

SITE DEVELOPMENT DRAWINGS FOR:

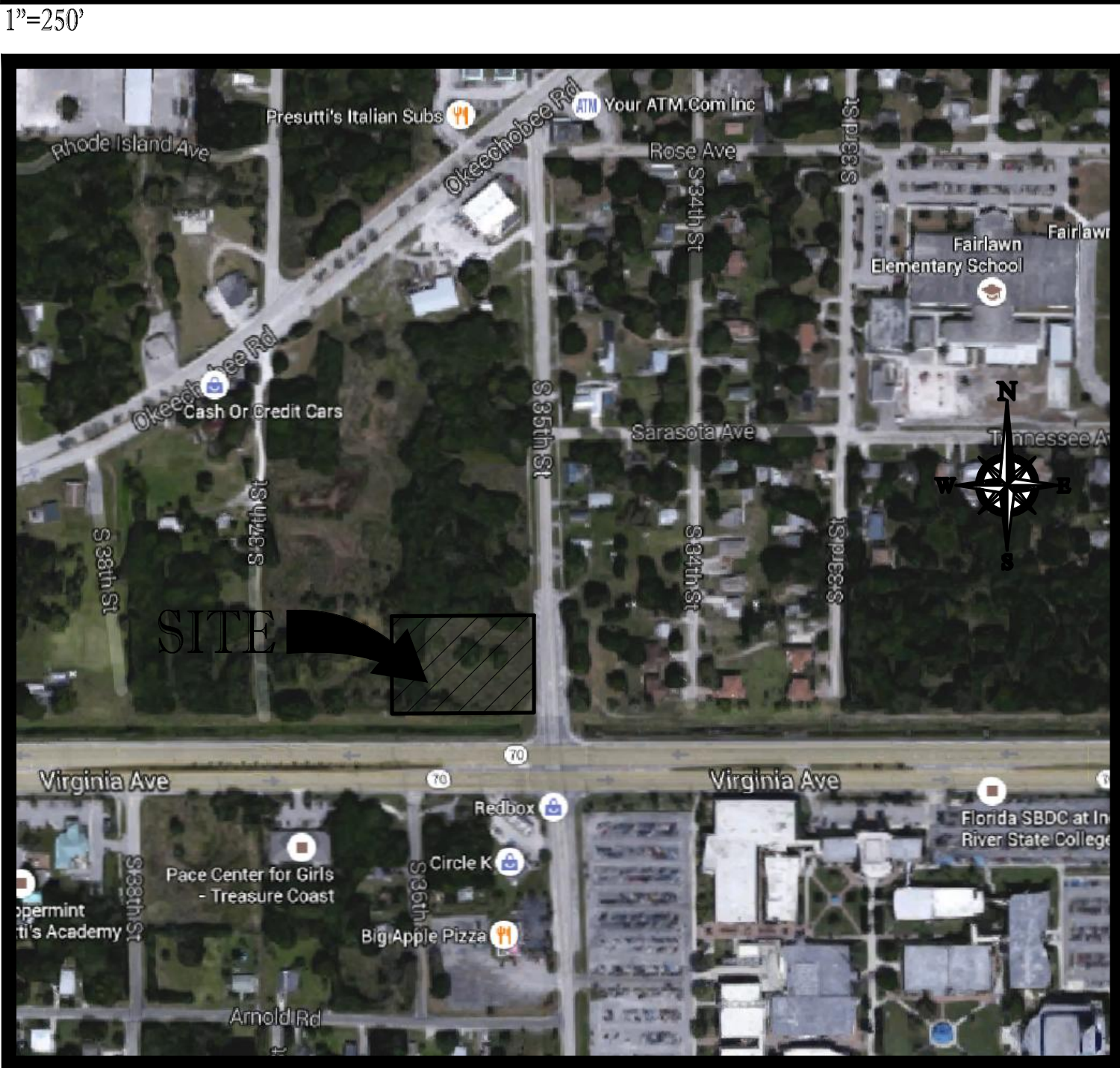


2009 SOUTH 35th STREET

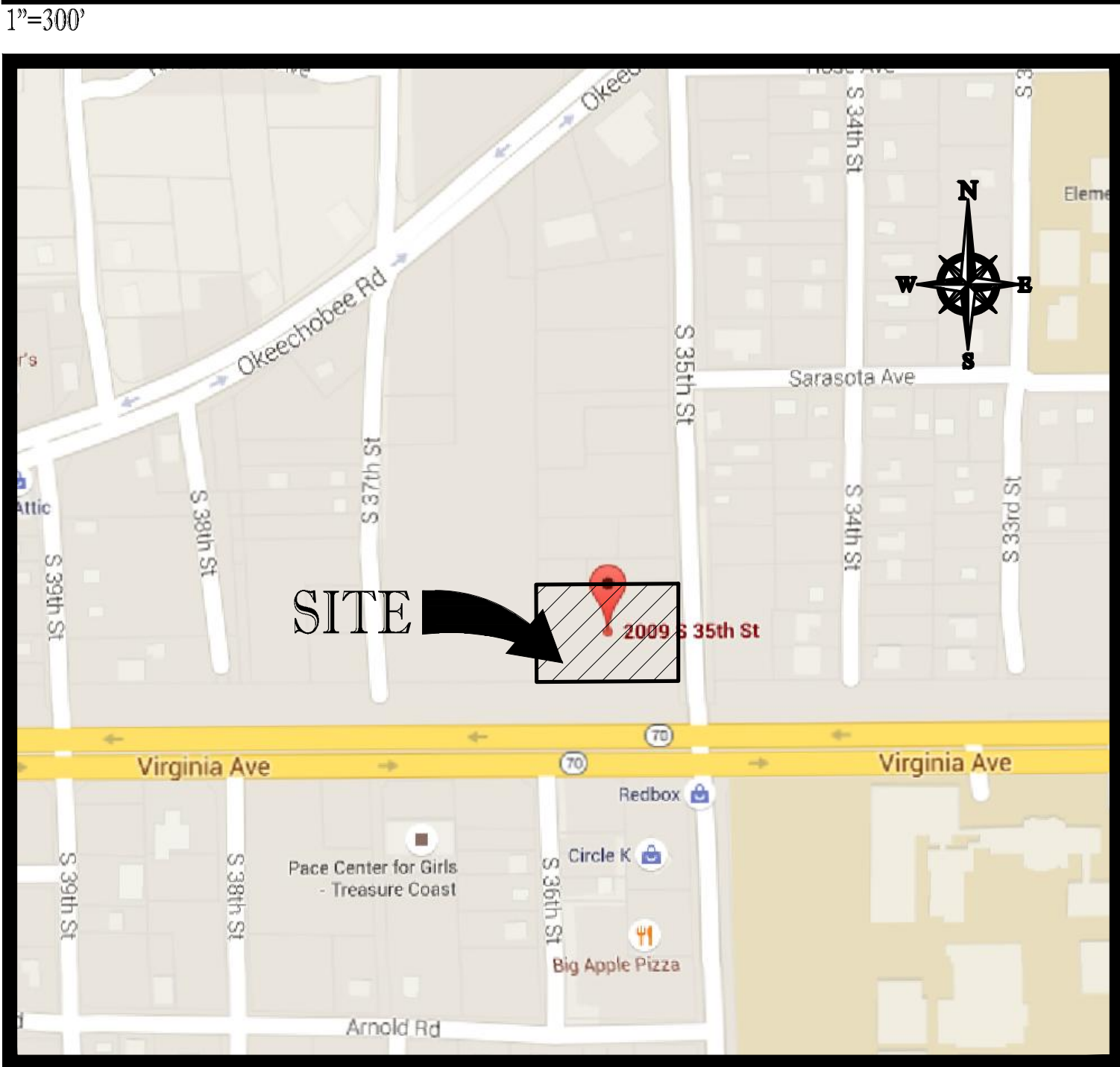
FORT PIERCE, FL 34981

SECTION 17, TOWNSHIP 35 S, RANGE 40 E

LOCATION MAP



VICINITY MAP



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PREPARED BY



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LEGAL DESCRIPTION:

PARCEL 1: THE SOUTH ACRE OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 17, TOWNSHIP 35 SOUTH, RANGE 40 EAST, ST. LUCIE COUNTY, FLORIDA, LESS AND EXCEPTING RIGHT OF WAY FOR DRAINAGE CANAL AND PUBLIC ROAD

PARCEL 2: THE NORTH 1 ACRE OF THE SOUTH 2 ACRES OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 17, TOWNSHIP 35 SOUTH, RANGE 40 EAST, ST. LUCIE COUNTY, FLORIDA, LESS AND EXCEPTING RIGHT OF WAY FOR DRAINAGE CANAL AND PUBLIC ROAD



REVISIONS			
REV.	DATE	COMMENT	BY



PROJECT No.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-COVER SHEET

PROJECT:

**2009 SOUTH 35TH STREET
FORT PIERCE, FL**

FOR

FORT PIERCE, FLORIDA

RADICE III
 1000 CORPORATE DRIVE, SUITE 250
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CLAUDINE ALEXANDER

PROFESSIONAL ENGINEER
 December 22, 2015
 FLORIDA LICENSE No. 53822
 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

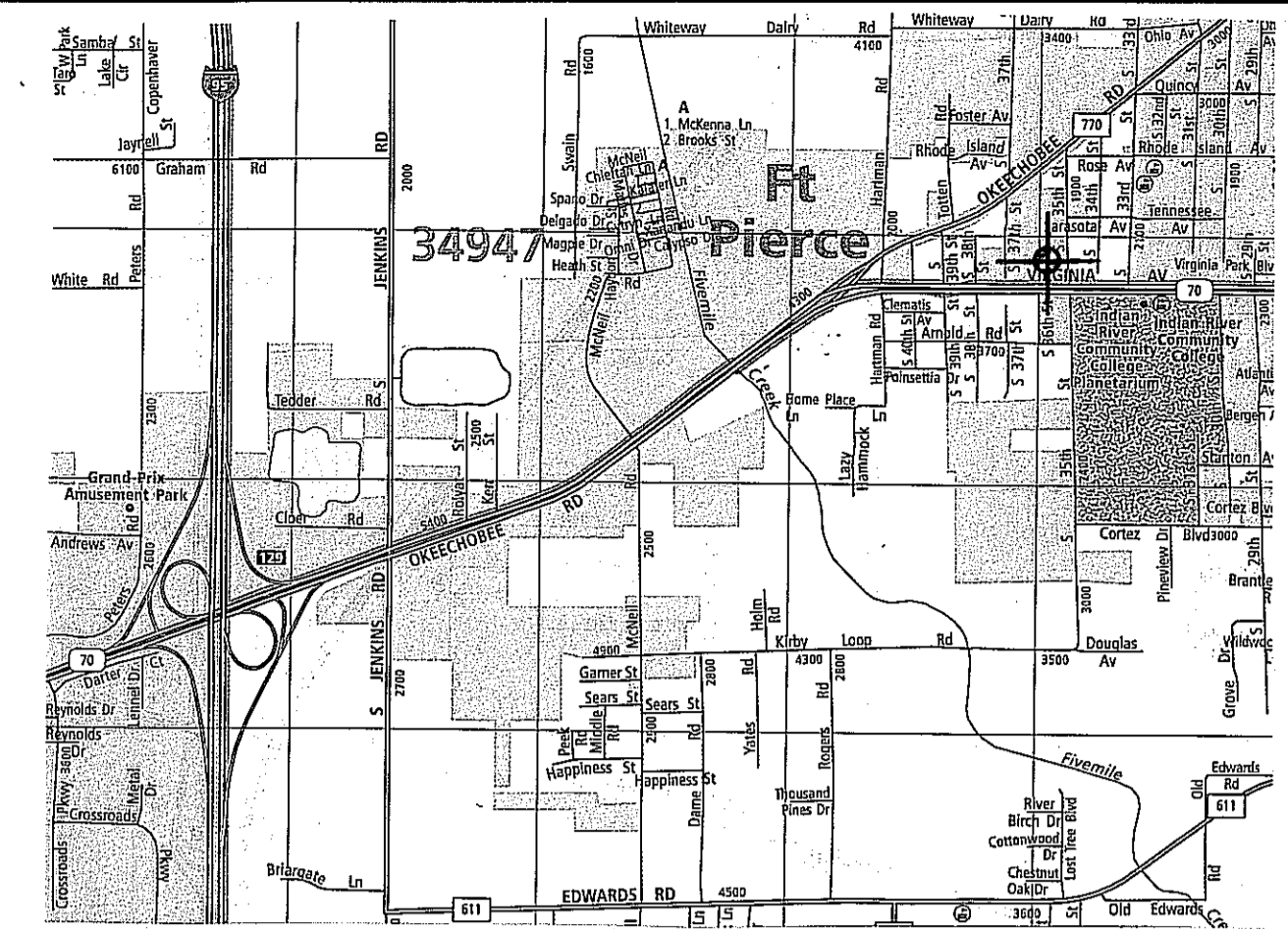
COVER SHEET

SHEET NUMBER:

CFG01.0

LEGEND

- ⊕ POWER POLE
- ⊙ MANHOLE
- ☆ LIGHT POST
- INV. INVERT
- EL. ELEVATION
- NSLRWMD NORTH ST. LUCIE RIVER WATER MANAGEMENT DISTRICT
- C.B.S. CONCRETE BLOCK STRUCTURE
- RLS REGISTERED LAND SURVEYOR
- RCP REINFORCED CONCRETE PIPE
- ORB OFFICIAL RECORDS BOOK
- ⊕ WATER VALVE
- ⊕ FIRE HYDRANT
- ⊕ SPOT ELEVATIONS
- ⊕ SEWER VALVE
- LB LICENSED BUSINESS
- TREE
- C & M CALCULATED/MEASURED
- PG PAGE
- CPP CONCRETE POWER POLE
- DB DEED BOOK



LOCATION MAP: NOT TO SCALE

ALTA/ACSM LAND TITLE SURVEY

LEGAL DESCRIPTION:

PARCEL 1: THE SOUTH ACRE OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 17, TOWNSHIP 35 SOUTH, RANGE 40 EAST, ST. LUCIE COUNTY, FLORIDA, LESS AND EXCEPTING RIGHT OF WAY FOR DRAINAGE CANAL AND PUBLIC ROAD.

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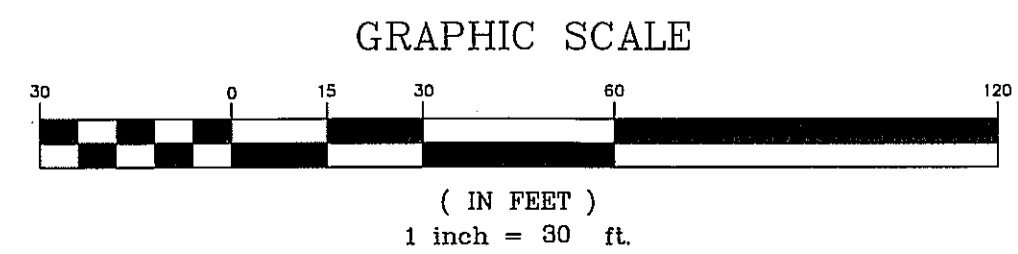
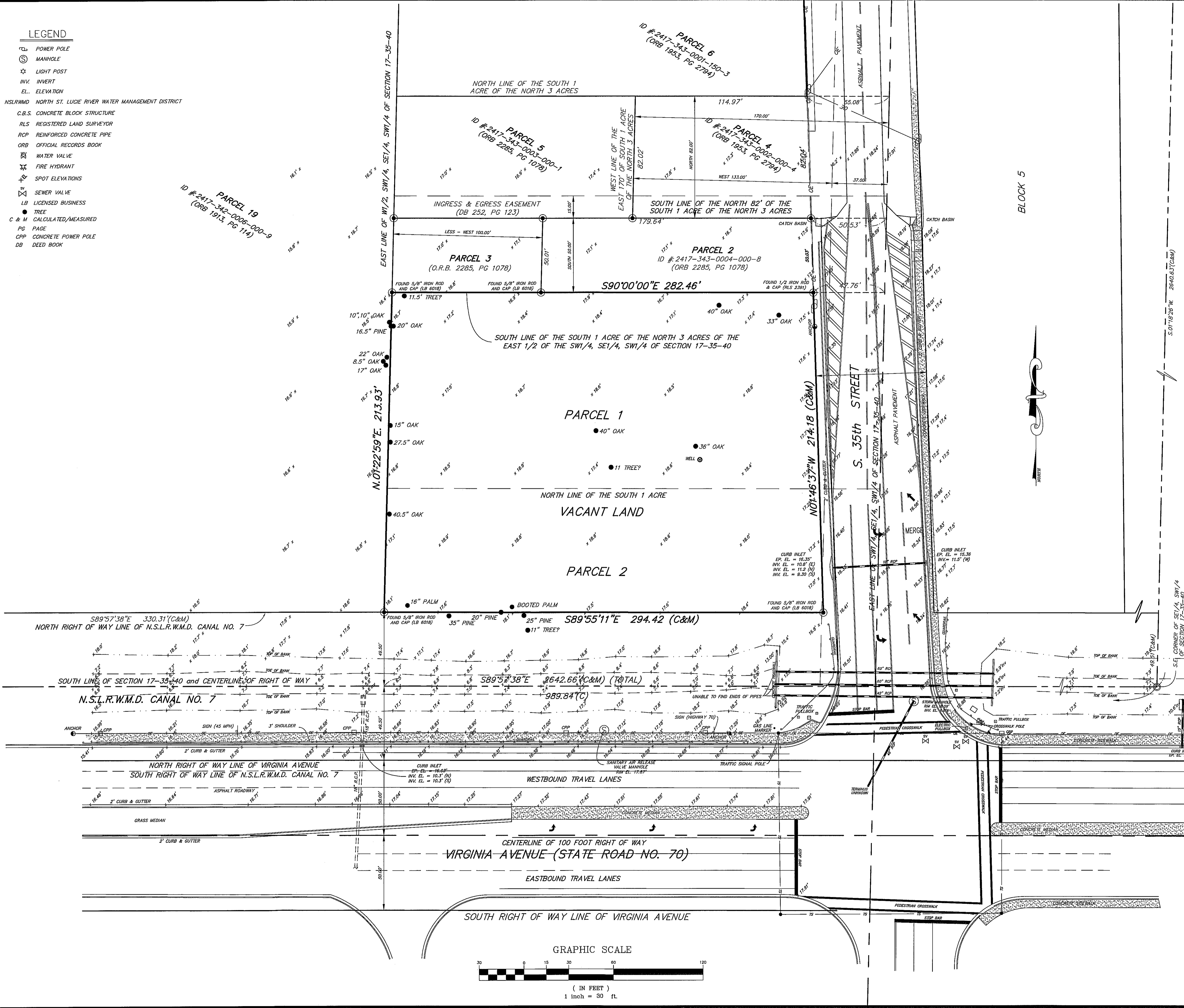
SURVEYOR'S NOTES:

1. NO ATTEMPT WAS MADE BY THIS FIRM TO LOCATE UNDERGROUND UTILITIES ON/OR ADJACENT TO THIS SITE. THE APPROXIMATE LOCATION OF ALL UTILITIES SHOWN HEREON WERE TAKEN FROM AS-BUILT DRAWINGS AND/OR ON-SITE LOCATION AND SHOULD BE VERIFIED BEFORE CONSTRUCTION.
2. NO ATTEMPT WAS MADE BY THIS FIRM TO LOCATE UNDERGROUND FOOTINGS OF BUILDINGS OR FENCES ON OR ADJACENT TO THIS SITE.
3. LANDS SHOWN HEREON WERE SURVEYED IN ACCORDANCE WITH TITLE COMMITMENT BY FIRST AMERICAN TITLE INSURANCE COMPANY, FAFN: 2037-3408365, EFFECTIVE DATE: 8-7-2015 @ 8'AM.
4. BEARINGS SHOWN HEREON REFER TO AN ASSUMED MERIDIAN OF S.01°46'37"W. ALONG THE WEST RIGHT-OF-WAY .35 TH STREET.
5. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. ST. LUCIE COUNTY BENCHMARK: REFERENCE: VIR 3-22 HARRY (ELEVATION 15.843')
6. LEGAL DESCRIPTION FURNISHED BY CLIENT.
7. SITE AREA 61716.49 SQUARE FEET OR 1.42 ACRES MORE OR LESS.
8. THIS SITE LIES IN FLOOD ZONE 'X' AS SCALED AND INTERPOLATED FROM FEMA MAP PANEL NO. 12111C-0186-J, DATED: FEBRUARY 16, 2012.
9. THERE WAS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING REPAIRS.
10. THERE WAS NO OBSERVED EVIDENCE OF THIS SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

SURVEYOR'S CERTIFICATION:

TO: CUMBERLAND FARMS, INC., A DELAWARE CORPORATION AND FIRST AMERICAN TITLE INSURANCE COMPANY.
 THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES 1, 2, 3, 4, 5, 9, 11(c), 16 AND 18 OF TABLE 'A' THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 11, 2015.

ROBERT BLOOMSTER JR.
 PROFESSIONAL LAND SURVEYOR
 NO. 4134 STATE OF FLORIDA



BLOOMSTER
 PROFESSIONAL LAND SURVEYORS, INC.
 L.B. #6018

641 NORTHEAST SPENCER STREET
 JENSEN BEACH, FLORIDA 34957
 PHONE 772-334-0868

SHEET 1 OF 1		
DRAWN BY:	DPK	
SCALE:	1" = 30'	
DATE:	8/11/15	
FIELD BOOK:	SKETCH	
JOB NO.:	13181	
REVISIONS		
DATE:	DESCRIPTION:	BY:

PREPARED FOR: CUMBERLAND FARMS
 2009 SOUTH 35th STREET
 FORT PIERCE, ST. LUCIE COUNTY, FLORIDA

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE CONFORMANCE TO THESE REQUIREMENTS BY ALL SUBCONTRACTORS.

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

-ALTA/CVSM LAND TITLE SURVEY - BLOOMSTER LAND SURVEYORS, DATED 08-11-15.

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

2. ALL HANDICAPPED PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. SEC. 12101 ET SEQ. AND 42 U.S.C. SEC. 4151 ET SEQ.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE CONSTRUCTED.

3. 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 RECEIVED AND APPROPRIATE AGENCIES' AND STANDARDS OF THE CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.

4. THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE REQUIREMENTS OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

5. 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.

6. 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.

7. THE ALTA/CVSM LAND TITLE SURVEY PREPARED BY BLOOMSTER LAND SURVEYORS, DATED 08-11-15 SHALL BE CONSIDERED A PART OF THESE PLANS.

8. 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 OF ANY DISCREPANCIES FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.

9. 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 START OF CONSTRUCTION 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 POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, EXACT BUILDING UTILITY LOCATIONS.

11. 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.

13. 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 ADJACENT TO PAVED AREAS, 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 4000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.

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.

18. 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.

21. 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 PROCEDURES AND 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 CONTRACTOR'S PRICE.

24. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING THE 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 FORT PIERCE 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 THE M.C.D. AND APPROVED BY CITY OF FORT PIERCE AND ST. LUCIE 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 TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION FROM CITY OF FORT PIERCE.

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.

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 CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS. (2" SHALL BE DR-25)

2. DUCTILE IRON PIPE (DIP) SHALL BE CEMENT OR POLYURETHANE INSULATED AND SHALL HAVE A COAL TAR EPOXY COATING, MANUFACTURED IN ACCORDANCE WITH ANSIIAWWA C151/A21-51 OR LATEST REVISION, MINIMUM WALL THICKNESS CLASS 52 (4" -12") & CLASS 91 (14"-20") UNLESS OTHERWISE SPECIFIED.

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 D2221, 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 ANSIIAWWA C600-99 OR LATEST REVISION.

c. BEDDING AND INITIAL BACKFILL OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK (PER CITY OF FORT PIERCE ENGINEERING STANDARDS).

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 TREATED STAINLESS STEEL OR GALVANIZED STEEL PAINTED RED, EXTENDING 18" (MIN) ABOVE GRADE.

e. CONTRACTOR SHALL ROUGH IN RISER TO 1 FOOT ABOVE FINISHED GRADE AND PLUG, AT PROJECT COMPLETION, CUT BACK TO FINISHED GRADE.

f. CONNECTION OF SERVICES TO BUILDINGS PLUMBING SHALL BE COORDINATED WITH THE CITY'S BUILDING 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 PORTION 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 VISIBLE LEAKAGE ALLOWED.

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 TELEVISID AND LAMPED AT DEVELOPER'S EXPENSE, PRIOR TO FINAL ACCEPTANCE. OWNER / CONTRACTOR TO BE RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES PRIOR TO CERTIFICATION TO ANY AGENCY.

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

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 FORT PIERCE UTILITIES DEPARTMENT AND THE ST. LUCIE COUNTY PUBLIC HEALTH UNIT.

2. BEDDING AND INITIAL BACKFILL FOR MAINS SHALL BE SAND WITH NO ROCK (PER CITY OF FORT PIERCE - UTILITY SYSTEMS DEPARTMENT - UTILITY STANDARDS MANUAL 2011 EDITION).

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

4. SEPARATION REQUIREMENTS SHALL BE PER THE CITY OF WEST ST. LUCIE ENGINEERING STANDARDS.

5. CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FORT PIERCE ENGINEERING STANDARDS AND SPECIFICATIONS.

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 PERMANENT COATED OUTSIDE. WATER MAIN & EPOXY LINED & COATED FORCE MAIN MANUFACTURED IN ACCORDANCE WITH ANSIIAWWA C151/A21-51 OR LATEST REVISION. THE PIPE SHALL WITHSTAND A WORKING PRESSURE OF 150 PSI. 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 ANSIIAWWA C300-89 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 ANSIIAWWA C110/A21-10-93 OR LATEST REVISION, COMPLETE WITH GLANDS, GASKETS, BOLTS AND NUTS. 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 ANSIIAWWA C509-87 OR LATEST REVISION, AND SHALL HAVE MECHANICAL JOINTS.

5. 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 ANSIIAWWA C509-87.

6. TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL.

7. GATE VALVES SHALL BE PER THE CITY OF FORT PIERCE ENGINEERING STANDARDS.

8. TAPPING SLEEVES SHALL BE MUELLER H615 OR APPROVED EQUAL PER CITY OF FORT PIERCE.

9. VALVE BOXES SHALL BE TYLER/JUNION 461-S OR APPROVED EQUAL PER CITY OF FORT PIERCE.

10. RETAINER GLANDS SHALL CONFORM TO ANSIIAWWA 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.

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

12. FIRE HYDRANTS SHALL HAVE A 5/4" MAIN VALVE OPENING. PUMPER NOZZLE TO BE 1/2" FROM FINISH GRADE. ALL HYDRANTS SHALL BE INSTALLED WITH ANCHORING AND CONTROL VALVE. FIRE HYDRANT SHALL COMPLY WITH ANSIIAWWA C502-85 (OR LATEST REVISION). HYDRANTS SHALL BE AMERICAN DARLING B-84-B, BLUE REFLECTIVE PAVEMENT MARKER REQUIRED IN CENTER OF NEAREST DRIVING LANE FOR FIRE HYDRANTS.

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

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 "O" RING GASKETS SHALL BE INSTALLED AT ANCHORING POINT. METER SHALL BE EQUIPPED WITH A METER COUPLING NUT ON THE OUTLET SIDES, AS MANUFACTURED BY MUELLER OR APPROVED EQUAL.

4. SERVICE PIPING SHALL BE POLYETHYLENE TUBING.

D. INSTALLATION:

1. GENERAL: CONNECTION OF ALL NEW SYSTEMS TO EXISTING MAINS SHALL BE DONE BY USING ONE OF THE FOLLOWING METHODS:

a. METHOD A PER ST. LUCIE COUNTY PUBLIC HEALTH UNIT STANDARDS, WHICH INVOLVES A REDUCED SIZE TEMPORARY CONNECTION BETWEEN THE EXISTING MAIN AND THE NEW ONE.

b. METHOD B PER ST. LUCIE 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 ST. LUCIE 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 OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK (PER CITY OF FORT PIERCE ENGINEERING STANDARDS).

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 ANSIIAWWA C600-99 OR LATEST REVISION.

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

5. VALVES:
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 IN PARKING AREAS OR IN PARKING STALLS REQUIRE A REFLECTIVE PAVEMENT MARKER ON THE CENTER OF THE VALVE. WHITE REFLECTORS FOR THE WATER MAIN VALVES, GREEN REFLECTORS FOR FORCE MAIN VALVES. THE DISTANCE FROM THE TOP OF THE VALVE ACTUATOR NUT TO FINAL GRADE SHALL BE A MINIMUM OF 12 INCHES AND A MAXIMUM OF 18 INCHES.

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 POLYETHYLENE TUBING PER CITY OF FORT PIERCE.

c. METER STOPS SHALL HAVE 6" 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 PAVEMENT. WHITE REFLECTORS FOR THE WATER MAIN VALVES, GREEN REFLECTORS FOR FORCE MAIN VALVES. THE DISTANCE FROM THE TOP OF THE VALVE ACTUATOR NUT TO FINAL GRADE SHALL BE A MINIMUM OF 12 INCHES AND A MAXIMUM OF 18 INCHES.

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 ANSIIAWWA C600-99 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 FORT PIERCE AND THE ENGINEER OF RECORD.

