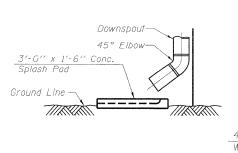
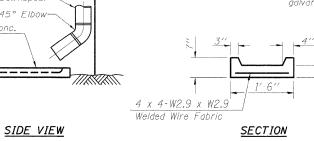
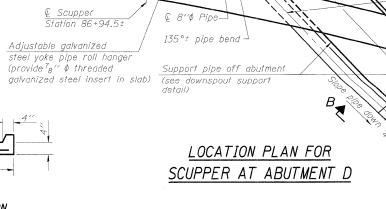


SECTION A-A SECTION B-B SIMILAR (OPP. HAND)







Front Face of Abutment D

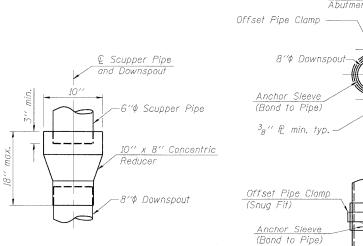
r— € Girder G4

Curb Line

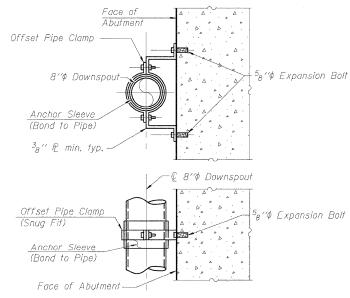
Fascia Line

-Cleanout V В

## SPLASH PAD DETAIL



COLLECTOR FITTING DETAIL



DOWNSPOUT SUPPORT DETAIL

## NOTES:

- 1. All pipes and fittings shall be reinforced fiberglass according to ASTM D 2996 RTRP with a 30,000 psi minimum short-time rupture strength hoop tensile stress.
- 2. All pipe supports and associated hardware shall be hot-dip galvanized according to AASHTO M 232.

-Face of Abutment D Backwall

bridge seat

© Pipe to be set 1'-2" below the topof the

€ 8" ¢ Downspout

North End Face

of Abutment D

—@ Brg. Abutment D

- 3. Expansion bolts shall conform to the requirments of ASTM A 307 and shall be galvanized according to AASHTO M 232.
- 4. The contractor shall take appropriate precautions to assure that Protective Coat is not applied to the scupper.
- 5. All costs associated with the installation of the downspouts, fittings, hardware, splash pads, and incidental items shall be included in the lump sum price for "Drainage System".
- 6. The bottom 10 feet of the exposed vertical drainage pipe shall be ductile iron pipe. Ductile iron pipe shall conform to ASTM A377 and ductile iron fittings (castings) shall conform to ASTM A536. The cost of the ductile pipe and fittings shall be included in the lumpsum price for Drainage System.

FILE NAME = 0161093-SB23.dgn		DESIGNED -	LSD	REVISED -
<b>■</b>    • • • • • • • • • • • • • • • • • •		DRAWN -	JJN	REVISED -
UI JACOBS		CHECKED -	TNS	REVISED -
	PLOT DATE = 1/12/2009	DATE -	1/13/09	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	BRIDGE	DRAINAGE	SYSTEM	F
F.A.		CONNECTOR (AT I- RUCTURE NO. 016-:	55 FRONTAGE ROAD B) 1093	
	SHEET NO. SB23	OF SB24 SHEETS	STA. 85+60.68	

FED. RO	DAD DIST	. NO.	7	ILLIN	015	FED.	AID	PROJECT		
								CONTRAC	T NO. (	62197
392	2 1717-2-3B-R					COOK	114	101		
F.A.P. RTE.	F.A.P. SECTION						COUNTY	TOTAL SHEETS	SHEET NO.	