SITE DEVELOPMENT DRAWINGS FOR: MERCEDES BENZ OF COCONUT CREEK ADDITION

FOR

HODGEN CONSTRUCTION 4250 NORTH STATE ROAD 7, COCONUT CREEK

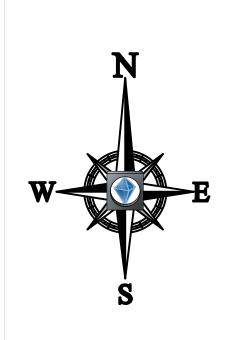
BROWARD COUNTY, FL

SECTION 18, TOWNSHIP 48, RANGE 42 E

VICINITY\AERIAL MAP

1"=200







CIVIL ENGINEER

JASON M. GUNTHER, P.E.

THOMAS ENGINEERING GROUP, LLC

1000 CORPORATE DRIVE SUITE 250
FORT LAUDERDALE, FL 33334

(P) 954.202.7000

(F) 954.202.7070

SURVEYOR

MCLAUGHLIN ENGINEERING CO.

400 NE 3RD AVE.

FORT LAUDERDALE, FL 33301

(P) 954.763.7611

PLANNER
THOMAS ENGINEERING GROUP, LLC
1000 CORPORATE DRIVE SUITE 250
FORT LAUDERDALE, FL 33334
(P) 954.202.7000
(F) 954.202.7070

LAND USE ATTORNEY
DENNIS MELE
GREENSPOON MARDER

LAND USE ATTORNEY
DENNIS MELE
GREENSPOON MARDER
100 W. CYPRESS CREEK RD, SUITE 700
FORT LAUDERDALE, FL 33309
(P) 954.527.6266
(P) 954.202.7000
(F) 954.202.7070

OWNER
MAROONE MANAGEMENT SERVICES
200 SW 1ST AVENUE SUITE 14 FLOOR
FT. LAUDERDALE, FL 33301

ARCHITECT
YSM DESIGN
LLC 1440 DUTCH VALLEY PLACE #1175
50 ATLANTA, GA 30324
(P) 404.249.4555

APPLICANT/AGENT

WESTON, FL 33326

(P) 954.727.0333

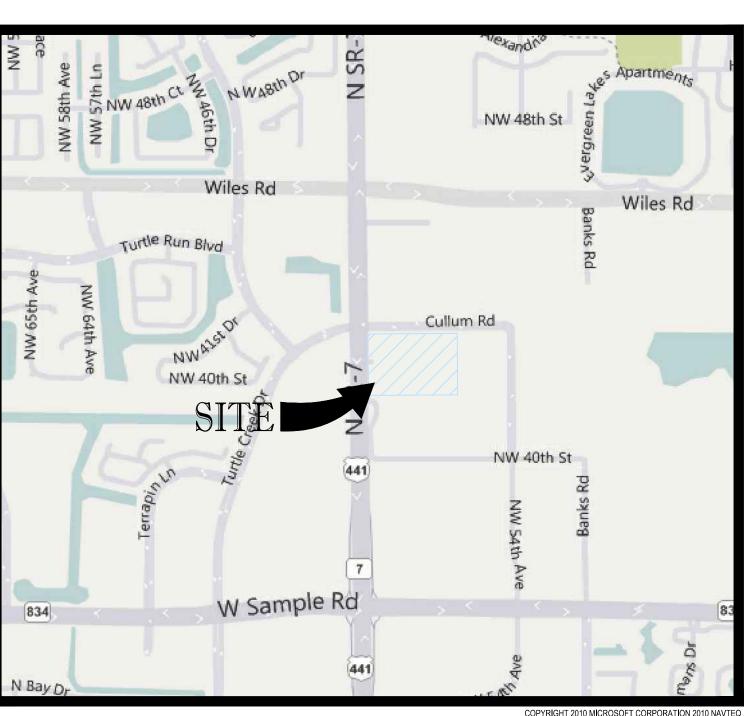
HODGEN CONSTRUCTION

17160 ROYAL PALM BLVD. SUITE 4

BRAD HODGEN

LOCATION MAP

1"=1000"



PREPARED BY



www.ThomasEngineeringGroup.com

FT. LAUDERDALE, FL. 33334

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LEGAL DESCRIPTION:

PARCEL "A", SAWGRASS RANCH, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 158, PAGE 24, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. SAID LAND SITUATE, LYING AND BEING IN THE CITY OF CONONUT CREEK, BROWARD COUNTY, FLORIDA AND CONTAINING 595,429 SQUARE FEET OR 13.669 ACRES, MORE OR LESS.

ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

OFFICES:

TAMPA, FLORIDA 33609

REV: DATE: COMMENT: BY:

www.callsunshine.com

ENTITLEMENT PHASE

PROJECT No.: F100106
DRAWN BY: CAD
CHECKED BY: JMG
DATE: 2/25/2014
CAD I.D.: 01-F100106-COVER

MERCEDES-BENZ

FOR ———
HODGEN

CONSTRUCTION

OF COCONUT CREEK

4250 NORTH STATE ROAD 7

CITY OF CORAL SPRINGS



RADICE III

1000 CORPORATE DRIVE, SUITE 250

FORT LAUDERDALE, FL 33334

PH: (954) 202-7000

FX: (954) 202-7070

www.ThomasEngineeringGroup.com

JASON M. GUNTHER

PROFESSIONAL ENGINEER
2/25/2014
FLORIDA LICENSE No. 58629
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

C-01

THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

- RECORD SURVEY PREPARED BY MCLAUGHLIN ENGINEERING COMPANY DATED 05/03/07

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT HE/SHE 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.) 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.

THE RECORD SURVEY PREPARED BY MCLAUGHLIN ENGINEERING COMPANY DATED 05/03/07, SHALL BE CONSIDERED A PART OF THESE PLANS.

THESE PLANS ARE BASED ON INFORMATION PROVIDED TO THOMAS ENGINEERING GROUP BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THOMAS ENGINEERING GROUP IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.

ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD 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 WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO THE GIVING OF SUCH NOTIFICATION AND THE ENGINEER'S WRITTEN AUTHORIZATION OF SUCH ADDITIONAL WORK.

10. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY LOCATIONS.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE SITE PLAN AND LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER OF ANY DISCREPANCIES

12. 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.

14. 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.

15. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY SHALL RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE EXISTING CONDITIONS, AND IN CONFORMANCE WITH APPLICABLE CODES. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.

16. ALL CONCRETE SHALL HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL

17. 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.

19. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME THOMAS ENGINEERING GROUP, AND ITS SUB-CONSULTANTS AS ADDITIONAL NAMED INSURERS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH THOMAS ENGINEERING GROUP 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 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.

20. THOMAS ENGINEERING GROUP 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 HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THOMAS ENGINEERING GROUP WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. THOMAS ENGINEERING GROUP 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, NOR THE PRESENCE OF THOMAS ENGINEERING GROUP 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 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 GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THOMAS ENGINEERING GROUP SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE NAMED AN ADDITIONAL INSURED. UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE.

22. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS. INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/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 RELATED TO SAME.

23. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM SHOULD BE INCLUDED IN THE

24. 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, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM

25. CONTRACTOR SHALL CONFIRM ADA ACCESSIBILITY PRIOR TO INSTALLING FINISHING COURSES OF SIDEWALKS AND PARKING AREAS.

26. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A RECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.

27. 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

28. CONTRACTOR SHALL PROVIDE MINIMUM 48 HOUR NOTICE TO ENGINEER AND APPLICABLE AGENCIES FOR SCHEDULING INSPECTIONS.

29. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND CITY OF COCONUT CREEK 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.

30. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY

31. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH M.U.T.C.D. AND APPROVED BY CITY OF COCONUT CREEK AND BROWARD COUNTY WHERE APPLICABLE PRIOR TO IMPLEMENTATION.

32. 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.

33. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE THE BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM CITY OF COCONUT CREEK.

34. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL 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.

35. 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:

1. DISTANCE AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.

B. MATERIALS: 1. ALL PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHI ORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26

WITH PUSH-ON RUBBER GASKET JOINTS. (24" SHALL BE DR-25)

2. DUCTILE IRON PIPE (DIP) SHALL BE CEMENT OR POLYLINED INSIDE AND SHALL HAVE A COAL TAR EPOXY COATING, MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C151/A21.51-86 OR LATEST REVISION, MINIMUM WALL THICKNESS CLASS 52 (4"-12") & CLASS 51 (14"-20") (UNLESS OTHERWISE

3. ALL FITTINGS AND ACCESSORIES SHALL BE AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL

C. INSTALLATION: 1. PIPE AND FITTINGS:

> a. SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, AND THE UNI-BELL PLASTICS PIPE ASSOCIATION'S 'RECOMMENDED PRACTICE FOR THE INSTALLATION OF PVC SEWER PIPE".

b. D.I.P. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600-93 OR LATEST REVISION.

c. 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 OR WHERE UNSUITABLE BEDDING EXISTS AT THE DISCRETION OF CITY OF COCONUT CREEK. ALL OTHER FILL SHALL NOT HAVE ROCK LARGER

3. SERVICE:

a. MINIMUM SLOPE OF ALL SERVICE LINES SHALL BE AS INDICATED IN THE FLORIDA BUILDING CODE.

b. SERVICE LATERALS SHALL TERMINATE AT A DEPTH 30" BELOW

FINISHED GRADE OR AS INDICATED ON PLUMBING PLAN.

c. EACH SERVICE CONNECTION SHALL BE PLUGGED WATER-TIGHT WITH AN APPROVED PLUG.

d. THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2"x4" TREATED STAKE PAINTED RED, EXTENDING 18"(MIN) ABOVE GRADE.

e. CONTRACTOR SHALL ROUGH IN RISER TO 1 FOOT

COMPLETION, CUT BACK TO FINISHED GRADE.

ABOVE FINISHED GRADE AND PLUG. AT PROJECT

f. CONNECTION OF SERVICES TO BUILDING'S PLUMBING SHALL BE COORDINATED WITH THE CITY'S BUILDING AND ZONING DEPARTMENT, PLUMBING SECTION. D. TESTING: 1. 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. 2. AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER

EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER. 3. MANHOLE LEAKAGE TEST SHALL NOT EXCEED FOUR GALLONS PER DAY PER UNIT. NO VISIBILE LEAKAGE

4. SEWER PIPE LEAKAGE ALLOWABLE SHALL NOT EXCEED 150 GALLONS PER DAY PER INCH DIAMETER PER MILE IN ATWO HOUR TEST PERIOD FOR ANY SECTION TESTED. NO VISIBLE LEAKAGE SHALL BE ALLOWED AND ALL LINES SHALL BE T.V. INSPECTED.

5. SANITARY SEWER SHALL BE TELEVISED AND LAMPED AT DEVELOPER'S EXPENSE, PRIOR TO FINAL ACCEPTANCE. OWNER / CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO CERTIFICATION TO ANY

6. VISIBLE INFILTRATION LEAKAGE INTO MANHOLES AND SEWER PIPE SHALL NOT BE

WATER DISTRIBUTION AND/OR SANITARY SEWER FORCE MAIN SYSTEM

A. GENERAL

1. 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 CITY OF COCONUT CREEK UTILITIES DEPARTMENT AND THE BROWARD COUNTY PUBLIC HEALTH UNIT.

2. BEDDING AND INITIAL BACKFILL FOR MAINS SHALL BE SAND WITH NO ROCKS LARGER THAN 1" IN DIAMETER

3. USE "DETECTO' TAPE ON ALL PVC MAINS (18" ABOVE), AND USE "NON-DETECTO" TAPE ON ALL D.I.P. MAINS (18" ABOVE).

4. A SIX (6) FOOT HORIZONTAL SEPARATION IS REQUIRED BETWEEN WATER MAINS AND OBSTRUCTIONS (I.E. CATCH BASINS, POWER POLES, INCLUDING TREES, & WATER MAINS, ETC.).

5. 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:

1. DUCTILE IRON PIPE (DIP) SHALL BE CLASS 52 UP TO 12" SIZE & 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/A21.51-91 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.

2. ALL PVC MAINS SHALL BE SERIES 1120, CLASS 150 (DR 18) PRESSURE PIPE CONFORMING TO ANSI/AWWA C900-89 OR LATEST REVISION, AND SHALL HAVE PUSH-ON JOINTS, AND IRON PIPE O.D. (PVC ON-SITE ONLY)

3. FITTINGS FOR MAINS 4" AND LARGER SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO ANSI/AWWA C110/A21.10-93 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.

4. VALVES SHALL BE GATE VALVES, IRON BODY, FULLY RESILIENT SEAT BRONZED MOUNTED NON-RISING STEM. RATED AT 200 PSI AND CONFORMING TO ANSI/AWWA C509-87 OR LATEST REVISION, AND SHALL HAVE MECHANICAL JOINTS.

a. GATE VALVES 4" AND LARGER SHALL BE MUELLER A-2360-20, RESILIENT SEATED GATE VALVES SHALL BE AMERICAN 500/2500 LINE OR CLOW F-6100, CONFORMING TO ANSI/AWWA C509-87. b. TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL..

c. GATE VALVES 3" OR LESS SHALL BE NIBCO T-133 OR T-136 WITH MALLEABLE HAND WHEELS. NO SUBSTITUTIONS ALLOWED.

5. TAPPING SLEEVES SHALL BE MUELLER H615 OR APPROVED EQUAL PER CITY OF COCONUT CREEK

6. VALVE BOXES SHALL BE TYLER/UNION 461-S OR APPROVED EQUAL PER CITY OF COCONUT CREEK.

7. RETAINER GLANDS SHALL CONFORM TO ANSI/AWWA C111/A21.11-90 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

8. DRESSER COUPLINGS SHALL BE REGULAR BLACK COUPLINGS WITH PLAIN GASKETS FOR GALVANIZED STEEL PIPE. THEY SHALL BE DRESSER STYLE 90. NO SUBSTITUTIONS ALLOWED.

9. 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 C502-85 (OR LATEST REVISION). HYDRANTS SHALL BE MUELLER CENTURION OR AMERICAN DARLING. BLUE REFLECTIVE PAVEMENT MARKER REQUIRED IN CENTER OF NEAREST DRIVING LANE FOR FIRE

10. PIPE COLOR CODING REQUIREMENT SHALL CONFORM TO 62-555.320(21) (b) (3), F.A.C.

C. SERVICE CONNECTION:

1. CORPORATION STOPS SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B-62 WITH THREADED ENDS, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.

2. CURB STOPS SHALL BE MUELLER OR APPROVED EQUAL.

3. METER STOPS SHALL BE 90 ° LOCK WING TYPE AND SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE WITH ASTM B-62. METER STOPS SHALL BE CLOSED BOTTOM DESIGN AND RESILIENT "0" 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

4. SERVICE PIPING SHALL BE TYPE 'K' DRAWN COPPER.

D. INSTALLATION:

CONNECTION OF ALL NEW SYSTEMS TO EXISTING MAINS SHALL

BE DONE BY USING ONE OF THE FOLLOWING METHODS: a. METHOD A PER BROWARD COUNTY PUBLIC HEALTH UNIT STANDARDS, WHICH INVOLVES A REDUCED SIZE TEMPORARY CONNECTION BETWEEN THE EXISTING MAIN AND THE NEW ONE.

b. METHOD B PER BROWARD COUNTY PUBLIC HEALTH UNIT STANDARDS, WHICH INVOLVES A DIRECT CONNECTION BETWEEN THE NEW AND EXISTING MAINS USING TWO GATE VALVES SEPARATED BY A SLEEVE WITH A VENT PIPE.

c. METHOD C APPROVED BY THE BROWARD COUNTY PUBLIC HEALTH UNIT, WHICH INVOLVES A TAP WITH ONE GATE VALVE REQUIRING DISINFECTION OF THE NEW SYSTEM PRIOR TO CONDUCTING THE PRESSURE TEST. 2.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 OR3/4 " WASHED ROCK WILL BE USED IN WATER OR WHERE UNSUITABLE BEDDING EXISTS AT THE DISCRETION OF THE CITY OF COCONUT CREEK . ALL OTHER FILL SHALL NOT HAVE ROCK LARGER THAN 6" IN DIAMETER

3. PVC PIPE:

a. PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION'S GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEMS.

b. PVC PIPE SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER c. DETECTOR TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL PVC MAINS APPROXIMATELY 18" ABOVE THE PIPE, COLOR SIDE UP.

4. DUCTILE PIPE:

a. D.I.P. SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C600-99 OR LATEST REVISION.

b. D.I.P. SHALL BE INSTALLED WITH A MINIMUM OF 30" COVER.

c. "NON-DETECTOR" TAPE SHALL BE INSTALLED THE FULL LENGTH OF ALL D.I.P. MAINS APPROXIMATELY 18" ABOVE THE MAIN COLOR SIDE UP

a. 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.

b. MAIN VALVES SHALL BE LOCATED ON AN EXTENSION OF THE RIGHT-OF-WAY LINE UNLESS DIMENSIONED OTHERWISE.

c. 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. d.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. 6.SERVICE:

a. COVER OVER SERVICE LINES SHALL BE 18" MINIMUM, 36" MAXIMUM BELOW FINISHED GRADE AND 36" UNDER PAVEMENT

b. SERVICES UP TO 2" SHALL BE TYPE "K" COPPER PER CITY OF COCONUT CREEK.

c. METER STOPS SHALL HAVE 8" TO 10" COVER AS REQUIRED FOR PROPER METER/BOX INSTALLATION.

d. 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

e. 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

1. 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 C600-05 OR LATEST REVISION, THE PRESSURE TEST SHALL NOT VARY MORE THAN ±5 P.S.I. DURING THE TEST.

2. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY OF COCONUT CREEK AND THE ENGINEER OF RECORD.

3. BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSI/AWWA C651-05: 150 PSI MINIMUM STARTING TEST PRESSURE, WITH BACTERIOLOGICAL SAMPLES APPROVED BY THE BROWARD COUNTY PUBLIC HEALTH DEPARTMENT

4. SAMPLING POINTS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS.IF NOT SPECIFIED, SAMPLING POINTS SHALL BE PROVIDED AT INTERVALS OF 1000' MAXIMUM FOR LINES GREATER THAN 1500' IN LENGTH.PROVIDE A MINIMUM OF TWO SAMPLING POINTS FOR ALL OTHER TEST SEGMENTS. SAMPLE POINTS MUST BE APPROVED BY BROWARD COUNTY PUBLIC HEALTH DEPARTMENT.

5. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

IN WHICH: L EQUALS THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR. S EQUALS LENGTH OF PIPE (LINEAR FEET), D EQUALS NOMINAL DIAMETER OF PIPE (INCHES) AND P EQUALS 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 DISTANCE 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 CROSSING 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

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 FARTH SHELF 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.

BY THE ENGINEER

ALL DIP SHALL BE CLASS 50 OR HIGHER. ADEQUATE PROTECTIVE

MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED

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 REFERENCE HE CENTER OF STRUCTURES.

3. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE GRADING ADJACENT TO BUILDINGS COMPLY WITH FBC SECTION 1804.3 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.

MATERIALS:

1. ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHAL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING.

2. ALL YARD DRAIN BASINS ARE TO BE HIGH DENSITY POLYETHYI FNF PRODUCT AND SHALL MEET ASTM LATEST MINIMUM STANDARDS. 3. ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AND SHALL MEET THE REQUIREMENTS OF A.S.T.M. SPECIFICATION C-478 AND 64T 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 BE MINIMUM OF fc=3750 PSI AT 28 DAYS.

C. INSTALLATION 1. PIPE SHALL BE PLACED ON A MINIMUM OF 8" STABLE GRANULAR MATERIAL FREE OF ROCK FORMATION AND

OTHER FOREIGN FORMATIONS, AND CONSTRUCTED TO A JNIFORM GRADE AND LINE. 2. 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 3. PROVIDE A MINIMUM PROTECTIVE COVER OF 18 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY

HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL NOTIFY CITY OF COCONUT CREEK ENGINEERING DEPARTMENT/ FDOT AND THE ENGINEER OF RECORD
AT LEAST 7 DAYS PRIOR TO THE START OF THE CONSTRUCTION AND INSPECTION.

A. GENERAL:

B. MATERIALS:

1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE

ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE

3. 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

 LIMEROCK BASE: (ASPHALT, VEHICULAR PAVERS AREAS) LIME ROCK BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM 8" THICKNESS AND COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100). OTHER SUBSTITUTES SHALL BE PER FDOT SPECIFICATIONS AND PROVIDE EQUIVALENT STRUCTURAL NUMBER AS ABOVE (MIN LBR 100). MIAMI LIMEROCK TO HAVE MINIMUM OF 70% CARBONATES AND LIQUID LIMIT 35 PLASTICITY OR ACCEPTABLE FDOT PRODUCT APPROVAL

2. WEARING SURFACE (ASPHALT SURFACE ONLY) INSTALLATION OF THE 1½" ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR TYPE S-III ASPHALTIC CONCRETE, AND SHALL BE CONSTRUCTED WITH 2 LIFTS OF $\frac{3}{4}$ " S-III ASPHALTIC CONCRETE WITH TACK COAT BETWEEN LIFTS.

3. REINFORCED CONCRETE SLABS SHALL BE CONSTRUCTED OF CLASS I CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI AND SHALL BE REINFORCED WITH A 6" x 6" NO. 6 GAUGE WIRE MESH.

C. INSTALLATION: 1. SUB-BASE 12" STABILIZED SUB-BASE COMPACTED TO 98% OF MAX. DRY DENSITY PER AASHTO T-180 (MIN LBR 40).

2. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

3. INSTALLATION OF THE WEARING SURFACE SHALL CONFORM WITH THE REQUIREMENTS OF THE D.O.T. STANDARD SPECIFICATIONS FOR TYPE S-I & S-III ASPHALTIC CONCRETE OR THE LATEST REVISION.

BF CORRECTED

BY THE CONTRACTOR.

D. TESTING 1. 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

2. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE ENGINEER. 3. ALL TESTING COSTS (PAVING) SHALL BE PAID FOR

4. DENSITY TESTS ON THE STABILIZED SUBGRADE SHALL BE SUPPLIED TO THE ENGINEER OF RECORD AND CITY OF COCONUT CREEK, AND APPROVED BEFORE ANY BASE IS CONSTRUCTED

5. DENSITY TESTS AND "AS-BUILTS" ON THE FINISHED BASE SHALL BE

ANY ASPHALT PAVEMENT IS CONSTRUCTED. PAVEMENT MARKING & SIGNAGES

SUPPLIED TO CITY OF COCONUT CREEK, AND APPROVED BEFORE

ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION; AND CITY OF COCONUT CREEK ENGINEERING STANDARDS.

POLLUTION PREVENTION:

THE CONTRACTOR SHALL CONTINUOUSLY ENSURE THAT THE PERIMETER OF THE SITE, INCLUDING CONSTRUCTION ENTRANCES, IS SECURED FROM ALLOWING DEBRIS TO LEAVE THE SITE DUE TO CONSTRUCTION ACTIVITY OR RAINFALL EVENTS. A WEEKLY LOG SHALL BE UPDATED AND KEPT ON-SITE IN ACCORDANCE WITH THE NPDES PERMIT. 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 GOVERMENTAL 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 "ÁS-BUIL 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 COCONUT CREEK 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

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 FFFT (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:

2. LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING

OR HOMES SHALL BE "AS-BUILT" OR WHERE THE WATER

BENDS, TEES, GATE VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, ETC. 3. ALL TIE INS TO EXISTING LINES SHALL BE "AS-BUILT". 4. THE ENDS OF ALL WATER SERVICES AT THE BUILDINGS

1. TOP OF PIPE ELEVATIONS EVERY 100 LF.

STRÚCTURES AS WELL AS SLOPES.

A. TOP OF WET WELL ELEVATION

BOTTOM OF THE WET WELL

SERVICE TERMINATES. H. "AS-BUILTS" OF ALL GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION: 1. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN

2. 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. 3. LIFT STATION "AS-BUILTS" SHALL CONSIST OF

B. INVERT ELEVATION OF THE INCOMING LINE

"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:

1. RIMS, INVERTS AND LENGTH OF PIPING BETWEEN STRÚCTURES AND WEIR ELEVATIONS IF APPLICABLE. 2. THE SIZE OF THE PIPING SHALL BE VERIFIED BY THE SURVEY CREW AT THE TIME OF "AS-BUILT" 3. DRAINAGE WELL STRUCTURE "AS-BUILTS" SHALL INCLUDE. BUT NOT BE LIMITED TO, TOP OF CASING ELEVATION, TOP AND BOTTOM ELEVATIONS OF THE BAFFLE WALLS,

ALL ROCK "AS-BUILTS" FOR PARKING LOT AREAS SHALI CONSIST OF THE FOLLOWING:

RIM ELEVATIONS AND INVERTS OF PIPING

THE DESIGN PLANS.

AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY. 2. ROCK "AS-BUILTS" SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON

1. ROCK ELEVATIONS AT ALL HIGH AND LOW POINTS, AND

3. ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS SHALL

4. ELEVATIONS AROUND ISLAND AREAS WILL ALSO BE 5. WHERE CONCRETE IS TO BE USED AS A FINISHED PRODUCT FOR THE ROADWAY OR PARKING LOT ROCK "AS-BUILTS" WILL BE REQUIRED AS INDICTED ABOVE, AS WELL AS "AS-BUILTS" ON THE FINISHED CONCRETE AT LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN

ON THE DESIGN PLANS 6. "AS-BUILTS" SHALL BE TAKEN ON ALL PAVED AND UNPAVED SWALES, PRIOR TO PLACEMENT OF ASPHALT OR TOPSOIL/SOD, AT ENOUGH INTERMEDIATE POINTS CONFIRM SLOPE CONSISTENCY AND CONFORMANCE

TO THE PLAN DETAILS. 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 ALONG 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,

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 CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS

SHALL BE SWEPT BROOM CLEAN. 2. 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

3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR HAS 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 THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

METHODS SHALL BE USED FOR SUCH RESTORATION

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 AND MAPPER AT THE CONTRACTOR'S EXPENSE.

