) LIME ROCK BASE: COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100).

TYPE 'F' CURB PER FDOT STANDARD PLANS 520-001

LANDSCAPE AREA - SEE LANDSCAPE PLAN.

CLASS A-5, A-7 OR A-8 SHALL BE ALLOWED.

4. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN INSTALLED, TESTED AND ACCEPTED.

APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD.

ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. UTILITY PIPING OR WIRING LESS THAN FOUR (4) INCHES IN DIAMETER REQUIRES A SCHEDULE 40 PVC CASING PIPE WITH SAND BACKFILLS UNDER PAVED AREAS ONLY.

THE ENGINEER-OF-RECORD.

3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019 **DIPLOMAT LANDINGS** PHASE 1 OWNER, LLC

DIPLOMAT LANDINGS

Sunshine 🔠

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PROJECT:

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08/21/2023 F220134-SECTIONS

COMMENT:

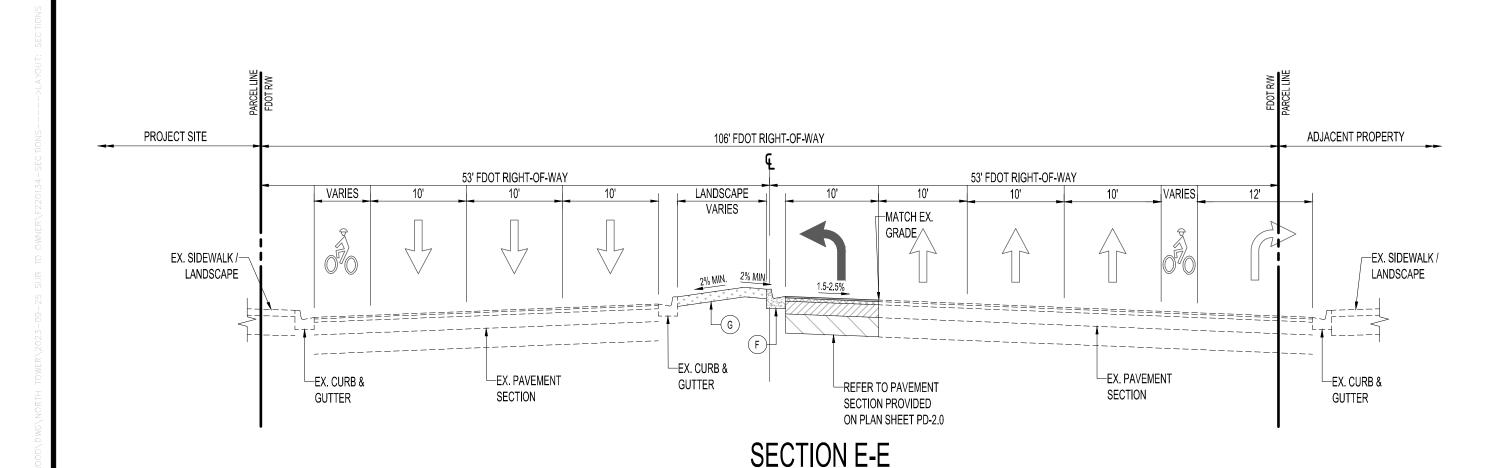
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October 31, 2023 FLORIDA BUSINESS CERT, OF AUTH, No. 27528

PRELIMINARY CROSS **SECTIONS** 

SHEET NUMBER:

