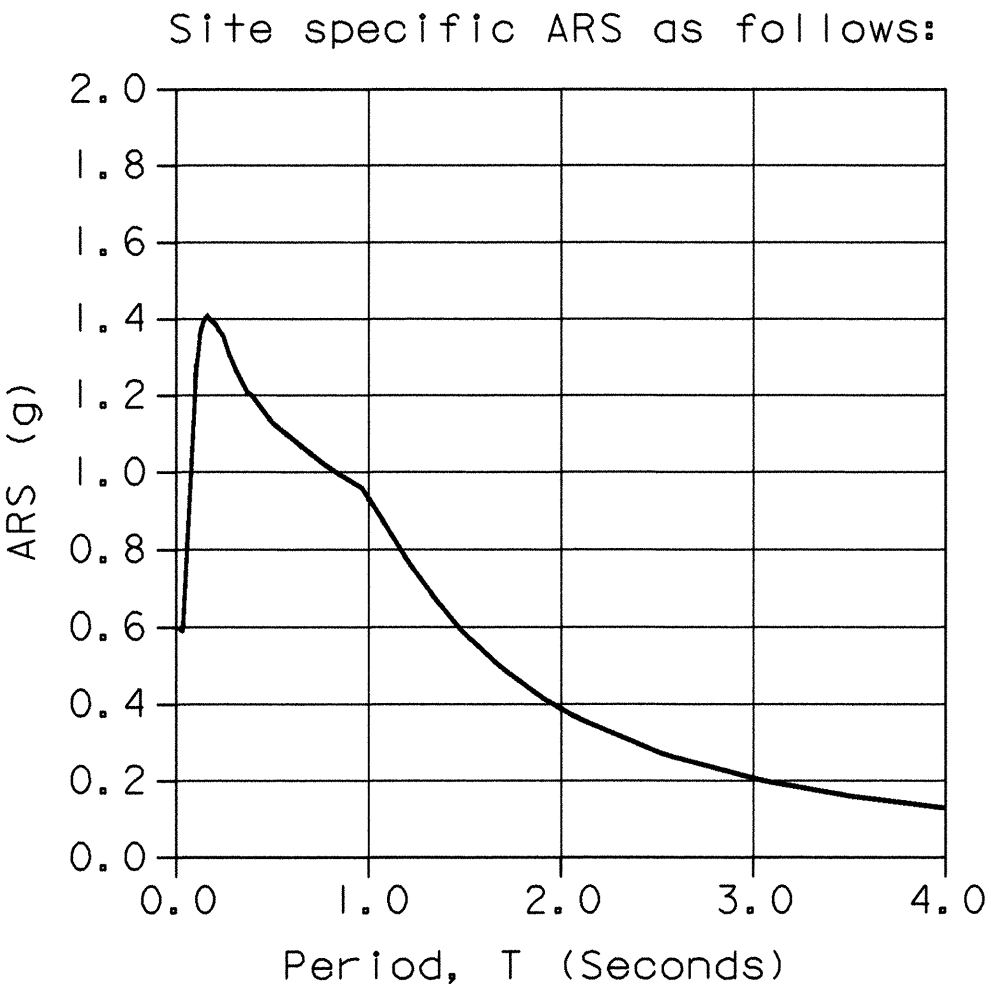


STANDARD PLANS DATED JULY 1999

A10A	ABBREVIATIONS
A10B	SYMBOLS
A20A	PAVEMENT MARKERS AND TRAFFIC LINES
A62A	TYPICAL DETAILS
A62B	EXCAVATION AND BACKFILL MISCELLANEOUS DETAILS
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL
A62C	BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE
A87	CURBS, DIKS AND DRIVEWAYS
D73	DRAINAGE INLETS
D77B	BICYCLE PROOF GRATE DETAILS
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B3-1	RETAINING WALL TYPE I - H = 4'-30'
B3-8	RETAINING WALL DETAILS NO. 1
B3-9	RETAINING WALL DETAILS NO. 2
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7-1	BOX GIRDER DETAILS
B7-5	DECK DRAINS
B11-47	CABLE RAILING
B11-51	TUBULAR HAND RAILING
B11-54	CONCRETE BARRIER TYPE 26
ES-7A	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS
ES-7B	ELECTRICAL DETAILS STRUCTURE INSTALLATIONS
ES-7C	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS
ES-7C	ELECTRICAL DETAILS STRUCTURE INSTALLATIONS

