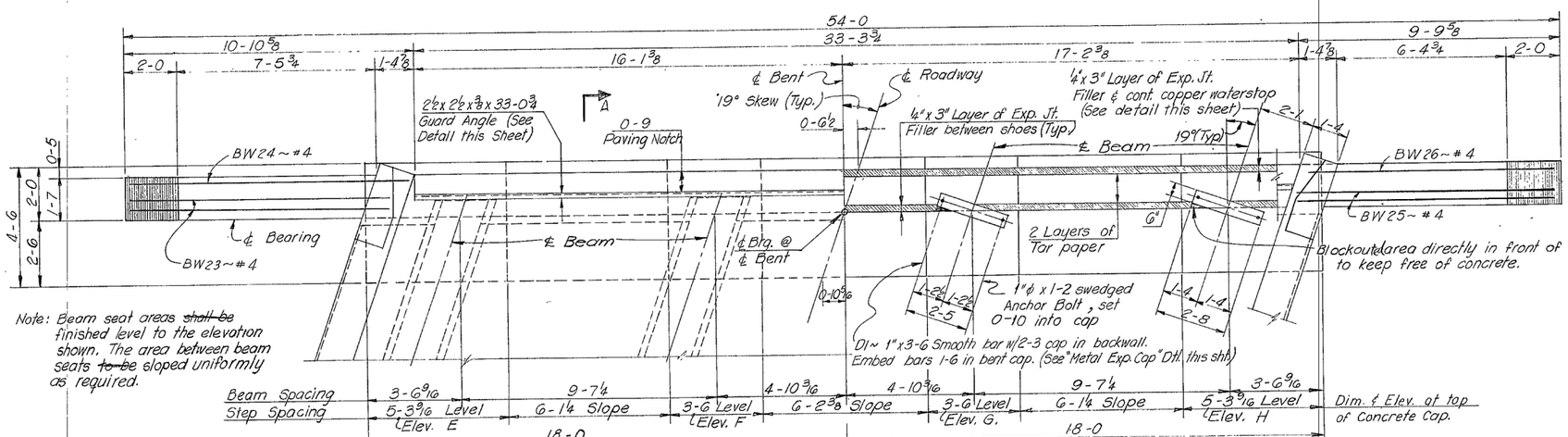
DIV. NO.		PROJ. NO.	
8	MONT.	I-15-6 (16)308	17

AS CONSTRUCTED

VTN INC., HELENA, MONTANA

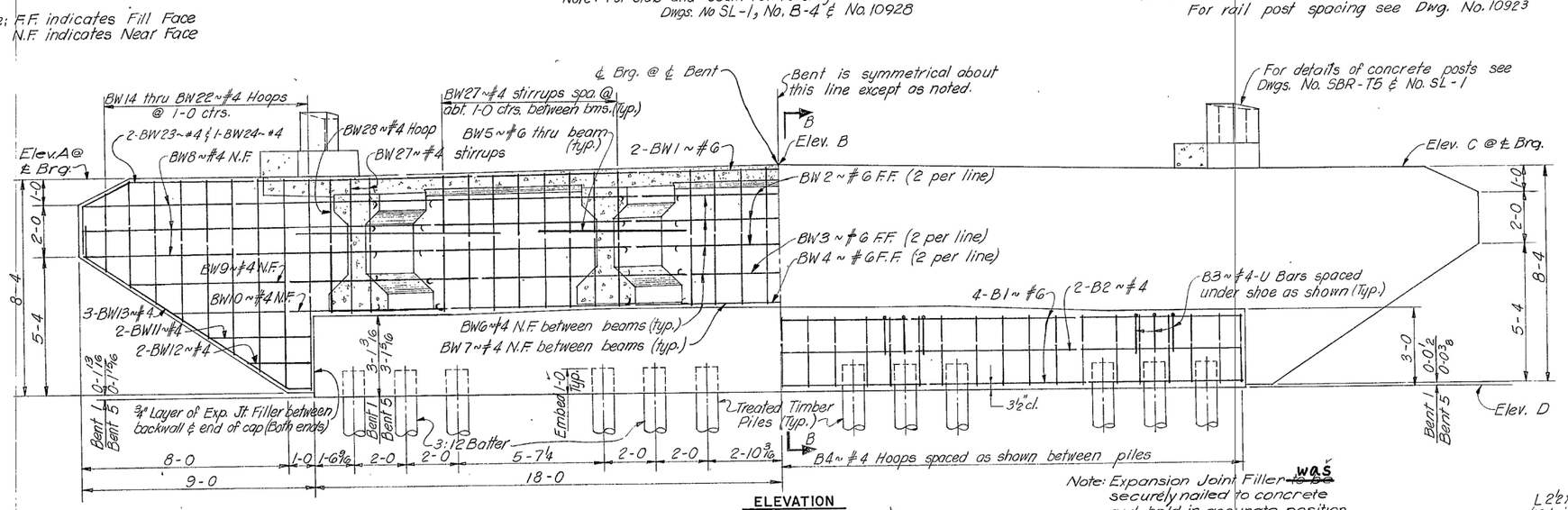


PLAN

Note: For slab and beam reinforcing steel see Dwgs. No SL-1, No. B-4 & No. 10928

Note: For rail connections and details see Dwg. No. SBR-T5. For rail post spacing see Dwg. No. 10923

Note: E.F. indicates Fill Face
N.F. indicates Near Face



ELEVATION
(Bent No. 1 - Back on line)
(Bent No. 5 - Ahead on line)

Note: Expansion Joint Filler ~~to be~~ was securely nailed to concrete and held in accurate position while pouring.

