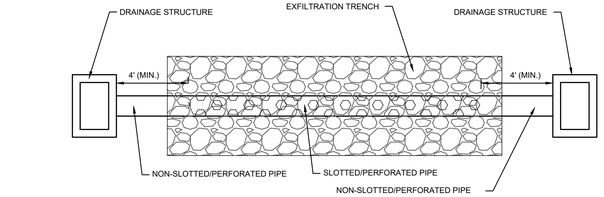
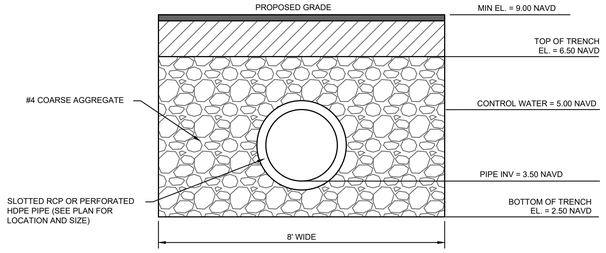
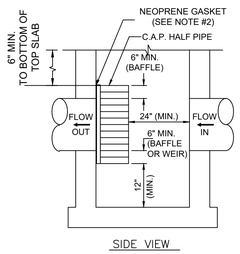




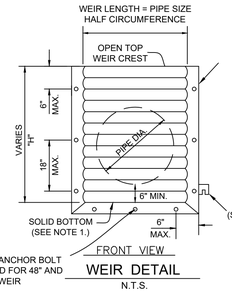
NOTES:
1. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT INDEX 285.
2. FILTER FABRIC ALL FOUR (4) SIDES OF EXFILTRATION TRENCH WITH 12" OVERLAP AT TOP OF TRENCH.
3. SLOTS OR PERFORATIONS SHALL BE CONSTRUCTED BY THE PIPE MANUFACTURER AND NOT CUT AT THE PROJECT SITE. SLOTS OR PERFORATIONS SHALL MEET FDOT SPECIFICATIONS.

TYPICAL EXFILTRATION TRENCH DETAIL
NOT TO SCALE

K-H



SIDE VIEW



FRONT VIEW

STRUCTURE	WEIR SIZE	WEIR CREST
ST-8	36"	8.30' (NAVD)

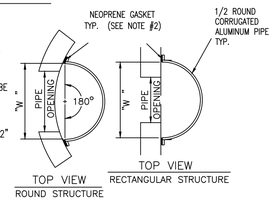
*(TABLE TO BE COMPLETED BY PROJECT ENGINEER)

WEIR DETAIL
N.T.S.

PIPE DIA.	W (IN)	T (GAUGE)	H (IN)
15"	21"	16	VARIES
18"	24"	16	VARIES
21"	30"	16	VARIES
24"	36"	16	VARIES
30"	42"	14	VARIES
36"	48"	14	VARIES
42"	54"	14	VARIES
48"	60"	14	VARIES
54"	66"	14	VARIES
60"	72"	14	VARIES

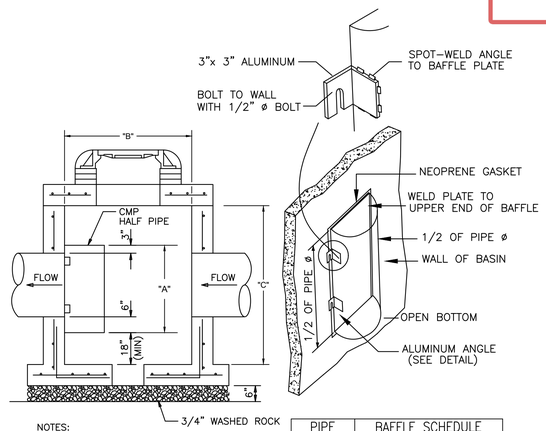
RECTANGULAR OR ROUND STRUCTURE

NOTES:
1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP OR BOTTOM.
2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF OF ALL BAFFLES AND BOTTOM OF ALL WEIRS.
3. POLLUTION RETARDANT BAFFLE AND WEIR TO BE FASTENED IN PLACE WITH 1/2" x 4" STAINLESS STEEL "RED HEAD" ANCHORS, OR APPROVED EQUAL. ALL MOUNTING HARDWARE TO BE STAINLESS STEEL.
4. FIBERGLASS BAFFLES ARE NOT PERMITTED.
5. BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.
6. PIPE CORRUGATION SHALL BE ANNULAR.



WEIR DETAIL
NOT TO SCALE

K-H

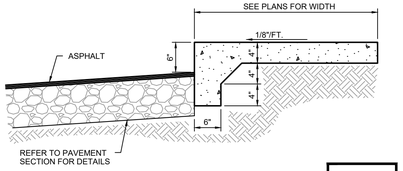


NOTES:
1. HALF ROUND PLATE TO BE WELDED TO TOP FOR POLLUTION RETARDANT BASIN.
2. THE HALF ROUND PIPE SHALL BE ONE SIZE LARGER THAN DISCHARGE PIPE.
3. FOR STRUCTURE'S CONSTRUCTION DIMENSIONS AND SPEC'S., SEE PRECAST CATCH BASIN DETAIL.
4. WEEP HOLES ARE NOT PERMITED IN WELLFIELD AREAS.

