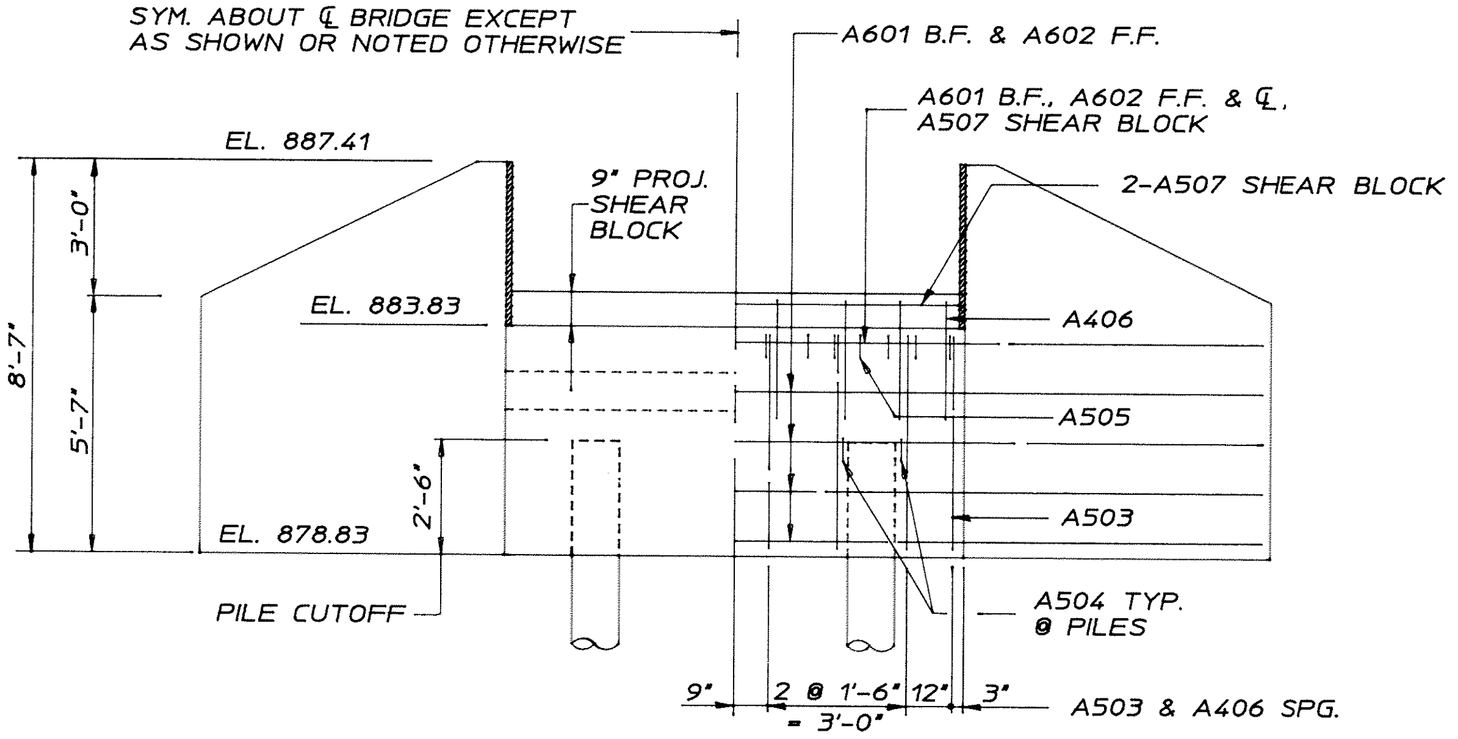
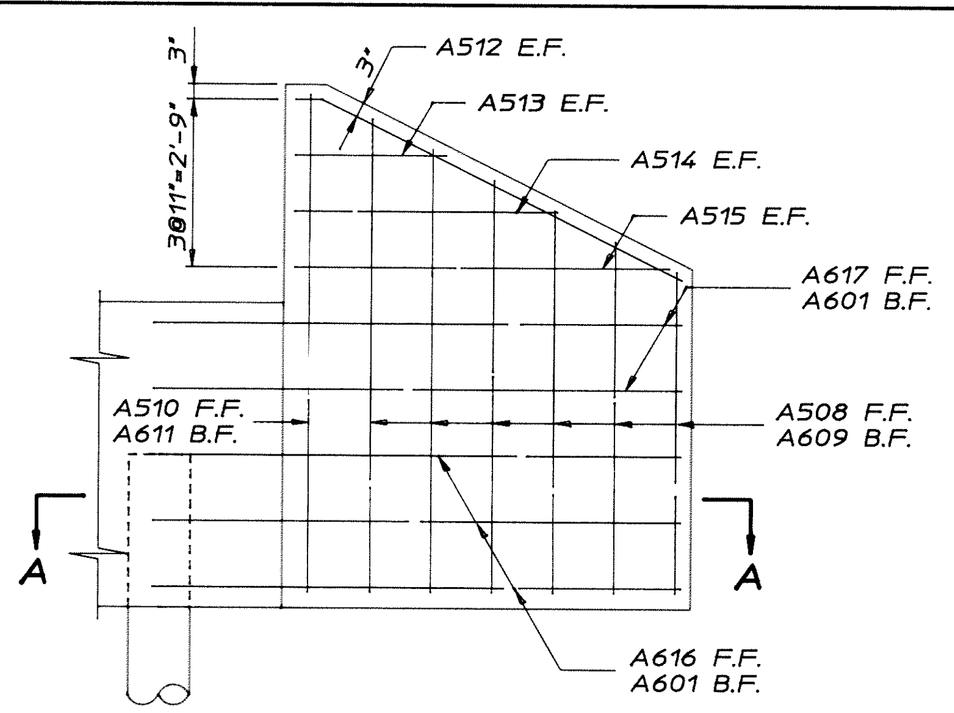