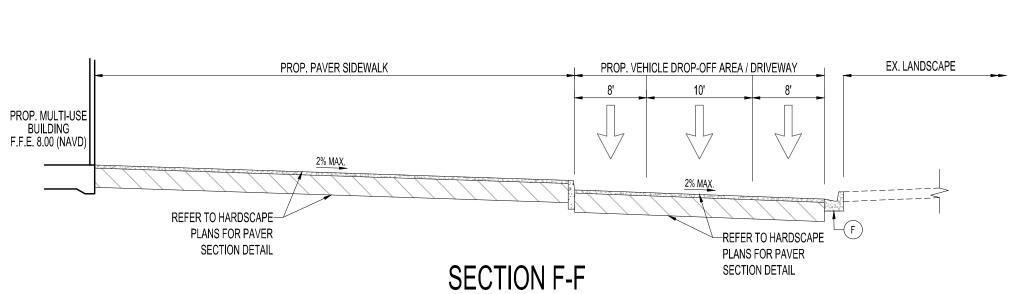


LAWN SPACE

PROP. RETAINING / PRIVACY WALL

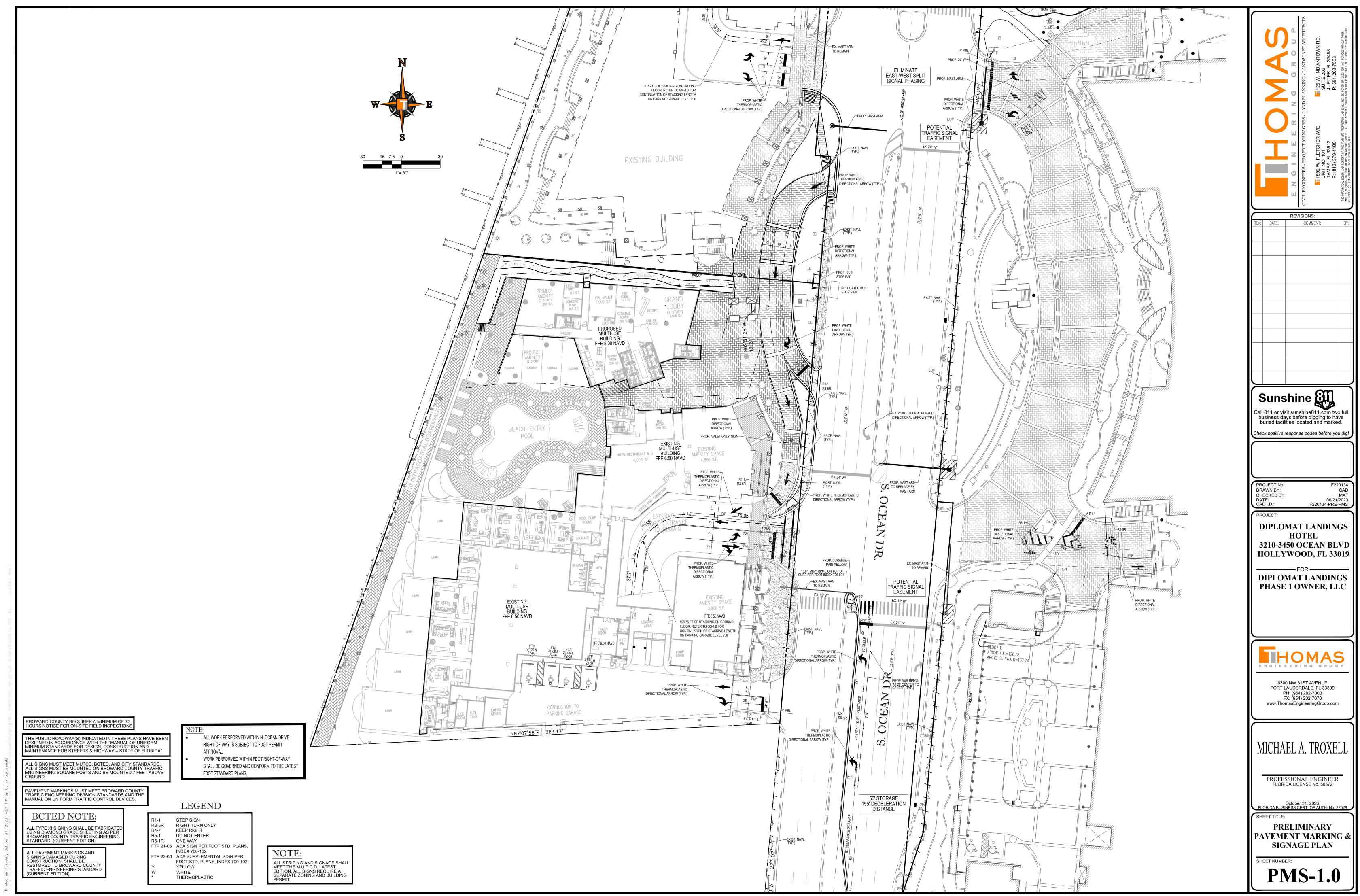
REFER TO HARDSCAPE

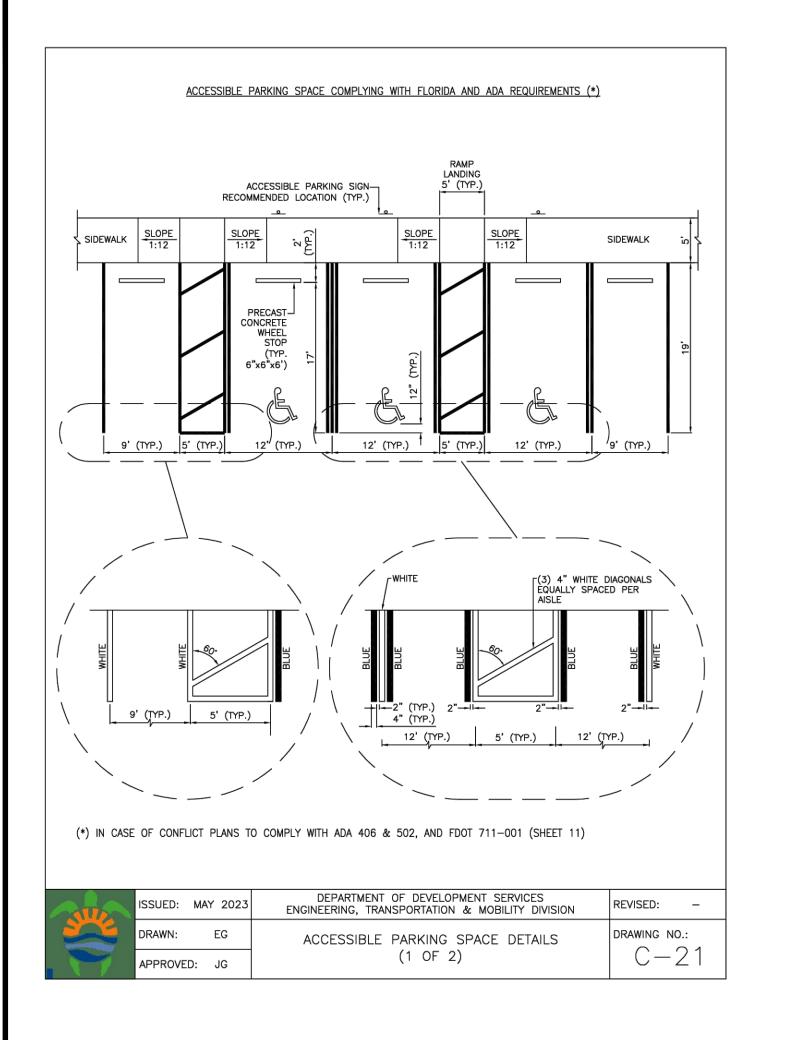
ENTERTAINMENT / LOUNGE SPACE F.F.E. 6.50 (NAVD)

