

MICHAEL A. TROXELL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 50572. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL A. TROXELL, PE ON 9/12/2025. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Printed on Friday, September 12, 2025, 5:10 PM by Mike Troxell
G:\MVERS AUTO GROUP\F230085 - KIA DELRA\DWG\2025-08-29 SUBMITTAL\F230085 COVER----->LAYOUT: COVER

C-1.0

MICHAEL A. TROXELL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 50572. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL A. TROXELL, PE, ON 7/17/2025. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE APPLIED ON ANY ELECTRONIC COPIES.

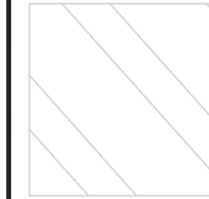
Michael
Troxell

Digitally signed by
Michael Troxell
Date: 2025.07.17
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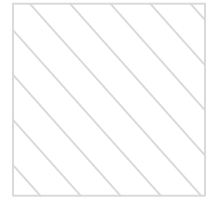
EXISTING WATER METER NUMBERS,
ACCOUNT NUMBERS AND METER SIZES NOTE:

- METER NUMBER: 77680-0425
ACCOUNT NUMBER: 884605-477680
METER SIZE: 1-1/2"
TO BE REMOVED
- METER NUMBER: 96500-0421
ACCOUNT NUMBER: 884605-196500
METER SIZE: 1-1/2"
TO BE REMOVED
- METER NUMBER: 96310-0425
ACCOUNT NUMBER: 884605-196310
METER SIZE: 1-1/2"
TO BE REMOVED

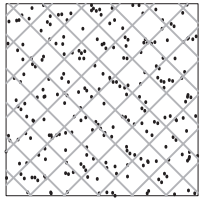
LEGEND



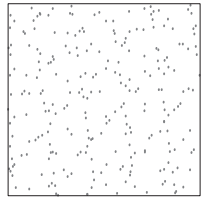
EX. BUILDING TO
BE REMOVED



EX. PAVEMENT
TO BE REMOVED



EX. CONCRETE
TO BE REMOVED



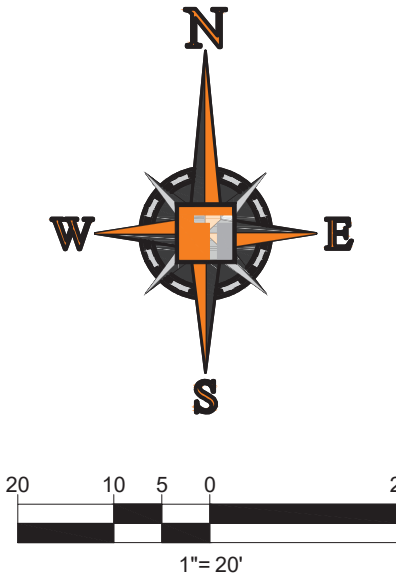
EX. CONCRETE
TO REMAIN



EX. STRIPING
TO BE REMOVED



EX. CURB
TO BE REMOVED



CITY OF DELRAY BEACH
FIRE DEPARTMENT NOTE:

DESIGNERS AND CONTRACTORS WORKING ON NEW CONSTRUCTION, RENOVATION OR DEMOLITION PROJECTS MAY BE REQUIRED TO SUBMIT TO THE AUTHORITY HAVING JURISDICTION (AHJ) A FIRE PROTECTION PLAN AS OUTLINED IN NFPA 1 CHAPTER 16.1.2. THIS PLAN SHALL ADDRESS ALL APPLICABLE PROVISIONS AS DESCRIBED IN NFPA 241 (STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION).

DEMOLITION NOTES:

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
AVIRON & ASSOCIATES, INC.
50 SW 2ND AVE., STE 102
BOCA RATON, FL 33432
TITLED: ALTA/NSPS LAND TITLE SURVEY, 2255 S. FEDERAL HIGHWAY
DATED: 11/14/23
- THOMAS ENGINEERING GROUP, LLC IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO THOMAS ENGINEERING GROUP, LLC IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
- PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:
 - THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
 - ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - LOCATE/CAP ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC., WITHIN THE LIMITS OF DISTURBANCE.
 - PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
 - COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
 - A COMPLETE INSPECTION OF CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY, OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE.
 - SAFETY OR SUPERVISION, CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY.
 - TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE, THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.
 - IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
 - EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH: THE "MANUAL ON UNIFORM TRAFFIC CONTROL," AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS-OF-WAY.
 - CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENT AGENCY.
 - DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
 - USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
 - CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
 - THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
 - DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL CITY, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

THOMAS
ENGINEERING GROUP
CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
125 W. INDIANTOWN RD.
SUITE 100
JUPITER, FL 33458
P: 561-203-7603
F: 561-203-7603

REVISIONS			
REV.	DATE	COMMENT	BY

Sunshine
Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

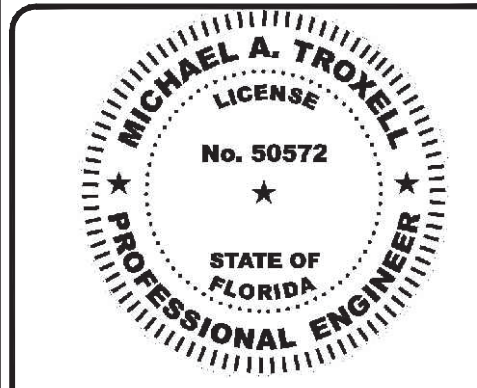
ENTITLEMENT

PROJECT No.: F230095
DRAWN BY: CS
CHECKED BY: MAT
DATE: 7/11/2025
CAD I.D.: F170045 DEMO

PROJECT:
KIA Delray
2255 S. Federal Hwy
Delray Beach, FL
FOR
Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL

THOMAS
ENGINEERING GROUP

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



July 17, 2025
FLORIDA BUSINESS CERT. OF AUTH. NO. 27528

DEMOLITION
PLAN

SHEET NUMBER:
C-3.0

E = EMPLOYEES
I = INVENTORY
C = CUSTOMER
D = DISPLAY
S = SERVICE

PROPOSED PARKING						
	CUSTOMER (C)	EMPLOYEES (E)	INVENTORY (I)	DISPLAY (D)	SERVICE (S)	TOTAL
SURFACE	53	0	0	31	0	84
LEVEL 2	3	13	85	0	14	115
LEVEL 3	0	12	89	0	14	115
LEVEL 4	0	1	99	0	20	120
TOTAL	56	26	273	31	48	434

- | | TYPE | RATE | AREA | REQUIRED | PROVIDED |
|--|---------|--------------------------------------|------------|----------|----------|
| | TYPE I | 6 SPACES OR
1 SP PER 25,000 S.F | 143,672 SF | 6 | 6 |
| | TYPE II | 2 SPACES PLUS
2 SP PER 50,000 S.F | 143,672 SF | 8 | 8 |
| | SHOWERS | 2 SPACES PLUS
2 SP PER 50,000 S.F | 143,672 SF | 8 | 1 |

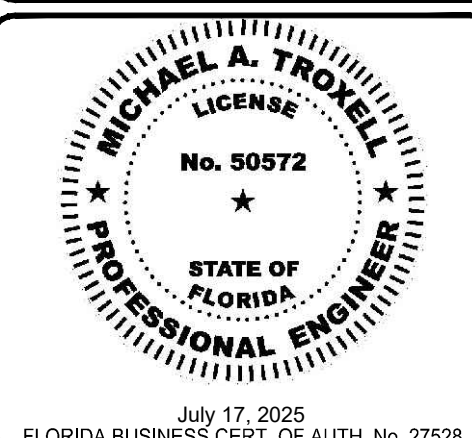
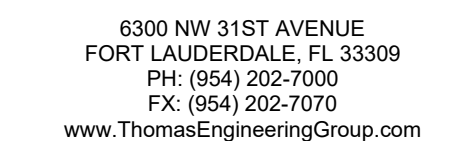
Check positive response codes before you dig!

PROJECT No.:	F230085
DRAWN BY:	CS
CHECKED BY:	MAT
DATE:	7/11/25
CAD I.D.:	F230085 SITE

KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

FOR

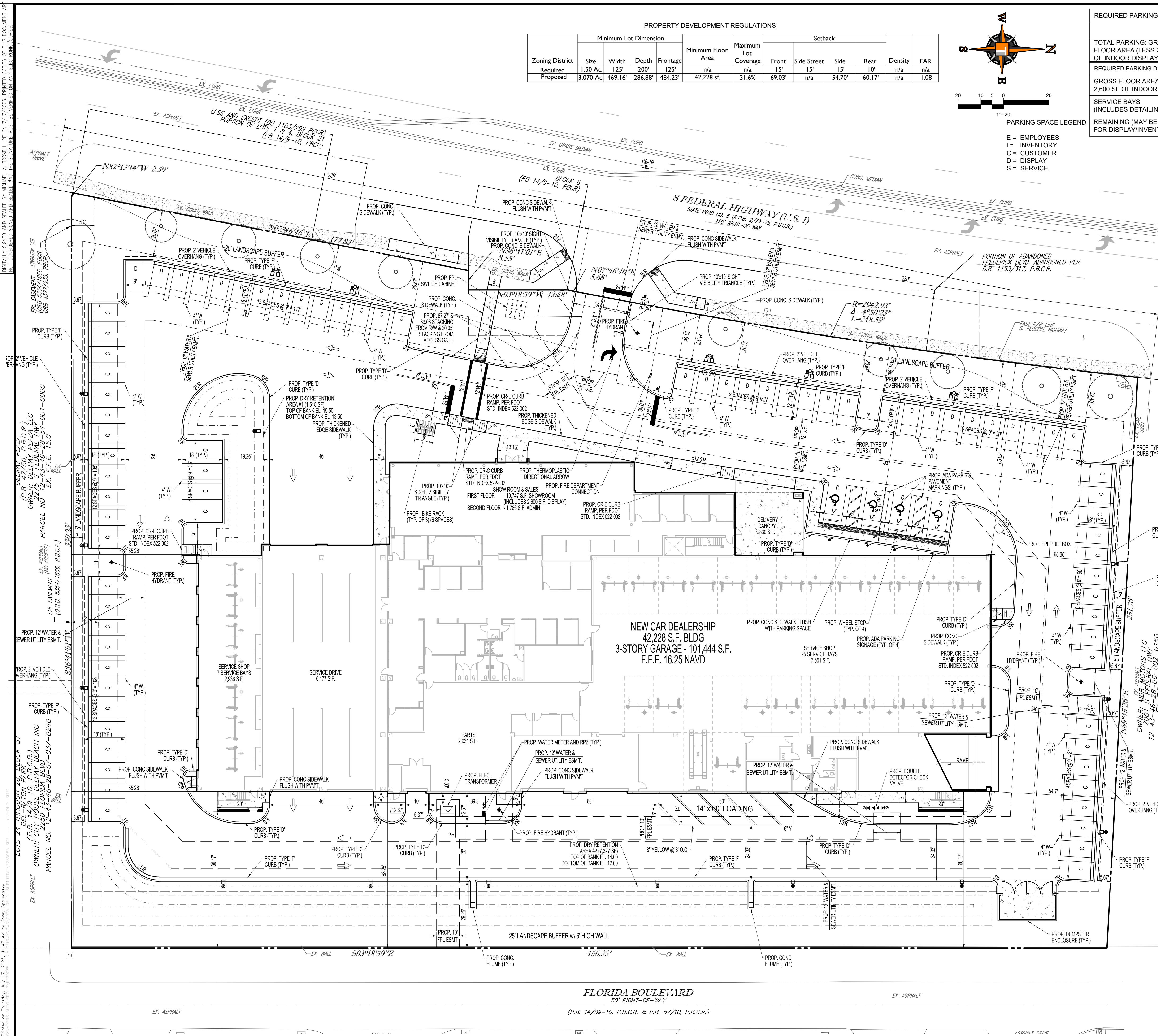
Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL

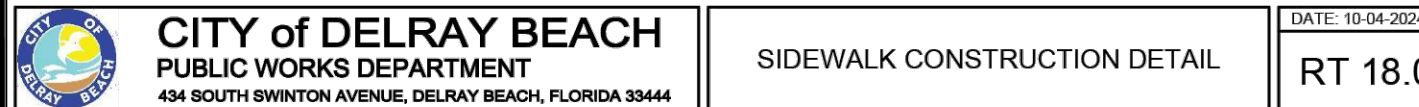
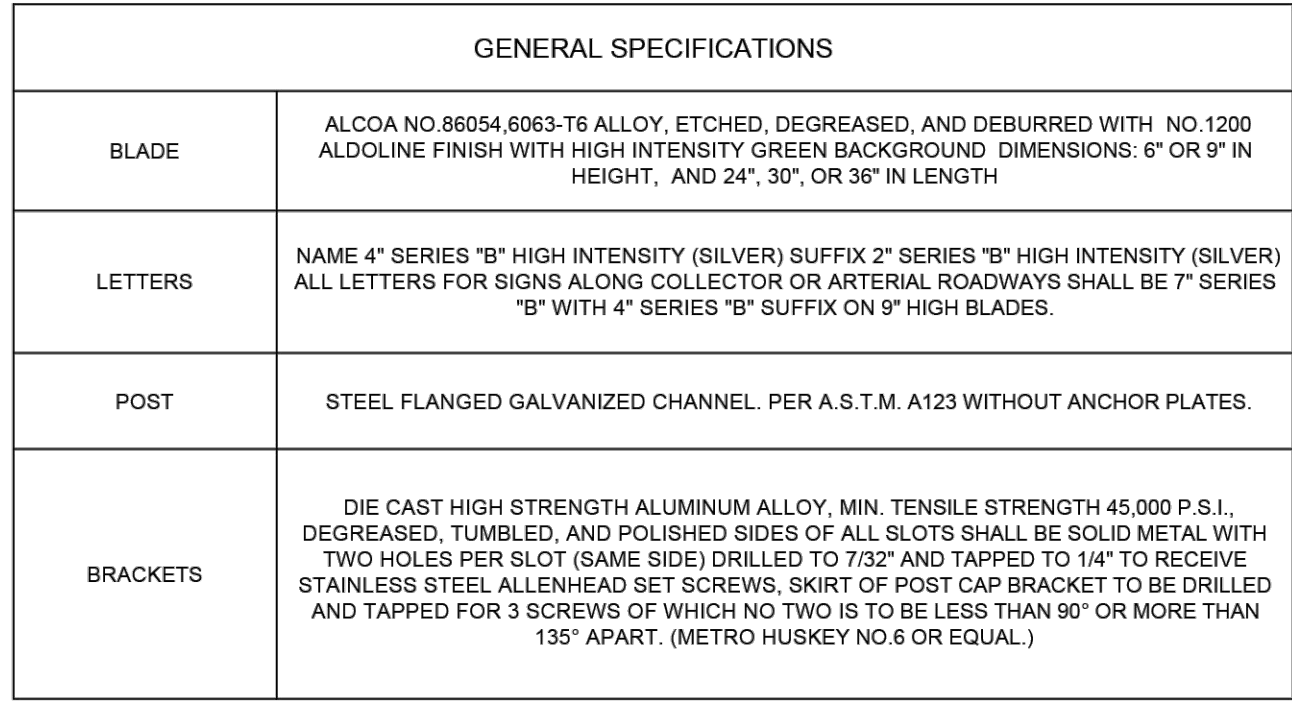


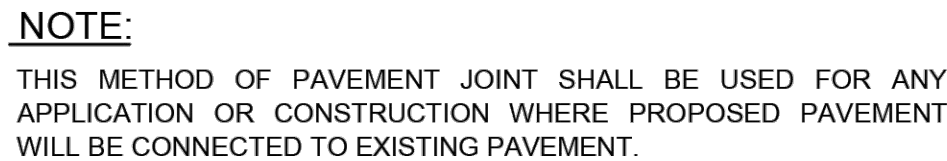
FLORIDA BUSINESS CERT. OF AUTH. NO. 27320

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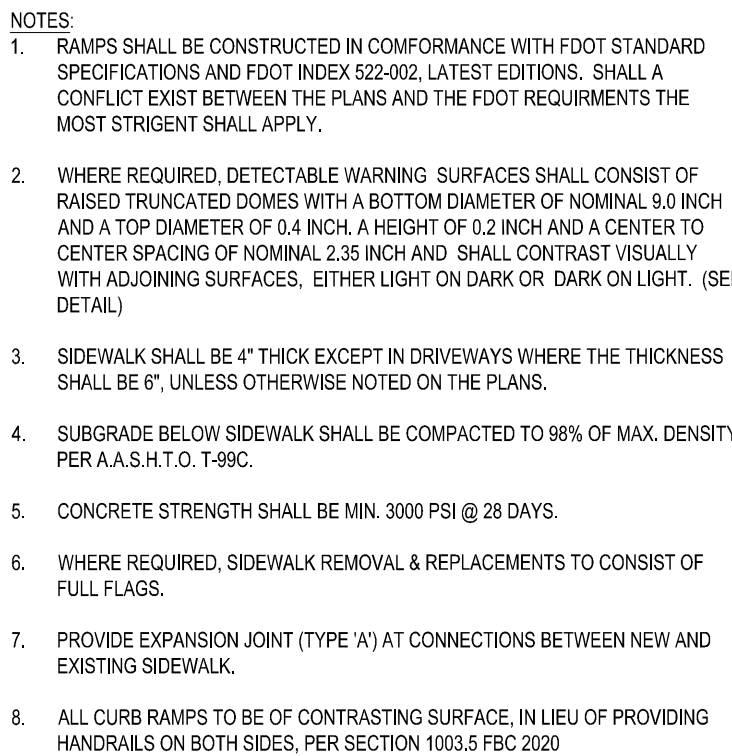
SP-1.0







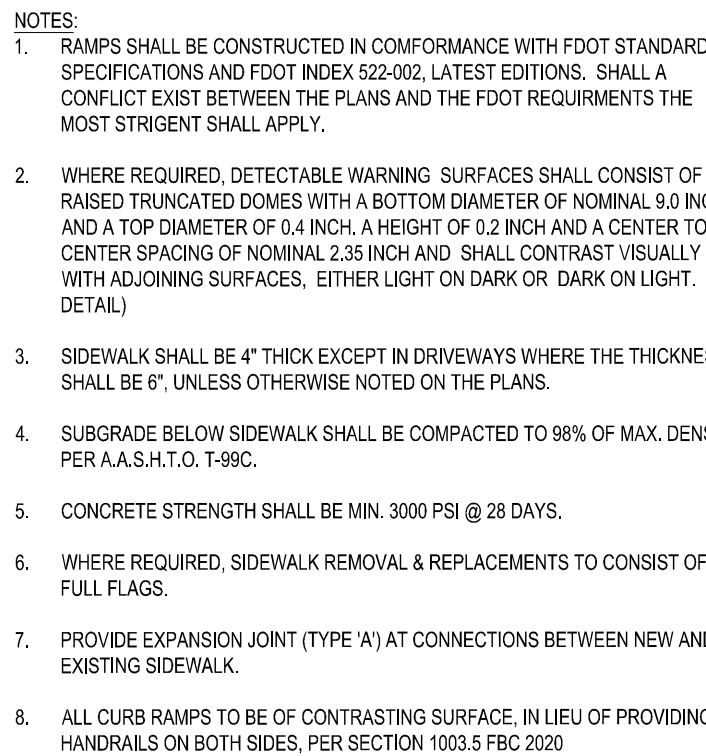
THE LOCATION OF THE BICYCLE RACK SHOULD BE SUCH THAT IT IS VISIBLE AND IS COMPLIANT WITH THE CURRENT VERSION OF THE PROPOSED ACCESSIBILITY, GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG) PREFERABLY ON THE APPROACH SIDE OF THE BUILDING OR STRUCTURE PARKING IS EXPECTED, AT LEAST 50% OF THE BICYCLE PARKING SPOTS SHOULD BE COVERED BY AN OVERHANG OR ACTUAL STORAGE FACILITY. UPPER ELEMENTS OF THE BICYCLE RACK SHOULD NOT PROTRUDE, CREATING AN OBSTACLE FOR A BLIND TRAVELER. THE COLOR OF THE BICYCLE RACK IS 3275 ENGINEERING GRADE/COLOR BLUE.



