

LOCATION MAP NOT TO SCALE:

DEDICATION:

KNOW ALL MEN BY THESE PRESENTS THAT MUH VILLA,LLC,A FLORIDA LIMITED LIABILITY COMPANY, OWNER OF THE LAND SHOWN HEREON, BEING IN SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, CITY OF DELRAY BEACH, PALM BEACH COUNTY, FLORIDA, SHOWN HEREON AS "BOND PLAT", BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF TRACT FIVE OF CORRECTION MAP SHOWING SUBDIVISION OF PROPERTY OF HARRY SEEMILLER, SITUATED IN LOTS 36, 1, 2, AND 3 IN SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, AS RECORDED IN PLAT BOOK 9, PAGE 72 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, LYING EAST OF BUT NOT ADJACENT TO STATE HIGHWAY NO. 5 (US HIGHWAY #1) AND LYING WEST OF THE CENTERLINE OF N. E. BTH AVENUE BEING AS SHOWN ON THE PLAT OF KENMONT, RECORDED IN PLAT BOOK 20, PAGE 65 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA) MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PALM BEACH COUNTY, FLORIDA) MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINE OF SAID N. E. 8TH AVENUE
AND THE SOUTH LINE OF SAID TRACT FIVE; THENCE N. 90°00°00° W. ALONG THE SOUTH
LINE OF SAID TRACT FIVE A DISTANCE OF 25.00 FEET TO THE POINT OF BEGINNING OF
THIS DESCRIPTION; THENCE CONTINUING N. 900°00°00° W. ALONG THE SOUTH LINE OF SAID
TRACT 5. A DISTANCE OF 167.27 FEET; THENCE N. 90°00°00° E. A DISTANCE OF 100.00
FEET; THENCE N. 90°00°00° E. A DISTANCE OF 42.27 FEET; THENCE N. 90°00°00° E. A
DISTANCE OF 70.27 FEET TO A POINT BEING 70.00 FEET SOUTH OF THE NORTH LINE OF
SAID TRACT 5; THENCE N. 89°56'30° E. ALONG A LINE 70.00 FEET SOUTH OF AND
MEASURED AT A RIGHT ANGLE TO THE NORTH LINE OF SAID TRACT 5. A DISTANCE OF
125.00 FEET; THENCE S. 00°00°00° W. ALONG A LINE 25.00 FEET WEST OF THE
PROLECTION OF THE CENTERLINE EXTENSION N.E. 8TH AVE; A DISTANCE OF 170.39 FEET
TO THE POINT OF BEGINNING OF THIS DESCRIPTION.

HAVE CAUSED SAID LANDS TO BE SURVEYED AND PLATTED AS SHOWN HEREON AS THE BOND PLAT AND FURTHER DEDICATE AS FOLLOWS: LOTS 1 AND 2 ARE HEREBY PLATTED FOR PRIVATE PURPOSES AS PURSUANT TO THE PLANNING AND ZONING REGULATIONS OF THE CITY OF DELRAY BEACH.

GENERAL UTILITY (G.U.) EASEMENTS ARE MADE TO ANY PUBLIC OR PRIVATE UTILITY, SUCH AS BUT NOT LIMITED TO, STORM DRAINAGE, ELECTRIC POWER, GAS SERVICE TELEPHONE LINES AND CABLE TELEVISION; PROVIDED HOWEVER, NO SUCH CONTRUCTION, INSTALLATION, MAINTENACE AND OPERATION OF CABLE TELEVISION SHALL INTERFERE WITH THE FACILITY AND SERVICES OF ELECTIC, TELEPHONE, GAS OR OTHER PUBLIC FACILITY

_____ BY: __

PRINT NAME: _____ PRINT NAME; ____

MJH VILLA, LLC, A FLORIDA LIMITED LIABILITY COMPANY

WITNESS: ___

WITNESS: ___

PRINT NAME: ___

CONTAINING 25,518.31 SQUARE FEET OR 0.5858 ACRES MORE OR LESS.

BOND PLAT

A REPLAT OF A PORTION OF TRACT 5, HARRY SEEMILLER, AS RECORDED IN PLAT BOOK 9, PAGE 72 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA LYING IN SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, CITY OF DEIRAY BEACH, PALM BEACH COUNTY, FLORIDA SHEET NO. 1 OF 2 AUGUST, 2015

ACKNOWLEDGEMENT:

STATE OF FLORIDA COUNTY OF PALM BEACH
BEFORE ME PERSONALLY APPEARED
WITNESS MY HAND AND SIGNATURE THIS DAY C DAY C
MY COMMISSION EXPIRES: NOTARY PUBLIC NAME: COMMISSION NO,
CITY APPROVAL:
THIS PLAT OF "BOND PLAT" AS APPROVED ON THE DAY OF DAY OF A.D. 2015 BY THE CITY COMMISSON OF THE CITY OF DELRAY
MAYOR ATTEST:CITY CLERK
AND REVIEWED, ACCEPTED, AND CERTIFIED BY:
DIRECTOR OF PLANNING AND ZONING FIRE MARSHALL
CITY ENGINEER
TITLE CERTIFICATION:
STATE OF FLORIDA) COUNTY OF PALM BEACH)
I A DULY LINCENSED ATTORNEY IN THE STATE OF FLORIDA, DO HEREBY CERTIFY THAT I HAVE EXAMINED THE TITLE TO THE HEREON DESCRIBED PROPERTY: THAT I FIND THE TITLE TO THE PROPERTY IS VESTED TO MAI MILLA, LLC; THAT THE CURRENT TAXES HAVE BEEN PAID; THAT THERE ARE NO MORTGAGES OF RECORD; AND THAT THERE ARE ENCUMBRANCES OF RECORD, BUT THOSE ENCUMBRANCES DO NOT PROHIBIT THE CREATION OF THE SUBDIVISION DEPICTED BY THIS PLAT.
DATE BY: NAME ATTORNEY_AT_LAW

THIS INSTRUMENT PREPARED BY:

PAUL A. DAVIS, INC.

Land Surveyors · Land Development · Consultants · Planners
2097 N.E. 36TH STREET # 50234 LIGHTHOUSE POINT, FL. 33074





LAND SURVEYOR



REVIEWING SURVEYOR

STATE OF FLORIDA
COUNTY OF PALM BEACH
THIS PLAT WAS FILED FOR
RECORD AT ______M. THIS _____DA'
OF ______2015, AND DULY
RECORDED IN PLAT BOOK NO.____ ON PAGES__

SHARON R. BOCK CLERK AND COMPTROLLER __D.C.

SURVEYOR'S CERTIFICATION:

THIS IS TO CERTIFY THAT THE PLAT SHOWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY MADE UNDER MY RESPONSIBLE DIRECTION AND SUPERWISION; THAT SAID SURVEY IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELLIEF; THAT PERMANENT REFERENCE MONUMENTS (P.R.M.'S) AND MONUMENTS ACCORDING TO SEC. 177.091 (9), F.S. HAVE BEEN PLACED AS REQUIRED BY LAW; AND, FURTHER, THAT THE SURVEY DATA COMPLIES WITH ALL THE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES, AS AMENDED, AND THE ORDINANCES OF THE CITY OF DELRAY BEACH, FLORIDA.

DATE:		

PAUL A. DAVIS SURVEYOR AND MAPPER NO. 4531

REVIEWING SURVEYOR'S STATEMENT:

THIS PLAT HAS BEEN REVIEWED IN ACCORD	DANCE WITH CHAPTER 177.081, FLORIDA
DATE:	
	DAVID P. LINDLEY, P.L.S.
	FLORIDA REGISTRATION NO. 5005 CAULFIELD WHEELRER, INC.
	LICENSE BUSINESS NO. L.B. 3591

NOTES:

THE CITY OF DELRAY BEACH IS HEREBY GRANTED THE RIGHT OF ACCESS FOR EMERGENCY AND MAINTENANCE PURPOSES

BEARINGS SHOWN HEREON, ARE BASED ON GRID NORTH, (NORTH AMERICAN DATUM 83 (90) ADJUSTMENT) WITH THE EAST LINE OF SECTION 9, TOWNSHIP 48 SOUTH, RANGE 43 EAST, ALSO BEING THE CENTERLINE OF NORTH 8TH AVENUE, HAVING A BEARING OF

NOTICE: THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

THIS INSTRUMENT WAS PREPARED BY PAUL A. DAVIS, IN THE OFFICE OF PAUL A. DAVIS, INC., 4710 NE 17TH AVE POMPANO BEACH, FL. (954) 698-9101

PERMANENT REFERENCE MONUMENTS ARE SHOWN THUS:

BENCH MARK REFERENCE PALM BEACH COUNTY VERTICAL CONTROL BENCH MARK (RIBBIT) N.G.V.D. (1929) ELEVATION = 15.272 FEET

CONSTRUCTION OR LANDSCAPING MUST BE IN CONFORMANCE WITH ALL BUILDING AND ZONING CODES AND/OR ORDINANCES OF THE CITY OF DELRAY BEACH,

THERE SHALL BE NO BUILDINGS OR ANY KIND OF CONSTRUCTION PLACED ON WATER, SEWER OR DRAINAGE EASEMENTS. NO STRUCTURES SHALL BE PLACED WITHIN A HORIZONTAL DISTANCE OF 10 FEET FROM ANY EXISTING OR PROPOSED CITY OF DELRAY BEACH MAINTAINED WATER, SEWER OR DRAINAGE FACILITIES. CONSTRUCTION OF LANDSCAPING UPON MAINTENANCE OR MAINTENANCE ACCESS EASEMENTS MUST BE IN CONFORMANCE WITH ALL BUILDING AND ZONING CODES AND/OR ORDINANCES OF THE CITY OF DELRAY BEACH.

