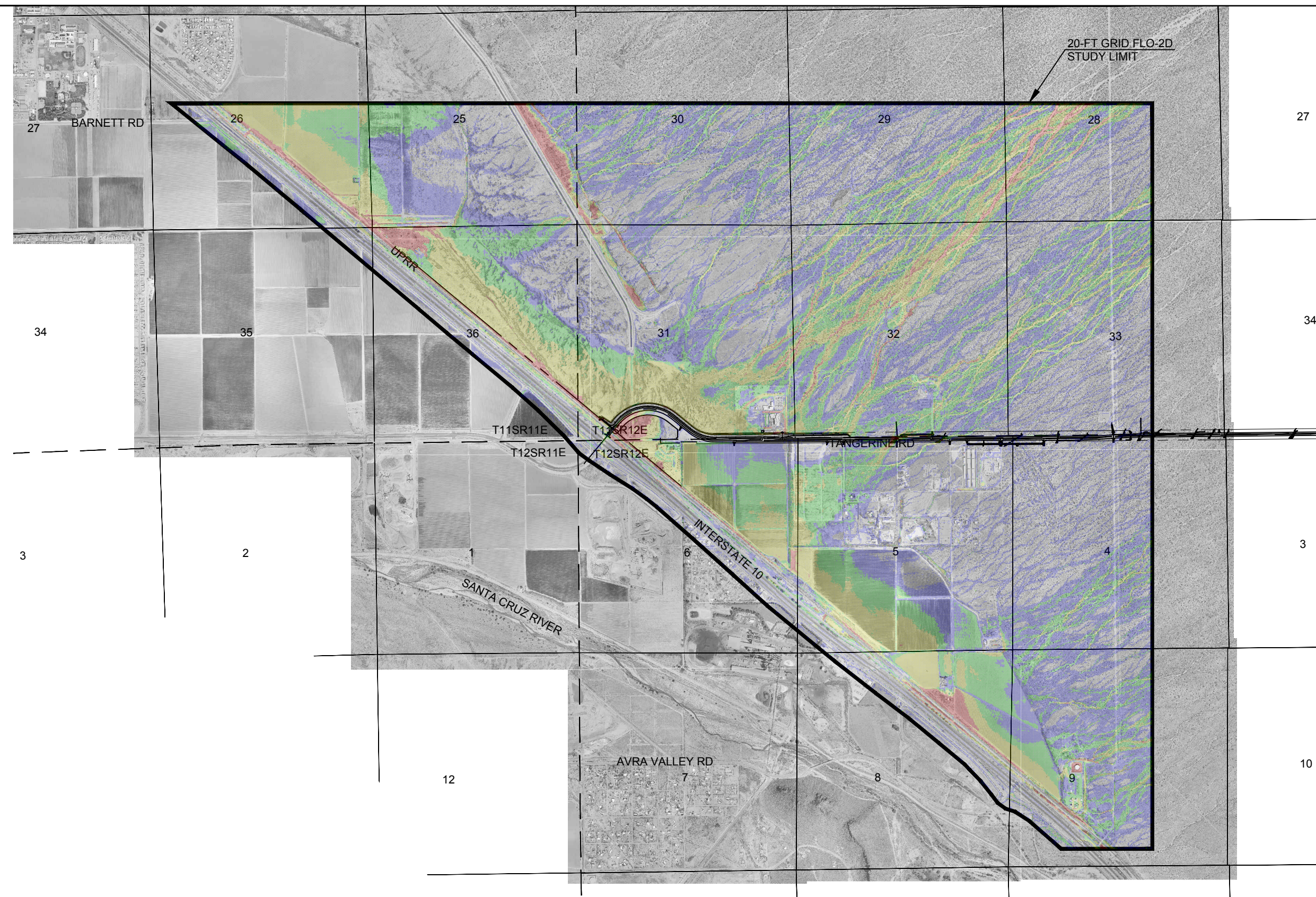


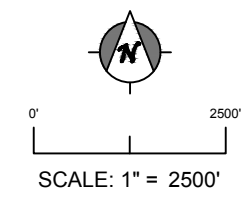
Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwg\FLO2D Depths\_M3D 2013.dwg, F2 PRP 100-YR DEPTHS, 12/27/2012



**LEGEND**  
 100-YR PRP FLOW DEPTH

- FLOW DEPTH 0.1 to 0.5 (ft)
- FLOW DEPTH 0.5 to 1.0 (ft)
- FLOW DEPTH 1.0 to 2.0 (ft)
- FLOW DEPTH 2.0 to MAX (ft)

- NOTES:**
1. VERTICAL DATUM = NAVD88  
 HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
  2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.



