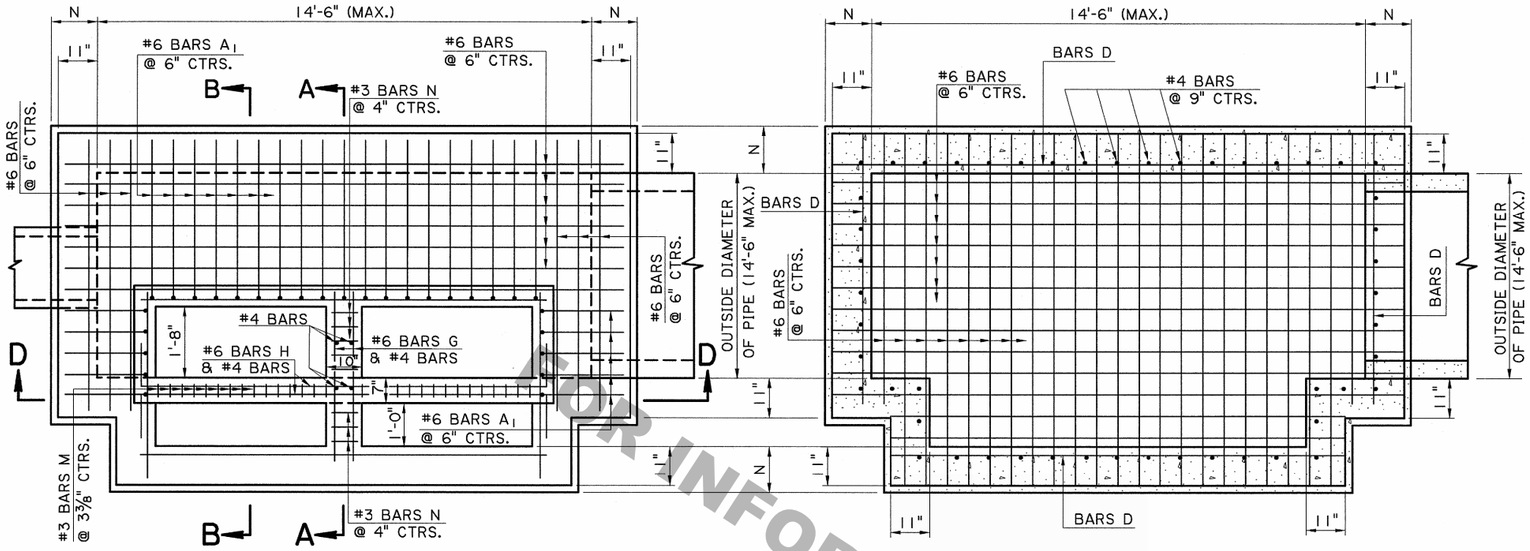
16-JUN-2011 07:25




## PLAN

(SHOWING REINFORCING IN TOP SLAB)

## SECTIONAL PLAN

(SHOWING REINFORCING IN BOTTOM SLAB AND WALLS)

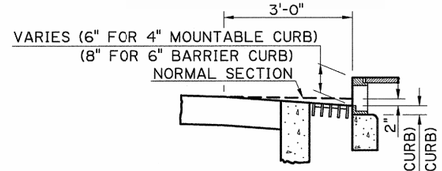
GENERAL NOTES:

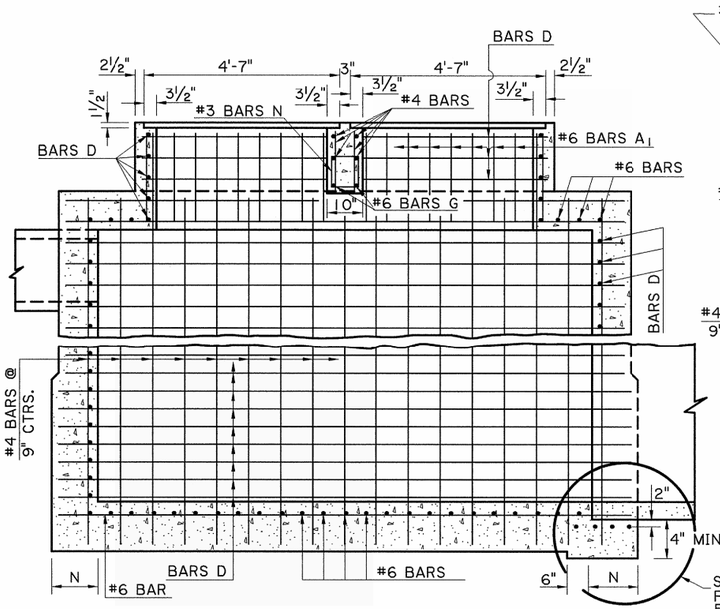
1. CATCH BASIN IS DESIGNED ACCORDING TO 4TH ED. 2007 AASHTO LRFD PROCEDURES. SECTION 702 OF THE DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. CONCRETE: ALL CONCRETE SHALL BE CLASS "M" MINOR STRUCTURE. ALL EXPOSED EDGES SHALL BE CHAMFERED ¾ IN. EXCEPT AS NOTED.
3. REINFORCING STEEL: REINFORCING STEEL SHALL 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 | | |
|---|---|---|---|
| | N | D BARS | |
| | IN. | SIZE | SPAC.,IN. |
| 0' TO 13' | 11.0 | 6 | 6.0 |
| 13'-1" TO 15' | 12.0 | 6 | 6.0 |
| 15'-1" TO 20' | 13.0 | 6 | 5.0 |

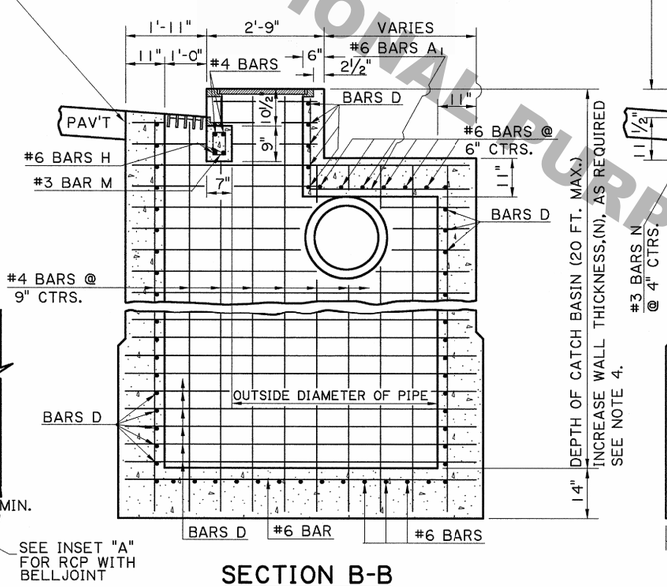
5. FOR DETAILS OF METAL COVER, FRAME, AND GRATE, SEE STD. PLAN MC-01, TYPE H & TYPE I.
6. THE CONTRACTOR WILL NOT POUR ABOVE THE BOTTOM OF THE SLAB UNTIL THE PAVING ADJACENT TO THE CATCH BASIN HAS BEEN COMPLETED.

STATE OF LOUISIANA
WILLIAM M. RAY
REG. No. 24936
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
6/7/11

