## SITE DEVELOPMENT PLANS FOR:

# MARGATE HYBRID CONVENIENCE MARKET

## 2000 N. STATE ROAD NO. 7 MARGATE, FL 33063

PARCEL ID# 4842-30-05-0010

PERMIT	LIST
PERMIT	PERMIT #
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

## LEGAL DESCRIPTION

BROWARD COUNTY, FLORIDA.

## **UTILITY PROVIDERS:**

CITY OF MARGATE

JOHN SHELTON 901 NW 66TH AVENUE, SUITE A MARGATE, FL 33063

STORM WATER

SFWMD 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33406

PHONE: (561) 686-8800

PHONE: (954) 797-5000

**BROWARD COUNTY ENVIRONMENTAL LICENSING** SURFACE WATER MANAGEMENT ASHLEY RESTA

1 NORTH UNIVERSITY DRIVE PLANTATION, FL 33324

WATER CITY OF MARGATE JOHN SHELTON

901 NW 66TH AVENUE, SUITE A MARGATE, FL 33063 PHONE: (954) 797-5000

## FLOOD NOTE

THE PROPERTY SHOWN HEREON APPEARS TO FALL WITHIN FLOOD ZONE "AE", B.F.E.=11'; AS SHOWN ON THE FLOOD INSURANCE RATE MAP, 12011C0165H, MAP REVISED 08/18/2014, NATIONAL FLOOD INSURANCE PROGRAM, FEDERAL EMERGENCY MANAGEMENT AGENCY.

## BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE BASED UPON THE FOLLOWING BENCHMARKS AS SHOWN ON THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFIC PURPOSE SURVEY FOR SECTION 36, TOWNSHIP 48 SOUTH, RANGE 41 EAST, PROJECT No. 416878-1-52-01:



#1 A 3.5" BRASS DISK IN CONCRETE STAMPED 7-86-07-B06 ELEVATION 12.14 FEET NAVD 88.

**ELECTRIC** 

TELEPHONE

NATURAL GAS

FLORIDA POWER AND LIGHT

SHAVONTI ARCHER

AT&T

PHONE: (954) 956-2036

**BRANDON EDMUNDSON** 

TECO PEOPLES GAS COMPANY

702 NORTH FRANKLIN STREET

PHONE: (214) 527-0457

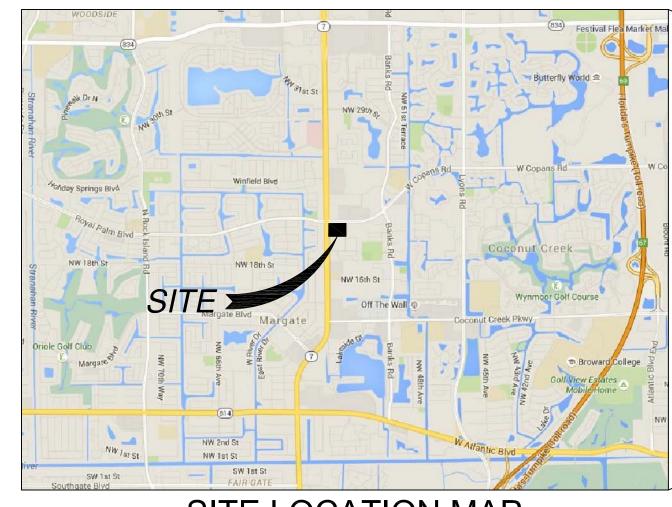
PHONE: (954) 931-9742

PO BOX 2562

TAMPA, FL 33601

#2 SET MAG NAIL ELEVATION 11.51 FEET NAVD 88.

Section 30, Township 48 South, Range 42 East, Broward County, Florida



## SITE LOCATION MAP

NOT TO SCALE

## DIRECTIONS TO PROJECT SITE:

FROM THE FLORIDA TURNPIKE (SR-91) TAKE EXIT 67 COCONUT CREEK PARKWAY WEST 2.3 MILES. TURN NORTH ON US-441 / SR-7 FOR 0.5 MILES. SITE IS ON THE RIGHT AT THE INTERSECTION WITH W. COPANS ROAD.

#### OWNER / DEVELOPER

OWNER: VICJ CORPORATE PLAZA LLC 2000 N. STATE ROAD 7 MARGATE, FL 33063

**DEVELOPER:** TVC MARGATE CO. LLC 5757 W. MAPLE RD., STE 800 W. BLOOMFIELD. MI 48322

SURVEYOR BOWMAN CONSULTING GROUP **KURT STAFLINGER** 4450 W. EAU GALLIE BLVD., STE 232 MELBOURNE, FL 32934 PHONE: (321) 255-5434 FAX: (321) 255-7751

**ARCHITECT CUHACI & PETERSON** NATHAN GRIFFIS 1925 PROSPECT AVE. ORLANDO, FL 32814

CIVIL ENGINEER **BOWMAN CONSULTING GROUP** ANDREW J. PETERSEN PROJECT MANAGER 4450 W. EAU GALLIE BLVD., STE 232 MELBOURNE, FL 32934 PHONE: (321) 255-5434 FAX: (321) 255-7751

LANDSCAPE ARCHITECT JAMES SANTIAGO 612 NE 14TH AVE. FT. LAUDERDALE, FL 33304 PHONE: (305 791-3156

#### LAND USE DATA:

BROWARD COUNTY

> **BUILDING STRUCTURE:** FUTURE LAND USE CLASSIFICATION: ZONING CLASSIFICATION: LOCAL JURISDICTION:

> > **Sheet Number**

1 CONCRETE BLOCK BUILDING, FUEL CANOPY TRANSIT ORIENTED CORRIDOR TRANSIT ORIENTED CORRIDOR - GATEWAY CITY OF MARGATE

#### **GENERAL STATEMENT**

THE PROJECT CONSISTS OF DEMOLITION OF AN EXISTING BUILDING, PARKING LOT AND UTILITIES ON A TOTAL SITE AREA OF 3.6 ACRES. THE PROPOSED IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO THE CONSTRUCTION OF A 5.943 SF CONVENIENCE STORE WITH ASSOCIATED FUEL CANOPY, UTILITIES, AND PARKING.

Sheet Title

#### Sheet List Table

Sheet Number	Officer Title
C0	COVER SHEET
SU-1	SURVEY
SU-2	SURVEY
ES1.0	EROSION CONTROL PLAN
ES2.0	EROSION CONTROL DETAILS
DM1.0	DEMOLITION PLAN
C1.0	SITE PLAN
C2.0	PAVING, GRADING & DRAINAGE PLAN
C3.0	UTILITY PLAN
C4.0	DRAINAGE PROFILES & SECTIONS
D1.0	STANDARD SITE DETAILS
D2.0	STANDARD GENERAL DETAILS
D3.0	WATER DETAILS
D4.0	SEWER DETAILS
D5.0	FDOT DETAILS
D6.0	FDOT DETAILS
D7.0	FDOT DETAILS
D8.0	MAINTENANCE OF TRAFFIC DETAILS
L-1	LANDSCAPE PLAN
L-2	LANDSCAPE DETAILS
TD-1	TREE DISPOSITION PLAN
TD-2	TREE DISPOSITION LEGEND
IR-1	IRRIGATION PLAN
IR-2	IRRIGATION DETAILS





/ER SHE ) CONVE TATE RO

HYBRID 2000 MAI MARGATE

LICENSE LICENSE No. 75493 NONAL ENGINEER ANDREW J. PETERSEN LICENSE NO. 75493 01/12/2016 PLAN STATUS

DESCRIPTION EC AJP DESIGN DRAWN CHKD

NONE JOB No. **010032-01-01**2

DATE December, 2015 FILE 010032-01-D-CP-012-01-COV

C<sub>0</sub>

- 1. THIS IS A BOUNDARY AND TOPOGRAPHIC SURVEY AS DEFINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE. SAID SURVEY MEETS THE "MINIMUM TECHNICAL STANDARDS" FOR SURVEYING AND MAPPING, AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
- 2. THE TOPOGRAPHIC INFORMATION IS BASED UPON A GROUND SURVEY PERFORMED IN JUNE 2015. THE CONTOUR INTERVAL IS ONE FOOT.
- 3. THE BOUNDARY SURVEY SHOWN HEREON WAS PREPARED UTILIZING THE DESCRIPTION AS CONTAINED WITHIN THE TITLE COMMITMENT PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ORDER No. 5190137, EFFECTIVE DATE: MARCH 10, 2015 AT 5:00 PM.
- 4. THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN DATUM 1983, 2011 ADJUSTMENT, FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE. THIS REFERENCE WAS ESTABLISHED BY USING TOPCON GR5 RECEIVERS WITH THE TRIMBLE VRN (VIRTUAL REFERENCE NETWORK) AND TIED TO THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) NETWORK CONTROL FOR STATE ROAD 7 AS DEPICTED ON A SPECIFIC PURPOSE SURVEY, FDOT PROJECT ID 230012-1-32-04. MORE PARTICULARLY THE SOUTH LINE OF THE SUBJECT PARCEL BEARS SOUTH 89°32'02" WEST AS SHOWN. THE CONTROL POINTS USED TO ESTABLISH THIS REFERENCE WERE:
  - a. BLC 33, A 3.5" BRASS DISK IN CONCRETE MONUMENT NORTHING = 698,179.13, EASTING = 917,803.66 US SURVEY FEET.
  - b. BLC 34, A 3.5" BRASS DISK IN CONCRETE MONUMENT NORTHING = 699,165.98, EASTING = 917,950.64 US SURVEY FEET.
- 5. THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE BASED UPON THE FOLLOWING BENCHMARK AS SHOWN ON THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFIC PURPOSE SURVEY FOR SECTION 36, TOWNSHIP 48 SOUTH, RANGE 41 EAST, PROJECT No. 416878-1-52-01:
- A 3.5" BRASS DISK IN CONCRETE STAMPED 7-86-07-B06 HAVING A PUBLISHED ELEVATION OF 12.14 FEET NAVD 88.
- 6. THIS SURVEY WAS PERFORMED UTILIZING G.P.S.—R.T.K. PROCEDURES AND TRADITIONAL SURVEY PROCEDURES WITH REDUNDANT MEASUREMENTS, AND HAS A HORIZONTAL AND VERTICAL POSITIONAL TOLERANCE OF 0.10 FEET.
- 7. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMALS THEREOF AND ARE CALCULATED UNLESS OTHERWISE NOTED.
- 8. THE LANDS BOUND BY THIS SURVEY ARE LOCATED WITHIN AN AREA HAVING A FLOOD ZONE DESIGNATION "AE BASE FLOOD ELEVATION 11" BY THE FEDERAL MANAGEMENT AGENCY (FEMA) ON FLOOD INSURANCE RATE MAP NUMBER 12011C0165H, DATED AUGUST 18, 2014 AND IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY THIS PARCEL IS SITUATED.
- 9. THE EXPECTED USE OF THE LAND BOUND BY THIS SURVEY, AS CLASSIFIED IN THE "MINIMUM TECHNICAL STANDARDS" IS "COMMERCIAL" WITH THE MINIMUM LINEAR CLOSURE FOR THIS TYPE OF BOUNDARY SURVEY TO BE 1 FOOT IN 10,000 FEET (1:10,000). THE ACCURACY OBTAINED BY MEASUREMENT, OBSERVATION AND CALCULATION OF THE CLOSED GEOMETRIC FIGURE FOR THIS SURVEY WAS DETERMINED TO MEET SAID REQUIREMENT.
- 10. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- 11. ADDITIONS OR DELETIONS TO THIS SURVEY MAP OR REPORT BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

#### ABBREVIATIONS

A/C = AIR CONDITIONINGBFP = BACKFLOW PREVENTER CO = CLEAN OUTCONC = CONCRETECBS = CONCRETE BLOCK STRUCTURE CM = CONCRETE MONUMENT CMP = CORRUGATED METAL PIPE CPP = CONCRETE POWER POLE DIP = DUCTILE IRON PIPE EHH = ELECTRIC HAND HOLE ELEC = ELECTRIC ELEV = ELEVATIONEO = ELECTRICAL OUTLET ET = ELECTRICAL TRANSFORMER EX = EXISTINGFDOT = FLORIDA DEPARTMENT OF TRANSPORTATION FDC = FIRE DEPARTMENT CONNECTOR FH = FIRE HYDRANTFM = FORCE MAINFOC = FIBER OPTIC CONDUIT GA = GUY ANCHORGEN = GENERATORHDPE = HIGH DENSITY POLYETHYLENE PIPE ICV = IRRIGATION CONTROL VALVE INV = INVERTLB = LICENSED BUSINESS LP = LIGHT POLE (M) = MEASURED DISTANCE NAD = NORTH AMERICAN DATUM NAVD = NORTH AMERICAN VERTICAL DATUM ORB = OFFICIAL RECORDS BOOK

OU = OVERHEAD UTILITY
(P) = PLAT DISTANCE
PB = PLAT BOOK
PG = PAGE
P.O.B. = POINT OF BEGIN
P.O.C. = POINT OF COMM

WM = WATER METER

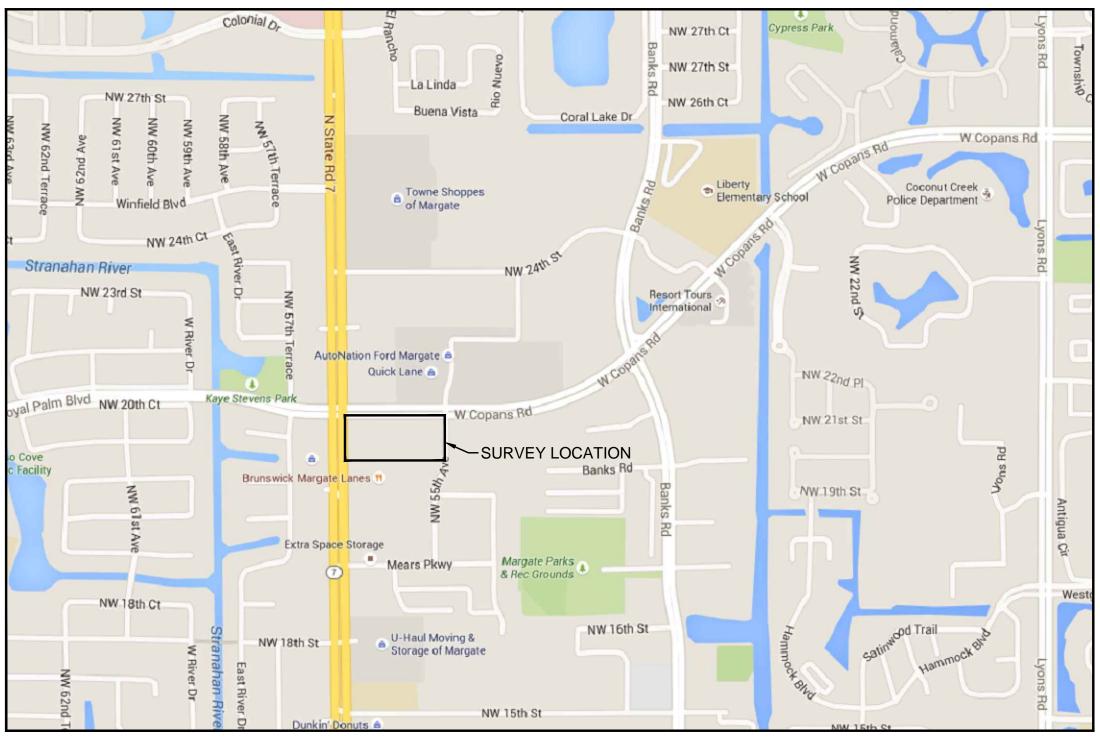
WV = WATER VALVE WPP = WOOD POWER POLE

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
PVC = POLYVINYL CHLORIDE PIPE
PRM = PERMANENT REFERENCE MONUMENT
(R) = RECORD DISTANCE
RCP = REINFORCED CONCRETE PIPE
R/W = RIGHT OF WAY
SR = STATE ROAD
SWK = SIDEWALK
TYP = TYPICAL

LEGEND

——— X ——— FENCE LINE

→ SIGN TRAFFIC SIGNAL HAND HOLE ☐ FIBER OPTIC PULL BOX **E ELECTRICAL CABINET** Ø POWER POLE □ LIGHT POLE WATER VALVE □ WATER METER FIRE HYDRANT S SANITARY MANHOLE CLEAN OUT IRRIGATION CONTROL VALVE BOLLARD ■ TRAFFIC SIGNAL POLE IRF IRON ROD FOUND IPF● IRON PIPE FOUND MON ■ MONUMENT ◆ BENCHMARK R/W RIGHT OF WAY ----- W ----- WATER LINE



VICINITY MAP

NOT TO SCALE

TITLE COMMITMENT
FIDELITY NATIONAL TITLE INSURANCE COMPANY
ORDER NO.: 5190137
CUSTOMER REFERENCE: 59580—MARGATE
EFFECTIVE DATE: MARCH 10, 2015 AT 5:00 PM

#### LEGAL DESCRIPTION

TRACT A, OF MARGATE DISTRICT HEADQUARTERS, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 88, PAGE 14 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

#### SCHEDULE B SECTION II EXCEPTIONS

(a) THE FOLLOWING ITEMS OF THE SPECIAL EXCEPTIONS PERTAIN TO THE SURVEYED PROPERTY HOWEVER, ARE NOT SURVEY MATTERS: ITEMS 1 AND 2

(b) THE FOLLOWING ITEMS OF THE SPECIAL EXCEPTIONS ARE SURVEY RELATED MATTERS, PERTAIN TO THE SURVEYED PROPERTY AND ARE SHOWN ON THE SURVEY UNLESS OTHERWISE EXPLAINED AS TO HOW THEY AFFECT THE SURVEYED PROPERTY:

- 3. STANDARD EXCEPTIONS:
- A. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. (A LIFT STATION AND ELECTRICAL CABINET NEAR THE NORTHWEST CORNER OF THE SITE MAY BE EVIDENCE OF USE BY OTHERS OTHERWISE NO VISIBLE ENCROACHMENTS WERE OBSERVED)
- B. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS.
- C. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIALS HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.
- D. TAXES OR ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS IN THE PUBLIC RECORDS.
- 4. EASEMENT IN FAVOR OF FLORIDA POWER & LIGHT COMPANY, RECORDED JUNE 22, 1971 IN OFFICIAL RECORDS BOOK 4532, PAGE 26, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (AFFECTS THE SUBJECT PARCEL AS SHOWN IN ITS APPROXIMATE LOCATION. THE EASEMENT DOCUMENT DOES NOT FURNISH SPECIFIC DIRECTION AND REFERENCES AN EXISTING BUILDING WHICH APPEARS TO DEMOLISHED IN ORDER TO FACILITATE THE CONSTRUCTION OF THE CURRENT BUILDING).
- 5. EASEMENTS AND MATTERS AS SET FORTH, SHOWN OR REFLECTED ON THE PLAT OF MARGATE DISTRICT HEADQUARTERS, RECORDED IN PLAT BOOK 88, PAGE 14, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (AFFECTS THE SUBJECT PARCEL AS SHOWN)
- 6. LEASE BY AND BETWEEN RLC, LTD., A FLORIDA LIMITED PARTNERSHIP, AS LANDLORD AND PRECISION RESPONSE CORPORATION, AS TENANT, A SHORT FORM OF WHICH WAS RECORDED AUGUST 16, 1996 IN OFFICIAL RECORDS BOOK 25279, PAGE 748, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (NOT A SURVEY ISSUE, NO COMMENT)
- 7. UNRECORDED LEASE BY AND BETWEEN VICJ CORPORATE PLAZA, LLC, AS LANDLORD AND UNITED STATES VAN LINES RELOCATION DIVISION,INC., AS TENANT, DATED JULY 7, 2010 AND EVIDENCED BY THAT SUBORDINATION OF LEASE RECORDED JULY 29, 2010 IN OFFICIAL RECORDS BOOK 47265, PAGE 1663, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (NOT A SURVEY ISSUE, NO COMMENT)
- 8. UNRECORDED LEASE BY AND BETWEEN VICJ CORPORATE PLAZA, LLC, AS LANDLORD AND NATIONWIDE RELOCATION SERVICES, INC., AS TENANT, DATED JULY 7, 2010, AS EVIDENCED BY THAT SUBORDINATION AGREEMENT RECORDED JULY 29, 2010 IN OFFICIAL RECORDS BOOK 47265, PAGE 1668, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (NOT A SURVEY ISSUE, NO COMMENT)
- 9. MARGATE COMMUNITY REDEVELOPMENT AGENCY LANDSCAPE UPGRADE MATCHING GRANT PROGRAM AGREEMENT FOR REIMBURSEMENT, RECORDED MARCH 29, 2012 IN OFFICIAL RECORDS BOOK 48622, PAGE 1780, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. (AFFECTS THE SUBJECT PARCEL, NOT A SURVEY ISSUE, NO COMMENT)
- 10. MARGATE COMMUNITY REDEVELOPMENT AGENCY COMMERCIAL FACADEIMPROVEMENT MATCHING GRANT PROGRAM AGREEMENT FOR ARCHITECTURAL SERVICES AND CONSTRUCTION REIMBURSEMENT RECORDED MARCH 29, 2012 IN OFFICIAL RECORDS BOOK 48622, PAGE 1776, PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA (AFFECTS THE SUBJECT PARCEL, NOT A SURVEY ISSUE, NO COMMENT)

#### LEGAL DESCRIPTION (BY SURVEYOR)

TRACT A, MARGATE DISTRICT HEADQUARTERS, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 88, PAGE 14, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHEAST CORNER OF SAID TRACT A; THENCE SOUTH 01°10'00" EAST ALONG THE EAST LINE OF SAID TRACT A AND THE WEST RIGHT OF WAY LINE OF N.W. 55TH AVENUE, FOR A DISTANCE OF 250.00 FEET TO THE SOUTH LINE OF SAID TRACT A;

THENCE SOUTH 89'32'02" WEST, ALONG SAID SOUTH LINE, FOR A DISTANCE OF 630.20 FEET TO THE WEST LINE OF SAID TRACT A AND THE EAST RIGHT OF WAY LINE OF STATE ROAD NO. 7;

THENCE NORTH 01'00'34" WEST, ALONG SAID WEST LINE OF SAID TRACT A AND THE EAST RIGHT OF WAY LINE OF STATE ROAD NO. 7, FOR A DISTANCE OF 250.18 FEET TO THE NORTH LINE OF SAID TRACT A AND THE SOUTH RIGHT OF WAY LINE OF COPANS ROAD:

THENCE NORTH 89°33'02" EAST, ALONG SAID NORTH LINE OF TRACT A AND SOUTH RIGHT OF WAY LINE OF COPANS ROAD, FOR A DISTANCE OF 629.52 FEET TO THE POINT OF BEGINNING.

#### SURVEYOR'S CERTIFICATION:

CONTAINING 3.62 ACRES MORE OR LESS.

TO: TVC MARGATE CO., L.L.C.
THE PRIVATEBANK AND TRUST COMPANY
GRAYROBINSON, PA
FIDELLITY NATIONAL TITLE INSURANCE COMPANY
WAWA FLORIDA LLC.

SAUL EWING LLP

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 ITEMS 1, 2, 3, 4, 5, 6b, 7a, 8, 9, 11a, 13, 14, 16, 17, 18, AND 20a OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JUNE 12, 2015.

I CERTIFY THAT THIS "BOUNDARY AND TOPOGRAPHIC SURVEY" MEETS THE STANDARDS OF PRACTICE SET FORTH IN RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE.