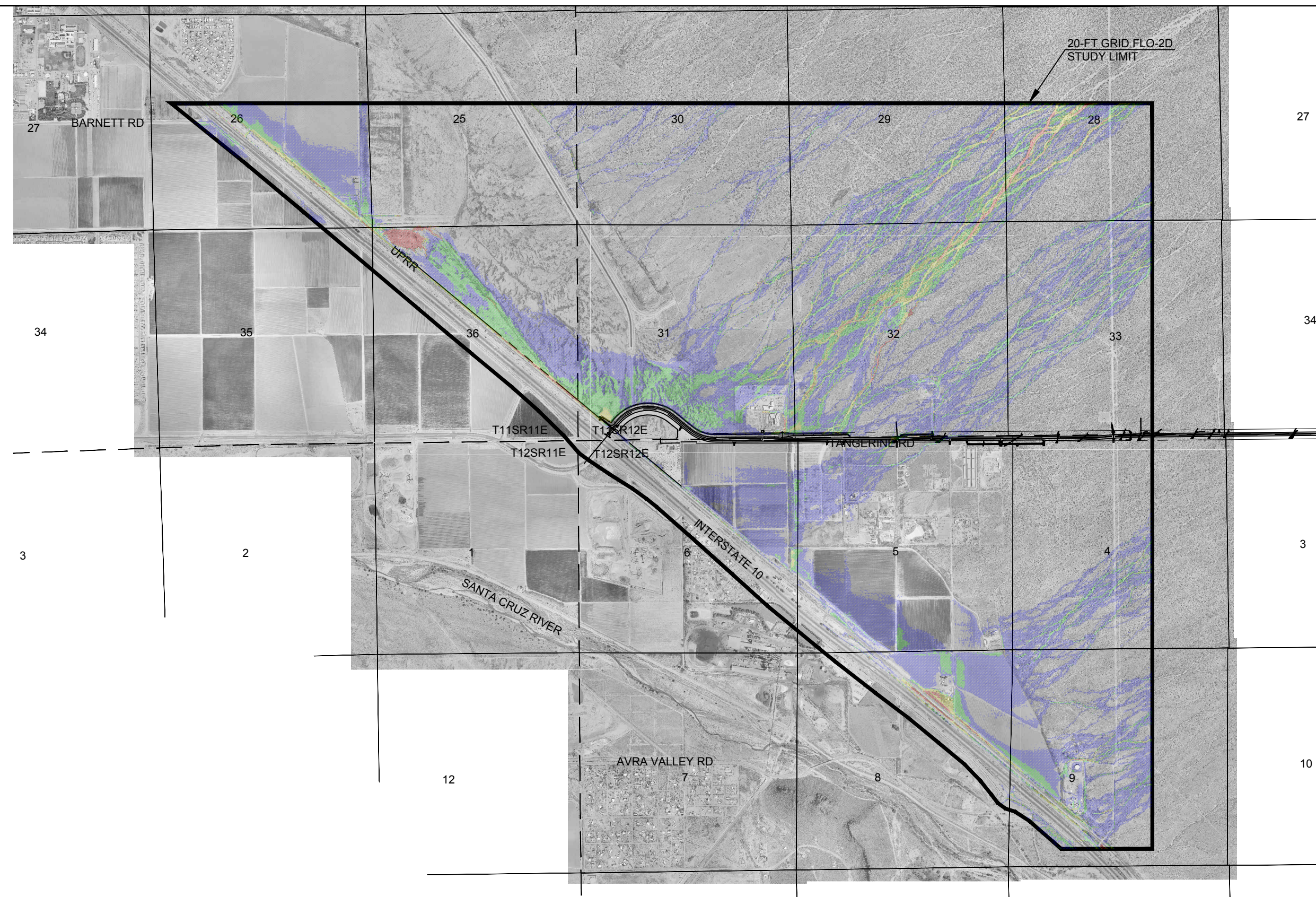
**CMG DRAINAGE ENGINEERING, INC.**  
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 Phone (520) 882-4244 Fax (520) 888-1421

PROJECT NO.:	10-027.1
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REV. DATE:	
REV. DATE:	

**FIGURE F-2**  
**PROPOSED 100-YR**  
**MAXIMUM FLOW DEPTHS**  
**TANGERINE WEST END FLO-2D**  
 SHEET 1 OF 1



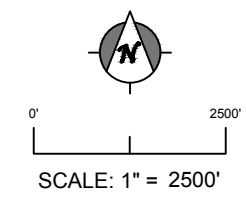
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**LEGEND**  
 10-YR PRP FLOW DEPTH

- FLOW DEPTH 0.1 to 0.5 (ft)
- FLOW DEPTH 0.5 to 1.0 (ft)
- FLOW DEPTH 1.0 to 2.0 (ft)
- FLOW DEPTH 2.0 to MAX (ft)

- NOTES:**
1. VERTICAL DATUM = NAVD88  
 HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
  2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.



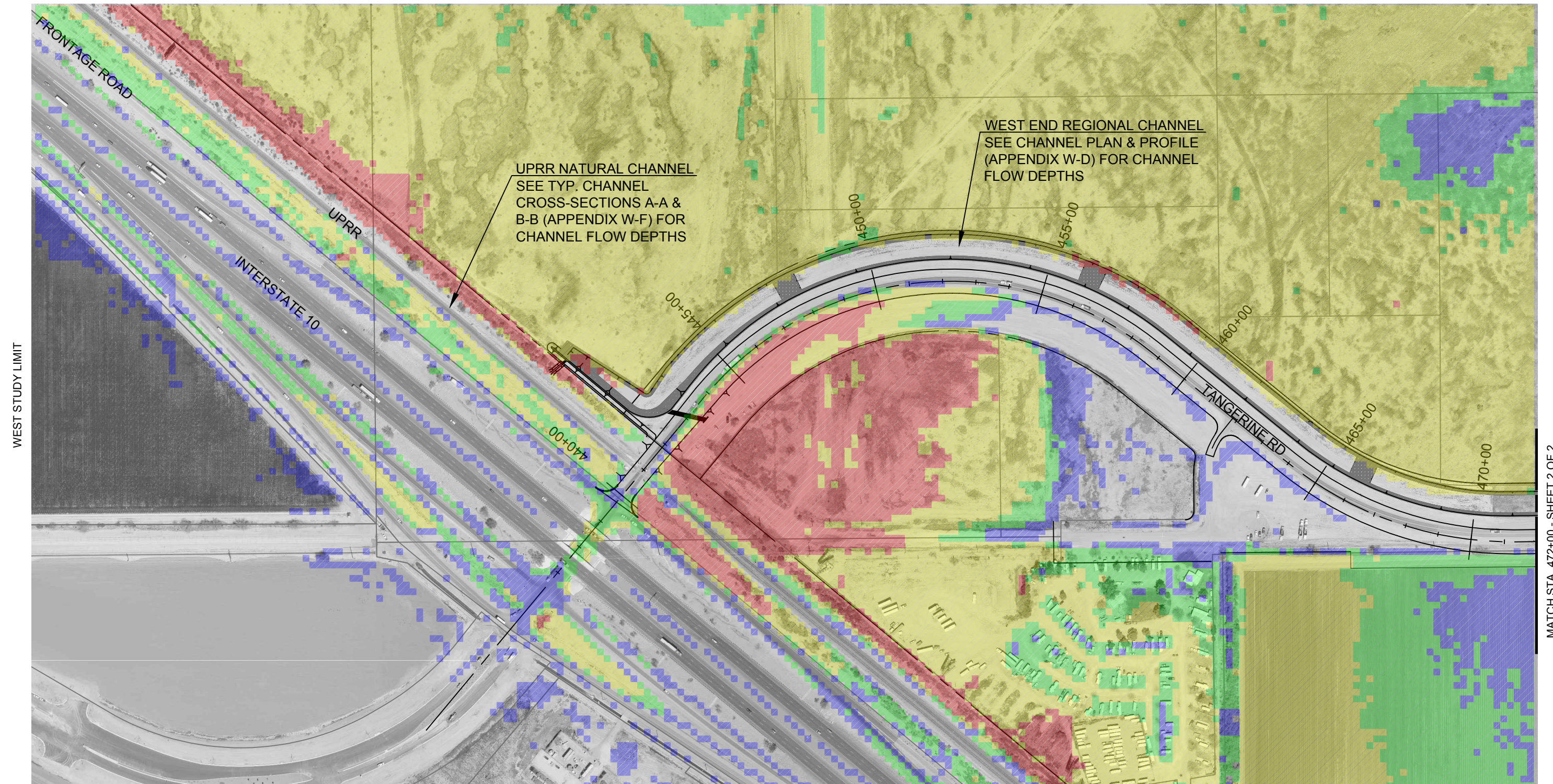
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PROJECT NO.:	10-027.1
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REV. DATE:	
REV. DATE:	