 $BOND\ PLAT$ A REPLAT OF A PORTION OF TRACT 5, HARRY SEEMILLER, AS RECORDED IN PLAT BOOK 9, PAGE 72 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA LYING IN SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, CITY OF DERAY BEACH, PALM BEACH COUNTY, FLORIDA SHEET NO. 2 OF 2 AUGUST, 2015

STATE OF FLORIDA
COUNTY OF PALM BEACH
THIS PLAT WAS FILED FOR
RECORD AT ______ AT HIS ___ DA
OF ____ 2015, AND DULY
RECORDED IN PLAT BOOK
NO. _____

SHARON R. BOCK CLERK AND COMPTROLLER

BEARINGS SHOWN HEREON, ARE BASED ON GRID NORTH, (NORTH AMERICAN DATUM 83 (90) ADJUSTMENT) WITH THE EAST LINE OF SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, ALSO BEING THE CENTERLINE OF NORTH 8TH AVENUE, HAVING A BEARING OF NORTHO'CO'E.

BENCH MARK REFERENCE PALM BEACH COUNTY VERTICAL CONTROL BENCH MARK (RIBBIT) N.G.V.D. (29) ELEVATION = 15.272 FEET

LEGEND:

= PLAT BOOK (PALM BEACH COUNTY, RECORDS) UNLESS STATED OTHERWISE

PG.

P.R.M.

- PERMANENT REFERENCE MONUMENT (4"X4" CONCRETE MONUMENT 1 1/4" STEEL DISC STAMPED P.R.M. LB7219)

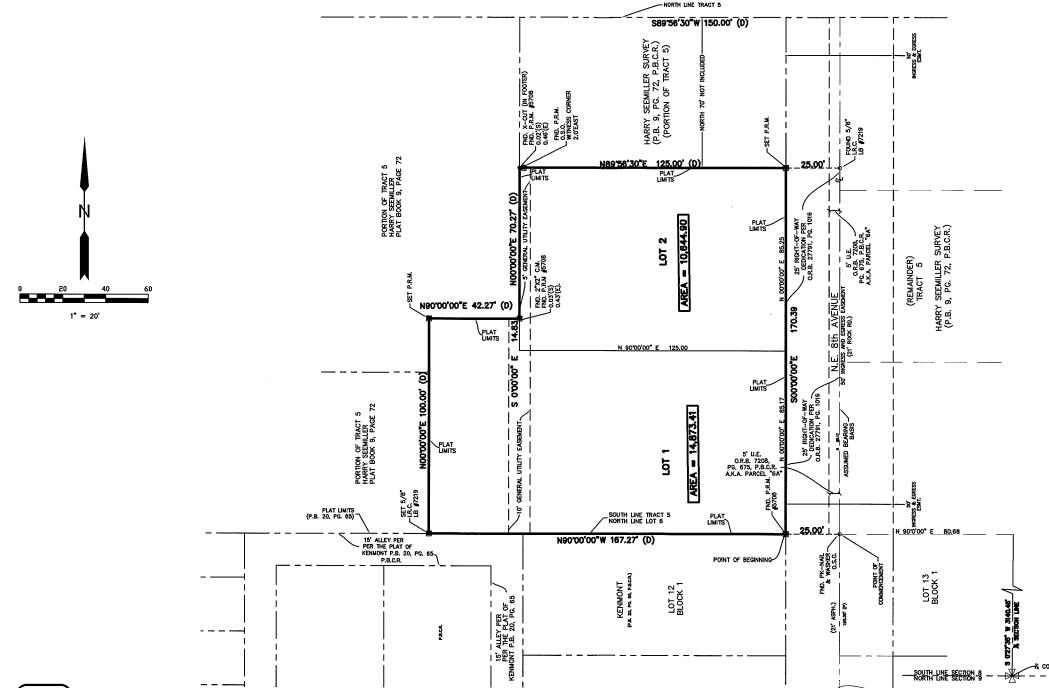
P.B.C.R. = PALM BEACH COUNTY RECORDS

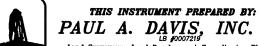
- ELEVATION (NATIONAL GEODETIC VERTICAL DATUM) 1929

= IDENTIFICATION

P.C.E.D. = PALM BEACH COUNTY ENGINEERING DEPARTMENT

O.R.B. = OFFICIAL RECORD BOOK





Land Surveyors Land Development Consultants Planners
2097 N.E. 36TH STREET # 50234 LIGHTHOUSE POINT, FL. 33074
Phone: (954) 421-9101 & (954) 688-9101 fax: (954) 421-5201
Subdivides & Condominant Lord & Sie Phoning - Sondry Sweet Systems - Note Systems - Uniong Design Pring Design
Ld Surreys Bestgap Surreys - Kentops Surreys - Record Plats - Condominant Plats - Construction Legol

THAT PORTION OF TRACT FIVE OF CORRECTION MAP SHOWING SUBDIVISION OF PROPERTY OF HARRY SEEMILLER, SITUATED IN LOTS 38, 1, 2, AND 3 IN SECTION 9, TOWNSHIP 46 SOUTH, RANGE 43 EAST, AS RECORDED IN PLAT BOOK 9, PAGE 72 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, LYING EAST OF BUT NOT ADJACENT TO STATE HIGHWAY NO. 5 (US HIGHWAY #I) AND LYING WEST OF THE CENTERLINE OF N. E. 8TH AVENUE FURTHER OF N. E. 8TH AVENUE FURTHER AS SHOWN ON THE PLAT OF KENMONT, RECORDED IN PLAT BOOK 20, PAGE 65 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA) MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINE OF SAID N. E. 8TH AVENUE AND THE SOUTH LINE OF SAID TRACT FIVE; THENCE N 90'00'00" W ALONG THE SOUTH LINE OF SAID TRACT FIVE A DISTANCE OF 25.00 FEET TO THE POINT OF EEGINNING OF THIS DESCRIPTION; THENCE CONTINUING N 90'00'00" W ALONG THE SOUTH LINE OF SAID TRACT 5, A DISTANCE OF 167.27 FEET; THENCE N 90'00'00" E A DISTANCE OF 167.27 FEET; THENCE N 90'00'00" E A DISTANCE OF 100.00 FEET; THENCE N 90'00'00" E A DISTANCE OF 100.00 FEET; THENCE N 90'00'00" E A DISTANCE OF 70.27 FEET TO A POINT BEING 7.00 FEET SOUTH OF THE NORTH LINE OF SAID TRACT 5; THENCE N 89'56'30" E ALONG A LINE 70.00 FEET SOUTH OF AND MEASURED AT A RIGHT ANGLE TO THE NORTH LINE OF SAID TRACT 5, A DISTANCE OF 125.00 FEET; THENCE S 00' 00'00" W ALONG A LINE 25.00 FEET WEST OF THE PROJECTION OF THE CENTERLINE EXTENSION N.E. 8TH AVE; A DISTANCE OF 170.39 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION.

CONTAINING 25,518.31 SQUARE FEET OR 0.5858 ACRES MORE OR LESS.

SURVEYOR'S NOTES:

- 1. ALL BEARINGS OR ANGLES SHOWN HEREON ARE BASED ON THE RECORD PLAT UNLESS OTHERWISE NOTED, ASSUMED EAST LINE NORTH
- 2. LANDS SHOWN HEREON WERE ABSTRACTED FOR EASEMENT OR RIGHTS-OF-WAY. PER TITLE COMITMENT NO CM-1-1693-289 E. DATE 3-04-03
- NIGHTS-OF-WAY, PER TITLE COMITMENT NO CM-1-1693-289 E. DATI
 3. THIS SURVEY MEETS THE STANDARDS OF PRACTICE AS SET
 FORTH IN CHAPTER 51-17 FLORIDA ADMINISTRATIVE CODE.

 4. THIS SURVEY OF THE PROPERTY SHOWN HEREON IS IN ACCORDANCE
 WITH THE DESCRIPTION FURNISHED BY: CLIENT
 5. REBARS AND CAPS WERE SET ON ALL CORNERS UNLESS OTHERWISE
 NOTED.

- 6. FIELD WORK COMPLETED ON: 03-27-03 THIS SURVEY IS NOT VALID WITHOUT THE SURVEYOR'S SIGNATURE AND EMBOSSED SEAL.

- 8. ELEVATIONS SHOWN HEREON ARE BASED ON N.G.V.D. OF 1929
 UNLESS OTHERWISE NOTED.
 9. BENCHMARK OF ORIGIN IS___PAM BOL 00. EMG DEPT.____COUNTY
 BENCHMARK NO.____REMBT 1929 N.G.V.D. EJ=16.2727
- 10. THIS SURVEY IS LOCATED IN FLOOD ZONE C PER N.F.I.P. COMMUNITY-PANEL MAP NO. 120192-0208-B
 BASE FIRM ELEVATION IS N/A FEET DATE OF FIRM IS 10-15-82
- 11. PROPERTY ADDRESS IS: VACANT NE. 881 AVE PAIN BEACH COUNTY, FLORIDA

 (a.k.a. NOT KNOWN AT THIS DATE.) 33444

THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF LAND SURVEYORS PURSUANT TO CHAPTER 472.027.

