

ATTACHMENT A
Application Package
Part III

4220 & 4231 N 58th AVENUE
HOLLYWOOD, FL 33021
SECTION 1, TOWNSHIP 51S, RANGE 41E
PARCEL ID Nos. 5141-01-14-0010 & 5141-01-14-0010

KUSHNER

PARCEL A, "58 OAK", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 183, PAGE 299, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

TOGETHER WITH

A PORTION OF LOT 1, "SEMINOLE ESTATES", ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 21, PAGE 15, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 01°45'12" WEST ALONG THE WEST LINE OF SAID LOT 1 FOR 199.83 FEET TO THE NORTHEAST CORNER OF LOT 2 OF SAID "SEMINOLE ESTATES"; THENCE SOUTH 88°14'48" WEST ALONG THE NORTH LINE OF SAID LOT 2 FOR 13.34 FEET; THENCE NORTH 01°45'12" WEST 196.14 FEET TO A POINT ON THE NORTHERLY LINE OF SAID LOT 1 AND THE SOUTHWEST CORNER OF LOT 10 OF SAID "SEMINOLE ESTATES"; THENCE ALONG THE NORTHERLY, EASTERLY, AND SOUTHERLY BOUNDARIES OF SAID LOT 1, THE FOLLOWING SIX COURSES AND DISTANCES: 1) NORTH 84°10'08" EAST 290.56 FEET; 2) SOUTH 05°49'52" EAST 69.53 FEET; 3) NORTH 84°10'08" EAST 248.23 FEET; 4) SOUTH 14°51'09" WEST 324.91 FEET TO A POINT OF CURVATURE OF A CIRCULAR CURVE TO THE RIGHT; 5) SOUTHWESTERLY ALONG THE ARC OF SAID CURVE, HAVING A RADIUS OF 75.00 FEET, A CENTRAL ANGLE OF 73°23'39" FOR AN ARC LENGTH OF 96.07 FEET TO A POINT OF TANGENCY; 6) SOUTH 88°14'48" WEST 364.30 FEET TO THE POINT OF BEGINNING.

SAID LANDS LYING AND BEING IN THE CITY OF HOLLYWOOD, BROWARD COUNTY, FLORIDA, CONTAINING 249,853 SQUARE FEET (5.7359 ACRES) MORE OR LESS

		5/6/2025			
SHEET NAME:	SHEET NUMBER:				
COVER SHEET	C-1.0	●			
GENERAL NOTES	C-2.0	●			
DEMOLITION PLAN	C-3.0	●			
SITE DETAILS	C-4.0	●			
SITE DETAILS	C-4.1	●			
SITE DETAILS	C-4.2	●			
STORMWATER POLLUTION PLAN	SWPP-1.0	●			
STORMWATER POLLUTION PLAN	SWPP-2.0	●			
STORMWATER POLLUTION PLAN	SWPP-3.0	●			
STORMWATER POLLUTION PLAN	SWPP-4.0	●			
STORMWATER POLLUTION PLAN	SWPP-5.0	●			
PAVING, GRADING & DRAINAGE PLAN	PD-1.0	●			
PAVING, GRADING & DRAINAGE DETAILS	PD-2.0	●			
PAVING, GRADING & DRAINAGE DETAILS	PD-2.1	●			
SECTIONS	PD-3.0	●			
DRIVEWAY PROFILES	PD-4.0	●			
PAVEMENT MARKING & SIGNAGE PLAN	PMS-1.0	●			
PAVEMENT MARKING & SIGNAGE PLAN (GARAGE)	PMS-1.1	●			
PAVEMENT MARKING & SIGNAGE PLAN DETAILS	PMS-2.0	●			
UTILITY PLAN	U-1.0	●			
UTILITY PLAN	U-1.1	●			
UTILITY DETAILS	U-2.0	●			
UTILITY DETAILS	U-2.1	●			
UTILITY DETAILS	U-2.2	●			
UTILITY DETAILS	U-2.3	●			
UTILITY DETAILS	U-2.4	●			
UTILITY DETAILS	U-2.5	●			
PRIVATE LIFT STATION DETAIL	U-3.0	●			
PRIVATE LIFT STATION DETAIL	U-3.1	●			
CIRCULATION PLAN	CIR-1.0	●			
CIRCULATION PLAN	CIR-1.1	●			

Michael Troxell

Digitally signed by Michael Troxell
Date: 2025.06.30 14:16:28
+04'00'

COVER SHEET

SHEET NUMBER:

C-1.0

PROJECT NOTES

- A. IF A CONFLICT BETWEEN THE PLANS, STANDARDS AND GENERAL NOTES AND THE CITY OF HOLLYWOOD UTILITY STANDARDS AND DETAILS, THE MORE STRINGENT SHALL APPLY.
- B. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE CONFORMANCE TO THESE REQUIREMENTS BY ALL SUBCONTRACTORS.
- C. WATER AND SEWER UTILITY PROVIDER FOR THIS PROJECT IS THE CITY OF HOLLYWOOD UTILITY DEPARTMENT.

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION UNLESS NOTED OTHERWISE IN THE PLANS. SHOULD A CONFLICT EXIST BETWEEN THE PLANS AND THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE MORE STRINGENT SHALL APPLY.
- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

BOUNDARY AND TOPOGRAPHIC SURVEY AT LAMPS LAND SITE SURVEY, HOLLYWOOD OAKS SITE, PREPARED BY PULICE LAND SURVEYORS, INC, DATED 6/30/21.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT HEISHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE.

ALL HANDICAPPED PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) CODE 42 U.S.C § 12101 ET SEQ. AND 42 U.S.C § 4151 ET SEQ), FLORIDA ACCESSIBILITY CODE (LATEST EDITION), OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE CONSTRUCTED.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE REQUIREMENTS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION OVER THIS PROJECT.
- THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- THESE PLANS ARE BASED ON INFORMATION PROVIDED TO THOMAS ENGINEERING GROUP BY THE OWNER AND OTHERS. PRIOR TO COMMENCEMENT OF ANY WORK, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THOMAS ENGINEERING GROUP, LLC IN WRITING IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR RE-WORK FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR RE-WORK DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS.
- CONTRACTOR SHALL UTILIZE THE ARCHITECTURAL/BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY CONNECTION LOCATIONS AND ELEVATIONS. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND ENGINEER OF ANY DISCREPANCIES IN WRITING PRIOR TO COMMENCEMENT OF WORK IF THERE ARE ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL/BUILDING PLANS. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR RE-WORK AFTER COMMENCEMENT OF WORK.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT AND CONTIGUOUS STRUCTURES.
- THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT STRUCTURES, ETC. WHICH ARE TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, ETC. WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA.
- ALL CONCRETE SHALL HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
- THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS / MEANS FOR COMPLETION OF THE WORK DEPICTED NEITHER ON THESE PLANS, NOR FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY NOR HAS THE ENGINEER OF RECORD BEEN RETAINED FOR SUCH PURPOSES.
- ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKERS' COMPENSATION INSURANCE, EMPLOYERS' LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME THOMAS ENGINEERING GROUP, LLC AND ITS SUB-CONSULTANTS AS ADDITIONAL NAMED INSURERS AND TO PROVIDE CONTRACTOR LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH THOMAS ENGINEERING GROUP, LLC WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS THOMAS ENGINEERING GROUP, LLC AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS'

FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS.

- THOMAS ENGINEERING GROUP, LLC WILL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THOMAS ENGINEERING GROUP'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT THOMAS ENGINEERING GROUP, LLC HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THOMAS ENGINEERING GROUP, LLC WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. THOMAS ENGINEERING GROUP, LLC WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- NEITHER THE PROFESSIONAL ACTIVITIES OF THOMAS ENGINEERING GROUP, LLC NOR THE PRESENCE OF THOMAS ENGINEERING GROUP, LLC OR ITS EMPLOYEES AND SUB-CONSULTANTS AT A CONSTRUCTION PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THOMAS ENGINEERING GROUP, LLC AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THOMAS ENGINEERING GROUP, LLC SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.
- IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES, REQUIREMENTS AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.
- CONTRACTOR IS RESPONSIBLE FOR DESIGNING, SEQUENCING AND PROVIDING REQUIRED MAINTENANCE AND PROTECTION OF TRAFFIC (M.O.T.) FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL (VEHICULAR AND PEDESTRIAN) WITHIN THE RIGHT-OF-WAY OR ON SITE. M.O.T. SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) OR OTHER GOVERNMENTAL AGENCY HAVING JURISDICTION REQUIREMENTS. THE COST FOR M.O.T. SHALL BE INCLUDED IN THE CONTRACT PRICE.
- CONTRACTOR SHALL CONFIRM THAT LAYOUT OF SIDEWALKS AND PARKING AREAS MEET THE APPLICABLE ADA ACCESSIBILITY REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NO ADDITIONAL COMPENSATION FOR REWORK SHALL BE PROVIDED FOR FAILURE TO NOTIFY ENGINEER PRIOR TO COMMENCEMENT OF WORK OF ANY DISCREPANCIES.
- 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.
- ALL UTILITY EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION IF REQUIRED PRIOR TO CERTIFICATE OF OCCUPANCY. THESE EASEMENTS SHALL BE SKETCHED, DESCRIBED, AND RECORDED AT THE SOLE COST OF THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE MINIMUM 48 HOUR NOTICE TO ENGINEER AND APPLICABLE AGENCIES FOR SCHEDULING INSPECTIONS.
- PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND APPLICABLE GOVERNMENTAL AGENCIES HAVING JURISDICTION FOR THE FOLLOWING: CATCH BASINS, FIRE HYDRANTS, VALVES, AND ALL REQUIRED ACCESSORIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY.
- 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.
- NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE THE BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM THE GOVERNMENTAL AGENCY HAVING JURISDICTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY NECESSARY CONSTRUCTION, PAVEMENT MARKING AND SIGNAGE OR ANY PEDESTRIAN SIGNALIZATION AND/OR SIGNAL MODIFICATION TO ACCOMMODATE AN ALTERNATE SAFE WALK ROUTE. ALL RESTORED TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCY'S TRAFFIC ENGINEERING STANDARDS.
- CONTRACTOR SHALL REMOVE ORGANICS AND/OR DELETERIOUS MATERIAL WHERE ENCOUNTERED AND REPLACE WITH SUITABLE FILL. ORGANICS MAY BE REUSED TO GRADE LANDSCAPE AREAS.

SANITARY SEWER NOTES:

- A. GENERAL:
- COMPLY WITH THE STANDARDS, DETAILS AND SPECIFICATIONS OF THE UTILITY PROVIDER OR GOVERNMENTAL AGENCY HAVING JURISDICTION. SHOULD A CONFLICT EXIST BETWEEN THOSE REQUIREMENTS AND THESE PLANS AND NOTES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
 - DISTANCE AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.
- B. MATERIALS:
- ALL PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLY(VINYL CHLORIDE) (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS. (24" SHALL BE DR-25).
 - DUCTILE IRON PIPE (DIP) SHALL BE CEMENT OR POLYINED INSIDE AND SHALL HAVE A COAL TAR EPOXY COATING, MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C151/12.151-86 OR LATEST REVISION, MINIMUM WALL THICKNESS CLASS 52 (4"-12" SPECIFIED).
 - ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL.
- C. INSTALLATION:
- PIPE AND FITTINGS:
 - SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, AND THE UNIBELL PLASTICS PIPE ASSOCIATIONS' RECOMMENDED PRACTICE FOR THE INSTALLATION OF PVC SEWER PIPE."
 - D.I.P. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C800-93 OR LATEST REVISION.
 - BEDDING AND INITIAL BACKFILL (12 INCHES) OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER. PEA ROCK OR 3/4" WASHED ROCK WILL BE USED IN WATER MAINS OR WHERE UNSUITABLE BEDDING EXISTS AT THE DISCRETION OF ENGINEER AND THE UTILITY PROVIDER. ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6" IN DIAMETER.
 - SERVICE:
 - MINIMUM SLOPE OF ALL SERVICE LINES SHALL BE AS INDICATED IN THE FLORIDA BUILDING CODE.
 - SERVICE LATERALS SHALL TERMINATE AT A DEPTH 30" BELOW FINISHED GRADE OR AS INDICATED ON PLUMBING PLAN.
 - EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED PLUG.
 - THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2"x4" TREATED STAKE, PAINTED RED, EXTENDING 18"(MIN) ABOVE GRADE.
 - CONTRACTOR SHALL ROUGH IN RISER TO 1 FOOT ABOVE FINISHED GRADE AND PLUG. AT PORT COMPLETION, CUT BACK TO FINISHED GRADE.
 - CONNECTION OF SERVICES TO BUILDINGS PLUMBING SHALL BE COORDINATED WITH THE CITY'S BUILDING AND ZONING DEPARTMENT, PLUMBING SECTION.
 - TESTING:
 - AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE ENGINEER MAY REQUIRE A VISUAL INFILTRATION AND/OR EXFILTRATION TEST TO BE PERFORMED ON THE ENTIRE SYSTEM OR ANY PART THEREOF.
 - AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER.
 - AN AIR TEST SHALL BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER.
 - MANHOLE LEAKAGE TEST SHALL NOT EXCEED FOUR GALLONS PER DAY PER UNIT. NO VISIBLE LEAKAGE ALLOWED.
 - SEWER PIPE LEAKAGE ALLOWABLE SHALL NOT EXCEED 150 GALLONS PER DAY PER INCH DIAMETER PER MILE IN A TWO HOUR TEST PERIOD FOR ANY SECTION TESTED. NO VISIBLE LEAKAGE SHALL BE ALLOWED AND ALL LINES SHALL BE T.V. INSPECTED.
 - SANITARY SEWER SHALL BE TELEVISED AND LAMPED, PRIOR TO FINAL ACCEPTANCE. OWNER / CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO CERTIFICATION TO ANY AGENCY. VISIBLE INFILTRATION LEAKAGE INTO MANHOLES AND SEWER PIPE SHALL NOT BE PERMITTED.

