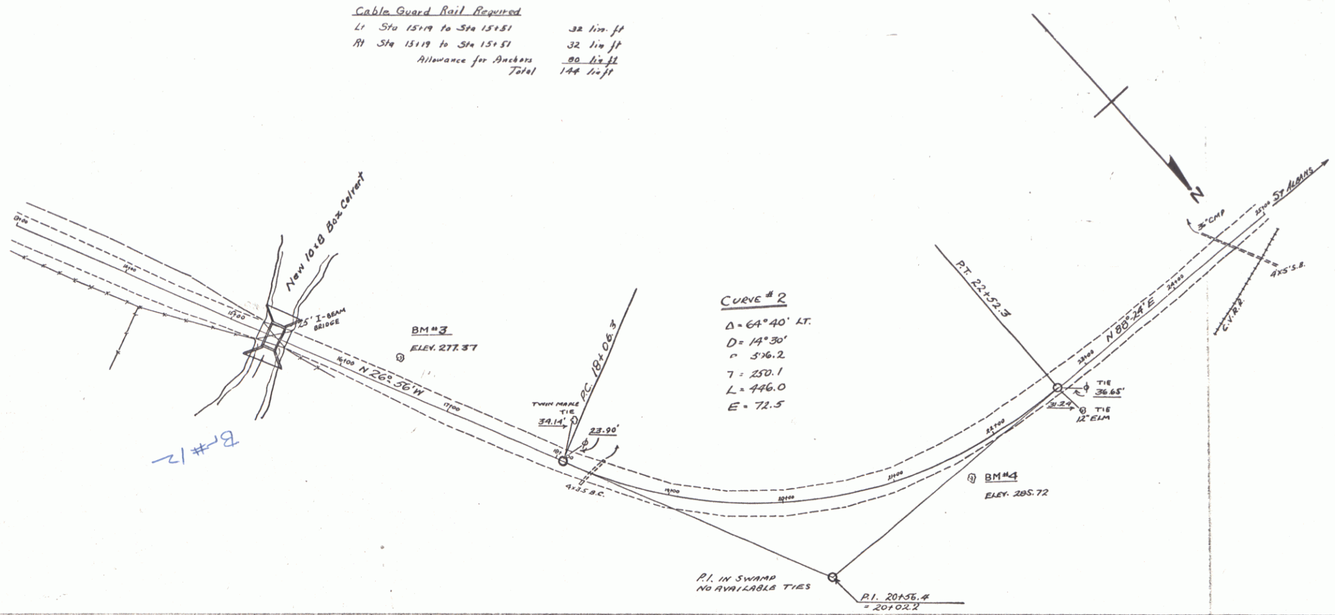
Cable Guard Rail Required

L1	Sta 15+19 to Sta 15+51	32 lin. ft
R1	Sta 15+19 to Sta 15+51	32 lin ft
	Allowance for Anchors	80 lin ft
	Total	144 lin ft



STEEL SCHEDULE				
BAR	REQ'D	SIZE	LTH	DETAIL
A	82	7/8"φ	13'-0"	3" 6"R 10'-6"
B	66	3/4"φ	9'-6"	STRAIGHT
C	48	1/2"φ	14'-3"	"
D	22	1/2"φ	12'-0"	10'-6" 1'-6"
E		1/2"φ	12'-0" To 30'-0"	E Bars vary 12'-0" to 30'-0" in pairs Pairs increase by 2'-0" lengths. One of each pair for each Apron. Bars to be marked E1 to E10 Total Length 440 Lin. Ft.
F		1/2"φ	5'-0" To 18'-0"	F Bars vary 5'-0" to 18'-0" in fours (one for each wing) each set increases by 3'-3". Mark F1 to F5 Total Length 230 Lin. ft.
G		1/2"φ	5'-6" To 11'-6"	G Bars vary 5'-6" to 11'-6" in fours by 6" increa. per set. Mark G1 to G13 1'-6" 0" to 10'-0" Total Lth. 442 Lin. ft.
D1 To D7		1/2"φ	4'-6" To 10'-6"	D1 Bars vary by fours from 4'-6 to 10'-6" for D7 Bars by 1'-0" increase per set. 1'-6" Varies 3'-0" to 9'-0" Tot. Lth. 210 Lin. ft.
E11	8	1/2"φ	16'-0"	Straight (in cutoff walls)

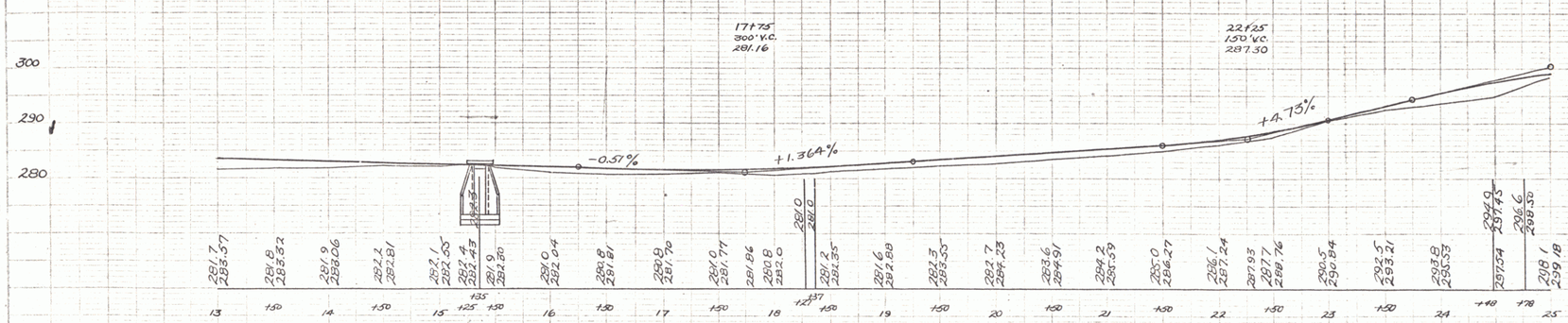
Total length No 400 bar 6'-6"
Maximum length of bars to be 22'-0"
Bars required longer than 22'-0" to be spliced 40 diameters

INDEX OF SHEETS

SHEET NO 1 PLAN AND PROFILE STA. 0+00 TO 13+00
" " 2 " " " STA. 13+00 TO 25+00
" " 3 SC No 1 10'x8' Conc. Box Culv. with Cable Rail Posts
" " 4 CROSS SECTIONS

ESTIMATED QUANTITIES

Conc. Class "A"	65.8 Cu Yds.
Reinf. Steel	4640 lbs.
STRUCT. Excav.	75 Cu Yds.
Cable Rail (48'+4 anchors)	144 Lin. ft.
Borrow	700 Cu. Yds.



CORRECT
A. P. Bishop
CHIEF ENGINEER

#52

TOWN OF SHELDON
SPOONER CURVE
NORTH SHELDON
SHEET 2 OF 64