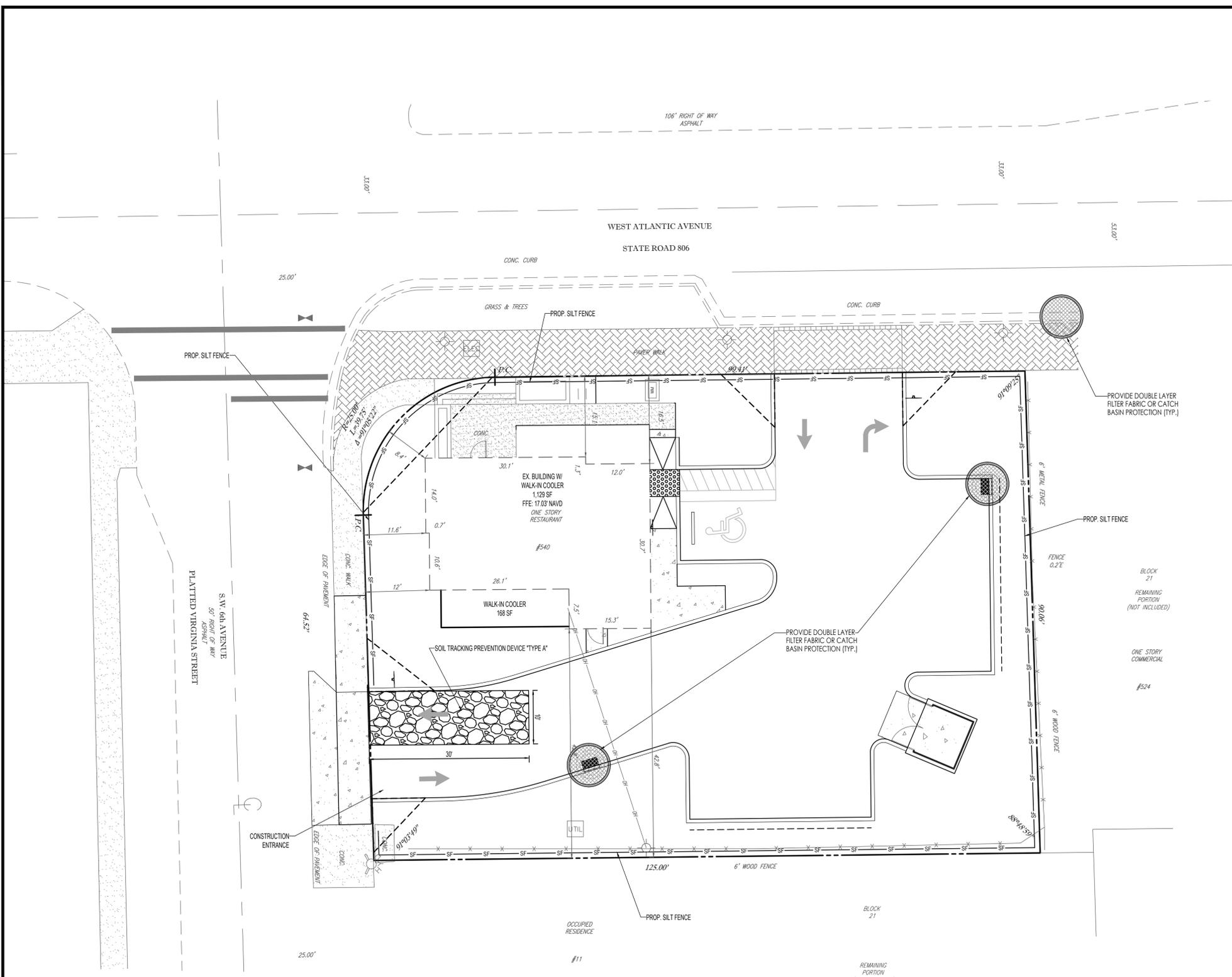


MAXWELL T. KAPLAN, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 83366. THIS ITEM HAS BEEN REVIEWED AND APPROVED FOR THE CITY OF DELRAY BEACH. ANY CHANGES TO THIS PLAN MUST BE MADE IN WRITING AND NOT CONSIDERED CORRECT AND SEALED. THE SIGNATURE MUST BE MADE ON AN ELECTRONIC DEVICE.



ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
CONVERSION FROM NAVD TO NGVD IS (+) 1.50',
I.E. 11.50 NAVD = 13.00 NGVD.

IT IS THE RESPONSIBILITY OF THE OWNER'S ENGINEER TO PROVIDE SITE OBSERVATION AND INSPECTIONS IN ORDER FOR THE OWNER'S ENGINEER TO EXECUTE THE "ENGINEER'S CERTIFICATION OF COMPLETION" EXACTLY AS STATED ON PAGE C-14 FROM THE CITY OF DELRAY BEACH CURRENT MINIMUM CONSTRUCTION STANDARDS AND SPECIFICATIONS.

Printed on Friday, February 06, 2026, 3:14 PM by Max Kogon

THOMAS
ENGINEERING GROUP
CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS

1502 W. FLETCHER AVE.
SUITE 100
TAMPA, FL 33612
P: (813) 379-4100
F: (813) 379-4100

REVISIONS			
REV.	DATE	COMMENT	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!