**FIGURE F-3**  
**PROPOSED 10-YR**  
**MAXIMUM FLOW DEPTHS**  
**TANGERINE WEST END FLO-2D**  
 SHEET 1 OF 1



Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwgs\FLO2D Depths\_M3D 2013.dwg, F4 PRP 100-YR RDWY DEPTHS, 1/1



WEST STUDY LIMIT

MATCH STA. 472+00 - SHEET 2 OF 2

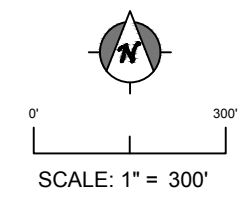
**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**

100-YR PRP FLOW DEPTH

	FLOW DEPTH 0.1 to 0.5 (ft)
	FLOW DEPTH 0.5 to 1.0 (ft)
	FLOW DEPTH 1.0 to 2.0 (ft)
	FLOW DEPTH 2.0 to MAX (ft)



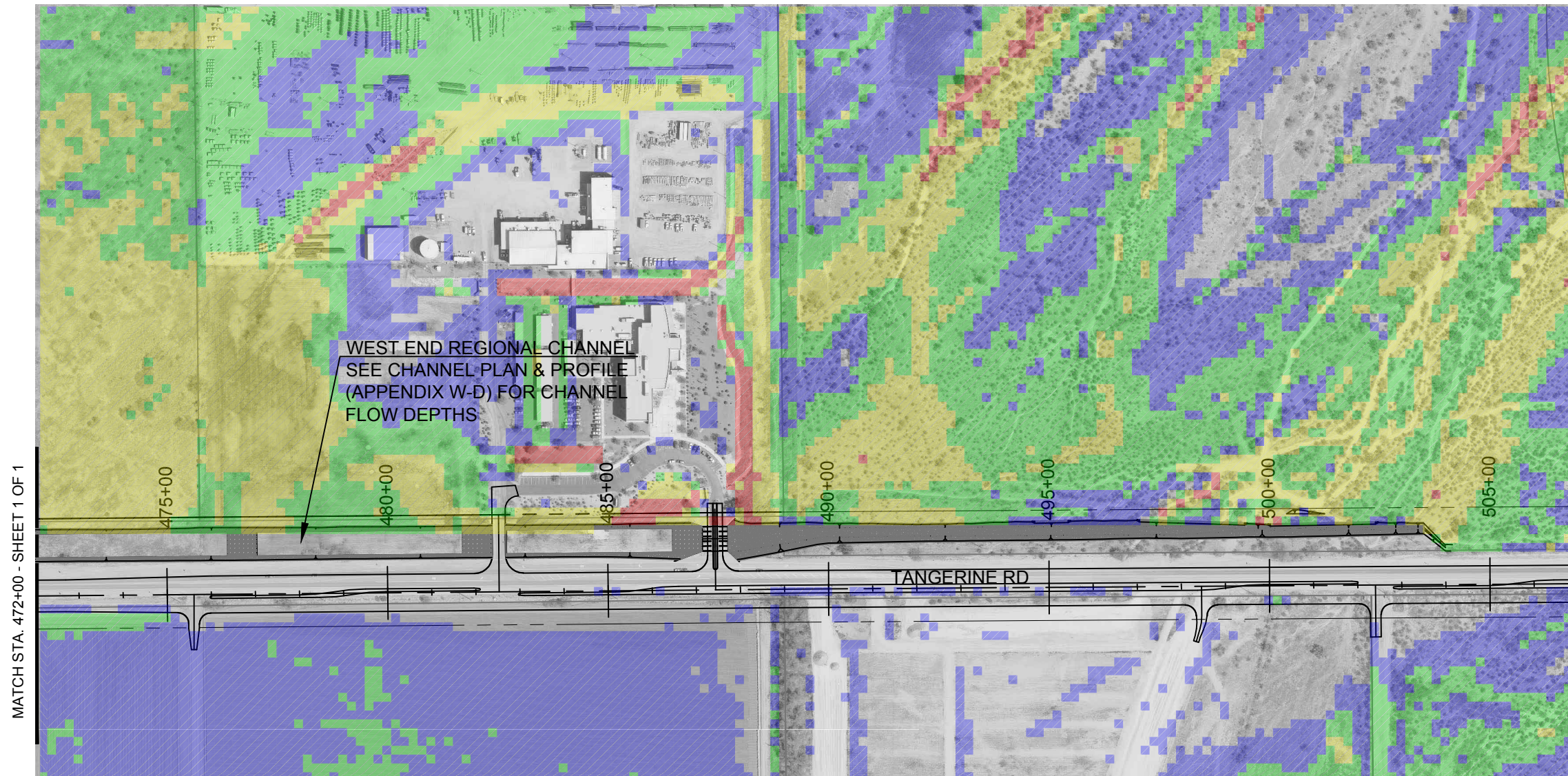
3555 N. Mountain Ave. Tucson, Arizona 85719  
Phone (520) 882-4244 Fax (520) 888-1421

PROJECT NO.:	10-027.1
DESIGN:	JKW
CHECKED:	JKW
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DATE:	12/20/2012
REV. DATE:	01/31/2013
REV. DATE:	
REV. DATE:	

**FIGURE F-4**  
**PROPOSED 100-YR FLOW DEPTHS AT TANGERINE RD.**  
TANGERINE WEST END FLO-2D  
SHEET 1 OF 2



Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwg\FLO2D Depths\_M3D 2013.dwg, F4 PRP 100-YR RDWY DEPTHS, 1/1



MATCH STA. 472+00 - SHEET 1 OF 1

STA. 507+00 - EAST STUDY LIMIT

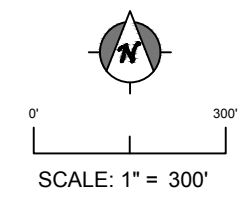
**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**