KURT STAFFLINGER
FLORIDA SURVEYOR AND MAPPER
REGISTRATION No. 5496
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

BOWMAN CONSULTING GROUP, LTD., INC. FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER LB 8030 (LB 8030 = LICENSED BUSINESS NUMBER 8030) BCT 1 N S N o S

Melbourne, FL 32934
Phone: (321) 255-5434
Fax: (321) 255-7751
www.bowmanconsulting.com
© Bowman Consulting Group, Lt

MARKET
AD NO. 7
OUNTY, FLORIDA

MARGATE NVENIENC 2000 N. STATE

PROJECT NO

8536-01-001

PLAN STATUS
11/20/15 ADDED TREES
12/9/15 REV. CERTIFICATIONS
ADDED LEGAL

DATE DESCRIPTION

RT KS

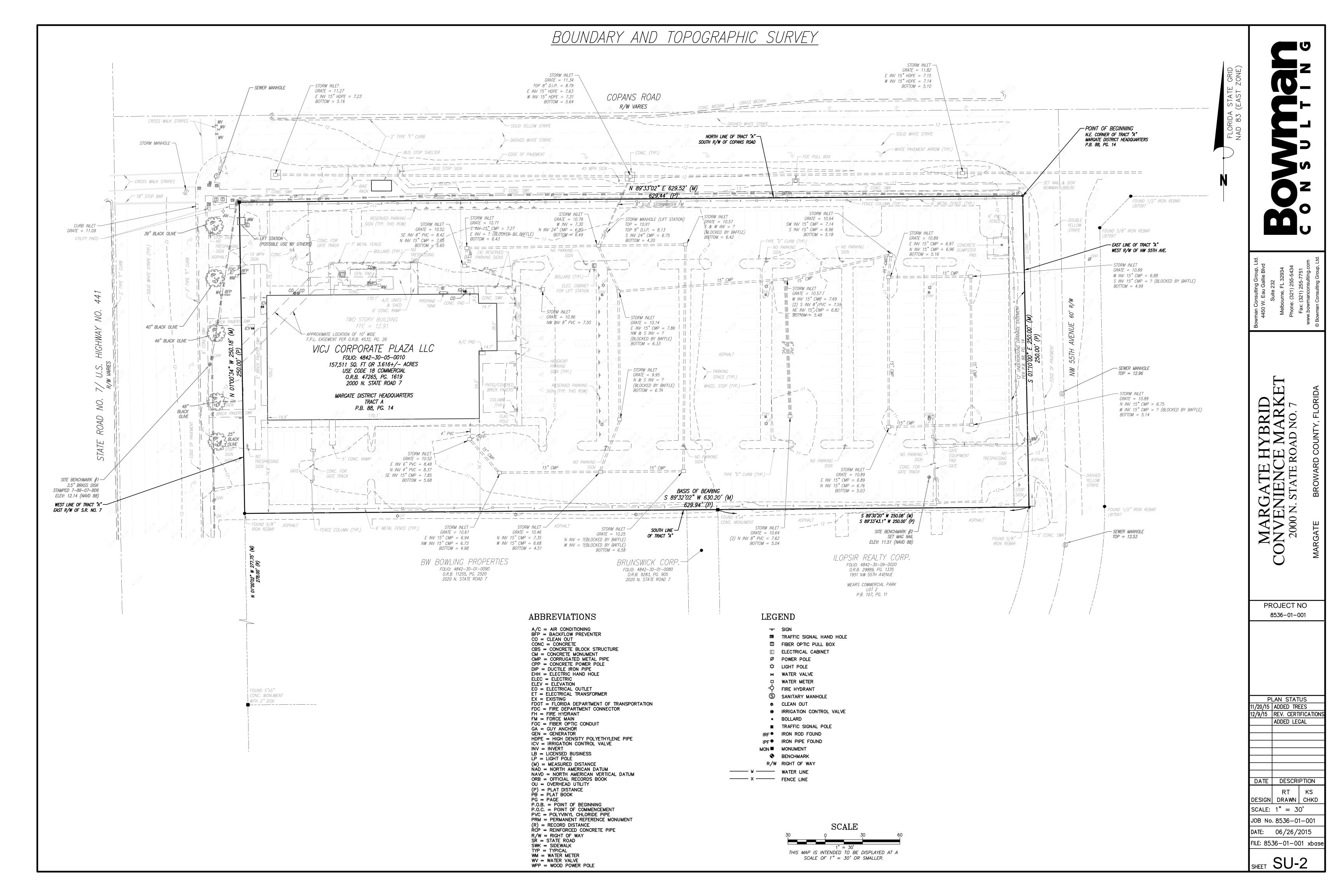
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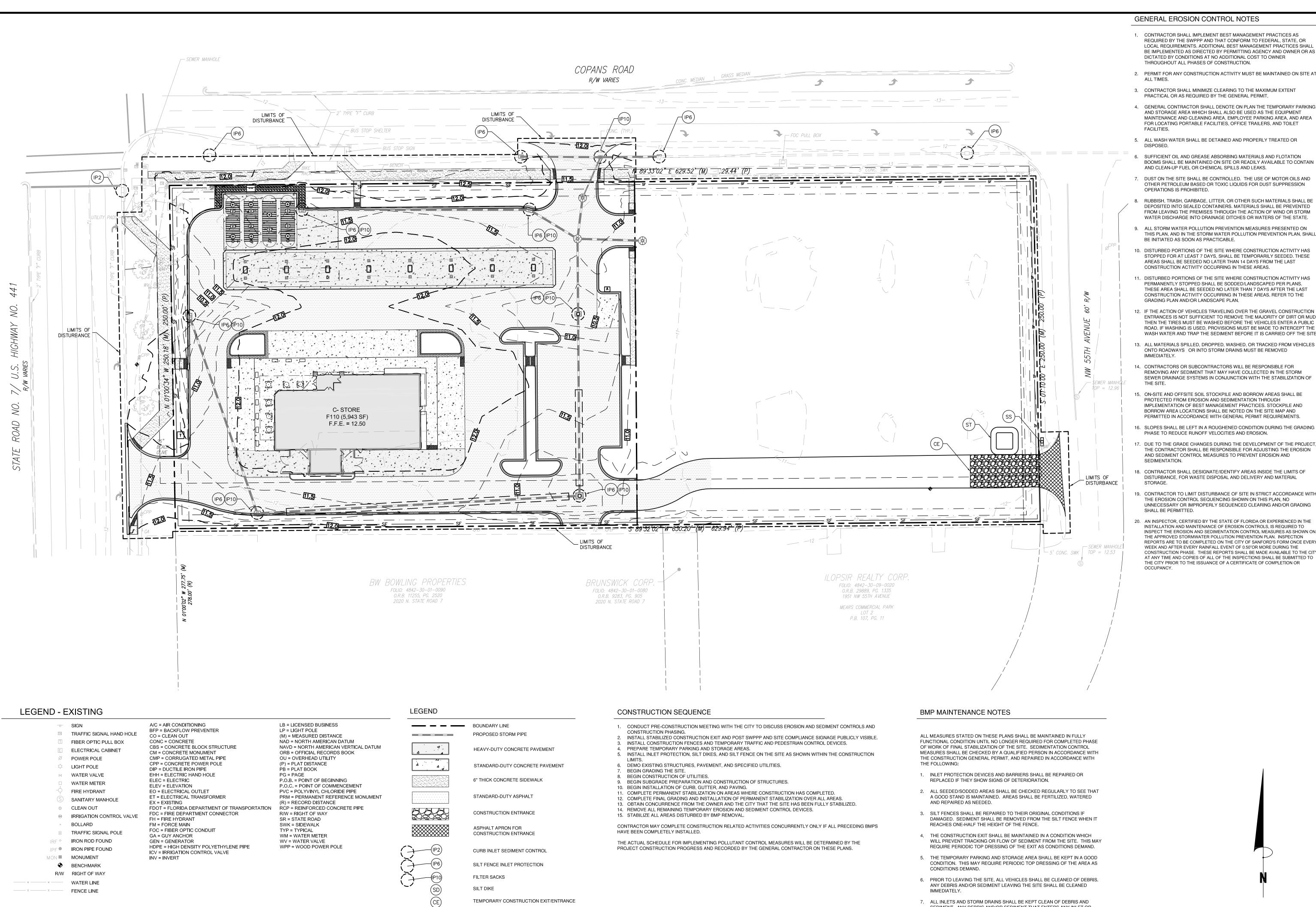
SCALE: NONE

JOB No. 8536-01-001

DATE: 06/26/2015 FILE: 8536-01-001 xbas

SU-1





TEMPORARY SEDIMENT TRAP

TEMPORARY SILT FENCE LIMITS OF DISTURBANCE GENERAL EROSION CONTROL NOTES

- 1. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP AND THAT CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- 2. PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- 3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- 4. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- 5. ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR
- 6. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- 7. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION
- 8. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALI BE INITIATED AS SOON AS PRACTICABLE.
- 10. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 7 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- 11. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SODDED/LANDSCAPED PER PLANS. THESE AREA SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- 12. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD, IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE
- 13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 14. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF
- 15. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- . DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND
- 18. CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL
- 19. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO SHALL BE PERMITTED.
- 20. AN INSPECTOR, CERTIFIED BY THE STATE OF FLORIDA OR EXPERIENCED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROLS. IS REQUIRED TO INSPECT THE EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN. INSPECTION REPORTS ARE TO BE COMPLETED ON THE CITY OF SANFORD'S FORM ONCE EVERY WEEK AND AFTER EVERY RAINFALL EVENT OF 0.50"OR MORE DURING THE CONSTRUCTION PHASE. THESE REPORTS SHALL BE MADE AVAILABLE TO THE CITY AT ANY TIME AND COPIES OF ALL OF THE INSPECTIONS SHALL BE SUBMITTED TO THE CITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLETION OR OCCUPANCY.

SEDIMENT. ANY DEBRIS AND/OR SEDIMENT THAT ENTERS ANY INLET OR STORM DRAIN SHALL BE CLEANED IMMEDIATELY. FLUSHING SHALL NOT BE USED TO CLEAN DEBRIS AND/OR SEDIMENT FROM STORM DRAINS.

MARKE<sup>-</sup>

ENCE Ш HYBRID

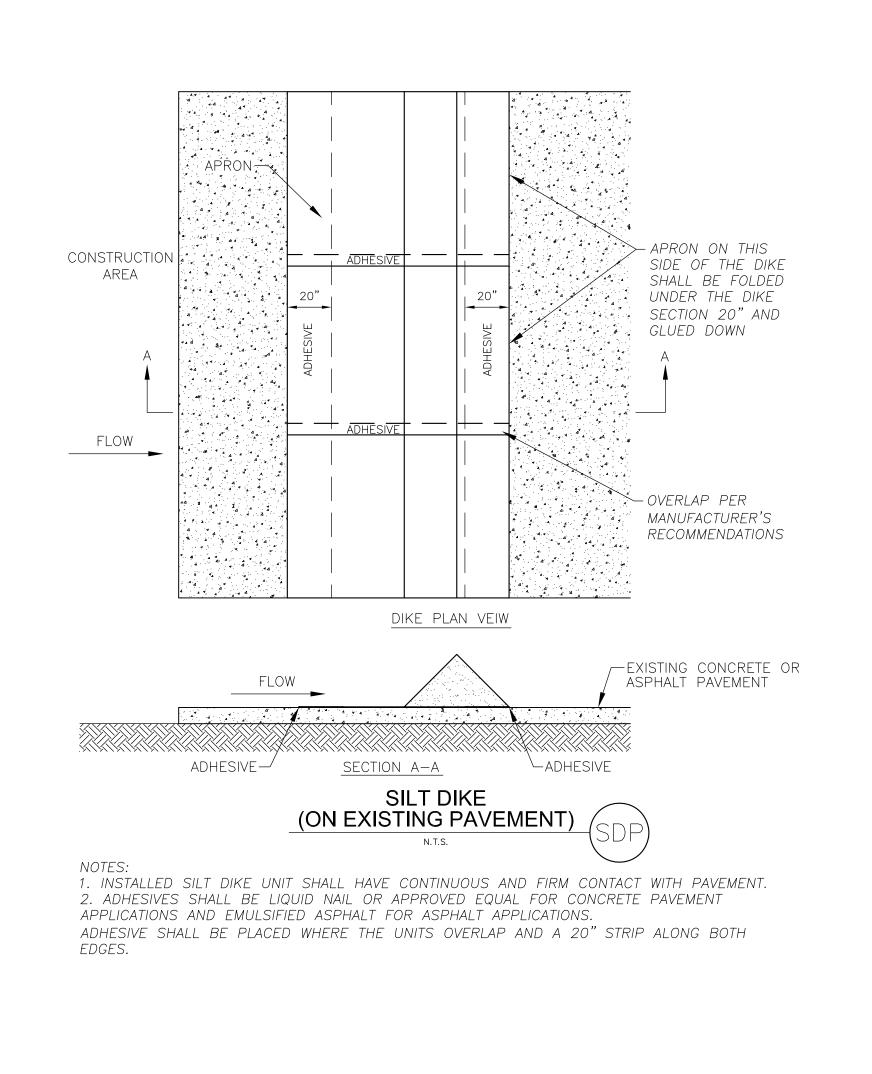
STATE OF

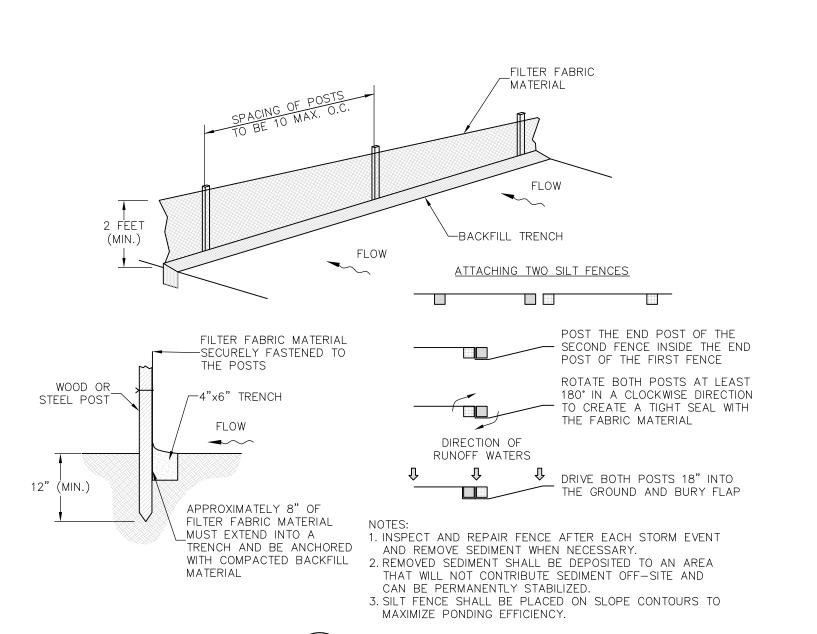
ANDREW J. PETERSEN LICENSE NO. 75493 01/26/2016 PLAN STATUS

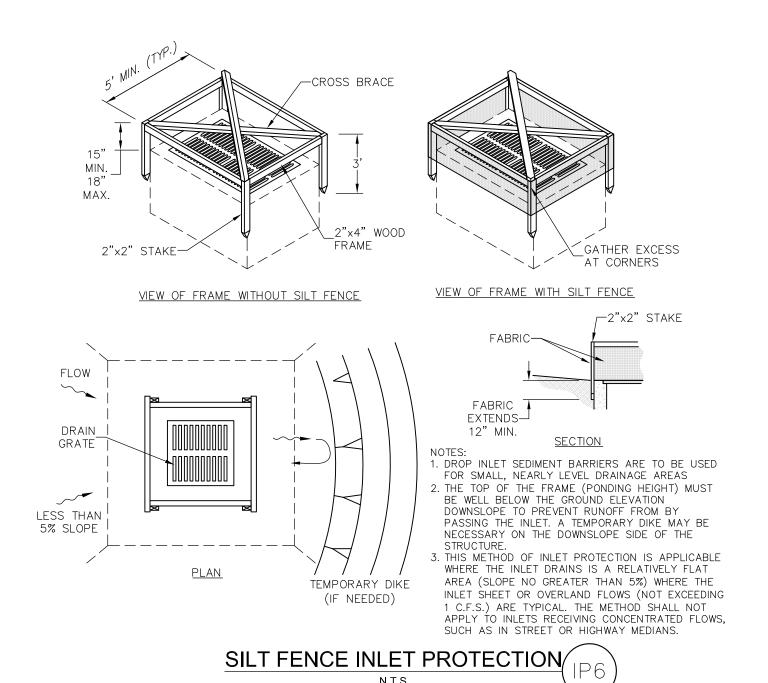
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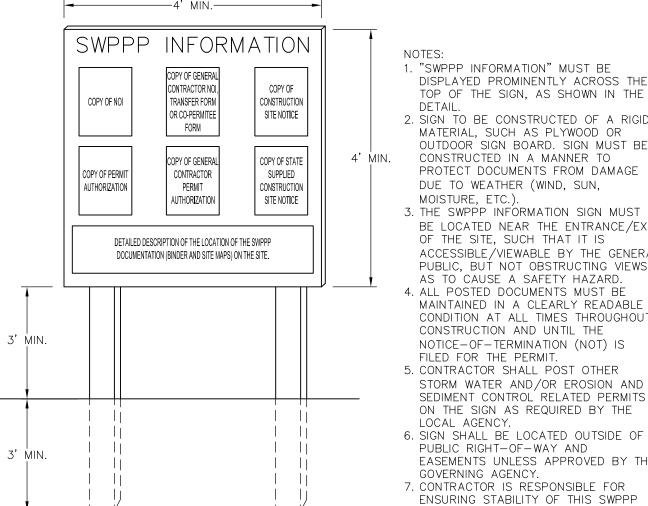
NONE JOB No. **010032-01-01** DATE January, 2016

FILE 010032-01-D-CP-012-03-









1. "SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE

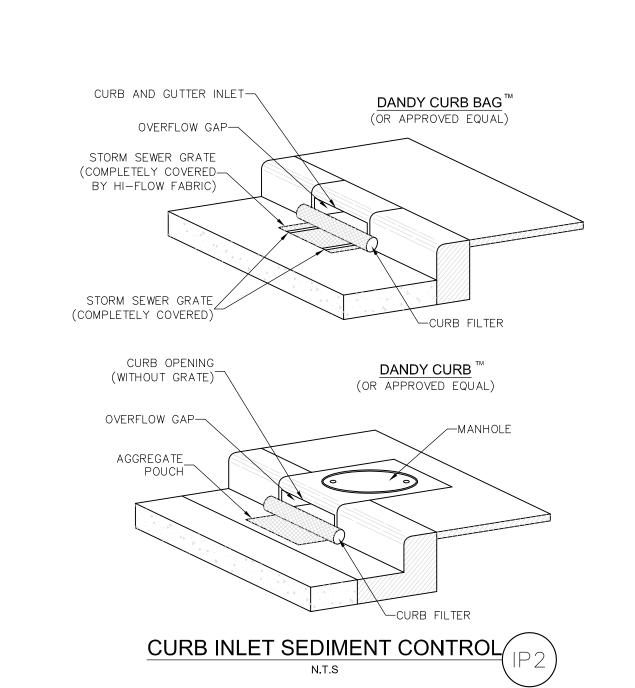
2. SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).

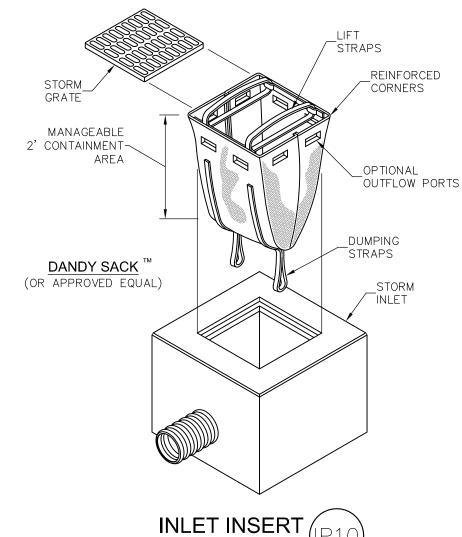
3. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE/EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE/VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD. 4. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE

CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT. 5. CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND

LOCAL AGENCY. 6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY. 7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THIS SWPPP

### INFORMATION SIGN. SWPPP INFORMATION SIGN/





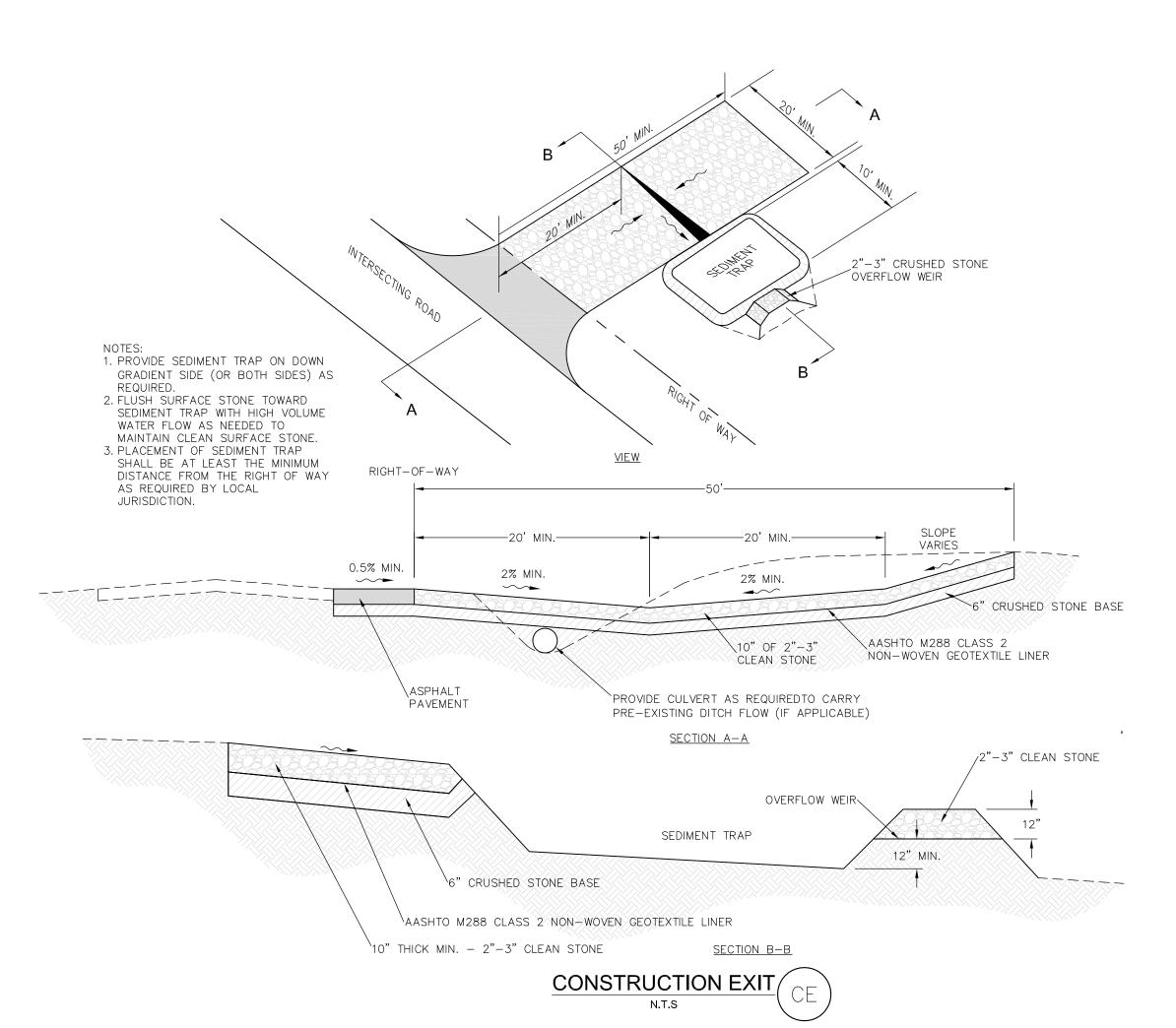
	LOW TO MODERATE FLOW (	GEOTEXTILE FABRIC S	SPECIFICATION TABLE
	PROPERTIES	TEST METHOD	UNITS
TS	GRAB TENSILE STRENGTH GRAB TENSILE ELONGATION PUNCTURE MULLEN BURST TRAPEZOID TEAR UV RESISTANCE APPARENT OPENING SIZE FLOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4355 ASTM D-4751 ASTM D-4491 ASTM D-4491	300 LBS 20 % 120 LBS 800 PSI 120 LBS 80 % 40 US SIEVE 40 GAL/MIN/SQ FT 0.55 SEC -1
	MODERATE TO HIGH FLOW	GEOTEXTILE FABRIC	SPECIFICATION TABLE
	PROPERTIES	TEST METHOD	UNITS
	GRAB TENSILE STRENGTH GRAB TENSILE ELONGATION PUNCTURE MULLEN BURST TRAPEZOID TEAR UV RESISTANCE APPARENT OPENING SIZE FLOW RATE PERMITTIVITY	ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-3786 ASTM D-4533 ASTM D-4355 ASTM D-4751 ASTM D-4491 ASTM D-4491	265 LBS 20 % 135 LBS 420 PSI 45 LBS 90 % 20 US SIEVE 200 GAL/MIN/SQ FT 1.5 SEC -1

1. FOR TEMPORARY USE TO CAPTURE LARGER DIAMETER SEDIMENTS.

NOT TO BE UTILIZED AS THE ONLY SEDIMENT CONTAINMENT SYSTEM 2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEED REQUIREMENTS IN THE SPECIFICATIONS TABLE.

3. AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.

4. INSPECT PER REGULATORY REQUIREMENTS.



CONVENIENCE I TATE ROAD NO. 7 EROSION CC TE HYBRID ( 2000 STA MARGA

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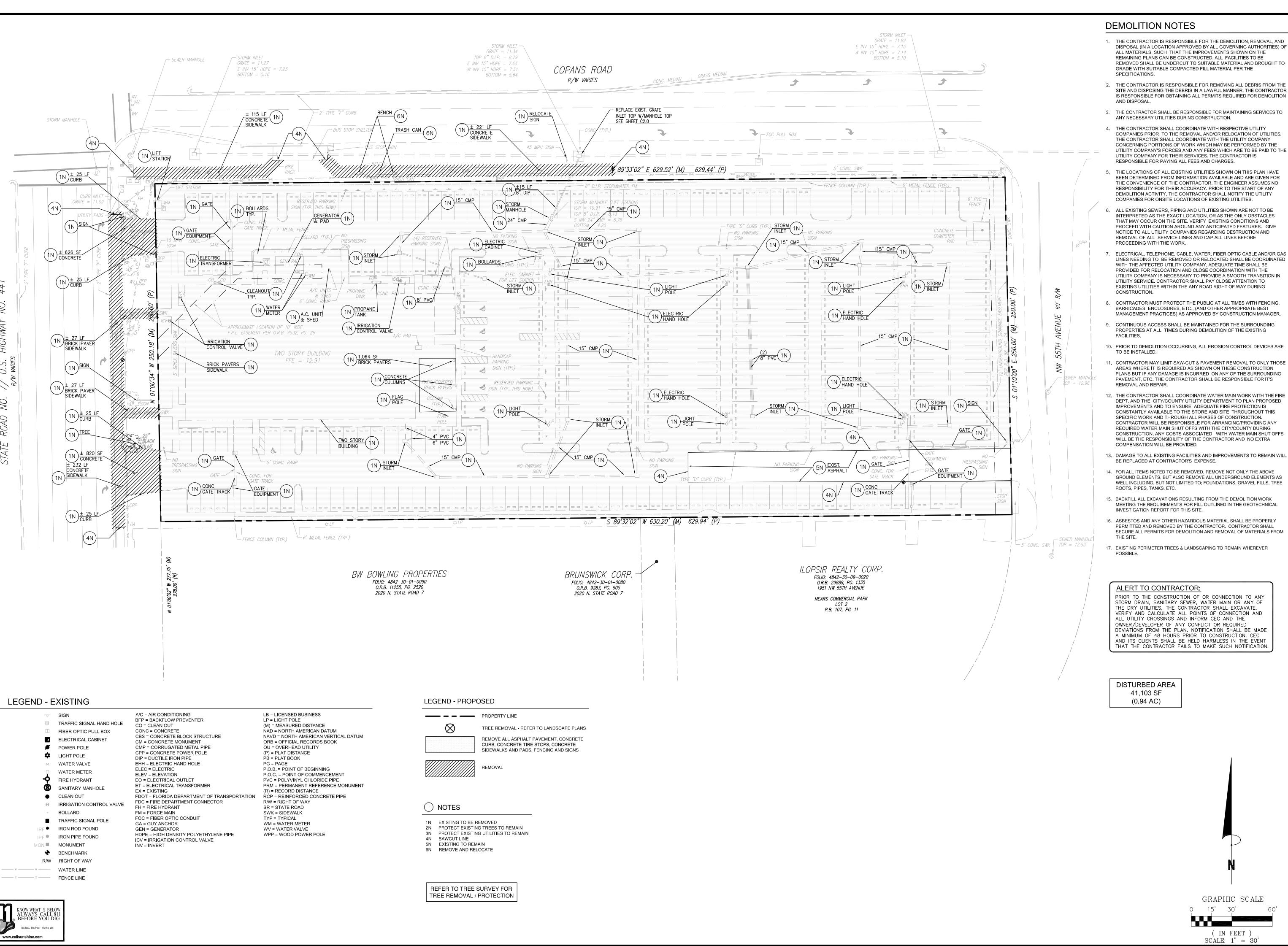
ANDREW J. PETERSEN LICENSE NO. 75493 12/11/2015 PLAN STATUS

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DESIGN DRAWN CHKD NONE JOB No. **010032-01-01**2