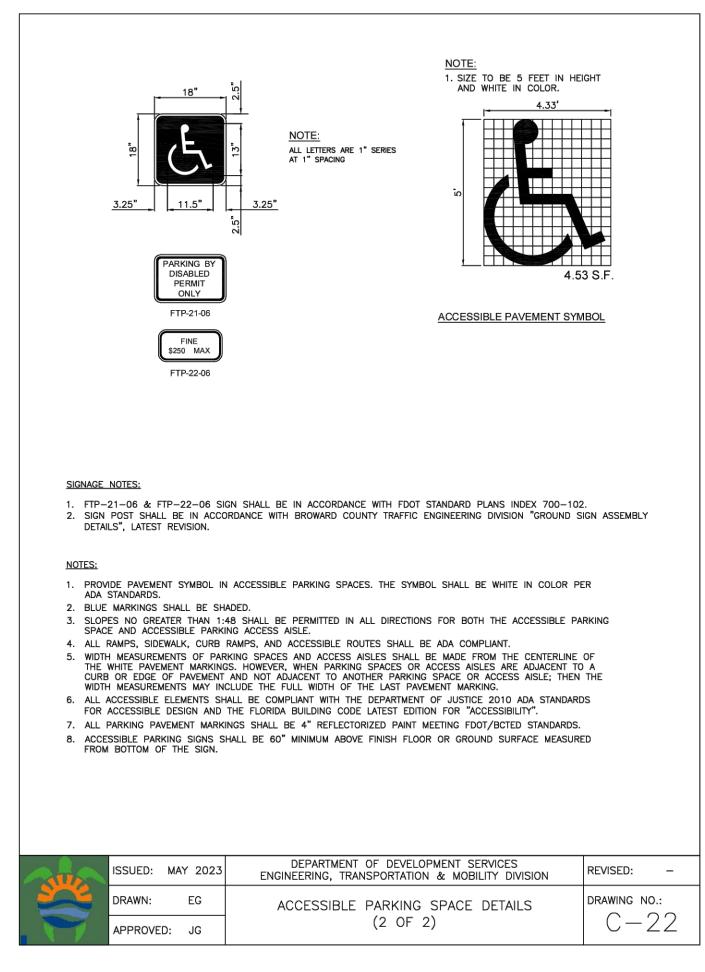


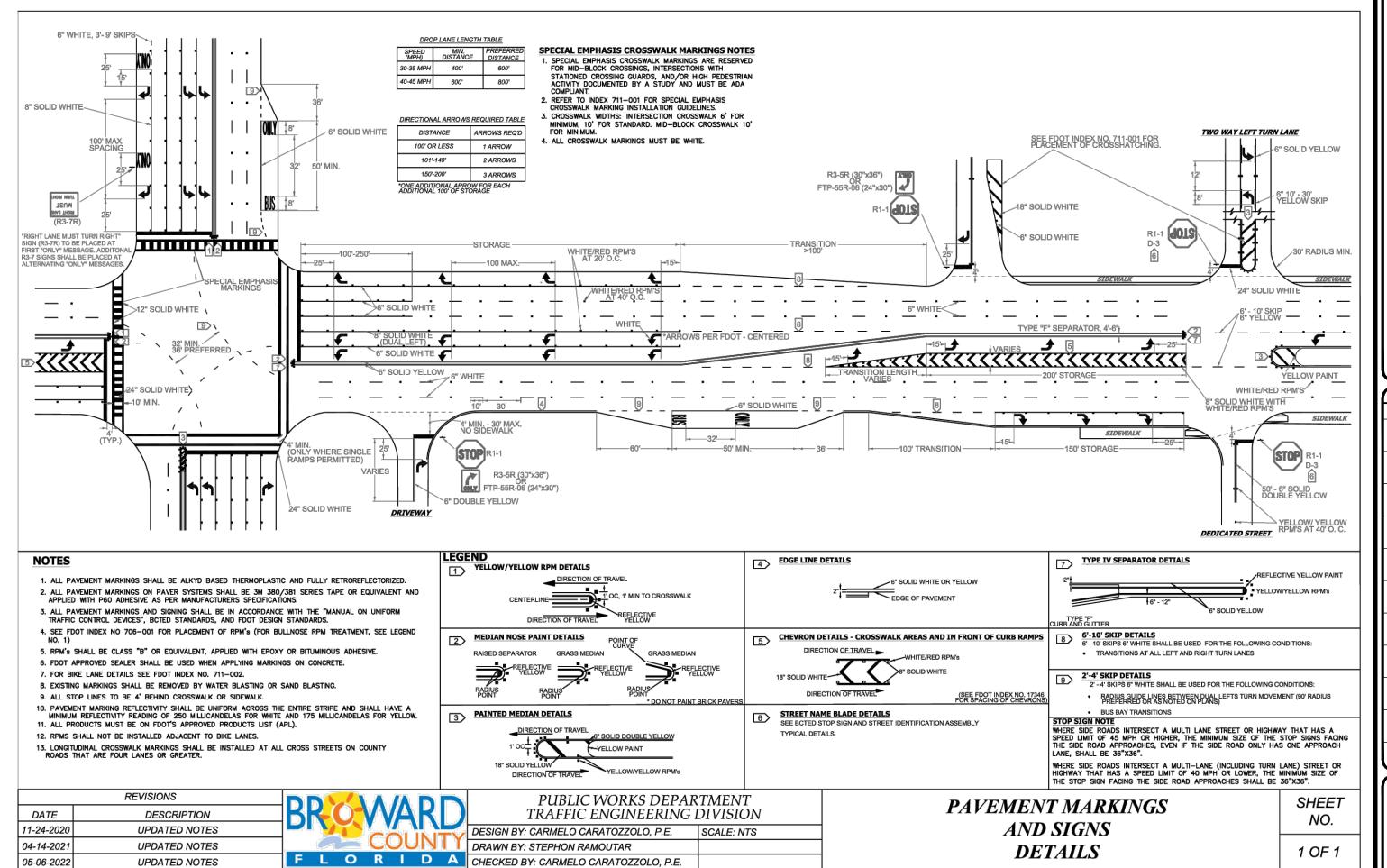
ALL WORK PERFORMED WITHIN N. OCEAN DRIVE RIGHT-OF-WAY IS SUBJECT TO FDOT PERMIT APPROVAL. WORK PERFORMED WITHIN FDOT RIGHT-OF-WAY SHALL BE GOVERNED AND CONFORM TO THE LATEST

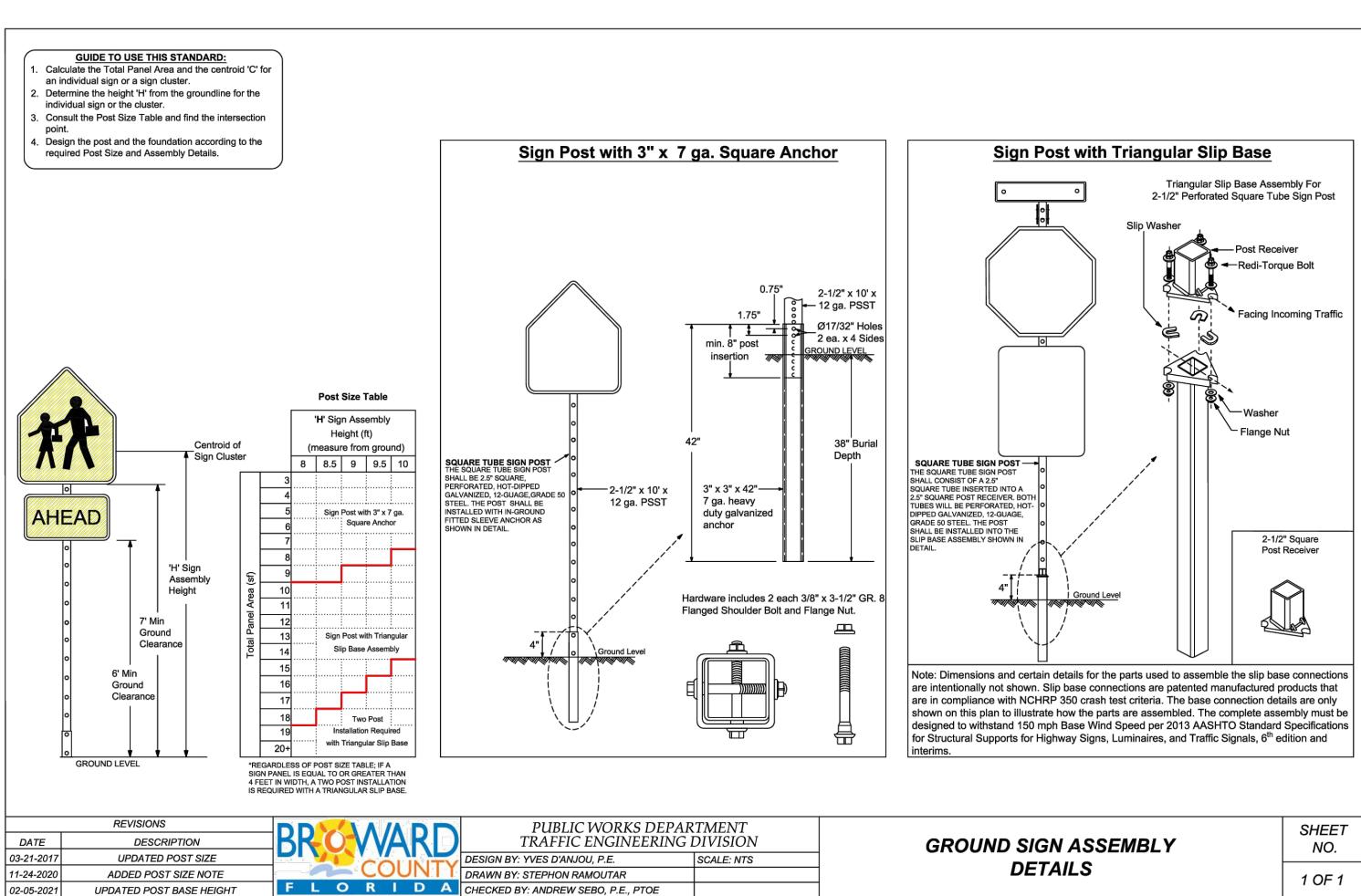
FDOT STANDARD PLANS.