WATER DISTRIBUTION AND/OR SANITARY SEWER FORCE MAIN SYSTEM

- A. GENERAL:
- COMPLY WITH THE STANDARDS, DETAILS AND SPECIFICATIONS OF THE UTILITY PROVIDER OR GOVERNMENTAL AGENCY HAVING JURISDICTION. SHOULD A CONFLICT EXIST BETWEEN THOSE REQUIREMENTS AND THESE PLANS AND NOTES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
 - NO CONNECTIONS TO THE EXISTING LINES SHALL BE MADE UNTIL PRESSURE TESTS FOR THE WATER AND SEWER FORCE MAINS, AND BACTERIOLOGICAL TESTS HAVE BEEN PERFORMED AND THE SYSTEM IS ACCEPTABLE TO THE UTILITY PROVIDER AND RELEASED TO BE PLACED IN TO SERVICE BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION OR AN ENTITY WHICH IT HAS RELEGATED ITS AUTHORITY.
 - BEDDING AND INITIAL BACKFILL FOR MAINS SHALL BE SAND WITH NO ROCKS LARGER THAN 1" IN DIAMETER
 - USE "DETECTO" TAPE ON ALL PVC MAINS (18" ABOVE), AND USE "NON-DETECTO" TAPE ON ALL D.I.P. MAINS (18" ABOVE).
 - A SIX (6) FOOT HORIZONTAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND OBSTRUCTIONS (I.E. CATCH BASINS, POWER POLES, INCLUDING TREES & WATER MAINS, ETC.).
 - NO VALVES, METERS, FIRE HYDRANTS, CLEANOUTS, MANHOLES OR OTHER UTILITY APPURTENANCES ARE TO BE PLACED IN, OR ADJACENT TO, SIDEWALKS, CURBS, PARKING SPACES OR OTHER SUCH SITE FEATURES SO AS TO PRESENT A HAZARD OR RESTRICT THE MAINTENANCE OR OPERATION OF THE UTILITY INFRASTRUCTURE.
- B. MATERIALS:
- DUCTILE IRON PIPE (DIP) SHALL BE CLASS 52 UP TO 12" SIZE AND CLASS 51 FOR 14" AND LARGER WITH INTERIOR CEMENT LINING AND BITUMINOUS COATED OUTSIDE. WATER MAIN & EPOXY LINED & COATED FORCE MAIN MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C151/12.151-91 OR LATEST REVISION. THE PIPE SHALL WITHSTAND A WORKING PRESSURE OF 350 PSI. THE JOINTS SHALL BE BELL AND SPIGOT PUSH-ON TYPE UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL PVC MAINS SHALL BE SERIES 1120, CLASS 150 (DR 18) PRESSURE PIPE CONFORMING TO ANSI/AWWA C300-99 OR LATEST REVISION, AND SHALL HAVE PUSH-ON JOINTS, AND IRON PIPE O.D. (PVC ON-SITE ONLY).
 - FITTINGS FOR MAINS 4" AND LARGER SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO ANSI/AWWA C110/121.10-93 OR LATEST REVISION, COMPLETE WITH GLANDS, GASKETS, BOLTS AND NUTS. ALL FITTINGS SHALL BE CEMENT LINED AND SEAL COATED WITH THE SAME MATERIALS AS THE PIPE & USE MEGALUG SERIES 1100 RESTRAINED JOINT ADAPTERS.
 - VALVES SHALL BE GATE VALVES, IRON BODY, FULLY RESILIENT SEAT BRONZED MOUNTED NON-RISING STEM, RATED AT 250 PSI AND CONFORMING TO ANSI/AWWA C300-91 OR LATEST REVISION AND SHALL HAVE MECHANICAL JOINTS.
 - GATE VALVES 4" AND LARGER SHALL BE MUELLER A-2360-20, RESILIENT SEATED GATE VALVES SHALL BE AMERICAN 500/2500 LINE OR CLOW F-4100, CONFORMING TO ANSI/AWWA C509-87.
 - TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL.
 - GATE VALVES 3" OR LESS SHALL BE NISCO T-133 OR T-136 WITH MALLEABLE HAND WHEELS. NO SUBSTITUTIONS ALLOWED.
 - TAPPING SLEEVES SHALL BE MUELLER H615 OR APPROVED EQUAL.
 - VALVE BOXES SHALL BE TYLER/UNION 491-S OR APPROVED EQUAL.
 - RETAINER GLANDS SHALL CONFORM TO ANSI/AWWA C111/121.11-90 OR LATEST REVISION. ALL GLANDS SHALL BE MANUFACTURED FROM DUCTILE IRON AS LISTED BY UNDERWRITERS LABORATORIES FOR 250 PSI MINIMUM WATER PRESSURE RATING, CLOW CORPORATION MODEL F-1058 OR STANDARD FIRE PROTECTION EQUIPMENT COMPANY OR APPROVED EQUAL.
 - DRESSER COUPLING STEEL SHALL BE REGULAR BLACK COUPLINGS WITH PLAIN GASKETS FOR GALVANIZED PIPE. THEY SHALL BE DRESSER STYLE 90. NO SUBSTITUTIONS ALLOWED.
 - FIRE HYDRANTS SHALL HAVE A 5" 1/4" MAIN VALVE OPENING. PUMPER NOZZLE TO BE 18" FROM FINISH GRADE. ALL HYDRANTS TO BE INSTALLED WITH ANCHORING TEE AND CONTROL VALVE. FIRE HYDRANT SHALL COMPLY WITH ANSI/AWWA C502-86 (OR LATEST REVISION). HYDRANTS SHALL BE MUELLER CENTURION OR AMERICAN DARLING. BLUE REFLECTIVE PAVEMENT MARKER REQUIRED IN CENTER OF NEAREST DRIVING LANE FOR FIRE HYDRANTS.
 - PIPE COLOR CODING REQUIREMENT SHALL CONFORM TO 62-555.320(21) (b) (3), F.A.C.
- C. SERVICE CONNECTION:
- CORPORATION STOPS SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B-642 WITH THREADED ENDS, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.
 - CURB STOPS SHALL BE MUELLER OR APPROVED EQUAL.
 - METER STOPS SHALL BE 90° LOCK WING TYPE AND SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE WITH ASTM B-82. METER STOPS SHALL BE CLOSED BOTTOM DESIGN AND RESILIENT 10" RING SEALED AGAINST EXTERNAL LEAKAGE AT THE TOP. STOPS SHALL BE EQUIPPED WITH A METER COUPLING NUT ON THE OUTLET SIDES, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.
 - SERVICE PIPING SHALL BE TYPE "K" DRAWN COPPER.
- D. INSTALLATION:
- GENERAL: CONNECTION OF ALL NEW SYSTEMS TO EXISTING MAINS SHALL BE DONE BY USING ONE OF THE FOLLOWING METHODS:
 - CATCH BASIN GRADES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO

- METHOD A, A REDUCED SIZE TEMPORARY CONNECTION BETWEEN THE EXISTING MAIN AND THE NEW ONE.
 - METHOD B, A DIRECT CONNECTION BETWEEN THE NEW AND EXISTING MAINS USING TWO GATE VALVES SEPARATED BY A SLEEVE WITH A VENT PIPE.
 - METHOD C, A TAP WITH ONE GATE VALVE REQUIRING DISINFECTION OF THE NEW SYSTEM PRIOR TO CONDUCTING THE PRESSURE TEST.
- BEDDING:
BEDDING AND INITIAL BACKFILL (12 INCHES ABOVE PIPE) FOR ALL PIPE SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER. PEA ROCK OR 3/4" WASHED ROCK WILL BE USED IN WATER OR WHERE UNSUITABLE BEDDING EXISTS AT THE DISCRETION OF THE ENGINEER AND UTILITY PROVIDER. ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6" IN DIAMETER.
 - PVC PIPE:
 - PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIBELL PLASTIC PIPE ASSOCIATIONS' GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEMS.
 - PVC PIPE SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER
 - DETECTOR TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL PVC MAINS APPROXIMATELY 18" ABOVE THE PIPE, COLOR SIDE UP.
 - DUCTILE PIPE:
 - D.I.P. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C800-99 OR LATEST REVISION.
 - D.I.P. SHALL BE INSTALLED WITH A MINIMUM OF 30" COVER.
 - "NON-DETECTOR" TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL D.I.P. MAINS APPROXIMATELY 18" ABOVE THE MAIN COLOR SIDE UP.
 - VALVES:
 - ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES WITH THE WORD "WATER" OR "SEWER" CAST IN THE COVER. A BRASS DISK INDICATING SIZE, TYPE, KIND & OPERATOR INSTRUCTIONS SHALL BE INSTALLED ADJACENT TO VALVE BOX.
 - MAIN VALVES SHALL BE LOCATED ON AN EXTENSION OF THE RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE.
 - MAIN VALVES SHALL BE INSTALLED AWAY FROM PARKING AREAS. IF THIS IS UNAVOIDABLE, PROPER MEASURES SHALL BE TAKEN TO AVOID THE PARKING OF VEHICLES OVER THE VALVES. HYDRANT VALVES SHALL BE INSTALLED AS CLOSE TO THE MAIN AS POSSIBLE. VALVES LOCATED IN NON-PAVED AREAS OR IN PARKING STALLS REQUIRE A REFLECTIVE PAVEMENT MARKER ON THE CENTER OF THE NEAREST LANE OF ROAD PAVEMENT, WHITE REFLECTORS FOR THE WATER MAIN VALVES, GREEN REFLECTORS FOR FORCE MAIN VALVES.
 - THE DISTANCE FROM THE TOP OF THE VALVE ACTUATOR NUT TO FINAL GRADE SHALL BE A MINIMUM OF 12 INCHES AND A MAXIMUM OF 18 INCHES.
 - SERVICE:
 - COVER OVER SERVICE LINES SHALL BE 18" MINIMUM, 36" MAXIMUM BELOW FINISHED GRADE AND 36" UNDER PAVEMENT.
 - SERVICES UP TO 2" SHALL BE TYPE "K" COPPER.
 - METER STOPS SHALL HAVE 8" TO 10" COVER AS REQUIRED FOR PROPER METER/BOX INSTALLATION.
 - WATER SERVICES UNDER PAVEMENT SHALL BE ENCASED IN A SCHEDULE 80 PVC SLEEVE FOR THE FULL LENGTH OF THE PAVEMENT AND FOR 2' BEYOND THE EDGE. SLEEVE DIAMETER SHALL BE TWICE THE DIAMETER OF THE SERVICE PIPE.
 - THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2"x4" TREATED STAKE, PAINTED BLUE EXTENDING 18" MINIMUM ABOVE GRADE UNLESS INDICATED OTHERWISE.
- E. TESTING
- BEFORE ANY PHYSICAL CONNECTIONS TO THE EXISTING WATER MAINS ARE MADE, THE COMPLETE WATER SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED. HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED AT A MINIMUM STARTING PRESSURE OF 150 PSI FOR TWO HOURS IN ACCORDANCE WITH ANSI/AWWA C800-95 OR LATEST REVISION, THE PRESSURE TEST SHALL NOT VARY MORE THAN +5 P.S.I. DURING THE TEST.
 - THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE UTILITY PROVIDER AND THE ENGINEER OF RECORD.
 - BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSI/AWWA C681-05, 150 PSI MINIMUM STARTING TEST PRESSURE, WITH BACTERIOLOGICAL SAMPLES IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS.
 - SAMPLING POINTS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS. IF NOT SPECIFIED, SAMPLING POINTS SHALL BE PROVIDED AT INTERVALS OF 1,000' MAXIMUM FOR LINES GREATER THAN 1,500' IN LENGTH. PROVIDE A MINIMUM OF TWO SAMPLING POINTS FOR ALL OTHER TEST SEGMENTS. SAMPLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS OR THE AGENCY WHICH HAS RELEGATED ITS AUTHORITY.
 - THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:
$$L = S D P^{.45}$$
$$148,000$$

IN WHICH:
 L = THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR
 S = LENGTH OF PIPE (LINEAR FEET)
 D = NOMINAL DIAMETER OF PIPE (INCHES)
 P = THE MINIMUM TEST PRESSURE (POUNDS PER SQUARE INCH)
- ## SEPARATION OF WATER AND SEWER MAINS
- A. SANITARY SEWERS, STORM SEWERS, AND FORCE MAINS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, STORM SEWERS, AND FORCE MAINS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE WASTEWATER MAIN WHENEVER POSSIBLE. WHERE SANITARY SEWERS, STORM SEWERS, OR FORCE MAINS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
- ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP, AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS ABOVE.
- B. A MINIMUM 10-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 SHELVE LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER 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 PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR THE 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). A MINIMUM 6-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN WATER MAINS AND ALL OBSTRUCTIONS INCLUDING TREES.
- C. ALL DIP SHALL BE CLASS 50 OR HIGHER. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE ENGINEER.

STORM DRAINAGE:

- A. GENERAL:
- CATCH BASIN GRADES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO

CONFORM TO NEW OR EXISTING GRADES.

