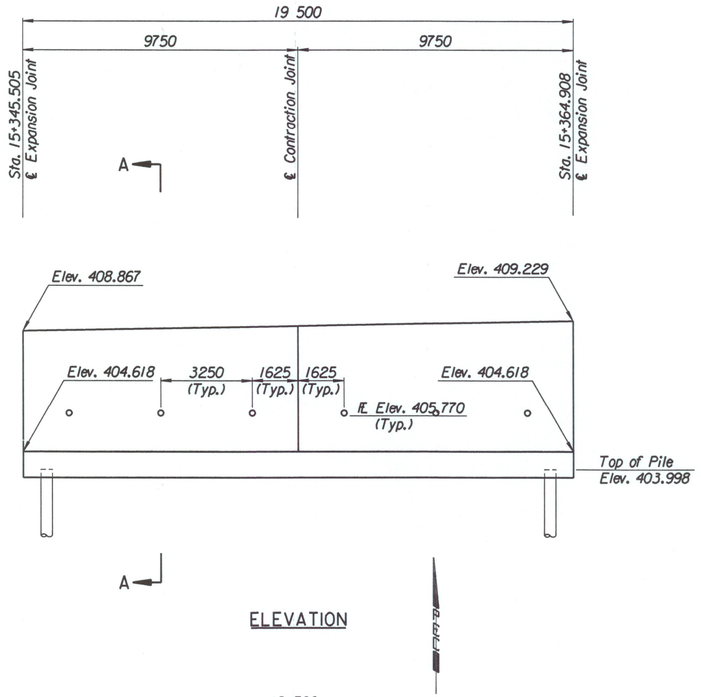
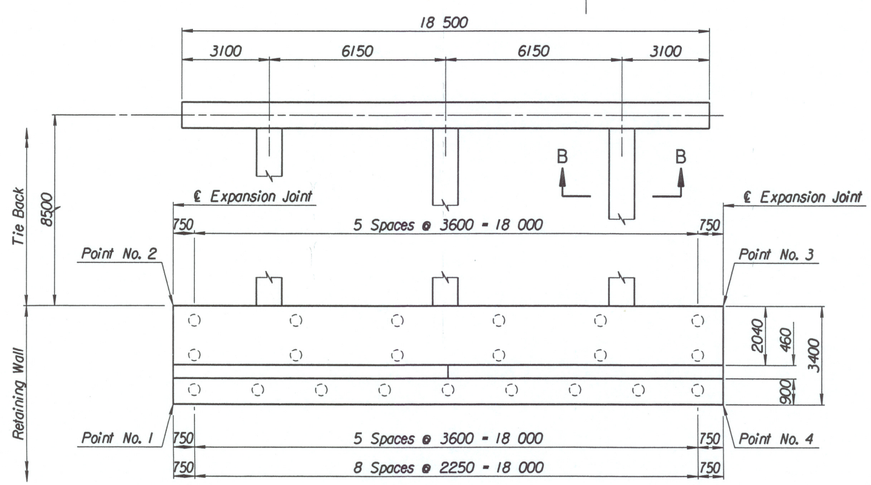
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-6657-01	2002	310	1122



ELEVATION

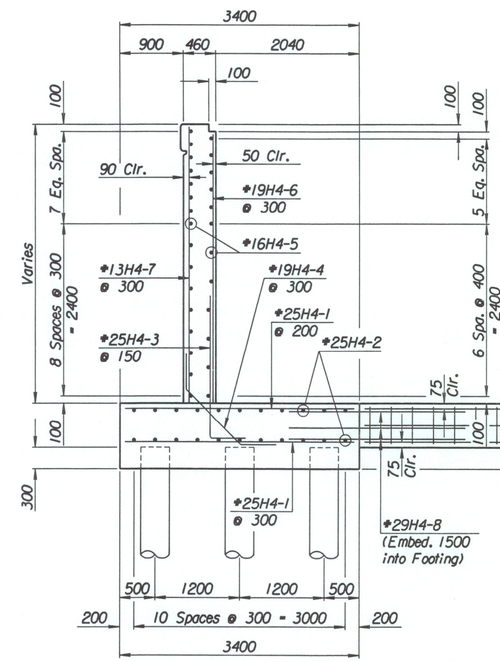


PLAN

LAYOUT INFORMATION				
Point No.	North Coordinate	East Coordinate	Station	Offset
1	511326.586	491351.600	15+345.505	19.395 Rt.
2	511329.963	491351.208	15+345.505	15.995 Rt.
3	511332.259	491370.559	15+364.908	15.995 Rt.
4	511328.883	491370.969	15+364.908	19.395 Rt.

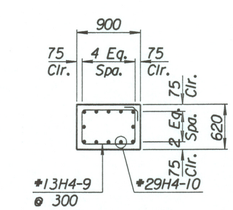
REINFORCING STEEL							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
H4-1	#25	164	3320	H4-3	#25	130	2780
H4-2	#25	44	10 670	H4-4	#19	66	1970
H4-5	#16	56	9650				
H4-6	#19	66	4100				
H4-7	#13	66	4560				
H4-8	#29	36	4000				

WALL QUANTITIES		
Item	Quantity	Unit
Pressure Grouted Pile (406 mm)	252.0	m
Concrete (Grade 30)(AE)	100.5	m^3
Reinforcing Steel (Grade 420)	8226	kg
Class III Excavation	116.4	m^3

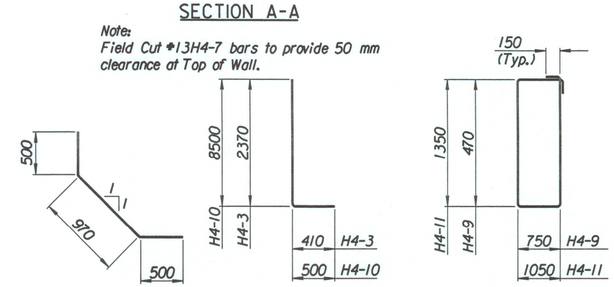


SECTION A-A

Note:
Field Cut #13H4-7 bars to provide 50 mm clearance at Top of Wall.



SECTION B-B



BENDING DIAGRAMS
All dimensions are out to out of bars.

TIE BACK REINFORCING STEEL							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
H4-12	#25	28	10 170	H4-9	#13	81	2740
				H4-10	#29	36	9000
				H4-11	#13	63	4500

TIE BACK QUANTITIES		
Item	Quantity	Unit
Concrete (Grade 30)(AE)	38.5	m^3
Reinforcing Steel (Grade 420)	3273	kg

No.	Revisions	By	Date
1			

CITY OF WICHITA

MAIZE SOUTHWEST WALL

STA. 15+345.505 TO STA. 15+364.908

SEDGWICK COUNTY

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	P.D.F.	Checked by	R.A.S.
Drawn by	W.L.L.	Date Apr. 2002	Job No. 97362

Drawn by: wll
Plotted by: drp 3-25-2002
i:/1997/97362/001/bridge/maizerd/SWwall-5