100-YR PRP FLOW DEPTH

	FLOW DEPTH 0.1 to 0.5 (ft)
	FLOW DEPTH 0.5 to 1.0 (ft)
	FLOW DEPTH 1.0 to 2.0 (ft)
	FLOW DEPTH 2.0 to MAX (ft)



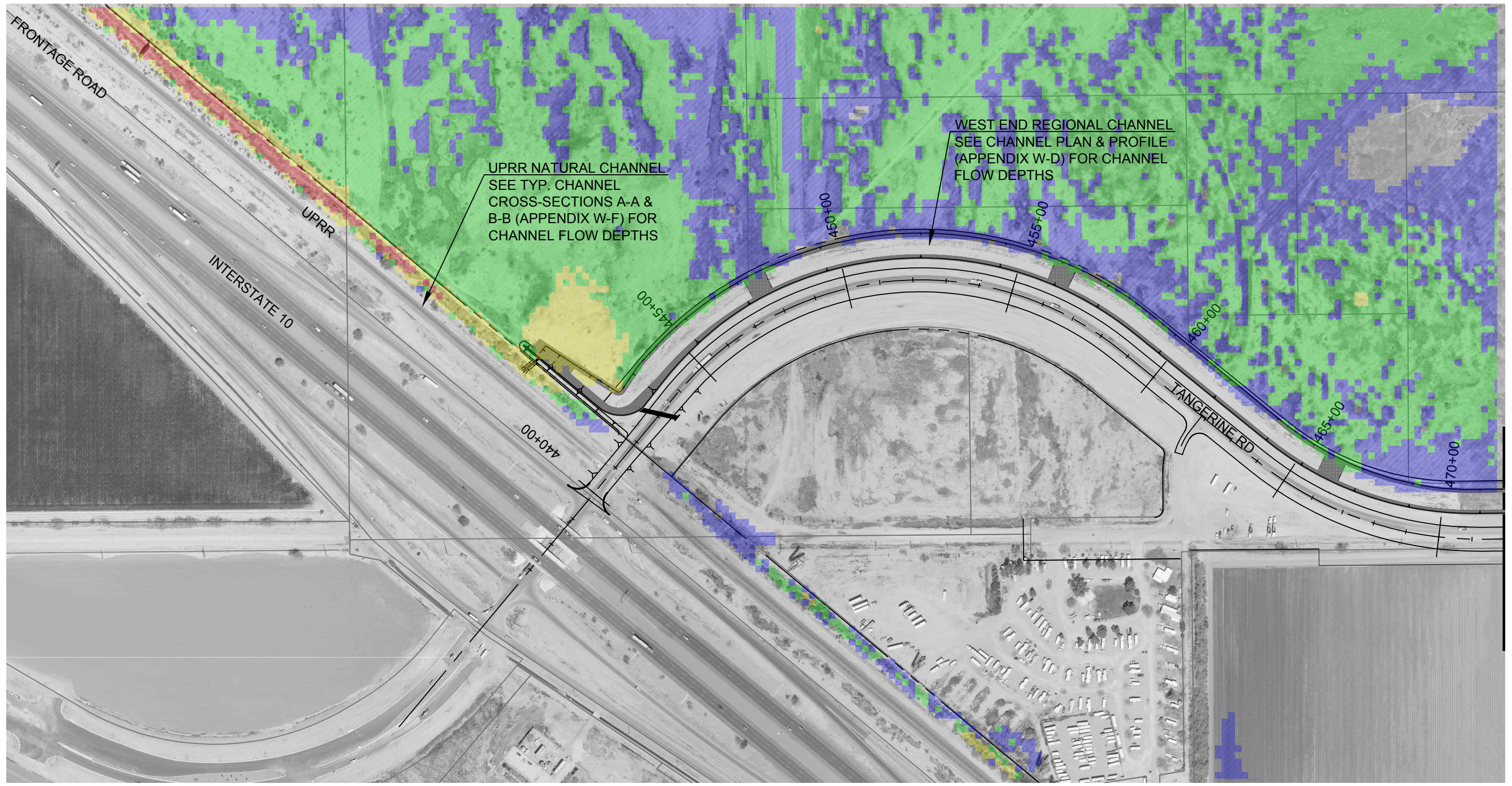
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PROJECT NO.:	10-027.1
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CHECKED:	JKW
DRAWN:	CRB
DATE:	12/20/2012
REV. DATE:	01/31/2013
REV. DATE:	
REV. DATE:	

**FIGURE F-4**  
**PROPOSED 100-YR FLOW DEPTHS AT TANGERINE RD.**  
TANGERINE WEST END FLO-2D  
SHEET 2 OF 2



Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwgs\FLO2D Depths\_M3D 2013.dwg, F5 PRP 10-YR RDWY DEPTHS, 1/16



WEST STUDY LIMIT

MATCH STA. 472+00 - SHEET 2 OF 2

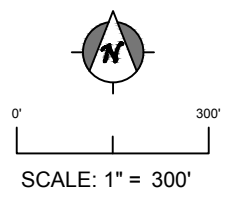
**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**

10-YR PRP FLOW DEPTH

	FLOW DEPTH 0.1 to 0.5 (ft)
	FLOW DEPTH 0.5 to 1.0 (ft)
	FLOW DEPTH 1.0 to 2.0 (ft)
	FLOW DEPTH 2.0 to MAX (ft)



