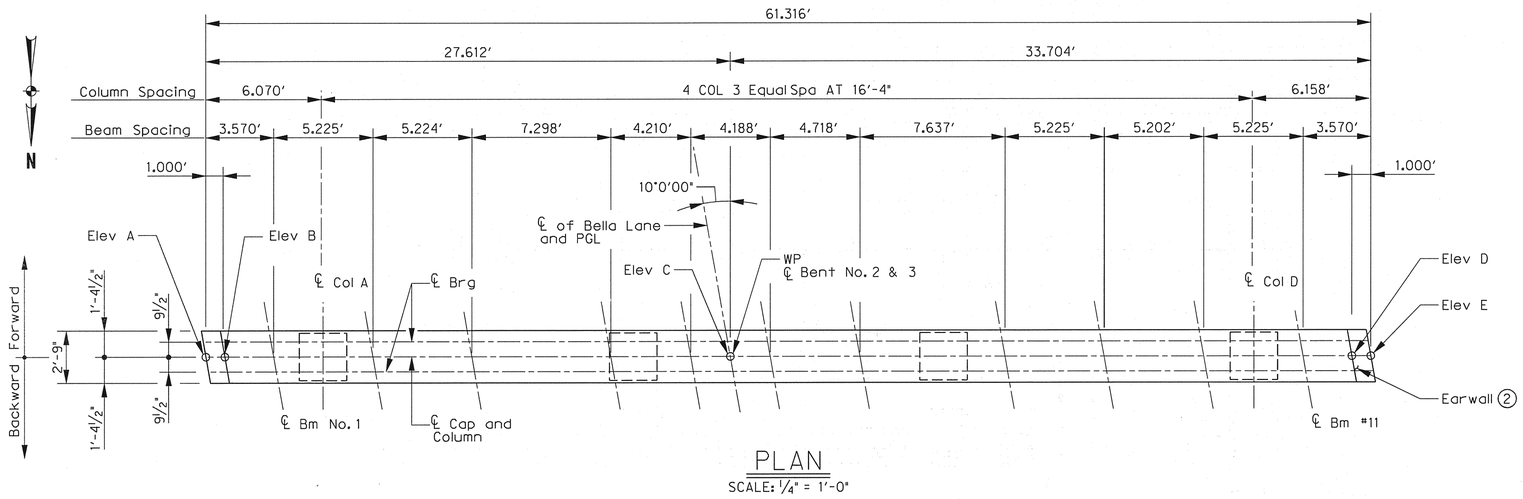
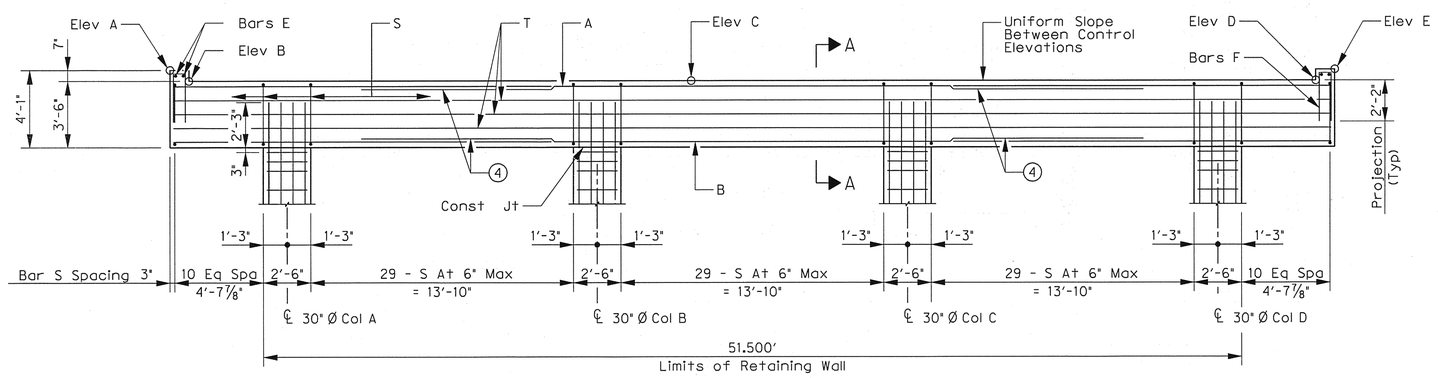
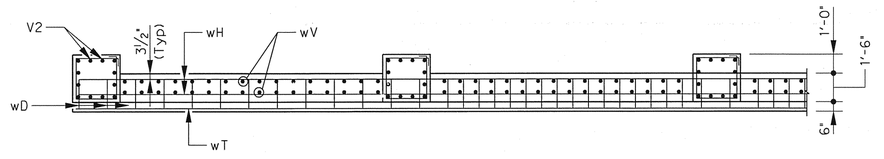
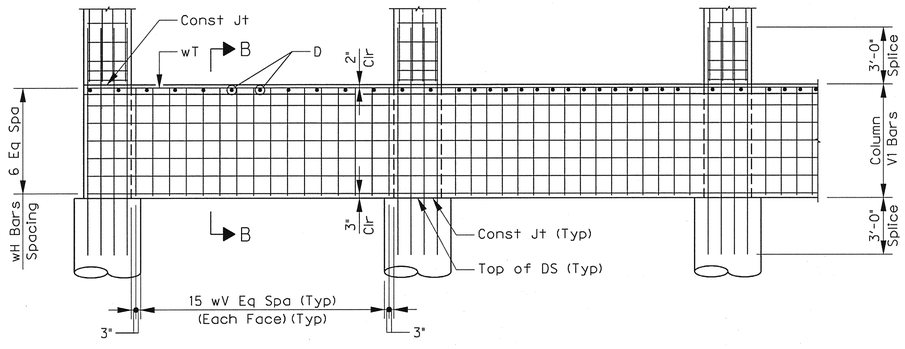


