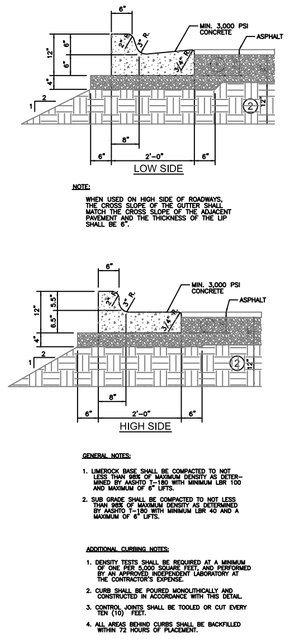
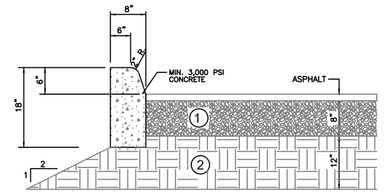


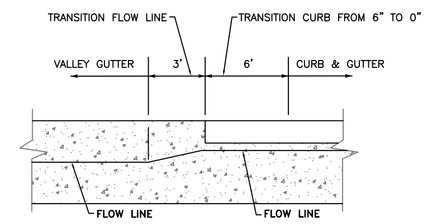
TYPE "F" CURB AND GUTTER DETAIL



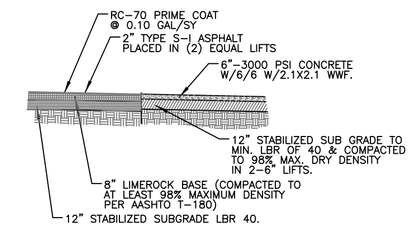
GENERAL NOTES:

1. CONCRETE CYLINDER TESTS SHALL BE REQUIRED AT A MINIMUM OF ONE PER 50 CU. YDS. OR LESS, AND PERFORMED BY AN APPROVED INDEPENDENT LABORATORY AT THE CONTRACTOR'S EXPENSE.
2. CURB SHALL BE POURED MONOLITHICALLY AND CONSTRUCTED IN ACCORDANCE WITH THIS DETAIL.
3. CONTROL JOINTS SHALL BE TOOLED OR CUT EVERY TEN (10) FEET.
4. ALL AREAS BEHIND CURBS SHALL BE BACKFILLED WITHIN 72 HOURS OF PLACEMENT.

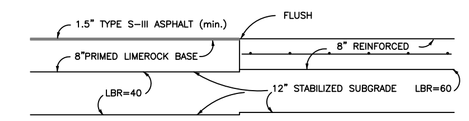
TYPE "D" CURB



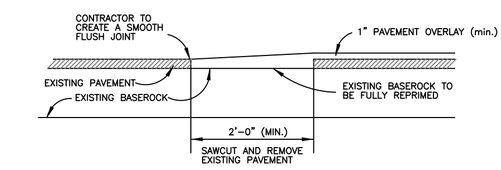
TRANSITION CURB AND GUTTER TO VALLEY GUTTER



ASPHALT-CONCRETE CONNECTION DETAIL



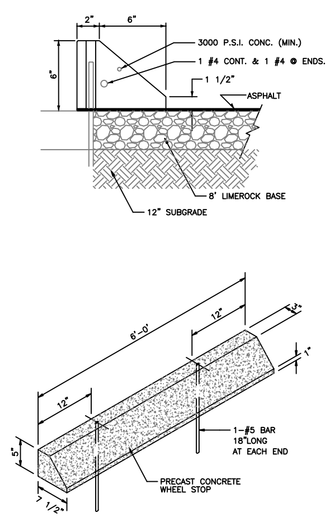
TYPICAL ASPHALT/CONCRETE JOINT



NOTES:

1. SLOPE CREATED BY OVERLAY SHALL NOT EXCEED 2% (0.02). SHOULD SLOPE EXCEED 2%, THEN MILLING SHALL BE REQUIRED. A 2'-0" SECTION PER EACH ADDITIONAL 1" OF OVERLAY SHALL BE MILLED AS NECESSARY TO ACHIEVE DESIRED SLOPE.