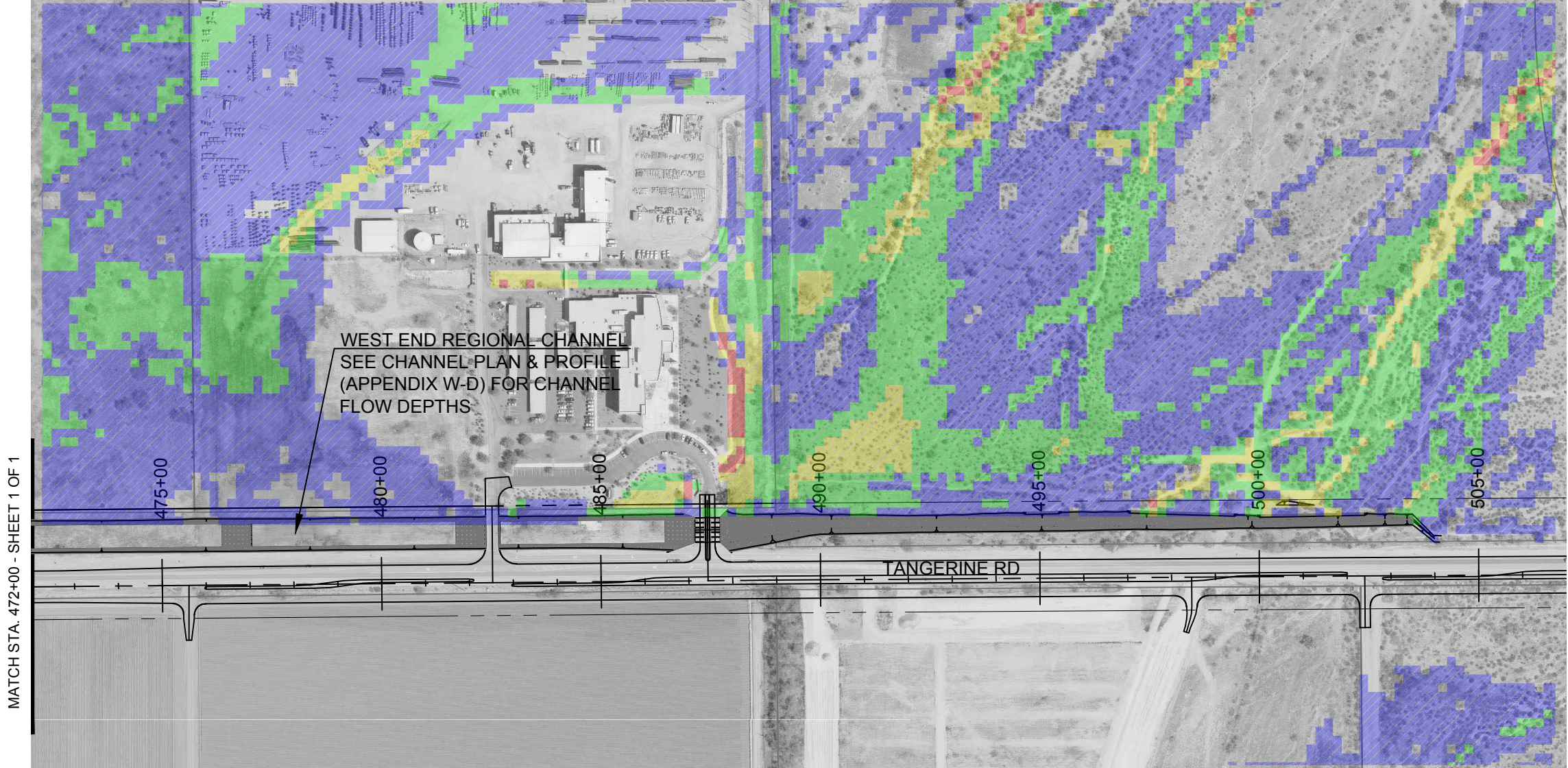
**CMG DRAINAGE ENGINEERING, INC.**  
 3555 N. Mountain Ave. Tucson, Arizona 85719  
 Phone (520) 882-4244 Fax (520) 888-1421

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DATE:	12/20/2012
REV. DATE:	01/31/2013
REV. DATE:	
REV. DATE:	

**FIGURE F-5**  
**PROPOSED 10-YR FLOW DEPTHS AT TANGERINE RD.**  
 TANGERINE WEST END FLO-2D  
 SHEET 1 OF 2



Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwg\FLO2D Depths\_M3D 2013.dwg, F5 PRP 10-YR RDWY DEPTHS, 1/16



MATCH STA. 472+00 - SHEET 1 OF 1

STA. 507+00 - EAST STUDY LIMIT

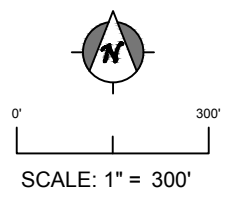
**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**

10-YR PRP FLOW DEPTH

	FLOW DEPTH 0.1 to 0.5 (ft)
	FLOW DEPTH 0.5 to 1.0 (ft)
	FLOW DEPTH 1.0 to 2.0 (ft)
	FLOW DEPTH 2.0 to MAX (ft)



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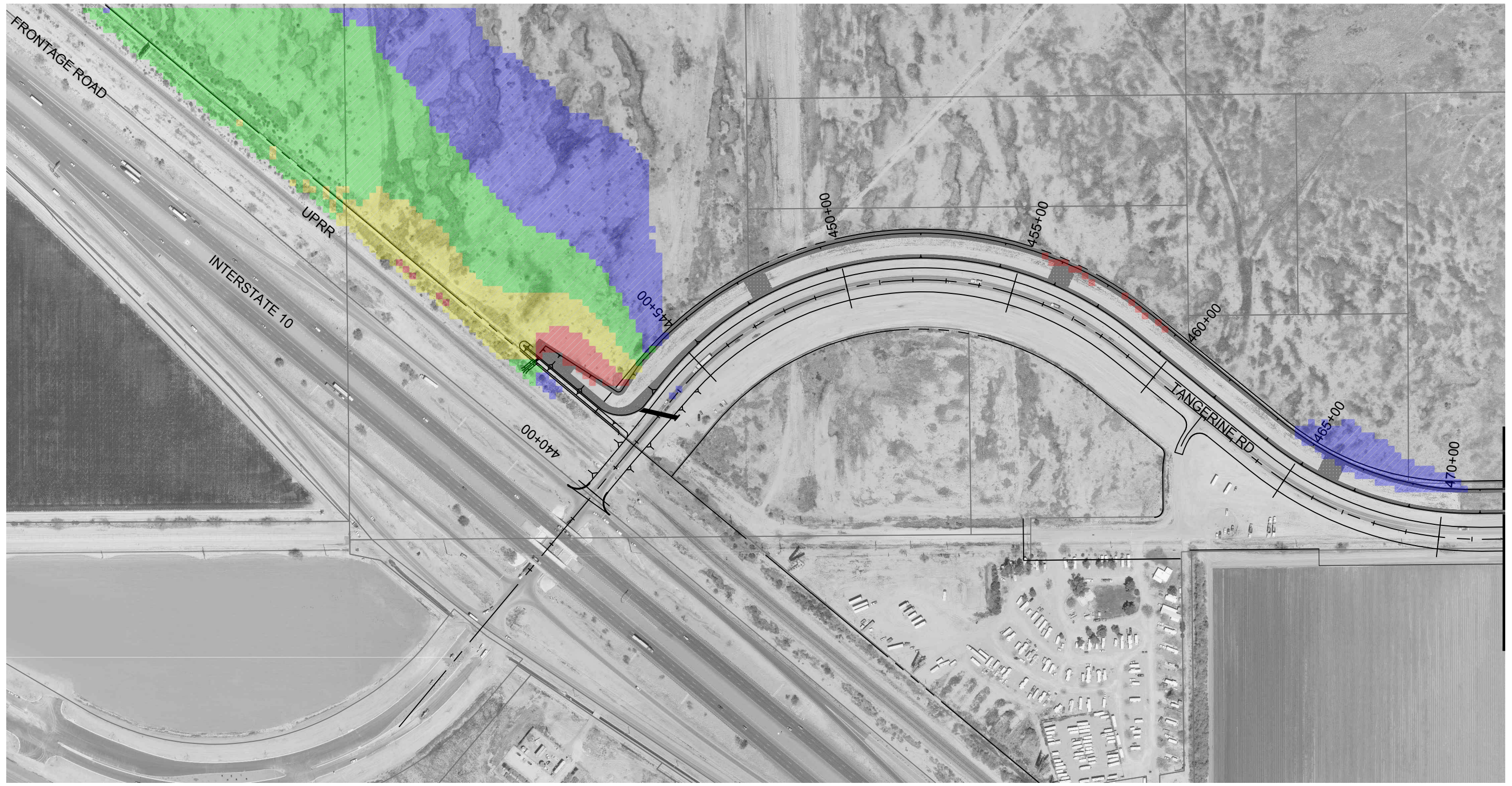
3555 N. Mountain Ave. Tucson, Arizona 85719  
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PROJECT NO.:	10-027.1
DESIGN:	JKW
CHECKED:	JKW
DRAWN:	CRB
DATE:	12/20/2012
REV. DATE:	01/31/2013
REV. DATE:	
REV. DATE:	

