

LEGEND

	FEMA FLOODPLAIN LIMITS
	WATERSHED BOUNDARY
	PONDING/BACKWATER LIMIT/100-YR FLOODPLAIN
	CROSS-SECTION ID WITH 100-YR WATER SURFACE ELEVATION
	RIGHT OF WAY LINE
	EXISTING EASEMENT LINES
	PROPERTY BOUNDARY
	404 JURISDICTIONAL WATERS
	FEMA FIRM 100-YR BASE FLOOD ELEVATIONS
	TRAINING BERM, T.O.B. ELEV.

- NOTES:**
- VERTICAL DATUM = NAVD88
 - AERIAL PHOTO, TOPOGRAPHY (1 FT. CONTOUR INTERVAL) AND FIELD SURVEY INFORMATION PROVIDED BY PSOMAS
 - SECTION 404 WATERS OF THE U.S. JURISDICTIONAL LIMITS PROVIDED BY THE TOWN OF MARANA.
 - FEMA FLOODPLAIN INFORMATION PER FEMA FIRM PANELS: 04019C1048L, 04019C1048L, 04019C1070L AND 04019C1096L
 - PROPOSED ROADWAY FILES PROVIDED BY PSOMAS AND KITTELSON.
 - DIMENSIONS OF THE ROADSIDE CHANNELS AND INTERCEPTOR CHANNELS ARE SHOWN IN APPENDIX H.
 - UNLESS OTHERWISE NOTED, CULVERT OUTLET TREATMENTS ARE:
 - FOR CULVERTS LARGER THAN 24-INCH DIAMETER, HEC-14 WIRE-TIED RIPRAP DISSIPATOR BASINS (3' 6" RIPRAP)
 - FOR 24-INCH DIAMETER CULVERTS, LOOSE RIPRAP D50=6", 1FT THICK, UNDERLAIN BY FILTER FABRIC (MIRAFI 180N OR EQUIV.)
 - OUTLET TREATMENT DIMENSIONS PER DRAINAGE REPORT TABLE 8 & AS SHOWN ON CULVERT PLAN & PROFILE SHEETS.

PRELIMINARY

CMG DRAINAGE ENGINEERING, INC.
 3555 N. Mountain Ave. Tucson, Arizona 85719
 Phone (520) 882-4244 Fax (520) 888-1421