DATE December, 2015 FILE 010032-01-D-CP-012-03-E

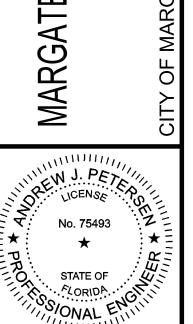
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- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL MATERIALS, SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICES TO
- 4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY
- ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE
- LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING
- BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY CONSTRUCTION MANAGER.
- O. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING
- 10. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE
- 11. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S
- DEPT. AND THE CITY/COUNTY UTILITY DEPARTMENT TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE STORE AND SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY/COUNTY DURING CONSTRUCTION, ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA
- WELL INCLUDING, BUT NOT LIMITED TO, FOUNDATIONS, GRAVEL FILLS, TREE 15. BACKFILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK
- MEETING THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS SITE.
- 16. ASBESTOS AND ANY OTHER HAZARDOUS MATERIAL SHALL BE PROPERLY PERMITTED AND REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL SECURE ALL PERMITS FOR DEMOLITION AND REMOVAL OF MATERIALS FROM

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEC AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEC AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

( IN FEET )



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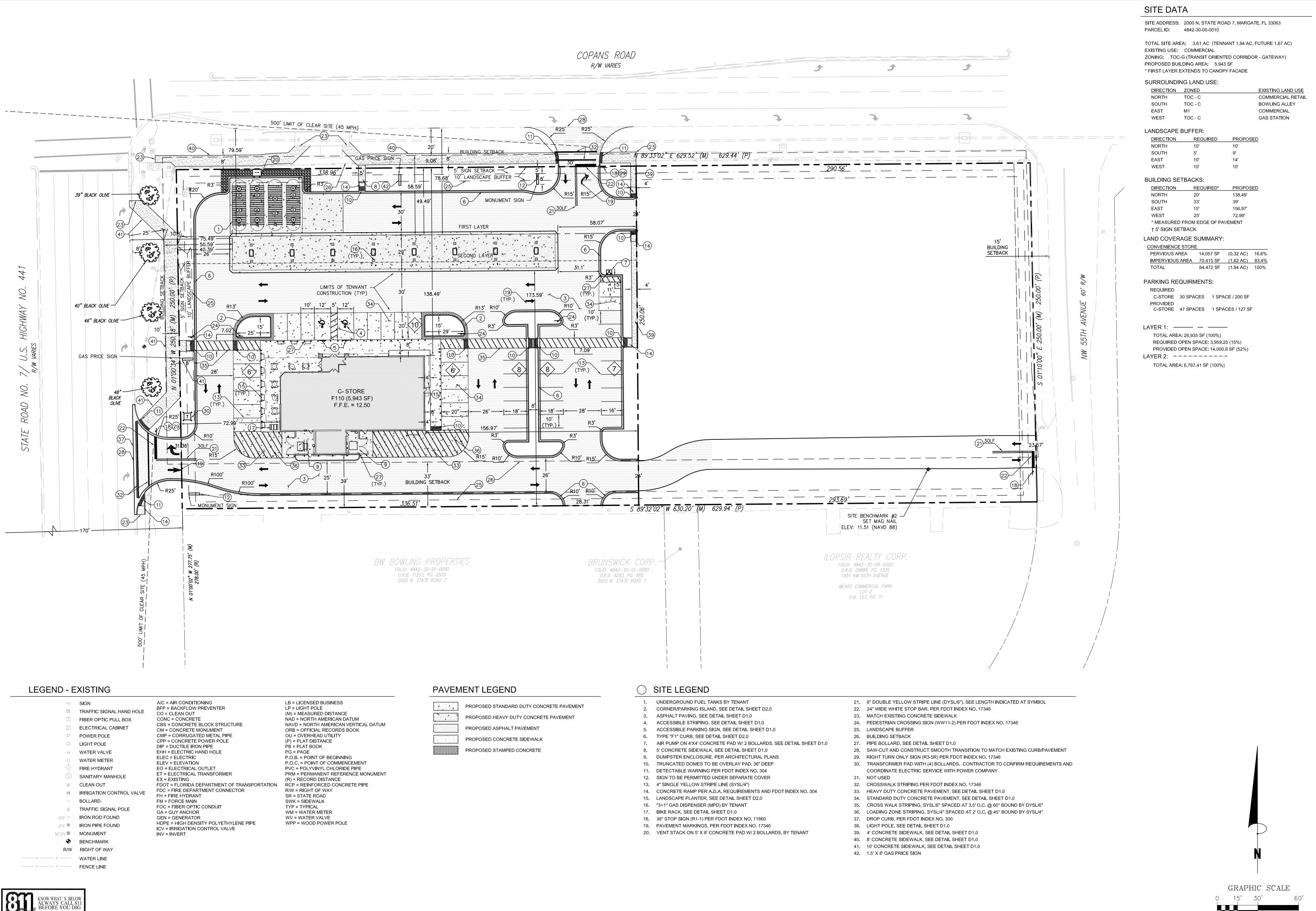
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ANDREW J. PETERSEN LICENSE NO. 75493 01/12/2016 PLAN STATUS

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SCALE 1" = 30'JOB No. **010032-01-01**2 DATE January, 2016

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ANDREW J. PETERSEN LICENSE NO. 75493 01/26/2016

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PLAN STATUS

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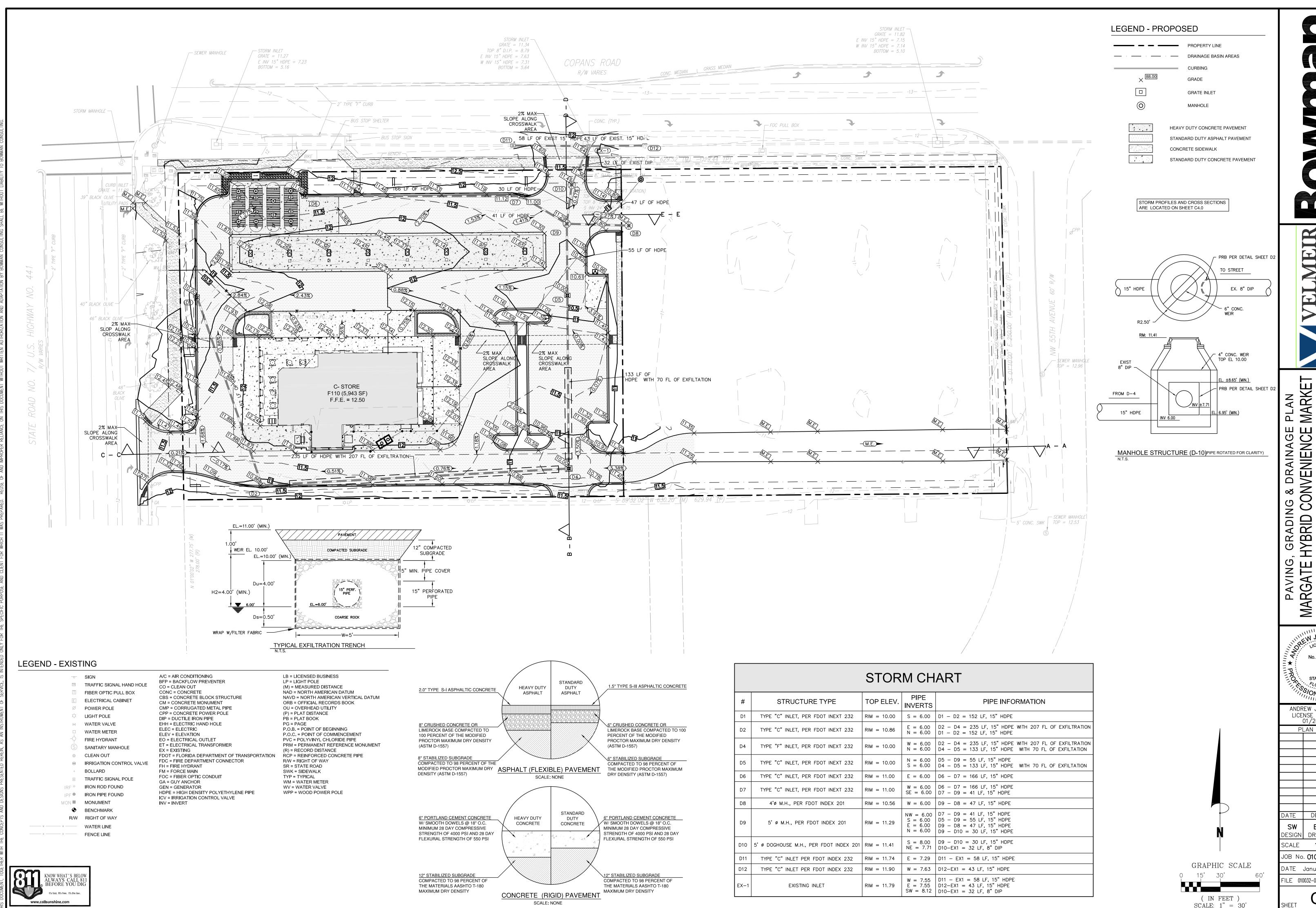
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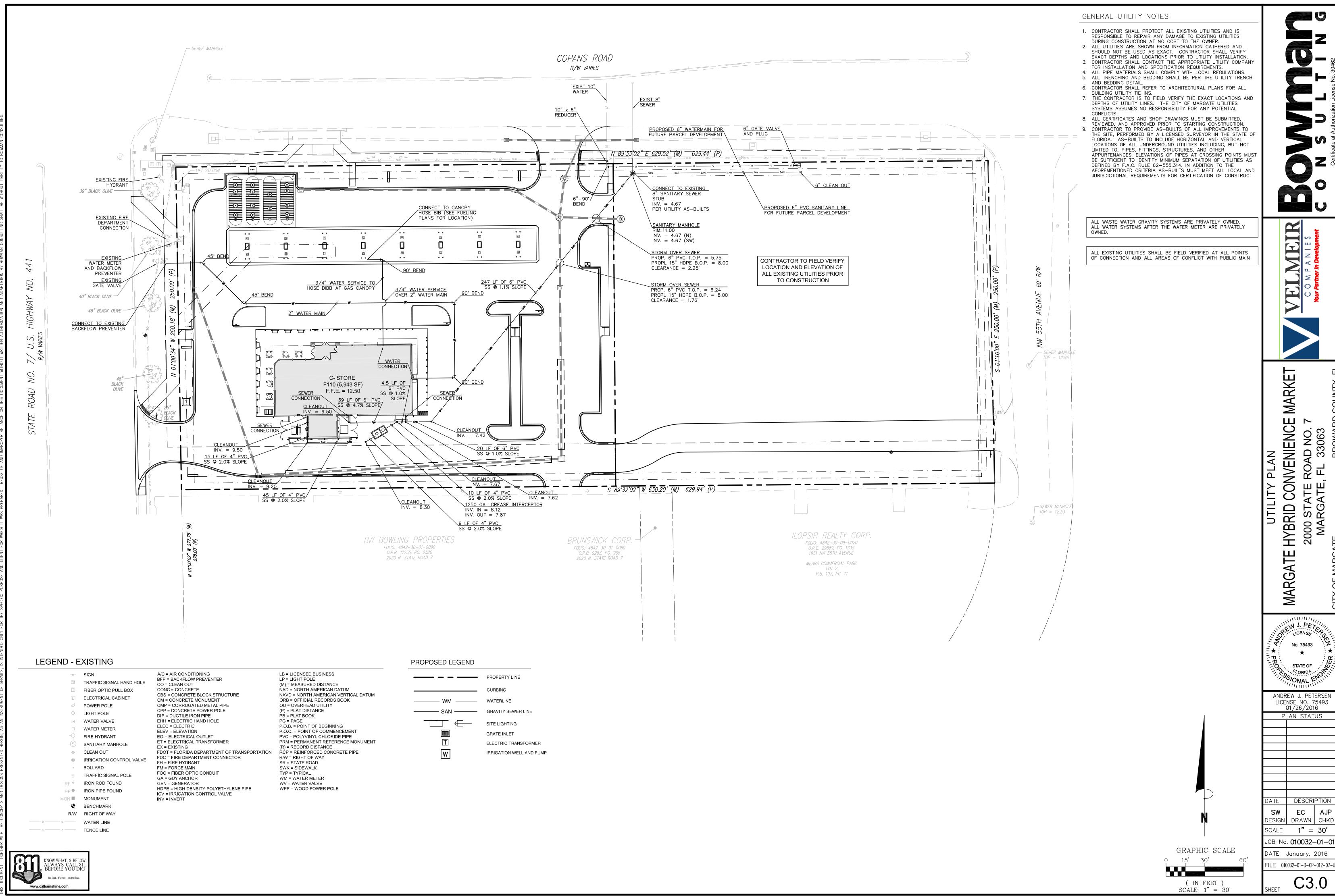
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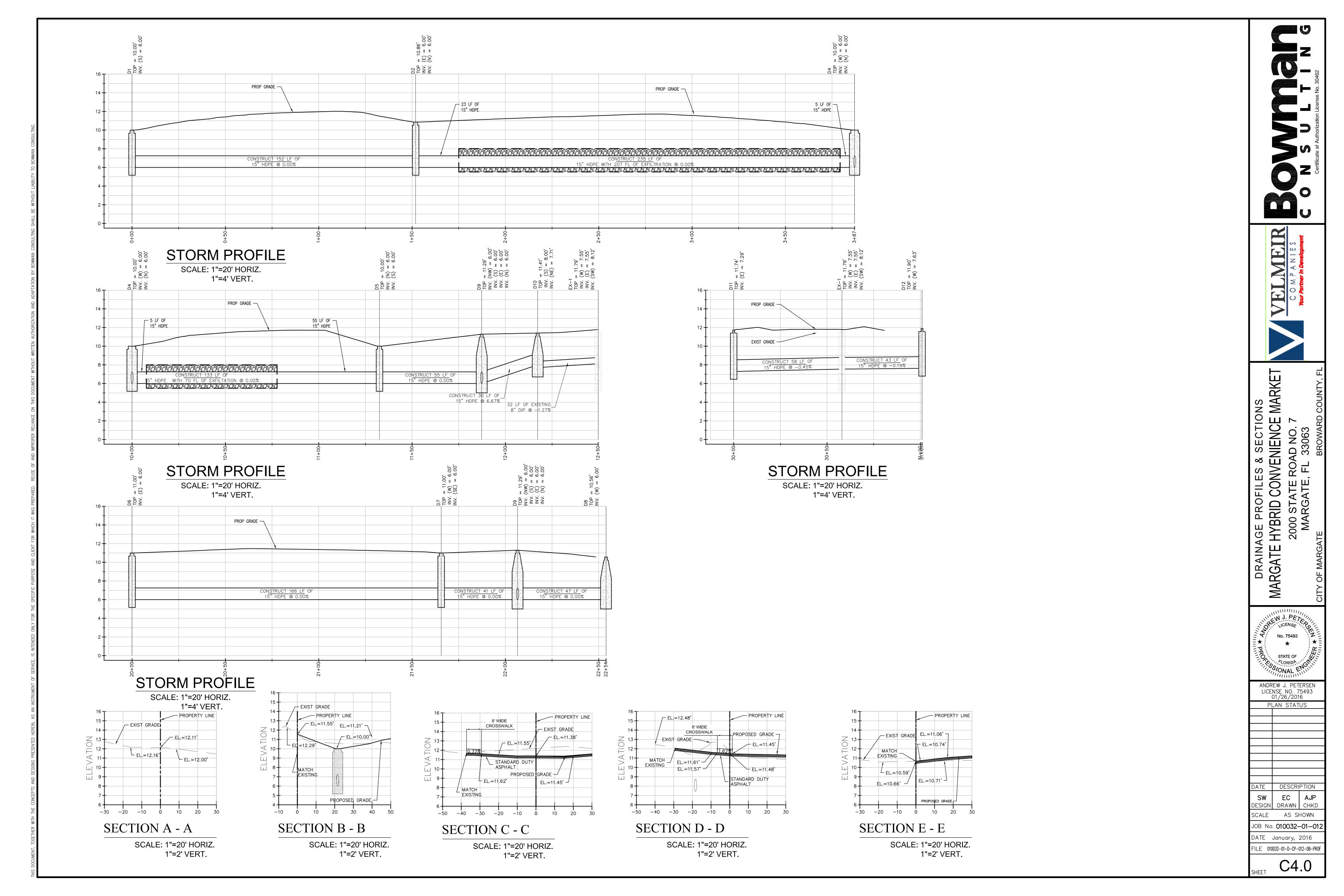