ELEVATION
SCALE: 3/8" = 1'-0"



WINGWALL ELEVATION
SCALE: 1/2" = 1'-0"

BILL OF REINFORCEMENT ~ 2 ABUTMENTS				
BAR	NO.	LENGTH	SHAPE	LOCATION
A601	10	23'-0"	STRT.	CAP ~ HORIZONTAL
A602	12	9'-8"	"	" "
A503	16	12'-5"	BENT	" ~ STIRRUP
A504	8	3'-4"	"	" ~ TIE @ PILES
A505	28	4'-2"	"	" ~ TIE @ BRIDGE SEAT
A406	16	5'-0"	"	SHEAR BLOCK ~ TIE
A507	6	9'-8"	STRT.	" " ~ HORIZONTAL
(1) A508	12	13'-0"	"	WINGWALL ~ VERTICAL
(1) A609	12	13'-0"	"	" "
A510	4	8'-2"	"	" "
A611	4	8'-2"	"	" "
A512	8	7'-0"	BENT	" ~ HORIZONTAL
A513	8	2'-5"	STRT.	" "
A514	8	4'-3"	"	" "
A515	8	6'-1"	"	" "
A616	12	8'-11"	BENT	" "
A617	8	8'-9"	STRT.	" "

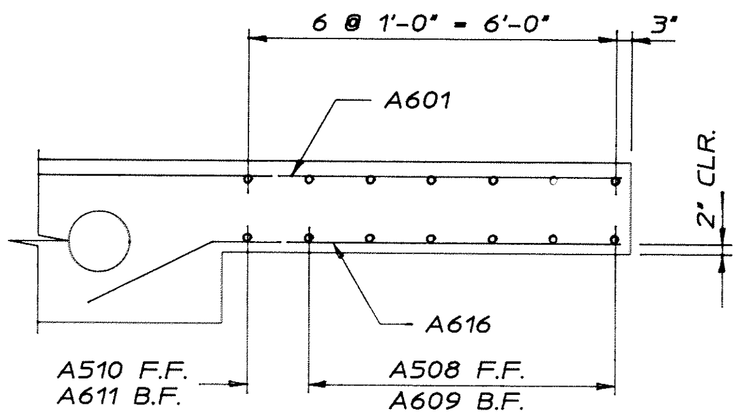
(1) CUT 2 FROM 1.