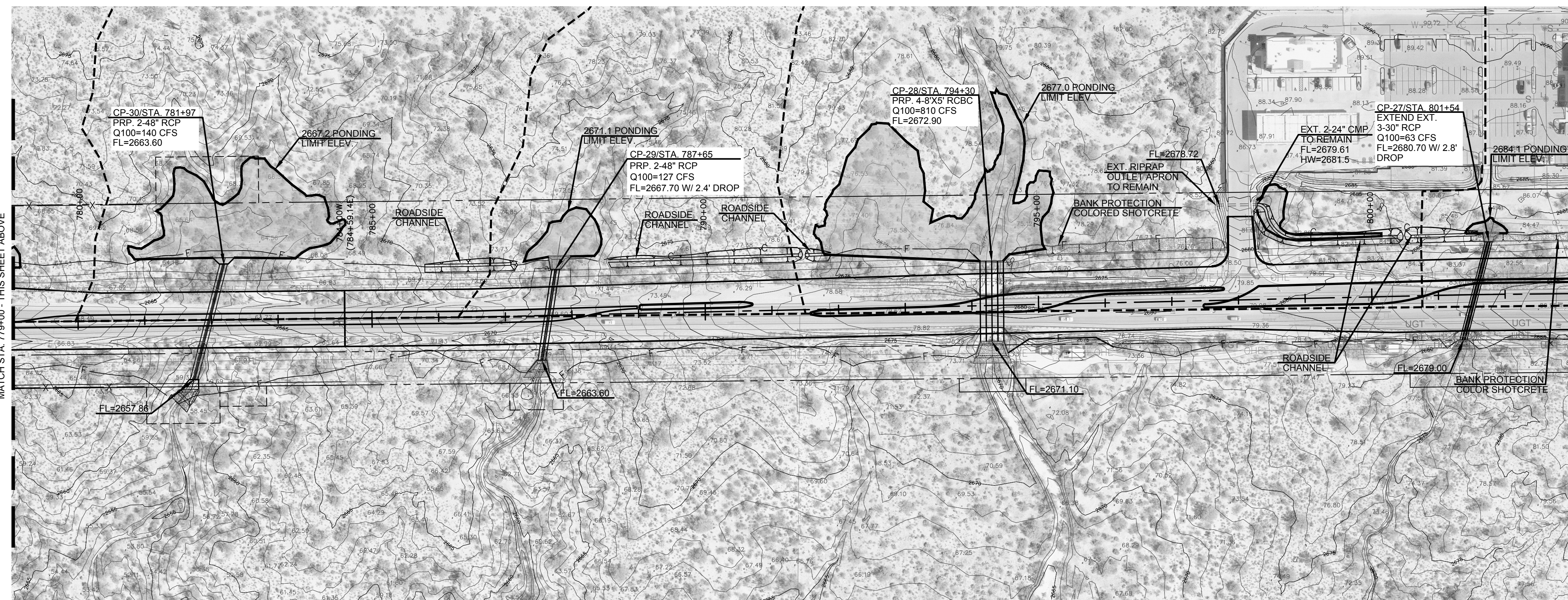
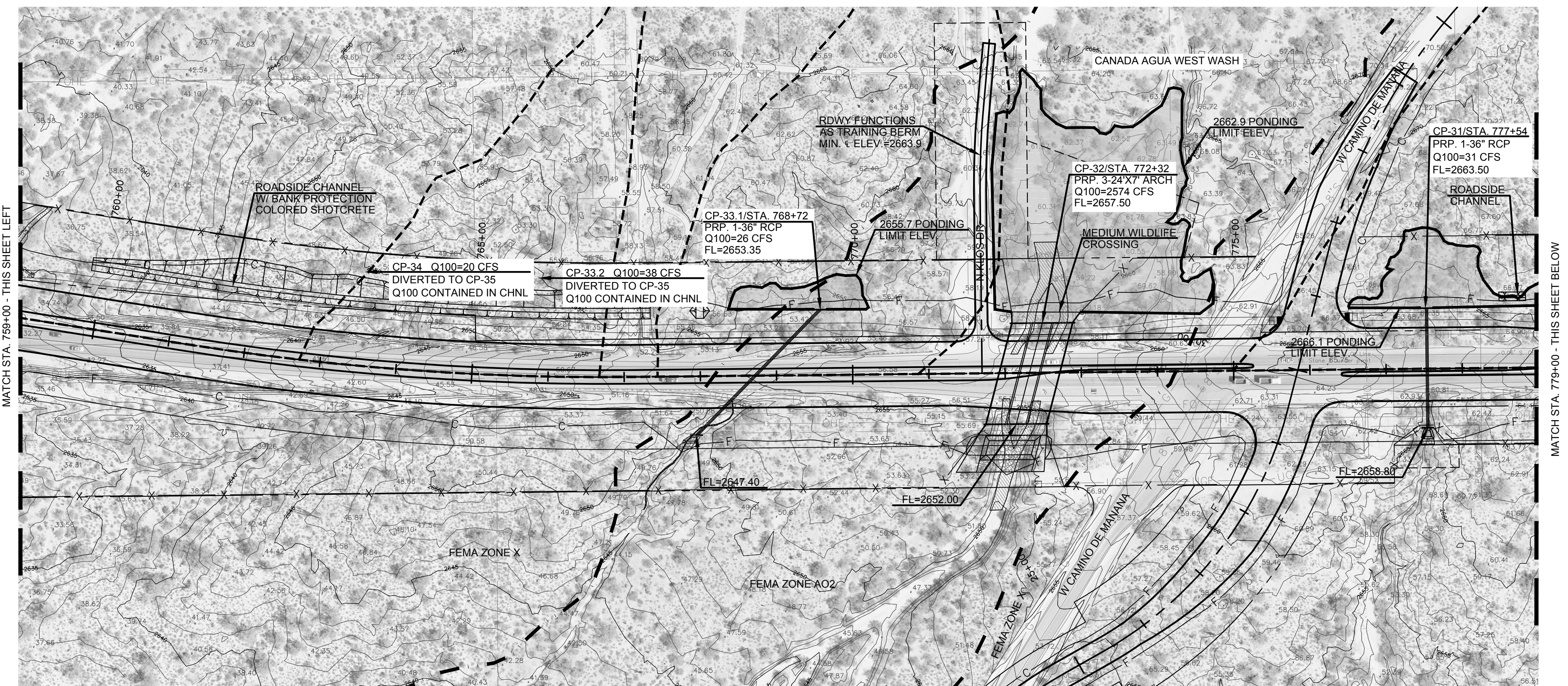
