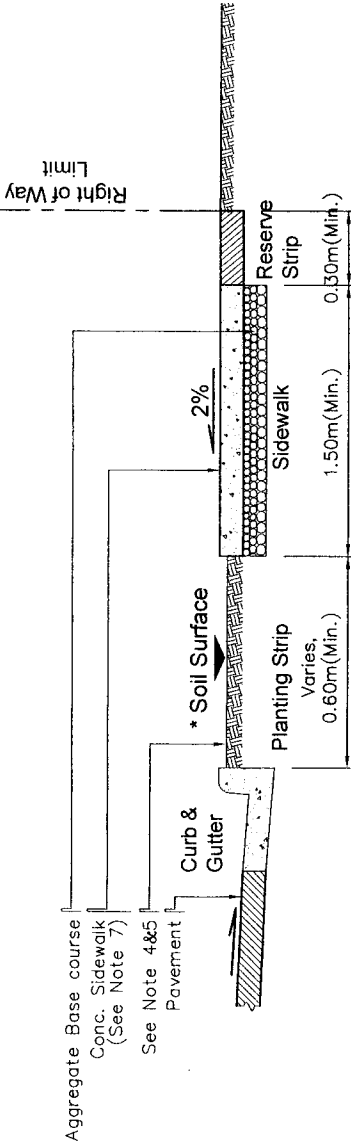
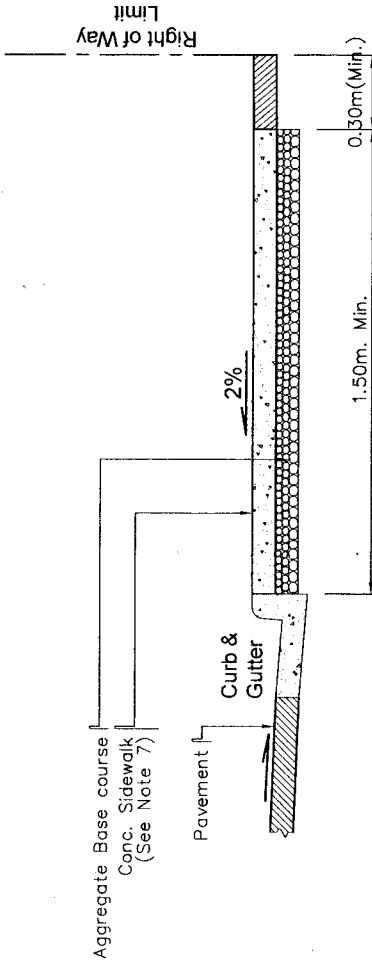




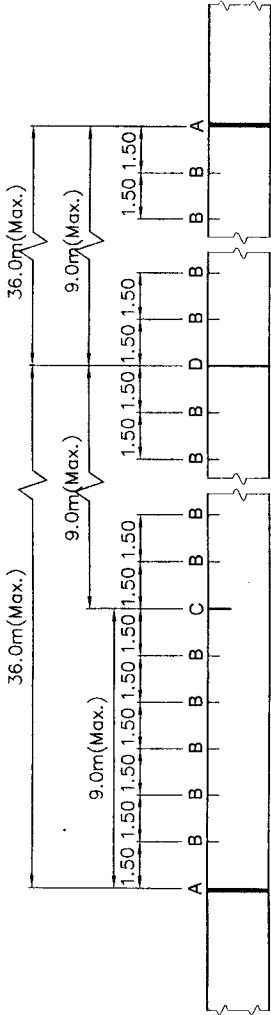


TYPICAL SECTION  
(Setback Sidewalk - Sidewalk Away from Curb)

NOTE :



TYPICAL SECTION  
(Curbside Sidewalk - Sidewalk Adjacent to Curb)



SIDEWALK JOINT DETAILS  
(Sawed Joints)

1. Materials and construction requirements shall conform to DPWH Standard Specification for Highways and Bridges, 2004.
2. Use of Monofilament Polypropylene(D.O. No.95, series of 2005) as additive to Concrete Mix.
3. Sidewalk width of 1.50m shall be the minimum pedestrian accessible route free of vertical and horizontal obstructions. Drainage covers, junction boxes, cable vaults, pull boxes and other appurtenances within the sidewalk must have slip resistant surface and be flush with surface and match grade of the sidewalk.
4. Lawn grass or vegetative ground cover of a type with a maximum growth height of 100mm shall be provided with 100mm thick soil \*. The Soil level surface must be placed at least 50mm below the sidewalk surface.
5. In lieu of lawn grass, the following may be considered:
  - a) Acceptable artificial turf
  - b) Precast Masonry units laid closely in a uniform pattern (bricks, tile caps).
  - c) Loose aggregate such as basaltic coral or limestone chips.