PROJECT No.: F250004
DRAWN BY: JFV
CHECKED BY: ROT
DATE: 08/20/2025
CAD I.D.: F250004 EROS

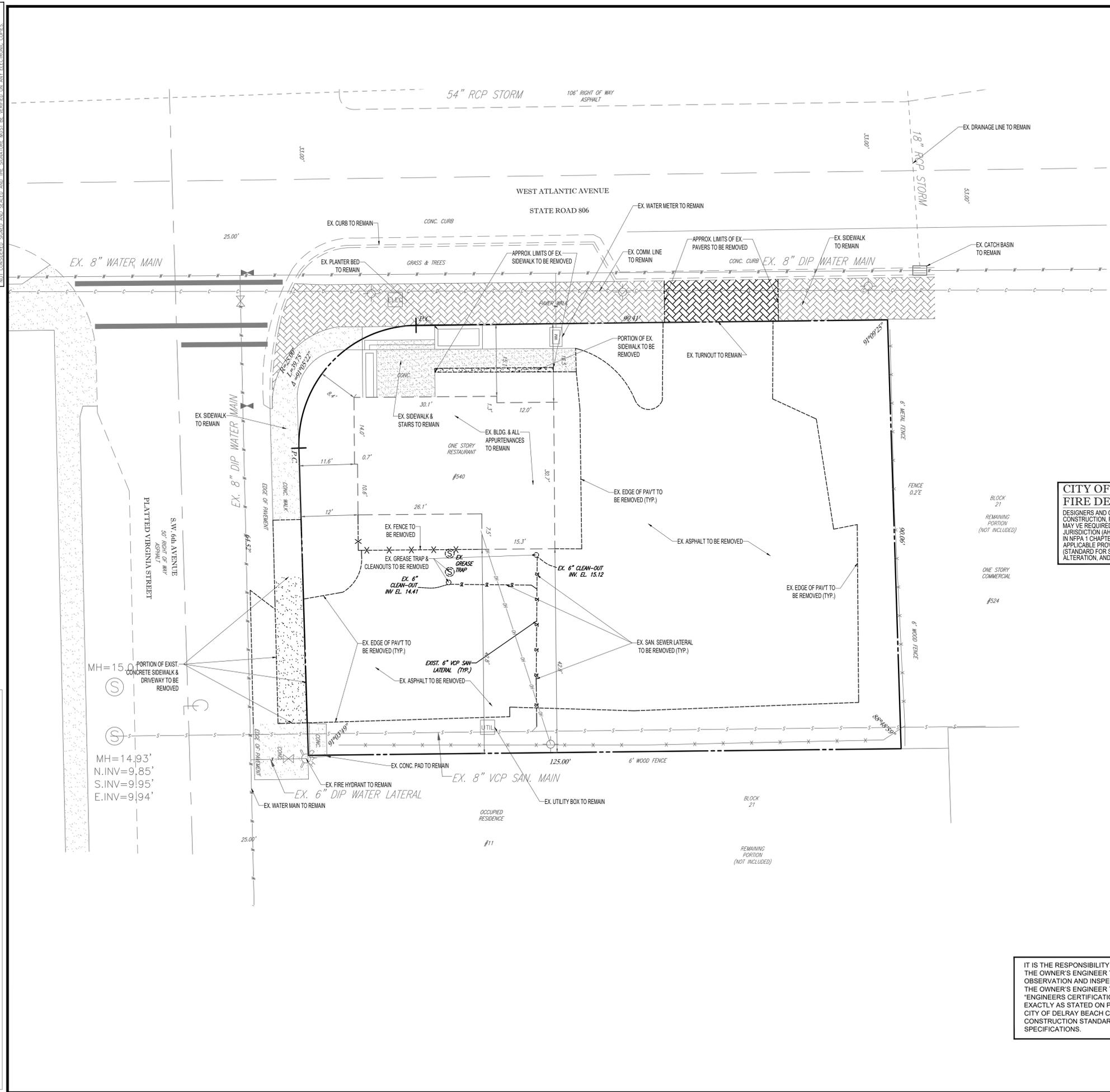
PROJECT:
DUNKIN DONUTS
540 W ATLANTIC AVENUE
FOR
DELRAY DONUTS
DELRAY BEACH FL

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

MAXWELL T. KAPLAN
LICENSE
No. 83366
STATE OF FLORIDA
PROFESSIONAL ENGINEER
February 6, 2026
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:
EROSION CONTROL PLAN
SHEET NUMBER:
C-03

MAXWELL T. KAPLAN, PROFESSIONAL ENGINEER, LICENSE NO. 83366. THIS ITEM HAS BEEN REVIEWED AND APPROVED FOR THE CITY OF DELRAY BEACH. ANY CHANGES OR MODIFICATIONS TO THIS PLAN MUST BE APPROVED BY THE CITY ENGINEER. ANY CHANGES OR MODIFICATIONS TO THIS PLAN MUST BE APPROVED BY THE CITY ENGINEER. ANY CHANGES OR MODIFICATIONS TO THIS PLAN MUST BE APPROVED BY THE CITY ENGINEER.



LEGEND



**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 16.2. THIS PLAN SHALL ADDRESS ALL APPLICABLE PROVISIONS AS DESCRIBED IN NFPA 241 (STANDARD FOR SAFEGUARDING, CONSTRUCTION, ALTERATION, AND DEMOLITION).

IT IS THE RESPONSIBILITY OF THE OWNER'S ENGINEER TO PROVIDE SITE OBSERVATION AND INSPECTIONS IN ORDER FOR THE OWNER'S ENGINEER TO EXECUTE THE ENGINEER'S CERTIFICATION OF COMPLETION EXACTLY AS STATED ON PAGE C-14 FROM THE CITY OF DELRAY BEACH CURRENT MINIMUM CONSTRUCTION STANDARDS AND SPECIFICATIONS.