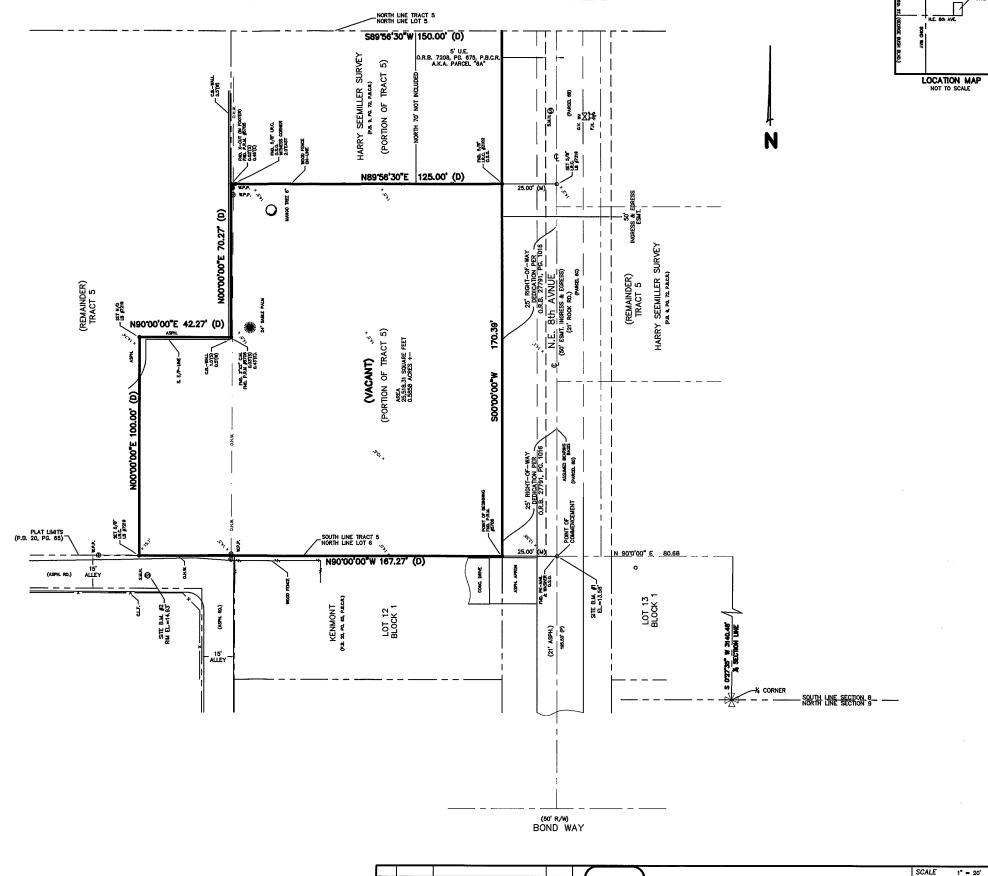
DATE: 03/27/03

CERTIFICATE:

I HEREBY CERTEY THAT THE ATTACHED SKETCH OF SURVEY OF THE ABOVE DESCRIBED PROPERTY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEF AS SURVEYED UNDER MY DIRECTION.

PAUL A. DAVIS P.S.M. #4531 STATE OF FLORIDA.

BOUNDARY AND TOPOGRAPHICAL SURVEY



ADD EASEMENT

ADD O.R.B. FOR R/W

UPDATE

REVISION DESCRIPTION

A.M.D.

A.M.D.

A.M.D.

BY

3. 10/19/15

2. 8/18/15

1. 7/20/15

NO. DATE

PAUL A. DAVIS, INC.

Land Surveyors · Land Development · Consultants · Planners

Subdivisions & Condominiums Land & Site Planning
Ltt Sarveys • Nortgage Sarveys • Yarveys • Record Pets • Condominium Pets • Construction Layout

SHEET NO. 1 OF 1

2091 N.E. 36TH STREET #50234 LIGHTPOINT FL. 33074 Phone: (954) 283-3102

DRAWN BY N.L.R.

03-28-03

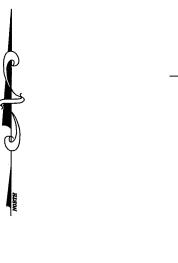
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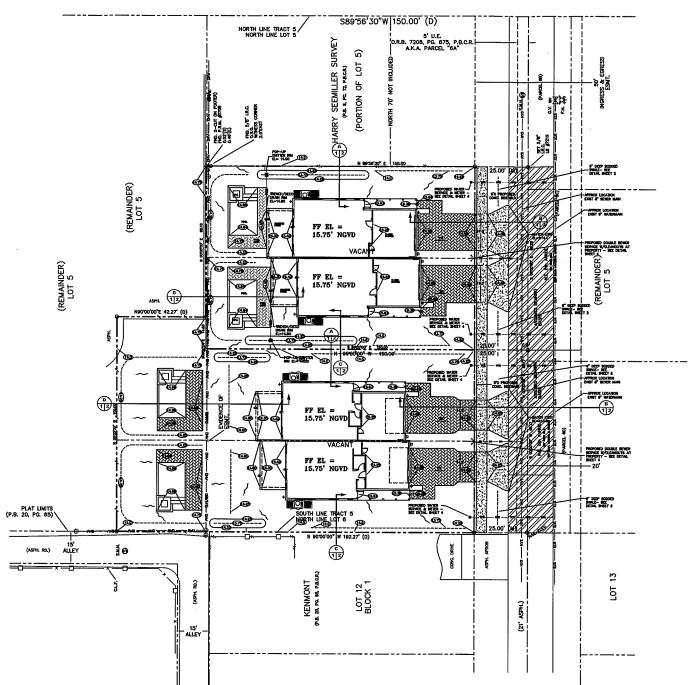
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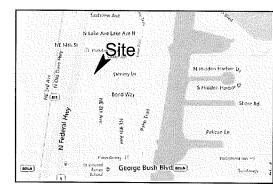
JOB NO:

F.B./PG.

FILE











LEGEND:

SECTION IDENTIFIER

PLAN PAGE DETAIL PAGE

PROPOSED ELEVATION DIRECTION OF FLOW EXISTING ELEVATION

DENOTES AREA OF PROPOSED ASPHALT PAVING

PROPOSED WATER METER

EXISTING MANHOLE

SANITARY SEWER CLEANOUT SINGLE SANITARY SERVICE WITH CLEANOUT

Know what's below. Call before you dig.

CALL 48 HOURS BEFORE YOU DIG. IT'S THE LAW 1-800-432-4770 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

10/ Duplexes\DWG\15035 \2015\15035-Marc

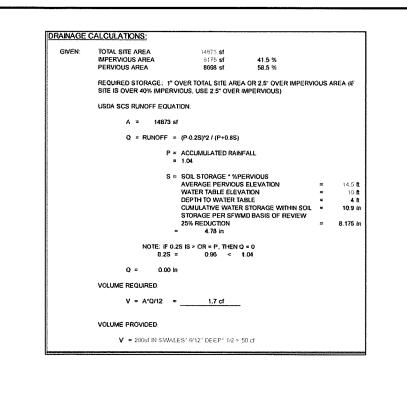
COMPOSITE UTILITY I 8TH AVE VILLAS NE 8TH AVENUE DELRAY BEACH, FI

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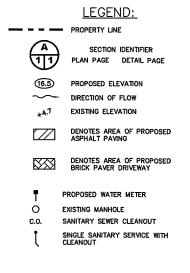
M.T.J. CHECKED:

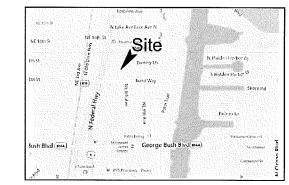
J.A.P. DATE: 10/21/15 JOB NO. 15035-COMP

SHEET NO. 1 of 1







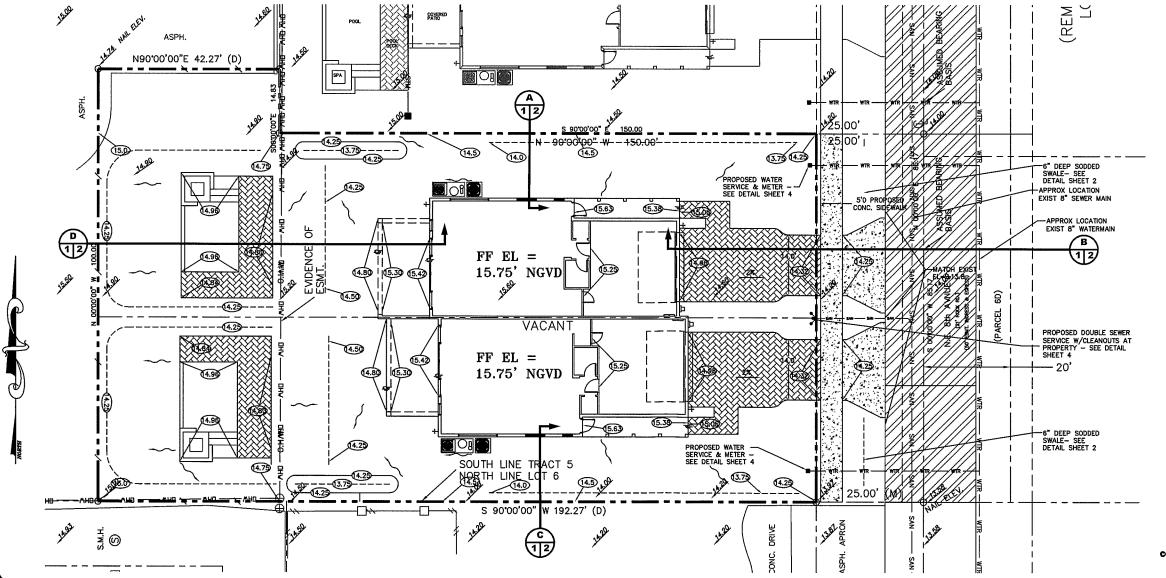






PLAN FOR: - SOUTH (LOT PAVING & BTH AVE NE BTH A DRAWN: M.T.J. CHECKED: J.A.P. DATE: 10/21/15 JOB NO. 15035-ENG

> SHEET NO. 1 of 5

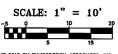




CALL 48 HOURS BEFORE YOU DIG.