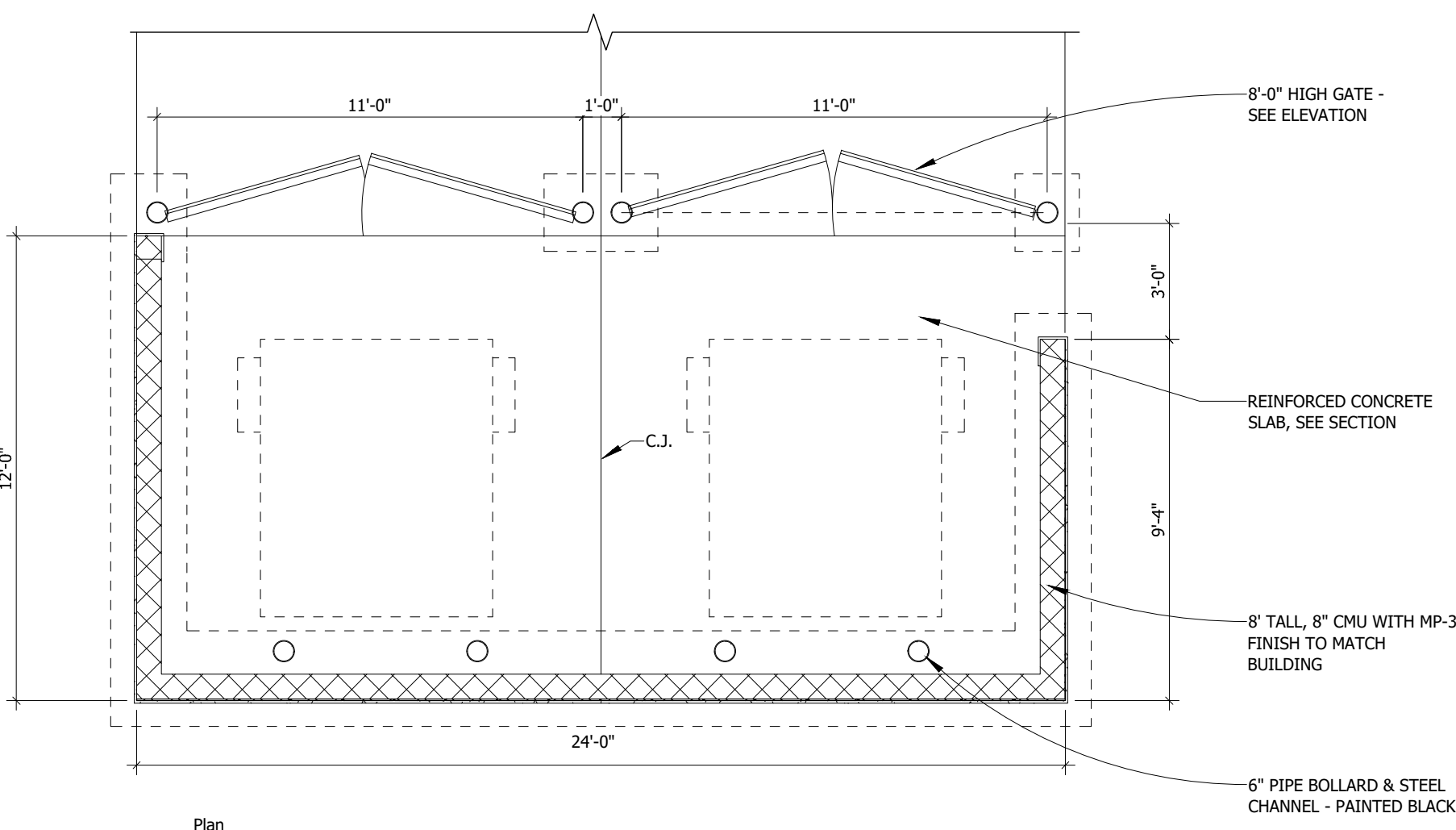
- NOTES
1. RAMPS SHALL BE CONSTRUCTED IN CONFORMANCE WITH FOOT STANDARD SPECIFICATIONS AND FOOT INDEX 020200. LATEST EDITIONS. SHALL A CONFLICT EXIST BETWEEN THE PLANS AND THE FOOT REQUIREMENTS THE MOST STRINGENT SHALL APPLY.
2. WHERE REQUIRED, DETECTABLE WARNING SURFACES SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A BOTTOM DIAMETER OF NOMINAL 3.0 INCH AND A CENTER OF 0.4 INCH. A HEIGHT OF 0.2 INCH AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCH. SHALL CONSTRUCT VISUALLY WITH ADJOINING SURFACES. EITHER LIGHT ON DARK OR DARK ON LIGHT. (SEE DETAIL)
3. SIDEWALK SHALL BE 4" THICK EXCEPT IN DRIVEWAYS WHERE THE THICKNESS SHALL BE 6" UNLESS OTHERWISE NOTED ON THE PLANS.
4. SUBGRADE BELOW SIDEWALK SHALL BE COMPACTED TO 98% OF MAX. DENSITY PER A.S.T.M. T-99C.
5. CONCRETE STRENGTH SHALL BE MIN. 3000 PSI @ 28 DAYS.
6. WHERE REQUIRED, SIDEWALK REMOVAL & REPLACEMENTS TO CONSIST OF FULL FLUGS.
7. PROVIDE EXPANSION JOINT (TYPE 'A') AT CONNECTIONS BETWEEN NEW AND EXISTING SIDEWALK.
8. ALL CURB RAMPS TO BE OF CONTRASTING SURFACE. IN LIEU OF PROVIDING HANDRAILS ON BOTH SIDES, PER SECTION 1003.5.F. FNU20

ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 mm) FROM THE BACK OF CURB WITHIN FDOT ROWS AND 36 INCHES (914.4 mm) FROM THE BACK OF CURB AT ALL OTHER LOCATIONS.

SCALE: NONE



SCALE: NONE

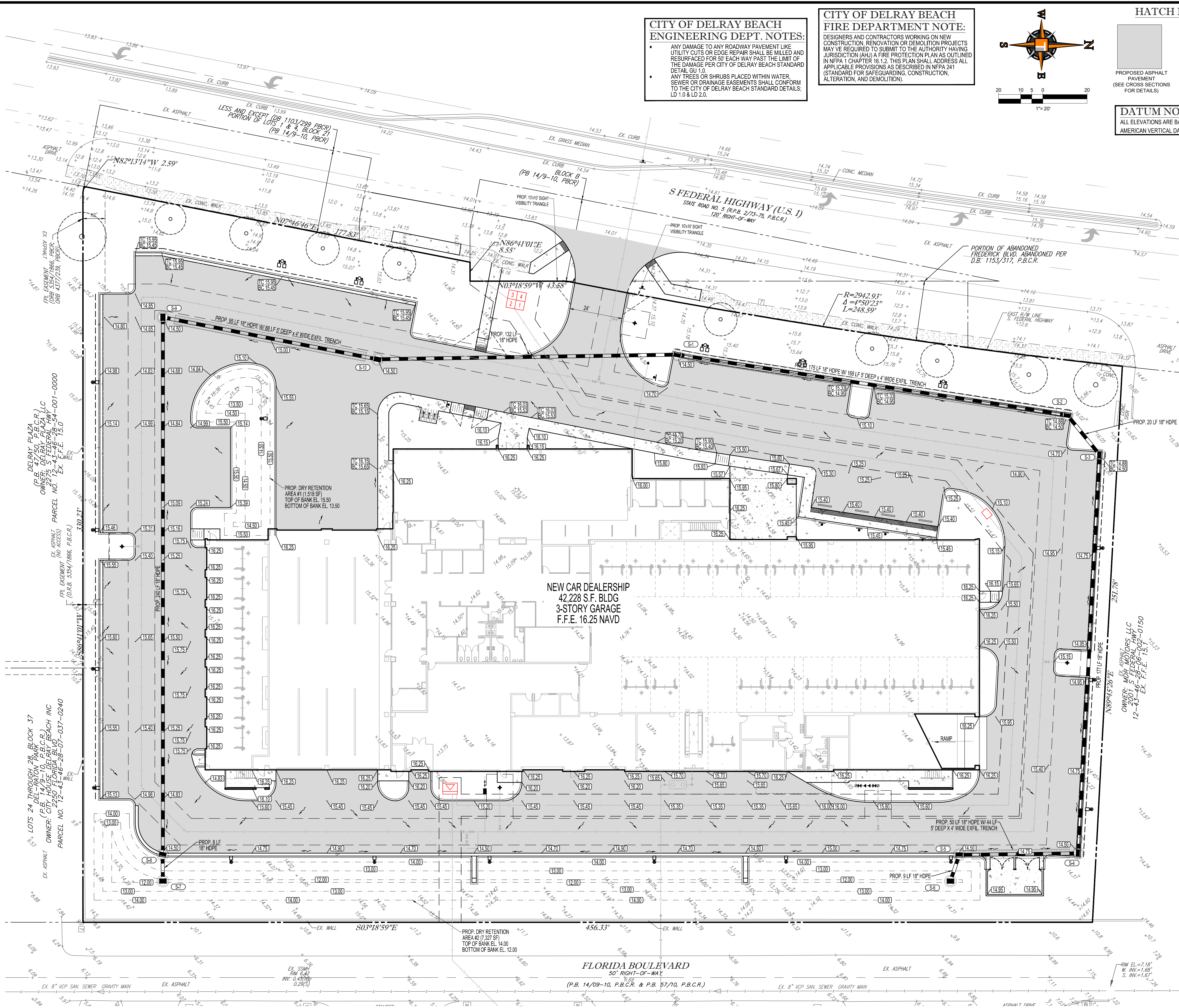


SCALE: NONE

SP-2.1

MICHAEL A. TROVILL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 50572. THIS PLAN HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL A. TROVILL, PE, ON 7/17/2025. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE APPLIED TO ANY ELECTRONIC COPIES.

Printed on: Thursday, July 17, 2025, 11:47 AM by Corey Spaulding

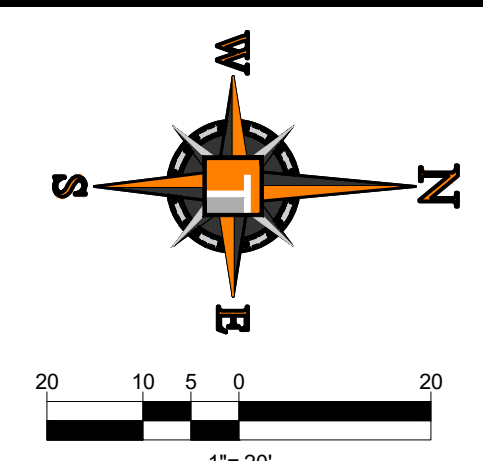


**CITY OF DELRAY BEACH
ENGINEERING DEPT. NOTES:**

- ANY DAMAGE TO ANY ROADWAY PAVEMENT LIKE UTILITY CUTS OR EDGE REPAIR SHALL BE MILLED AND RESURFACED FOR 50' EACH WAY PAST THE LIMIT OF THE DAMAGE PER CITY OF DELRAY BEACH STANDARD DETAIL GU 1.0.
- ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS: LD 1.0 & LD 2.0.

**CITY OF DELRAY BEACH
FIRE DEPARTMENT NOTE:**

DESIGNERS AND CONTRACTORS WORKING ON NEW CONSTRUCTION, RENOVATION OR DEMOLITION PROJECTS MAY BE REQUIRED TO SUBMIT TO THE AUTHORITY HAVING JURISDICTION (AHJ) A FIRE PROTECTION PLAN AS OUTLINED IN NFPA 1 CHAPTER 16.1.2. THIS PLAN SHALL ADDRESS ALL APPLICABLE PROVISIONS AS DESCRIBED IN NFPA 241 (STANDARD FOR SAFEGUARDING, CONSTRUCTION, ALTERATION, AND DEMOLITION).



HATCH LEGEND

PROPOSED ASPHALT PAVEMENT (SEE CROSS SECTIONS FOR DETAILS)

PROPOSED CONCRETE (SEE CROSS SECTIONS FOR DETAILS)

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

SIDEWALK, PAVEMENT AND CURBING NOTES:

- ALL YARD DRAINS, FRAMES AND GRATES MUST BE ADA COMPLIANT.
- ALL CONCRETE SIDEWALKS LOCATED WITHIN DRIVEWAY CURB RETURNS AND WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 6" IN THICKNESS AND ALL SIDEWALKS ON-SITE SHALL BE 4" IN THICKNESS UNLESS OTHERWISE NOTED.
- ALL SIDEWALKS, PAVEMENT AND CURBING SHALL BE DESIGNED PURSUANT TO THE CITY OF COCONUT CREEK STANDARD DETAIL WHEN APPLICABLE.

DRAINAGE STRUCTURE TABLE

STRUCT. NO.	TYPE / SIZE	GRATE ELEV.	INVERT
S-1	C-4 CURB INLET	14.50	7.50 SE 11.00 N
S-2	C-4 CURB INLET	14.50	11.00 S 10.25 NE
S-3	C-4 CURB INLET	14.50	10.25 SW 10.25 E
S-4	C-4 CURB INLET	14.50	10.25 W 11.00 S
S-5	C-4 CURB INLET	14.50	11.00 N 9.50 SE
S-6	TYPE E INLET	13.50	8.50 NW
S-7	TYPE E INLET	13.50	8.50 W
S-8	C-4 CURB INLET	14.50	7.25 W 9.50 E
S-9	TYPE E INLET	14.50	10.25 E 11.00 NE
S-10	TYPE E INLET	14.50	11.00 SW 7.50 NW

LEGEND		
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
S	SAN. SEWER MAIN	S
SL	SAN. SEWER LATERAL	SL
FM	FORCE MAIN	FM
W	WATER MAIN	W
F	FIRE LINE	F
RMW	RE-USE WATER MAIN	RMW
E	UNDERGROUND ELEC. LINE	E
OH	OVERHEAD WIRE	OH
T	UNDERGROUND TELE. LINE	T
C	UNDERGROUND CATV LINE	C
G	UNDERGROUND GAS LINE	G
SS	STORM SEWER	SS
SL	STORM SEWER LATERAL	SL
+	FIRE HYDRANT	+
FDC	FDC	FDC
⊙	SANITARY MANHOLE	⊙
⊙	STORM MANHOLE	⊙
⊙	CATCH BASIN	⊙
⊙	YARD INLET	⊙
⊙	WATER VALVE	⊙
⊙	BACKFLOW PREVENTER	⊙
⊙	WATER METER	⊙
○	CLEAN OUT	○
⊙	ELECTRIC MANHOLE	⊙
⊙	TELEPHONE MANHOLE	⊙
⊙	ELECTRIC TRANSFORMER	⊙
⊙	GRADE SPOT SHOT (BOTTOM ELEVATION IF AT CURB)	⊙
⊙	TOP OF CURB	⊙
⊙	BOTTOM OF CURB	⊙

CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

125 W. INDIANTOWN RD.
JUPITER, FL 33469
P: (561) 203-7503

REVISIONS

REV.	DATE	REVISION	BY:

Sunshine 811

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

ENTITLEMENT

PROJECT No.: F230086
DRAWN BY: CS
CHECKED BY: MAT
DATE: 7/11/25
CAD I.D.: F230086 PGD

PROJECT:

KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

FOR

Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL

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

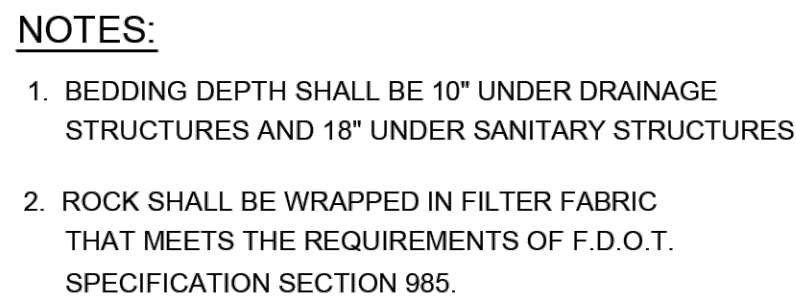
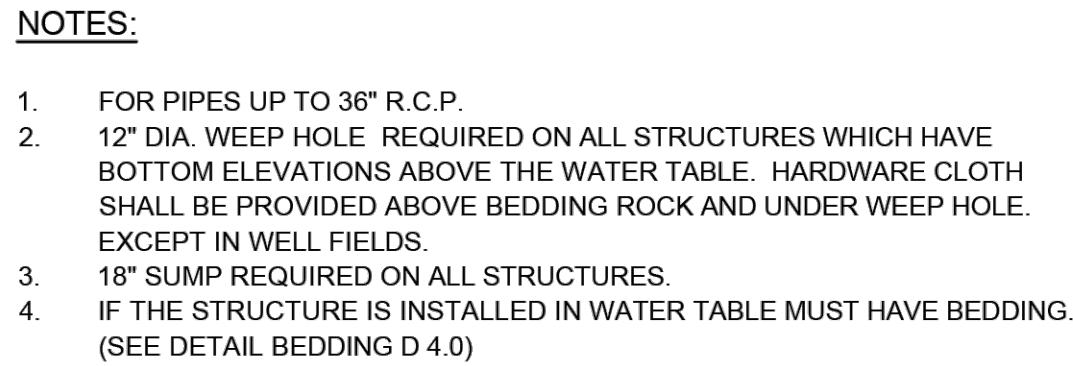
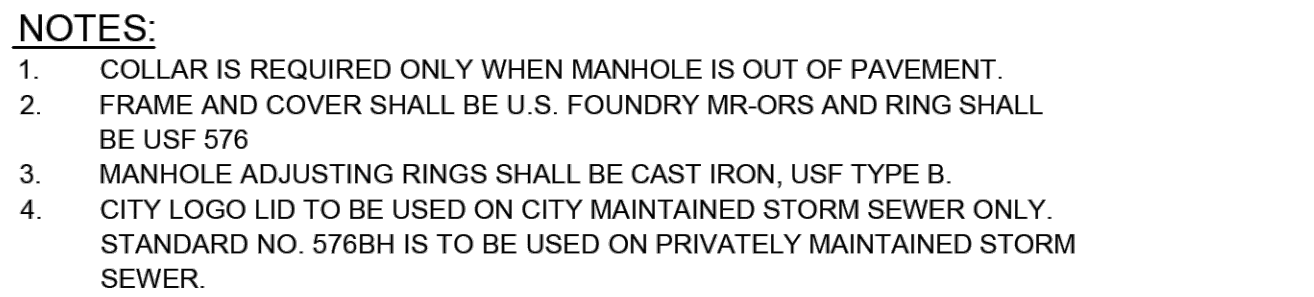
July 17, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

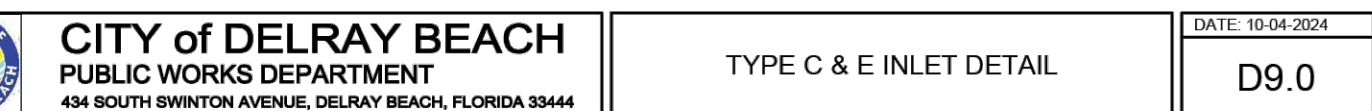
PAVING, GRADING & DRAINAGE PLAN

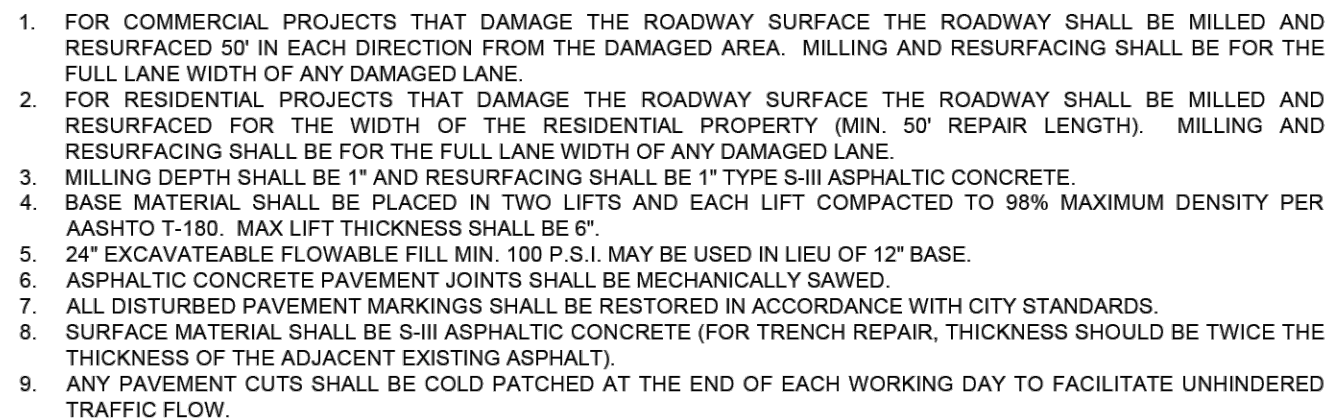
SHEET NUMBER:

PD-1.0

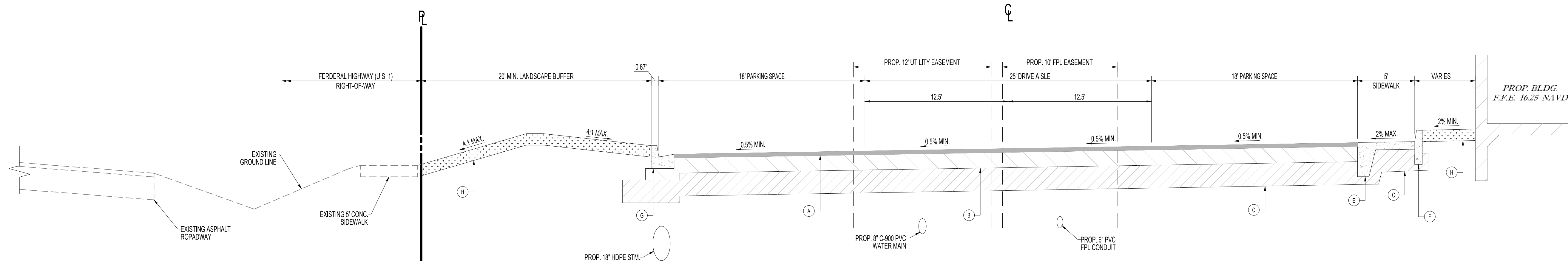


CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444	TYPE C & E INLET TYPE "F" CURB FRAME & GRATE	DATE: 10-04-2024 D6.0
	(This area is reserved for additional information or notes.)	



[illegible]

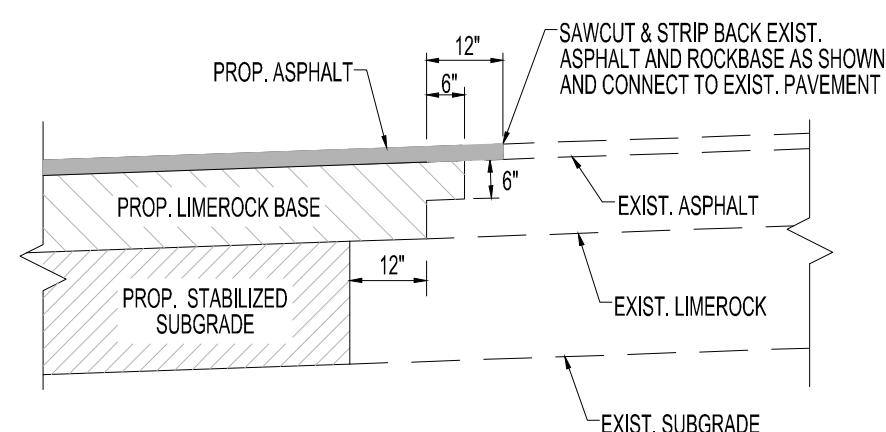
MICHAEL A. TROVIELL, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 56572 - THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL A. TROVIELL, PE ON 7/15/2025. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE APPLIED ON ANY ELECTRONIC COPIES.



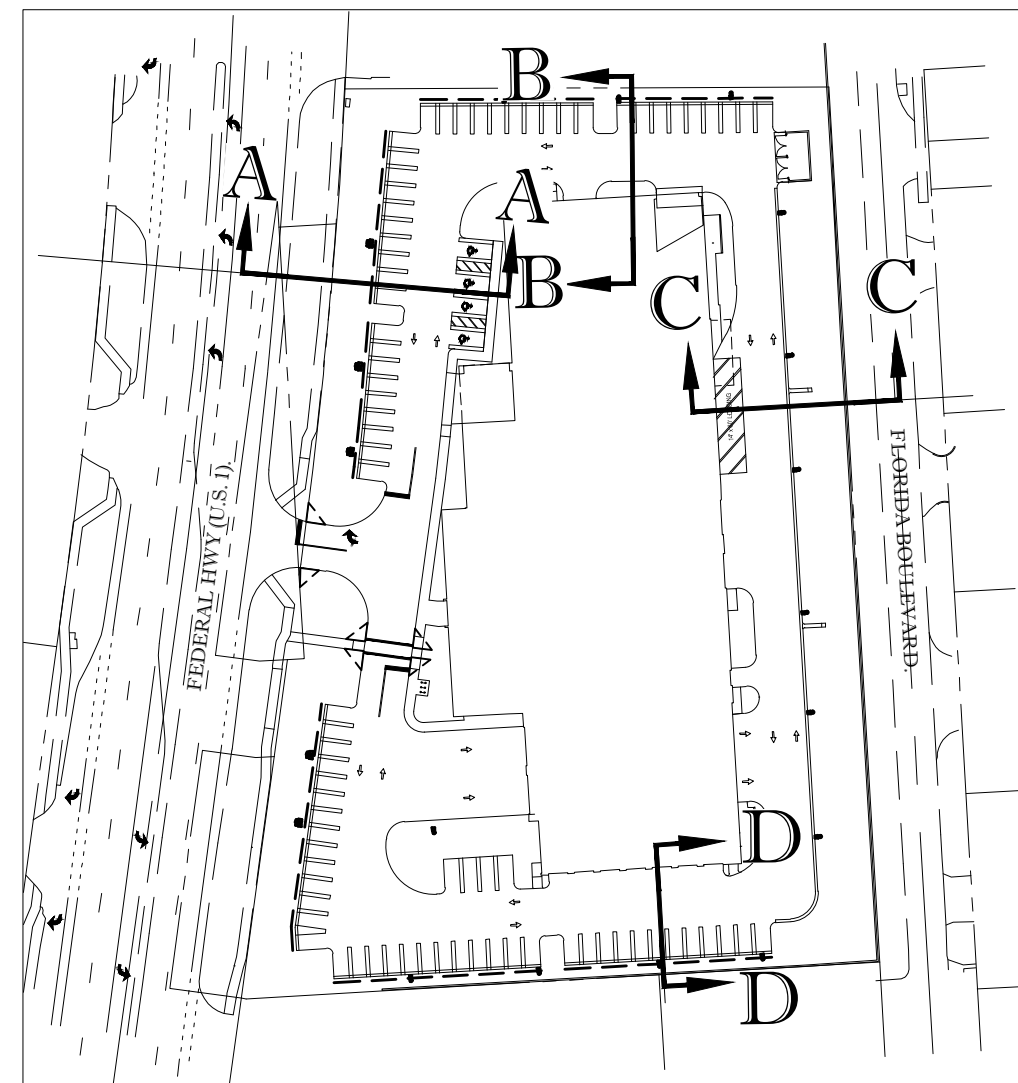
SECTION A-A
NOT TO SCALE

**SIDEWALK, PAVEMENT
AND CURBING NOTES:**

1. ALL CONCRETE SIDEWALKS LOCATED WITHIN DRIVEWAY CURB RETURNS AND WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 6" IN THICKNESS AND ALL SIDEWALKS ON-SITE SHALL BE 4" IN THICKNESS UNLESS OTHERWISE NOTED.
2. ALL SIDEWALKS, PAVEMENT AND CURBING SHALL BE DESIGNED PURSUANT TO THE CITY OF DELRAY BEACH STANDARD DETAIL WHEN APPLICABLE.



EXISTING PAVEMENT TIE-IN DETAIL



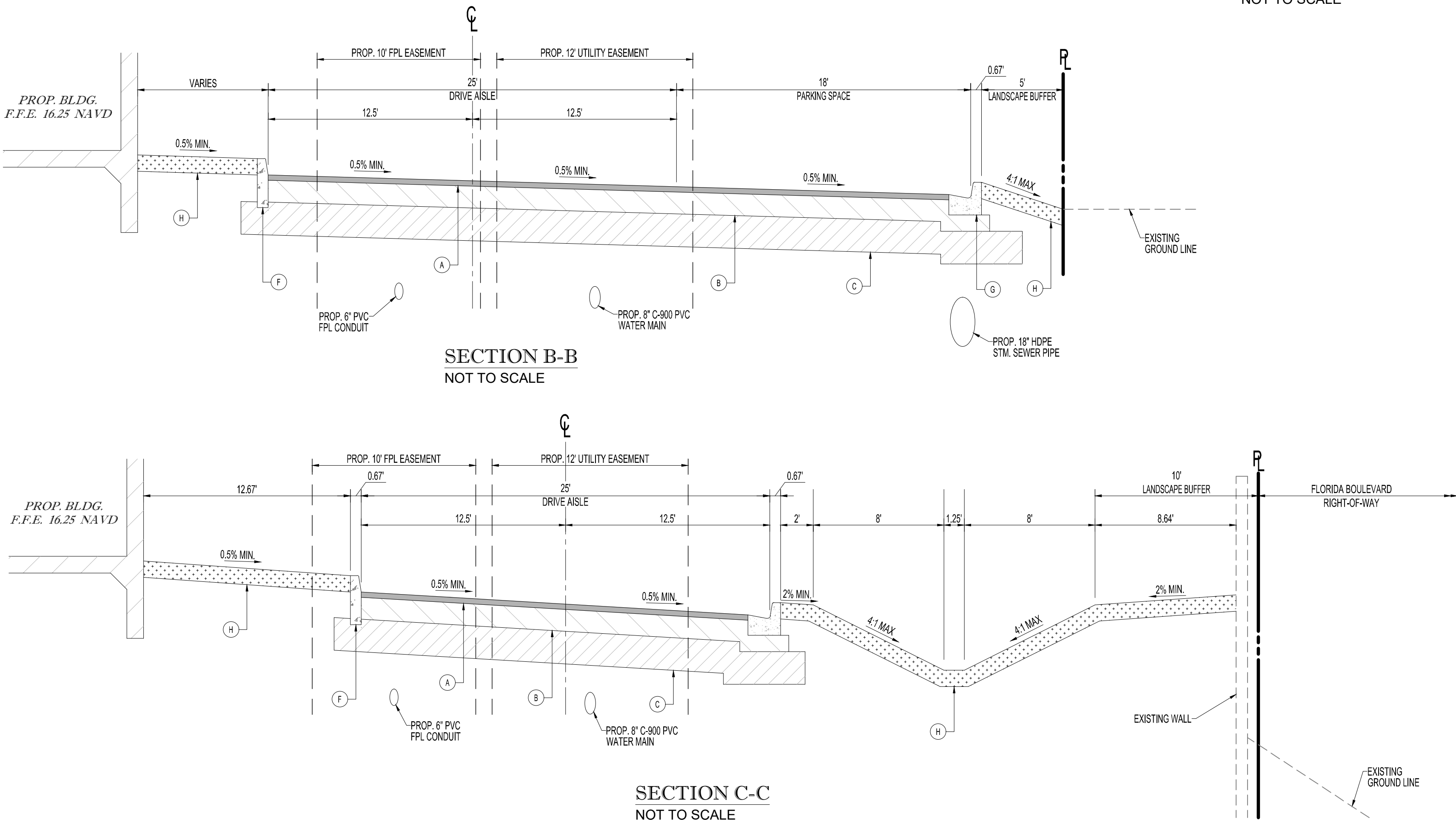
KEY MAP

LEGEND

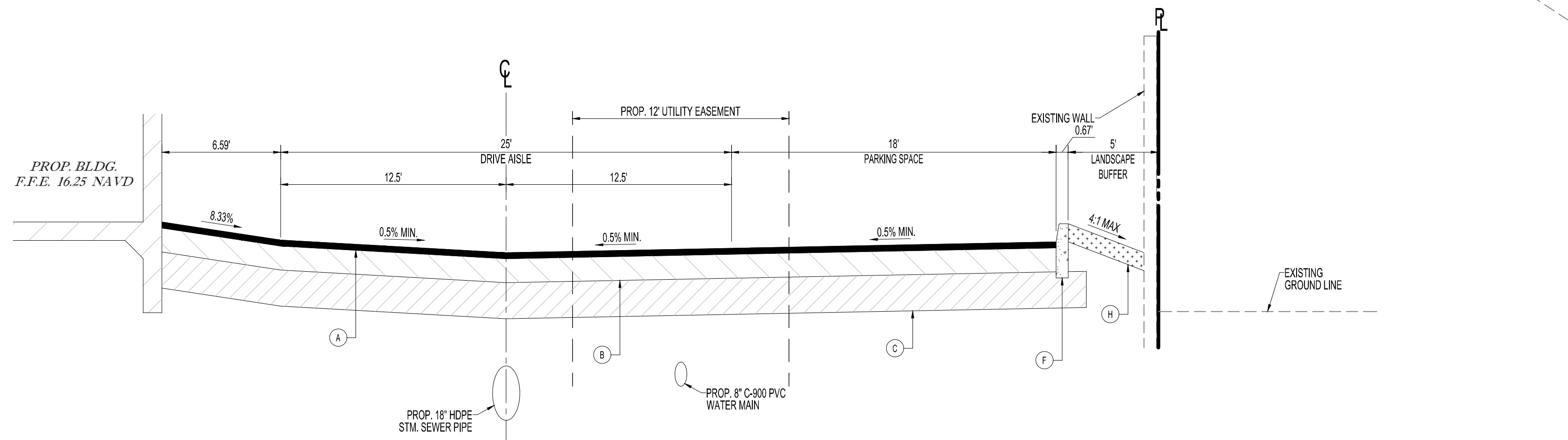
- (A) WEARING SURFACE: INSTALLATION OF THE 2" ASPHALTIC CONCRETE SURFACE COURSE WHICH SHALL CONFORM WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR TYPE SP-9.5 ASPHALTIC CONCRETE, AND SHALL BE CONSTRUCTED WITH (2) LIFTS OF 3/4" SP-9.5 ASPHALTIC CONCRETE WITH TACK COAT BETWEEN LIFTS.
- (B) LIME ROCK BASE: LIME ROCK BASE COURSE MATERIAL SHALL BE A MINIMUM 8" THICKNESS AND COMPACTED TO 98% MAXIMUM DRY DENSITY PER AASHTO T-180 (LBR 100).
- (C) SUB-BASE: 12" STABILIZED SUB-BASE COMPACTED TO 98% OF MAX. DRY DENSITY PER AASHTO T-180 (MIN LBR 40).
- (D) RESERVED
- (E) CONCRETE SIDEWALK: 4" THICK (6" WITHIN CURB RETURNS AND WITHIN PUBLIC RIGHT-OF-WAY) 3,000 PSI CONCRETE @ 28 DAYS WITH FIBER MESH REINFORCEMENT AND EXPANSION JOINTS ALONG STRUCTURES AND CURBING.
- (F) CURB: TYPE 'D' CURB PER CITY OF DELRAY BEACH STANDARD DETAILS
- (G) CURB: TYPE 'F' CURB & GUTTER PER CITY OF DELRAY BEACH STANDARD DETAILS
- (H) LANDSCAPE AREA: SEE LANDSCAPE PLAN AND IF NOTHING SPECIFIED, PLACE 6" TOPSOIL AND SOD.

