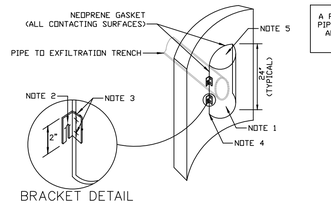


BRACKET DETAIL

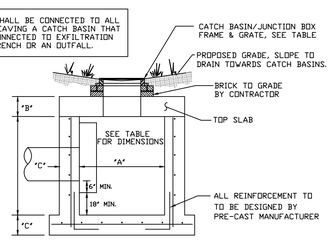
NOTES

1. SECTION OF A.C.M.P. (NEXT SIZE LARGER THAN DRAINAGE PIPE) CUT IN HALF
2. 1/2" STAINLESS STEEL ANCHOR BOLTS & NUTS
3. WELD OR 2-1/4" THRU BOLTS
4. BOTTOM OF BAFFLE TO BE MOUNTED 6" BELOW INVERT OF PIPE
5. ALUMINUM PLATE TO BE WELDED TO TOP OF PRB

POLLUTION RETARDANT BAFFLE

N.T.S.

A PRB SHALL BE CONNECTED TO ALL PIPES LEAVING A CATCH BASIN THAT ARE CONNECTED TO EXFILTRATION TRENCH OR AN OUTFALL.



SECTION

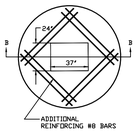
JUNCTION BOX/CATCH BASIN

N.T.S.

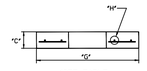
DIMENSIONS SHOWN ARE FOR USE AS A GENERAL GUIDELINE AND BY NO MEANS CONSTITUTE AN ENGINEERED DESIGN. PRE-CAST MANUFACTURER TO DESIGN AND FABRICATE STRUCTURES MEETING THE INDUSTRY STANDARD DESIGN LOADS, THE STRUCTURAL CAPACITY IS THE SOLE RESPONSIBILITY OF THE MANUFACTURER

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURES	TYPE	"A"	"B"	"C"	FRAME (U..SF. # OR EQUAL)	GRATE (U.S.F. # OR EQUAL)
CB# _	"C"	24"X37"	8"	8"	4155	6209 CAST IRON
CB# _	"J"	4'-0" Ø	8"	8"	4155	6209 CAST IRON
CB# _	"J"	5'-0" Ø	8"	8"	4155	6209 CAST IRON
CB# _	"J"	6'-0" Ø	8"	8"	4155	6209 CAST IRON
CI# _	"C"	24"X37"	8"	8"	5130	6168 CAST IRON
CI# _	"J"	4'-0" Ø	8"	8"	5130	6168 CAST IRON
CI# _	"J"	5'-0" Ø	8"	8"	5130	6168 CAST IRON
CI# _	"J"	6'-0" Ø	8"	8"	5130	6168 CAST IRON
JB# _	"J"	4'-0" Ø	8"	8"	420	TYPE "C"
CB# _	"J"	4'-0" Ø	8"	8"	5113	6194 CAST IRON
CB# _	"C"	24"X37"	8"	8"		STEEL GRATE
CB# _	"D"	37"X49"	8"	8"		6626 STEEL GRATE
YD# _						



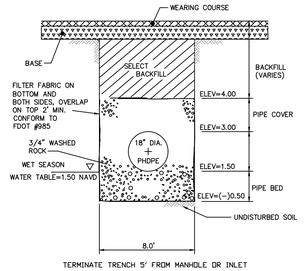
PLAN



SECTION B-B

CATCH BASIN TOP SLAB

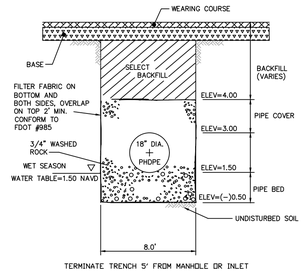
N.T.S.



TERMINATE TRENCH 5' FROM MANHOLE OR INLET

EXFILTRATION TRENCH DETAIL

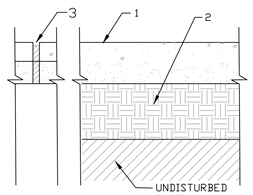
N.T.S.