C. ALL PAVED & UNPAVED SURFACES DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.

COMMENT

REVISIONS

KNOW WHAT'S BELO **ALWAYS CALL 81** BEFORE YOU DIC It's fast. It's free. It's the law www.callsunshine.com

ENTITLEMENT PHASE

CHECKED BY

PROJECT N

DRAWN BY

PROJECT

MERCEDES-BENZ

OF COCONUT CREEK

HODGEN

CONSTRUCTION

02-F100106-NOTES

— FOR **—**

4250 NORTH STATE ROAD 7

CITY OF CORAL SPRINGS

BROWARD COUNTY, FLORIDA

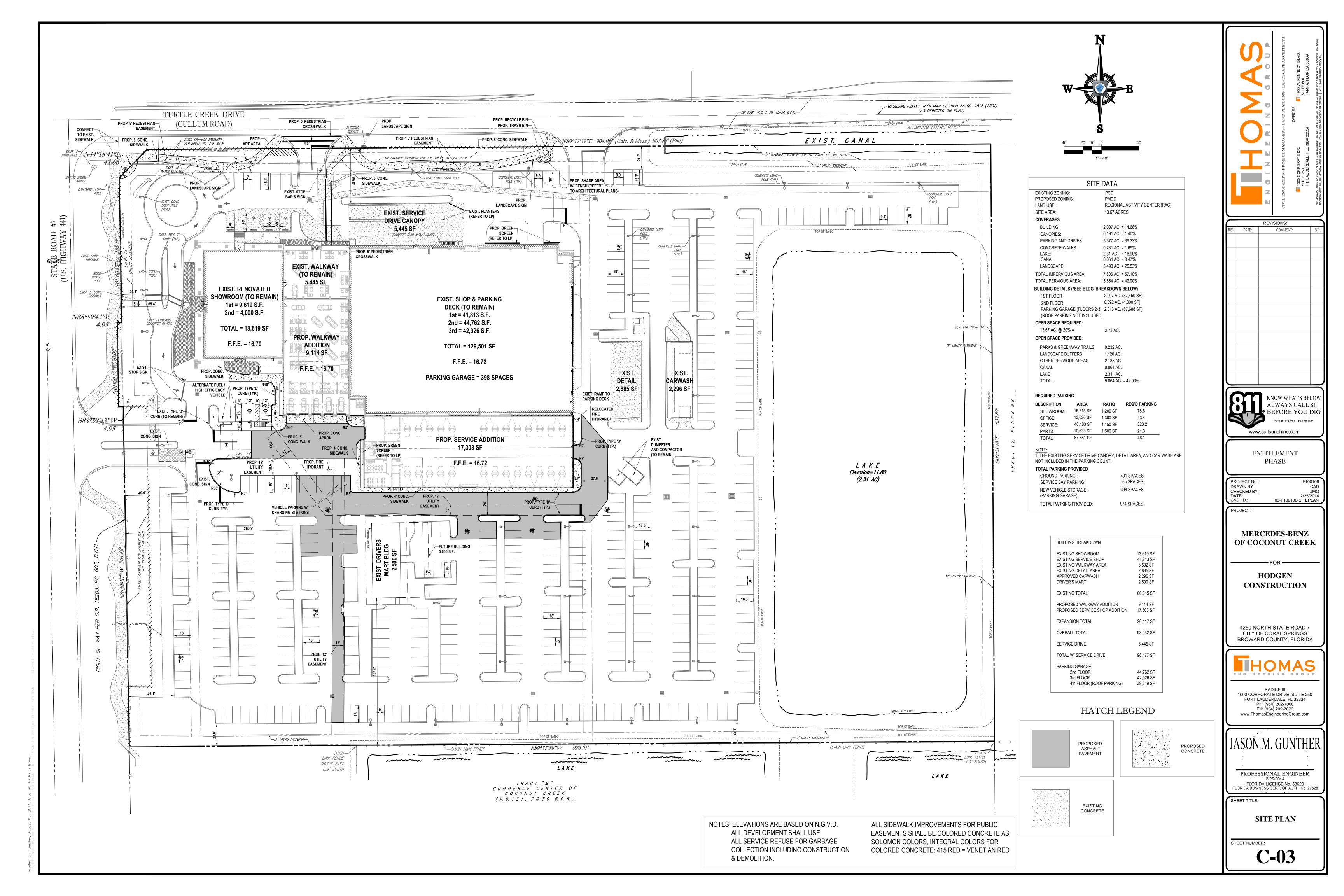
RADICE III 1000 CORPORATE DRIVE, SUITE 250 FORT I AUDERDALE, FL 33334 PH: (954) 202-7000 FX: (954) 202-7070 www.ThomasEngineeringGroup.com

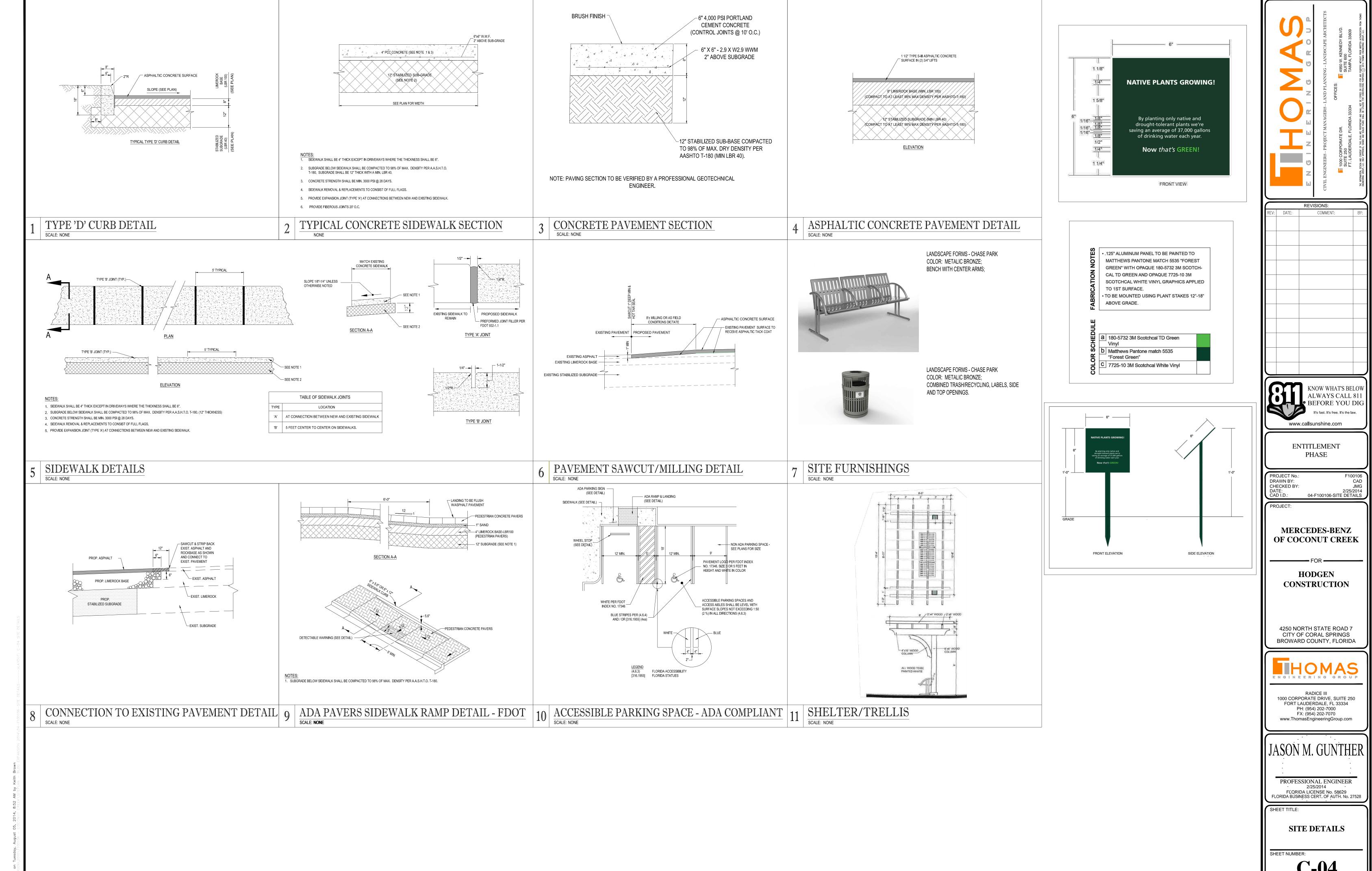
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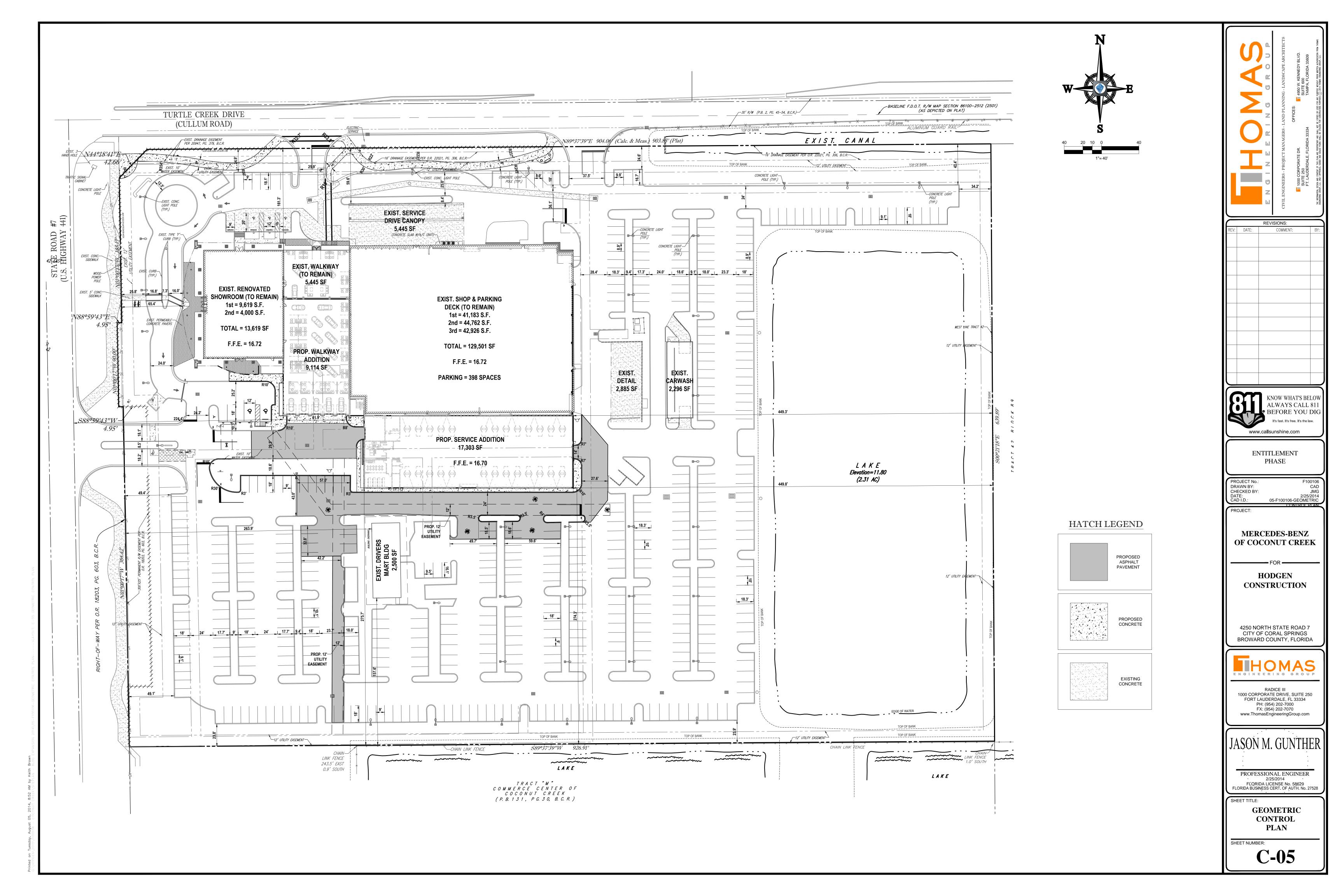
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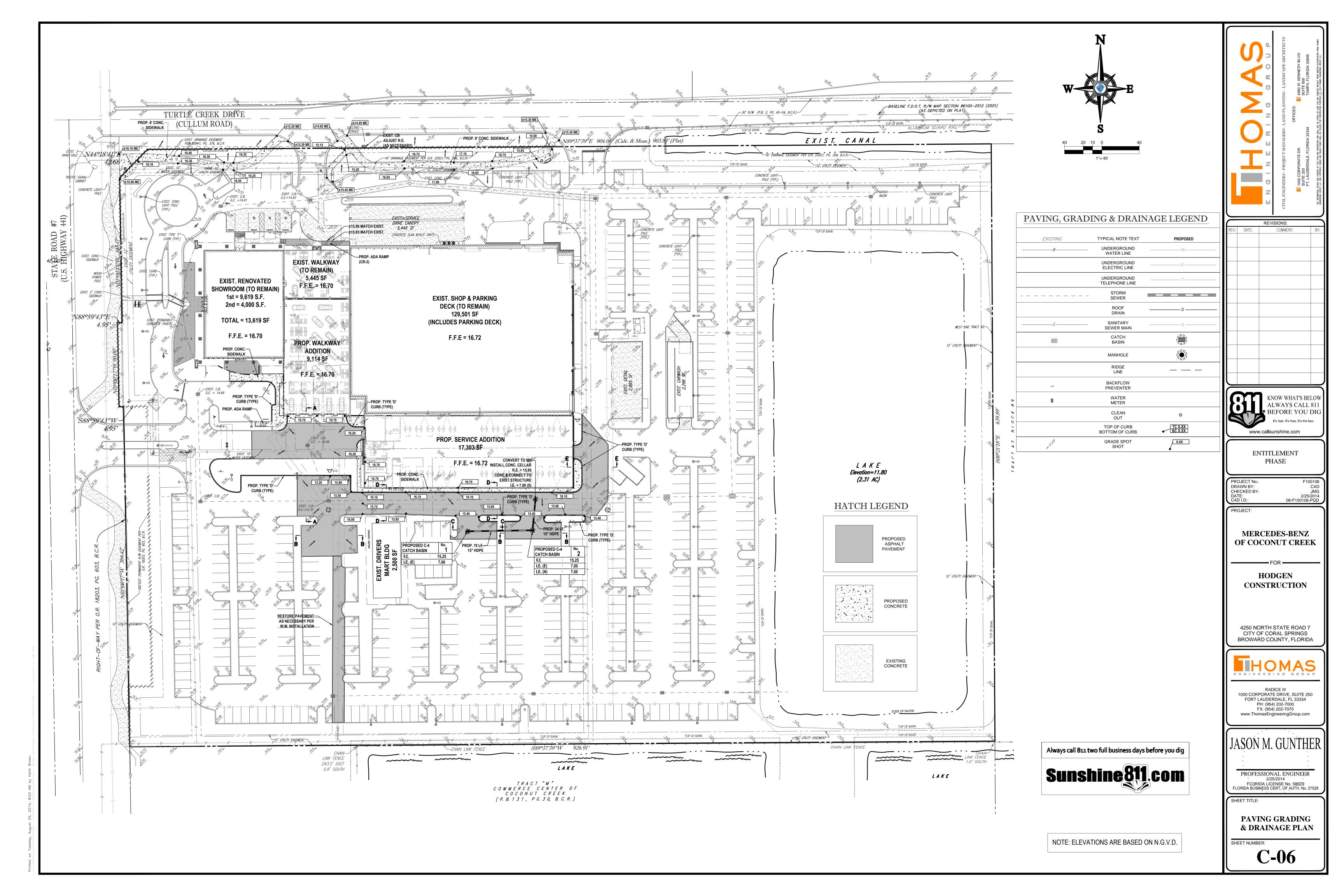
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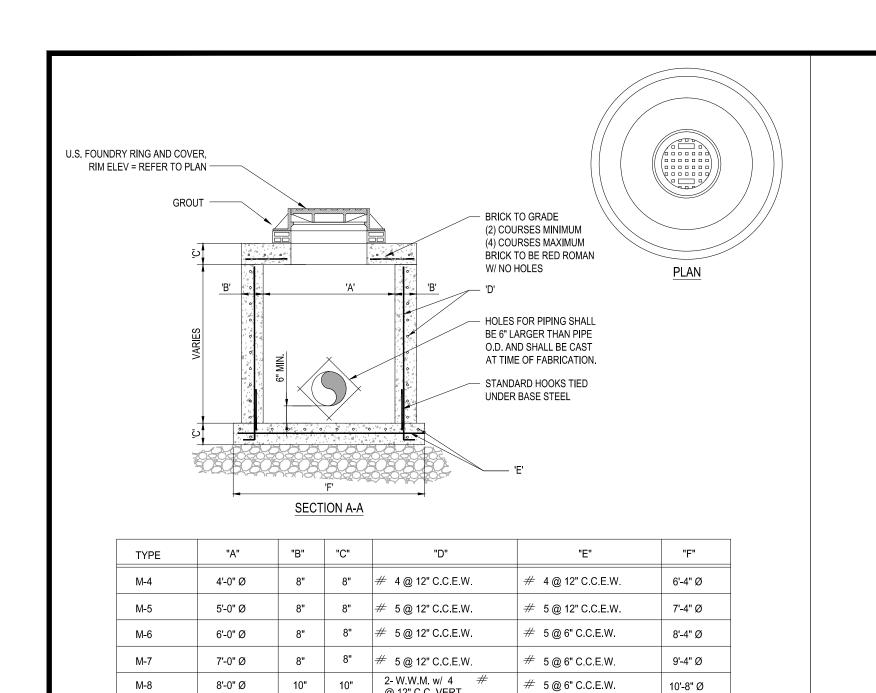
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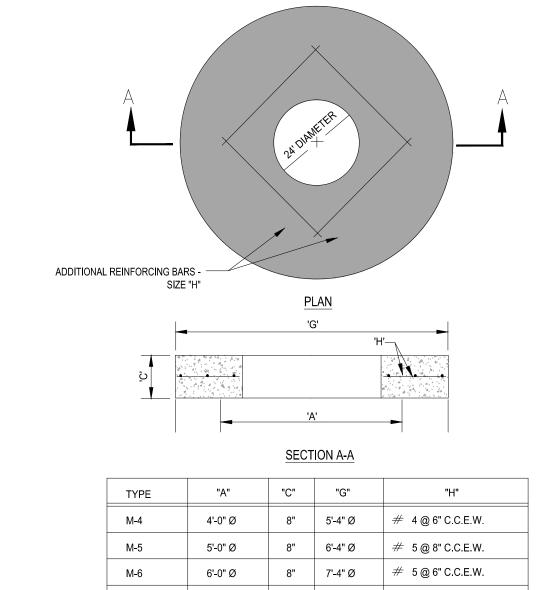


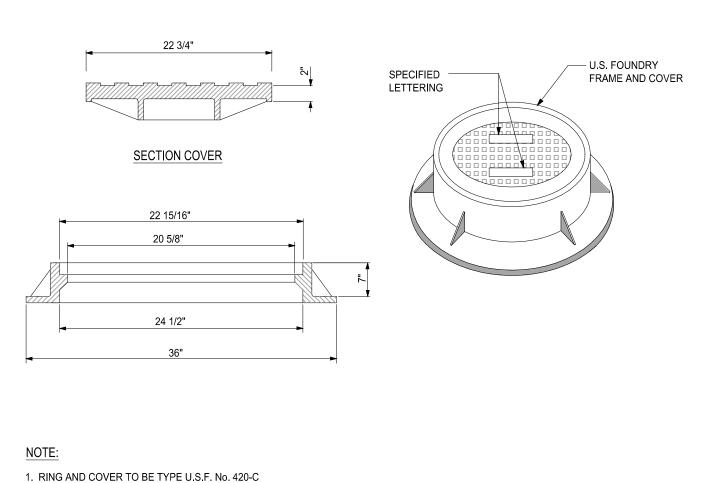


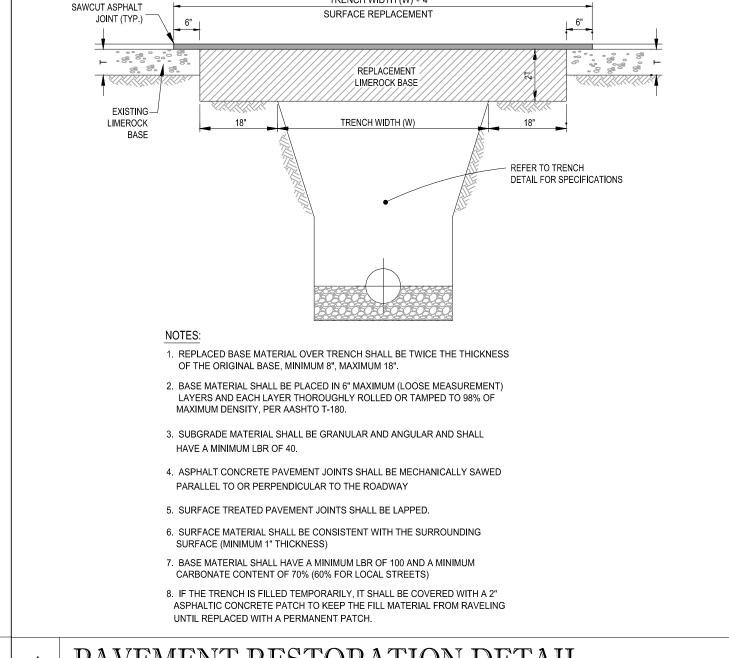












TRENCH WIDTH (W) + 4'

PRECAST CIRCULAR DRAINAGE MANHOLE SCALE: NONE

PRECAST CONCRETE-TOP SLAB FOR DRAINAGE MANHOLES 3 MANHOLE FRAME DETAIL USF No. 420-C

8" 8'-4" Ø

10" 9'-8" Ø

5@6"CCEW

5 @ 6" C.C.E.W.

7'-0" Ø

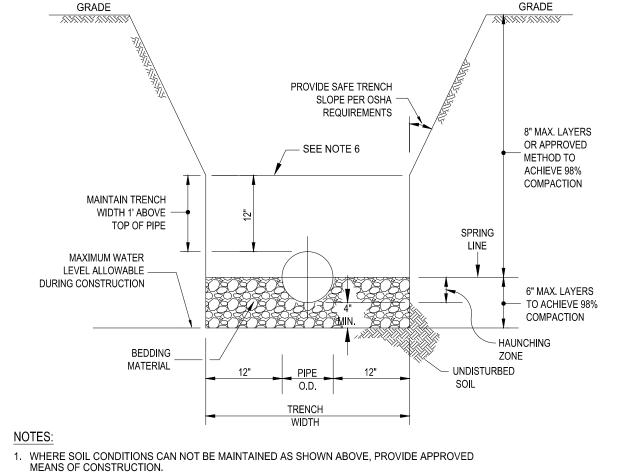
4 PAVEMENT RESTORATION DETAIL SCALE: NONE

TRENCH WIDTH VARIES SEE SCHEDULE - 3500 P.S.I. EXISTING EXISTING-CONC. CONC. PAV. CONC. PAV. EXISTING UNDISTURBED BASE MATERIAL DOWEL (#5 BAR @ 18" O/C) REFER TO TRENCH -SEE SCHEDULE

TYPICAL PERMANENT REPAIR SECTION FOR P.C. CONC. PAVING

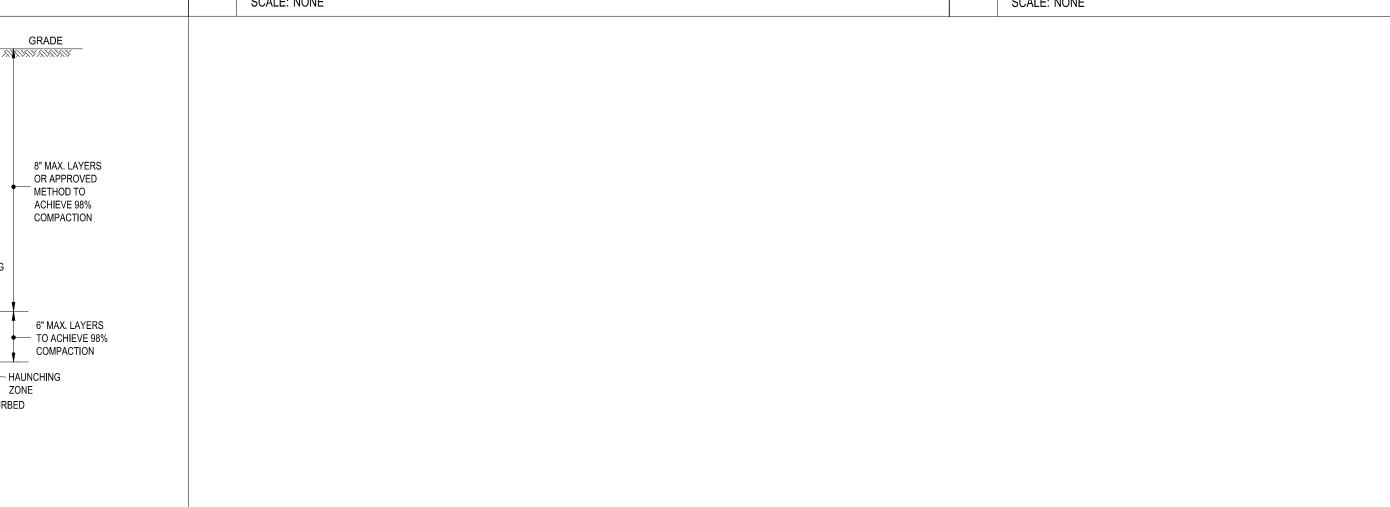
TRENCH WIDTH SCHEDULE						
PIPE SIZE I.D.	12" & LESS	15" TO 21"	24" TO 30"	33" TO 54"	60" & OVER	
TRENCH WIDTH (W/O SHORING)	24"	O.D. + 12"	O.D. + 18"	O.D. + 15"	O.D. + 15"	
TRENCH WIDTH (W SHORING)	36"	O.D. + 24"	O.D. + 30"	O.D. + 30"	O.D. + 36"	

PAVEMENT RESTORATION DETAIL (CONCRETE)



- 2. BEDDING MATERIAL SHALL CONSIST OF WELL GRADED ASTM C33 #67 ROCK (3/4" TO No.4) AND BE PLACED TO SPRING LINE OF PIPE.
- 3. BACKFILL MATERIAL SHALL BE FREE OF MUCK, STUMPS, ROOTS, ROCKS OR OTHER MATERIAL UNACCEPTABLE TO ENGINEER.
- 4. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.
- 5. REFER TO SPECIFICATIONS FOR EXCAVATION IN MUCK OR OTHER UNSUITABLE MATERIAL. 6. COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180.
- 7. MECHANICAL COMPACTION NOT ALLOWED BELOW THIS LEVEL (WITHIN 12" OF TOP OF PIPE).
- 8. THOROUGHLY WORK IN AND TAMP THE BEDDING MATERIAL IN THE HAUNCHING ZONE BEFORE PLACING AND COMPACTING REMAINDER OF BACKFILL.