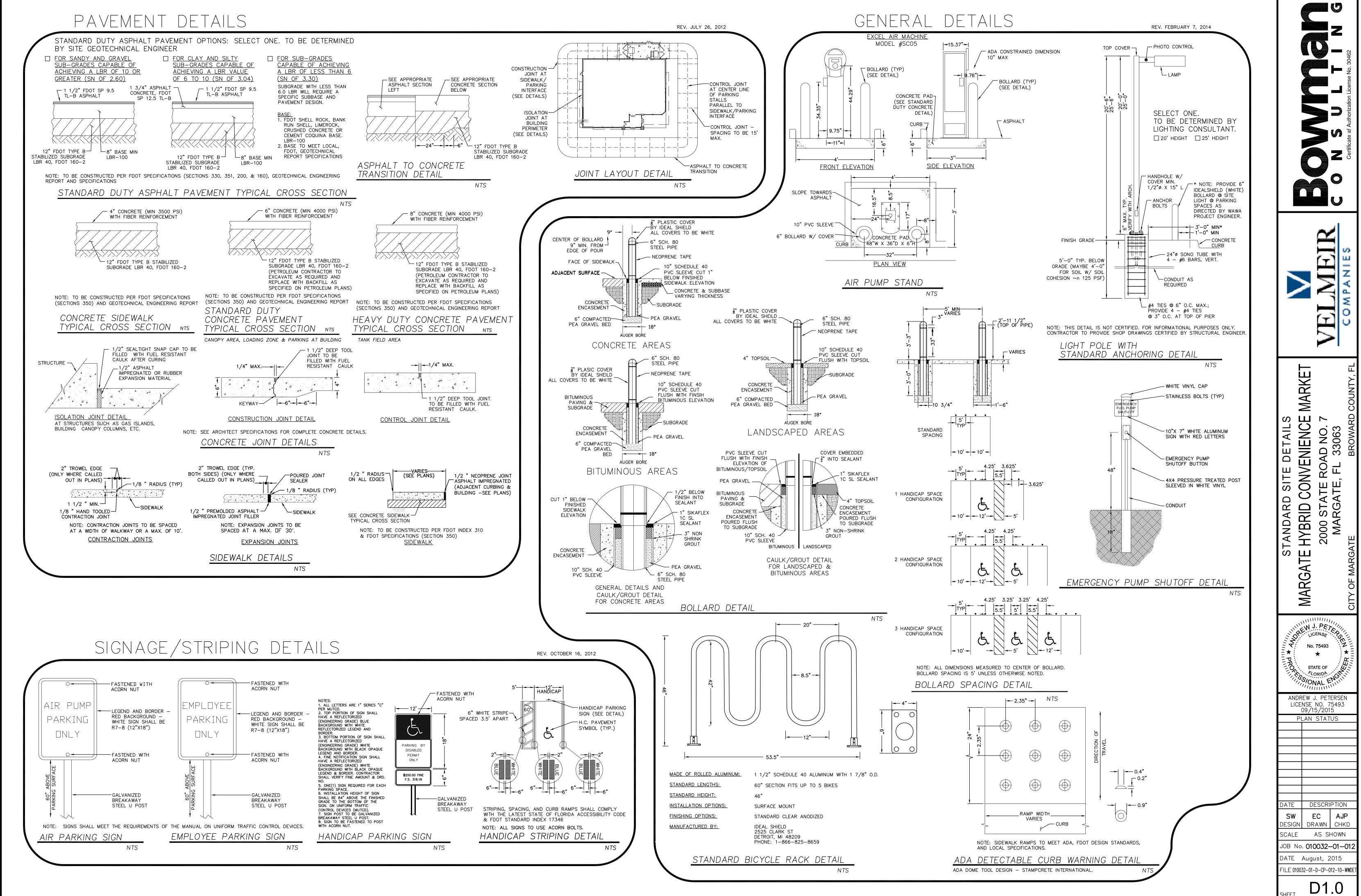
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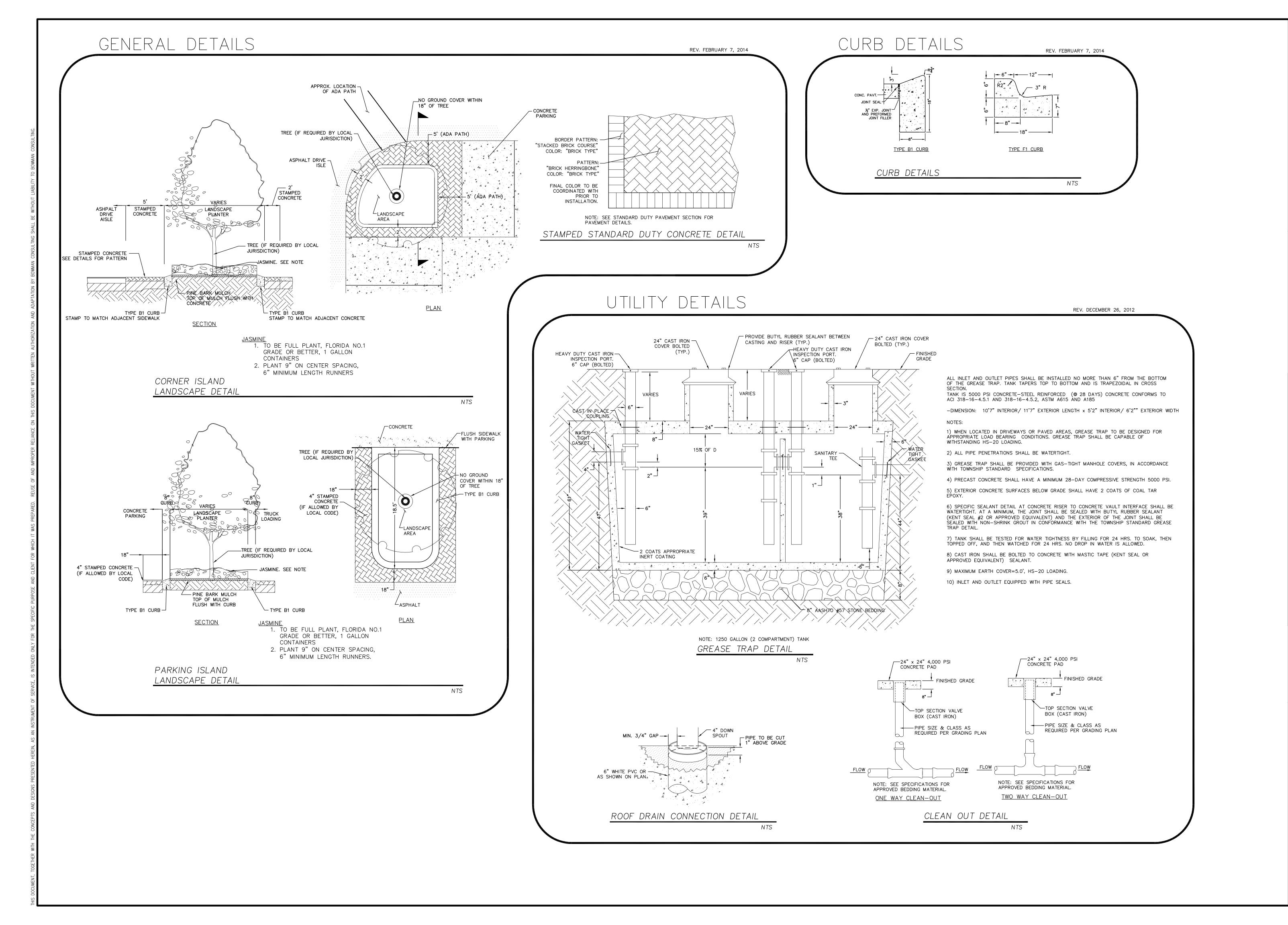
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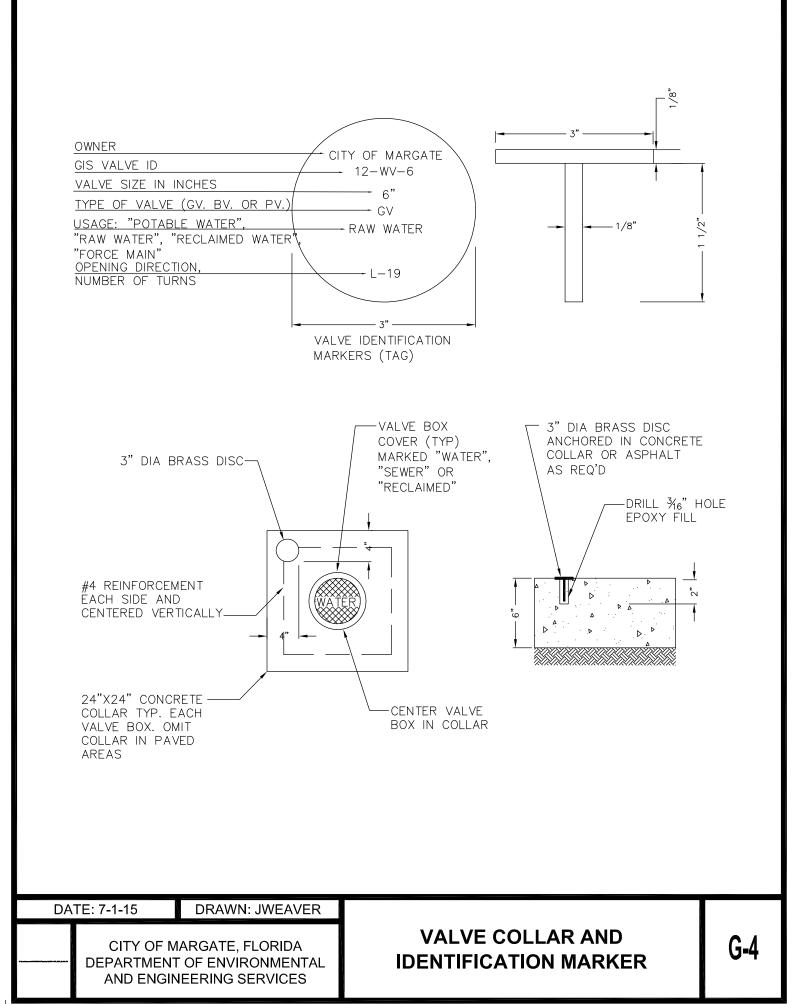
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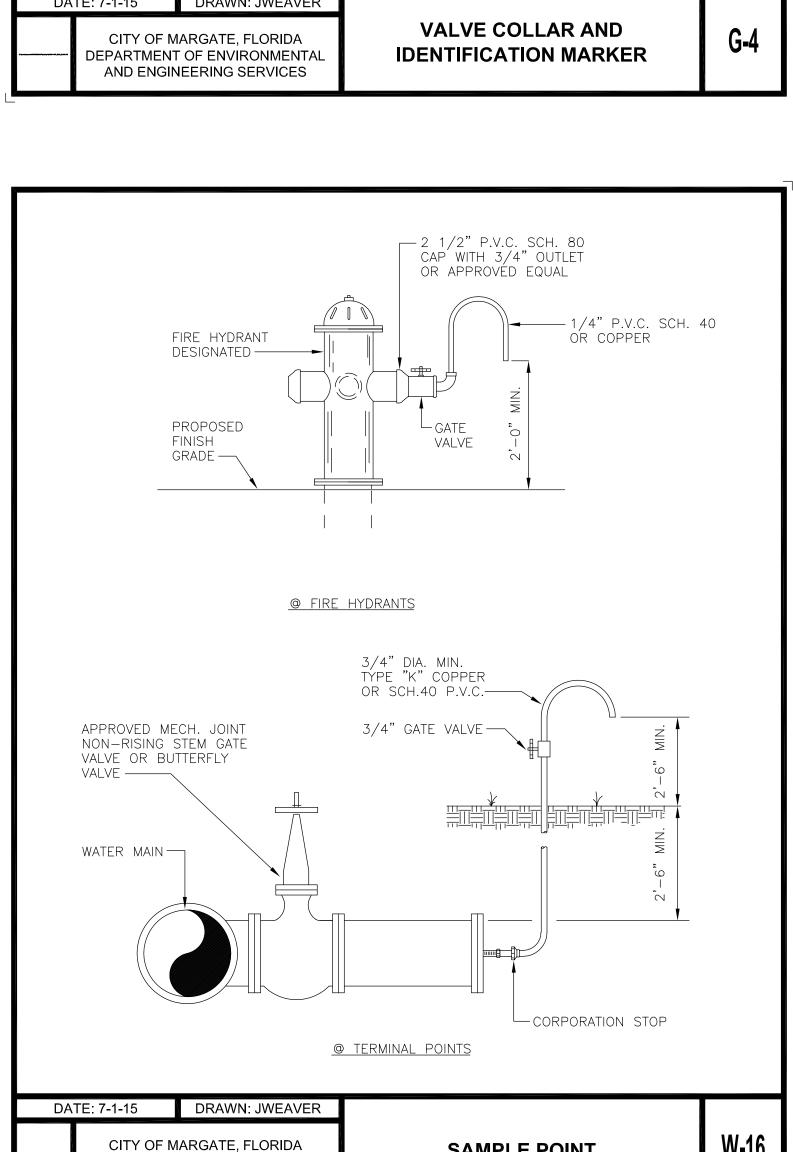
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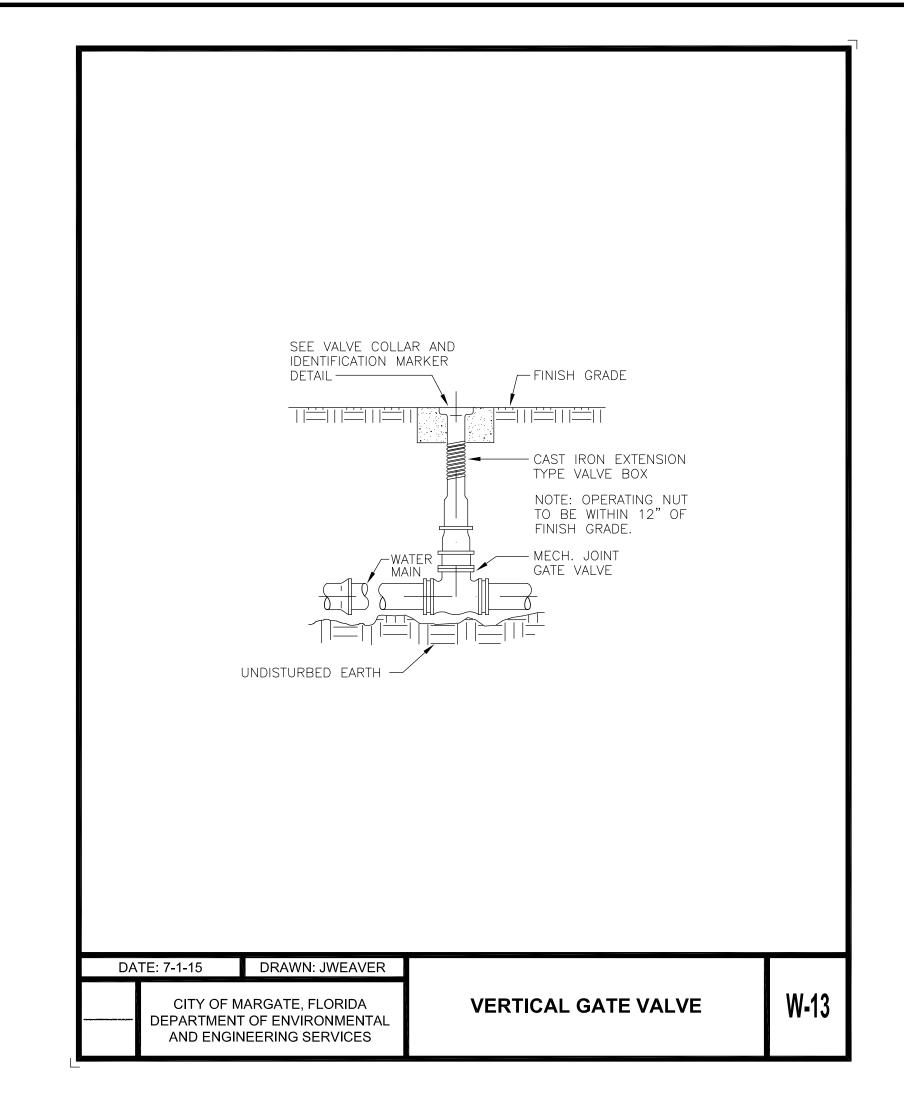
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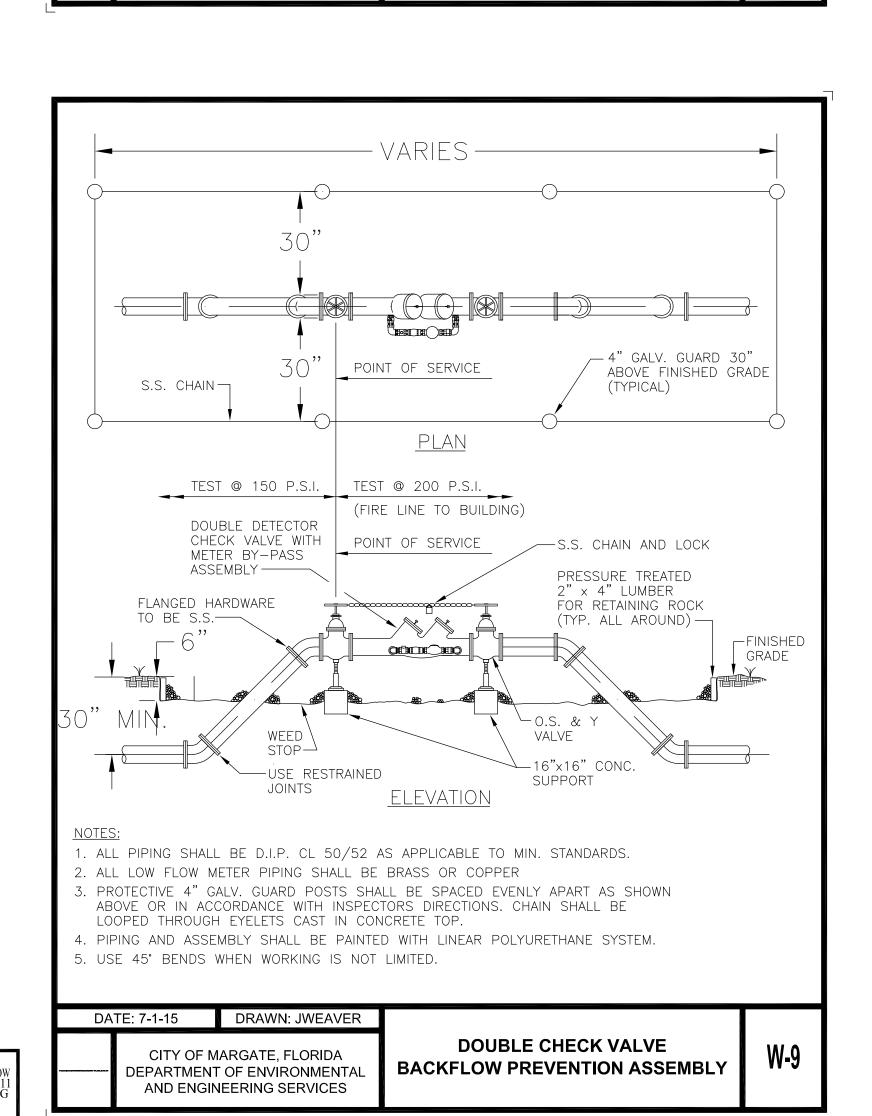
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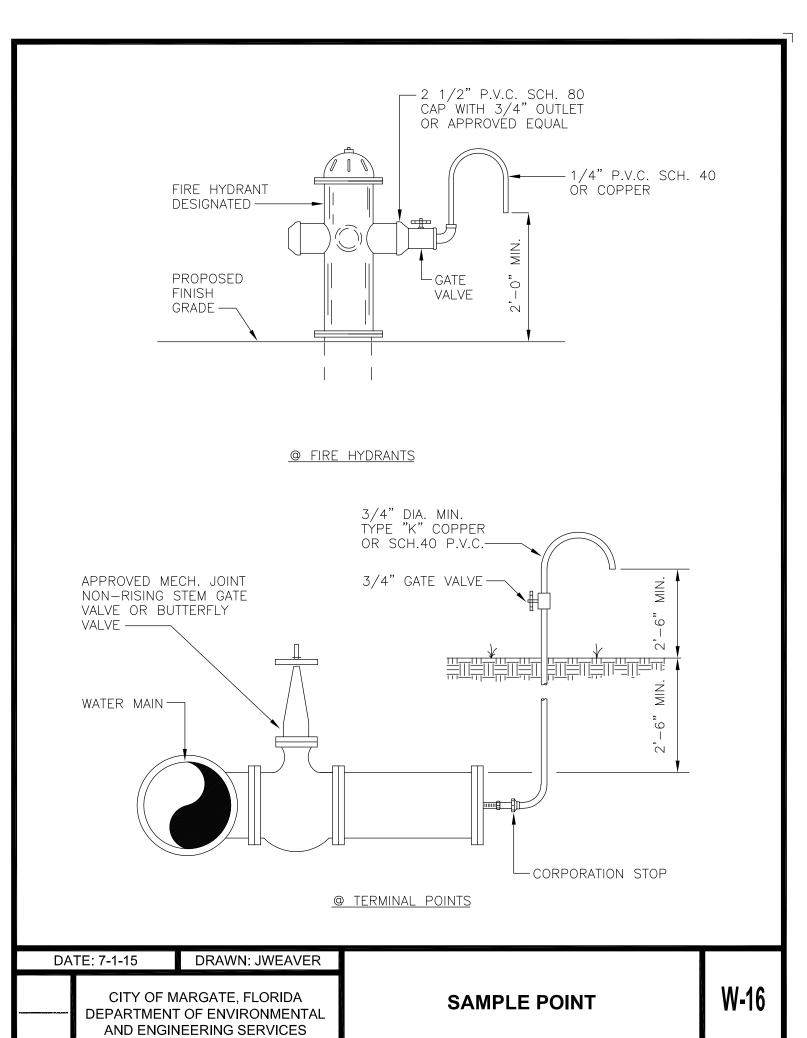
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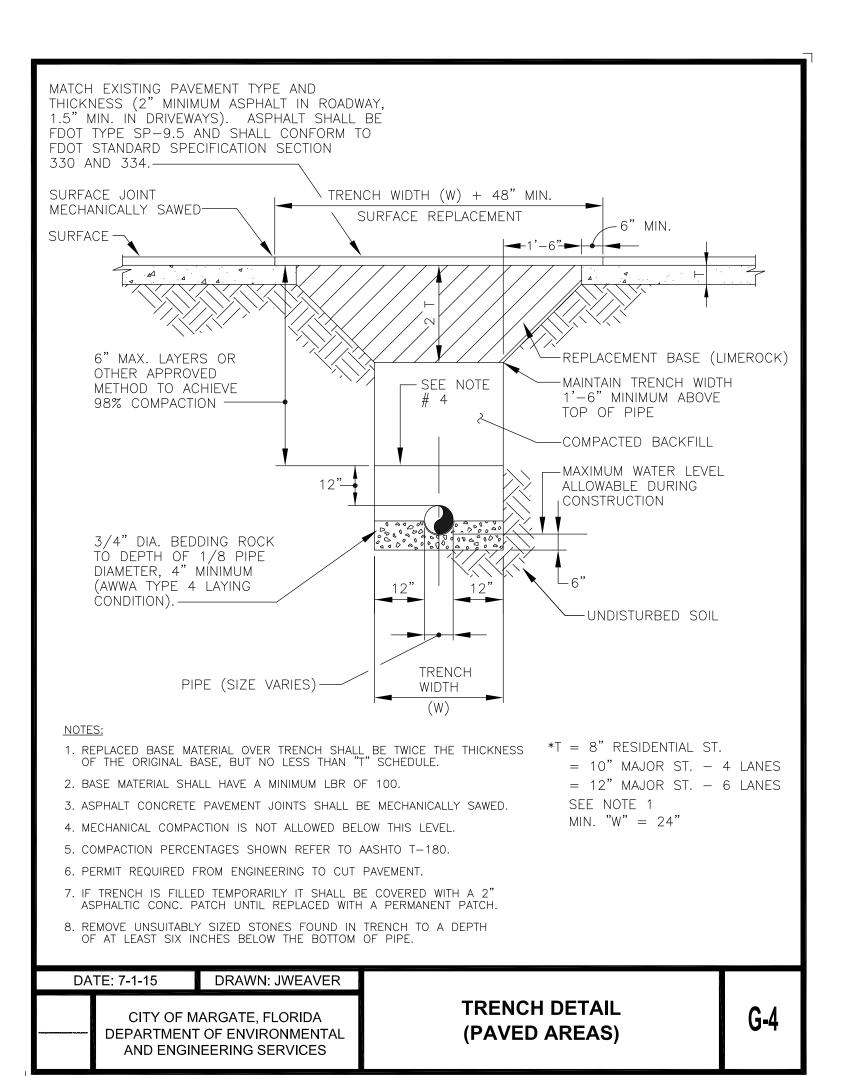














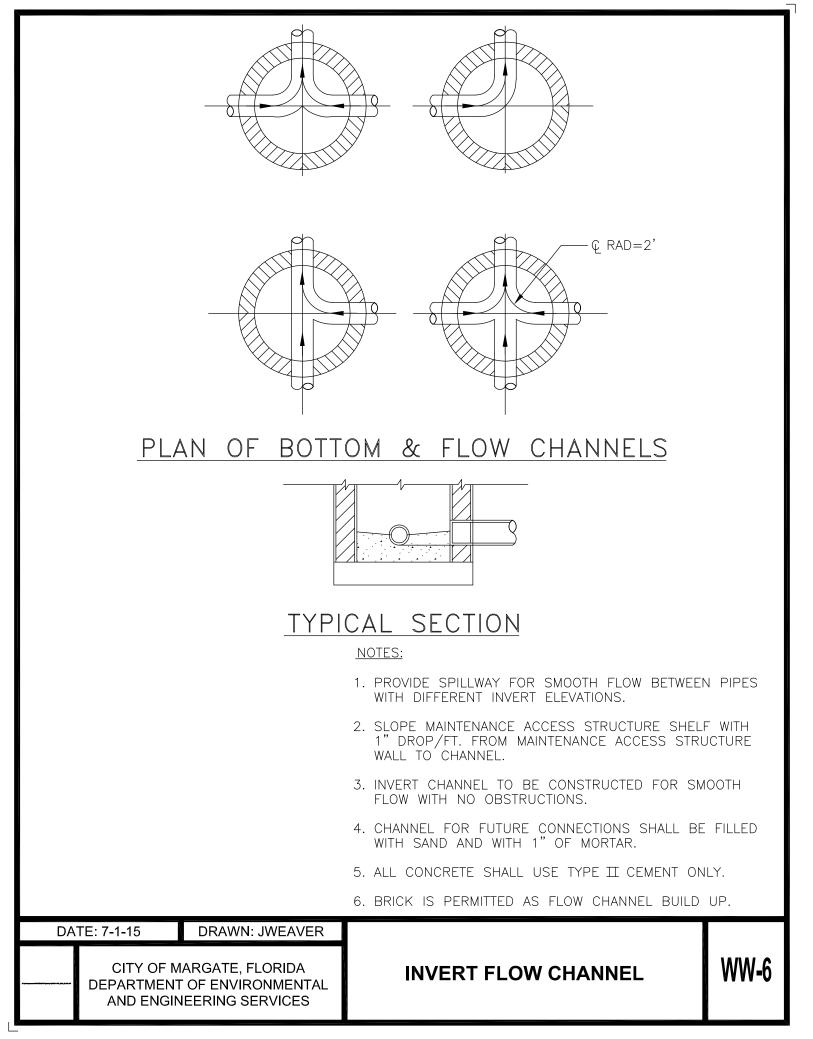
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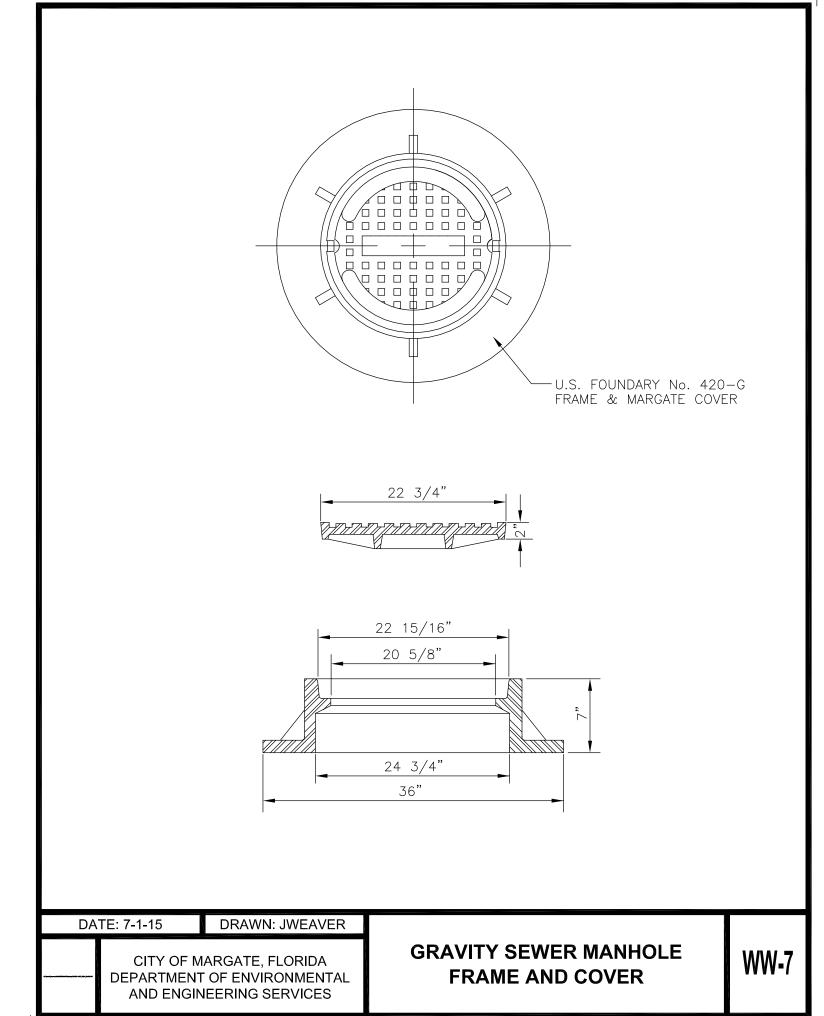
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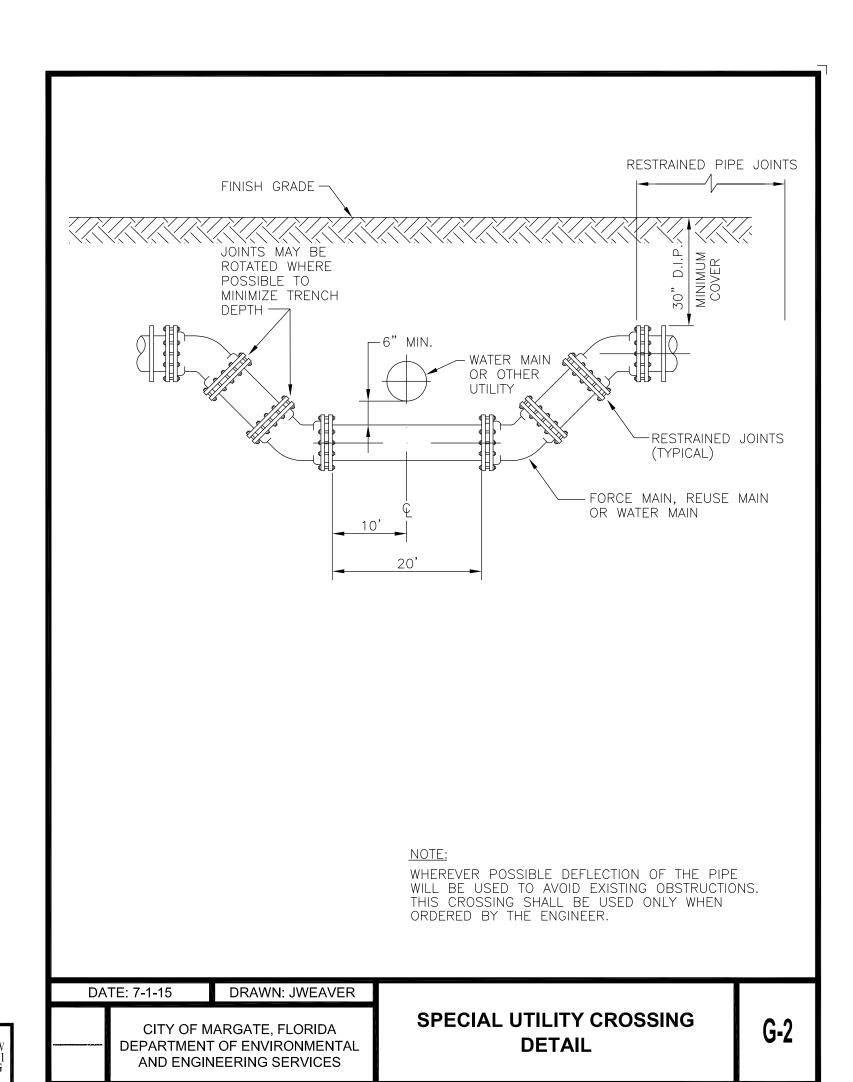
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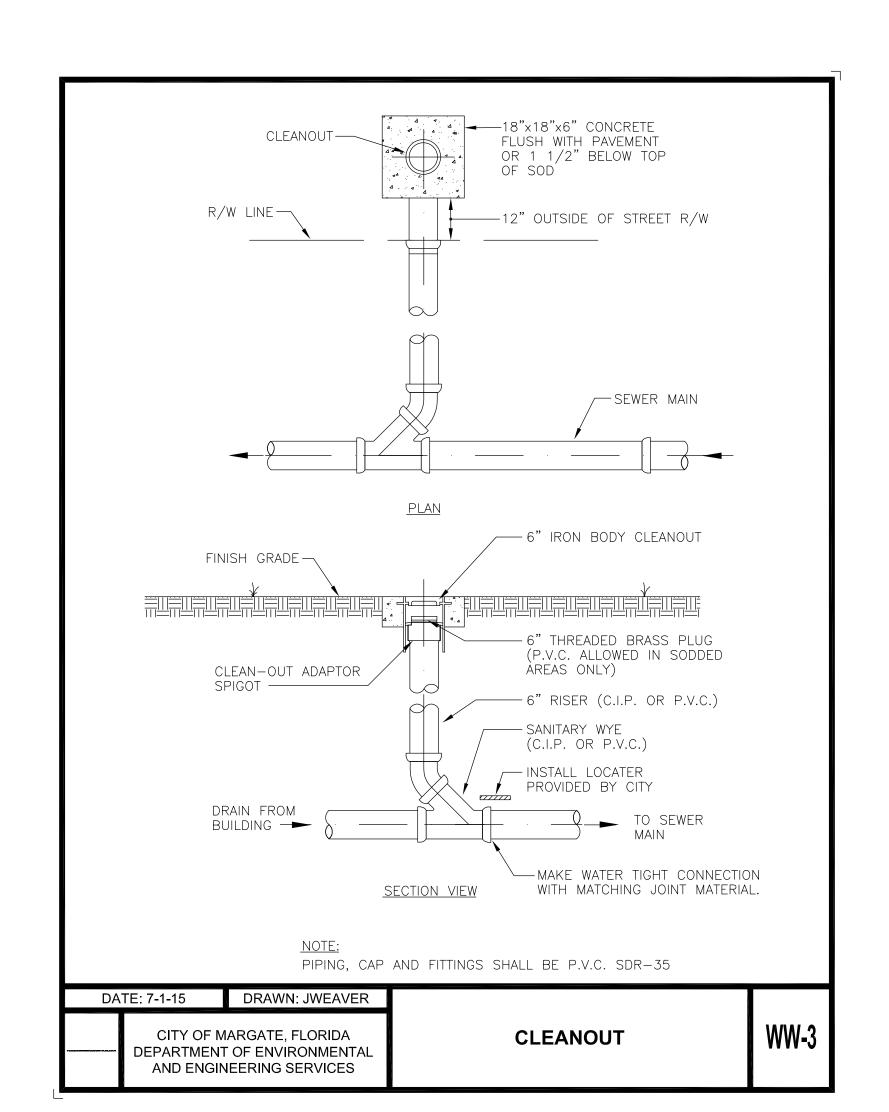
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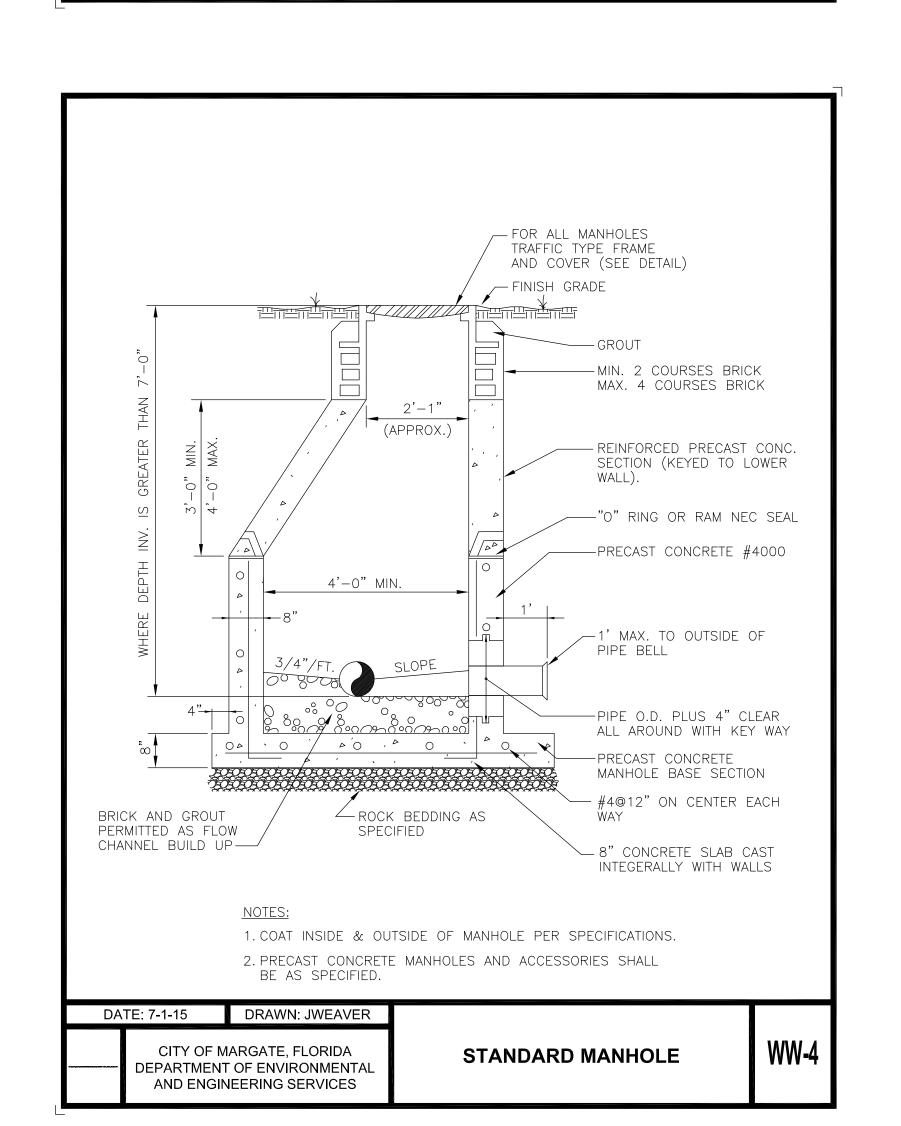
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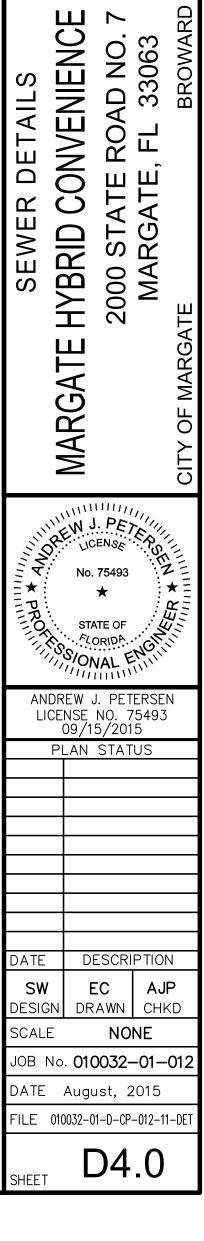