3. BEFORE ACCEPTANCE FOR OPERATION, THE WATER SYSTEM SHALL BE DISINFECTED. THE COMPLETE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSIIAWWA C651-92; 150 PSI MINIMUM STARTING TEST PRESSURE, WITH BACTERIOLOGICAL SAMPLES APPROVED BY THE ST. LUCIE 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 1500' 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 ST. LUCIE COUNTY PUBLIC HEALTH DEPARTMENT.

5. THE ALLOWABLE LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:
$$L = \frac{S \cdot D \cdot p \cdot 0.5}{148,000}$$

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).

6. TAPPING VALVES SHALL BE MUELLER H667 OR APPROVED EQUAL.

7. GATE VALVES SHALL BE PER THE CITY OF FORT PIERCE ENGINEERING STANDARDS.

8. TAPPING SLEEVES SHALL BE MUELLER H615 OR APPROVED EQUAL PER CITY OF FORT PIERCE.

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

12. FIRE HYDRANTS SHALL HAVE A 5/4" MAIN VALVE OPENING. PUMPER NOZZLE TO BE 1/2" FROM FINISH GRADE. ALL HYDRANTS SHALL BE INSTALLED WITH ANCHORING AND CONTROL VALVE. FIRE HYDRANT SHALL COMPLY WITH ANSIIAWWA C502-85 (OR LATEST REVISION). HYDRANTS SHALL BE AMERICAN DARLING B-84-B, BLUE REFLECTIVE PAVEMENT MARKER REQUIRED IN CENTER OF NEAREST DRIVING LANE FOR FIRE HYDRANTS.

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b. METHOD B PER ST. LUCIE 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 ST. LUCIE 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 OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK (PER CITY OF FORT PIERCE ENGINEERING STANDARDS).

STORM DRAINAGE:

A. GENERAL:

1. CATCH BASIN GRATES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.

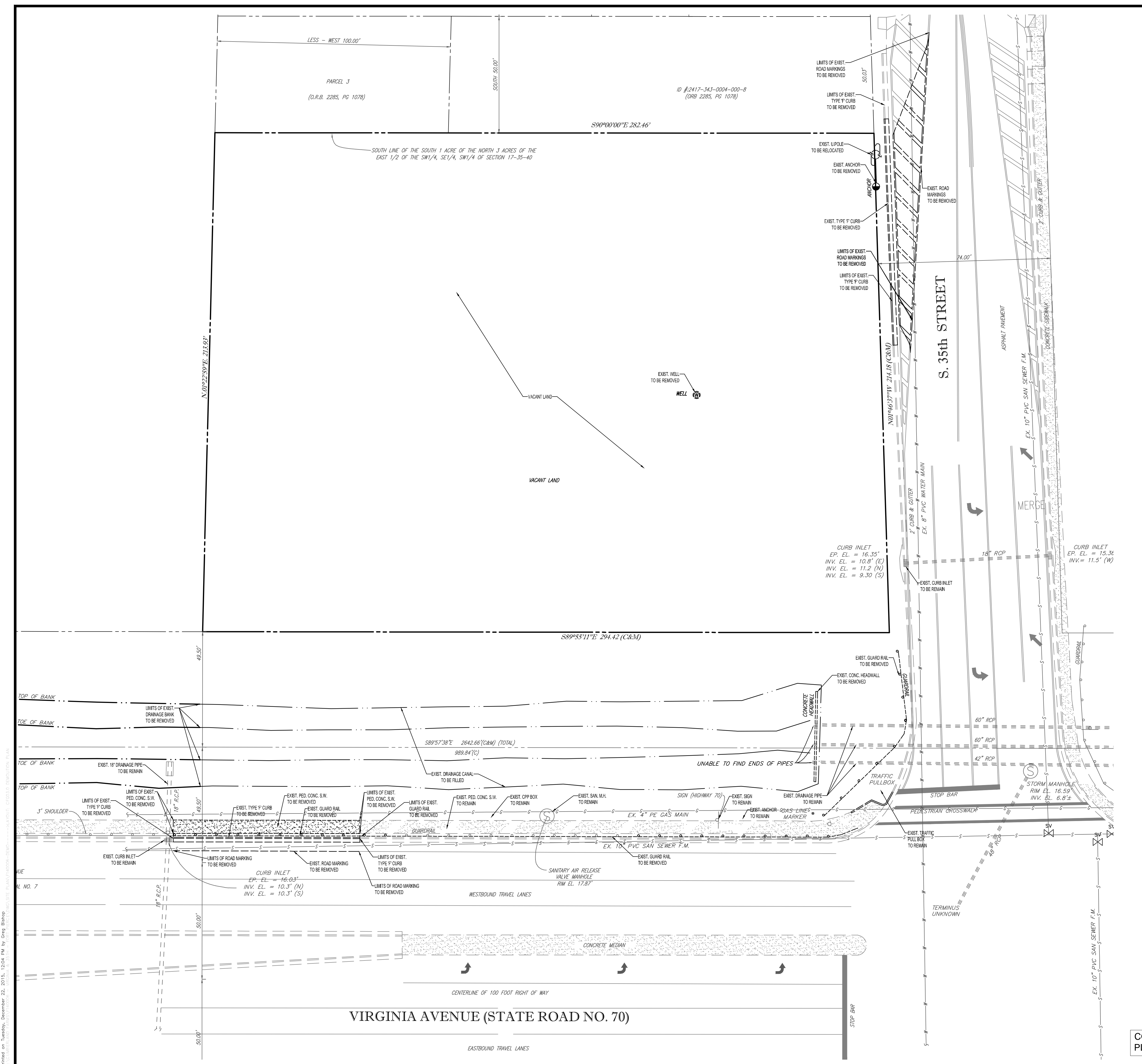
2. DISTANCES AND LENGTHS SHOWN ON PLANS REFERENCE THE CENTER OF STRUCTURES.

B. MATERIALS:

1. ALL HIGH DENSITY POLYETHYLENE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M - 294 LATEST REVISIONS. ALL PIPING TO BE NON-PERFORATED TUBING, EXCEPT WHERE EXFILTRATION TRENCH IS PROPOSED.

2. ALL YARD DRAIN BASINS ARE TO BE HIGH DENSITY POLYETHYLENE 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 I M SPECIFICATION C-178 AND NOT 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.



DEMOLITION NOTES:

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY: BLOOMSTER PROFESSIONAL LAND SURVEYORS, INC. 641 NORTHEAST SPENCER STREET JENSEN BEACH, FLORIDA 34957 DATED: 8/11/15
- THOMAS ENGINEERING GROUP, LLC IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO THOMAS ENGINEERING GROUP, LLC IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
- PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR:
 - THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
 - ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - LOCATE/CAP ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE.
 - PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 - COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
 - A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE.
- SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS TO ENSURE PUBLIC AND CONTRACTOR SAFETY. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY.
- TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
- IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
- EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL" AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS-OF-WAY.
- CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
- DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
- USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL CITY, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

- NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
 - ALL EXISTING UTILITIES SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH ST. LUCIE COUNTY AND LOCAL UTILITY COMPANY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.

HATCH LEGEND

EXISTING CONCRETE TO BE REMOVED

CONTRACTOR SHALL REFER TO LANDSCAPE PLANS FOR TREE REMOVAL/RELOCATION.

THOMAS ENGINEERING GROUP
 CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
 1000 CORPORATE DR. # 4800 W. KENNEDY BLVD. 125 W. INDIANTOWN RD.
 FORT LAUDERDALE, FL 33334 JUPITER, FL 33468
 TAMPA, FL 33609
 P: 813-379-4100 P: 561-203-7003
 P: 954-202-7000
 THE INFORMATION, DESIGN AND CONSTRUCTION OF THIS PLAN AND ANY OTHER DOCUMENTS OR INSTRUMENTS OF SERVICE FOR ANY PROJECT WHICH FORMS PART OF THIS PROJECT SHALL BE THE SOLE RESPONSIBILITY OF THOMAS ENGINEERING GROUP, LLC. ANY APPLICABLE, LOCAL, STATE AND FEDERAL LAWS SHALL BE OBSERVED FOR CONSTRUCTION.

REVISIONS

REV.	DATE	COMMENT	BY

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 www.callsunshine.com

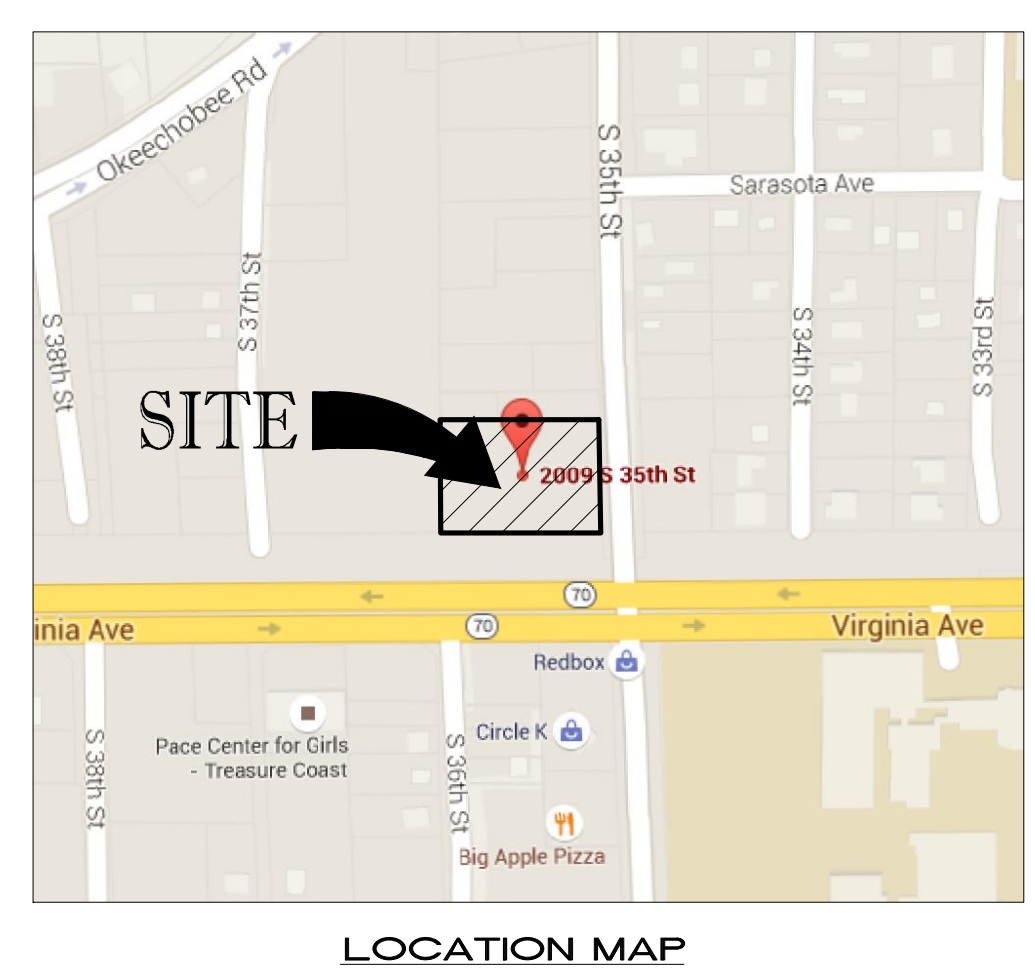
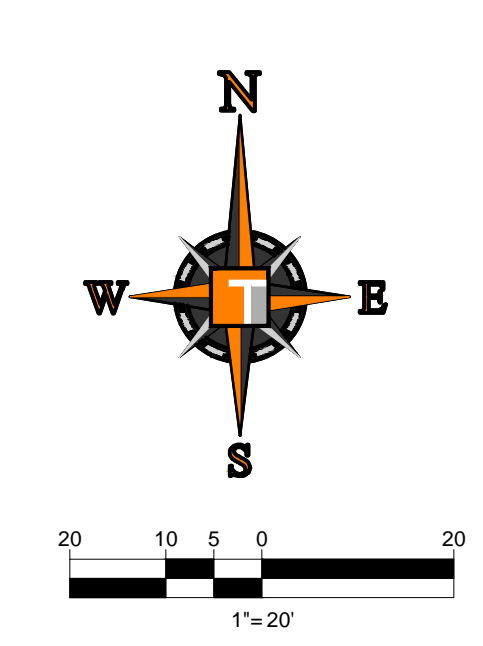
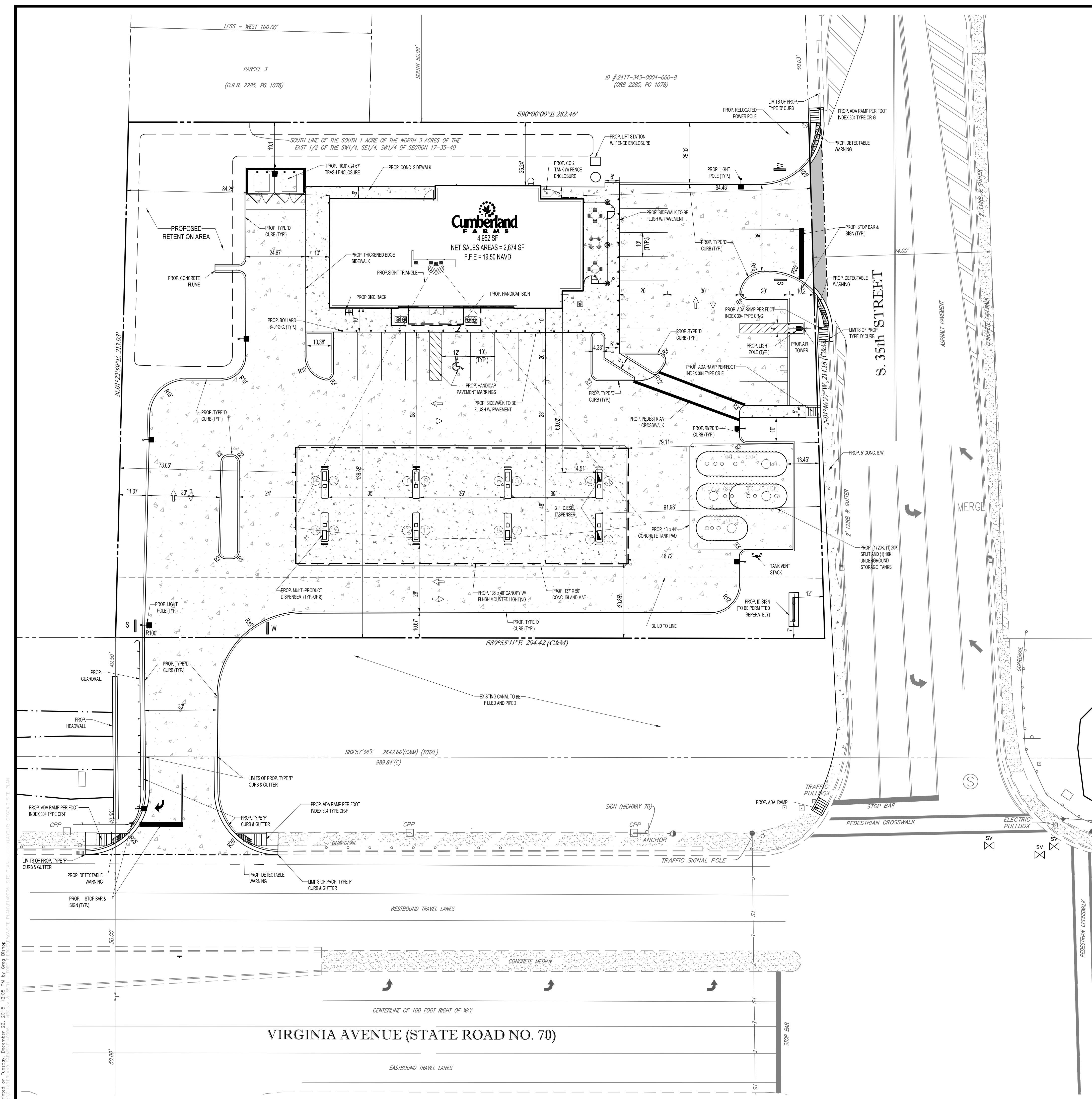
PROJECT NO.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-DEMO

2009 SOUTH 35TH STREET FORT PIERCE, FL
 FOR
Cumberland FARMS
 FORT PIERCE, FLORIDA

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

CLAUDINE ALEXANDER
 PROFESSIONAL ENGINEER
 December 22, 2015
 FLORIDA LICENSE NO. 63882
 FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

SHEET TITLE:
DEMOLITION PLAN
 SHEET NUMBER:
CFG03.0



DISTRICT REQUIREMENTS & GENERAL NOTES

APPLICANT/OWNER: CUMBERLAND FARMS, INC.
 100 CROSSING BLVD.
 FRAMINGHAM, MA. 01702

PCN: 2417-343-0005-000-5

FEMA FLOOD ZONE: ZONE X PER FLOOD PANEL 1211C-0186-J, DATED FEB. 6, 2012

LAND USE INFORMATION:
 CURRENT USE: VACANT
 PROPOSED USE: COMMERCIAL (CONVENIENCE STORE W/FUEL PUMPS)
 FUTURE LAND USE DESIGNATION: COMMERCIAL
 ZONING DESIGNATION: C3 - GENERAL COMMERCIAL

DEVELOPMENT STANDARDS:	REQUIRED	PROPOSED
MIN. LOT AREA (S.F.):	10,000	61,716
MIN. LOT FRONTAGE (FEET):	50	294.42
MIN. LOT DEPTH (FEET):	90	213.93
MIN. SET BACKS:		
FRONT - SOUTH (FEET):	25	30.85 (CANOPY)
SIDE - WEST (FEET):	0	73.05 (CANOPY)
SIDE - EAST (FEET):	15	79.11 (CANOPY)
REAR - NORTH (FEET):	0	26.24 (BUILDING)
MAX. HEIGHT (FEET):	65'	33'-4"
MAX. FAR (RATIO):	0.60	0.08
MIN. PERVIOUS AREA (%):	25	27.6
MIN. OPEN SPACE (RATIO):	25	57.6

SITE AREA:	EXISTING			PROPOSED			CHANGE		
	S.F.	ACRES	%	S.F.	ACRES	%	S.F.	ACRES	%
IMPERVIOUS:									
BUILDING	0	0	0%	4,952	0.11	8.0%	(+),4,952	(+),0.11	
PAVEMENT	0	0	0%	35,022	0.80	56.7%	(+),35,022	(+),0.80	
SIDEWALK/CURB	0	0	0%	4,929	0.11	8.0%	(+),4,929	(+),0.11	
TOTAL	0	0	0%	44,903	1.02	72.8%	(+),44,903	(+),1.02	
PERVIOUS:	61,716	1.42	100.0%	16,813	0.39	27.2%	(-),44,903	(-),1.03	
TOTAL	61,716	1.42	100.0%	61,716	1.42	100.0%	0	0	

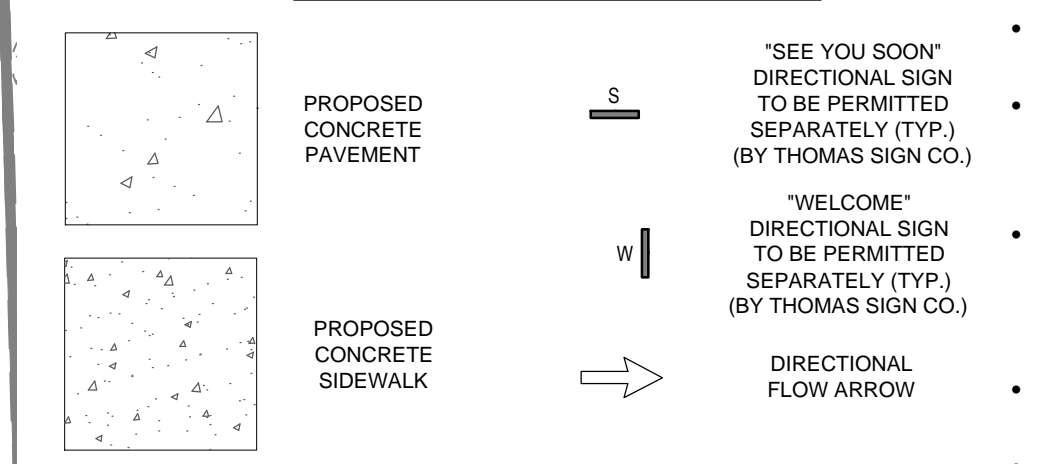
PARKING DATA REQUIRED:	USE	AREA	RATIO	AMOUNT	
				1 SPACE/	250 S.F.
CONVENIENCE STORE (RETAIL)	4,952 S.F.	1 SPACE/ 250 S.F.		20	SPACES

PROVIDED:	SPACES	PERCENT
STANDARD SPACES (MIN. 9.5' X 19')	20 (10' X 20')	95.0%
ACCESSIBLE SPACES (MIN. 12' X 19')	1 (12' X 20')	5.0%
TOTAL SPACES	21	100.0%

LOADING ZONE:
 REQUIRED:
 GROSS FLOOR AREA UNDER 10,000 S.F. - NONE REQUIRED

BICYCLE PARKING:
 REQUIRED: 1 SPACE PER 10 MOTOR VEHICLE SPACES; 2 MINIMUM - 3 REQUIRED
 PROVIDED: 3 SPACES

HATCH LEGEND / KEY



NOTES

- BASE INFORMATION FOR THIS PROJECT WAS OBTAINED FROM A SURVEY PREPARED BY BLOOMSTER PROFESSIONAL SURVEYORS, INC. DATED 08/11/15
- HAZARDOUS WASTE DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
- ALL FEES ARE CALCULATED AT TIME OF PAYMENT. THIS INCLUDES ANY ADMINISTRATIVE REVIEW FEES FOR CITY DEPARTMENTS. NO FEES ARE VESTED BASED ON DATE OF CITY COUNCIL APPROVAL.
- NO TREES OR OTHER INVASIVE ROOT PLANTING SHALL BE LOCATED WITHIN 10 FEET OF A CITY UTILITY MAIN. ALL OTHER UTILITIES SHALL BE A MINIMUM 5 FEET HORIZONTAL SEPARATION FROM CITY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM OF 18" BELOW CITY UTILITY MAINS (ALL MEASURE ARE FROM THE OUTSIDE TO OUTSIDE) TO THE BEST OF OUR KNOWLEDGE. THE SITE PLAN COMPLES WITH THE CITY OF FORT PIERCE CODE OF ORDINANCE, CHAPTER 17 AND CHAPTER 22.
- ALL UTILITIES SHALL BE INSTALLED UNDERGROUND.

THOMAS ENGINEERING GROUP
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1000 CORPORATE DR.
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 125 W. INDIANTOWN RD.
 JUPITER, FL 33468
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REVISIONS			
REV.	DATE	COMMENT	BY

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PROJECT No.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-SITE PLAN

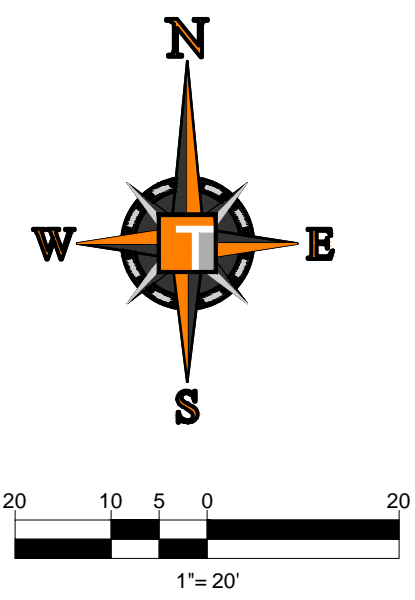
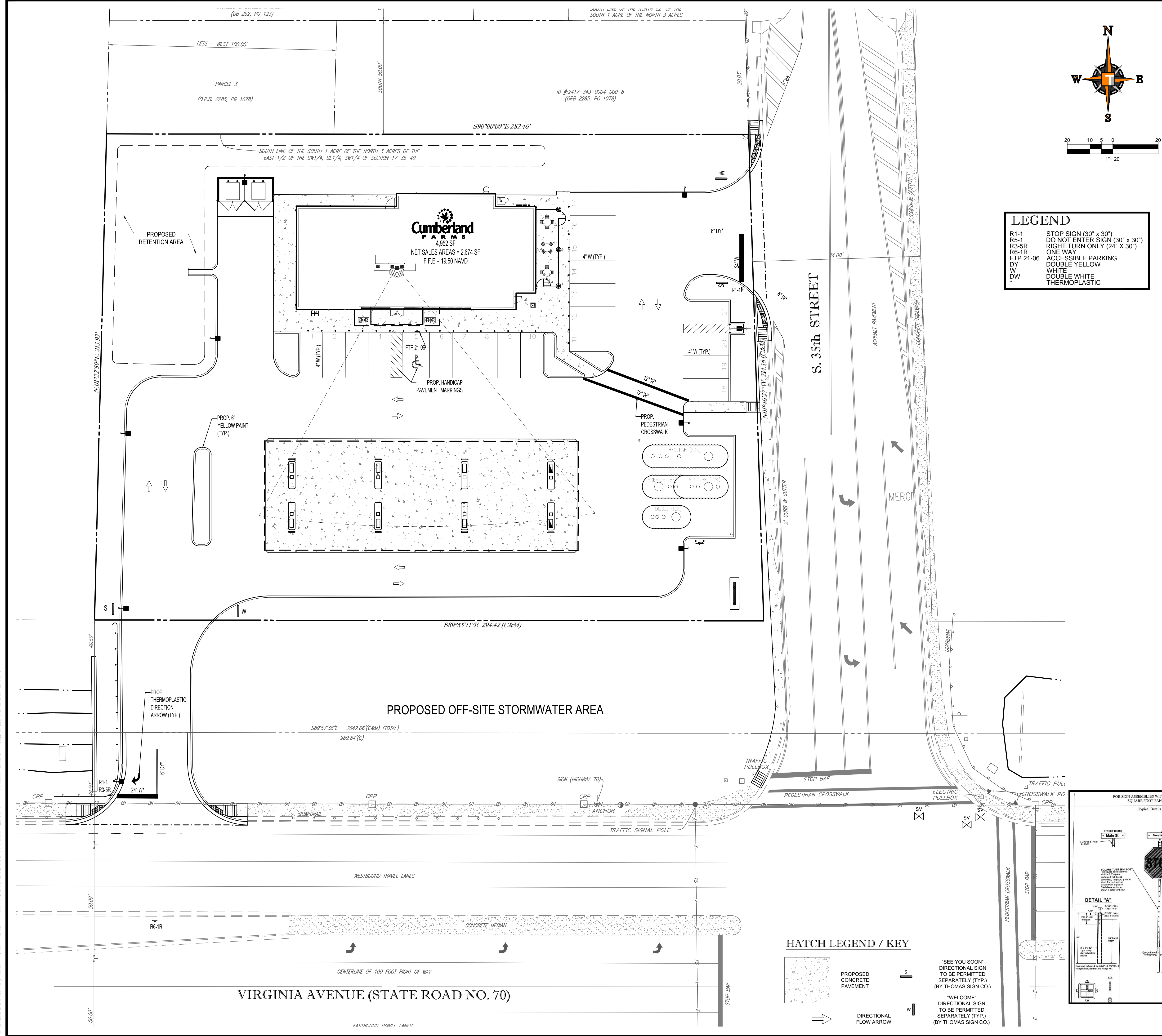
PROJECT:
**2009 SOUTH 35TH STREET
 FORT PIERCE, FL**
 FOR
Cumberland FARMS
 FORT PIERCE, FLORIDA

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

CLAUDINE ALEXANDER
 PROFESSIONAL ENGINEER
 December 22, 2015
 FLORIDA LICENSE NO. 53822
 FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