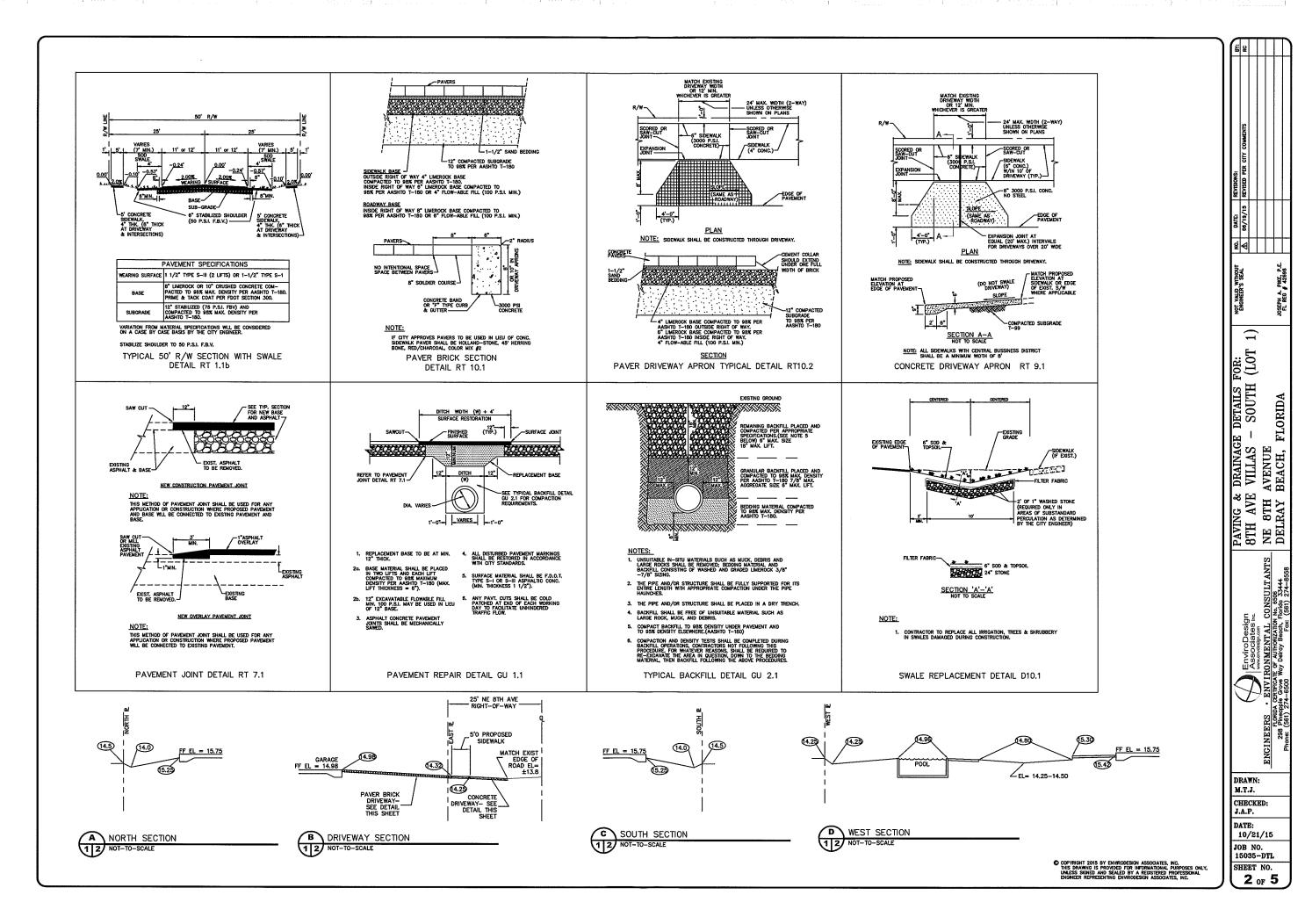
IT'S THE LAW
1-800-432-4770

SUNSHINE STATE ONE CALL OF FLORIDA, INC.



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UNLESS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL
ENGINEER REPRESENTING ENVRIODESIGN ASSOCIATES, INC.

Tabloid Ď. 10/21/2015 Duplexes\DWG\15035 0:\2015\15035-Marc



Tabloid Ę Z 41:05 12: 21/2015 10/ .dwg, DTL. SOUTH-Duplexes\DWG\15035--Marc \2015\15035 $\ddot{\circ}$

PAVING, GRADING AND DRAINAGE NOTES

- ALL PAVING AND DRAINAGE WORK IN THE PALM BEACH COUNTY (PBC) RIGHT-OF-WAY SHALL BE CONSTRUCTED IN FULL ACCORDANCE WITH THE PEC LATEST STANDARDS, ALL PAVING AND DRAINAGE WORK IN THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAY SHALL BE CONSTRUCTED IN FULL ACCORDANCE WITH THE FDOT LATEST STANDARDS.
- COMPACTED SUBGRADE SHALL BE COMPACTED AND MEET THE DENSITY REQUIREMENTS AS DETERMINED BY THE AASHTO T-180 SPECIFICATIONS. SUBGRADE SHALL EXTEND 12 INCHES BEYOND THE PROPOSED EDGE OF PAVEMENT AND/OR 6" BEYOND VALLEY GUTTER, TYPE "F" CURB & GUTTER, OR TYPE "D" CURB. SUBGRADE SHALL BE 12 INCHES THICK COMPACTED TO 98% ACCORDING TO AASHTO T-180. ALL MUCK, STUMPS, ROOTS OR OTHER DELETERIOUS MATTER ENCOUNTERED IN THE PREPARATION OF THE SUBGRADE SHALL BE REMOVED COMPLETELY FROM THE CENTERLINE OF THE ROADWAY TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT. IF SUBGRADE IS REQUIRED TO BE STABILIZED, THE REQUIRED BEARING VALUE DETERMINATIONS SHALL BE MADE BY THE FLORIDA BEARING TEST. TEST METHOD "C" OF ASSHTO T-180 FLORIDA BEARING TEST, TEST METHOD "C" OF AASHTO T-180 SPECIFICATIONS.
- SHELLROCK BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 250 OF THE FLORIA DEPARTEMENT OF TRANSPORATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. THE THICKNESS OF THE SHELLROCK BASE SHALL BE AS SHOWN ON THE DETAIL DRAWINGS AND SHALL BE COMPACTED TO A DENSITY OF 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. THE SHELLROCK SHALL HAVE A MINIMUM OF 40% CARBONATES OF CALCIUM AND MAGNESIUM IN THE MATERIAL
- LIMEROCK BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 200 OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. THE THICKNESS OF THE LIMEROCK BASE SHALL BE AS SHOWN ON THE DETAILED DRAWINGS AND SHALL BE COMPACTED TO A DENSITY OF 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- MUCK AND PEAT IF MUCK AND/OR PEAT ARE ENCOUNTERED IN THE ROAD OR PARKING AREA, THEY WILL BE REMOVED COMPLETELY TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL. IF HARDPAN IS ENCOUNTERED IN THE SWALE AREA, IT WILL REMOVED TO A WIDTH OF TWO FEET AT THE SWALE INVERT AND REPLACED WITH GRANULAR MATERIAL.
- WHERE SOD IS DESIRED, LOWER THE GRADE 2 INCHES BELOW THE FINISHED GRADE TO ALLOW FOR THE THICKNESS OF THE SOD.
- CLEARING AND GRUBBING WITHIN THE LIMITS OF CONSTRUCTION ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED.
- GUMBO WHERE GUMBO OR OTHER PLASTIC CLAYS ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE ROADWAY AND PARKING AREAS ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA.
- PRIME COAT SHALL BE IN ACCORDANCE WITH SECTION 300 OF THE FOOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, PRIME COAT SHALL BE RC-70 OR ASPHALT EMULSION PRIME (AEP). PRIME COAT SHALL BE APPLIED AT A RATE OF APPLICATION NOT LESS THAN 0.10 GALLONS PER SQUARE YARD FOR LIMEROCK BASES AND NOT LESS THAN 0.15 GALLONS PER SQUARE YARD FOR SHELL ROCK OR COQUINA SHELL BASES.
- 10. TACK COAT BITUMINOUS TACK COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FDOT SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT THE ARTE OF 0.08 GALLONS PER SQUARE YARD, UNLESS A VARIATION IS APPROVED BY THE ENGINEER.

- ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH SECTION 334 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST ADDITION. THE THICKNESS OF THE SURFACE COURSE SHALL BE AS SHOWN ON THE DETAILED DRAWINGS.
- 12. ALL CONCRETE SHALL DEVELOP 2500 p.s.i. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FDOT SPECIFICATIONS, LATEST EDITION. CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 p.s.i. (MINIMUM) 28 DAYS. COMPRESSIVE STRENGTH.
- . PAVEMENT TRAFFIC STRIPES AND MARKINGS SHALL BE IN ACCORDANCE WITH CITY OF DELRAY BEACH CURRENT STANDARDS AND/OR MANUAL ON UNIFORM TRAFFIC CONTOL DEVICES FOR STREETS AND HIGHWAYS, AND/OR PALM BEACH COUNTY TRAFFIC DEPARTMENT TYPICAL T-P-10-001, WHERE APPLICABLE.
- 14. SEQUENCE OF CONSTRUCTION THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND THAT ARE BENEATH THE PAVEMENT, SHALL BE IN PLACE AND HAVE PROPER DENSITY PRIOR TO THE CONSTRUCTION AND COMPACTION OF THE SUBGRADE,
- INLETS AND MANHOLES ALL INLETS AND MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FDOT SPECIFICATIONS, LATEST EDITION, AND ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION, AND PBC STANDARDS LATEST EDITION, WHERE
- 16. GRATE ELEVATIONS REFER TO THE FLOWLINE OF THE GRATE.
- 17. GRADES SHOWN ARE FINISHED GRADES.
- 18. MINIMUM ROAD CROWN ELEVATION SHALL BE EL. N/A N.G.V.D.
- 19. REINFORCED CONCRETE PIPE THE PIPE SHALL CONFORM WITH THE REQUIREMENTS OF CLASS III OF ASTM C-76 AND WITH THE FDDT SPECIFICATIONS, LATEST EDITION. THE FIRST JOINT OF PIPE ENTERING OR LEAVING A MAHOLE OR INLET SHALL BE WRAPPED WITH FILTER FABRIC PER FDOT SPECIFICATIONS.
- CORRUGATED ALUMINUM PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M196 AND SECTIONS 125, 430 AND 943 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 21. MEASUREMENT OF THE LENGTH OF PIPE SHALL BE FROM THE CENTER OF THE STRUCTURE TO THE CENTER OF THE STRUCTURE.
- 22. PIPE BACKFILL REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING AREAS SHALL BE DEFINED IN THE FDOT SPECIFICATIONS, LATEST EDITION. PIPELINE BACKFILL SHALL BE PLACED IN SIX INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR (AASHTO) T-99 SPECIFICATIONS.
- 23. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THREE (3)
 CERTIFIED COPIES OF A CHEMICAL AND SIEVE ANALYSIS OF THE
 SHELL ROCK BY A STATE OF FLORIDA CERTIFIED LAB WHEN
 CONSTRUCTING A SHELL ROCK BASE FOR ROADWAY.
- . PRIOR TO CERTIFICATION OF THE DRAINAGE SYSTEM, THE CONTRACTOR MUST PUMP DOWN AND LAMP THE DRAINAGE SYSTEM FOR INSPECTION BY THE ENGINEER AFTER FINISHED ROCK FOR THE ROADWAYS HAS BEEN INSTALLED.