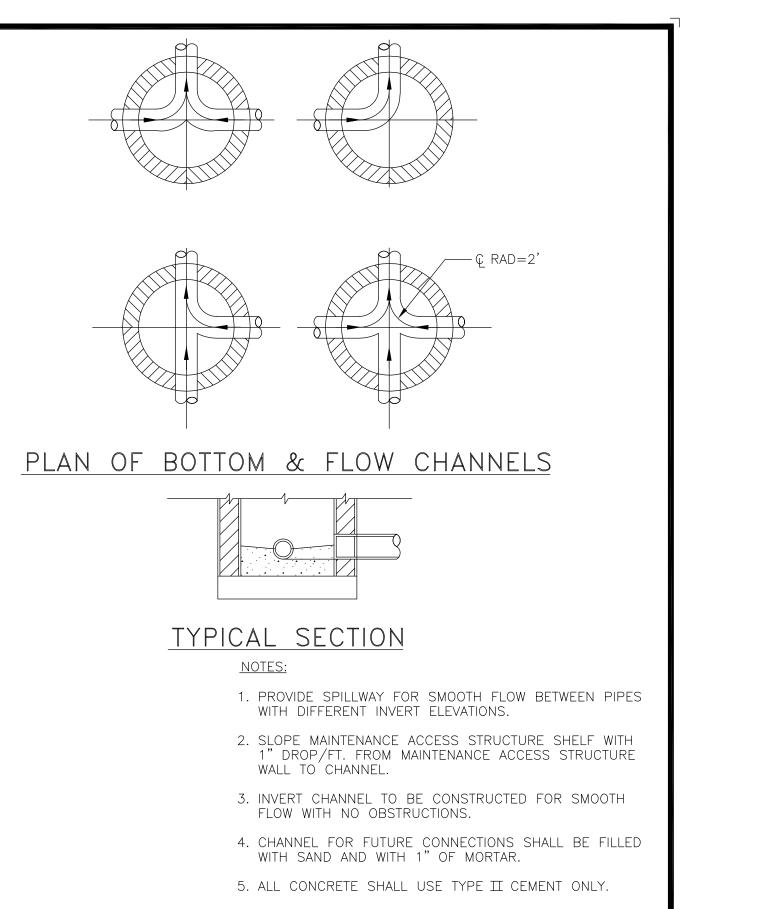


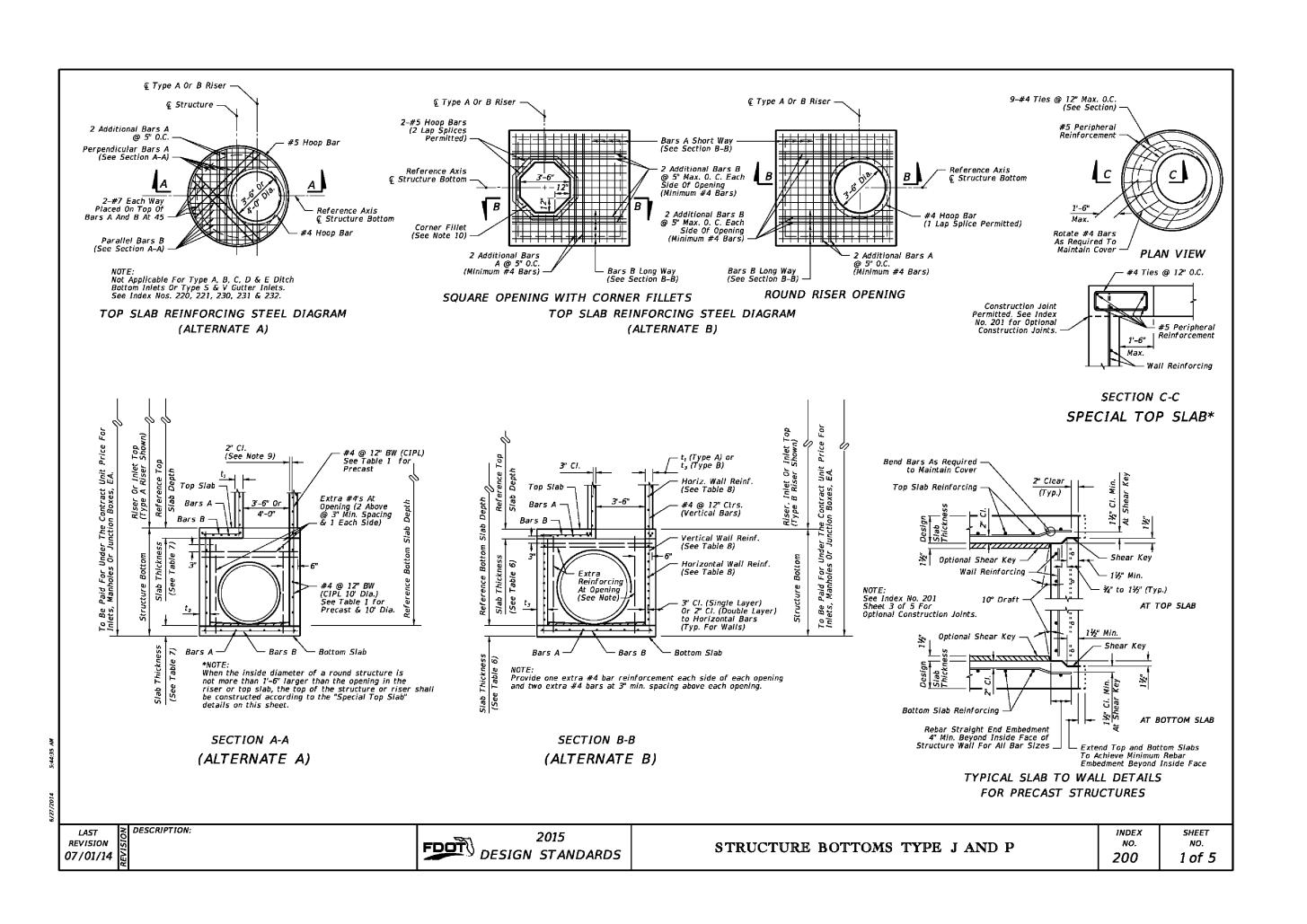


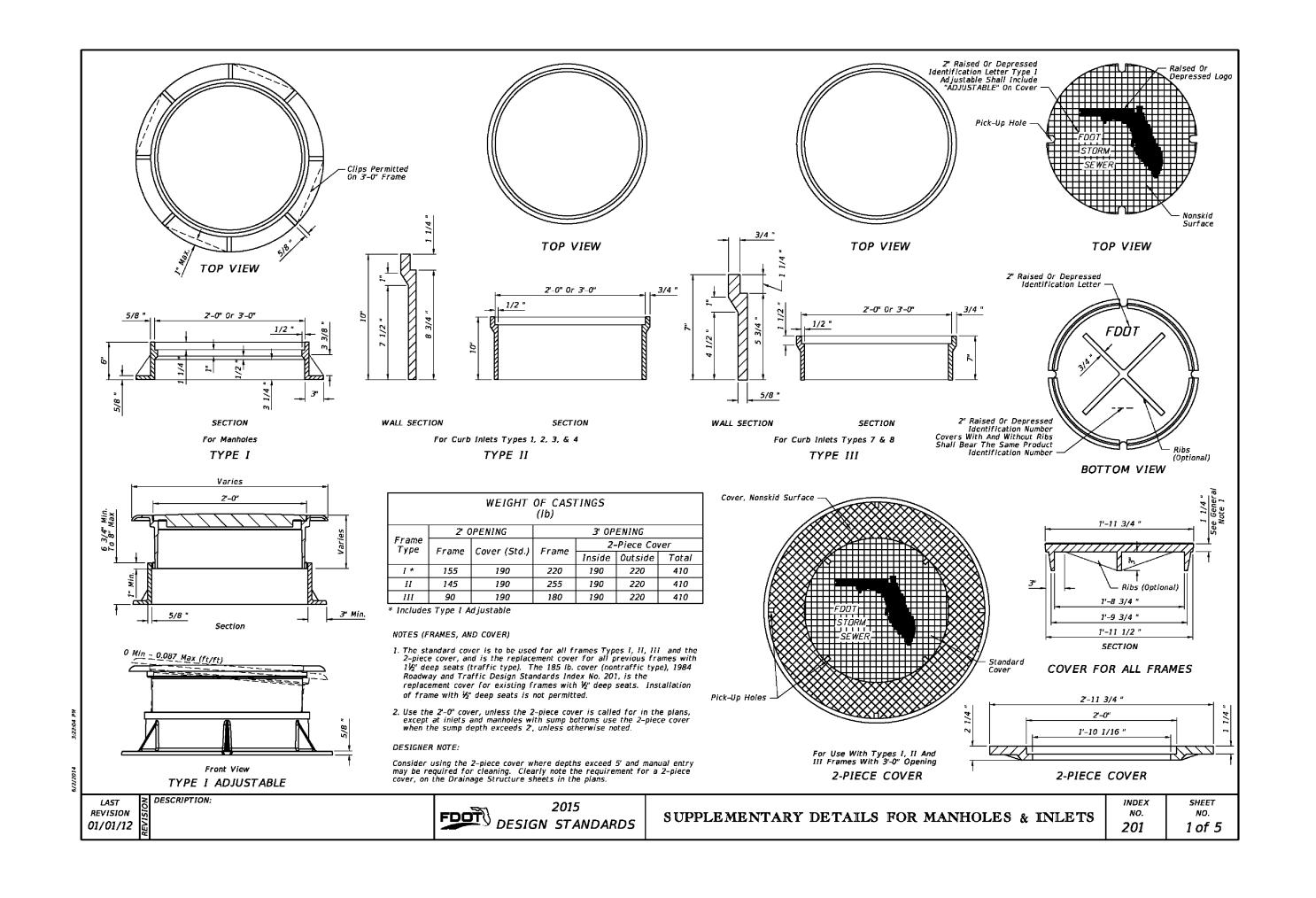


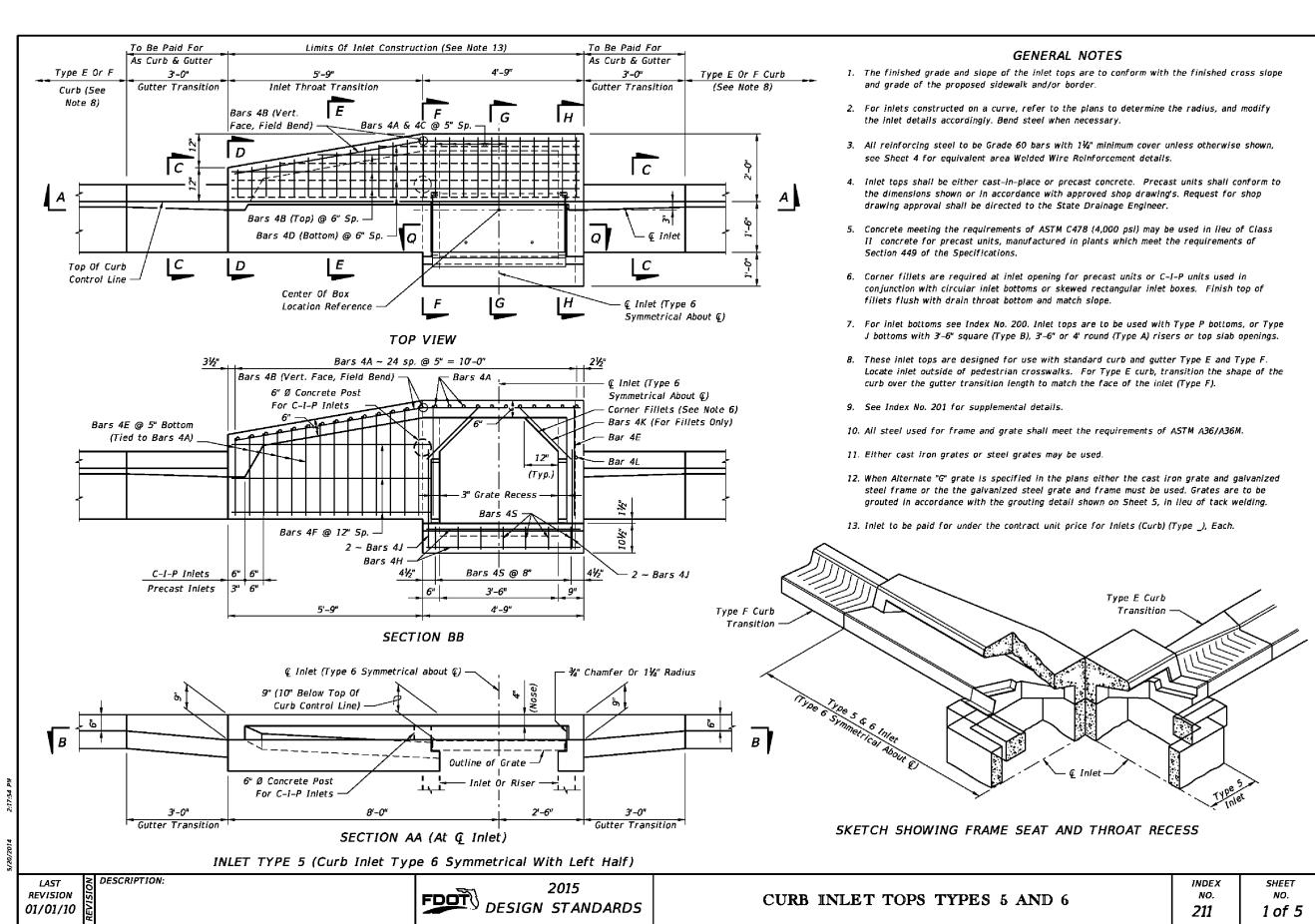


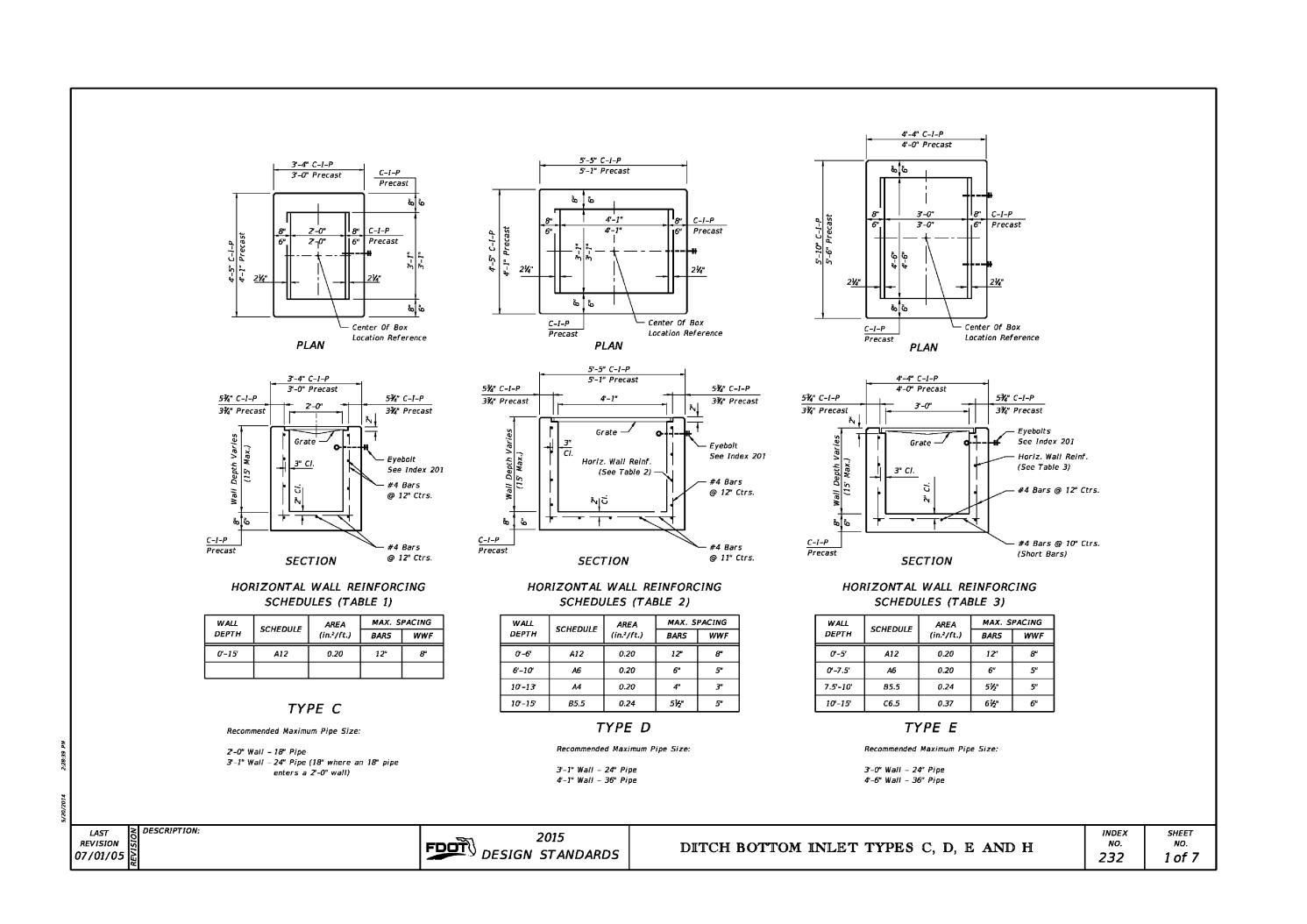
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JOB No. **010032-01-01** 

DATE August, 2015 

TURNOUTS

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SUMMARY OF GEOMETRIC REQUIREMENTS FOR TURNOUTS

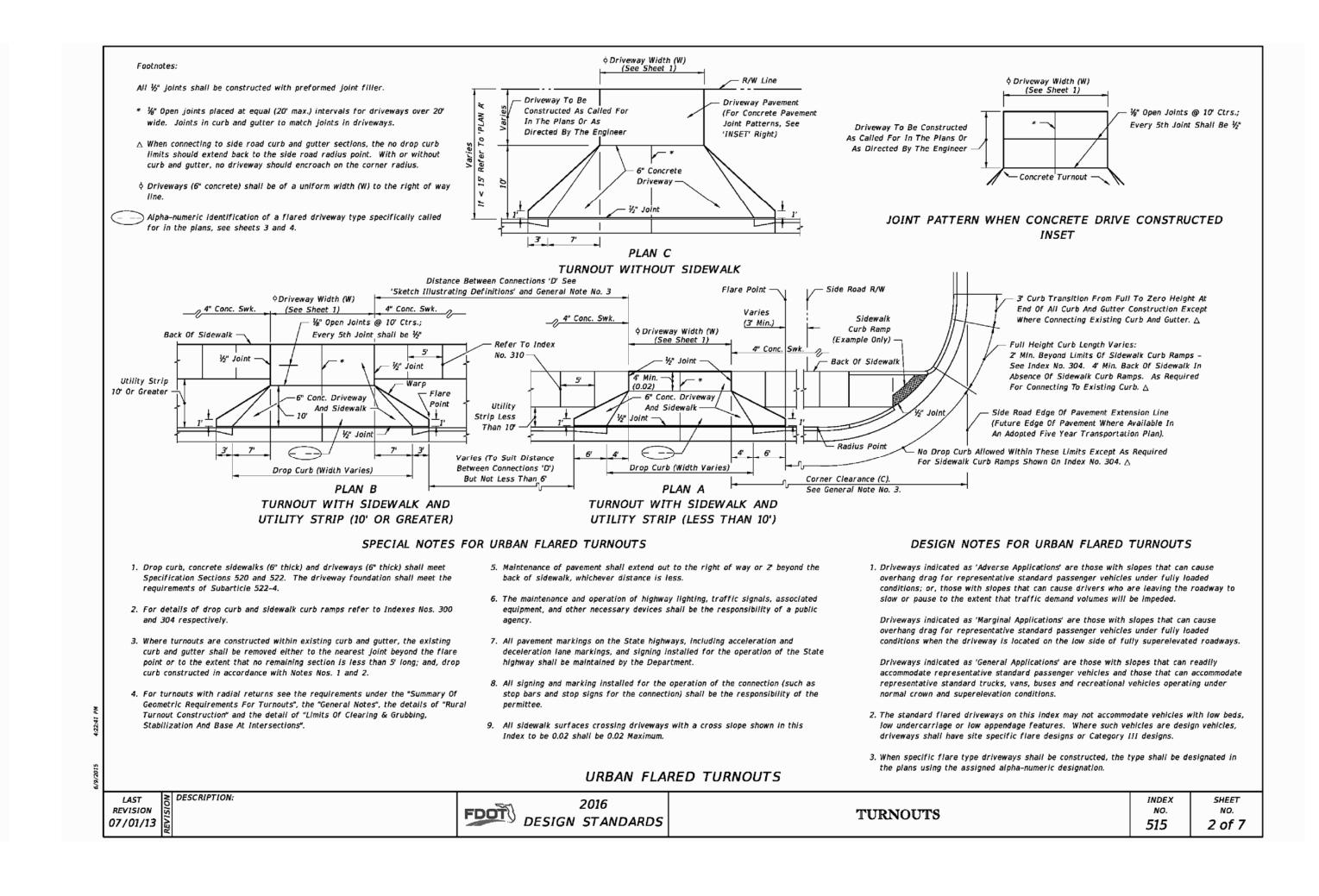
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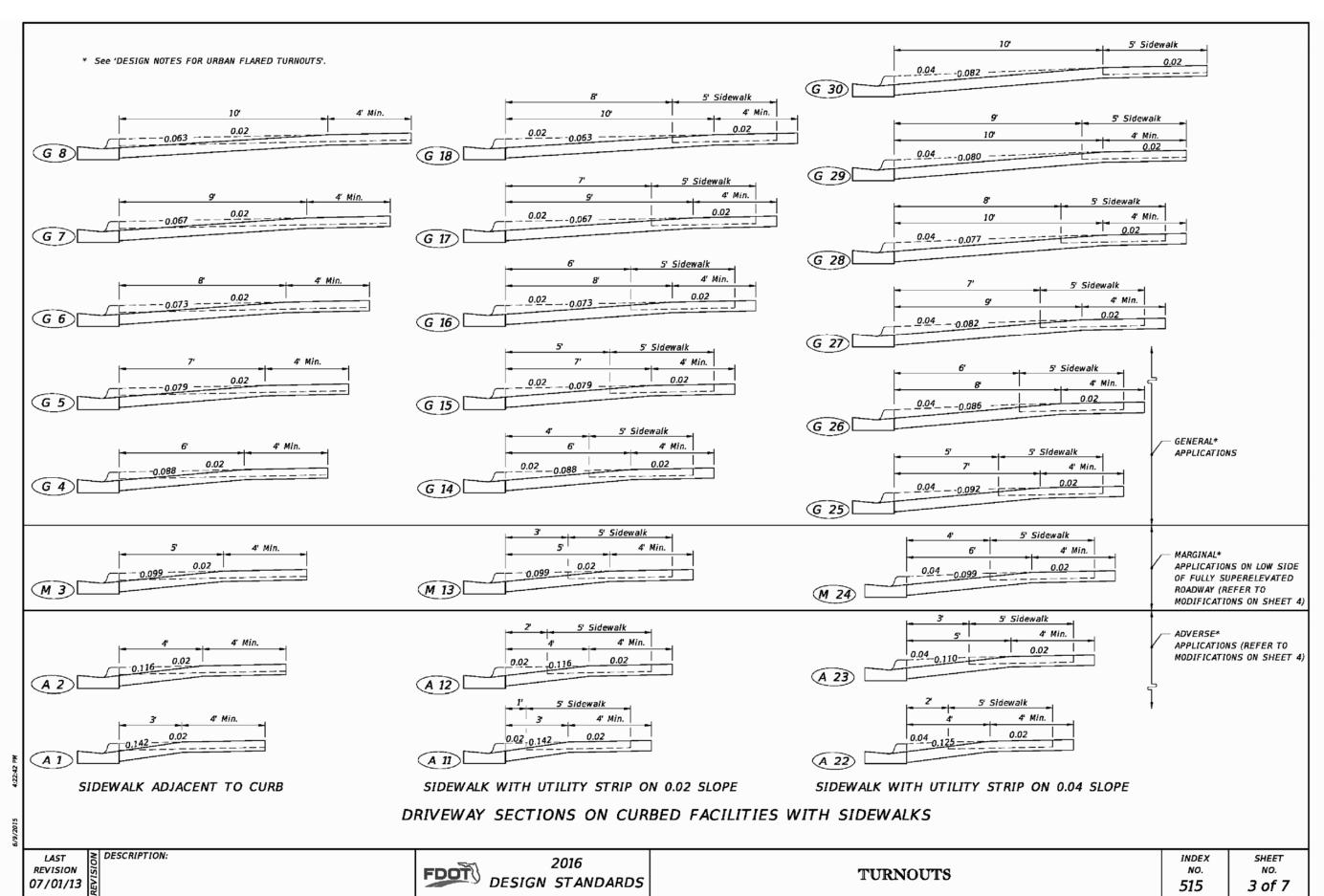
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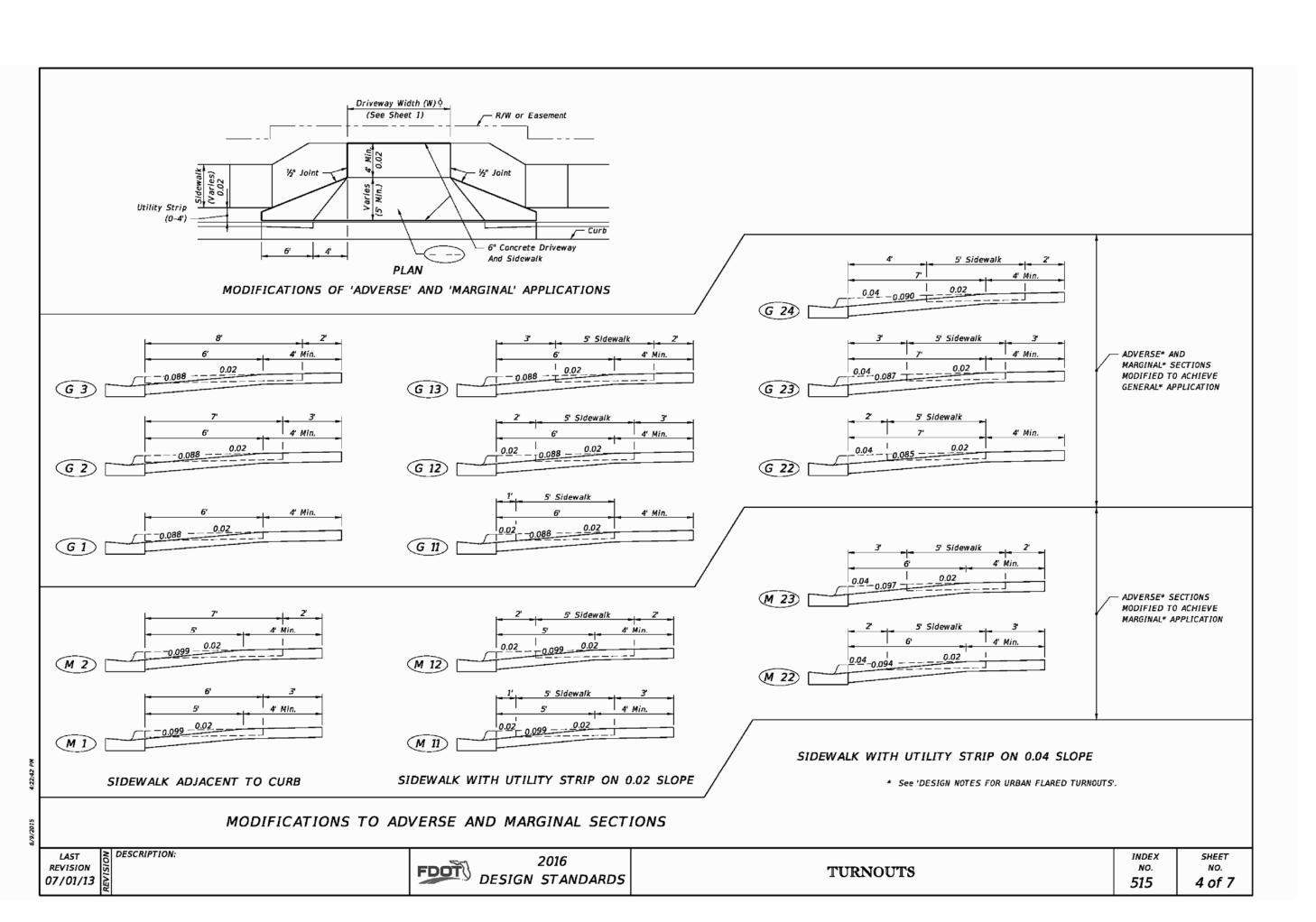
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Certificate af Authorization License No. 30462