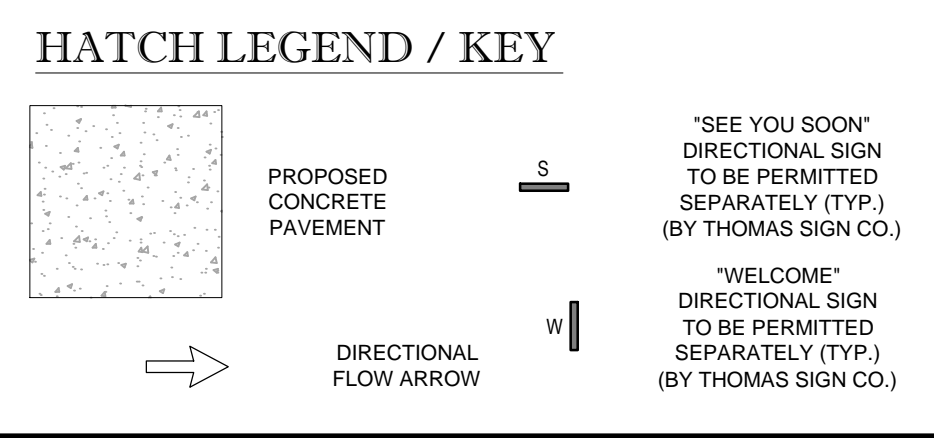
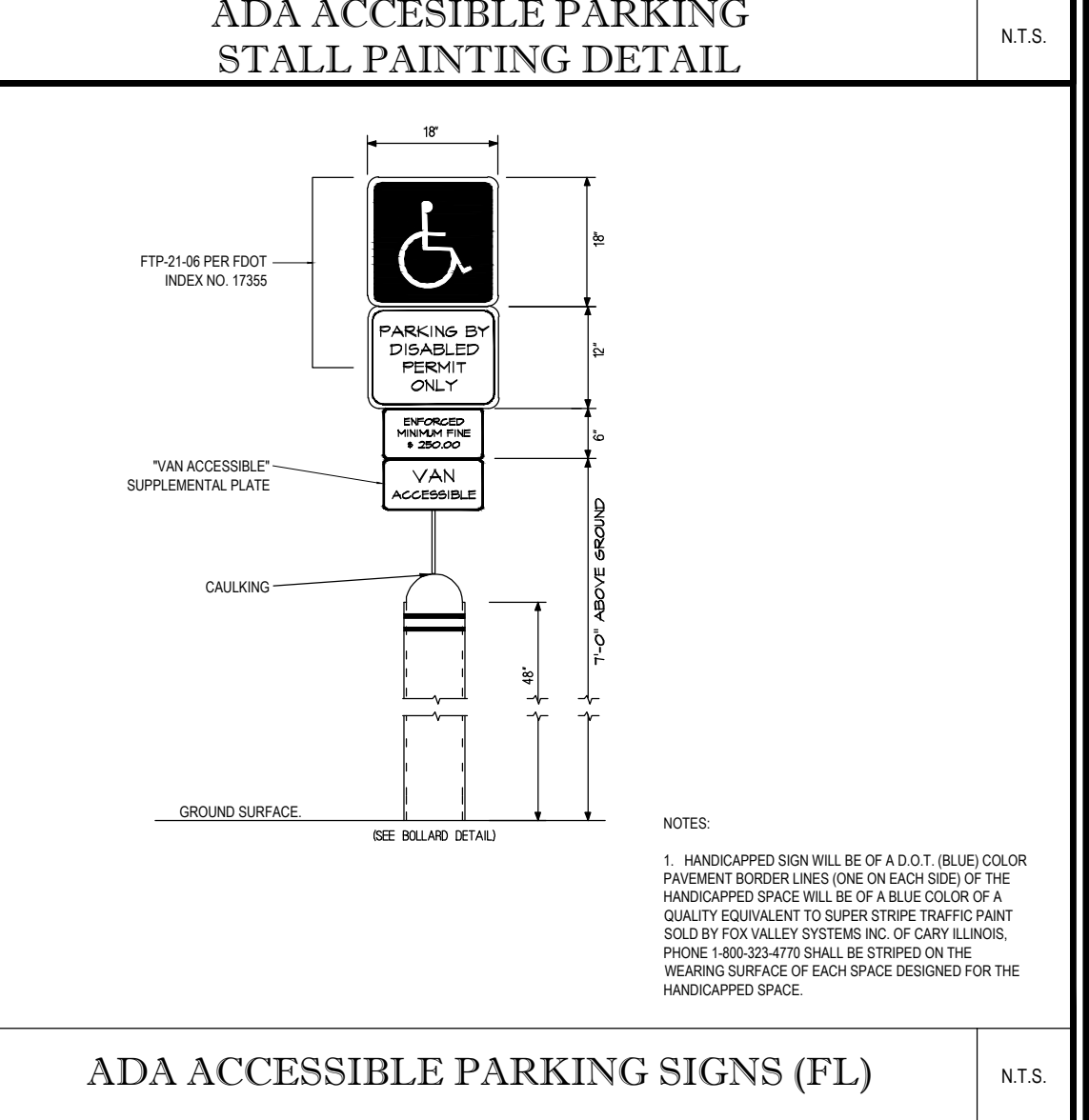
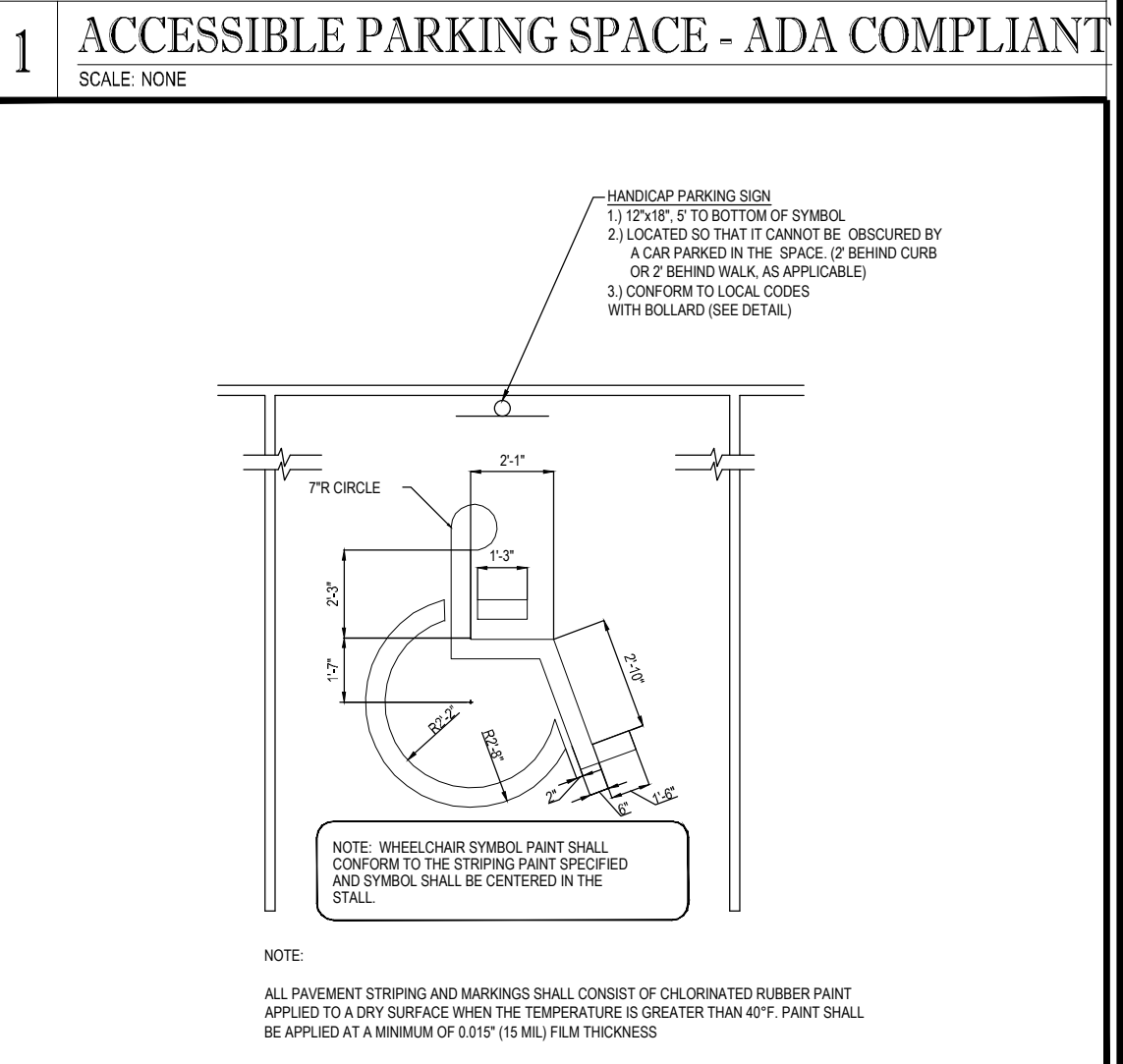
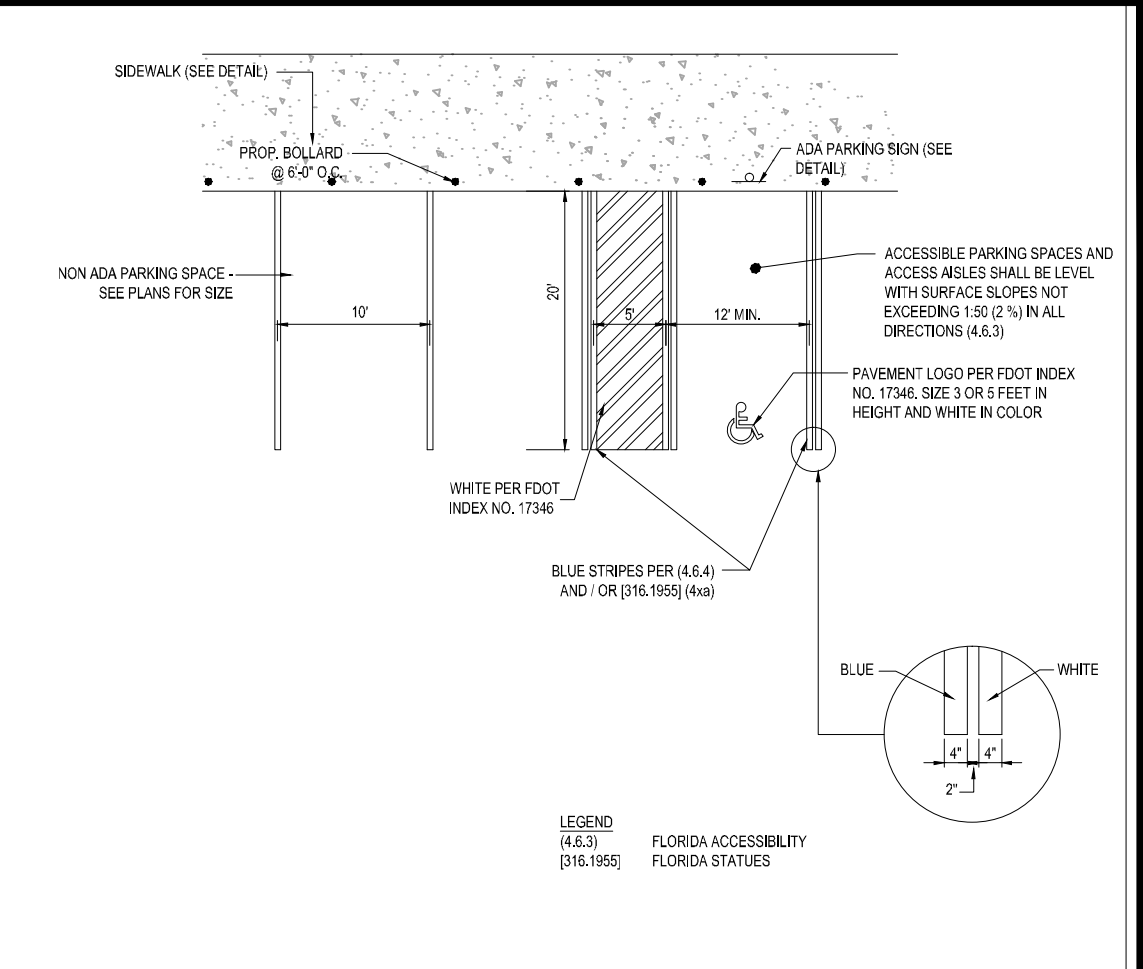
SHEET TITLE:
SITE PLAN
 SHEET NUMBER:
CFG04.0

Printed on Tuesday, December 22, 2015, 12:05 PM by Greg Blain



LEGEND

R1-1	STOP SIGN (30" x 30")
R5-1	DO NOT ENTER SIGN (30" x 30")
R3-5R	RIGHT TURN ONLY (24" x 30")
R6-1R	ONE WAY
FTP 21-06	ACCESSIBLE PARKING
DY	DOUBLE YELLOW
W	WHITE
DW	DOUBLE WHITE
*	THERMOPLASTIC



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JUPITER, FL 33458
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REV.	DATE	REVISION	BY

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PROJECT: 2009 SOUTH 35TH STREET FORT PIERCE, FL

FOR: Cumberland Farms

PROJECT No.: F140006

DRAWN BY: JFV

CHECKED BY: MAT

DATE: 12-22-15

CAD I.D.: F140006-PMS PLAN

THOMAS ENGINEERING GROUP

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CLAUDINE ALEXANDER

PROFESSIONAL ENGINEER
December 22, 2015
FLORIDA LICENSE NO. 53822
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

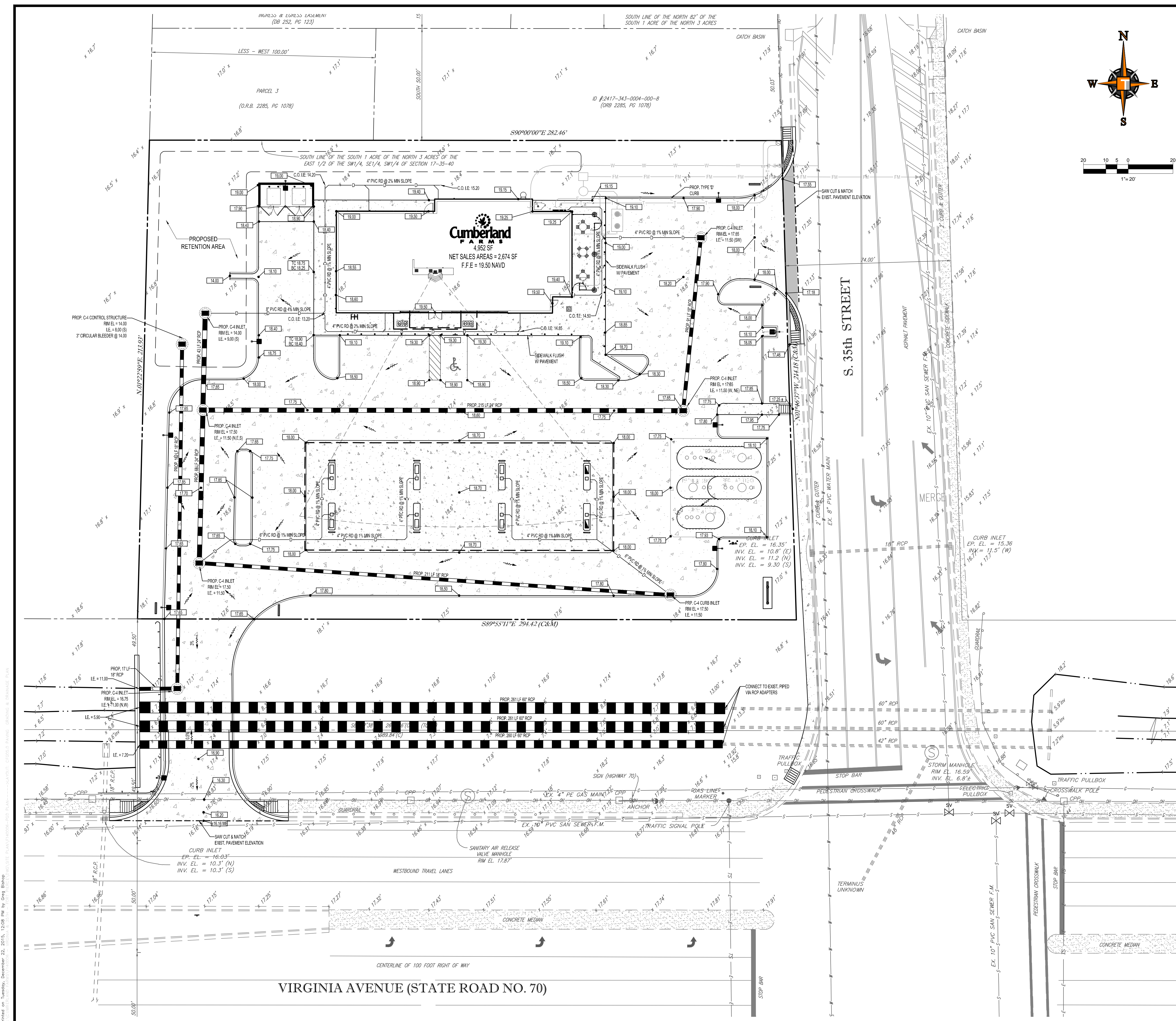
PAVEMENT MARKING & SIGNAGE PLAN

SHEET TITLE:

SHEET NUMBER:

CFG04.1

Printed on: Tuesday, December 22, 2015, 12:06 PM by: Greg Blain
 C:\PROJECTS\2015\2009 SOUTH 35TH STREET FORT PIERCE, FL\DRAWINGS\CFG04.1.PAVEMENT MARKING & SIGNAGE PLAN



PAVING, GRADING & DRAINAGE LEGEND

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
— S —	SANITARY SEWER LATERAL	— S —
— W —	UNDERGROUND WATER LINE	— W —
— E —	UNDERGROUND ELECTRIC LINE	— E —
— OH —	OVERHEAD WIRE	— OH —
— T —	UNDERGROUND TELEPHONE LINE	— T —
— SS —	STORM SEWER	— SS —
— S —	SANITARY SEWER MAIN	— S —
— H —	HYDRANT	— H —
— S —	SANITARY MANHOLE	— S —
— M —	WATER METER	— M —
— BV —	BACK FLOW VALVES	— BV —
— CO —	CLEAN OUT	— CO —
— CB —	CATCH BASIN	— CB —
— MH —	MANHOLE	— MH —
— GS —	GRADE SPOT SHOT	— GS —
— BT —	TOP OF CURB BOTTOM OF CURB	— BT —
— ME —	MATCH EXISTING	— ME —
— FA —	FLOW ARROW	— FA —

CONSTRUCTION NOTES:

- CONTRACTOR TO SAW-CUT AT ALL LOCATIONS OF REMOVAL OF EXISTING CONC. SIDEWALK, CONC. CURB AND ASPHALT UNLESS OTHERWISE NOTED. ALL BASE AND SUBBASE MATERIAL SHALL BE REMOVED WITHIN THE PROPOSED LANDSCAPED AREA.
- CONTRACTOR TO MATCH EXIST. GRADES AND TO CONSTRUCT A SMOOTH TRANSITION FROM EXISTING FACILITIES TO PROPOSED.
- CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE AND DISPOSE PER LOCAL ORDINANCES.
- CONTRACTOR TO ENSURE ALL CONSTRUCTION IS IN ACCORDANCE WITH CITY DESIGN STANDARDS.
- CONTRACTOR TO SOD ALL DISTURBED AREAS. SODDING INCLUDES MAINTAINING SLOPE AND SOO UNTIL COMPLETION AND ACCEPTANCE OF THE TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST.
- ALL EXISTING TRAFFIC SIGNS DISTURBED DURING CONSTRUCTION SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
- THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT THAT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OF THESE STANDARDS OR THE PROGRESSION OF THE WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED AREA.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES DUE TO HIS/HER CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- NOTIFY SUNSHINE STATE ONE CALL (1-800-432-4770) OR (811) PRIOR TO CONSTRUCTION.
- PROJECT BASED ON DESIGN SURVEY PREPARED BY OTHERS.
- THE CONTRACTOR SHALL NOT ENCRUCH ONTO PRIVATE PROPERTY WITHOUT EASEMENTS NECESSARY FOR COMPLETION OF THE WORK.
- THE EXISTING UNDERGROUND UTILITIES SHOWN ARE PER ABOVE GROUND SURVEY DATA AND UTILITY AS-BUILT DATA. THIS INFORMATION DOES NOT WARRANT EXACT SIZE AND LOCATION OF THE UTILITIES. ALSO, THERE MAY BE ADDITIONAL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION THAT MAY BE AFFECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING EXISTING UTILITIES DURING THE COURSE OF CONSTRUCTION.
- PLEASE SEE MEP PLANS FOR CONTINUATION OF ROOF LEADERS.
- 2.0% MAXIMUM SLOPE ON HANDICAP SPACES AND ADA ACCESSWAYS.
- ALL SIDEWALKS SHOULD HAVE A MAXIMUM CROSS SLOPE OF 2.0%.
- EXISTING COVER MUST BE MAINTAINED ON ALL WATER AND SANITARY LINES.
- EXISTING SEWER MUST REMAIN FREE FROM CONSTRUCTION DEBRIS AND FLOW MUST BE MAINTAINED.
- NO STRUCTURES SHALL BE ALLOWED IN UTILITY EASEMENT.
- SIZE, GRADES, AND LOCATION FOR DRIVEWAY CULVERTS SHALL BE DETERMINED BY THE ENGINEERING DEPT.
- ALL UNSTABLE MATERIALS SUCH AS MUCK, PEAT, PLASTIC CLAYS, AND/OR MARLS SHALL BE REMOVED FROM ROADBED AREAS. THE AREA SHALL THEN BE BACKFILLED ACCORDING TO THE GEOTECH REPORT.
- ALL PVC ROOF LEADERS SHALL BE SCHEDULE 40.
- ALL ON-SITE STORM PIPING SHALL BE RCP.

ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), ST. LUCIE COUNTY BENCHMARK: REFERENCE: VIR 3-22 HARRY; (ELEVATION: 15.843)

HATCH LEGEND / KEY

	PROPOSED CONCRETE PAVEMENT		"SEE YOU SOON" DIRECTIONAL SIGN TO BE PERMITTED SEPARATELY (TYP.) (BY THOMAS SIGN CO.)
	CONCRETE MEDIAN		"WELCOME" DIRECTIONAL SIGN TO BE PERMITTED SEPARATELY (TYP.) (BY THOMAS SIGN CO.)

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REV.	DATE	COMMENT	BY

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PROJECT NO.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-PGD.FIN

PROJECT:

**2009 SOUTH 35TH STREET
FORT PIERCE, FL**

FOR

Cumberland FARMs

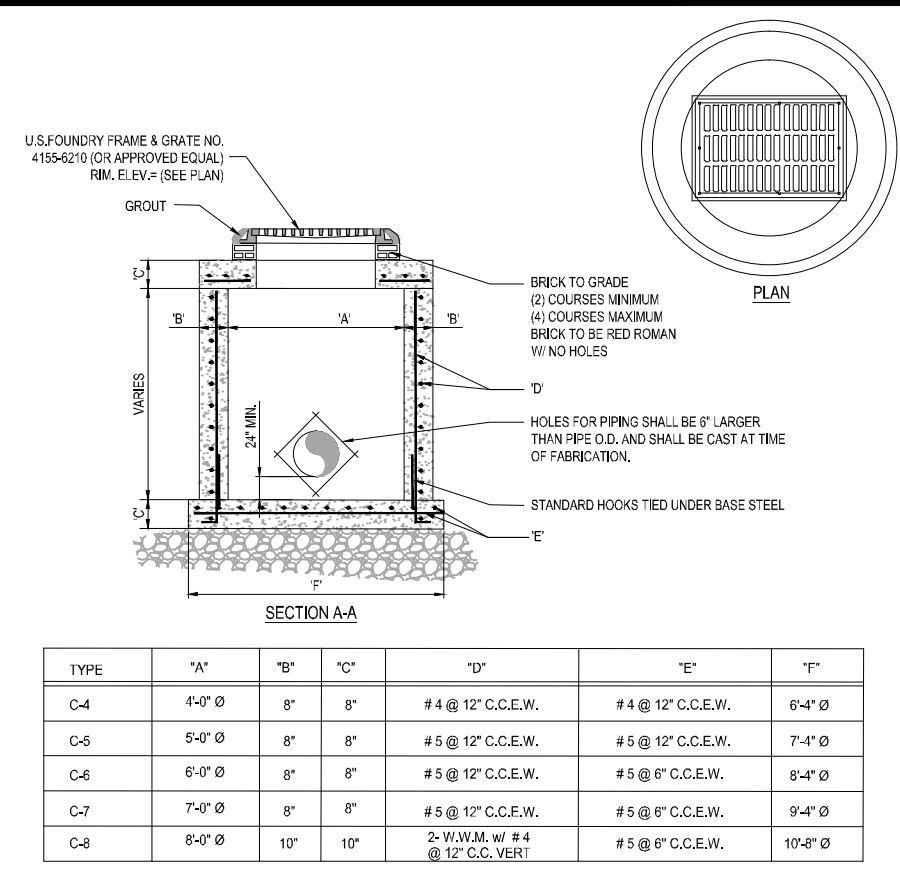
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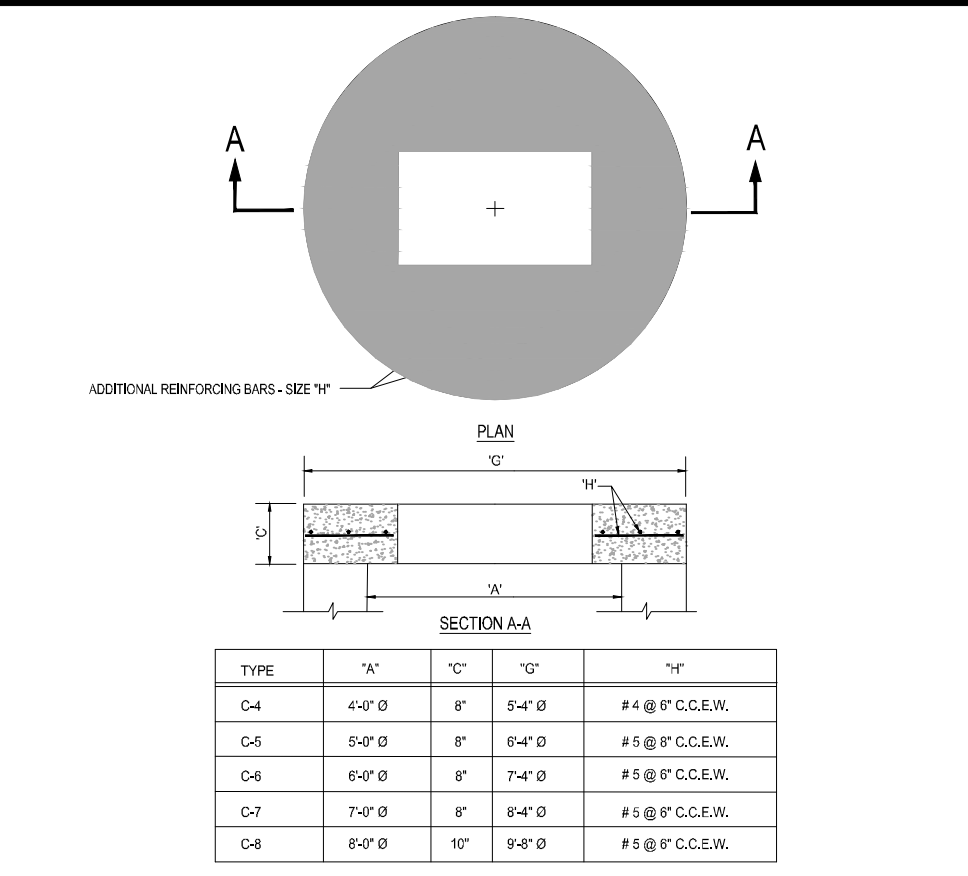
PROFESSIONAL ENGINEER
December 22, 2015
FLORIDA LICENSE NO. 53822
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

SHEET TITLE:
PAVING, GRADING & DRAINAGE PLAN

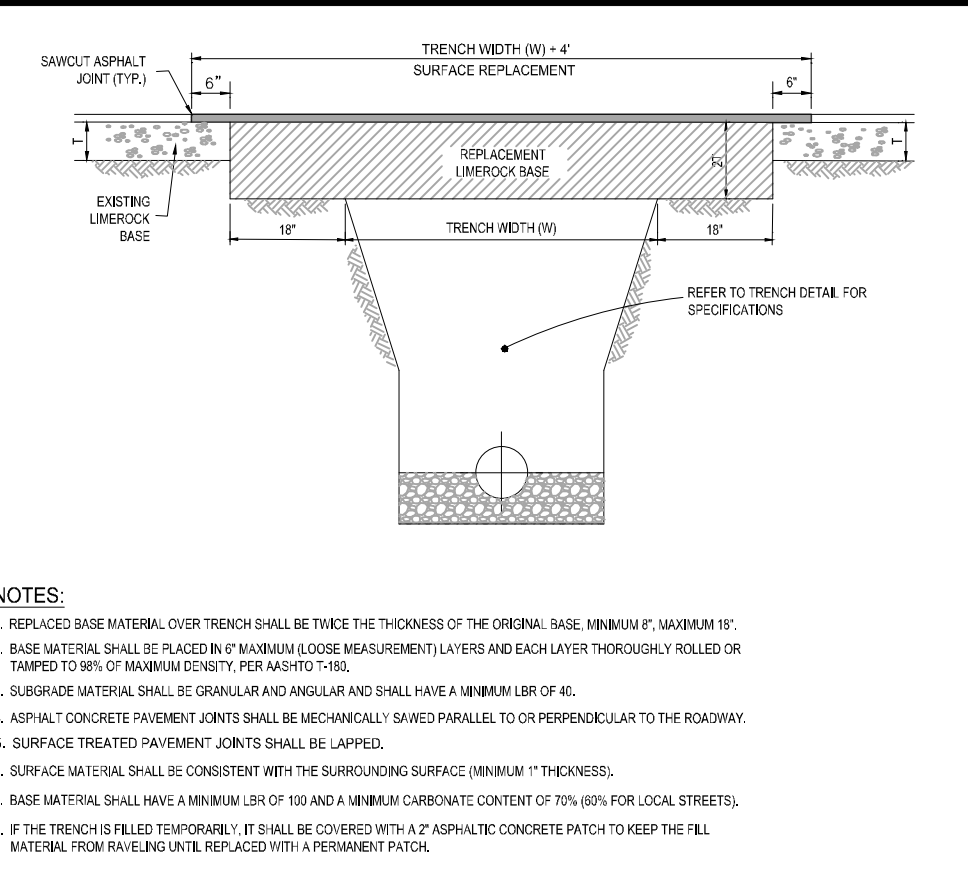
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CFG05.0



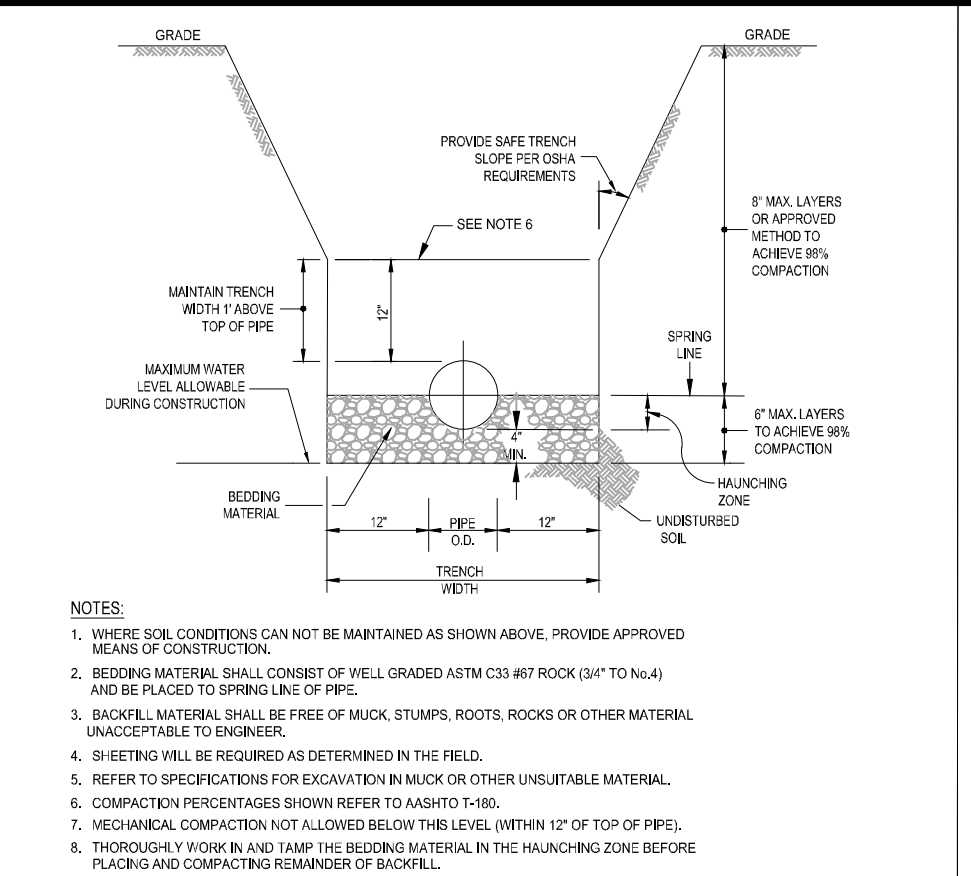
TYPE	W	T	10"	12"
C-4	6'-0"	8"	#4 @ 12" C.C.E.W.	#4 @ 12" C.C.E.W.
C-5	6'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-6	6'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-7	7'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-8	6'-0"	10"	2" MIN. W 4 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.