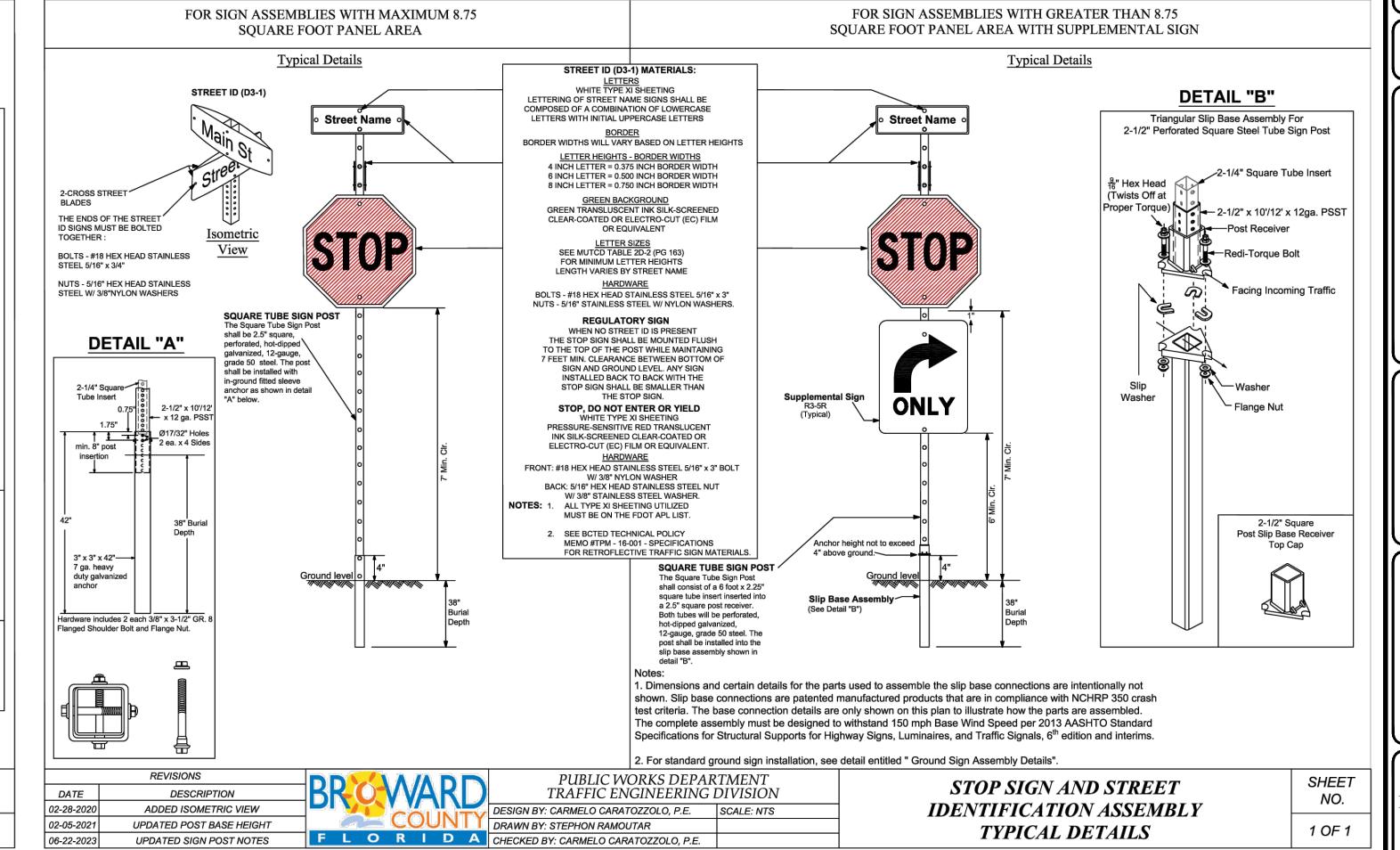




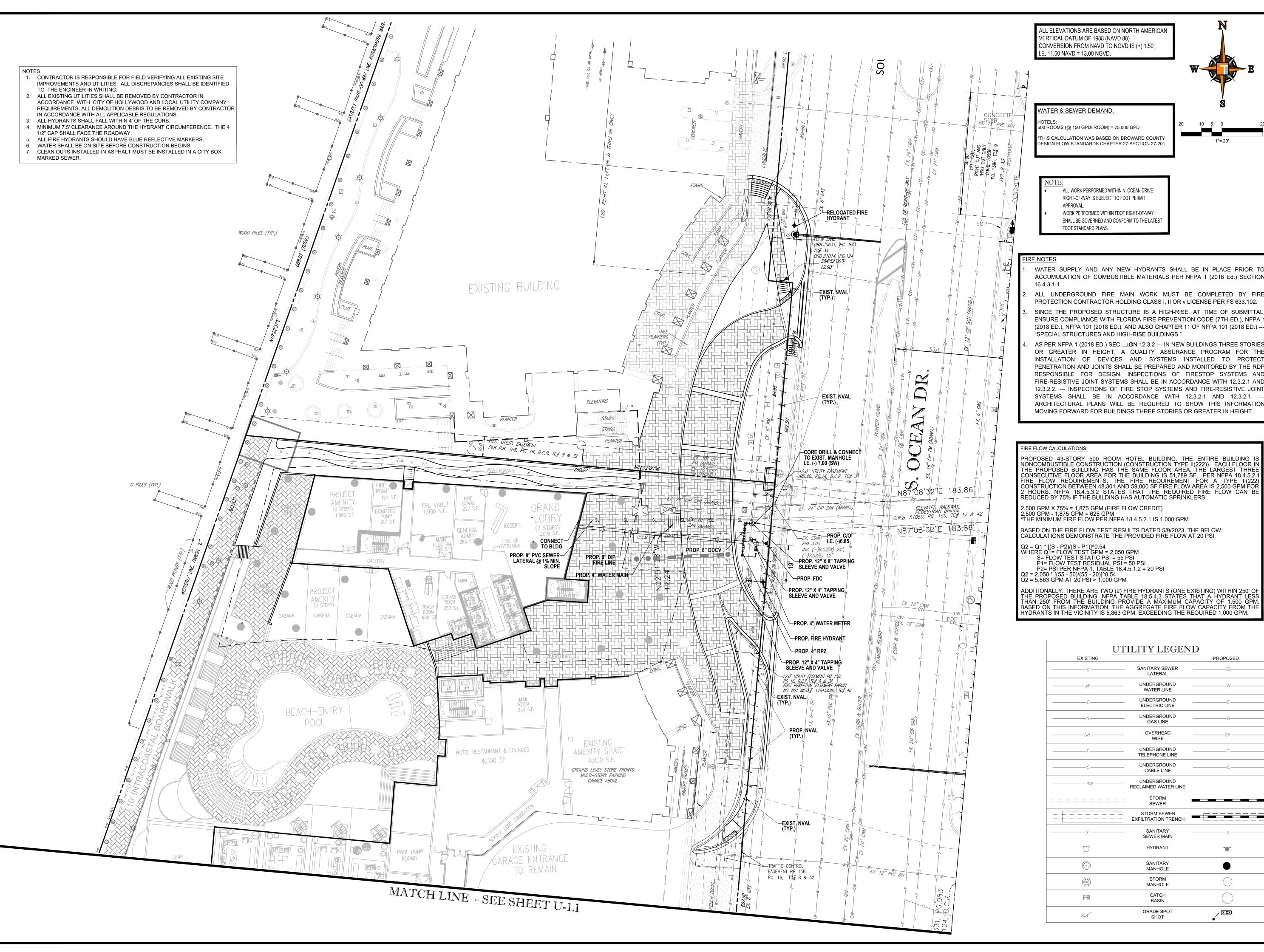




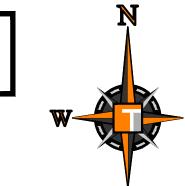








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WATER & SEWER DEMAND:

500 ROOMS (@ 150 GPD/ ROOM) = 75,000 GPD

\*THIS CALCULATION WAS BASED ON BROWARD COUNTY DESIGN FLOW STANDARDS CHAPTER 27 SECTION 27-201

> ALL WORK PERFORMED WITHIN N. OCEAN DRIVE RIGHT-OF-WAY IS SUBJECT TO FDOT PERMIT WORK PERFORMED WITHIN FDOT RIGHT-OF-WAY SHALL BE GOVERNED AND CONFORM TO THE LATEST

WATER SUPPLY AND ANY NEW HYDRANTS SHALL BE IN PLACE PRIOR TO ACCUMULATION OF COMBUSTIBLE MATERIALS PER NFPA 1 (2018 Ed.) SECTION

PROTECTION CONTRACTOR HOLDING CLASS I, II OR v LICENSE PER FS 633.102. SINCE THE PROPOSED STRUCTURE IS A HIGH-RISE, AT TIME OF SUBMITTAL ENSURE COMPLIANCE WITH FLORIDA FIRE PREVENTION CODE (7TH ED.), NFPA 1 (2018 ED.), NFPA 101 (2018 ED.), AND ALSO CHAPTER 11 OF NFPA 101 (2018 ED.) ---"SPECIAL STRUCTURES AND HIGH-RISE BUILDINGS."

AS PER NFPA 1 (2018 ED.) SEC TON 12.3.2 --- IN NEW BUILDINGS THREE STORIES OR GREATER IN HEIGHT, A QUALITY ASSURANCE PROGRAM FOR THE INSTALLATION OF DEVICES AND SYSTEMS INSTALLED TO PROTECT PENETRATION AND JOINTS SHALL BE PREPARED AND MONITORED BY THE RDP RESPONSIBLE FOR DESIGN. INSPECTIONS OF FIRESTOP SYSTEMS AND FIRE-RESISTIVE JOINT SYSTEMS SHALL BE IN ACCORDANCE WITH 12.3.2.1 AND 12.3.2.2. --- INSPECTIONS OF FIRE STOP SYSTEMS AND FIRE-RESISTIVE JOINT SYSTEMS SHALL BE IN ACCORDANCE WITH 12.3.2.1 AND 12.3.2.1. --ARCHITECTURAL PLANS WILL BE REQUIRED TO SHOW THIS INFORMATION MOVING FORWARD FOR BUILDINGS THREE STORIES OR GREATER IN HEIGHT.