- DISTANCES AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.
 - CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE DRAINING ADJACENT TO BUILDINGS COMPLY WITH FBC SECTION 180.3 AND PROVIDE POSITIVE DRAINAGE FLOW TO THE SITE DRAINAGE SYSTEM. CONTRACTOR SHALL INSTRUCT SUB-CONTRACTORS (SITE, LANDSCAPE, ETC.) OF THE SAME. SHALLOW SWALES MAY BE NEEDED IN CERTAIN INSTANCES.
- B. MATERIALS:
- ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M-294 LATEST REVISIONS, ALL PIPING TO BE NON-PERFORATED TUBING.
 - ALL YARD DRAIN BASINS ARE TO BE HIGH DENSITY POLYETHYLENE PRODUCT AND SHALL MEET ASTM LATEST MINIMUM STANDARDS.
 - ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AND SHALL MEET THE REQUIREMENTS OF A.S.T.M. SPECIFICATION C-478 AND 84T UNLESS OTHERWISE NOTED IN THE PLANS. BLOCK CATCH BASINS WILL BE ALLOWED ONLY WITH APPROVAL OF THE ENGINEER. THE MINIMUM WALL AND SLAB THICKNESS SHALL BE 8 INCHES AND THE MINIMUM REINFORCING SHALL BE NO. 4 BARS AT 12 INCHES EACH WAY UNLESS OTHERWISE INDICATED. CONCRETE SHALL HAVE MINIMUM OF $f_c=3,750$ PSI AT 28 DAYS.
 - IN DRY RETENTION / DETENTION AREAS, CONTRACTOR TO EXCAVATE AND FILL BACK WITH CLEAN FREE-DRAINING MATERIAL A MINIMUM OF 1 FOOT BELOW THE WATER TABLE.
- C. INSTALLATION:
- PIPE SHALL BE PLACED ON A MINIMUM OF 8" STABLE GRANULAR MATERIAL FREE OF ROCK FORMATION AND OTHER FOREIGN FORMATIONS, AND CONSTRUCTED TO A UNIFORM GRADE AND LINE.
 - BACKFILL MATERIAL SHALL BE WELL GRADED GRANULAR MATERIAL, WELL TAMPED IN LAYERS NOT TO EXCEED 6 INCHES TO A HEIGHT OF 12 INCHES ABOVE PIPE AS SHOWN ON THE PLANS.
 - PROVIDE A MINIMUM PROTECTIVE COVER OF 18 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL NOTIFY THE GOVERNMENTAL AGENCY HAVING AUTHORITY, FDOT (WITHIN STATE ROADWAYS) AND THE ENGINEER OF RECORD AT LEAST 7 DAYS PRIOR TO THE START OF THE CONSTRUCTION AND INSPECTION.
- ## PAVING:
- A. GENERAL:
- ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIME ROCK BASE.
 - ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTORS EXPENSE.
 - WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAW CUT TO ENSURE A PROPER JOINT.
- B. MATERIALS:
- LIME ROCK BASE: LIME ROCK BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM 8" THICKNESS UNLESS OTHERWISE NOTED AND COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100), AT THE DISCRETION OF THE OWNER OTHER SUBSTITUTES SHALL BE PER FOOT SPECIFICATIONS AND PROVIDE EQUIVALENT STRUCTURAL NUMBER AS ABOVE. LIME ROCK TO HAVE MINIMUM OF 10% CARBONATES AND LIQUID LIMIT 35 PLASTICITY AND ACCEPTABLE FDOT PRODUCT APPROVAL.
 - ASPHALTIC CONCRETE: INSTALLATION OF THE ASPHALTIC CONCRETE SURFACE COURSE SHALL HAVE A MIN. THICKNESS OF 2" UNLESS OTHER WISE NOTED AND CONFORM WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR TYPE SP-9.5 ASPHALTIC CONCRETE, AND SHALL BE CONSTRUCTED IN TWO 1" LIFTS WITH TACK COAT BETWEEN LIFTS.
 - REINFORCED CONCRETE PAVEMENTS SHALL BE A MIN. THICKNESS OF 8" AND CONSTRUCTED OF CLASS I CONCRETE WITH A MINIMUM STRENGTH OF 4,000 PSI UNLESS OTHERWISE NOTED.
- C. INSTALLATION:
- COMPACT STABILIZED SUB-BASE TO 98% OF MAX. DRY DENSITY PER AASHTO T-180 (MIN LBR 40).
 - BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 - INSTALLATION OF THE WEARING SURFACE SHALL CONFORM WITH THE REQUIREMENTS OF THE FDOT STANDARD SPECIFICATIONS, LATEST REVISION, FOR TYPE SP-9.5 ASPHALTIC CONCRETE.
- D. TESTING:
- THE FINISHED SURFACE OF THE BASE COURSE AND THAT OF THE WEARING SURFACE SHALL NOT VARY MORE THAN 1/4" FROM THE TEMPLATE. ANY IRREGULARITIES EXCEEDING THIS LIMIT SHALL BE CORRECTED.
 - DENSITY TESTS SHALL BE TAKEN ON THE SUBGRADE AND BASE MATERIAL BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE ENGINEER.
 - ALL TESTING COSTS SHALL BE PAID FOR BY THE CONTRACTOR.
 - DENSITY TESTS ON THE STABILIZED SUBGRADE SHALL BE SUPPLIED TO THE ENGINEER OF RECORD AND GOVERNMENTAL AGENCY HAVING JURISDICTION AND APPROVED BEFORE ANY BASE IS CONSTRUCTED.
 - DENSITY TESTS AND "AS-BUILTS" ON THE FINISHED BASE SHALL BE SUPPLIED TO THE ENGINEER OF RECORD AND GOVERNMENTAL AGENCY HAVING JURISDICTION BEFORE ANY ASPHALT PAVEMENT IS CONSTRUCTED.

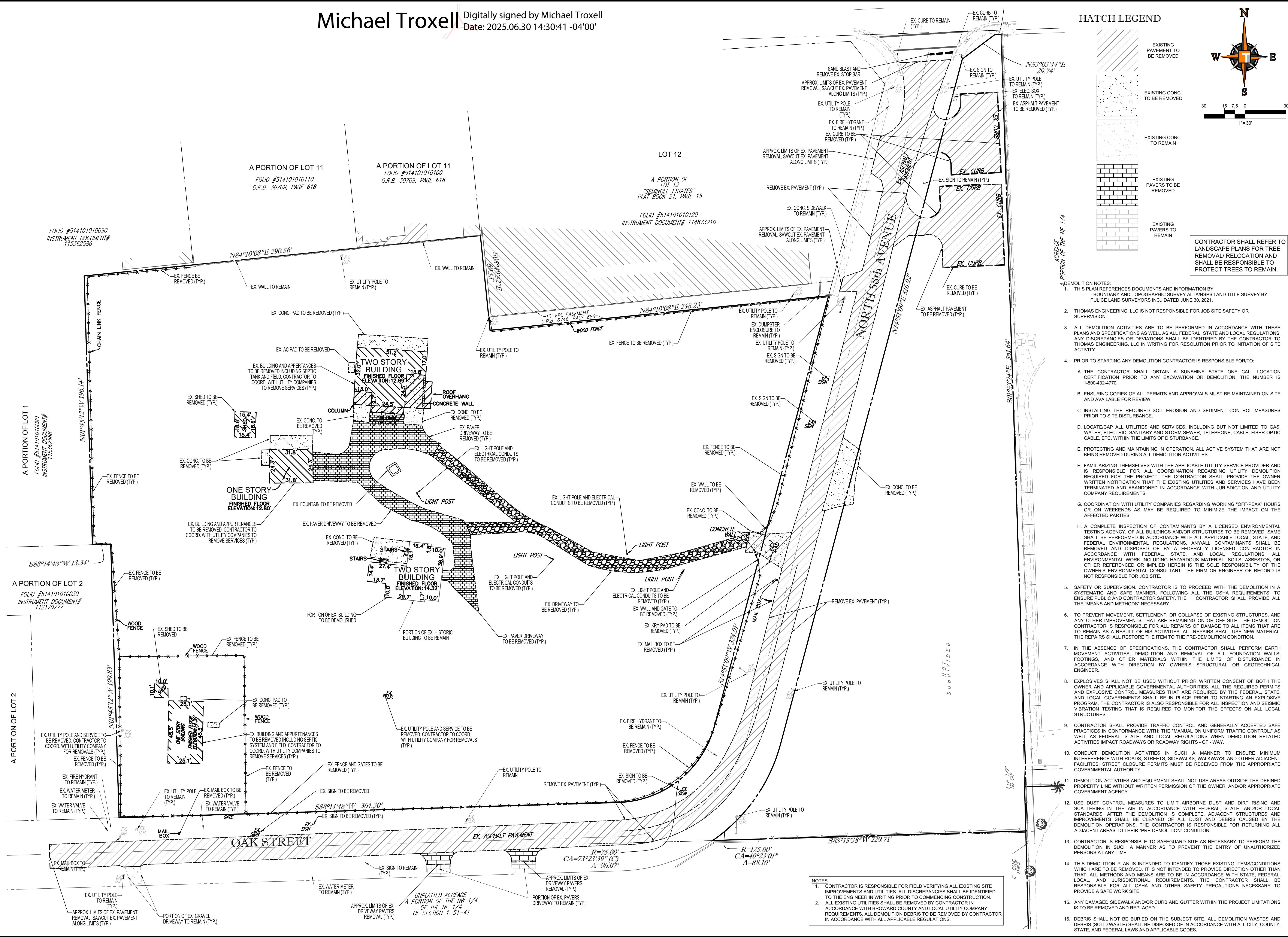
PAVEMENT MARKING & SIGNAGE:

- A. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION; THE GOVERNMENTAL AGENCY HAVING JURISDICTION STANDARDS; AND / OR THE FDOT STANDARDS AND DETAILS (WITHIN STATE ROADWAYS).
- ## POLLUTION PREVENTION:
- A. THE PLANS INCLUDE A STORMWATER POLLUTION PREVENTION PLAN, SPECIFICATIONS AND DETAILS AND ARE ONLY A SUGGESTED APPROACH TO ASSIST THE CONTRACTOR IN IMPLEMENTING AN APPROPRIATE POLLUTION PREVENTION PLAN COMPLYING WITH FLORIDA'S NPDES STORMWATER PERMITTING PROGRAM FOR CONSTRUCTION ACTIVITY, AS ESTABLISHED BY FDEP. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, PREPARE AND IMPLEMENT THE BEST MANAGEMENT PRACTICES THAT ARE APPROPRIATE FOR THE PROJECTS SITE SPECIFIC CONDITIONS DURING THE LIFE OF THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONSCIOUSLY ENSURE THAT THE PERMITTER OF THE SITE, INCLUDING CONSTRUCTION ENTRANCES, IS SECURED FROM ALLOWING DEBRIS AND SEDIMENT TO LEAVE THE SITE DUE TO CONSTRUCTION ACTIVITY OR RAINFALL EVENTS.
- B. WHEN REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE CONTRACTOR SHALL OBTAIN "A NOTICE OF INTENT TO USE NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES" FOR THE PROJECT SITE. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED INSPECTIONS AND DOCUMENTATION INCLUDING MAINTAINING AND POSTING A WEEKLY LOG WHICH SHALL BE POSTED ON-SITE IN ACCORDANCE WITH THE NPDES PERMIT.
- C. BY BIDDING DOCUMENTS CONTRACTOR ACKNOWLEDGES HE/SHE IS AWARE OF NPDES GUIDELINES AND POLICIES AS WELL AS BEST MANAGEMENT PRACTICES AND ASSUMES SOLE RESPONSIBILITY FOR FINES IMPOSED BY GOVERNMENTAL AGENCIES DUE TO VIOLATIONS.