PAVEMENT NOTES:

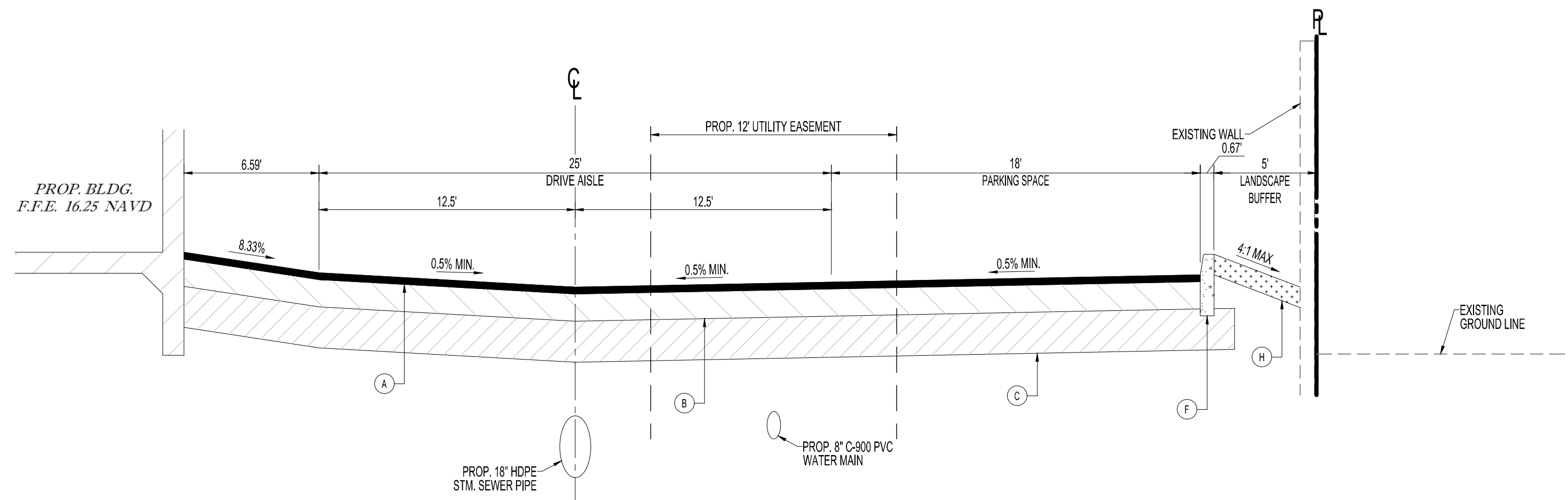
1. THE FULL DEPTH OF ALL EXISTING ORGANIC AND DELETERIOUS MATERIAL WITHIN THE ROADWAYS, RIGHT-OF-WAYS AND UTILITY/DRAINAGE EASEMENTS SHALL BE REMOVED. NO MATERIAL OF FDOT CLASS A-5, A-7 OR A-8 SHALL BE ALLOWED.
2. ALL MATERIAL SUPPORTING THE ROADWAY AND SHOULDERS SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (L.B.R.) OF 40. THE SUBGRADE SHALL BE 12" COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS PER AASHTO T-180. THE ENGINEER AND COUNTY INSPECTOR WILL DETERMINE THE LOCATION AND NUMBER OF DENSITY TESTING, WHICH SHALL BE APPROXIMATELY ONE DENSITY FOR EVERY 7000 SQUARE FEET OF ROAD.
3. LIMEROCK BASE SHALL BE PRIMED AND SHALL HAVE A MINIMUM LIMEROCK BEARING RATE (LBR) OF 100, SHALL BE OF THE MIAMI FORMATION, HAVING A MINIMUM PERCENTAGE OF CARBONATES OF CALCIUM AND MAGNESIUM OF 60, UNLESS OTHERWISE APPROVED. BASE MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVED AREAS.
4. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN INSTALLED, TESTED AND ACCEPTED.
5. PRIME AND TACK COAT FOR BASE SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF SECTIONS 300-1 THROUGH 300-7 OF F.D.O.T. STANDARDS SPECIFICATIONS. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD.
6. APPLY TACK COAT BETWEEN PAVING COURSES AS PER CITY OF DELRAY BEACH STANDARDS (0.05 GAL/SYD).
7. ALL GRADES SHOWN ARE FINISH ASPHALT PAVEMENT GRADES (2ND LIFT) UNLESS OTHERWISE NOTED.
8. ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. UTILITY PIPING OR WIRING LESS THAN FOUR (4) INCHES IN DIAMETER REQUIRES A SCHEDULE 40 PVC CASING PIPE WITH SAND BACKFILLS UNDER PAVED AREAS ONLY.
9. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE PLAN.
10. LABORATORY PROCTOR COMPACTION TEST (T-180) SHALL BE PERFORMED ON ALL MATERIAL, SUBGRADE AND BASE AND ANY SUBSEQUENT CHANGES IN MATERIALS. LIMEROCK BEARING RATIOS, SIEVE ANALYSIS AND DENSITIES REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER-OF-RECORD.



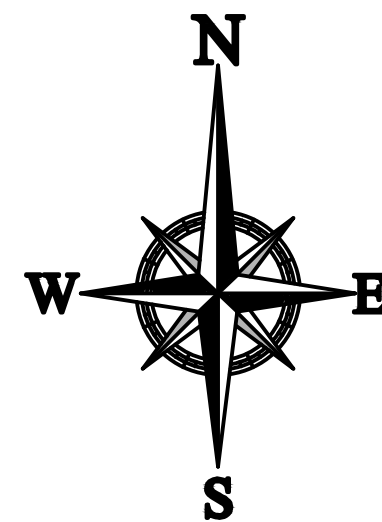
SECTION B-B
NOT TO SCALE



SECTION C-C
NOT TO SCALE



SECTION D-D
NOT TO SCALE



REVISIONS			
REV.	DATE	COMMENT	BY



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ENTITLEMENT

PROJECT No.:	F230085
DRAWN BY:	CS
CHECKED BY:	MAT
DATE:	7/11/25
CAD I.D.:	F230085 SECTIONS

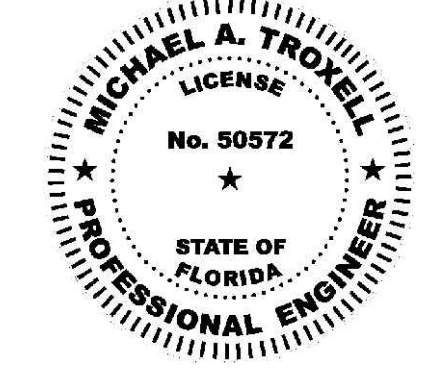
PROJECT:
KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

FOR

Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL



6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
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July 15, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

SECTIONS

SHEET NUMBER:

PD-3.0

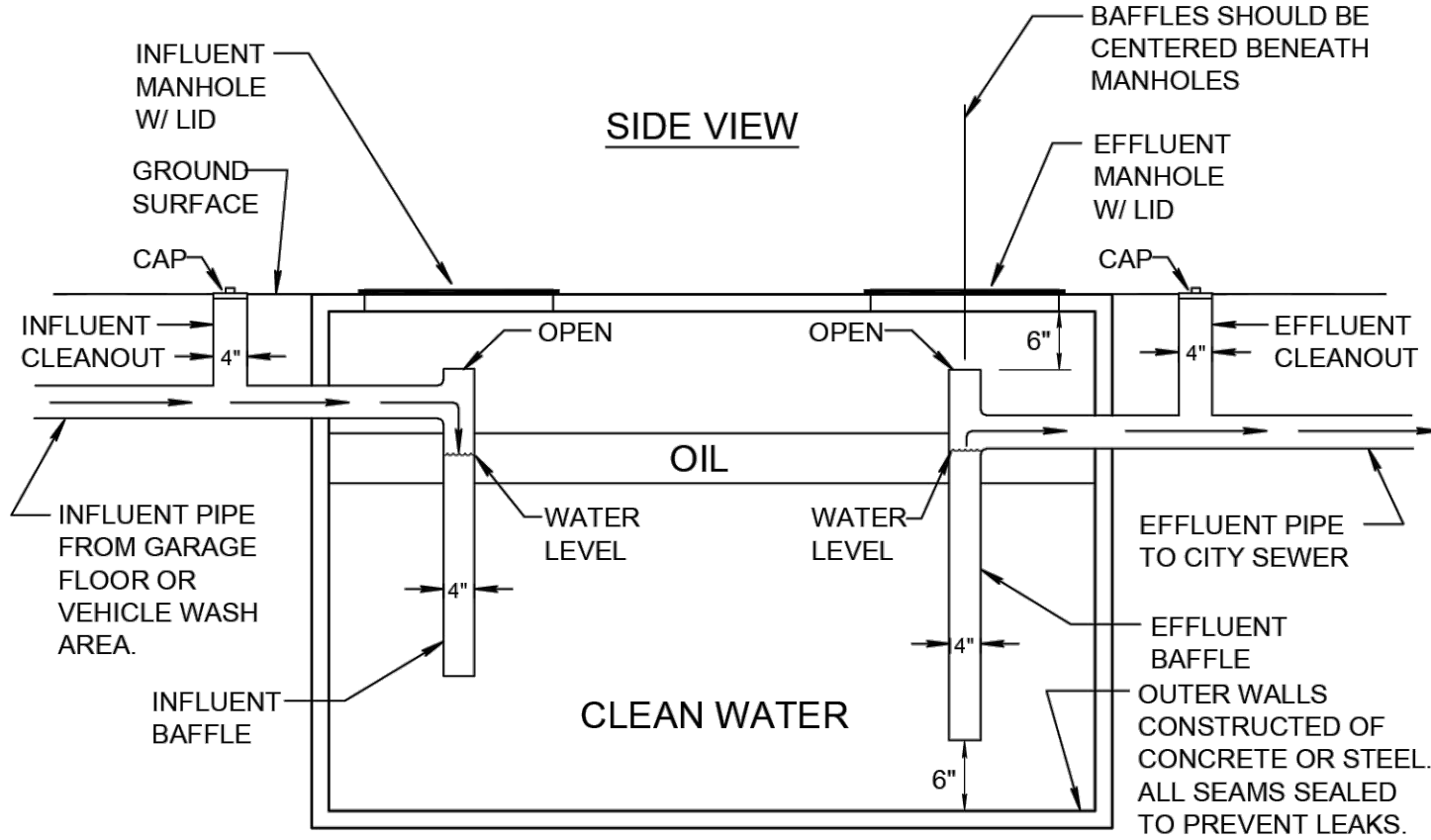


SIZING AND LOCATION:

NOTE:

NOMINAL PIPE SIZE, IN.	TRANSVERSE AREA OF PIPE, SQ. IN.	MINIMUM FLOW REQUIREMENTS (INTERIOR AREAS), SQ. IN.
1-1/2"	2.04	3.06
2	3.14	4.71
3	7.06	10.59
4	12.60	18.90
5	19.60	29.40
6	28.30	42.45
8	50.25	75.38

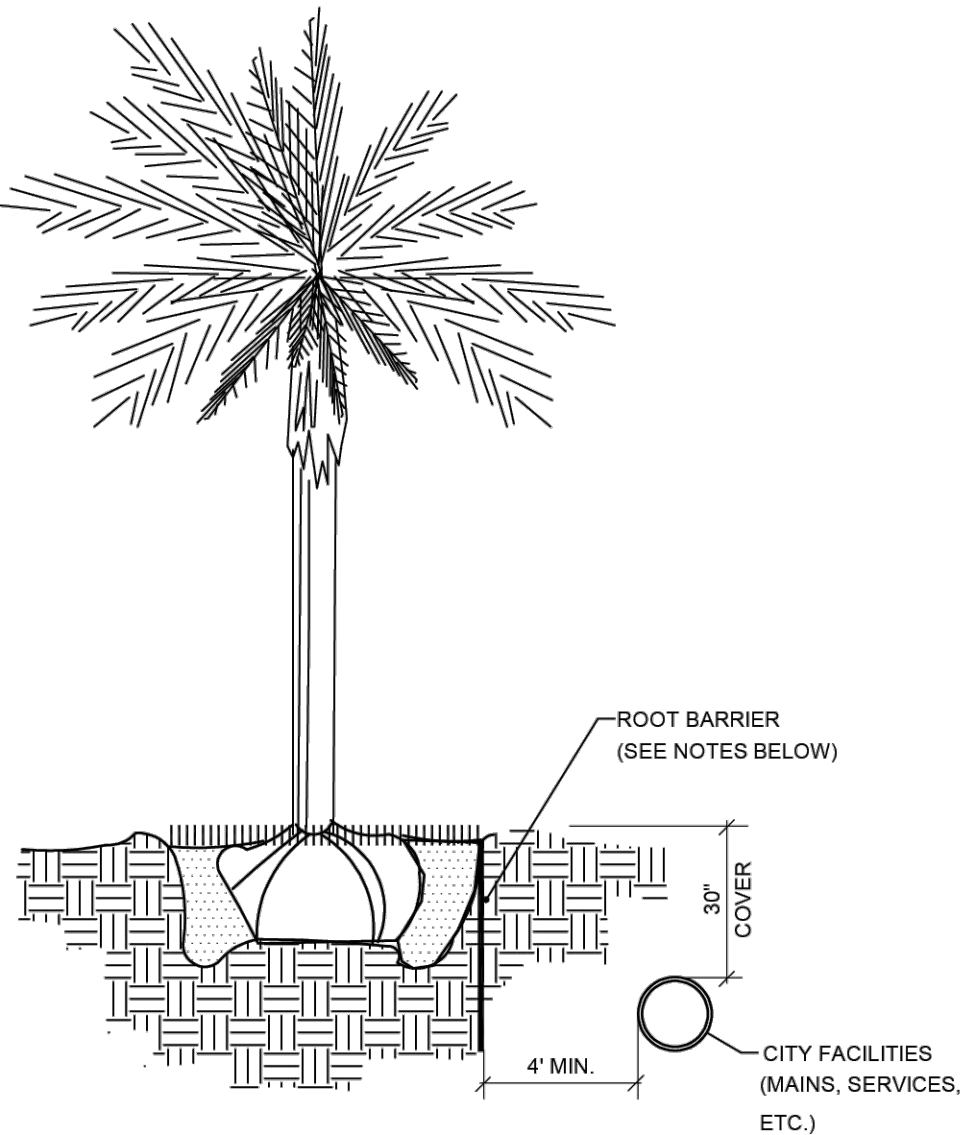
G.P.M.= .0104 x R x A
G.P.M.= GALLONS PER MINUTE
R= INTENSITY (INCHES/HOUR)
A= AREA (SQUARE FEET) .0104 =
CONVERSION FACTOR



- ALL NEW AND EXISTING BUSINESSES OR INDUSTRIES THAT USE PETROLEUM BASE PRODUCTS IN THEIR DAY TO DAY ACTIVITIES WILL BE REQUIRED TO INSTALL AN OIL/WATER SEPARATOR IF THEY CHOOSE TO OPERATE WITH OPEN FLOOR DRAINS.

- ALL SIDES OF IN-GROUND OIL/WATER SEPARATOR UNITS (EXCEPT ACCESS DOORS AND MANHOLES) ARE REQUIRED TO COMPLY WITH FLORIDA PLUMBING CODE, EFFECTIVE MARCH 1, 2009.

- OIL INTERCEPTORS SHALL BE PUMPED OUT COMPLETELY AT A MINIMUM OF ONCE EVERY NINETY (90) DAYS, OR MORE FREQUENTLY AS NEEDED TO PREVENT CARRY OVER OF OIL INTO COLLECTION SYSTEM. SECTION 53.057 OIL & A GREASE MANAGEMENT.



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.
3. 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.

The diagram illustrates the Hinged Closure method for pipeline maintenance, showing two scenarios: WYE ENTRY and WYE EXIT.

WYE ENTRY: A horizontal pipe is shown with a closed valve. A pig is inserted into the pipe from the left. The pig is labeled "PIG".

