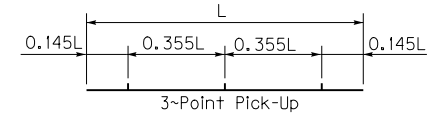
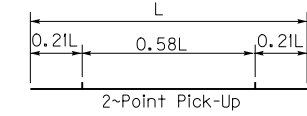
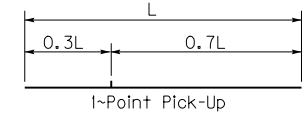


TABLE OF DIMENSIONS AND QUANTITIES (FOR ONE PILE ONLY)

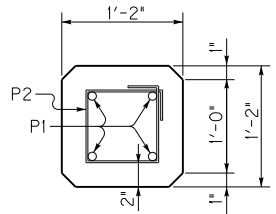
L	ESTIMATED CONCRETE CLASS 'D'	BILL AND TYPES OF REINFORCEMENT (FOR ONE PILE ONLY)				
		Bars P1 4~#8		Bars P2 #3-3'-8" long		Number
Ft.	Cu. Yd.	Length Ft.	A In.	Ft.	A In.	
16	0.73	15	8	11	8	17
18	0.83	17	8	13	8	21
20	0.93	19	8	15	8	25
22	1.04	21	8	17	8	29
24	1.14	23	8	19	8	33
26	1.24	25	8	21	8	37
28	1.34	27	8	23	8	41
30	1.44	29	8	25	8	45
32	1.54	31	8	27	8	49
34	1.64	33	8	29	8	53
36	1.74	35	8	31	8	57
38	1.84	37	8	33	8	61
40	1.94	39	8	35	8	65
42	2.04	41	8	37	8	69
44	2.14	43	8	39	8	73
46	2.24	45	8	41	8	77
48	2.34	47	8	43	8	81
50	2.44	49	8	45	8	85
52	2.54	51	8	47	8	89
54	2.64	53	8	49	8	93
56	2.74	55	8	51	8	97
58	2.84	57	8	53	8	101
60	2.94	59	8	55	8	105

Table Showing Max. Length of Concrete Piles for Various Methods of Handing.

Pick-up Method	Max. Length for 4~#8	Max. Length for 4~#9
1~Point	41 ft.	43 ft.
2~Point	58 ft.	61 ft.
3~Point	87 ft.	92 ft.



All lifting to be at pick-up points. Clearly mark all pick-up points.



GENERAL NOTES

SPECIFICATIONS: Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, current edition.

CONCRETE: Use class 'D' concrete throughout the piles.

REINFORCEMENT: Include the cost of reinforcement in the price bid per linear foot of piles. Concrete piles must not be damaged below cut-off elevation. Concrete and spiral bars above cut-off elevation are to be removed. Bars P1 and P2 are to remain and project into structure above. Field bend these bars if necessary to maintain clearance shown on Bridge details.

PILING: Minimum penetration of all piles is 20 feet unless solid rock is encountered.

TEST PILES: Drive test piles where designated on Bridge Plans to determine the length required. Locate all test piles so they will act as a part of the piling system.

PILE CUT-OFF: No payment will be made for pile cut-off.

SPIRAL REINFORCEMENT: May be plain or deformed and have a minimum yield strength of 40,000 psi and a minimum tensile strength of 70,000 psi.

Pile lengths beyond those shown in table will have their concrete quantities adjusted to the length required.

**KENTUCKY
DEPARTMENT OF HIGHWAYS**

**14" REINFORCED
CONCRETE PILE**

STANDARD DRAWING NO. BPC-002-08

SUBMITTED: *[Signature]* 12-01-99
DIRECTOR, DIVISION OF BRIDGE DESIGN DATE

APPROVED: *[Signature]* 12-01-99
STATE HIGHWAY ENGINEER DATE