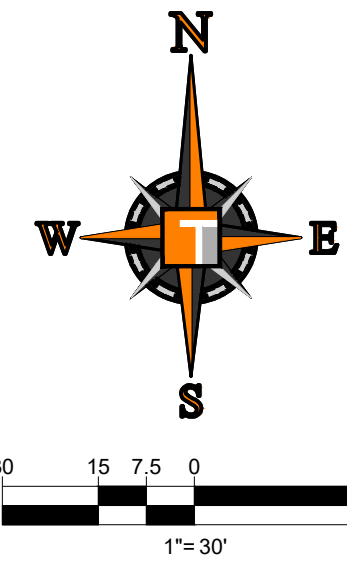
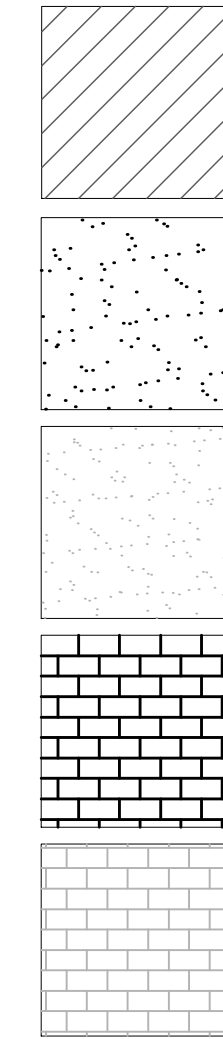
PROJECT RECORD DOCUMENTS:

- A. 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.
- B. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND BASE CONSTRUCTION (AND BEFORE PLACING ASPHALT PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND APPLICABLE GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN OR INVERT AND EDGES OF PAVEMENT AT 50 FOOT INTERVALS, INCLUDING LOCATIONS AND ELEVATIONS OF ALL HIGH AND LOW POINTS.
- C. 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 IN A FORMAT APPROVED BY CITY OF PORT ST. LUCIE PUBLIC UTILITIES / ENGINEERING DEPARTMENT.
- D. "AS-BUILT" INFORMATION OF GRAVITY SEWERS MUST CONTAIN LOCATION OF SERVICE LATERALS, STATIONING OF BOTH THE WYE, CLEAN-OUTS, AND THE SERVICE END MUST ALSO BE INCLUDED.
- E. "AS-BUILT" INFORMATION OF WATER DISTRIBUTION SYSTEMS MUST CONTAIN LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS, SERVICES AND APPURTENANCES. TOP OF PIPE ELEVATIONS ALONG THE WATER MAIN ARE REQUIRED AT INTERVALS OF 100 FEET (MAXIMUM).
- F. ALL "AS-BUILT" INFORMATION ON ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA PROFESSIONAL SURVEYOR & MAPPER.
- G. "AS-BUILTS" OF WATER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
- TOP OF PIPE ELEVATIONS EVERY 100 FEET.
 - LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING BENDS, TEES, GATE VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, ETC.
 - ALL TIES TO EXISTING LINES SHALL BE "AS-BUILT".
 - THE ENDS OF ALL WATER SERVICES AT THE BUILDINGS OR HOMES SHALL BE "AS-BUILT" OR WHERE THE WATER SERVICE TERMINATES.
- H. "AS-BUILTS" OF ALL GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
- RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AS WELL AS SLOPES.
 - THE STUB ENDS OF ALL SEWER LATERALS SHALL BE LOCATED, AND IF THERE ARE ANY CLEANOUTS INSTALLED ON THE SEWER LATERALS, THEN THE INVERT ELEVATION OF THESE CLEANOUTS NEED TO BE OBTAINED.
 - LIFT STATION "AS-BUILTS" SHALL CONSIST OF:
 - TOP OF WET WELL ELEVATION
 - INVERT ELEVATION OF THE INCOMING LINE
 - C. BOTTOM OF THE WET WELL
 - "AS-BUILTS" OF THE COMPOUND AREA.
- I. FORCE MAIN "AS-BUILTS" SHALL BE PREPARED THE SAME AS THE WATER LINE "AS-BUILTS".
- J. "AS-BUILTS" OF ALL DRAINAGE LINES SHALL INCLUDE THE FOLLOWING INFORMATION:
- RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRUCTURES AND WEIR ELEVATIONS IF APPLICABLE.
 - THE SIZE OF THE PIPING SHALL BE VERIFIED BY THE SURVEY CREW AT THE TIME OF "AS-BUILT".
- K. ALL ROCK "AS-BUILTS" FOR PARKING LOT AREAS SHALL CONSIST OF THE FOLLOWING:
- ROCK ELEVATIONS AT ALL HIGH AND LOW POINTS, AND AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY.
 - ROCK "AS-BUILTS" SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.
 - ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS SHALL BE SHOWN.
 - ELEVATIONS AROUND ISLAND AREAS WILL ALSO BE SHOWN.
- L. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS, "AS-BUILTS," ON FULL SIZE, 24" X 36" REPRODUCIBLE MATERIAL, WHERE WATER AND SEWER INFORMATION ARE ON THE SAME PAGE THE WATER LINE SHALL BE "AS-BUILT" BY STATION AND OFFSET UTILIZING THE SANITARY SEWER SYSTEM AS THE BASE LINE. IF IT IS NOT PRACTICAL TO UTILIZE THE SEWER SYSTEM AS A BASE LINE THEN THE SURVEYOR SHALL CONTACT THE ENGINEER OF RECORD SO THAT A SUBSTITUTE BASELINE MAY BE CHOSEN. ALL RECORD DRAWING, "AS-BUILT," INFORMATION SHALL BE PUT ON THE LATEST ENGINEERING DRAWINGS. ONE (1) SET OF REPRODUCIBLE RECORD DRAWINGS "AS-BUILTS" SHALL BE SUBMITTED WITH EIGHT (8) SETS OF BLACKLINE DRAWINGS. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL LAND SURVEYOR. ADDITIONALLY, AN ELECTRONIC COPY OF THESE RECORD DRAWINGS, "AS-BUILTS," SHALL BE SUBMITTED TO THE ENGINEER OF RECORD IN AUTOCAD, VERSION 2020.
- ## PROJECT CLOSEOUT:
- A. CLEANING UP:
- DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEANUP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
 - THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THAT END, THE CONTRACTOR SHALL DO, AS REQUIRED, ALL NECESSARY HIGHWAY, DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
 - WHERE MATERIAL OR

Michael Troxell Digitally signed by Michael Troxell
Date: 2025.06.30 14:30:41 -04'00'



HATCH LEGEND



CONTRACTOR SHALL REFER TO
LANDSCAPE PLANS FOR TREE
REMOVAL/ RELOCATION AND
SHALL BE RESPONSIBLE TO
PROTECT TREES TO REMAIN.

- DEMOLITION NOTES:
1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
A. BOUNDARY AND TOPOGRAPHIC SURVEY AT TANSIPS LAND TITLE SURVEY BY
POLICE LAND SURVEYORS INC., DATED JUNE 30, 2021.
 2. THOMAS ENGINEERING, LLC IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
 3. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO THOMAS ENGINEERING, LLC IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
 4. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR TO:
 - A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
 - B. ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - D. LOCATE/CAPE ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE.
 - E. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - F. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN IDENTIFIED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 5. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
 6. A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED, SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOLIDS, ASBESTOS, OR OTHERS, REFERENCED OR NOT, IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE.
 7. SAFETY OR SUPERVISION, CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY.
 8. TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE, THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
 9. IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FLOOR, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
 10. EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
 11. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL," AS WELL AS FEDERAL AND STATE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS-OF-WAY.
 12. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
 13. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
 14. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
 15. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
 16. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS (SOLID WASTE) THAT SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
 17. ANY DAMAGED SIDEWALK AND/OR CURB AND GUTTER WITHIN THE PROJECT LIMITATIONS IS TO BE REMOVED AND REPLACED.
 18. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL CITY, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

THOMAS
ENGINEERING GROUP

V/L ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

 1502 W. FLETCHER AVE.
UNIT NO. 101
TAMPA, FL 33612
P: (813) 319-9410

 123 W. INDIANTOWN RD.
SUITE 206
JUPITER, FL 33488
P: 561-4203-1503

THOMAS ENGINEERING GROUP, INC. IS AN EQUAL OPPORTUNITY EMPLOYER. MINORITY AND WOMEN ARE ENCOURAGED TO APPLY. PLEASE CONTACT US AT 561-4203-1503 FOR MORE INFORMATION. WE ARE AN EQUAL OPPORTUNITY EMPLOYER. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, GENDER, RELIGION, NATIONAL ORIGIN, AGE, SEX, OR HANDICAP.

[illegible]

Sunshine 811
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!

TAC SUBMITTAL

PROJECT No.:	F240042
DRAWN BY:	CAD
CHECKED BY:	MAT
DATE:	05/06/2025
CAD I.D.:	F240042 DEMO PLAN

PROJECT:

HOLLYWOOD OAKS
4220 & 4231 N 58th Ave.
HOLLYWOOD, FL 33021

_____ FOR _____

KUSHNER
188 BAL BAY DRIVE
BAL HARBOUR, FL 33154



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

SHEET TITLE:

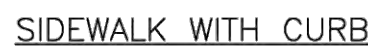
DEMOLITION PLAN

SHEET NUMBER:

C-3.0



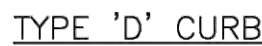
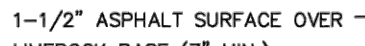
1. ALL SIDEWALK CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE ADA STANDARDS.
2. LIGHT BROOM FINISH PERPENDICULAR TO THE DIRECTION OF THE SIDEWALK.
3. ALL SIDEWALKS CROSS SLOPES SHALL BE 1:48 (2% MAX.); AND, RUNNING SLOPES 1:20 MAX



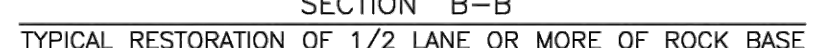
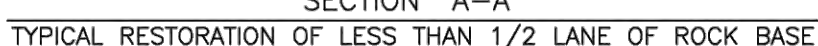
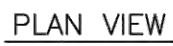
PLAN

SIDEWALK JOINTS

1. CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
2. USE OF FIBER REINFORCED CEMENT IS PROHIBITED.
3. SIDEWALK LONGITUDINAL AND CROSS SLOPE SHALL MEET ADA STANDARDS.
4. SIDEWALK CURB RAMPS SHALL BE PROVIDED AT ALL DESIGNATED PEDESTRIAN CROSSING AT INTERSECTIONS PER FDOT STANDARD PLANS INDEX NO. 522-002.
5. THE VERTICAL DEVIATION OF THE COVER/UD OF A GIVEN UTILITY BOX/STRUCTURE SHALL NOT BE MORE THAN A 1/4" DIFFERENCE IN HEIGHT/ELEVATION OF THE FINISHED SIDEWALK SURFACE.
6. 4" THICK MINIMUM (TYP.); 6" THICK AT DRIVEWAYS, EXTENDED TWO FEET ON BOTH SIDES BEYOND THE DRIVE.

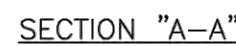
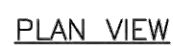
SIDEWALK CONSTRUCTION DETAILS (3 OF 3)

- WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

CURB AND GUTTER DETAILS

(*) IF TRENCH IMPACTS MORE THAN $\frac{1}{2}$ A LANE WIDTH SECTION B-B SHALL BE USED.