6 STORM-DRAIN TRENCH DETAIL



ENTITLEMENT PHASE

DRAWN BY:

www.callsunshine.com

ALWAYS CALL 811 BEFORE YOU DIG

REVISIONS:

COMMENT:

CHECKED BY: DATE: CAD I.D.: 07-F100106- PGD DETAILS

MERCEDES-BENZ OF COCONUT CREEK

HODGEN

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS

BROWARD COUNTY, FLORIDA

CONSTRUCTION



RADICE III 1000 CORPORATE DRIVE, SUITE 250 FORT LAUDENDALE, FL 33334 PH: (954) 202-7000 FX: (954) 202-7070 www.ThomasEngineeringGroup.com

JASON M. GUNTHER

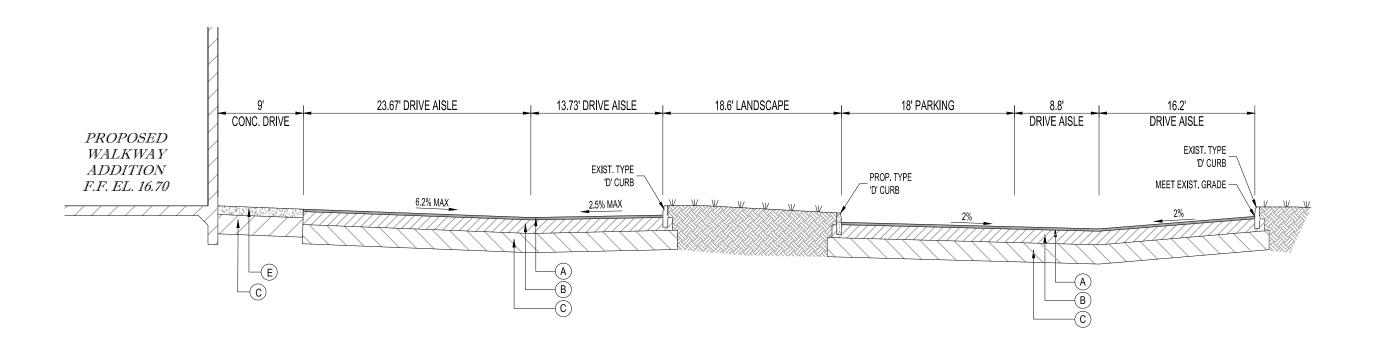
PROFESSIONAL ENGINEER 2/25/2014 FLORIDA LICENSE No. 58629 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

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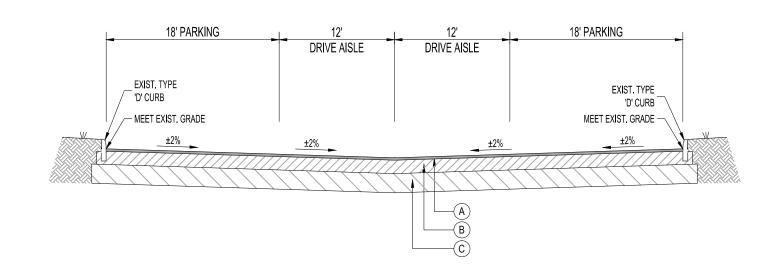
PAVING, GRADING & DRAINAGE DETAILS

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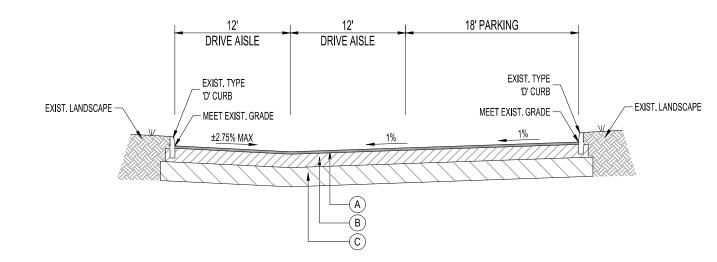
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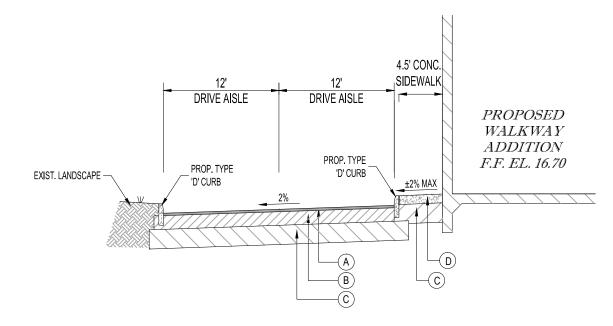
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SECTION B-B NOT TO SCALE



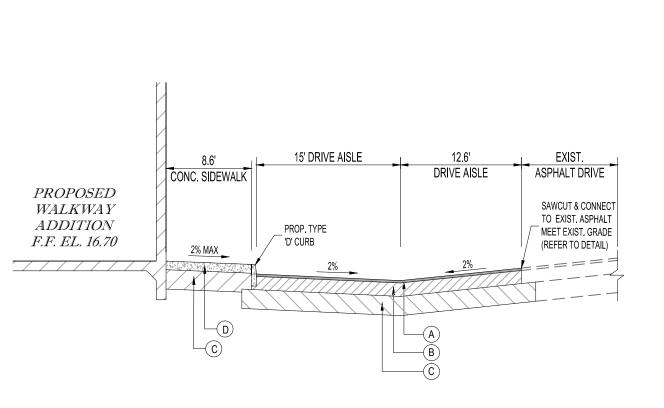
SECTION C-C
NOT TO SCALE



SECTION D-D NOT TO SCALE SECTION E-E
NOT TO SCALE

PAVEMENT LEGEND

- WEARING SURFACE: (ASPHALT AREAS ONLY)
 INSTALLATION OF THE 1½" ASPHALTIC CONCRETE SURFACE
 COURSE SHALL CONFORM WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF
 TRANSPORTATION STANDARD SPECIFICATIONS FOR TYPE S-III ASPHALTIC CONCRETE, AND
 SHALL BE CONSTRUCTED WITH (2) LIFTS OF ¾" S-III ASPHALTIC CONCRETE WITH TACK COAT
 BETWEEN LIFTS. (VIRGIN ASPHALT TO BE USED FOR FINAL LIFT.)
- LIME ROCK BASE: (ASPHALT, VEHICULAR PAVERS AREAS)
 LIME ROCK BASE COURSE MATERIAL FOR PAVED AREAS SHALL
 BE A MINIMUM 8" THICKNESS AND COMPACTED TO 98%
 MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100). OTHER
 SUBSTITUTES SHALL BE PER FDOT SPECIFICATIONS AND PROVIDE
 EQUIVALENT STRUCTURAL NUMBER AS ABOVE (MIN LBR 100) WITH ENGINEER'S APPROVAL.
 LIMEROCK SHALL EXTEND 12" BEYOND ASPHALT LIMITS.
- SUB-BASE: 12" STABILIZED SUB-BASE COMPACTED TO 98% OF MAX. DRY DENSITY PER AASHTO T-180 (MIN LBR 40). SUBGRADE SHOULD EXTEND 12" BEYOND LIMEROCK LIMITS.
- COMPACTED SUBGRADE: (WALKWAYS)
 COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180.
- CONCRETE SIDEWALK: 4" THICK 3000 P.S.I. CONCRETE @ 28 DAYS EXCEPT IN DRIVEWAYS WHERE THICKNESS SHALL BE 6" AND 4,000 P.S.I.



ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

OFFICES:

FIL 4950 W. KENNEDY BLVD.
SUITE 250
FT. LAUDERDALE, FLORIDA 33334
TAMPA, FLORIDA 33609

REV: DATE: COMMENT: BY:

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

ENTITLEMENT PHASE

 PROJECT No.:
 F100106

 DRAWN BY:
 CAD

 CHECKED BY:
 JMG

 DATE:
 2/25/2014

 CAD I.D.:
 08-F100106- SECTIONS

PROJECT:

MERCEDES-BENZ OF COCONUT CREEK

FOR —

HODGEN CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



RADICE III
1000 CORPORATE DRIVE, SUITE 250
FORT LAUDERDALE, FL 33334
PH: (954) 202-7000
FX: (954) 202-7070
www.ThomasEngineeringGroup.com

JASON M. GUNTHER

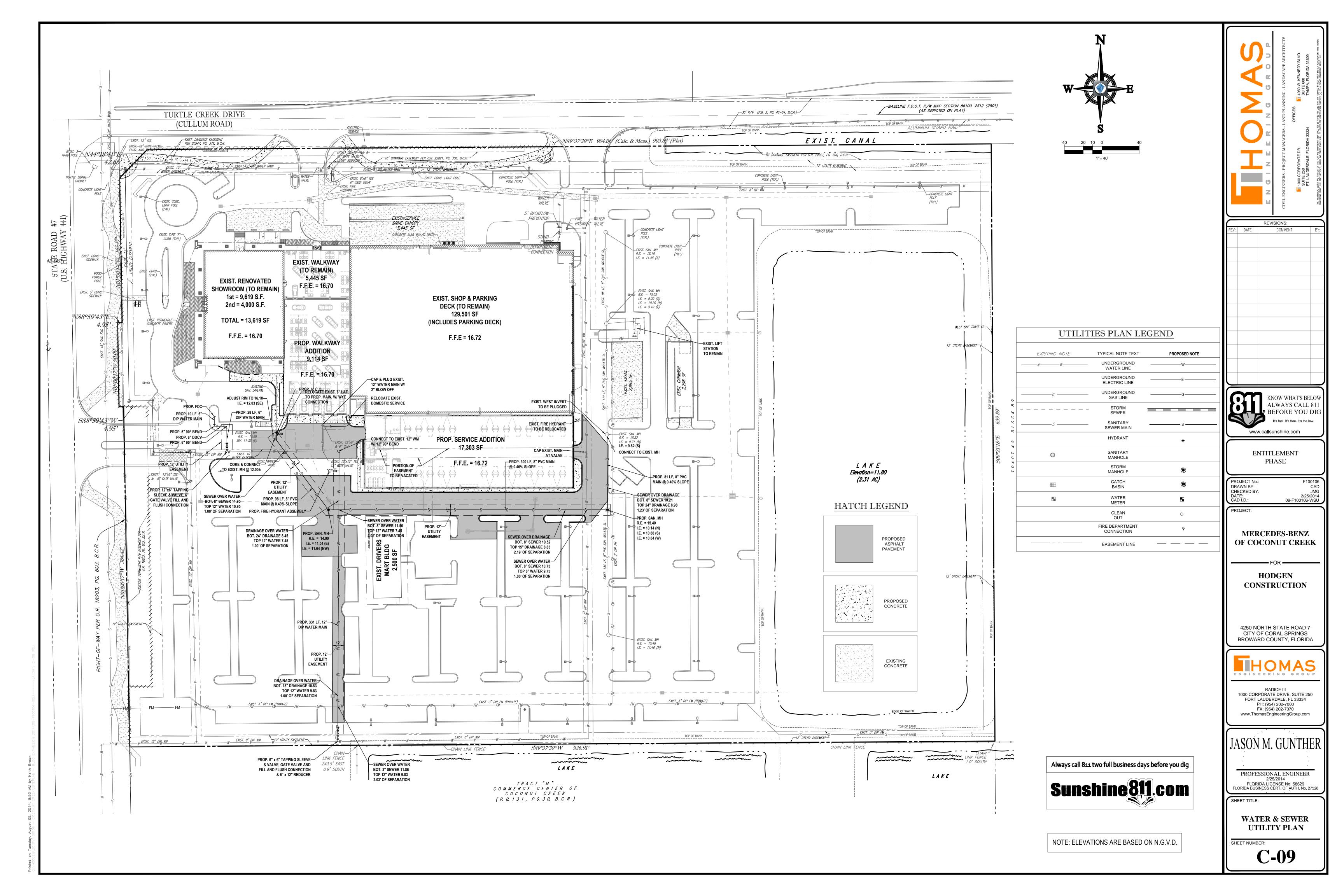
PROFESSIONAL ENGINEER
2/25/2014
FLORIDA LICENSE No. 58629
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

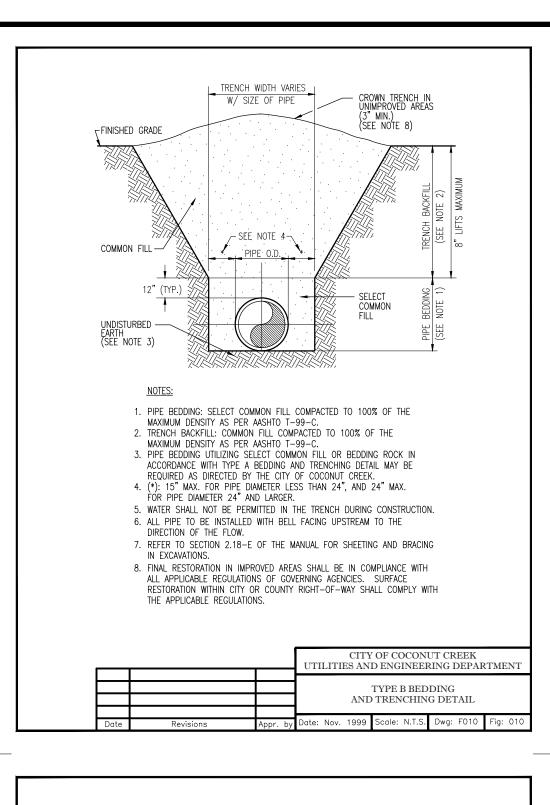
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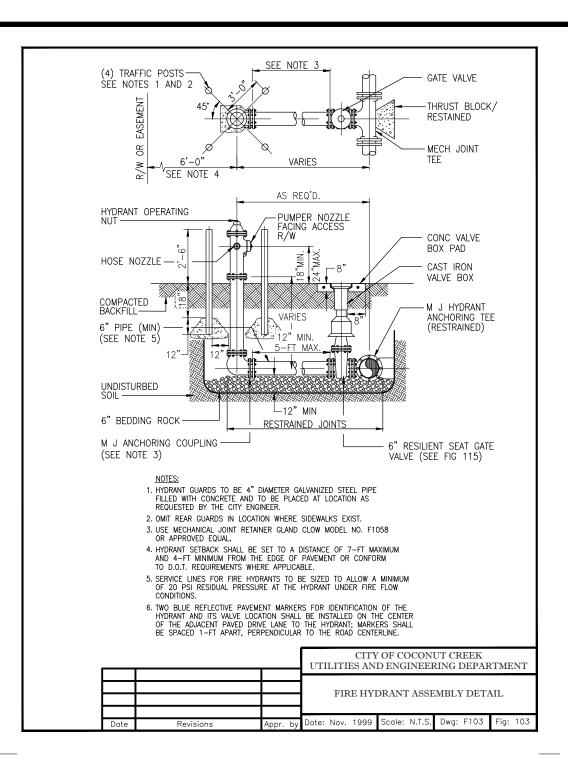
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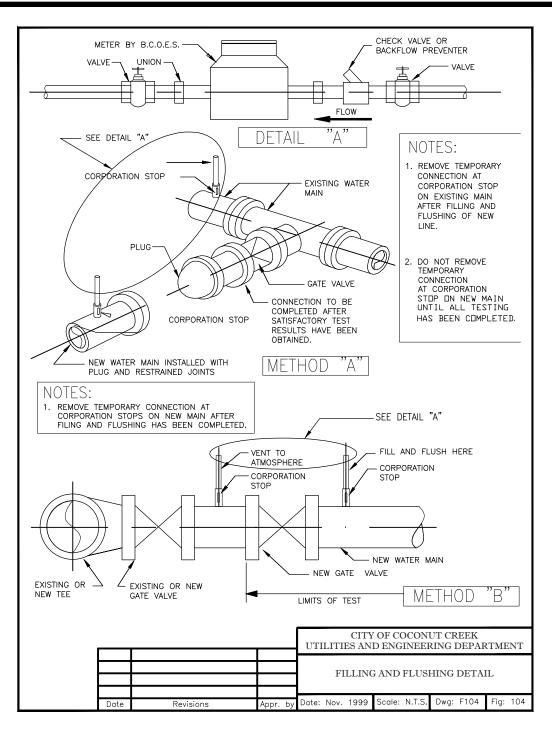
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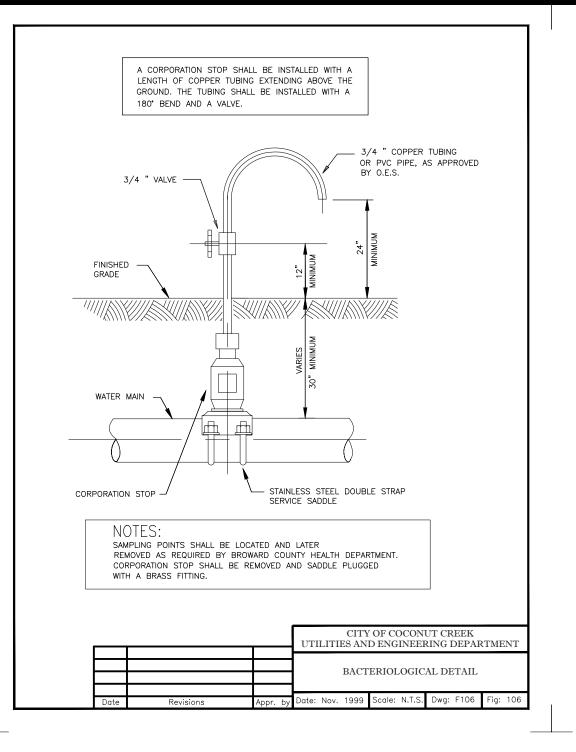
C-08

