#### **RESOLUTION No. 22-153**

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE SITE PLAN FOR FOUNDRY – TRANSAL FOR THE PROPERTY LOCATED AT 8315 NW 27 STREET, PURSUANT TO SECTION 53-184(F) OF THE CITY'S LAND DEVELOPMENT CODE; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, Foundry Commercial Acquisitions, LLC (the "Applicant") has submitted an application for Mayor and Council site plan review and approval for the property located at 8315 NW 27 Street, Doral, Florida, further identified by folio numbers 35-3027-046-0030 and 35-3027-046-0040, as legally described in "Exhibit A"; and

**WHEREAS,** a zoning workshop was held on May 4, 2022, at which meeting the public was afforded an opportunity to examine the project and provide feedback; and

WHEREAS, the City of Doral staff finds that the proposed site plan complies with the requirements and standards of the City's Land Development Code; and

WHEREAS, after notice of public hearing duly published and notifications of all property owners of record within 500-foot radius, a public hearing was held before the Mayor and City Council of the City of Doral on August 24, 2022, at which hearing all interested persons were afforded the opportunity to be heard; and

**WHEREAS**, the Mayor and City Council of the City of Doral find the adoption of this Resolution is in the best interest of the health, safety and welfare of the residents of the City of Doral.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

<u>Section 1.</u> Recitals. The foregoing recitals are confirmed, adopted, and incorporated herein and made as part hereof by this reference.

Section 2. Approval. The Mayor and City Council hereby approve the site plan for Foundry-Transal for the property located at 8315 NW 27 Street, Doral, Florida, further identified by folio numbers 35-3027-046-0030 and 35-3027-046-0040, as legally described in "Exhibit A." The site plan consists of a 117,790 square-foot warehouse building, including 7,500 square feet of office space. A copy of the site plan is provided in "Exhibit B." The approval of the site plan is subject to the following conditions. Violation of these conditions may result in a code compliance citation or the revocation of this Resolution.

- 1. The proposed project shall be built in substantial compliance with the plans entitled "Transal Site Foundry," prepared by RLC Architects, P.A., dated stamped received May 24, 2022, and amended sheets C-300 & A1.00 dated stamped received August 11, 2022.
- 2. The project shall be landscaped in accordance with the landscape plan, prepared by Witkin Hults + Partners, dated stamped received May 24, 2022 as amended, and included with the site plan submittal.
- 3. That the Applicant comply with Ordinance No. 2015-09 "Public Arts Program," as amended, at the time of building permit. No final approval, such as a final inspection or a certificate of occupancy, for the project shall be issued unless one or more of the following has been achieved:
  - I. The approved art has been installed in a manner that is [in] compliance with the requirements set forth in this ordinance and the public arts program guidelines; or
  - II. All in-lieu art fees have been paid; or
  - III. Financial security (including but not limited to a performance bond, letter of credit, or similar instrument) in an amount equal to the acquisition and installation costs of an approved art selection, has been provided to the City in a form approved by the City Attorney and the City Manager, or his/her designee and placed into escrow account: or
  - IV. Donation of art which have been approved by the board are delivered by the applicant to the City, and are accepted by the City in accordance with this ordinance.

For purposes of the art program, "artwork" does not include the following:

- a. Directional elements, such as signage or graphics.
- b. Objects that are mass produced in standard designs.

- c. Landscape gardening, unless substantially comprising durable elements defined as "Art Work" under Sec. 75-101.
- 4. That the Applicant comply with Chapter 63, "Green Building Incentives," of the City's Land Development Code at the time of building permit.
- 5. That the Applicant comply with the City's Floodplain Management regulations (Chapter 23, Article II, Floodplain Management) of the Land Development Code.
- 6. That the Applicant provide the City a certified drainage inspection report prior to the issuance of a certificate of occupancy.
- 7. That the property owner maintain the public rights-of-way adjacent to the property. Maintenance includes trees, plants, sod, and sidewalks within the rights-of-way.
- 8. A Stormwater Pollution Prevention Plan (SWPPP) must be submitted by the Applicant at time of building permit. The Plan should provide guidelines for implementing an erosion and sedimentation control program before the site is cleared or graded, including areas where topsoil will be removed and contours of slopes will be cleared. The Plan shall also include location and type of erosion control measures, storm water and sediment management systems, and a vegetative plan for temporary and permanent stabilization. The Plan shall remain on-site for the duration of the construction activity.
- 9. If more than one (1) acre of land is disturbed during construction the Contractor/Developer is responsible to obtain NPDES Stormwater permit coverage through the Florida Department of Environmental Protection (FDEP), Construction Generic Permit (CGP). If the project is less than one (1) acre, but part of a larger common plan of development or sale that will ultimately disturb one or more acres, permit coverage is also required.

Instruction to request and obtain a CGP can be found at: http://www.dep.state.fl.us/water/stormwater/npdes/docs/cgp.pdf.
Contractor/Developer should submit the Notice of Intent (NOI) with the appropriate processing fees to the NPDES Stormwater Notices Center.
Contractor/Developer must apply for permit coverage at least two (2) days before construction begins.

- 10. Construction shall be permitted only during the hours set forth in Ordinance No. 2011-01 "Noise Ordinance."
- 11. That the Applicant comply with all applicable conditions and requirements of the Miami-Dade County Department of Regulatory and Economic Resources.

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- 12. That the Applicant comply with all applicable conditions and requirements of the Miami-Dade County Fire Rescue Department.
- 13. All applicable local, state and federal permits must be obtained before commencement of the development.
- 14. Issuance of this development permit by the City of Doral does not in any way create any right on the part of an Applicant to obtain a permit from a state or federal agency and does not create any liability on the part of the City of Doral for issuance of the permit if the applicant fails to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.

<u>Section 3.</u> <u>Effective Date.</u> This Resolution shall become effective immediately upon its adoption.

The foregoing Resolution was offered by Councilmember Cabrera who moved its adoption. The motion was seconded by Councilmember Puig-Corve and upon being put to a vote, the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Digna Cabral	Yes
Councilman Pete Cabrera	Yes
Councilwoman Claudia Mariaca	Yes
Councilman Oscar Puig-Corve	Yes

PASSED AND ADOPTED this 24 day of August, 2022.

JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:

CONNIE DIAZ, MMC

CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:

LUIS FIGUEREDO, ESQ.

CITY ATTORNEY

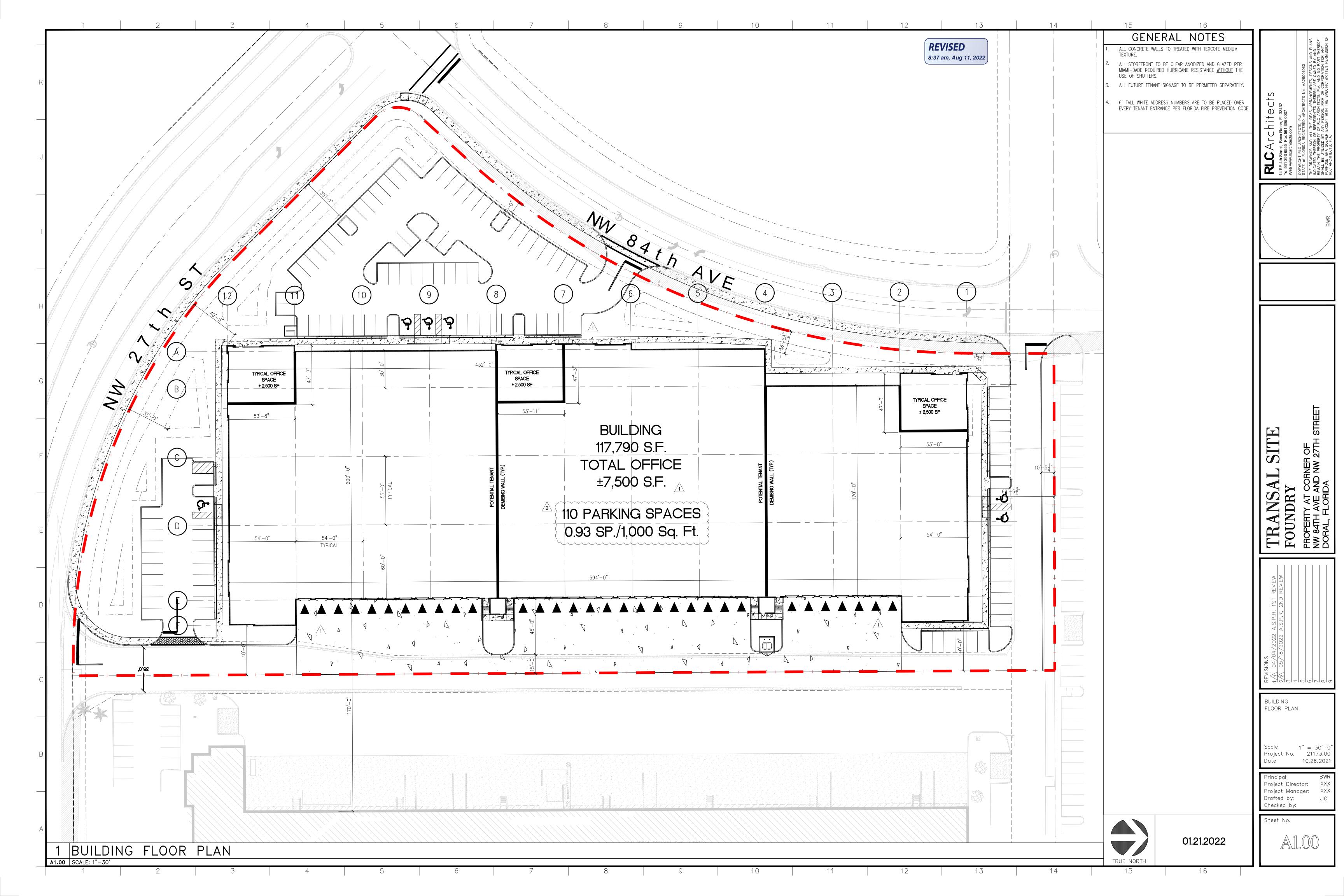
# **EXHIBIT "A"**

#### EXHIBIT A

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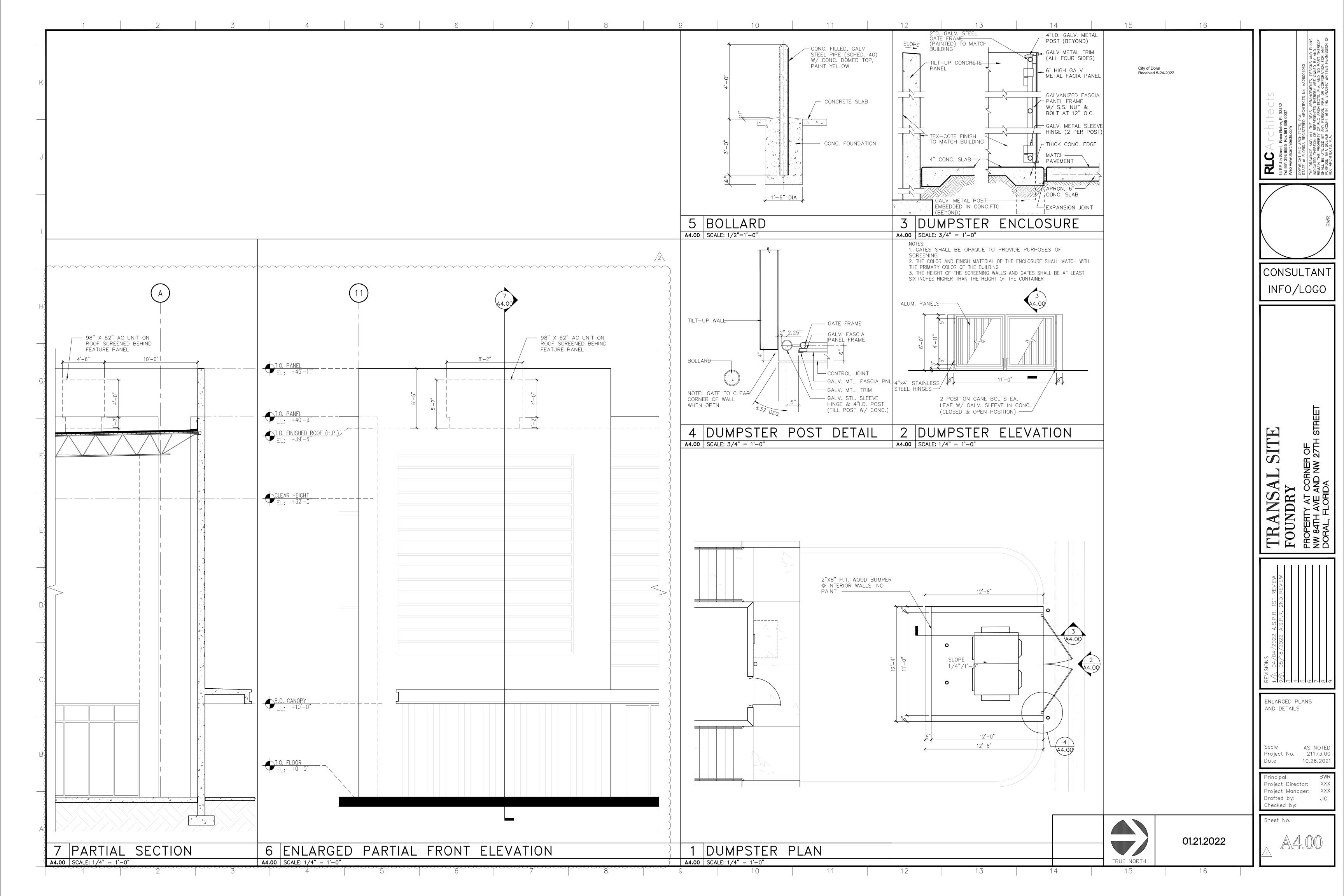
Tract C and Tract D, "Transal Corporate Park", according to the map or plat thereof, as recorded in Plat Book 147, Page 68, of the Public Records of Miami-Dade County, Florida.

# EXHIBIT "B"









# FOUNDRY TRANSAL

DRC SET

8315 NW 27th STREET

**DORAL FL, 33122** 

FOLIO No: 35-3027-046-0030, 35-3027-046-0040 **SECTION 27, TOWNSHIP 53S, RANGE 40E** 

## **CIVIL SHEETS BY LANGAN**

SHEET NO.	DESCRIPTION
C-100	COVER SHEET
C-200	GENERAL NOTES
C-300	SITE PLAN
C-700	PAVEMENT PLAN
C-900	GARBAGE TRUCK MOVEMENTS
C-901	WB-62 FL MOVEMENT PLAN
C-902	FIRE TRUCK PLAN
C-1001	SITE DETAILS
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# ARCHTITECTURAL SHEETS BY RLC ARCHITECTS

SHEET NO.	DESCRIPTION
A1.00	BUILDING FLOOR PLAN
A3.00	BUILDING ELEVATIONS
A3.20	BUILDING RENDERINGS
ESP1	PHOTOMETRIC SITE PLAN

## LANDSCAPE SHEETS BY WITKIN HULTS + PARTNER

SHEET NO.	DESCRITT
L-1	INDEX
L-2	LANDSCAPE PLAN
L-3	LANDSCAPE PLAN
L-4	LANDSCAPE DETAILS
TD-1	TREE DISPOSITION PLAN
TD-2	TREE DISPOSITION PLAN

#### PROJECT DESCRIPTION:

PROPOSED DEVELOPMENT OF A WAREHOUSE BUILDING (TOTAL BUILDING AREA: 116,100 SF.) WITH ASSOCIATED VEHICULAR PARKING AND LOADING

#### **NOTE:**

ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D. 29).



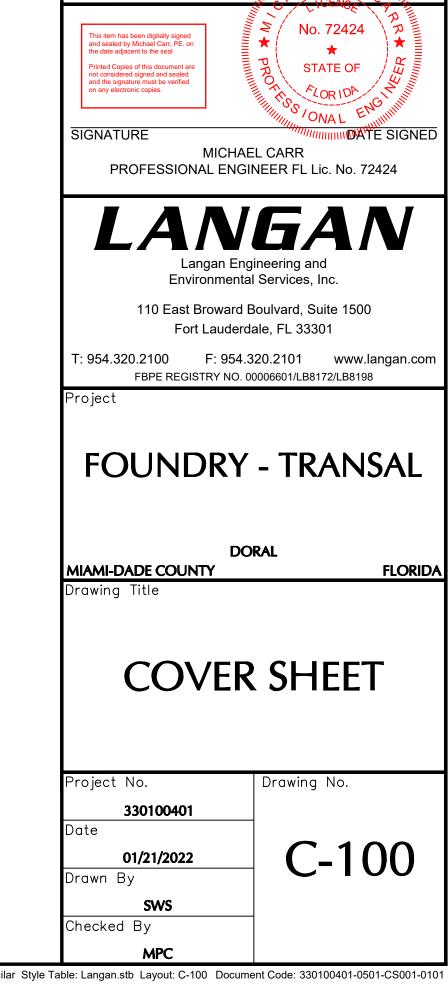
#### **LEGAL DESCRIPTION:**

TRACT C AND TRACT D, "TRANSAL CORPORATE PARK", ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 147, PAGE 68, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.



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!



Description

RevisionsEL

Date

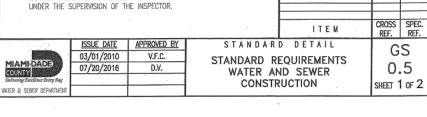
## M-DWASD WATER & SEWER NOTES

- ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THIS MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS.
- 3. ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANTS AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES. 4. ALL FORCE MAIN SERVICE CONNECTIONS INTO PRESSURE TRANSMISSION MAINS SHALL HAVE A SHUT OFF VALVE AND
- 5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS. 6. ALL WATER METERS WILL BE INSTALLED BY THE MIAMI-DADE WATER AND SEWER DEPARTMENT, PROVIDING THE
- 7. FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY MIAMI-DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.
- 8 CONTRACTOR MUST CALL MOWASD INSPECTION DIVISION TO ARRANGE FOR A PRECONSTRUCTION MEETING 2 FUL BUSINESS DAYS PRIOR TO PROPOSED START OF CONSTRUCTION, CONTACT ONE CALL CENTER 48 HRS PRIOR TO
- 9. CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES APPROVED BY THE DEPARTMENT. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.
- 10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE STEM BY THE DEPARTMENT AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED AND APPROVED BY THE
- CONTRACTOR'S WAIVER AND RELEASE OF LIEN
- ABSOLUTE BILL OF SALE
  i. CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT)

2. COVER OVER WATER OR SEWER FORCE MAINS SHALL BE 4'-0" MIN.

- ii DEVELOPER'S CONTRACT BOND (I.E., CONTRACT AGREEMENT). "RECORD DRAWING" PRINTS (24"x 36") SHOWING SPECIFIC LOCATIONS, DEPTH, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED SURVEYOR & MAPPER, ALONG WITH PRINTS OF "RECORD DRAWINGS" WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED SURVEYOR & MAPPER. (No. OF PRINTS: 3-FOR WATER, 4-FOR GRAVITY SEWER AND 5-FOR FORCE MAIN OR PUMP STATION PROJECTS). Submitted of final CAD Files required.
- H.R.S. LETTER OF RELEASE REQUIRED FOR ALL WATER PROJECTS . BILL OF SALE SKETCH (8½"x 11,") FOR WATER AND SEWER, SEPARATELY
- 11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCES ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MATERIAL WITH FITTINGS, PRIOR TO TAP. 12. AN APPROVED PAVING AND DRAINAGE PLAN MUST BE SUBMITTED TO MDWASD FOR ALL NEW SUBDIVISIONS PRIOR TO APPROVAL OF WATER AND SEWER PERMIT PLANS, UPON REQUEST.
- 3. UNLESS OTHERWISE SPECIFIED, ALL TAPS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MAINS WILL BE

DONE BY DEPARTMENT FORCES, UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE PERMITTED TO TAP EXISTING MAINS IN THE SIZE RANGE SPECIFIED ABOVE. THE TAPPING SLEEVE AND TAPPING VALVE ARE FURNISHED AND INSTALLED BY THE CONTRACTOR



1. AT THE COMPLETION OF ANY WATER AND SEWER JOB EITHER DONATION OR CONTRACT, THE CONTRACTOR SHALL a. RECORD DRAWING PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER (QTY. OF PRINTS AS REQUIRED BY THE DEPARTMENT).

#### "RECORD DRAWING" FORMAT

- c. CADD FILE (DWG OR DXF) ROTATED AND TRANSLATED TO STATE PLANE COORDINATES NAD 83 FLORIDA EAST
- d. THE WORDS "RECORD DRAWING" IN LARGE LETTERS e. TITLE BLOCK WITH DEPARTMENT DS, DW OR ER NUMBER AND PERTINENT INFORMATION PREFERRED SCALE TO BE 1"= 40' HORIZONTALLY AND 1"= 4' VERTICALLY\*
- . STREET NOMENCLATURE . SEPARATE RECORD DRAWINGS FOR WATER AND SEWER SEPARATE WATER AND SEWER PROFILE
- STATIONING STARTING WITH 0+00 AT PERMANENT REFERENCE POINT (I.E. &, \$, ETC.) OR AS SHOWN ON DESIGN PERMIT PLANS. AND TO RUN CONTINUOUSLY TO END OF MAIN k. EASEMENTS, IF ANY, TIED TO PERMANENT REFERENCE POINT
- . IDENTIFY ALL CONTROL LINES (I.E. BLDG. LINE, PROPERTY LINE, R/W, ETC.) m. ALL "PROPOSED" INFORMATION TO BE REMOVED FROM PRINTS, LEAVING ONLY RECORD DRAWING INFORMATION

#### 3. WATER "RECORD DRAWINGS" MUST INCLUDE:

4. SEWER "RECORD DRAWINGS" MUST INCLUDE:

- a. PLANS SHOWING PIPE SIZE. MATERIAL AND OFFSET OF MAIN. DEFLECTIONS (IF ANY). STATION OF SERVICES HYDRANTS, VALVES, FITTINGS, IF ANY, ALL IN STATE PLANE COORDINATES. UTILITY CROSSINGS SHALL BE
- b. PROFILE SHOWING TOP OF GROUND AND TOP OF PIPE ELEVATIONS AT EVERY 100' STATION AND AT ANY
- a. PLAN SHOWING MANHOLE NUMBER, PIPE SIZE AND PIPE MATERIAL OF PIPE, DEFLECTION, SLOPE OF GRAVITY SEWER, LOCATION OF LATERALS WITH REFERENCE TO MANHOLE AND CLEANOLITS.
- b. The northerly and easterly coordinates on all field obtained measurements and provided on
- c. PROFILE SHOWING MANHOLE NUMBER (AS PER PLAN), RIM AND INVERT ELEVATIONS (IF MORE THAN ONE
- INVERT, LABEL NORTH, SOUTH, ETC.), AND STATION STARTING AT 0+00 AT DOWNSTREAM MANHOLE. 5. FORCE MAIN "RECORD DRAWING" SAME AS WATER MAIN.
- 6. EACH RECORD DRAWING SHALL SHOW THE FLORIDA STATE PLANE COORDINATES (CURRENT READJUSTMENT) OF ALL E MANHOLES AND VALVES AND OF AT LEAST TWO HORIZONTAL CONTROL POINTS PROPERLY IDENTIFIED AND LOCATED WITHIN THE PROJECT.

\* OTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEPARTMENT PRIOR TO PREPARATION OF DRAWINGS.

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	<u>ISSUE DATE</u>	APPROVED BY	STANDARI	DETAIL		S
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Delivering Excellence Every Day			REQUIRI	EMENTS	SHFFT 2	
WATER & SEWER DEPARTMENT					SHEET 2	

#### Regulatory and Economic Resources **RER NOTÉS ON WATER-SEWER INSTALLATION**

ASBESTOS@MIAMIDADE.GOV OR 305-372-6925.

- 1. A HORIZONTAL DISTANCE OF AT LEAST 6 FEET, AND PREFERABLY 10 FEET (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER PIPES. THE MINIMUM HORIZONTAL SEPARATION CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS WHERE THE BOTTOM OF THE SEWER PIPE 6 INCHES BELOW THE BOTTOM OF THE WATER PIPE. WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:
- a.THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- C. THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE. 2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES PREFERABLY CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS WHERE THE SEWER PIPE IS BELOW THE WATER MAIN. THE CROSSING SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FORMAL JOINTS IN GRAVITY AND PRESSURE SEWER PIPES. HE DISTANCE CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF:
- .THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI. b.THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.

  3. AIR RELEASE VALVES SHALL BE PROVIDED AT HIGH POINTS OF NEW FORCE MAIN SANITARY SEWERS 4. GRAVITY SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE C-900 PVC OR DUCTILE IRON PIPE. THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED IN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE: a.RESIDENTIAL LAND USES. FIFTY (50) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEXT HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE
- b.NON-RESIDENTIAL LAND USES. TWENTY (20) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE C.ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THE ALLOWED. THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED OUTSIDE A PUBLIC WELLFIELD PROTECTION AREA SHALL BE ONE HUNDRED (100) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE. ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THE ALLOWED
- 6. FORCE MAIN SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE DUCTILE IRON, C-900 PVC, HDPE OR REINFORCED CONCRETE PRESSURE 7. THE MAXIMUM ALLOWABLE EXFILTRATION/LEAKAGE RATE OF FORCE MAIN SANITARY SEWERS SHALL BE: a.DUCTILE IRON, C-900 PVC, HDPE, AND PVC PIPE. THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AMERICAN WATER WORKS ASSOCIATION STANDARD (AWWAS) C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF NOT LESS THAN TWO (2) HOURS.
- b.FOR REINFORCED CONCRETE PRESSURE PIPE. HALF (1/2) THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AWWA C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF C.ANY OBSERVED LEAKS`ÓR ANY OBVIOUS DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THAT ALLOWED.
- 8. THE CONTRACTOR SHALL VERIFY NATURE, DEPTH, AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
  9. IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY 10.IF ANY AREA OF THE WORK SITE IS FOUND TO CONTAIN BURIED SOLID WASTE AND/OR GROUND OR GROUND WATER CONTAMINATION, THE FOLLOWING SHALL APPLY
- g.ALL WORK IN THE AREA SHALL FOLLOW ALL APPLICABLE SAFETY REQUIREMENTS (E.G., OSHA, ETC.) AND NOTIFICATION MUST BE PROVIDED TO THE APPROPRIATE AGENCIES. b.IMMEDIATELY NOTIFY THE ENVIRONMENTAL MONITORING AND RESTORATION DIVISION (EMRD). THE EMRD CAN BE CONTACTED AT (305) 372-6700. C.IF CONTAMINATED SOILS AND/OR BURIED SOLID WASTE MATERIAL IS EXCAVATED DURING CONSTRUCTION, THEN THEY REQUIRE PROPER HANDLING AND DISPOSAL IN ACCORDANCE WITH THE LOCAL, STATE AND FEDERAL REGULATIONS. BE ADVISED THAT THE LANDFILL OWNER/OPERATOR IS THE FINAL AUTHORITY ON DISPOSAL AND MAY HAVE REQUIREMENTS BEYOND THOSE PROVIDED BY HEREIN. IF DISPOSAL WITHIN A MIAMI-DADE COUNTY OWNED LANDFILL (CLASS I LANDFILL) IS APPROPRIATE AND SELECTED, PLEASE CONTACT THE MIAMI-DADE COUNTY DEPARTMENT OF SOLID WASTE MANAGEMENT AT (305) 594-6666 FOR INFORMATION.
- d.THE REUSE OF CONTAMINATED SOILS THAT ARE NOT RETURNED TO THE ORIGINAL EXCAVATION REQUIRES PRIOR APPROVAL OF A SOIL MANAGEMENT PLAN FROM THE ENVIRONMENTAL MONITORING AND RESTORATION DIVISION. THE EMRD CAN BE CONTACTED AT (305) 372-6700. 11 PUMPS MUST COMPLY WITH THE NATIONAL FLECTRICAL CODE (NEC) REQUIREMENTS FOR CLASS L GROUP D. DIVISION 1 LOCATIONS (EXPLOSION PROOF) 12. THE CONTRACTOR IS ADVISED THAT A TREE REMOVAL/RELOCATION PERMIT MAY BE REQUIRED PRIOR TO THE REMOVAL AND/OR RELOCATION OF TREE RESOURCES. PRIOR TO
- REMOVING OR RELOCATING ANY TREES, THE CONTRACTOR SHALL NOTIFY THE TREE AND FOREST RESOURCES SECTION OF DERM AT (305) 372-6574 OR VIA E-MAIL AT: TFRS@MIAMIDADE.GOV, OR CONTACT THE MUNICIPALITY WITH TREE ORDINANCE JURISDICTION TO OBTAIN ANY REQUIRED PERMITS. THOSE TREES NOT INTERFERING WITH THE CONSTRUCTION SHALL BE PROTECTED IN PLACE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 24-49.5 OF THE MIAMI-DADE CODE. 13.PLEASE NOTE THAT THE DEMOLITION, REMOVAL, AND/OR DISTURBANCE OF EXISTING UNDERGROUND UTILITIES THAT CONTAIN ASBESTOS- CEMENT PIPES (ACP) ARE SUBJECT T THE PROVISIONS OF 40 CFR-61 SUBPART M. THEREFÓRE, PURSUANT TO THE PROVISIONS OF 40 CFR-61-145, A NOTICE OF DEMOLITION OR ASBESTOS RENÒVATÍON FORM MUST BE FILED WITH THE AIR QUALITY MANAGEMENT DIVISION (AQMD) OF DERM, AT LEAST TEN (10) WORKING DAYS PRIOR TO STARTING OF ANY WORK. NOTE THAT THE BACKFILLING AND BURIAL OF CRUSHED ACP WOULD CAUSE THESE LOCATIONS TO BE CONSIDERED ACTIVE DISPOSAL SITES AND SUBJECT TO 40 CFR-61.154, AND 40 CFR-61.151 A YEAR AFTER PROJECT COMPLETION. EXISTING STANDARD OPERATING PROCEDURES, AS WELL AS APPLICABLE FEDERAL, STATE AND LOCAL REGULATORY CRITERIA, MUST BE FOLLOWED AND

IMPLEMENTED TO MINIMIZE ANY POTENTIAL RELEASE OF FUGITIVE EMISSIONS, ESPECIALLY DURING PROJECT CONSTRUCTION ACTIVITIES. THE AQMD CAN BE CONTACTED VIA EMAIL AT

#### ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NGVD 1929 UNLESS OTHERWISE NOTED.

- THE FOLLOWING ACTIVITIES ON EXISTING WATER SERVICES AND/OR EXISTING WATER MAINS SUCH AS:

ALL EXISTING MAINS BEING IMPACTED

THIS PROJECT AND ALL PROP WATER

FORCE MAINS AND FITTINGS TO BE

RESTRAINED PER GS 2.0

- INTERCONNECTIONS
- SERVICE INSTALLATIONS/RETIREMENTS/SERVICE TRANSFERS HYDRANT INSTALLATIONS/RETIREMENTS/RELOCATIONS
- . ANY WORK THAT MAY AFFECT THE QUALITY AND/OR QUANTITY OF WASD'S WATER, TRANSMISSION
- SHALL BE PERFORMED BY A LICENSED CONTRACTOR UNDER THE SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE AND JURISDICTION OF THE CONTRACTOR'S RIGHT-OF-WAY PERMIT. PRIOR TO ANY WORK BEING DONE, THE LICENSED CONTRACTOR SHALL COORDINATE WITH WASD DONATION INSPECTOR FOR THE SCHEDULING OF LICENSED OPERATOR TO BE PRESENT FOR PROPOSED ACTIVITY.

#### **WATER DISTRIBUTION SYSTEM:**

- 1. ANY EXISTING PUBLIC WATER SERVICE WITHIN THE PROPERTY IN CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED
- 2. ALL PROP WATER MAINS AND FITTINGS TO BE RESTRAINED PER GS 2.0.

#### **SANITARY SEWER COLLECTION SYSTEM:**

- 1. ANY EXISTING PUBLIC SEWER SERVICE WITHIN THE PROPERTY IN CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED
- 2. ALL PROP FORCE MAINS AND FITTINGS TO BE RESTRAINED PER GS 2.0.
- 3. ALL SEWER LATERALS MUST COMPLY WITH SS1.0 AND GS 1.5
- 4. ALL CONNECTIONS TO VCP, THE CONTRACTOR WILL HAVE TO TELEVISE THE VCP PIPE BEFORE

#### FOR ALL PROJECTS WHERE REMOVAL OF UTILITY LINES IS PROPOSED

- 1. ALL EXISTING UTILITIES BEING REMOVED AND/OR RELOCATED MUST REMAIN ACTIVE AND IN SERVICE, UNTIL SUCH TIME WHEN NEW REPLACING UTILITIES HAVE BEEN INSTALLED, IN SERVICE, ACCEPTED BY THE DEPARTMENT AND ALL RELATED SERVICES FROM THE EXISTING MAINS HAVE BEEN TRANSFERRED TO THE NEW ONES, BY A LICENSED CONTRACTOR UNDER THE SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE AND JURISDICTION OF THE CONTRACTOR'S RIGHT-OF-WAY PERMIT AS APPLICABLE.
- 2. ALL WATER AND/OR SEWER FACILITIES LOCATED IN PRIVATE PROPERTY SHALL BE REMOVED AFTER ALL INSTALLED SERVICES FROM THEM HAVE BEEN TRANSFERRED TO THE ALREADY INSTALLED AND IN SERVICE NEW MAINS. ANY ASSOCIATED EXCLUSIVE EASEMENTS SHALL BE CLOSED AND RELEASED AFTER THE REMOVAL OF THE EXISTING WATER AND/OR SEWER FACILITIES

#### **HEALTH DEPARTMENT NOTES** (NOT PART OF M-DWASD NOTES NOR APPROVAL)

WATER MAIN HORIZONTAL SEPARATIONS

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE BETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER, FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3

BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT AND AT LEAST 3 FT

GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT AND AT LEAST 6 FT. MAY BE REDUCED TO 3 FT WHERE BOTTOM OF WATER MAINS IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.

10 FT TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM. WATER MAIN VERTICAL SEPARATIONS

SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER. VACUUM TYPE SEWER. OR STORM SEWERS TO BE PREFERABLY 12 INCHES, OR AT LEAST 6 INCHES IF ABOVE OR AT LEAST 12

WATER, AT LEAST 12 INCHES ABOVE OR BELOW. \*NOTE: CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS. AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS,

PRESSURE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR RECLAIMED

#### **GENERAL SITE NOTES:**

WASTEWATER FORCE MAINS OR RECLAIMED WATER.

- 1. THESE PLANS REPRESENT THE OVERALL SITE WORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION: AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
- 2.THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S
- 3.THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INTERPRETATION (RFIS) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED
- 4.INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.
- 5.ALL PAVEMENT RESTORATION SHALL BE PER R-21.1.

## GENERAL NOTES AND SPECIFICATIONS

#### (NOT PART OF M-DWASD NOTES NOR APPROVAL)

- THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THI CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.
- 6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DRAINAGE AND UTILITY STRUCTURES AND MANUFACTURED PRODUCTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION.
- 7. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC MEASURES (INCLUDING DESIGN AND PERMITTING) AS REQUIRED BY THE LOCAL, COUNTY, OR STATE AGENCY HÁVING JURISDICTION.
- 8. THE CONTRACTOR IS REQUIRED TO KEEP DETAILED RECORDS OF THE CONSTRUCTION COMPLETED. SPECIFICALLY, UNDERGROUND STRUCTURES, DRAINAGE, WATER, SANITARY, GAS, ELECTRIC, COMMUNICATIONS PIPING, CONDUIT APPURTENANCES AND ACCESSORIES AND ALL ABOVE GROUND FEATURES INCLUDING. BUT NOT LIMITED TO. FIRE HYDRANTS WATER VALVES, DRAINAGE AND SEWER CLEANOUTS, LIGHT POLES AND SIGNS SHALL BE RECORDED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE THAT THE WORK IS PERFORMED. ELEVATIONS OF TOP OF WATER PIPING SHALL BI RECORDED AT ALL BENDS, TEES, AND AT ALL STORM DRAINAGE AND SANITARY SEWER CROSSINGS. SANITARY SEWER TOP OR BOTTOM OF PIPE ELEVATIONS SHALL BE RECORDED AT ALI CROSSINGS WITH WATER AND STORM DRAINAGE PIPING. FINISHED GRADE ELEVATIONS AT ALL WATER VALVES, FIRE HYDRANTS SANITARY MANHOLES DRAINAGE STRUCTURES AND CLEANOLI LOCATIONS WILL BE RECORDED. CURB AND PAVEMENT FINISHED GRADE ELEVATIONS AT ALL HIGH AN LOW POINTS, ALONG SWALES, CENTERLINES OF ROADS OR DRIVE AISLES, AND IN PARKING AREAS, SHALL BE RECORDED. AS-BUILT SURVEYS OF THESE ITEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD WITHIN 30 DAYS OF CONSTRUCTION COMPLETION AND PRIOR TO FINAL PAYMENT BY THE OWNER. THE ENGINEER OF RECORD RESERVES THE RIGHT TO REVIEW THE AS-BUILT SURVEYS AND REQUIRE THE COMPLETED WORK CORRECTED, WHERE DEFICIENCIES WITH RESPECT TO THE CONSTRUCTION DRAWINGS AND THE LOCAL, COUNTY AND STATE STANDARDS ARE NOT ADHERED TO BY THE CONTRACTORS WORK.
- 9. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OF RF-FSTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSI FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO

THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.

#### I. APPLICABLE CODES:

- A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, MIAMI-DADE WATER AND SEWER DEPARTMENT, AND ALL OTHER APPLICABLE LOCAL, STATE AND NATIONAL CODES.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR LATEST EDITION, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS
- C. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. (N.G.V.D.), UNLESS OTHERWISE NOTED.
- D. EXISTING TOPOGRAPHIC AND CADASTRAL INFORMATION SHOWN ON THESE DRAWINGS ARE BASED ON THE TOPOGRAPHIC/BOUNDARY SURVEY PREPARED BY PULICE LAND SURVEYORS, INC. LAST REVISED DATE NOVEMBER 20, 2021.

#### PRECONSTRUCTION RESPONSIBILITIES:

- A. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED 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 REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
- B. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.
- C. THE CONTRACTOR SHALL CONTACT "SUNSHINE ONE-CALL OF FLORIDA" BY CALLING 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO COMMENCING ANY EXCAVATION OR CONSTRUCTION IN ORDER TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES ON-SITE AND OFF-SITE.
- THE CONTRACTORS SHALL COORDINATE WITH UTILITIES TO ARRANGE FOR RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF APPLICABLE,
- E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS
- F. THE CONTRACTOR SHALL SECURE ALL UTILITY EASEMENTS (IF REQUIRED) TO BE SECURED PRIOR TO CONSTRUCTION.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AS SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE AT THE TIME PLANS WERE PREPARED BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC., WITHIN THE PROJECT AREA WHICH WERE INSTALLED AND CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE FACILITIES SHOWN OR FOR ANY FACILITIES NOT SHOWN. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING FACILITIES, STRUCTURES AND OTHER FEATURES (WHETHER SHOWN ON THE PLANS OR NOT) AFFECTING THE WORK.
- H. IF, UPON EXCAVATION, EXISTING CONDITIONS ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.
- ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

#### **III.** INSPECTION AND TESTING:

- A. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AS WELL AS ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING
- B. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD AT LEAST 48 HOURS ADVANCE NOTICE OF, AND THE ENGINEER OF RECORD MUST BE PRESENT TO WITNESS, THE FOLLOWING: PRESSURE TESTING OF THE WATER DISTRIBUTION SYSTEM. 2. EXFILTRATION TEST OF THE SANITARY SEWAGE SYSTEM. 3. FINAL INSPECTION OF THE WATER, SEWER, PAVING, GRADING AND DRAINAGE.
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL APPLICABLE REGULATORY AGENCIES FOR INSPECTION

#### IV. SHOP DRAWINGS:

PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: WATER MAIN FITTINGS, VALVES, PIPES, CATCH BASIN, STORM MANHOLES AND ALL OTHER DRAINAGE STRUCTURES DRAINAGE PIPE, BALLAST ROCK, EXFILTRATION TRENCH FILTER FABRIC, AND TRAFFIC PAINT. IN ADDITION, SOME CITIES, COUNTIES, STATE AND/OR NATIONAL REGULATORY AGENCIES REQUIRE THEIR OWN INDIVIDUAL REVIEW AND APPROVAL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY SHOP DRAWING APPROVALS

#### V. TEMPORARY FACILITIES:

- A. TEMPORARY FACILITIES: 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO
  - ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY, DURING CONSTRUCTION.
- 2. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO COMMERCIAL PROPERTIES AT ALL TIMES, IF APPLICABLE
- 3. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION, IF APPLICABLE.

#### TRAFFIC REGULATION:

- 1. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS AND FLAGPERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH THE M.U.T.C.D. AND MIAMI-DADE COUNTY PUBLIC WORKS
- 2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- 3. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT.

#### VI. PROJECT CLOSE-OUT:

- 1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.
- THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. 3. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED
- EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
- 4. WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO OR HAVE 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 SATISFACTORILY DISPOSED OF DURING TH PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN

#### B. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES. REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA

REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

AND NEAT CONDITION.

- C. PROJECT RECORD DOCUMENTS: 1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
- 2. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK BASE CONSTRUCTION (AND BEFORE PLACING ASPHALT PAVEMENT OR CONCRETE PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN AND EDGES OF PAVEMENT AT 25 FEET INTERVALS.
- 3. UPON COMPLETION OF CONSTRUCTION, AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS.
- 4. "AS-BUILT" INFORMATION ON WATER MAINS AND GRAVITY SEWERS MUST BE PROVIDED IN ACCORDANCE WITH THE MIAMI-DADE WATER AND SEWER DEPARTMENT STANDARD AS-BUILT REQUIREMENTS.
- 5. ALL "AS-BUILT" INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR.

#### VII. EARTHWORK AND COMPACTION:

A. EARTHWORK AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION C3, "REQUIREMENTS FOR FILLING LAND IN UNINCORPORATED DADE COUNTY", OF THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL.

#### VIII. STORM DRAINAGE:

- 1. CATCH BASIN GRATES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.
- 2. DISTANCES AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES. 3. ALL STORM DRAINAGE MATERIALS AND INSTALLATION SHALL CONFORM TO THE APPLICABLE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

#### SECTION EXCAVATION, TRENCHING AND BACKFILLING FOR PIPE

- STRUCTURES DRAINAGE PIPE
- STORM SEWER MANHOLES 350 CATCH BASINS
- SEEPAGE DRAIN (FRENCH DRAIN)

SAFETY REQUIREMENTS (EG, OSHA, ETC.) AND WITH THE HEALTH AND SAFETY PLAN (HASP) APPROVED BY DERM ON SEPTEMBER 14TH, 2020 WITHIN THE "SOIL MANAGEMENT PLAN" PREPARED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES DATED SEPTEMBER 8TH, 2020, REVIEWED BY DERM FOR PROJECT FLASH PROJECT (HWR-1045).

ALL WORK SHALL BE IN CONFORMANCE WITH THE APPLICABLE

- B. ALL EXFILTRATION TRENCH SHALL BE AS PER STANDARD DETAIL SD 1.1 OF THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, AND INSTALLED AT THE WIDTH, DEPTH AND ELEVATION SHOWN ON THE APPROVED CROSS SECTION DEPICTED ON THE PLANS. ANY CONFLICT WITH FXISTING OR PROPOSED UTILITIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY IMPERMEABLE MATERIAL ENCOUNTERED IN THE EXCAVATION FOR THE EXFILTRATION TRENCH SHALL BE REMOVED AS DIRECTED
- ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AS MANUFACTURED BY U.S. PRECAST CORPORATION OR APPROVED EQUAL.
- D. THE TRENCH FILTER FABRIC SHALL BE SELECTED FROM THE LIST OF MANUFACTURERS AND FABRIC TYPES APPROVED BY THE MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT. IT SHALL BE USED TO WRAP ALL SIDES AND TOP OF THE EXFILTRATION TRENCH. THE TOP SECTION OF THE MATERIAL SHALL BE LAPPED A MINIMUM OF 12 INCHES AND THE CONTRACTOR SHALL TAKE EXTREME CARE IN BACKFILLING TO AVOID BUNCHING OF THE FABRIC.
- E. PERFORATED PIPE SHALL TERMINATE 4'-0" FROM THE DRAINAGE STRUCTURE. THE REMAINING 4'-0" SHALL BE NON-PERFORATED
- F. PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY
- THE CONTRACTOR SHALL PROTECT EXISTING AND COMPLETED DRAINAGE STRUCTURES AND EXFILTRATION SYSTEM FROM CONTAMINATION OF SILT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD ON OR FILTER FABRIC BETWEEN THE FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED. (SEE STORMWATER POLLUTION PREVENTION PLAN)
- H. ALL EXFILTRATION TRENCH SHALL BE INSTALLED TO A MINIMUM DEPTH OF 15' UNLESS APPROVED BY THE COUNTY AND EOR.

