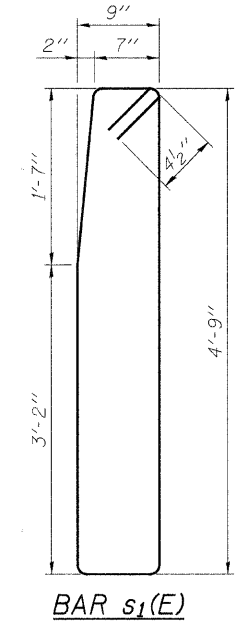
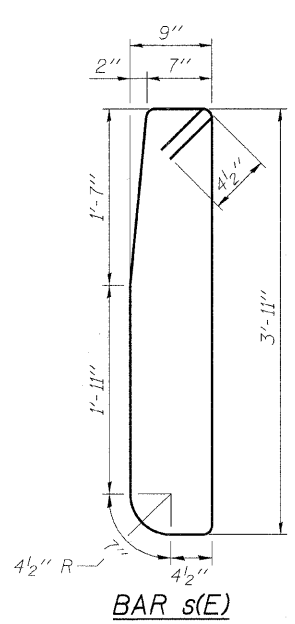
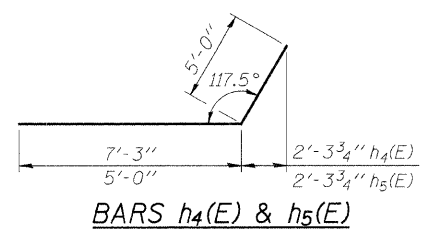
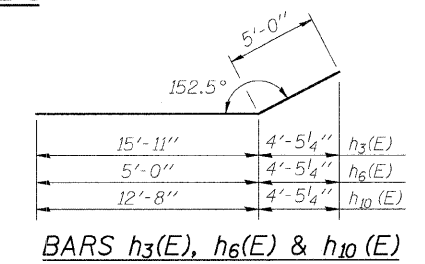
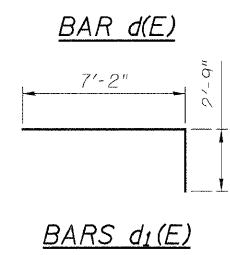
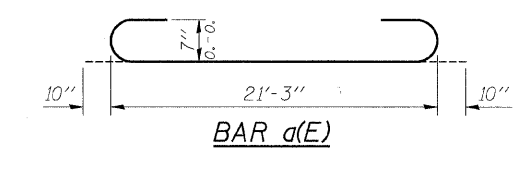


MINIMUM BAR LAP SIZE	LAP
#4	1'-8"
#5	2'-2"
#6	2'-7"
#7	3'-5"
#8	4'-6"



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	200	#7	22'-11"	U
a1(E)	100	#7	11'-3"	U
a2(E)	200	#4	6'-4"	U
a3(E)	96	#7	5'-2"	U
a4(E)	32	#7	25'-11"	U
d(E)	42	#4	4'-6"	U
d1(E)	56	#4	9'-11"	U
h(E)	66	#4	40'-6"	U
h1(E)	214	#5	40'-6"	U
h2(E)	40	#6	24'-8"	U
h3(E)	14	#5	20'-11"	U
h4(E)	24	#5	12'-3"	U
h5(E)	32	#5	10'-0"	U
h6(E)	24	#7	10'-0"	U
h7(E)	27	#4	6'-3"	U
h8(E)	29	#4	12'-5"	U
h9(E)	70	#4	16'-1"	U
h10(E)	6	#7	17'-8"	U
h11(E)	32	#6	4'-0"	U
s(E)	26	#4	9'-9"	U
s1(E)	26	#4	11'-7"	U
v(E)	334	#4	7'-2"	U
v1(E)	36	#4	11'-6"	U
v2(E)	36	#4	10'-8"	U
Concrete Box Culverts		Cu. Yds.	200.8	
Reinforcement Bars		Lbs.	33,480	
Name Plates		Each	1	
Porous Granular Embankment		Cu. Yds.	168	
Bar Splicers		Each	140	

NOTES:
 Class SI concrete shall be used throughout.
 Exposed edges shall be chamfered 3/4" unless otherwise noted.
 For Bar Splicer Details, See Structural Sheet 8 of 11.
 *Cut or adjust spacing around storm sewer pipes.