GENERAL NOTES

- CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID SURVEY MARKERS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF PERMANENT REFERENCE MONUMENTS DISTURBED DURING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE PLANS. UTILITIES SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND MAY NOT DEPICT ACTUAL LOCATIONS, CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR LOCATION AND DEPTH OF THEIR LINES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PAY FOR THE DEENERGIZING OF POWER LINES AND/OR HOLDING POWER POLES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PAY FOR THE REPLACEMENT OF TRAFFIC LOOPS IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COAST TO THE OWNER.
- ALL ELEVATIONS REFER TO N.G.V.D. 1929. MINIMUM FINISHED FLOOR ELEVATION FOR ANY RESIDENTIAL STRUCTURE SHALL BE SET AT OR ABOVE ELEVATION 15.75' (WHICH IS ABOVE THE 100-YEAR
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION OR INSTALLATION AS REQUIRED BY THE ENGINEER OR BY THE APPROPRIATE GOVERNING AGENCIES.
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND PAY FOR, AT NO ADDITIONAL COST TO THE OWNER, ALL NECESSARY PERMITS, FEES AND LICENSES.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING THE REQUIRED NOTICES AND COMPLYING WITH ALL PERMIT(S) CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PAY FOR THE HOLDING OF OTHER UTILITY POLES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- 10. ALL CONCRETE SHALL DEVELOP 2500 p.s.i. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FDOT SPECIFICATIONS, LATEST EDITION. CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 p.s.i. (MINIMUM) 28 DAYS
- 11. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL UTILITY.

- 12. ENVIRODESION ASSOC, INC. SHALL NOT BE RESPONSIBLE FOR THE SAFETY OF THE WORKERS OR THE GENERAL PUBLIC, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY TO THE WORKERS IN ACCORDANCE WITH OCCUPATIONAL SAFETY & HEALTH
- ADMINISTRATIONS (OSHA) REQUIREMENTS AND THE SAFETY OF THE
- 13. ALL MATERIALS AND WORKMANSHIP MUST BE IN ACCORDANCE WITH THE LOCAL UTILITY STANDARDS AND SPECIFICATIONS.
- 14. THE CONTRACTOR SHALL CALL SUNSHINE 1-800-432-4770 48 HOURS BEFORE DIGGING FOR FIELD LOCATIONS OF UNDERGROUND
- 15. CORRUGATED ALUMINUM PIPE USED BENEATH PAVEMENT SHALL BE IN CONFORMANCE WITH SEC. 8.24.E.5.I
- 16. ALL CONSTRUCTION ACTIVITY, INCLUDING TRENCHING, IS TO BE A MINIMUM OF SIX FEET FROM THE BASE OF ANY TREE THAT IS DESIGNATED TO REMAIN.
- 17. ALL LIMEROCK AND BASE MATERIALS SHALL BE REMOVED FROM THE PLANTER AREAS/ISLANDS AND REPLACED WITH APPROPRIATE PLANTING SOIL PRIOR TOT THE LANDSCAPING OF THE SITE.
- 18. THE REMOVAL OF ANY TREE ON THE SITE IS PROHIBITED WITHOUT THE REQUIRED PERMITS.
- ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT—OF—WAY SHALL CONFORM TO THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM (LATEST ED.).
- 20. LANE CLOSURES WITHIN THE FDOT RIGHT-OF-WAY SHALL BE LIMITED TO THE HOURS OF 9AM-3PM, MONDAY-FRIDAY EXCLUDING GOVERNMENTAL HOLDAYS. MAINTENANCE OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH INDEX 613 OF THE FDOT DESIGN STANDARDS (LATEST ED.)

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CONSULTANTS N No. 6506 Florida 3344 : (561) 274–8558 ENVIRONBENCE

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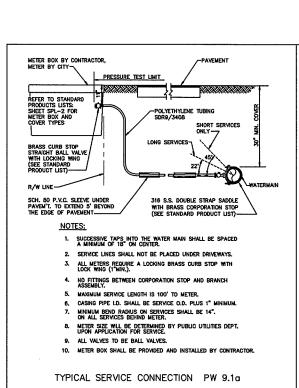
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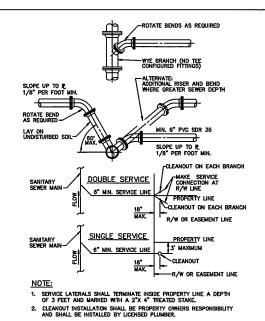
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SHEET NO. 3 of 5





3. SEE DETAIL PW 2.1 FOR SEPARATION REQUIREMENTS

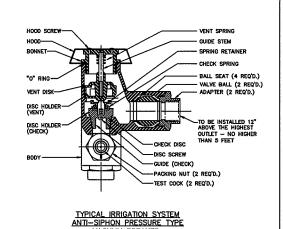
SEWER SERVICE CONNECTIONS WW 4.1

BALL VALVES
TYPE L COPPER
6 PIPE NIPPLE TYPE L COPPER ____2" CLEAR 36"X 12" X 6" THK. ELEV. STD. 316 S/S U-BOLT, NUTS AND WASHERS 2" X 2" X 1/4" THK. ALUM. ANGLE ----6" X 3" X 3/8" THK. -WRAP PIPE W/ NEOPRENE AT "U" BOLTS 3/8" -316 S/S WEDGE TYPE CONC EXPANSION ANCHOR -316 STAINLESS STEEL BOLTS AND WASHERS _#4 -12" O.C.E.W. PIPE SUPPORT DETAIL NOTES:

1. FOR ALL SERVICES LESS THAN OR EQUAL TO 2" DIA.

- 2. ABOVE GRADE PIPING SHALL BE BRASS OR TYPE "L" COPPER TUBING. 3. ALL COPPER JOINTS SHALL BE MADE WITH 95/5 SOLDER.
- RPZ BACKFLOW PREVENTER IS REQUIRED IN ACCORDANCE WITH CITY OF DELRAY BEACH CODE OF ORDINANCES TITLE V. CHAPTER 52.80.
- 5. USE OF OTHER PIPE MATERIALS WITH APPROVAL OF DEPUTY DIRECTOR OF UTILITIES.
- 4. RPZ BACKFLOW PREVENTER IS REQUIRED FOR ALL COMMERCIAL PROPERTIES AND ALL RESIDENTAL PROPERTIES WITH FIRE SPRINKLER SYSTEMS.

REDUCED PRESSURE ZONE BACKFLOW PREVENTER PW 10.2



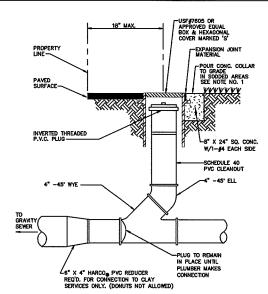
VACUUM BREAKER

- 1. WATTS REGULATOR COMPANY OR EQUIVALENT.
- VALVE SHALL MEET OR EXCEED THE A.S.S.E., BS&A AND U.S.C.F. REQUIREMENTS.

NOTES:

- 3. SHALL ALSO BE LISTED BY IAPMO (UPC).
 4. USE OF OTHER PIPE MATERIALS WITH APPROVAL OF DEPUTY DIR. OF UTILITIES. 5. ABOVE GRADE PIPING SHALL BE PVC OR COPPER.

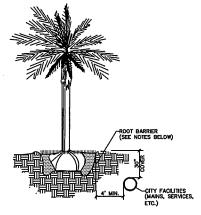
ANTI-SIPHON PRESSURE TYPE VACUUM BREAKER PW 10.3



- 1. INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS IN LIEU OF CASTING AND CONE COLLAR.

 2. MINIMUM DEPTH OF SERVICE LATERAL SHALL BE 3 FEET.

TYPICAL RESIDENTIAL CLEANOUT WW 5.1

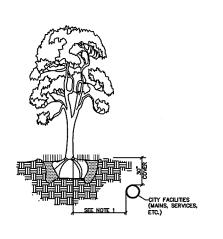


NOTES:

- 1. ALL ROOT BARRIERS SHALL BE 4' MINIMUM FROM ALL CITY FACILITIES. THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
- ROOT BARRIERS SHALL BE MINIMUM 36" DEEP, APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER. 4. ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WITTEN INSTRUCTIONS.
 - TYPICAL TREE WITH ROOT BARRIER LD 1.1

