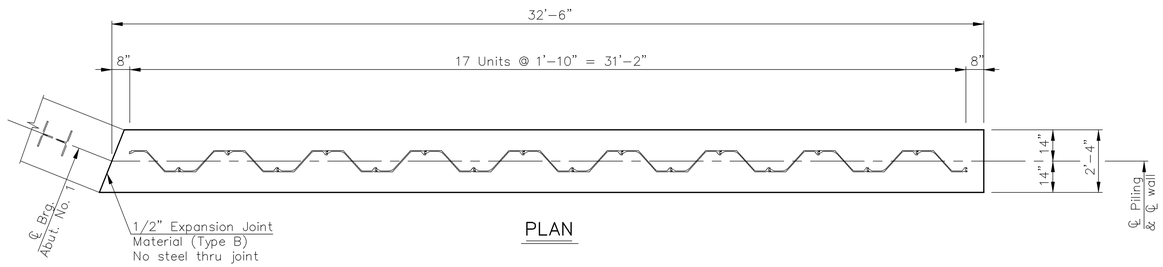
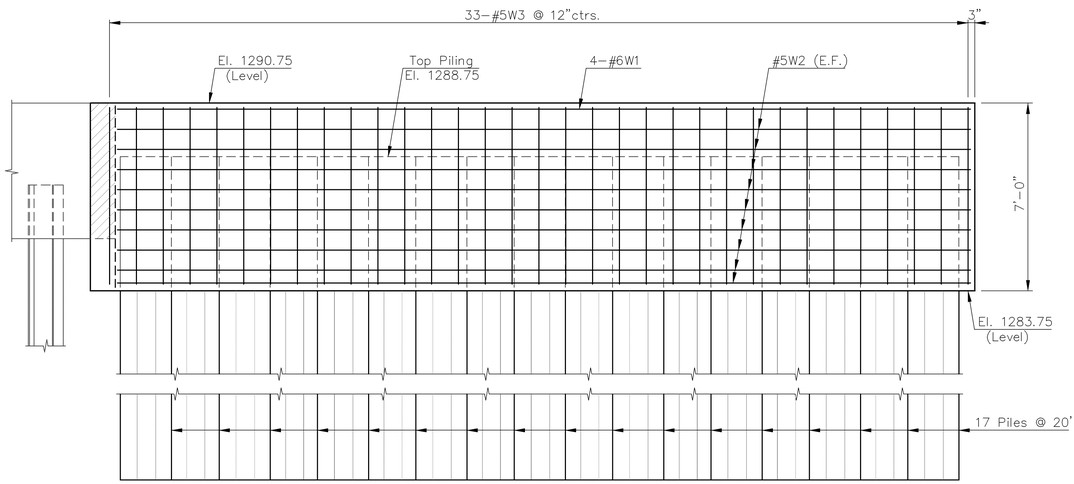
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0359-01	2006	29	61

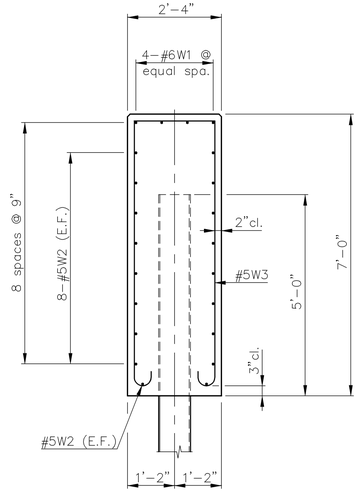
Note: E.F. Indicates each face
N.F. Indicates near face
F.F. Indicates far face



PLAN



ELEVATION

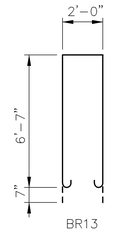


TYPICAL SECTION

BILL OF REINFORCING STEEL

STRAIGHT BARS				BENT BARS			
Mark	Size	No.	Length	Mark	Size	No.	Length
W1	#6	4	31'-9"	W3	#5	33	16'-4"
W2	#5	18	31'-9"				

BENDING DIAGRAMS



BR13

GENERAL NOTES

Unit Stresses:
Concrete (Grade 4.0)(AE) f'c = 4,000 psi
Reinforcing Steel fy = 60,000 psi