CONSTRUCTION VEHICLES DURING CONSTRUCTION.

PRECAST DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO MEET OR EXCEED FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND ASTM C-478.

#### IX. PAVING:

#### A. GENERAL:

- 1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE. 2. ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S
- **EXPENSE** 3. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

4. WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO

EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL

- 5. PAVEMENT REPAIRS SHALL BE AS PER STANDARD DETAIL R 21.1 OF THE MIAMI- DADE COUNTY PUBLIC WORKS MANUAL.
- B. MATERIALS AND INSTALLATION: 1. ALL WORKS CONFORM TO THE APPLICABLE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS

INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: CLEARING AND GRUBBING EXCAVATION AND EMBANKMENT RESTORATION OF TRENCHES LIMEROCK BASE

OF 8" PLACED ON A SINGLE LAYER FOR STREETS.

TYPE S-1 ASPHALTIC CONCRETE SURFACE COURSE 2. STREET NAME SIGNS SHALL BE ERECTED PER MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT SPECIFICATIONS SECTION 168.

PRIME AND TACK COATS

3. SUBGRADE FOR ROADWAY SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY (AASHTO T-180-74), LBR 40. 4. BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM THICKNESS

#### 5. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180-74, LBR 100.

X. TESTING: 1. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA. RESULTS OF DENSITY TESTS SHALL

BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF

#### FLORIDA AND PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW. XI. WATER DISTRIBUTION SYSTEM:

- 1. ALL MATERIALS, INSTALLATION AND TESTING UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT.
- 2. ANY FXISTING PUBLIC WATER SERVICE WITHIN THE PROPERTY IN CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED AFTER ANY ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS APPLICABLE.
- 3. ALL PROP WATER & FORCE MAINS AND FITTINGS TO BE RESTRAINED PER GS

#### B. MATERIALS INSTALLATION AND TESTING:

- 1. FOLLOW MDWASD SPECIFICATIONS FOR WATER MAINS 2. IN ADDITION SEE MDWASD NOTES ON THIS SHEET.
- XII. SANITARY SEWER COLLECTION SYSTEM: A. GENERAL: 1. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE WATER AND
- AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT. 2. MANHOLE RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.

SEWER AUTHORITY DEPARTMENT AND SHALL CONFORM TO THE STANDARDS

- 3. DISTANCES AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES. 4. ANY EXISTING PUBLIC SEWER SERVICE WITHIN THE PROPERTY IN CONFLICT WITH THE PROPOSED DEVELOPMENT MUST BE REMOVED AFTER ANY
- ASSOCIATED EASEMENT IS CLOSED AND RELEASED AS APPLICABLE. 5. ALL PROP WATER & FORCE MAINS AND FITTINGS TO BE RESTRAINED PER GS

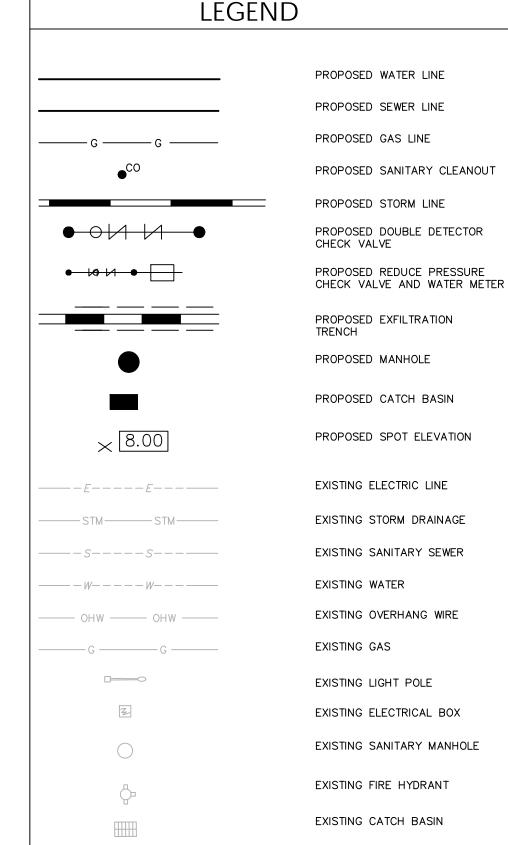
#### MATERIALS, INSTALLATION AND TESTING: 1. FOLLOW MDWASD SPECIFICATIONS FOR GRAVITY SANITARY SEWER SYSTEMS.

2. IN ADDITION, SEE MDWASD NOTES ON THIS SHEET.

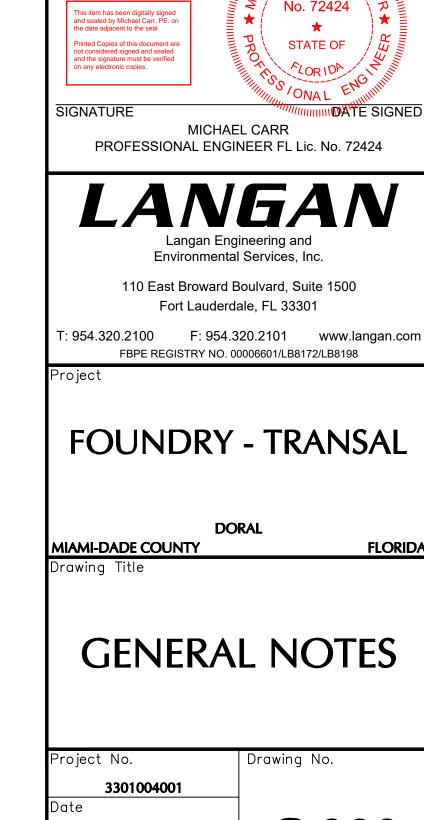
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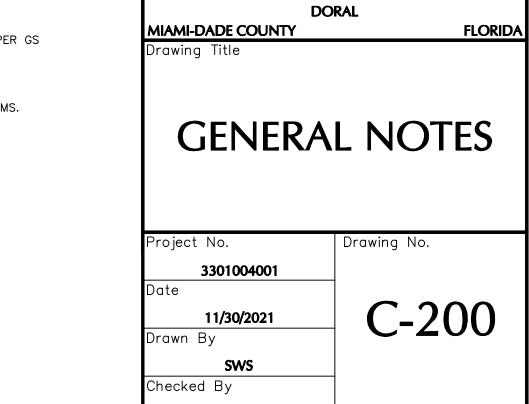


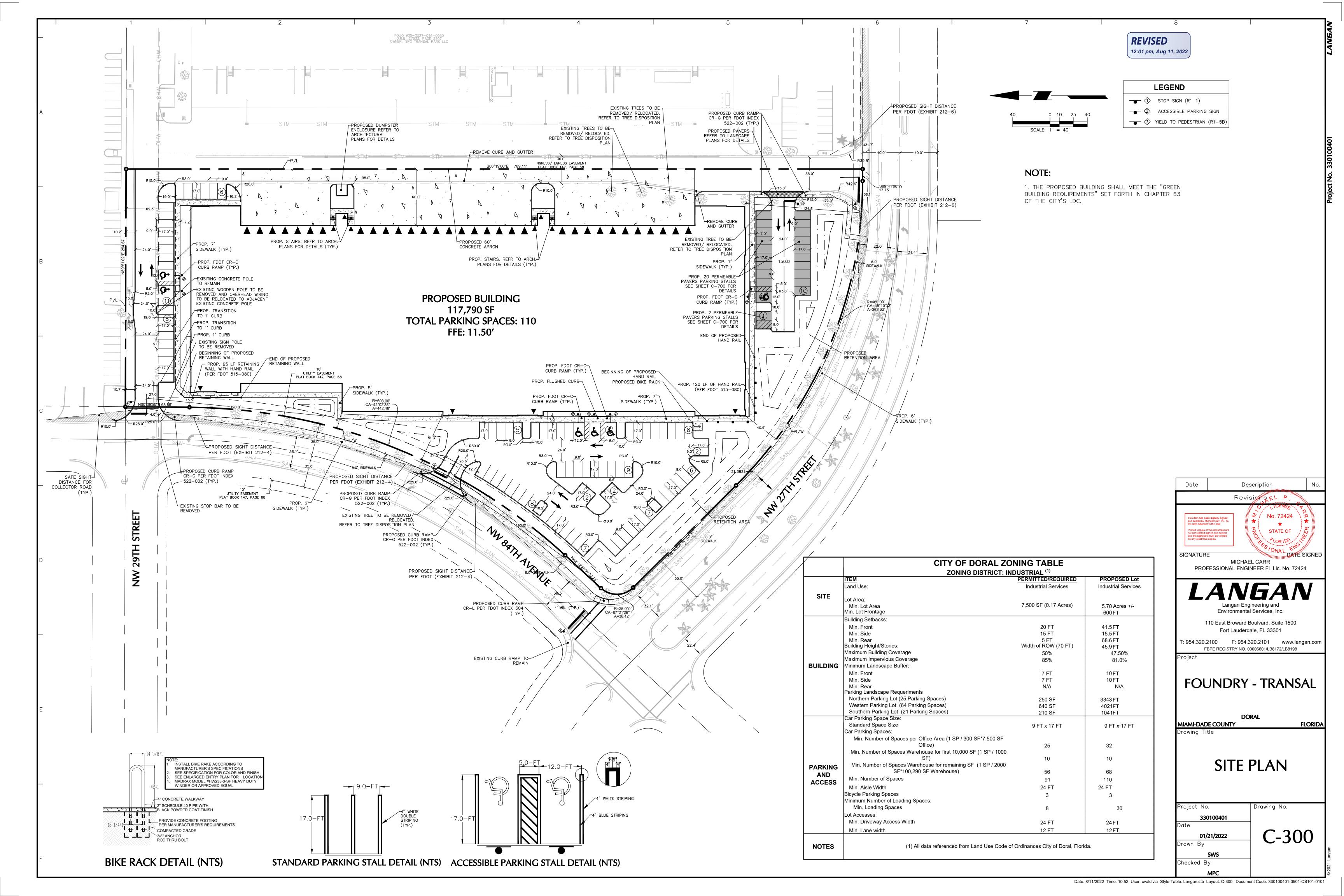
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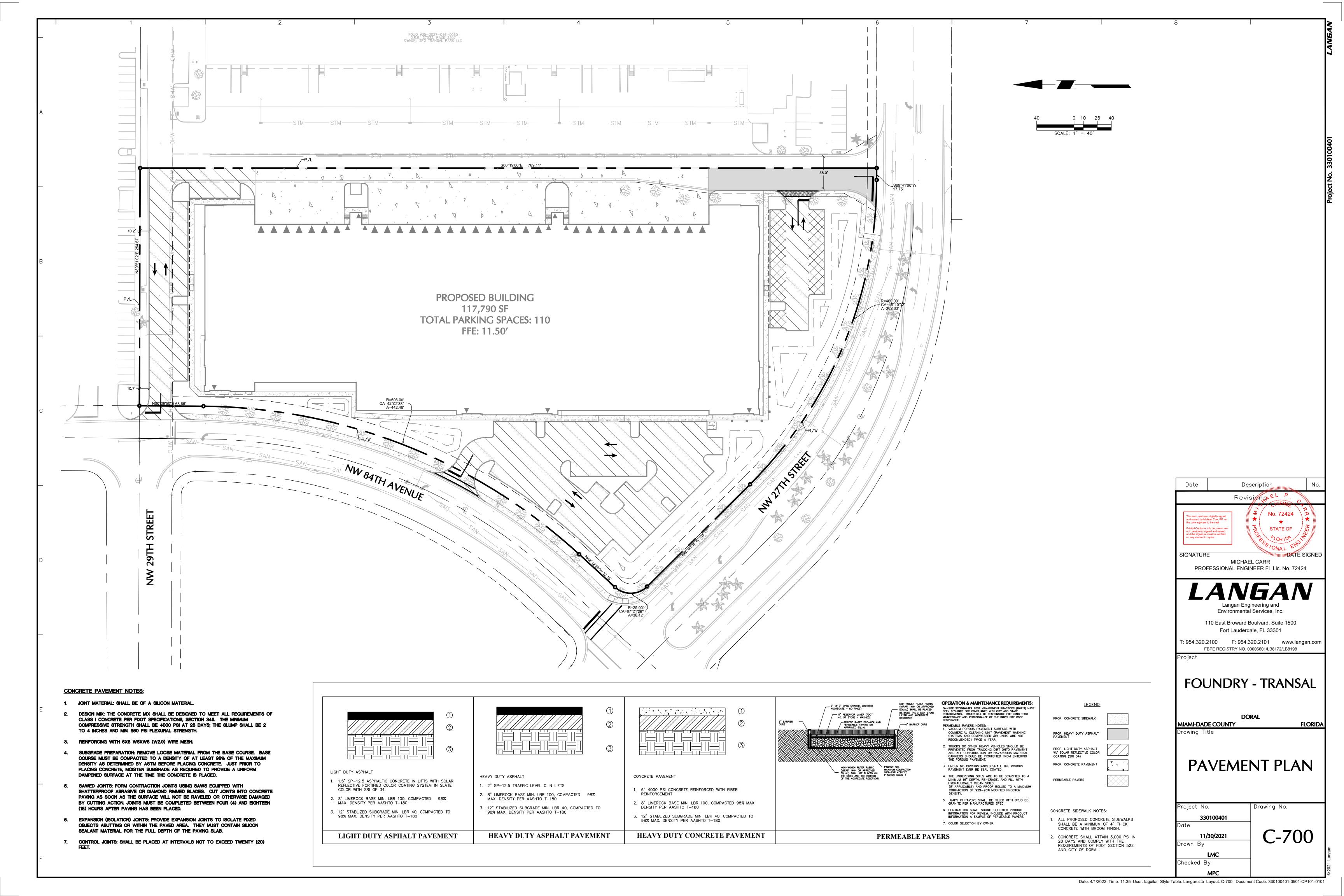


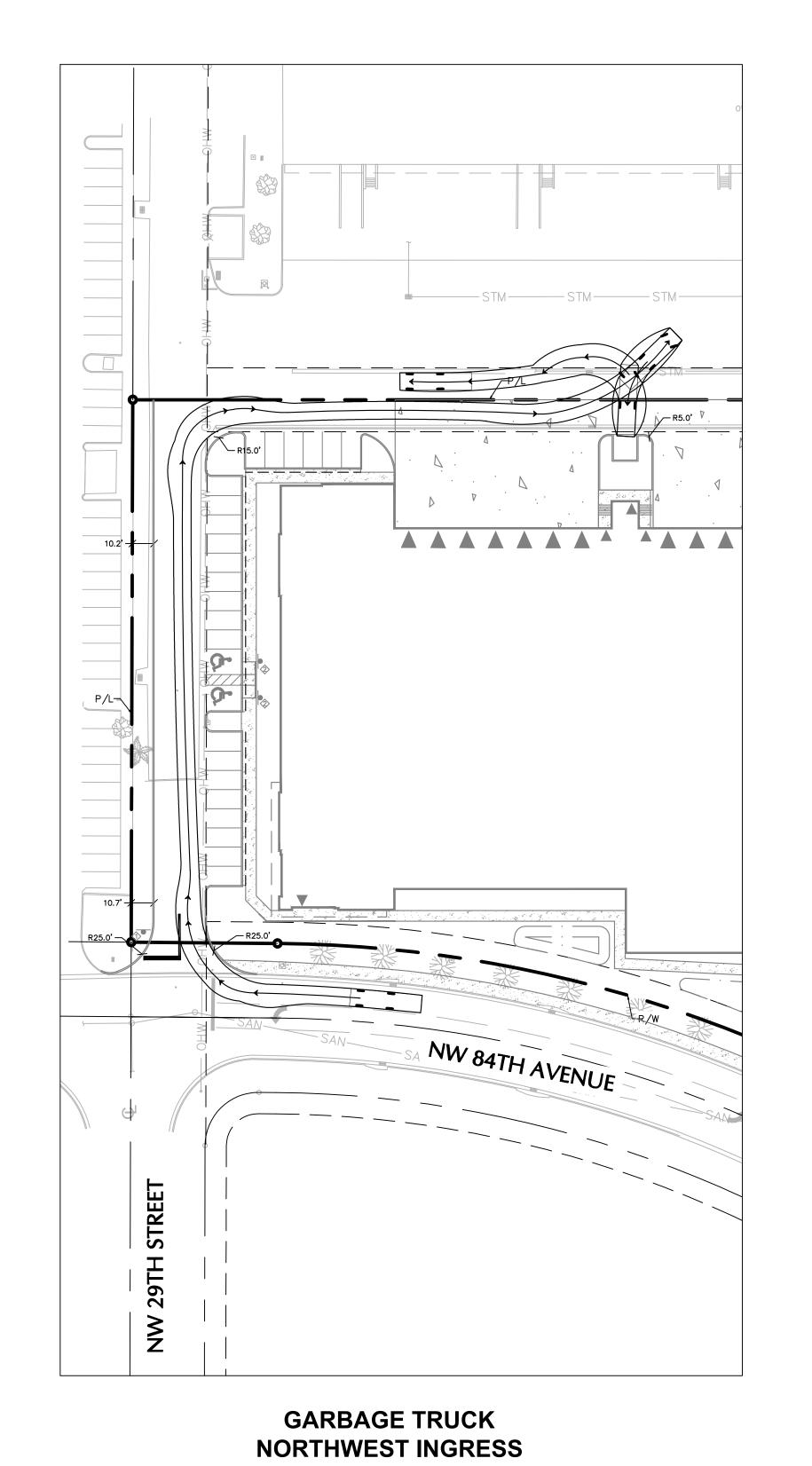
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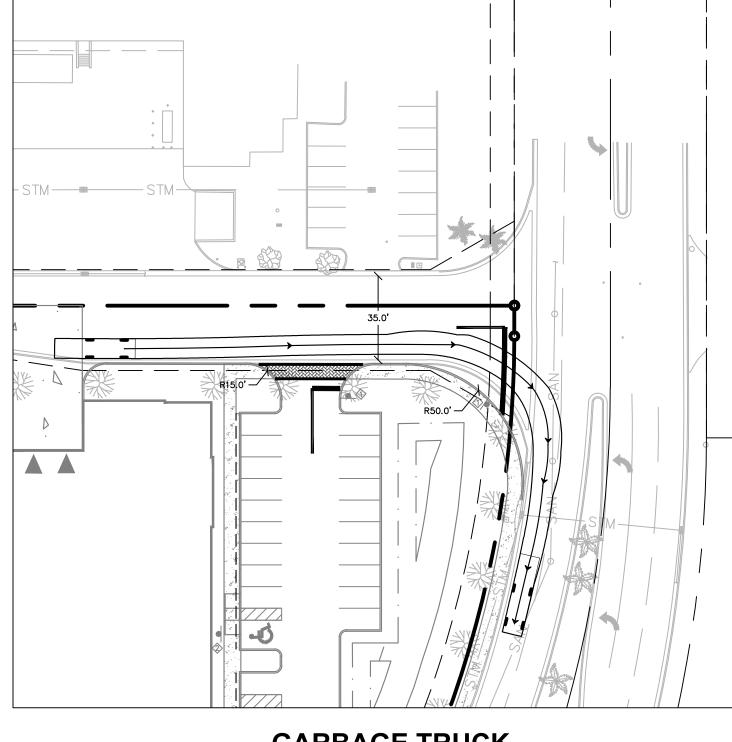
Revision & EL