DEMOLITION NOTES:

1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
BOB BUGGEE, INC.
P.O. BOX 3887
BOYNTON BEACH, FL 33426
TITLED: BOUNDARY SURVEY, 540 W. ATLANTIC AVENUE
DATED: 04/27/2024
2. THOMAS ENGINEERING GROUP, LLC IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.
3. 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 PRIOR TO INITIATION OF SITE ACTIVITY.
4. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR:
 - A. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL LOCATION CERTIFICATION PRIOR TO ANY EXCAVATION OR DEMOLITION. THE NUMBER IS 1-800-432-4770.
 - B. ENSURING COPIES OF ALL PERMITS AND APPROVALS MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW.
 - C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
 - D. 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.
 - E. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
 - F. 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.
 - G. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.
 - H. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.
11. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
12. 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.
13. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PREVENT THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
14. 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.
15. 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

1502 W. FLETCHER AVE.
SUITE 100
TAMPA, FL 33612
P: (813) 379-4100
P: (813) 263-7603

REVISIONS			
REV.	DATE	COMMENT	BY

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DRAWN BY:	JVF
CHECKED BY:	ROT
DATE:	08/20/2025
CAD I.D.:	F250004 DEMO

PROJECT:
DUNKIN DONUTS
540 W ATLANTIC AVENUE
FOR
DELRAY DONUTS
DELRAY BEACH FL

THOMAS ENGINEERING GROUP

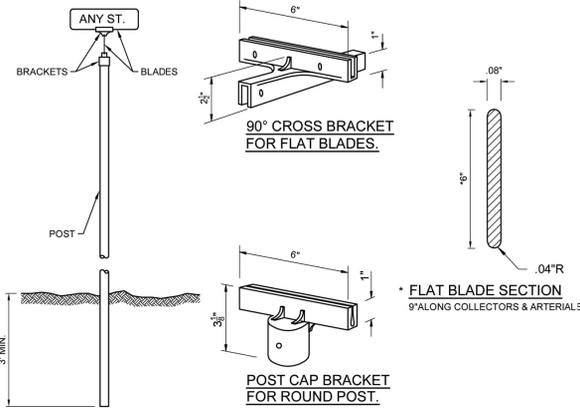
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LICENSE
No. 83366
STATE OF FLORIDA
PROFESSIONAL ENGINEER
February 6, 2026
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:
DEMOLITION PLAN
SHEET NUMBER:
C-04

Printed on Friday, February 06, 2026, 4:02 PM by Max Kaplan

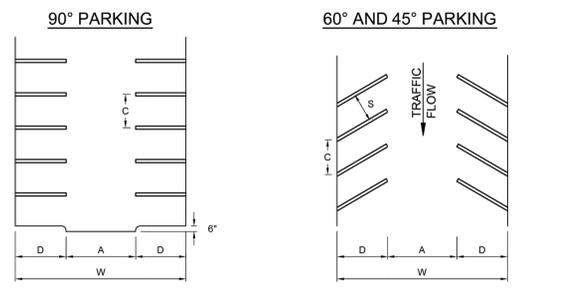
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GENERAL SPECIFICATIONS	
BLADE	ALCOA NO. 80654 8063-T6 ALLOY, ETCHED, DEGREASED, AND DEBURRED WITH NO. 1200 ALDOLINE FINISH WITH HIGH INTENSITY GREEN BACKGROUND. DIMENSIONS: 6" OR 9" IN HEIGHT, AND 24", 30", OR 36" IN LENGTH.
LETTERS	NAME 4" SERIES "B" HIGH INTENSITY (SILVER) SUFFIX 2" SERIES "B" HIGH INTENSITY (SILVER). ALL LETTERS FOR SIGNS ALONG COLLECTOR OR ARTERIAL ROADWAYS SHALL BE 7" SERIES "B" WITH 4" SERIES "B" SUFFIX ON 9" HIGH BLADES.
POST	STEEL FLANGED GALVANIZED CHANNEL, PER A.S.T.M. A123 WITHOUT ANCHOR PLATES.
BRACKETS	DIE CAST HIGH STRENGTH ALUMINUM ALLOY, MIN. TENSILE STRENGTH 45,000 P.S.I., DEGREASED, TUMBLED, AND POLISHED SIDES OF ALL SLOTS SHALL BE SOLID METAL WITH TWO HOLES PER SLOT (SAME SIDE) DRILLED TO 7/32" AND TAPPED TO 1/4" TO RECEIVE STAINLESS STEEL ALLEN HEAD SET SCREWS. SKIRT OF POST CAP BRACKET TO BE DRILLED AND TAPPED FOR 3 SCREWS OF WHICH NO TWO IS TO BE LESS THAN 90° OR MORE THAN 135° APART. (METRO HUSKEY NO. 6 OR EQUAL.)

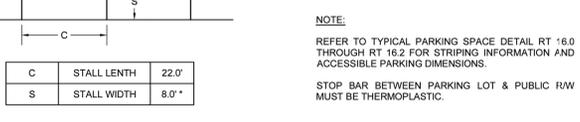
CITY of DELRAY BEACH
PUBLIC WORKS DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