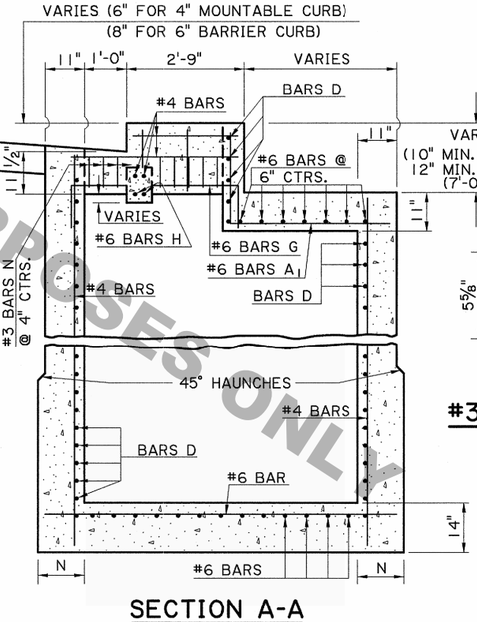



## SECTION D-D




## SECTION B-B

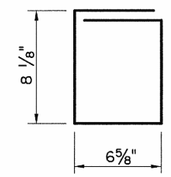



## SECTION A-A

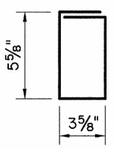
SHOWING MOUNTABLE CURB

## SECTION

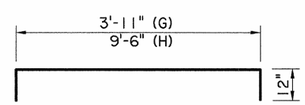
(SHOWING PAVEMENT SUMP TYPICAL)



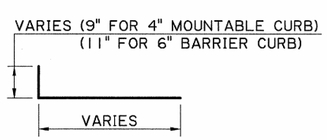

## #3 BARS N



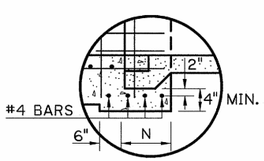

## #3 BARS M




## #6 BARS G & H

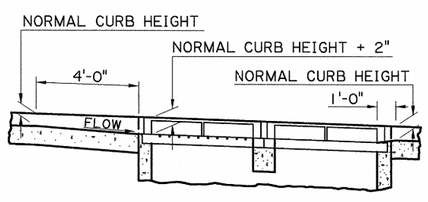



## #6 BARS A1

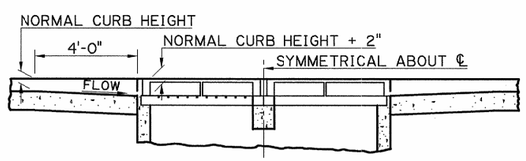



## INSET "A"

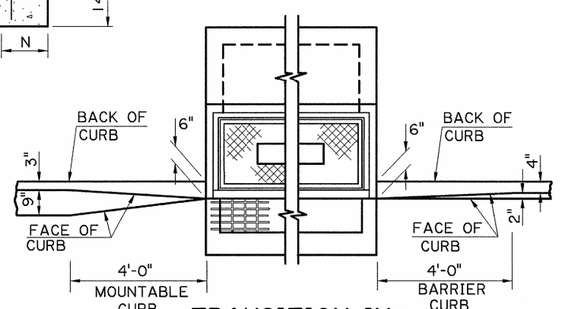
RCP WITH BELLJOINT




## TRANSITION IN CURB HEIGHT CATCH BASIN ON A GRADE




## TRANSITION IN CURB HEIGHT CATCH BASIN AT LOW POINT




## TRANSITION IN CURB WIDTH

(TYPICAL)

FOR INFORMATIONAL PURPOSES ONLY

| SHEET NUMBER | | | |
|---|---|---|---|
| PARISH | FEDERAL PROJECT | STATE PROJECT | |
| DESIGNED WMR | DETAILED KAJ | DATE 11-1-93 | |
| CHECKED | CHECKED WMR | SHEET 1 OF 1 | |

| NO. | DATE | REVISION DESCRIPTION | BY |
|---|---|---|---|
| 4 | 6-7-11 | Redrafted, Rev. to 2007 LRFD Proc., 20' Depth | WMR |
| 3 | 5-11-04 | Rev. Sheet Border, Dimensions | JDK |
| 2 | 8-24-99 | Changed depth of basin from 9' to 12' Max. | WMR |
| 1 | 3-23-98 | Scanned original and added name CB-SD08 | JCM |

CONCRETE CATCH BASIN
DOUBLE COMBINATION TYPE
Max. Pipes: 14'-6" X 14'-6"
Max. Depth: 20'

SPECIAL DETAIL CB-SD08

HYDRAULICS SECTION

IP_PWP:dms09538\CB-SD08.dgn