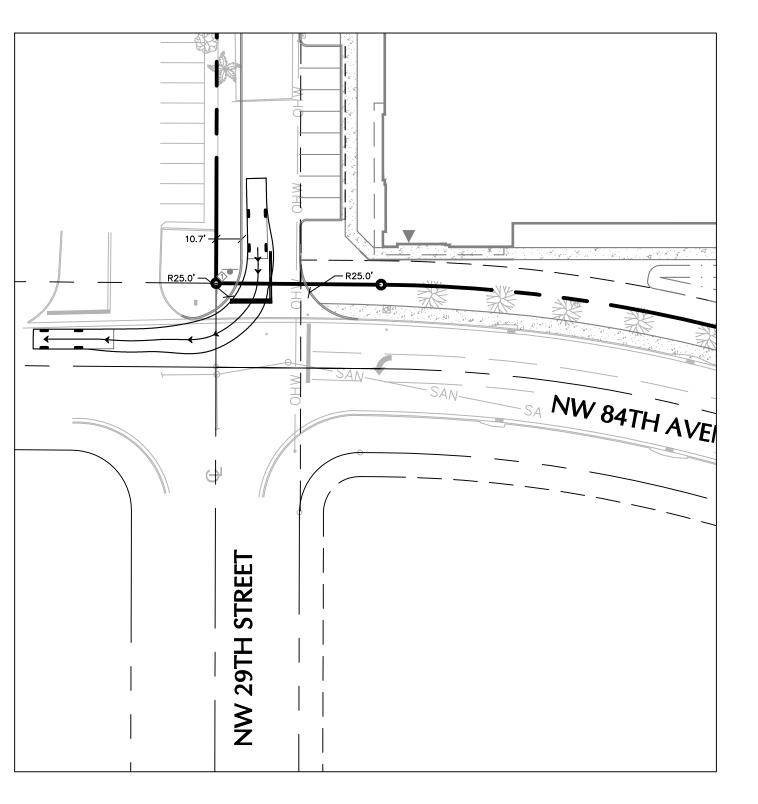




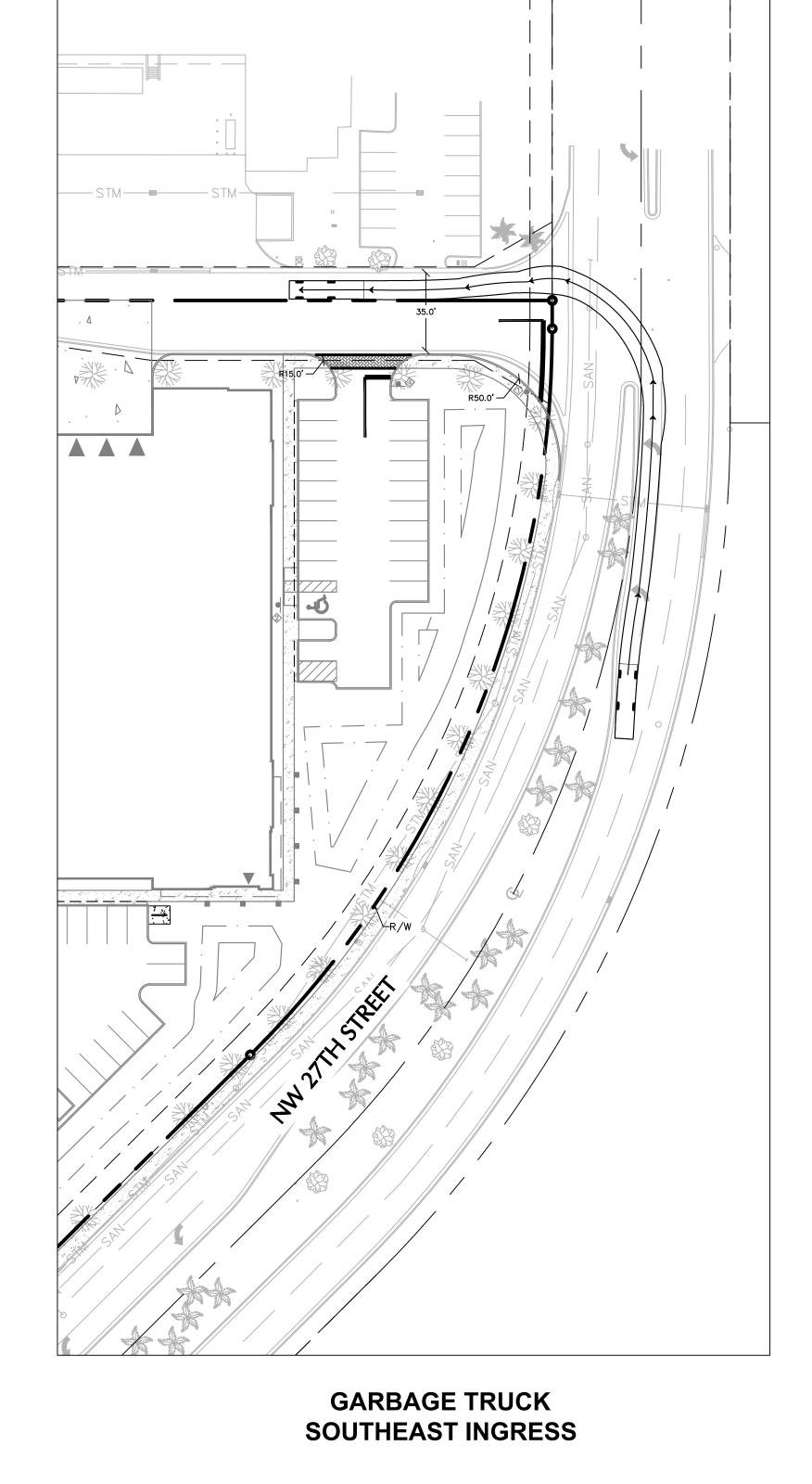


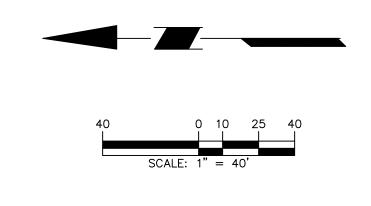


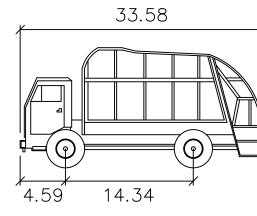
GARBAGE TRUCK SOUTHEAST EGRESS



GARBAGE TRUCK NORTH WEST EGRESS



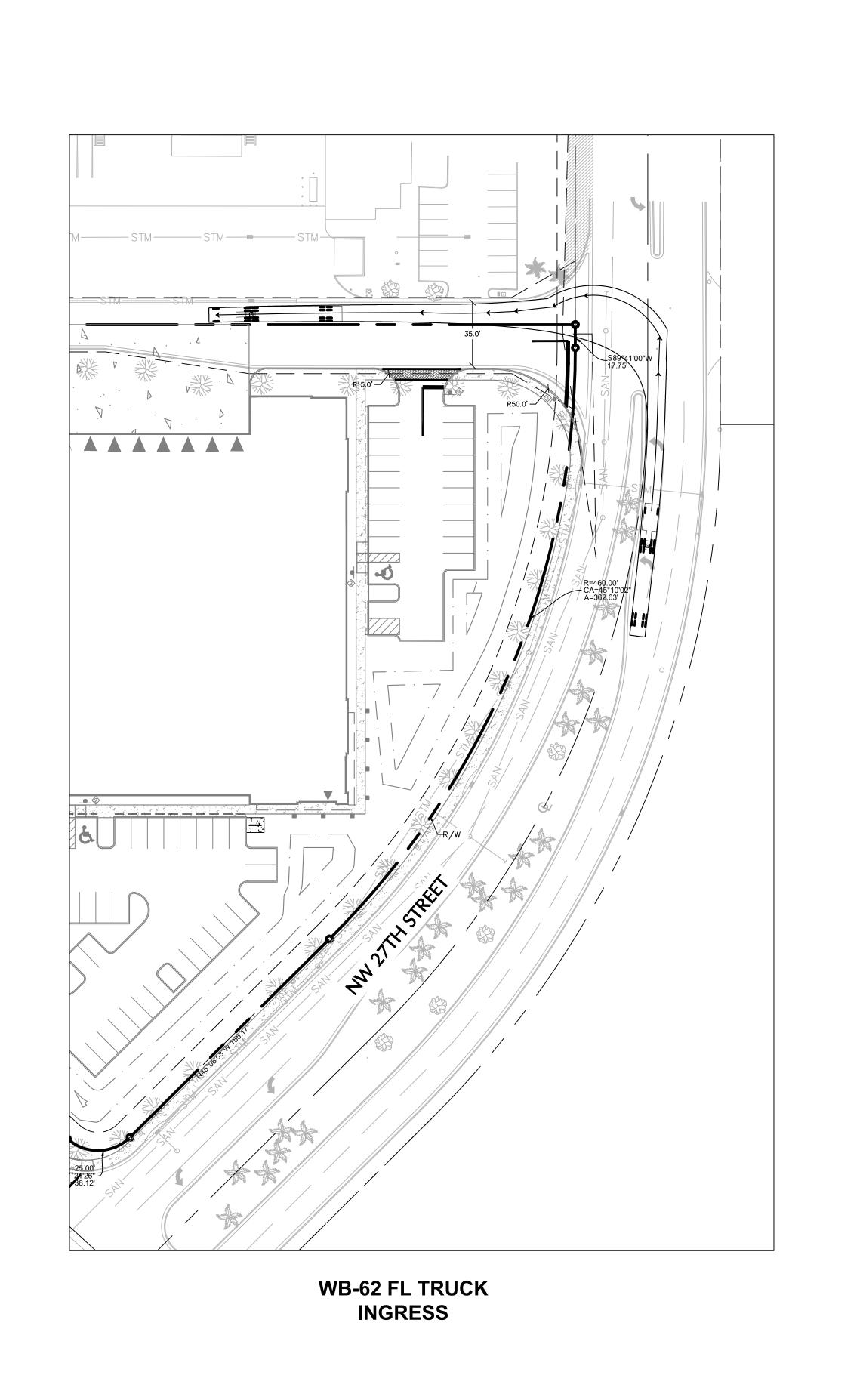


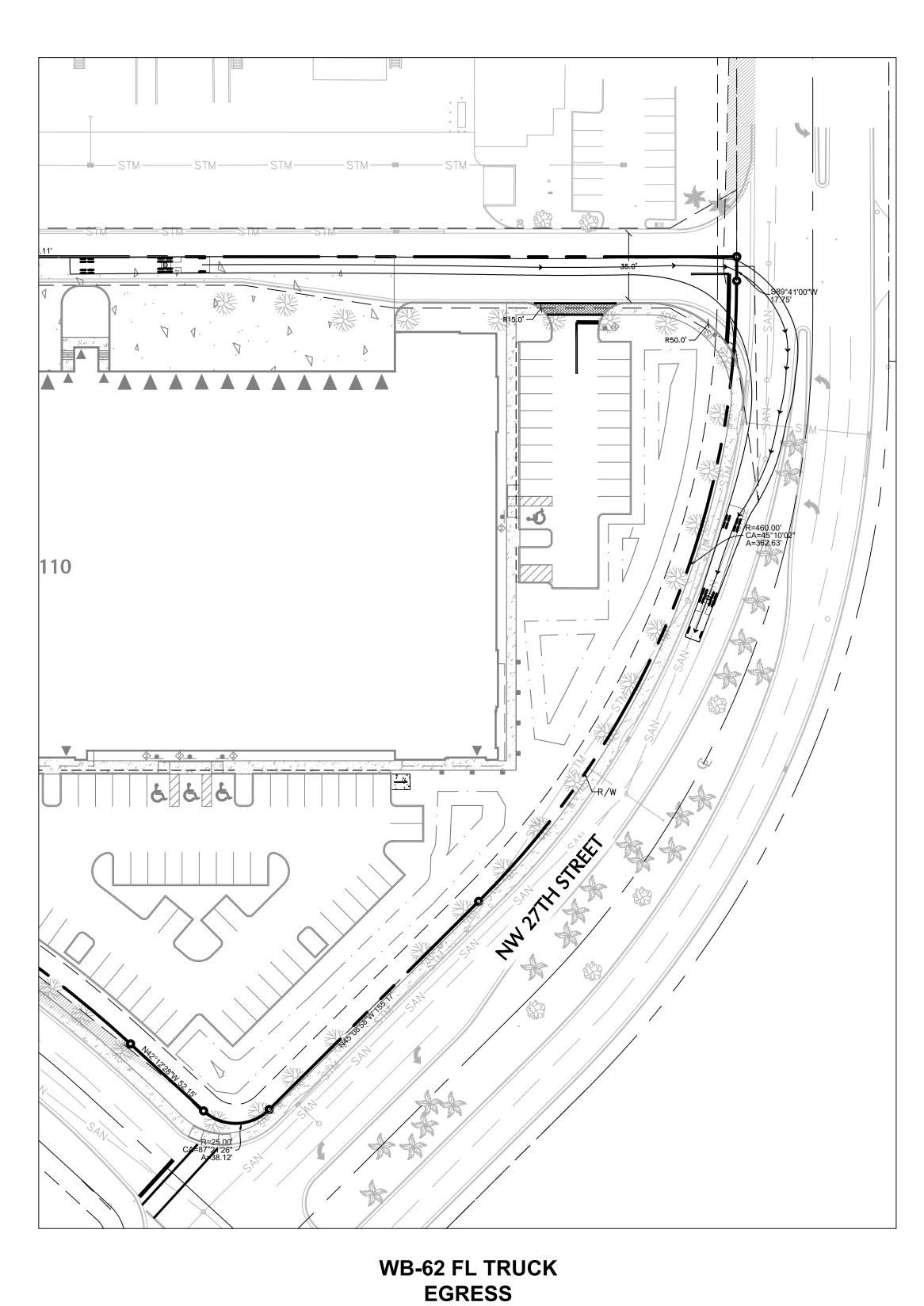


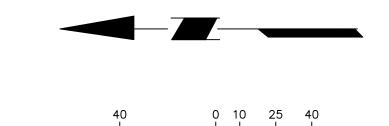
Garbage Truck

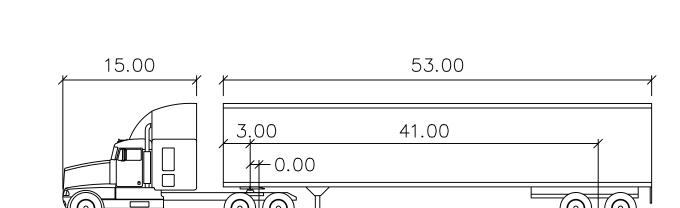
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idth	: 8.20
rack	: 7.8
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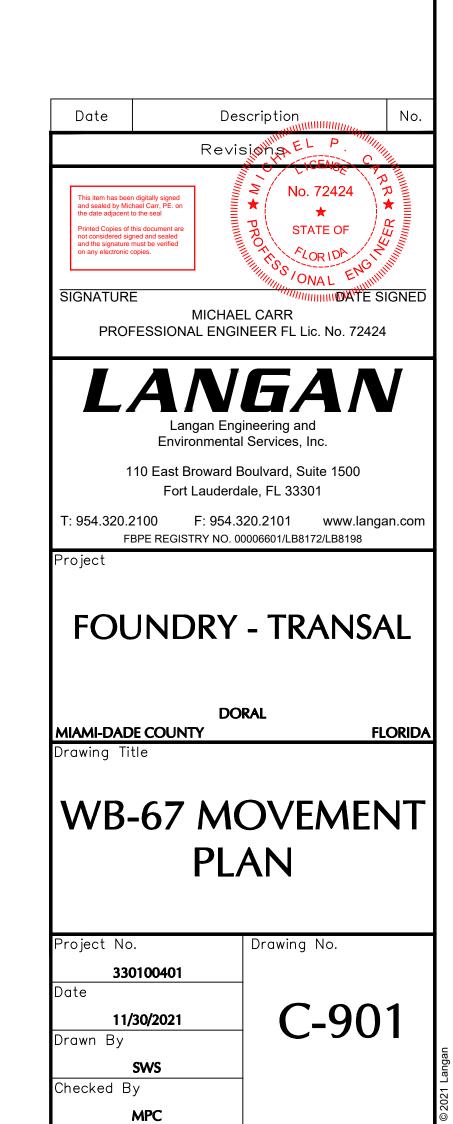