PIPE DIAMETER	BAFFLE SCHEDULE "A"	"B"	"C"
15"	27"	24"	37"
18"	30"	24"	37"
24"	36"	36"	36"
30"	42"	36"	42"
36"	48"	42"	54"
42"	56"	56"	56"
48"	60"	48"	60"
60"	72"	72"	72"

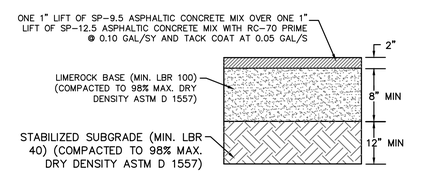
POLLUTION RETARDANT BAFFLE (PRB)
NOT TO SCALE

K-H



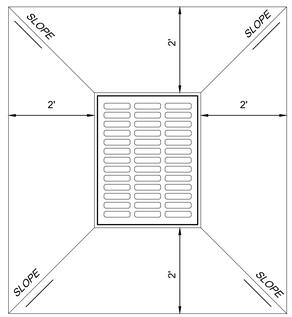
THICKENED EDGE SIDEWALK
NOT TO SCALE

K-H

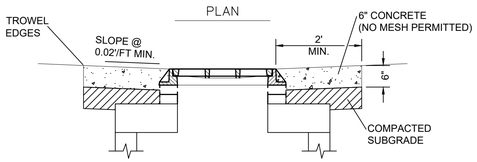


HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT SECTION
NOT TO SCALE

K-H



PLAN

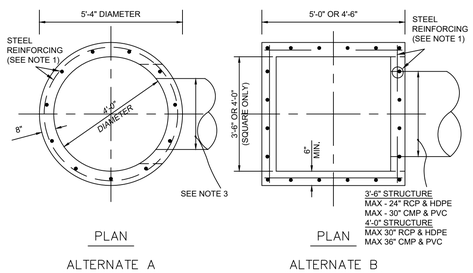


SECTION

NOTES:
1. CONSTRUCT 2' WIDE (MIN.) APRON AROUND INLET (4 SIDES).
2. APRON AROUND CATCH BASIN SHALL BE 6" THICK CONCRETE ON COMPACTED SUBGRADE.
3. CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
4. SLOPE OF APRON SHALL MATCH EXISTING PAVEMENT SLOPE.
5. PROVIDE LIGHT BROOM FINISH ON CONCRETE SURFACE AND TOOL ALL EXPOSED EDGES.

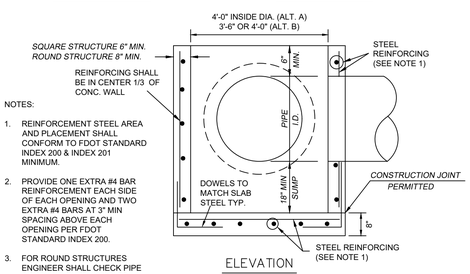
CATCH BASIN APRON DETAIL
NOT TO SCALE

K-H



PLAN
ALTERNATE A

PLAN
ALTERNATE B

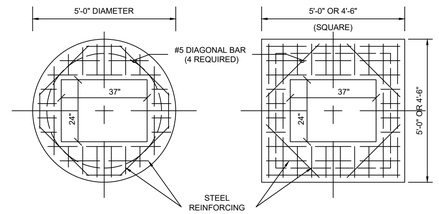


NOTES:
1. REINFORCEMENT STEEL AREA AND PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 200 & INDEX 201 MINIMUM.
2. PROVIDE ONE EXTRA #4 BAR REINFORCEMENT EACH SIDE OF EACH OPENING AND TWO EXTRA #4 BARS AT 3" MIN SPACING ABOVE EACH OPENING PER FDOT STANDARD INDEX 200.
3. FOR ROUND STRUCTURES ENGINEER SHALL CHECK PIPE SIZES AND ENTRY ANGLES (SEE FDOT INDEX 200, 3 OF 5)

ELEVATION

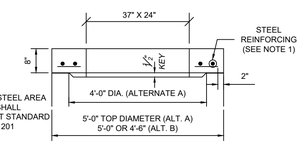
TYPE "P" - MANHOLE & INLET STRUCTURE BOTTOM
NOT TO SCALE

K-H



TOP VIEW
ALTERNATE A

TOP VIEW
ALTERNATE B



NOTE:
1. REINFORCEMENT STEEL AREA AND PLACEMENT SHALL CONFORM TO FDOT STANDARD INDEX 200 & INDEX 201 MINIMUM.

ELEVATION

INLET FRAME AND GRATE U.S. FOUNDRY STANDARD INLET
SERIES 4155-6209 OR APPROVED EQUAL
SERIES 5130-6168 OR APPROVED EQUAL
VALLEY GUTTER INLET - SERIES 5113-6194 OR APPROVED EQUAL

TYPE "P" - INLET TOP SLAB
NOT TO SCALE

K-H KIMLEY-HORN AND ASSOCIATES DETAIL

DRC
PZ25-12000028
01/07/2026

No.	REVISIONS	DATE	BY

Kimley»Horn
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8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

GIOVANNI VALERON PEREZ — LICENSE — No 97495 — STATE OF FLORIDA — PROFESSIONAL ENGINEER
DATE:11/21/2025

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KHA PROJECT	043175014
DATE	11/6/2025
SCALE	AS SHOWN
DESIGNED BY	GVF
DRAWN BY	EA
CHECKED BY	GVF

PAVING GRADING & DRAINAGE DETAILS

MODERA POMPANO BEACH
PREPARED FOR
MCRT INVESTMENTS LLC
FLORIDA
POMPANO BEACH

SHEET NUMBER
C-307

Plotted By:Parameter, Giovanni Sheet Set:MILL CREEK (POMPANO) Layout:C307 PAVING GRADING & DRAINAGE DETAILS: Xrefs:Model: 21/2025, 03:04:37pm: K:\TTL_Civil\043 Jobs\043175\Mill Creek Pompano\Design\CAD\PlanSheets\C-PGD-DET.dwg
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