TERMINATE TRENCH 5' FROM MANHOLE OR INLET

EXFILTRATION TRENCH DETAIL (OFF-SITE)

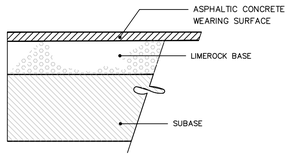
N.T.S.



1. 8' - 4000 PSI CONCRETE
2. 12' STABILIZED SUBBASE TO MIN LBR OF 40 & COMPACTED TO 98% MAX. DRY DENSITY (AASHTO T-180)
3. SAWCUT 1/4' EXPANSION JOINT 1-1/4' DEEP @ 15' O.C. MAX.

CONCRETE PAVEMENT DETAIL

N.T.S.



VEHICULAR USE SURFACE : 2' ASPHALTIC CONCRETE WEARING SURFACE, F.D.O.T. TYPE SP-9.5 APPLIED IN 2 - 1' LIFTS. TACK COAT TO BE USED BETWEEN PAVING LIFTS. SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF F.D.O.T. STANDARD SPECIFICATIONS SECTIONS 330 & 331.

PRIME & TACK COAT : PRIME & TACK COAT FOR THE LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF F.D.O.T. STANDARD SPECIFICATIONS SECTION 300. APPLICATION RATES - PRIME COAT-0.25 GALLONS PER SQ. YD. TACK COAT-0.08 GALLONS PER SQ. YD.

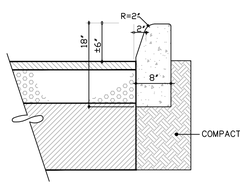
BASE : 8' LIMEROCK BASE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180).LIMEROCK BASE TO CONFORM WITH THE REQ. OF F.D.O.T. SPECIFICATION SECTIONS 200 & 911. MINIMUM L.B.R.=100

SUBBASE : 12' SUBBASE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180). MINIMUM L.B.R. = 40

NOTE: GROUND ADJACENT TO PAVEMENT HAVING RUNOFF SHALL BE GRADED TWO INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.

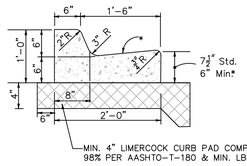
ON-SITE PAVEMENT DETAIL

N.T.S.



TYPE "D" CURB DETAIL

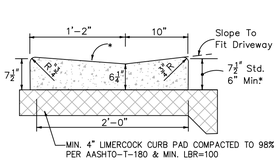
N.T.S.



* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6' UNLESS OTHERWISE SHOWN ON PLNAS

TYPE "F" CURB AND GUTTER DETAIL

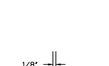
N.T.S.



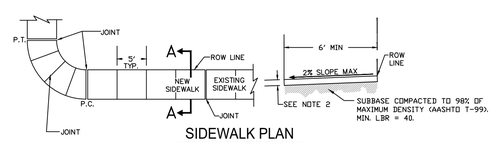
* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6' UNLESS OTHERWISE SHOWN ON PLNAS

DROP CURB DETAIL

N.T.S.



JOINT DETAIL



SIDEWALK PLAN

CONCRETE PAVEMENT & SIDEWALK JOINTS

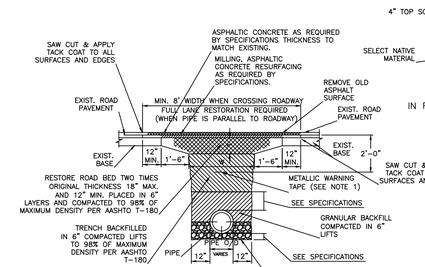
TABLE OF SIDEWALK JOINTS	
	LOCATION
	P.C. AND P.T. CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS.
	5'-0" CENTER TO CENTER ON 5-0" SIDEWALKS. 15' CENTER TO CENTER MAX. FOR CONCRETE PAVEMENT UNLESS OTHERWISE INDICATED.

NOTE: CONCRETE TO BE CLASS-1 3000 P.S.I.