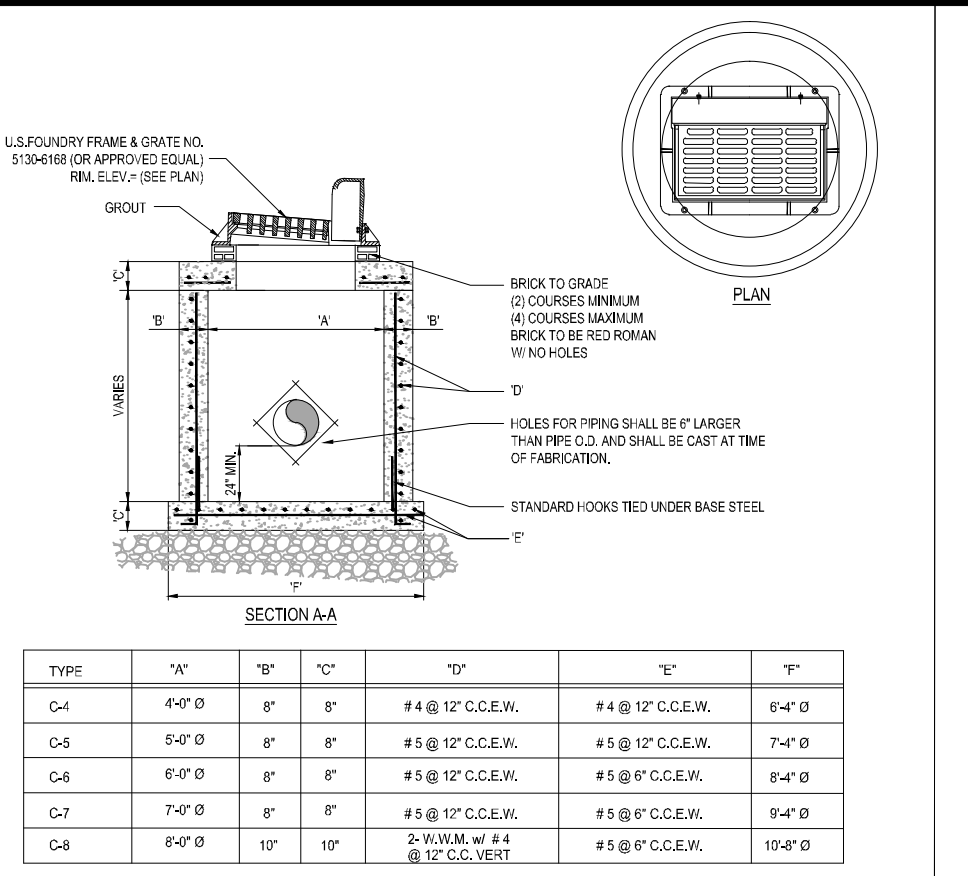
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C-5	5'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-6	6'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-7	7'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-8	6'-0"	10"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.



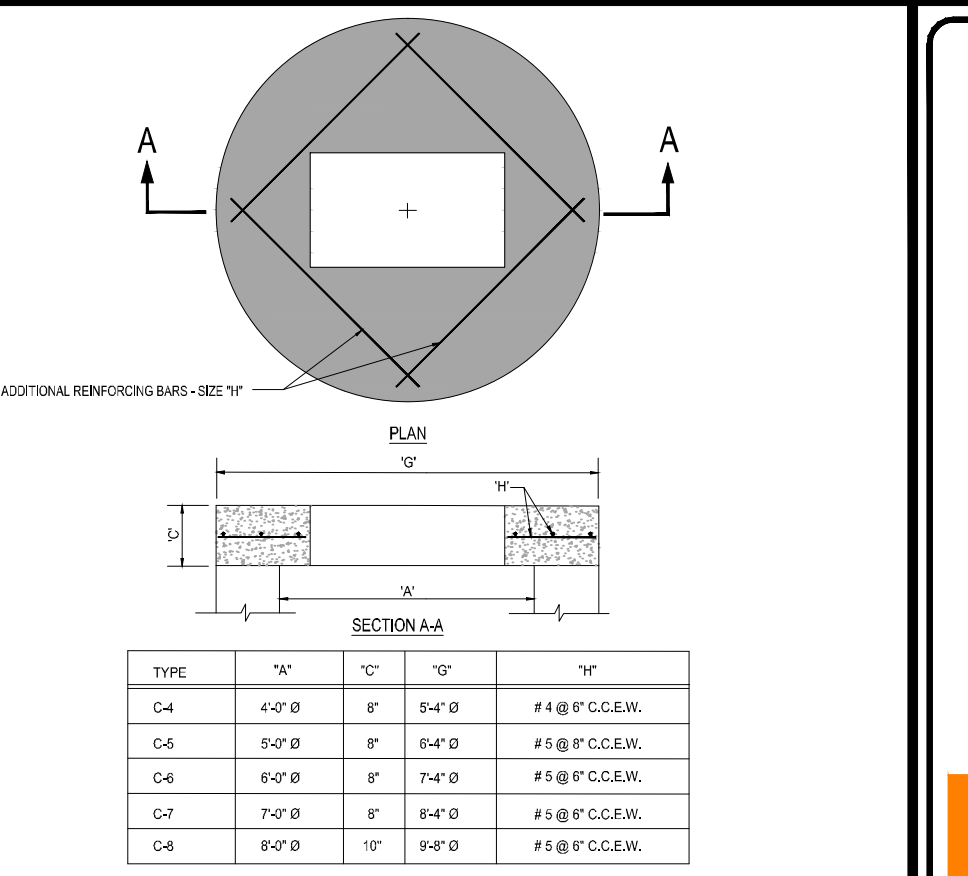
- NOTES:
1. REPLACED BASE MATERIAL OVER TRENCH SHALL BE THICKNESS OF THE ORIGINAL BASE, MINIMUM 6" MINIMUM 10" MINIMUM 12"
 2. BASE MATERIAL SHALL BE PLACED IN MINIMUM LOOSE MEASUREMENT LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 95% OF NOMINAL DENSITY FOR ASPHALT PAVEMENT.
 3. SURFACE MATERIAL SHALL BE GRANULAR AND ANGULAR AND SHALL HAVE A MINIMUM UTM OF 45.
 4. ASPHALT CONCRETE PAVEMENT SHALL BE MECHANICALLY STAMPED PARALLEL TO OR PERPENDICULAR TO THE ROADWAY.
 5. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED.
 6. SURFACE MATERIAL SHALL BE CONSISTENT WITH THE SURROUNDING SURFACE (MINIMUM 1" THICKNESS).
 7. BASE MATERIAL SHALL HAVE A MINIMUM UTM OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% FOR LOCAL STREETS.
 8. IF THE TRENCH IS FILLED WITH ASPHALT, IT SHALL BE COVERED WITH A ASPHALT CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELLING OUT. REPAVED WITH ASPHALT PAVEMENT FINISH.



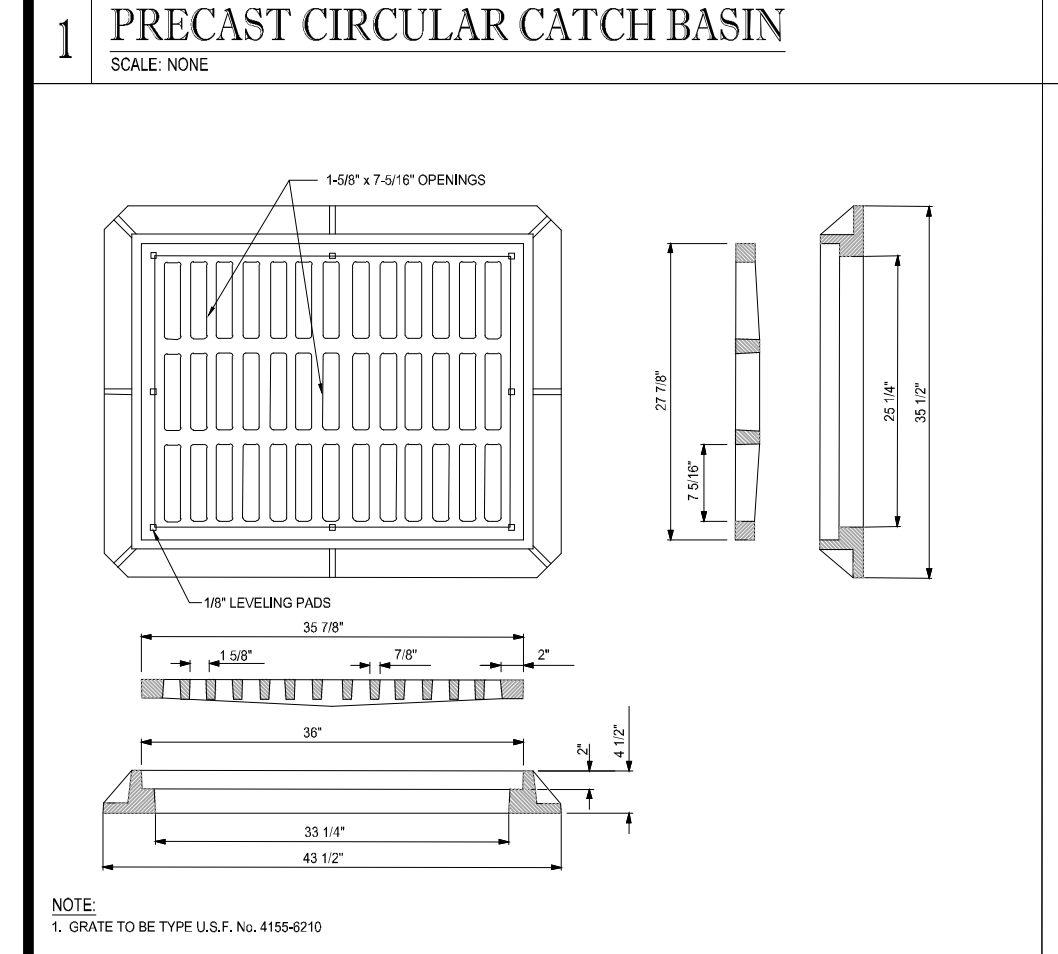
- NOTES:
1. WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
 2. SECONDARY MATERIAL SHALL CONSIST OF WELL GRADED ASTM C33 407 ROCK (4" TO 1 1/2") AND BE PLACED TO SPRING LINE OF PIPE.
 3. BACKFILL MATERIAL SHALL BE FREE OF ROCK, STUMPS, ROOTS, ROCKS OR OTHER MATERIAL UNACCEPTABLE TO ENGINEER.
 4. SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.
 5. REFER TO SPECIFICATIONS FOR EXCAVATION BACKFILL OR OTHER UNSATURABLE MATERIAL.
 6. COMPACTION PERCENTAGES SHOWN REFER TO ASTM D 1557.
 7. VIBRATORY COMPACTION NOT ALLOWED BELOW THIS LEVEL, WITHIN 12" OF TOP OF PIPE.
 8. THOROUGHLY WORK IN AND TAMP THE SECONDARY MATERIAL IN THE HAUNCHING ZONE BEFORE FLOORING AND COMPACTING REMAINDER OF BACKFILL.



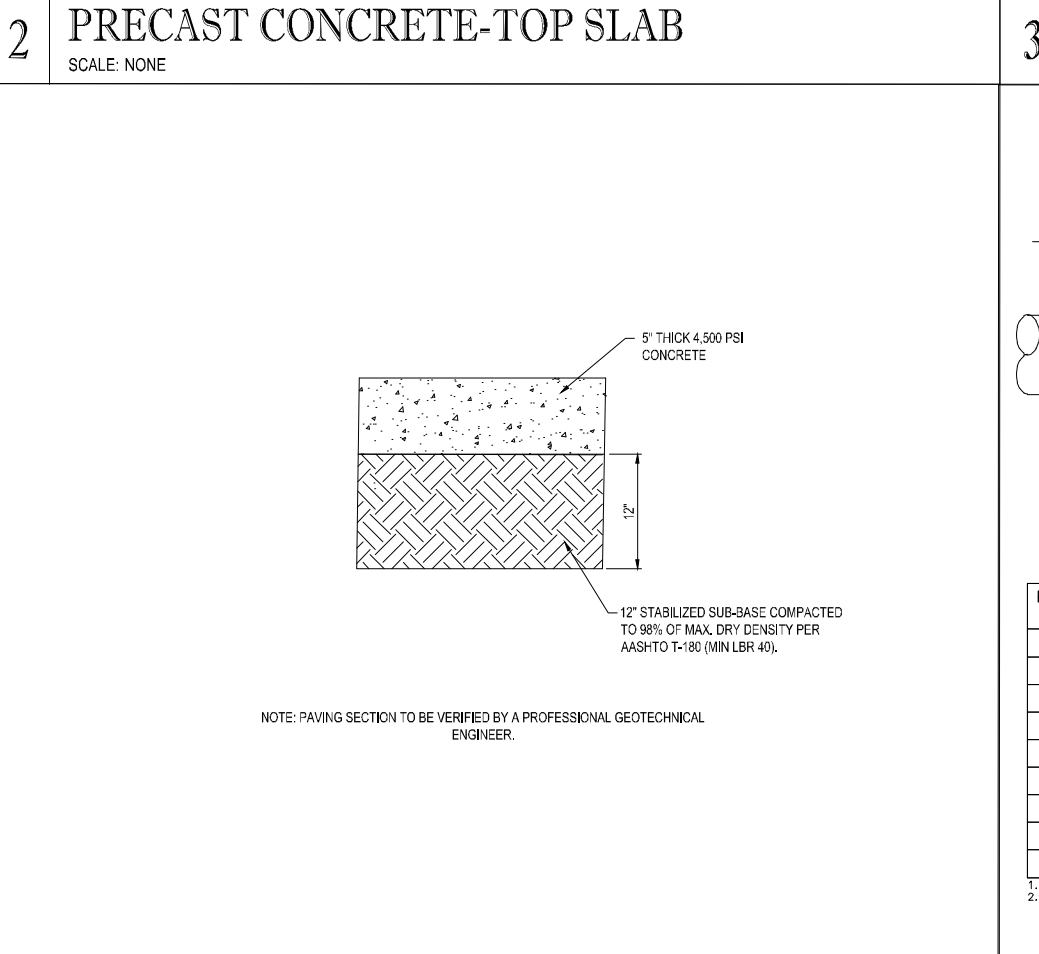
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C-6	6'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-7	7'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-8	6'-0"	10"	2" MIN. W 4 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.



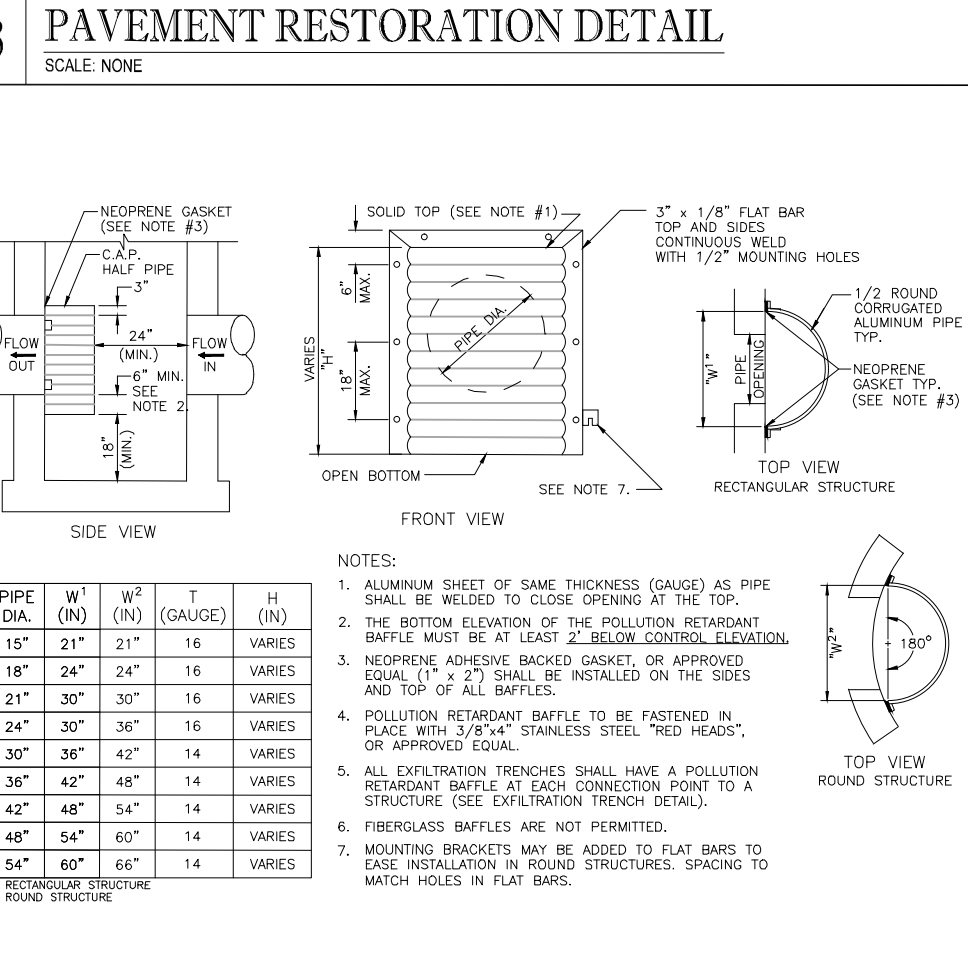
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C-6	6'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-7	7'-0"	8"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.
C-8	6'-0"	10"	#5 @ 12" C.C.E.W.	#5 @ 12" C.C.E.W.



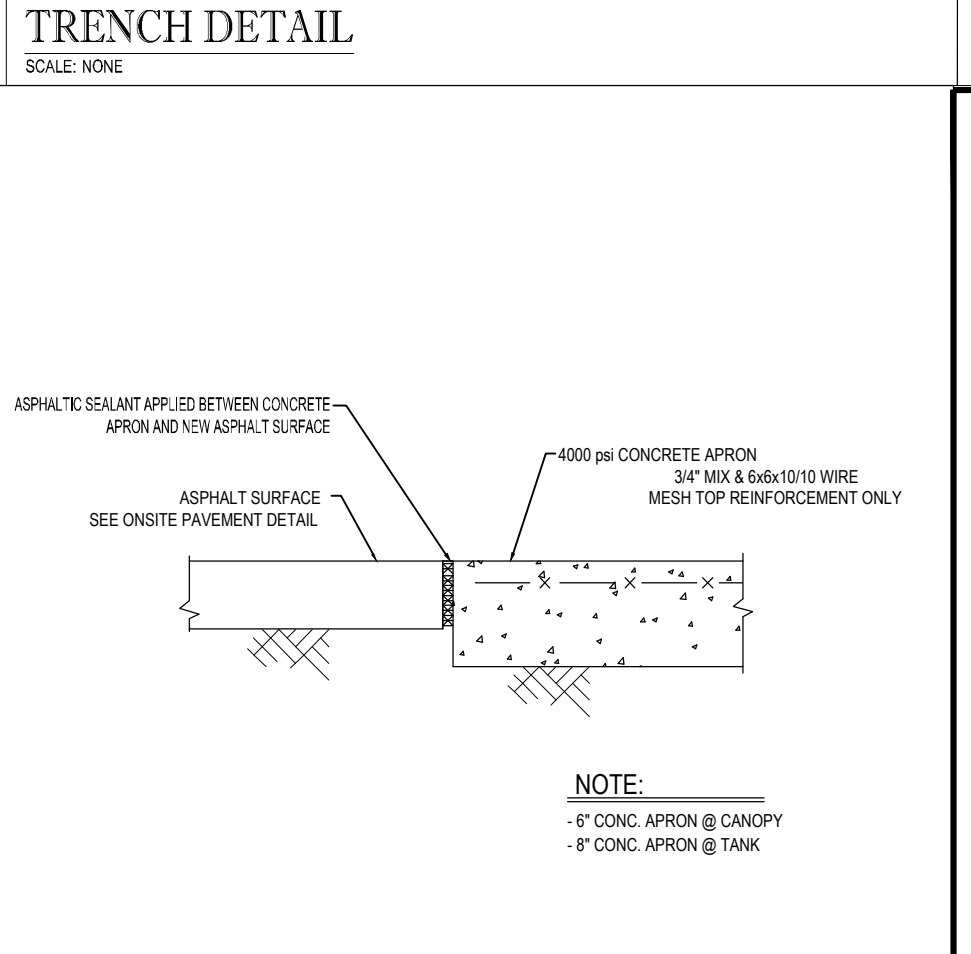
7 FRAME AND GRATE DETAIL
SCALE: NONE



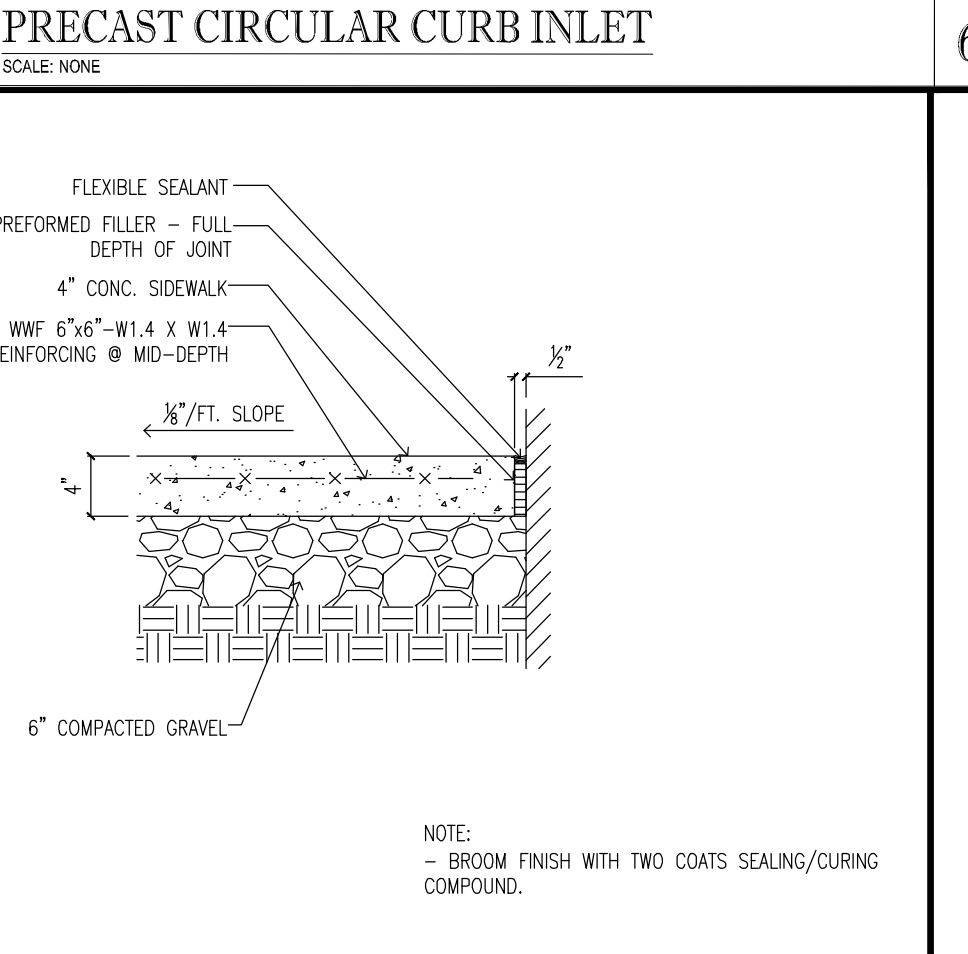
8 CONCRETE PAVEMENT SECTION
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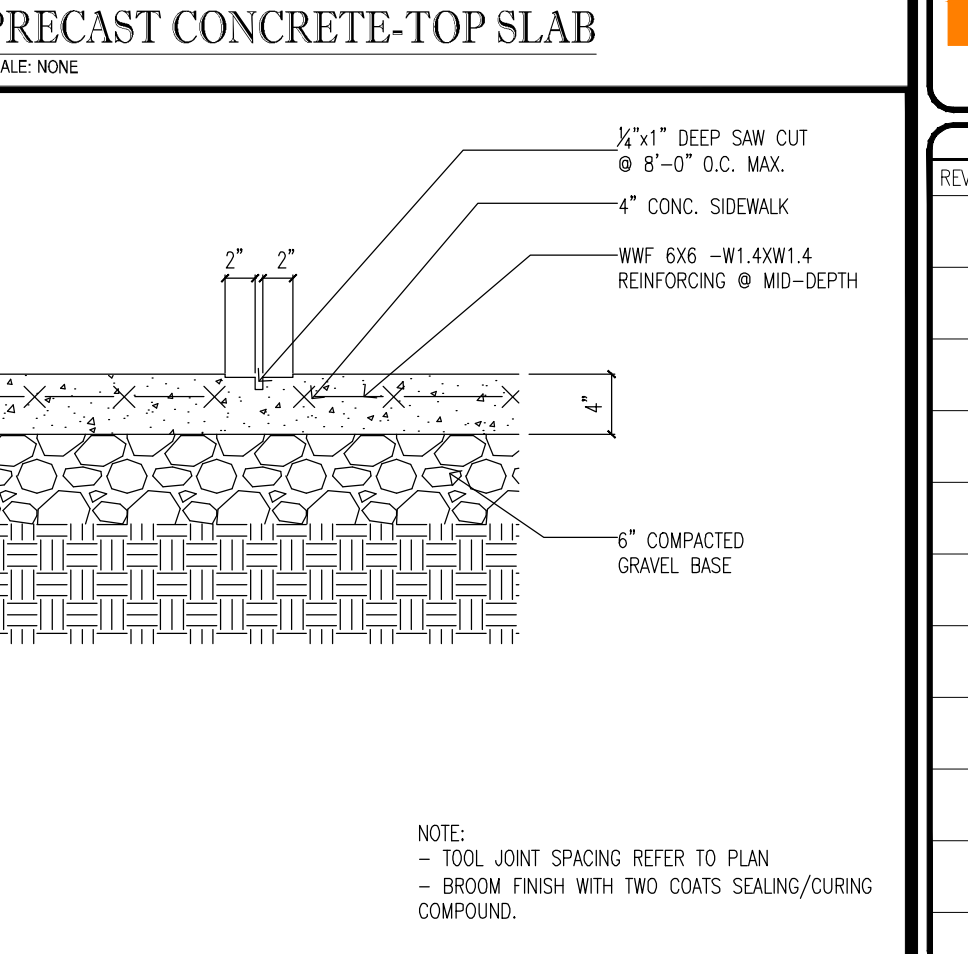
10 POLLUTION RETARDENT BAFFLE DETAIL
SCALE: NONE



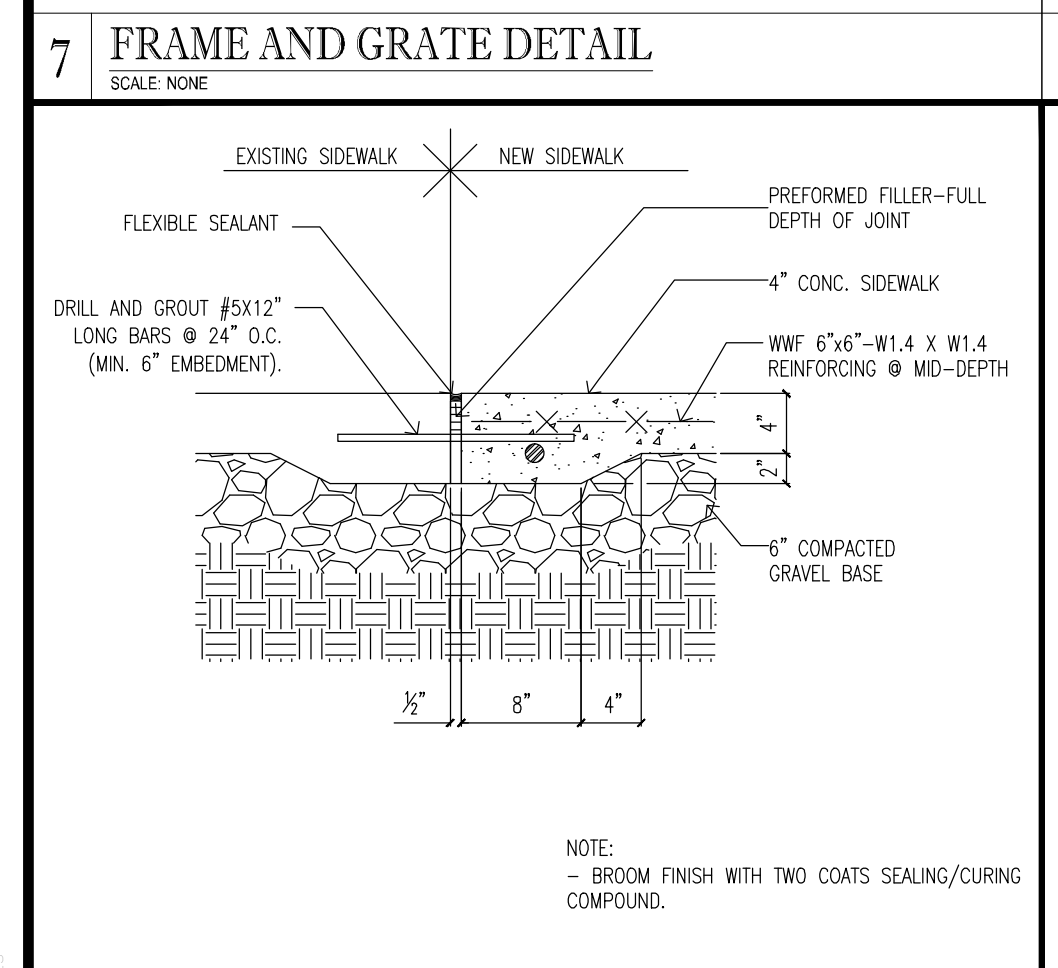
TYP. CONCRETE/ASPHALT DETAIL N.T.S.