**FIGURE F-5**  
**PROPOSED 10-YR FLOW DEPTHS AT TANGERINE RD.**  
TANGERINE WEST END FLO-2D  
SHEET 2 OF 2



Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwgs\FLO2D Vel & Increases\_M3D 2013.dwg, F6 100-YR RDWY COMPAR



WEST STUDY LIMIT

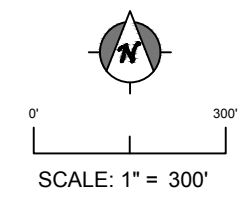
MATCH STA. 472+00 - SHEET 2 OF 2

**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**  
100-YR FLOW DEPTH INCREASES

	FLOW DEPTH INCREASE 0.1 to 0.3 (ft)
	FLOW DEPTH INCREASE 0.3 to 0.5 (ft)
	FLOW DEPTH INCREASE 0.5 to 0.7 (ft)
	FLOW DEPTH INCREASE 0.7 to 1.0 (ft)




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REV. DATE:	
REV. DATE:	

**FIGURE F-6**  
**PROPOSED 100-YR FLOW DEPTH INCREASES**  
 TANGERINE WEST END FLO-2D  
 SHEET 1 OF 2





MATCH STA. 472+00 - SHEET 1 OF 1

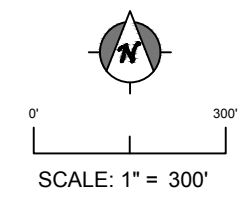
STA. 507+00 - EAST STUDY LIMIT

**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**  
100-YR FLOW DEPTH INCREASES

	FLOW DEPTH INCREASE 0.1 to 0.3 (ft)
	FLOW DEPTH INCREASE 0.3 to 0.5 (ft)
	FLOW DEPTH INCREASE 0.5 to 0.7 (ft)
	FLOW DEPTH INCREASE 0.7 to 1.0 (ft)