1. THIS DISTANCE SHALL BE 10' MINIMUM FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED.

TYPICAL TREE WITHOUT ROOT BARRIER LD 1.2



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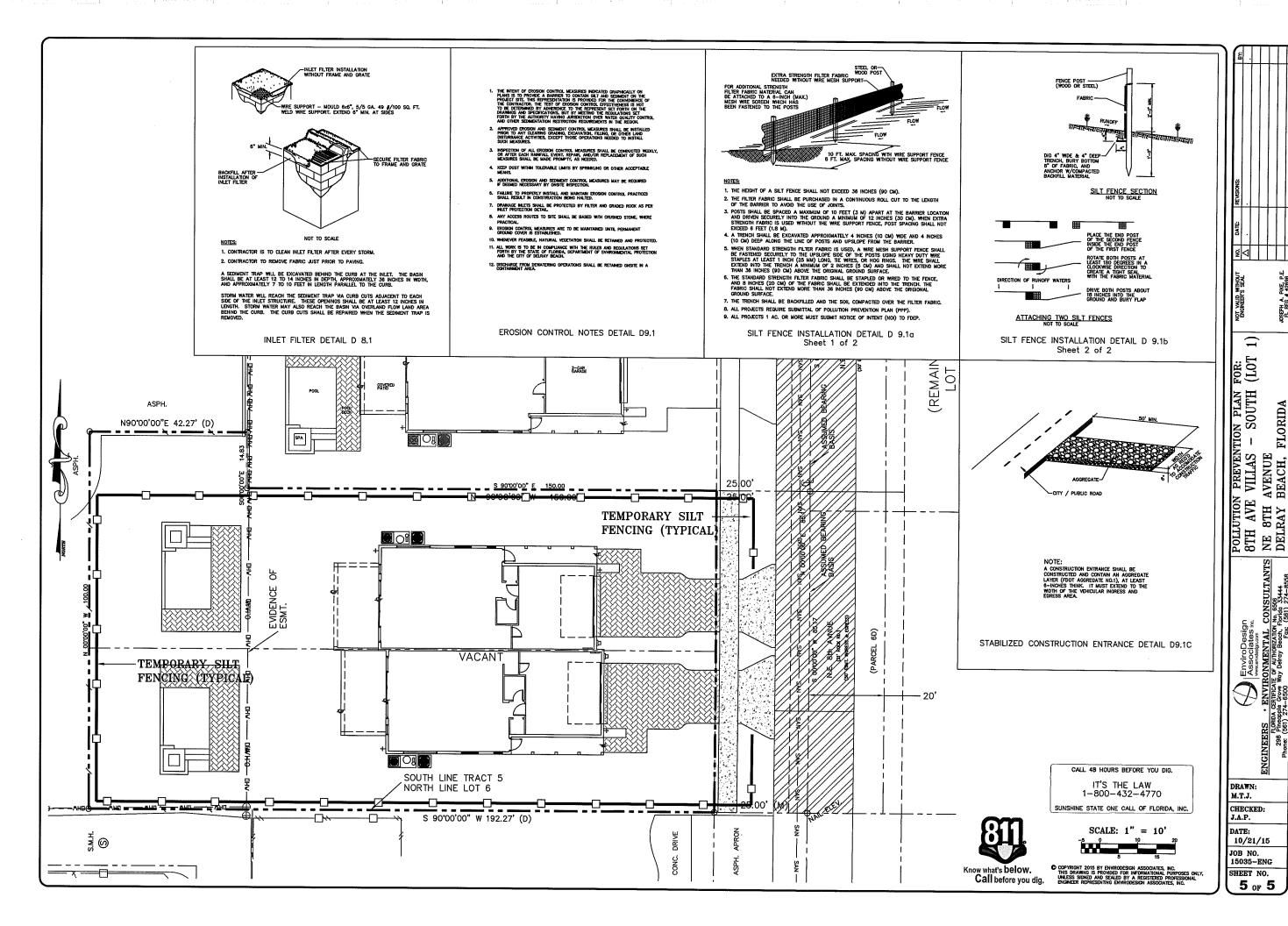
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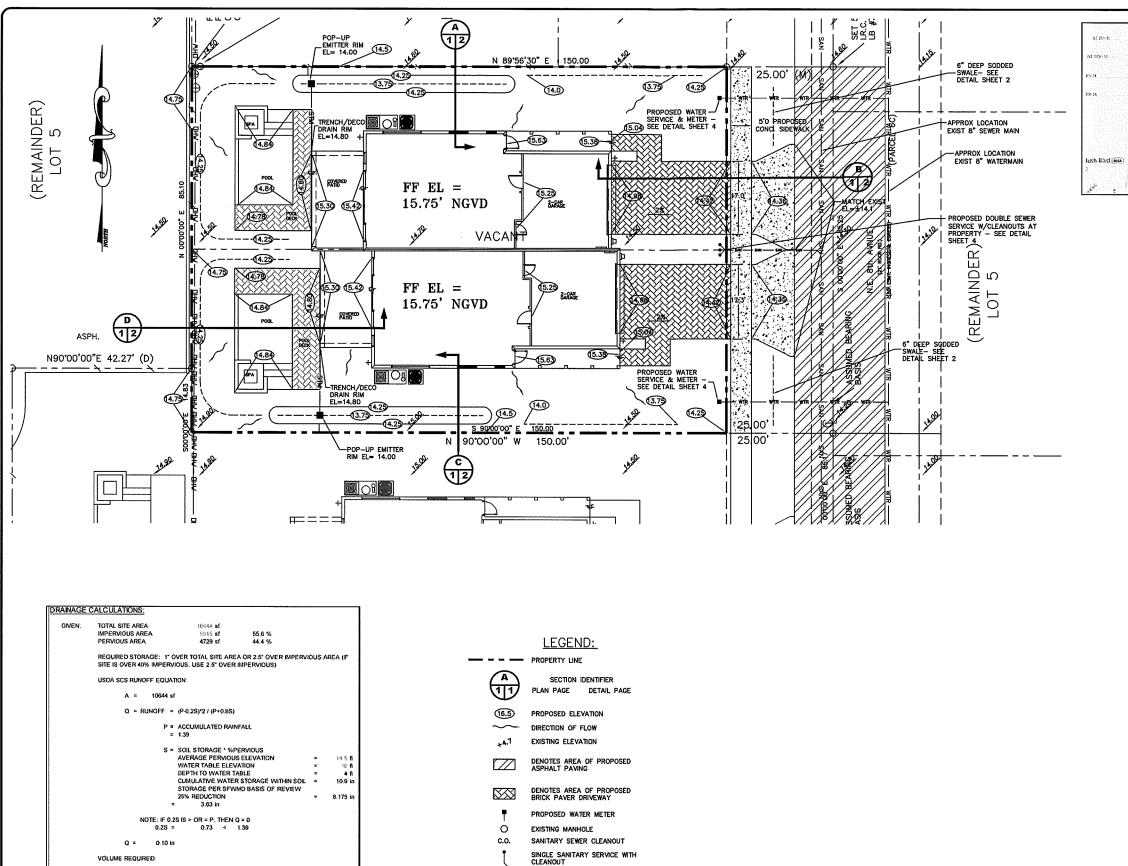
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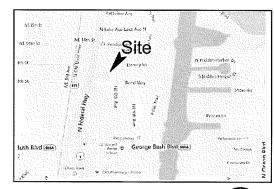


V = A*Q/12 = ____

V # 200st IN SWALES' 6/12 DEEP' 1/2 = 50 ct

VOLUME PROVIDED:

90.7 cf



LOCATION MAP N.T.S.



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PAVING & DRAINAGE PLAN FOR: 8TH AVE VILLAS – NORTH (LOT NE 8TH AVENUE DELRAY BEACH, FLORIDA

ENVIRONMENTAL CERTIFICATE OF AUTHORIZATION IN BEGING WAY Deliray Beach, File

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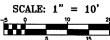
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NOTE: CONTRACTOR TO FIELD VERIFY EXACT LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES AT TIME OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO ENVIRODESIGN ASSOCIATES, INC.

CALL 48 HOURS BEFORE YOU DIG.

IT'S THE LAW 1-800-432-4770

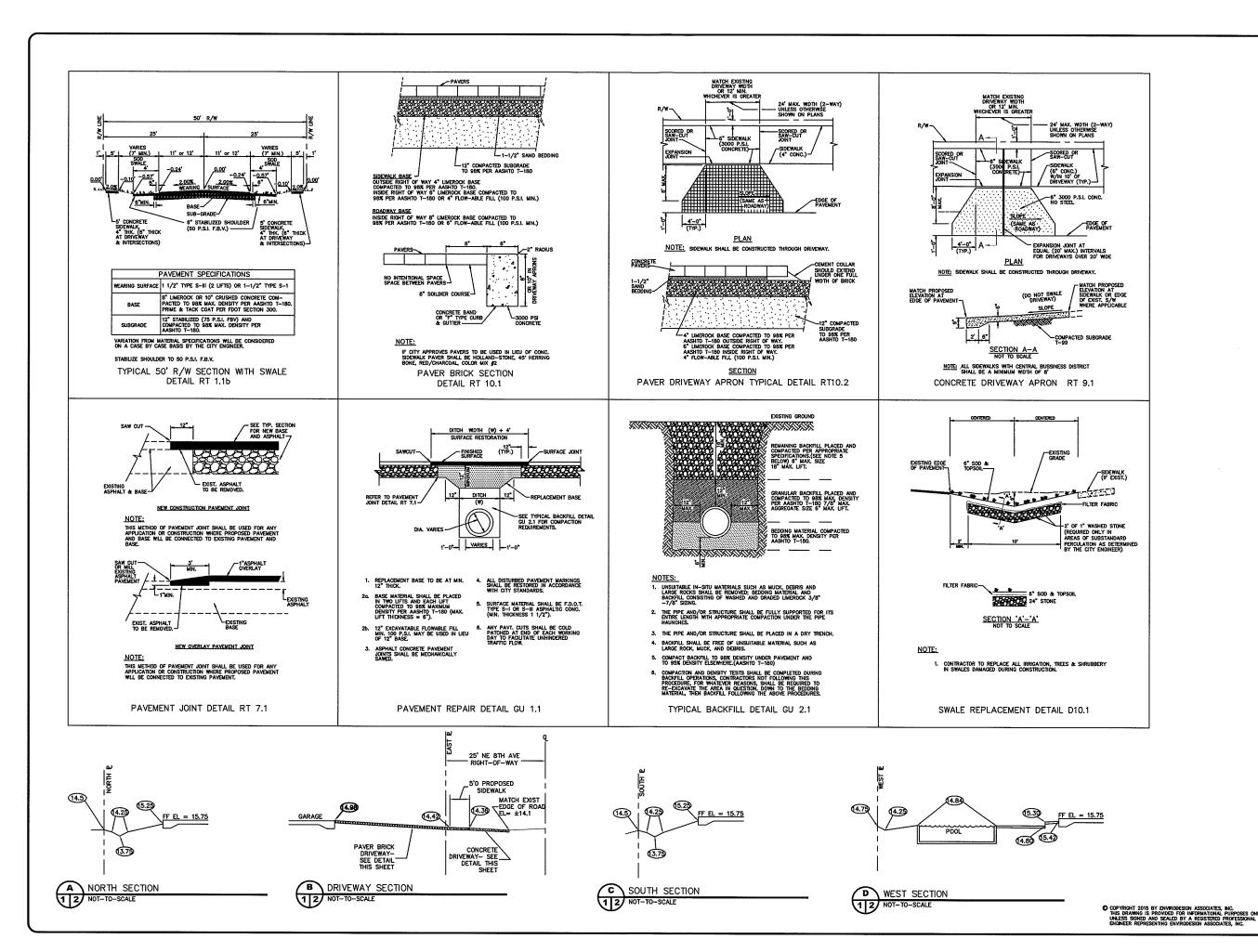
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Call before you dig.