PROPOSED 43-STORY 500 ROOM HOTEL BUILDING. THE ENTIRE BUILDING IS NONCOMBUSTIBLE CONSTRUCTION (CONSTRUCTION TYPE II(222)). EACH FLOOR IN THE PROPOSED BUILDING HAS THE SAME FLOOR AREA, THE LARGEST THREE CONSECUTIVE FLOOR AREA FOR THE BUILDING IS 51,789 SF. PER NFPA 18.4.5.2.1 FIRE FLOW REQUIREMENTS, THE FIRE REQUIREMENT FOR A TYPE II(222) CONSTRUCTION BETWEEN 48,301 AND 59,000 SF FIRE FLOW AREA IS 2,500 GPM FOR 2 HOURS. NFPA 18.4.5.3.2 STATES THAT THE REQUIRED FIRE FLOW CAN BE REDUCED BY 75% IF THE BUILDING HAS AUTOMATIC SPRINKLERS.

2,500 GPM X 75% = 1,875 GPM (FIRE FLOW CREDIT) 2,500 GPM - 1,875 GPM = 625 GPM

THE MINIMUM FIRE FLOW PER NFPA 18.4.5.2.1 IS 1,000 GPM

BASED ON THE FIRE FLOW TEST RESULTS DATED 5/9/2023, THE BELOW CALCULATIONS DEMONSTRATE THE PROVIDED FIRE FLOW AT 20 PSI.

Q2 = Q1 \* [(S - P2)/(S - P1)]^0.54 WHERE Q1= FLOW TEST GPM = 2,050 GPM S= FLOW TEST STATIC PSI = 55 PSI P1= FLOW TEST RESIDUAL PSI = 50 PSI

P2= PSI PER NFPA 1, TABLE 18.4.5.1.2 = 20 PSI Q2 = 2,050 \* [(55 - 50)/(55 - 20)]^0.54 Q2 = 5,863 GPM AT 20 PSI > 1,000 GPM

ADDITIONALLY, THERE ARE TWO (2) FIRE HYDRANTS (ONE EXISTING) WITHIN 250' OF THE PROPOSED BUILDING. NFPA TABLE 18.5.4.3 STATES THAT A HYDRANT LESS THAN 250' FROM THE BUILDING PROVIDE A MAXIMUM CAPACITY OF 1,500 GPM BASED ON THIS INFORMATION, THE AGGREGATE FIRE FLOW CAPACITY FROM THE HYDRANTS IN THE VICINITY IS 5,863 GPM, EXCEEDING THE REQUIRED 1,000 GPM.