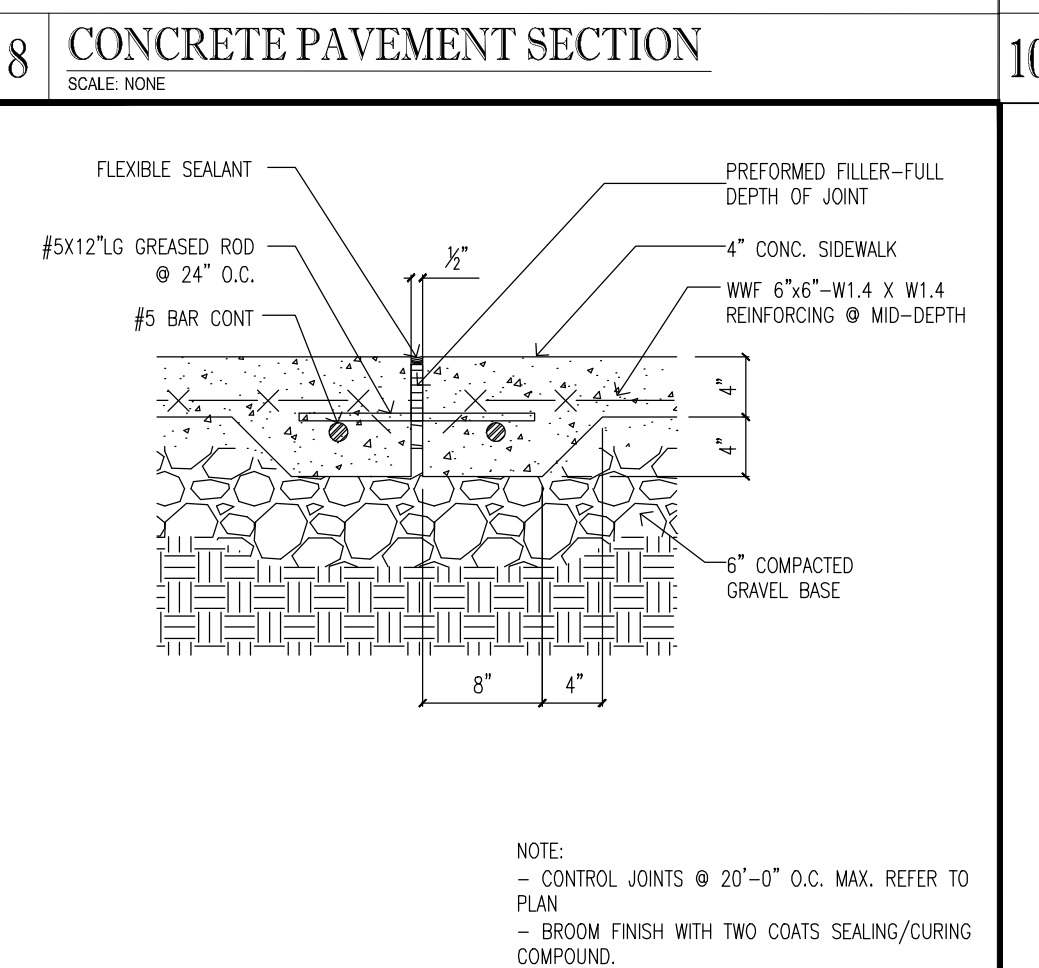
DETAIL @ SIDEWALK / BLD. WALL N.T.S.



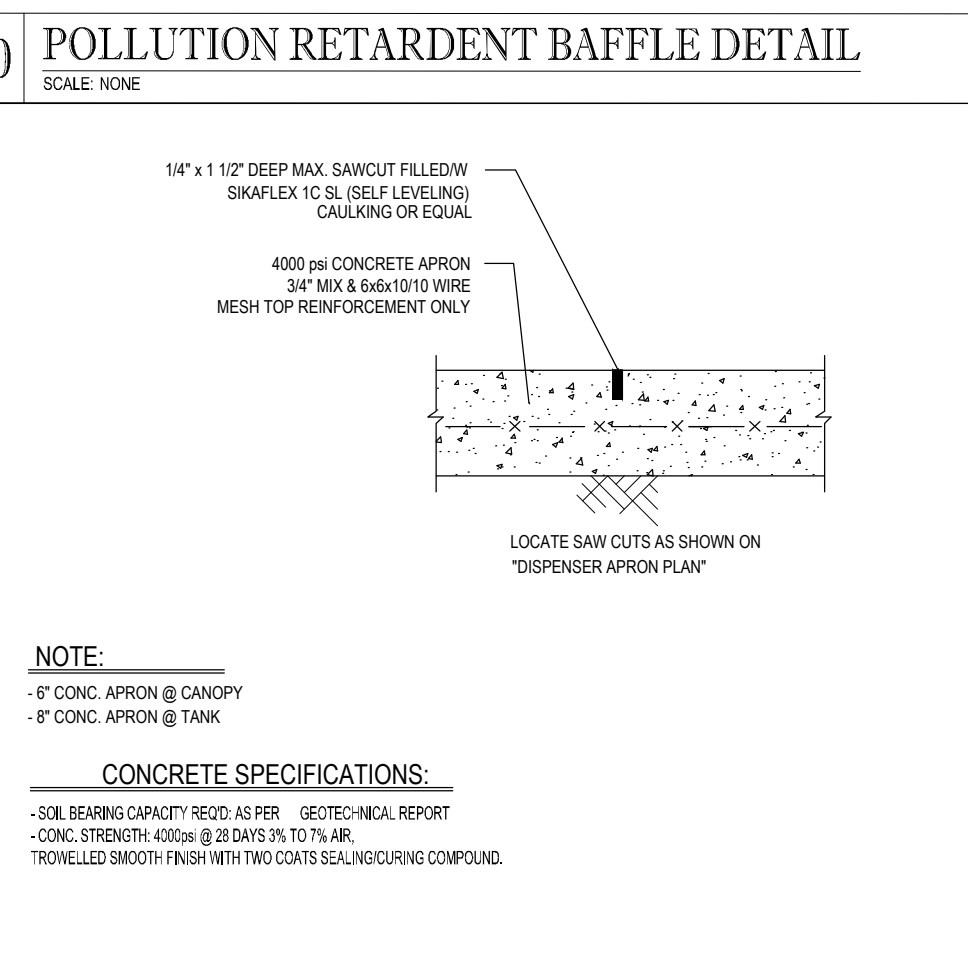
DETAIL @ SIDEWALK CONTROL JOINT N.T.S.



DETAIL @ SIDEWALK EXPANSION JOINT (NEW TO EXISTING) N.T.S.



DETAIL @ SIDEWALK EXPANSION JOINT N.T.S.



TYPICAL SAWCUT DETAIL N.T.S.

THOMAS
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REVISIONS			
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PROJECT NO.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-PGD DETAILS

PROJECT:

2009 SOUTH 35TH STREET FORT PIERCE, FL

FOR

Cumberland FARMS

FORT PIERCE, FLORIDA

THOMAS
ENGINEERING GROUP

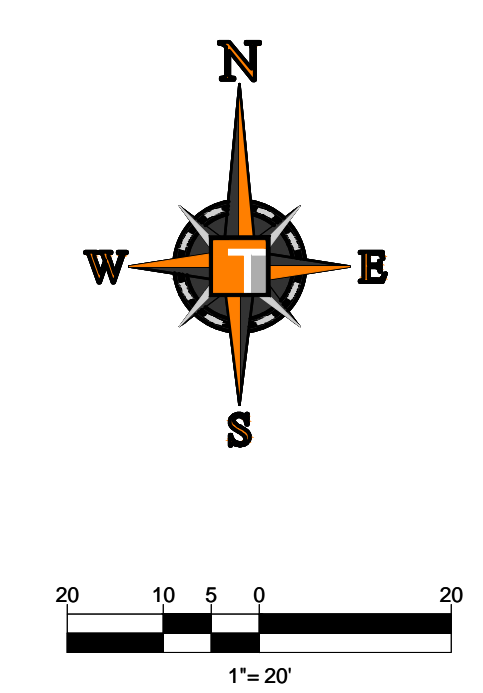
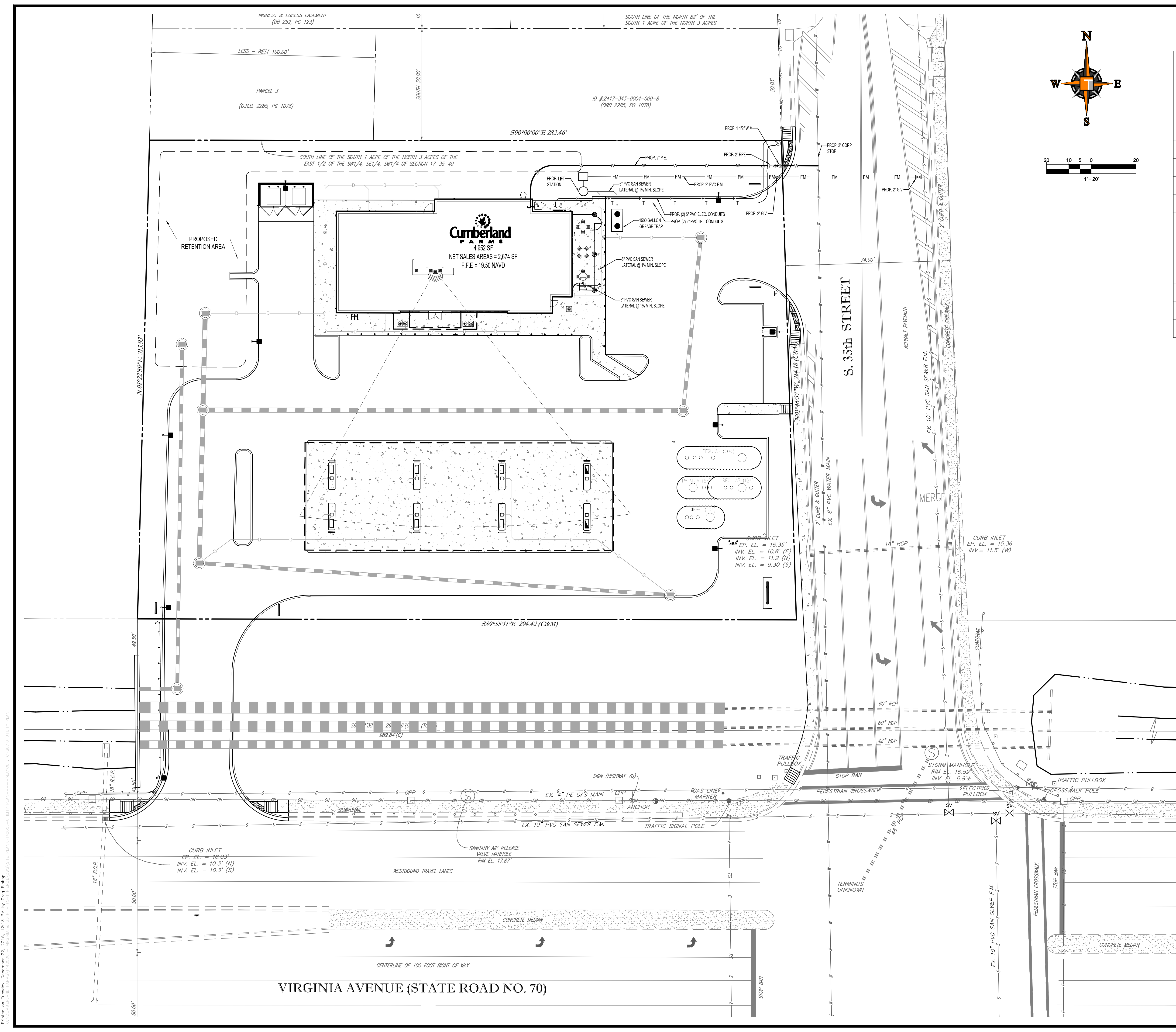
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CLAUDINE ALEXANDER

PROFESSIONAL ENGINEER
December 22, 2015
FLORIDA LICENSE NO. 53822
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

SHEET TITLE:
PAVING, GRADING & DRAINAGE DETAILS

SHEET NUMBER:
CFG05.1



UTILITY LEGEND

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
SL	SANITARY SEWER LATERAL	SL
W	UNDERGROUND WATER LINE	W
E	UNDERGROUND ELECTRIC LINE	E
OH	OVERHEAD WIRE	OH
T	UNDERGROUND TELEPHONE LINE	T
---	STORM SEWER	---
S	SANITARY SEWER MAIN	S
⊕	HYDRANT	⊕
⊙	SANITARY MANHOLE	⊙
⊞	WATER METER	⊞
—	BACK FLOW VALVES	—
—	CLEAN OUT	—
—	CATCH BASIN	—
⊙	MANHOLE	⊙

CONSTRUCTION NOTES:

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

ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). ST. LUCIE COUNTY BENCHMARK : REFERENCE VIR 3-22 HARRY; (ELEVATION: 15.843)

HATCH LEGEND / KEY

[Hatched Box]	PROPOSED CONCRETE PAVEMENT	S	"SEE YOU SOON" DIRECTIONAL SIGN TO BE PERMITTED SEPARATELY (TYP.) (BY THOMAS SIGN CO.)
[Hatched Box]	CONCRETE MEDIAN	W	"WELCOME" DIRECTIONAL SIGN TO BE PERMITTED SEPARATELY (TYP.) (BY THOMAS SIGN CO.)

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

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REVISIONS			
REV.	DATE	COMMENT	BY

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PROJECT No.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-UTILITY PLAN

**2009 SOUTH 35TH STREET
FORT PIERCE, FL**

FOR

Cumberland FARMS

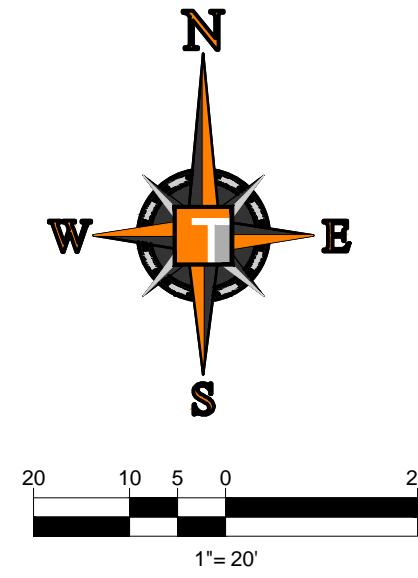
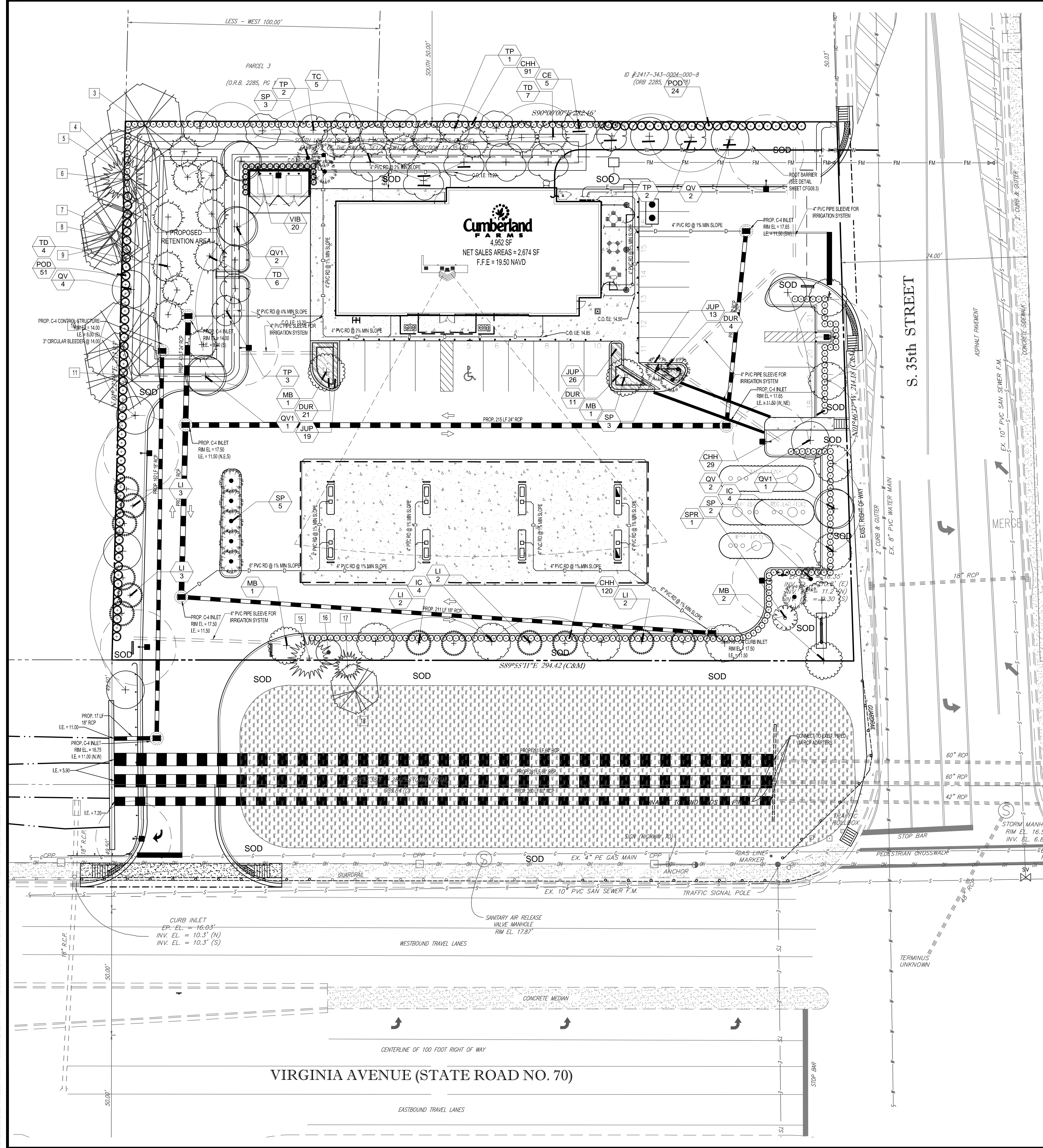
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CLAUDINE ALEXANDER
 PROFESSIONAL ENGINEER
 December 22, 2015
 FLORIDA LICENSE NO. 53822
 FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
CFG07.0



PLANT SCHEDULE

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	CALDBH	HEIGHT	SPREAD	NATIVE	XERIC	REMARKS
(+)	CE	5	Green Buttonwood	Conocarpus erectus	B & B	3.5" DBH	12' Ht	5'	Yes	High	5 CT
(+)	IC	8	East Palmetto Holly	Ilex x. attenuata	B & B	2.5" DBH	12' Ht	5'	Yes	High	5 ct
(+)	LI	12	Crape Myrtle	Lagerstroemia indica	45 gal	2.5" DBH	12' Ht	5'	No	High	5' ct single leader
(+)	MB	5	Brackett's Southern Magnolia	Magnolia grandiflora 'Brackett's Brown Beauty'	B & B	2.5" DBH	12' Ht	5'	Yes	High	5 c.ct.
(+)	QV	8	Southern Live Oak	Quercus virginiana	B & B	3.5" DBH	12' Ht	5'	Yes	High	5' ct
(+)	QV1	4	Southern Live Oak	Quercus virginiana	B & B	4" DBH	16'-18" o.a.	5-6'	Yes	High	5 CT
(+)	SPR	1	Cabbage Palmetto	Sabal palmetto	NA				Yes	High	RELOCATED #13
(+)	TC	5	Yellow Trumpet Tree	Tabebuia caraba	B & B	2.5" DBH	12' Ht	5'	No	High	5 ct
(+)	TD	17	Bald Cypress	Taxodium distichum	B & B	4" Cal	14'-16" Ht.	6-8'	Yes	High	5 CT
(+)	TP	8	Pink Tabebuia	Tabebuia pallida	B & B	2.5" DBH	12' Ht	5'	No	High	5 ct
PALM TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	CALDBH	HEIGHT	SPREAD	NATIVE	XERIC	REMARKS
(+)	SP	13	Cabbage Palmetto	Sabal palmetto	B & B		10'-14' c.t., staggered		Yes	High	staggered clusters
SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC	REMARKS
(o)	CHH	240	Road Tip Coccoloba	Chrysobalanus icaco 'Road Tip'	NA	30"	36"	24"	Yes	High	Full to base
(o)	POD	75	Shrubby Yew	Podocarpus macrophyllus maki	NA	42"	72"	30"	No	Medium	Full to base
(o)	VIB	20	Sandbarke Viburnum	Viburnum suspensum	NA	30"	36"	24"	No	High	Full to base
SHRUB AREAS	CODE	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC	REMARKS
(hatched)	JUP	59	Parson's Juniper	Juniperus chinensis 'Parson's'	n/a	24"	18"	16'-18"	Yes	Medium	
SOD/SEED	CODE	QTY	COMMON NAME	BOTANICAL NAME	SPECIFICATIONS	SPACING	HEIGHT	SPREAD	NATIVE	XERIC	REMARKS
(stippled)	BAH	15,288 sf	Bahia Grass	Paspalum notatum 'Argentine'	grass					High	seed

LANDSCAPE CODE COMPLIANCE CHART

FORT PIERCE - CODE OF ORDINANCES; CH. 22; ART XII
CUMBERLAND FARMS

TOTAL SITE AREA: 61,716 sq. ft. (1.42 ACRES)
 TOTAL VJA: 35,022 sq. ft.
 TOTAL LANDSCAPE AREA: 16,813 sq. ft. (27.2%)

SEC. 22-187 - GENERAL LANDSCAPE REQUIREMENTS

1 - Requirements for Plant Materials
 Trees: Minimum 12" height x 5" width, 6" clear trunk, 2.5" dbh
 Palms: 3 Palms = 1 Tree (50% MAX)
 Shrubs: Min. 24" height at time of installation

4 - Landscape Strips
 Between Street R.O.W and VJA Use, Building and/or Retention Areas
 10' width minimum Landscape Strip
 1 Tree/300 sq. ft. (642.89 sq. ft. @ 10' x 10' = 6,428.9 sq. ft.)
 36" H. Continuous Visual Screen

6 - Vehicular Use, Building, Retention/Detention Areas Adjacent to Other Property
 10' width minimum Landscape Strip
 1 Tree/200 sq. ft. (200 sq. ft. @ 10' x 10' = 2,000 sq. ft.)
 8' Continuous Visual Screen

7 - Interior Vehicular Use Areas
 1 sq. ft. of Interior Landscape Area/15 sq. ft. of VJA
 1 Tree/100 sq. ft. of Required Interior Landscape Area

REQUIRED	PROVIDED
10'	16'
22 TREES	22 TREES
14 TREES	14 TREES
2,334.8 sq. ft.	15,910.42 sq. ft.
24 TREES	24 TREES
60 TREES	60 TREES
TOTAL	TOTAL

SEC. 22-194 - TREE PROTECTION AND MITIGATION
 (602) Native Trees with a DBH of 14" or greater shall be Mitigated inch/inch
 Trees Preserved on-site, which exceed minimum code, count towards mitigation

Deficit inches	227' Removed	163' Preserved
Planted Trees in Excess of Code Count at 50% towards mitigation:		
Trees Over Code Minimum:	16	
Total DBH over Code Minimum:	64	
Total Mitigation Required:	0	

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PROJECT No.: F140006
 DRAWN BY: RJK
 CHECKED BY: MDG
 DATE: 09-02-15
 CAD I.D.: LANDSCAPE PLAN