6. Full Width Concrete Sidewalk may be permitted when constructed for the entire block.
7. Sidewalk shall have a minimum thickness of 150mm if Mountable Curb is used, or if Sidewalk is intended as portion of driveway. Otherwise, sidewalk shall have a minimum thickness of 100mm.
8. Joint Legend:
  - A - 10mm Expansion Joints ( Full Depth Preformed Joint Filler )
  - B - 5mm Saw Cut Joints, 40mm deep ( within 96 Hrs.) Maximum 1500mm center.
  - C - 5mm Saw Cut Joints, 40mm deep ( within 12 Hrs.) Maximum 9000m center.
  - D - 10mm Expansion Joint for 36000mm Maximum length of Run of Sidewalk ( Full Depth Preformed Joint Filler )



SHEET TITLE:

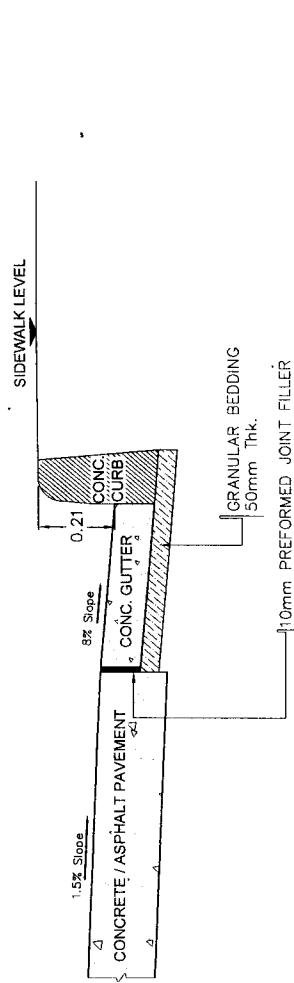
SHEET CONTENT :

SHEET NO.

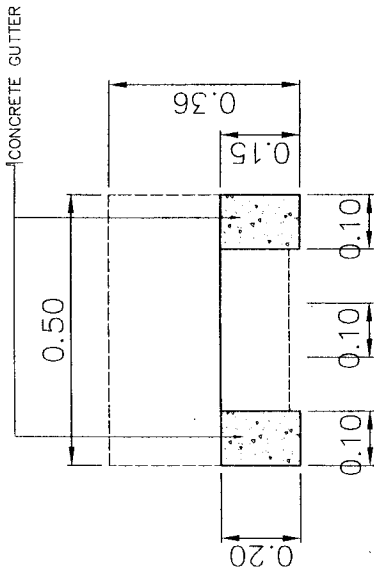
CONCRETE SIDEWALK  
( Cast - In - Place )

TYPICAL SECTION  
JOINT DETAILS  
NOTES

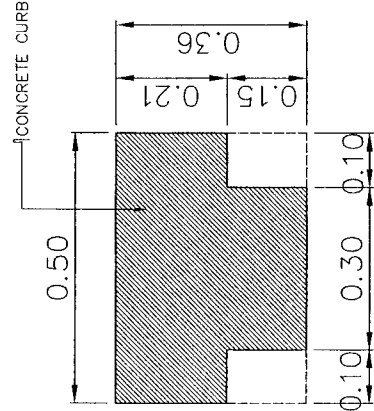
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5