COMPANIE Your Partner in Developin

MARGATE HYBRID CONVENIENCE MARK 2000 STATE ROAD NO. 7 MARGATE, FL 33063

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LICENSE NO. 75493

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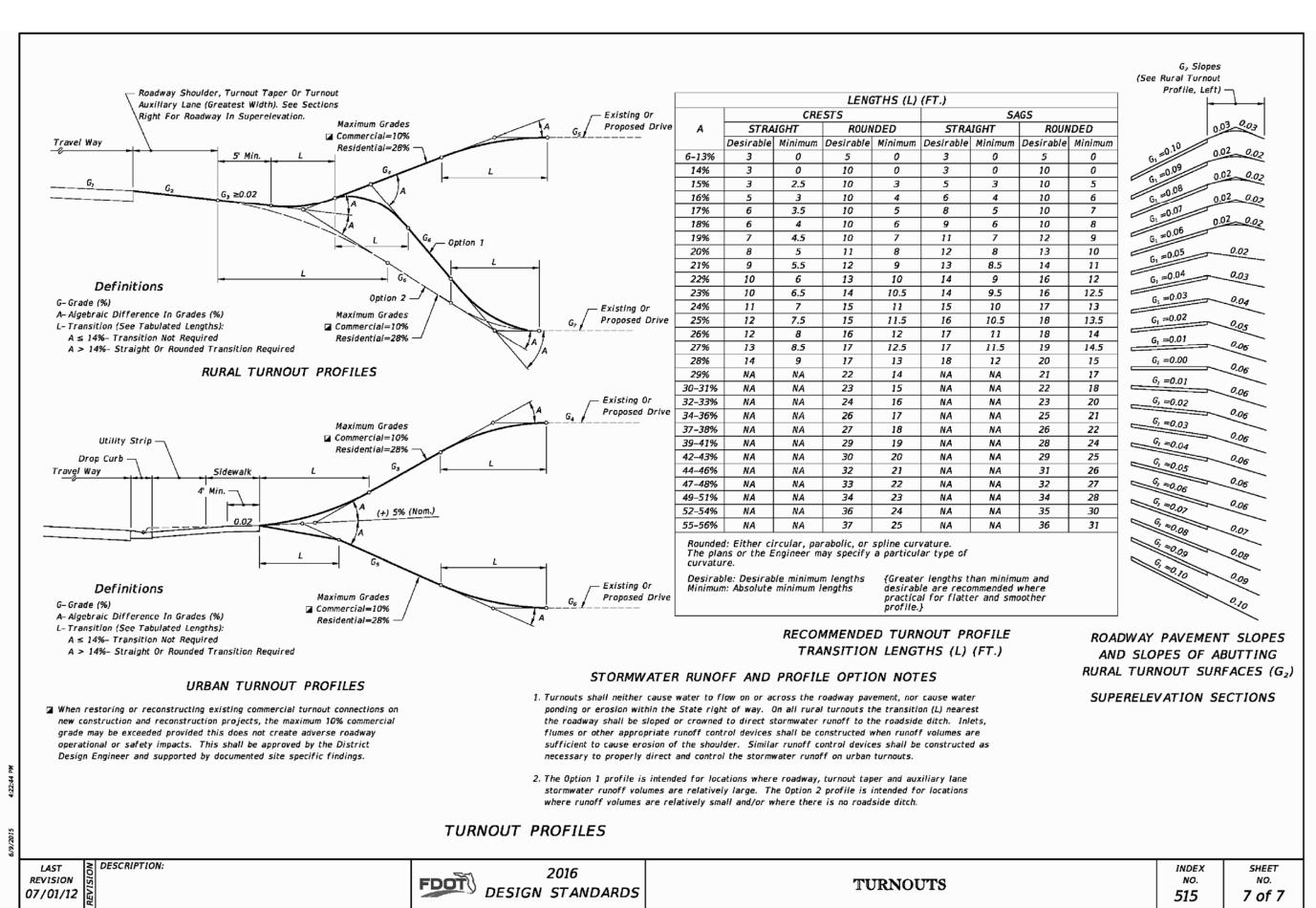
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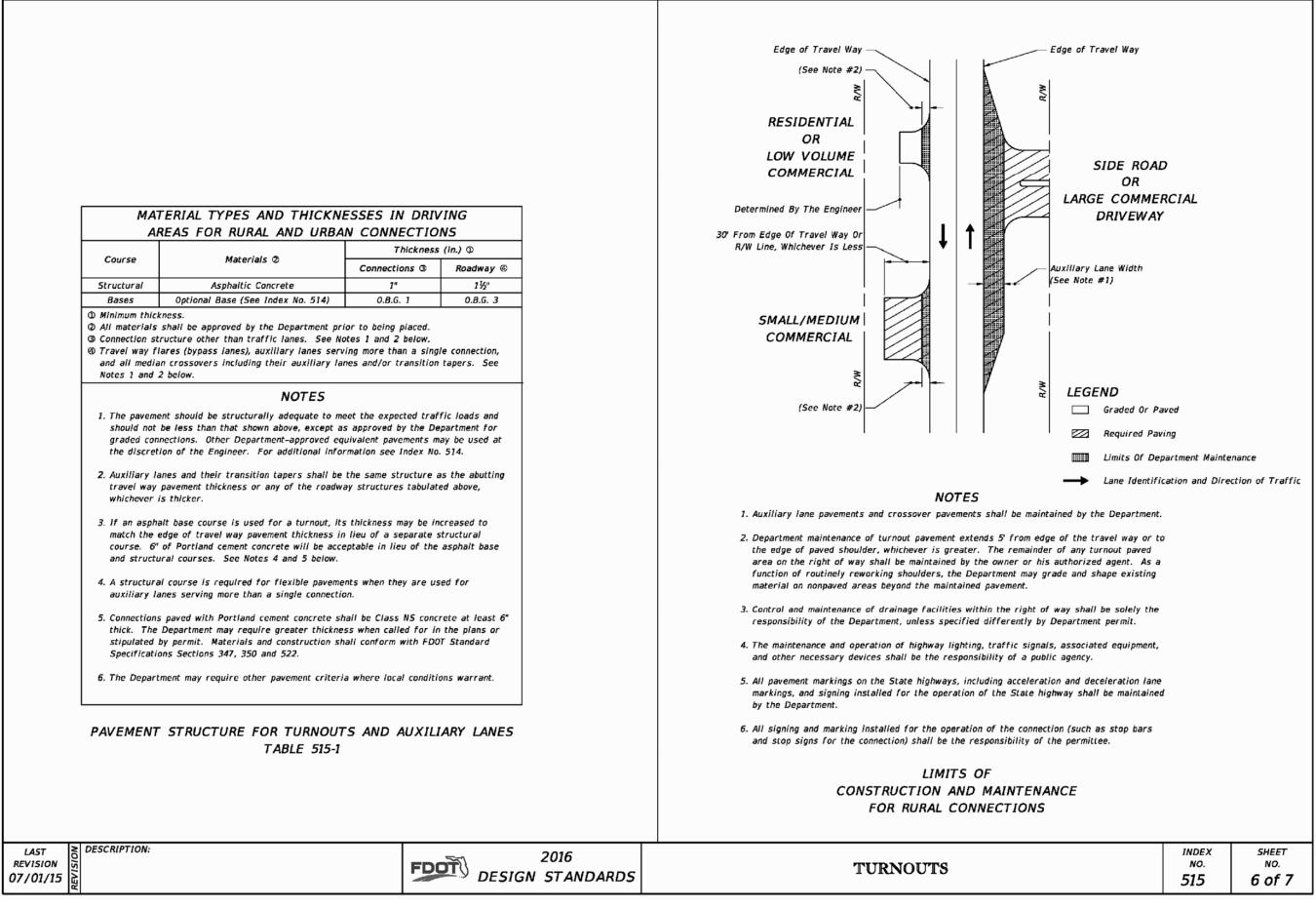
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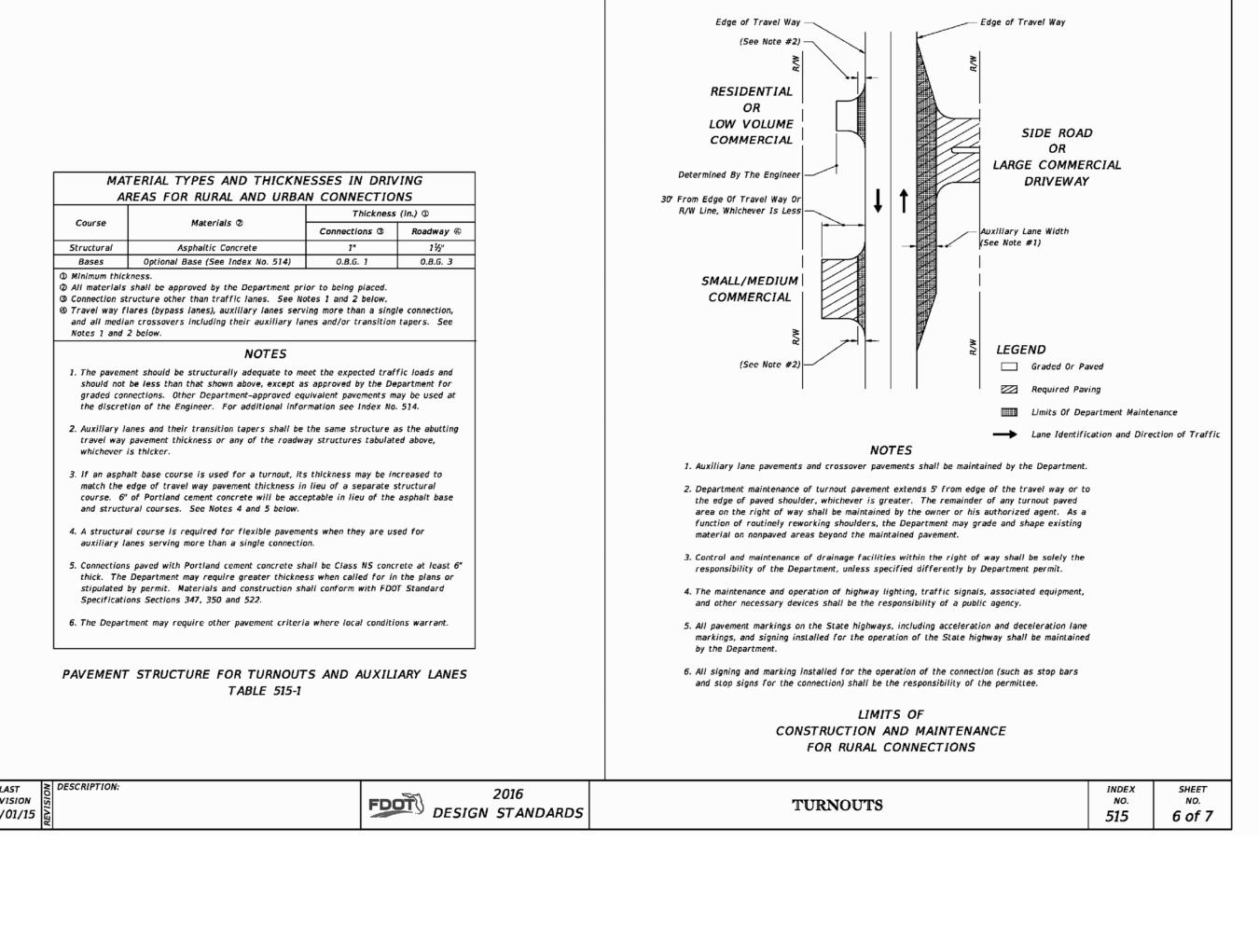
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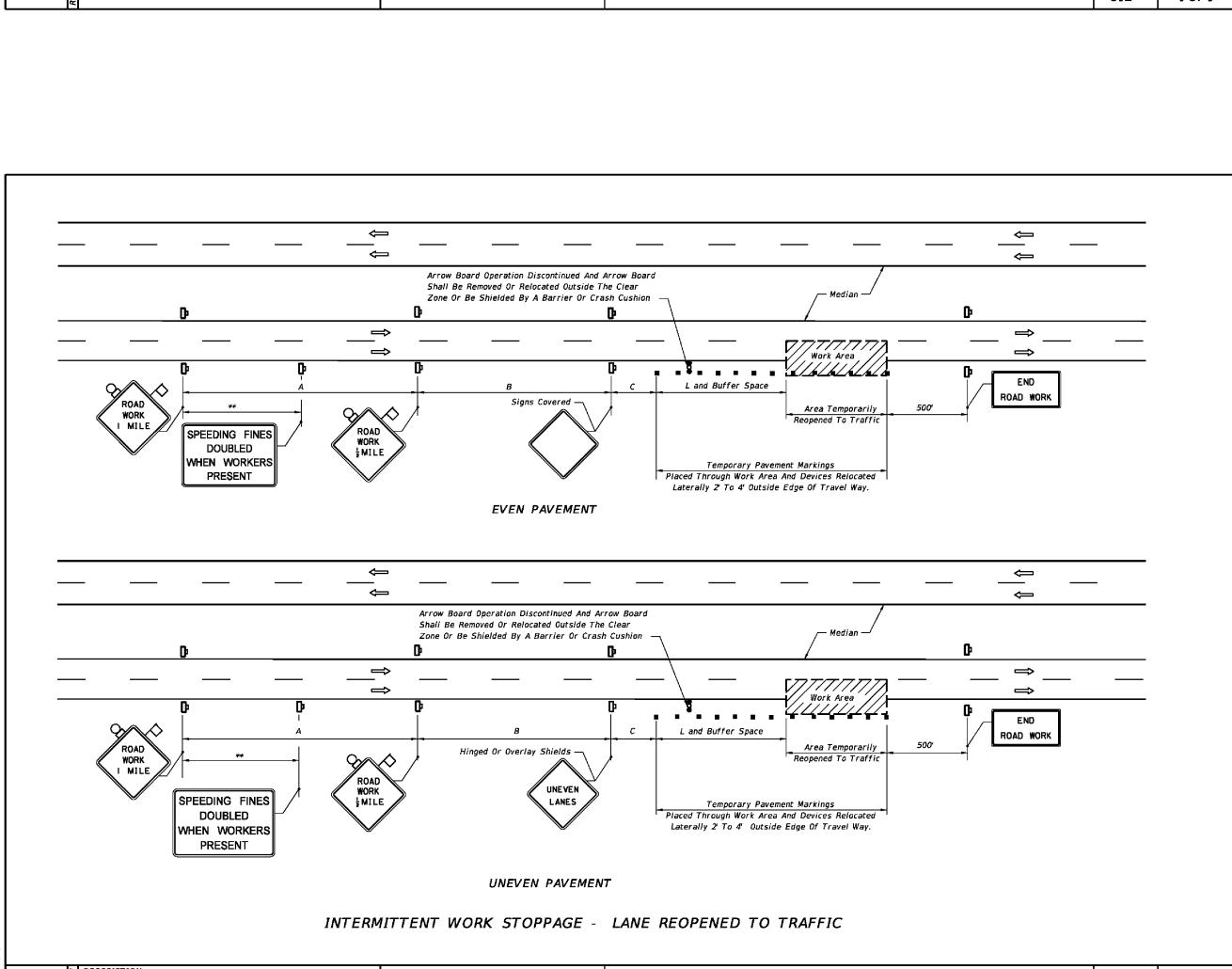
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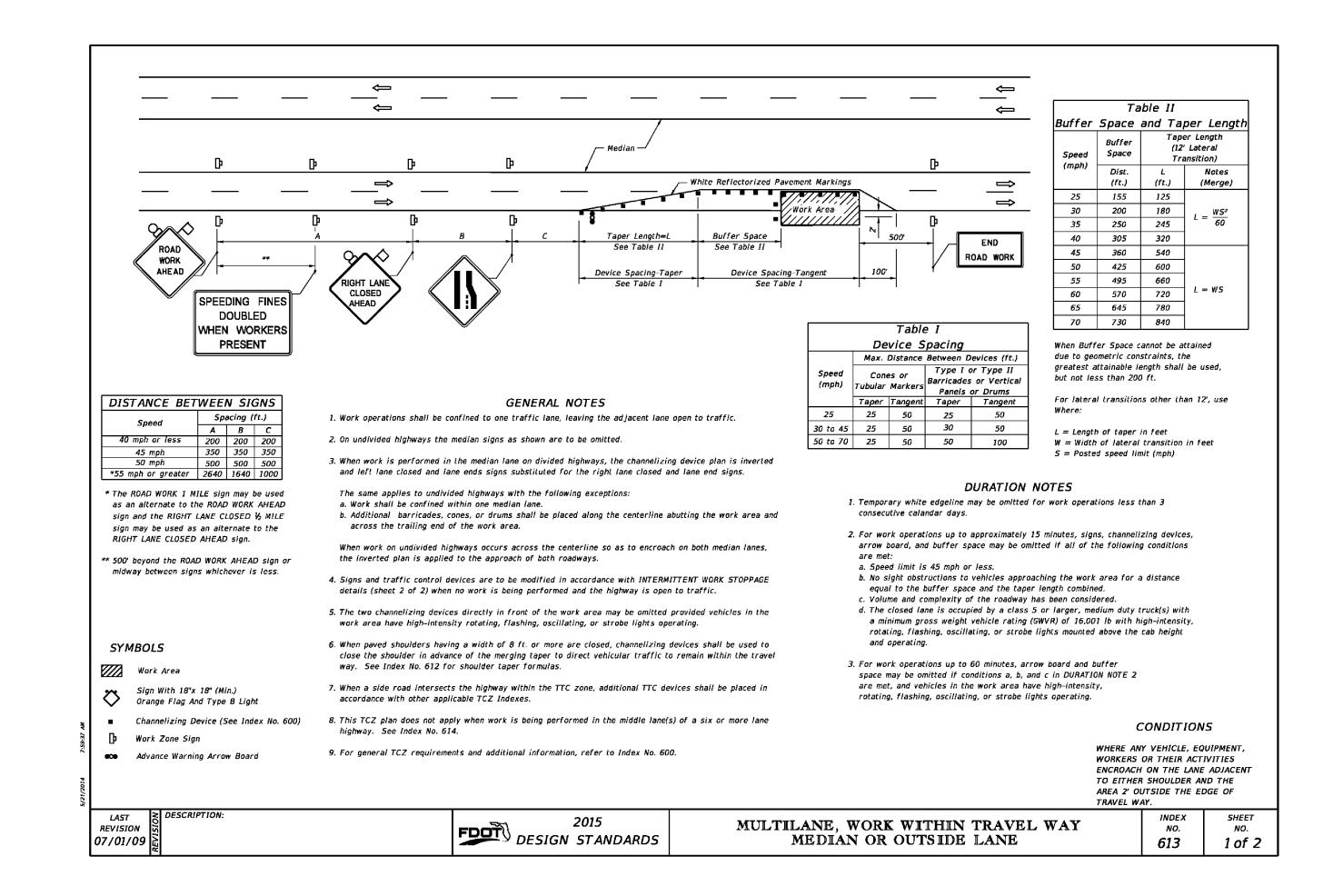
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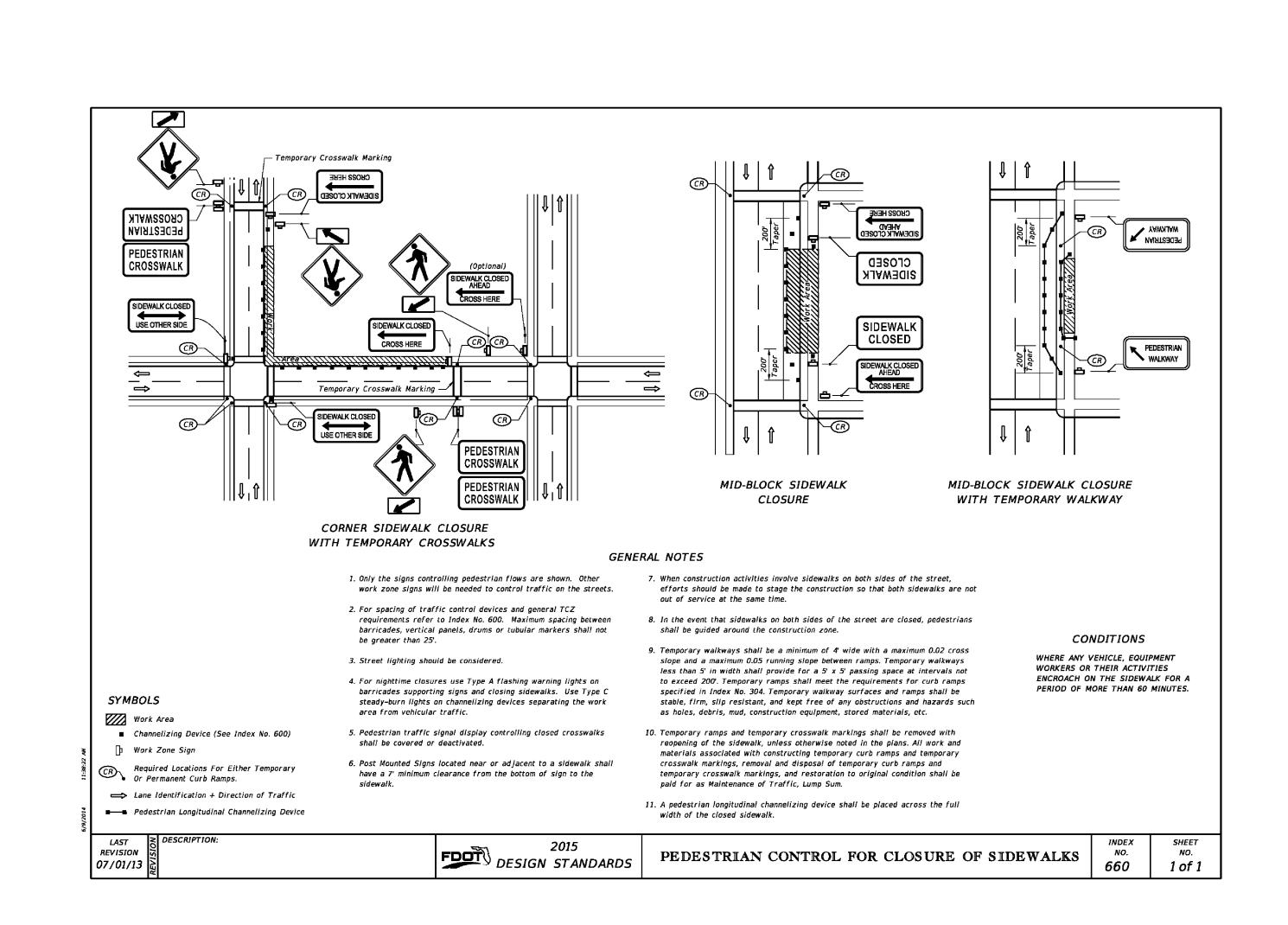
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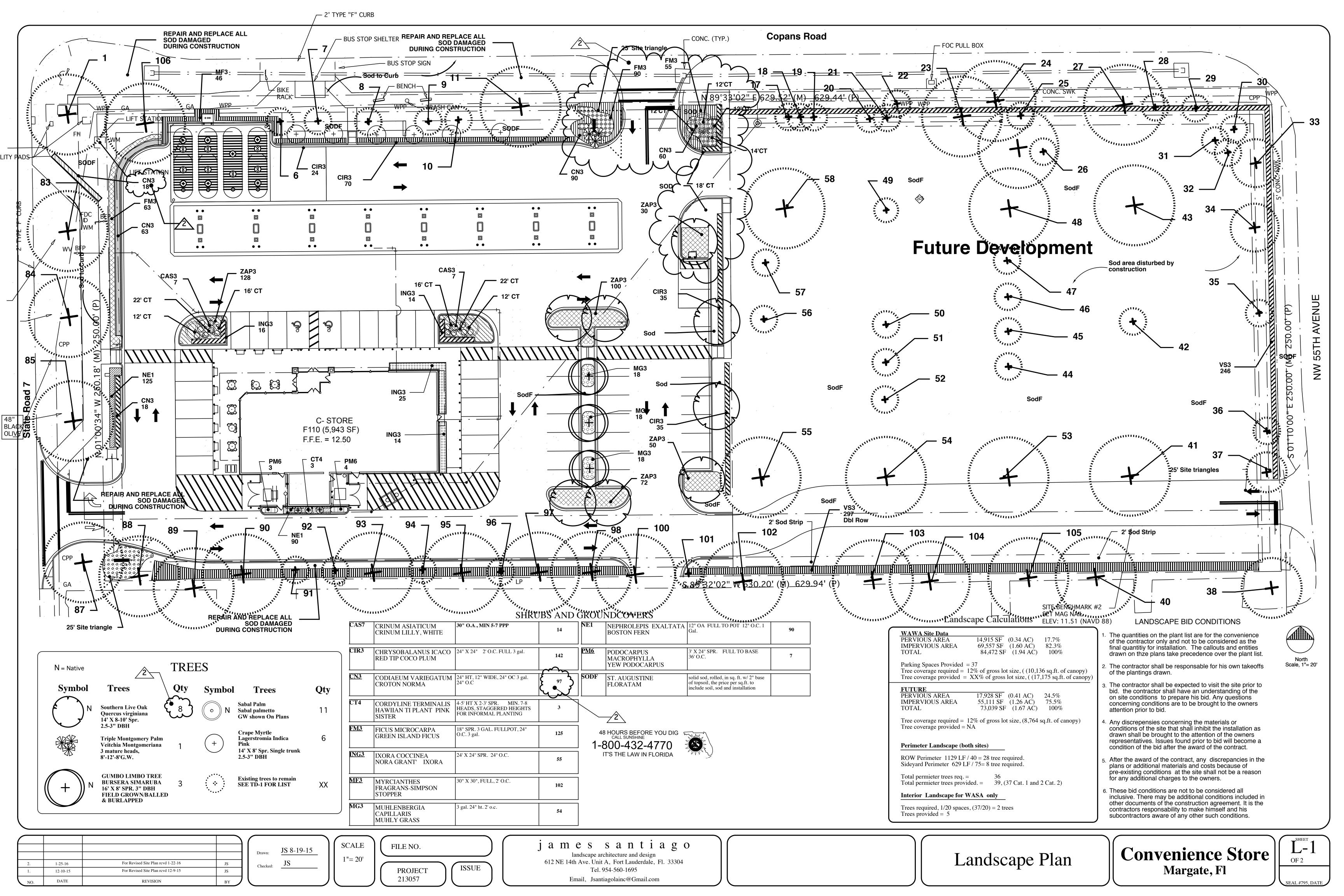
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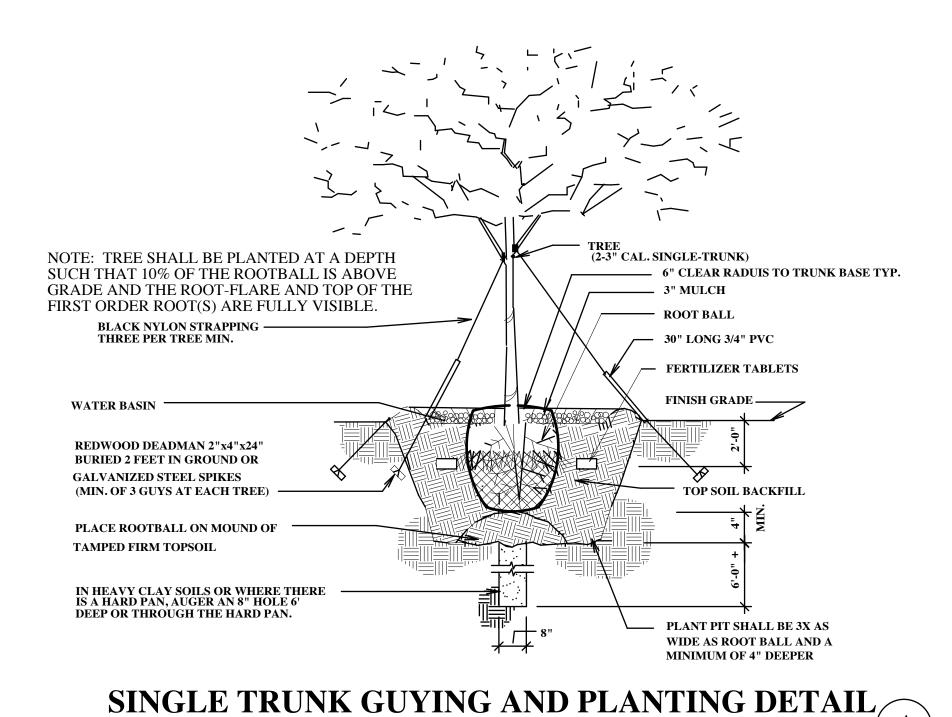
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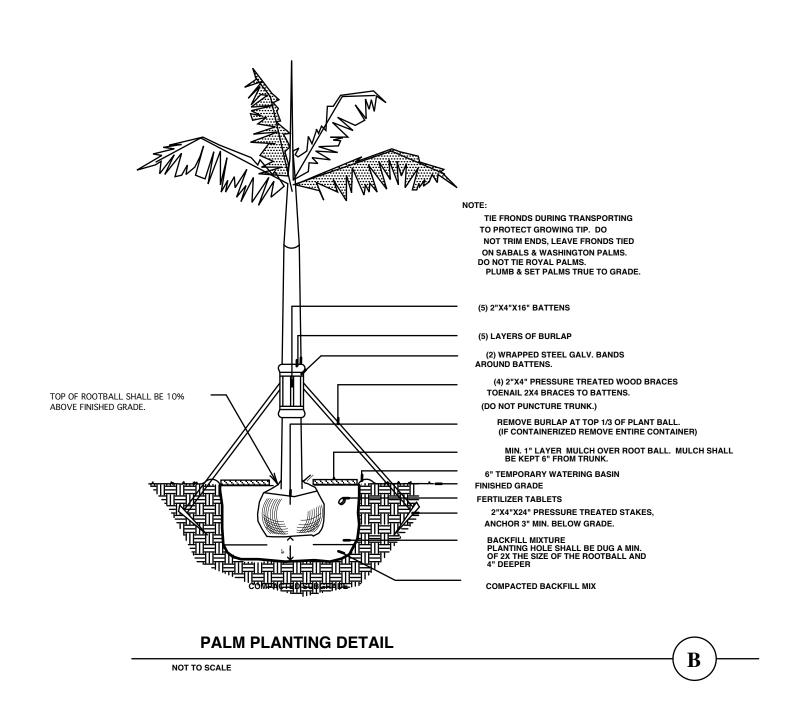
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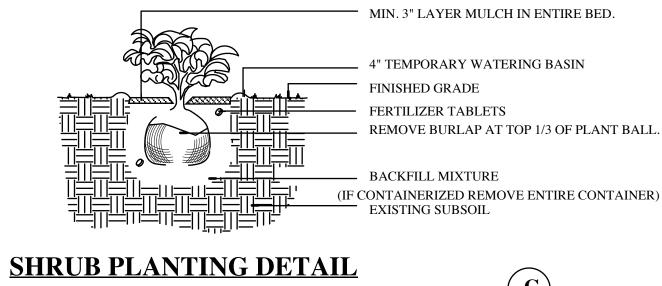
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## CITY OF MArgate LANDSCAPE CALCULATIONS **BASIS INFORMATION** GROSS SITE 423,906 SQ.FT. IMPERVIOUS 339,065 SQ.FT. VUA 138,311 SQ.FT. REQUIRED LOT GREENSPACE

