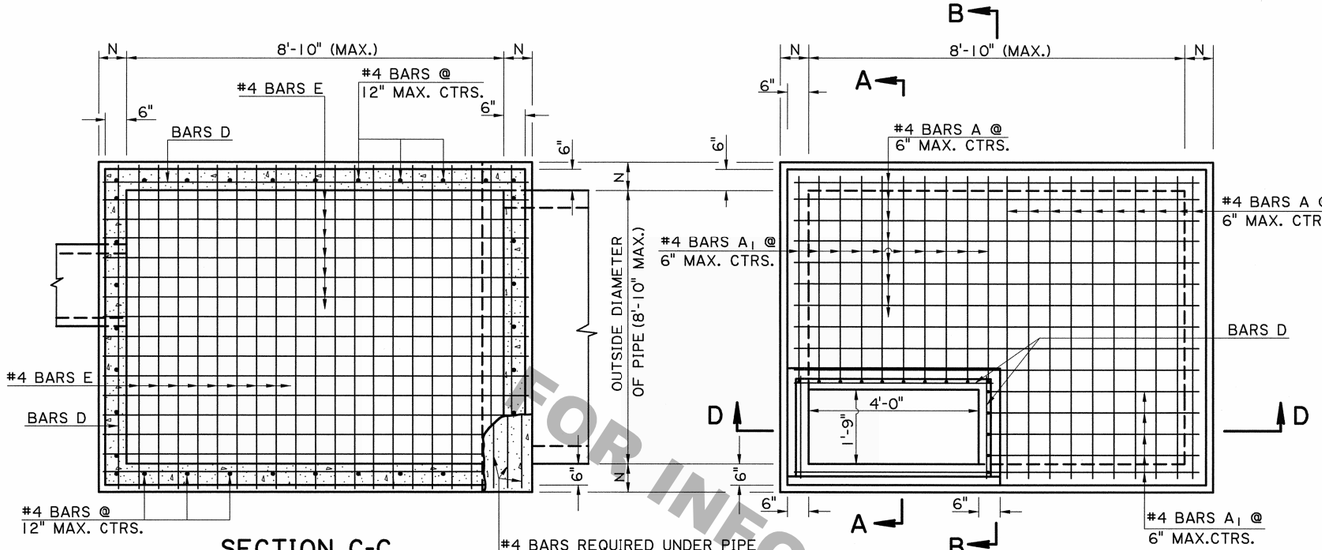
23-DEC-2010 10:10



SECTION C-C

(SHOWING BOTTOM SLAB & WALL REINFORCING STEEL)

PLAN

(SHOWING TOP SLAB REINFORCING)

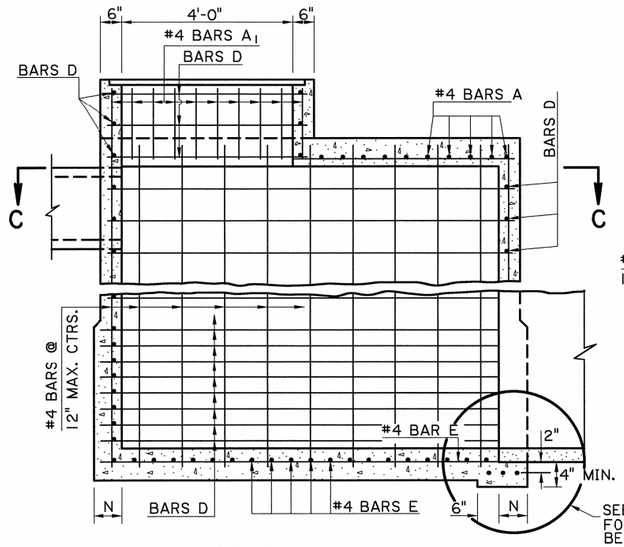
STATE OF LOUISIANA
WILLIAM M. RAY
REG. No. 24936
REGISTERED PROFESSIONAL ENGINEER IN
CIVIL ENGINEERING
12/22/10

GENERAL NOTES:

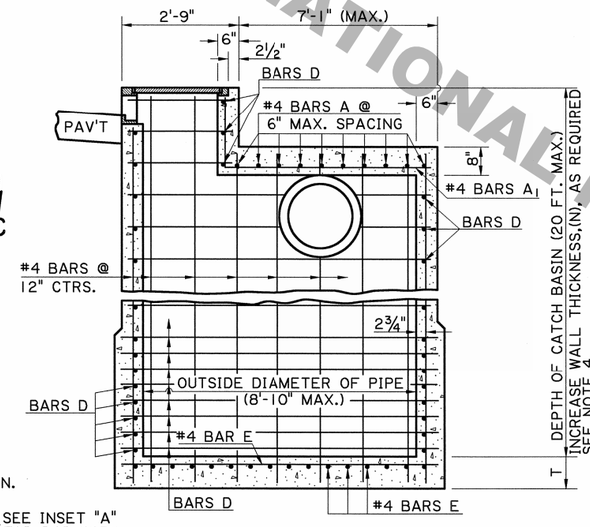
1. CATCH BASIN IS DESIGNED ACCORDING TO 4TH ED. 2007 AASHTO LRFD PROCEDURES. SECTION 702 OF THE DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾ IN. EXCEPT AS NOTED.
3. REINFORCING STEEL: REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS ARE TO BAR CENTERS. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 IN. CLEAR UNLESS SHOWN OTHERWISE.
4. AS DEPTH INCREASES THE WALL AND SLAB THICKNESSES AND REINFORCEMENT SHOULD BE INCREASED AS SHOWN IN THE TABLE BELOW. THE CONTRACTOR HAS THE OPTION TO PROVIDE THE MAXIMUM REQUIRED WALL THICKNESS FOR THE FULL DEPTH OF THE STRUCTURE.

