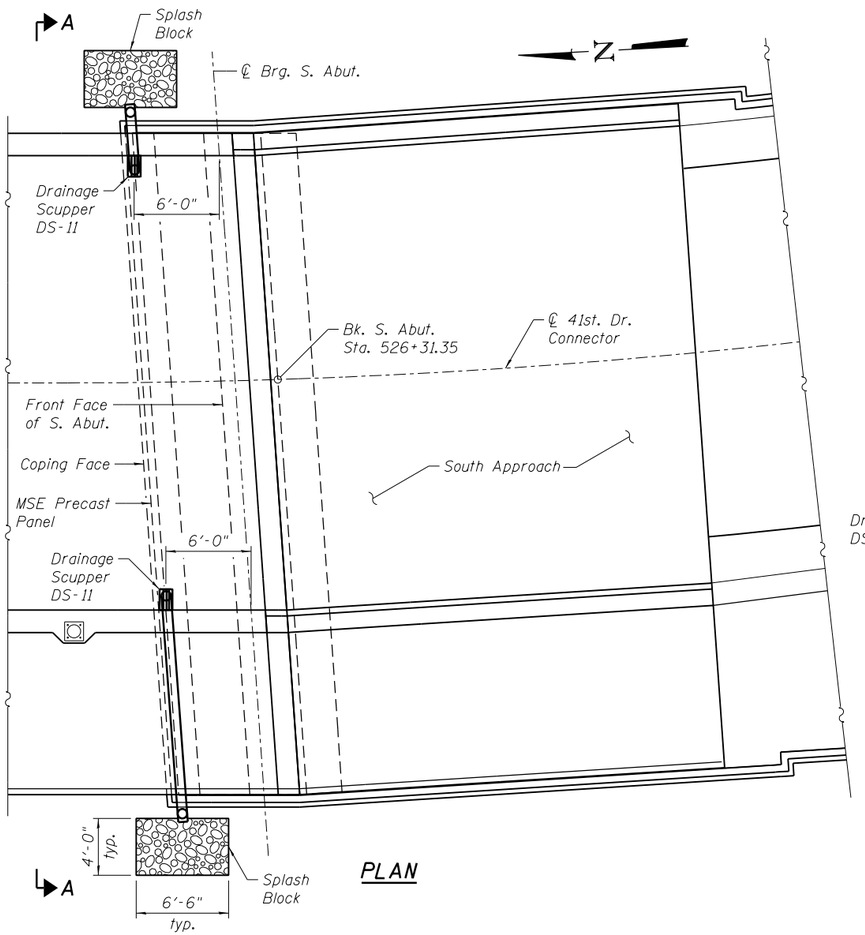
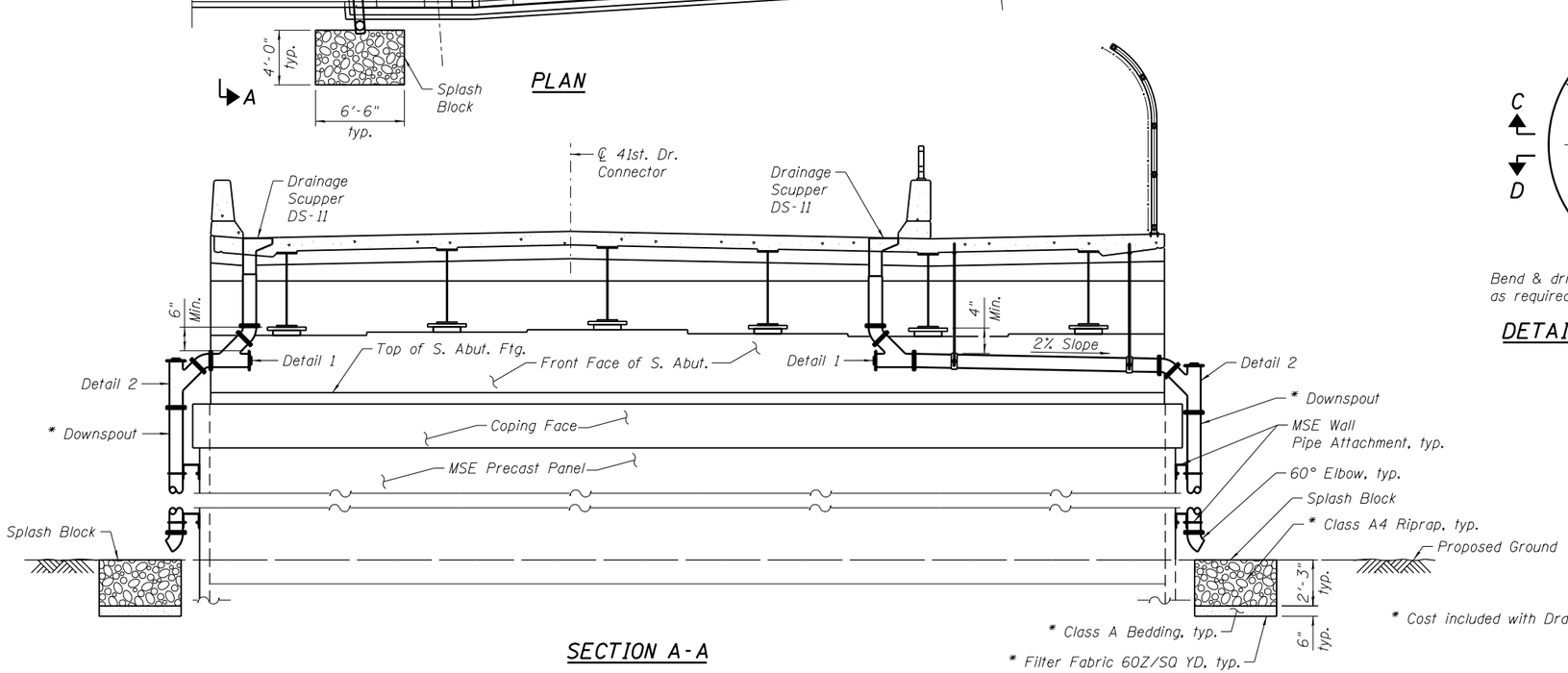
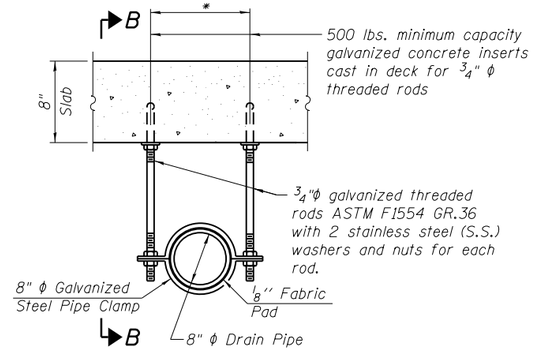