UTILITY LEGEND

**EXISTING** PROPOSED SANITARY SEWER LATERAL UNDERGROUND WATER LINE UNDERGROUND ELECTRIC LINE UNDERGROUND GAS LINE OVERHEAD WIRE UNDERGROUND TELEPHONE LINE UNDERGROUND CABLE LINE UNDERGROUND RECLAIMED WATER LINE SEWER STORM SEWER EXFILTRATION TRENCH SANITARY SEWER MAIN HYDRANT T SANITARY MANHOLE STORM

MANHOLE

CATCH

BASIN

GRADE SPOT

SHOT

/ (X.XX)

REVISIONS

COMMENT:

Sunshine 🔠

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig

DRAWN BY: CHECKED BY: 08/21/2023 F220134-PRE-WSU

**DIPLOMAT LANDINGS 3210-3450 OCEAN BLVD HOLLYWOOD, FL 33019** 

**DIPLOMAT LANDINGS** PHASE 1 OWNER, LLC



6300 NW 31ST AVENUE FORT LAUDERDALE, FL 33309 PH: (954) 202-7000 FX: (954) 202-7070 www. Thomas Engineering Group.com

MICHAEL A. TROXELL

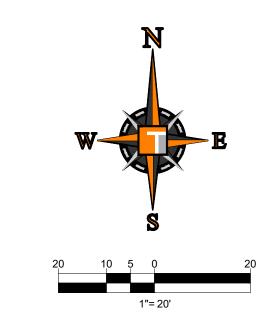
PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

October 31, 2023 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

PRELIMINARY UTILITY **PLAN** 

SHEET NUMBER:

**U-1.0** 





08/21/2023 F220134-PRE-WSU **DIPLOMAT LANDINGS** 

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October 31, 2023 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

PRELIMINARY UTILITY **PLAN** 

SHEET NUMBER:

MATCH LINE - SEE SHEET U-1.0 EXISTING AMENITY SPACE 3,800 S.F. FFE 6.50 NAVD FFE 6.50 NAVD \_EX. 4" HDPE TO STL. CWS/ CONNECTION EX. 4" HDPE TO STL. CWS/

CWR. CONNECTION (7.71) CWR. CONNECTION (7.77) PARKING GARAGE —EXIST, NVAL AIR RELEASE MANHOLE -cM-+cM RIM EL.=2.77' RECORD DRAWING NOTES: **GENERAL WATER NOTES:** AIR RELEASE MANHOLE (FILLED WITH WATER) 1. RECORD DRAWINGS SHALL BE PREPARED IN THE STATE PLAN 1. ALL WATER MAIN DUCTILE IRON PIPE AND PIPE FITTINGS SHALL RIM EL. =2.81 COORDINATE SYSTEM. BE PAINTED WITH A 4" WIDE CONTINUOUS BLUE LINE THAT RUNS 2. ALL UTILITY FEATURES SHALL BE SHOWN IN THEIR AS-BUILT PARALLEL TO THE AXIS OF THE PIPE AND IS LOCATED ALONG THE LOCATION. TOP OF THE PIPE. 3. STATE PLANE COORDINATES SHALL BE DISPLAYED ON RECORD 2. ALL WATER MAINS SHALL BE MARKED WITH ONE CONTINUOUS 6" CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE DRAWINGS FOR ALL WIDE MAGNETIC BLUE CODED TAPE IMPRINTED WITH TWO (2) INCH IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED FEATURES SPECIFIED IN PBCWUD STANDARDS. HIGH LETTERING READING "CAUTION - POTABLE WATER LINE TO THE ENGINEER IN WRITING. 4. STATE PLANE COORDINATES SHALL BE SHOWN ON PROPERTY BURIED BELOW" AND LOCATED APPROXIMATELY TWELVE (12) ALL EXISTING UTILITIES SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH CITY OF HOLLYWOOD AND LOCAL UTILITY COMPANY CORNERS AS REQUIRED INCHES ABOVE THE CROWN OF THE PIPE. THE WORDING SHALL REQUIREMENTS. ALL DEMOLITION DEBRIS TO BE REMOVED BY CONTRACTOR BY PBCWUD. OCCUR EVERY THREE (3) FEET. IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. 3. ALL WATER SERVICE FITTINGS ARE REQUIRED TO BE LEAD ALL HYDRANTS SHALL FALL WITHIN 4' OF THE CURB.

4. MINIMUM 7.5' CLEARANCE AROUND THE HYDRANT CIRCUMFERENCE. THE 4

1/2" CAP SHALL FACE THE ROADWAY.

5. ALL FIRE HYDRANTS SHOULD HAVE BLUE REFLECTIVE MARKERS.

WATER SHALL BE ON SITE BEFORE CONSTRUCTION BEGINS.

CLEAN OUTS INSTALLED IN ASPHALT MUST BE INSTALLED IN A CITY BOX MARKED SEWER.

> ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). CONVERSION FROM NAVD TO NGVD IS (+) 1.50', I.E. 11.50 NAVD = 13.00 NGVD.

ALL WORK PERFORMED WITHIN N. OCEAN DRIVE RIGHT-OF-WAY IS SUBJECT TO FDOT PERMIT

WORK PERFORMED WITHIN FDOT RIGHT-OF-WAY SHALL BE GOVERNED AND CONFORM TO THE LATEST FDOT STANDARD PLANS.

## HYDRANT & HYDRANT SECURITY EQUIPMENT NOTES:

1. FIRE HYDRANT SHALL BE EQUIPPED WITH A SET OF AFC " CAPTIVATER" SECURITY CAPS. THE CAPS SHALL BE CHAINED TO OPERATED BY PBCWUD PERSONNEL ONLY. THE HYDRANT BODY AND INSTALLED PRIOR TO ISSUANCE OF "CONSTRUCTION WATER RELEASE' CERTIFICATION. A SCHEDULED **GENERAL SEWER NOTES**: INSPECTION BY PBCWUD IS REQUIRED TO VERIFY THE

INSTALLATION AND OPERATION OF THE CAPS. 2. PLEASE NOTE THAT THE SECURITY CAPS CAN ONLY BE REMOVED USING SPECIAL WRENCHES. THE CONTRACTOR SHALL CLEANOUTS WITHIN PAVEMENT AREAS. CONTACT THE PBCWUD INSPECTOR FOR ASSISTANCE IF ACCESS TO THE HYDRANT IS REQUIRED FOR FLUSHING OR TESTING PURPOSES.

3. ALL NEW FIRE HYDRANTS ARE TO BE INSTALLED SO THE PUMPER NOZZLE IS 5.0' MIN. WITH RAISED CURB OR 6.0' MIN. WITHOUT CURB AND 12.0' MAX. FROM THE EDGE OF PAVEMENT. FREE. 4. ALL EXISTING PBCWUD FACILITIES (I.E. VALVES) TO BE

1. ON-SITE SEWER LATERALS ARE PRIVATELY OWNED AND MAINTAINED.

2. SEWER CLEANOUT MINI-MANHOLES ARE REQUIRED ON ALL

GENERAL LANDSCAPE NOTE:

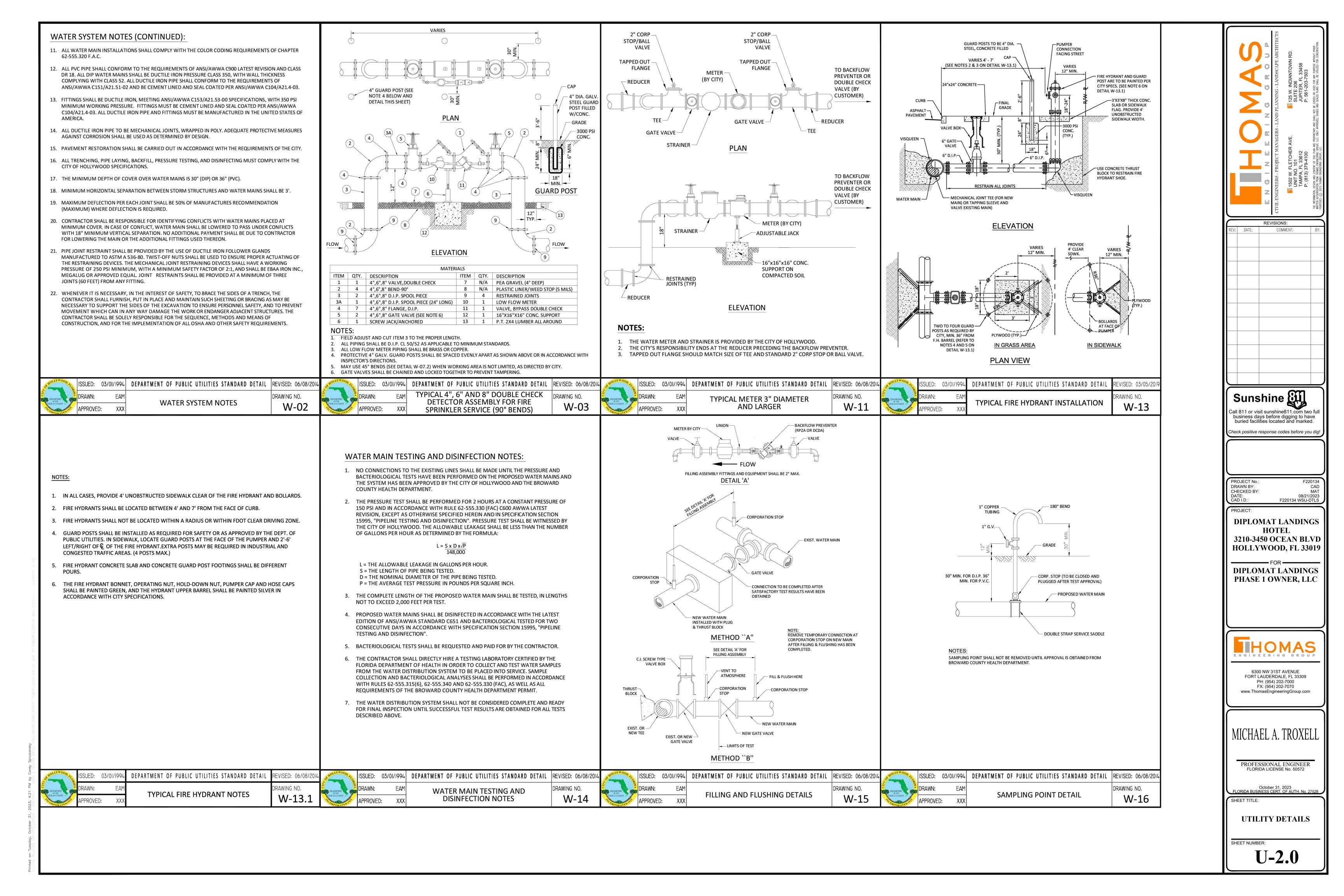
IF ANY NEW LANDSCAPE MATERIALS ARE INSTALLED AS PART OF THIS PROJECT THEN SOD ONLY WITH NO SHRUBS AND/OR TREES TO BE INSTALLED WITHIN 5' OF ANY WATER METER AND WITHIN 7.5' OF ANY FIRE HYDRANT. TREES CANNOT BE INSTALLED WITHIN 10' OF A WUD WATER MAIN WITHOUT PRIOR PBCWUD APPROVAL AND THE INSTALLATION OF A ROOT BARRIER. ALSO IF ANY EXISTING TREES ARE LESS THAN 10' MINIMUM OF ANY NEW WATER AND/OR SEWER MAIN A ROOT BARRIER IS REQUIRED TO BE INSTALLED OR TREE RELOCATED/REMOVED.

| EXISTING     |                                     | PROPOSED |
|--------------|-------------------------------------|----------|
| -SL          | SANITARY SEWER LATERAL              | SL       |
| W            | UNDERGROUND WATER LINE              | W-       |
| E            | UNDERGROUND<br>ELECTRIC LINE        | Е        |
|              | UNDERGROUND<br>GAS LINE             | G-       |
| ОН           | OVERHEAD WIRE                       | ——ОН —   |
|              | UNDERGROUND TELEPHONE LINE          | ТТ       |
|              | UNDERGROUND<br>CABLE LINE           | C_       |
| -RW-         | UNDERGROUND<br>RECLAIMED WATER LINE |          |
| ======       | — – STORM<br>— SEWER                |          |
|              | STORM SEWER EXFILTRATION TRENCH     |          |
|              | SANITARY<br>SEWER MAIN              | S        |
| $\heartsuit$ | HYDRANT                             | *        |
| (8)          | SANITARY<br>MANHOLE                 | •        |
| (STORE)      | STORM<br>MANHOLE                    | 0        |
|              | CATCH                               |          |

GRADE SPOT

X.X'

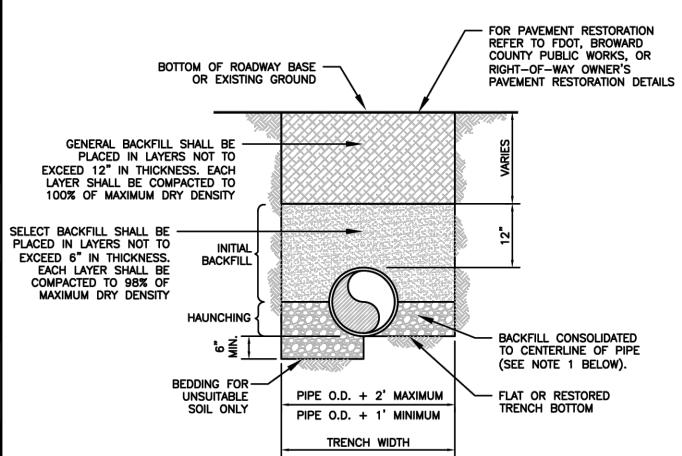
/ (X.XX)



# WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314

| OTHER PIPE   | HORIZONTAL<br>SEPARATION    | CROSSING<br>(1), (4)  | JOINT SPACING<br>@ CROSSING<br>(FULL JOINT CENTERED)<br>(8) |
|--|-----------------------------|---|---|
| STORM SEWER,<br>STORM WATER FORCE MAIN,<br>RECLAIMED WATER (2)               | 3 ft minimum                | WATER MAIN 12 inches is the minimum except for storm sewer, then 6 inches is the minimum and 12 inched is preferred   | Alternate 3 ft minimum                                      |
| GRAVITY SANITARY SEWER, (3)<br>SANITARY SEWER FORCE MAIN,<br>RECLAIMED WATER | 10 ft prefered 6 ft minimum | WATER MAIN 12 inches is the minimum except for gravity sewer, then 6 inches is the minimum and 12 inched is preferred | Alternate 6 ft minimum  WATER MAIN                          |
| ON-SITE SEWAGE TREATMENT<br>& DISPOSAL SYSTEM                                | 10 ft minimum               |   |   |

- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE
- TOP OF THE GRAVITY SANITARY SEWER. I. 18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY OF HOLLYWOOD, UNLESS OTHERWISE APPROVED.
- A MINIMUM 6 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN A PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
- 8. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALY RESTRAINED.