STREET SIGN DETAIL (SHEET 1 of 2)
DATE: 10-04-2024
RT 6.0



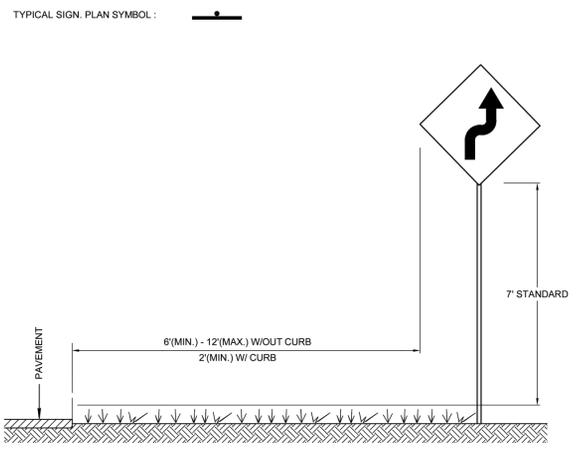
	STANDARD	60°	45°
A AISLE *	17.0'	15.0'	
C STALL LENGTH	10.5'	12.5'	
S STALL WIDTH	9.0'	9.0'	
D STALL DEPTH	20.0'	19.0'	
W MODULE WIDTH	57.0'	53.0'	
ACCESSIBLE SPACES			
C	14.0'	17.0'	
D	21.5'	21.0'	
S	12.0'	12.0'	

* COMPACT CAR SPACES - 8.0'
ACCESSIBLE SPACES - 12.0' SEE RT 16 THROUGH RT 16.2



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

PARKING LOTS
DATE: 10-04-2024
RT 15.0

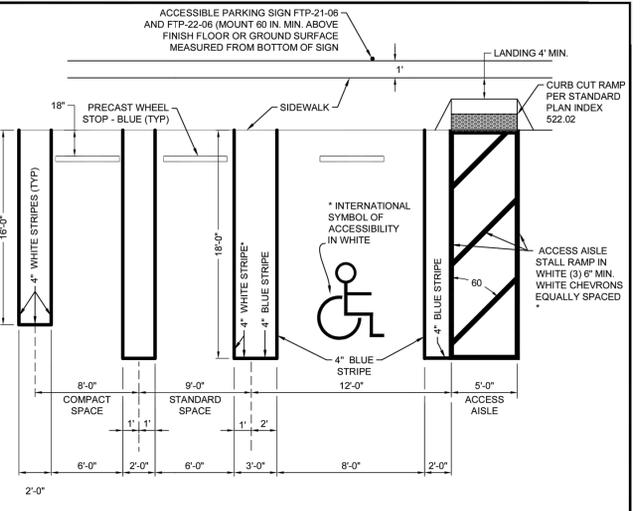


NOTES:

- ALL SIGNS SHALL BE SPECIFIED USING THE M.U.T.C.D. DESIGNATION.
- ALL SIGNS SHALL BE FACED WITH HIGH INTENSITY SHEETING MATERIAL OR BETTER.
- SIGNS SHALL BE MANUFACTURED WITH 0.080" ALUMINUM BLANK.
- POSTS SHALL BE PER DETAIL RT 6.0.
- USE SHALL FOLLOW THE M.U.T.C.D. AND F.D.O.T. STANDARD DESIGN SPECIFICATIONS.
- ANY DEVIATION FROM THIS TYPICAL SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
- REFLECTIVE POSTS MAY BE USED IF M.U.T.C.D. STANDARD IS FOLLOWED.

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

STREET SIGN DETAIL (SHEET 2 of 2)
DATE: 10-04-2024
RT 7.0

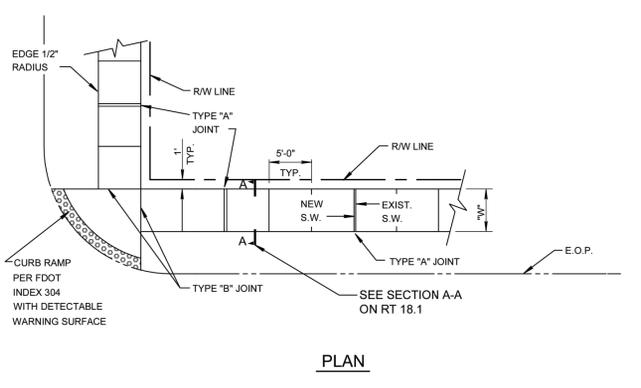
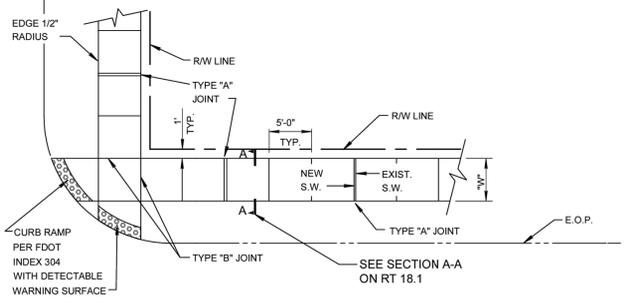


PARKING STALL DIMENSIONS:
STANDARD 9'x18'
COMPACT 8'x16'
ACCESSIBLE 12'x18' PLUS 5' ACCESS AISLE

* NOTES:
1. ON LIGHT COLORED SURFACE I.E. CONCRETE ALL ACCESSIBLE MARKINGS SHALL BE BLUE AND STANDARD PARKING STRIPING SHALL BE 3" WHITE WITH 1" BLACK BORDER.
2. ALL STRIPING WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 6 INCHES.
3. ALL MEASUREMENTS ARE FROM CENTER LINE.
4. ALL COMPACT SPACES MUST HAVE "COMPACT" STENCILED WITH BLACK PAINT ON WHEEL STOP.
5. BLUE STRIPE & INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WALKWAY ON CONCRETE.
6. 24" STOP BAR BETWEEN ALL PARKING LOTS AND PUBLIC RW SHALL BE THERMOPLASTIC AND PER FDOT SPECIFICATIONS AND STOP SIGN R1-1 THERMOPLASTIC AND PER FDOT SPECIFICATIONS AND STOP SIGN R1-1.
7. CHANGES IN LEVEL ARE NOT PERMITTED IN ACCESSIBLE PARKING STALLS AND ACCESS AISLES SERVING THE STALLS. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