PROJECT:
2009 SOUTH 35TH STREET
 FOR

 FLORIDA

HOMAS
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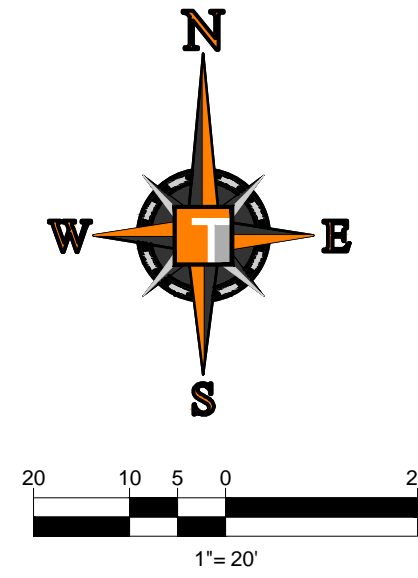
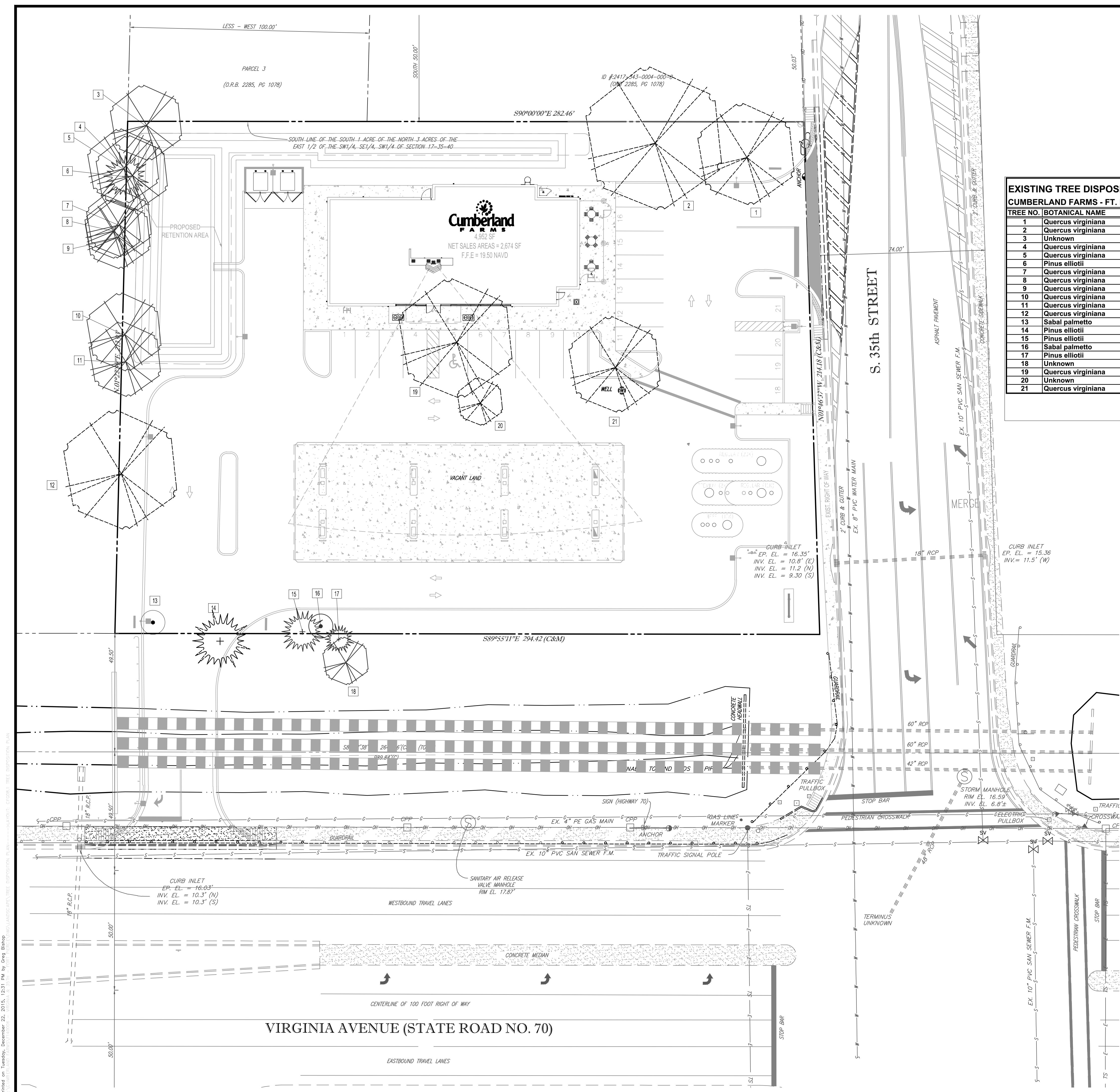
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MICHAEL D. GROSSWIRTH

REGISTERED LANDSCAPE ARCHITECT
 December 22, 2015
 FLORIDA LICENSE No. 6668871
 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

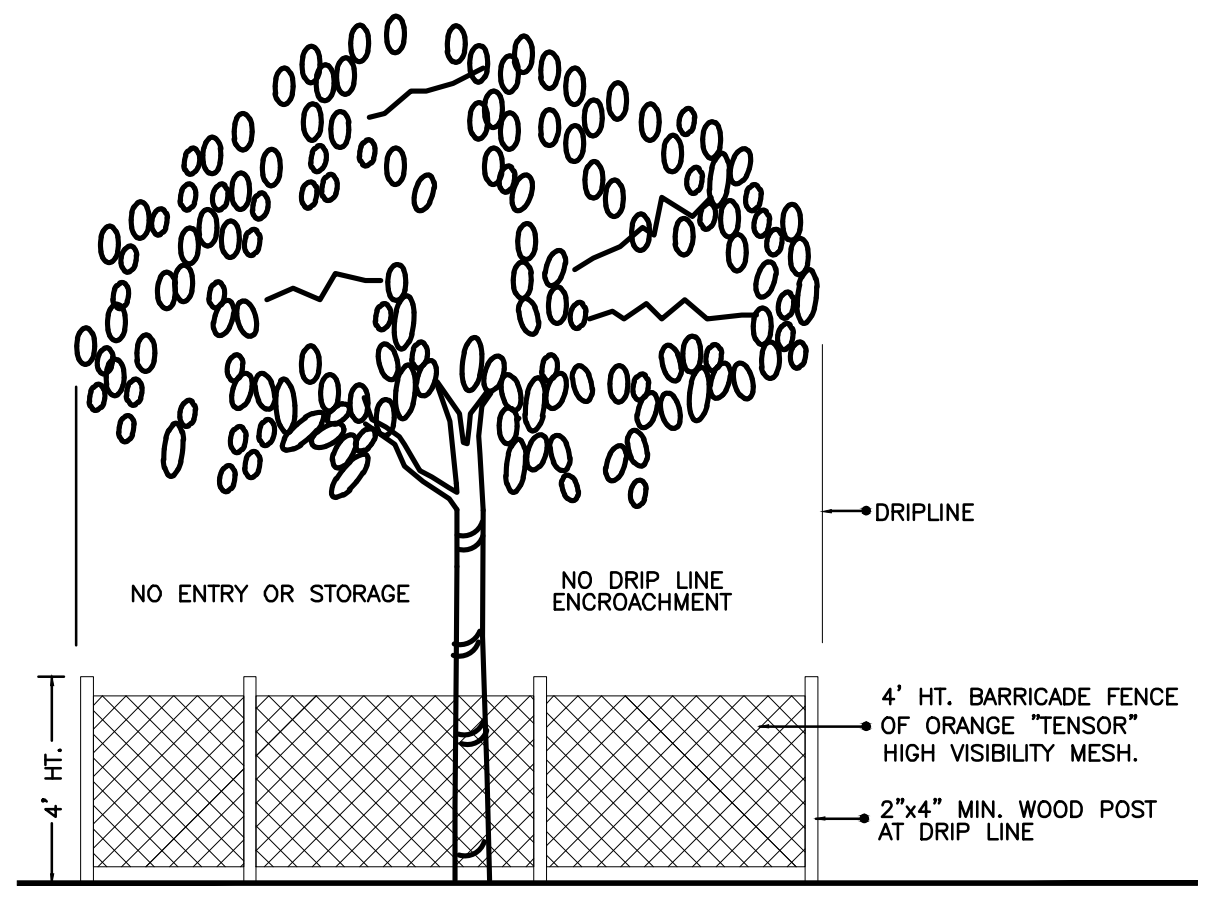
SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
CFG08.0



EXISTING TREE DISPOSITION CHART
CUMBERLAND FARMS - FT. PIERCE, FL

TREE NO.	BOTANICAL NAME	COMMON NAME	DBH	CONDITION	DISPOSITION	COMMENTS	PROTECTED
1	Quercus virginiana	Live Oak	33.0	Fair	remove	Construction	YES
2	Quercus virginiana	Live Oak	40.0	Fair	remove	Construction	YES
3	Unknown		11.5	Fair	REMAIN		
4	Quercus virginiana	Live Oak	20.0	Fair	REMAIN		
5	Quercus virginiana	Live Oak	20.0	Fair	REMAIN	offsite/double (2 @ 10")	YES
6	Pinus elliotii	Slash Pine	16.5	Fair	REMAIN		YES
7	Quercus virginiana	Live Oak	22.0	Fair	REMAIN	off site	
8	Quercus virginiana	Live Oak	8.5	Fair	REMAIN	off site	
9	Quercus virginiana	Live Oak	17.0	Fair	REMAIN	off site	
10	Quercus virginiana	Live Oak	15.0	Fair	REMAIN		YES
11	Quercus virginiana	Live Oak	27.5	Fair	REMAIN		YES
12	Quercus virginiana	Live Oak	40.5	Fair	remove	Construction	YES
13	Sabal palmetto	Cabbage Palm	16.0	Fair	Relocate	Construction	
14	Pinus elliotii	Slash Pine	35.0	Fair	remove		YES
15	Pinus elliotii	Slash Pine	20.0	Fair	REMAIN		YES
16	Sabal palmetto	Cabbage Palm	16.0	Fair	REMAIN	booted	
17	Pinus elliotii	Slash Pine	23.0	Fair	REMAIN		YES
18	Unknown		11.0	Fair	REMAIN		
19	Quercus virginiana	Live Oak	40.0	Fair	remove	Construction	YES
20	Unknown		11.0	Fair	remove	Construction	
21	Quercus virginiana	Live Oak	38.0	Fair	remove	Construction	YES
			TOTAL DBH ON SITE:	416			
			TOTAL DBH TO REMAIN:	163			
			TOTAL DBH TO BE REMOVED:	227			



TREE PRESERVATION BARRICADE FENCING DETAIL

GENERAL NOTES:

- 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.
- Contractor to notify "Sunshine State One Call of Florida, Inc." at 1-800-432-4170 Two Full Business Days prior to digging for underground utility locations.
- Contractor shall be responsible for providing final grading of all associated planting areas.
- After final grade, area to be raked to 6" depth and all rock and foreign inorganic materials removed and disposed of properly off-site.
- No plant material will be accepted showing evidence of cable, chain marks, equipment scars, or otherwise damaged.
- Plant material will not be accepted when the ball of earth surrounding its roots has been cracked, broken or otherwise damaged.
- Root-prune all trees a minimum of (18) weeks prior to planting.
- 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.
- In all pedestrian areas, all trees and palms shall be maintained to allow for clear passage at an 8 foot clear trunk.

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MICHAEL D. GROSSWIRTH
 REGISTERED LANDSCAPE ARCHITECT
 December 22, 2015
 FLORIDA LICENSE No. 6668871
 FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE: TREE DISPOSITION PLAN
 SHEET NUMBER: CFG08.1

LANDSCAPE GENERAL NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

1. ALL EXISTING BUILDINGS, WALLS, WALLS, PAVING, PIPING, AND OTHER ITEMS OF CONSTRUCTION ON AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THIS CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS, EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT, STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP—LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP—LINE.

2. NO MATERIALS SHALL BE BURIED WHERE THE HEAT WILL DAMAGE ANY PLANT. TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY PERCENT (20%) PER INCH OF CALIPER. CALLIPERS ARE AS FIXED AND AGREED LIQUIDATED DAMAGES, OR AS MAY BE REQUIRED BY THE REGULATING GOVERNMENT AGENCY, WHICH IS GREATER. CALIPER SHALL BE MEASURED AT BREAST HEIGHT OR FOUR FEET (4') ABOVE SURROUNDING GROUND.

D. MATERIALS

1. SUBMITTALS: GENERAL SAMPLES OF PLANTING MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON THE SITE OR AS OTHERWISE DETERMINED BY THE OWNER, UPON APPROVAL OF SAMPLES, DELIVERY OF MATERIALS MAY BEGIN.

MATERIALS SAID E. SUBMITTALS
MULCH ONE (1) CUBIC FOOT
TOPSOIL ONE (1) CUBIC FOOT
PLANT ONE (1) REPRESENTATIVE SAMPLE OF EACH VARIETY

2. PLANT MATERIALS
A) GENERAL PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES.

B) ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH "GRADES AND STANDARDS FOR NURSERY PLANTS" PARTS I AND II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GROWN AND MUST BE IDENTIFIED BY CALIPER AS SUPERCEDED BY A FLORIDA FANCY DESIGNATION, AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS. INSECT EGGS AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER, WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY UPON THE APPROVAL OF THE OWNER.

C) MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE TOP OF ROOTBALL (TRUNK FLARE) AND/OR ACROSS THE AVERAGE SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OR EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

D) INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER. FOR QUALITY, SIZE, AND VARIETY. SUCH PRELIMINARY APPROVAL SHALL NOT CONSTITUTE THE FINAL INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF BALLS OR ROOTS, LATENT DEFECTS OR INJURIES, PRESENCE OF INSECTS, AND OTHER DEFECTS THAT MAY HAVE OCCURRED SINCE THE NURSERY INSPECTION. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO DISPATCHED DATE.

E) AMENDED PLANTING SOIL: PLANTING SOIL FOR USE IN BACKFILLING PLANTING HOLES SHALL BE FORTY PERCENT (40%) TOPSOIL AND SIXTY PERCENT (60%) SAND AND BE FERTILE, FRAGILE, AND OF A LOAMY CHARACTER, WITHOUT MIXTURE OF SUBSOIL MATERIALS, AND OBTAINED FROM A WELL-DRAINED, ARABLE SITE. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND SHALL BE FREE FROM HEAVY CLAY, COARSE SAND, STONES, LIME, LUMPS, PLANTS, ROOTS OR OTHER FOREIGN MATERIALS, OR NOXIOUS WEEDS. IT SHALL NOT CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. PH RANGE SHALL BE 5.0 TO 7.0 INCLUSIVE.

F) SAND SHALL BE CLEAN, WELL DRAINING NATIVE SAND. IF REQUESTED, CONTRACTOR SHALL AT ANY TIME AND AT NO COST TO OWNER SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROVIDED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY OWNER.

E. WATER

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL, NATURAL, OR MAN—MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARDS SHALL BE PROVIDED BY THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SUCH SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

F. COMMERCIAL FERTILIZER

1. COMMERCIAL FERTILIZER SHALL BE A COMPLETE FORMULA. IT SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL, UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS.

FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE DELIVERED FROM NATURAL ORGANIC SOURCES. THE FOLLOWING FERTILIZERS SHALL BE USED AND APPLIED AT RATES AS SUGGESTED BY MANUFACTURER'S SPECIFICATIONS.

1. SHRUBS AND TREES — MILORGANITE, OR APPROVED EQUAL
2. ANNUALS AND GROUNDCOVERS — OSMOCOTE/SIERRA BLEND 14—14—14
3. SOD — 8—8—8

IN ADDITION TO SURFACE APPLIED FERTILIZERS, ALL CONTAINER GROWN AND FIELD GROWN PLANT MATERIAL SHALL RECEIVE A PRE-PLANTING DETAIL THAT ADDRESSES THE FOLLOWING: 21 GRAM OR EQUAL. THESE TABLETS SHALL BE PLACED AT THE RATE AND DEPTH SPECIFIED BY MANUFACTURER.

G. MULCH

1. MULCH SHALL BE FROM SHREDDED WOOD DERIVED FROM MELALUCA OR OTHER INVASIVE TREE SPECIES AND SHALL BE STERILIZED TO EFFECTIVELY ELIMINATE ALL SEEDS, SPORES, ETC. AND RENDER THEM BARREN.

2. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE INCHES (3").

3. MULCH SHALL BE GRADE, B' SHREDDED, AND SHALL BE APPLIED EVENLY AND SMOOTH TO PLANTED AREAS.

4. NO RED OR COLORED MULCH SHALL BE ACCEPTED UNLESS SPECIFIED ACCORDINGLY. NO CYPRESS MULCH SHALL BE USED.

H. DIGGING AND HANDLING

1. PROTECT ROOT SYSTEMS OR ROOTBALLS OF PLANTS AT ALL TIMES FROM SUN AND DRYING WINDS, WATER EROSION, AND OTHER HARMFUL CRITERIA AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT BREAKING AND DRYING OUT DURING LOADING, TRANSPORT, AND UNLOADING. PLANTING TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN

ANTI-TRANSPIRANT PRODUCT ("WILTPROOF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS, AND IN ACCORDANCE WITH "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I AND II, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. IF THE BALL IS CRACKED OR BROKEN, PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED "DR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. THE ROOTS SHALL NOT BE CUT WITHIN THE MINIMUM SPREAD SPECIFIED IN THE PLANT LIST. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT IN MOVING AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS BY "GRADES AND STANDARDS FOR NURSERY PLANTS" FLORIDA PUBLICATION. PRUNING PRACTICED OTHER THAN MINIMAL PRUNING OF FRONDS, PRIMARILY TO REACH A "CLEAR TRUNK" SPECIFICATION, MAY CONSTITUTE REJECTION. OR ALL PALMS SUBJECT TO SUCH PRUNING, LIKEWISE EXCESSIVE PRUNING OR "SHAVING" OF ROOTBALLS TO MEET "CLEAR TRUNK" CRITERIA MAY CONSTITUTE REJECTION ON SITE. ALL PALMS SHALL BE BRANDED PER PALM PLANTING DETAIL ON THE PLANTING DETAILS SHEET.

5. EXCAVATION OF PLANTING HOLES SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS, AND PREPARED SUB—BASES.

I. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL—ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, AND SHALL MEET MINIMUM SPECIFICATIONS IN THE PLANT LIST.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUPERFICIALY LONGER FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOTS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE.

4. SUBSTITUTION OF NON—CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NEED AUTHORIZATION FROM THE OWNER.

J. COLLECTED STOCK

1. WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED ON THE PLANT LIST SCHEDULE, THE MINIMUM SIZES OF ROOT BALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

K. NATIVE STOCK

1. PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED GROWN WHEN THEY HAVE BEEN SUCCESSFULLY REESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

L. MATERIALS LIST

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MATERIALS AND TO VERIFY THE QUANTITY AND SPECIFICATIONS OF ALL MATERIALS AND TO NOTIFY THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO THE SUBMISSION OF BIDS. DRAWING SHALL TAKE PRECEDENCE. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

M. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS, BEING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CORRECT GRADE FOR THE THICKNESS OF SOIL AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT—END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

N. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP WORK AND SURROUNDING AREAS OF ALL RUBBER, OR OBJECTS, MATERIALS, ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE COMPLETELY REMOVED FROM THE SITE. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL, SHOULD THE CONTRACTOR FIND SUCH SOIL. CONCERNED WITHIN THE SOIL, WHICH WILL IN ANY WAY AFFECT THAT VIABILITY OF THE PLANTS TO BE INSTALLED. HE/SHE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S CONSTRUCTION MANAGER OR DESIGNEE.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO, ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORM WATER LINES, CABLE AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIME ROCK AND LIME ROCK SUB—BASE FROM ALL LANDSCAPE PLANTING AREAS TO MINIMUM DEPTH OF APPROXIMATELY 20% GREATER THAN RECOMMENDED PLANTING SOIL DEPTH. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON SITE SOURCE OR AN IMPORTED SOURCE. IF LIMESTONE CONDITIONS OCCUR IN PLANTED AREAS AFTER 30' DEEP EXCAVATION BY CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE OR CONTACT OWNER'S CONSTRUCTION MANAGER OR DESIGNEE FOR RESOLUTION.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. GENERAL: COMPLY WITH FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. PLANTS SHALL BE PROTECTED UPON ARRIVAL AT THE SITE BY BEING THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS SHALL NOT REMAIN UNPROTECTED FOR A PERIOD EXCEEDING TWENTY—FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH THE IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION ITEMS AND PLANTS.

7. ALL PLANTING HOLES SHALL BE EXCAVATED TO A SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD TO NURSERY STOCK 280.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL AS SPECIFIED HEREIN BEFORE (SEE MATERIALS LIST SECTION D). TEST ALL TREE FITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF PROPER DRAINAGE EXISTS, UTILIZE PLANTING DETAIL THAT ADDRESSES THIS CONDITION. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURE AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN. PROPER "KETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "SET STOCK" OR EQUAL, IS REQUIRED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS, CURBS, PAVING, AND OTHER HARDSCAPE MATERIALS WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION D (MATERIALS) OF THESE SPECIFICATIONS. IN ADDITION, EACH PLANTING HOLE SHALL RECEIVE 21—GRAM "AGRIFORM" PLANTING TABLETS PER MANUFACTURER'S SPECIFICATIONS OR AS FOLLOWS:
— TWO (2) TABLETS PER 1 GAL. PLANT
— THREE (3) TABLETS PER 3 GAL. PLANT
— FOUR (4) TABLETS PER 10 GAL. PLANT
— LARGER MATERIAL

— TWO (2) TABLETS PER HALF INCH (1/2") OF TRUNK CALIPER

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AND AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE TOP OF THE ROOT SYSTEM (FOR SHRUBS AND GROUND COVER) OR TRUNK FLARE (TREES AND PALMS) WILL STAND ONE (1) TO TWO (2) INCHES ABOVE FINAL GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PLANTING HOLE. PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED AROUND THE BALL AND SHALL BE SETTLED BY WATER AFTER TAMPING.

11. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, TURNING SOIL IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH SOIL OR OTHER TAMPING DEVICE. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, ETC., SHALL BE PULLED FROM UNDERNEATH.

12. PRUNING: FOR DAMAGED OR BROKEN LIMBS, EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE SPECIES. ALL SUCKER GROWTH SHALL BE COMPLETELY REMOVED PRIOR TO DIGGING.

13. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED IN THE PLANT LIST. CULTIVATE ALL MASS PLANTING AREAS TO A MINIMUM DEPTH OF 6". REMOVE AND DISPOSE ALL DEBRIS, TILL 4" OF PLANTING SOIL MIX INTO THE MINIMALLY TILLED PLANTING BED FOR GENERAL NUTRIENT DISBURSEMENT. MASS PLANTING BED IS NOW READY TO RECEIVE HOURS FOR NEW PLANTS. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

14. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE LANDSCAPE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. TREES SHALL USE ARBORLITE AS PER DETAIL SHEET. PALMS SHALL USE WOOD BRACING PER DETAIL SHEET.

15. MULCHING: PROVIDE A THREE INCH (3") MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER AND VINE BED AND TREE PIT (FOR TREES AND PALMS, MIN. THREE INCH (3") FROM EDGE OF TRUNKS). — UNLESS OTHER REQUIRED BY LOCAL CODES AND SPECIFIED AS SUCH.

16. SYSTEMIC HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER OR THEIR DESIGNEE, A SYSTEMIC HERBICIDE SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. AFTER MULCH HAS BEEN APPLIED TO PLANTING BEDS AND TREE FITS, TREAT ALL MULCHED AREAS WITH AN APPROVED PRE—EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER.

O. LAWN SODDING

STENOTAPHRUM SECUNDATUM V. FLORITAM UNLESS OTHERWISE NOTED. (ST. AUGUSTINE SOLO SOD).
1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING.

COMPLETE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A GRASS LAWN ACCEPTABLE TO THE OWNER AND GROWING AGENCIES.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY TUGH GRASSES, WEEDS, AND DEBRIS, AND THE SOIL BROUGHT TO AN EVEN PREPARED GRADE TO ALLOW FOR SOIL PREPARATION BELOW.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR INCHES (4") DEEP. APPLY FERTILIZER AT A RATE OF TWENTY (20) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLICATION SHALL BE UNIFORM. UTILIZE COMMERICAL BROADCAST SPREADERS. MIX FERTILIZER THOROUGHLY WITH THE SOIL, TO A DEPTH OF THREE INCHES (3"). HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY TO PREPARE FOR SOD INSTALLATION.

4. SODDING: THE CONTRACTOR SHALL SOD ALL PERVIOUS AREAS THAT ARE NOT PAVED OR PLANTED AS SHOWN ON THE DRAWINGS WITHIN THE CONTRACT LIMITS TO CREATE A UNIFORM, FIRM TURF BLANKET FOR THE SITE.

a) THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE BOARD SPECIFICATIONS ABSOLUTELY TRUE TO VARIETY TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS, AND DISEASE. OF ANY KIND. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER TO MAKE A SOD, SODDED LAWN AREA.

b) SOD SHALL BE LAID IN ROWS WITH EVERY OTHER ROW STAGGERED HALF WAY BETWEEN THE NEXT TO INSURE NO CONTINUOUS STACKED JOINTS. SEW JOINTS OF SOD TO INSURE A TIGHT FIT AT JOINTS.

c) SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS, ADJACENT TO BUILDINGS, CURBS INCH (4") FROM THE STRIP SHALL BE PROVIDED IMMEDIATELY FOLLOWING SOD LAYING. THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER.

CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED TO THOROUGHLY MOISTEN THE SOIL BENEATH. IF, IN THE OPINION OF THE OWNER, TOP—DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND AS APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN.

5. DURING DELIVERY, PRIOR TO AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE TO DIRECT SUNLIGHT. THE SUN, ALL SOD SHALL BE INSTALLED DURING THE DAY OF ITS ARRIVAL.

6. LAWN MAINTENANCE:

a) WITHIN THE SITE, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE—SODDING OF ALL ERODED, SLUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTABILITY BY OWNER OR AS IN THE ORIGINAL WORK SCOPE AND PROCESS (INCLUDING REGRADING, IF NECESSARY).

b) WATER EVERY DAY FOR FORTY EIGHT (48) SUCCESSIVE DAYS, THEN WATER THREE (3) TIMES PER WEEK (AT EVEN INTERVALS) UNTIL FULLY ESTABLISHED OR UNTIL AUTOMATIC IRRIGATION SYSTEM IS FULLY OPERATIONAL AND PROGRAMMED ACCORDINGLY. COORDINATE WATERING SCHEDULE WITH NATURAL RAINFALL. RAINFALL EVENTS IN DURATION OF TWENTY (20) MINUTES OR MORE THAT PRODUCE MORE THAN A HALF INCH (1/2") OF PRECIPITATION WILL NEGATE THE NEED FOR WATERING. WATERING SHALL BE SCHEDULED TO OCCUR AT THE TIME OF RAINFALL. WATERING SHALL BE A SUFFICIENT QUANTITY TO WET OR RESTORE WATER TO A DEPTH OF FOUR INCHES (4").

P. CLEANUP

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

Q. PLANT MATERIAL MAINTENANCE

1. ALL PLANTS AND PLANTING MATERIALS INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE—STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER'S DESIGNEE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE AREAS SUBJECT TO A RESERVATION OF NINETEEN (19) CALENDAR DAYS COMMENCING AFTER ACCEPTANCE (SEE NEXT SECTION).

R. MAINTENANCE (ALTERNATE BID ITEM)

1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR LANDSCAPE AND IRRIGATION MAINTENANCE FOLLOWING THE INITIAL 90—DAY MAINTENANCE PERIOD ON A COST PER MONTH BASIS.

S. GUARANTEE

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER'S DESIGNEE.

2. THE LIFE AND SATISFACTORY CONDITION OF ALL SOD INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF NINETY (90) CALENDAR DAYS COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNERS OR OWNER'S DESIGNEE.

3. REPLACEMENT: ANY PLANT NOT IN A HEALTHY, THRIVING GROWING CONDITION SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. SHOULD THE OWNER ELECT, TREES AND PALMS MAY BE GIVEN A PERIOD OF NINETY (90) DAYS BEFORE REMOVAL TO ALLOW THE CONTRACTOR TO RESUBMIT THE TREE OR PALM IN QUESTION AND BRING IT TO A THRIVING, HEALTHY CONDITION. ALL REPLACEMENT PLANTS SHALL BE PLANTS OF THE SAME CONDITION AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED WITHIN THESE SPECIFICATIONS. AT NO ADDITIONAL COST TO THE OWNER, ANY REPAIRS FROM THIS REPLACEMENT MATERIAL SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY. REPLACEMENT MATERIAL SHALL BE GUARANTEED TO A ONE (1) YEAR PERIOD FROM THE DAY OF REPLACEMENT ACCEPTANCE BY THE OWNER. SHOULD REPLACEMENT MATERIAL FAIL WITHIN THE GUARANTEE PERIOD, THE OWNER MAY OPT FOR A CREDIT OF THE MONETARY AMOUNT FOR THE REPLACEMENT

MATERIALS, AT A RATE OF THE ORIGINAL CONTRACT BID RATE, IN LIEU OF AN ADDITIONAL REPLACEMENT.

4. IN THE EVENT THE OWNER ELECTS NOT TO CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER OR THEIR DESIGNEE, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH OF ITEMS UNDER REPLACEMENT WARRANTY. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

1. FINAL INSPECTION BY OWNER OR THEIR DESIGNEE AT THE END OF THE GUARANTEE PERIOD SHALL INCLUDE PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY PLANTS NOT MEETING THE CRITERIA OF HEALTHY, VIGOROUS, AND THRIVING AT THIS TIME, AND THAT HAVE NOT ALREADY BEEN REPLACED PREVIOUSLY, UNDER SAID WARRANTY, SHALL BE SUBJECT TO THE SAME ONE (1) YEAR GUARANTEE (OR AS SPECIFIED BY THE OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. GRADING & DRAINAGE NOTES

1. PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE DIG SAFE® NOTIFICATION PROCEDURES PROMOTED BY THE RESPECTIVE UTILITY COMPANIES IN FLORIDA, CALL FLORIDA SUNSHINE AT #11.

2. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDINGS AT ALL TOP AND BOTTOM OF SLOPES.

3. FITCH EVELY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST FITCH TO DRAIN AT A MINIMUM SLOPE OF ONE (1/8) PER FOOT. ANY DISCREPANCY NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER PRIOR TO CONTINUING WORK.

4. WHERE NEW PAVING OR EARTHWORK EXISTS EXISTING PAVING OR EARTHWORK, SMOOTHLY BLEND LINE AND GRADE OF MEETING WITH NEW, WHERE EXISTING VEGETATION TO REMAIN, MEET EXISTING GRADES; DO NOT FILL ABOVE BASAL FLARE OF EXISTING TREES.