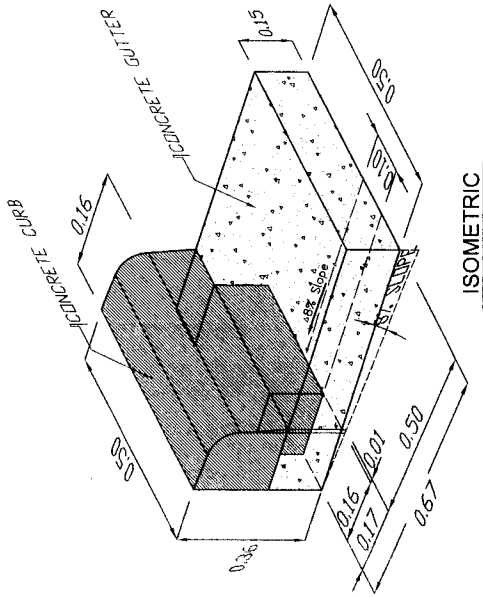
TYPICAL SECTION



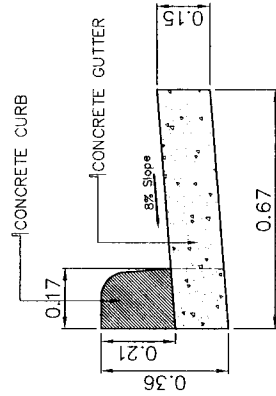
REAR ELEV. OF GUTTER



REAR ELEV. OF CURB



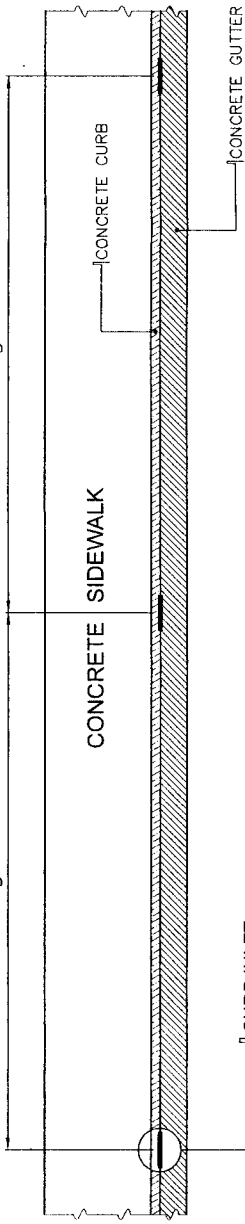
ISOMETRIC



CONCRETE CURB & GUTTER DETAILS

\*(SEE NOTE Nos. 4&5)  
" D "

\*(SEE NOTE Nos. 4&5)  
" D "



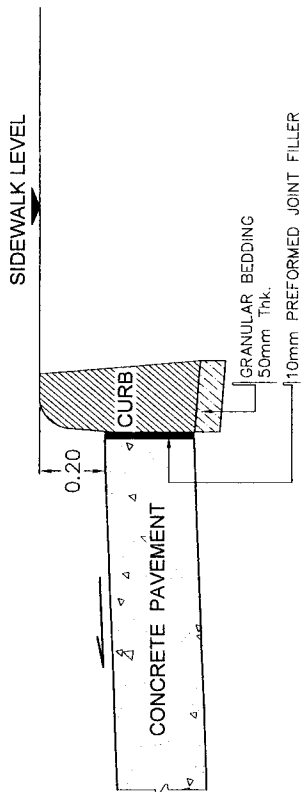
TYPICAL LAYOUT OF CONCRETE CURB AND GUTTER  
WITH CURB INLET

SCALE

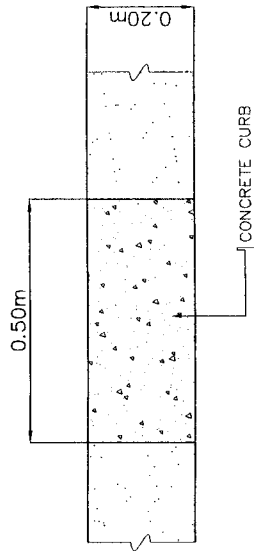
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NOTES:

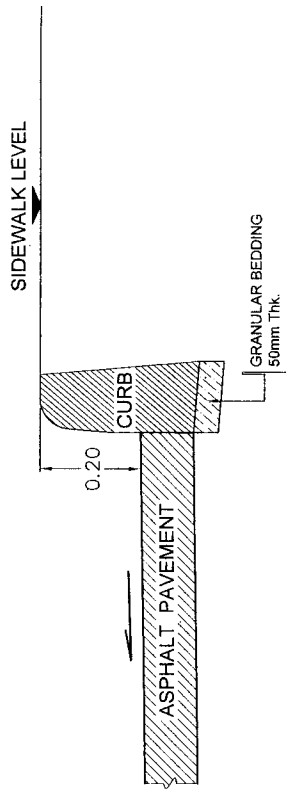
1. MATERIAL AND CONSTRUCTION REQUIREMENTS SHALL CONFORM TO DPWH STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES 2004.
2. USE OF MONOFILAMENT POLYPROPYLENE SYNTHETIC FIBERS ( D.O. 95, SERIES 2005 ) AS ADDITIVE TO CONCRETE MIX
3. CONCRETE CURB AND GUTTER SHALL BE CONSIDERED IN THE DESIGN OF PAVED ROADS IF THE FUNCTION IS TO FACILITATE THE CHANNELLING OF SURFACE WATER RUN-OFF THUS PREVENTING THE EROSION OF SHOULDERS AND SLOPE.
4. MINIMUM CURB INLET INTERVAL ("D") 10.0 METERS IN FLOODED AREAS.
5. MINIMUM CURB INLET INTERVAL ("D") 20.0 METERS IN OTHER AREAS.



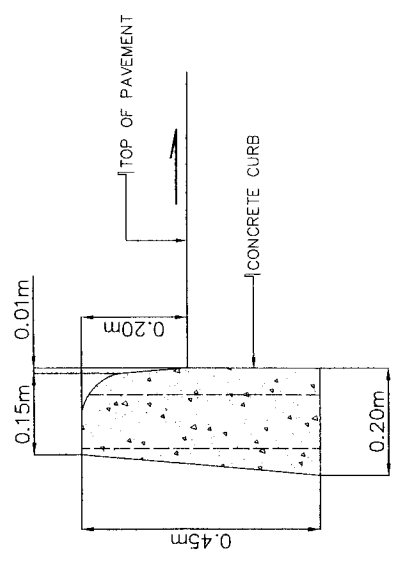
TYPICAL SECTION  
(ADJOINING CONCRETE PAVEMENT)



PLAN  
(TOP VIEW)

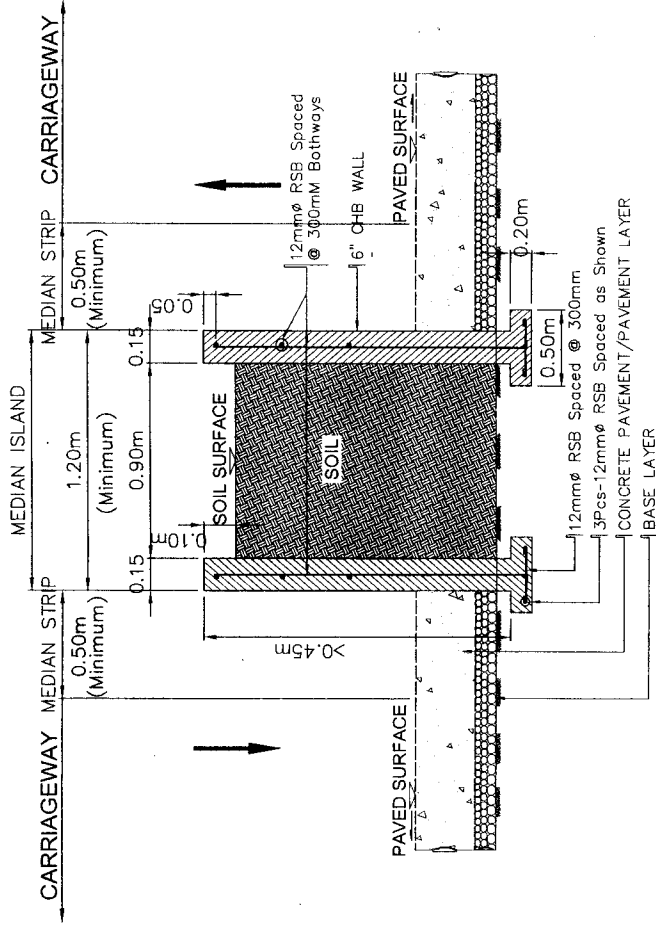


TYPICAL SECTION  
(ADJOINING ASPHALT PAVEMENT)

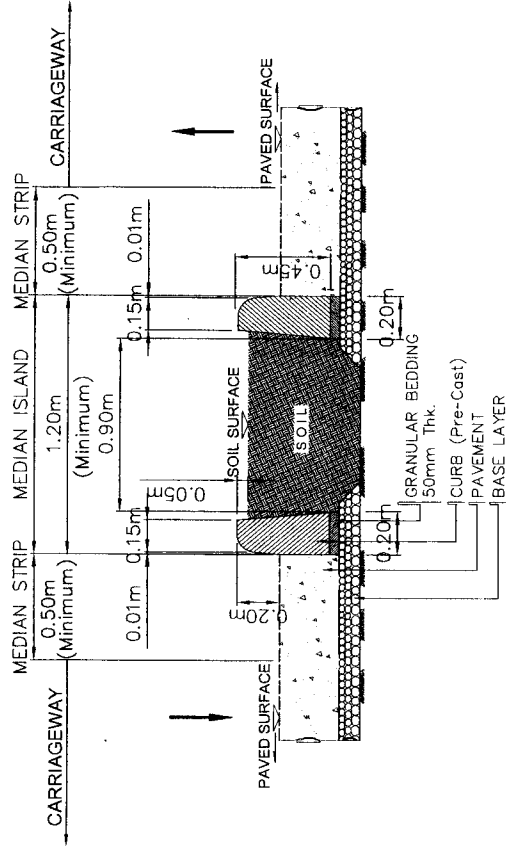


CONCRETE CURB DETAIL

- NOTES:
1. MATERIAL AND CONSTRUCTION REQUIREMENTS SHALL CONFORM TO DPWH STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES 2004.
  2. USE OF MONOFILAMENT POLYPROPYLENE SYNTHETIC FIBERS ( D.O. 95, SERIES 2005 ) AS ADDITIVE TO CONCRETE MIX.
  3. CONCRETE CURB SHALL BE CONSIDERED IN THE DESIGN OF PAVED ROADS IF THE FUNCTION IS TO SEPARATE THE ROAD FROM THE ROADSIDE. DISCOURAGING DRIVERS FROM PARKING OR DRIVING ON SIDEWALKS AND LAWNS.



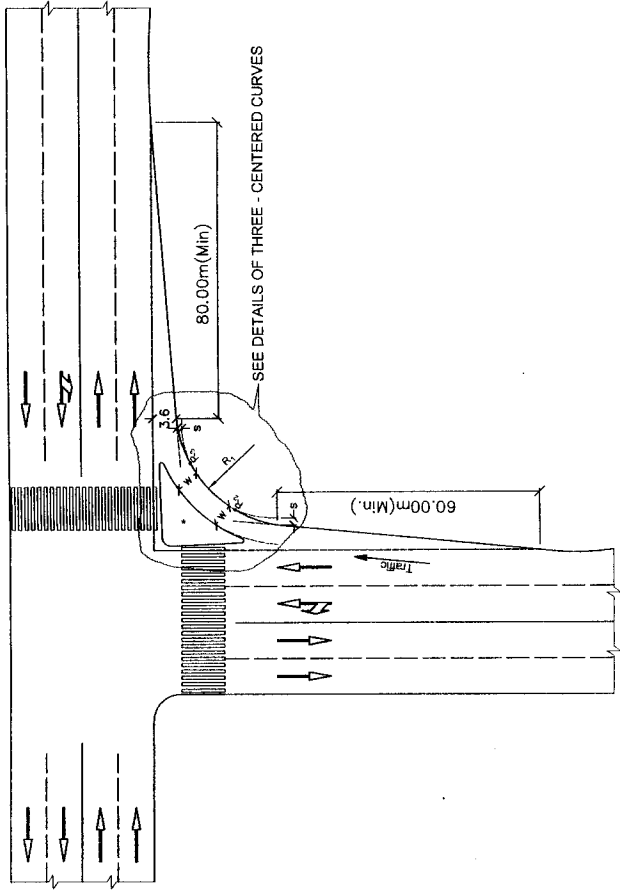
**TYPICAL SECTION**  
(Cast - In - Place)



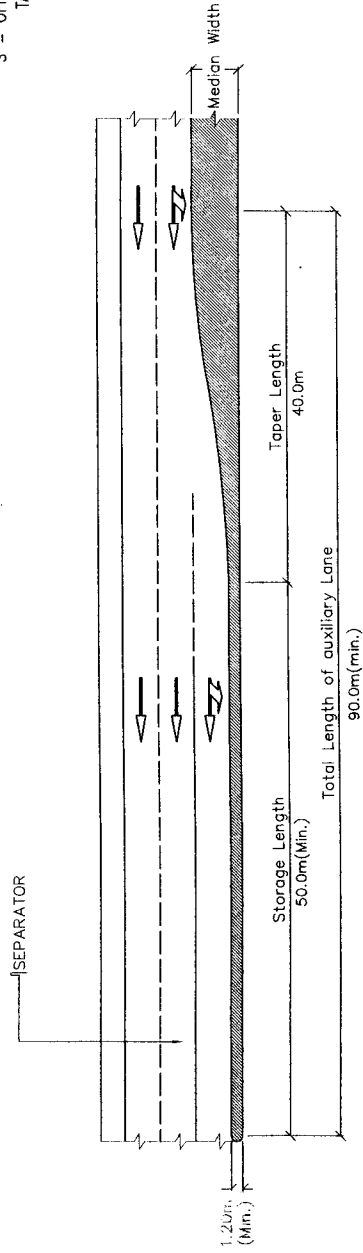
**TYPICAL SECTION**  
(Pre - Cast)

**NOTE :**

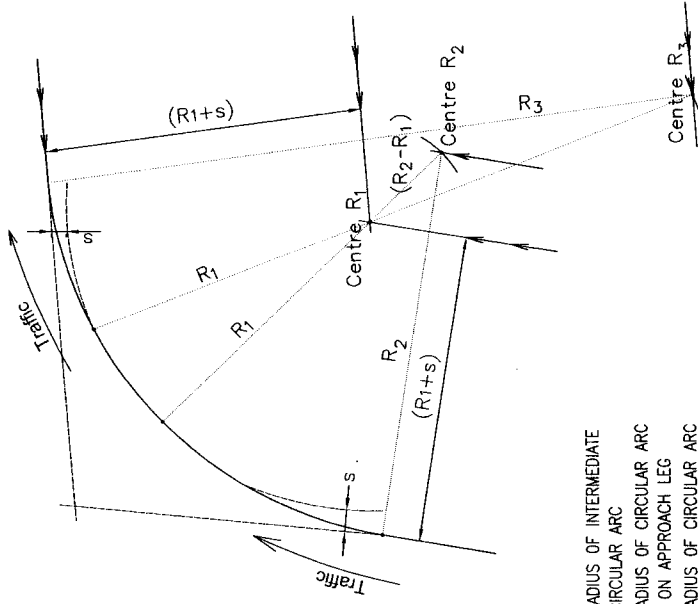
1. Planting of Trees should not be permitted on High Speed Multilane Divided Highway.
2. Surface Level of Soil Fill shall be lower than top of island:
  - a) 50mm for island height  $\leq 0.45m$
  - b) 100mm for island height  $> 0.45m$



TYPICAL PLAN / LAYOUT  
( RIGHT TURNING VEHICLE )



TYPICAL PLAN / LAYOUT  
( SINGLE LEFT TURNING VEHICLE )



R1 = RADIUS OF INTERMEDIATE  
CIRCULAR ARC  
R2 = RADIUS OF CIRCULAR ARC  
ON APPROACH LEG  
R3 = RADIUS OF CIRCULAR ARC  
ON DEPARTURE LEG  
S = OFFSET OF INTERMEDIATE CIRCULAR ARC FROM  
TANGENTS OF APPROACH

### GEOMETRIC CONSTRUCTION OF THREE - CENTERED CURVES

#### NOTE

1. No Provision for passing a stalled vehicle,  $w = 6.50m$ . for  $R1 = 12.0m$ . and  $S = 1.50m$ .
2. If Barrier curbs are used on each side add  $0.30m$ . for the Total Width Requirement.
3. Where :  $R1 = 12.00m$ . to  $30.00m$ .,  $R2 = 1.50 (R1)$  and  $R3 = 3 (R1)$ .