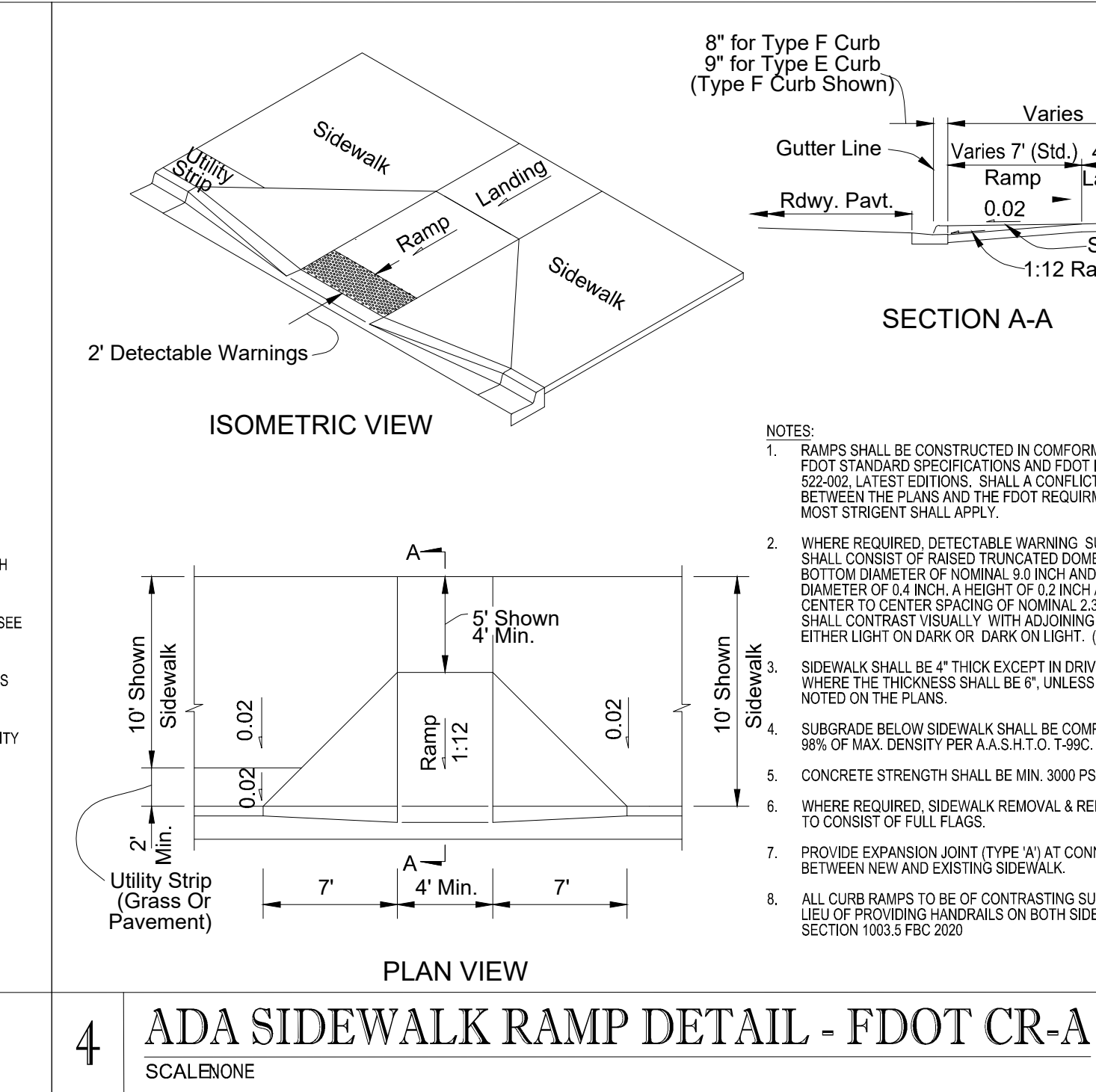
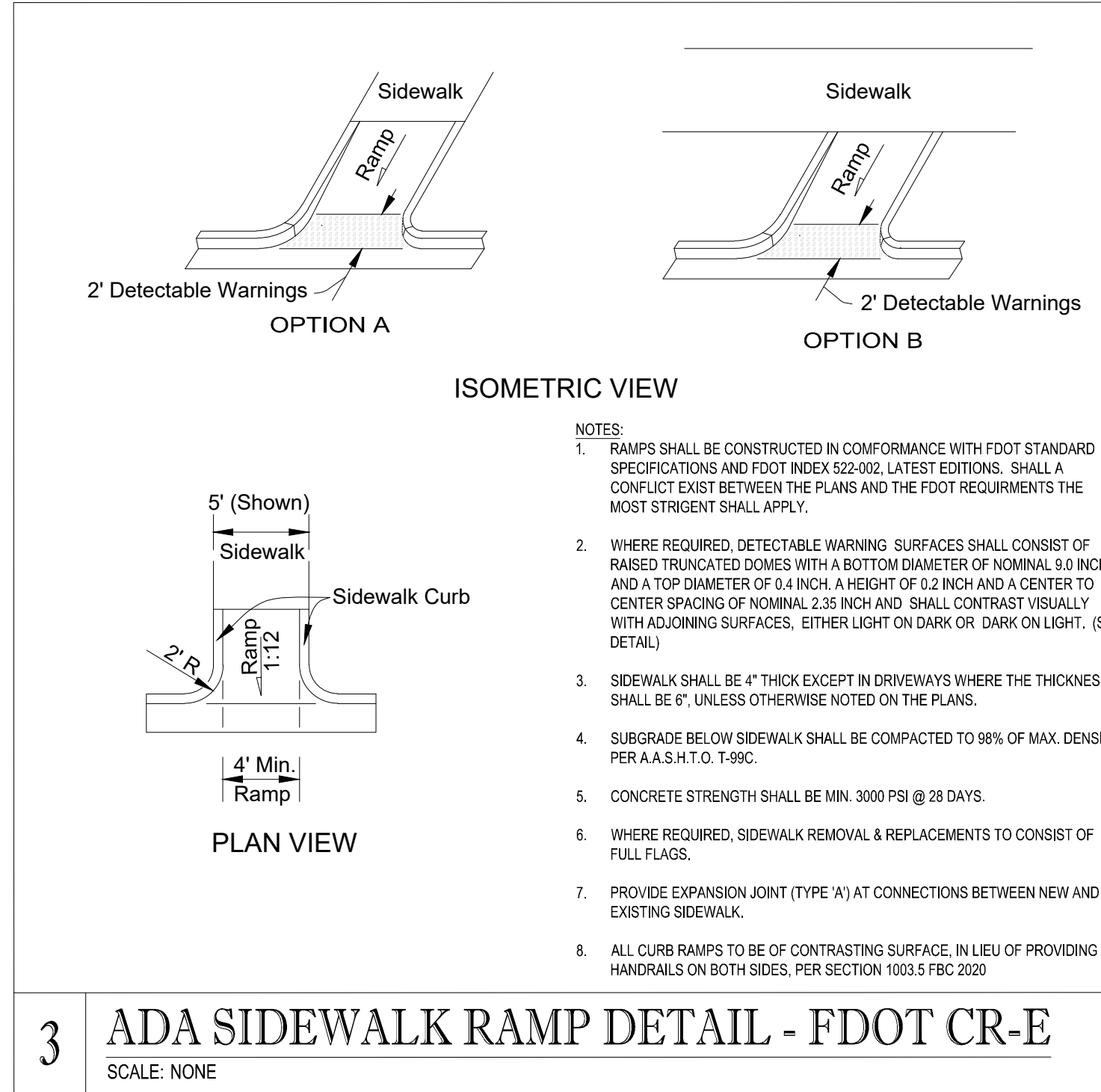
2. BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%.
3. BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM THICKNESS LAYERS WITH EACH LAYER COMPACTED AS REQUIRED AND TESTING PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
4. SUBGRADE MATERIAL SHALL BE GRADULAR AND NOT LESS THAN 40%.
5. 6" SKEWED SHALL BE PLACED AND COMPACTED IN 6" LAYERS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
6. AT THE EDGES OF EXISTING ASPHALT PAVEMENT WHERE RESURFACING WILL ADJUT SHALL BE SAW CUT AND STROPPED PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
7. RESURFACING MATERIAL SHALL BE OF THE SAME MIX AS THE EXISTING SURFACE AND SHALL BE APPLIED AT A MINIMUM OF 1-1/2" INCHES.
8. FULL ROAD WIDTH RESURFACING MAY BE REQUIRED. SEE PLANS.

FLEXIBLE PAVEMENT RESTORATION

1. REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE, MINIMUM 12", MAXIMUM 18".
2. ORIGINAL BASE SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) LAYERS AND EACH LAYER SHALL BE ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
5. SURFACE MATERIAL SHALL BE CONSISTENT WITH THE EXISTING SURFACE.
6. BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%.
7. IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELLING UNTIL REPLACED WITH A PERMANENT PATCH.
8. MINIMUM PAVEMENT RESTORATION WIDTH IS 10'.

FLEXIBLE PAVEMENT RESTORATION[illegible]

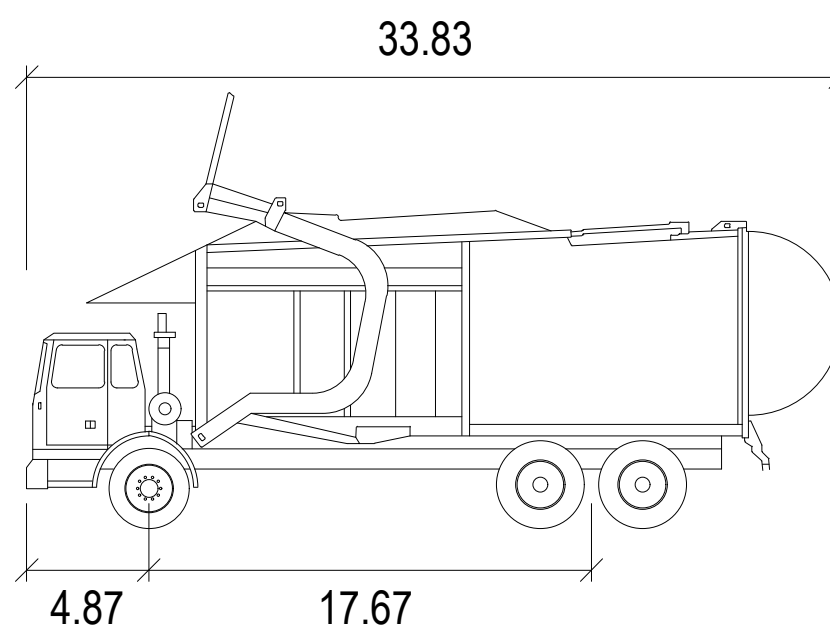
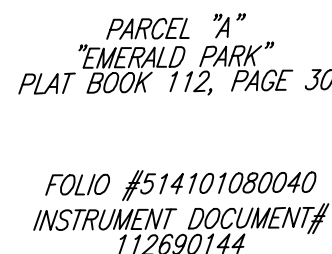
Printed on Monday, June 30, 2025, 4:38 PM by Corey Sprusansky



Michael Troxell

Digitally signed by Michael Troxell
Date: 2025.06.30 16:45:43 -04'00'

Printed on Monday, June 30, 2025, 4:39 PM by Corey Sprusonsky



Wayne Titan

Width	: 8.46
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 45.0

Sunshine 811

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TAC SUBMITTAL

PROJECT No.:	F24004
DRAWN BY:	CA
CHECKED BY:	MA
DATE:	05/06/202
CAD I.D.:	F240042 CIRCULATION PLAN

PROJECT:

HOLLYWOOD OAKS
4220 & 4231 N 58th Ave.
HOLLYWOOD, FL 3302

— FOR —
KUSHNER
188 BAL BAY DRIVE
BAL HARBOUR, FL 33154



6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
FX: (954) 202-7070
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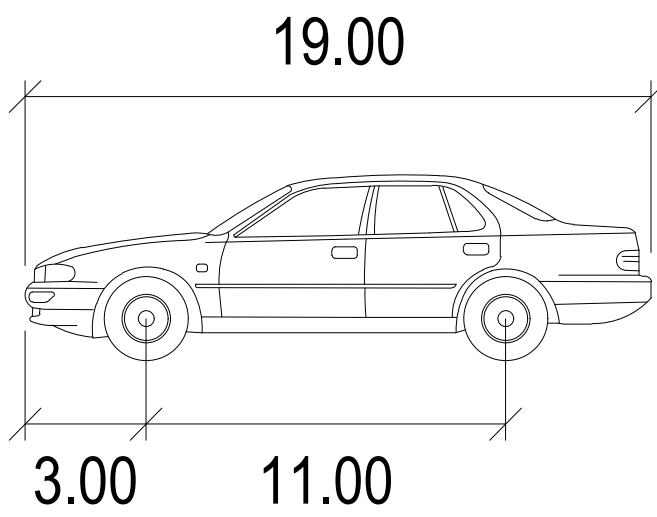
A circular professional engineer seal for Michael A. Troxell. The outer ring contains the name "MICHAEL A. TROXELL" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, the license number "No. 50572" in the center, a single star below the number, and "STATE OF FLORIDA" at the bottom.

