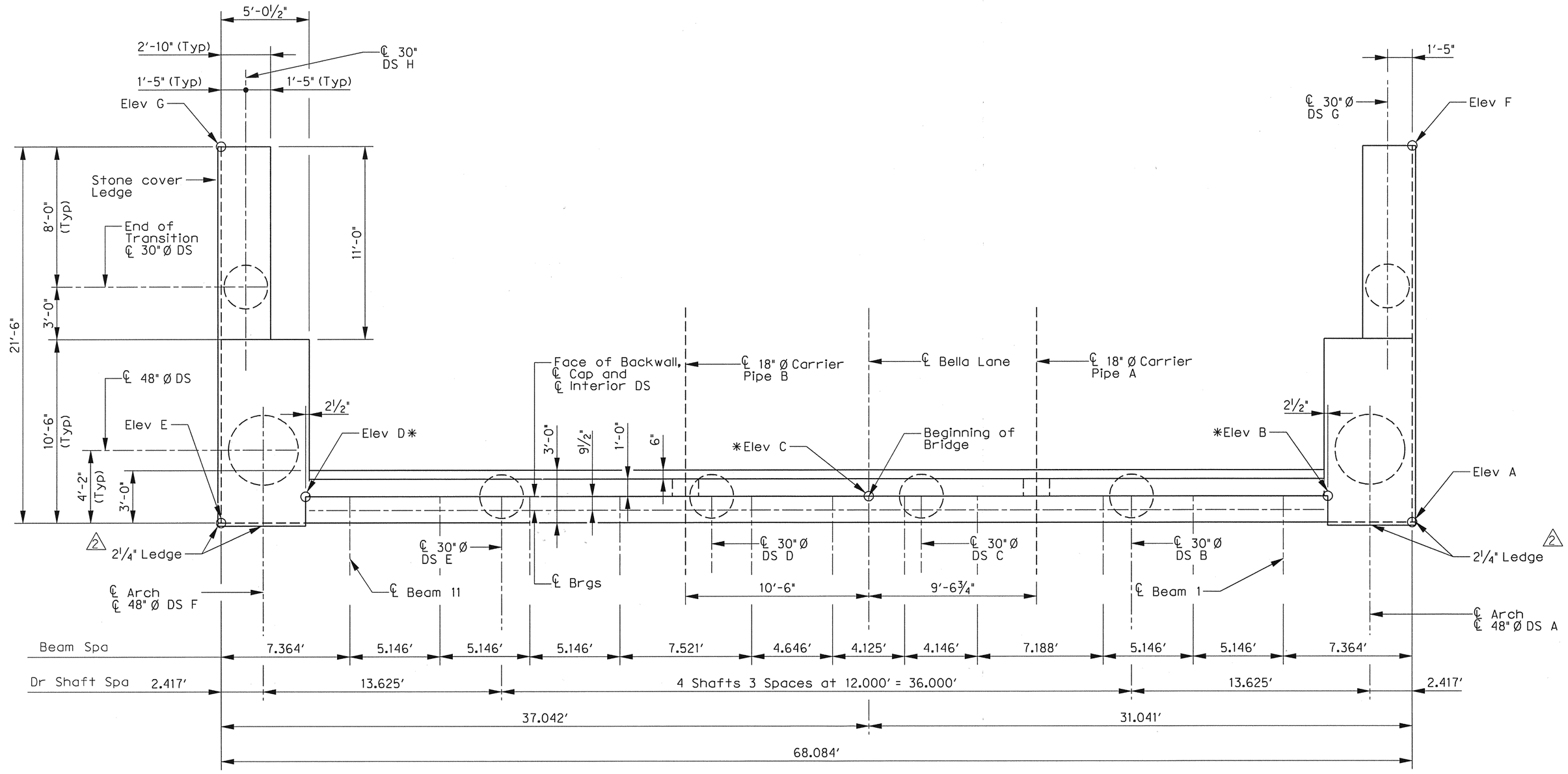
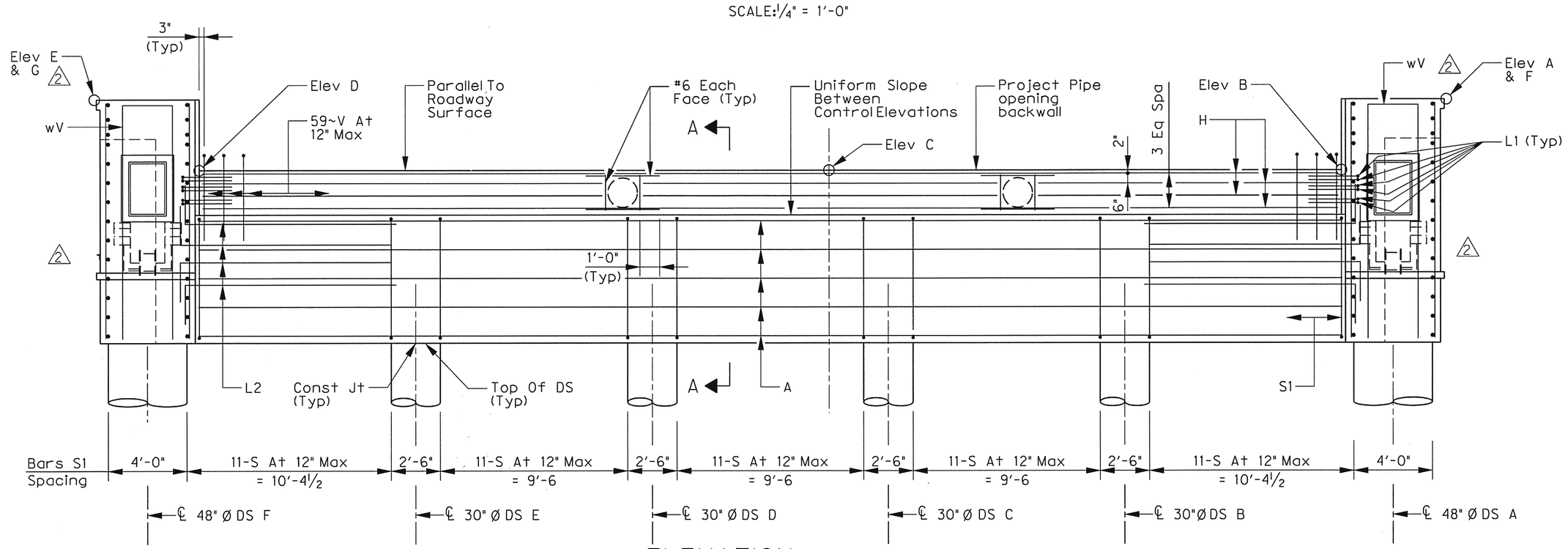