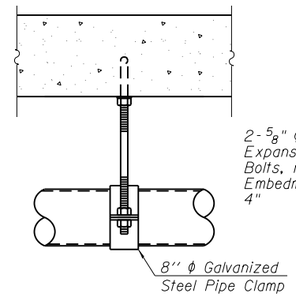
PLAN



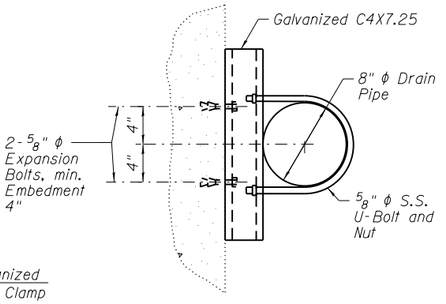
SECTION A-A



COLLECTOR PIPE HANGER DETAIL

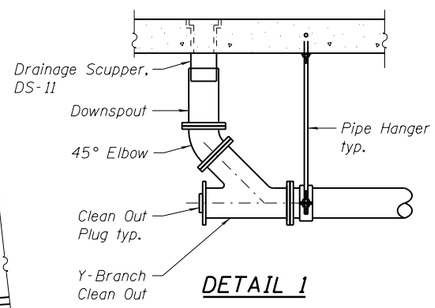


VIEW B-B

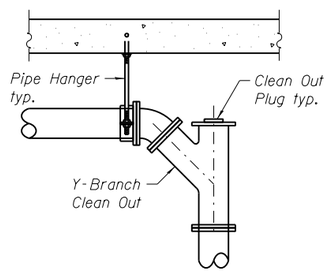


VIEW E-E

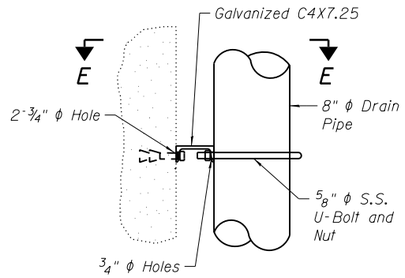
* Dimension as required by Pipe Clamp



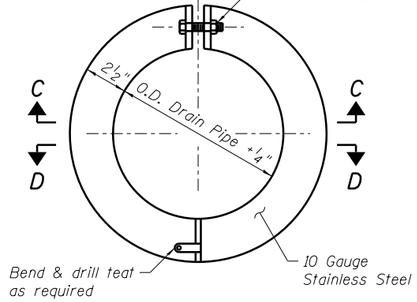
DETAIL 1



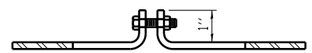
DETAIL 2



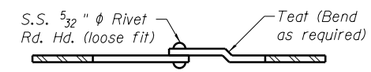
MSE WALL
PIPE ATTACHMENT DETAILS



DETAIL OF EXPANSION COLLAR



SECTION C-C



SECTION D-D

NOTES:

1. Drain pipes and fittings shall be 8" ϕ.
2. Provide structural support from proposed deck slab for drain pipe per manufacturer's recommendation, not to exceed 5' cts. Cost included with "Drainage System".
3. Steel straps, bars and plates shall meet the requirements of AASHTO M270, Grade 36 or 50.
4. All pipes, pipe fittings and brackets needed shall be included with cost of "Drainage System".
5. Work this sheet with Sheet S-15.
6. Color of fiberglass pipe shall be blue.

* Cost included with Drainage System

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage System	L. Sum	1

Clorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue
Suite 402 Chicago, Illinois 60656
Tel. 773.775.4605
Fax 773.775.4514
Email dlk@cgo@clorba.com

USER NAME = mteng	DESIGNED - MHT	REVISED -	
	CHECKED - BWS	REVISED -	
PLOT SCALE = 10:8 ':' / in.	DRAWN - RD	REVISED -	
PLOT DATE = 3/11/2013	CHECKED - BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLOSED DRAINAGE SYSTEM DETAILS
STRUCTURE NO. 081-0176
SHEET NO. S-16 OF S-27 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-1)R & 142-1HB	ROCK ISLAND	507	315
		CONTRACT NO. 64B84		
	ILLINOIS FED. AID PROJECT			

N:\PROJ_\0003393.00\CONTRACT_1\Design\Structural\CAD\081-0176-D264B84-16-Closed Drainage System Details.dgn