DEPTH RANGE	WALLS			BOTTOM SLAB		
	N	D BARS		T	E BARS	
	IN.	SIZE	SPAC.,IN.	IN.	SIZE	SPAC.,IN.
0' TO 7'	6.0	4	4.5	6.0	4	7.5
7'-1" TO 11'	7.0	4	5.0	6.5	4	5.5
11'-1" TO 18'	8.0	5	5.5	7.5	4	4.5
18'-1" TO 20'	8.5	5	5.5	8.0	4	4.0

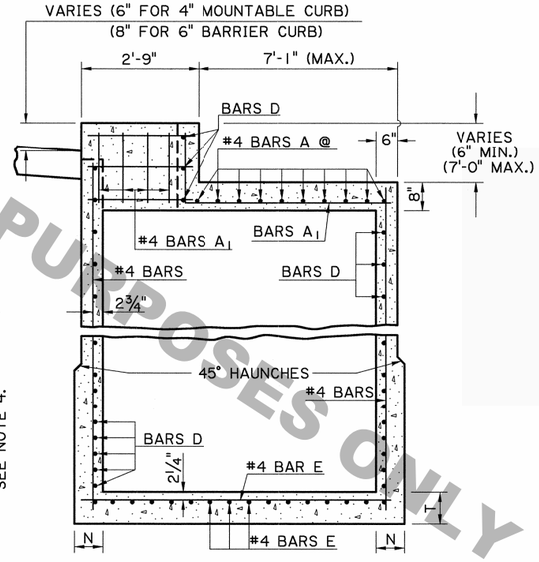
5. FOR DETAILS OF METAL COVER, FRAME, AND GRATE, SEE STD. PLAN MC-01, TYPE H & TYPE I.
6. THE CONTRACTOR WILL NOT POUR ABOVE THE BOTTOM OF THE SLAB UNTIL THE PAVING ADJACENT TO THE CATCH BASIN HAS BEEN COMPLETED.



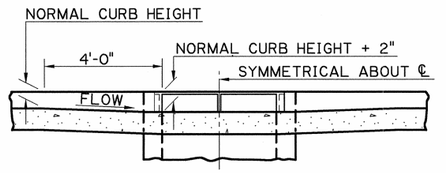
SECTION D-D



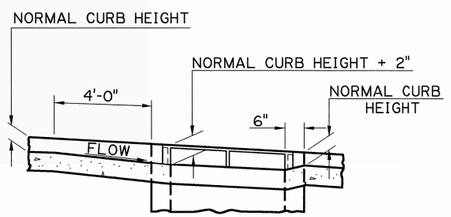
SECTION A-A



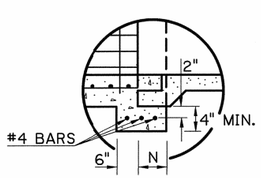
SECTION B-B



TRANSITION IN CURB HEIGHT CATCH BASIN AT LOW POINT

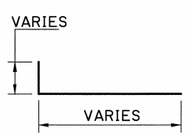


TRANSITION IN CURB HEIGHT CATCH BASIN ON A GRADE

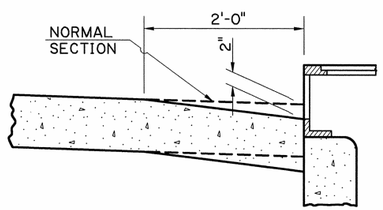


INSET "A"

RCP WITH BELLJOINT

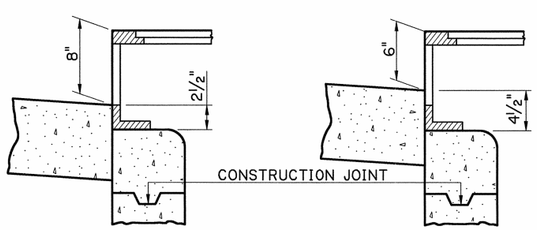


#4 BARS A₁



SECTION

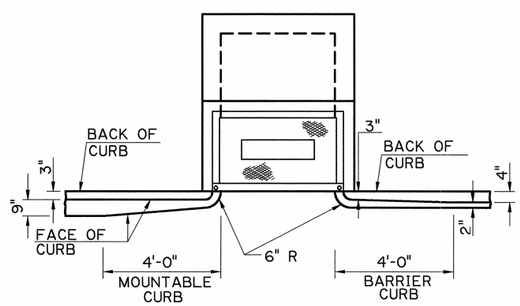
SHOWING PAVEMENT SUMP TYPICAL



INLET CONFIGURATION

WHEN USED WITH 6" BARRIER CURB

WHEN USED WITH 4" MOUNTABLE CURB



TRANSITION IN CURB WIDTH

(TYPICAL)

FOR INFORMATIONAL PURPOSES ONLY

NO.	DATE	REVISION DESCRIPTION	BY
3	12-22-10	Rev. to AASHTO LRFD Procedures, Rev. size 8'-10"	WMR
2	1-17-07	REV. MAX. DIMENSION IN SECTION A-A	JDK
1	8-18-98	CHANGED SHEET BORDER AND ADDED NAME	JCM

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

DESIGNED LAB CHECKED PAA | DETAILED KAJ CHECKED PAA | DATE 11-15-90 | SHEET 1 OF 1

CONCRETE CATCH BASIN
CURB OPENING
4" Mountable Or 6" Barrier Curb
Max. Size: 8'-10" x 8'-10", Max. Depth 20'

SPECIAL DETAIL | CB-SD06

HYDRAULICS SECTION

IP_PWP:dms09539\CB-SD06.dgn