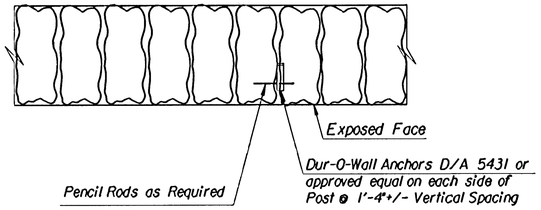
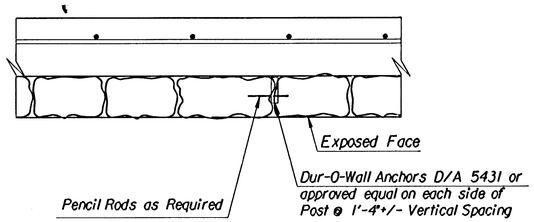
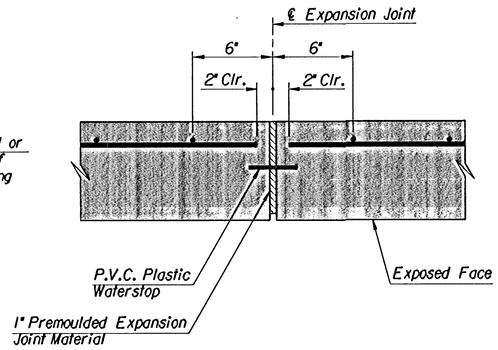
SHEET NO.	TOTAL SHEETS
36	50



