

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 11	*	MENARD	44	12
PROJECT 98-565(110)				
* 98-00047-00-RS				

GENERAL NOTES

Precast Concrete Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 273.

The minimum concrete strength shall be 5000 psi.

Reinforcement bars shall conform to the requirements of AASHTO M - 31, M - 42 or M - 53, Grade 60.

Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

For Section B-B see Sheet No. 13.

Work this sheet with Sheet No. 11 of 44 Sheets.

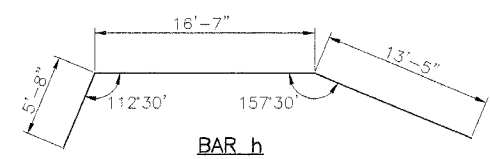
WATERWAY INFORMATION

Drainage Area - 0.76 Sq. Mi.
 Provided Opening - 40 Sq. Ft.
 Present Opening - 36 Sq. Ft.
 Design Discharge (20 Yr. Fl.) - 271 c.f.s.

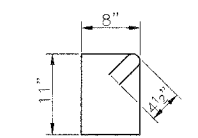
**CULVERT NO. 4
TWO END SECTIONS
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
a	20	#8	11'-4"	—
a1	8	#5	11'-4"	—
a2	32	#8	12'-1"	—
a3	14	#5	12'-1"	—
b	2	#4	18'-1"	—
b1	2	#4	22'-7"	—
b2	2	#4	27'-1"	—
b3	4	#4	31'-8"	—
h	2	#5	35'-8"	—
h1	6	#5	5'-8"	—
h2	6	#5	13'-5"	—
h3	24	#4	17'-8"	—
h4	24	#6	17'-8"	—
h5	4	#7	16'-8"	—
h6	4	#6	16'-8"	—
s	34	#4	3'-11"	□
v	42	#5	5'-4"	L
v1	18	#5	13'-2"	□
x	72	#4	5'-5"	—
x1	6	#4	38'-8"	□
* Class SI Concrete			Cu. Yd.	26.1
* Reinforcement Bars			Pound	4355
Precast Concrete Box Culvert 10'x4'(M273)			Foot	40
Bituminous Base Course Superpave 7"			Sq. Yd.	115
Rock Fill			Ton	186
Porous Granular Backfill			Cu. Yd.	172
Pavement Removal			Sq. Yd.	115
Box Culvert End Sections Culvert No. 4			Each	2
Removal of Existing Structures No. 4			Each	1

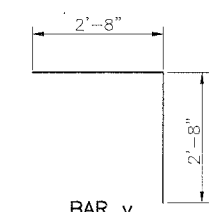
* Information Only



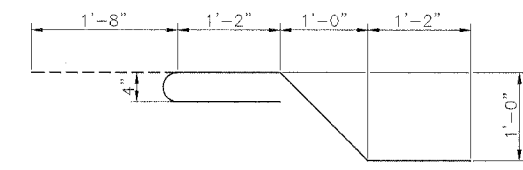
BAR h



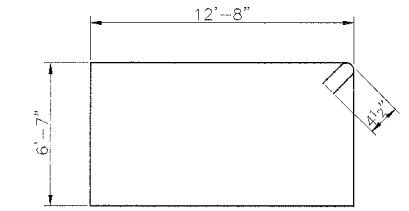
BAR s



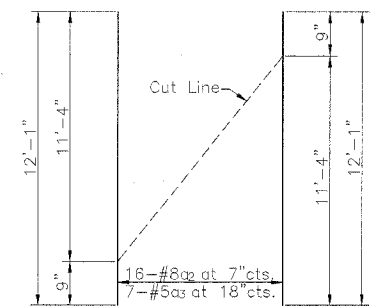
BAR v



BAR x

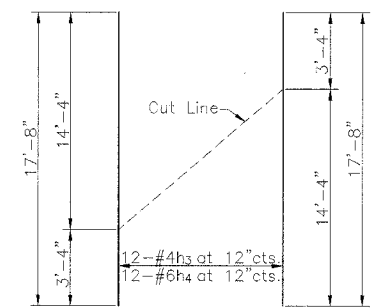


BAR x1



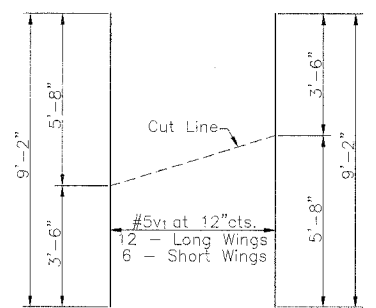
a2 & a3 BAR CUT DIAGRAM

Order a2 & a3 bars full length; Layout in field according to diagram. Cut a2 & a3 bars along cut line. Use remainder of each bar in opposite slab.



h3 & h4 BAR CUT DIAGRAM

Order h3 & h4 bars full length; Layout in field according to diagram. Cut h3 & h4 bars along cut line. Use remainder of each bar in opposite slab.



v1 BAR CUT DIAGRAM

Order v1 bars full length; Layout in field according to diagram. Cut h3 & h4 bars along cut line. Use remainder of each bar in opposite slab.

FILE NAME: M527004 (REV. 1/26/04)