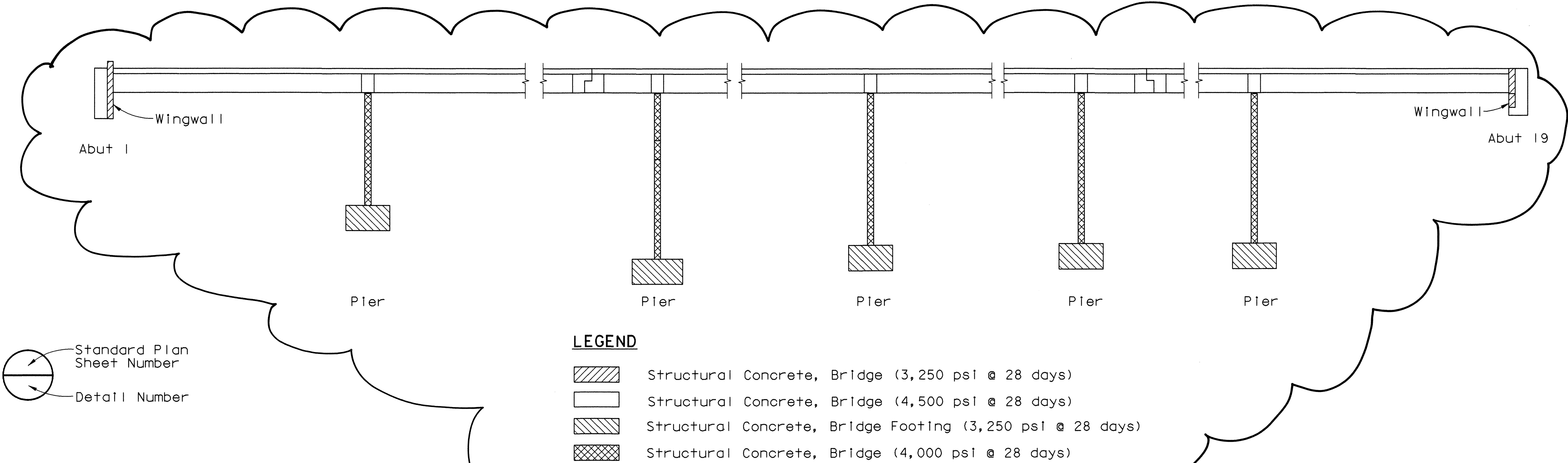
GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN:	BRIDGE DESIGN SPECIFICATIONS (1999 AASHTO with Interims and Revisions by CALTRANS)
DEAD LOAD:	Includes 35 psf for future wearing surface.
LIVE LOADING:	HS20-44 alternative and permit load
SEISMIC LOADING:	Peak Bed Rock Acceleration = 0.6g ARS curve for an earthquake magnitude of 6.5 to 7.5. Soil profile Type D.

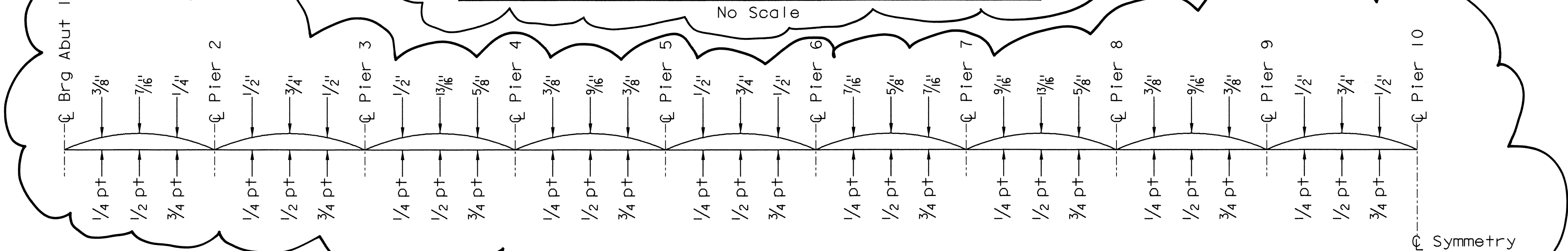


REINFORCED CONCRETE:	$f_y = 60,000 \text{ psi}$
	$f'_c = 4,000 \text{ psi}$
	$n = 8$
	Transverse Deck Slabs (Working Stress Design)
	$f_s = 20,000 \text{ psi}$
	$f'_c = 1,200 \text{ psi}$
	$n = 10$

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



CONCRETE STRENGTH AND TYPE LIMITS



INDEX TO PLANS

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35	STRUCTURE PLAN NO. 2
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37	STAGE CONSTRUCTION DETAILS NO. 2
38	STAGE CONSTRUCTION DETAILS NO. 3
39	FOUNDATION PLAN NO. 1
40	FOUNDATION PLAN NO. 2
41	ABUTMENT 1 LAYOUT
42	ABUTMENT 19 LAYOUT
43	ABUTMENT DETAILS NO. 1
44	ABUTMENT DETAILS NO. 2
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ORANGE COUNTY RESOURCES AND DEVELOPMENT MANAGEMENT DEPARTMENT	
GLASSSELL STREET BRIDGE WIDENING OVER SANTA ANA RIVER	
INDEX TO PLANS AND GENERAL NOTES	
DESIGNED: X. WU	SHEET
DRAWN: G. BUELOW	CHECKED: S. SHARIFAN
SCALE: AS SHOWN	DATE: 7/19/02
DRAWING NO.	33R
OF 70	

Date Plotted: 07/25/2005

File Name: t:\Cad\010-14\glasssell\gl_gn.dgn

Border sheet last modified 03-Nov-1999