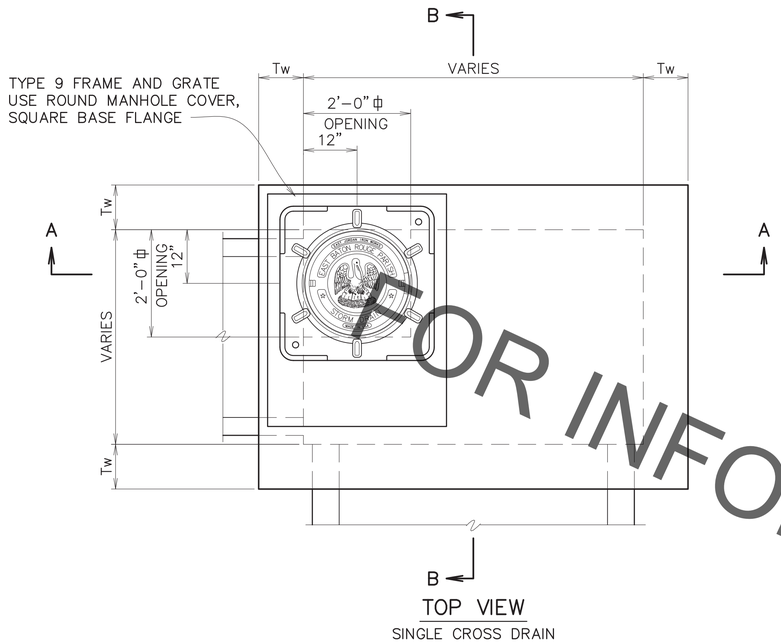
PROJECT NO.	SHEET



TOP VIEW

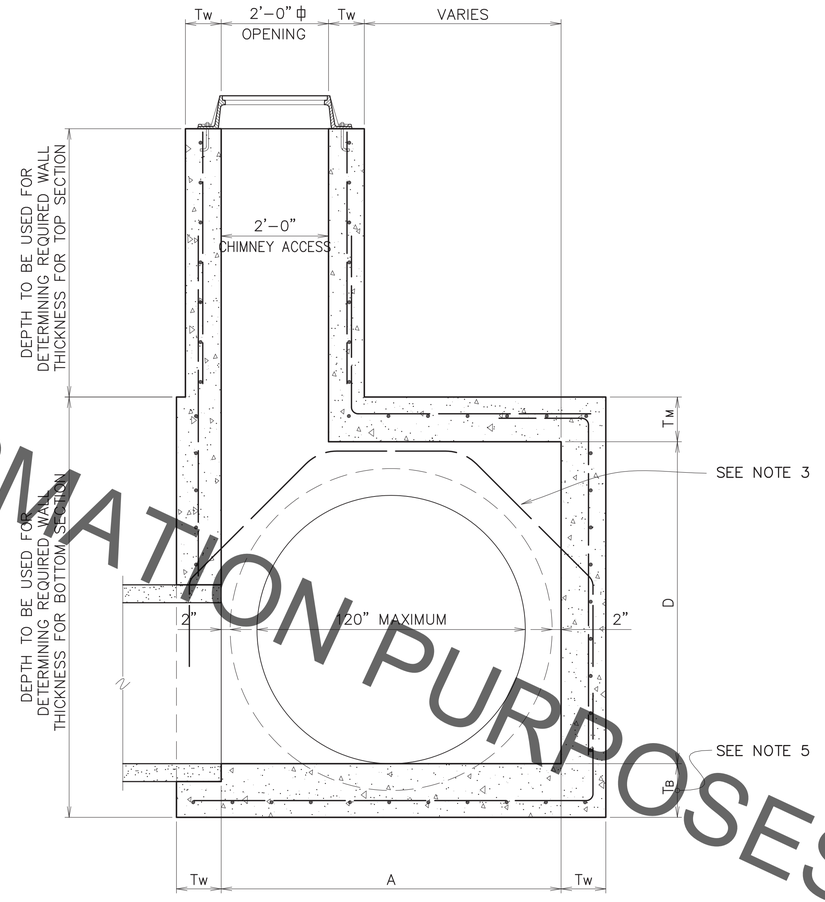
SINGLE CROSS DRAIN

SCALE: 3/4"=1'–0"