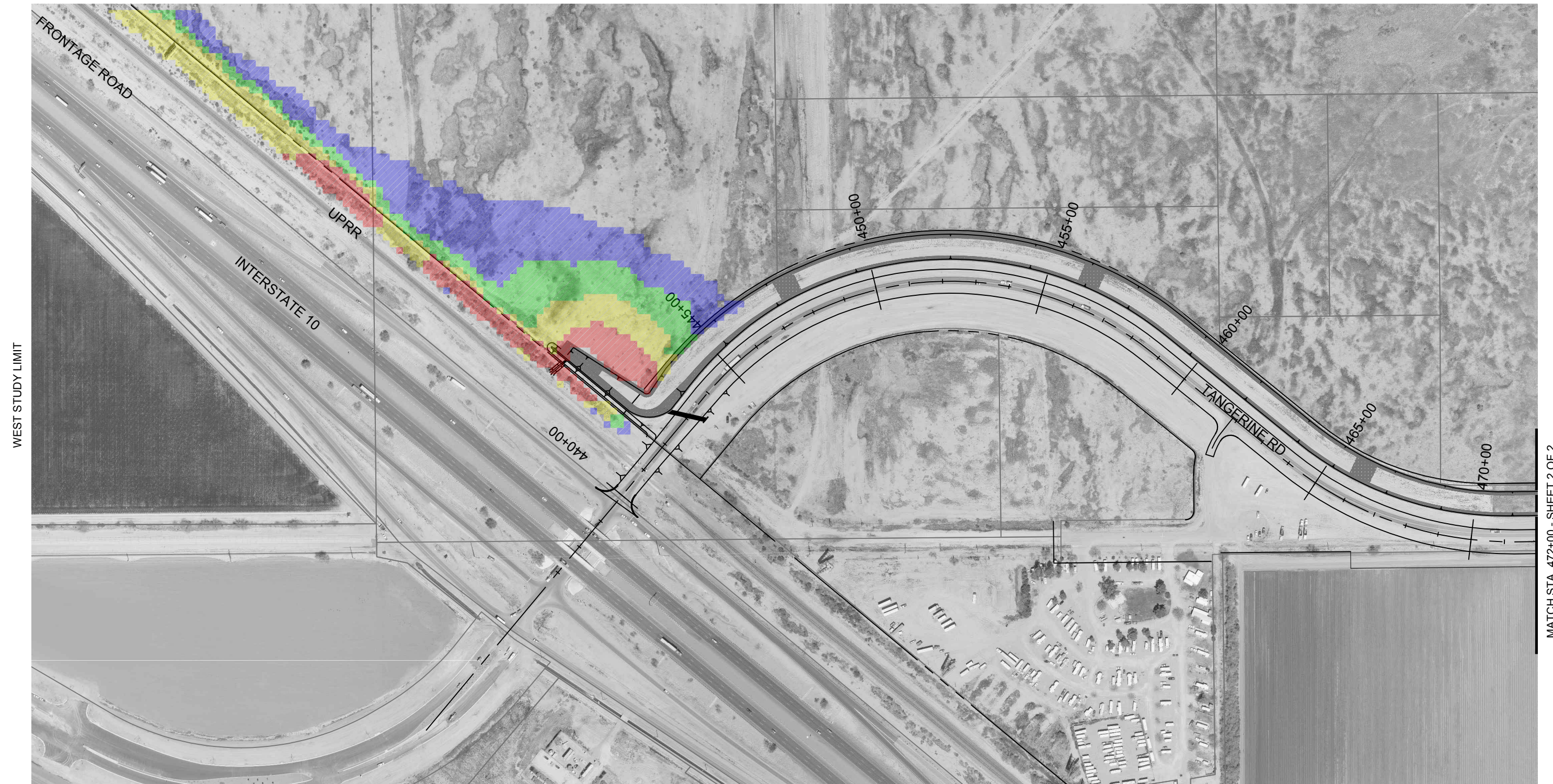

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DRAWN:	CRB
DATE:	12/20/2012
REV. DATE:	
REV. DATE:	
REV. DATE:	

**FIGURE F-6**  
**PROPOSED 100-YR FLOW DEPTH INCREASES**  
**TANGERINE WEST END FLO-2D**  
**SHEET 2 OF 2**



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WEST STUDY LIMIT

MATCH STA. 472+00 - SHEET 2 OF 2

### LEGEND

#### 10-YR FLOW DEPTH INCREASES

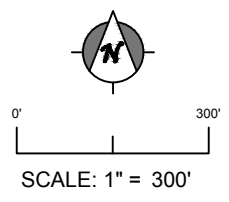
- FLOW DEPTH INCREASE 0.1 to 0.3 (ft)
- FLOW DEPTH INCREASE 0.3 to 0.5 (ft)
- FLOW DEPTH INCREASE 0.5 to 0.7 (ft)
- FLOW DEPTH INCREASE 0.7 to 1.0 (ft)

### NOTES:

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.



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REV. DATE:	

**FIGURE F-7**  
**PROPOSED 10-YR FLOW DEPTH INCREASES**  
TANGERINE WEST END FLO-2D  
SHEET 1 OF 2



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MATCH STA. 472+00 - SHEET 1 OF 1



STA. 507+00 - EAST STUDY LIMIT

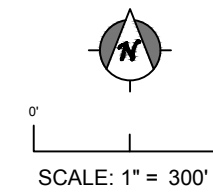
**NOTES:**

1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.

**LEGEND**

10-YR FLOW DEPTH INCREASES

- FLOW DEPTH INCREASE 0.1 to 0.3 (ft)
- FLOW DEPTH INCREASE 0.3 to 0.5 (ft)
- FLOW DEPTH INCREASE 0.5 to 0.7 (ft)
- FLOW DEPTH INCREASE 0.7 to 1.0 (ft)



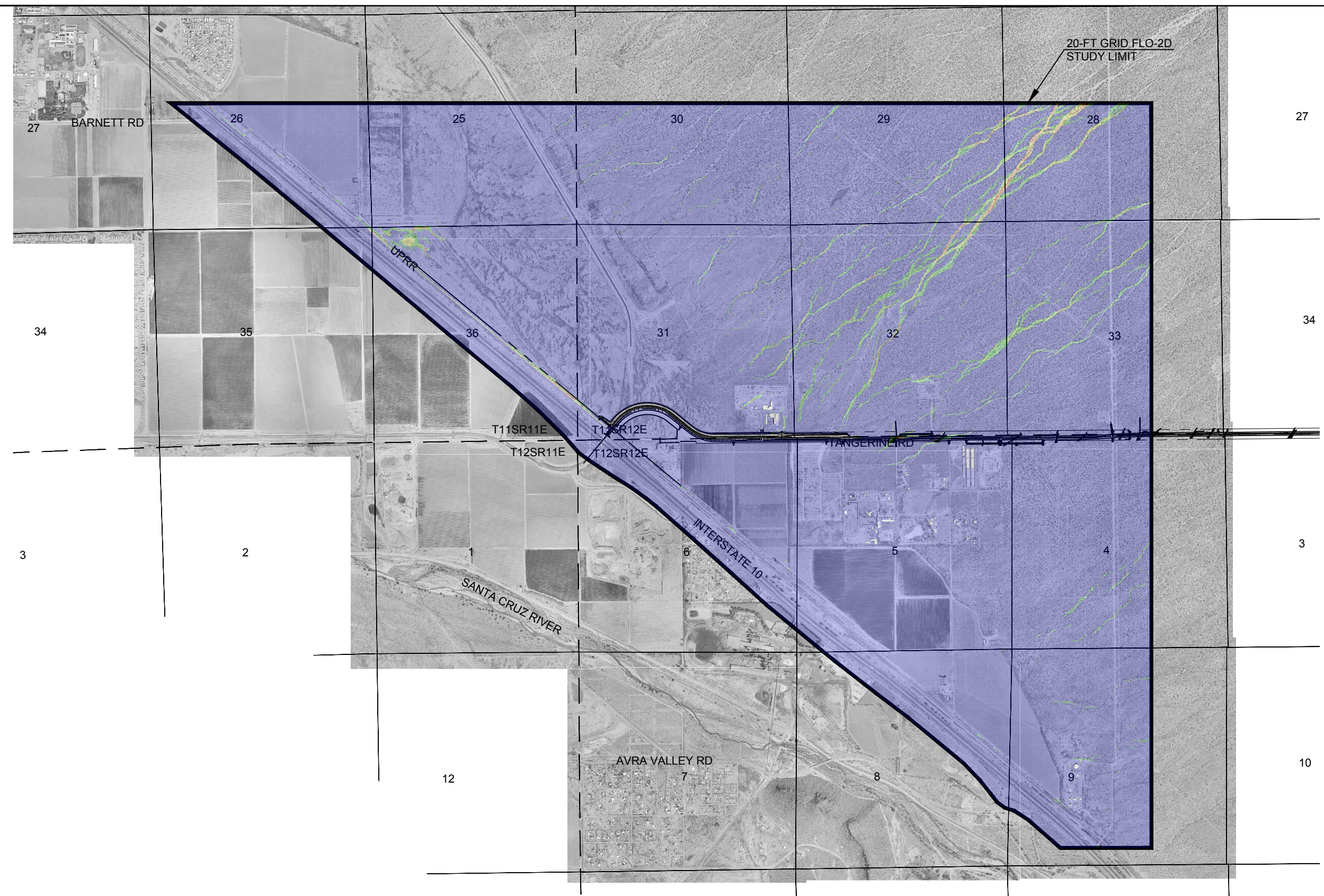
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DATE:	12/20/2012
REV. DATE:	
REV. DATE:	
REV. DATE:	