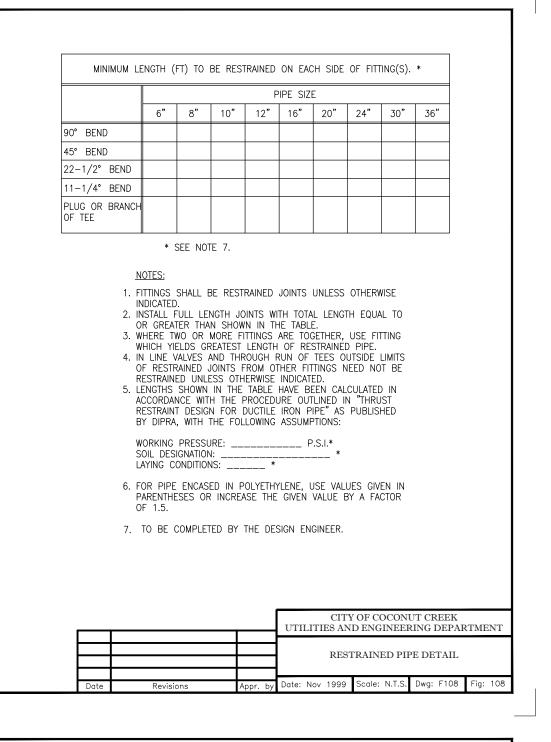


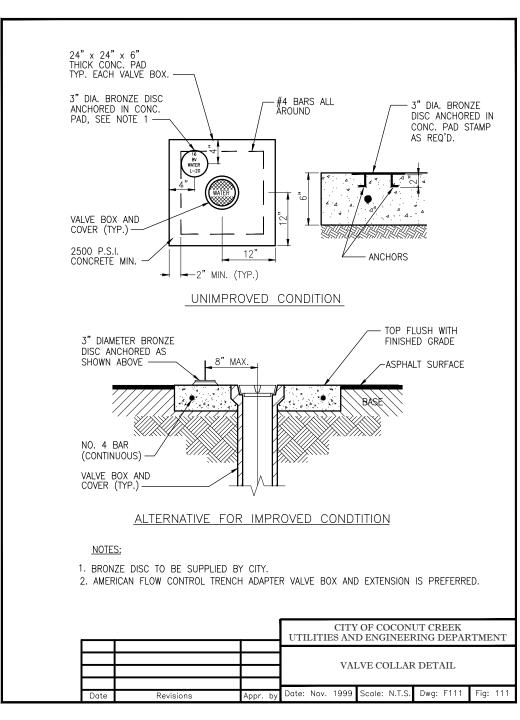


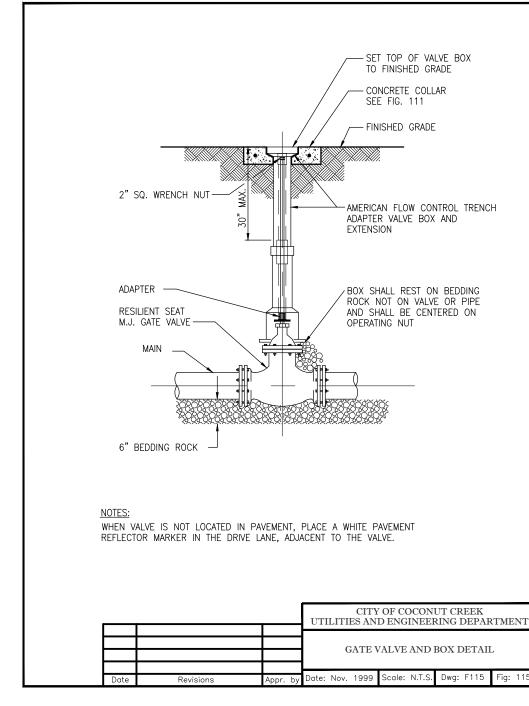


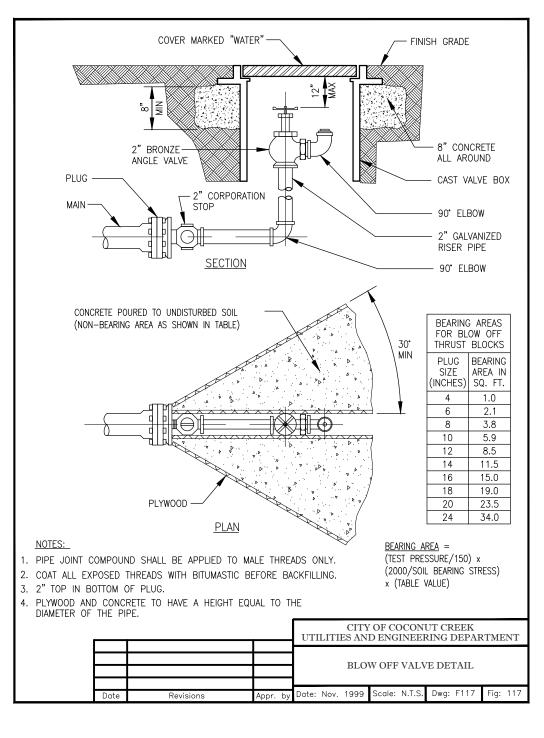


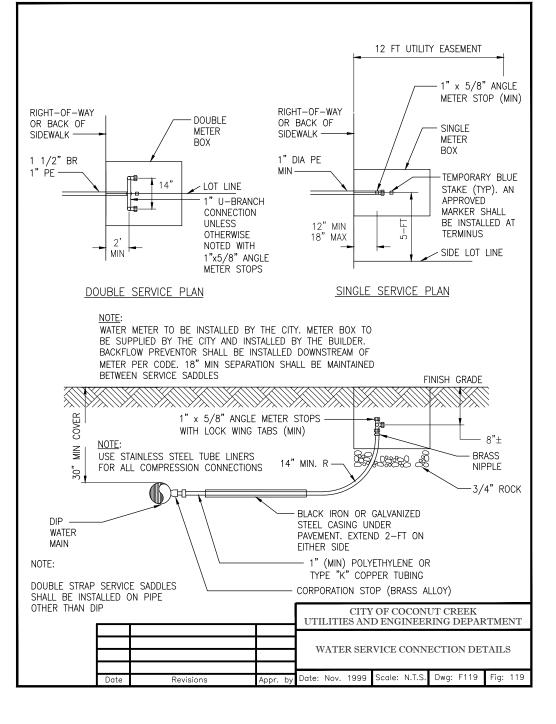


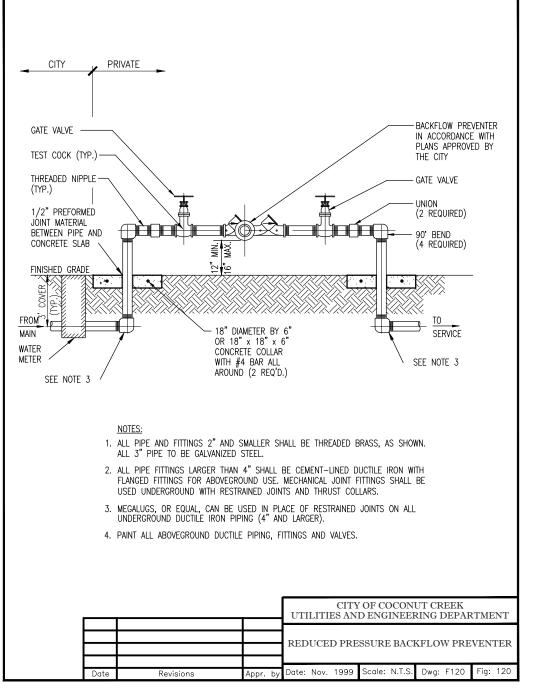


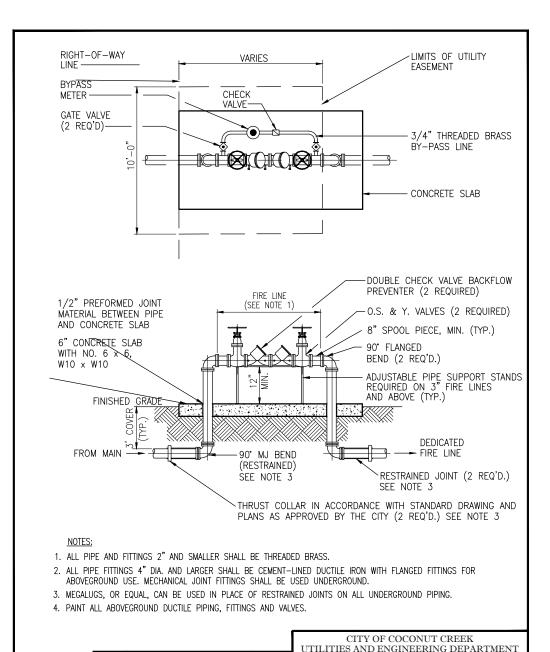






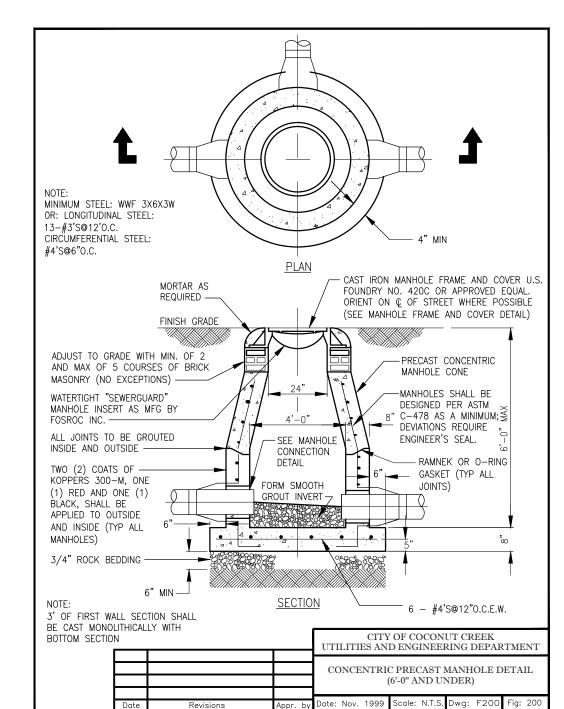


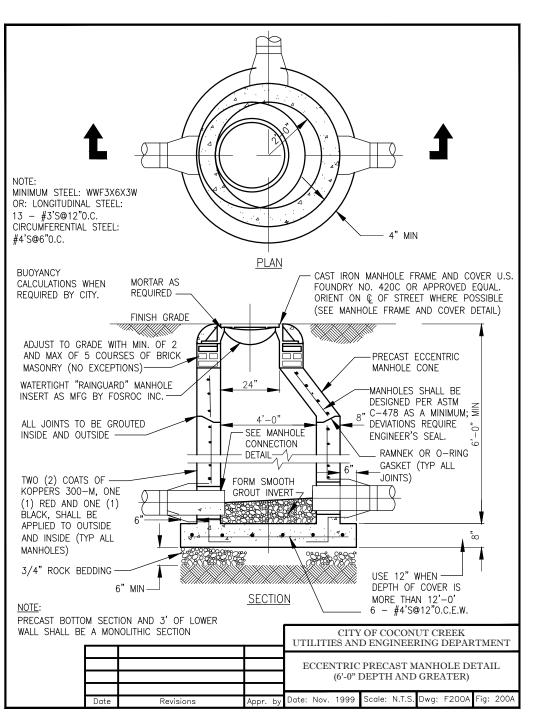


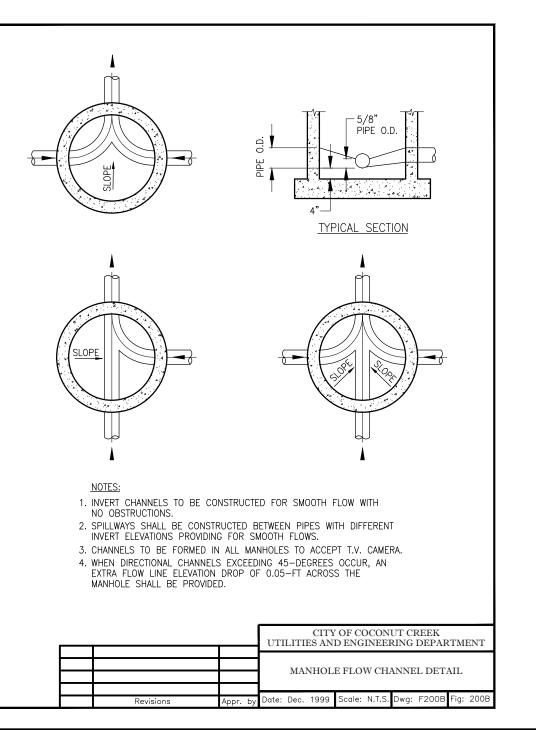


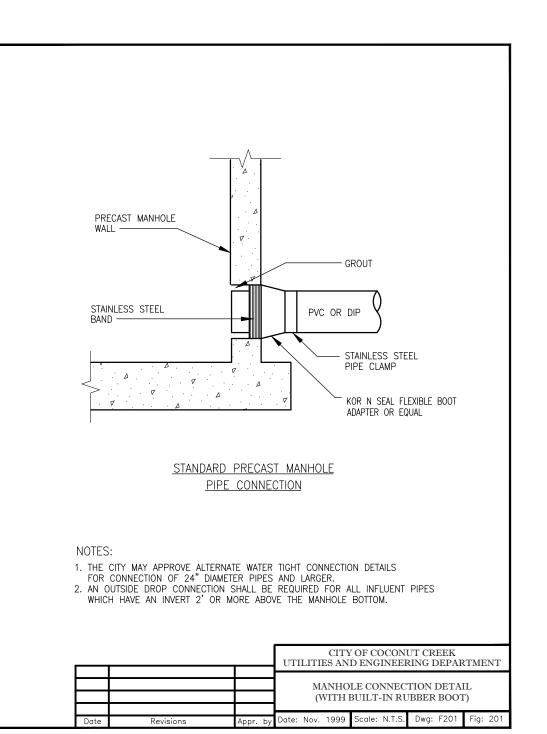
FIRELINE DOUBLE DETECTOR

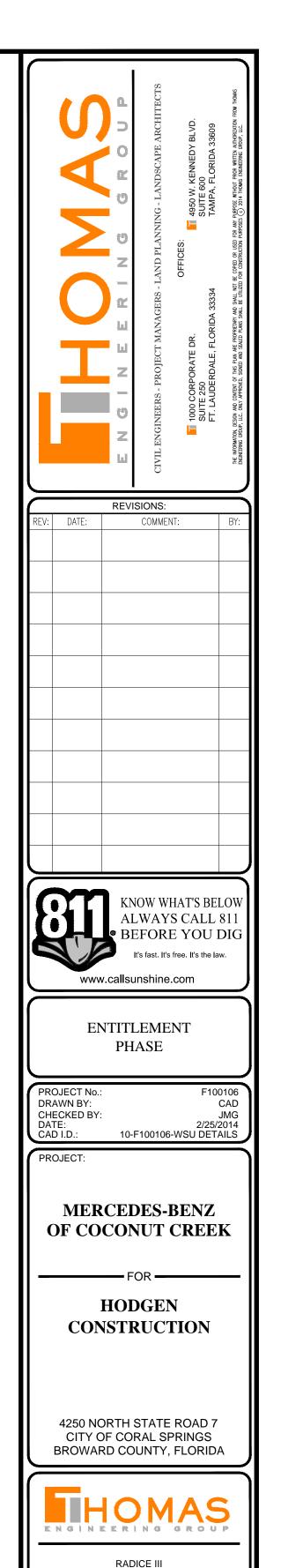
Date: Nov. 1999 | Scale: N.T.S. | Dwg: F121 | Fig: 121











Printed on Tuesday, August 05, 2014, 8:53 AM by Keith Brown G.N. HONDEN NOTON FLOOTIGE - COCONITY CREEK SITEDIAN - BING FYD.

WATER & SEWER UTILITY DETAILS

SHEET NUMBER:

1000 CORPORATE DRIVE, SUITE 250

FORT LAUDERDALE, FL 33334

PH: (954) 202-7000

FX: (954) 202-7070

www.ThomasEngineeringGroup.com

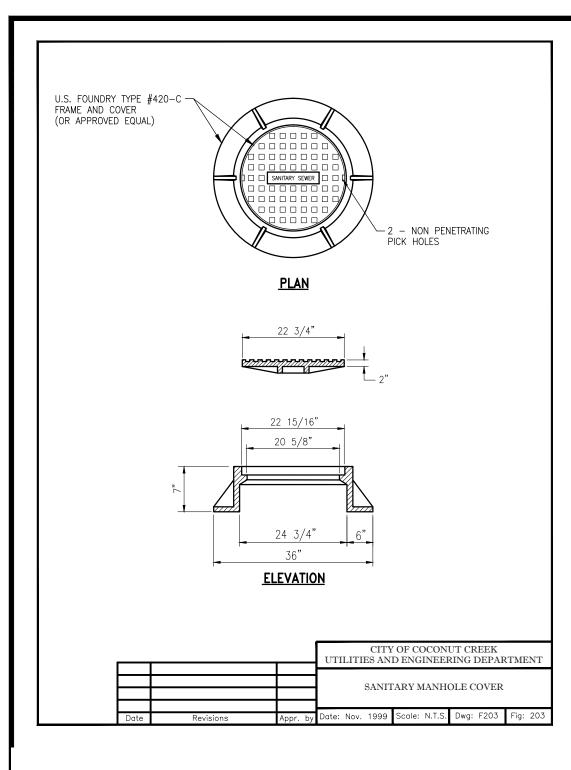
PROFESSIONAL ENGINEER

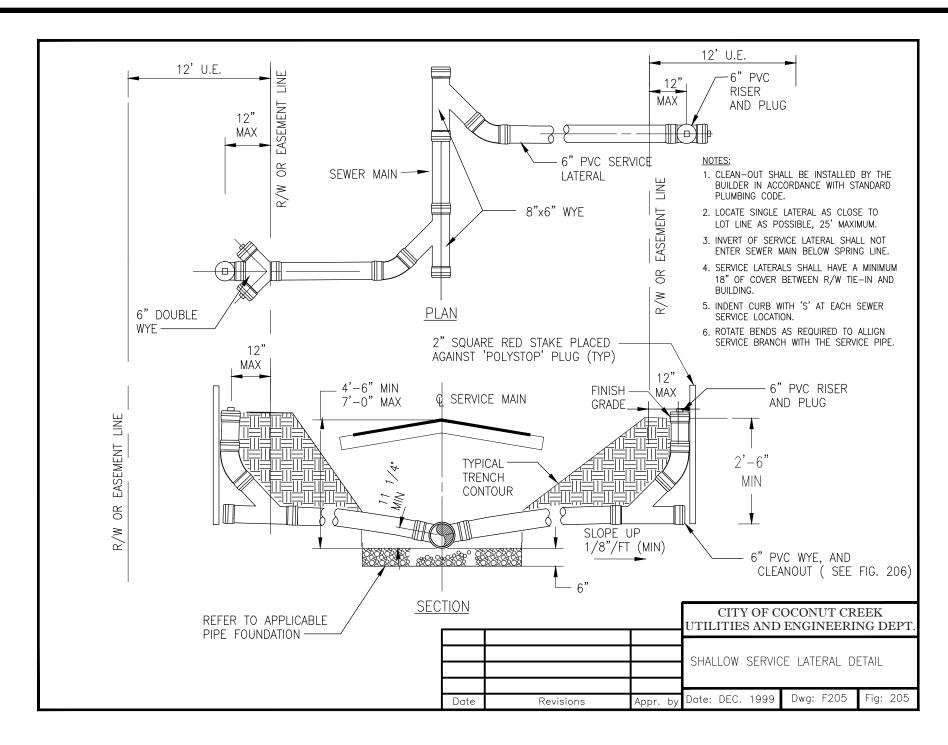
2/25/2014

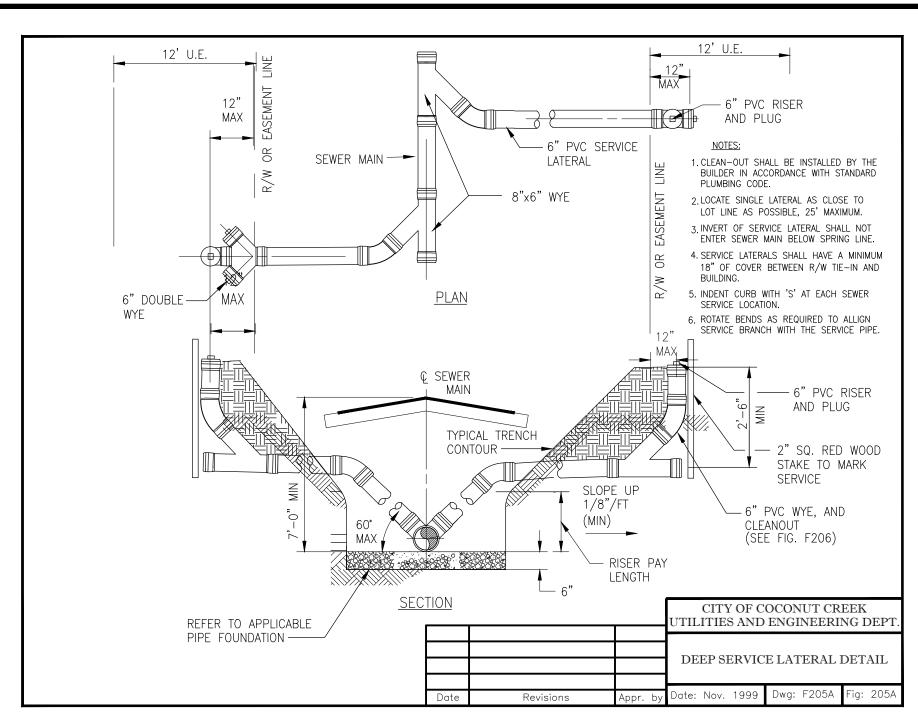
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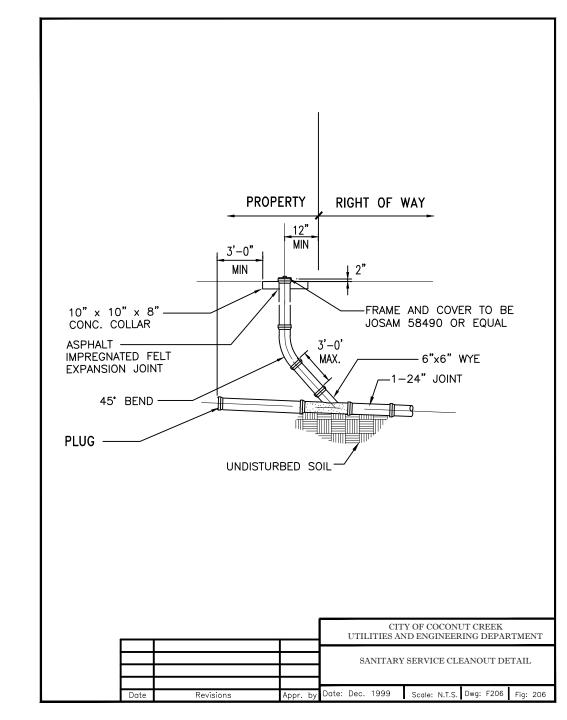
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

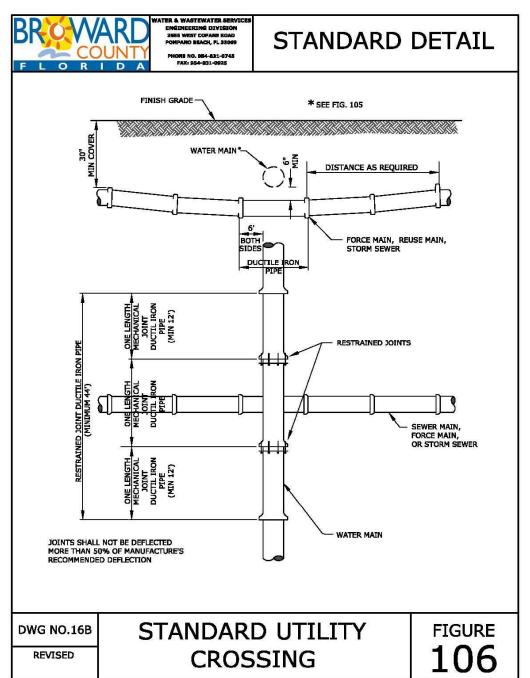
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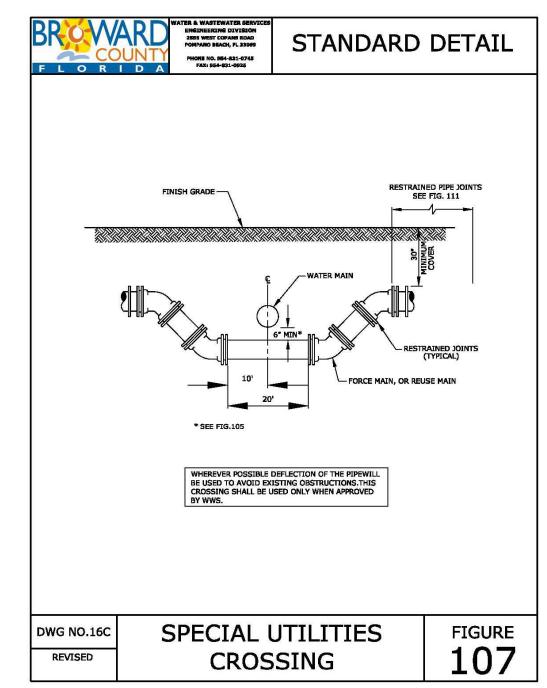




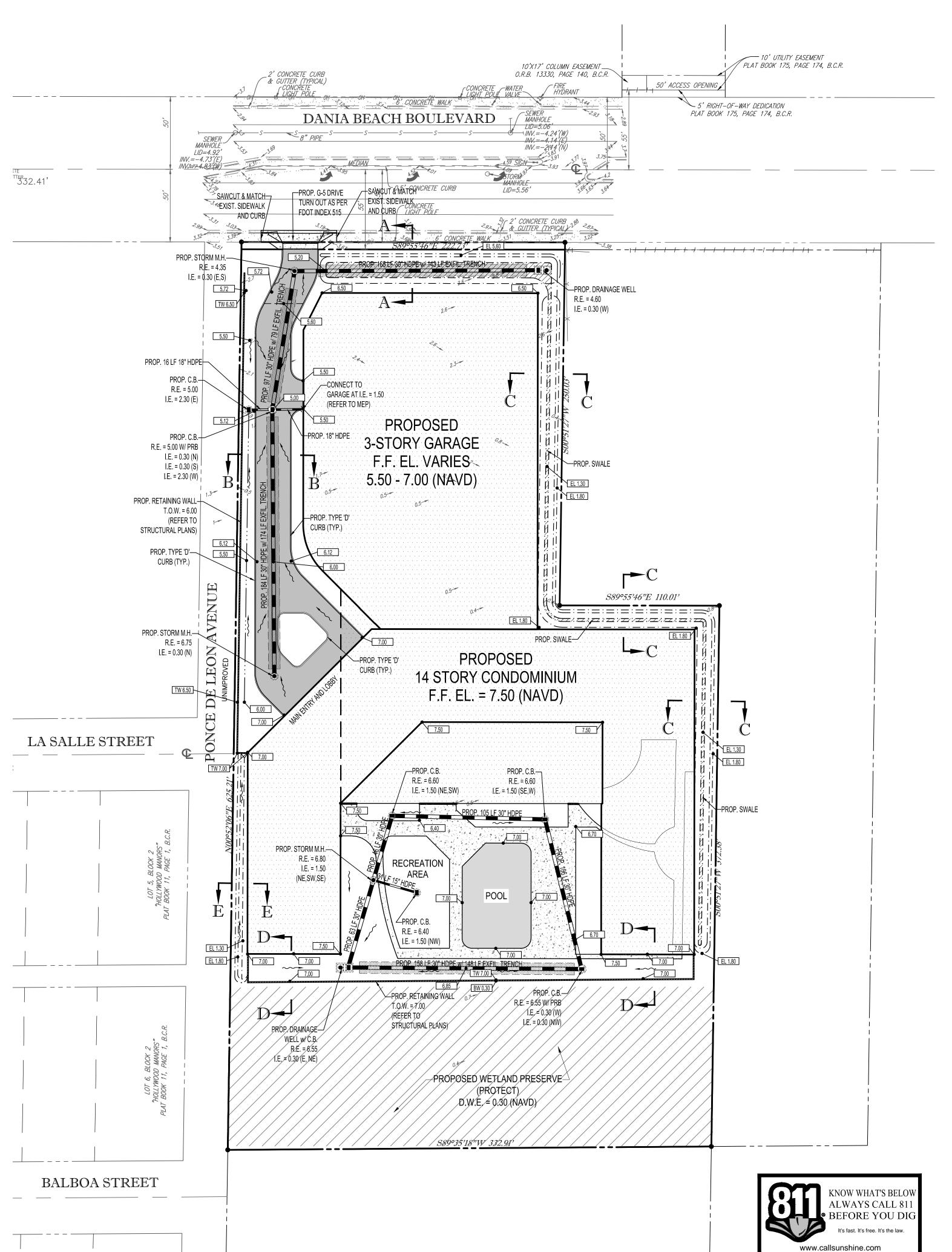


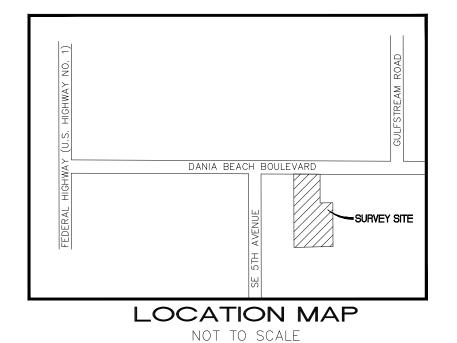


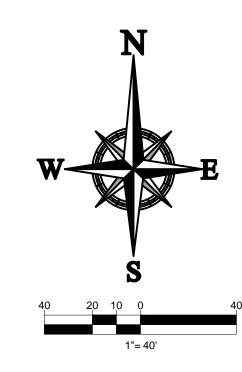












LEGAL DESCRIPTION

ALL THAT PART OF THE EAST HALF (E 1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 50 SOUTH, RANGE 42 EAST, LYING SOUTH OF SOUTH RIGHT-OF-WAY LINE OF STATE ROAD A1A, (ALSO KNOWN AS EAST DANIA BEACH BOULEVARD) LESS THE EAST 110 FEET OF THE NORTH 250 FEET OF THE SAID PARCEL LYING SOUTH OF SAID RIGHT-OF-WAY.

