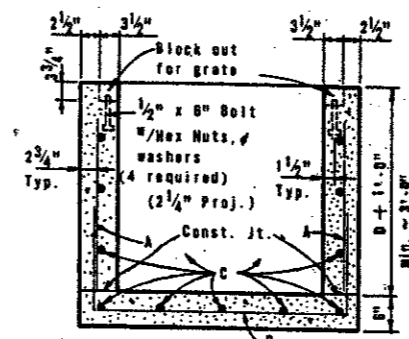
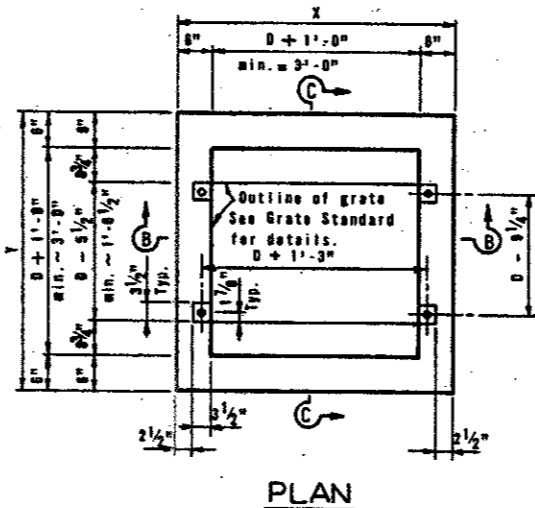
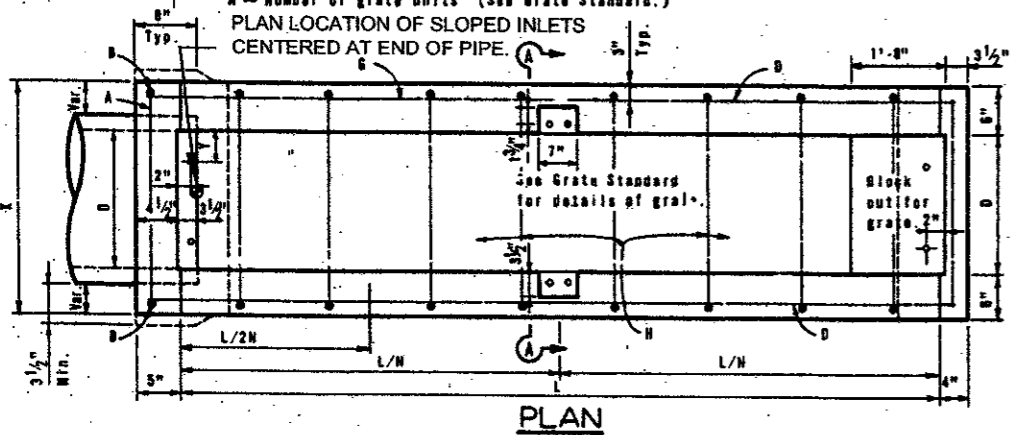
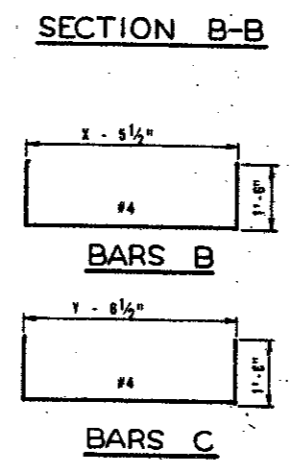
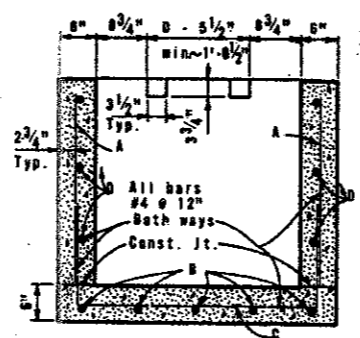
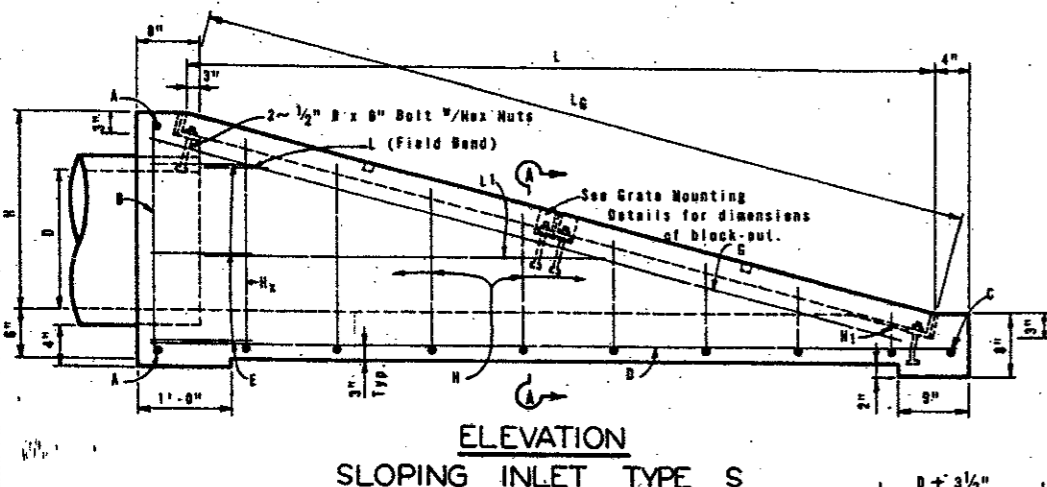