SUMMARY OF QUANTITIES ~ 2 ABUTMENTS		
STRUCTURE CONCRETE (3Y43)	22	CU. YD.
REINFORCEMENT BARS	1900	POUND
(4) STRUCTURE EXCAVATION	1	LUMP SUM
(2) B.M. DISK (STANDARD PLATE NO. 9300)		
(3) TREATED TIMBER PILING DELIVERED	110	LIN. FT.
(3) TREATED TIMBER PILING DRIVEN	110	LIN. FT.
TREATED TIMBER TEST PILES, 65 ' LG.	2	EACH

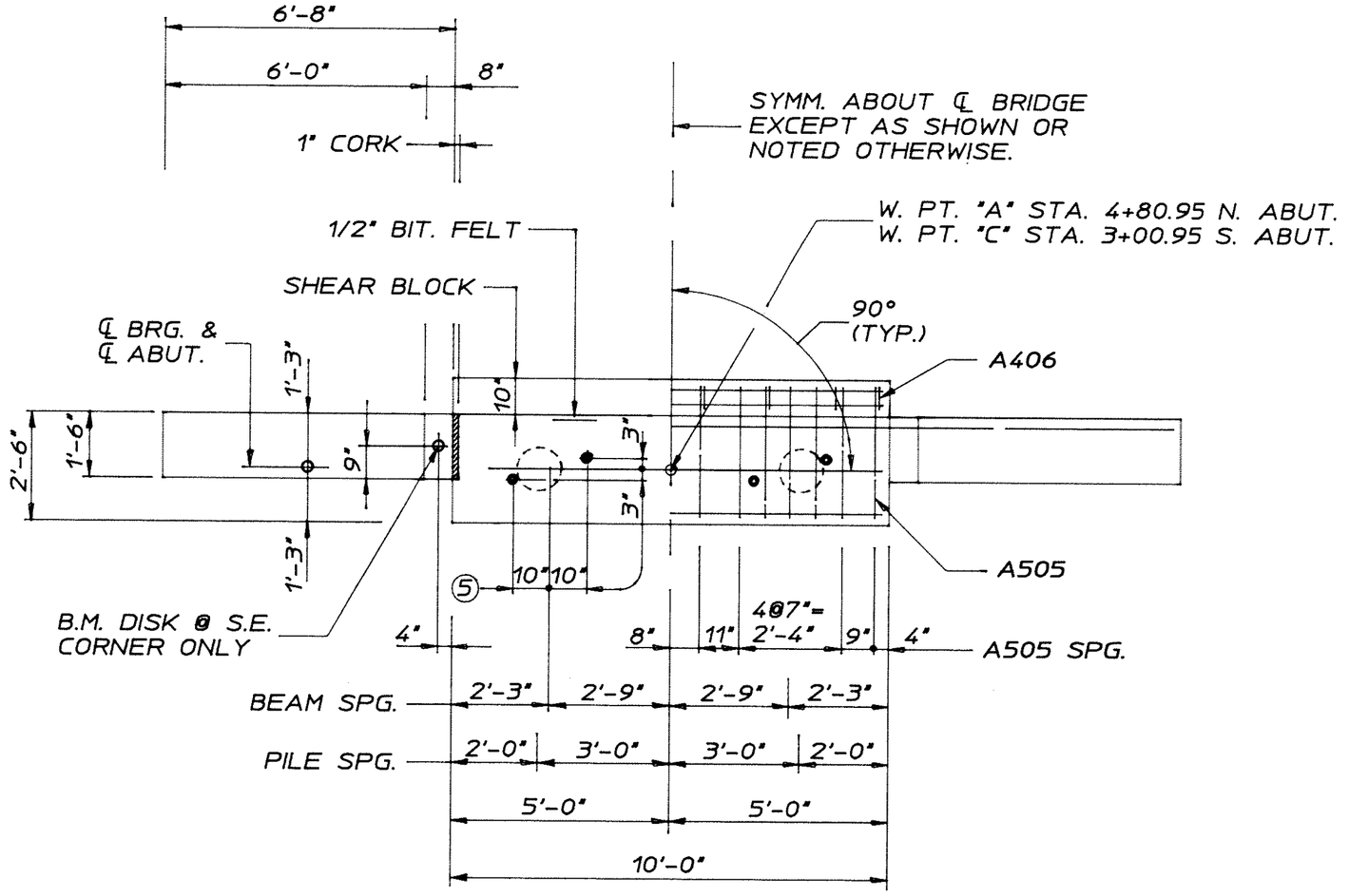
(2) COUNTY WILL FURNISH DISK. PAYMENT FOR PLACING IS TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS. SEE STANDARD PLATE NO. 9301 FOR PLACING.

(3) DOES NOT INCLUDE TEST PILES.

(4) SEE SPECIAL PROVISIONS.



