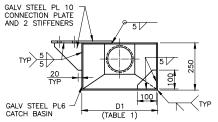


METRIC DIMENSIONS ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE SHOWN

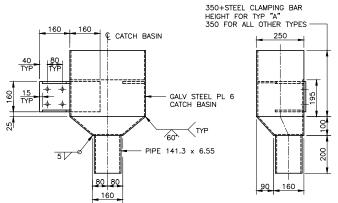
DRAWING NOT TO BE SCALED

100mm ON ORIGINAL DRAWING

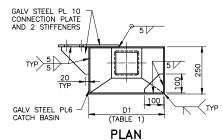
SIDE VIEW



PLAN



CATCH BASIN (TYPE '1') AS SHOWN CATCH BASIN (TYPE '1') OPPOSITE HAND



FRONT VIEW

350+STEEL CLAMPING BAR HEIGHT FOR TYP "A" 350 FOR ALL OTHER TYPES -|-160 -|-160 -| ¢ CATCH BASIN 250 GALV STEEL PL6 CATCH BASIN HSS 127x127x6 4 80 80 160 SIDE VIEW

FRONT VIEW

CATCH BASIN (TYPE '2') AS SHOWN CATCH BASIN (TYPE '2') OPPOSITE HAND Ontario Ministry of Transportation

CONT

SHEET

EXPANSION JOINT DRAINAGE SYSTEM CATCH BASIN AND DOWNPIPE-DETAILS

NOTES:

- 1. PIPE SHALL BE IN ACCORDANCE WITH ASTM A53 GRADE B
- HSS SHALL BE GRADE 350W. STEEL PLATE GRADE 350W MAY BE USED AS AN ALTERNATIVE TO HSS, PROVIDED THAT SECTIONS ARE FABRICATED USING FULL PENETRATION WELDS
- STEEL SHALL BE GRADE 300W UNLESS NOTED OTHERWISE.
- THREADED STUDS SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION A108 AND CSA W59-13, USING FUSION WELL OR SHIELDED METAL ARC WELDING PROCESS.
- ALL COMPONENTS, INCLUDING ALL CONNECTORS, SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- CATCH BASIN AND DOWNPIPE SHALL BE CONNECTED TO CONCRETE USING ADHESIVE ANCHORS. THEY SHALL BE EQUIVALENT TO ASTM A325M, SIZE M16, WITH A MINIMUM EMBEDMENTLENGTH OF 100mm.
- ADHESIVE ANCHOR INSTALLATION TO BE DONE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- DETAILS OF CATCH BASIN ARE APPROPRIATE AND THE SIZE ADEQUATE FOR BRIDGES WITH ANY SKEW.
- THIS DRAWING TO BE READ IN CONJUCTION WITH DRAWING SS113-11 (FOR BARRIER WALLS) OR SS113-16 (FOR PARAPET WALLS), OR SS113-31 (FOR BARRIER WALLS) OR SS113-34 (FOR PARAPET WALLS).
- FOR REHABILITATION CONTRACTS, DIMENSION D2 TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND SHOWN ON THE SHOP DRAWINGS.
- 11. LEGEND: [] DENOTES FASTENER SIZE IN INCHES.

NOTES TO DESIGNER:

- THIS DRAINAGE SYSTEM IS OPTIONAL AND SUBJECT TO THE APPROVAL OF THE REGIONAL STRUCTURAL SECTIONS.
- THIS DRAWING, IN CONJUNCTION WITH DRAWINGS SS113-11.

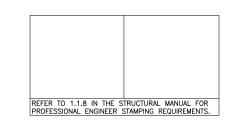
 OR SS113-16 OR SS113-31 OR SS113-34, SHOULD ONLY.

 BE USED WHEN THE FREZING AND/OR PONDING OF WATER.

 ON THE BRIDGE DECK IS A CONCERN. IT IS NOT TO BE USED.

 IN AESTHETICALLY SENSITIVE LOCATIONS AND UNDERPASSES.
- THE DESIGNER SHALL COMPLETE TABLE 2 BASED ON TABLE AND THE CONTOUR OF THE ABUTMENT BACKFILL.
- FOR POST-TENSIONED STRUCTURES (WHICH DO NOT HAVE DECK DRAINS) CATCH BASIN(S) SHALL BE PROVIDED AT THE END(S) OF APPROACH SLABS TO RECEIVE WATER WHICH THE EXPANSION JOINT DRAINAGE SYSTEM CANNOT CONVEY.
- THE 'NOTES TO DESIGNER' SHALL BE DELETED FROM THIS.

 DRAWING PRIOR TO ISSUING OF CONTRACT.



STANDARD DRAWING SS113-14 APRIL 2022 **EXPANSION JOINT DRAINAGE SYSTEM** CATCH BASIN AND DOWNPIPE - DETAILS

DATE BY DESCRIPTION DESIGN - LOAD