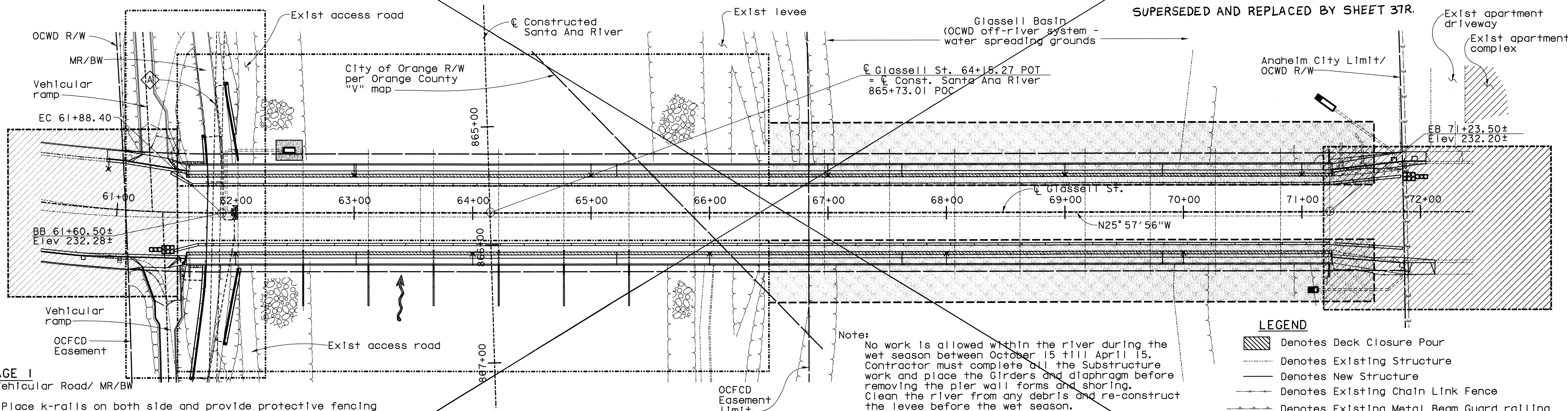


ELEVATION
1" = 40'



SUPERSEDED AND REPLACED BY SHEET 37R.

STAGE I

A. Vehicular Road/ MR/BW

1. Place k-rails on both side and provide protective fencing attached to the existing guard rail. Accommodate pedestrian access on one side of the bridge and street during the construction.
2. Provide detour route for the MR/BW, see "Traffic Handling Plan No. 1"
3. Re-grade the Vehicular Road / MR/BW and construct Retaining Walls.
4. Re-open the MR/BW. The MR/BW could be closed for short periods of time for moving construction equipment, hauling and other operations which could pose a danger to the trial user.

B. River Construction; Bridge Substructure

1. Construct temporary cofferdam around footings for Piers 3-9 (as necessary) for substructure construction. Contractor must secure permit from OCWD for excavating in the river and basin. See specification for details.
2. Demolish existing debris nose.
3. Excavate foundations in the channel and install piles for foundation.
4. Construct pile cap.
5. Construct pier walls and debris wall. follow similar process on the south side.

C. River Construction; Bridge Superstructure

1. Erect girders and place diaphragms.
2. Remove shoring and all the form works from the river.
3. Reconstruct the channel embankment.

STAGE 2

A. Vehicular Ramp/Street

1. After re-opening MR/BW, reconstruct both Vehicular Ramp and sidewalks.

B. Glassell Basin; Substructure, Bridge

1. Construct cofferdam.
2. Excavate foundations in the basin and install piles for foundation.
3. Construct pile caps.
4. Construct pier walls.

C. Glassell Basin; Bridge Superstructure

1. Erect girders and place diaphragms.
2. Remove shoring and all the form works.
3. Reconstruct the basin invert and embankment.

STAGE 3

A. Deck Placement (see Note 1)

1. Form the deck slab.
2. Place deck rebars.
3. Place concrete deck.
4. Construct barrier.
5. Construct sidewalk.
6. Place Closure pour.

B. Street Improvement

1. Perform street work Improvement. Work on both ends of the bridge.
2. Perform street delineation work.

C. Demobilization

1. Remove K-rails and other debris
2. Demobilize

LEGEND

- Denotes Deck Closure Pour
- Denotes Existing Structure
- Denotes New Structure
- Denotes Existing Chain Link Fence
- Denotes Existing Metal Beam Guard railing
- Denotes High Water Elevation
- Denotes Direction of Flow
- Denotes Stage 1A, 1B, 1C, 2A & 3A Construction
- Denotes Stage 2B, 2C & 3A Construction
- Denotes Stage 3B Construction
- Denotes Bridge Lighting

ORANGE COUNTY PUBLIC FACILITIES AND RESOURCES DEPARTMENT		GLASSELL STREET BRIDGE WIDENING OVER SANTA ANA RIVER	
STAGE CONSTRUCTION DETAILS NO. 1		DESIGNED: X. WU DRAWN: G. BUELOW SCALE: AS SHOWN DATE: 7/19/02	
MARK DATE DESCRIPTION REVISIONS PREPARED UNDER RESPONSIBLE CHARGE OF: PROFESSIONAL SEAL: SHAFI M. SHARAF, No. CE 49857, Exp. 3-30-04, State of California 7/19/02		600 The City Parkway West, Suite 310 Orange, CA 92668 PH: (714) 456-0280 FAX: (714) 456-0295 W. Koo & Associates, Inc.	
SHEET 37 OF 70		DATE: 7/19/02 DRAWING NO.	