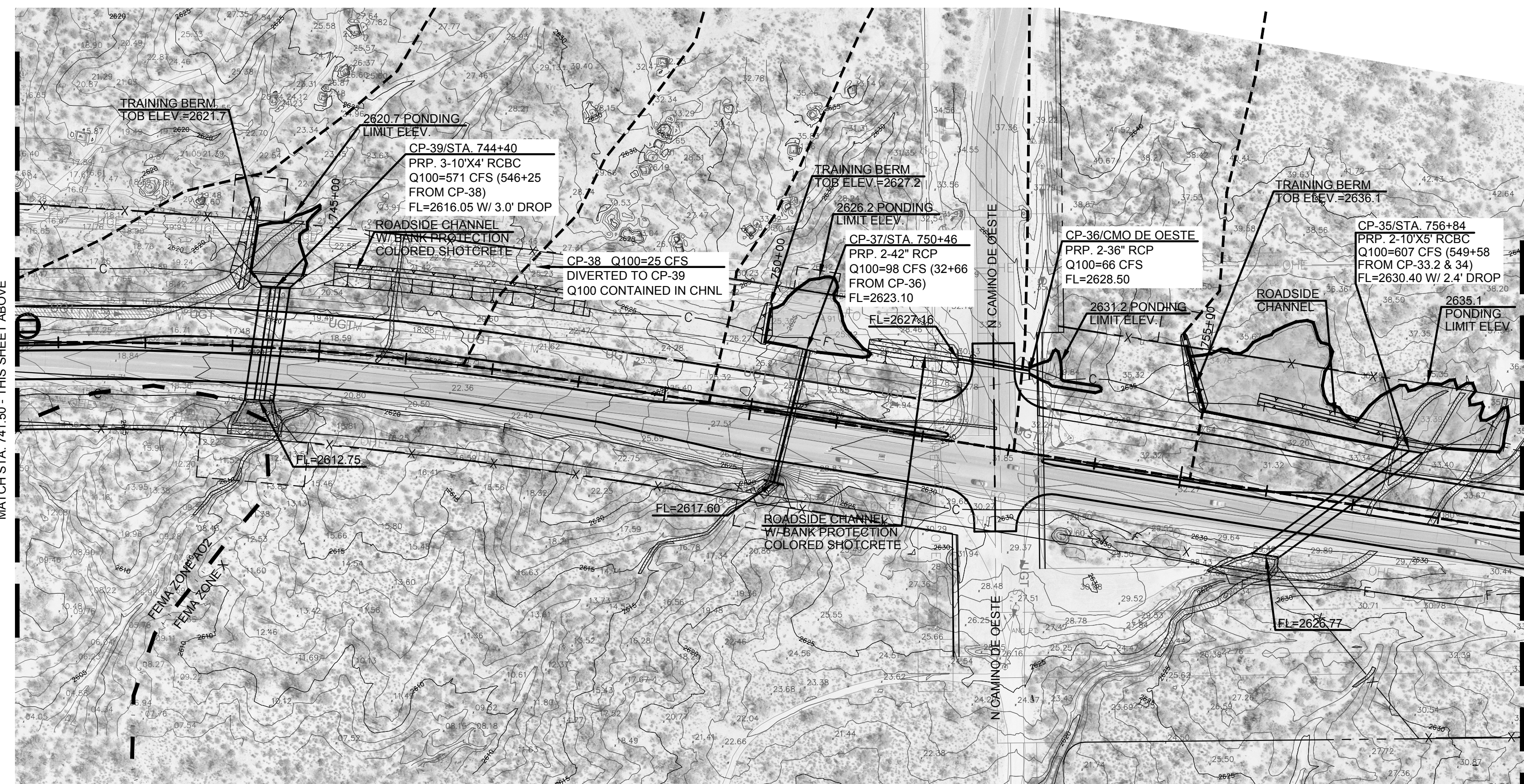