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EnviroDesign Associates no.

M.T.J. CHECKED:

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PAVING, GRADING AND DRAINAGE NOTES

- ALL PAVING AND DRAINAGE WORK IN THE PALM BEACH COUNTY (PBC) RIGHT-OF-WAY SHALL BE CONSTRUCTED IN FULL
 ACCORDANCE WITH THE PBC LATEST STANDARDS. ALL PAYING AND
 DRAINAGE WORK IN THE FLORIDA DEPARTMENT OF TRANSPORTATION
 (FDOT) RIGHT-OF-WAY SHALL BE CONSTRUCTED IN FULL
 ACCORDANCE WITH THE FDOT LATEST STANDARDS.
- COMPACTED SUBGRADE SHALL BE COMPACTED AND MEET THE DENSITY REQUIREMENTS AS DETERMINED BY THE AASHTO T-180 SPECIFICATIONS. SUBGRADE SHALL EXTEND 12 INCHES BEYOND THE PROPOSED EDGE OF PAVEMENT AND/OR 6" BEYOND VALLEY PROPOSED EDGE OF PAVEMENT AND/OR 6" BEYOND VAILEY GUTTER, TYPE "T" CURB & GUTTER, TYPE "T" CURB & SUBGRADE GOUTTER, TYPE "T" CURB & SUBGRADE SHALL BE 12 INCHES THICK COMPACTED TO 98% ACCORDING TO AASHTO T-190. ALL MUCK, STUMPS, ROOTS OR OTHER DELETERIOUS MATTER ENCOUNTERED IN THE PREPARATION OF THE SUBGRADE SHALL BE REMOVED COMPLETELY FROM THE CENTERLINE OF THE ROADWAY TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT. IF SUBGRADE IS REQUIRED BE STABILIZED, THE REQUIRED BEARING VALUE DETERMINATIONS SHALL BE MADE BY THE FLORIDA BEARING TEST, TEST METHOD "C" OF AASHTO T-180 PSPECIFICATIONS.
- SHELLROCK BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 250 OF THE FLORIA DEPARTEMENT OF TRANSPORATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, THE THICKNESS OF THE SHELLROCK BASE SHALL BE AS SHOWN ON THE DETAIL DRAWINGS AND SHALL BE COMPACTED TO A DENSITY OF 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTOT T-180. THE SHELLROCK SHALL HAVE A MINIMUM OF 40% CARBONATES OF CALCIUM AND MAGNESIUM IN THE MATERIAL
- LIMEROCK BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 200 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. THE THICKNESS OF THE LIMEROCK BASE SHALL BE AS SHOWN ON THE DETAILED DRAWINGS AND SHALL BE COMPACTED TO A DENSITY OF 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- MUCK AND PEAT IF MUCK AND/OR PEAT ARE ENCOUNTERED IN THE ROAD OR PARKING AREA, THEY WILL BE REMOVED COMPLETELY TO A WIDTH OF TEN TEET BEYOND THE EDGE OF PAVEMENT AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL. IF HARDPAN IS ENCOUNTERED IN THE SWALE AREA, IT WILL REMOVED TO A WIDTH OF TWO FEET AT THE SWALE INVERT AND REPLACED WITH
- WHERE SOD IS DESIRED, LOWER THE GRADE 2 INCHES BELOW THE FINISHED GRADE TO ALLOW FOR THE THICKNESS OF THE SOD.
- CLEARING AND GRUBBING WITHIN THE LIMITS OF CONSTRUCTION ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED.
- GUMBO WHERE GUMBO OR OTHER PLASTIC CLAYS ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE ROADWAY AND PARKING AREAS ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA.
- PRIME COAT SHALL BE IN ACCORDANCE WITH SECTION 300 OF THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. PRIME COAT SHALL BE RC-70 OR ASPHALT EMULSION PRIME (AEP). PRIME COAT SHALL BE APPLIED AT A RATE OF APPLICATION NOT LESS THAN 0.10 GALLONS PER SQUARE YARD FOR LIBEROCK BASES AND NOT LESS THAN 0.15 GALLONS PER SQUARE YARD FOR SHELL ROCK OR COQUINA SHELL BASES
- 10. TACK COAT BITUMINOUS TACK COAT SHALL CONFORM WITH THE REQUIREMENTS OF THE FDOT SPECIFICATIONS, LATEST EDITION AND SHALL BE APPLIED AT THE RATE OF 0.08 GALLONS PER SQUARE YARD, UNLESS A VARIATION IS APPROVED BY THE ENGINEER.

- 11. ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH SECTION 334 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST ADDITION. THE THICKNESS OF THE SURFACE COURSE SHALL BE AS SHOWN ON THE
- 12. ALL CONCRETE SHALL DEVELOP 250D p.s.1. (MINIMUM) 28 DAY COMPRESSIVE STRENGTH OR GREATER WHERE NOTED ON PLANS. CLASS I CONCRETE SHALL CONFORM WITH THE FDOT SPECIFICATIONS, LATEST EDITION. CLASS I CONCRETE USED AS PAVING SHALL DEVELOP 3000 p.s.l. (MINIMUM) 28 DAYS. COMPRESSIVE STRENGTH.
- 13. PAVEMENT TRAFFIC STRIPES AND MARKINGS SHALL BE IN ACCORDANCE WITH CITY OF DELRAY BEACH CURRENT STANDARDS AND/OR MANUAL ON UNIFORM TRAFFIC CONTOL DEVICES FOR STREETS AND HIGHWAYS, AND/OR PALM BEACH COUNTY TRAF DEPARTMENT TYPICAL T-P-10-001, WHERE APPLICABLE.
- . SEQUENCE OF CONSTRUCTION THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND THAT ARE BENEATH THE PAVEMENT, SHALL BE IN PLACE AND HAVE PROPER DENSITY PRIOR TO THE CONSTRUCTION AND COMPACTION OF THE SUBGRADE.
- 15. INLETS AND MANHOLES ALL INLETS AND MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FDOT SPECIFICATIONS, LATEST EDITION, AND ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION, AND PBC STANDARDS LATEST EDITION, WHERE APPLICABLE.
- 16. GRATE ELEVATIONS REFER TO THE FLOWLINE OF THE GRATE.
- 17. GRADES SHOWN ARE FINISHED GRADES.
- 18. MINIMUM ROAD CROWN ELEVATION SHALL BE EL. N/A N.G.Y.D.
- 19. REINFORCED CONCRETE PIPE THE PIPE SHALL CONFORM WITH THE REQUIREMENTS OF CLASS III OF ASTM C-76 AND WITH THE FDOT SPECIFICATIONS, LATEST EDITION. THE FIRST JOINT OF PIPE ENTERING OR LEAVING A MANHOLE OR INLECT SHALL BE WRAPPED WITH FILTER FABRIC PER FDOT SPECIFICATIONS.
- 20. CORRUGATED ALUMINUM PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M196 AND SECTIONS 125, 430 AND 943 OF THE FDDT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,
- 21. MEASUREMENT OF THE LENGTH OF PIPE SHALL BE FROM THE CENTER OF THE STRUCTURE TO THE CENTER OF THE STRUCTURE.
- 22. PIPE BACKFILL REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING AREAS SHALL BE DEFINED IN THE FDOT SPECIFICATIONS, LATEST EDITION, PIPELINE BACKFILL SHALL BE PLACED IN SIX INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR (AASHTO) T-99 SPECIFICATIONS.
- 23. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THREE (3) CERTIFIED COPIES OF A CHEMICAL AND SIEVE ANALYSIS OF THE SHELL ROCK BY A STATE OF FLORIDA CERTIFIED LAB WHEN CONSTRUCTING A SHELL ROCK BASE FOR ROADWAY.
- 24. PRIOR TO CERTIFICATION OF THE DRAINAGE SYSTEM, THE CONTRACTOR MUST PUMP DOWN AND LAMP THE DRAINAGE SYSTEM FOR INSPECTION BY THE ENGINEER AFTER FINISHED ROCK FOR THE ROADWAYS HAS BEEN INSTALLED.

GENERAL NOTES

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- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION OR INSTALLATION AS REQUIRED BY THE ENGINEER OR BY THE APPROPRIATE GOVERNING AGENCIES.
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND PAY FOR, AT NO ADDITIONAL COST TO THE OWNER, ALL NECESSARY PERMITS, FEES AND LICENSES.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING THE REQUIRED. NOTICES AND COMPLYING WITH ALL PERMIT(S) CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PAY FOR THE HOLDING OF OTHER UTILITY POLES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
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- 11. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL UTILITY.