**FIGURE F-7**  
**PROPOSED 10-YR FLOW**  
**DEPTH INCREASES**  
**TANGERINE WEST END FLO-2D**  
**SHEET 2 OF 2**



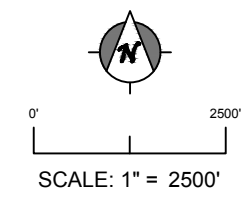
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**LEGEND**  
 100-YR PRP VELOCITY

- VELOCITIES 0 to 3 (fps)
- VELOCITIES 3 to 5 (fps)
- VELOCITIES 5 to 7 (fps)
- VELOCITIES 7 to MAX (fps)

- NOTES:**
- VERTICAL DATUM = NAVD88  
 HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
  - AERIAL PHOTO PROVIDED BY PAG, DATED 2008.



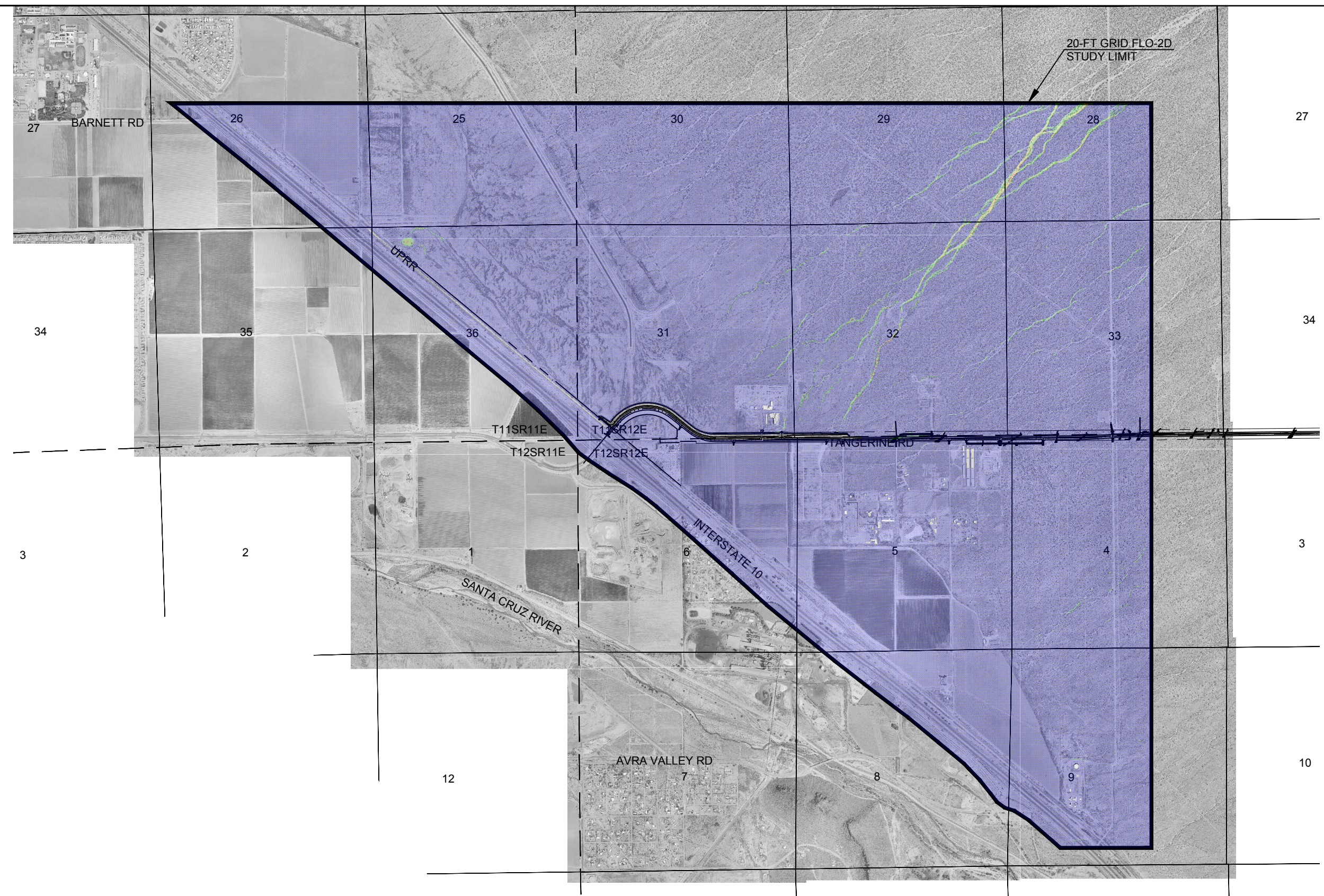
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REV. DATE:	
REV. DATE:	

**FIGURE F-8**  
**PROPOSED 100-YR MAXIMUM FLOW VELOCITIES**  
 TANGERINE WEST END FLO-2D  
 SHEET 1 OF 1



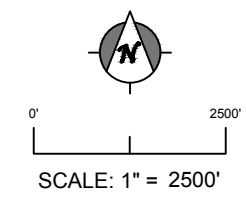
Z:\PROJECTS\2010\10-027 Psomas-Tangerine Rd I-10 to La Canada\10-027.1 West End Analysis\dwg\FLO2D Vel & Increases\_M3D 2013.dwg, F9 PRP 10-YR VEL, 12/27/20



**LEGEND**  
10-YR PRP VELOCITY

- VELOCITIES 0 to 3 (fps)
- VELOCITIES 3 to 5 (fps)
- VELOCITIES 5 to 7 (fps)
- VELOCITIES 7 to MAX (fps)

- NOTES:**
1. VERTICAL DATUM = NAVD88  
HORIZONTAL PROJECTION = ARIZONA STATE PLANE CENTRAL, NAD83 HARN
  2. AERIAL PHOTO PROVIDED BY PAG, DATED 2008.



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REV. DATE:	

**FIGURE F-9**  
**PROPOSED 10-YR MAXIMUM**  
**FLOW VELOCITIES**  
TANGERINE WEST END FLO-2D  
SHEET 1 OF 1