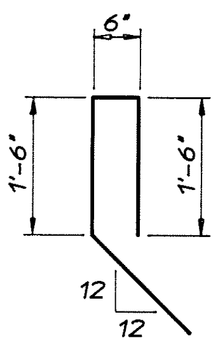
SECTION A-A
SCALE: 1/2" = 1'-0"



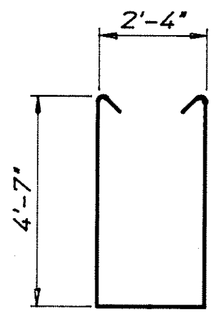
(5) ANCHOR ROD SPG. SEE DETAIL B357.

PLAN
SCALE: 3/8" = 1'-0"

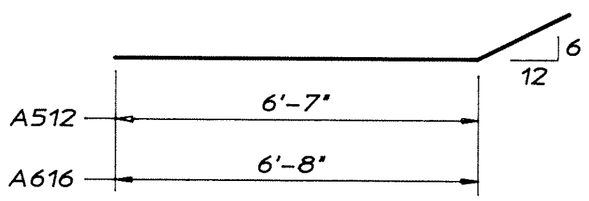
NOTE:
F.F. = FRONT FACE
B.F. = BACK FACE
E.F. = EACH FACE



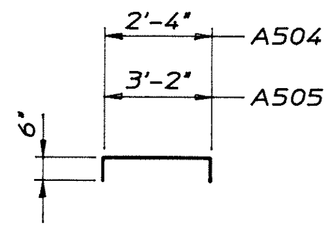
A406



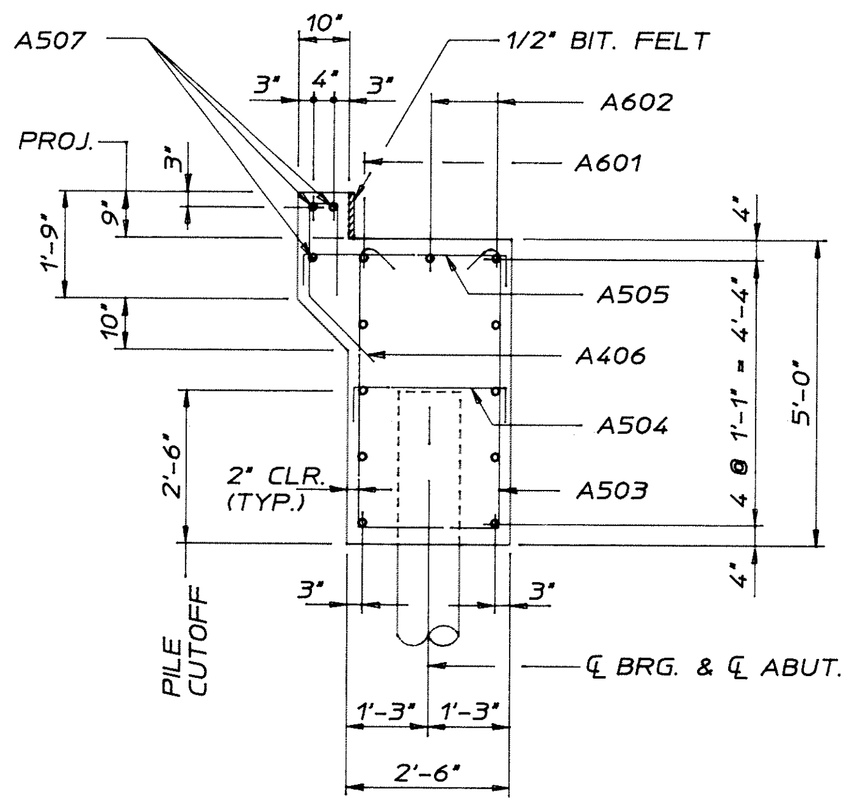
A503



A512 & A616



A504 & A505



SECTION THRU ABUTMENT
SCALE: 1/2" = 1'-0"

COMPUTED PILE LOADS ~ TONS PER PILE AT ABUTMENTS	
DEAD LOAD	19
LIVE LOAD	6
TOTAL	25

PILE NOTES:

2 - TRTD. TBR. PILES, 55' EST. LGTH.
2 - TRTD. TBR. TEST PILES, 65' LONG
4 - TRTD. TBR. PILES REQ'D FOR 2 ABUTS.

FOR TEST PILE LOCATIONS, SEE SURVEY SHEET.

MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 02555

ABUTMENT DETAILS

APPROVED:

PROJ. 85-05-116	02555	RMT
SHEET 2 OF 17 SHEETS		RRT