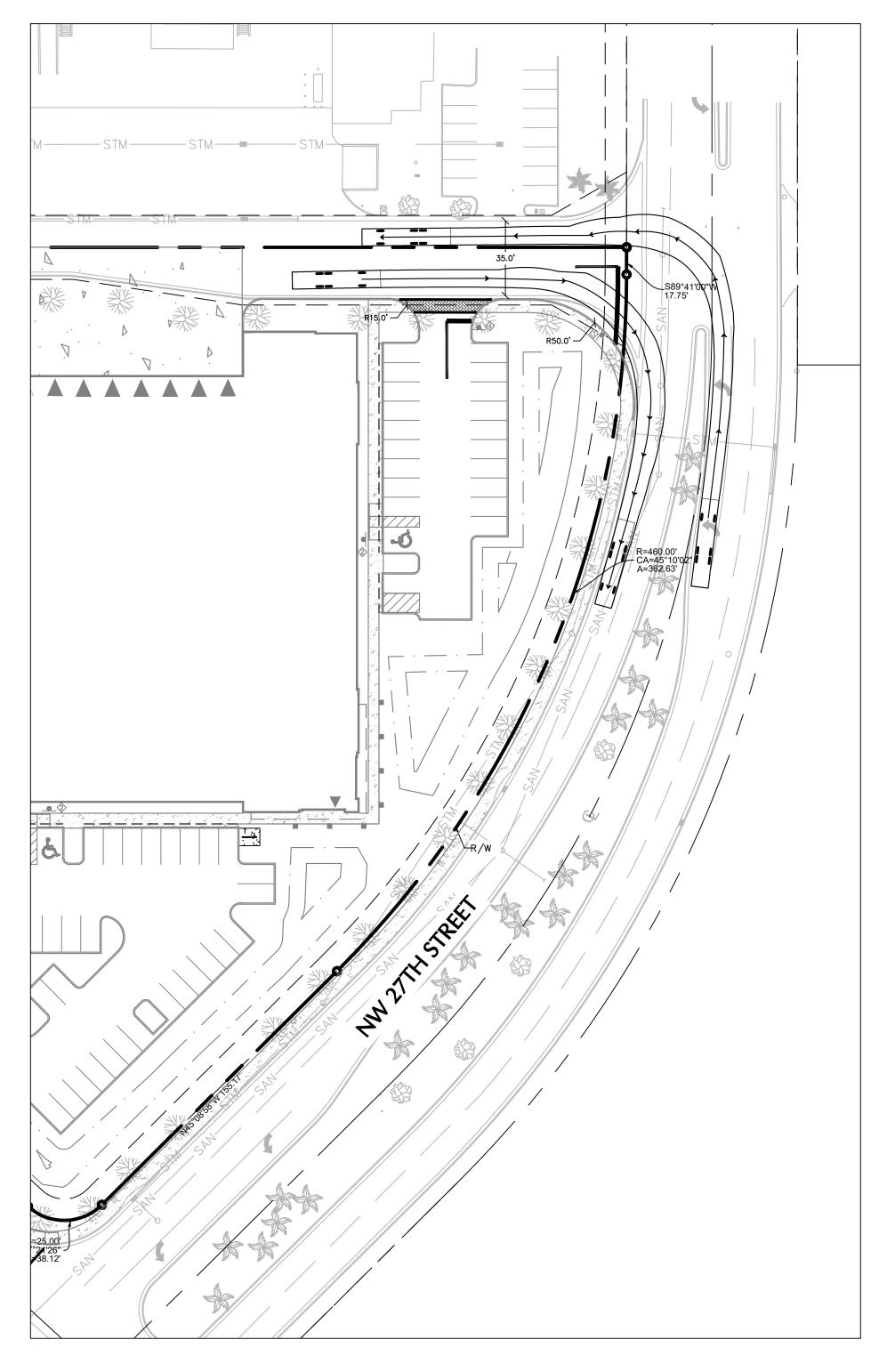




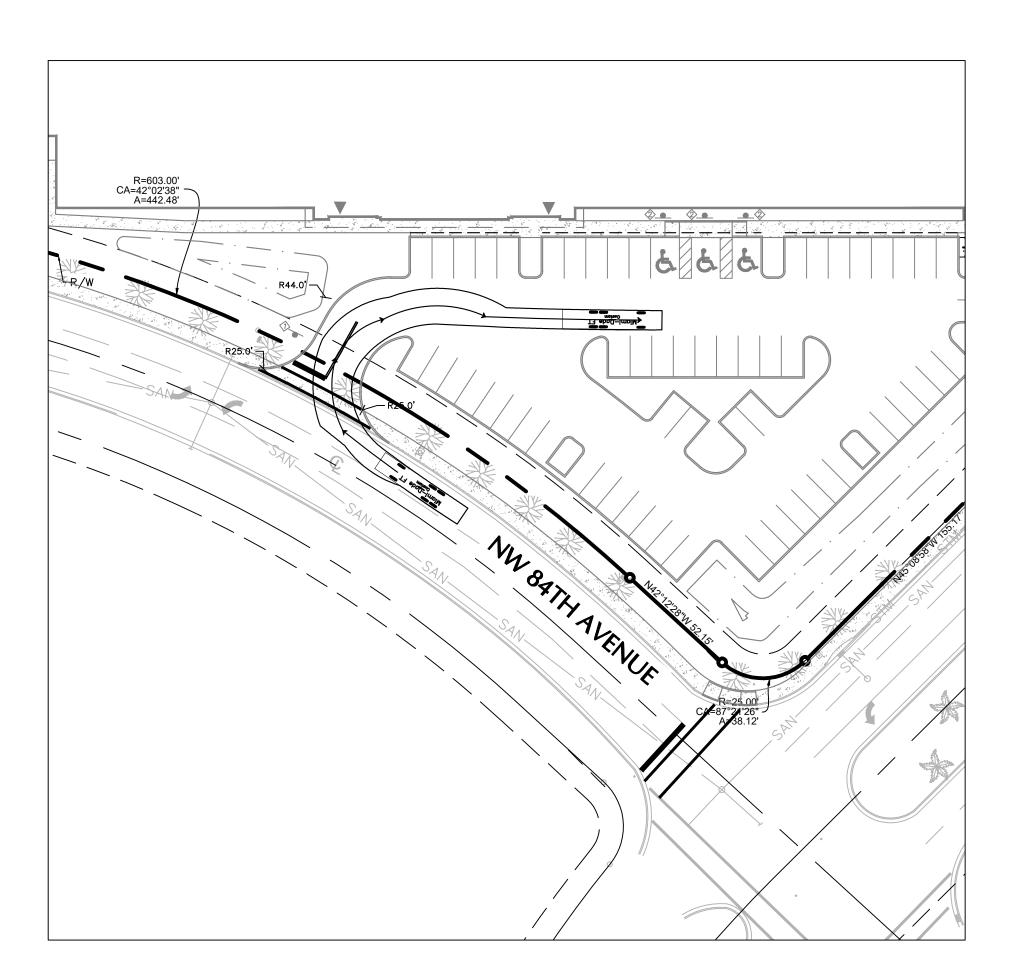
WB-62FL

	1000		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	· 8.50		

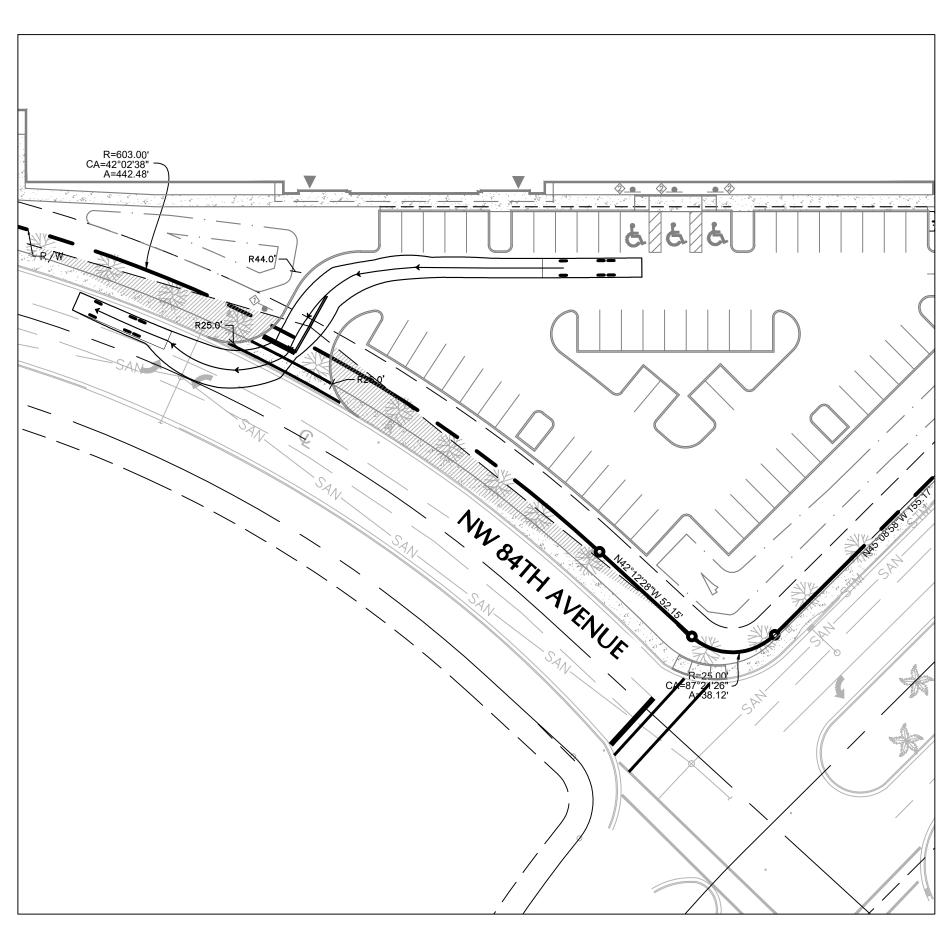




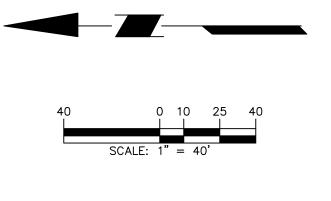
FIRE TRUCK INGRESS / EGRESS

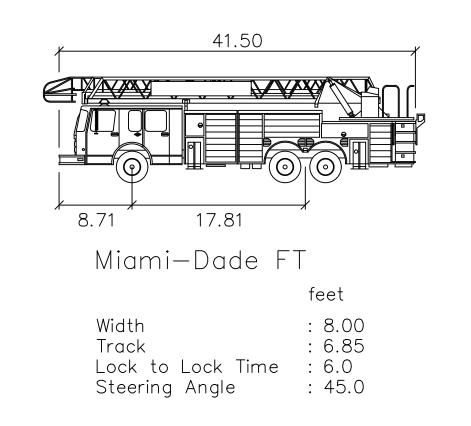


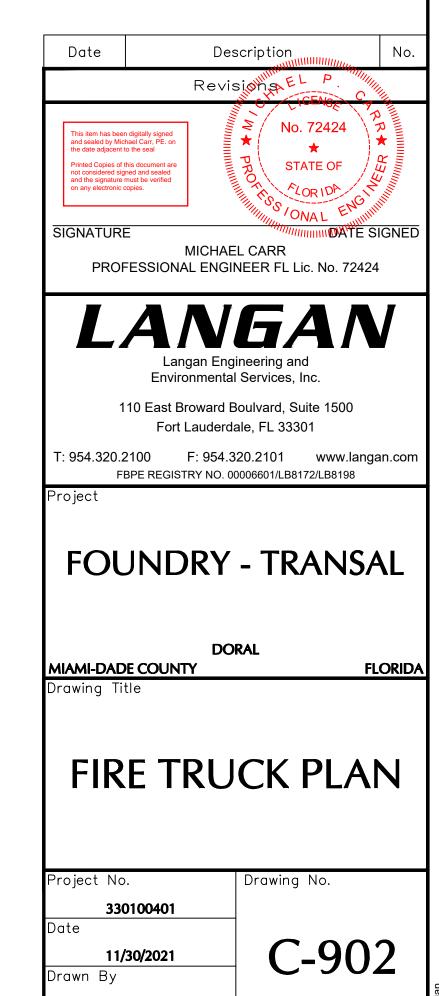
FIRE TRUCK INGRESS



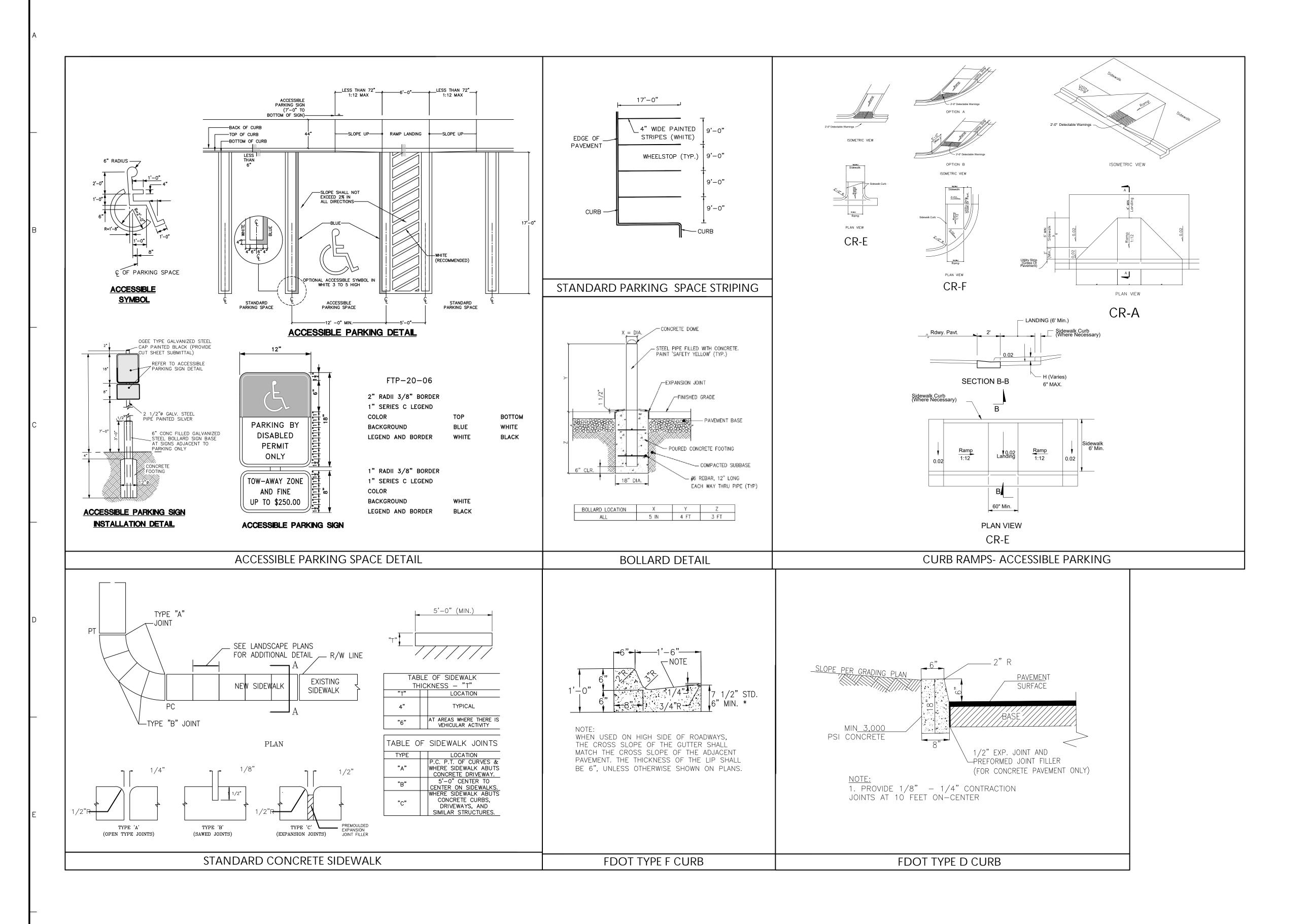
FIRE TRUCK EGRESS

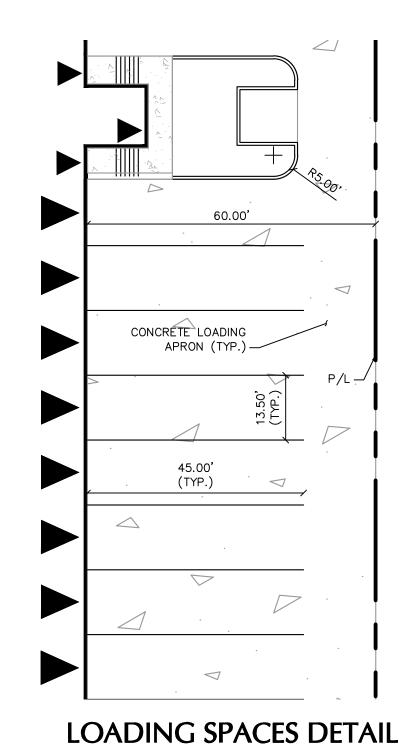




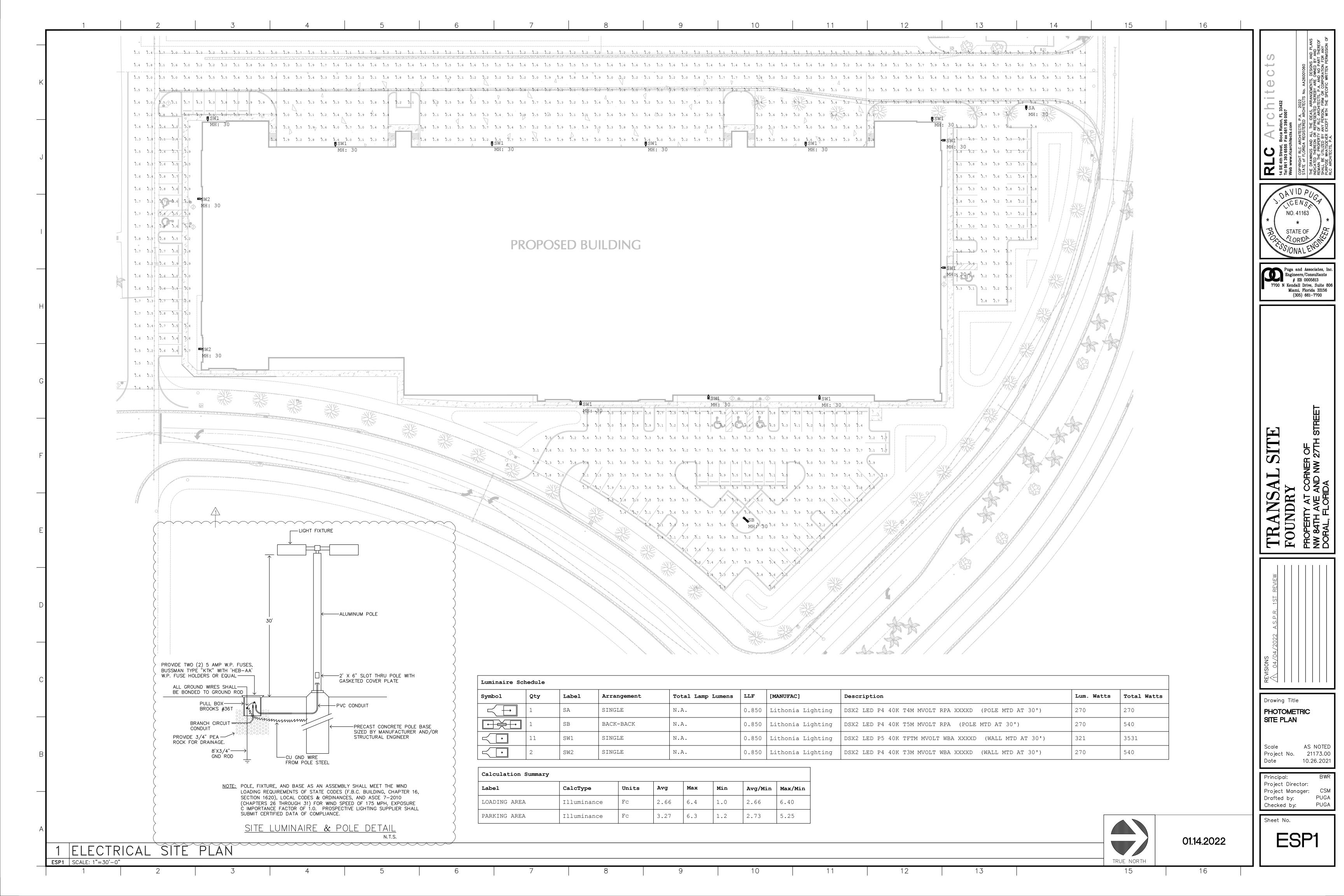


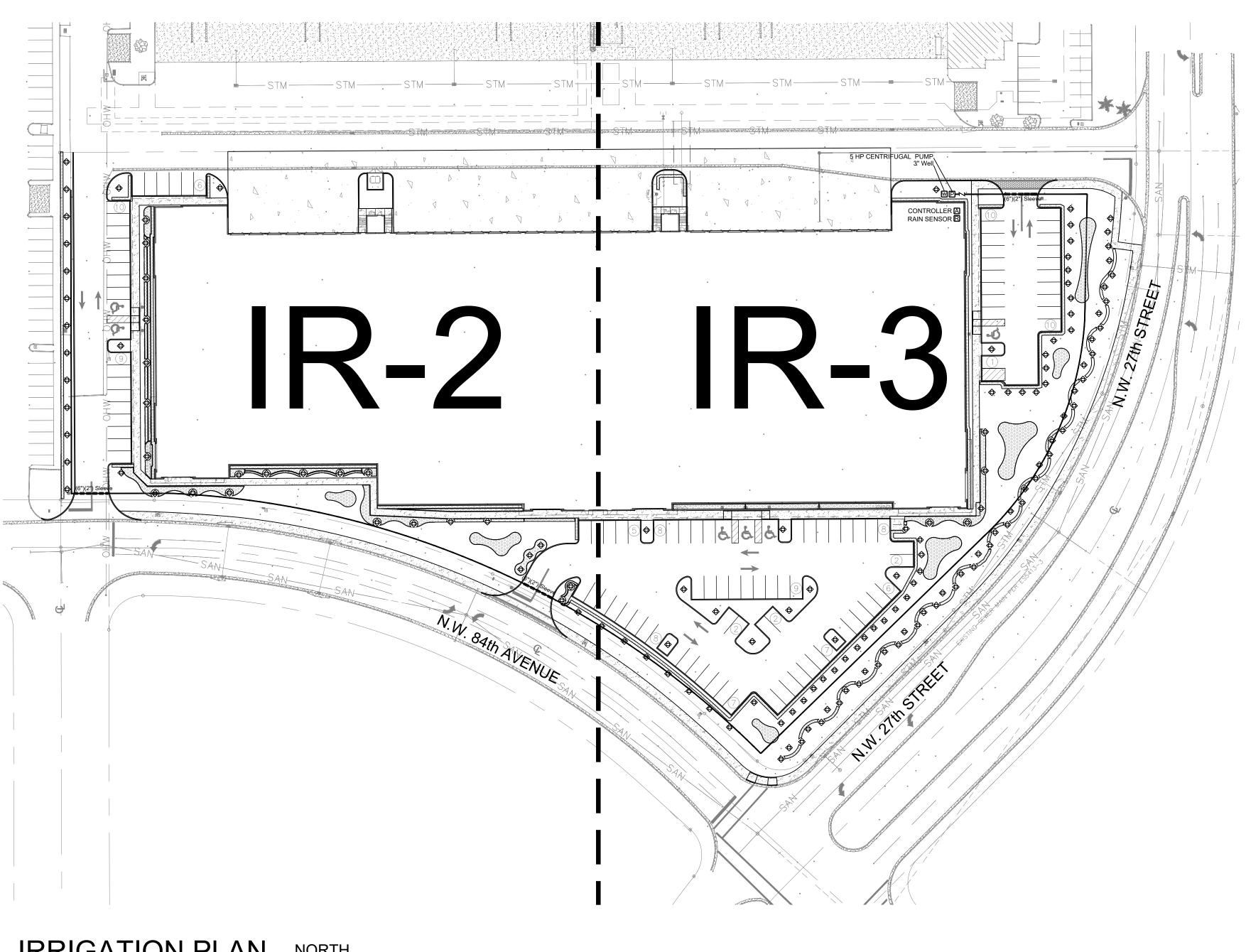
Checked By





Date Description Revision ₹ / No. 72424 STATE OF ONAL EDATE SIGNED SIGNATURE MICHAEL CARRILLIN PROFESSIONAL ENGINEER FL Lic. No. 72424 Langan Engineering and Environmental Services, Inc. 110 East Broward Boulvard, Suite 1500 Fort Lauderdale, FL 33301 T: 954.320.2100 F: 954.320.2101 www.langan.com FBPE REGISTRY NO. 00006601/LB8172/LB8198 **FOUNDRY - TRANSAL** DORAL MIAMI-DADE COUNTY FLORIDA Drawing Title SITE DETAILS Project No. Drawing No. 330100401 C-1001 11/30/2021 Drawn By SWS Checked By







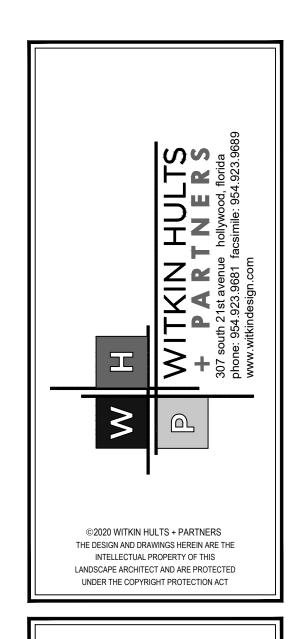
### SHEET INDEX:

IR-1 INDEX

IR-2 IRRIGATION PLAN

IR-3 IRRIGATION PLAN

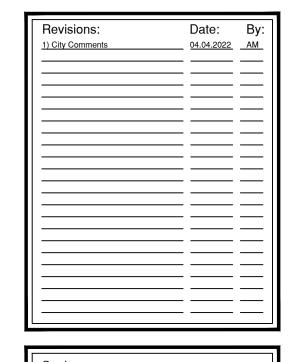
IR-4 IRRIGATION DETAILS



FOUNDRY - TRANSAL

DORAL, FLORIDA

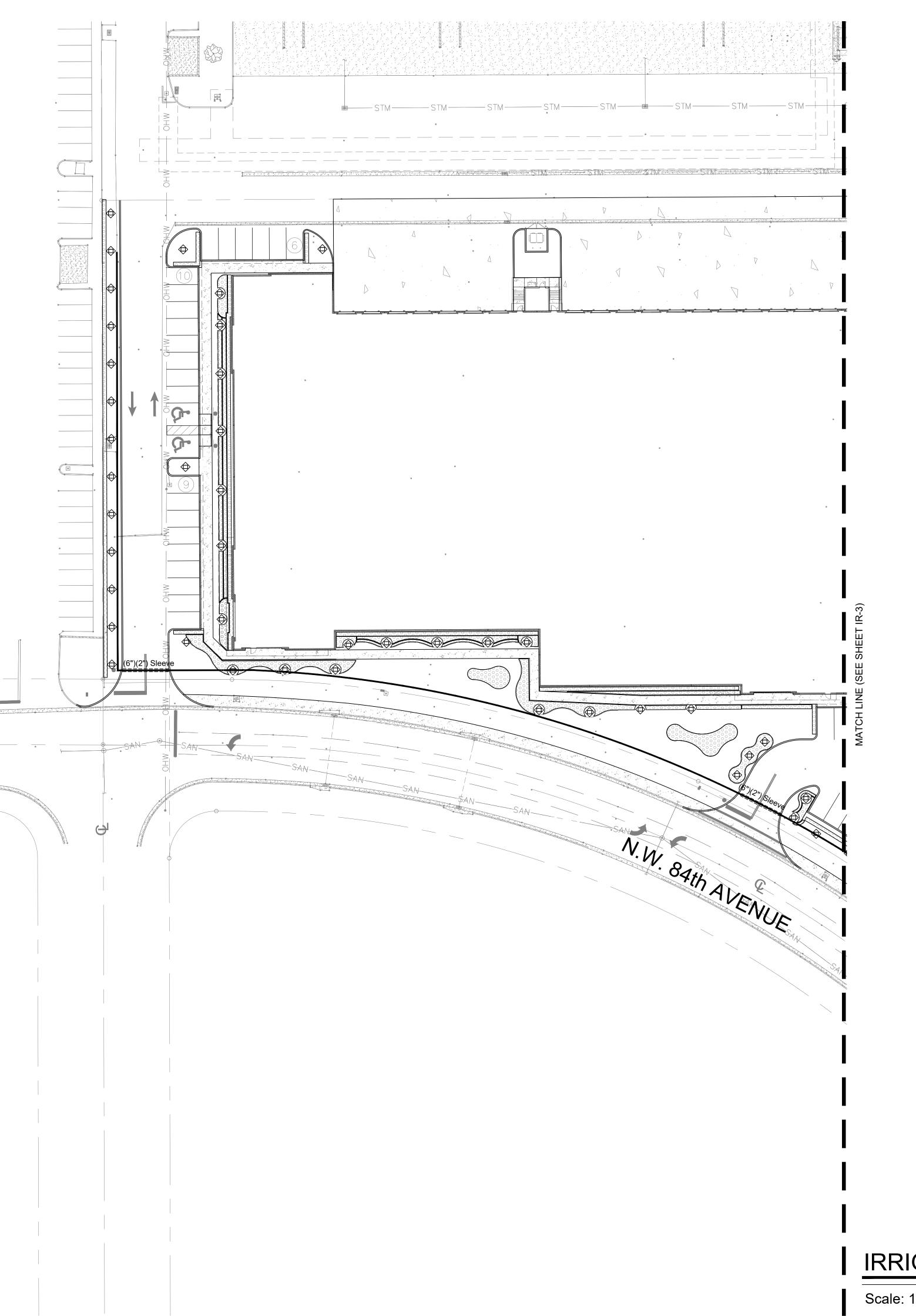
IRRIGATION PLAN: INDEX

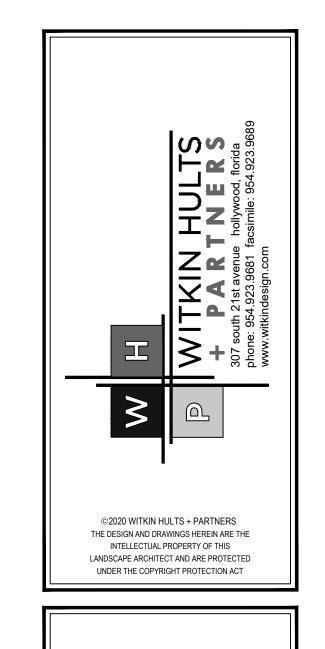




Cad Id.: 2022-007

IR-1





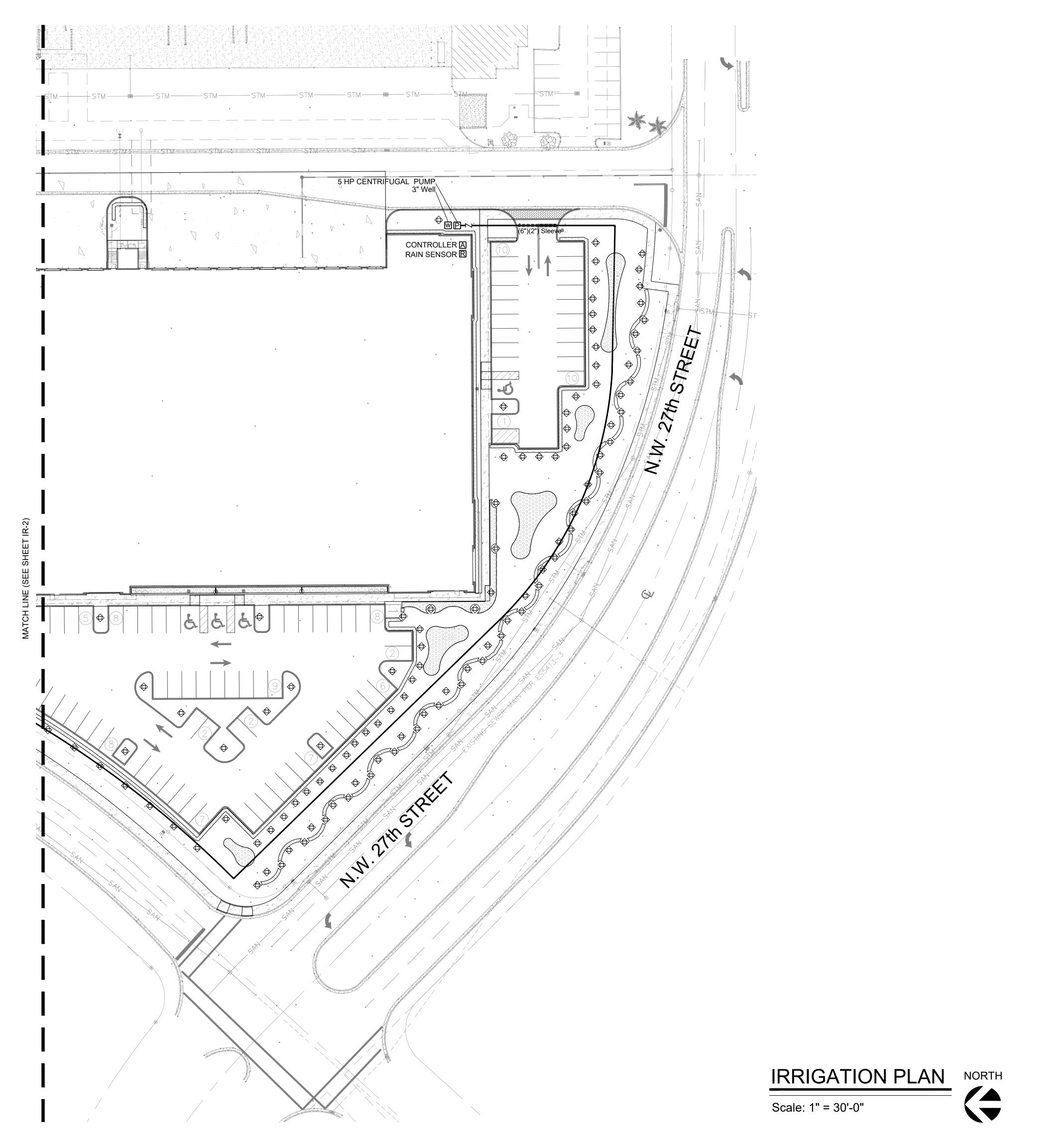
FOUNDRY

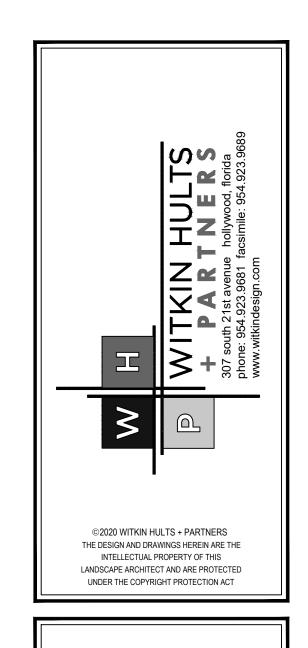
Revisions:  1) City Comments	Date: 04.04.2022	B;
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2.04.04	Member: A.S.L.A.
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2.04	Scale: See Left
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Cad Id.: 2022-007

