

USER: ch2140

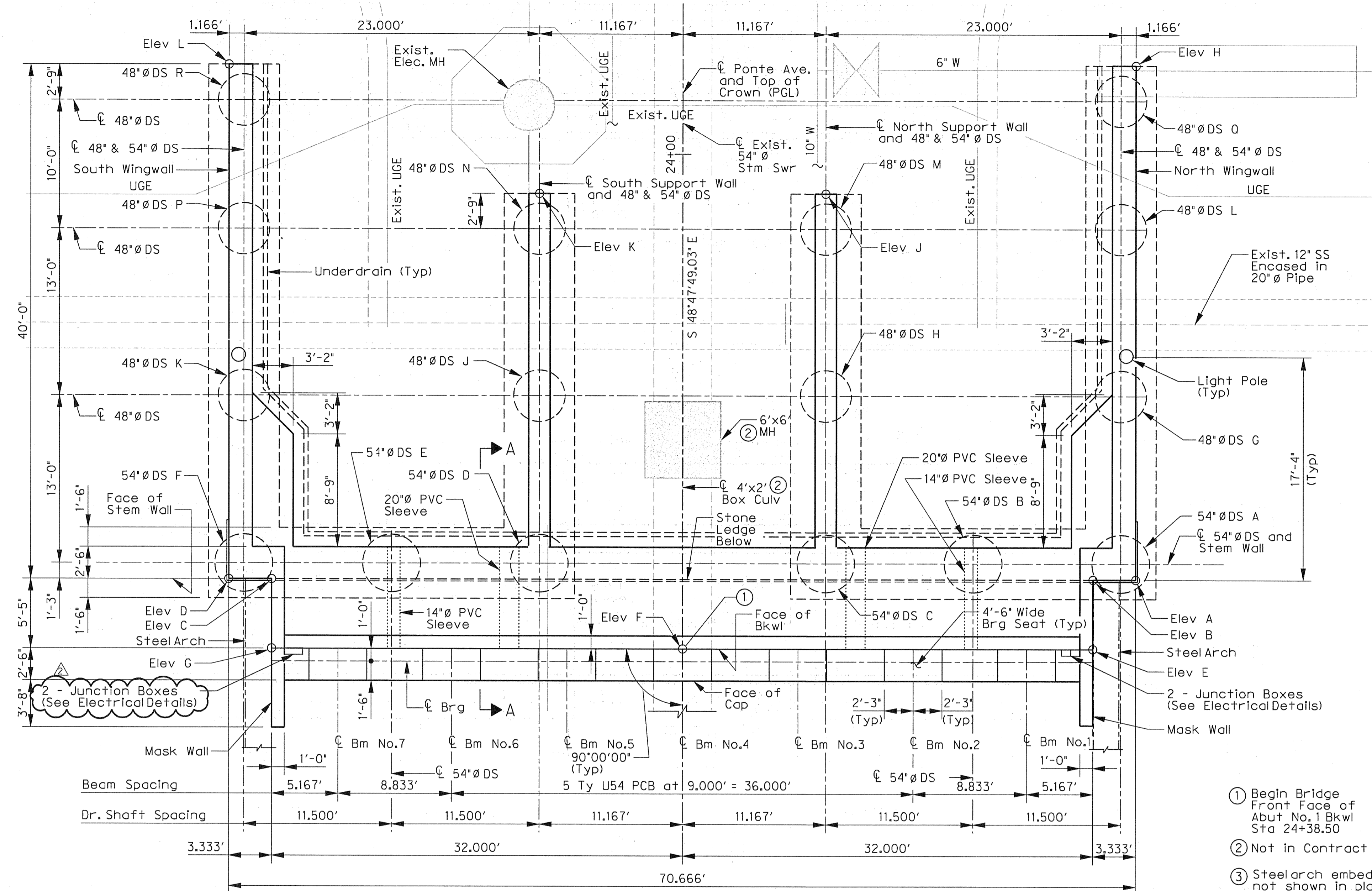
OFFICE: RCH

PROJECT # 27379

FILE: 27379-SC-PONTEB-AB01-01.dgn

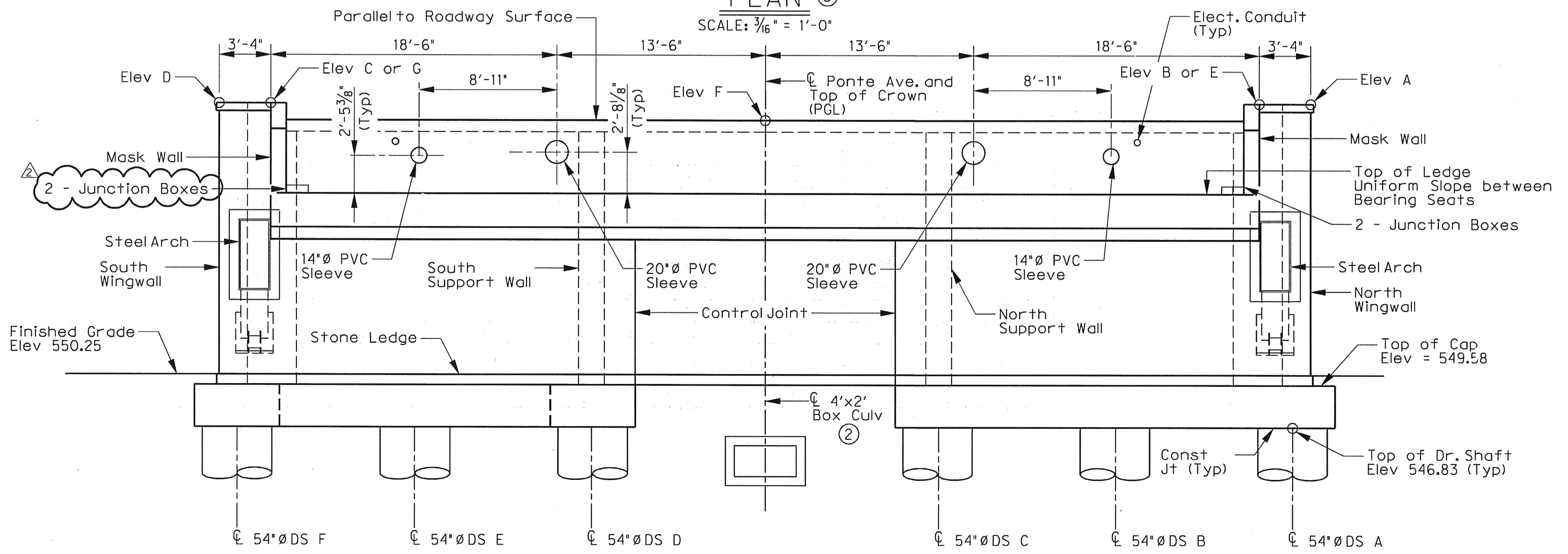
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PLAN ③

SCALE: 3/16" = 1'-0"



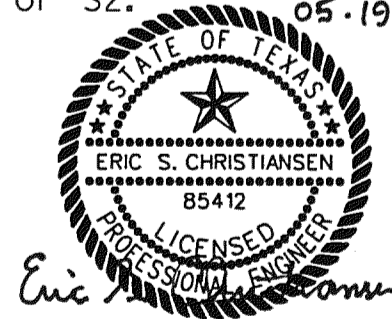
ELEVATION

SCALE: 3/16" = 1'-0"

- ① Begin Bridge Front Face of Abut No. 1 Bkwl Sta 24+38.50
- ② Not in Contract
- ③ Steel arch embeds not shown in plan for clarity.

General Notes:

- Provide Class F Concrete, f'c = 4000 psi.
- The price bid per foot of Drilled Shaft shall include the reinforcing extending from the shaft into the footing.
- Spiralsteel shall have one extra turn at the top, bottom, and at splices.
- All cap and wall reinforcing shall be grade 60 except as noted on Sheet 10 of 10.
- Steel angles for stone ledges shall be grade A36 and galvanized.
- Provide a 3/4" minimum chamfer for all exposed edges of concrete.
- See sheet 8 of 10 for underdrain detail. Tie underdrain into the proposed 4' x 2' box culvert at Abut No. 1 and into the proposed 18" storm drain at Abut No. 2.
- Drilled shaft reinforcing may be grade 40.
- The bearing seats shall receive a wood float finish.
- Calculated drilled shaft foundation load:  
408 tons (Max Comp) per drilled shaft (54")  
271 tons (Max Comp) per drilled shaft (48")  
72 tons (Max Tens) per drilled shaft (48")
- See Drawing No. S1-18, Misc Details for rail anchorage in wingwalls.
- See civil drawings for adjacent stairs, ramps, and paving.
- For Section A-A and Mask Wall Detail, see Sheet 3 of 10.
- For Stem Wall reinforcing, see Sheet 4 of 10.
- For Wingwall details, see Sheet 5 and 6 of 10.
- For Support Wall details, see Sheet 7 of 10.