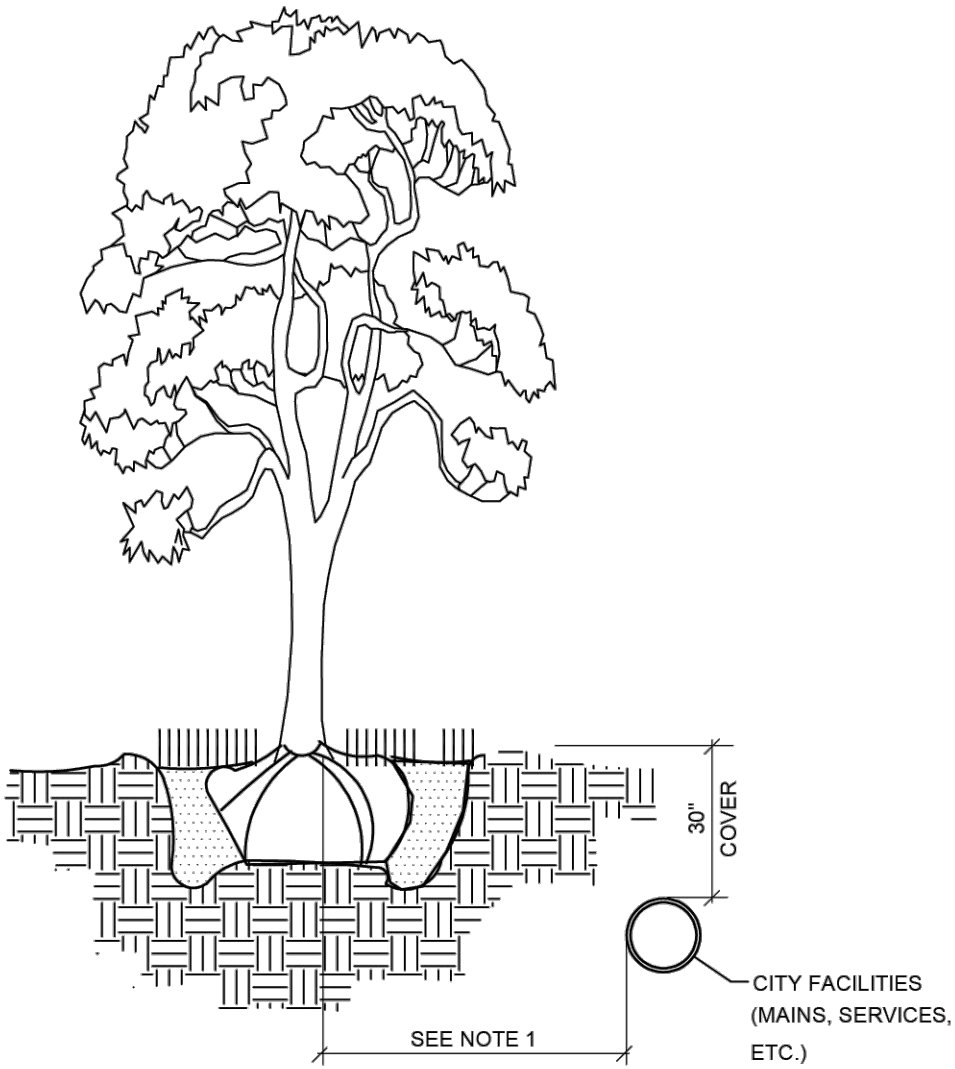
WYE EXIT: A horizontal pipe is shown with a closed valve. A pig is being pushed through the pipe, exiting through a wye junction into a branch pipe. The pig is labeled "PIG".

HINGED CLOSURE

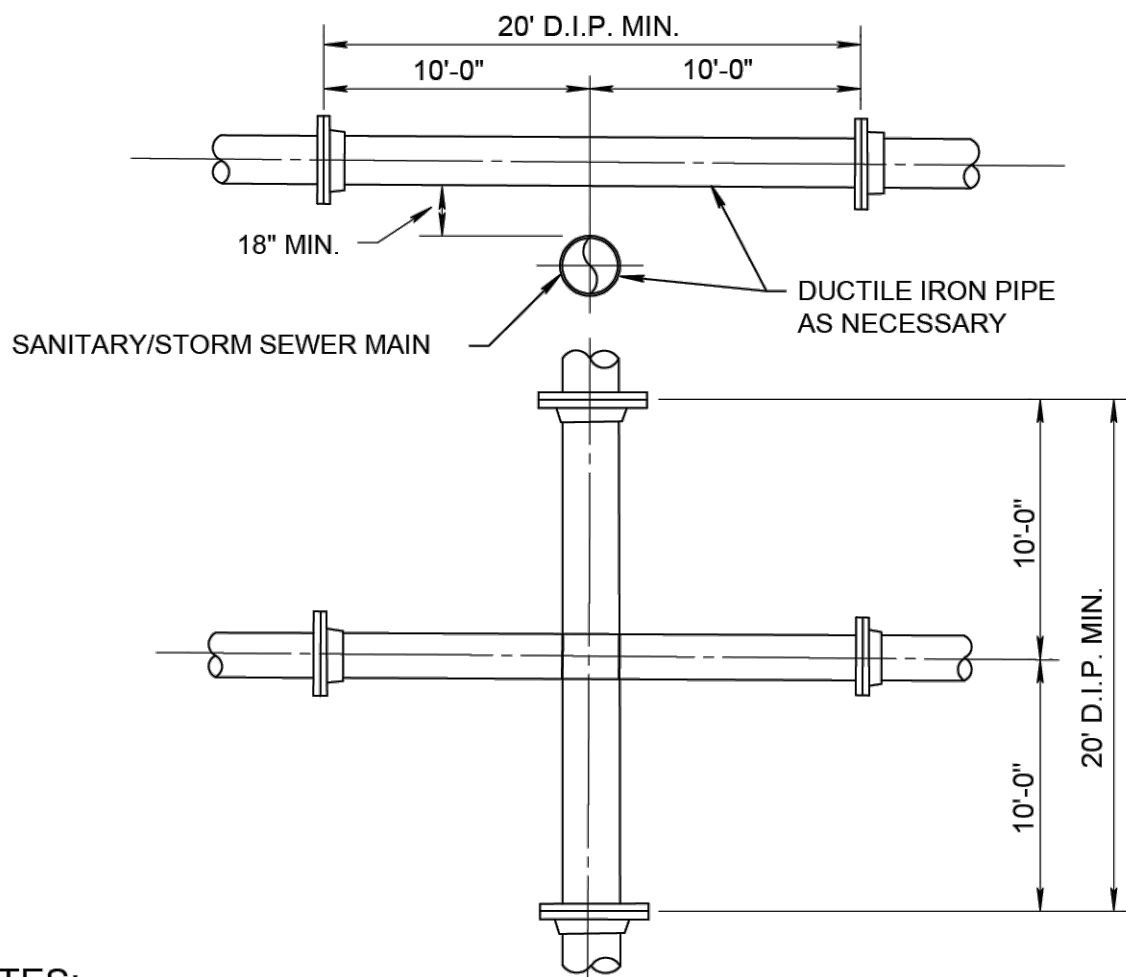
NOTE:

ALL NEWLY INSTALLED PRESSURE PIPE SHALL BE "PIGGED" UNTIL CLEAN AND APPROVED BY ENGINEER DURING THE FILLING AND FLUSHING OPERATION. PIG SIZE SHALL BE PIPE DIAMETER PLUS 2" OR NEXT LARGER DIAMETER.

INDUSTRIAL PRETREATMENT
PROGRAM SAND/GRIT
INTERCEPTOR FOR CAR WASH



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



1. STORM AND SANITARY SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE LOWER PIPE SHALL BE LAPPED UNDER THE UPPER PIPE. THE MINIMUM VERTICAL SEPARATION EQUIDISTANT FROM POINT OF CROSSING WITH NO LESS THAN (10) FEET BETWEEN ANY TWO JOINTS AND BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE 6 INCHES. WHERE THERE IS NO ALTERNATIVE TO SEWER PIPES CROSSING OVER A WATER MAIN, THE WATER MAIN SHALL BE COVERED FOR THE CROSSING LENGTH AND JOINT ADJUSTMENT SHALL BE STARTED ABOVE. SHALL BE REQUIRED AND BOTH PIPES SHALL BE CLASS 350 D.I.P. IRRESPECTIVE OF SEPARATION. D.I.P. IS NOT REQUIRED FOR STORM SEWERS.

2. MAINTAIN (10) FEET HORIZONTAL DISTANCE BETWEEN WATER MAIN AND STORM OR SANITARY SEWER MAIN, AS A MINIMUM.
3. FORCE MAIN CROSSING WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE WATER MAIN WITH WATER MAIN CROSSING OVER FORCE MAIN.
4. SEWER SERVICE LATERALS SHALL CROSS UNDER WATERMAINS WITH A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES. IF EIGHTEEN (18) INCHES VERTICAL SEPARATION CANNOT BE MAINTAINED, THEN THE WATERMAIN SHALL BE D.I.P. AND THE SANITARY LATERAL C-900 SDR18 OR BETTER AND THE MINIMUM SEPARATION SHALL BE SIX (6) INCHES.
5. WHEN IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER THE SEWER SERVICE LATERAL A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED. THE WATERMAIN SHALL BE D.I.P. AND THE SEWER LATERAL SHALL BE C-900 SDR-18 OR BETTER.

TYPICAL TREE WITHOUT
ROOT BARRIER

WATER MAIN & SEWER CONFLICTS

TYPICAL TREE WITH
ROOT BARRIER

1. THE DATA IN THE PREVIOUS TABLE IS BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:

SOIL TYPE	SAND
TEST PRESSURE	150 PSI, 200 PSI FOR PIPES LARGER THAN 24"
DEPTH OF BURY	3'
TRENCH TYPE	3
SAFETY FACTOR	1.5
VERTICAL OFF-SET	3'
MINIMUM PIPE LENGTHS ALONG TEE RUN	5'

2. THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON PIPE AND PVC PIPE.

3. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.

4. RESTRAINED PIPE LENGTHS FOR VALVES APPLY TO PIPE ON BOTH SIDES OF VALVES

5. THE PREVIOUS TABLE SHALL SERVE AS A GENERAL DESIGN GUIDE ONLY. IT IS THE ENGINEER OF RECORD'S RESPONSIBILITY TO JUSTIFY AND DOCUMENT ANY DEVIATIONS FROM THE PIPE LENGTHS SPECIFIED IN THE PREVIOUS TABLE.

6. SOURCES: EBAA IRON RESTRAINT LENGTH CALCULATION PROGRAM FOR PVC PIPE, RELEASE 3.1 (LATEST EDITION) AND DIPRA RESTRAINT FOR DUCTILE IRON PIPE, RELEASE 3.2 (LATEST EDITION).

7. RESTRAINED JOINTS SHALL EXTEND ONE JOINT BEYOND MINIMUM LENGTH REQUIRED.

PIPE RESTRAINT TABLE
PRESSURE PIPE
(SHEET 2 OF 2)

MINIMUM LENGTHS OF PIPE (FT) TO BE RESTRAINED									
FITTING TYPE		PIPE SIZE							
		4"	6"	8"	10"	12"	16"	20"	24"
90° HORIZ. BEND		14	20	25	30	35	45	54	62
45° HORIZ. BEND		6	8	11	13	15	19	22	26
22.5° HORIZ. BEND		3	4	5	6	7	9	11	12
11.25° HORIZ. BEND		1	2	3	3	4	4	5	6
90° VERT. OFFSET	UPPER BEND	55	79	103	125	147	189	228	266
	LOWER BEND	22	38	49	59	69	88	106	123
45° VERT. OFFSET	UPPER BEND	22	32	42	51	60	77	93	109
	LOWER BEND	10	14	19	23	28	35	43	50
22.5° VERT. OFFSET	UPPER BEND	7	12	17	21	26	34	42	49
	LOWER BEND	2	4	6	8	10	14	17	21
11.25° VERT. OFFSET	UPPER BEND	3	4	6	9	11	15	19	22
	LOWER BEND	1	1	1	2	3	5	7	8
PLUG (DEAD END)		32	45	59	70	83	107	129	151
INLINE VALVE		32	45	59	70	83	107	129	151
TEE (BRANCH RESTRAINT)	4" X Ø"	23							
	6" X Ø"	21	35						
	8" X Ø"	18	34	47					
	10" X Ø"	16	32	46	58				
	12" X Ø"	13	30	44	57	69			
	16" X Ø"	7	26	41	55	67	90		
	20" X Ø"	1	21	38	52	65	88	109	
	24" X Ø"	1	16	34	49	62	86	108	129
REDUCER (LARGER PIPE RESTRAINT)	6" X Ø"	23							
	8" X Ø"	38	25						
	10" X Ø"	57	43	24					
	12" X Ø"	72	60	44	41				
	16" X Ø"	99	90	78	75	45			
	20" X Ø"	123	116	107	105	81	45		
	24" X Ø"	146	140	132	131	111	82	45	
RESTRAIN PIPE ONE BELL PAST MINIMUM DISTANCE									

PIPE RESTRAINT TABLE
PRESSURE PIPE
(SHEET 1 OF 2)

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

[illegible]

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ENTITLEMENT

PROJECT No.:	F230085
DRAWN BY:	CS
CHECKED BY:	MAT
DATE:	7/11/25
CAD I.D.:	F230085 WSU DTL

PROJECT:

KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

— FOR —

Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach. FL

THOMAS
ENGINEERING GROUP

6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
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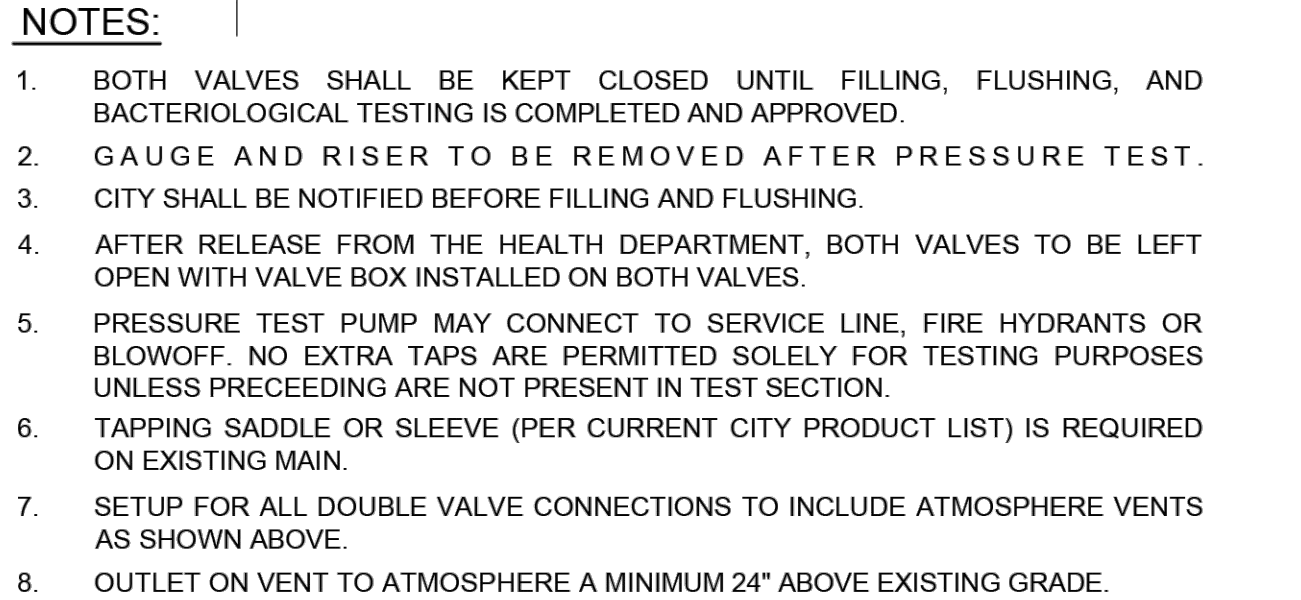
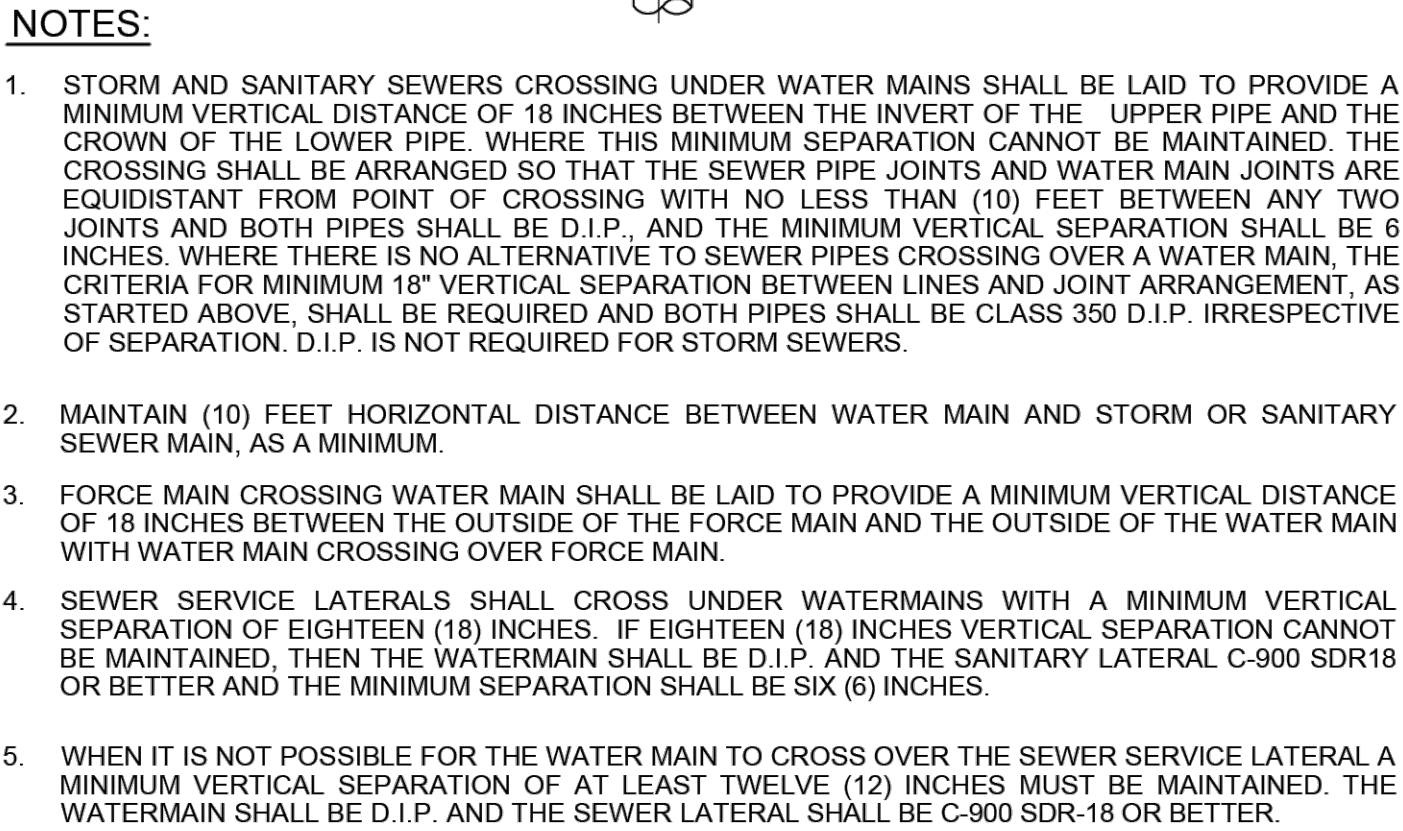
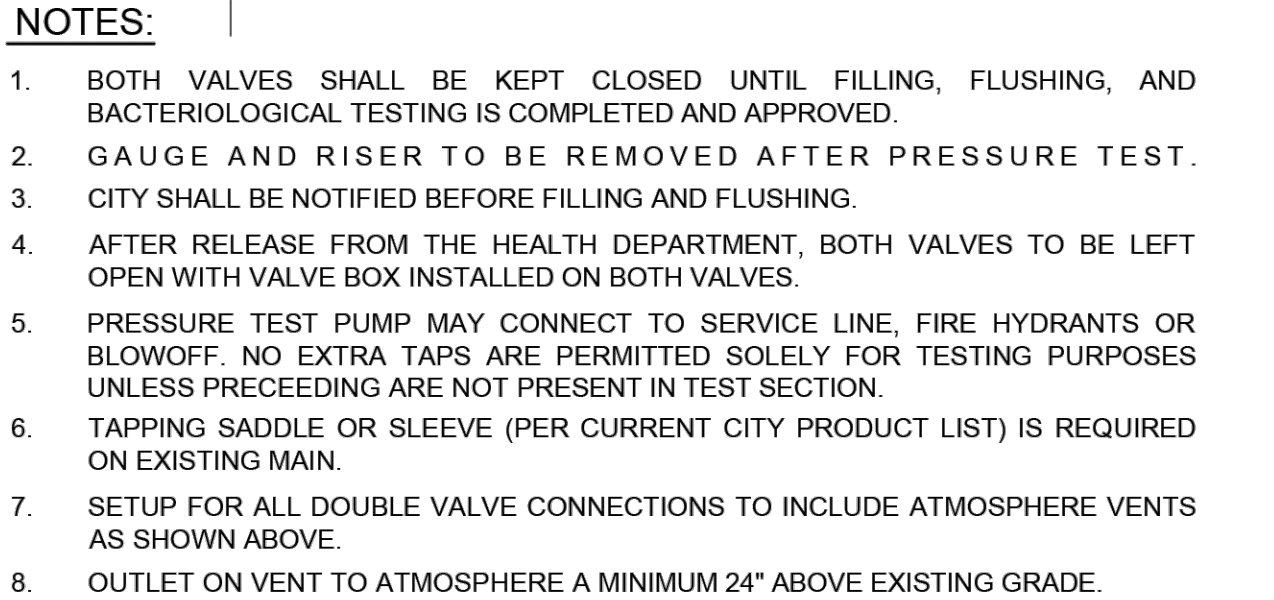
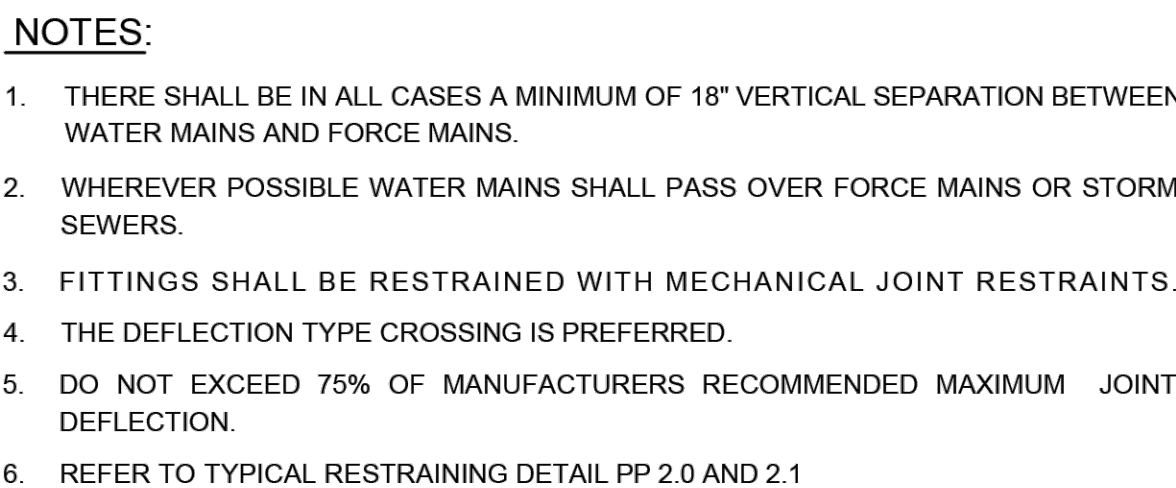
July 15, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

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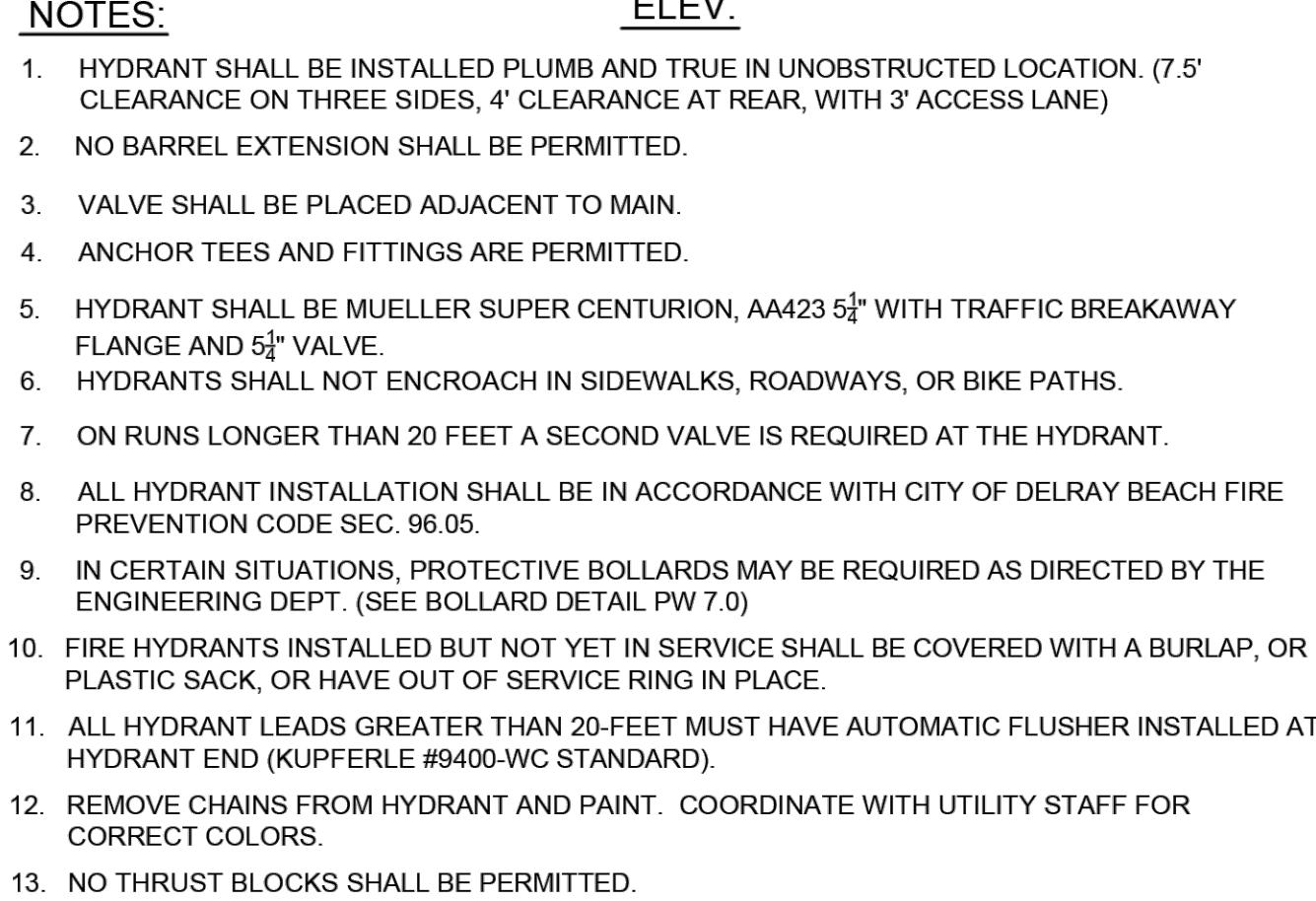
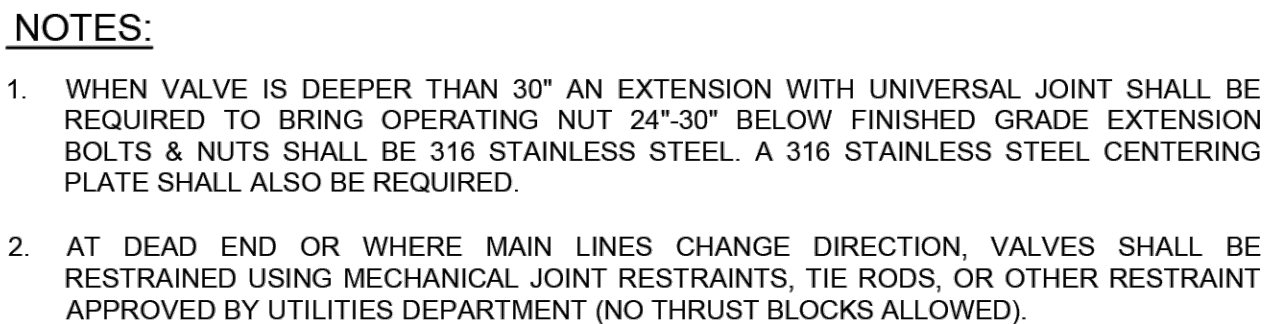
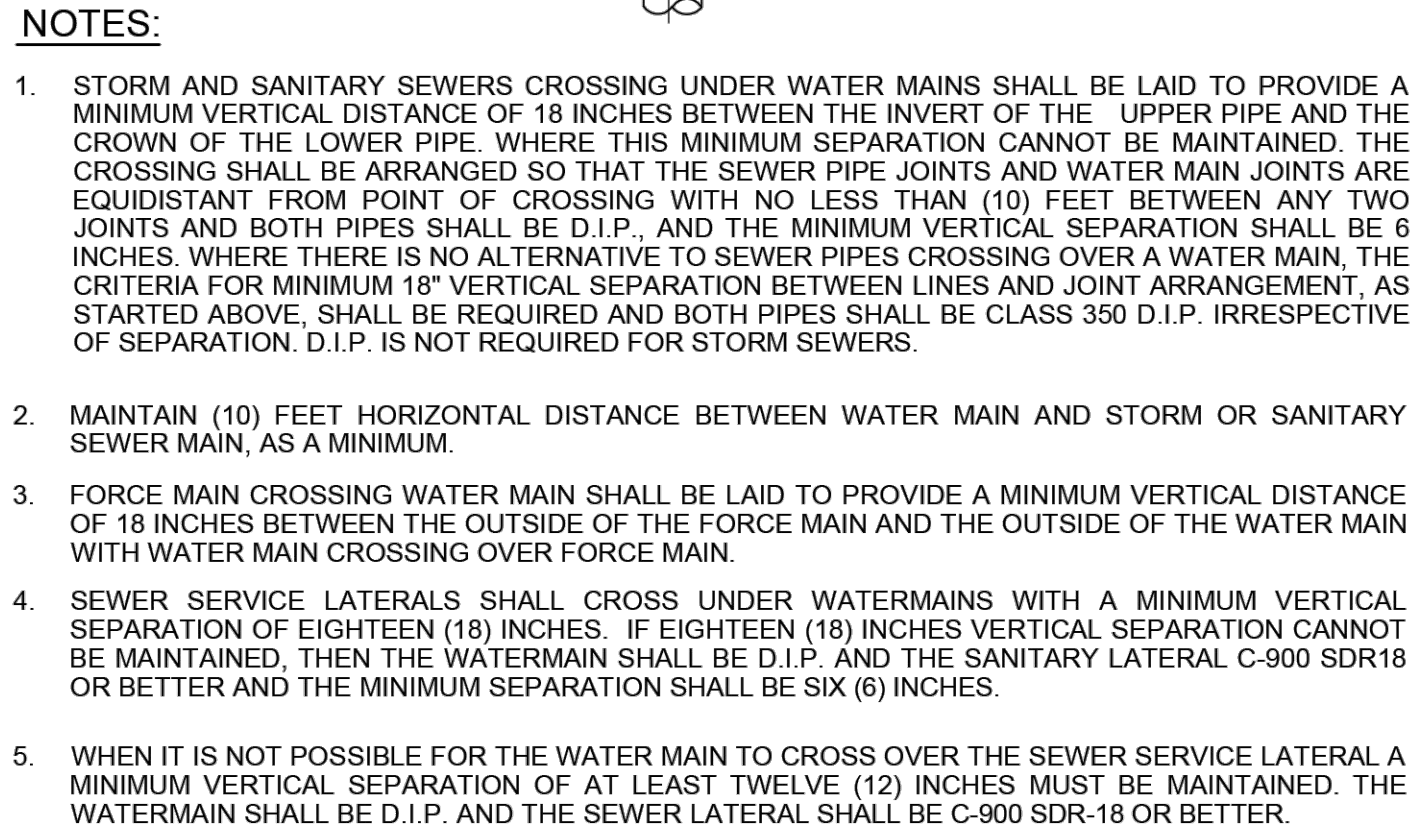
UTILITY DETAILS

SHEET NUMBER

U-2.0



 CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444	FILL & FLUSH DETAIL	DATE: 10-04-2024
		PW 1.0



 CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444	BOLLARD DETAIL	DATE: 10-04-2024
		PW 7.1

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ENTITLEMENT

PROJECT:

KIA Delray
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Delray Beach, FL

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West Palm Beach. FL

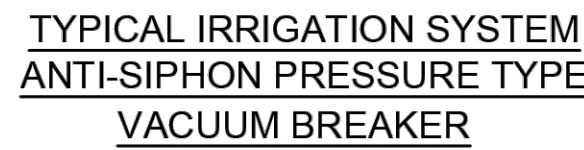
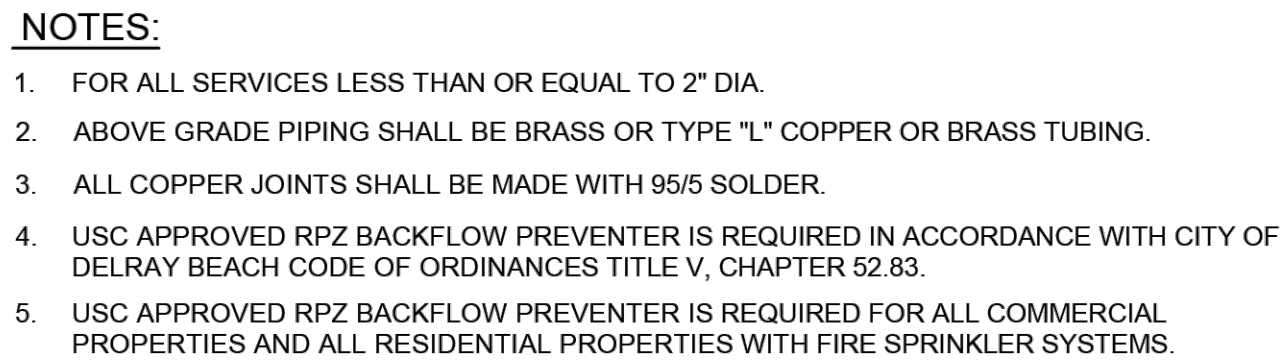
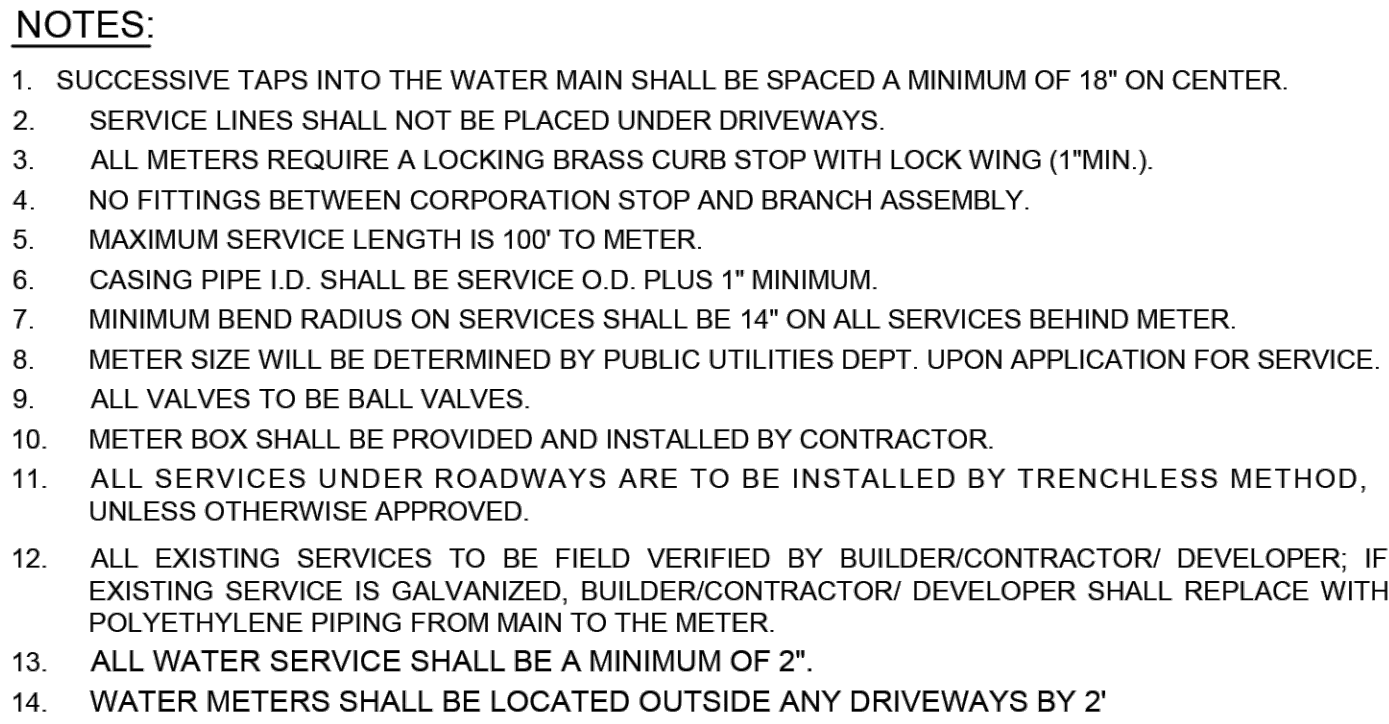
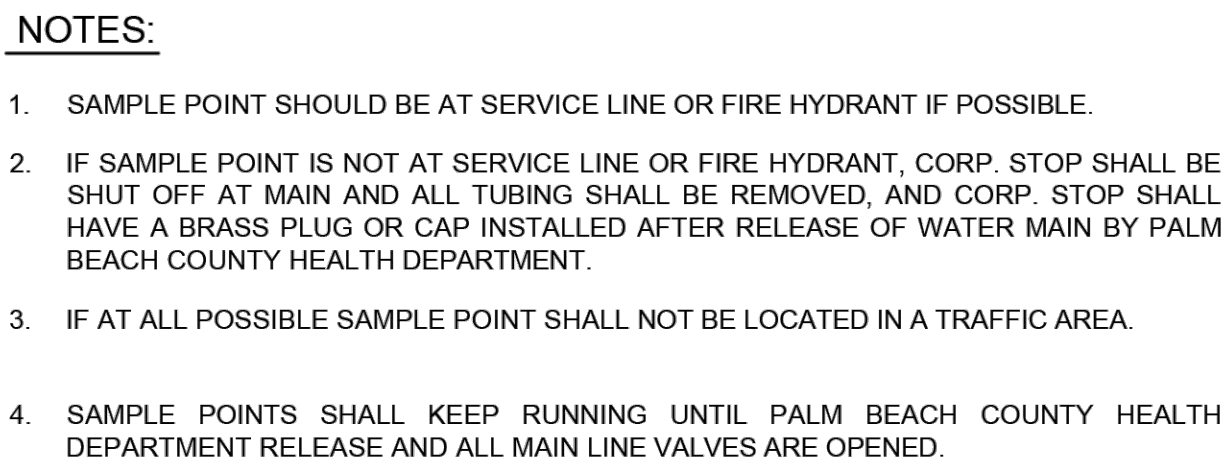
A circular professional engineer seal for Michael A. Troxell. The outer ring contains the text "MICHAEL A. TROXELL" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 50572" is in the center, and "STATE OF FLORIDA" is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

July 15, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27523

UTILITY DETAILS

SHEET NUMBER:

U-2.1



- NOTES:**
1. WATTS REGULATOR COMPANY OR EQUIVALENT.
 2. 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. ABOVE GRADE PIPING SHALL BE BRASS OR TYPE "L" COPPER.

 CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444	TYPICAL URBAN/REDEVELOPMENT AREA SERVICE CONNECTION	DATE: 10-04-2024 PW 12.0
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 CITY of DELRAY BEACH PUBLIC WORKS DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444	ANTI-SIPHON PRESSURE TYPE VACUUM BREAKER	DATE: 10-04-2024 PW 17.0
		

[illegible]

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ENTITLEMENT	
PROJECT No.:	F230085
DRAWN BY:	CS
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PROJECT:

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_____FOR_____

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SHEET TITLE:

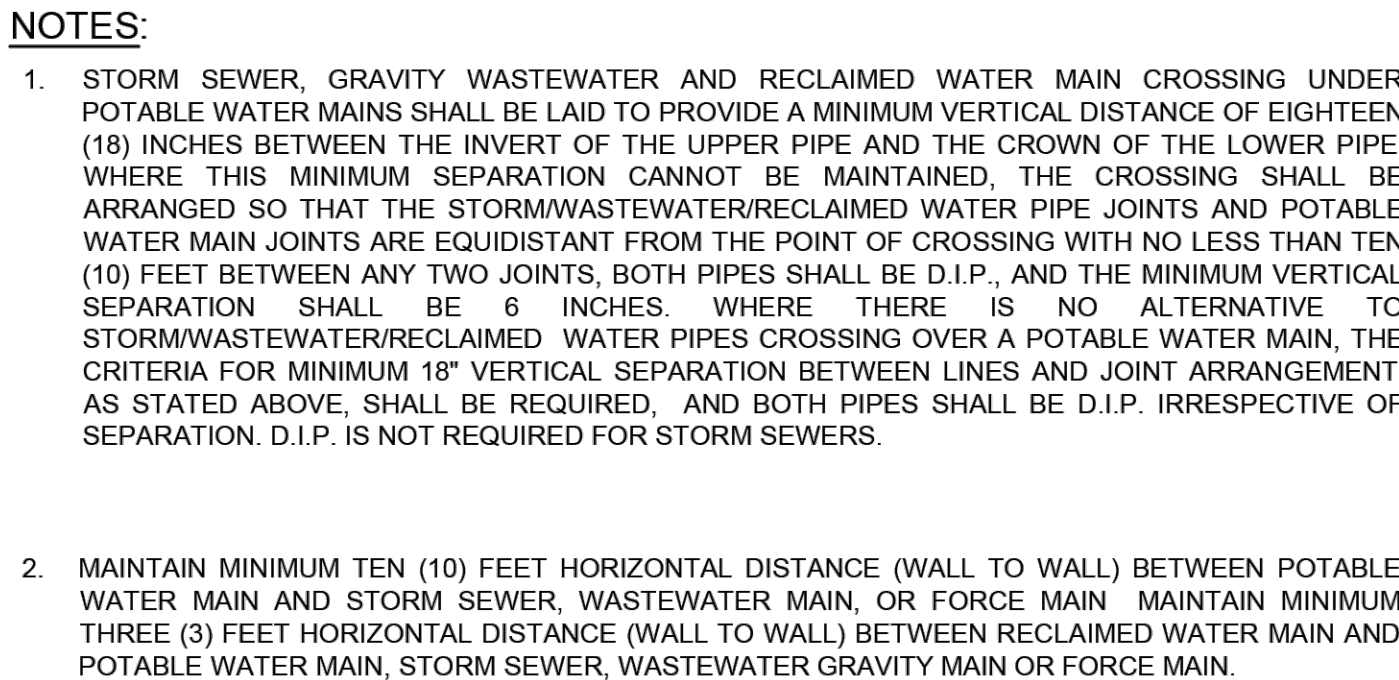
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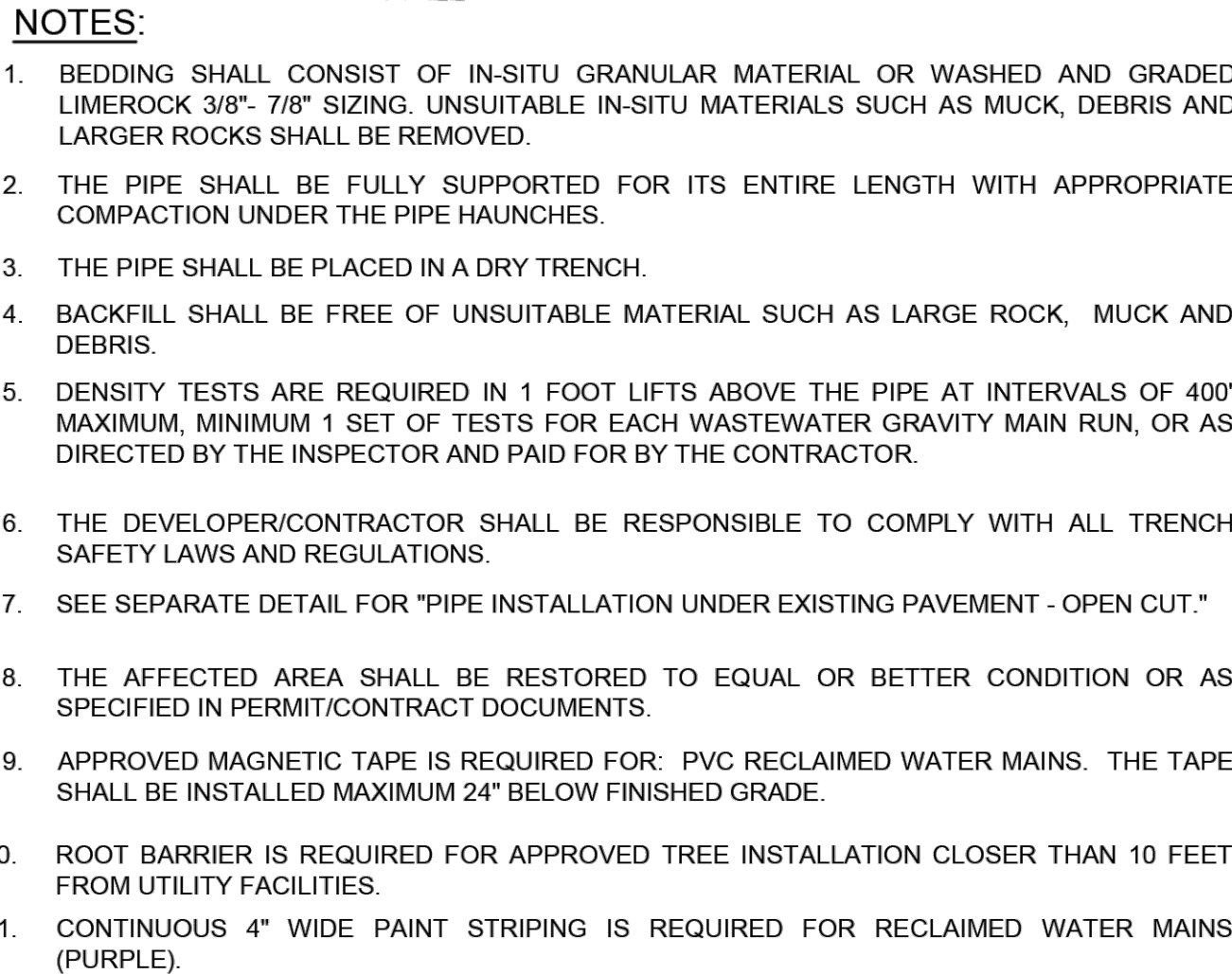
U-2.2

Printed on Tuesday, July 15, 2025, 2:24 PM by Mike Troxell

4. FORCE MAIN CROSSING POTABLE WATER MAIN OR RECLAIMED WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF EIGHTEEN (18) INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND OUTSIDE OF THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN WITH THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN CROSSING OVER THE FORCE MAIN.
5. DO NOT EXCEED 75% OF MANUFACTURERS RECOMMENDED MAXIMUM JOINT DEFLECTION FOR DUCTILE IRON PIPE. PVC PIPE CURVATURE MAY ONLY BE ACCOMPLISHED BY INSTALLING APPROPRIATE BENDS.
6. POTABLE WATER SERVICE LINES SHALL CROSS OVER WASTEWATER MAINS WITH MINIMUM 12" VERTICAL SEPARATION. WHERE THIS MINIMUM SEPARATION CAN NOT BE MAINTAINED, THE WATER SERVICE SHALL BE ENCASED IN A MINIMUM 10" LONG CASING CENTERED OVER THE CROSSING WITH MINIMUM 6" VERTICAL SEPARATION.



3. FORCE MAIN CROSSING POTABLE WATER MAIN OR RECLAIMED WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND OUTSIDE OF THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN WITH THE POTABLE WATER MAIN OR RECLAIMED WATER MAIN CROSSING OVER THE FORCE MAIN.
4. FITTINGS SHALL BE RESTRAINED WITH AN APPROVED RESTRAINT METHOD.
5. THE DEFLECTION TYPE CROSSING IS PREFERRED.
6. DO NOT EXCEED 75% OF MANUFACTURERS RECOMMENDED MAXIMUM JOINT DEFLECTION FOR DUCTILE IRON PIPE. PVC PIPE CURVATURE MAY ONLY BE ACCOMPLISHED BY INSTALLING APPROPRIATE BENDS.
7. ALL EXPOSED TIE STEEL SHALL BE COATED WITH COAL-TAR EPOXY
8. POTABLE WATER SERVICE LINES SHALL CROSS OVER WASTEWATER MAINS WITH MINIMUM 12" VERTICAL SEPARATION WHERE THIS MINIMUM SEPARATION CAN NOT BE MAINTAINED, THE WATER SERVICE SHALL BE ENCASED IN A MINIMUM 10' LONG CASING CENTERED OVER THE CROSSING WITH MINIMUM 6" VERTICAL SEPARATION.



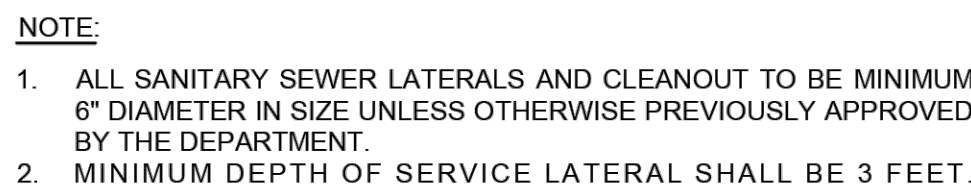

CITY of DELRAY BEACH
PUBLIC WORKS DEPARTMENT
 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

1. TO OBTAIN THE MAXIMUM QUANTITY OF WATER FOR PIPE WITH 20 FT. NOMINAL LENGTHS MULTIPLY THE QUANTITY CALCULATED FROM THE TABLE BY 0.9
2. THE MAXIMUM QUANTITY OF ADDED WATER FOR A PIPELINE IS CALCULATED BY MULTIPLYING THE QUANTITY PER HOUR AS OBTAINED FROM THE ABOVE TABLE, BY THE DURATION OF THE TEST IN HOURS AND BY THE TOTAL LENGTH OF THE LINE BEING TESTED DIVIDED BY 1,000. IF THE LINE UNDER TEST CONTAINS SECTIONS OF VARIOUS DIAMETERS, THE MAXIMUM QUANTITY ADDED WILL BE THE SUM OF THE COMPUTED QUANTITIES FOR EACH SIZE.
3. MAXIMUM TEST LENGTH = 2,500 FEET PER SECTION.
4. THIS STANDARD SHALL REFLECT ANY REVISION OF A.W.W.A. C-600. HOWEVER, THE MAXIMUM QUANTITY OF WATER ADDED SHALL NOT EXCEED 50% OF THE RECOMMENDED LIMIT PER APPLICABLE AWWA C-600 STANDARD.
5. STANDARD TEST PRESSURE = 150 P.S.I.
6. FORMULA BASIS:
$$L = \frac{(S) \times (D) \times (P)}{133,200} \times \frac{1}{2} \times \frac{1}{2}$$

L = MAXIMUM QUANTITY OF WATER TO BE ADDED (GALLONS PER HOUR)
S = LENGTH OF PIPE TESTED (FEET)
D = DIAMETER OF PIPE (INCHES)
P = TEST PRESSURE (P.S.I.)
7. PRESSURE TEST DURATION TO BE MINIMUM 2 HOURS.

1. SEE NOTES FOR TYPICAL TRENCH DETAIL FOR BACKFILL AND BEDDING MATERIAL SPECIFICATIONS.
2. BASE MATERIAL SHALL BE PLACED IN 6" LAYERS AND EACH LAYER COMPACTED TO 98% OF MAXIMUM DENSITY PER AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED (BUTT JOINTS ONLY).
4. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE. THE AFFECTED AREA SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.
5. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE REGARDING ANY ADDITIONAL SPECIFICATIONS AS REQUIRED BY THE PROPERTY OWNER, (FDOT, COUNTY, CITY, ETC.)
6. EXCAVatable "FLOWABLE FILL" WITH ULTIMATE COMPRESSIVE STRENGTH BETWEEN 90 AND 150 PSI MAY BE USED TO SUBSTITUTE FOR THE BACKFILL AN BASE MATERIALS.
7. PAVEMENT OVERLAY ON BOTH SIDES OF THE CUT MAY BE REQUIRED PER OWNER SPECIFICATION.
8. MAGNETIC TAPE IS REQUIRED FOR ALL PVP/CHD RECLAIMED WATER MAINS. (SEE TRENCHING DETAIL FOR INSTALLATION INSTRUCTIONS).
9. THE CONTRACTOR SHALL BE COMPLIANT WITH APPLICABLE TRENCH SAFETY REGULATIONS (OSHA, ETC.).