Scale: 1" = 30'-0"

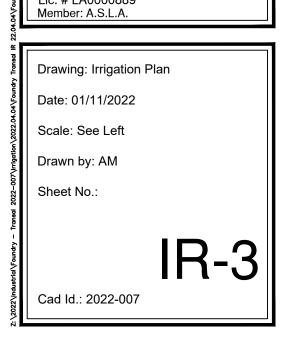




FOUNDRY - TRANSAL
DORAL, FLORIDA
IRRIGATION PLAN

Revisions:	Date:	By:
1) City Comments	04.04.2022	<u>AM</u>
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22.04.0	
Fransal IR	Drawing: Irrigation Plan



#### Irrigation Notes

#### **LAYOUT**

LAYOUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES. MAKE ALL NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATIONS PRIOR TO EXCAVATING TRENCHES.

FLAG ALL SPRINKLER HEAD LOCATIONS. ADJUST LOCATION AND MAKE THE NECESSARY MODIFICATIONS TO NOZZLE TYPES ETC. AS REQUIRED TO INSURE 100% COVERAGE AND 50%

LOW ANGLE TRAJECTORY NOZZLES SHALL BE USED WHEN ALL SPRINKLERS AND ROTORS ARE LOCATED WITHIN 100' OF POOLS OR PUBLIC GATHERING AREAS.

PIPE LOCATIONS SHOWN ON PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING-OUT MAINS AND LATERALS, LOCATE PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHEREVER POSSIBLE TO ALLOW SPACE FOR PLANT ROOT BALLS.

PIPING UNDER HARDSCAPES SUCH AS ROADS, WALKS, AND PATIOS ARE TO BE SLEEVED USING SCH. 40 PIPE.

PIPES 4" AND UNDER TO BE SOLVENT WELD. LARGER PIPES TO BE GASKETED 'O' RING PIPES AND USE THRUST BLOCKS OR MEGA LUGS AND DUCTILE IRON FITTINGS AT TURNING LOCATIONS.

\*SIZE ALL PIPE SO NOT TO EXCEED 5' PER SECOND \*INSTALL RAIN SENSOR AS PER LOCAL CODE

WIRE SIZED AND COLORED AS FOLLOWS:

**#12 WHITE FOR COMMON** 

PIPES CONVEYING RECLAIM WATER SHALL HAVE A 3' HORIZONTAL DISTANCE SEPARATION FROM OTHER PIPING OR UTILITY SERVICES. AN 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN APPLICABLE.

AIR RELEASE VALVES TO BE USED AT THE END OF ALL MAINLINE RUNS.

ALL PIPES TO BE IN ACCORDANCE WITH APPENDIX F OF THE 2017 FLORIDA BUILDING CODE.

#### <u>WIRES</u>

LOW VOLTAGE WIRE TO BE INSTALLED ALONG MAINLINE INSTALLATION. USE 2" SCH. 40 PVC WITH SWEEP ELBOWS AT TURNING LOCATIONS WHEN SLEEVING IS REQUIRED. ALL SPLICES SHALL BE ENCLOSED WITHIN A VALVE/SPLICE BOX.

#12 SPARE BLACK COMMON (1 SPARE NEEDED PER 10 HOT WIRES) #14 SPARE YELLOW HOT WIRE (1 SPARES NEEDED PER 10 HOT WIRES, 3 SPARE MINIMUM)

WHEN WIRE RUNS EXCEEDS 3,500 LINEAR FEET, USE #10 FOR COMMON WIRES AND #12 FOR

**HOT/SPARE WIRES.** 

ALL IRRIGATION CONTROLLERS TO BE PROPERLY GROUNDED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.

#### **FLUSHING**

PRIOR TO PLACEMENT OF HEADS FLUSH ALL LINES UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS.

#### **TRENCHING**

TRENCH BOTTOM TO BE UNIFORM AND FREE OF DEBRIS. NATIVE EXCAVATED MATERIAL USED TO BACKFILL TRENCH SHALL BE FREE FROM ROCKS OR STONES LARGER THAN 1" IN DIAMETER.

PRESSURE TEST MAINLINE AS PER FLORIDA BUILDING CODE. INSTALL IRRIGATION SYSTEM AS PER LATEST EDITION OF THE FLORIDA BUILDING CODE, APPENDIX F., AND ALL PERTINENT LOCAL CODES.

SPRAY HEADS INSTALLED IN SHRUB AREAS TO BE 12 INCH POP-UPS OR INSTALLED ON RISERS.

#### **DESIGN**

THIS DESIGN IS DIAGRAMMATIC. ALL IRRIGATION EQUIPMENT SUCH AS PIPES, VALVES, , ETC., SHOWN WITHIN PERVIOUS AREAS ARE FOR DESIGN CLARIFICATION ONLY. THE IRRIGATION CONTRACTOR SHALL INSTALL IRRIGATION EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.

THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK, INCLUDING BUT NOT LIMITED TO GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, UTILITIES AND EXISTING IRRIGATION EQUIPMENT. THE IRRIGATION CONTRACTOR IS RESPONSIBLE SHALL REPAIR AND/OR REPLACE ANY DAMAGE CREATED BY THEIR WORK. THEY SHALL COORDINATE HIS WORK WITH OTHER CONTRACTOR OR MUNICIPAL AUTHORITIES FOR THE LOCATION AND INSTALLATION OF IRRIGATION EQUIPMENT UNDER ROADWAYS AND PAVING, SLEEVES THROUGH WALLS AND FLOORS, ETC.

INSTALL ALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SUBSTITUTIONS FOR IRRIGATION EQUIPMENT TO BE APPROVED BY THE IRRIGATION DESIGNER. EQUIPMENT CHANGES TO INCLUDE BUT NOT LIMITED TO PUMP, CONTROLLER, SPRAY HEADS, ROTORS, AND VALVES.

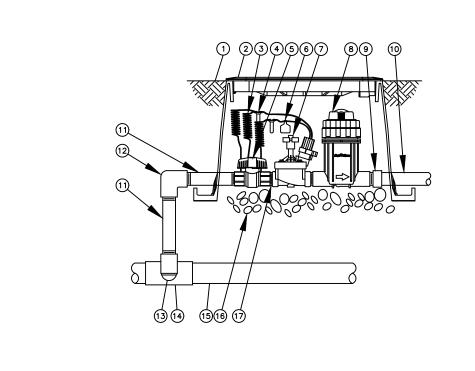
PUMP AND WELL

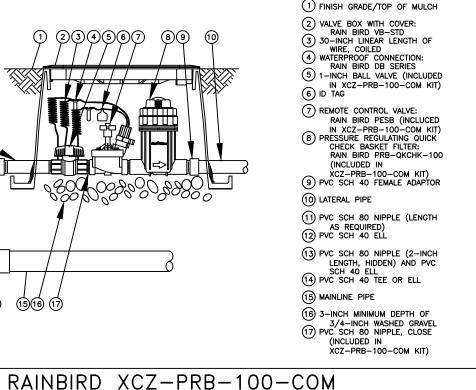
**LOCATION** 

DO NOT INSTALL IRRIGATION EQUIPMENT AS SHOWN ON THE DRAWINGS WHEN FIELD CONDITIONS DIFFER. OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY.

#### **EQUIPMENT TABLE**

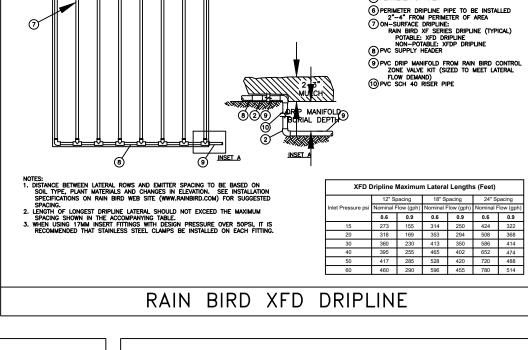
Backflow Preventers		Pipe (Latera	al)
Symbol	Description	Symbol	Description
7	Pressure Vacuum Breaker		Class 160 PVC (Lateral)
Controllers		Pipe (Mainli	ne)
Symbol	Description	Symbol	Description
A	Rainbird ESP-LXME		Schedule 40 PVC Pipe
R	Rain Sensor	Pipe (Sleeve	e)
rrigation H	leads	Symbol	Description
Symbol	Description	C=====D	Schedule 40 PVC Pipe
<b>(</b>	RAINBIRD 1800 R-VAN R08-14-08 90°	Valves	
	RAINBIRD 1800 R-VAN R08-14-08 180°	Symbol	Description
	RAINBIRD 1800 R-VAN R08-14-10 90°		Rainbird PGA Valve
$\bigcirc$	RAINBIRD 1800 R-VAN R08-14-10 180°		Rainbird XCZ-100-PRB-COM Valve
	RAINBIRD 1800 R-VAN R08-14-14 90°		Rainbird XCZ-150-PRB-COM Valve
	RAINBIRD 1800 R-VAN R08-14-14 180°		<u> </u>
	RAINBIRD 1800 R-VAN R13-18 90°	Water Mete	T
$\overline{\nabla}$	RAINBIRD 1800 R-VAN R13-18 180°	Symbol	Description
Ť	RAINBIRD 1800 R-VAN R13-18 360°	M	Proposed 2" Water Meter
À	RAINBIRD 1800 R-VAN R17-24 90°	Drip	
$\forall$	RAINBIRD 1800 R-VAN R17-24 180°	Symbol	Description
Ż	RAINBIRD 1800 R-VAN R17-24 360°	000000000000000000000000000000000000000	Rainbird XFD-09-18
Ď	RAINBIRD 1800 R-VAN R-VAN-STRIP EST°		
	DAINIDIDD 4000 DAVANI DAVANI OTDID COTO		





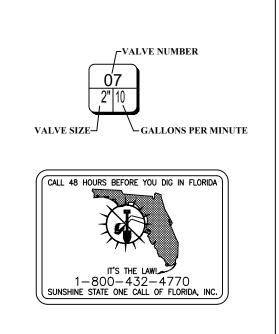
RAINBIRD 1800 R-VAN R-VAN-STRIP SST°

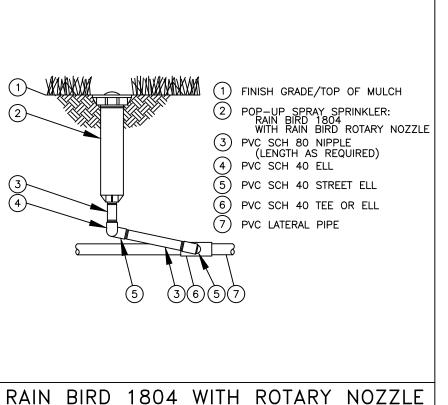
RAINBIRD 1400 Bubbler

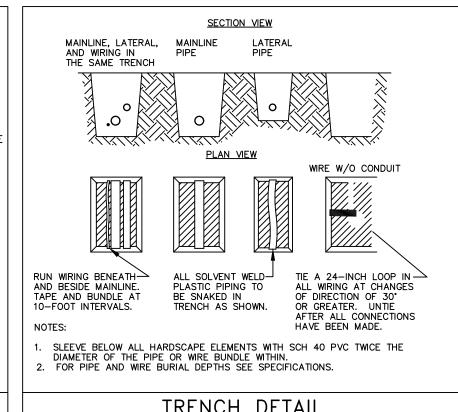


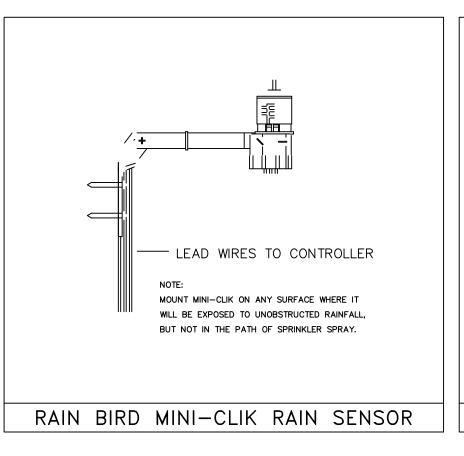
2 PVC SCH 40 TEE OR EL (TYPICAL)

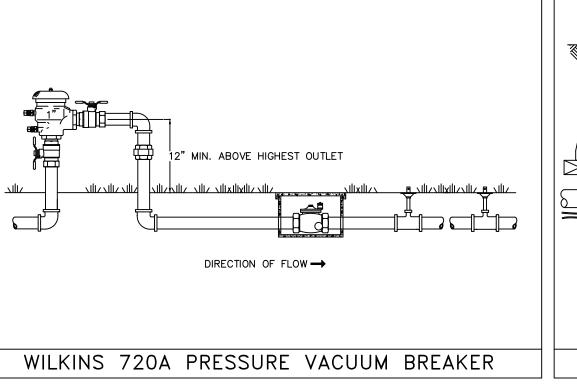
3 BARB X MALE FITTING:
RAIN BIRD XFF-MA FITTING (TYPICAL)
4 FLUSH POINT (TYPICAL)
SEE RAIN BIRD DETAIL "XFD FLUSH POINT"
5 PERIMETER OF AREA

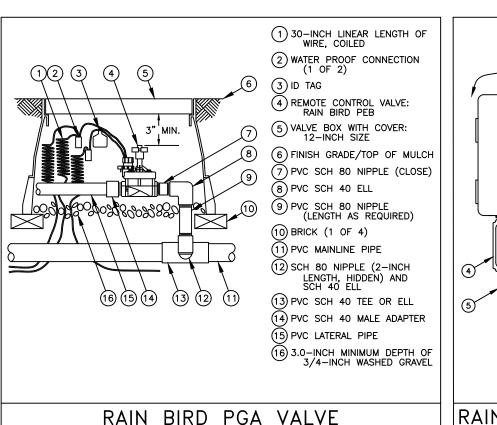


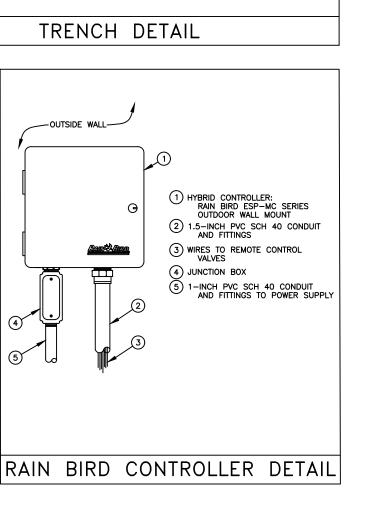


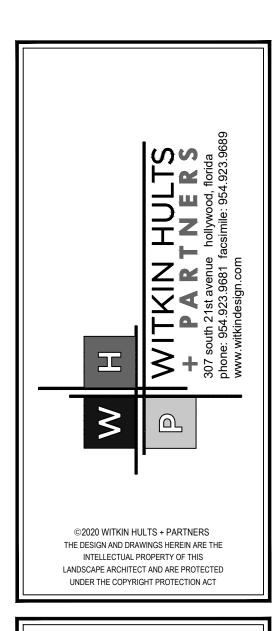




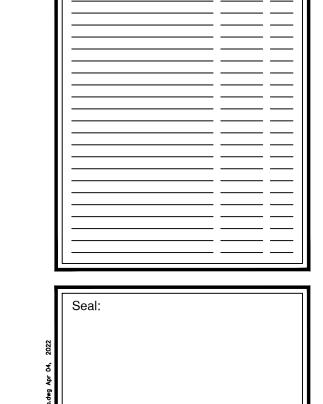








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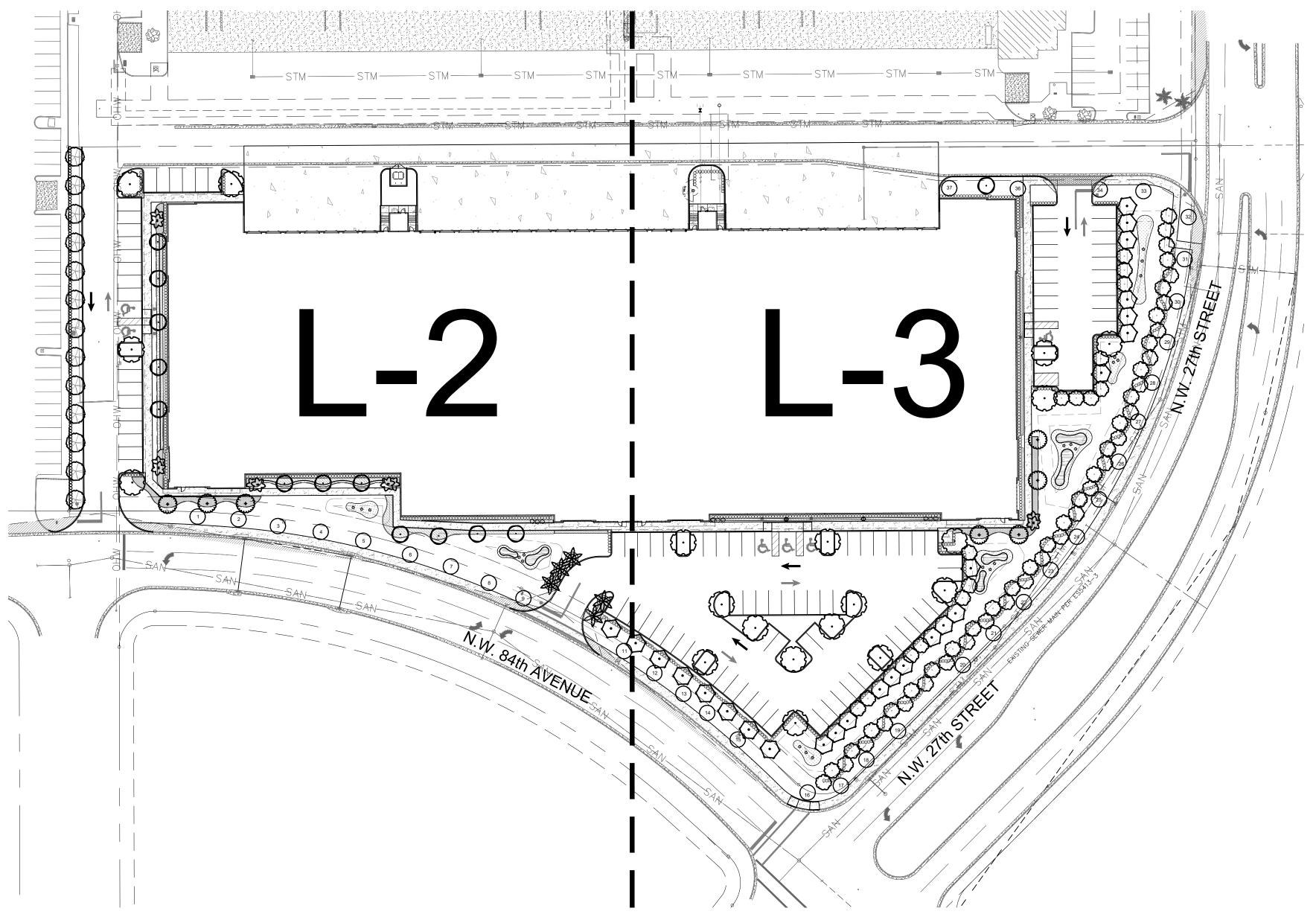


Date:

04.04.2022 AM

Member: A.S.L.A. **Drawing: Irrigation Details** Date: 01/11/2022 Scale: NTS Drawn by: AM Sheet No.: Cad Id.: 2022-007

Lic. # LA0000889





## SHEET INDEX:

- L-1 INDEX
- L-2 LANDSCAPE PLAN
- L-3 LANDSCAPE PLAN
- L-4 LANDSCAPE DETAILS
- TD-1 TREE DISPOSITION PLAN
- TD-2 TREE DISPOSITION LIST

Note: Trees to remain shall be root pruned under supervision by certified arborist and staked until arborist's recommendations.

