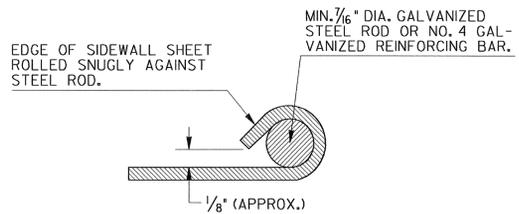
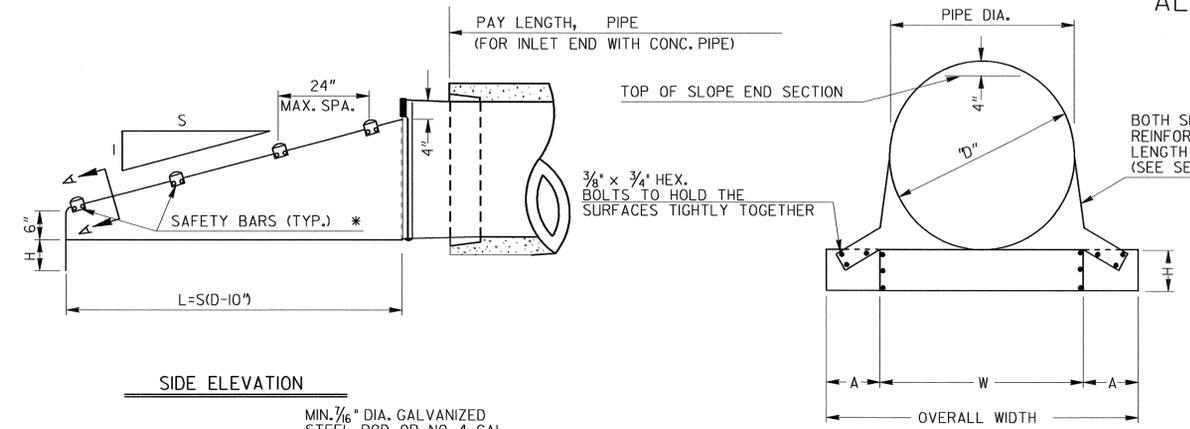


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	97100-0001-00(769)	326	434

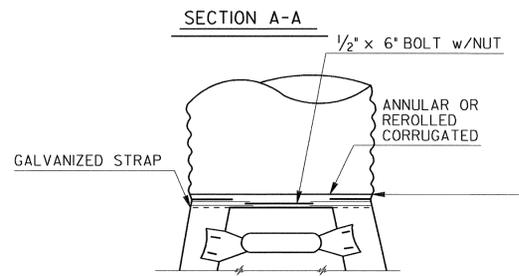
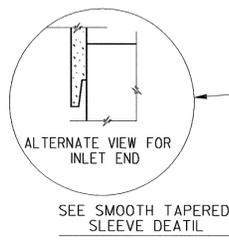
ALTERNATE 1

* NUMBER OF BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION. SPACINGS BETWEEN CENTERS OF BARS SHALL NOT EXCEED 24 INCHES.

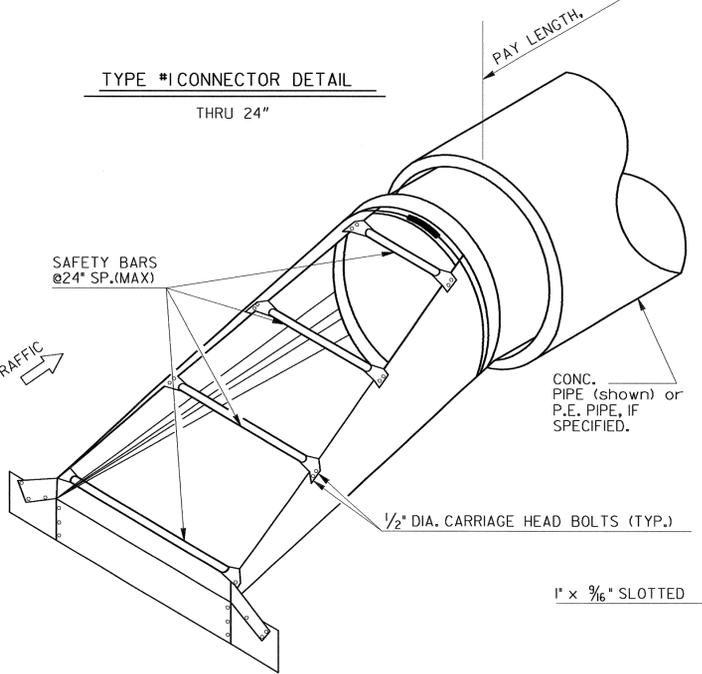
BOTH SIDES SHALL HAVE A REINFORCED EDGE FULL LENGTH OF END SECTION (SEE SECTION A-A)



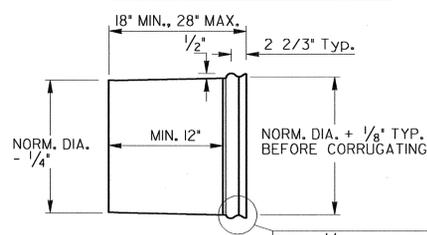
NOTE: Payment for Safety End Section shall include Tapered Sleeve.