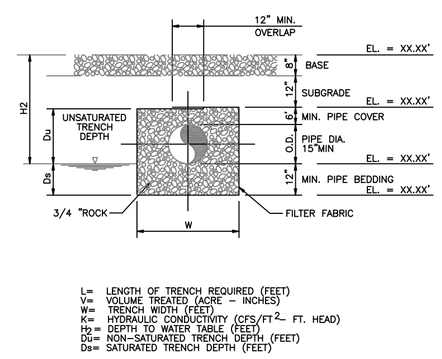
TERMINATION OF OVERLAY DETAIL



NOTES:

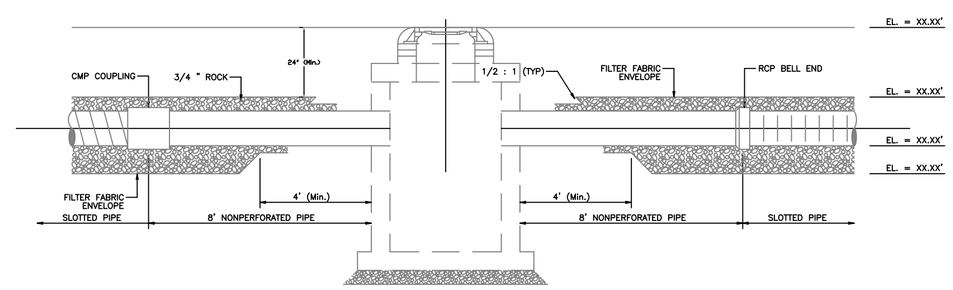
1. CONCRETE STRENGTH SHALL BE 3,000 P.S.I.

WHEELSTOP DETAIL



L= LENGTH OF TRENCH REQUIRED (FEET)
V= VOLUME TREATED (ACRE – INCHES)
W= TRENCH WIDTH (FEET)
K= HYDRAULIC CONDUCTIVITY (CFS/FT^2– FT. HEAD)
Hp = DEPTH TO WATER TABLE (FEET)
Du= NON-SATURATED TRENCH DEPTH (FEET)
Ds= SATURATED TRENCH DEPTH (FEET)

TYPICAL EXFILTRATION TRENCH



EXFILTRATION TRENCH LONGITUDINAL SECTION

NOTES:

GEOWEB SPECIFICATIONS GW20V – 100 MM (4 IN) DEPTH
(BY PRESTO PRODUCTS OR EQUAL)

BASE MATERIAL:

POLYMER – POLYETHYLENE WITH DENSITY OF 0.935–0.965 G/CM^3
COLOR – BLACK
STABILIZER – CARBON BLACK CONTENT 1.5%-2.0% BY WEIGHT
MINIMUM ESCR – 3000 HR

STRIP PROPERTIES:

SURFACE TREATMENT

PERFORMANCE – THE POLYETHYLENE STRIPS SHALL BE TEXTURED AND PERFORATED SUCH THAT THE PEAK FRICTION ANGLE BETWEEN THE SURFACE OF THE TEXTURED/PERFORATED PLASTIC AND A # 40 SILICA SAND AT 100% RELATIVE DENSITY SHALL BE NO LESS THAN 85% OF THE PEAK FRICTION ANGLE OF THE SILICA SAND IN ISOLATION WHEN TESTED BY THE DIRECT SHEAR METHOD PER ASTM D 5321. THE QUANTITY OF PERFORATIONS SHALL REMOVE 13.8% ±2.1 % OF THE CELL WALL AREA. MATERIAL – THE POLYETHYLENE STRIPS SHALL BE TEXTURED WITH A MULTITUDE OF RHOMBOIDAL (DIAMOND SHAPE) INDENTATIONS. THE RHOMBOIDAL INDENTATIONS SHALL HAVE A SURFACE DENSITY OF 22–31 PEN SQUARE CENTIMETER (140–200 PER SQUARE INCH). IN ADDITION, THE STRIPS SHALL BE PERFORATED WITH HORIZONTAL ROWS OF 10 MM (0.391 IN.) DIAMETER HOLES. PERFORATIONS WITHIN EACH ROW SHALL BE 19 MM (0.75 IN.) ON–CENTER. HORIZONTAL ROWS SHALL BE STAGGERED AND SEPARATED 12 MM (0.50 IN.) RELATIVE TO THE HOLE CENTERS. OUTER PERFORATION CENTERS SHALL BE 12 MM (0.50 IN.) FROM THE STRIP EDGES AND 25 MM (1.0 IN.) FROM THE CELL WELD POINTS.

CELL AND SEAM PROPERTIES:

CELL DETAILS

DEPTH – 100 MM (4 IN.)
LENGTH – 224 MM (8.8 IN.)
WIDTH – 259 MM (10.2 IN.)
DENSITY PER SQUARE METER (SQUARE YARD) – 36.4 (28.9)
NOMINAL AREA ± 1 % – 289 SQUARE CENTIMETER (44.8 SQUARE INCHES)

SHORT-TERM SEAM PEEL STRENGTH

CELL DEPTH – 75 MM (3 IN.)
MINIMUM CERTIFIED CELL SEAM STRENGTH – 1420 N (320 LBF)

SEAM HANG STRENGTH TEST

A 100 MM (4 IN.) WIDE SEAM SHALL SUPPORT A 72.5 KG. (160 LB) LOAD FOR 7 DAYS MINIMUM IN A TEMPERATURE–CONTROLLED ENVIRONMENT UNDERGOING A TEPERATURE CHANGE ON A 1–HOUR CYCLE FROM AMBIENT ROOM TO 54° C (130° F). AMBIENT ROOM TEMPERATURE PER ASTM E 41.