LANDSCAPE LEGEND Information Required to be Pe	ermanently Affix	ed to Plan
Zoning District: <u>INDUSTRIAL</u> Ne	t Lot Area <u>5.70</u>	acres <u>248,292</u> s
OPEN SPACE	REQUIRED	PROVIDED
A. Square Feet of open space required by Chapter 71, as indicated on site position. Net lot area (total site)= <u>248,292</u> s.f. x <u>15</u> % = <u>37,244</u> s.		48,902
B. Square Feet of parking lot open space required by Chapter 71,		
as indicated on site plan:  No. outside/ground-level parking spaces (total site)110	1,100	1,100
x 10 s.f. per parking spaces = C. Total s.f. of landscaped open space required by Chapter 71: A + B =	38,354	40,002
LAWN AREA CALCULATION		
A. <u>38,354</u> total s.f. of landscaped open space required by Chapter 71  B. Maximum lawn area (sod) permitted = <u>20</u> % x <u>38,354</u> s.f. =	7,670 (max.)	6,853
TREES		
A. No. trees required per net lot acre  Less existing number of trees meeting minimum requirements		
= <u>15</u> trees x net lot acres =	86	86*
B. % Palms Allowed: No. trees required x 30% = [No Palms are Required]	25	5
C. % Natives Required: No. trees provided x 50% =	43	59
D. 80% of trees provided are in Miami-Dade Landscape Manual, Florida- Friendly Landscaping Guide to Plant Selection & Landscape Design and Sout Florida Water Management District Waterwise: South Florida Landscapes =	h 69	
E. Street trees (maximum average spacing of 35' o.c.): 1,070 linear feet along street =	31	31*
F. Street trees located directly beneath power lines (maximum average spacing of 25' o.c.): N/A linear feet along street / 25	5 = N/A	
G. Parking Area trees (1 tree per 80 s.f. of parking landscape area): 1,100 s.f. / 80 =	14	
G. Total Trees Required  A + E + F = 117 Total Trees	117	117*
SHRUBS	{	}
A. No. trees required x 10 = No. of shrubs allowed	1,170	
B. No. shrubs allowed $x 50\% = No.$ of native shrubs required	585	2,053

\*Includes 34 Existing Trees. See Tree Disposition Plan for exact species and size.

SEE LANDSCAPE

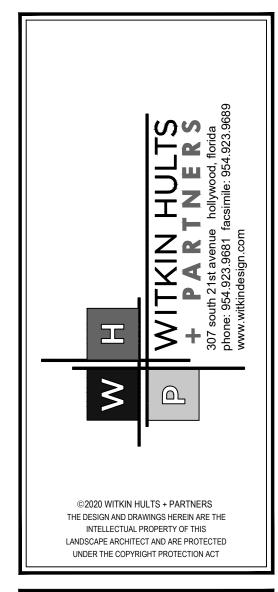
#### LANDSCAPE LIST

		TREES	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
<u> </u>		*Conocarpus erectus [PARKING ISLAND TREE]	14' HT. X 5' SPR. 4" CAL.
{.}	19	GREEN BUTTONWOOD	F.G.
کرریں		Tabebuia heterophylla	10' HT. X 5' SPR. 2.5" CAL.
£ + 3	7	PINK TRUMPET TREE	F.G.
		Elaeocarpus decipiens	10' HT. X 5' SPR. 2.5" CAL.
( · )	13	JAPANESE BLUEBERRY	F.G.
		*Ilex cassine	10' HT. X 5' SPR. 2.5" CAL.
	25	DAHOON HOLLY	F.G.
<u> </u>		*Coccoloba diversiflora	10' HT. X 5' SPR. 2.5" CAL.
	13	PIGEON PLUM	F.G.
	· · · · · · · · · · · · · · · · · · ·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6' HT. X 4' SPR.
}{	64	*Eugenia foetida [UNDERSTORY TREE] SPANISH STOPPER	
<u> </u>			F.G., FULL TO BASE 10' C.T.
	5	<pre>Phoenix sylvestris SILVER DATE PALM</pre>	F.G., MATCHED HTS.
~~~			·
<5.3	5	Veitchia montgomeryana 'double'	14'-16' O.A. HT., DOUBLE TRK
W		DOUBLE MONTGOMERY PALM	F.G., STAGGERED HTS.
		SHRUBS	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
^ D		Aechmea blanchettiana	9" POT
AB	9	BRIGHT YELLOW BROMELIAD	3' O.A. HT.
		*Conocarpus erectus	24" HT. X 24" SPR. / 24" O.C.
CE	712	GREEN BUTTONWOOD	3 GAL.
		Cordyline fruticosa 'Red Sister'	4' O.A. HT. 4PPP
CFR	2	TI PLANT	3 GAL.
			24" HT. X 24" SPR. / 24" O.C.
CG	127	*Clusia guttifera SMALL LEAF CLUSIA	3 GAL.
			18" HT. X 18" SPR. / 18" O.C.
CI	361	*Chrysobalanus icaco 'Red Tip' RED TIP COCOPLUM	3 GAL.
			18" HT. X 18" SPR. / 18" O.C.
CI2	132	*Chrysobalanus icaco GREEN COCOPLUM	3 GAL.
DE	72	Duranta erecta 'Gold Mound'	18" HT. X 18" SPR. / 18" O.C. 3 GAL.
		GOLD MOUND DURANTA	
HL	21	*Hymenocallis latifolia	24" HT. X 24" SPR.
		SPIDER LILY	3 GAL.
HP	369	*Hamelia patens 'compact'	24" HT. X 24" SPR. / 24" O.C.
		DWARF FIREBUSH	3 GAL.
SA	221	Schefflera arboricola	18" HT. X 18" SPR. / 18" O.C.
		GREEN SCHEFFLERA	3 GAL.
SV	372	Schefflera arboricola 'Trinette'	18" HT. X 18" SPR. / 18" O.C.
	012	VARIEGATED SCHEFFLERA	3 GAL.
MC	204	*Muhlenbergia capillaris	24" HT. X 24" SPR. / 24" O.C.
<u> </u>	204	PINK MUHLY GRASS	3 GAL.
\( \( \)	127	*Viburnum obovatum	24" HT. X 24" SPR. / 24" O.C.
VO	121	WALTER'S VIBURNUM	3 GAL.
		GROUNDCOVERS	
CVMDOL	OLIANI		DECODIDATION
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
FM	346	Ficus microcarpa 'Green Island'	15" HT. X 15" SPR. / 15" O.C.
		GREEN ISLAND FICUS	3 GAL.
LAWN	As	Stenotaphrum secundatum 'Floratam'	SOLID EVEN SOD
	Required	ST. AUGUSTINE GRASS	
SOD	As	Paspalum notatum	SOLID EVEN SOD
	Required	ARGENTINE BAHIA GRASS	· · · · · · · · · · · · · · · · · · ·

Tree	Mitigation Chart		
Mitigation Type	<b>Credit Obtained</b>	Quantity	Total
Shade Tree Type 1 (12' Ht.)	500	19	9,500.0

	Square Footage Removed:		2,318.60
	Total Credit Obtained		41,200.00
Small Tree (6' Ht.)	200	64	12,800.00
Palm Tree Type 2 (3' Trunk)	100	Q	
Palm Tree Type 1 (10' Trunk)	300	5	1,500.00
Shade Tree Type 2 (8' Ht.)	300	58	17,400.00
Shade Tree Type 1 (12' Ht.)	500	19	9,500.00

SOUTH BUFFERYARD DESIGN TYPE 9		
484 linear feet	REQ.	PROV.
Shade Tree: 10 trees / 100 linear feet	40	40
Understory Tree: 16 trees / 100 linear feet	64	64
Shrubs: 100 shrubs / 100 linear feet	400	400



FOUNDRY - TRANSAL

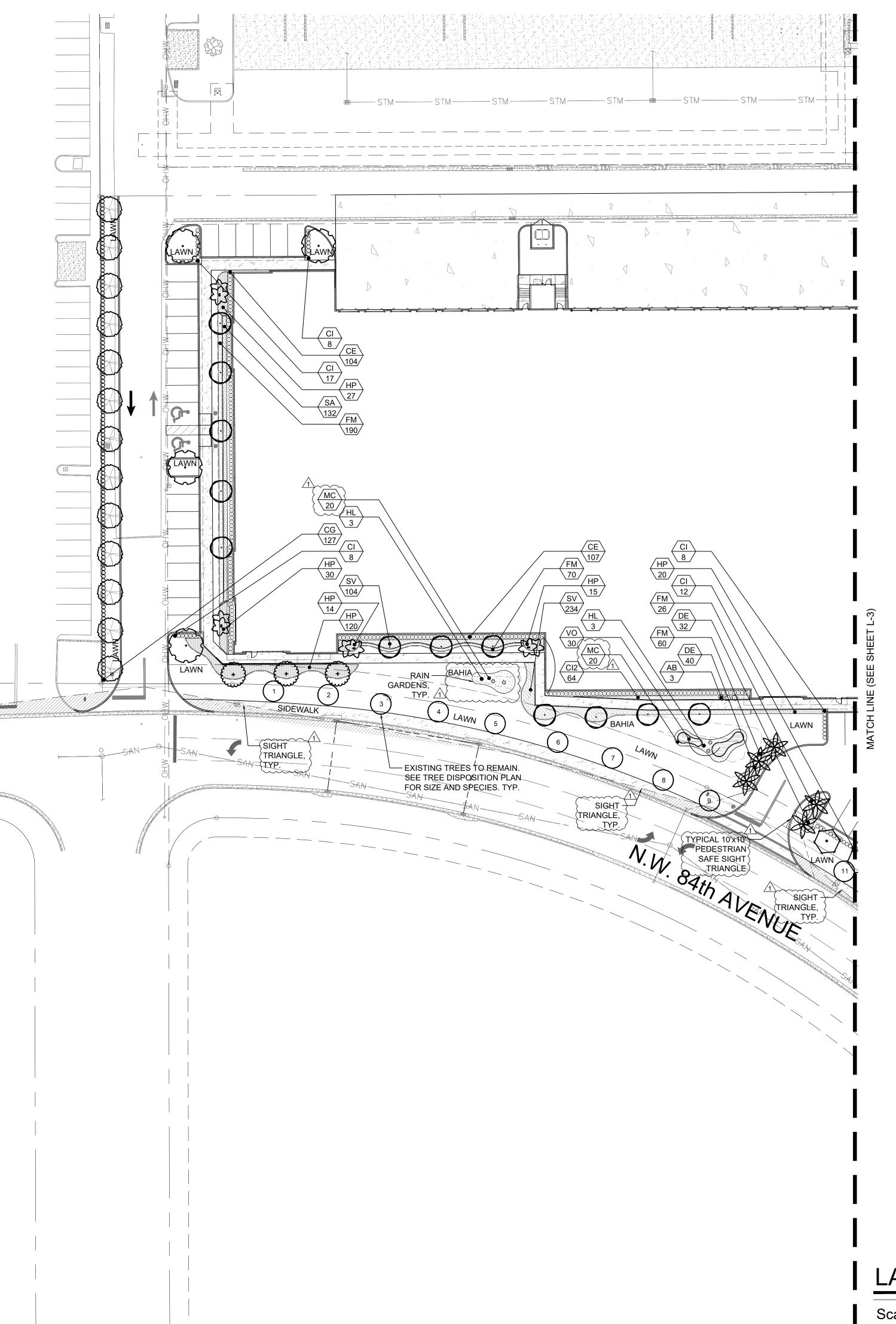
DORAL, FLORIDA

LANDSCAPE PLAN- INDEX

Revisions:	Date:	Ву
1) City Comments	04.04.2022	
2) Arborist Coord.	05.05.2022	AM
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Seal:	
Lic. # LA0000889	
Member: A.S.L.A.	

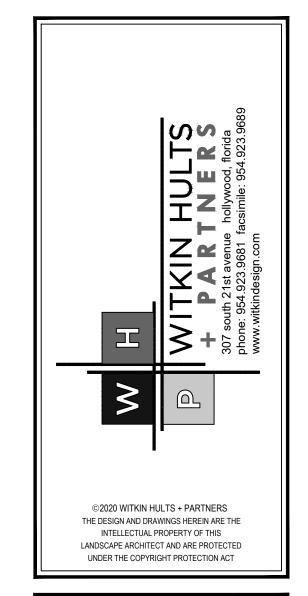
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	Drawing: Index	
l	Date: 01/11/2022	
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	Cad Id.: 2022-007	



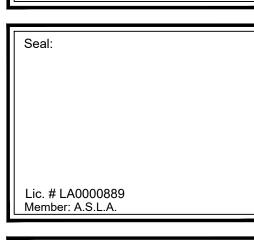
#### LANDSCAPE LIST

		TREES	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
,5~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		*Conocarpus erectus [PARKING ISLAND TREE]	14' HT. X 5' SPR. 4" CAL.
{·}	19	GREEN BUTTONWOOD	F.G.
<del>ر</del> رسی		Tabebuia heterophylla	10' HT. X 5' SPR. 2.5" CAL.
£ + }	7	PINK TRUMPET TREE	F.G.
		Elaeocarpus decipiens	10' HT. X 5' SPR. 2.5" CAL.
$(\cdot)$	13	JAPANESE BLUEBERRY	F.G.
		*Ilex cassine	10' HT. X 5' SPR. 2.5" CAL.
	25	DAHOON HOLLY	F.G.
	13	*Coccoloba diversiflora	10' HT. X 5' SPR. 2.5" CAL.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	PIGEON PLUM	F.G.
	64	*Eugenia foetida [UNDERSTORY TREE]	6' HT. X 4' SPR.
<u> </u>		SPANISH STOPPER	F.G. FULL TO BASE
	5	Phoenix sylvestris	10' C.T.
200		SILVER DATE PALM	F.G., MATCHED HTS.
A.J.	5	Veitchia montgomeryana 'double'	14'-16' O.A. HT., DOUBLE TRK.
W		DOUBLE MONTGOMERY PALM	F.G., STAGGERED HTS.
		SHRUBS	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
		Aechmea blanchettiana	9" POT
AB	9	BRIGHT YELLOW BROMELIAD	3' O.A. HT.
		*Conocarpus erectus	24" HT. X 24" SPR. / 24" O.C.
CE	₹ 712	GREEN BUTTONWOOD	3 GAL.
	2		4' O.A. HT. 4PPP
CFR		Cordyline fruticosa 'Red Sister'	3 GAL.
		TI PLANT	
CG	127	*Clusia guttifera	24" HT. X 24" SPR. / 24" O.C. 3 GAL.
	~~~~	SMALL LEAF CLUSIA	
CI	361	*Chrysobalanus icaco 'Red Tip'	18" HT. X 18" SPR. / 18" O.C.
		RED TIP COCOPLUM	3 GAL.
CI2	132	*Chrysobalanus icaco	18" HT. X 18" SPR. / 18" O.C.
	102	GREEN COCOPLUM	3 GAL.
DE	72	Duranta erecta 'Gold Mound'	18" HT. X 18" SPR. / 18" O.C.
	12	GOLD MOUND DURANTA	3 GAL.
HL		*Hymenocallis latifolia	24" HT. X 24" SPR.
111	21	SPIDER LILY	3 GAL.
Пυ	200	*Hamelia patens 'compact'	24" HT. X 24" SPR. / 24" O.C.
HP	369	DWARF FIREBUSH	3 GAL.
<u> </u>	22.1	Schefflera arboricola	18" HT. X 18" SPR. / 18" O.C.
SA	221	GREEN SCHEFFLERA	3 GAL.
O) /		Schefflera arboricola 'Trinette'	18" HT. X 18" SPR. / 18" O.C.
SV	372	VARIEGATED SCHEFFLERA	3 GAL.
	<b></b>	*Muhlenbergia capillaris	24" HT. X 24" SPR. / 24" O.C.
<sub>₹</sub> MC	204	PINK MUHLY GRASS	3 GAL.
\		*Viburnum obovatum	
VO	127		24" HT. X 24" SPR. / 24" O.C.
		WALTER'S VIBURNUM	3 GAL.
		GROUNDCOVERS	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
<b></b>	0.40	Ficus microcarpa 'Green Island'	15" HT. X 15" SPR. / 15" O.C.
FM	346	GREEN ISLAND FICUS	3 GAL.
1 414/41	Λ -	Stenotaphrum secundatum 'Floratam'	
LAWN	As Required	ST. AUGUSTINE GRASS	SOLID EVEN SOD
	•		
SOD	As Required	Paspalum notatum ARGENTINE BAHIA GRASS	SOLID EVEN SOD
	i veguileti	ARGENTINE BANIA GRASS	

<sup>&</sup>quot; DENOTES NATIVE SPECIES

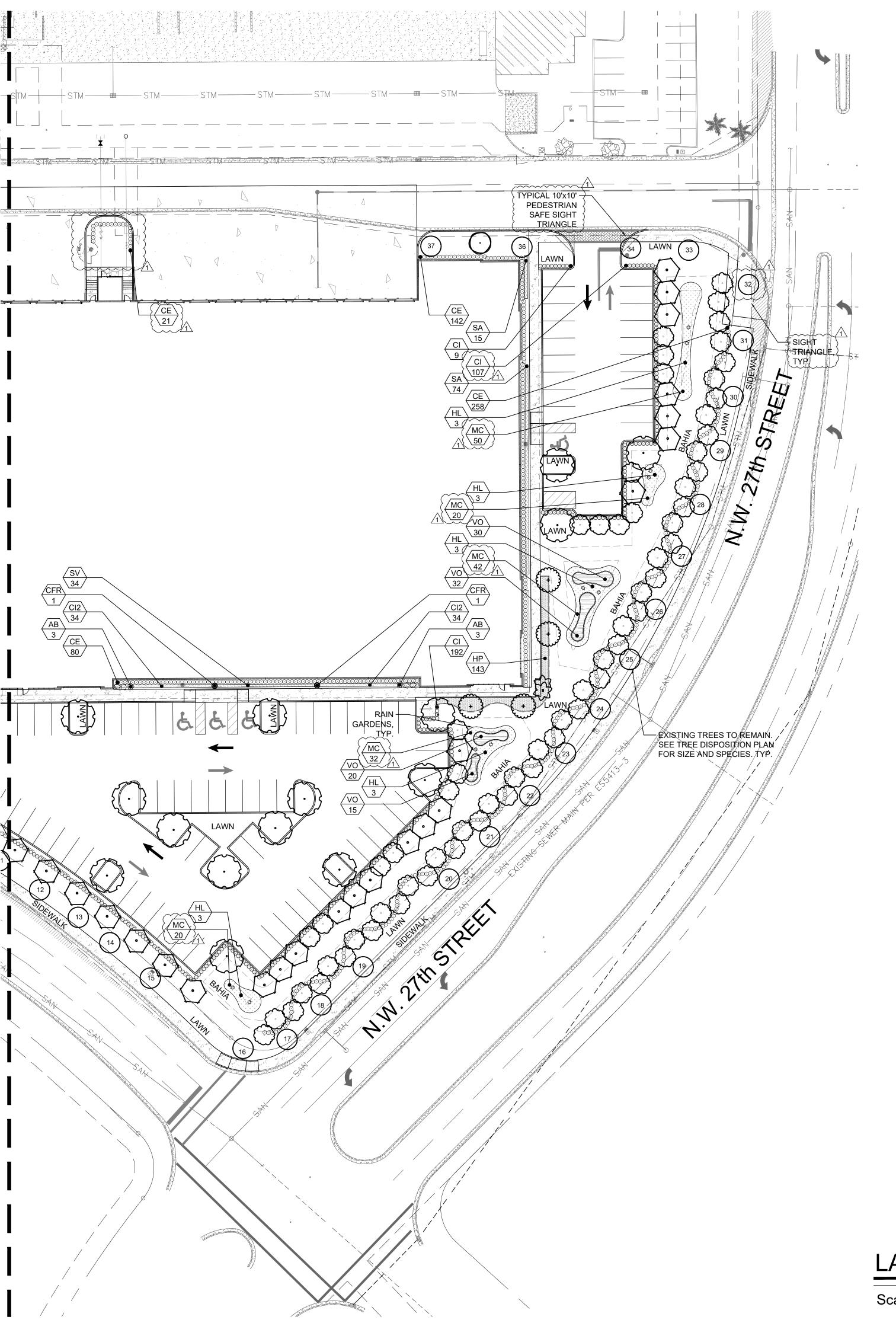


Revisions:	Date:	Ву
1) City Comments	04.04.2022	
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	Cad Id.: 2022-007

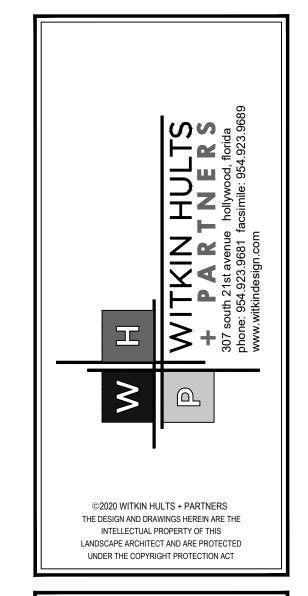
LANDSCAPE PLAN NORTH Scale: 1" = 30'-0"