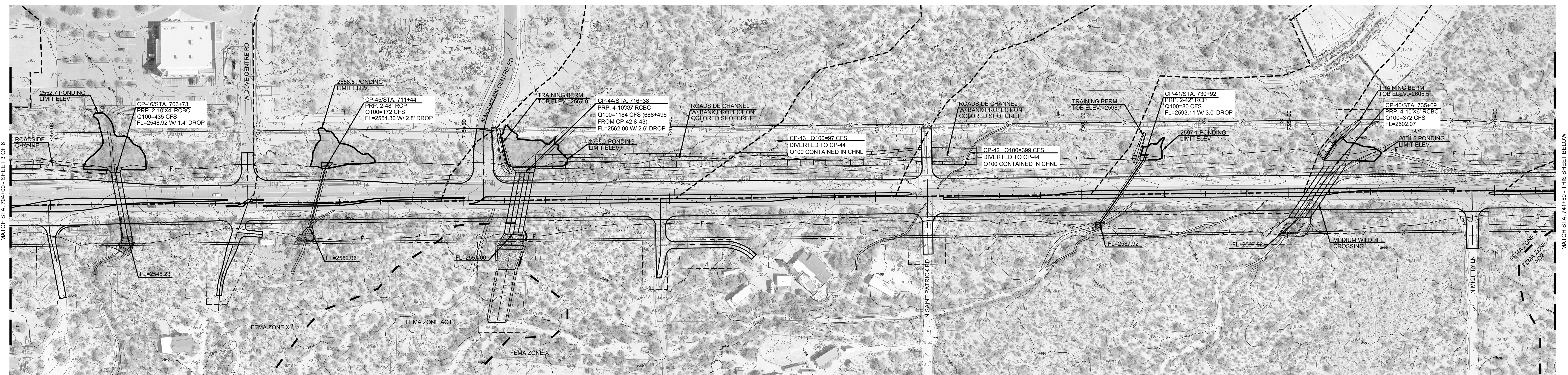
**FIGURE 7
 PROPOSED DRAINAGE
 CONDITIONS**

TANGERINE ROAD
 I-10 TO LA CANADA DR.

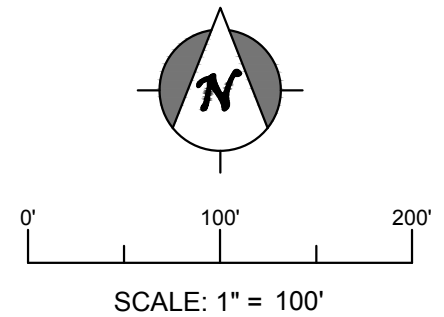
SHEET 3 OF 6

PROJECT NO:	10-027
DESIGN:	JKW
CHECKED:	JLC
DRAWN:	CRB
DATE:	02/28/2012
REV. DATE:	12/20/2012
REV. DATE:	01/31/2013
REV. DATE:	

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SHEET 1 SHEET 2 SHEET 3 SHEET 4 SHEET 5 SHEET 6



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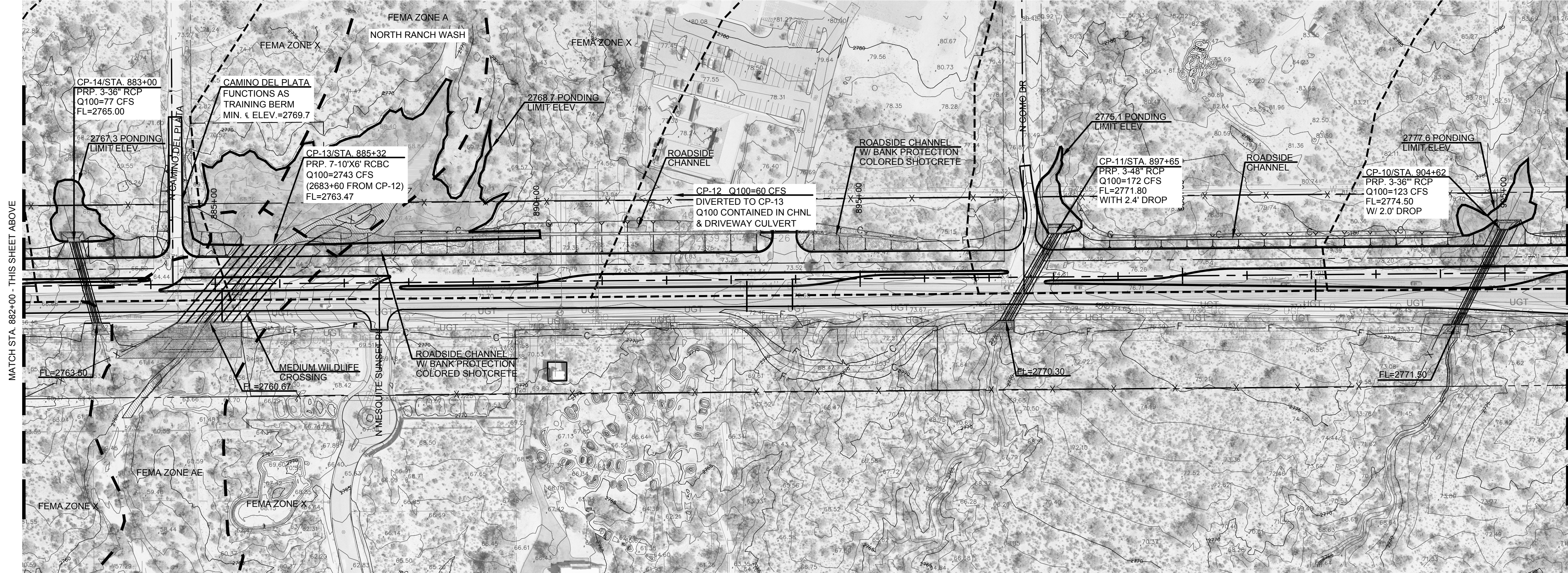
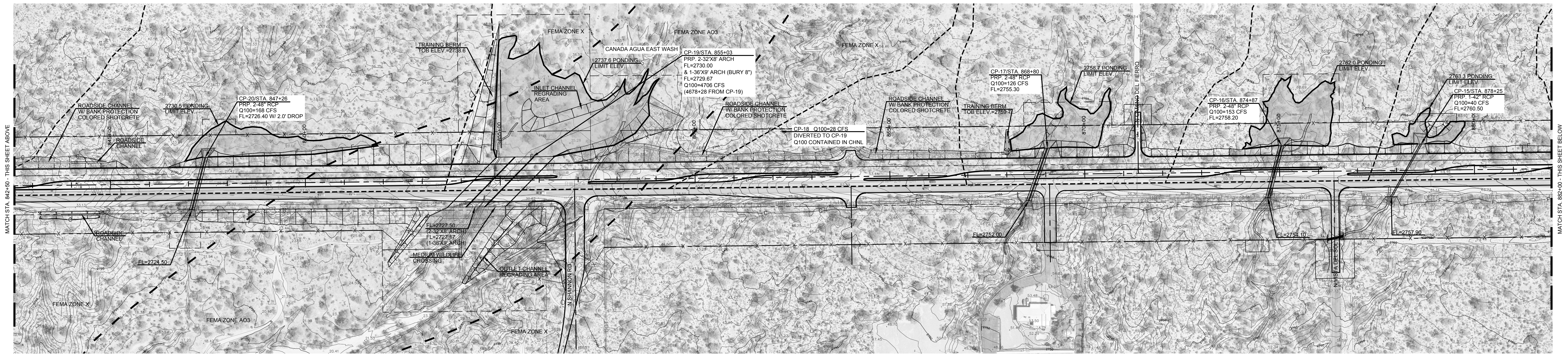
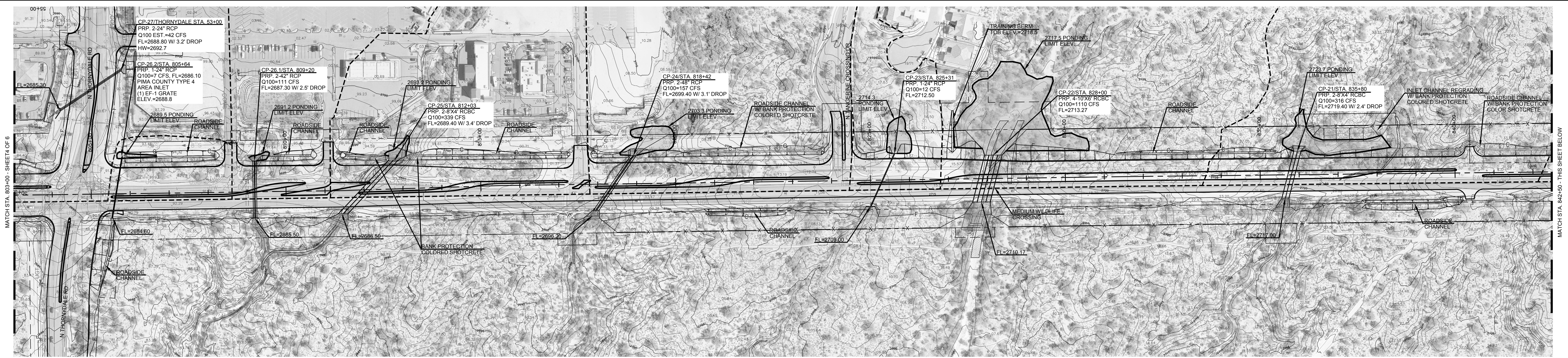
**FIGURE 7
 PROPOSED DRAINAGE
 CONDITIONS**

TANGERINE ROAD
 I-10 TO LA CANADA DR.

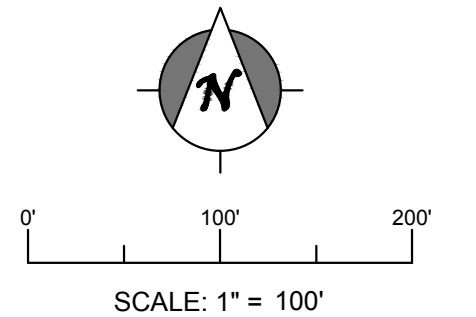
SHEET 4 OF 6

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SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5	SHEET 6
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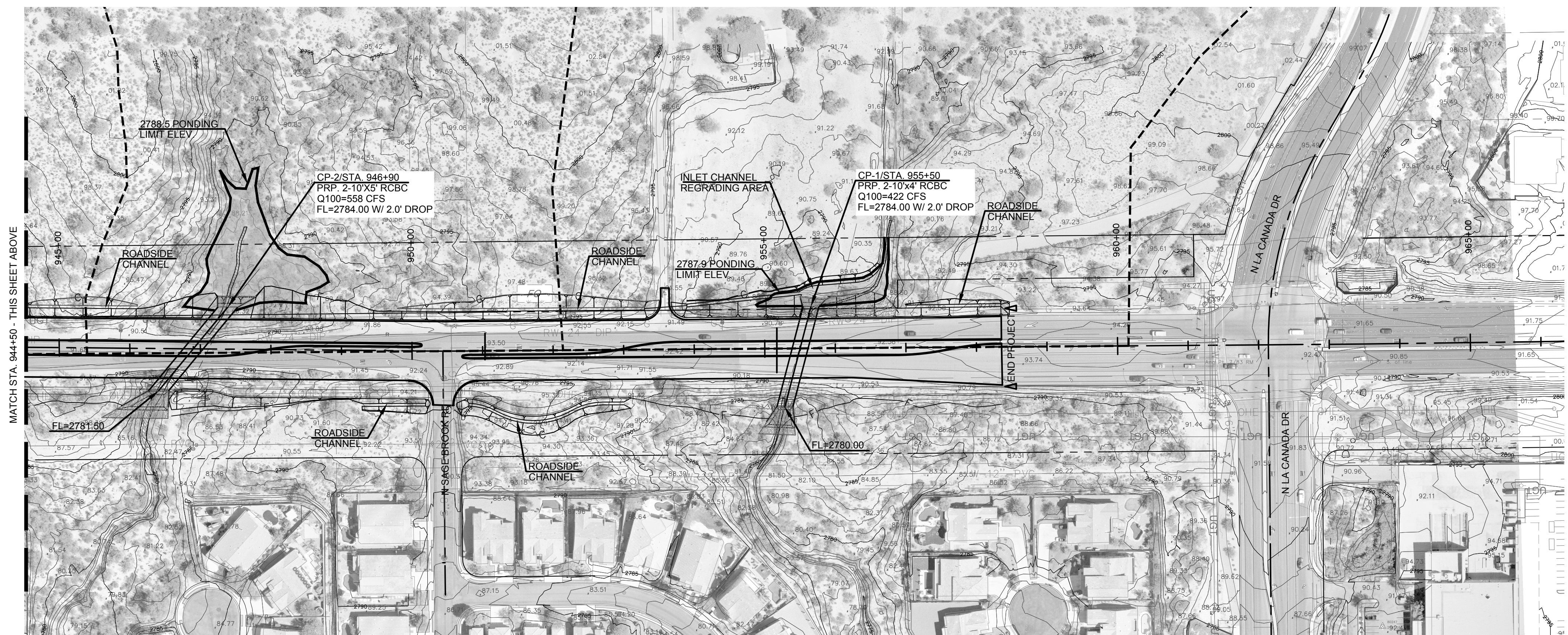
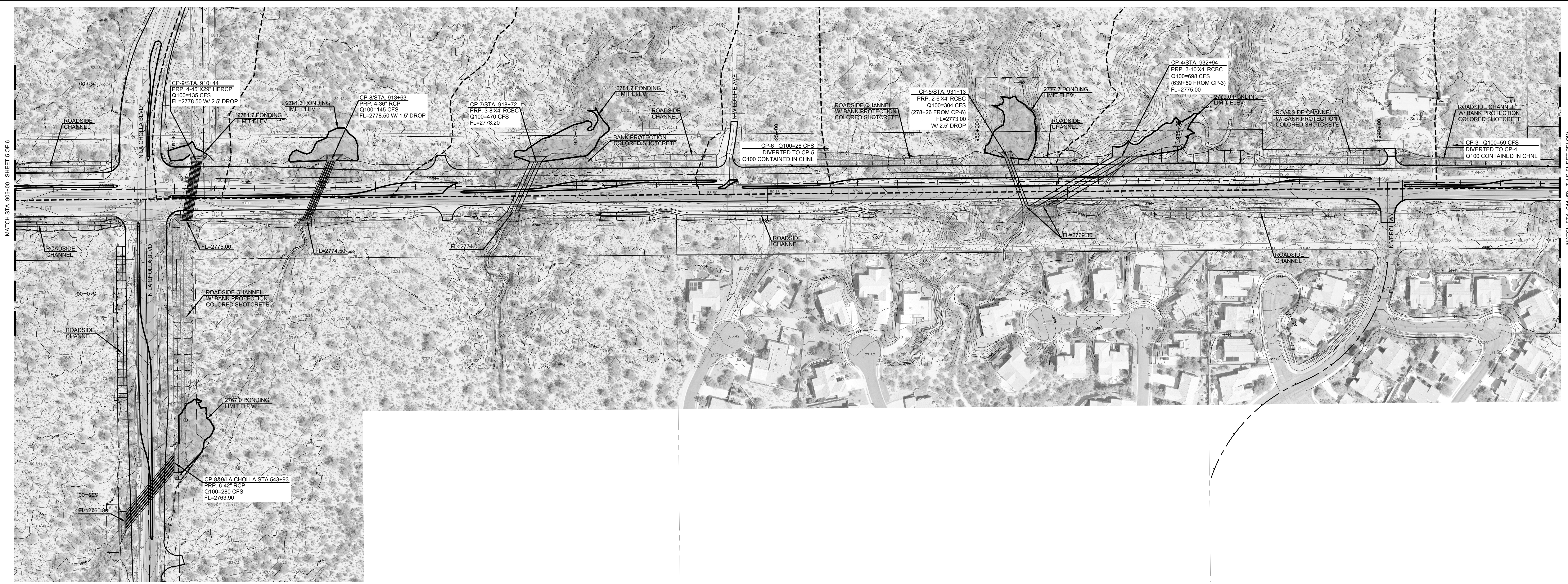
**FIGURE 7
 PROPOSED DRAINAGE
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TANGERINE ROAD
 I-10 TO LA CANADA DR.