PLAN

SCALE: ¼" = 1'-0"

*Denotes elevation taken at top, frontface of backwall along centerline of abutment.



ELEVATION

SCALE: ¼" = 1'-0"

Note: For information not shown see Section A-A/S2-07

CONTROL ELEVATIONS

Abutment	Station	Top of Abutment							Top of Drilled Shafts							
		Elev A	Elev B	Elev C	Elev D	Elev E	Elev F	Elev G	DS A	DS B	DS C	DS D	DS E	DS F	DS G	DS H
1	28+58.50	564.94	561.34	561.87	561.23	564.84	563.45	563.35	552.54	552.80	553.04	552.92	552.68	552.42	552.48	552.48

BAR SCHEDULE ~ ONE CAP

Bar	Type	No.	Size	Length	Weight
A	St	28	#11	58'-1"	8,641
H	St	8	#6	57'-8"	693
L1	Bt	12	#6	5'-0"	91
L2	Bt	24	#6	12'-6"	451
S1	Bt	55	#5	18'-2"	1,043
V	Bt	59	#5	9'-2 1/2"	567
wH1	St	22	#6	21'-2"	700
wH2	St	38	#6	10'-2"	581
wH3	St	22	#6	10'-8"	353
wU	Bt	26	#8	26'-2 1/2"	1,820
wV1	St	24	#8	11'-8 3/4"	752
wV2	St	24	#6	9'-8 3/4"	351
wZ	Bt	22	#6	6'-2 1/2"	206
(1) Total Reinforcing Steel				LB	16,250
Cl C Conc (Abut)				CY	47.9
Cl C Conc (Mass Placement)				CY	72.5

ESTIMATED QUANTITIES

Item	Unit	QUANTITY
Drilled Shaft (48 IN)	FT	44
Drilled Shaft (30 IN)	FT	150
(1) Cl C Conc (Abut)	CY	47.9
Cl C Conc (Mass Placement)	CY	72.5
Reinf Steel	LB	16,250

(1) For contractor's information only.

General Notes:

Desined per AASHTO LRFD Bridge Desgin Specifications (2007) with interim specifications thereto.

Concrete strength f'c = 3,600 psi.

The price bid per foot of Drilled Shaft 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 and wall reinforcing shall be grade 60 steel.

Drilled shaft reinforcing may be grade 40.

Calculated drilled shaft foundation load is as follows:
146 tons per shaft (48")
104 tons per shaft (30")

07-28-10

STATE OF TEXAS ERIC S. CHRISTIANSEN 85412 LICENSED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ERIC S. CHRISTIANSEN, P.E. #85412 ON 07-28-2010. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPOSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS, 75081. TBPE FIRM #F-312.

NO.	REVISION	BY	DATE
4	Addendum #4	ESC	07/28/10
3	Addendum #3	ESC	05/24/10
2	Addendum #2	ESC	05/19/10

Addison

TOWN OF ADDISON
DALLAS COUNTY, TEXAS

VITRUVIAN PARK BRIDGES
BELLA LANE

ABUTMENT No. 1 PLAN AND ELEVATION

HALFF
1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275
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PROJECT	DESIGN	DRAWN	DATE	FILE	SHEET
27379	ESC	AHH	APRIL 2010	-	S2-04