V. UTILITY PLAN NOTES

1. CONTRACTOR SHALL INSTALL SCHEDULE 40 PVC CONDUIT (SLEEVES) FOR ALL IRRIGATION PIPING UNDER ALL PAVEMENT AREAS TO CONNECT ALL LANDSCAPE AREAS.

W. SITE PREPARATION

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET THE OWNER AND IDENTIFY TREES AND SHRUBS WHICH ARE TO BE PROTECTED AS WELL AS THOSE WHICH ARE TO BE REMOVED. DO NOT CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.

2. TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED BY THE INSTALLATION OF FENCING AT THE DRIP LINE OR AS DIRECTED BY THE OWNER (SEE LANDSCAPE DETAIL SHEET). PROTECTIVE FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION. PROTECTIVE FENCING SHALL BE SUFFICIENT TO PREVENT CONSTRUCTION EQUIPMENT FROM COMPACTING SOIL AT THE ROOT ZONE AND DAMAGING TRUNKS AND BRANCHES.

3. IF, IN ORDER TO PERFORM EXCAVATION WORK, IT SHOULD BECOME NECESSARY TO REMOVE OR TRIM PLANTS TO BE SAVED, SUCH ROOTS SHOULD BE CUT NEATLY WITH A SMOOTH CLEAN CUT BY A SHARP SAW, COVERED WITH BURLAP, AND KEPT MOIST UNTIL ROOTS ARE BACK FILLED. TEARS OR JAGGED CUTS TO ROOTS ARE UNACCEPTABLE.

4. TREE AND SHRUB REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOT SYSTEMS AND SATISFACTORY OFF—SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PROVIDED BY THE REMOVAL OPERATIONS.

5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE INSIDE AND OUTSIDE THE LIMITS OF CONSTRUCTION DUE TO HIS CONTRACT OPERATIONS.

6. ALL REFUSE, DEBRIS, UNSUITABLE MATERIALS AND MISCELLANEOUS MATERIALS TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF—SITE BY CONTRACTOR.

7. ALL INVASIVE EXOTIC VEGETATION SHALL BE DISPOSED OF OR TREATED AS PER LOCAL, STATE OR REGIONAL GOVERNING AUTHORITIES, REQUIREMENTS OR RECOMMENDATIONS.

X. ROOT CONTROL BARRIER

1. ROOT CONTROL PRODUCT SHALL BE A BIOLOGICAL BARRIER PRODUCT. PRODUCT SHALL BE BIO—BARRIER ROOT CONTROL SYSTEM, AS MANUFACTURED BY BSA FIBERWEB/REEMAY, INC. AND DISTRIBUTED BY HORT ENTERPRISES, INC. BSA BOX 2448, POMPANO BEACH, FL 33061 1—800—866—4678

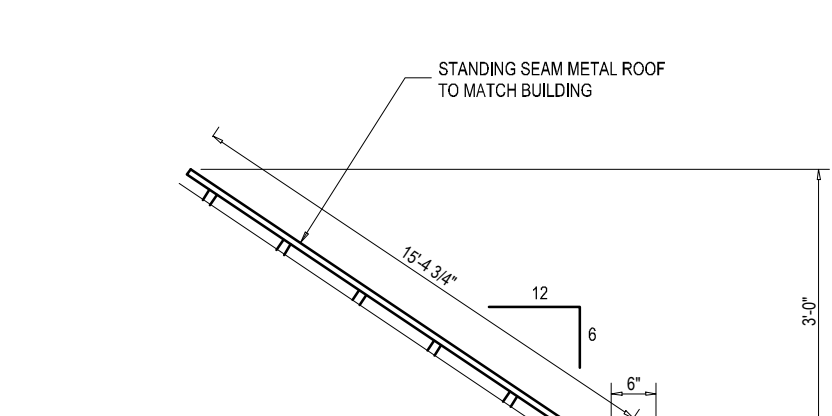
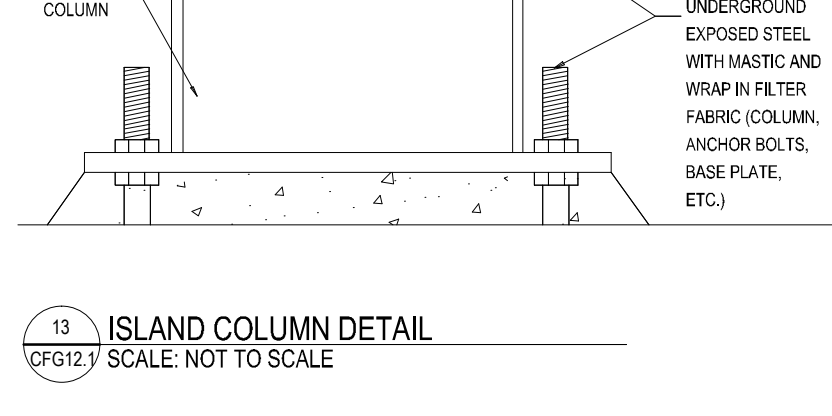
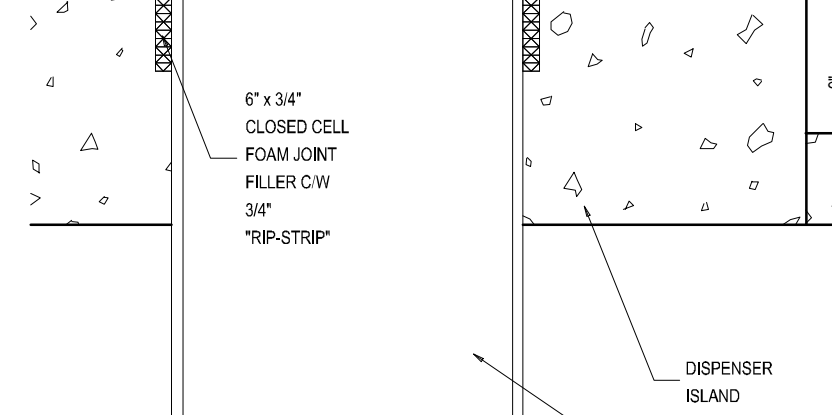
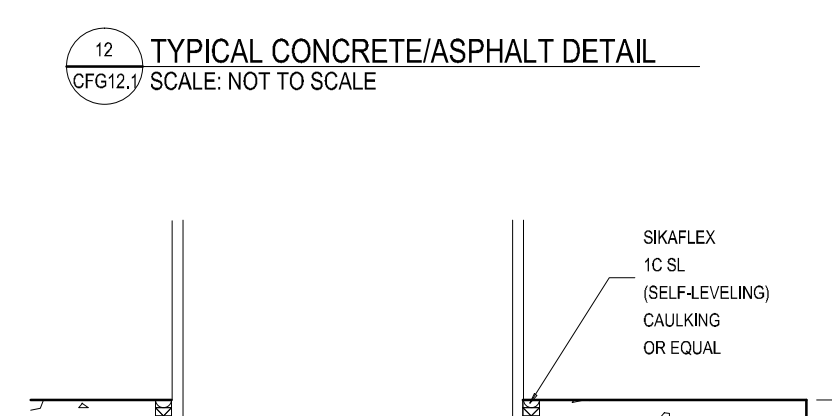
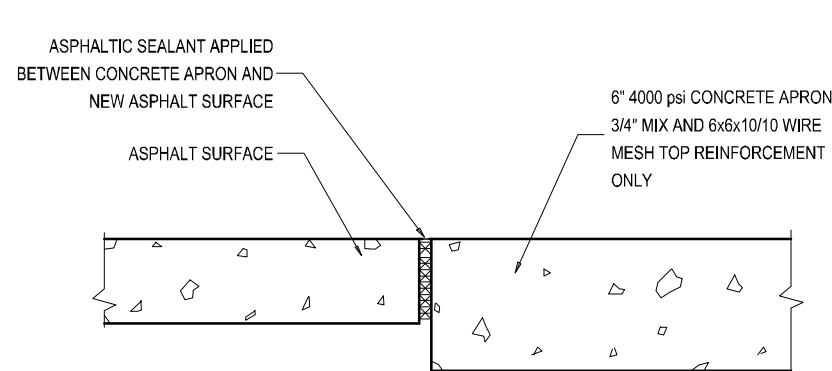
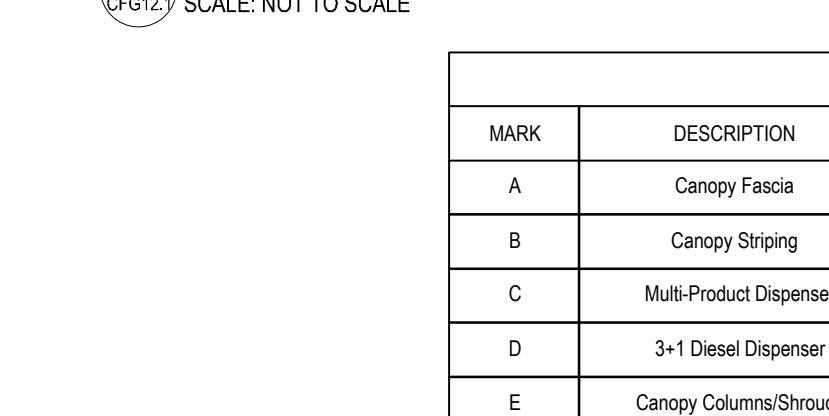
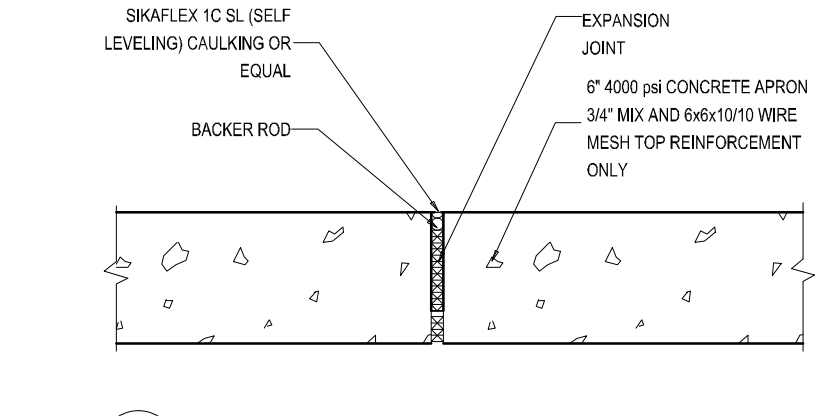
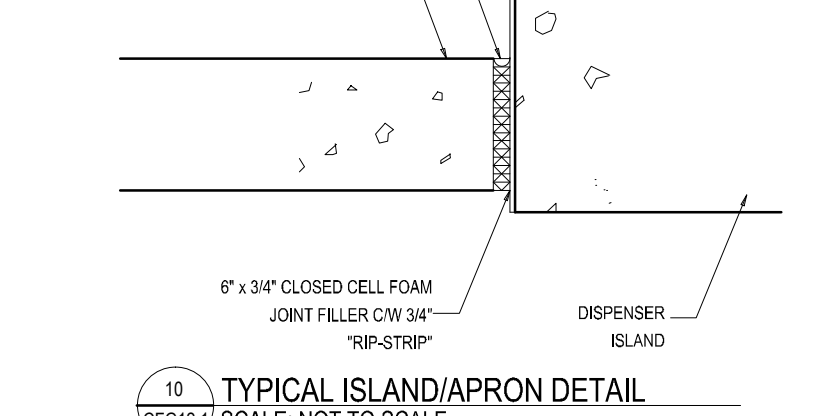
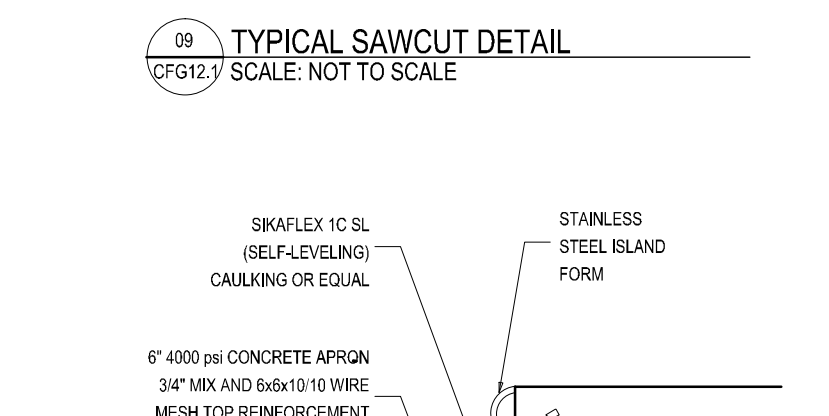
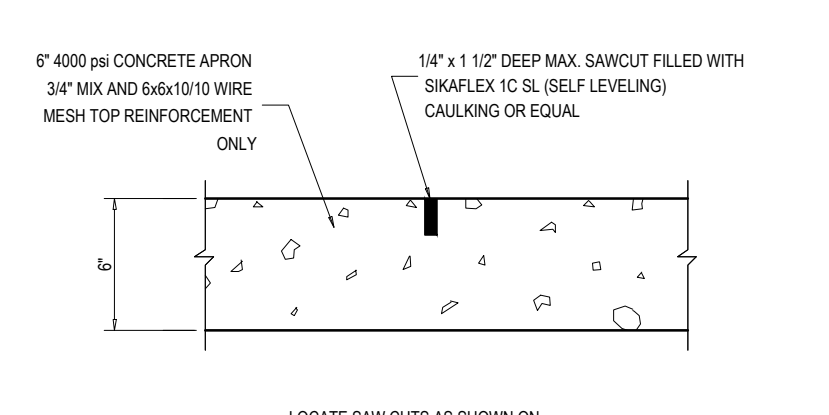
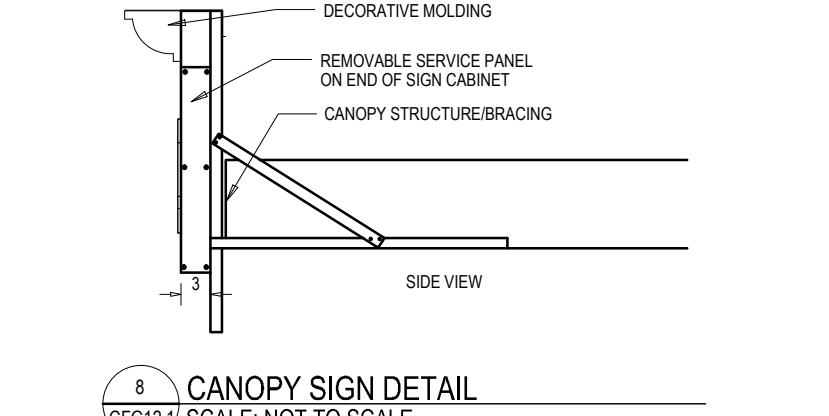
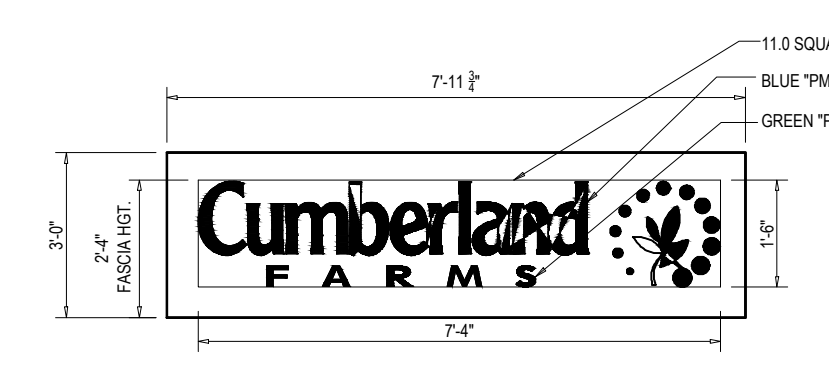
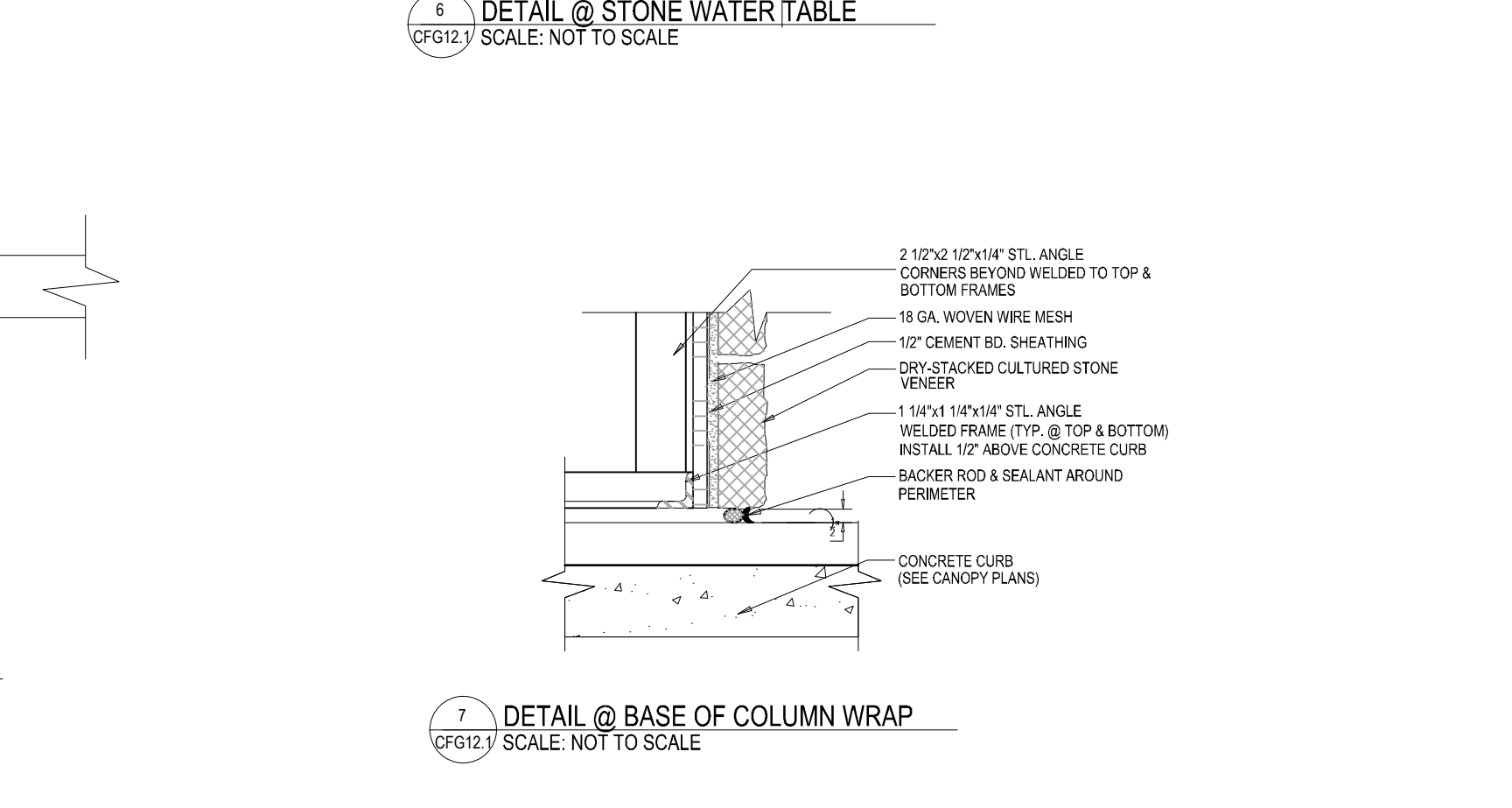
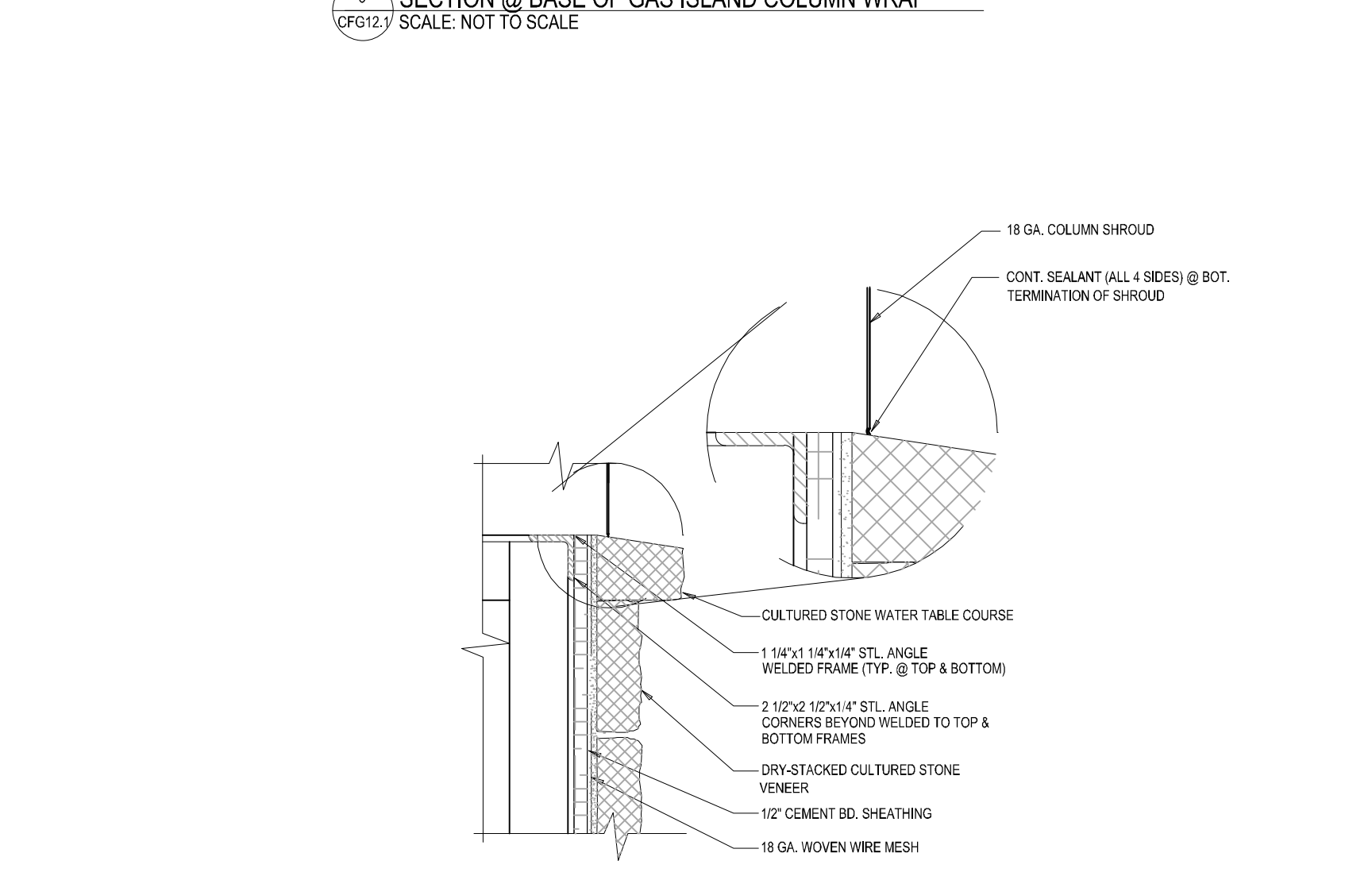
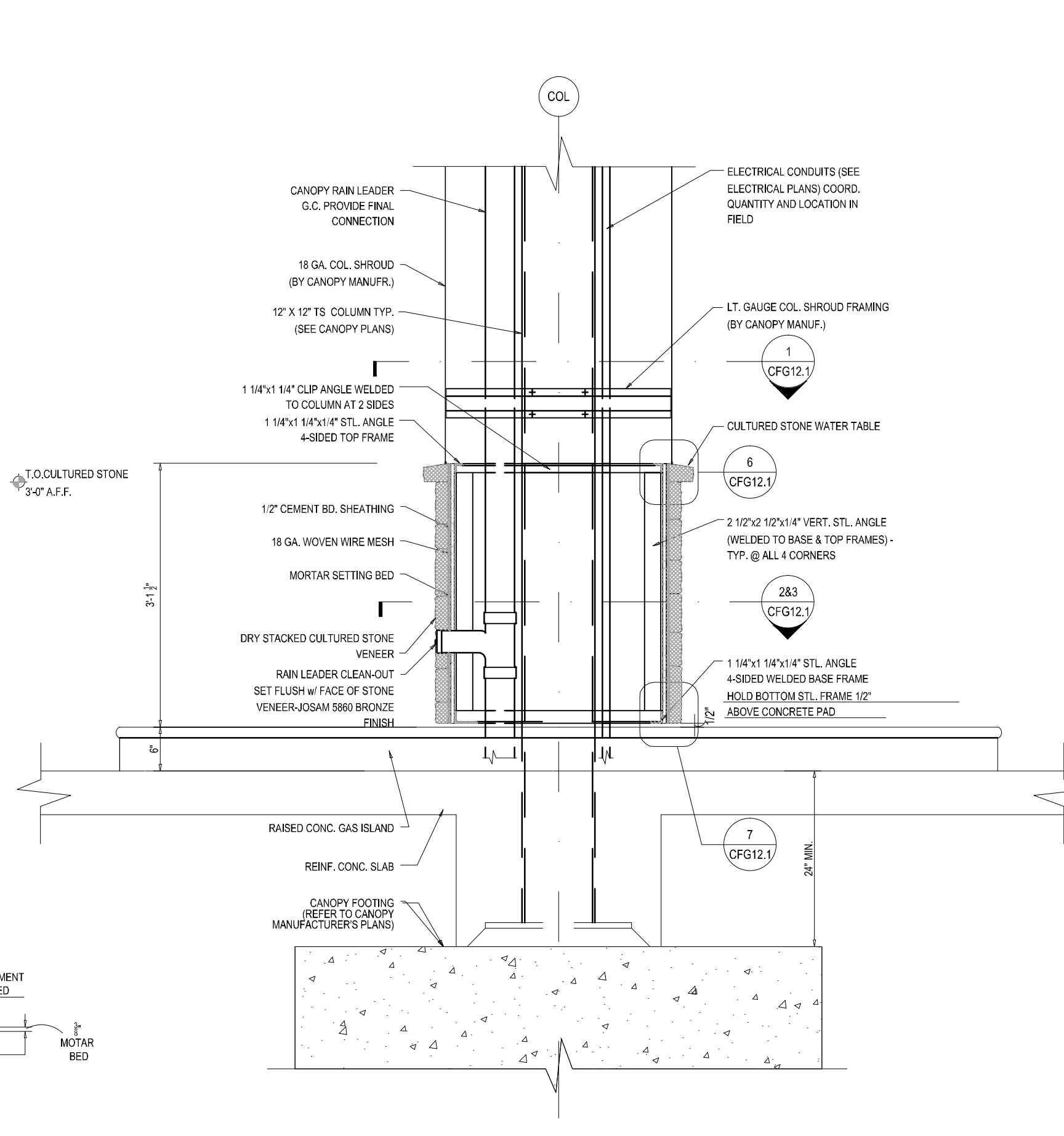
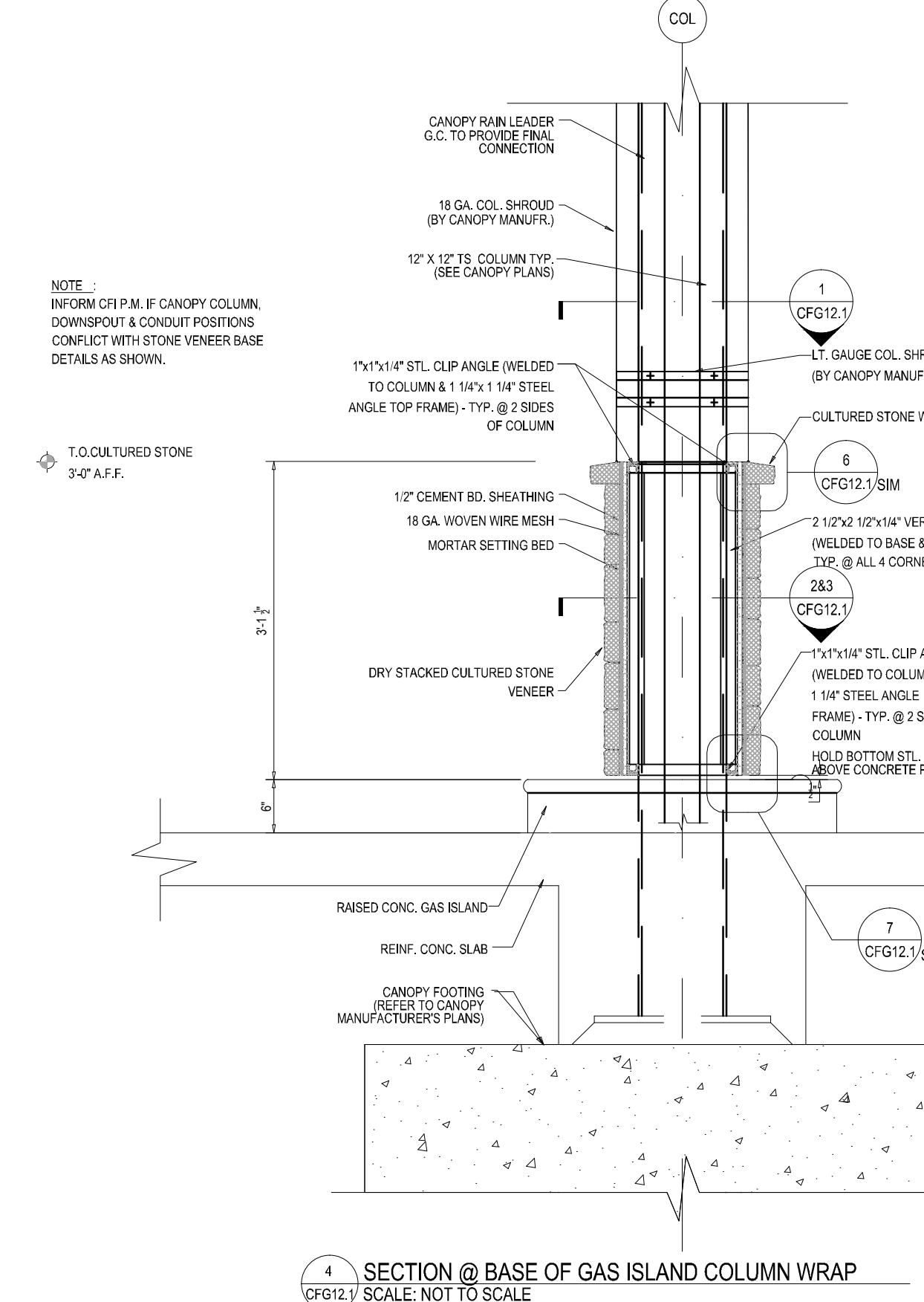
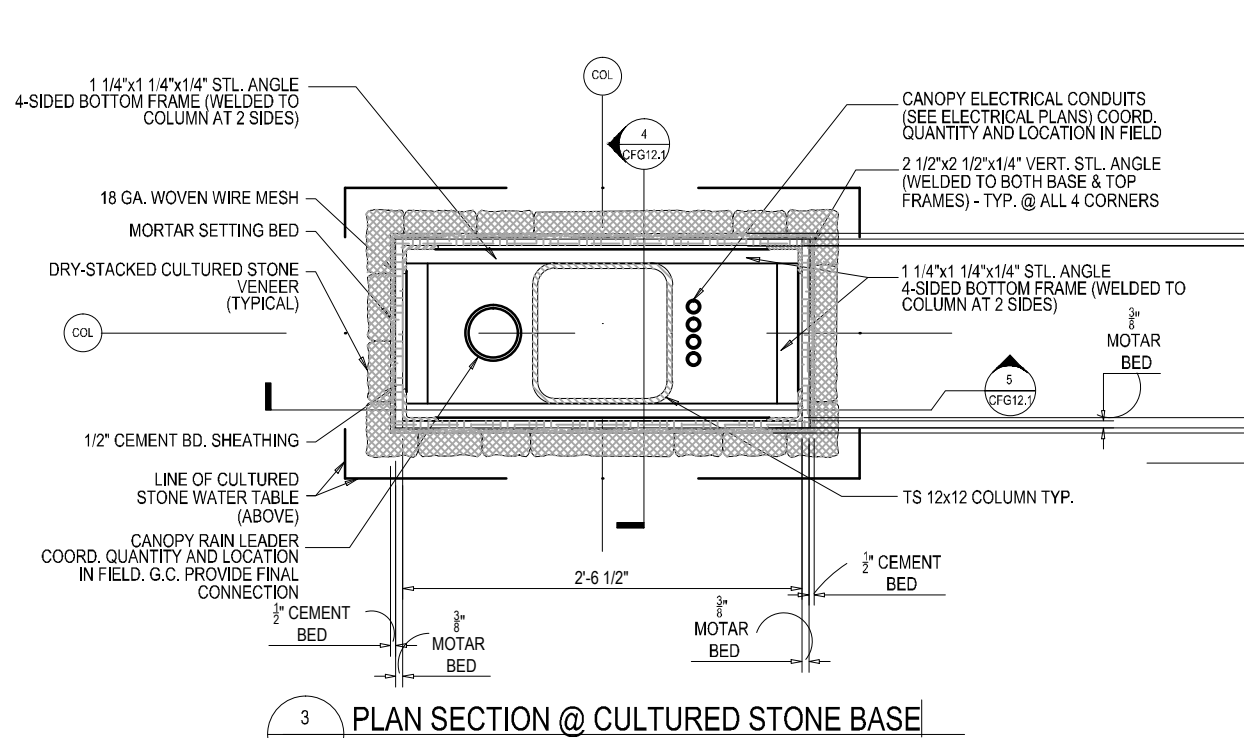
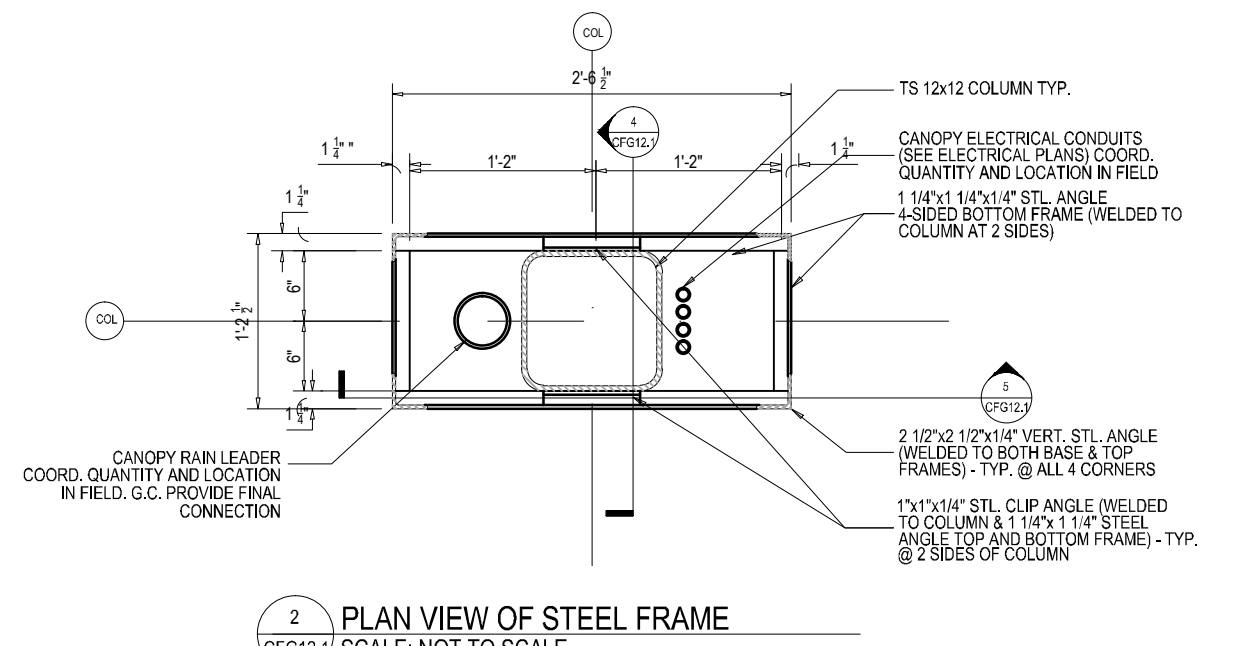
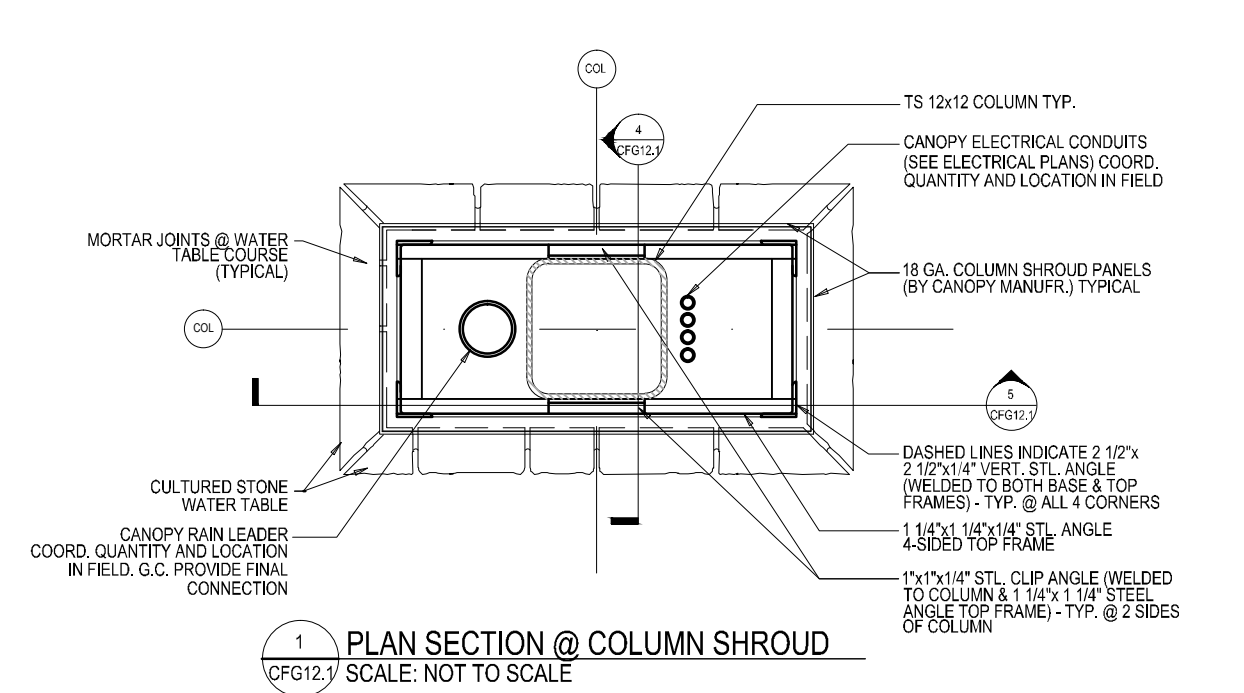
2. PRODUCT SHALL BE A BIOLOGICAL BARRIER UTILIZING LIME—RELEASE CAPSULES INTEGRATED INTO A GEOTEXTILE FABRIC. ACTIVE HERBICIDE SHALL BE TRIFLURALIN, AND MINIMUM TIME RELEASE OF EFFECTIVE PRODUCT SHALL BE 1—5 YEARS IN THE MOST ADVERSE CONDITIONS FOR SUCH A PRODUCT.