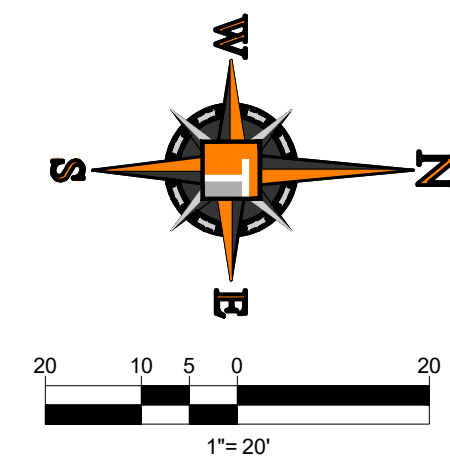
1. MANHOLES SHALL BE INSPECTED BY THE ENGINEER BEFORE PLACEMENT AND SURFACE TREATMENT.
2. ALL OPENINGS IN PRECAST MANHOLES SHALL BE CAST AT TIME OF MANUFACTURE. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE ENTRY ONLY.
3. ALL MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE.
4. (PVC) GRAVITY SEWER PIPE SHALL CONFORM TO ASTM D 3034, SDR 26, LATEST REVISIONS, WITH PUSH ON RUBBER GASKET JOINTS.
5. (DIP) GRAVITY SEWER PIPE SHALL BE CLASS 350, 401 EPOXY LINED OR AS OTHERWISE APPROVED BY UTILITIES DEPARTMENT.
6. NO SERVICE CONNECTIONS, WYES, SERVICES OR VALVES WILL BE PERMITTED IN RESIDENTIAL DRAINAGE.
7. MANHOLE FRAMES SHALL BE ATTACHED TO THE PRECAST STRUCTURE WITH A MINIMUM OF TWO 3/4" 316 STAINLESS STEEL BOLTS, NUTS AND WASHERS. FRAMES SHALL BE SEALED WITH A MINIMUM OF TWO 1/2" BEADS OF RAM-NEK CAULKING.
8. TRENCHES SHALL BE DE-WATERED TO ENABLE PIPE AND APPURTENANCES TO BE INSTALLED FREE OF WATER ON UNDISTURBED SOIL. IF UNSUITABLE SUBSURFACE MATERIAL IS ENCOUNTERED, EXCAVATE EXTRA 6" AND BACKFILL WITH 3/4" GRAVEL.
9. PVC SHALL BE LAID IN STRICT CONFORMANCE TO MANUFACTURER'S SPEC (JOHNS MANVILLE RING TYPE PVC PIPE INSTALLATION GUIDE OR EQUAL). BACKFILLING OF UTILITY TRENCHES WILL NOT BE ALLOWED UNTIL INSPECTED BY THE ENGINEER.
10. BACKFILL MATERIAL FOR SEWER MAIN AND LINES SHALL BE NON-COHESIVE, NON PLASTIC MATERIAL FREE OF ALL DEBRIS, LUMPS AND ORGANIC MATTER. BACKFILL MATERIAL PLACED WITHIN ONE (1) FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO (2) INCHES IN DIAMETER (1" FOR PVC PIPE) AND NO STONES LARGER THAN SIX (6) INCHES IN DIAMETER WILL BE PERMITTED IN ANY BACKFILL.
11. ALL EXCAVATION IN EXISTING RIGHT OF WAY SHALL BE BACKFILLED AND STABILIZED AT THE END OF EACH DAY TO PERMIT PEDESTRIAN AND VEHICULAR TRAFFIC PRIOR TO THE CONTRACTOR LEAVING THE SITE.
12. WHERE SEWER IS NOT WITHIN PUBLIC ROW, IT WILL BE LOCATED IN A 12' UTILITY EASEMENT. CITY MAINTENANCE RESPONSIBILITY IS MANHOLE TO MANHOLE ONLY.
13. UPON COMPLETION OF THE WORK AND PRIOR TO PLACEMENT OF ASPHALT A VISUAL INSPECTION BY THE ENGINEER SHALL BE MADE OF THE COMPLETED SYSTEM ALONG WITH A LOW PRESSURE AIR TEST. AFTER ROUGH BASE FINISHED AND PRIOR TO 1ST LIFT OF ASPHALT PLACED. AFTER ALL OTHER TRENCHES HAVE BEEN COMPLETED A CD VIDEO RECORDING SHALL BE MADE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, BEFORE THE LENGTHS ARE ACCEPTED FOR MAINTENANCE.
14. EACH LINE SEGMENT SHALL BE LAMPED TO DETERMINE PROPER ROUNDNESS.
15. COMPLETE "AS BUILT" INFORMATION RELATIVE TO MANHOLES, VALVES, SERVICES FITTINGS, PIPE LENGTHS, INVERTS AND SLOPES SHALL BE ACCURATELY RECORDED & SUBMITTED TO THE ENGINEER. CITY SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
16. AT THE END OF THE ONE (1) YEAR WARRANTY PERIOD THE DEVELOPER/CONTRACTOR WILL, T.V. INSPECT, AIR TEST EVERY JOINT, AND CHECK MANHOLE, JOINTS AND CONNECTIONS TO DETERMINE IF REPAIRS ARE NECESSARY BEFORE THE WARRANTY BOND IS RELEASED.
17. NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10- FEET FROM ANY EXISTING OR PROPOSED SANITARY SEWER FACILITY.
18. ANY PIPE INTRODUCED INTO AN EXISTING MANHOLE MUST HAVE CARBOLINE BITUMASTIC 300M OR APPROVED EQUAL APPLIED EXTERNALLY WITHIN A MINIMUM 2-FOOT RADIUS OF OPENING AND THE ENTIRE MANHOLE MUST HAVE SEWPER COAT OR APPROVED EQUAL APPLIED INTERNALLY.
19. ANY REHABILITATION TO AN EXISTING MANHOLE MUST BE INTERNALLY STRIPPED AND LINED WITH SEWPER COAT OR APPROVED EQUAL.




CITY of DELRAY BEACH
 PUBLIC WORKS DEPARTMENT
 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

SHEET NUMBER: _____

U-2.3



PROPOSED BUFFER
LANDSCAPE AREA
16,168 SF (0.371 AC)

PROPOSED
INTERIOR LANDSCAPE AREA
8,672 SF (0.199 AC)

PROPOSED
DRY RETENTION AREA
8,845 SF (0.203 AC)

SITE AREA BREAKDOWN:			
	SF	PROPOSED ACRES	%
IMPERVIOUS AREA			
BUILDINGS	42,494	0.976	31.8
IMPERVIOUS	57,561	1.321	41.0
TOTAL IMPERVIOUS	100,055	2.297	75.8
PERVIOUS AREA			
BUFFER LANDSCAPE	16,168	0.371	12.1
INTERIOR LANDSCAPE	8,672	0.199	6.5
RETENTION AREA	8,845	0.203	6.6
TOTAL PERVIOUS	33,685	0.773	25.2
TOTAL SITE AREA	133,740	3.070	100.0

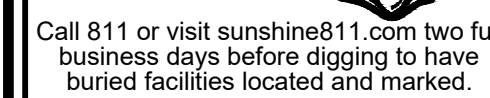
SITE AREA BREAKDOWN

	SF	PROPOSED ACRES	%
IMPERVIOUS AREA			
BUILDINGS	42,494	0.976	31.8
IMPERVIOUS	57,561	1.321	43.0
<u>TOTAL IMPERVIOUS</u>	<u>100,055</u>	<u>2.297</u>	<u>75.8</u>
PERVIOUS AREA			
BUFFER LANDSCAPE	16,168	0.371	12.1
UNDERLANDSCAPE	8,672	0.199	6.5
RETENTION AREA	8,845	0.203	6.6
<u>TOTAL PERVIOUS</u>	<u>33,685</u>	<u>0.773</u>	<u>25.2</u>
<u>TOTAL SITE AREA</u>	<u>133,740</u>	<u>3.070</u>	<u>100.0</u>

 1502 W. FLETCHER AVE.
UNIT NO. 101
TAMPA, FL 33612
P: (813) 379-4100

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

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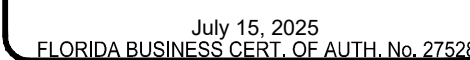
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PROJECT No.: F23008
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CHECKED BY: MA
DATE: 7/11/2
CAD I.D.: F230085 OPEN SPACE EXHIBI

PROJECT:

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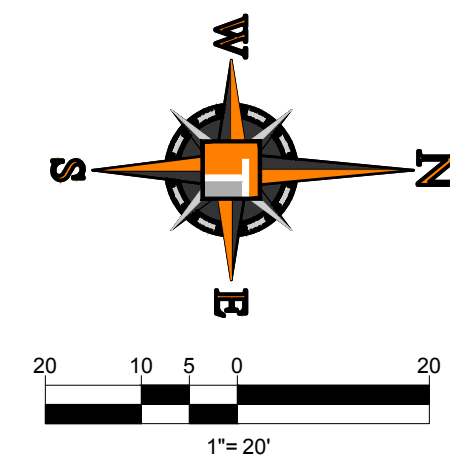
6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
FX: (954) 202-7070
www.ThomasEngineeringGroup.com



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SHEET NUMBER: _____

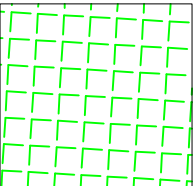
EX-1.0



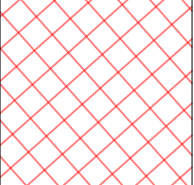
PARKING SPACE LEGEND

E = EMPLOYEES
I = INVENTORY
C = CUSTOMER
D = DISPLAY
S = SERVICE

HATCH LEGEND



CUSTOMER PARKING
53 TOTAL SURFACE
SPACES (49 STANDARD
SPACES & 4 ADA SPACES)



DISPLAY PARKING
31 TOTAL SURFACE SPACES

[illegible]

Sunshine 811

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

ENTITLEMENT

PROJECT No.:	F230085
DRAWN BY:	CS
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DATE:	7/11/25
CAD I.D.:	F230085 COLORED SURFACE

PROJECT:

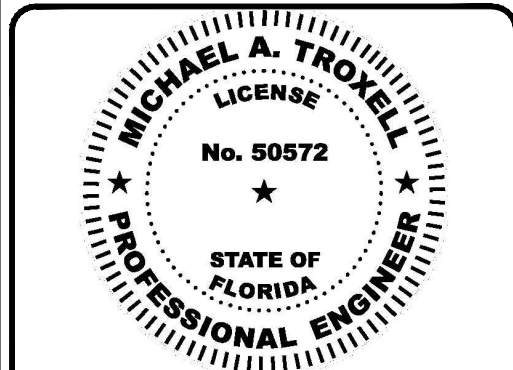
KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

- FOR

Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL



6300 NW 31ST AVENUE
FORT LAUDERDALE, FL 33309
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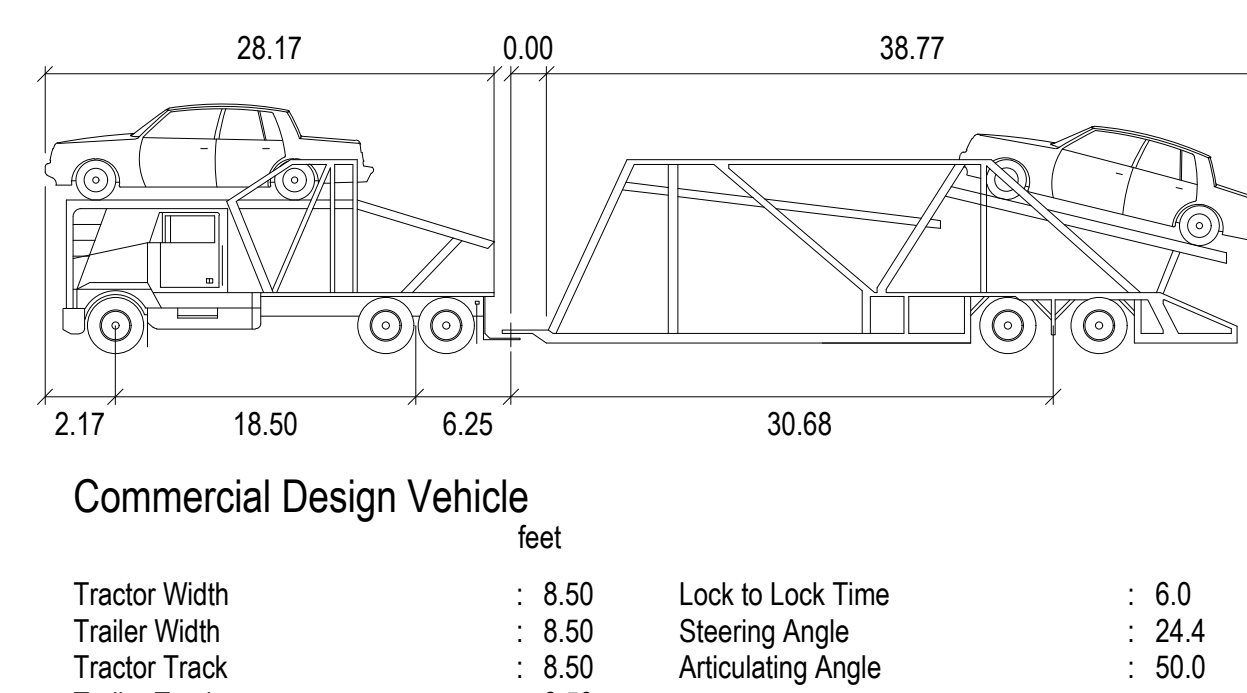
July 15, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

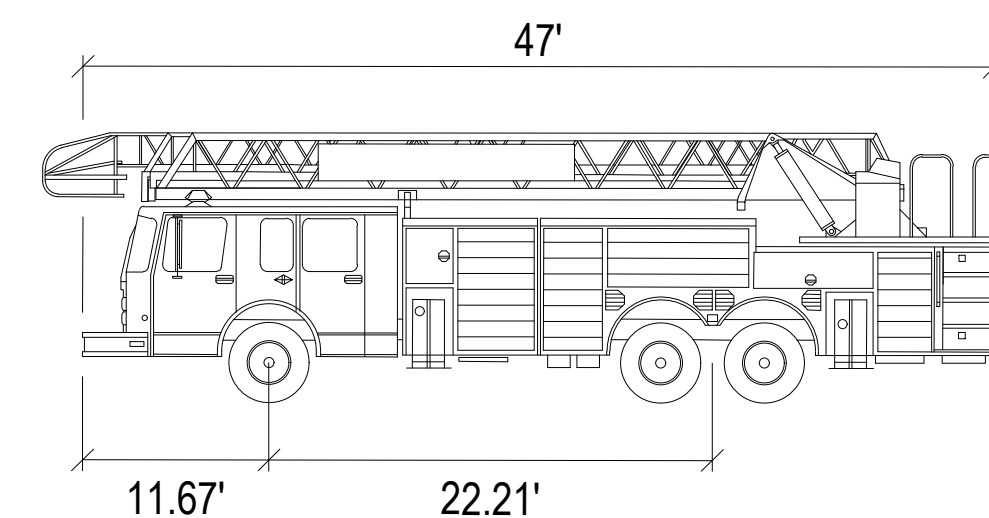
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**COLORED
SURFACE
PARKING EXHIBIT**

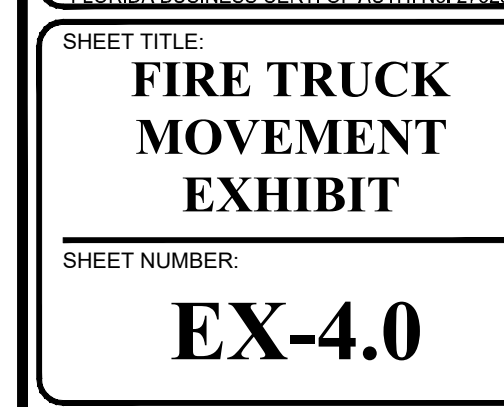
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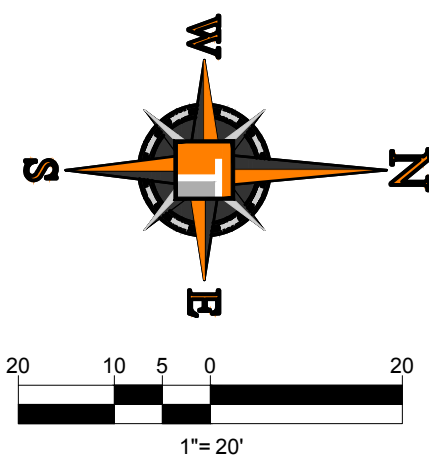
EX-2.0





	feet
Width	: 8.00
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 40.0





NOTES:

1) BASED ON THE SCOPE OF THE PROPOSED IMPROVEMENTS, IT IS ANTICIPATED THAT THERE WILL NOT BE ANY ROAD OR LANE CLOSURES DURING CONSTRUCTION WHICH WOULD EXCEED 14 DAYS.

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Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

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ENTITLEMENT	
PROJECT No.:	F230085
DRAWN BY:	CS
CHECKED BY:	MAT
DATE:	7/11/25
CAD I.D.:	F230085 STAGING PLAN

PROJECT:

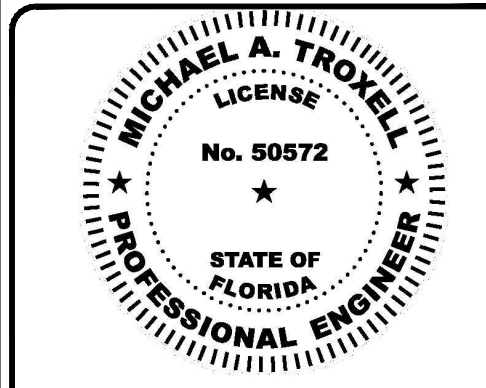
KIA Delray
2255 S. Federal Hwy
Delray Beach, FL

_____ FOR _____

Myers Auto Group DK LLC
915 S Dixie Hwy
West Palm Beach, FL

THOMAS
ENGINEERING GROUP

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



September 12, 2025
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:

**CONSTRUCTION
STAGING PLAN**

SHEET NUMBER:

EX-5.0