

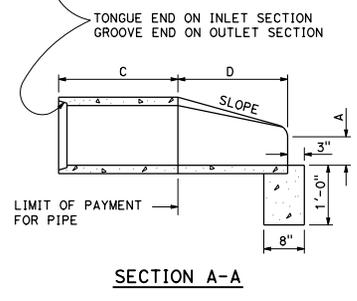
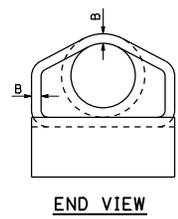
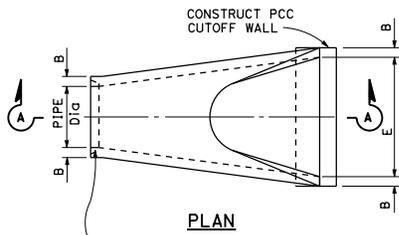
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

October 30, 2015  
PLANS APPROVAL DATE

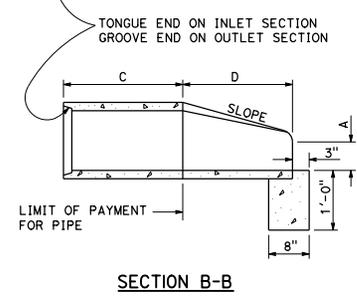
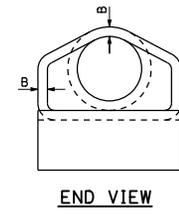
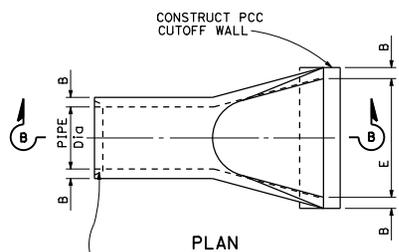
BRUCE D. SWANGER  
No. C61257  
Exp. 6-30-17  
CIVIL  
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PIPE Dia	MINIMUM DIMENSIONS					SLOPE
	A	B	C	D	E	
12"	4"	1 3/4"	SEE NOTE 2	2'-0"	2'-0"	2:1 OR FLATTER
18"	9"	2 1/4"		2'-3"	3'-0"	
24"	9 1/2"	2 3/4"		3'-7 1/2"	4'-0"	
30"	1'-0"	3 1/4"		4'-6"	5'-0"	
36"	1'-3"	3 3/4"		5'-3"	6'-0"	
42"	1'-9"	4 1/4"		5'-3"	6'-6"	
48"	2'-0"	4 3/4"	6'-0"	7'-0"		
54"	2'-3"	5 1/4"	5'-5"	7'-6"		

**PRECAST CONCRETE FLARED END SECTION TYPE A**



PIPE Dia	MINIMUM DIMENSIONS					SLOPE
	A	B	C	D	E	
12"	4"	1 1/2"	SEE NOTE 2	1'-10"	2'-0"	2:1 OR FLATTER
18"	9"	1 3/4"		2'-1"	3'-0"	
24"	9 1/2"	2 1/4"		3'-6"	4'-0"	
30"	1'-0"	2 3/4"		4'-5"	5'-0"	
36"	1'-3"	3 1/4"		5'-2"	6'-0"	
42"	1'-9"	3 1/2"		5'-3"	6'-6"	
48"	2'-0"	4"	6'-0"	7'-0"		
54"	2'-3"	4 3/8"	5'-6"	6'-10"		

**PRECAST CONCRETE FLARED END SECTION TYPE B**

- NOTES:**
- Contractor has the option of using either Type A or B precast concrete flared end section.
  - "C" dimension varies by manufacturer and will be paid for as concrete pipe.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**CONCRETE FLARED  
END SECTIONS**  
NO SCALE

**D94B**