- 1. WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRAINFIELD LIMEROCK). CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS
- 2. ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION
- SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES". 3. DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017. 4. BACKFILL TO COMPLY WITH FDOT DESIGN STANDARDS 125-8.

### - FOR PAVEMENT RESTORATION REFER TO FDOT, BROWARD COUNTY PUBLIC WORKS, OR CITY OF HOLLYWOOD PAVEMENT BOTTOM OF ROADWAY BASE RESTORATION DETAILS OR EXISTING GROUND GENERAL BACKFILL SHALL BI PLACED IN LAYERS NOT TO EXCEED 12" IN THICKNESS. EACH LAYER SHALL BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY SELECT BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 6" IN THICKNESS. BACKFILL EACH LAYER SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY HAUNCHING BEDDING MATERIAL PLACED UP TO SPRINGLINE OF PIPE (SEE NOTE 1 BELOW). PIPE O.D. + 2' MAXIMUM - FLAT OR RESTORED PIPE O.D. + 1' MINIMUM TRENCH WIDTH

- WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRAINFIELD LIMEROCK). CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER
- DELETERIOUS MATERIALS. 2. ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO
- SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES".

  3. DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM
- 4. BACKFILL TO COMPLY WITH FDOT DESIGN STANDARD 125-8.

## **FLEXIBLE PAVEMENT RESTORATION NOTES:**

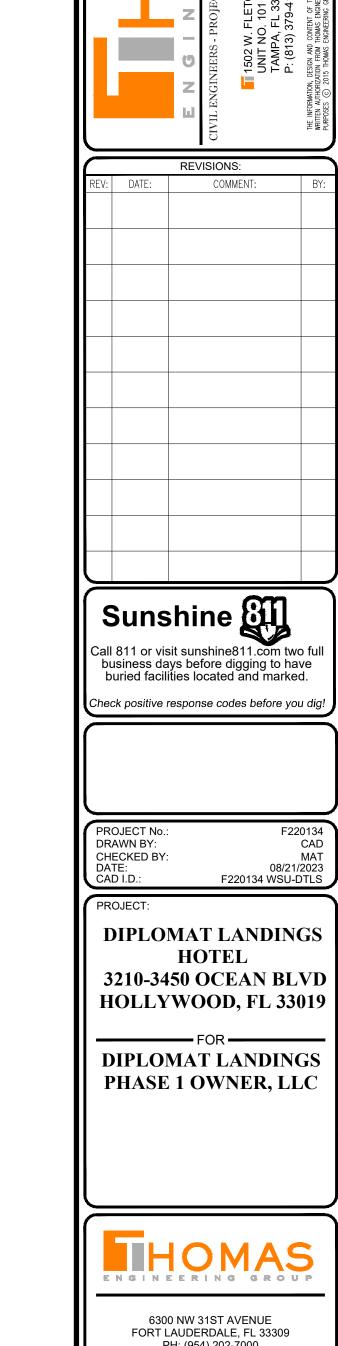
- 1. THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY. FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES.
- LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%. REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK".
- LIMEROCK BASE MATERIAL SHALL BE PLACED IN 12" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 100% OF

MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.

- 4. STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
- 5. BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
- 6. ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
- RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS.
- 8. MILL AND BUTT JOINT TO EXISTING PAVEMENT.
- 9. IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
- 10. REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES.
- 11. WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK. REGARDLESS OF THE EXTENT OF IMPACT, THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER.

| DIAMOND PLE   | ISSUED: 03/   | /01/1994<br>EAM   | DEPARTMENT OF PUBLIC UTILITIES STANDARD DETA  SEPARATION REQUIREMENTS  | DRAWING NO.   | ISSUED: 03/01/1994 DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL REVISED: 06/08/20  DRAWN: EAM PIPE LAYING CONDITION TYPICAL DRAWING NO.  |
|---|---|---|--|---|--|
| GOLD COAST  | APPROVED:   | XXX   | OF<br>F.D.E.P.   | G-01.1  | THE EXTINCT CONTENTS OF THE CO |
| SAW CUNEAT AND EDGE. ALL SUR  EXIST. ASI SU  12" THICK BASE COMPA THAN 100%  12" TY SUBGRAD COMPA MAX. DE | T ALONG A O STRAIGHT TACK COAT FACES AND EDGES. PHALT RFACE  (MIN.) LIMERO W/MIN. LBR CTED TO NO L OF MAX. DENS PER ASHTO T- PE "B" STABILI E W/MIN. LBR CTED TO 100% NSITY PER ASH T- COMPACTED REFER TO DETA G-02 AND G | OCK 100<br>ESS<br>SITY<br>180<br>ZED 2<br>R 40<br>G OF<br>HTO<br>180<br>FILL AILS | TACK CC ALL EDG  1'-6"  1'-6"  IF THE THE EXISTII BASE IS EXTEN BASE IS EXTEN BASE FOR EXAMPLE AND THE PROPERTY OF THE PROPERT | EXIST. ASPHALT SURFACE  UNDISTURBE EXISTING BAS  DISTANCE TO OGE OF THE NG LIMEROCK S 2' OR LESS, D THE LIMEROCK RECONSTRUCTION E EDGE. | SLOPE AT 1/8" PER FT. 6" WYE (POINT OF SERVICE)  6" SERVICE PIPE  ELEVATION  SINGLE SERVICE CONNECTION   |
| DIAMOND GOLD COAST  | DRAWN: APPROVED:  | EAM<br>XXX  | FLEXIBLE PAVEMENT RESTORATION<br>FOR TRENCHES CUT PERPENDICULAR<br>AND PARALLEL TO THE ROADWAY   | DRAWING NO.  G-12.1   | DRAWN: EAM SEWER SERVICE CONNECTION AND DRAWING NO.  |

| TOB    | ISSUED:            | 03/01/1994 | DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL | REVISED: 06/08/2014     | OF HOLLYWOOD AND                | ISSUED: | 03/01/1994 | DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL | REVISED: 11/06/2017     |
|--------|--------------------|------------|--|-------------------------|---------------------------------|---------|------------|--|-------------------------|
| NO AGE | DRAWN:<br>APPROVED | EAM<br>XXX | PIPE LAYING CONDITION TYPICAL SECTION (P.V.C.) | DRAWING NO. <b>G-03</b> | DIAMOND<br>OF THE<br>GOLD COAST | DRAWN:  | EAM<br>XXX | FLEXIBLE PAVEMENT RESTORATION NOTES            | DRAWING NO. <b>G-12</b> |
| ٥      | AITROVED           | , ,,,,,    |  |                         | ORPORATED                       | AITIOTE | , ,,,,,    |  |                         |



COMMENT:

08/21/2023 F220134 WSU-DTLS

PROFESSIONAL ENGINEER FLORIDA LICENSE No. 50572

**UTILTY DETAILS** 

FX: (954) 202-7070 www.ThomasEngineeringGroup.com

MICHAEL A. TROXELL

SHEET NUMBER: