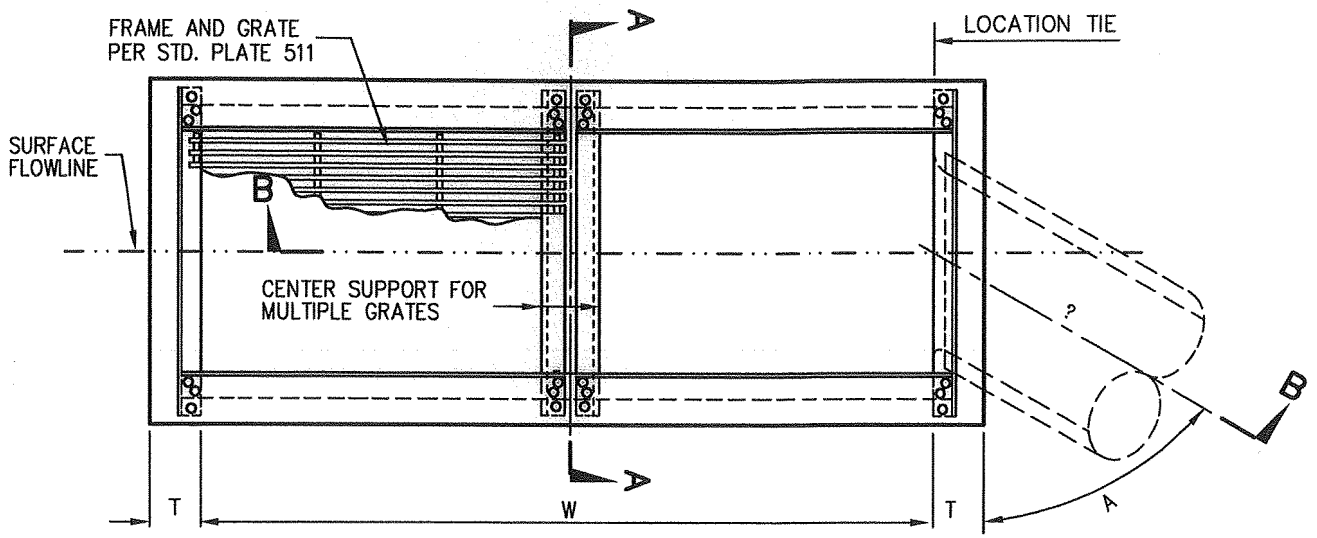

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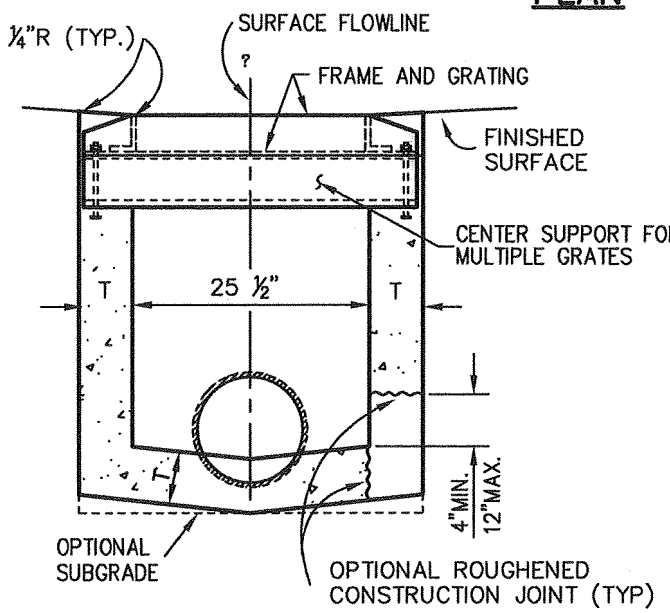
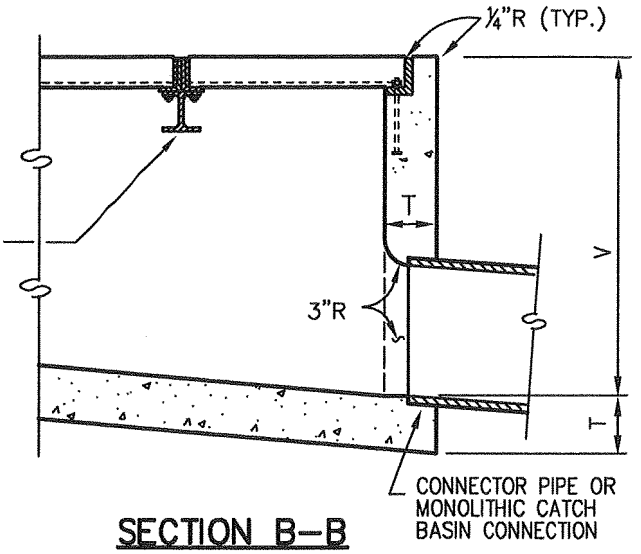


SECTION A–A



SECTION B–B

STRUCTURAL DATA

WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS

NO. OF GRATES	MAX. V	T	REINFORCEMENT FOR WALLS AND SLABS
1–2	4'	6"	NOT REQUIRED
1–2	8'	8"	
1–2	10'	10"	
1–2	12'	10"	REQUIRED
3–4	4'	6"	NOT REQUIRED
3–4	7'	8"	
3–4	8'	8"	REQUIRED
3–4	12'	10"	
5–6	4'	6"	NOT REQUIRED
5–6	6'	8"	
5–6	8'	8"	REQUIRED
5–6	12'	10"	
>6	4'	6"	
>6	8'	8"	
>6	12'	10"	

REV. APPR. BY DATE

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CITY OF Oxnard

Department of Public Works

GRATED CATCH BASIN–ALLEY (LONGITUDINAL)

DRAWN: STAFF CKD.: PAUL WENDT

APPR. L. Balderrama, PE, City Engineer

STANDARD PLAN 2002

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SHEET 1 OF 2

NOTES:

1. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.

2. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.

3. DIMENSIONS:

   V = 3.5 FT.

   V_U = THE DEPTH AT THE UPSTREAM END OF THE BASIN AND SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 2, BUT SHALL NOT BE LESS THAN 2.5'.

   V_I = THE DEPTH AT THE INVERT OF THE INLET. NOTED ON PLANS.

   W = 2'–11 3/8" FOR ONE GRATING ADD 3'–5 3/8" FOR EACH ADDITIONAL GRATING.

   A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.

4. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECCESSARY TO INSURE MINIMUM 3" PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.

1 5. ALL CATCH BASINS SHALL INCLUDE INSTALLATION OF A PLACARD STATING "NO DUMPING – DRAINS TO OCEAN" (or WETLANDS or WATERWAYS as applicable). PLACARD SHALL BE PLACED ON THE TOP OF CURB ON THE LEFT SIDE OF THE OPENING ORIENTED SO READABLE FROM THE SIDEWALK. PLACARDS ARE AVAILABLE FROM STORMWATER QUALITY PROGRAM.

6. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HEREIN:
   508 MONOLITHIC CATCH BASIN CONNECTION
   507 CATCH BASIN REINFORCEMENT
   511 FRAME AND GRATING FOR CATCH BASINS

7. ONE GRATING IS REQUIRED UNLESS OTHERWISE SHOWN ON THE PROJECT PLANS.

REV.	APPR. BY	DATE

REV.	APPR. BY	DATE
1	L. Balderrama	08/02/11

CITY OF Oxnard
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GRATED CATCH BASIN–ALLEY (LONGITUDINAL)

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