1. FOR 5'-0" WIDTH SIDEWALKS, PROVIDE 1/8" CONTRACTION JOINTS AT 5' C.C. WITH A MINIMUM DEPTH 1 1/2", EDGED WITH A 1/4" RADIUS DEEP WITHIN THE FOLLOWING TIME PERIODS: JOINTS AT NOT MORE THAN 30' INTERVALS - WITHIN 12 HOURS AFTER FINISHING. REMAINING JOINTS WITHIN 96 HOURS AFTER FINISHING.
2. PROVIDE 6" THICK CONCRETE FOR ALL SIDEWALKS LOCATED IN RIGHT OF WAY OR SERVING THE PUBLIC AND 4" THICK CONCRETE FOR ALL SIDEWALKS LOCATED ON-SITE.
3. NO REINFORCEMENTS SHALL BE USED IN THE SIDEWALKS.
4. CONCRETE TO BE 3,000 PSI IN 28 DAYS.
5. CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE OR OTHER APPROVED METHOD.
6. CONCRETE PAVEMENT FOUNDATION SHALL BE COMPACTED TO A FIRM, EVEN SURFACE, TRUE TO GRADE AND CROSS SECTION, AND SHALL BE MOIST AT THE TIME CONCRETE IS PLACED
7. ALL CONSTRUCTION SHALL CONFORM TO LOCAL CONSTRUCTION CODES AND STANDARDS
8. JOINTS FOR SIDEWALKS OVER A 5'-0" WIDTH SHALL BE COORDINATED WITH ENGINEER PRIOR TO POUR.

CONCRETE PAVEMENT & SIDEWALK DETAIL

N.T.S.



RIGHT OF WAY
TRENCH REPAIR, MILLING, AND OVERLAY

NOTES:

1. METALLIC WARNING TAPES SHALL BE INSTALLED 24" BELOW FINISH GRADE ABOVE MAIN. (SEE SPECIFICATION 2320 SECTION 3.6 FOR MARKING TYPE)
2. UNLESS OTHERWISE SPECIFIED SELECTED MATERIAL SHALL BE FREE OF STONES LARGER THAN 3/8" DIA.
3. REPLACE ALL LANE MARKINGS AND REFLECTIVE MARKERS.

T=6" PARKING
T=8" RESIDENTIAL STREETS
T=10" MAJOR STREETS (4 LANE)
T=12" MAJOR STREETS (6 LANE)

2T=18" MAX. 12" MIN.

TYPICAL TRENCH AND PAVEMENT RESTORATION FOR TRAVERSE CROSSING

N.T.S.

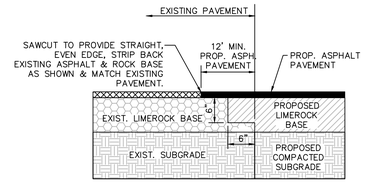
SURFACE RESTORATION
IN R/W ABOVE THE PIPE ZONE

SPACING OF REQUIRED ROADWAY, PARKING AREA AND UTILITY TRENCH TESTS								
	F.B.V.		DENSITY		L.B.R.		THICKNESS	
	MAX. SPACING		MAX. SPACING		MAX. SPACING		MAX. SPACING	
	LIN. FEET	SQ. FEET	LIN. FEET	SQ. FEET	LIN. FEET	SQ. FEET	LIN. FEET	SQ. FEET
COMPACTED OR STABILIZED SUBGRADE	200	10,000	200	10,000	200	10,000	300	10,000
LIMEROCK BASE	---	---	300	10,000	---	---	300	10,000
ASPHALT	---	---	---	---	---	---	PER INSP.	PER INSP.
UTILITY TRENCH	---	---	200	---	---	---	---	---

ALL TESTING SHALL BE TAKEN IN A STAGGED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED TO THE CENTER, TO A POINT 12" INSIDE THE RIGHT EDGE.

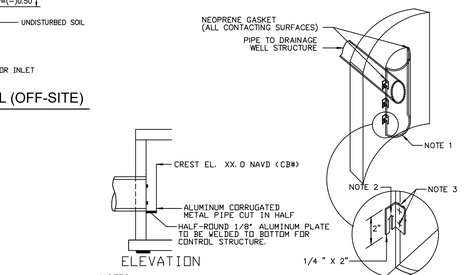
COMPACTION TEST SCHEDULE

N.T.S.



F.D.O.T. PAVEMENT CONNECTION DETAIL

N.T.S.



ELEVATION

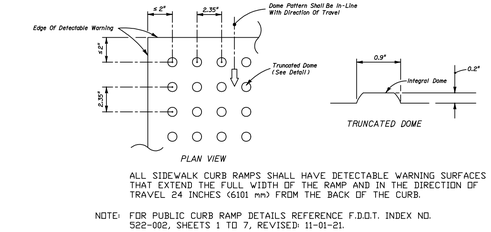
BRACKET DETAIL

NOTES

1. SECTION OF A.C.M.P. CUT IN HALF.
2. 1/2" STAINLESS STEEL ANCHOR BOLTS & NUTS
3. WELD OR 2-1/4" THRU BOLTS.
4. BOTTOM OF BAFFLE TO BE MOUNTED AT INVERT OF PIPE.