SHEET 5 OF 6

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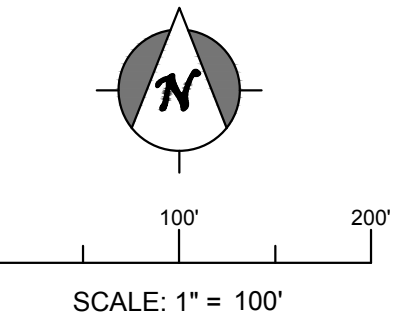
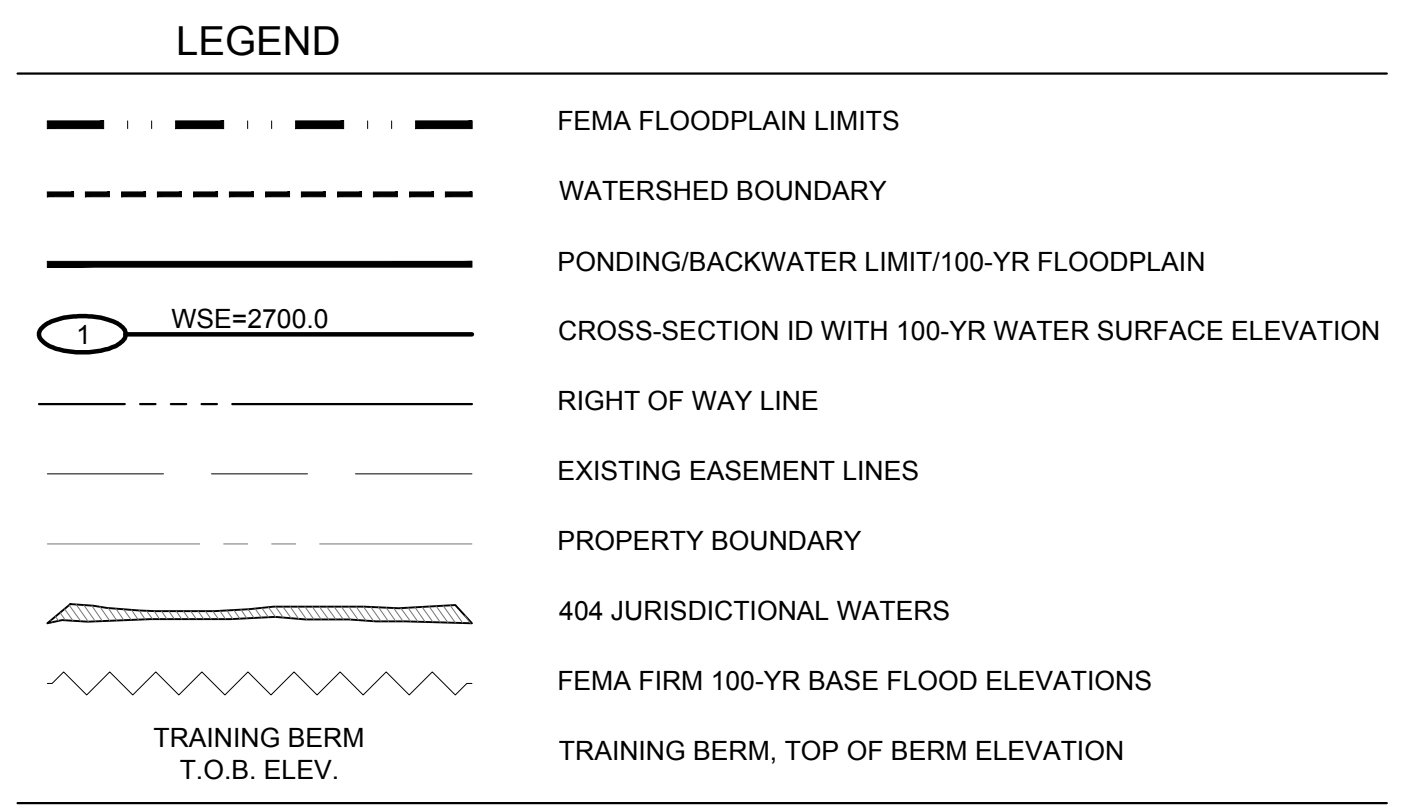
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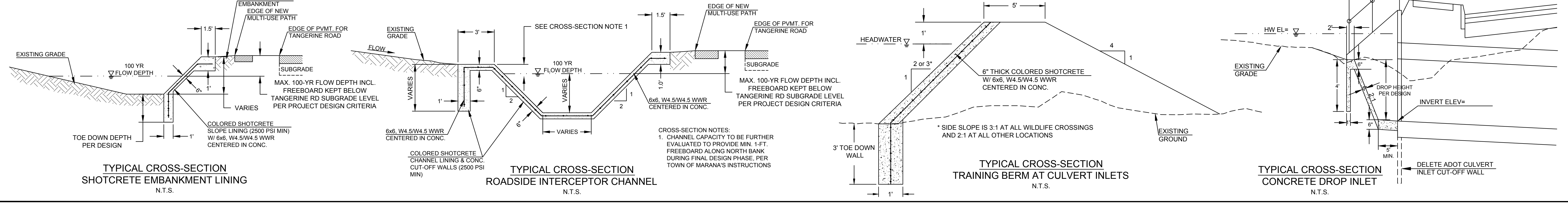
SHEET 1 SHEET 2 SHEET 3 SHEET 4 SHEET 5 SHEET 6

Grade Control Structures at Bridges

Bridges	Bridge @ Sta. 661+84	Bridge @ Sta. 575+67
D1 (ft)	8	5
D2 (ft)	15	8.5
Abutment to down depth downstream of bridge inlet (ft)	8	5
Abutment to down depth at bridge inlet and extend 110ft upstream (ft)	12.5	7.5
Training Berm to down depth (ft)	8.3	7.4
Top elev. of downstream #1 deep cut-off wall #1	2461.4	2231.8
Top elev. of downstream #1 deep cut-off wall #2	2460.8	2230.8



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**FIGURE 7
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