#### LANDSCAPE LIST

		TREES	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
<u> </u>	·	*Conocarpus erectus [PARKING ISLAND TREE]	14' HT. X 5' SPR. 4" CAL.
{ · }	19	GREEN BUTTONWOOD	F.G.
رسي		Tabebuia heterophylla	10' HT. X 5' SPR. 2.5" CAL.
{ + }	7	PINK TRUMPET TREE	F.G.
			10' HT. X 5' SPR. 2.5" CAL.
	13	Elaeocarpus decipiens	
$\overline{}$		JAPANESE BLUEBERRY	F.G.
	25	*Ilex cassine	10' HT. X 5' SPR. 2.5" CAL.
	-	DAHOON HOLLY	F.G.
	13	*Coccoloba diversiflora	10' HT. X 5' SPR. 2.5" CAL.
	10	PIGEON PLUM	F.G.
	64	*Eugenia foetida [UNDERSTORY TREE]	6' HT. X 4' SPR.
(Charles of the Control of the Contr	U <del>T</del>	SPANISH STOPPER	F.G. FULL TO BASE
	5	Phoenix sylvestris	10' C.T.
	)	SILVER DATE PALM	F.G., MATCHED HTS.
M	_	Veitchia montgomeryana 'double'	14'-16' O.A. HT., DOUBLE TR
W	5	DOUBLE MONTGOMERY PALM	F.G., STAGGERED HTS.
	1	SHRUBS	
CVANDOL	OLIANI		DECODIDITION
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
AB	9	Aechmea blanchettiana	9" POT
		BRIGHT YELLOW BROMELIAD	3' O.A. HT.
CE	712	*Conocarpus erectus	24" HT. X 24" SPR. / 24" O.C.
		GREEN BUTTONWOOD	3 GAL.
CFR	2	Cordyline fruticosa 'Red Sister'	4' O.A. HT. 4PPP
	_	TI PLANT	3 GAL.
CG	127	*Clusia guttifera	24" HT. X 24" SPR. / 24" O.C.
	121	SMALL LEAF CLUSIA	3 GAL.
CI	361	*Chrysobalanus icaco 'Red Tip'	18" HT. X 18" SPR. / 18" O.C.
O1	301	RED TIP COCOPLUM	3 GAL.
CI2	132	*Chrysobalanus icaco	18" HT. X 18" SPR. / 18" O.C.
OIZ		GREEN COCOPLUM	3 GAL.
DE	70	Duranta erecta 'Gold Mound'	18" HT. X 18" SPR. / 18" O.C.
DE	72	GOLD MOUND DURANTA	3 GAL.
		*Hymenocallis latifolia	24" HT. X 24" SPR.
HL	21	SPIDER LILY	3 GAL.
		*Hamelia patens 'compact'	24" HT. X 24" SPR. / 24" O.C.
HP	369	DWARF FIREBUSH	3 GAL.
		Schefflera arboricola	18" HT. X 18" SPR. / 18" O.C.
SA	221	GREEN SCHEFFLERA	3 GAL.
SV	372	Schefflera arboricola 'Trinette'	18" HT. X 18" SPR. / 18" O.C. 3 GAL.
		VARIEGATED SCHEFFLERA	
√ MC	204	*Muhlenbergia capillaris	24" HT. X 24" SPR. / 24" O.C.
<u>\</u>		PINK MUHLY GRASS	3 GAL.
VO	127	*Viburnum obovatum	24" HT. X 24" SPR. / 24" O.C.
v O		WALTER'S VIBURNUM	3 GAL.
		GROUNDCOVERS	
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
		Ficus microcarpa 'Green Island'	15" HT. X 15" SPR. / 15" O.C.
FM	346	GREEN ISLAND FICUS	3 GAL.
			O O/ NE.
LAWN	As	Stenotaphrum secundatum 'Floratam'	SOLID EVEN SOD
	Required	ST. AUGUSTINE GRASS	
SOD	As	Paspalum notatum	SOLID EVEN SOD
	Required	ARGENTINE BAHIA GRASS	

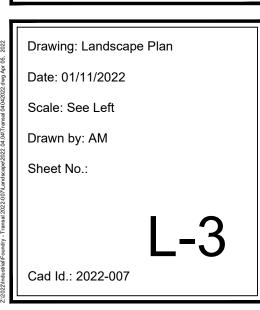
<sup>\*</sup> DENOTES NATIVE SPECIES



FOUNDRY - TRANSAL
DORAL, FLORIDA

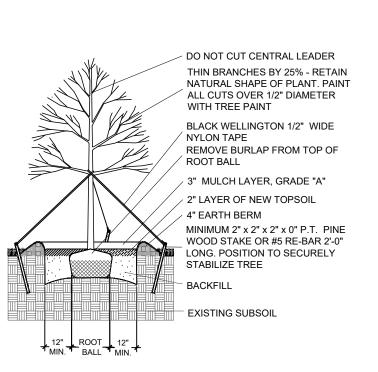
Revisions:	Date:	В
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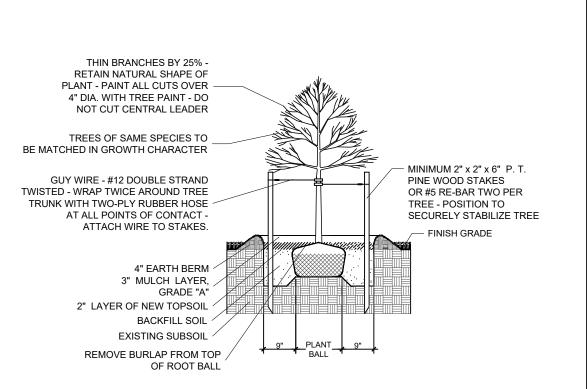
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Lic. # LA0000889 Member: A.S.L.A.	

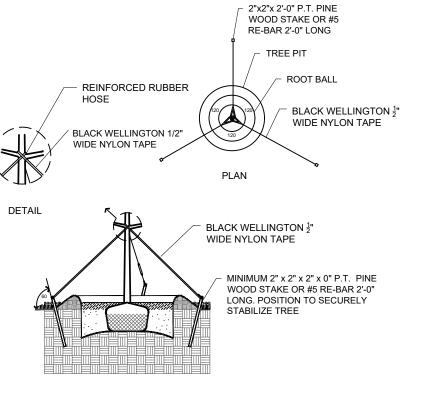


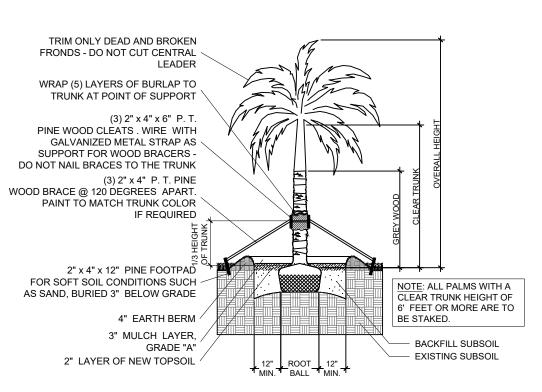
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NORTH







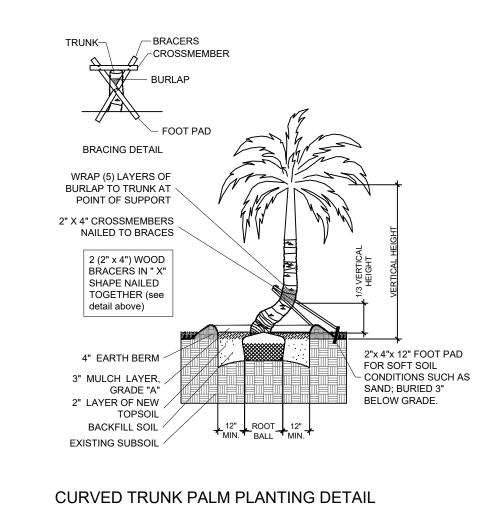


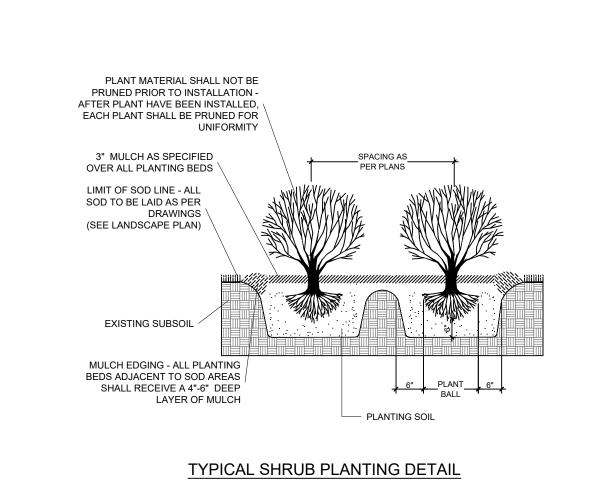
LARGE TREE PLANTING DETAIL

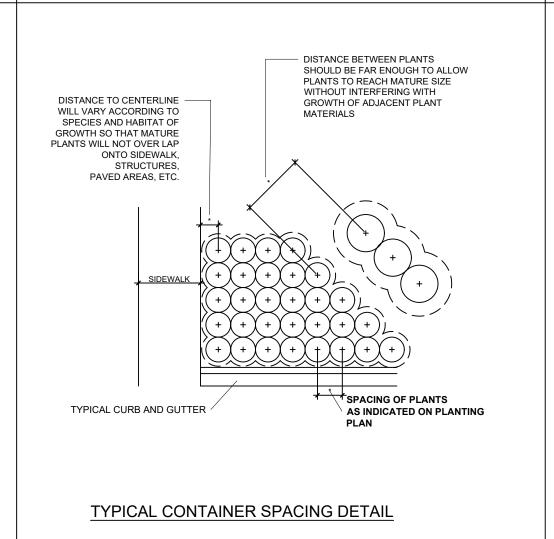
SMALL TREE PLANTING DETAIL

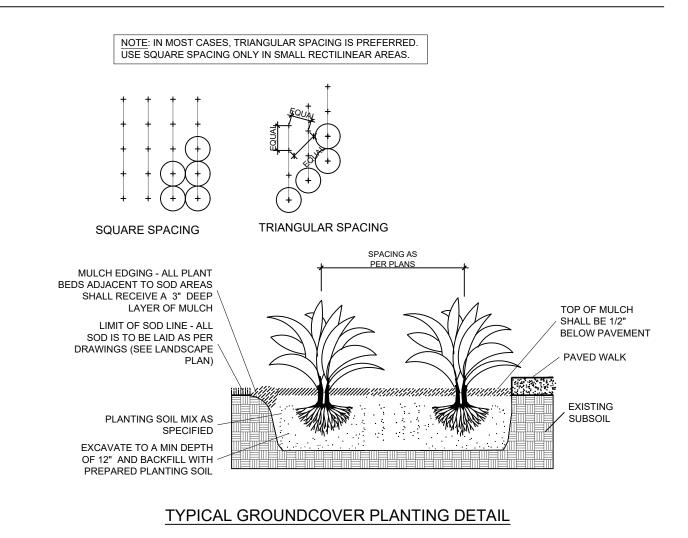
TYPICAL TREE GUYING DETAIL

STRAIGHT TRUNK PALM PLANTING DETAIL









**PLANTING NOTES:** 

-All plant material is to be Florida Number 1 or better pursuant to the Florida Department of Agriculture's Grades and Standards for Nursery Plants.

-All plants are to be top dressed with a minimum 3" layer of Melaleuca mulch, Eucalyptus mulch or equal.

-Planting plans shall take precedence over plant list in case of discrepancies.

-No changes are to be made without the prior consent of the Landscape Architect and Owner. Additions and or deletions to the plant material must be approved by the project engineer.

-Landscape Contractor is responsible for providing their own square footage takeoffs and field verification for 100% sod coverage for all areas specified.

- All landscape areas are to be provided with automatic sprinkler system which provide 100% coverage, and 50% overlap.
- All trees in lawn areas are to receive a 24" diameter mulched saucer at the base of the trunk.
- Trees are to be planted within parking islands after soil is brought up to grade. Deeply set root balls are not acceptable.

- Planting soil for topsoil and backfill shall be 50/50 mix, nematode free. Planting soil for annual beds to be comprised of 50% Canadian peat moss, 25% salt free coarse sand and 25% Aerolite.

- Tree and shrub pits will be supplemented with "Agriform Pells", 21 gram size with a 20-10-5 analysis, or substitute application accepted by Landscape Architect. Deliver in manufacturer's standard containers showing weight, analysis and name of manufacturer.

#### **SOD NOTES:**

-Sod is to be grade "A" weed free.

-All areas marked "LAWN" shall be solid sodded with St. Augustine 'Floratam' solid sod. See limit on plan. All areas marked 'Bahia Grass' shall be solid sodded with Paspalum.

-Provide a 2" deep blanket of planting soil as described in planting notes this sheet. Prior to planting, remove stones, sticks, etc. from the sub soil surface. Excavate existing non-conforming soil as required so that the finish grade of sod is flush with adjacent pavement or top of curb as well as adjacent sod in the case of sod patching.

-Place sod on moistened soil, with edges tightly butted, in staggered rows at right angles to slopes.

-Keep edge of sod bed a minimum of 18" away from groundcover beds and 24" away from edge of shrub beds and 36" away from trees, measured from center of plant.

-Sod Shall be watered immediatley after installation to uniformily wet the soil to at least 2" below the bottom of the sod strips

-Excavate and remove excess soil so top of sod is flush with top of curb or adjacent pavement or adjacent existing

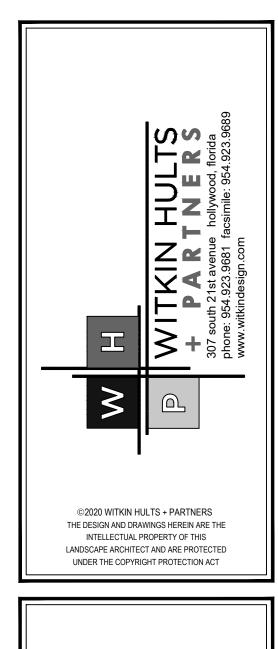
#### **GENERAL NOTES:**

-The Landscape Contractor is to locate and verify all underground and overhead utilities prior to beginning work. Contact proper utility companies and / or General Contractor prior to digging for field verification. The Owner and the Landscape Architect shall not be responsible for any damages to utility or irrigation lines (see Roadway Plans for more utility notes).

-Landscape Contractor is to verify all current drawings and check for discrepancies and bring to the attention of the Landscape Architect prior to commencing with the work.

-All unattended and unplanted tree pits are to be properly barricaded and flagged during installation.

-All planting plans are issued as directives for site layout. Any deviations, site changes, etcetera are to be brought to the attention of the Landscape Architect for clarification prior to installation.

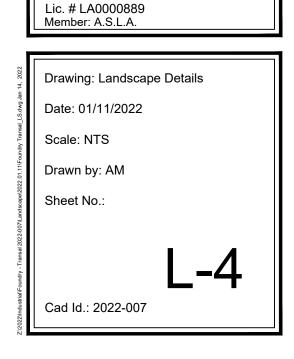


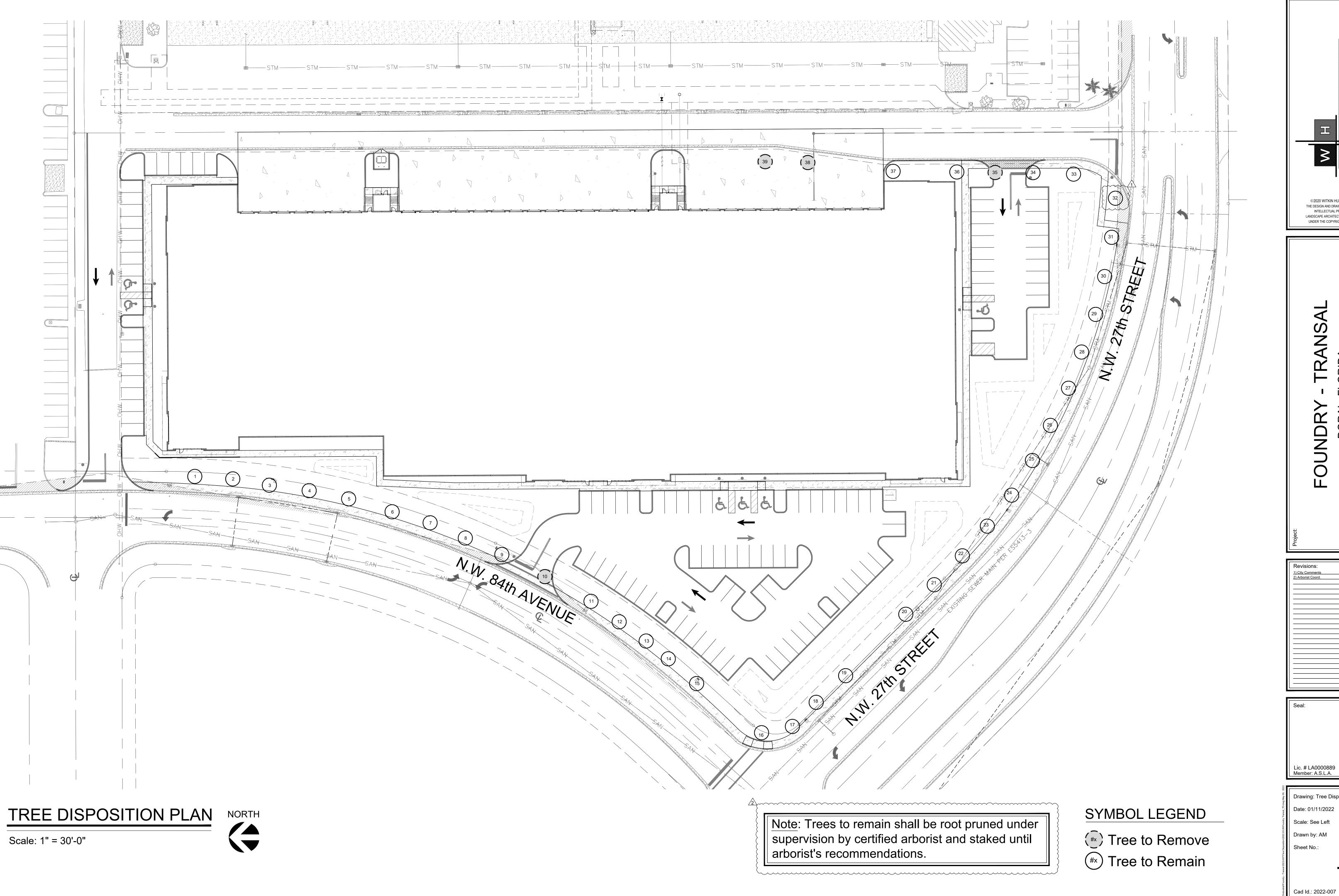
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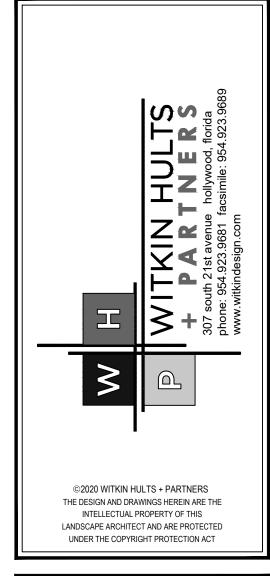
DORAL, FLORIDA

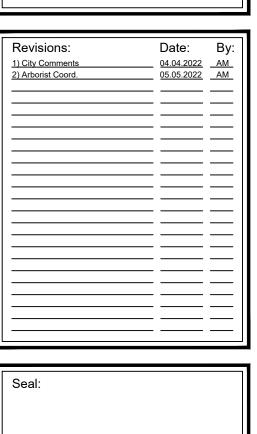
LANDSCAPE DETAILS

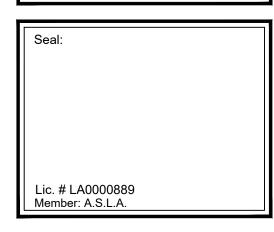
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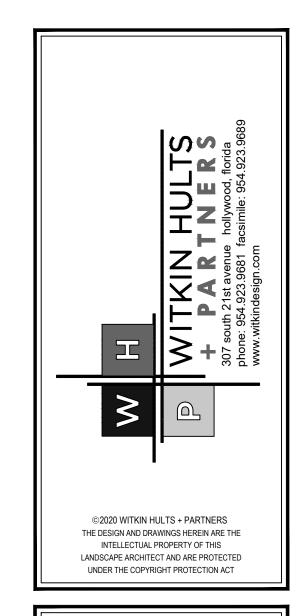






TD-1

Tree #	Scientific Name	Common Name	DBH - in.	DBH- in.	Height - ft.	Canopy	Canopy	Condition	Disposition
				Lg'est Trunk	(Palms - CT)	Diameter (Ft)	Sq. Ft.		2000
1	Quercus virginiana	live oak	25		35	50		Fair	REMAIN
2	Quercus virginiana	live oak	15.5		30	36		Good	REMAIN
3	Quercus virginiana	live oak	16.5		35	42		Good	REMAIN
4	Quercus virginiana	live oak	19.5		35	32		Fair	REMAIN
5	Quercus virginiana	live oak	22.5		35	36		Good	REMAIN
6	Quercus virginiana	live oak	11.5		35	26		Fair	REMAIN
7	Quercus virginiana	live oak	21		40	40		Good	REMAIN
8	Quercus virginiana	live oak	12		30	30		Good	REMAIN
9	Quercus virginiana	live oak	22.5		35	42		Fair	REMAIN
10	Quercus virginiana	live oak	11		35	24	452.4	Good	REMOVE
11	Quercus virginiana	live oak	28.5		38	48		Fair	REMAIN
12	Quercus virginiana	live oak	7		30	28		Fair	REMAIN
13	Quercus virginiana	live oak	17.5		35	30		Good	REMAIN
14	Quercus virginiana	live oak	26.5		32	30		Poor	REMAIN
15	Quercus virginiana	live oak	15		32	32		Fair	REMAIN
16	Quercus virginiana	live oak	24		35	40		Good	REMAIN
17	Quercus virginiana	live oak	18		35	30		Good	REMAIN
18	Quercus virginiana	live oak	10		28	24		Fair	REMAIN
19	Quercus virginiana	live oak	10.5		28	24		Fair	REMAIN
20	Quercus virginiana	live oak	24		40	54		Fair	REMAIN
21	Quercus virginiana	live oak	16		35	48		Good	REMAIN
22	Quercus virginiana	live oak	23		40	42		Good	REMAIN
23	Quercus virginiana	live oak	15		38	40		Good	REMAIN
24	Quercus virginiana	live oak	13.5		35	28		Fair	REMAIN
25	Quercus virginiana	live oak	24.5		40	38		Good	REMAIN
26	Quercus virginiana	live oak	27.5		40	42		Good	REMAIN
27	Quercus virginiana	live oak	18		30	24		Poor	REMAIN
28	Quercus virginiana	live oak	32		45	60		Fair	REMAIN
29	Quercus virginiana	live oak	15		30	30		Fair	REMAIN
30	Quercus virginiana	live oak	20.5		38	36		Good	REMAIN
31	Quercus virginiana	live oak	21.5		40	36		Good	REMAIN 1
32	Quercus virginiana	live oak	21		38	40		Poor	REMAIN
33	Quercus virginiana	live oak	23		40	42		Fair	REMAIN
34	Quercus virginiana	live oak	24.5		40	48		Fair	REMAIN
35	Quercus virginiana	live oak	16.5		30	30	706.9	Fair	REMOVE
36	Quercus virginiana	live oak	19		35	36		Poor	REMAIN
37	Quercus virginiana	live oak	18.5		35	40		Fair	REMAIN
38	Quercus virginiana	live oak	Multi (17)	9	28	30	706.9	Fair	REMOVE
39	Quercus virginiana	live oak	12.5		30	24	452.4	Fair	REMOVE
						Total Canopy Removed[S.F.]:	2,318.60	1	



# **TRANSAL** TREE DISPOSITION PLAN FLORIDA

DORAL, FOUNDRY

Revisions:	Date:	Ву
1) City Comments	04.04.2022	AM