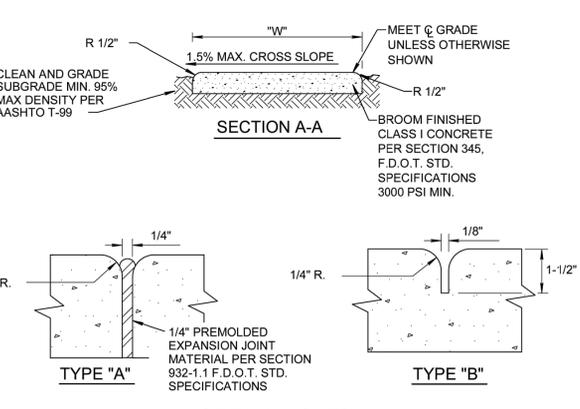
CITY of DELRAY BEACH
PUBLIC WORKS DEPARTMENT
434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444

TYPICAL PARKING SPACES (1 OF 3)
DATE: 10-04-2024
RT 16.0



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

SIDEWALK CONSTRUCTION DETAIL
DATE: 10-04-2024
RT 13.0



NOTE:

- ALL SIDEWALKS SHALL BE CONSTRUCTED THRU DRIVEWAYS.
- ALL SIDEWALKS SHALL INCLUDE ADA COMPLIANT RAMPS @ INTERSECTIONS.
- ALL SIDEWALKS SHALL INCLUDE CROSS SLOPE AND RUNNING SLOPE IN ACCORDANCE WITH ADA REQUIREMENTS.
- CURB RAMP DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL WIDTH OF THE RAMP AND 24" DEEP.
- SIDEWALK SHALL BE 9" THICK FOR 2' AT THE CONNECTION TO ROADWAYS WITH A 6" TRANSITION TO 6" FOR THE REMAINDER OF THE REQUIRED 10'.

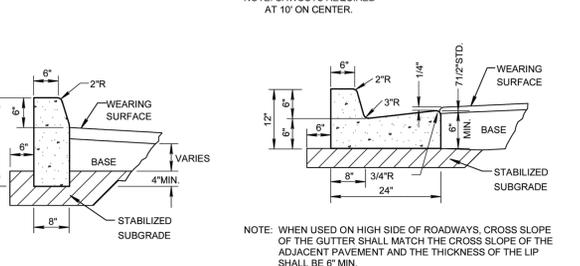
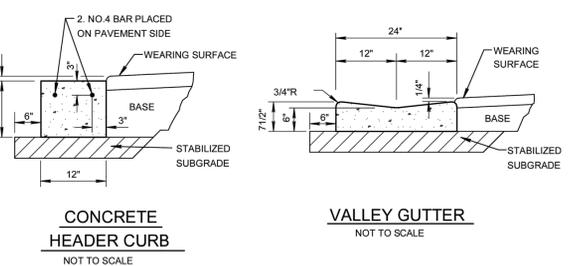
TABLE OF SIDEWALK THICKNESS - "T"	
GENERAL AREAS	4"
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6"

TABLE OF SIDEWALK WIDTHS - "W"	
SINGLE-FAMILY AREAS	5'
MULTI-FAMILY AREAS	5'
OTHER AREAS AS SPECIFIED BY THE CITY.	

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES JUNCTION OF EXISTING & NEW SIDEWALKS & EVERY 30'
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT.
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

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

SIDEWALK CONSTRUCTION
DATE: 10-04-2024
RT 18.1

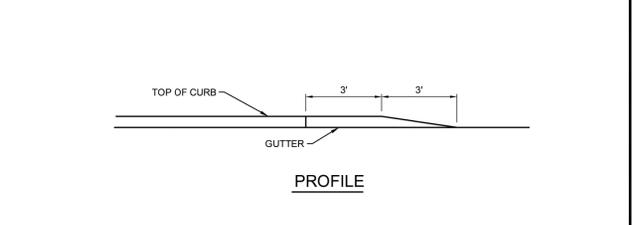
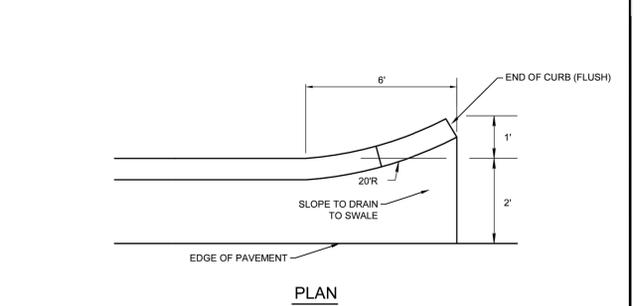


NOTE:

- ROADWAY SUBGRADE SHALL IN ALL CASES EXTEND BELOW CURBING.
- SAWCUTS AT 10' ON CENTER SHALL BE MADE WITHIN 24 HOURS OF CONCRETE PLACEMENT.

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

CURB AND GUTTER SECTIONS
DATE: 10-04-2024
RT 19.0



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

FLARED END FOR CURB AND GUTTER
DATE: 10-04-2024
RT 20.0

THOMAS ENGINEERING GROUP
ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
1502 W. FLETCHER AVE.
SUITE 100
JUPITER, FL 33458
P: (561) 203-7503
F: (561) 203-7503
125 W. INDIANTOWN RD.
SUITE 100
JUPITER, FL 33458
P: (561) 203-7503
F: (561) 203-7503

REVISIONS			
REV.	DATE	COMMENT	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!

PROJECT No.: F250004
DRAWN BY: JFV
CHECKED BY: ROT
DATE: 08/20/2025
CAD I.D.: F250004 SITE DET.