SLOPE	Y	N	DIAM OF PIPE - D	TABLE OF DIMENSIONS			BILL OF REINFORCING STEEL FOR SLOPING INLET																								TOTAL QUANT.																						
				X	H	L	BARS A			BARS B			BARS C			BARS D			BARS E			BARS G			BARS H AV			BARS L			BARS LI AV		LBS	CONC. C.Y.																			
				NO	SIZE	SPA	LGTH	WT.	NO	SIZE	SPA	LGTH	WT.	NO	SIZE	SPA	LGTH	WT.	NO	SIZE	SPA	LGTH	WT.	NO	SIZE	SPA	LGTH	WT.	NO	SIZE	SPA	LGTH			WT.	NO	SIZE	SPA	LGTH	WT.													
6:1	4 1/2"	2	18"	2'-6"	2'-1 1/2"	12'-9"	2	#4	-	2'-3"	3	2	#4	-	2'-5"	3	1	#4	-	2'-3"	2	3	#4	12"	13'-3"	27	6	#4	12"	2'-6"	10	2	#4	-	13'-5"	18	12	#4	12"	4'-5"	35	2	#4	12"	2'-0"	3	2	#4	12"	6'-10"	9	110	1.1
4:1	5"	2	24"	3'-0"	2'-8"	10'-8"	2	#4	-	2'-10"	4	2	#4	-	3'-0"	4	1	#4	-	2'-9"	2	4	#4	12"	11'-2"	30	8	#4	12"	2'-6"	13	2	#4	-	11'-5"	16	15	#4	12"	5'-6"	55	2	#4	12"	2'-0"	3	2	#4	12"	9'-10"	13	140	1.5
6:1	5 1/2"	3	30"	3'-6"	3'-2 1/2"	19'-3"	2	#4	-	3'-5"	5	2	#4	-	3'-9"	5	1	#4	-	3'-3"	2	4	#4	12"	9'-9"	53	8	#4	12"	2'-6"	13	2	#4	-	20'-0"	27	19	#4	12"	6'-6"	83	2	#4	12"	2'-0"	3	4	#4	12"	10'-1"	27	218	2.4
4:1	6"	3	36"	4'-0"	3'-9"	15'-0"	2	#4	-	4'-0"	5	2	#4	-	4'-2"	5	1	#4	-	3'-9"	3	5	#4	12"	15'-6"	52	10	#4	12"	2'-6"	17	2	#4	-	15'-9"	21	22	#4	12"	7'-7"	111	2	#4	12"	2'-0"	3	6	#4	12"	13'-9"	55	272	2.9
6:1	6 1/2"	3	42"	4'-6"	4'-3 1/2"	25'-9"	2	#4	-	4'-7"	6	2	#4	-	4'-9"	6	1	#4	-	4'-3"	3	5	#4	12"	26'-3"	88	10	#4	12"	2'-6"	17	2	#4	-	26'-8"	36	25	#4	12"	8'-7"	143	2	#4	12"	2'-0"	3	6	#4	12"	13'-10"	55	357	4.4
6:1	4 1/2"	4	48"	5'-0"	4'-10"	29'-0"	2	#4	-	5'-2"	7	2	#4	-	5'-4"	7	1	#4	-	4'-9"	3	6	#4	12"	29'-6"	118	12	#4	12"	2'-6"	20	2	#4	-	29'-10"	40	29	#4	12"	9'-7"	186	2	#4	12"	2'-0"	3	8	#4	12"	14'-5"	77	461	5.7