(.15 X138,311) = 20,746.65 SQ.FT.

Green area = 84.841SQ.FT. Maximum sodded area= 50% = 42,420 SQ.FT. Sodded area provided = 41,000 SQ.FT.s

**TREES** PARKING AREA GREEN REQ. (15% OF VUA = 20,746.65), PROVIDED 26,889 SF

1. PARKING LOT TREES: 1/200SF OF REQ PARKING ISLAND, 20 ISLANDS = 20 TREES REQUIRED TREES PROVIDED

2. ON LOT TREES FOR GROSS LOT AREA:

TOTAL LOT TREES REQUIRED = 45 TOTAL PROVIDED = 45 4 PER 1ST 20,000 S.F. = 4 TREES

1 PER ADD'T 10,000 S.F. (of 403,906/10,000) = 41 trees

PROVIDED AS PALMS: XXX OF EXISTING = \_\_\_14\_\_\_\_ 20% MAX PALM COUNT

3. TOTAL PERIMETER TREES REQUIRED = 65 PERIMETER TREES PROVIDED = \_\_65\_\_ ADJ. TO RESIDENTIAL TO R.O.W. AND INDUSTRIAL ZONING

(1) 14'-16' HT. TREE PER 40 L.F. + 1ACCENT PER 100 L.F. = 91

TOTAL TREES REQ @ 14-16' HT. (2565 LF/ 40) = 65

ACCENTS REQ = 26

ACCENTS PROVIDED: \_\_\_\_27\_

2' HT. HEDGE PROVIDED ALONG ALL PERIMETERS

20 PER 1ST 20,000 S.F. OF GROSS LOT AREA REQ. = 408 SHRUBS 5 SHRUBS FOR EACH ADDITIONAL 1,000 S.F. TOTAL REQ. = 225 TOTAL PROVIDED: \_\_\_470\_\_\_

.MIN. 3" LAYER MULCH IN ENTIRE BED.

BACKFILL BETWEEN PLANTS 6" BEYOND

" PLANTING SOIL-(PER SPECS)

GROUNDCOVER = 225 TOTAL PROVIDED: \_\_\_11,498\_\_\_\_

- FINISHED GRADE

**Tree Protection Detail** NOT TO SCALE Rootbarrier, (see sheet L-2), shall be installed whenever a tree is less than 10feet from any sidewalk or curb. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING LANDSCAPE MATERIAL AND ROOTS WITHIN THE SCOPE AREA. ROOT BARRIER WILL BE PLACED ALONG ANY PAVEMENT WITHIN 5' OF ANY NEWLY SUPPLIED OR TRANSPLANTED TREE OR PALM, SEE SHEET TD-1 FOR SPECIFICATIONS.

## Tree Protection Detail

Linear Application of "DeepRoot Tree Root Barriers" at Time

BARRIER INSTALLED IN A TRENCH IN SUBGRADE

WHICH IS THEN COMPACTED. BARRIER IS SET SO THAT TOP EDGE WILL BE 2" (5CM) ABOVE

COMPACTED BASE (or halfway between base

FACE TOWARD TREE ROOTS.

TYPICAL SECTION OF CURB, GUTTER AND SIDEWALK INSTALLATION SEQUENCE:

**\***\$>

Trench to appropriate depth for

top of barrier is 2" (5cm) below

3. Place root barrier in trench, vertical

5. Place form material against barrier (It may be nailed from the outside

IMPORTANT NOTE: Tree location must align

with "as-built" center of barrie

ribs must face toward tree roots. Backfill and compact to requirements.

finish grade of top of sidewalk (or

halfway between top of compacted bas and finish grade of SW)

of Installing Concrete Sidewalks and Curbs

TYPICAL SECTION OF CURB AND GUTTER WITH DEEPROOT

TREE ROOT BARRIER INSET INTO CONCRETE.
BARRIER INSTALLED IN A TRENCH IN SUBGRADE WHICH IS

THEN COMPACTED. BARRIER IS SET SO THAT TOP EDGE WILL BE 2" (5CM) BELOW FINISH GRADE OF CURB, AND SET FLUSH WITH EDGE OF CURB. BARRIER RIBS FACE TOWARD

INSTALLATION SEQUENCE:

face toward tree roots.

Prepare base and subgrade

below finish grade of top of curb.

Backfill and compact to requirements.

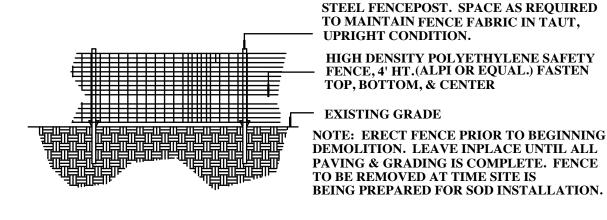
nailed from the outside of the form)

Trench to appropriate depth for installation of root barrier so that top of barrier is 2" (5cm)

Place root barrier in trench, vertical ribs mus

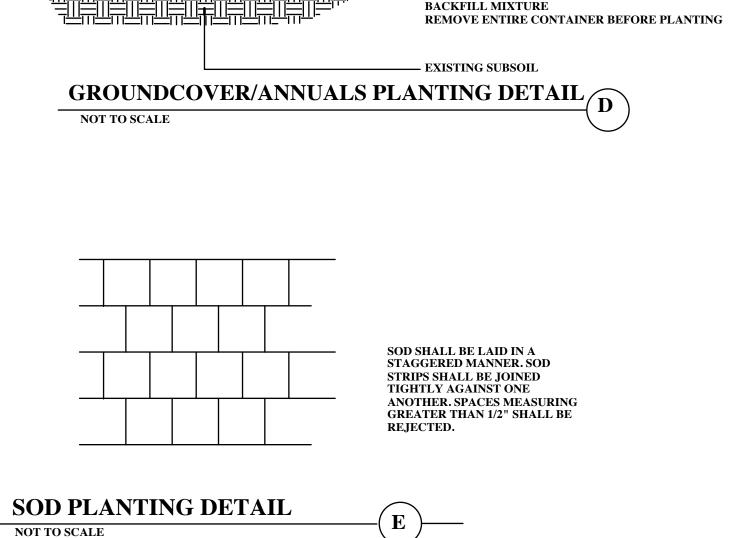
5. Place form material against barrier (It may be

Typical DeepRoot UB 24-2,



#### Planting Notes In case of conflict the notes on this sheet by the City of Davie, take precedence over all others found in these plans.

- 1. ALL SIZES SHOWN FOR PLANT MATERIAL ON PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN WILL ALSO BE REQUIRED FOR FINAL ACCEPTANCE.
- 2. ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED SHALL BE FLORIDA NO.1 OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, PART I & II, STATE PLANT BOARD OF FLORIDA. LATEST EDITION
- 3. IN ADDITION TO THESE REQUIREMENTS ALL LOCAL LANDSCAPE CODES AND REQUIREMENTS SHALL BE MET IN ORDER TO SATISFY THE REVIEW AND APPROVAL OF THE GOVERNING MUNICIPALITY.
- 4. ALL LANDSCAPING SCHEDULED TO OCCUR IN VEHICULAR USE AREAS SHALL BE PROTECTED FROM VEHICULAR ENCROACHMENT BY CURBING OR OTHER DURABLE BARRIERS.
- 5. ALL PLANTING HOLES SHALL BE A MINIMUM OF 2 1/2 TIMES THE DIAMETER OF THE PLANT BALL. ALL PLANTING HOLES AND GROUND COVER PLANTING BEDS SHALL BE EXCAVATED TO A DEPTH OF 30" TO REMOVE ALL OBJECTIONABLE MATERIALS, SUCH AS ROADROCK. ASPHALT, SUB-BASE, CONCRETE, ROCK, CAUSTIC MATERIALS WITH AN EXCESSIVE SOIL Ph. OR SIMILAR MATERIALS NOT SUITED FOR LANDSCAPE PLANTING.
- 6. ALL PLANT MATERIALS SHALL BE PLANTED IN PLANTING SOIL THAT IS DELIVERED TO THE SITE IN A CLEAN, LOOSE AND FRIABLE CONDITION. ALL SOIL SHALL HAVE A WELL DRAINED CHARACTERISTIC. SOIL MUST BE FREE OF ALL ROCKS, STICKS OBJECTIONABLE DEBRIS INCLUDING WEEDS AND WEED SEED. PLANTING MIX BACKFILL SHALL BE PROVIDED TO A MINIMUM DEPTH OF 30" IN ALL SHRUB HOLES AND GROUNDCOVER PLANTING AREAS.
- 7. ALL PLANT MATERIALS SHALL BE THOROUGHLY WATERED IN AT THE TIME OF PLANTING. NO DRY PLANTING SHALL BE PERMITTED. ALL PLANT MATERIALS SHALL BE PLANTED SUCH THAT THE TOP OF THE PLANT BALL IS FLUSH WITH THE SURROUNDING GRADE.
- 8. ALL PLANT MATERIALS SHALL BE INSTALLED WITH FERTILIZER WHICH SHALL BE STATE APPROVED AS A COMPLETE FERTILIZER CONTAINING THE REQUIRED MINIMUM OF TRACE MINOR ELEMENTS IN ADDITION TO N-P-K, OF WHICH 50% OF THE NITROGEN SHALL BE DERIVED FROM AN ORGANIC SOURCE.
- 9. ALL LANDSCAPE AREAS NOT COVERED BY SHRUBS OR GROUND COVERED SHALL BE COVERED BY SOD AND ALL AREAS NOT COVERED BY SOD SHALL BE COVERED WITH MALELUCA MULCH. TO A MINIMUM DEPTH OF THREE (3) INCHES OF COVER WHEN SETTLED. MULCH SHALL BE EUCALYPTUS OR STERILIZED MELALEUCA ONLY. MULCH IS TO BE HELD BACK 6 INCHES FROM THE TRUNK OF ANY TREE.
- 10 .SOD SHALL BE (AS NOTED) SOLID SOD , AND SHALL BE LAID ON A SMOOTH PLANTING BASE WHICH HAS BEEN GRADED TO MEET THE DRAINAGE CHARACTERISTICS OF THE SITE ALL SOD SHALL BE LAID WITH CLOSELY FITTED JOINTS, AND SHALI BE IN A GREEN AND HEALTHY GROWING CONDITION AT PLANTING. SOD SHALL BE PLACED ON A BED OF TOP SOIL 2" IN DEPTH. SOD SHALL BE ST. AUGUSTINE FLORATAM UNLESS NOTED OTHERWISE IN PLANTING NOTES OR ON THE PLANTING PLAN. RETENTION AREAS MAY REQUIRE BAHIA SOD.
- 11.ALL LANDSCAPE AREAS SHALL BE IRRIGATED BY A FULLY AUTOMATIC SYSTEM ADJUSTED TO PROVIDE 150% COVERAGE OF ALL LANDSCAPE AREAS. ALL HEADS SHALL BE ADJUSTED TO MIN. 50% OVERLAP. IRRIGATION WATER SHALL COME FROM A RUST FREE SOURCE.THERE AN AUTOMATIC SHUTOFF/RAIN SENSOR ATTACHED TO THE SYSTEM.
- 12. ANY SUBSTITUTIONS TO PLANT MATERIALS FOR AREAS AND ITEMS ADDRESSED BY LOCAL CODES SHALL BE APPROVED BY THE GOVERNING MUNICIPALITY PRIOR TO WORK PERFORMED.
- 13. ALL LANDSCAPE AREAS SHALL BE FINISH GRADED SUCH THAT THEY ARE FLUSH AND LEVEL WITH SURROUNDING PAVED SURFACES AS NOT TO IMPEDE THE FLOW OF DRAINAGE INTO LANDSCAPE AREAS AND TO PREVENT THE BACKWASH OF MULCH AND DEBRIS INTO PAVED AREAS.
- 14. ALL NEW LANDSCAPED ISLANDS ADJACENT TO EXISTING PAVEMENT SHALL BE EXCAVATED DOWN TO 24" DEPTH BELOW PAVEMENT. AND BACKFILLED WITH APPROVED SOIL
- 15. PLANTING PLAN TAKES PRECEDENT OVER PLANT LIST.
- 16. MULCH SHALL BE STERILIZED MELALEUCA MUCLH
- 17. FOR LANDSCAPE WITHIN THE SITE TRIANGLES
- A. HEDGES AND ANY OTHER LOW-GROWING VEGETATION SHALL BE MAINTAINED TO A MAXIMUM HEIGHT OFTWENTY-FOUR (24) INCHES. B.TREES LIMBS SHALL BE PRUNED TO PROVIDE A MINIMUM OF EIGHT (8) FEET OF VERTICAL CLEARANCE.



O.C. SPACING AS PER PLAN.

1-25-16 For Revised Site Plan rcvd 1-22-16 JS 12-10-15 For Revised Site Plan rcvd 12-9-15 JS DATE REVISION BY

NOT TO SCALE

NOT TO SCALE

JS 8-19-15

**SCALE** 1''=20'

FILE NO.

**PROJECT** 

213057

**ISSUE** 

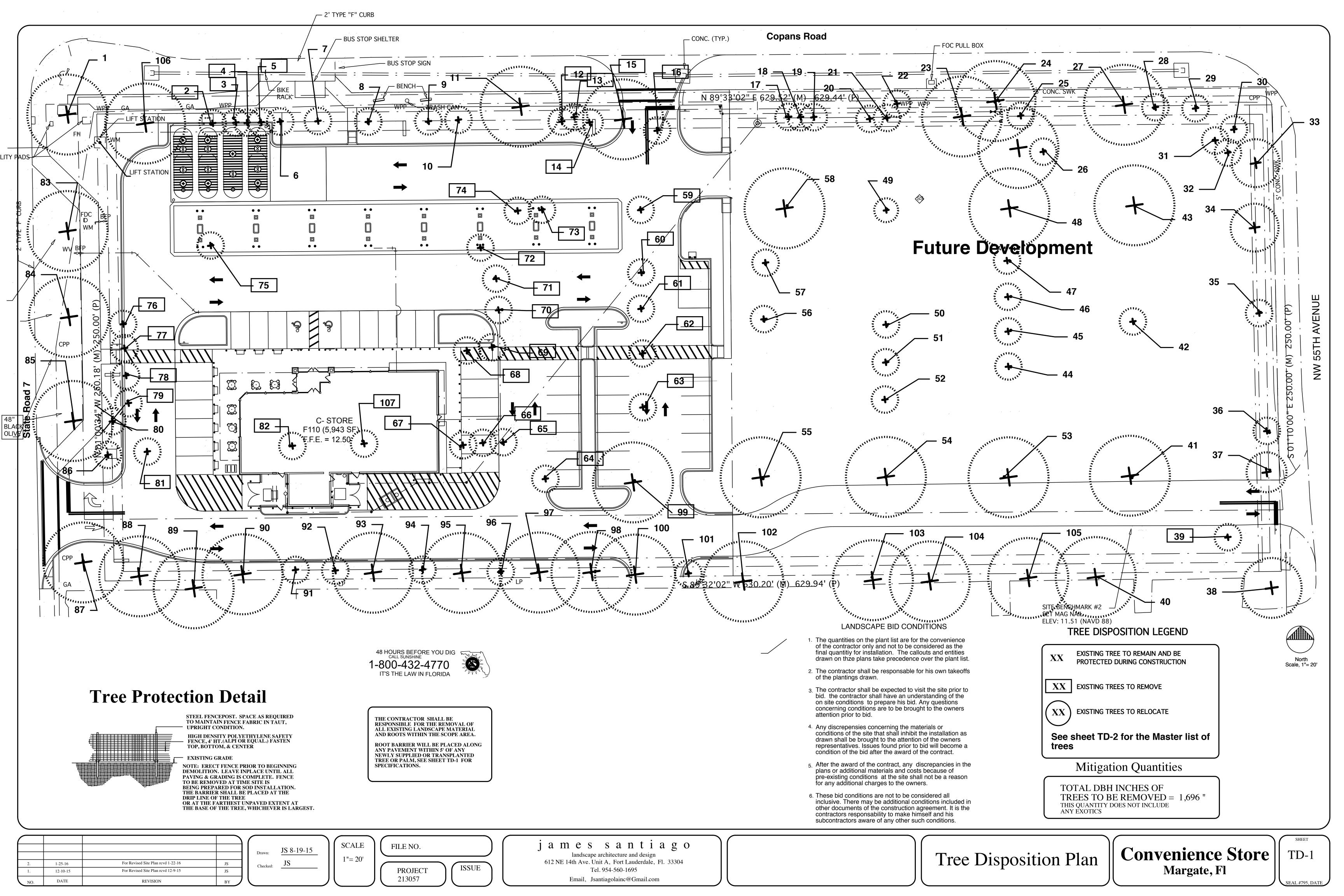
ames santiago landscape architecture and design 612 NE 14th Ave. Unit A, Fort Lauderdale, Fl. 33304 Tel. 954-560-1695