PROJECT:
DUNKIN DONUTS
540 W ATLANTIC AVENUE

FOR
DELRAY DONUTS
DELRAY BEACH FL

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

MAXWELL T. KAPLAN
LICENSE
No. 83366
STATE OF FLORIDA
PROFESSIONAL ENGINEER
February 6, 2026
FLORIDA BUSINESS CERT. OF AUTH. No. 27528

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
C-05

Printed on Friday, February 06, 2026, 3:14 PM by Max Kogon

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DRAINAGE STRUCTURE TABLE

THOMAS ENGINEERING GROUP
 CIVIL ENGINEERS - PROJECT MANAGERS - LAND PLANNING - LANDSCAPE ARCHITECTS
 125 W. INDIANTOWN RD.
 TAMPA, FL 33612
 P: (813) 379-4100
 P: (813) 379-7603
 WWW.THOMASENGINEERINGGROUP.COM

REV.	DATE	REVISIONS	BY:

Sunshine 811
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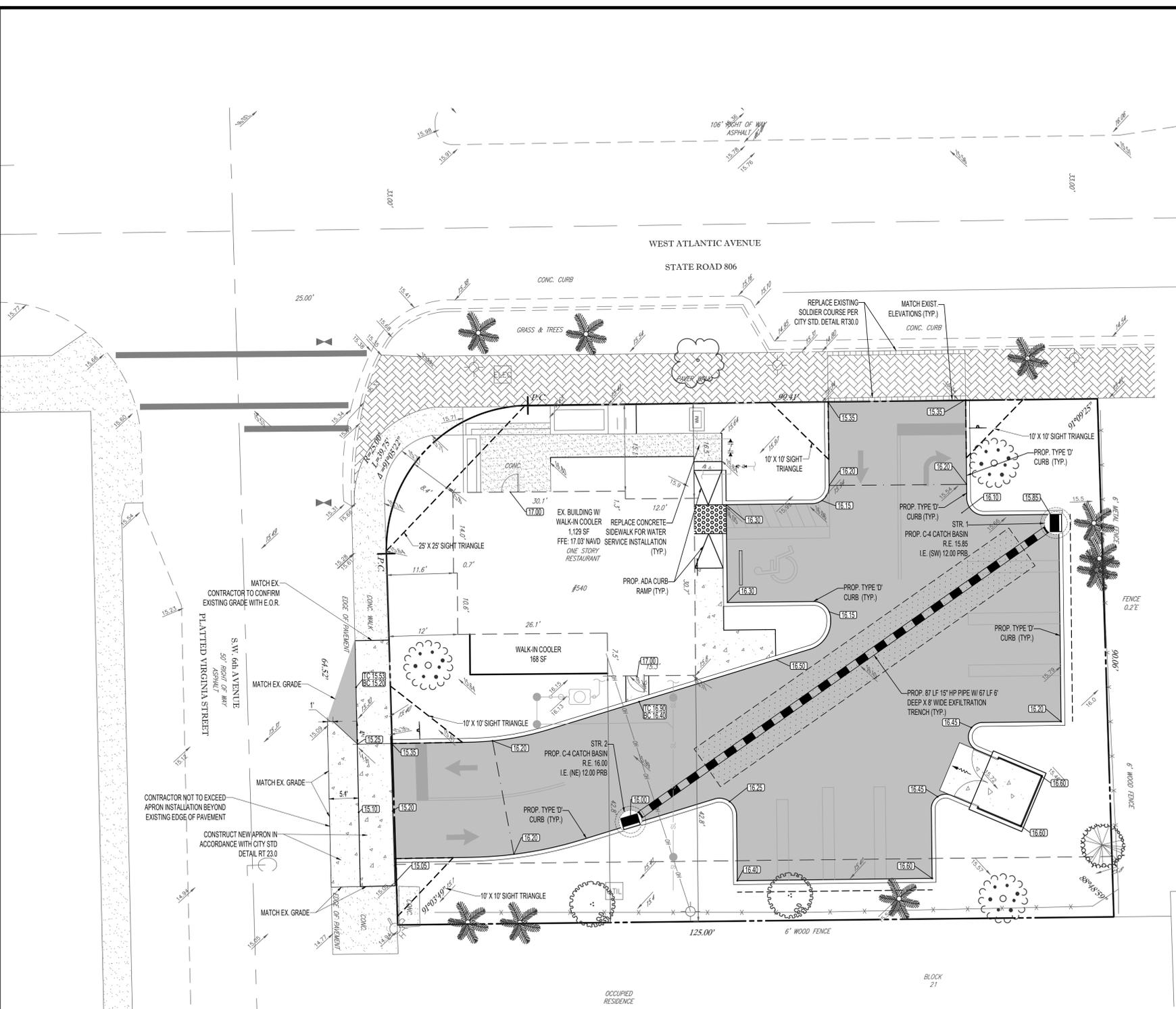
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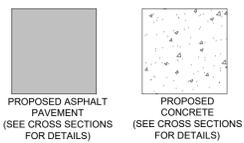
SHEET TITLE:
PAVING, GRADING & DRAINAGE PLAN
 SHEET NUMBER:
C-07



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.