June 30, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 2752

CIRCULATION PLAN

SHEET NUMBER

CIR-1.0



Width : 7.00
Track : 6.00
Lock to Lock Time : 6.0
Steering Angle : 31.6

```
feet
: 7.00
: 6.00
: 6.0
: 31.6
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1502 W. FLETCHER AVE.
UNIT NO. 101
TAMPA, FL 33612
P: (813) 379-4100

125 W. INDIANTOWN RD.
SUITE 206
JUPITER, FL 33458
P: 561-203-7503

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Check positive response codes before you dig.

PROJECT No.: F240042
DRAWN BY: CAD
CHECKED BY: MAT
DATE: 05/06/2025
CAD I.D.: F240042 CIRCULATION PLAN

PROJECT:

HOLLYWOOD OAKS
4220 & 4231 N 58th Ave.
HOLLYWOOD, FL 33021

————— FOR —————

KUSHNER
188 BAL BAY DRIVE
BAL HARBOUR, FL 33154

6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
FX: (954) 202-7070
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CIR-1.1

Printed on Monday, June 30, 2025, 4:41 PM by Corey Sparrow

MICHAEL A. TROXELL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 25072. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL A. TROXELL, P.E. ON 6/30/2025. PRINTED COPY OF THIS DOCUMENT WILL BE CONSIDERED VOID. ANY CHANGES TO THIS DOCUMENT MUST BE MADE TO THE DIGITALLY SIGNED COPY.

PAVING, GRADING & DRAINAGE LEGEND	
EXISTING	PROPOSED
—S—	SANITARY SEWER LATERAL
—W—	UNDERGROUND WATER LINE
—E—	UNDERGROUND ELECTRIC LINE
—G—	UNDERGROUND GAS LINE
—OH—	OVERHEAD WIRE
—T—	UNDERGROUND TELEPHONE LINE
—C—	UNDERGROUND CABLE LINE
—R—	UNDERGROUND RECLAIMED WATER LINE
—S—	STORM SEWER
—S—	SANITARY SEWER MAIN
—H—	HYDRANT
—M—	SANITARY MANHOLE
—M—	STORM MANHOLE
—C—	CATCH BASIN
—X—	GRADE SPOT SHOT

- ### CONSTRUCTION NOTES:
- CONTRACTOR TO SAW-CUT AT ALL LOCATIONS OF REMOVAL OF EXISTING CONC. SIDEWALK, CONC. CURB AND ASPHALT UNLESS OTHERWISE NOTED. ALL BASE AND SUBBASE MATERIAL SHALL BE REMOVED WITHIN THE PROPOSED LANDSCAPED AREA.
 - CONTRACTOR TO MATCH EXIST. GRADES AND TO CONSTRUCT A SMOOTH TRANSITION FROM EXISTING FACILITIES TO PROPOSED.
 - CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE AND DISPOSE PER LOCAL ORDINANCES.
 - CONTRACTOR TO ENSURE ALL CONSTRUCTION IS IN ACCORDANCE WITH CITY DESIGN STANDARDS.
 - CONTRACTOR TO SOD ALL DISTURBED AREAS. SODDING INCLUDES MAINTAINING SLOPE AND SOO UNTIL COMPLETION AND ACCEPTANCE OF THE TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST.
 - ALL EXISTING TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
 - THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT THAT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OF THESE STANDARDS OR THE PROGRESSION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED AREA.
 - THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIGHER CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
 - NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770) OR (811) PRIOR TO CONSTRUCTION.
 - PROJECT BASED ON DESIGN SURVEY PREPARED BY OTHERS.
 - THE CONTRACTOR SHALL NOT ENCLOSE ONTO PRIVATE PROPERTY WITHOUT EASEMENTS NECESSARY FOR COMPLETION OF THE WORK.
 - THE EXISTING UNDERGROUND UTILITIES SHOWN ARE PER ABOVE GROUND SURVEY DATA AND UTILITY AS-BUILT DATA. THIS INFORMATION DOES NOT WARRANT EXACT SIZE AND LOCATION OF THE UTILITIES. ALSO, THERE MAY BE ADDITIONAL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION THAT MAY BE AFFECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING EXISTING UTILITIES DURING THE COURSE OF CONSTRUCTION.
 - PLEASE SEE MEP PLANS FOR CONTINUATION OF ROOF LEADERS.
 - 2.0% MAXIMUM SLOPE ON HANDICAP SPACES AND ADA ACCESS WAYS.
 - ALL SIDEWALKS SHOULD HAVE A MAXIMUM CROSS SLOPE OF 1.5%.
 - EXISTING COVER MUST BE MAINTAINED ON ALL WATER AND SANITARY LINES.
 - EXISTING SEWER MUST REMAIN FREE FROM CONSTRUCTION DEBRIS AND FLOW MUST BE MAINTAINED.
 - NO STRUCTURES SHALL BE ALLOWED IN UTILITY EASEMENT.
 - SIZE, GRADES, AND LOCATION FOR DRIVEWAY CURBS SHALL BE DETERMINED BY THE ENGINEERING DEPT.
 - ALL UNSTABLE MATERIALS SUCH AS MUCK, PEAT, PLASTIC CLAYS, AND OTHER MARLS SHALL BE REMOVED FROM ROADBED AREAS. THE AREA SHALL THEN BE BACKFILLED ACCORDING TO THE GEOTECH REPORT.
 - ROOF DRAINAGE WILL BE COLLECTED AND CONNECTED TO THE ON-SITE DRAINAGE SYSTEM.