Email, Jsantiagolainc@Gmail.com

**Convenience Store** Landscape Details Margate, Fl

OF 2

SEAL #795, DATE



	Tree Inventory								Tre	ee Invento	ory	
Number	Tree Name	Caliper"	Spread / Ft.	Ht./ft.	Disposition	Canopy in sq.ft.	Nu	ımber	Tree Name	Caliper"	Spread / Ft.	Ht./ft.
001	Mahogany Tree	48	50	45	Remain	1963	0.	)26	Sabal Palm	12	8	12
002	Pigeon Plum Tree	12	8	10	Remove	50	0.	)27	Sabal Palm	12	30	24
003	Sabal Palm	12	8	12	Remain	50	0.	)28	Mahogany Tree	12	24	24
004	Sabal Palm	12	8	12	Remain	50	0.	)29	Mahogany Tree	12	24	24
005	Sabal Palm	12	8	12	Remain	50	0	030	Sabal Palm	12	8	12
006	Sabal Palm	12	8	12	Remain	50	0	031	Sabal Palm	12	8	12
007	Sabal Palm	12	8	12	Remain	50	0	032	Sabal Palm	12	8	12
008	Mahogany Tree	6	24	24	Remain	452	0	)33	Mahogany Tree	24	35	35
009	Mahogany Tree	6	24	24	Remain	452	0	034	Live Oak Tree	5	10	22
010	Mahogany Tree	8	22	20	Remain	380	0	035	Sabal Palm	5		28
011	Mahogany Tree	8	24	30	Remain	452	0	036	Live Oak Tree	4	8	14
012	Sabal Palm	12	8	12	Remove	50	0	)37	Mahogany Tree	14	30	34
013	Sabal Palm	12	8	12	Remove	50	0	)38	Mahogany Tree	35	49	34
014	Sabal Palm	12	8	12	Remove	50	0	)39	Sabal Palm	8		28
015	Mahogany Tree	8	8	14	Remove	50	0.	940	Acacia Tree	14	30	34
016	Pigeon Plum Tree	12	8	10	Remove	50	0	)41	Mahogany Tree	14	25	30
017	Sabal Palm	12	8	12	Remain	50	0	)42	Sabal Palm	12		8
018	Sabal Palm	12	8	12	Remain	50	0.	)43	Mahogany Tree	20	24	24
019	Sabal Palm	12	8	12	Remain	50	0.	)44	Sabal Palm	12		12
020	Sabal Palm	12	8	12	Remain	50	0.	)45	Gumbo Limbo Tree	4	12	10
021	Gumbo Limbo Tree	4"	12	24	Remain	113	0.	)46	Sabal Palm	12		12
022	Mahogany Tree	14	40	28	Remain	1257	0.	)47	Mahogany Tree	4	8	24
023	Mahogany Tree	24	28	28	Remain	616	0.	)48	Mahogany Tree	8	20	28
024	Mahogany Tree	12	30	14	Remain	707	0.	)49	Gumbo Limbo Tree	4	12	10
025	Pigeon Plumb Tree	3	6	14	Remain	28	0	050	Gumbo Limbo Tree	4	12	10

Number	Tree Name	Caliper"	Spread / Ft.	Ht./ft.	Disposition	Canopy in sq.ft.
051	Sabal Palm	12		10	Remain	0
052	Gumbo Limbo Tree	4	10	8	Remain	79
053	Mahogany Tree	14	20	40	Remain	314
054	Mahogany Tree	20	35	33	Remain	962
055	Mahogany Tree	40	30	50	Remain	707
056	Gumbo Limbo Tree	6	14	10	Remain	154
057	Sabal Palm	12		10	Remain	0
058	Mahogany Tree	60	50	50	Remain	1963
059	Mahogany Tree	24	45	35	Remove	1590
060	Sabal Palm	12		10	Remove	0
061	Sabal Palm	12		10	Remove	0
062	Sabal Palm	12		10	Remove	0
063	Sabal Palm	12		10	Remove	0
064	Sabal Palm	12		10	Remove	0
065	Sabal Palm	12		10	Remove	0
066	Sabal Palm	12		10	Remove	0
067	Sabal Palm	12		10	Remove	0
068	Royal Palm DBL	24	12	24	Remove	113
069	Royal Palm Triple	36	14	24	Remove	154
070	Royal Palm Triple	36	14	24	Remove	154
071	Royal Palm Triple		14	24	Remove	154
072	Sabal Palm	12		10	Remove	0
073	Sabal Palm	12		10	Remove	0
074	Sabal Palm	12		10	Remove	0
075	Sabal Palm	12		10	Remove	0

Number	Tree Name	Caliper"	Spread / Ft.	Ht./ft.	Disposition	Canopy in sq.
076	Royal Palm	12		28	Remove	0
077	Royal Palm	12		28	Remove	0
078	Royal Palm	12		28	Remove	0
079	Royal Palm	12		28	Remove	0
080	Montgomery Palm, Dbl	12		28	Remove	0
081	Sabal Palm	12		10	Remove	0
082	Phoenix Roebelenii Palm, Dbl	6	6	7	Remove	28
083	Mahogany Tree	60	50	50	Remain	1963
084	Mahogany Tree	64	50	50	Remain	1963
085	Mahogany Tree	66	60	50	Remain	2827
086	Montgomery Palm, Dbl	12	8	30	Remain	50
087	Mahogany Tree	8	22	24	Remain	380
088	Live Oak Tree	3	10	20	Remain	79
089	Mahogany Tree	16	30	30	Remain	707
090	Live Oak Tree	4	10	20	Remain	79
091	Live Oak Tree	4	10	20	Remain	79
092	Live Oak Tree	4	10	20	Remain	79
093	Mahogany Tree	16	30	30	Remain	707
094	Live Oak Tree	3	6	12	Remain	28
095	Mahogany Tree	16	30	30	Remain	707
096	Live Oak Tree	2	18	12	Remain	254
097	Mahogany Tree	18	40	30	Remain	1257
098	Live Oak Tree	4	8	24	Remain	50
099	Mahogany Tree	20	35	55	Remove	962
100	Mahogany Tree	50	50	30	Remain	1963
101	Live Oak Tree	4	8	12	Remain	50
102	Mahogany Tree	40	30	35	Remain	707
103	Earleaf Accacia Tree	40	35	30	Remain	962
104	Earleaf Accacia Tree	40	35	30	Remain	962
105	Earleaf Accacia Tree	40	35	30	Remain	962
106	Mahogany Tree	50	50	35	Remove	1963
107	Phoenix Roebelenii Palm, Dbl	6			Remove	0

**Tree Inventory** 

2.	1-25-16	For Revised Site Plan rcvd 1-22-16	JS
1.	12-10-15	For Revised Site Plan rcvd 12-9-15	JS
NO.	DATE	REVISION	BY

JS 8-19-15

SCALE

FILE NO.

PROJECT 213057

ISSUE

j a m e s s a n t i a g o landscape architecture and design 612 NE 14th Ave. Unit A, Fort Lauderdale, Fl. 33304 Tel. 954-560-1695 Email, Jsantiagolainc@Gmail.com

Disposition Canopy in sq.ft.

Remain

Remain

Remain

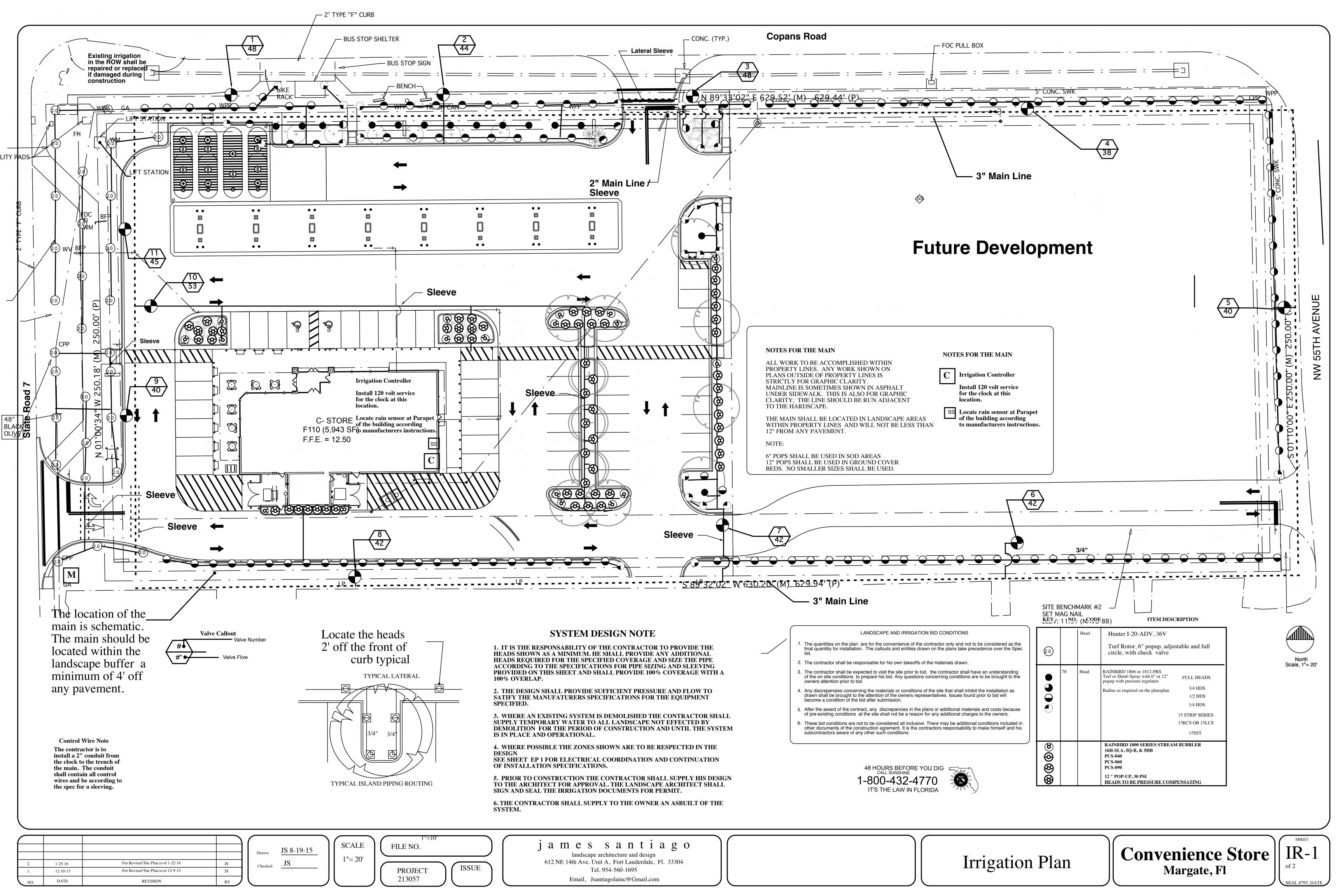
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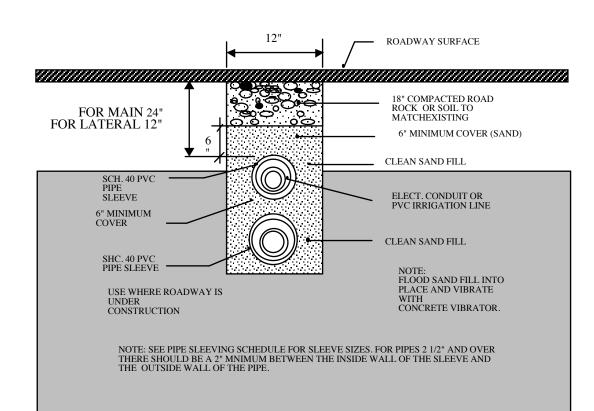
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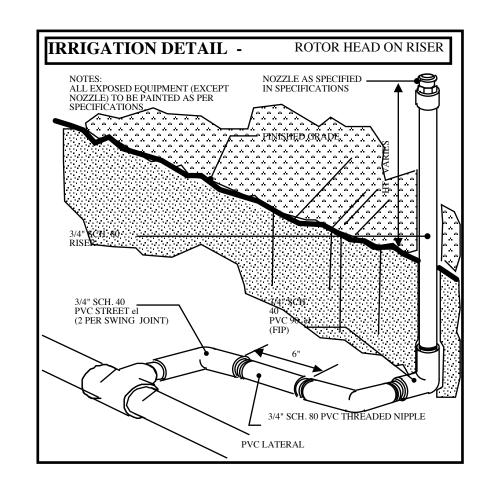


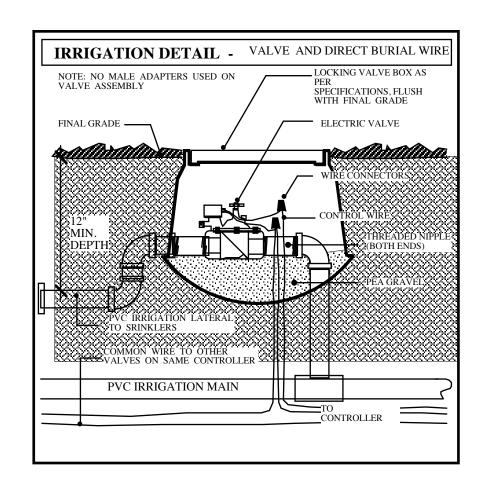
SEAL #795, DATE





ALSO FOR PIPE AND CONDUIT ACROSS ROADWAYS





#### TRUST BLOCK NOTES

- 1. Thrust block bearing areas shall be poured against undisturbed material. Where trench wall has been disturbed, excavate all loose material and extend to undisturbed material.
- Extend thrust block for full length of fittings. Put board in front of plug before pouring concrete. Joints shall not be covered by thrust block.
- 3. Rough blocking forms shall be used along sides of thrust blocks.
- 4. Thrust blocks shall be used in combination, as required, to suit the specific fitting arrangement. 5. Alternate designed restraining systems shall be provided where standard thrust blocking is not suitable.
- 6. All wood blocking shall be pressure treated with preservative.
- 7. Install a plastic bearier (Visquine) between fittings and thrust block.

	SCHEDUL	E FOR TH	RUST BLO	CK AREA	S	
PIPE SIZE (inches)	90Å BEND (Sq. Ft.)	45Ā BEND (Sq. Ft.)	22 Å2 BEND (Sq. Ft.)	11 <sup>1</sup> Ā BEND (Sq. Ft.)	TEE OR PLUG (Sq. Ft.)	DESIGN PRESSURE (P.S.I.)
2	.5	.3	.2	.1	.4	150
2.5	1.5	.8	.4	.2	1.1	150
3	1.5	.8	.4	.2	1.1	150
4	2.0	1.0	0.5	0.25	1.4	150

#### SCHEDULE OF TYPICAL THRUST BLOCK AREAS

SCALE: N.T.S.

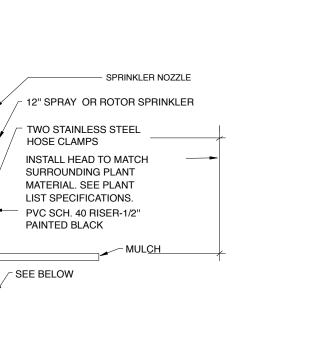


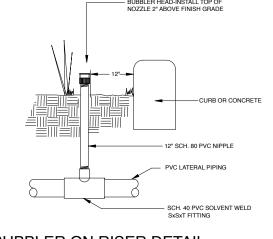
#### PIPE SIZING SCHEDULE 40 SLEEVE UNDER ALL PAVEMENT ACCORDING TO 0-7 GPM = 3/4" 8-12 = 1" 13-22 = 1 1/4" 23-30 = 1 1/2" 31-50 = 2" 51-70 = 2 1/2"

71-110

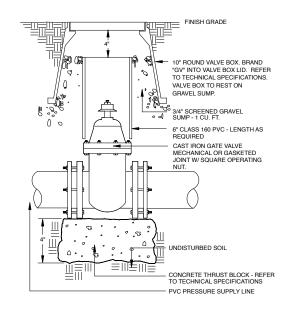
= 3"

THE SCHEDULE BELOW.				
PIPE SLEEVING SCHEDULE				
PIPE SIZE	SLEEVE SIZE			
1"	2"			
1 1/4"	2"			
1 1/2"	3"			
2"	4"			
2 1/2"+	6"			
NOTE THAT NO SLEEVE SHALL BE LESS THAN 2"				

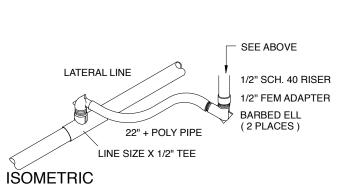




BUBBLER ON RISER DETAIL SCALE: N.T.S.



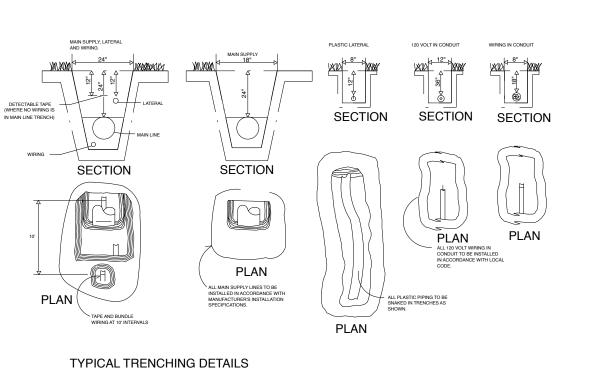
ANGLE 24" DEPTH

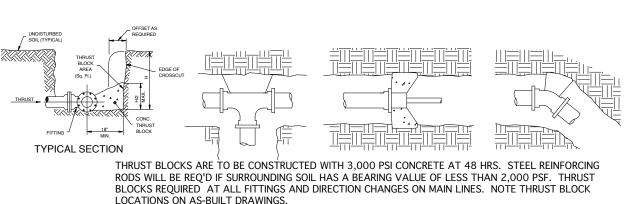


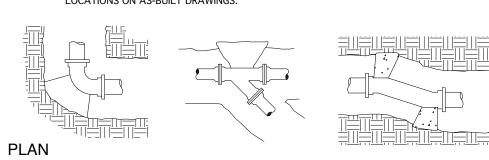
12" POP-UP ON RISER SCALE: N.T.S.

GATE VALVE 3" AND UP

SCALE: N.T.S.







TYPICAL THRUST BLOCK DETAIL

### **SYMBOL** MANUFACTURER/MODEL/DESCRIPTION Rain Bird PGA-PRS-D- Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe. With Pressure Regulator Module. Nibco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location. Size Range - 1/4" - 3" Rainbird ESP LX 12 station controller wall mounted in an LX-MM metal enclosure. Attach RSD-BEX rain sensor as per manufacturers specification. Provide conduit from controller to sensor location. Irrigation Lateral Line: PVC Class 160 SDR 26 PVC Class 315 for 1/2" pipe, PVC Class 200 for 3/4" pipe, PVC Class 160 SDR 26 for 1" and above. Irrigation Mainline: 2 1/2" PVC Class 200 SDR 2 PVC Class 200 irrigation pipe. Pipe Sleeve: HDPE PE4710 DR 11 (202psi) Typical pipe sleeve for irrigation pipe. See chart. 1 1/2" CITY WATER METER by the City. Valve Callout

#### **INSTALLATION NOTE:**

1. IRRIGATION CONTRACTOR SHALL NOT BE ALLOWED TO USE A MECHANICAL TRENCHER WHEN INSTALLING LATERALS, MAINS, AND/OR WIRING OR ANY OTHER MATERIAL NECESSARY FOR THE IRRIGATION SYSTEM WITHIN 10' FROM THE FACE OF AN EXISTING TREE. ALL TRENCHES WITHIN THE 10' OF THE TREE SHALL BE HAND DUG. ALL ROOTS EXPOSED SHALL BE CUT CLEANLY WITH NO JAGGED EDGES AND/OR TEARS.

2. THE WATER SOURCE SHALL BE FROM THE EXISTING LAKE 3. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED PER THE SOUTH FLORIDA BUILDING CODE LATEST EDITION. 4. THE LOCATION OF THE MAIN IS SCHEMATIC. 5. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY AND CONSTRUCTION DOCUMENTS. 6. THESE PLANS ARE NOT COMPLETE WITHOUT THE COMPLETE SET OF LANDSCAPE PLANS, SHEET L-1 AND L-2

7. THE LAYOUT AND ZONING ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE ACTUAL LAYOUT AND WATER LOADS MAY BE REVISED BY THE CONTRACTOR TO ACCOMODATE CONSTRUCTION.

#### IRRIGATION MASTER KEY

KEY	NO.	CODE	E ITEM DESCRIPTION	INSTALLATION SPEC.
2.0		Head	Hunter I-20-ADV, 36V  Turf Rotor, 6"" popup, adjustable and full circle, with check valve	"All heads in open grass areas to be mounted on polypipe swing joints.  Height of heads adjusted to finish grade and sod. Heads on risers in shrub areas to be installed 6"" above plant height, with risers on rigid pvc swing joints."
	78	Head	RAINBIRD 1806 or 1812-PRS Turf or Shrub Spray with 6" or 12" popup with pressure regulator Radius as shown on plan  3/4 HDS 1/2 HDS 1/4 HDS 15 STRIP SERIES 15RCS OR 15LCS 15SST	"All heads in open grass areas to be mounted on polypipe swing joints.  Height of heads adjusted to finish grade and sod. Heads on risers in shrub areas to be installed 6"" above plant height, with risers on rigid pvc swing joints."
<b>\$</b>	00C26	CON	SEE SHEET IR-1 FOR THE LOCATION OF THE CLOCK AND METER.	
	11	PIPE GEN NOTE	LATERAL PIPE All New Pipe and Fittings. Size as noted in plans. ALL MAINLINE PIPE SHALL BE SCH 40	3/4" Pipe to be Class 200. All other lateral pipe to be Class 160, excess where ground is rocky; in rocky ground SCH 40 pipe will be used or Class 200/160 will be protected on all sides with at least 6" of clean, debris-free builders sand. All laterals to be placed 12" minimum below grade. All lateral pipe under pavement to be sleeved. No lateral installed shall be less than 3/4".
<b>∞</b> ⊗ ⊗ ⊗	56.5	Head	RAINBIRD 1800 SERIES STREAM BUBBLER 16H-SLA, 5Q-B, & 5HB PCS-040 PCS-060 PCS-090 6 " POP-UP, 30 PSI HEADS TO BE PRESSURE COMPENSATING	Height of heads adjusted to finish grade.
	13	PIPE GEN NOTE	PIPES NEAR EXISTING TREES  EXISTING TREES TAKE PRIORITY OVER PROPOSED IRRIGATION LINES. CONTRACTOR SHALL MAKE ADJUSTMENTS WHERE NECESSARY TO ACCOMODATE EXISTING TREES.	Particular care shall be taken while installing pipe in the vicinity of existing or newly planted trees.Laterals shall run clear of rootballs and heads set to throw back toward trees
	10	MAIN LINE NOTE	MAIN LINE NOTE  ALL MAINLINE PIPE SHALL BE SCH 40  MAINLINE SHOWN ON PLANS AS SCHEMATIC ONLY. MAINLINE SHALL BE INSTALLED WITHIN PROPERTY LINES AT ALL TIMES.	Main lines location is shown schematically. Where ever possible, lateral lines are to be buried in common trench with main line. All wires shall be run under mains for protection . All Mains shall be buried at minimum 24" depth. Mains should run deeper at road crossings. All pipe and fitting materials shall be new. All pipe to be cut squarely and burrs removed. All P.V.C. Mainline 4" and larger to be assembled with use of HARCO Gasketed fittings and poured concrete thrust blocks as per manf. specifications.
	01	CODE REQ.	Contractor shall comply w/ all Local Codes & include any and all Code requirements in their Base Bid. Extras shall be awarded the Contractor for materials work that are a basic requirement of codes whether or details are shown in schematic plans or not. ALL CONSTRUCTION MINIMUMS SHALL BE EQUAL TO OR GREATER THAN THE STANDARDS AS SET FORTH BY THE FLORIDA IRRIGATION SOCIETY INC. (FIS)	Contractor to supply and install all check valves, back flow preventers, and supply in the bid the cost for all permits, etc., as required by these codes even if those items are not shown on drawings. Each municipality making inspections for a job C.O., shall have it's own list of requirements which shall be included in the base bid and provided as part of the installation." It is the sole responsibility of the General Contractor to assure compliance with all local codes.
	02	CONTR NOTE	IRRIGATION CONTRACTOR UTILITIES ABOVE AND BELOW GROUND.	Contractors shall be responsible for the location and verification of all overhead and underground utilities. Contractor shall coordinate with all of the appropriate agencies to verify utilities in the field. Contractor shall be responsible for the protection and maintenance and any damage to existing utilities and structures that may occur in the implementation of the scope of this project. CONTRACTORS MUST USE THE NEW STANDARD SCHEDULE  OF COLORS DESIGNATED FOR MARKINGS ON THE GROUND, 1994 edition or better.
•	00V1	WIRE LOW VOLT	Control wires for 24V Automatic Valves, shall be installed by Irrigation Contractor. Where required wire shall be sleeved in minimum 1" SCH 40 pipe electrical conduit buried beneath the mainline, where not possible wire shall be sleeved and at no less than 12" depth Contractor shall run two spare control wires to the furthest ends of system in each direction. Common wire shall be white, while the control wires shall each be a different color, and be different from spares	All irrigation control wires shall be U. L. approved 24V solid copper wire. Wires shall operate 24V automatic sprinkler valves and enter the box from below. Individual control wires to be AWG size 14 gauge and common wires to be AWG white size 12 gauge.  All  BE APPROVED BY THE LAND. ARCH. ALL VALVE BOXES SET LEVEL W/GRADE  Loop up spare wires at each control valve ALL SPLICING SHALL BE DONE IN VALVE BOXES ONLY.
	00V11	VALV BOX	VALVE COVER BOX - AMETEK Heavy Duty Box Locking Covers, with JVB-12 Box12"d with 14"x20"Cover	All valve assemblies to be installed below grade shall include AMETEK valve boxes with a 2" layer of drainage gravel as clean dry ballast for a bottom. Install top of box flush with surrounding grade, grass or mulch depending on location. Group valve assemblies so they are accessible with the correct size box. Any substitutions must be approved by landscape architect by providing sample or product information for review and written approval.
•	00V1A	VALVE	PGV-101 to 201G - S - DC = 1" Globe valve, with flow control, slip x slip, and DC latching solenoid  Electric w/ 24V Solenoid - SIZE OF VALVE TO ACCOMMODATE SYSTEM  2-20 GPM 1" 20-50 GPM 1.5" 50-100 GPM 2"	"All Valves shall be installed in a separate AMETEK valve box. All valve boxes to be placed upon a 2"" layer of gravel. All valves assembled with IPS threaded nipples and then to PVC adapters. Top stem of valve assembly to be 6" below cap of valve cover box. This valve shall be used as the job standard Valve controlling each Zone as well as use as the Master Control Valve for applicable plans. All valve box locations to be approved by the Landscape Architect. All boxes to be set level with grade.
			Rain Bird PGA-PRS-D- Globe 1", 1-1/2", 2" Electric Remote Control Valve, Globe. With Pressure Regulator Module.	

1-25-16 For Revised Site Plan rcvd 1-22-16 JS 12-10-15 For Revised Site Plan rcvd 12-9-15 JS DATE REVISION BY

JS 8-19-15

SCALE 1"=20'

SCALE: N.T.S.

213057

FILE NO. ISSUE **PROJECT** 

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SCALE: N.T.S.

Irrigation Details

Convenience Store Margate, Fl

IR-2

SEAL #795, DATE