HATCH LEGEND



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

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

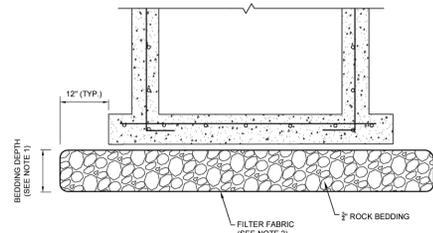
CITY OF DELRAY BEACH FIRE DEPARTMENT NOTE:
 DESIGNERS AND CONTRACTORS WORKING ON NEW CONSTRUCTION, RENOVATION OR DEMOLITION PROJECTS MAY BE REQUIRED TO SUBMIT TO THE AUTHORITY HAVING JURISDICTION (AHL) A FIRE PROTECTION PLAN AS OUTLINED IN NFPA 1 CHAPTER 16.1.2. THIS PLAN SHALL ADDRESS ALL APPLICABLE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

CITY OF DELRAY BEACH ENGINEERING DEPT. NOTES:

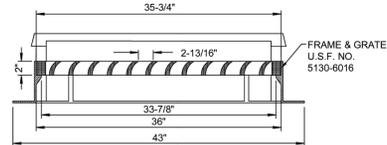
- ANY DAMAGE TO ANY ROADWAY PAVEMENT LIKE UTILITY CUTS OR EDGE REPAIR SHALL BE MILLED AND RESURFACED FOR 5' EACH WAY PAST THE LIMIT OF THE DAMAGE PER CITY OF DELRAY BEACH STANDARD DETAIL GU 1.0
- ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS: LD 1.0 & LD 2.0.

IT IS THE RESPONSIBILITY OF THE OWNER'S ENGINEER TO PROVIDE SITE OBSERVATION AND INSPECTIONS IN ORDER FOR THE OWNER'S ENGINEER TO EXECUTE THE "ENGINEER'S CERTIFICATION OF COMPLETION" EXACTLY AS STATED ON PAGE C-14 FROM THE CITY OF DELRAY BEACH CURRENT MINIMUM CONSTRUCTION STANDARDS AND SPECIFICATIONS.

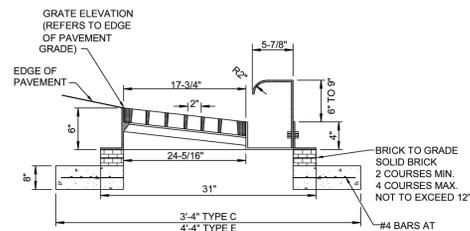
Printed on Friday, February 06, 2026, 3:15 PM by Max Kogon



- NOTES:**
- BEDDING DEPTH SHALL BE 10" UNDER DRAINAGE STRUCTURES AND 18" UNDER SANITARY STRUCTURES.
 - ROCK SHALL BE WRAPPED IN FILTER FABRIC THAT MEETS THE REQUIREMENTS OF F.D.O.T. SPECIFICATION SECTION 985.

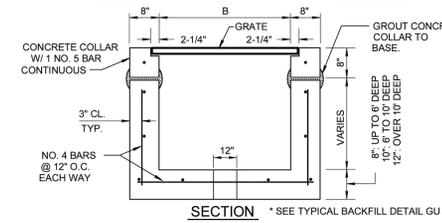
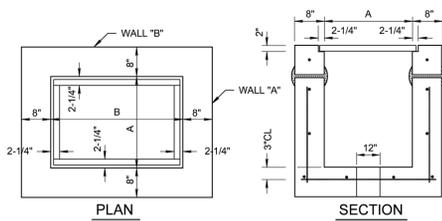


TYPE "F" FRAME & GRATE
NOT TO SCALE



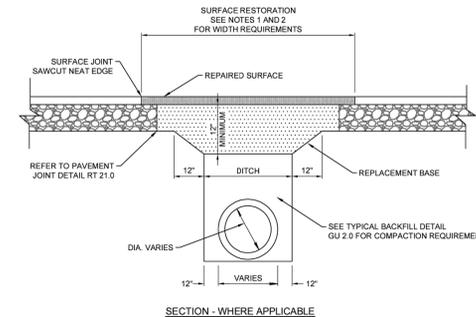
TYPE "F" FRAME & GRATE PROFILE
NOT TO SCALE

- U.S.F. NO. 6016 GRATE MAY BE INSTALLED WITH VANE SLOTS FOR LEFT OR RIGHT FLOW.



INLET TYPE	DIMENSIONS		GRATE TYPE	MAX. PIPE SIZE	
	A	B		WALL A	WALL B
C'	2'0"	3'1"	U.S. FOUNDRY NO. 6212	15"	24"
E'	3'0"	4'6"	U.S. FOUNDRY NO. 6290	24"	36"

- NOTES:**
- INLET TO BE PRECAST WITH CLASS 'A' 4000 P.S.I. CONCRETE.
 - ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".
 - 12" DIAMETER WEEP HOLE REQUIRED ON ALL STRUCTURES WHICH HAVE A BOTTOM ELEVATION ABOVE THE WATER TABLE EXCEPT IN WELLFIELDS.
 - 18" SUMP REQUIRED IN ALL DRAINAGE STRUCTURES.
 - SEE BEDDING DETAIL D 3.0
 - ALL STRUCTURES TO BE 4 SIDED ANGLE SHOULDERS.