 - ALL EXISTING SIDEWALKS ALONG THE SITE TO BE REPLACED. MINIMUM WIDTH IS 5'. SIDEWALKS SHALL BE FLUSHED THROUGH DRIVEWAYS AND MEET ALL ADA AND FDOT REQUIREMENTS.
 - ANY LIP FROM 1/4" BUT NOT GREATER THAN 1/2" WILL BE BEVELED TO MEET ADA REQUIREMENTS.

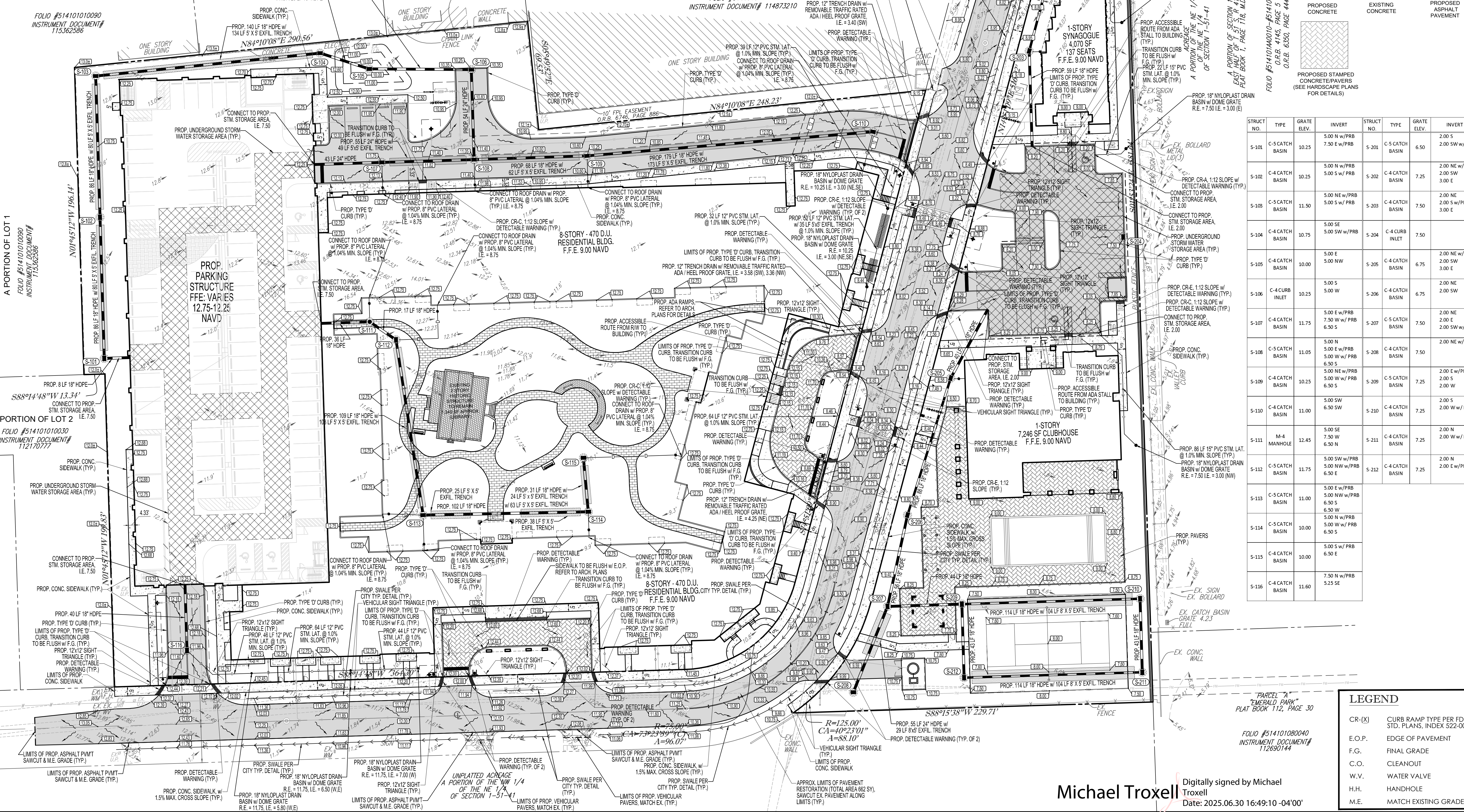
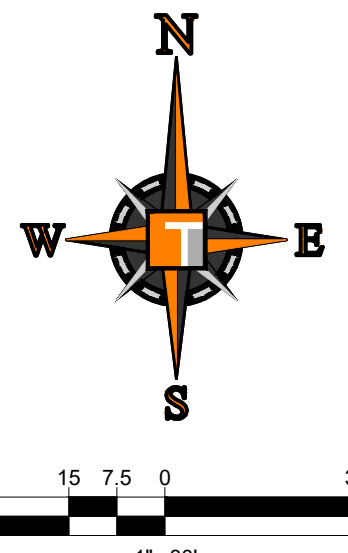
- ### SWALE GRADING AND TURF RESTORATION NOTE:
- ALL PROPOSED AND/OR MODIFIED EXISTING SWALES ARE TO BE CONSTRUCTED AND/OR RESTORED PER THE CITY OF HOLLYWOOD DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION TYPICAL SWALE GRADING DETAIL, DRAWING NO. C-33.
 - ALL PROPOSED TURF RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF HOLLYWOOD DEPARTMENT OF DEVELOPMENT SERVICES ENGINEERING, TRANSPORTATION & MOBILITY DIVISION TYPICAL TURF RESTORATION DETAIL, DRAWING NO. C-32.

LOT 12
A PORTION OF LOT 12 "SEMINOLE ESTATES" PLAT BOOK 21, PAGE 15
FOLIO #51410101020
INSTRUMENT DOCUMENT# 114873210

ADA REQUIREMENTS COMPLIANCE NOTE:
ANY SIDEWALK OR PEDESTRIAN PATHWAY LIP FROM 1/4-INCH BUT NOT GREATER THAN 1/2-INCH SHALL BE BEVELED TO MEET ADA REQUIREMENTS

HATCH LEGEND
PROPOSED CONCRETE
EXISTING CONCRETE
PROPOSED ASPHALT PAVEMENT
PROPOSED STAMPED CONCRETE/PAVERS (SEE HARDSCAPE PLANS FOR DETAILS)

ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



STRUCT NO.	TYPE	GRATE ELEV.	INVERT	STRUCT NO.	TYPE	GRATE ELEV.	INVERT
S-101	C-5 CATCH BASIN	10.25	5.00 N w/PRB 7.50 E w/PRB	S-201	C-5 CATCH BASIN	6.50	2.00 SW w/PRB
S-102	C-4 CATCH BASIN	10.25	5.00 N w/PRB 5.00 S w/PRB	S-202	C-4 CATCH BASIN	7.25	2.00 NE w/PRB 3.00 SW
S-103	C-5 CATCH BASIN	11.50	5.00 NE w/PRB 5.00 S w/PRB	S-203	C-4 CATCH BASIN	7.50	2.00 NE 2.00 S w/PRB 3.00 E
S-104	C-4 CATCH BASIN	10.75	5.00 SE 5.00 SW w/PRB	S-204	C-4 CURB INLET	7.50	
S-105	C-4 CATCH BASIN	10.00	5.00 E 5.00 NW	S-205	C-4 CATCH BASIN	6.75	2.00 NE w/PRB 2.00 SW 3.00 E
S-106	C-4 CURB INLET	10.25	5.00 S	S-206	C-4 CATCH BASIN	6.75	2.00 NE 2.00 SW
S-107	C-4 CATCH BASIN	11.75	7.50 E w/PRB 7.50 W w/PRB 6.50 S	S-207	C-5 CATCH BASIN	7.50	2.00 NE 2.00 SW w/PRB
S-108	C-5 CATCH BASIN	11.05	5.00 N 5.00 E w/PRB 5.00 W w/PRB 6.50 S	S-208	C-4 CATCH BASIN	7.50	2.00 NE w/PRB 2.00 S 2.00 W w/PRB
S-109	C-4 CATCH BASIN	10.25	5.00 NE w/PRB 5.00 W w/PRB 6.50 S	S-209	C-5 CATCH BASIN	7.25	2.00 E w/PRB 2.00 S 2.00 W
S-110	C-4 CATCH BASIN	11.00	5.00 SW 6.50 SW	S-210	C-4 CATCH BASIN	7.25	2.00 W w/PRB
S-111	M-4 MANHOLE	12.45	5.00 SE 7.50 W 6.50 N	S-211	C-4 CATCH BASIN	7.25	2.00 N 2.00 W w/PRB
S-112	C-5 CATCH BASIN	11.75	5.00 SW w/PRB 5.00 NW w/PRB 6.50 E	S-212	C-4 CATCH BASIN	7.25	2.00 N 2.00 E w/PRB
S-113	C-5 CATCH BASIN	11.00	5.00 E w/PRB 5.00 NW w/PRB 6.50 W 6.50 S				
S-114	C-5 CATCH BASIN	10.00	5.00 N w/PRB 5.00 W w/PRB 6.50 S				
S-115	C-4 CATCH BASIN	10.00	5.00 S w/PRB 6.50 E				
S-116	C-4 CATCH BASIN	11.60	7.50 N w/PRB 5.25 SE				

LEGEND	
CR-(X)	CURB RAMP TYPE PER FOOT STD. PLANS, INDEX 522-002
E.O.P.	EDGE OF PAVEMENT
F.G.	FINAL GRADE
C.O.	CLEANOUT
W.V.	WATER VALVE
H.H.	HANDHOLE
M.E.	MATCH EXISTING GRADE

THOMAS ENGINEERING GROUP
CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
125 W. INDIANTOWN RD.
JUPITER, FL 33459
P: 561-203-7503
F: 561-203-7503
1502 W. FLETCHER AVE.
TAMPA, FL 33612
P: (813) 379-4100

REVISIONS			
REV.	DATE	COMMENT	BY

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Check positive response codes before you dig!

TAC SUBMITTAL
PROJECT No.: F240042
DRAWN BY: CAD
CHECKED BY: MAT
DATE: 05/06/2025
CAD I.D.: F240042 PGD

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

MICHAEL A. TROXELL
LICENSE
No. 25072
STATE OF FLORIDA
PROFESSIONAL ENGINEER
June 30, 2025
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

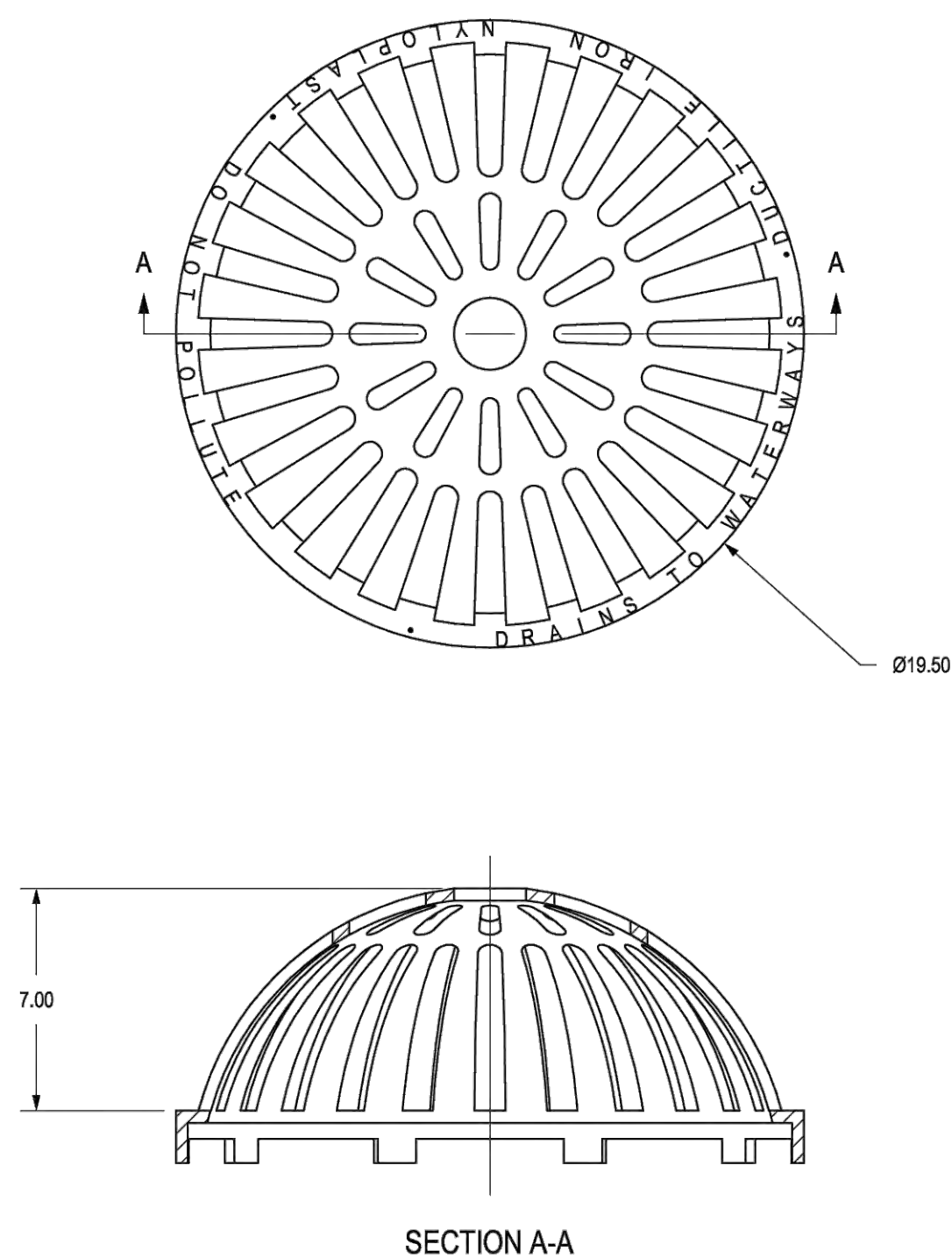
SHEET TITLE:
PAVING, GRADING & DRAINAGE
SHEET NUMBER:
PD-1.0

Michael Troxell
Digitally signed by Michael Troxell
Date: 2025.06.30 16:49:10 -04'00'



1899CGD

APPROX. DRAIN AREA = 175.59 SQ IN
APPROX. WEIGHT = 32.00 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST

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DRAWN BY	EBC	MATERIAL
DATE	03-08-06	
REVISED BY	CCA	PROJECT NO./NAME
DATE	08-30-13	
DWG SIZE	A	SCALE 1:6

ADS
Nyloplast

3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