TYPE #1 CONNECTOR DETAIL THRU 24"

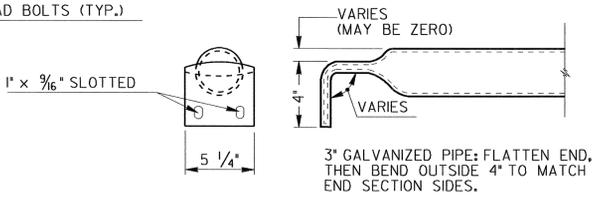


TAPERED SLEEVE FOR ATTACHING STEEL END SECTIONS TO SMOOTH PIPE

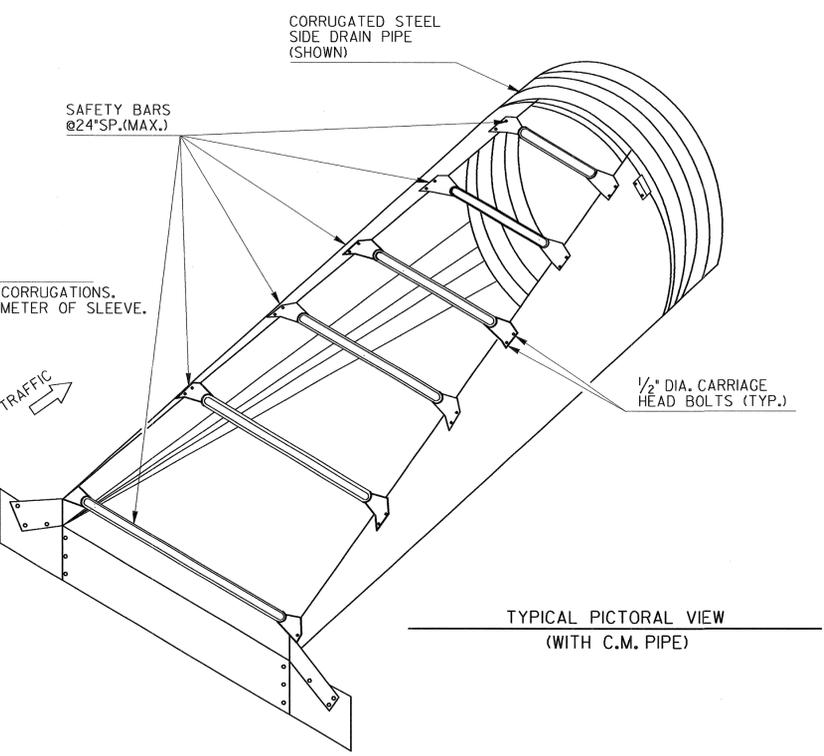


NOTE: METAL TO BE 12 GAGE SMOOTH GALVANIZED IN ACCORDANCE WITH AASHTO M218-AND COATED AS REQUIRED FOR END SECTION.

TYPE 4 CONNECTOR SMOOTH TAPERED SLEEVE DETAIL



TYPICAL DETAIL OF SAFETY BARS



TYPE #2 CONNECTOR DETAILS FOR 30" AND LARGER

TYPE 3 ALTERNATE CONNECTOR (NOT SHOWN) A DIMPLE BAND COLLAR MAY BE SHOP BOLTED TO THE END SECTION

GENERAL NOTES ALTERNATE 1

GALVANIZED STEEL SHEET
USE GALVANIZED STEEL SHEET CONFORMING TO AASHTO M 218.

CONNECTORS
PAYMENT FOR END SECTION SHALL INCLUDE CONNECTION OF THE TYPE REQUIRED FOR THE SIDE DRAIN USED.

SAFETY BARS
SHALL BE 3" SCHEDULE 40 GALVANIZED STEEL PIPE. PIPE TO BE GALVANIZED AFTER FORMING. SAFETY BAR(S) SHALL BE REQUIRED FOR ALL SAFETY END SECTIONS.

MISCELLANEOUS DETAILS
DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S REQUIREMENTS, SUBJECT TO APPROVAL BY THE D.O.T.'S LABORATORY. A SAMPLE MUST BE SUBMITTED TO PRE-QUALIFY THE PRODUCT.

SIZES, DIMENSIONS, AND THICKNESSES										
PIPE DIA. (IN.)	MIN. THICK. IN.	DIMENSIONS (INCHES)				* L DIMENSION				
		GAGE	A	H	W (D+6")	OVERALL WIDTH	SLOPE (S+1)	LENGTH (IN.)	SLOPE (S+1)	LENGTH (IN.)
15	.064	16	8	6	21	37	4:1	20	6:1	30
18	.064	16	8	6	24	40	4:1	32	6:1	48
24	.064	16	8	6	30	43	4:1	56	6:1	84
30	.109	12	12	9	36	60	4:1	80	6:1	120
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228

*SEE STD. NO. 9031T FOR SLOPES AT SIDE ROAD OR AT DRIVES.

SPECIAL NOTE:

WHERE THE LENGTH OF DITCH OR THE DISTANCE BETWEEN TOE POINTS OF END SECTIONS ON SEPARATE INSTALLATIONS WOULD BE LESS THAN 30 FT., CONTINUED S.D. PIPE WITH AN INTERMEDIATE INLET OR OTHER ALTERNATE MAY BE SPECIFIED INSTEAD.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
STANDARD SAFETY END SECTION (METAL) (FOR SIDE DRAIN PIPE-OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE)			
ALTERNATE 1			
NO SCALE		SEPT., 1993	
DESIGNED	(SUBMITTED)	NUMBER	
DRAWN	STATE ROAD & AIRPORT DESIGN ENGINEER	1122	
TRACED	(APPROVED)	SHEET 1 OF 3	
CHECKED	CHIEF ENGINEER		