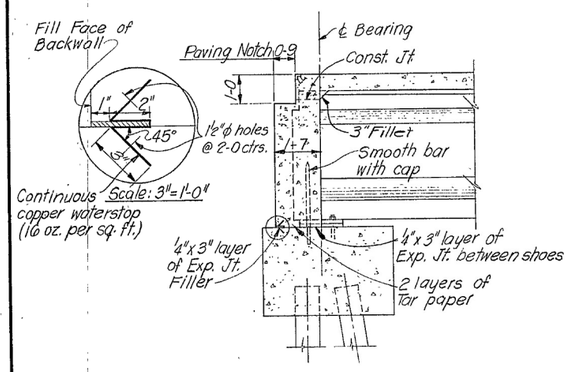
Note: The cost of furnishing and placing expansion jt. filler, tar paper, copper water stop and metal expansion caps ~~to be~~ included in the unit price for class "AD" concrete.

Note: Maximum Pile Pressure under:
D.L. + L.L. = 20.1 Tons/Pile

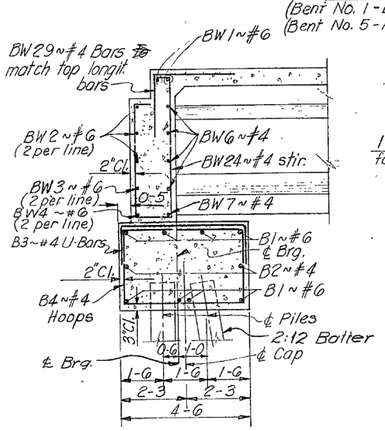
~~Estimated~~ Pile Length = ~~40'~~ 30' (Bent No. 1)
~~Estimated~~ Pile Length = ~~42'~~ 30' (Bent No. 5)
For Location of test pile see Dwg. No. 10924

Avg. Penet. 16.0 Pr. bore 13.0 = 29.0'
Avg. Penet. 23.5 Pr. bore 11.0 = 34.5'

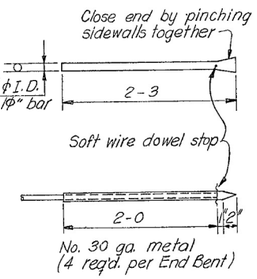
Note: Guard Angle ~~shall be~~ was furnished in two (2) pieces with end anchor bars 6" maximum from each end. The guard angle ~~if furnished in two pieces, shall be~~ was field welded and held in accurate position while concrete ~~is~~ was placed.



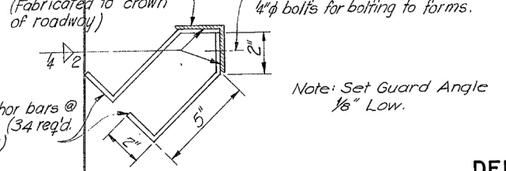
SECTION A-A



SECTION B-B

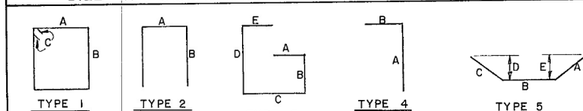


METAL EXPANSION CAP
Scale: 1"=1'-0"



GUARD ANGLE DETAIL
Scale: 3"=1'-0"

BILL OF REINFORCING STEEL (For One Bent Only)



STRAIGHT BARS				BENT BARS (All Dimensions are out to out							
MARK	SIZE	NO.	LENGTH	MARK	SIZE	NO.	TYPE	LENGTH	A	B	C	D
BW1	#6	2	35'-6"	BW13	#4	6	5	11'-0"	1'-0"	9'-3"	0'-9"	0'-6"
2		6	27-7	14		2	1	9-1	1-3	2-11	0-4½	
3		2	26-1	15				11-3		4-0		
4		2	24-7	16				12-7		4-8		
5	6	4	5-4	17				13-11		5-4		
6	4	12	7-5	18				15-3		6-0		
7		3	7-1	19				16-7		6-8		
8		6	11-4	20				17-11		7-4		
9		2	9-10	21				19-1		7-11		
10		2	8-0	22			1	19-3	1-3	8-0	0-4½	
11		4	4-0	23		2	5	12-1	1-9	2-1	8-3	3-8
BW12	4	4	2-6	24		1	5	12-7	1-9	2-1	8-9	3-11
				25		2	5	11-8	1-9	2-1	7-10	3-6
				26		1	5	11-3	1-9	2-1	7-5	3-4
B1	6	8	35-6	27		28	3	10-6	0-3½	3-10	1-3	4-10
B2	#4	2	35-6	28		2	1	12-11	1-3	4-10	0-4½	
				BW29	4	24	4	3-0	1-0	2-0		
*D1	1" ϕ Str.	4	3-6	B3	4	12	2	6-10	4-2	1-4		
				B4	#4	35	1	14-3	4-2	2-7	0-4½	

*D1~Smooth bars ~~shall~~ conform to A.S.T.M. A-36 Steel.

TABLE OF ELEVATIONS

Elev.	Bent No. 1	Bent N
A	3526.00	3525
B	3526.26	3526
C	3525.89	3525
D	3517.52	3517
E'	3520.62	3520
F'	3520.77	3520
G'	3520.74	3520
H'	3520.52	3520

STATE OF MONTANA
DEPARTMENT OF HIGHWAYS

COLLINS ROAD INTERCHANGE
AT STA. 1029+07.80

FEDERAL AID PROJECT NO. I-15-6 (16)3

TETON COUNTY

BENTS NO. 1 & NO. 5

DESIGNED	S.P.	10-71
DRAWN	S.P.	10-71
CHECKED	E.H.	11-71
REVISED		
REVISED		
REVISED		

SCALE: 3/8"=1'-0" EXCEPT AS NOTED

DRAWING NO. 109

Hec.

Rev. 1-27-77

Rev. 10-21-77
Rev. 10-26-77