- 12. ENVIRODESIGN ASSOC. INC. SHALL NOT BE RESPONSIBLE FOR THE SAFETY OF THE WORKERS OR THE GENERAL PUBLIC. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY TO THE WORKERS IN ACCORDANCE WITH OCCUPATIONAL SAFETY & HEALTH ADMINISTRATIONS (OSHA) REQUIREMENTS AND THE SAFETY OF THE GENERAL PUBLIC.
- 13. ALL MATERIALS AND WORKMANSHIP MUST BE IN ACCORDANCE WITH THE LOCAL UTILITY STANDARDS AND SPECIFICATIONS.
- 14. THE CONTRACTOR SHALL CALL SUNSHINE 1-800-432-4770 48 HOURS BEFORE DIGGING FOR FIELD LOCATIONS OF UNDERGROUND
- 15. CORRUGATED ALUMINUM PIPE USED BENEATH PAVEMENT SHALL BE IN CONFORMANCE WITH SEC. B.24.E.5.I
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- 17. ALL LIMEROCK AND BASE MATERIALS SHALL BE REMOVED FROM THE PLANTER AREAS/ISLANDS AND REPLACED WITH APPROPRIATE PLANTING SOIL PRIOR TOT THE LANDSCAPING OF THE SITE.
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- 19. ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM (LATEST ED.).
- 20. LANE CLOSURES WITHIN THE FDOT RIGHT-OF-WAY SHALL BE LIMITED TO THE HOURS OF 9AM-3PM, MONDAY-FRIDAY EXCLUDING GOVERNMENTAL HOLIDAYS. MAINTENANCE OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH INDEX 613 OF THE FDOT DESIGN

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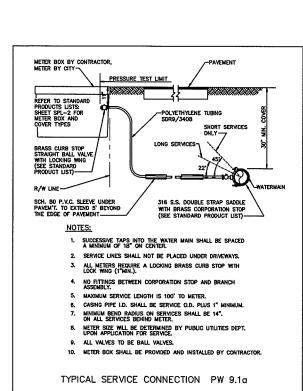
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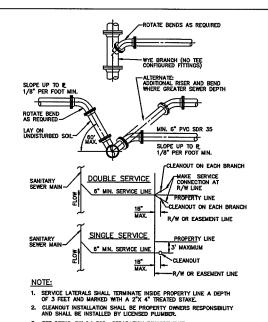
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3. SEE DETAIL PW 2.1 FOR SEPARATION REQUIREMENTS

SEWER SERVICE CONNECTIONS WW 4.1

TYPE L COPPER L#4 -12" O.C.E.W 36"X 12" X 6" THK. ELEV. 2" X 2" X 1/4" THK. ALUM. ANGLE ____ STD. 316 S/S U-BOLT, NUTS AND WASHERS 6" X 3" X 3/8" THK.
ALUMINUM PLATE -WRAP PIPE W/ NEOPRENE AT "U" BOLTS 3/8" -316 S/S
WEDGE TYPE CONC.
EXPANSION ANCHOR
(2 REOD.) -316 STAINLESS STEEL BOLTS AND WASHERS / #4 -12" O.C.E.W. -2" CLEAR PIPE SUPPORT DETAIL

1. FOR ALL SERVICES LESS THAN OR FOLIAL TO 2" DIA 2. ABOVE GRADE PIPING SHALL BE BRASS OR TYPE "L" COPPER TUBING.

3. ALL COPPER JOINTS SHALL BE MADE WITH 95/5 SOLDER. 4. RPZ BACKFLOW PREVENTER IS REQUIRED IN ACCORDANCE WITH CITY OF DELRAY BEACH CODE OF ORDINANCES TITLE V, CHAPTER 52.80.

5. USE OF OTHER PIPE MATERIALS WITH APPROVAL OF DEPUTY DIRECTOR OF UTILITIES.

4. RPZ BACKFLOW PREVENTER IS REQUIRED FOR ALL COMMERCIAL PROPERTIES AND ALL RESIDENTAL PROPERTIES WITH FIRE SPRINKLER SYSTEMS. REDUCED PRESSURE ZONE BACKFLOW PREVENTER PW 10.2

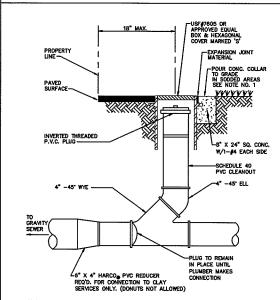
- CHECK SPRING - BALL SEAT (4 REQ'D.) - VALVE BALL (2 REQ'D.) - ADAPTER (2 REQ'D.) -to be installed 12" Above the Highest Outlet — No Higher Than 5 Feet -GUIDE (CHECK) -PACKING NUT (2 RED'D.) -TEST COCK (2 REQ'D.)

TYPICAL IRRIGATION SYSTEM ANTI-SIPHON PRESSURE TYPE

NOTES:

- 1. WATTS REGULATOR COMPANY OR EQUIVALENT.
- VALVE SHALL MEET OR EXCEED THE A.S.S.E., BS&A AND U.S.C.F. REQUIREMENTS.
- 3. SHALL ALSO BE LISTED BY IAPMO (UPC).
- 4. USE OF OTHER PIPE MATERIALS WITH APPROVAL OF DEPUTY DIR, OF UTILITIES.
- 5. ABOVE GRADE PIPING SHALL BE PVC OR COPPER.

ANTI-SIPHON PRESSURE TYPE VACUUM BREAKER PW 10.3

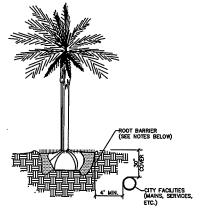


NOTE:

1. INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS IN LIEU OF CASTING AND COME COLLAR.

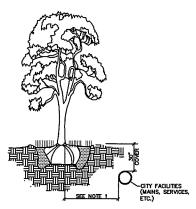
2. MINIMUM DEPTH OF SERVICE LATERAL SHALL BE 3 FEET.

TYPICAL RESIDENTIAL CLEANOUT WW 5.1



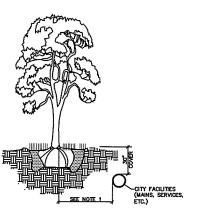
NOTES:

- 1. ALL ROOT BARRIERS SHALL BE 4' MINIMUM FROM ALL CITY FACILITIES. 2. THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
- ROOT BARRIERS SHALL BE MINIMUM 36" DEEP, APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS", FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER. 4. ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
 - TYPICAL TREE WITH ROOT BARRIER LD 1.1



1. THIS DISTANCE SHALL BE 10' MINIMUM FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED.

TYPICAL TREE WITHOUT ROOT BARRIER LD 1.2



CONSULTANTS
No. 6506
Floridg 33444 EnviroDesign Associates Inc.

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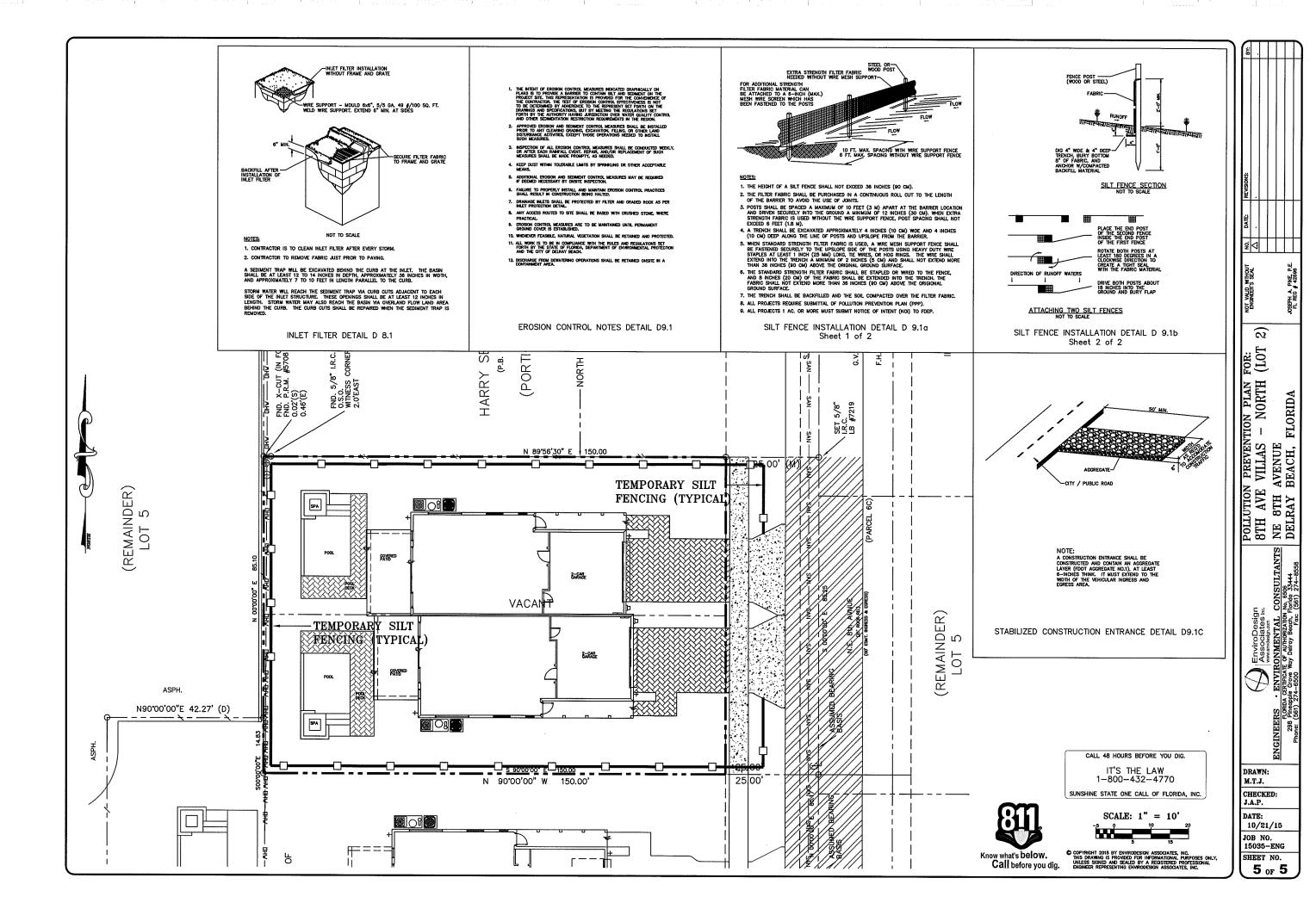
Julien

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M.T.J. CHECKED: J.A.P. DATE: 10/21/15 JOB NO. 15035-DTL SHEET NO.

4 of 5

DRAWN:



-Marc 0:\2015\15035