CONSTRUCTION NOTES:

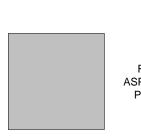
- 1. CONTRACTOR TO SAW-CUT AT ALL LOCATIONS OF REMOVAL OF EXISTING CONC. SIDEWALK, CONC. CURB AND ASPHALT UNLESS OTHERWISE NOTED. ALL BASE AND SUBASE MATERIAL SHALL BE REMOVED WITHIN THE PROPOSED LANDSCAPED AREA.
- 2. CONTRACTOR TO MATCH EXIST. GRADES AND TO CONSTRUCT A SMOOTH TRANSITION FROM EXISTING FACILITIES TO PROPOSED.
- 3. CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE AND DISPOSE PER LOCAL ORDINANCES.
- 4. CONTRACTOR TO ENSURE ALL CONSTRUCTION IS IN ACCORDANCE WITH CITY DESIGN
- 5. CONTRACTOR TO SOD ALL DISTURBED AREAS, SODDING INCLUDES MAINTAINING SLOPE AND
- SOD UNTIL COMPLETION AND ACCEPTANCE OF THE TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST.
- 6. ALL EXISTING TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
- 7. 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.
- 8. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS/HER CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- 9. NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770) OR (811) PRIOR TO CONSTRUCTION.
- 10. PROJECT BASED ON DESIGN SURVEY PREPARED BY PULICE LAND SURVEYORS.
- 11. THE CONTRACTOR SHALL NOT ENCROACH ONTO PRIVATE PROPERTY WITHOUT EASEMENTS NECESSARY FOR COMPLETION OF THE WORK.
- 12. 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.
- 13. PLEASE SEE MEP PLANS FOR CONTINUATION OF ROOF LEADERS.
- 14. 2.0% MAXIMUM SLOPE ON ADA ACCESS WAYS.
- 15. ALL SIDEWALKS SHOULD HAVE A MAXIMUM CROSS SLOPE OF 2.0%

SITE GRADING NOTES:

- ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988); TO CONVERT ELEVATIONS TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929), A MODEL VALUE OF 1.50 SHOULD BE ADDED TO THE NAVD 1988
- REFERENCE BENCH MARK: BROWARD COUNTY BENCHMARK #1279 ELEVATION: 6.970 FEET.
- FLOOD ZONE: AE; BASE FLOOD ELEVATION: 6 FEET NGVD; PANEL #120034C 0309F; MAP DATE:

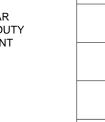
TYPICAL NOTE TEXT EXISTING NOTE

HATCH LEGEND PROPOSED CONCRETE



REGULAR ASPHALT DUTY PAVEMENT

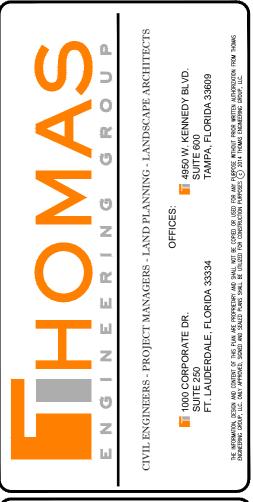


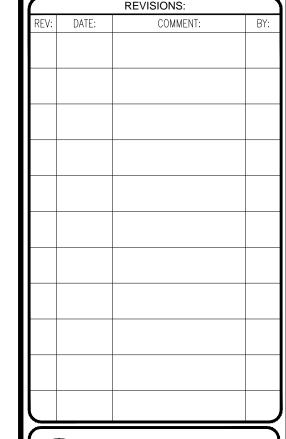


	UNDERGROUND WATER LINE	
ОН	OVERHEAD WIRE	
========	STORM SEWER	
S	SANITARY SEWER MAIN	
~	HYDRANT	
S	SANITARY MANHOLE	
D	STORM MANHOLE	
	CATCH BASIN	
	YARD INLET	(III)
XXX	GRADE SPOT SHOT	XXXXX

PAVING, GRADING & DRAINAGE LEGEND

PROPOSED NOTE







DRAWN BY:

F140054-PGD PLAN PROJECT:

CHECKED BY:

RESIDENTIAL **PROJECT**

FLORIDA

US DEVELOPEMENT

CITY OF DANIA BEACH FLORIDA



RADICE III 1000 CORPORATE DRIVE, SUITE 250 FORT LAUDERDALE, FL 33334 PH: (954) 202-7000 FX: (954) 202-7070 www.ThomasEngineeringGroup.com

PROFESSIONAL ENGINEER FL'ORIDA LICENSE No. 50572 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

PAVING, GRADING, & DRAINAGE **PLAN**

prepared by: MCLAUGHLIN ENGINEERING COMPANY (LB#285)

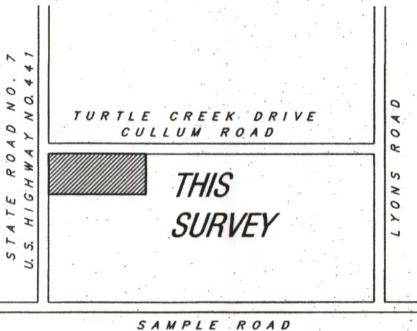
400 N.E. 3rd AVENUE FORT LAUDERDALE, FLORIDA PHONE: (954) 763-7611 FAX: (954) 763-7615

> o Indicates Marker Scale 1" = 50'

RECORD SURVEY

Parcel "A", SAWGRASS RANCH P.B. 158, Pg. 24, B.C.R. City of Cononut Creek

TRACT 22 (CULLUM ROAD) (PLAT) TRACT 23 $T \ U \ R \ T \ L \ E \qquad C \ R \ E \ E \ K \qquad D \ R \ I \ V \ E$ GRASS MEDIAN -30' R/W (P.B. 2 PG. 45-54, B.C.R.)-ASPHALT PAVEMENT TOP OF BANK
ALUMBHUM GUARD RAIL IN 0.4'XO.4" 133.75' SQUARE POST 0/S 20.35' SOUTH CONCRETE PARKINGS COVERED CONCRETE GRASS C.B.S. Lowest Finished' Floor W/Multi Leval Garage Elev. = 16.70Lowest Finished Floor Elev. = 16.72 Building Footprint = 42,770 Square Feet 00 00 4 00 OIOA 705 N CONCRETES CONCRETE DRIVE GRASS MEDIAN SS 595,429 SQUARE FEET ± LANC OFO. Elevation = 11.80 40 W. (5/27/07) FM B I O. Floor _16% = 16.7 5/8" IRON ROD W/MCL CAP LAD 12' UTILITY EASEMENT 10' WATER SEMER UTITITY EASEMENT 12' UTILITY EASEMENT (TYP.) NAIL IN CONCRETE LAKE LAKE W/MCL CAP 1) This survey reflects all easements and rights-of-way, as shown TRACT "M" on above referenced record plat(s). The subject property was not COMMERCE CENTER OF COCONUT CREEK of record by McLaughlin Engineering Company. (P. B. 131, PG. 30, B. C. R.) 2) Underground improvements if any not located. 3) This drawing is not valid unless sealed with an embossed surveyors seal. 4) Boundary survey information does not infer Title or Ownership.



Location Sketch

Not To Scale

Legal Description

Parcel "A", SAWGRASS RANCH, according to the plat thereof, recorded in Plat Book 158, Page 24, of the public records of Broward County, Florida.

Said land situate, lying and being in the City of Cononut Creek, Broward County, Florida, and containing 595,429 square feet or 13.669 acres, more or less.

This survey reflects all Easements, Road Reservations, and Rights—of—Ways of record per Owner & Encumbrance Search Report from Old Republic National Title Insurance Company, File No. 11041502, dated June23, 2011 at 8:00 A.M.

- (a) Agreement o>R. 25814, Page 527 of the Public Records of Broward County, Florida, affects this property (restricted to 97, 115 square feet of Automobile Dealership use).
- (b) Agreement per O.R. Book 26677, Page 16 of the Public Records of Broward County, Florida, affects this property (restricted to 81,557 square feet of Automobile Dealership use and 136,000 square feet of Automobile Storage).
- (c) Easement per O.R. Book 20947, Page 379 of the Public Records of Broward County, Florida, affects this property as shown.
- (d) Easement per O.R. Book 22021, Page 306, of the Public Records of Broward County, Florida, affects this property as shown.
- (e) Right-of-Way Easement per O.R. Book 18203, Page 603 of the Public Records of Broward County, Florida, affects this property as
- (f) Resolution per O.R. Book 28028, Page 126, of the Public Records of Broward County, Florida, affects this property (nothing
- (g) Resolution per O.R. Book 28060, Page 600, of the Public Records of Broward County, Florida, affects this property as shown.
- (h) Resolution per O.R. Book 28060, Page 606, of the Public Records of Broward County, Florida, affects this property as shown.
- (i) Easement per O.R. Book 36721, Page 1154, of the Public Records of Broward County, Florida, affects this property as shown.

Said land situate, lying and being in the City of Cononut Creek, Broward County, Florida, and containing 595,429 square feet or 13.669 acres, more or less.

LEGEND

A = CENTRAL ANGLE (DELTA) R = RADIUS

A OR L = ARC LENGTH

CH.BRG. = CHORD BEARING

TAN.BRG. = TANGENT BEARING

P.O.C. = POINT OF COMMENCEMENT P.O.B. = POINT OF BEGINNING W/McL CAP = WITH MCLAUGHLIN ENGINEERING CO. CAP

P.R.M. = PERMANENT REFERENCE MONUMENT

CONC. = CONCRETE

C.B.S = CONCRETE, BLOCK AND STUCCO I.C.V. = IRRIGATION CONTROL VALVE

W.M. = WATER METER

B.F.P. = BACK FLOW PREVENTOR O/W = OVERHEAD WIRES

ELEV. = ELEVATION O/S = OFFSET A/C = AIR CONDITIONING

C = CENTERLINE OF RIGHT-OF-WAY F.P.L. = FLORIDA POWER AND LIGHT CO. S.B.T. = SOUTHERN BELL TELEPHONE

B.C.R. = BROWARD COUNTY RECORDS D.C.R = DADE COUNTY RECORDS P.B.R. = PALM BEACH COUNTY RECORDS

O.R. = OFFICIAL RECORDS BOOK PG. = PAGE. R/W = RIGHT-OF-WAY

C.O. = CLEAN OUT C.L.F. = CHAIN LINK FENCE P.C.D. = POLUTION CONTROL DEVICE

CERTIFICATION

We hereby certify that this survey meets the minimum technical standards as set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6 Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Dated at Fort Lauderdale, Florida, this 3rd day of May, 2007.

Additional Elevations taken this 31st day of May, 2007.

10' Water/Sewer/Utility Easement Per O.R. Book 28060, Page 606, added this 28th day of June, 2011.

Title commitment added this 7th day of July, 2011. MCLAUGHLIN ENGINEERING COMPANY

> JERALD A. MCLAUGHLIN Registered Land Surveyor No. 5269 State of Florida.

OFFICE NOTES

FIELD BOOK NO. TDS, Print, LB# 279/17, Print, TDS

JOB ORDER NO. U-3414, U-3545, U-6693 CHECKED BY: DRAWN BY: SW, JST

9) Bearings shown hereon refer to record plat (158/24) "SAWGRASS RANCH" and assume the South Right-of-Way line od Cullum Road as North 89°37'39" East.

5) All iron rods 5/8", unless otherwise noted.

are indicated thus: Z. Elev.=16.70.

6) Reference Bench Mark: Broward County Benchmark #2317,. ELEVATION = 15.25

7) Elevations shown refer to National Geodetic Vertical Datum (1929), and

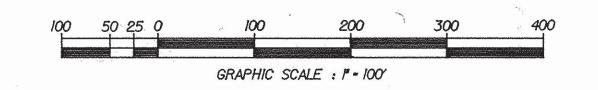
8) This property lies in Flood Zone "X", Elev.=N/A Per Flood Insurance Rate Map No. 12011C0115 F Dated: August 18, 1992. Community Panel No. 120031 Index Map Dated: October 2, 1997.

FILE NO. 96 - 3 - 129 (07)

SHEET 2 OF 2 SHEETS

SAWGRASS RANCH

A RESUBDIVISION OF PORTION OF TRACT 43, BLOCK 89 OF PALM BEACH FARMS COMPANY PLAT NO.3, PLAT BOOK 2, PAGES 45-54, PALM BEACH COUNTY RECORDS LYING IN SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA



TRACT 42, BLOCK 89

PLAT NO. 3

PLAT BOOK 2, PAGES 45-54

PALM BEACH COUNTY RECORDS

514.44'

TRACT 22, BLOCK 89

COMMENCING

SECTION 18-48-42

04

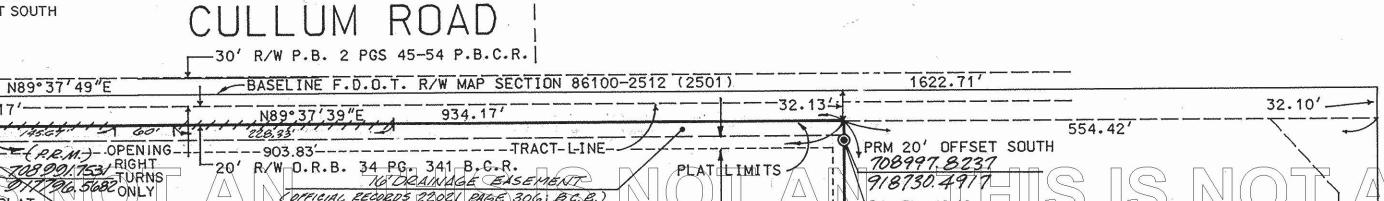
__P.R.M. 20'

OFFSET SOUTH

FIRACT 23, BLOCK 89

THE PALM BEACH FARMS CO. PLAT NO. 3

PLAT BOOK 2, PAGES 45-54 PALM BEACH COUNTY RECORDS



THE PALM BEACH FARMS CO.

BROWARD COUNTY RECORDS

12' UTILITY EASEMENT PER THIS PLAT 1 S.W. CORNER TRACT 43

70837/9084 9/7807.4384 B.M. EL. 15.10

--1_N89°37'39"E 53.38"

SECTION 13-48-41

POINT OF BEGINNING

TRACT H

S89°37'39"W

-S. LINE TRACT 43

926.91'

COMMERCE CENTER OF COCONUT CREEK PLAT BOOK 131, PAGE 30 BROWARD COUNTY RECORDS

12 UTILITY EASEMENT -

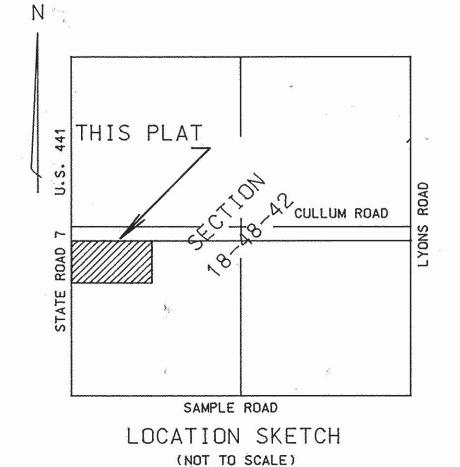
PLAT LIMITS -

PER THIS PLAT

TRACT S

LIMITS

STATE PLANE COORDINATES EASTING NORTHING 1 708736.2924 917801.0484 917796.0992 2 708736.2056 917794.5210 3708826.1918 @ 708826.2785 917799.4703



THE STATE PLANE COORDINATES SHOWN ON THIS PLAT WERE BASED ON THE NORTH AMERICAN DATUM OF 1927 COORDINATE VALUES SHOWN ON THE STONE RESIDENCE VALUES SHOWN OF TOWNSHIP ABSOUTH, RANGE 41 EAST, AS RECORDED IN MISCELLANEOUS PLAT BOOK 3, PAGE 44 OF THE PUBLIC RECORDS OF BROWARD COUNTY FLORIDA. AND AS TRANSFORMED TO THE NORTH AMERICAN DATUM OF 1983, WITH THE 1990 ADJUSTMENT. BEARINGS SHOWN HEREON ARE GRID BEARINGS THE FAST LINE OF THE NEW 114 OF SECTION 13-18-11 BEARINGS. THE EAST LINE OF THE N.E. 1/4 OF SECTION 13-48-41 BEARS NORTH OP OO'17" WEST.

INDICATES PERMANENT REFERENCE MONUMENT (PRM) PROFESSIONAL LAND SURVEYO

3) BENCH MARKS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM

4) B.M. EL. INDICATES BENCH MARK ELEVATION.

5) THE BENCH MARKS SHOWN HEREON WERE ESTABLISHED USING THIRD ORDER PROCEDURES BASED ON BROWARD COUNTY BENCH MARKS AS FOLLOWS: BENCH MARK 2316 - BROWARD COUNTY BRASS DISC AT THE SOUTHEAST CORNER OF SECTION 12.TOWNSHIP 48 SOUTH.RANGE 41 EAST ELEVATION 16.496' BENCH MARK 2580 - TOP OF CENTER REBAR IN RIP-RAP HEADWALL ON SOUTH SIDE OF

WILES ROAD AND AT THE CANAL ON THE WEST SIDE OF STATE ROAD 7 US 441 ELEVATION 15.66'

6) THIS PLAT IS RESTRICTED TO 75,000 SQUARE FEET OF OFFICE USE, 40,000 SQUARE FEET OF INDUSTRIAL USE, AND 35,000 SQUARE FEET OF COMMERCIAL USE. COMMERCIAL/RETAIL USES ARE NOT PERMITTED WITHIN THE INDUSTRIAL OR OFFICE PORTIONS OF THIS PLAT WITHOUT THE APPROVAL OF THE BOARD OF COUNTY COMMISSIONERS WHO SHALL REVIEW AND ADDRESS THESE, USES FOR INCREASED IMPACTS. THIS NOTE IS REQUIRED BY CHAPTER 5, ARTICLE IX, BROWARD COUNTY CODE OF ORDINANCES AND MAY BE AMENDED BY APPROVAL OF THE BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS.

THE NOTATION AND ANY AMENDMENTS THERETO ARE SOLELY INDICATING THE APPROVED DEVELOPMENT LEVEL FOR PROPERTY LOCATED WITHIN THE PLAT AND DO NOT OPERATE AS A RESTRICTION IN FAVOR OF ANY PROPERTY OWNER INCLUDING AN OWNER OR OWNERS OF PROPERTY WITHIN THIS PLAT WHO TOOK TITLE TO THE PROPERTY WITH REFERENCE TO THIS PLAT.

7) NOTICE: THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

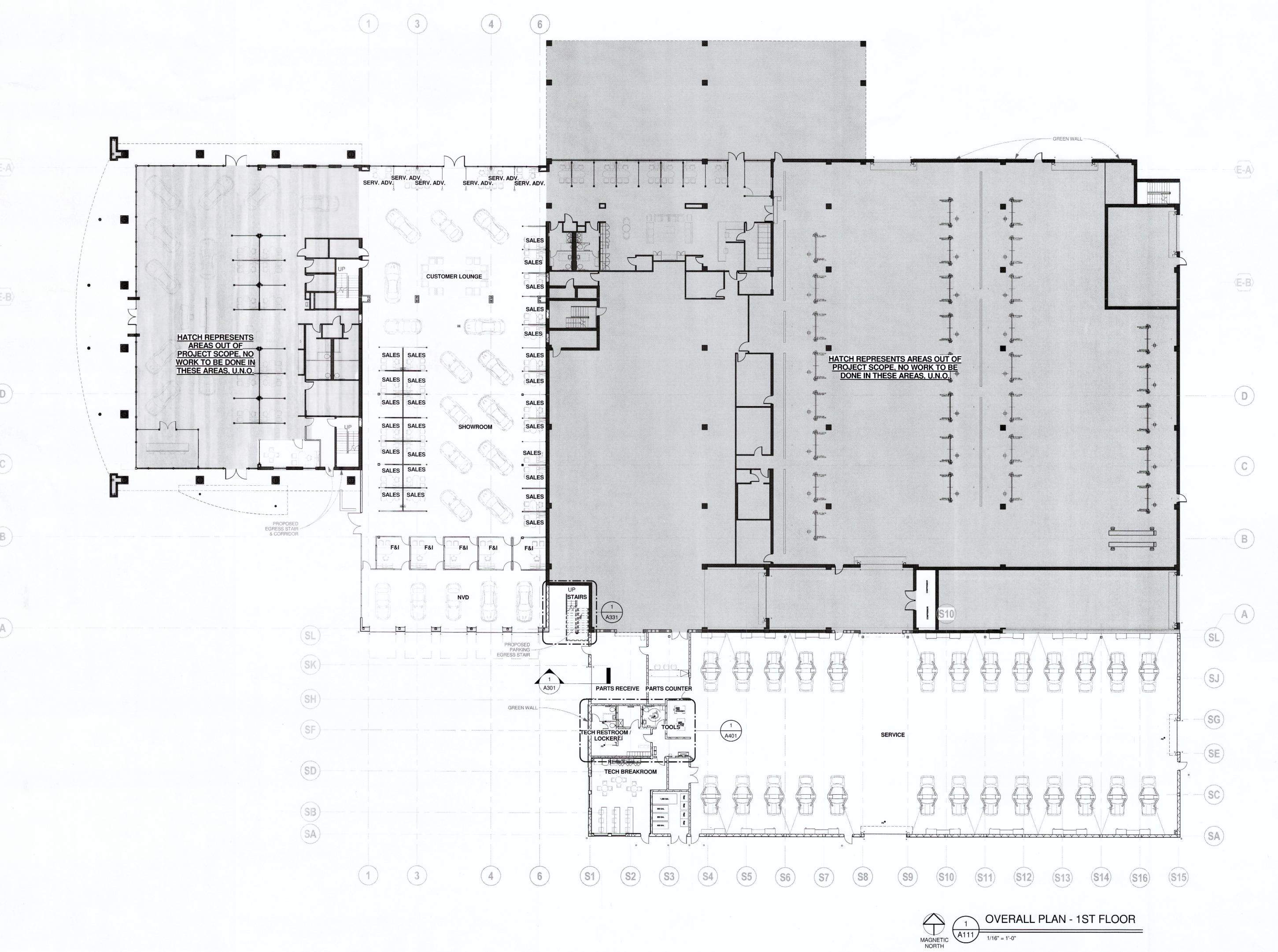
INDICATES NON-VEHICULAR ACCESS LINE.

9.) B.C.R. INDICATES BROWARD COUNTY RECORDS.

10.) P.B.C.R. INDICATES PALM BEACH COUNTY RECORDS.



3563 N.W. 53RD STREET FORT LAUDERDALE FLORIDA 33309





1320 Ellsworth Industrial Blvd Suite A-100 Atlanta GA 30318 404-249-4555 tel 404-355-6394 fax

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Rev Date

Comments

Client:

AutoNation, Inc.