- NOTES:**
- FOR COMMERCIAL PROJECTS THAT DAMAGE THE ROADWAY SURFACE THE ROADWAY SHALL BE MILLED AND RESURFACED 50' IN EACH DIRECTION FROM THE DAMAGED AREA. MILLING AND RESURFACING SHALL BE FOR THE FULL LANE WIDTH OF ANY DAMAGED LANE.
 - FOR RESIDENTIAL PROJECTS THAT DAMAGE THE ROADWAY SURFACE THE ROADWAY SHALL BE MILLED AND RESURFACED FOR THE WIDTH OF THE RESIDENTIAL PROPERTY (MIN. 50' REPAIR LENGTH). MILLING AND RESURFACING SHALL BE FOR THE FULL LANE WIDTH OF ANY DAMAGED LANE.
 - MILLING DEPTH SHALL BE 1" AND RESURFACING SHALL BE 1" TYPE S-II ASPHALTIC CONCRETE.
 - BASE MATERIAL SHALL BE PLACED IN TWO LIFTS AND EACH LIFT COMPACTED TO 98% MAXIMUM DENSITY PER AASHTO T-180. MAX. LIFT THICKNESS SHALL BE 6".
 - 24" EXCAVATABLE FLOWABLE FILL MIN. 100 P.S.I. MAY BE USED IN LIEU OF 12" BASE.
 - ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWS.
 - ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED IN ACCORDANCE WITH CITY STANDARDS.
 - SURFACE MATERIAL SHALL BE S-II ASPHALTIC CONCRETE (FOR TRENCH REPAIR, THICKNESS SHOULD BE TWICE THE THICKNESS OF THE ADJACENT EXISTING ASPHALT).
 - ANY PAVEMENT CUTS SHALL BE COLD PATCHED AT THE END OF EACH WORKING DAY TO FACILITATE UNHINDERED TRAFFIC FLOW.

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

STANDARD BEDDING DETAIL

DATE: 10/24/2024
D 4.0

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: 10/24/2024
D6.0

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

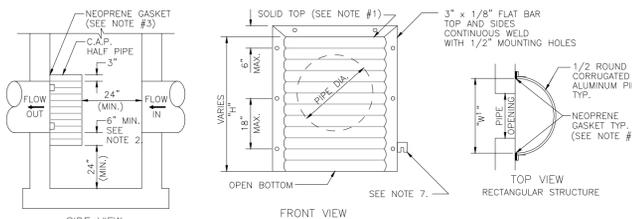
TYPE C & E INLET DETAIL

DATE: 10/24/2024
D9.0

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

PAVEMENT REPAIR DETAIL

DATE: 10/24/2024
GU 1.0



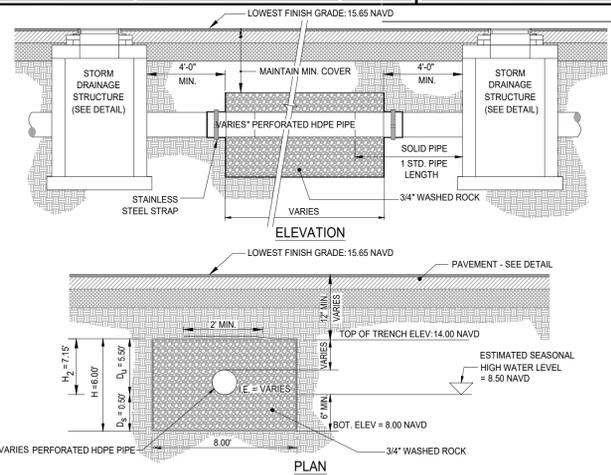
NOTES:

- ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
- THE BOTTOM ELEVATION OF THE POLLUTION RETARDANT BAFFLE MUST BE AT LEAST 2" BELOW CONTROL ELEVATION.
- NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
- POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
- ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A CATCH BASIN (SEE EXFILTRATION TRENCH DETAIL).
- FIBERGLASS BAFFLES ARE NOT PERMITTED.
- MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

PIPE DIA. (IN)	W ¹ (IN)	W ² (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	16
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

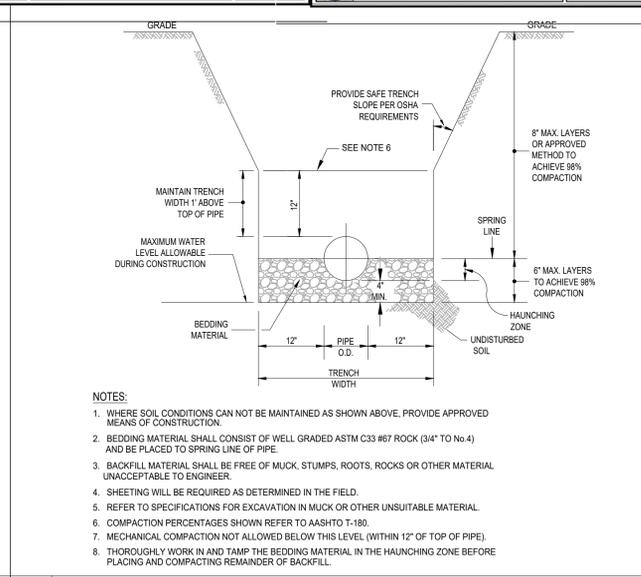
1. RECTANGULAR STRUCTURE
2. ROUND STRUCTURE

1 POLLUTION RETARDENT BAFFLE DETAIL
SCALE: NONE



- NOTES:**
- PIPES SHALL CONNECT TO ADDITIONAL CATCH BASINS AS REQUIRED.
 - BALLAST ROCK SHALL CONSIST OF 3/4" WASHED ROCK AND BE FROM FRESH WATER WASHED FREE OF DELETERIOUS MATTER.
 - TRENCH TO BE LINED WITH AMOCO PROPEX 4448 OR APPROVED EQUIVALENT TYPE FILTER FABRIC. OVERLAP TRENCH LINING MATERIAL A MINIMUM OF 2' AT TOP OF TRENCH. CLOSE ENDS AND STRAP AROUND PIPE.
 - IN AREAS OVER TRENCH WHERE THE FULL ROADWAY SECTION CANNOT BE CONSTRUCTED, THE AREA ABOVE THE TRENCH SHALL CONSIST ENTIRELY OF LIMESTONE BASE (LBR100).

2 EXFILTRATION TRENCH
SCALE: NONE



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

3 TRENCH DETAIL
SCALE: NONE