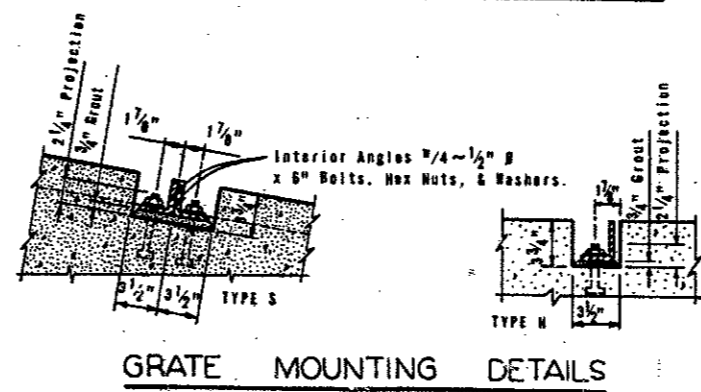
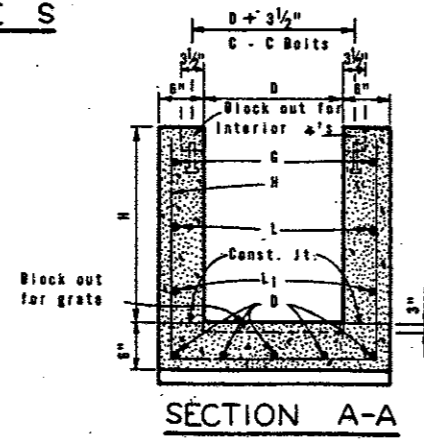
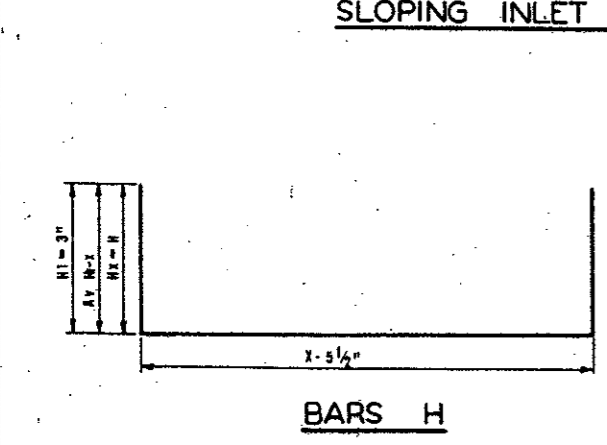
Note: For pipe sizes of 21", 27", and 33" use inlets for pipe sizes 24", 30", and 36" respectively.  
 N = Number of grate units (See Grate Standard.)



**GENERAL NOTES**  
 Quantities shown hereon are for the Contractor's information only. Unless otherwise shown in the plans, payment will be made for each inlet of the Type specified. Exposed edges shall be chamfered 3/4". Alternate design drawings bearing the seal of a registered professional engineer will be acceptable for precast construction of inlets. Shop drawings will not be required. The contractor may with the approval of the Engineer furnish inlets of equivalent structural design. In areas of conflict between reinforcing steel, blockouts, pipes, anchor bolts or other reinforcing steel, the reinforcement shall be bent or adjusted to clear as directed by the Engineer. If possible, horizontal grate inlet should be oriented such that both traffic and ditch water approach parallel to bars on grate. If this is not possible, orientation should favor traffic flow.



Connecting pipes should enter within 10° of normal to inlet wall. If necessary, pipe elbow or curved approach alignment should be used to stay within this limit.  
 The pipe diameter, "D", to be used in determining horizontal dimensions of Type "H" inlet, shall be the largest pipe entering or exiting the inlet which would control that particular wall dimension. For vertical dimension, use largest "D" or 1'-0" above highest pipe soffit as a minimum dimension.



SEAL APPLIES TO CLOUDED ITEMS ONLY

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION  
**SLOPING INLET TYPE S AND HORIZONTAL INLET TYPE H**  
 IL-S IL-H

ORIGINAL DRAWING DATE: DEC. 1977  
 REVISIONS: 6  
 FEDERAL AID PROJECT: 6  
 COUNTY: [ ]