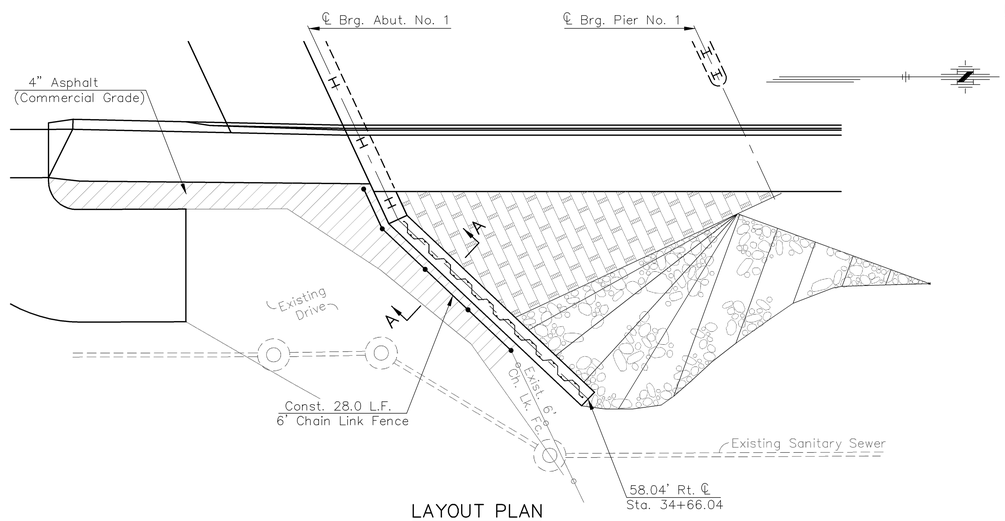
All concrete shall be Concrete (Grade 4.0)(AE). Bevel all exposed edges of the concrete with a 3/4" triangular molding, unless otherwise noted.

All reinforcing steel shall conform to the requirements of ASTM A615, Grade 60 and shall be epoxy coated as set forth in the special provisions. Bar supports shall be coated. Clearance from the face of concrete for all reinforcing steel shall be 2", unless otherwise noted.

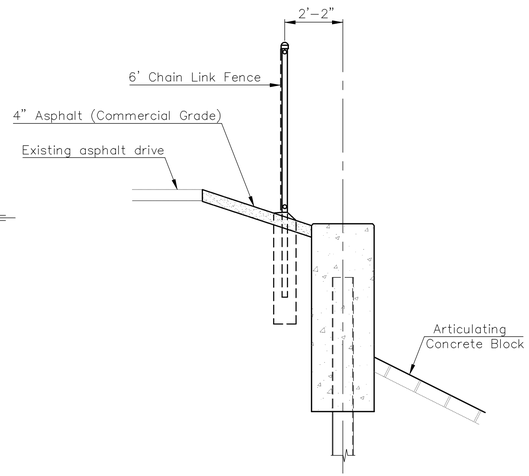
Steel Sheet Piling shall meet the requirements of ASTM A 328 (Grade 50) and shall be a "hot rolled" shape. Cold bent shapes shall not be accepted. Welded or mechanical piling splices are only allowed with the Engineers approval. Submit a sheet piling plan and calculations to the Engineer for approval. Include plan details of materials, size and location of the sheet piling. All sheet piling shall be a minimum length of 20'. Use only "tamping" compaction equipment within 5' of the sheet piling. Painting of the sheet piling is not required.

Excavation shall be Class I. See Bridge Excavation Sheet for limits of pay excavation.

For chain link fence notes and details see KDOT Standard Dwg. RD670A.



LAYOUT PLAN



SECTION A-A

SUMMARY OF QUANTITIES

Piling (Steel Sheet) (PZ22)	340* Lin. Ft.
Grade 4.0 Concrete (AE)	19.7 Cu. Yds.
Reinforcing Steel (Gr. 60) (Epoxy Coated)	1,350 Lbs.
Class I Excavation	25 Cu. Yds.
Chain Link Fence (6')	28.0 Lin. Ft.

* Includes 17 piles @ 20'. Only Steel Sheet Piling (PZ22) shall be used.

PROJECT NO. 87 N-0359-01

SHEET PILING & CAP DETAILS

HILLSIDE ST. BRIDGE OVER GYPSUM CREEK

STA. 35+05.75 CITY OF WICHITA

Cook, Flatt & Strobel ENGINEERS, P.A.

DESIGNED	RSC	SCALE	
DETAILED	DEG	DATE	
QUANTITIES		SHEET	OF

J:\2004PROJ\04559\DWGS\SHEETPILE 1"=2.667'