18 IN DOME GRATE

O. 7001-110-215 REV E

- 1 - GRATES/SOLID VUE SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER.
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

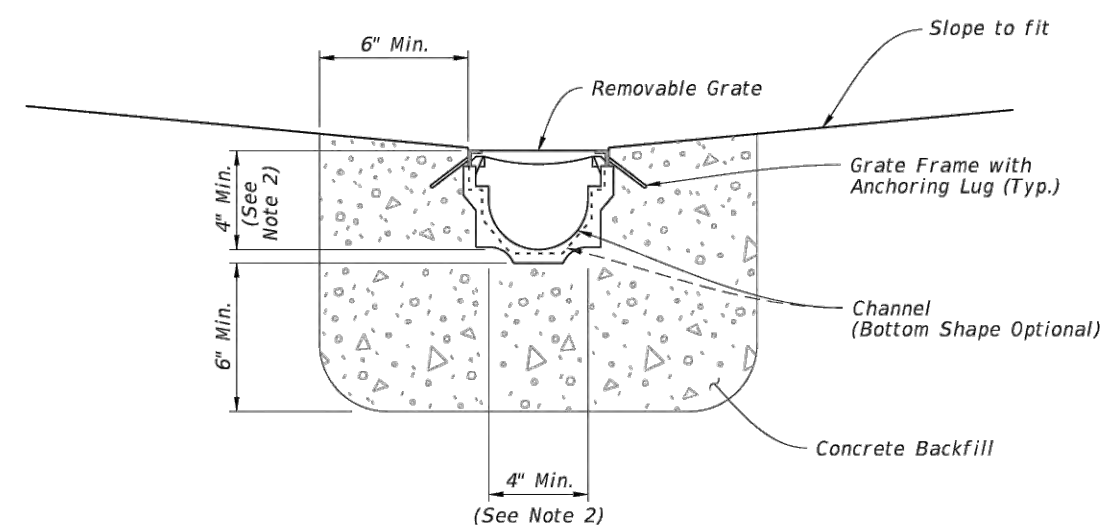
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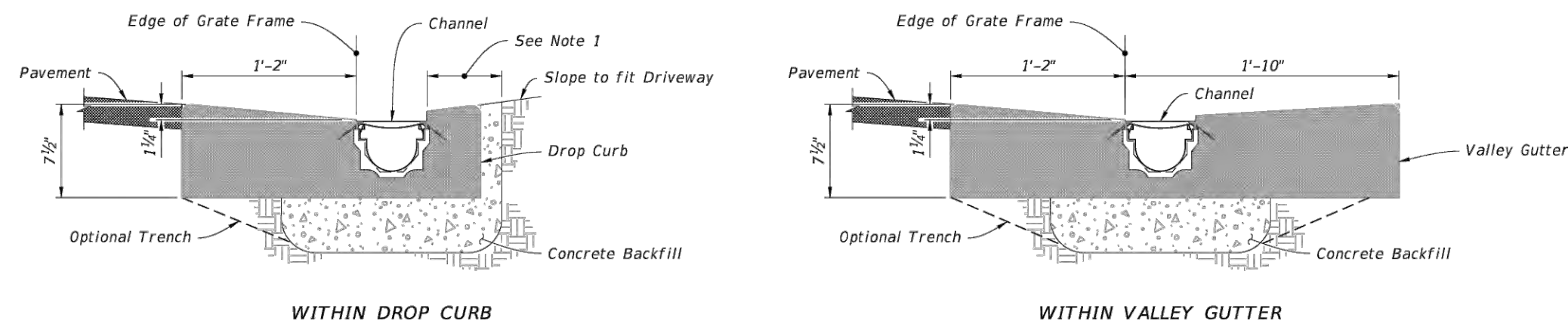
DRAWN BY	EBC	MATERIAL		
DATE	04-03-06			
REVISED BY	NMH	PROJECT NO./NAME		
DATE	03-14-16			
DWG SIZE	A	SCALE	1:30	SHEET 1 OF 1

	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE 18 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL	
DWG NO.	7001-110-191
	REV E

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1899CGP	7001-110-212
STANDARD	MEETS H-20	1899CGS	7001-110-213
SOLID COVER	MEETS H-20	1899CGC	7001-110-214
DOME	N/A	1899CGD	7001-110-215
DROP IN GRATE	LIGHT DUTY	1801DI	7001-110-074



= PREFORMED CHANNEL WITH REMOVABLE GRATE



TYPICAL LOCATIONS

1. Provide minimum 6" of concrete on this side of the drain.
2. 4" Minimum unless otherwise shown in Plans.

TYPE II - REMOVABLE GRATE

LAST REVISION 11/01/19	DESCRIPTION:	 FY 2024-25 STANDARD PLANS	TRENCH DRAIN	INDEX 436-001	SHEET 3 of 3
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Michael
Troxell

Digitally signed by Michael Troxell
Date: 2025.06.30 15:29:38
-04'00'

[illegible]

Sunshine 811
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

TAC SUBMITTAL

PROJECT No.: F240042
DRAWN BY: CAD
CHECKED BY: MAT
DATE: 05/06/2025
CAD I.D.: F240042 PGD DTL

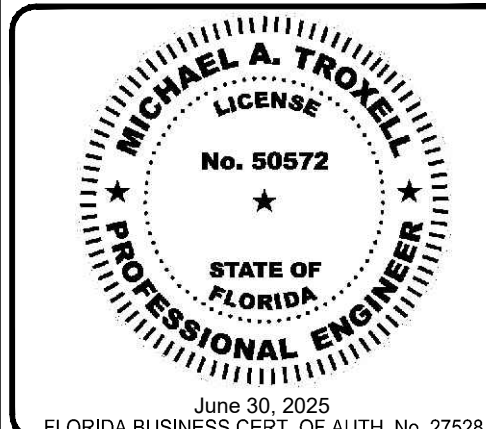
PROJECT:

HOLLYWOOD OAKS
4220 & 4231 N 58th Ave.
HOLLYWOOD, FL 33021

FOR
KUSHNER
188 BAL BAY DRIVE
BAL HARBOUR, FL 33154



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



SHEET TITLE:
**PAVING, GRADING
& DRAINAGE PLAN
DETAILS**

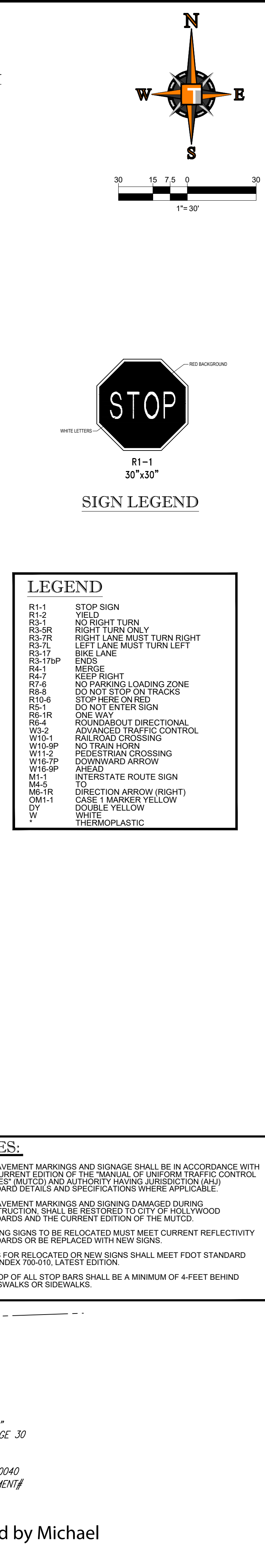
SHEET NUMBER: _____

PD-2.1

Printed on Monday, June 30, 2025, 4:39 PM by Corey Sprusonsky
\\NKUSHNER\F240042\38TH & OAK\IDENTIAL\DWG\SITE\2025-05-06\F240042_SECTION5---LAYOUT1_SECTION10\MS2

PD-4.0

Digitally signed by
Michael Troxell
Date: 2025.06.30 16:48:39
-04'00'

[illegible]

Michael
Troxell

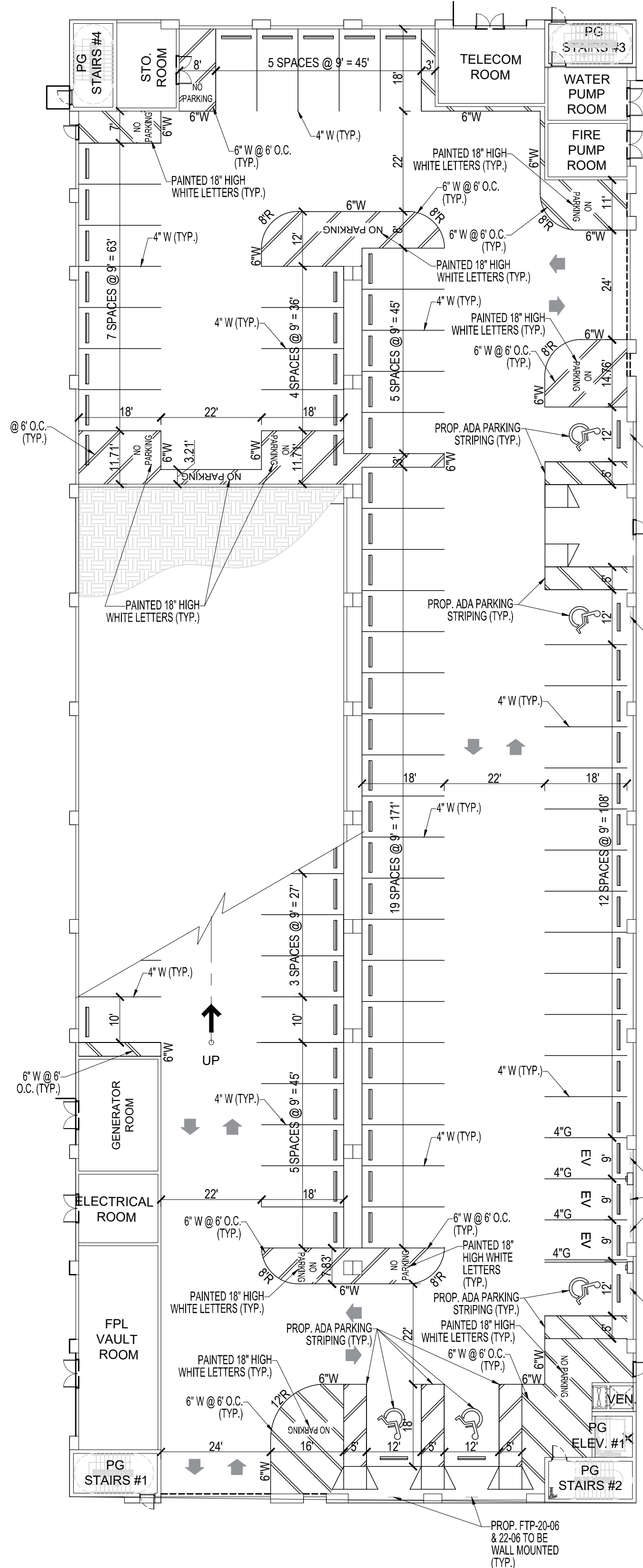
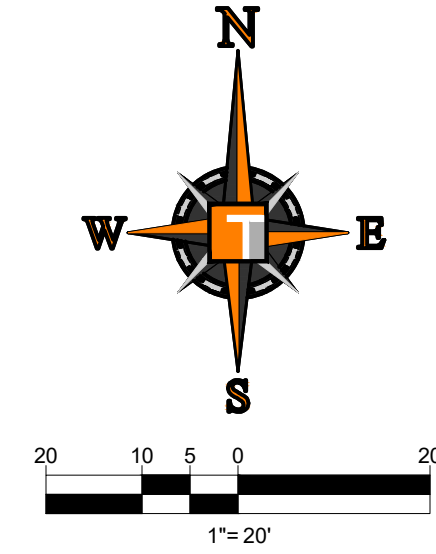
Digitally signed by
Michael Troxell
Date: 2025.06.30
16:48:17 -04'00'

PAVEMENT MARKING

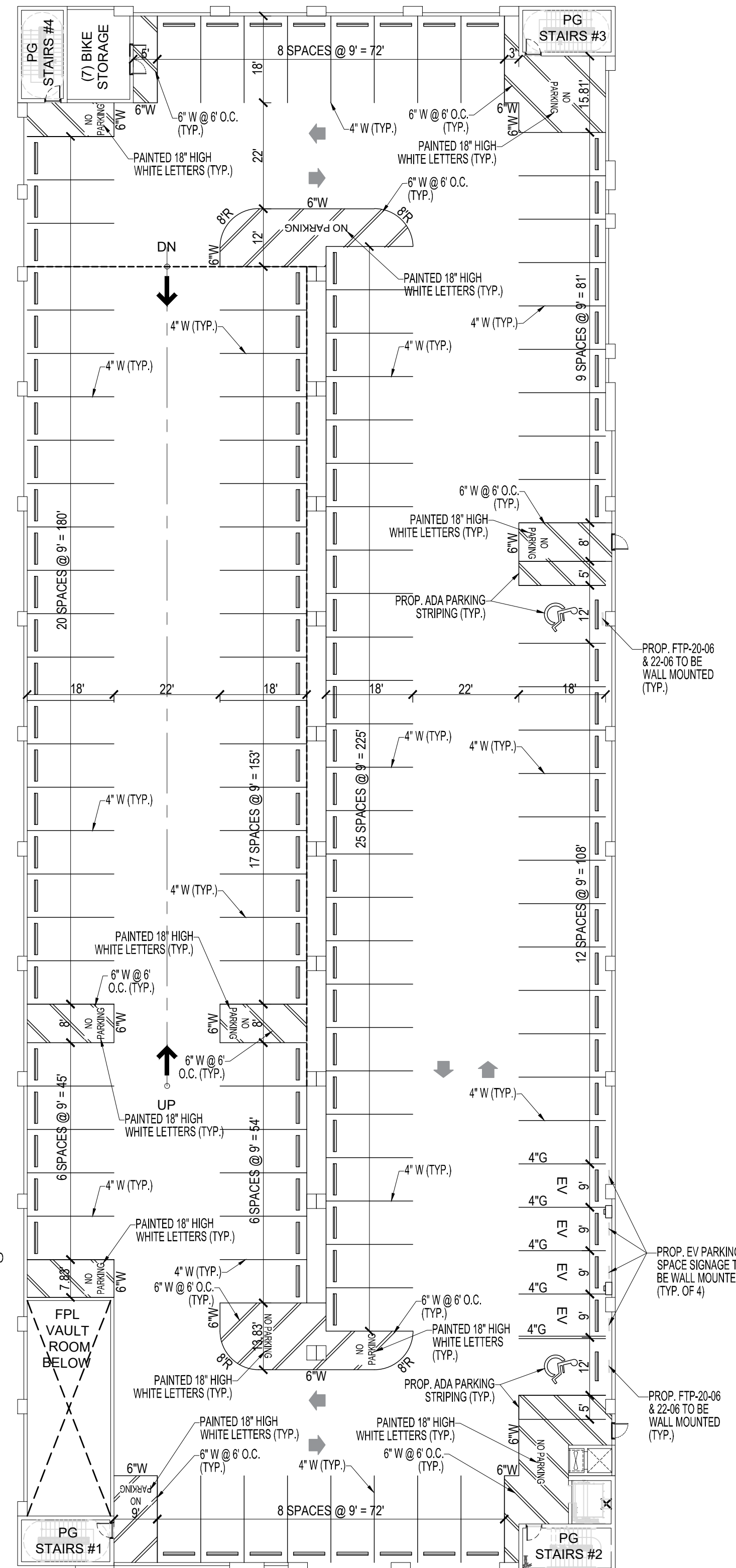
G	GREEN
W	WHITE

PAVEMENT MARKINGS & SIGNAGE NOTES:

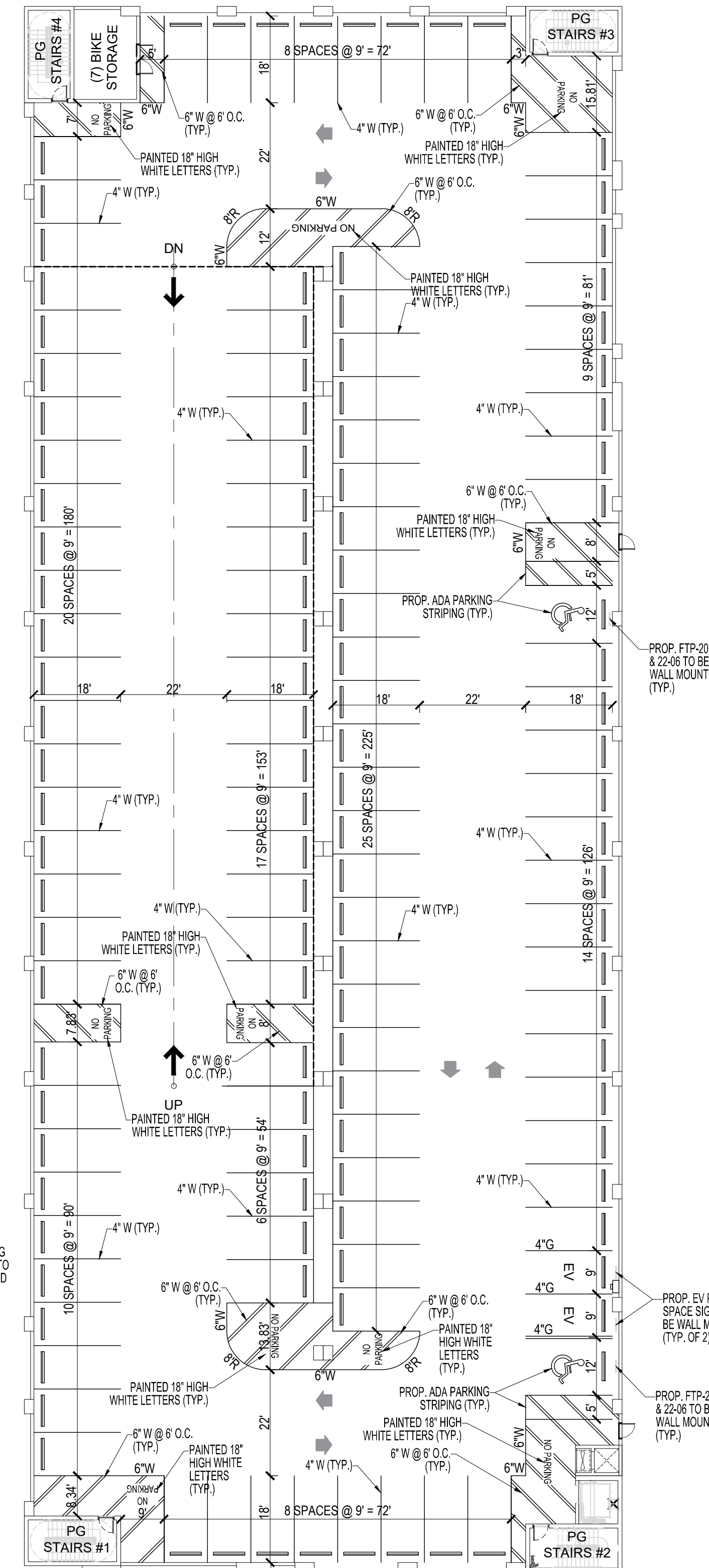
1. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LATEST CITY OF COCONINO CREEK STANDARD DETAILS AND SPECIFICATIONS.
2. ALL PROPOSED THERMOPLASTIC PAVEMENT MARKINGS SHALL BE PER FOOT AND THE CITY OF COCONINO CREEK STANDARDS AND SPECIFICATIONS.
3. ALL SIGNS TO BE MOUNTED SUCH THAT THE BOTTOM OF THE SIGN IS 7' ABOVE THE ADJACENT EDGE OF ROADWAY GRADE.
4. ALL PAVEMENT MARKINGS SHALL BE INSTALLED WITH SLIP RESISTANT PAINT.
5. ALL FDC'S SHALL INCLUDE SIGNAGE THAT IDENTIFIES THE ADDRESS OF THE BUILDING THEY SERVE IN ACCORDANCE WITH THE CITY OF COCONINO CREEK STANDARDS
6. EV AND HANDICAP PARKING SIGNS SHALL BE WALL MOUNTED.



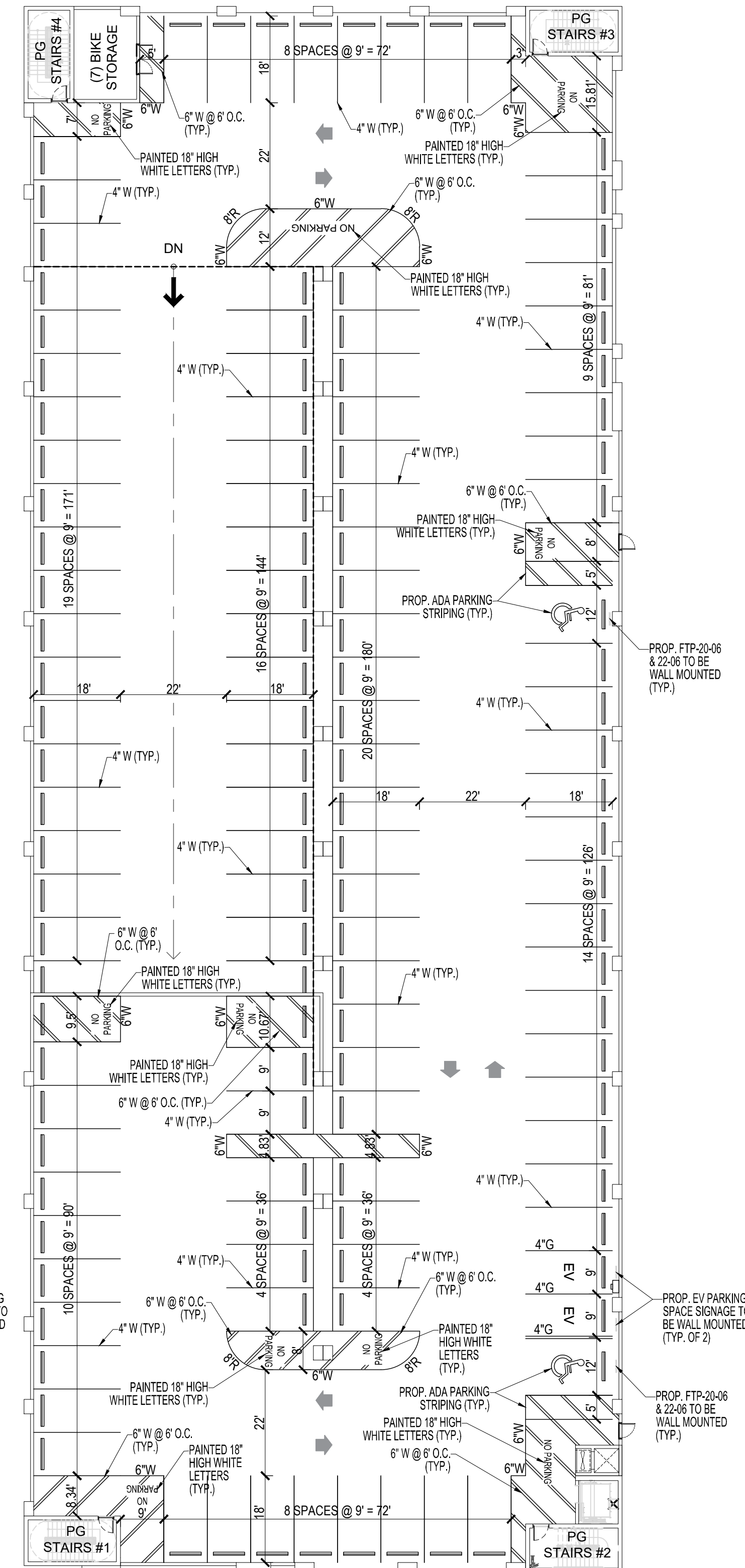
1st FLOOR



2nd FLOOR



3rd THROUGH 6th FLOOR



7th FLOOR



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1502 W. FLETCHER AVE.
UNIT NO. 101
125 W. INDIANTOWN RD.
SUITE 206
JUPITER, FL 33458
P: (813) 379-4100
P: 561-203-7503

REVISIONS:			
REV:	DATE:	COMMENT:	B

[illegible]

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Check positive response codes before you dig

TAC SUBMITTAL

PROJECT No.:	F240042
DRAWN BY:	CAJ
CHECKED BY:	MA
DATE:	05/06/2021
CAD I.D.:	F240042 PMS GARAGE

PROJECT:

HOLLYWOOD OAKS
4220 & 4231 N 58th Ave.
HOLLYWOOD, FL 3302

— FOR —
KUSHNER
188 BAL BAY DRIVE
BAL HARBOUR, FL 3315



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

A circular professional engineer seal for Michael A. Troxell. The outer ring contains the text "MICHAEL A. TROXELL" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No. 50572" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal is surrounded by a dashed circular border.

June 30, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 2752

SHEET TITLE:
**PAVEMENT MARKING
& SIGNAGE PLAN
(GARAGE)**

SHEET NUMBER: _____

PMS-1.1