INVERTED BAFFLE DETAIL

N.T.S.



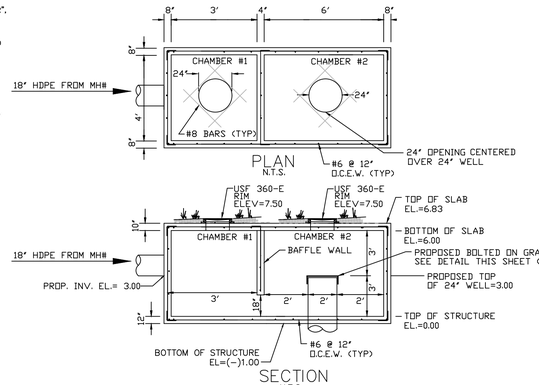
PLAN VIEW

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 THE CURB.

NOTE: FOR PUBLIC CURB RAMP DETAILS REFERENCE F.D.O.T. INDEX NO. 522-002, SHEETS 1 TO 7, REVISED: 11-01-21.

CURB RAMP DETECTABLE WARNING DETAIL

N.T.S.

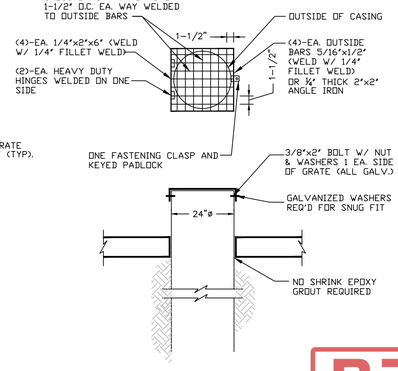


NOTES

1. TOP SLAB REINFORCEMENT TO BE #7 BARS @ 6" O.C.E.W. WITH ADDITIONAL #8 BARS AROUND OPENINGS.
2. PLACEMENT OF RING AND COVER ACCESSING EACH CHAMBER SHALL BE AS SHOWN ABOVE. EACH CHAMBER SHALL HAVE U.S.F. RING AND COVER #360-E "DRAINAGE WELL" AND SHALL BE WATER TIGHT ON THE WELL SIDE AND NON-WATER TIGHT ON THE NON-WELL SIDE.
3. TOP SLAB OPENINGS SHALL BE AS REQUIRED BASED UPON INSTALLATION OF RING AND COVER.

DRAINAGE WELL # DETAIL

N.T.S.



DRAINAGE WELL GRATE DETAIL

N.T.S.

PZB
PZ24-12000027
12/17/2025

Blake M Kidwell

Digitally signed by Blake M Kidwell
DN: c=US, o=Unaffiliated, dnQualifier=A01410C0000018E75F903E100026EDE, cn=Blake M Kidwell
Date: 2025.08.19 17:28:36 -04'00'

This document has been PZ24-12000027 signed and sealed by Blake M. Kidwell on 08/19/2025. 11/19/2025

Printed copies of this document are not considered signed and sealed.

PZB
PZ24-12000027
11/19/2025

FLYNN ENGINEERING
241 COMMERCIAL BLVD., LAUDERDALE-BY-THE-SEA, FL 33308
PHONE (954) 522-1004 | WWW.FLYNNENGINEERING.COM
EB# 6578

Sheet Title
PAVING, GRADING, AND DRAINAGE DETAILS

Job Title
1600 S FEDERAL HIGHWAY
(MIXED-USE PROJECT)
1600 S FEDERAL HIGHWAY
POMPANO BEACH, FLORIDA 33062

Revisions

1		
2		
3		
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Phase:
PERMIT
DOCUMENTS

BLAKE M. KIDWELL LICENSE No 91488 STATE OF FLORIDA PROFESSIONAL ENGINEER

Scale: N.T.S.	Date 03/07/25
Job No. 24-1832.00	Plot Date 08/19/25
Drawn by BMK	Sheet No. C4.1
Proj. Mgr. BMK	
Appr. by BMK	- of -