ALTERNATIVE SEAM HANG STRENGTH TEST

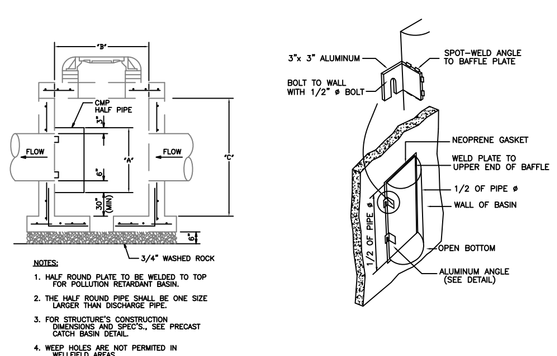
A 100 MM (4 IN.) WIDE SEAM SHALL SUPPORT A 72.5 KG. (160 LB) LOAD FOR 30 DAYS IN AN AMBIENT ROOM TEMPERATURE ENVIRONMENT. AMBIENT ROOM TEMPERATURE PER ASTM E 41.

SECTION PROPERTIES:

SECTION DIMENSIONS

SECTION WIDTH (VARIABLE) 2.3 M (7.7 FT.) TO 2.8 M (9.2 FT.)
SECTION LENGTH RANGE – MINIMUM 3.7 M (12.0 FT.) MAXIMUM 9.8 M (32.2 FT.)

GEOWEB - SPECIFICATIONS

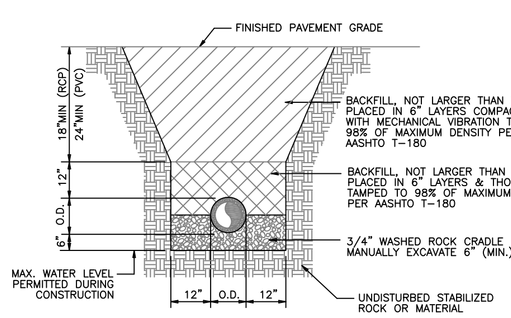


NOTES:

1. HALF ROUND PLATE TO BE WELDED TO TOP FOR POLLUTION RETAINANT BASIN.
2. THE HALF ROUND PIPE SHALL BE ONE SIZE LARGER THAN DISCHARGE PIPE.
3. FOR STRUCTURE'S CONSTRUCTION DETAILS, SEE DETAIL "A". SEE PRECAST CATCH BASIN DETAIL.
4. WEEP HOLES ARE NOT PERMITED IN WELDFIED AREAS.

PIPE DIAMETER	BAFFLE SCHEDULE "A"	"B"	"C"
15"	27"	24"	33"
18"	30"	24"	33"
24"	36"	36"	36"
30"	42"	36"	42"
36"	48"	42"	54"
42"	54"	54"	54"
48"	60"	48"	60"
60"	72"	72"	72"

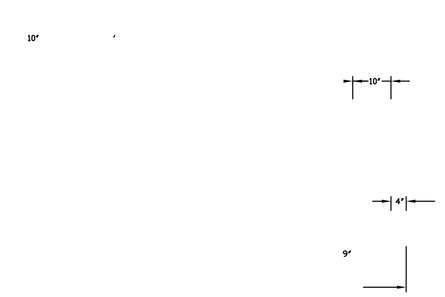
POLLUTION RETARDANT BAFFLE



PIPE INSTALLATION TRENCH DETAIL

PIPE SIZE				E		
15"	1'-11"	1'-2"		1'-10"		
18"	2'-2"	1'-3"	4'-6"	1'-11"		
24"	2'-8"	1'-4"	6'	2'-0"		

F.D.O.T. STRAIGHT ENDWALL



NOTE: REFER TO FDOT INDEXES NO. 260, 261, AND 264 FOR ADDITIONAL ENDWALL DETAILS AND SPECIFICATIONS

F.D.O.T. U-TYPE ENDWALL WITH WINGS

REVISIONS			
No.	Date	Remarks	By

Design By:	Date:
Drawn By:	Date:
Checked By:	Date:
Approved By:	Date:

CITY OF PARKLAND

ENGINEERING DIVISION

STANDARD DETAILS

PAVING AND DRAINAGE

CITY OF PARKLAND, BROWARD COUNTY, FLORIDA

Scale: N.T.S.

SHEET PD3