



TYPICAL PERVIOUS CONCRETE GUTTER
CROSS SECTION
 NOT TO SCALE

NOTES:

1. FILTER FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUIVALENT.
2. PERVIOUS CONCRETE GUTTER SHALL ONLY BE CONSTRUCTED WHERE THE STREET GRADE IS LESS OR EQUAL TO 2%, OR APPROVED BY CITY ENGINEER.
3. SUBGRADE SHALL BE COMPACTED TO MINIMUM DENSITY OF 90% PER ASTM D1557.
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT INTERVALS OF 20' OR AS DESIGNATED BY THE ENGINEER AND SHALL BE A MINIMUM OF 1" IN DEPTH AND SHALL, WHERE PRACTICABLE, COINCIDE WITH THE SCORE LINES ON ADJACENT SIDEWALK SURFACES. ALSO, WEAKENED PLANE JOINTS SHALL BE SAWED BETWEEN 10 AND 24 HOURS AFTER THE CONCRETE HAS BEEN PLACED.
5. THE EXPANSION JOINTS WHERE APPLICABLE SHALL BE 1/2" THICK ASPHALTIC FELT COMPOUND AND SHALL GENERALLY BE PLACED AT LINES WHERE THE SECTION CHANGES IN THICKNESS OF WIDTH. AFTER THE CONCRETE HAS BEEN FINISHED, AN EDGER OF 1/4" RADIUS SHALL BE USED ON EACH SIDE OF THE EXPANSION JOINT FILLER.
6. CONSOLIDATION AND FINISH SURFACE SHALL BE ACCOMPLISH BY ROLLING OVER THE CONCRETE WITH A STEEL ROLLER. COMPACT THE CONCRETE ALONG THE SLAB EDGES WITH HAND TOOLS.
7. WHERE IT APPLIES, INTEGRAL COLORED CONCRETE SHALL BE PALM SPRING TAN BY COLORFUL CONCRETE PRODUCTS OR EQUAL.
8. ACROSS THE PEDESTRIAN ROUTE AT CURB RAMP LOCATION, THE GUTTER PAN SLOPE SHALL NOT EXCEED 5%.
9. FOR CONSTRUCTING NEW CURB AND/OR GUTTER ON EXISTING STREETS, A 18" WIDTH OF ASPHALT CONCRETE SHALL BE REMOVED AND REPLACED TO FULL DEPTH. PAVEMENT SURFACE NEAR BOTTOM OF ACCESS RAMP SHALL BE FLUSH WITH EDGE OF GUTTER (NO LIP) AND PAVEMENT SLOPE SHALL NOT EXCEED 5% IN ANY DIRECTION.



DATE REVISED

10/05/2021

**CITY OF MANHATTAN BEACH
 DEPARTMENT OF PUBLIC WORKS**

PERVIOUS CONCRETE GUTTER

APPROVED BY

PREM KUMAR, P.E., CITY ENGINEER

10/06/2021

DATE

STANDARD PLAN NUMBER

MBSI-123A-0

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