PLAN
SCALE: 1/4" = 1'-0"

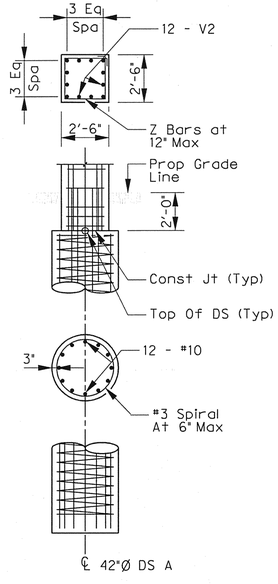


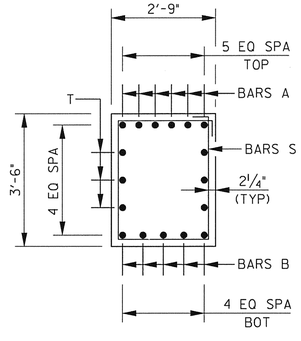




Note: Column tie bars Z not shown in wall for clarity.

ELEVATION
SCALE: 1/4" = 1'-0"





SECTION A-A
SCALE: 1/2" = 1'-0"

BAR SCHEDULE ~ ONE CAP

	Bar	Type	No.	Size	Length	Weight
	A	St	6	#11	70'-10"	2,259
	B	St	5	#11	67'-8"	1,798
	E	St	4	#5	2'-5"	11
	F	Bt	10	#5	6'-1 1/2"	64
	S	Bt	109	#5	12'-0"	1,365
	T	St	6	#5	66'-1"	414
	wD	St	36	#5	1'-6"	57
	wH	St	14	#7	51'-2"	1,465
	wT	St	1	#5	51'-2"	54
	wV	St	45	#5	5'-7"	263
	V1	St	48	#8	12'-0"	1,538
	V2	St	48	#8	17'-3"	2,211
	Z	Bt	72	#3	9'-8"	262
(1)	Total Reinforcing Steel				LB	11,761
	Cl C Conc (Bent)				CY	51.6

COLUMN SCHEDULE ~ ONE COLUMN

"H"	Bars V~12-#9		Bars Z~#3 Spiral		Est Quant~4 Col	
					Reinf Steel	Class C Concrete
FT	Length	Weight	Length	Weight	LB	CY
13	15'-3"	623	216'	82	2,820	13.6
14	16'-3"	663	231'	87	3,000	14.6
15	17'-3"	704	247'	93	3,188	15.7
16	18'-3"	745	263'	99	3,376	16.7
17	19'-3"	786	279'	105	3,564	17.8

ESTIMATED QUANTITIES

	Item	Unit	BENT 2	BENT 3
	Drilled Shaft (42 IN)	FT	40	40
	Cl C Conc (Bent)	CY	51.6	51.6
(1)	Reinf Steel	LB	11,069	11069.0

(1) For Contractor's information only.

(2) Do not cast earwalls until beams are erected in their final position.

(3) Length of bar includes 10'-0" splice length.

(4) Top splices shall be near midspan and bottom splices near supports. Adjacent bars cannot be spliced at the same location.

General Notes:

Concrete strength f'c = 3,600 psi.

The price bid per foot of column shall include the reinforcing extending from the shaft into the cap.

Spiral steel shall have one extra turn at the top, bottom, and at splices.

All cap reinforcing shall be grade 60.

Column and Drilled Shaft reinforcing may be grade 40.

Cap form supports shall remain in place until the entire cap is ready for form removal.

Calculated drilled shaft foundation load:
156 Tons per Drilled Shaft

04·29·10

STATE OF TEXAS
ERIC S. CHRISTIANSEN
85412
LICENSED
PROFESSIONAL ENGINEER

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NO.	REVISION	BY	DATE

Addison TOWN OF ADDISON
DALLAS COUNTY, TEXAS

VITRUVIAN PARK BRIDGES
BELLA LANE

BENT No. 2 & 3 PLAN AND ELEVATION

HALFF 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200 FAX (214) 739-0095

PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
27379	ESC	AHH	APRIL 2010	-	S2-08