

APPROXIMATE QUANTITIES

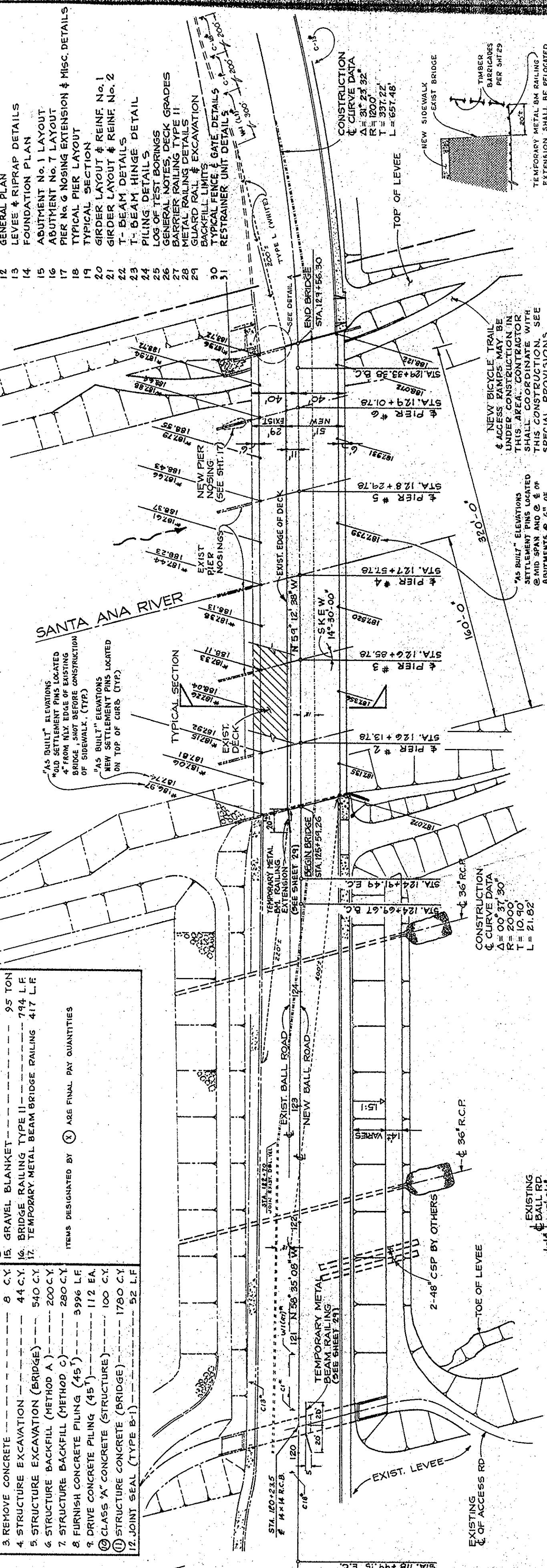
1. TEMPORARY METAL BEAM RAILING	40 L.F.	13. BAR REINFORCING STEEL (BRIDGE)	465,000 LB.
2. REMOVE & SALVAGE METAL BRIDGE GUARDRAIL	794 L.F.	14. BAR REINFORCING STEEL (STRUCTURE)	20,000 LB.
3. REMOVE CONCRETE	8 C.Y.	15. GRAVEL BLANKET	95 TON
4. STRUCTURE EXCAVATION	44 C.Y.	16. BRIDGE RAILING TYPE II	794 L.F.
5. STRUCTURE EXCAVATION (BRIDGE)	540 C.Y.	17. TEMPORARY METAL BEAM BRIDGE RAILING	417 L.F.
6. STRUCTURE BACKFILL (METHOD A)	200 C.Y.		
7. STRUCTURE BACKFILL (METHOD C)	280 C.Y.		
8. FURNISH CONCRETE PILING (45')	3996 L.F.		
9. DRIVE CONCRETE PILING (45')	112 EA.		
10. CLASS "A" CONCRETE (STRUCTURE)	100 C.Y.		
11. STRUCTURE CONCRETE (BRIDGE)	1700 C.Y.		
12. JOINT SEAL (TYPE B-1)	52 L.F.		

ITEMS DESIGNATED BY (3) ARE FINAL PAY QUANTITIES

BRIDGE SHEET INDEX

SHT. NO.	TITLE
11	14' x 14' RCB EXTENSION
12	GENERAL PLAN
13	LEVEE & RIPRAP DETAILS
14	FOUNDATION PLAN
15	ABUTMENT No. 1 LAYOUT
16	ABUTMENT No. 7 LAYOUT
17	PIER No. 6 NOSING EXTENSION & MISC. DETAILS
18	TYPICAL PIER LAYOUT
19	TYPICAL SECTION
20	GIRDER LAYOUT & REINF. No. 1
21	GIRDER LAYOUT & REINF. No. 2
22	T-BEAM DETAILS
23	T-BEAM HINGE DETAIL
24	PILING TEST BORINGS
25	GENERAL NOTES, DECK GRADES
26	BARRIER RAILING TYPE II
27	METAL RAILING DETAILS
28	GUARD RAIL & EXCAVATION
29	BACKFILL LIMITS
30	TYPICAL FENCE & GATE DETAILS
31	RESTRAINER UNIT DETAILS

ELEVATION
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'

SKW = 14° 30' 00"
SIN = 25035000
COS = 23814764
TAN = 23861238
LIVE LOADING = H20-44 & ALT.

DETOUR STRIPES & SIGNING LEGEND
FOR NORTHWESTLY SIDEWALK CONSTRUCTION
== DETOUR DOUBLE SOLID YELLOW LINE
-- DETOUR SOLID WHITE LINE
* TEMPORARY DETOUR SIGN

NEW BICYCLE TRAIL
& ACCESS RAMP MAY BE
UNDER CONSTRUCTION IN
THIS AREA. CONTRACTOR
SHALL COORDINATE WITH
THIS CONSTRUCTION. SEE
SPECIAL PROVISIONS.

CONSTRUCTION
& CURVE DATA
A = 31° 23' 32"
R = 1200'
T = 337.22'
L = 657.48'

NEW SIDEWALK
EAST BRIDGE
TIMBER
BARRICADES
PER SHT. 29

TEMPORARY METAL BM RAILING
EXTENSION SHALL BE LOCATED
FROM WESTERLY END OF
BRIDGE FOR DETOUR

DETAIL A

AS BUILT

ORANGE COUNTY ROAD DEPARTMENT

BALL ROAD BRIDGE
WIDENING SA-12

SANTA ANA RIVER

GENERAL PLAN

AS NOTED

DR: 2 (12241)

NEW TYPE II RAILING
& SIDEWALK
PER DETAILS
SHT. 27

TEMPORARY METAL TYPE K
BEAM-BRIDGE
RAILING

PROFILE GRADE

5'-SPACES @ 9'-0" = 45'-0" (NEW)

29'-0" (EXIST.)

SCALE: 1/8" = 1'-0"

TYPICAL BRIDGE SECTION