200 SW 1st Avenue

Project:

AUTONATION M-B OF COCONUT **CREEK ADDITION**

4250 N State Road 7 Coconut Creek, FL 33073

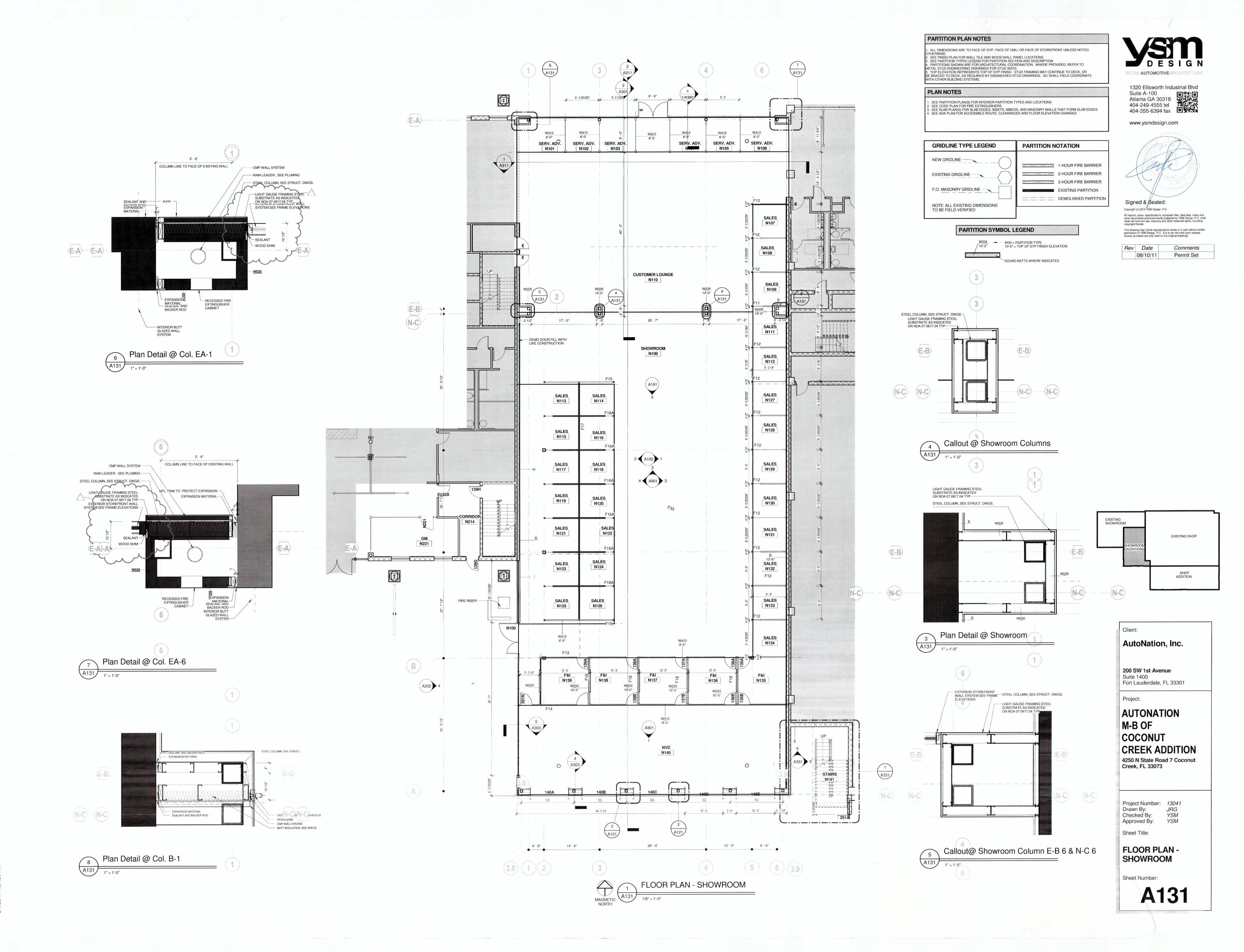
Project Number: 13041
Drawn By: JRG
Checked By: YSM
Approved By: YSM

Sheet Title:

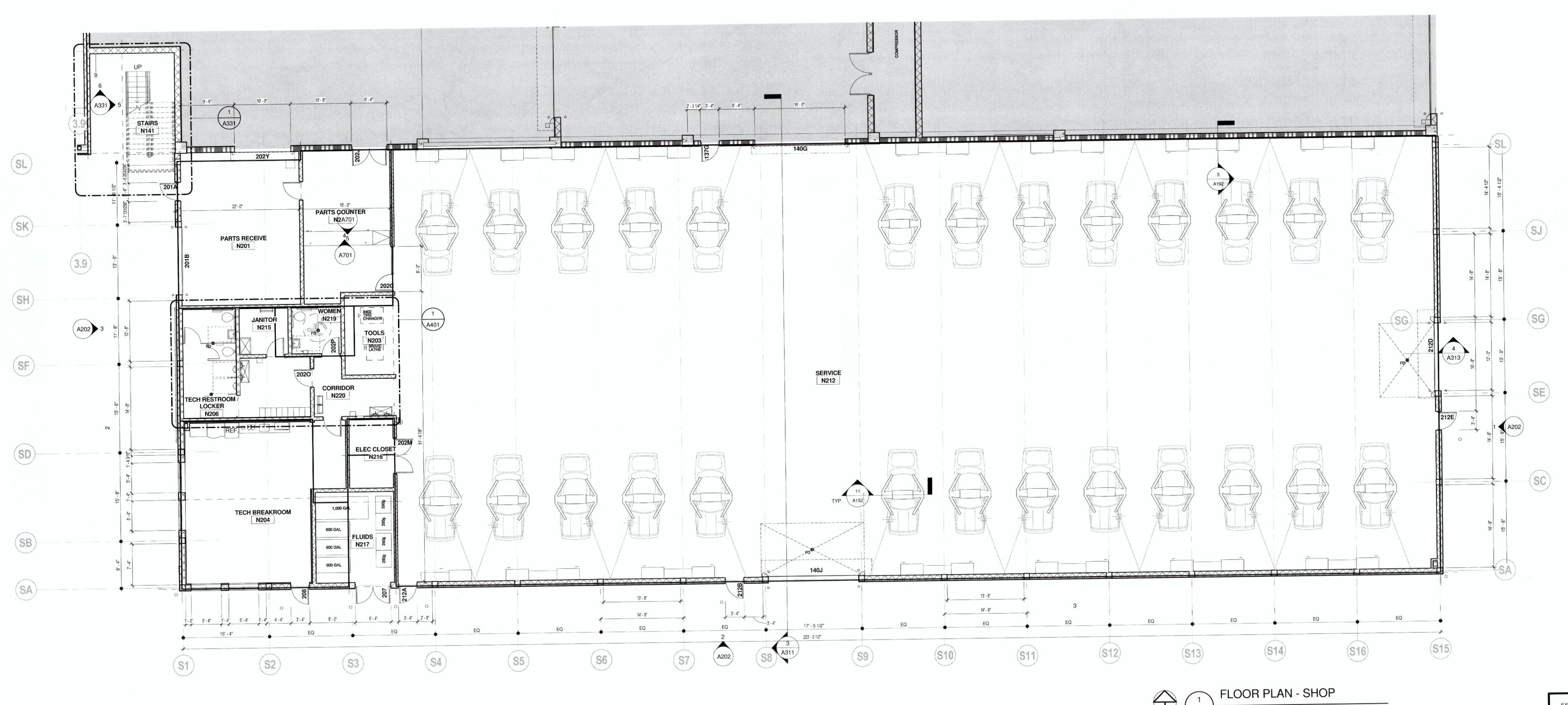
OVERALL PLAN

Suite 1400 Fort Lauderdale, FL 33301

Sheet Number:



2014 4:37:38 PM





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Rev Date Comments

EXISTING SHOP

SHOWROOM ADDITION

SHOP ADDITION

PLAN NOTES

1. SEE PARTITION PLAN(S) FOR INTERIOR PARTITION TYPES AND LOCATIONS
2. SEE CODE PLAN FOR FIRE EXTINGUISHERS
3. SEE SLAB PLAN(S) FOR SLAB EDGES, INSETS, IMBEDS, AND MASONRY WALLS THAT FORM SLAB EDGES
4. SEE ADA PLAN FOR ACCESSIBLE ROUTE, CLEARANCES AND FLOOR ELEVATION CHANGES

PARTITION NOTATION

1-HOUR FIRE BARRIER
2-HOUR FIRE BARRIER
3-HOUR FIRE BARRIER
EXISTING PARTITION
DEMOLISHED PARTITION

RIDLINE TYPE LEGEND

NEW GRIDLINE

EXISTING GRIDLINE

F.O. MASONRY GRIDLINE

NOTE: ALL EXISTING DIMENSIONS
TO BE FIELD VERIFIED

Client:

AutoNation, Inc.

200 SW 1st Avenue
Suite 1400
Fort Lauderdale, FL 33301

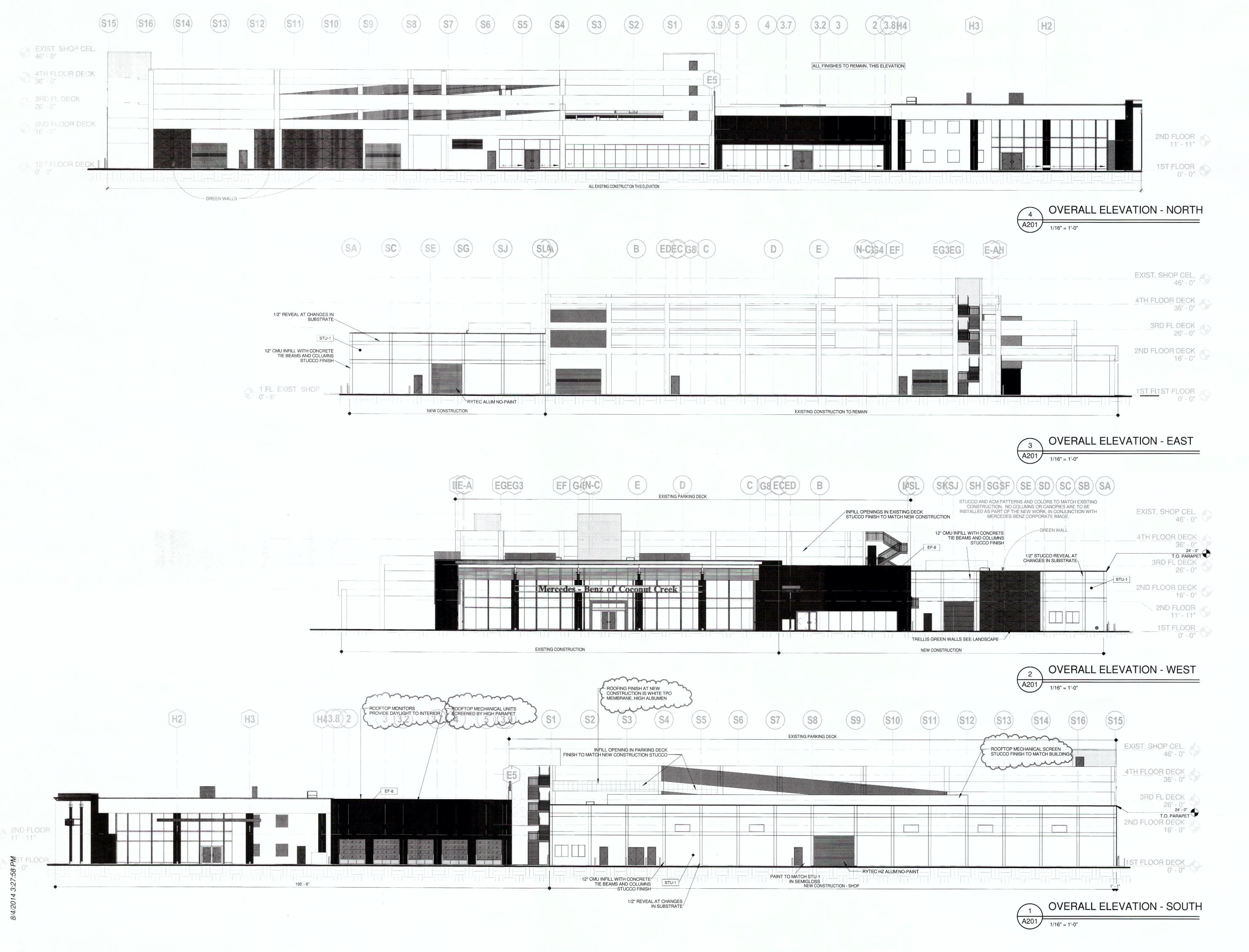
Project:

AUTONATION
M-B OF
COCONUT
CREEK ADDITION
4250 N State Road 7 Coconut
Creek, FL 33073

Project Number: 13041
Drawn By: JRG
Checked By: YSM
Approved By: YSM
Sheet Title:

FLOOR PLAN - SHOP

Sheet Number:





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Rev Date 08/10/11

Comments Permit Set

Client:

200 SW 1st Avenue

AutoNation, Inc.

Project:

AUTONATION M-B OF COCONUT **CREEK ADDITION**

4250 N State Road 7 Coconut Creek, FL 33073

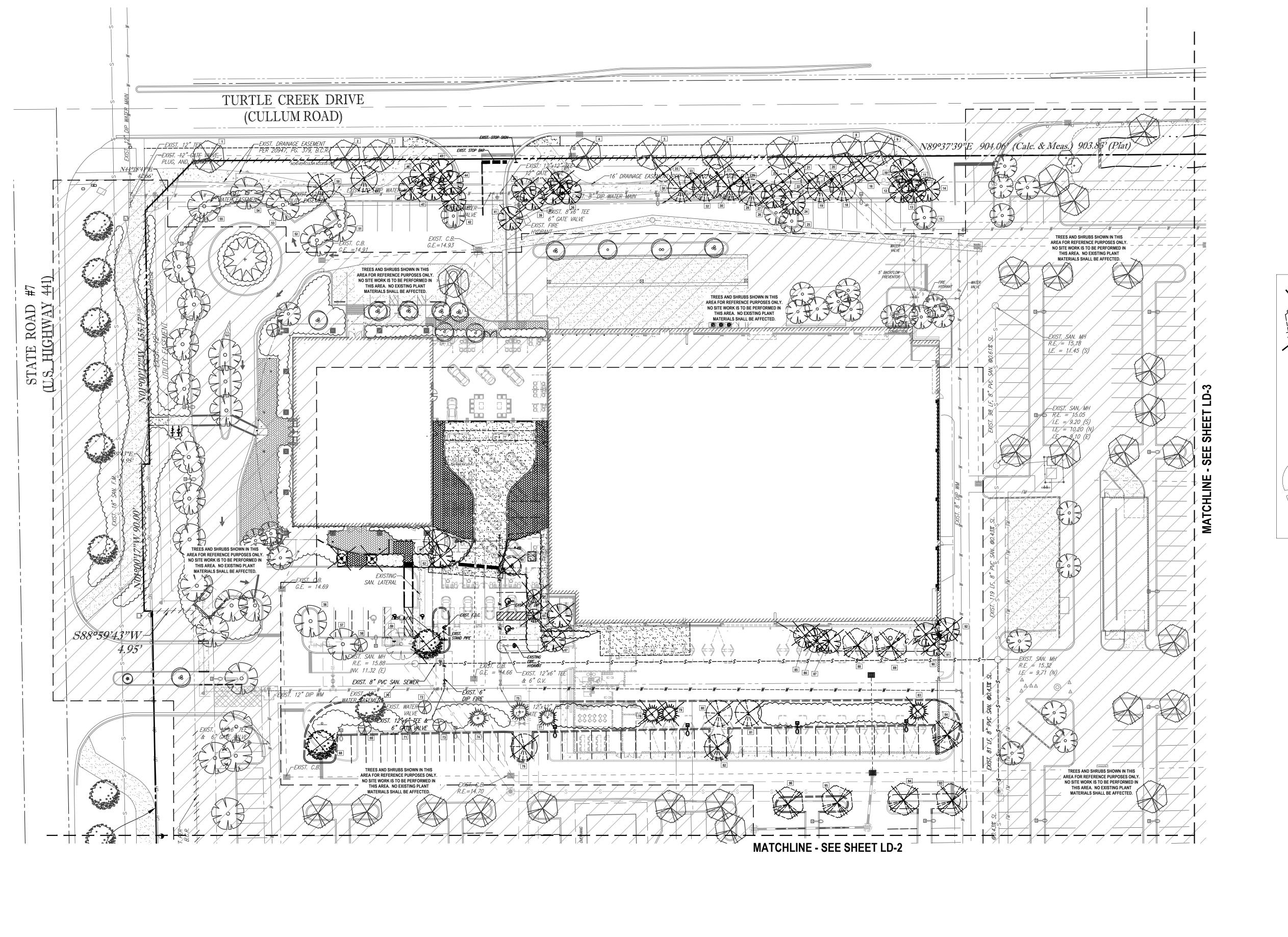
Project Number: 13041 Drawn By: Checked By: Approved By:

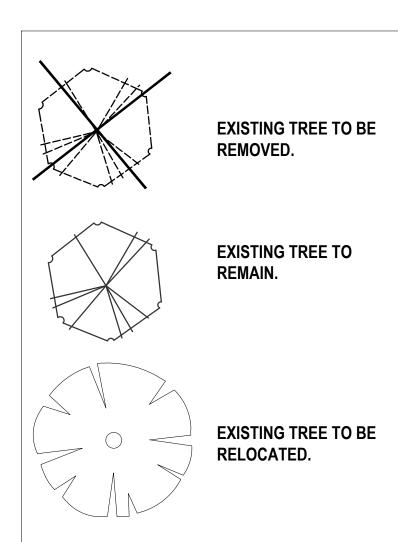
JRG YSM YSM

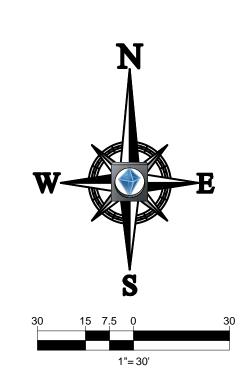
Sheet Title:

BUILDING ELEVATIONS Fort Lauderdale, FL 33301

Sheet Number:







PLEASE REFER TO SHEET LD-4 FOR TREE
DISPOSITION CHART, GENERAL NOTES AND
TREE PROTECTION BARRIER DETAIL; AND TO
SHEET LP-1 FOR LANDSCAPE PLANTING PLAN.

ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

OFFICES:

SUITE 250

FT. LAUDERDALE, FLORIDA 33334

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	REVISIONS:				
REV:	DATE:	COMMENT:	BY:		
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ENTITLEMENT

www.callsunshine.com

PROJECT No.: F100106
DRAWN BY: KLB
CHECKED BY: JMG
DATE: XX/XX/XXXX
CAD I.D.: F100106 TREE DISPOSITION PLAN

PROJECT:

MERCEDES-BENZ OF COCONUT CREEK

HODGEN CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



RADICE III
1000 CORPORATE DRIVE, SUITE 250
FORT LAUDERDALE, FL 33334
PH: (954) 202-7000
FX: (954) 202-7070
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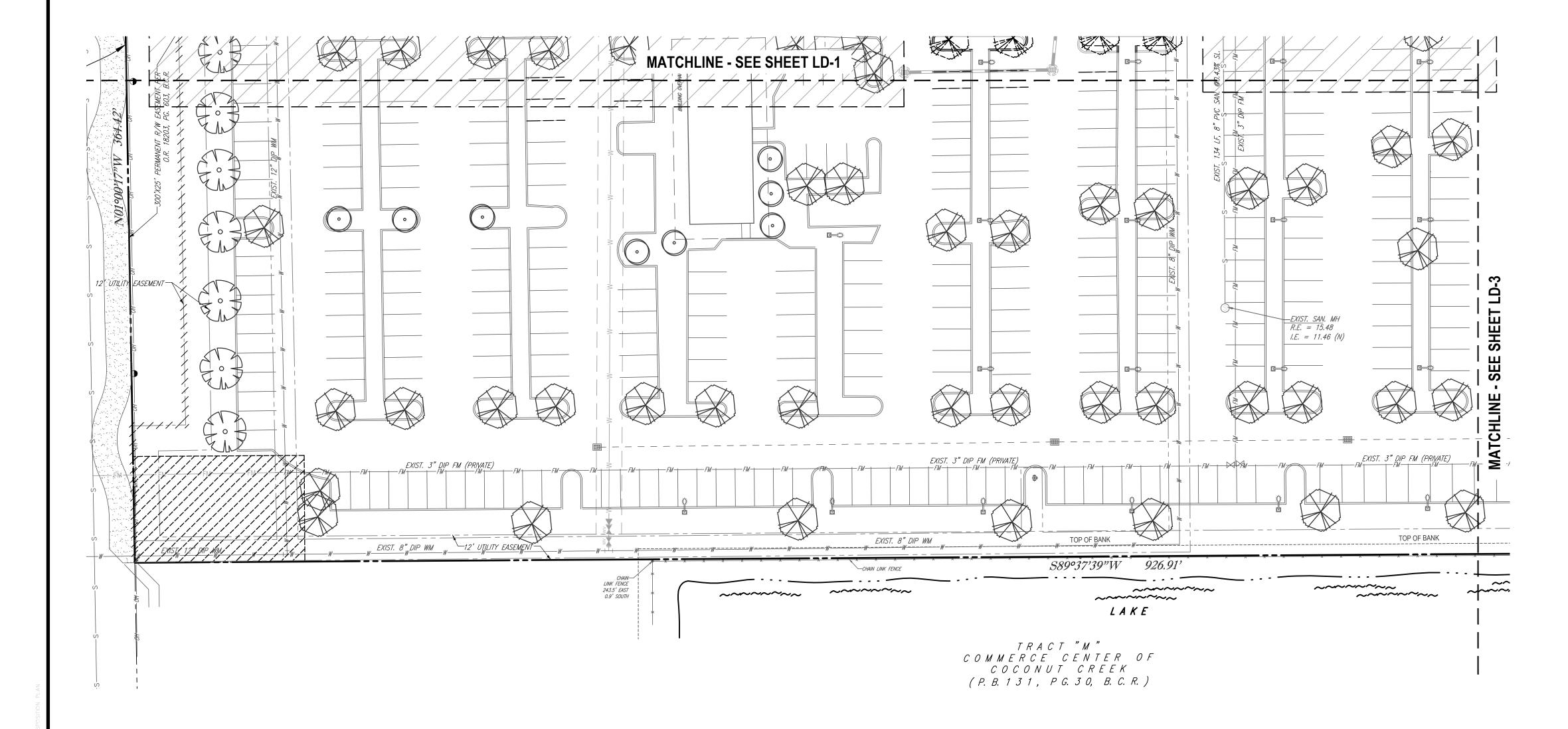
MICHAEL D. GROSSWIRTH

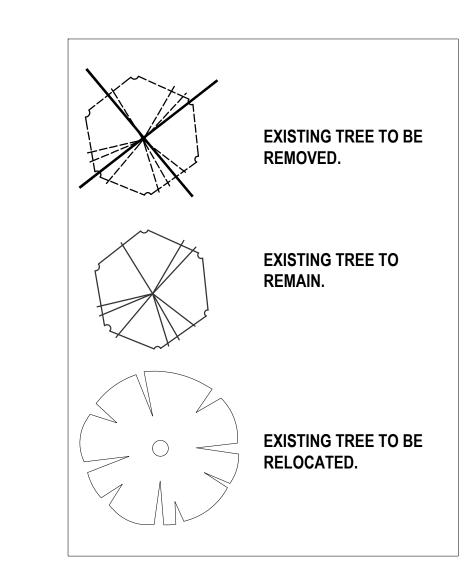
REGISTERED LANDSCAPE ARCHITECT XX/XX/XXXX FLORIDA LICENSE No. 6666871 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

TREE
DISPOSITION
PLAN

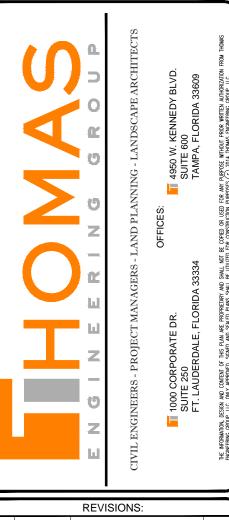
SHEET NUMBER:







PLEASE REFER TO SHEET LD-4 FOR TREE
DISPOSITION CHART, GENERAL NOTES AND
TREE PROTECTION BARRIER DETAIL; AND TO
SHEET LP-1 FOR LANDSCAPE PLANTING PLAN.



	REVISIONS:					
REV:	DATE:	COMMENT:	BY:			
	_					

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ENTITLEMENT	

PROJECT No.:	F100106
PRAWN BY:	KLB
CHECKED BY:	JMG
DATE:	XX/XX/XXXX
AD I.D.: F100106 TRE	E DISPOSITION PLAN

MERCEDES-BENZ OF COCONUT CREEK

FOR ———
HODGEN

CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



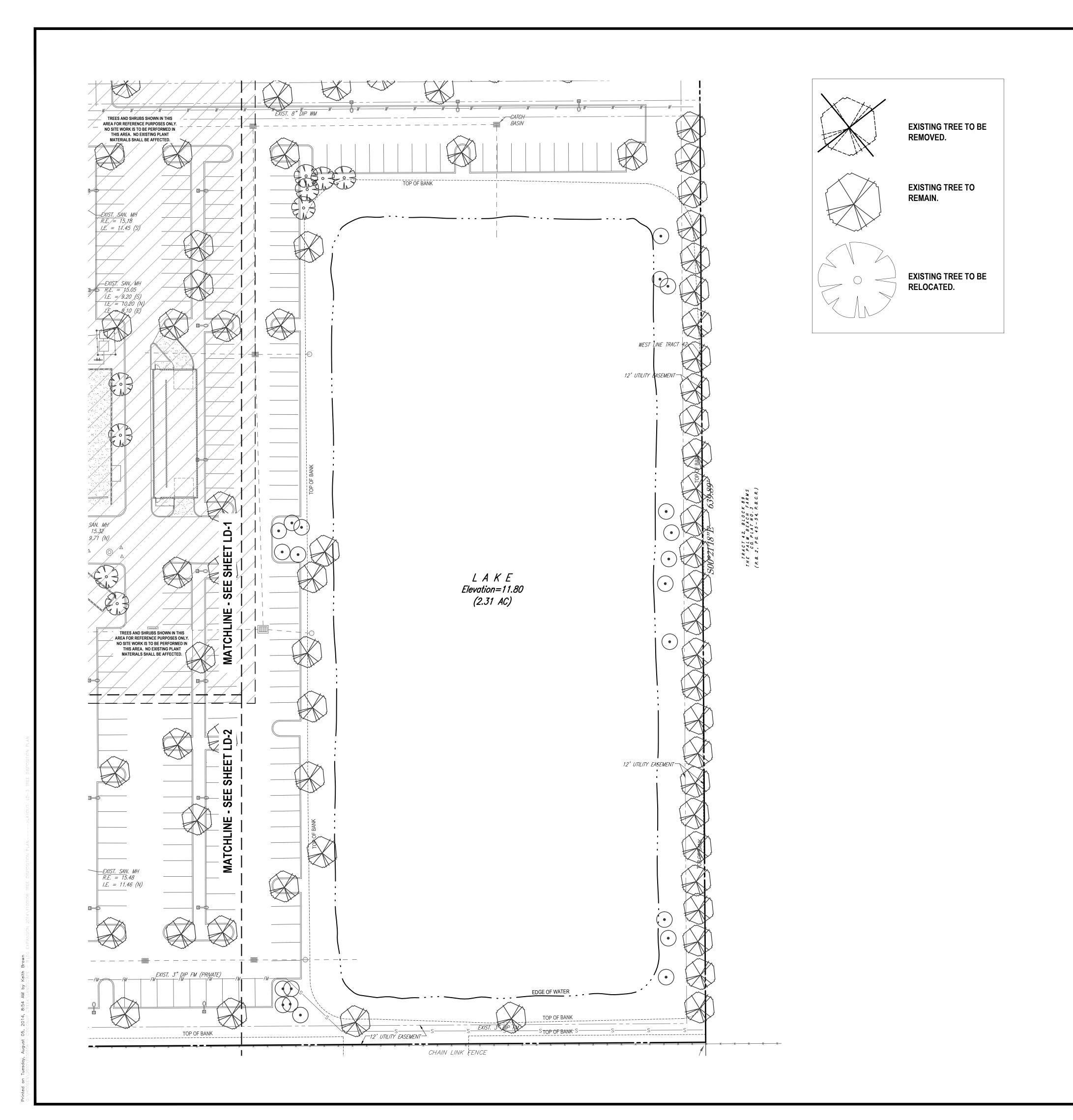
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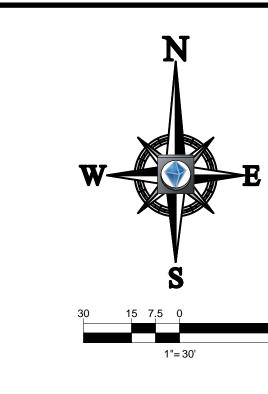
MICHAEL D. GROSSWIRTH

REGISTERED LANDSCAPE ARCHITECT XX/XX/XXXX FLORIDA LICENSE No. 6666871 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

TREE
DISPOSITION
PLAN

sheet number: LD-2





PLEASE REFER TO SHEET LD-4FOR TREE

DISPOSITION CHART, GENERAL NOTES AND

TREE PROTECTION BARRIER DETAIL; AND TO

SHEET LP-1 FOR LANDSCAPE PLANTING PLAN.

ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECT

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECT

OFFICES:

The information, resea, and control of his plan, are fromering and said of the wind from those dense which plans shall be united for construction purposes. Solute and select plans shall be united for construction purposes (©, 2014 indoes dense markers) and the united for construction purposes (©, 2014 indoes dense markers).

KEV:	DATE:	COMMENT:	RA:
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ENTIT	LEMENT

ROJECT No.:	F10010
RAWN BY:	KLI
HECKED BY:	JMO
ATE:	XX/XX/XXX
AD I.D.: F100106 TREE	E DISPOSITION PLAN

OJECT:

MERCEDES-BENZ OF COCONUT CREEK

HODGEN

CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



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REGISTERED LANDSCAPE ARCHITECT XX/XX/XXXX FLORIDA LICENSE No. 6666871 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

TREE
DISPOSITION
PLAN

SHEET NUMBER:

REE NO.	BOTANICAL NAME	JT CREEK, COCONU	DBH	,	SPR	CANOPY sf	CONDITION	COMMENTS	DISPOSITION
1	Quercus virginiana	Live Oak	12"	25'	25'	493	Good	COMMENTO	REMAIN
	Quercus virginiana Quercus virginiana	Live Oak Live Oak	8" 8"	20' 20'	20' 20'	315 315	Good Good		REMAIN REMAIN
4	Quercus virginiana	Live Oak	12"	25'	25'	493	Good		REMAIN
	Quercus virginiana	Live Oak	12"	25'	25'	493	Good		REMAIN
	Quercus virginiana Quercus virginiana	Live Oak Live Oak	12" 8"	25' 25'	25' 25'	493 493	Good Good		REMAIN REMAIN
8	Quercus virginiana	Live Oak	8"	25'	25'	493	Good		REMAIN
9 10	Quercus virginiana Syagrus romanzoffiana	Live Oak Queen Palm	12"	25' 15'ct	25' 15'	493 178	Good Fair		REMAIN remove
11	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		remove
12 13	Syagrus romanzoffiana	Queen Palm Queen Palm		12'ct 14'ct	15' 15'	178 178	Fair Fair		remove
	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm		8' & 16'ct	20'	315	Fair	double trunk	remove REMAIN
15	Syagrus romanzoffiana	Queen Palm		18'ct	15'	178	Fair		REMAIN
16 17	Callistemon viminallis Callistemon viminallis	Bottle Brush Bottle Brush	6" 6"	20' 20'	20' 20'	315 315	Fair Fair		remove
18	Bucera simaruba	Gumbo Limbo	10"	18'	15'	178	Good		remove
	Bucera simaruba Sabal Palmetto	Gumbo Limbo Cabbage Palm	12"	20 12'ct	20' 10'	315 79	Good Fair		remove
	Sabal Palmetto	Cabbage Palm		14'ct	10'	79	Fair		remove
	Sabal Palmetto	Cabbage Palm		12'ct	10'	79	Fair		remove
23 24	Sabal Palmetto Syagrus romanzoffiana	Cabbage Palm Queen Palm		14'ct 18'ct	10' 15'	79 178	Fair Fair		remove remove
25	Syagrus romanzoffiana	Queen Palm		14'ct	15'	178	Fair		REMAIN
	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		REMAIN
	Syagrus romanzoffiana Bucera simaruba	Queen Palm Gumbo Limbo	16"	16'ct 30'	15' 25'	178 493	Fair Good		remove
29	Sabal Palmetto	Cabbage Palm		16'ct	10'	79	Fair		remove
	Bucera simaruba Sabal Palmetto	Gumbo Limbo Cabbage Palm	14"	30' 10'ct	25' 10'	493 79	Good Fair		remove
	Bucera simaruba	Gumbo Limbo	14"	30'	25'	493	Good		remove
	Sabal Palmetto	Cabbage Palm		14'ct	10'	79	Fair		remove
	Bucera simaruba Sabal Palmetto	Gumbo Limbo Cabbage Palm	16"	30' 14'ct	25' 10'	493 79	Good Fair		remove remove
	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		remove
	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		remove
38 39	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm		16'ct 16'ct	15' 15'	178 178	Fair Fair		remove
40	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		remove
	Syagrus romanzoffiana	Queen Palm Queen Palm		16'ct 16'ct	15' 15'	178 178	Fair Fair		remove REMAIN
	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm		14'ct	15'	178	Fair		remove
44	Syagrus romanzoffiana	Queen Palm		12'ct	15'	178	Fair		remove
	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm		14'ct 14'ct	15' 15'	178 178	Fair Fair		remove
	Syagrus romanzoffiana	Queen Palm		12'ct	15'	178	Fair		remove
	Syagrus romanzoffiana	Queen Palm	400	16'ct	15'	178	Fair		remove
	Bucera simaruba Bucera simaruba	Gumbo Limbo Gumbo Limbo	16" 16"	30' 20'	25' 25'	493 493	Good Good		remove
51	Roystonea elata	Royal Palm	10	25'gw	20'	315	Good		REMAIN
	Roystonea elata	Royal Palm		25'gw	20' 20'	315 315	Good		REMAIN REMAIN
	Roystonea elata Roystonea elata	Royal Palm Royal Palm		25'gw 25'gw	20'	315	Good Good		REMAIN
55	Roystonea elata	Royal Palm		25'gw	20'	315	Good		REMAIN
	Roystonea elata Roystonea elata	Royal Palm Royal Palm		25'gw 25'gw	20' 20'	315 315	Good Good		REMAIN REMAIN
	Laegerstromia indica	Crepe Myrtle	multi	6'	3'	8	Fair		REMAIN
	Roystonea elata	Royal Palm	400	25'gw	20'	315	Good		REMAIN
60 61	Tabebuea pallida Bucera simaruba	Pink Trumpet Tree Gumbo Limbo	12" 12"	25' 25'	20' 20'	315 315	Good Good		remove remove
62	Syagrus romanzoffiana	Queen Palm		18'ct	15'	178	Fair		remove
63	Veitchia montgomeryana	Montgomery Palm		10', 12',	15'	178	Fair	triple	remove
64	Laegerstromia indica	Crepe Myrtle	multi	16'gw 15'	10'	79	Fair	<u> </u>	remove
65	Laegerstromia indica	Crepe Myrtle	multi	15'	10'	79	Fair		remove
66 67	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm		20'ct 18'ct	15' 15'	178 178	Fair Fair		remove remove
68	Tabebuea pallida	Pink Trumpet Tree	8"	25'	15'	178	Good		remove
69	Laegerstromia indica	Crepe Myrtle	multi	6'	3'	8	Fair		REMAIN
70 71	Tabebuea pallida Laegerstromia indica	Pink Trumpet Tree Crepe Myrtle	8" multi	25' 6'	15' 3'	178 8	Good Fair		REMAIN REMAIN
72	Laegerstromia indica	Crepe Myrtle	multi	6'	3'	8	Fair		REMAIN
	Laegerstromia indica	Crepe Myrtle	multi	6'	3'	8	Fair		REMAIN
	Ligustrum lucidum Ligustrum lucidum	Glossy Privet Glossy Privet	multi multi	15' 15'	15' 15'	178 178	Good Fair		REMAIN REMAIN
76	Ligustrum lucidum	Glossy Privet	multi	15'	15'	178	Fair		remove
	Ligustrum lucidum Ligustrum lucidum	Glossy Privet Glossy Privet	multi multi	15' 15'	15' 15'	178 178	Fair Good		REMAIN remove
	Ligustrum lucidum	Glossy Privet	multi	15'	15'	178	Good		remove
80	Bucera simaruba	Gumbo Limbo	14"	25'	35'	966	Good		remove
	Bucera simaruba Bucera simaruba	Gumbo Limbo Gumbo Limbo	16" 3"	30' 12'	35' 6'	966 29	Good Good		remove remove
	Ligustrum lucidum	Glossy Privet	multi	15'	15'	178	Good		remove
84	Quercus virginiana	Live Oak	na	na	na	na	Poor	dead	remove
85 86	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm		18'ct 16'ct	15' 15'	178 178	Fair Fair		remove remove
87	Syagrus romanzoffiana	Queen Palm		16'ct	15'	178	Fair		remove
88	Quercus virginiana	Live Oak	16"	30'	30'	710	Good		remove
	Quercus virginiana Syagrus romanzoffiana	Live Oak Queen Palm	10"	30' 14'ct	30' 15'	710 178	Good Fair		remove
91	Syagrus romanzoffiana	Queen Palm		14'ct	15'	178	Fair		remove
	Syagrus romanzoffiana	Queen Palm	46"	14'ct	15'	178	Fair		remove
	Quercus virginiana	Live Oak	10" 10"	30' 25'	20' 30'	315 710	Good Good	1	remove remove
94	Quercus virginiana	Live Oak	10	20 '	.su	/ / / / /	Catherin		I Collinson

OR EQUIVALENT CONTRIBUTION TO THE CITY'S TREE FUND

(PER CITY OF COCONUT CREEK CODE OF ORDINANCES, CHAPTER 13-LAND DEVELOPMENT CODE; ARTICLE III-ZONING REGULATIONS; DIVISION 4-ACCESSORY USES AND STRUCTURES; SUBDIVISION IV.LANDSCAPE STANDARDS AND REQUIREMENTS; SEC 13-448(j)

GENERAL NOTES:

to receive planting soil as per details.

disposed of properly off-site.

1. PLANT MATERIAL: All plant material shall be Florida #1 or better as established by "Grades and Standards for Nursery Plants" of the state of Florida, Department of Agriculture.

2. All trees, shrubs and groundcovers shall be of the sizes as specified in the Plant List.

3. Quantities listed on the the Plant List are for estimating purposes. Contractor shall verify all quantities. Mulch, topsoil, fertilizer, etc. shall be included in the unit cost of the plants.

4. Where there is a discrepancy either in quantities, plant names, sizes or specifications between the plan or plant list, the plan takes precedence.

5. All planting beds and water basins for trees shall be covered with a 3" minimum depth of shredded eucalyptus or florimulch grade 'B' or better.

6. The Planting Plan shall be installed in compliance with all existing codes and applicable deed restrictions.

7. 90D: All areas not used for buildings, vehicular use areas, walks or planting beds shall be grassed.

Grassing shall extend to any abutting street pavement edge and to the mean waterline of any abutting canal,

8. PLANTING SOIL: All trees and shrubs shall be planted with a minimum of 12" topsoil around and beneath the rootball. Minimum topsoil shall be 6" for groundcover areas and 2" for sodded grass areas.

9. Planting soil to be a weed-free mixture of 50% sand, 40% muck, and 10% Canadian peat. All plant material

10. Contractor is responsible for determining all utility locations and installing facilities so as to not conflict. All damage to existing utilities or improvements caused by Contractor shall be repaired at no additional cost to the Owner.

11. Contractor to notify "Sunshine State One Call of Florida, Inc." at 1-800-432-4770 Two Full Business Days prior to digging for underground utility locations.

12. Contractor shall be responsible for providing final grading of all associated planting areas.

13. After final grade, area to be raked to 6" depth and all rock and foreign inorganic materials removed and

14. All planting holes to be hand dug except where machine dug holes will not adversely affect or damage

utilities or improvements (see note 8).

15. No plunging of any tree or palm will be accepted. All plants to be planted at the nursery grade or

16. Contractor shall stake 4 guy all trees and palms at time of planting as per the appropriate detail.

Contractor is responsible for the maintenance and/or repair of all staking and guying during warranty period and removal 4 disposal of staking after establishment period.

17. Fertilizer for grass areas shall be NPK 16-4-8 @ 12.5 lbs/1000 s.f. or 545 lbs/acre. Nitrogen 50% slow release form & fertilizer to include secondary micronutrients.

18. SUBSTITUTIONS AND CHANGES: All substitutions and changes shall be approved in writing prior to installation. Any discrepancies between plans, site and specifications shall be brought to the immediate attention of the Landscape Architect, the owner and governing municipality. 19. WATERING: All plant material shall be watered in at time of planting in accordance with standard nursery practices. In addition, Contractor will continue watering of plant material until substantial completion and as needed thereafter for a period of 2 months.

20. All new plant material shall be guaranteed for I year from time of final acceptance of project. Any plant material not in a healthy growing condition will be replaced by the Contractor at no additional cost to the Owner within 10 days of notification. For all replacement plant material, the warranty period shall be extended an additional 45 days beyond the original warranty period. All trees that lean or are blown over, caused by winds less than 15 mph, will be re-set and braced by the Contractor at no additional cost to the Owner.

21. The successful bidder shall furnish to the Owner a unit price breakdown for all materials. The Owner may, at its discretion, add or delete from the materials utilizing the unit price breakdown submitted.

22. No plant material will be accepted showing evidence of cable, chain marks, equipment scars, or otherwise

23. Plant material will not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged.

24. Root-prune all trees a minimum of (8) weeks prior to planting.

25. All landscaped areas will be irrigated by an underground, automatic, rust-free irrigation system providing 100% coverage and 100% spray overlap. The system shall be maintained in good working order and designed to minimize water on impervious services and not overspray walkways. A rain sensor device shall be installed to override the irrigation cycle of the system when adequate rainfall has occurred.

26. All plant material planted within the sight distance triangle areas (see plan) shall provide unobstructed cross-visibility at a horizontal level between 30 inches and 8 feet above adjacent street grade.

27. No canopy trees shall be planted within 12 feet of a light pole. No palm species shall be planted within 6 feet of a light pole.

28. Ground cover plantings shall provide not less than 50 percent coverage immediately upon planting and 100 percent coverage within 6 months after planting.

29. Tree protection barricades shall be provided by Landscape Contractor around existing trees that may be impacted by the proposed construction. Prior to any construction a tree protection barricade inspection shall be conducted by the landscape architect, owner or governing municipality. Refer to landscape detail for tree preservation barricade fencing.

30. In all pedestrian areas, all trees and palms shall be maintained to allow for clear passage at an 8 foot clear trunk.

31. All landscape material shall be setback a minimum of 10' from any Fire Hydrant.

CITY OF COCONUT CREEK

STANDARD LANDSCAPE NOTES

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written notes and specifications.
 All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery
- Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation.

 3. Landscape shall be placed to edge of abutting streets, canals, lakes or other lands.
- 4. All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs.
 - NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary
- and/or provide additional plants to provide an adequate screen.

 5. Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches,
- tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.

 6. Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the
- 7. Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub.
- 8. All plant material shall be free of pests, insects, disease, weeds, etc.
 9. All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the
- individual proposed plant material and the native soil found on the site.

 10. All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.

All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.

- 12. Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.
- 13. Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
 14. Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by
- the Electrical Inspector.

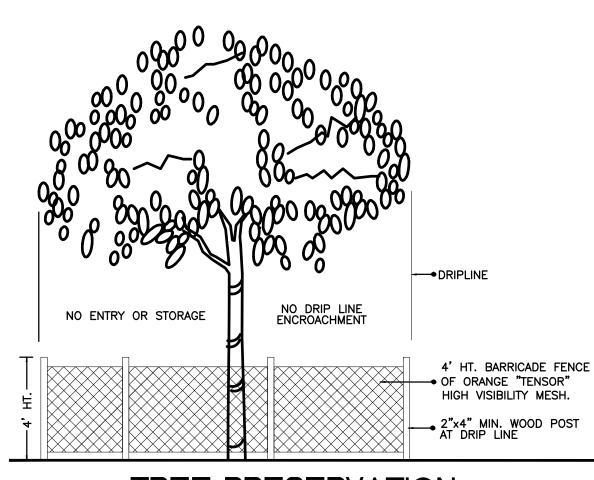
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- Irrigation permits and plans shall be submitted for approval at time of building permits.
 All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the
- irrigation system as required.

 18. All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of accurance of the first requested certificate of accurance.
- of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy.

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- be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.

 20. An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".



TREE PRESERVATION
BARRICADE FENCING DETAIL

ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

OFFICES:

In 1000 CORPORATE DR.
SUITE 250
FT. LAUDERDALE, FLORIDA 33334
TAMPA, FLORIDA 33609

REV: DATE: COMMENT: BY:

KNOW WHAT'S BELO ALWAYS CALL 81 BEFORE YOU DI

ENTITLEMENT

PROJECT No.: F100106
DRAWN BY: KLE
CHECKED BY: JMG
DATE: XX/XX/XXX
CAD I.D.: F100106 TREE DISPOSITION PLAN

PROJECT:

MERCEDES-BENZ OF COCONUT CREEK

FOR —

HODGEN CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS

BROWARD COUNTY, FLORIDA



RADICE III
1000 CORPORATE DRIVE, SUITE 250
FORT LAUDERDALE, FL 33334
PH: (954) 202-7000
FX: (954) 202-7070
www.ThomasEngineeringGroup.com

MICHAEL D. GROSSWIRTH

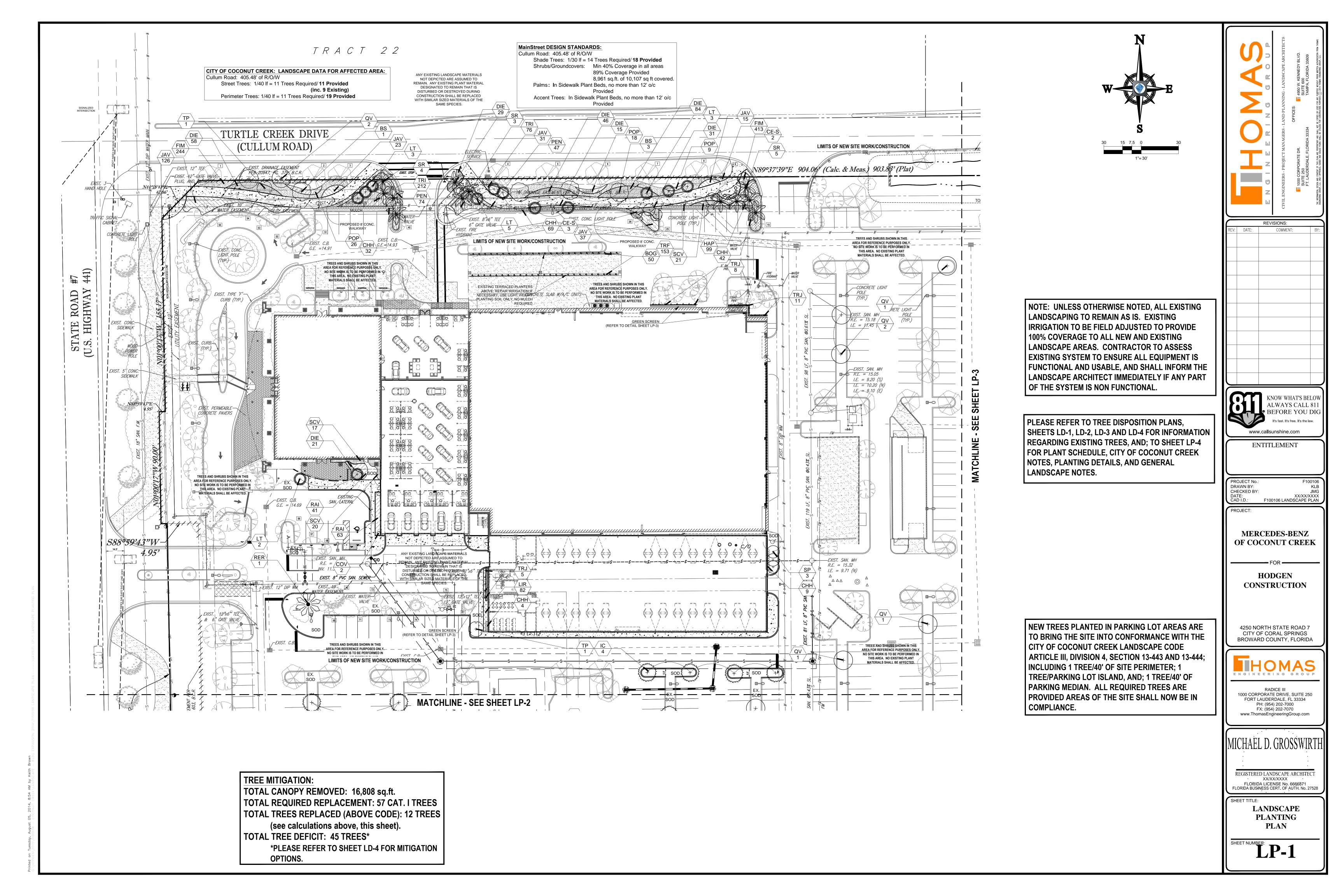
REGISTERED LANDSCAPE ARCHITECT
XX/XX/XXXX
FLORIDA LICENSE No. 6666871

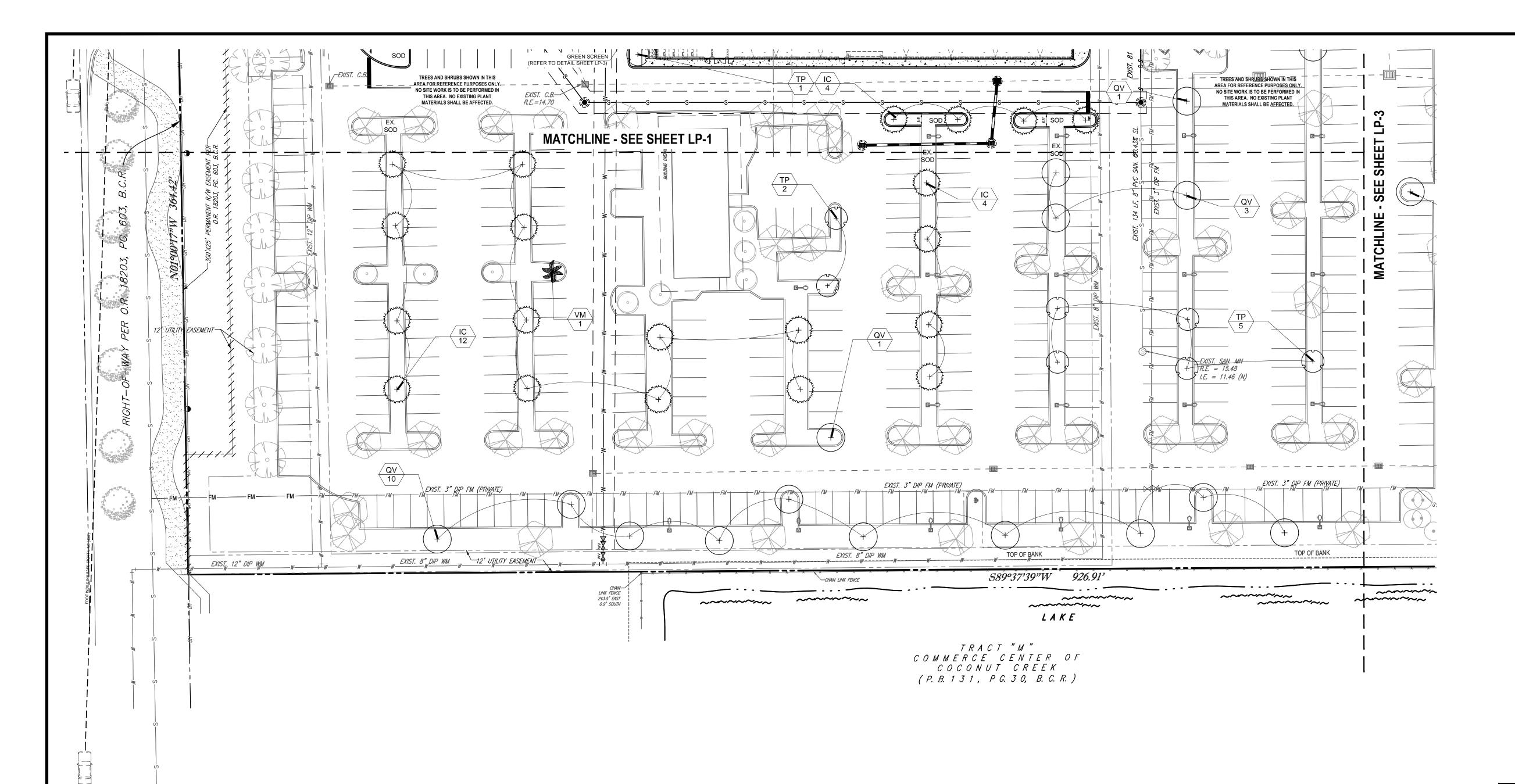
SHEET TITLE:

TREE

T NUMBER:

DISPOSITION CHART, NOTES, DETAILS





NOTE: UNLESS OTHERWISE NOTED, ALL EXISTING LANDSCAPING TO REMAIN AS IS. EXISTING IRRIGATION TO BE FIELD ADJUSTED TO PROVIDE 100% COVERAGE TO ALL NEW AND EXISTING LANDSCAPE AREAS. CONTRACTOR TO ASSESS EXISTING SYSTEM TO ENSURE ALL EQUIPMENT IS FUNCTIONAL AND USABLE, AND SHALL INFORM THE LANDSCAPE ARCHITECT IMMEDIATELY IF ANY PART OF THE SYSTEM IS NON FUNCTIONAL.