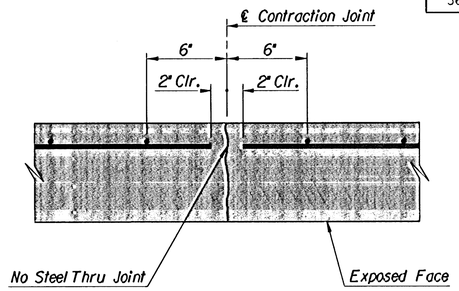
SECTION C-C



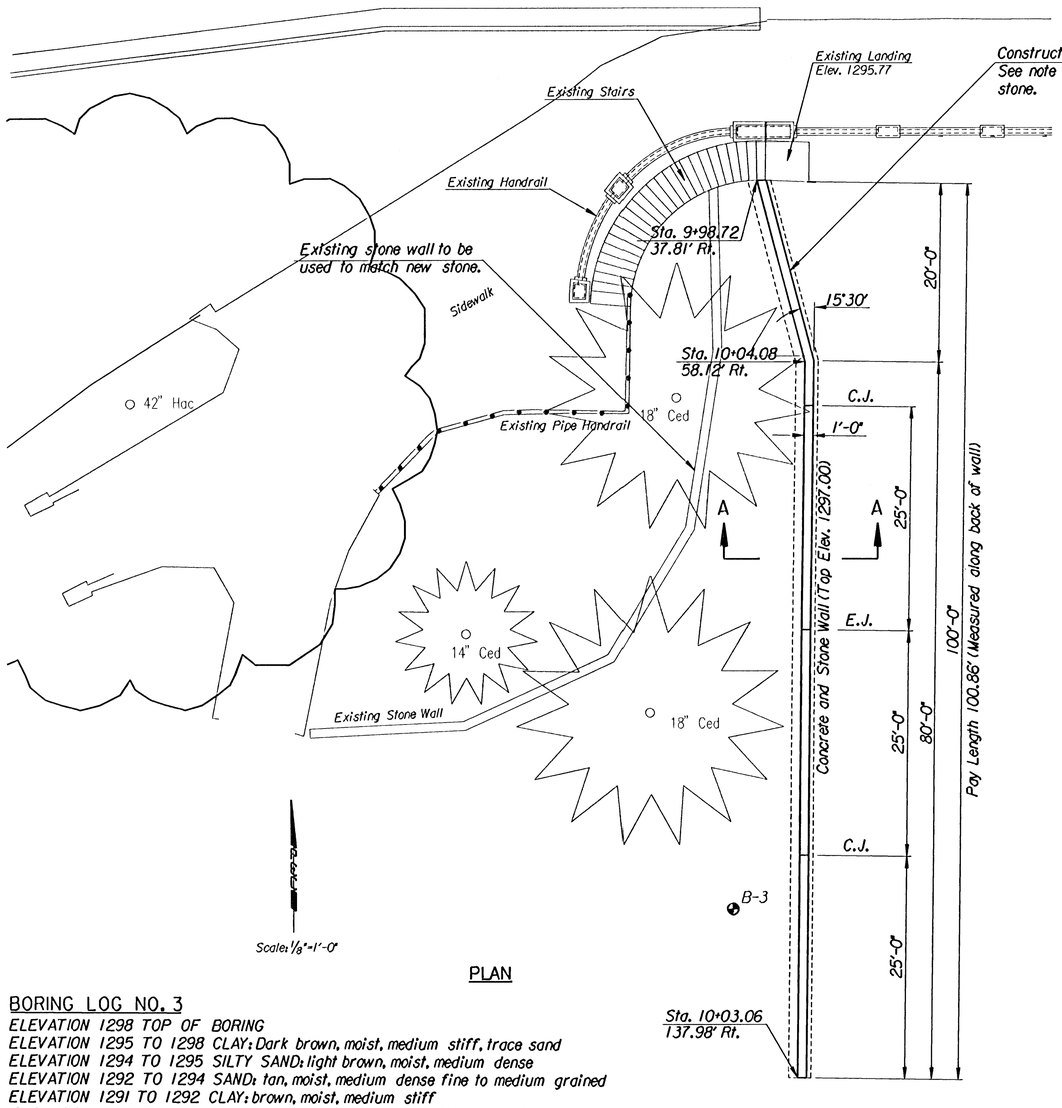
SECTION B-B



EXPANSION JOINT DETAIL (E.J.)



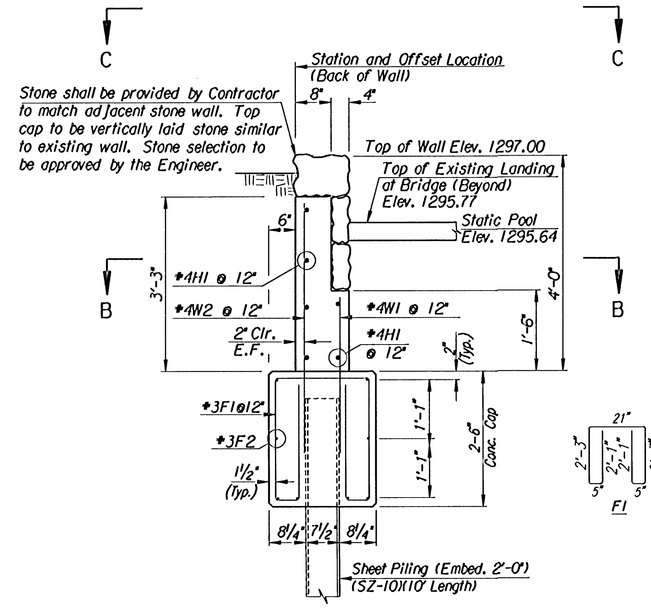
CONTRACTION JOINT DETAIL (C.J.)



PLAN

BORING LOG NO. 3

ELEVATION 1298 TOP OF BORING
ELEVATION 1295 TO 1298 CLAY: Dark brown, moist, medium stiff, trace sand
ELEVATION 1294 TO 1295 SILTY SAND: light brown, moist, medium dense
ELEVATION 1292 TO 1294 SAND: tan, moist, medium dense fine to medium grained
ELEVATION 1291 TO 1292 CLAY: brown, moist, medium stiff
ELEVATION 1283 TO 1291 SAND: tan, very moist to saturated, loose, medium grained



SECTION A-A

Size Based on A.S.T.M. A-328 Gr. 36 Shoreline Sheet Piling New Haven, Mi., and distributed by Hammer and Steel, Inc. Shawnee Mission, Kansas (913-681-9295) or Equivalent Section.

F1

REINFORCING STEEL							
Straight Bars				* Bent Bars			
Mark	No.	Size	Length	Mark	No.	Size	Length
H1	24	#4	24'-8"	F1	101	#3	11'-3"
W1	101	#4	2'-10"				
W2	101	#4	4'-7"				
F2	32	#3	24'-8"				

WALL QUANTITIES (Information only)		
Item	Quantity	Unit
Reinforcing Steel	1,620	Lbs.
Concrete	287	C.Y.
Stone	135.	C.F.
Sheet Piling (SZ-10)	1,009.	Sq.Ft.

* See Bending Diagram

CONCRETE RETAINING WALL NOTES

CONCRETE: Bevel all exposed edges with a ¾" triangular molding or finish with an approved edging tool. Class AAA Concrete (AE) shall have a minimum 28 day compressive strength of 4,000 p.s.i.

REINFORCING STEEL: All dimensions relative to reinforcing steel are to centerline of bar unless otherwise noted. All reinforcing steel shall conform to A.S.T.M. designation A615 (Grade 60). End and side clearance to reinforcing to be 2" unless noted.

PAYMENT: The retaining wall shall be paid for per linear foot. This shall include all concrete, reinforcing steel, sheetpile, stone, mortar, miscellaneous materials, labor, tools, equipment and incidentals necessary to complete the work.

No.	Revisions	By	Date
1			

CITY OF WICHITA, KANSAS
JAMES L. ARMOUR, P.E.-ACTING CITY ENGINEER
MURDOCK BRIDGE
OVER LITTLE ARKANSAS RIVER
RETAINING WALL
CITY OF WICHITA PROJECT NO. 472-83895

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

Designed by	R.A.S.	Checked by	R.A.S.
Drawn by	R.A.S./W.L.L.	Date	March 2004
		Job No.	96940-2

i:\1996\96940\002\officecheck\wallparkr.dgn
drawn by : ras/wll
plotted by : ras 3-27-2004