3. PRODUCT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR ROOT CONTROL SYSTEMS.

4. USE PRODUCT WHERE TREES ARE WITHIN EIGHT FEET (8') OR LESS OF HARDSCAPE SURFACES INCLUDING CURBS, SIDEWALKS, STEPS, AND ROADWAYS.

5. SPECIFY 1.95" WIDTH OPTION.

6. WHERE CONDITIONS REQUIRE PRODUCT AS SET FORTH IN NO. 4 ABOVE, USE PRODUCT AT LEAST TEN FEET (10') IN EITHER DIRECTION FROM THE CENTER OF



CANOPY DETAIL SCHEDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL	COLOR	QUANTITY	REMARKS
A	Canopy Fascia	ALCOA	ACM Rynobond	Shell White	Per Plan	
B	Canopy Striping	3M	#160-10	PMS 376C	Per Plan	8" Trans. Vinyl Stripe
C	Multi-Product Dispenser	Wayne	Ovation B12		9	
D	3+1 Diesel Dispenser	Wayne	Ovation B23		1	
E	Canopy Columns/Shrouds	See Canopy Manufacturer		Shell White	10	12"x12" column with 17"x25" shroud
F	"U"-Shaped Bollard	Universal	4" OD 36"W x 56"H	Shell White	10	Steel bollard with PVC sleeve
G	Cultured Stone Veneer	Owens Corning Cultured Stone	CSV 2028 Southern Ledgestone	Fog	Per Plan	
H	Cultured Stone Watertable	Owens Corning Cultured Stone	CSV 2028 Southern Ledgestone	Fog	Per Plan	
I	Decorative Moulding	See Canopy Manufacturer		Shell White	Per Plan	
J	Dispenser Island Form	Riverside steel		Stainless Steel	10	37Wx12Lx6H with 6" radius corners
K	Dispenser LED Pump Topper	ABLE		Black w/ Red, Green & White LEDs	10	SmartPay Alternator
L	Hand operated 40BC Fire Extinguisher				10	All extinguishers in cabinets
M	Canopy Roofing				Per Plan	Metal Standard Seam
N	Dispenser Numbering Sign			White w/ Green #	20	Provided by CFI, dispenser detail to be applied in the field by GC

THOMAS ENGINEERING GROUP
 CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
 1000 CORPORATE DR. | 4890 W. KENNEDY BLVD. | 125 W. INDIANTOWN RD.
 FORT LAUDERDALE, FL 33334 | TAMPA, FL 33609 | JUPITER, FL 33468
 P: 813-379-4100 | P: 813-379-4100 | P: 561-203-7603
 THE INFORMATION, DESIGN AND CONSTRUCTION OF THIS PLAN AND SPECIFICATIONS SHALL BE USED FOR THE PROJECT AND NOT FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THOMAS ENGINEERING GROUP, LLC. ANY REVISIONS, CHANGES AND ADDITIONS SHALL BE MADE BY THE ORIGINAL DESIGNER.

REVISIONS			
REV.	DATE	COMMENT	BY

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 It's fast. It's free. It's the law.
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PROJECT No.:	F140006
DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-CANOPY

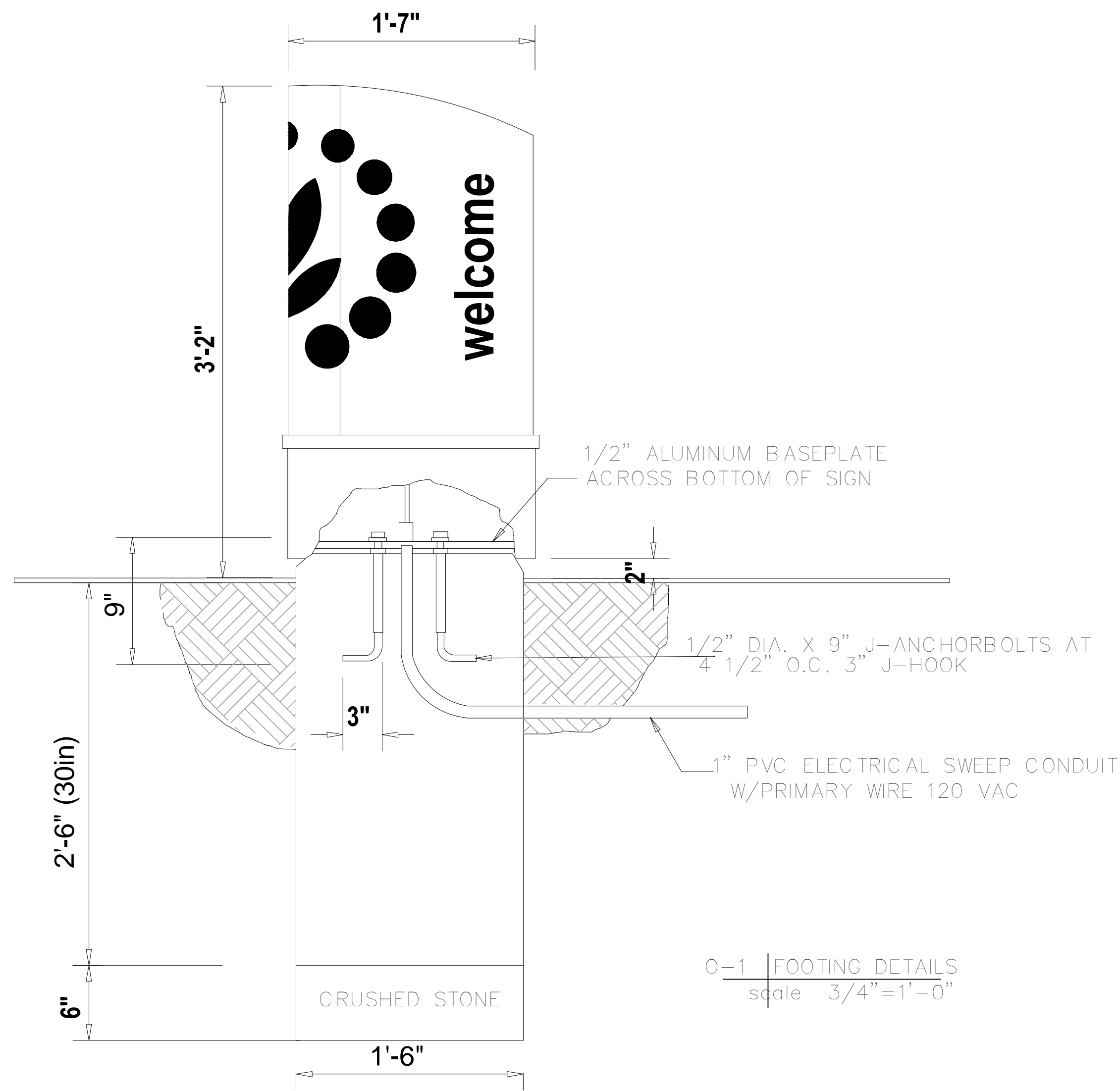
PROJECT:
2009 SOUTH 35TH STREET FORT PIERCE, FL
 FOR
Cumberland FARMS
 FORT PIERCE, FLORIDA

THOMAS ENGINEERING GROUP
 RADICE III
 1000 CORPORATE DRIVE, SUITE 250
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CLAUDINE ALEXANDER
 PROFESSIONAL ENGINEER
 December 22, 2015
 FLORIDA LICENSE NO. 53822
 FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

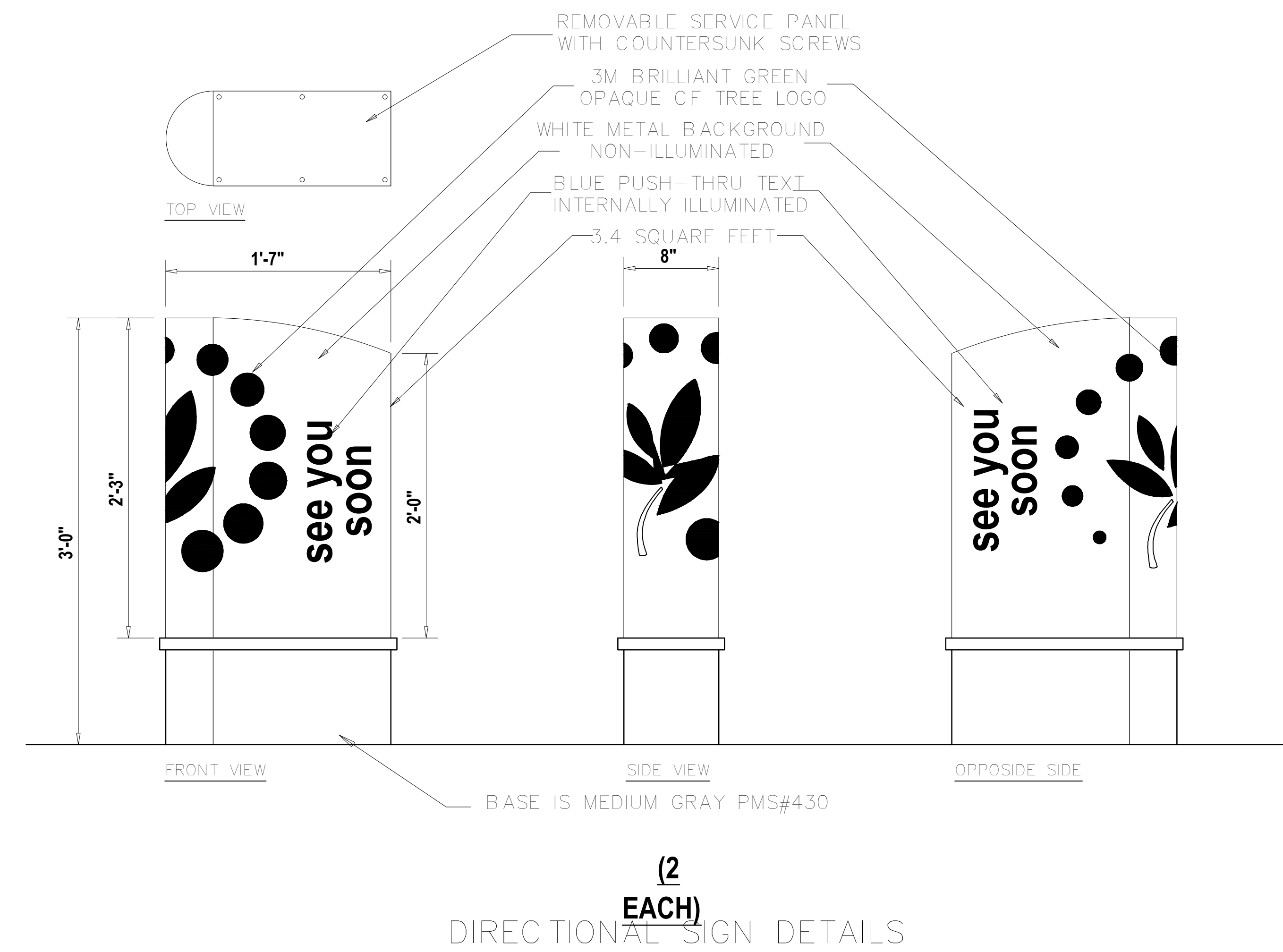
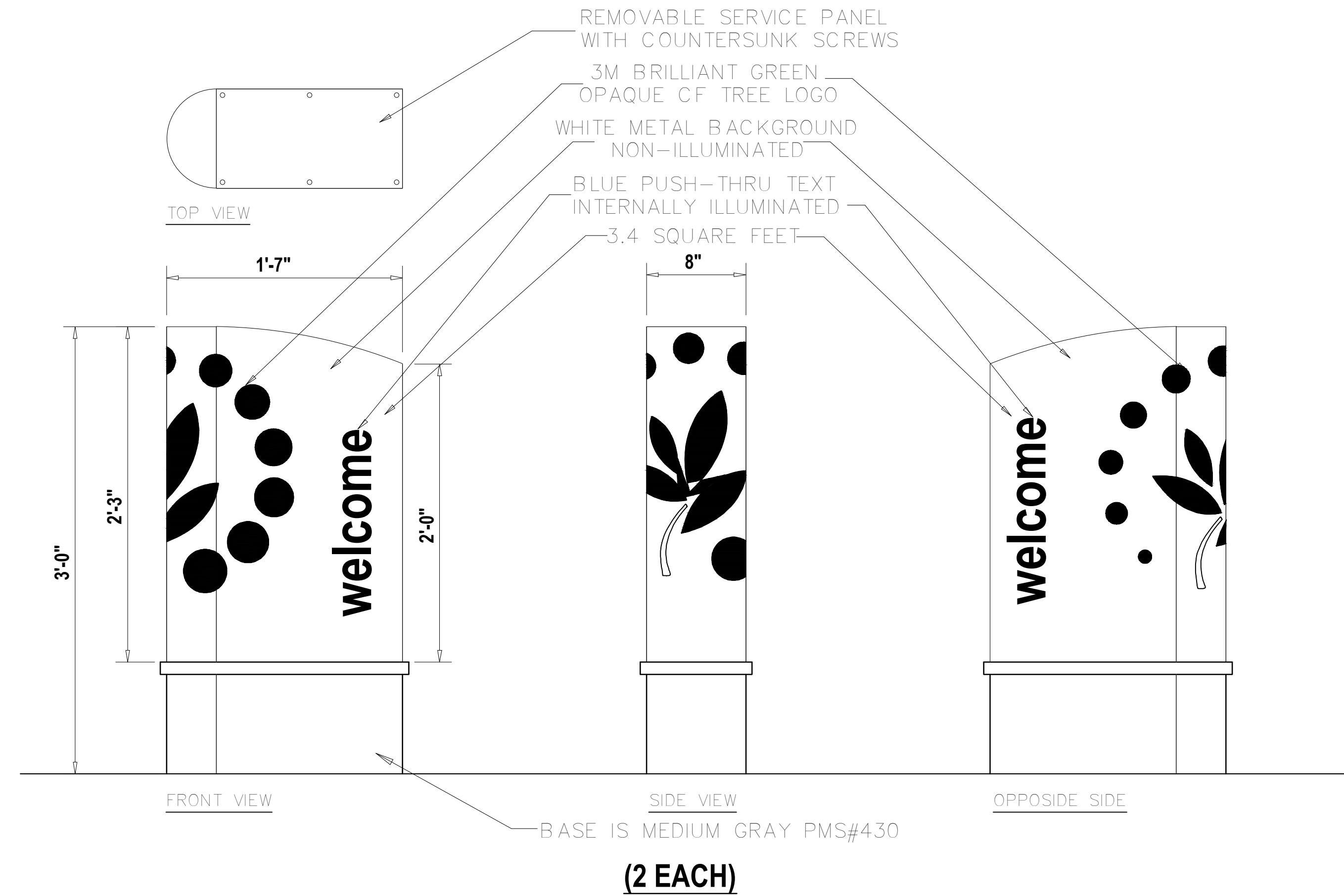
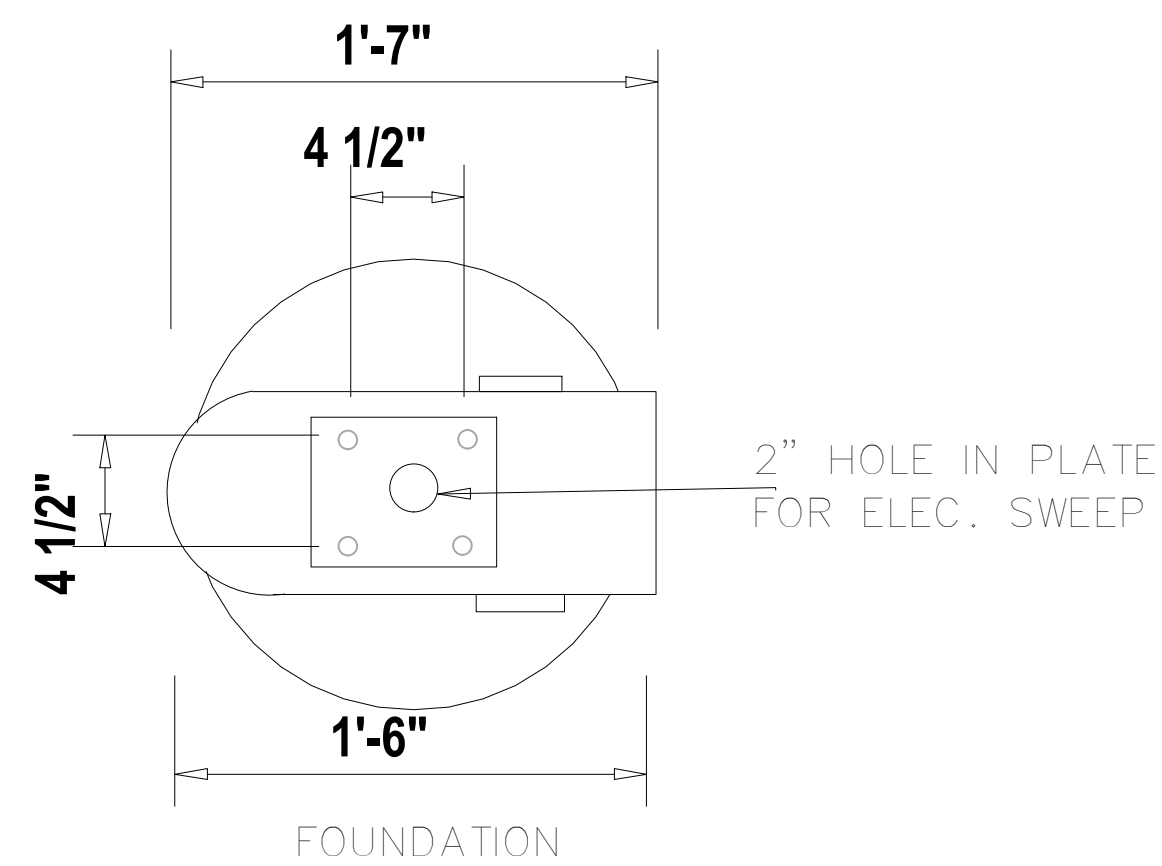
SHEET TITLE:
CANOPY DETAILS
 SHEET NUMBER:
CFG12.1

Printed on: Tuesday, December 22, 2015, 12:19 PM by: Greg Blasing



0-1 FOOTING DETAILS
scale 3/4"=1'-0"

NEW CONCRETE FOOTING



THOMAS
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DRAWN BY:	JFV
CHECKED BY:	MAT
DATE:	12-22-15
CAD I.D.:	F140006-SIGN DETAILS

PROJECT:

2009 SOUTH 35TH STREET FORT PIERCE, FL

FOR

Cumberland FARMS

FORT PIERCE, FLORIDA

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ENGINEERING GROUP

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SHEET TITLE:

SIGN DETAILS

SHEET NUMBER:

CFG13.1

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