PLEASE REFER TO TREE DISPOSITION PLANS,
SHEETS LD-1, LD-2, LD-3 AND LD-4 FOR INFORMATION
REGARDING EXISTING TREES, AND; TO SHEET LP-4
FOR PLANT SCHEDULE, CITY OF COCONUT CREEK
NOTES, PLANTING DETAILS, AND GENERAL
LANDSCAPE NOTES.

TREE MITIGATION:

TOTAL CANOPY REMOVED: 16,808 sq.ft.
TOTAL REQUIRED REPLACEMENT: 57 CAT. I TREES
TOTAL TREES REPLACED (ABOVE CODE): 12 TREES
TOTAL TREE DEFICIT: 45 TREES*

*PLEASE REFER TO SHEET LD-4 FOR MITIGATION OPTIONS.

PLEASE REFER TO TOP OF SHEET LP-1 FOR MITIGATION CALCULATIONS.



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ENTITLEMENT

PROJECT No.: F100106
DRAWN BY: KLB
CHECKED BY: JMG
DATE: XX/XX/XXXX
CAD I.D.: F100106 LANDSCAPE PLAN

PROJECT:

MERCEDES-BENZ OF COCONUT CREEK

FOR —

HODGEN CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS BROWARD COUNTY, FLORIDA



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1000 CORPORATE DRIVE, SUITE 250
FORT LAUDERDALE, FL 33334
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www.ThomasEngineeringGroup.com

MICHAEL D. GROSSWIRTH

REGISTERED LANDSCAPE ARCHITECT

XX/XX/XXXX

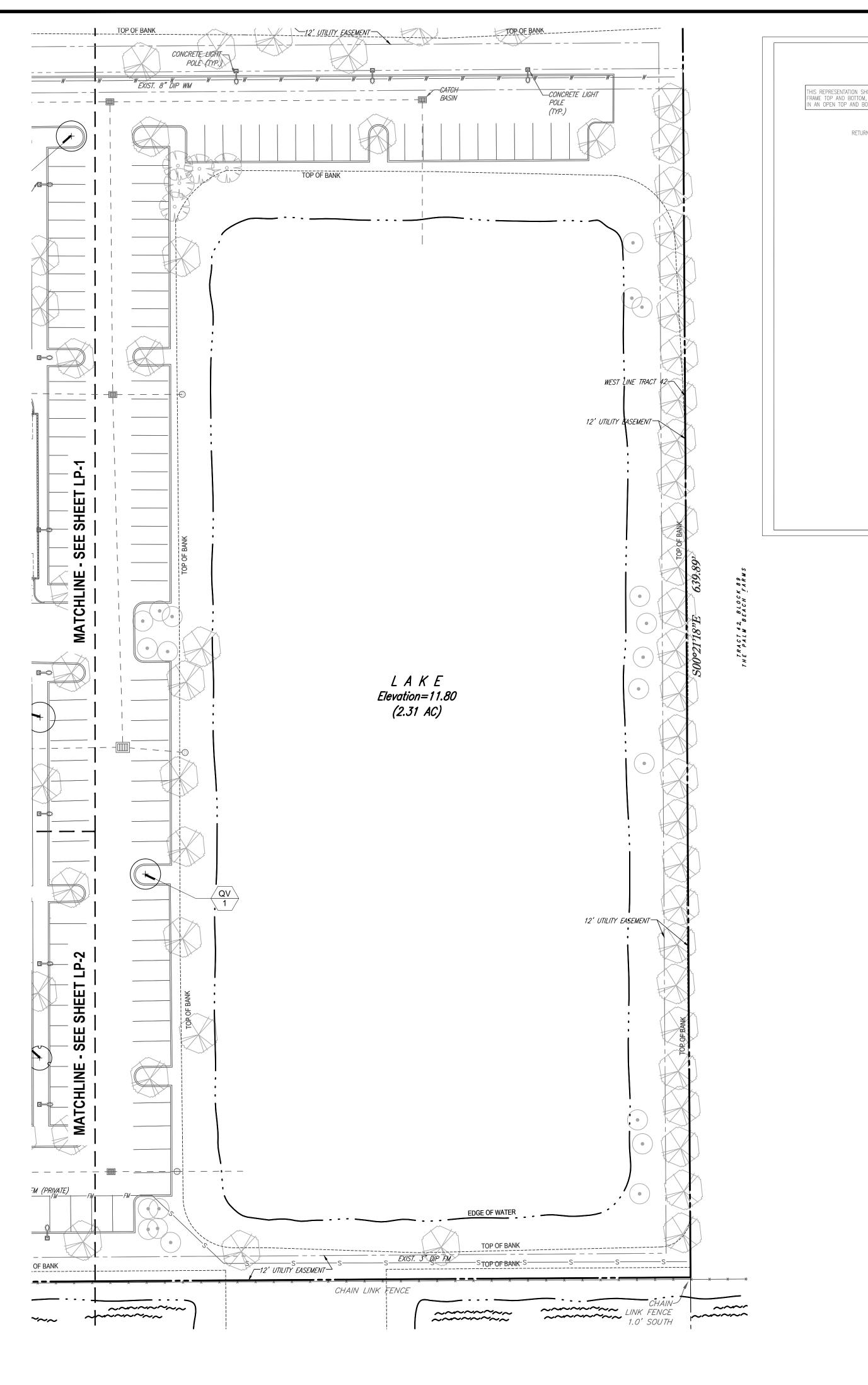
FLORIDA LICENSE No. 6666871
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

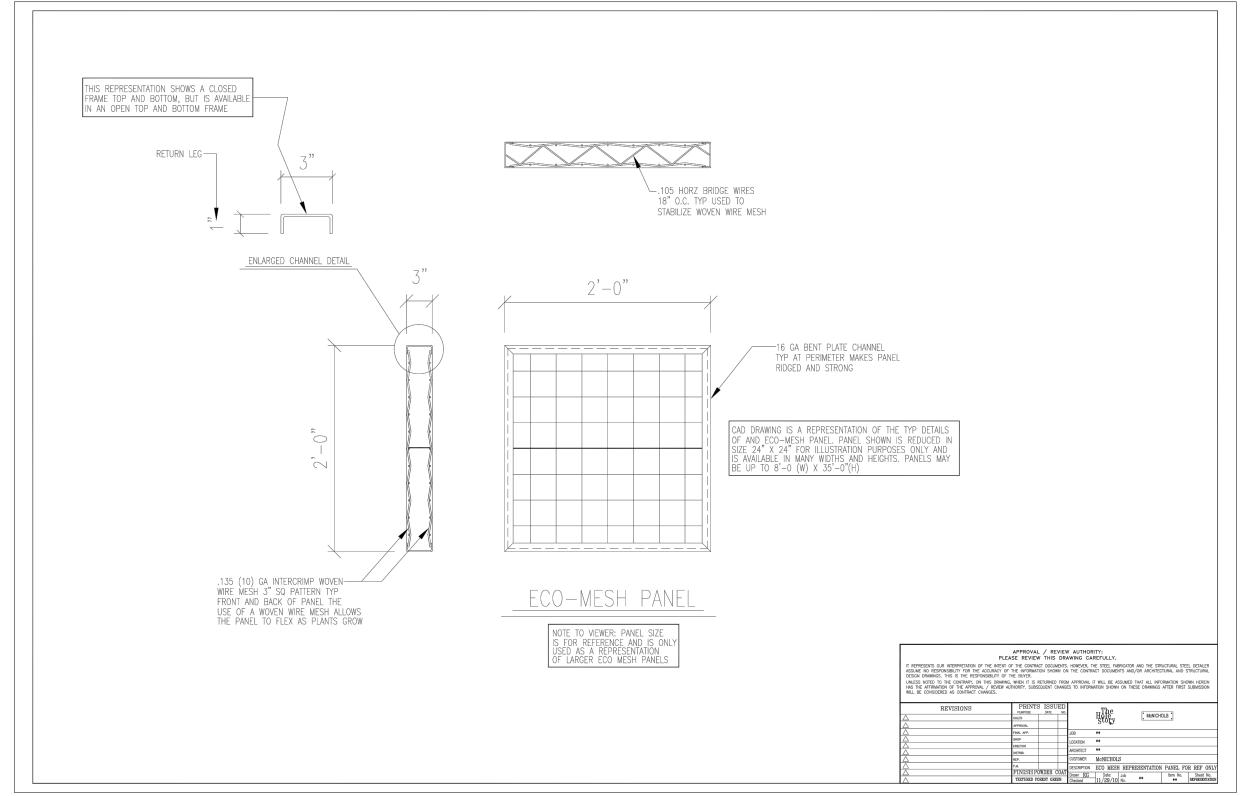
LANDSCAPE
PLANTING

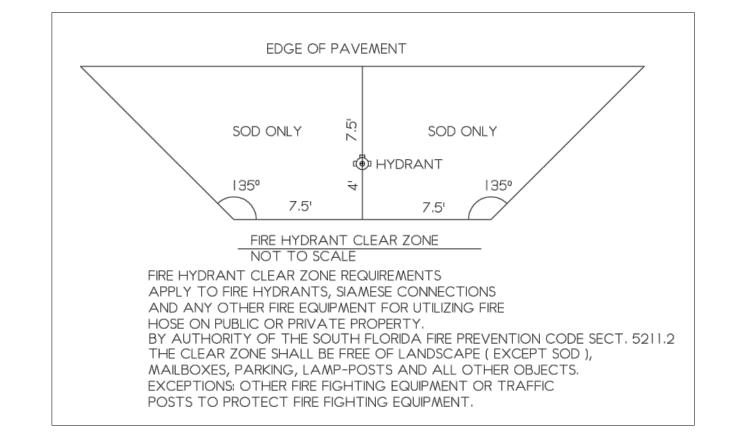
SHEET NUMBER:

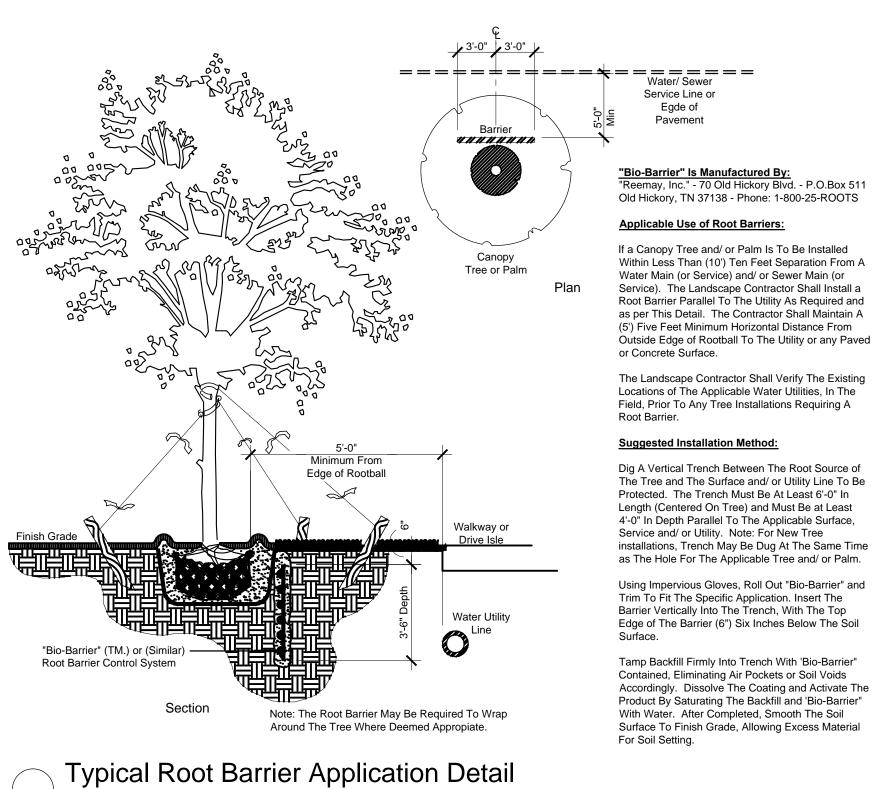
PLAN

NEW TREES PLANTED IN PARKING LOT AREAS ARE TO BRING THE SITE INTO CONFORMANCE WITH THE CITY OF COCONUT CREEK LANDSCAPE CODE ARTICLE III, DIVISION 4, SECTION 13-443 AND 13-444; INCLUDING 1 TREE/40' OF SITE PERIMETER; 1 TREE/PARKING LOT ISLAND, AND; 1 TREE/40' OF PARKING MEDIAN. ALL REQUIRED TREES ARE PROVIDED AREAS OF THE SITE SHALL NOW BE IN COMPLIANCE.



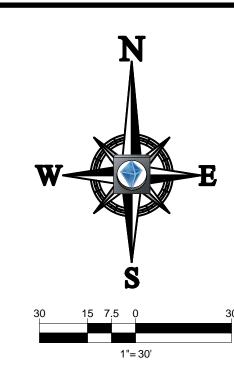






Not To Scale

Section / Plan



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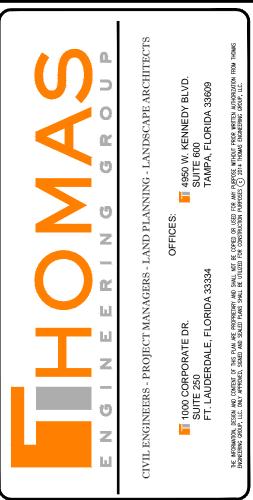
PLEASE REFER TO TREE DISPOSITION PLANS, SHEETS LD-1, LD-2, LD-3 AND LD-4 FOR INFORMATION REGARDING EXISTING TREES, AND; TO SHEET LP-4 FOR PLANT SCHEDULE, CITY OF COCONUT CREEK NOTES, PLANTING DETAILS, AND GENERAL LANDSCAPE NOTES.

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*PLEASE REFER TO SHEET LD-4 FOR MITIGATION
OPTIONS.
PLEASE REFER TO TOP OF SHEET LP-1 FOR

MITIGATION CALCULATIONS.



REV: DATE: COMMENT: BY:



ENTITLEMENT

PROJECT No.: F100106
DRAWN BY: KLB
CHECKED BY: JMG
DATE: XX/XX/XXXX
CAD I.D.: F100106 LANDSCAPE PLAN

MERCEDES-BENZ

OF COCONUT CREEK

HODGEN CONSTRUCTION

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BROWARD COUNTY, FLORIDA



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REGISTERED LANDSCAPE ARCHITECT

XX/XX/XXXX

FLORIDA LICENSE No. 6666871
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

PLAN

LANDSCAPE
PLANTING

SHEET NUMBER: LP-3

EXISTING PARKING LOT TREES TO REMAIN CONSIST PRIMARILY OF CABBAGE PALM, LIVE OAK AND GUMBO LIMBO. ALL NATIVE SPECIES. NEW PLANTINGS BREAK DOWN

AS FOLLOWS:

TOTAL TREES: 79

TOTAL NATIVE TREES REQUIRED: 40 (50%)

TOTAL NATIVE TREES PROVIDED: 51 (64.5%)

TOTAL SHRUBS: 1,371

TOTAL NATIVE SHRUBS REQUIRED: 386 (50%)

TOTAL NATIVE SHRUBS PROVIDED: 980 (71.4%)

ALL EXISTING SOD DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AND RESTORED TO PRE-CONSTRUCTION CONDITION. SOD AND MULCH QUANTITIES BY CONTRACTOR.

GENERAL NOTES:

1. PLANT MATERIAL: All plant material shall be Florida #1 or better as established by "Grades and Standards for Nursery Plants" of the state of Florida, Department of Agriculture.

2. All trees, shrubs and groundcovers shall be of the sizes as specified in the Plant List.

3. Quantities listed on the the Plant List are for estimating purposes. Contractor shall verify all quantities. Mulch, topsoil, fertilizer, etc. shall be included in the unit cost of the plants.

4. Where there is a discrepancy either in quantities, plant names, sizes or specifications between the plan or plant list, the plan takes precedence.

5. All planting beds and water basins for trees shall be covered with a 3" minimum depth of shredded eucalyptus or florimulch grade 'B' or better.

6. The Planting Plan shall be installed in compliance with all existing codes and applicable deed restrictions.

7. SOD: All areas not used for buildings, vehicular use areas, walks or planting beds shall be grassed. Grassing shall extend to any abutting street pavement edge and to the mean waterline of any abutting canal,

rootball. Minimum topsoil shall be 6" for groundcover areas and 2" for sodded grass areas. 9. Planting soil to be a weed-free mixture of 50% sand, 40% muck, and 10% Canadian peat. All plant material

8. PLANTING SOIL: All trees and shrubs shall be planted with a minimum of 12" topsoil around and beneath the

to receive planting soil as per details.

10. Contractor is responsible for determining all utility locations and installing facilities so as to not conflict. All damage to existing utilities or improvements caused by Contractor shall be repaired at no additional

11. Contractor to notify "Sunshine State One Call of Florida, Inc." at 1-800-432-4770 Two Full Business Days prior to digging for underground utility locations.

12. Contractor shall be responsible for providing final grading of all associated planting areas.

13. After final grade, area to be raked to 6" depth and all rock and foreign inorganic materials removed and disposed of properly off-site.

14. All planting holes to be hand dug except where machine dug holes will not adversely affect or damage utilities or improvements (see note 8).

15. No plunging of any tree or palm will be accepted. All plants to be planted at the nursery grade or

16. Contractor shall stake & guy all trees and palms at time of planting as per the appropriate detail. Contractor is responsible for the maintenance and/or repair of all staking and guying during warranty period and removal & disposal of staking after establishment period.

17. Fertilizer for grass areas shall be NPK 16-4-8 @ 12.5 lbs/1000 s.f. or 545 lbs/acre. Nitrogen 50% slow

release form & fertilizer to include secondary micronutrients.

18. SUBSTITUTIONS AND CHANGES: All substitutions and changes shall be approved in writing prior to installation. Any discrepancies between plans, site and specifications shall be brought to the immediate attention of the Landscape Architect, the owner and governing municipality.

19. WATERING: All plant material shall be watered in at time of planting in accordance with standard nursery practices. In addition, Contractor will continue watering of plant material until substantial completion and as needed thereafter for a period of 2 months.

20. All new plant material shall be guaranteed for I year from time of final acceptance of project. Any plant material not in a healthy growing condition will be replaced by the Contractor at no additional cost to the Owner within 10 days of notification. For all replacement plant material, the warranty period shall be extended an additional 45 days beyond the original warranty period. All trees that lean or are blown over, caused by winds less than 75 mph, will be re-set and braced by the Contractor at no additional cost to the Owner.

21. The successful bidder shall furnish to the Owner a unit price breakdown for all materials. The Owner may, at its discretion, add or delete from the materials utilizing the unit price breakdown submitted.

22. No plant material will be accepted showing evidence of cable, chain marks, equipment scars, or otherwise

23. Plant material will not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged

24. Root-prune all trees a minimum of (8) weeks prior to planting.

landscape detail for tree preservation barricade fencing.

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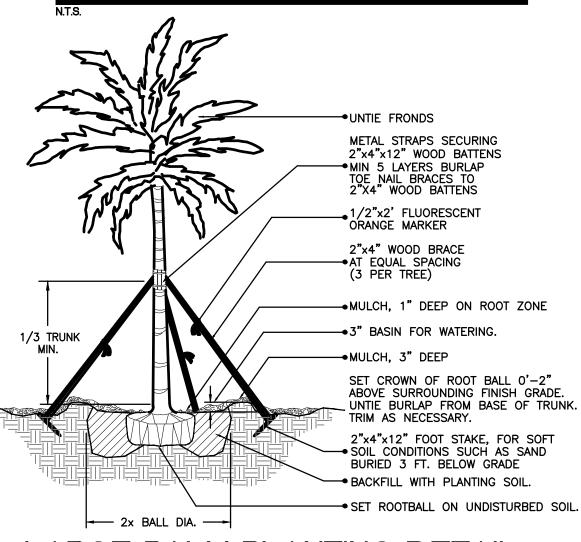
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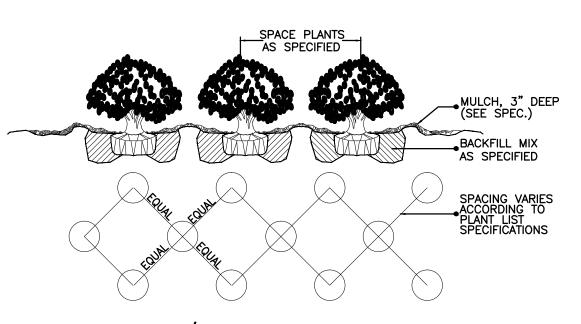
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NO DRIP LINE ENCROACHMENT NO ENTRY OR STORAGE 4' HT. BARRICADE FENCE OF ORANGE "TENSOR" HIGH VISIBILITY MESH. ___ 2"x4" MIN. WOOD POST AT DRIP LINE

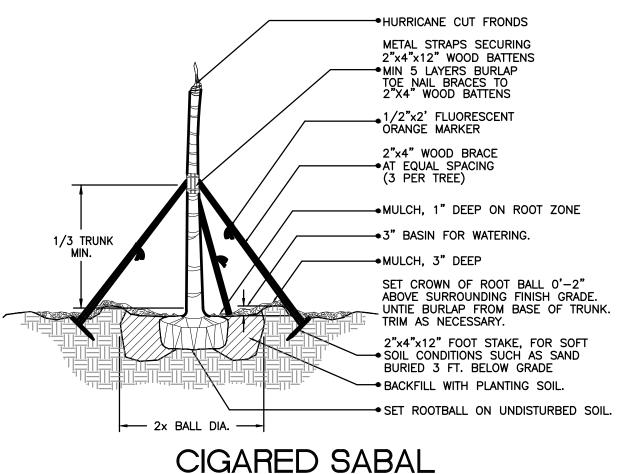
TREE PRESERVATION BARRICADE FENCING DETAIL



LARGE PALM PLANTING DETAIL



SHRUB / GROUNDCOVER SPACING / PLANTING DETAIL



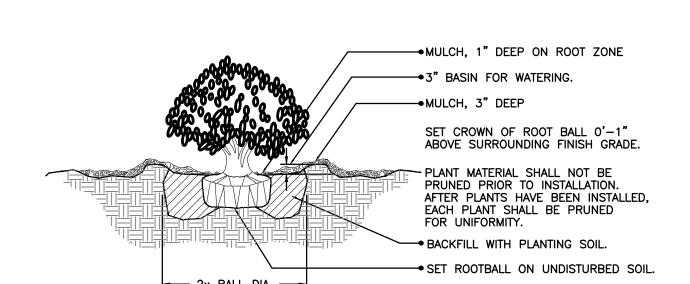
PALM PLANTING DETAIL

CITY OF COCONUT CREEK

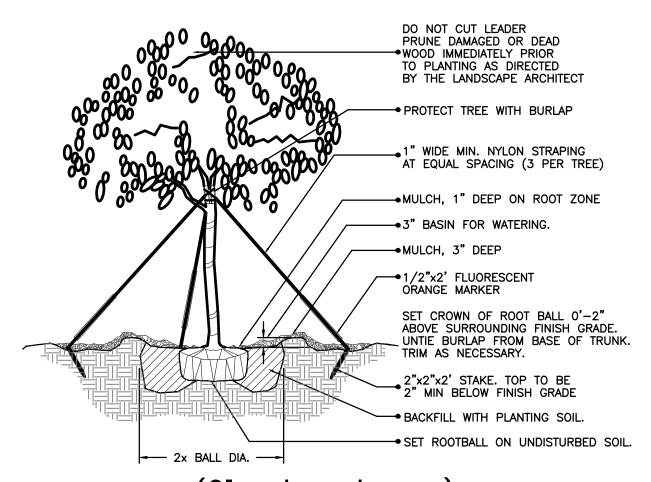
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NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".



SHRUB PLANTING DETAIL



(2" cal. and over) LARGE TREE PLANTING DETAIL

COMMENT:



ENTITLEMENT

DRAWN BY

XX/XX/XXXX

F100106 LANDSCAPE PLAN PROJECT

CHECKED BY

MERCEDES-BENZ OF COCONUT CREEK

> — FOR — **HODGEN**

CONSTRUCTION

4250 NORTH STATE ROAD 7 CITY OF CORAL SPRINGS

BROWARD COUNTY, FLORIDA

RADICE III 1000 CORPORATE DRIVE, SUITE 250 FORT LAUDERDALE, FL 33334 PH: (954) 202-7000 FX: (954) 202-7070

www.ThomasEngineeringGroup.com

MICHAEL D. GROSSWIRTH

REGISTERED LANDSCAPE ARCHITECT XX/XX/XXXX FLORIDA LICENSE No. 6666871 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

LANDSCAPE PLANT LIST, NOTES & DETAILS

slightly higher.