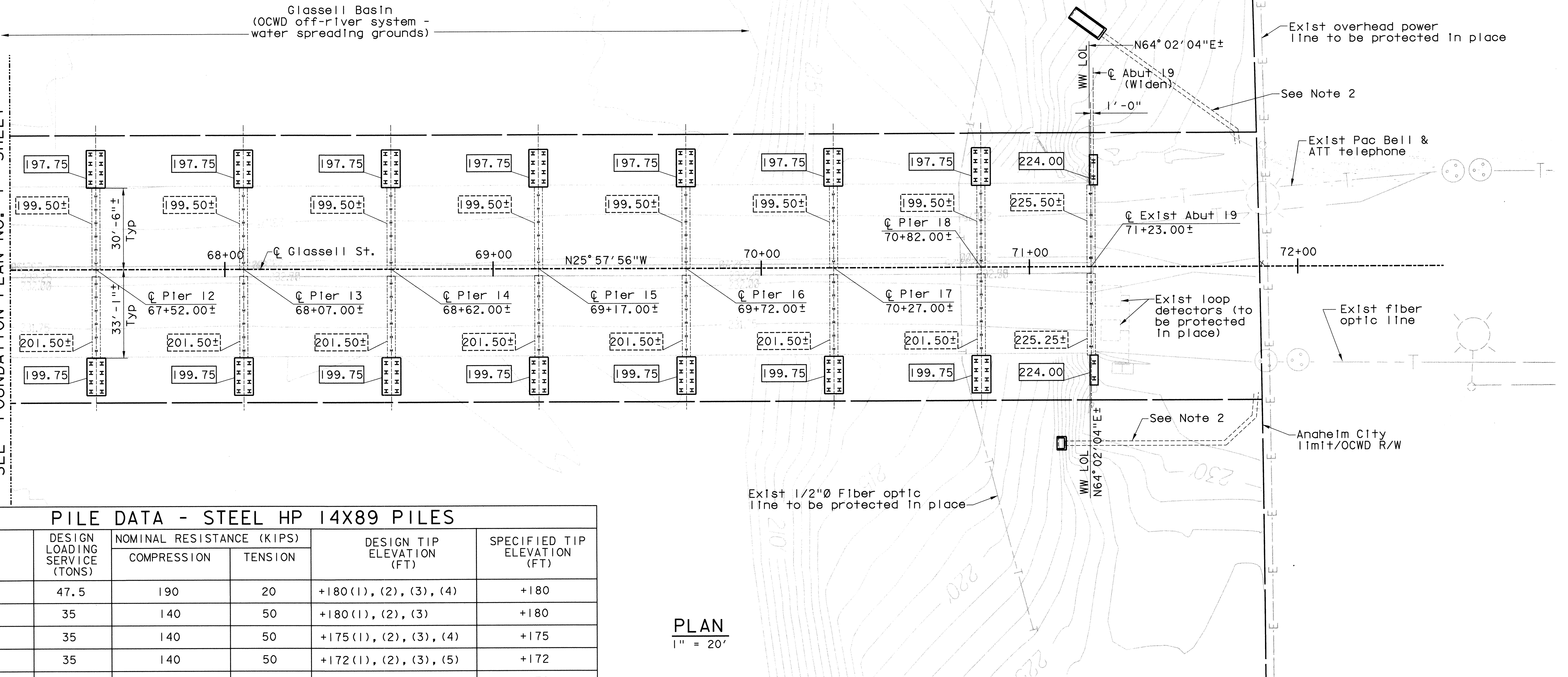


MATCH LINE STA 67+20.00
SEE "FOUNDATION PLAN NO. 1" SHEET



PILE DATA - STEEL HP 14X89 PILES

LOCATIONS	DESIGN LOADING SERVICE (TONS)	NOMINAL RESISTANCE (KIPS)		DESIGN TIP ELEVATION (FT)	SPECIFIED TIP ELEVATION (FT)
		COMPRESSION	TENSION		
ABUT 1	47.5	190	20	+180 (1), (2), (3), (4)	+180
PIER 2 (Left)	35	140	50	+180 (1), (2), (3)	+180
PIER 2 (Right)	35	140	50	+175 (1), (2), (3), (4)	+175
PIER 3 thru 8	35	140	50	+172 (1), (2), (3), (5)	+172
PIER 9	35	140	50	+170 (1), (2), (3)	+170
PIERS 10, 11 & 12	35	140	50	+162 (1), (2), (3)	+162
PIERS 13 & 14	35	140	50	+155 (1), (2), (3)	+155
PIER 15	35	140	50	+152 (1), (2), (3)	+152
PIERS 16 & 17	35	140	50	+147 (1), (2), (3)	+147
PIER 18	35	140	50	+152 (1), (2), (3)	+152
ABUT 19	47.5	190	20	+160 (1), (2), (3), (4)	+160

DESIGN TIP ELEVATIONS ARE CONTROLLED BY THE FOLLOWING DEMANDS:
(1) COMPRESSION; (2) TENSION; (3) LATERAL LOADS
(4) LIQUEFACTION POTENTIAL EXIST FROM +210 TO +200 FT, AND;
(5) 4' OF SCOUR POTENTIAL EXIST FROM PIERS 3 TO 8.

Note:
Contractor shall verify all controlling field dimensions
before ordering or fabricating any material

PLAN
1" = 20'

Notes:

- Bearing for all abutments and piers is N64°02'04"E±
- 18" RCP storm drain, see "Glasell Approach Storm Drain Plan and Profile No. 2 & 3" sheets.
- All existing underground utilities to be protected in-place, see "Utility Plan No. 1 & 2" sheets.

LEGEND

- 201.50± Denotes bottom of widened footing elevation
- 199.50± Denotes bottom of exist footing elevation

ORANGE COUNTY PUBLIC FACILITIES AND RESOURCES DEPARTMENT	
GLASSELL STREET BRIDGE WIDENING OVER SANTA ANA RIVER	
FOUNDATION PLAN NO. 2	
SHEET 41 OF 70	
DESIGNED: X.WJ DRAWN: G. BUELOW SCALE: AS SHOWN DATE: 7/19/02 CHECKED: S. SHARIFAN DRAWING NO.	
PREPARED UNDER RESPONSIBLE CHARGE OF: SHAEL M. SHARIFAN No. CE 49697 Exp. 9-30-04 DATE: 3/14/02	

Date Plotted: \$DATE\$

File Name: \$FILES\$

Border sheet last modified 09-Nov-1999