PIPE SIZE		DIMENSION			
ROUND PIPE	ARCH PIPE (ROUND EQUIV.)	A	B	D ROUND	D ARCH PIPE
36"	30"	4'–0"	4'–0"	3'–8"	2'–6"
42"	36"	4'–8"	4'–8"	4'–3"	2'–11"
48"		5'–2"	5'–2"	4'–9"	
54"	42"	5'–9"	5'–9"	5'–4"	3'–4"
60"	48"	6'–4"	6'–4"	5'–10"	3'–9"
	54"	6'–8"	6'–8"		4'–2"
72"	60"	7'–6"		6'–11"	4'–7"
84"	72"	8'–10"		8'–0"	5'–5"
96"	84"	10'–2"		9'–1"	6'–3"
108"		11'–0"		10'–2"	
120"	96"	12'–0"		11'–2"	7'–7"

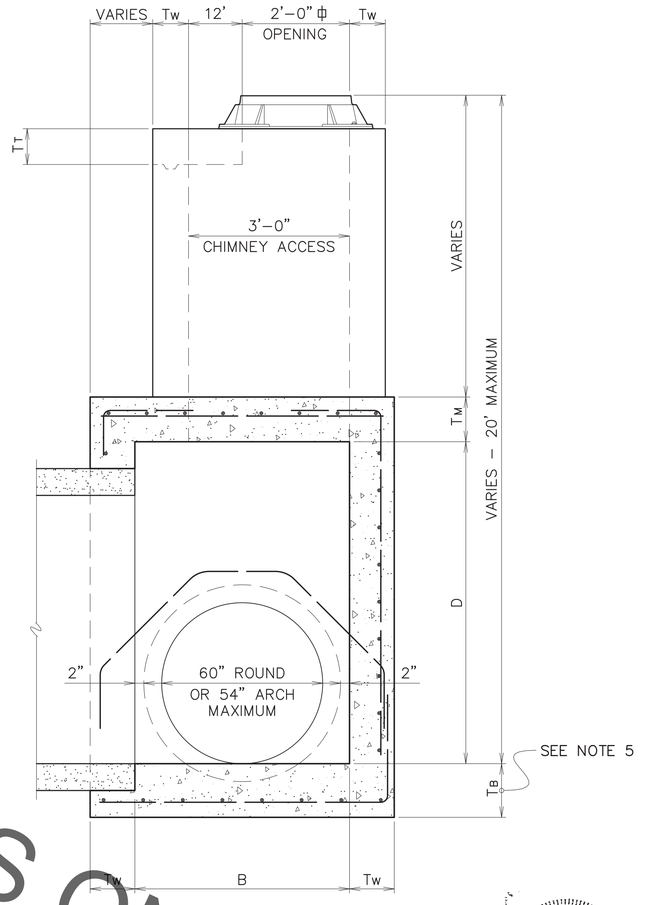
NOTE:

1. SEE STANDARD PLAN 702–99 FOR FRAME AND COVER DETAILS. TYPE 9 FRAME AND COVER REQUIRED.
2. PRECAST CONCRETE INLETS CONFORMING TO STANDARD PLAN 702–97 MAY BE FURNISHED.
3. DIAGONAL REINFORCEMENT REQUIRED FOR PIPE LARGER THAN 36". BARS SHALL LAP TO A FULL LENGTH VERTICAL BAR W/18d LAP LENGTH.
4. A & B DIMENSIONS MAY BE VARIED FOR SKEWED PIPE.
5. SEE STANDARD PLAN 702–96 FOR THICKNESS, REINFORCING STEEL, AND OTHER STRUCTURAL DETAILS.
6. SEE STANDARD PLAN 702–98 FOR FOR CURB TRANSITION DETAILS.



SECTION A–A

SCALE: 3/4"=1'–0"



SECTION B–B

SCALE: 3/4"=1'–0"

FOR INFORMATION PURPOSES ONLY

STATE OF LOUISIANA
THOMAS A. STEPHENS
License No. 19417
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/16/2015

DATE	DESCRIPTION REVISION	BY

STANDARD PLAN No.	DATED	SHT. No.
702–31	DEC. 6, 2010	1 OF 1

CONCRETE JUNCTION BOX MAXIMUM 120" PIPE CROSS MAXIMUM 60" PIPE SIDE

ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE

DESIGNED	DRAWN	CHECKED	APPROVED
GLP	GLP	GLP	T. STEPHENS