- For Wall Corner Details, and Drilled Shaft Details, see Sheet 8 of 10.
- For Bending Diagrams, see Sheet 9 of 10.
- For Bearing Seat Elevations, Control Elevations, Bar Schedule and Estimated Quantities see sheet 10 of 10.
- Select fill used as backfill material shall consist of very sandy clays or clayey sands with liquid limits of less than 40. The plasticity index of this material should be less than 15. The select fill shall have an effective angle of shearing resistance of at least 28 degrees with 200 psf in cohesion. The select fill shall be well mixed to eliminate the presence of 'clay balls'. The fill shall be free of deleterious material that will prevent proper compaction, contain environmentally hazardous materials, or will decay.
- Wall backfill material shall be placed in maximum 8 inch loose lifts and uniformly compacted to at least 95% maximum dry density as determined by ASTM D-698 for cohesive soils. Moisture content for cohesive soils shall be within -2 to +2 percent of the optimum moisture content as measured in test method ASTM D-698.
- Locate electrical conduits according to Electrical Plan. Provide a minimum of 2" clear cover for conduits in cap and walls. For conduits penetrating the backwall or top cap, do not locate more than one conduit between Bars S1 or S2.



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Addendum #2		ESC	05/19/10
NO.	REVISION	BY	DATE
<b>TOWN OF ADDISON</b> DALLAS COUNTY, TEXAS			
<b>VITRUVIAN PARK BRIDGES</b> PONTE AVENUE			
<b>ABUTMENT NO. 1</b> <b>PLAN AND ELEVATION</b>			
<b>HALFF</b>		1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275 TEL (214) 346-6200 FAX (214) 739-0095	
PROJECT	DESIGN	DRAWN	DATE
27379	ESC	AHH	APRIL 2010
FILE	SHEET		
-	S1-05		