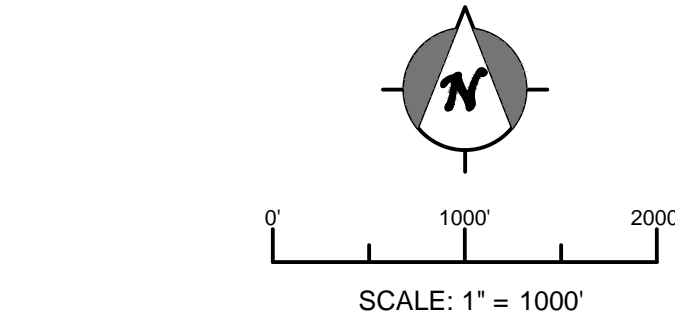
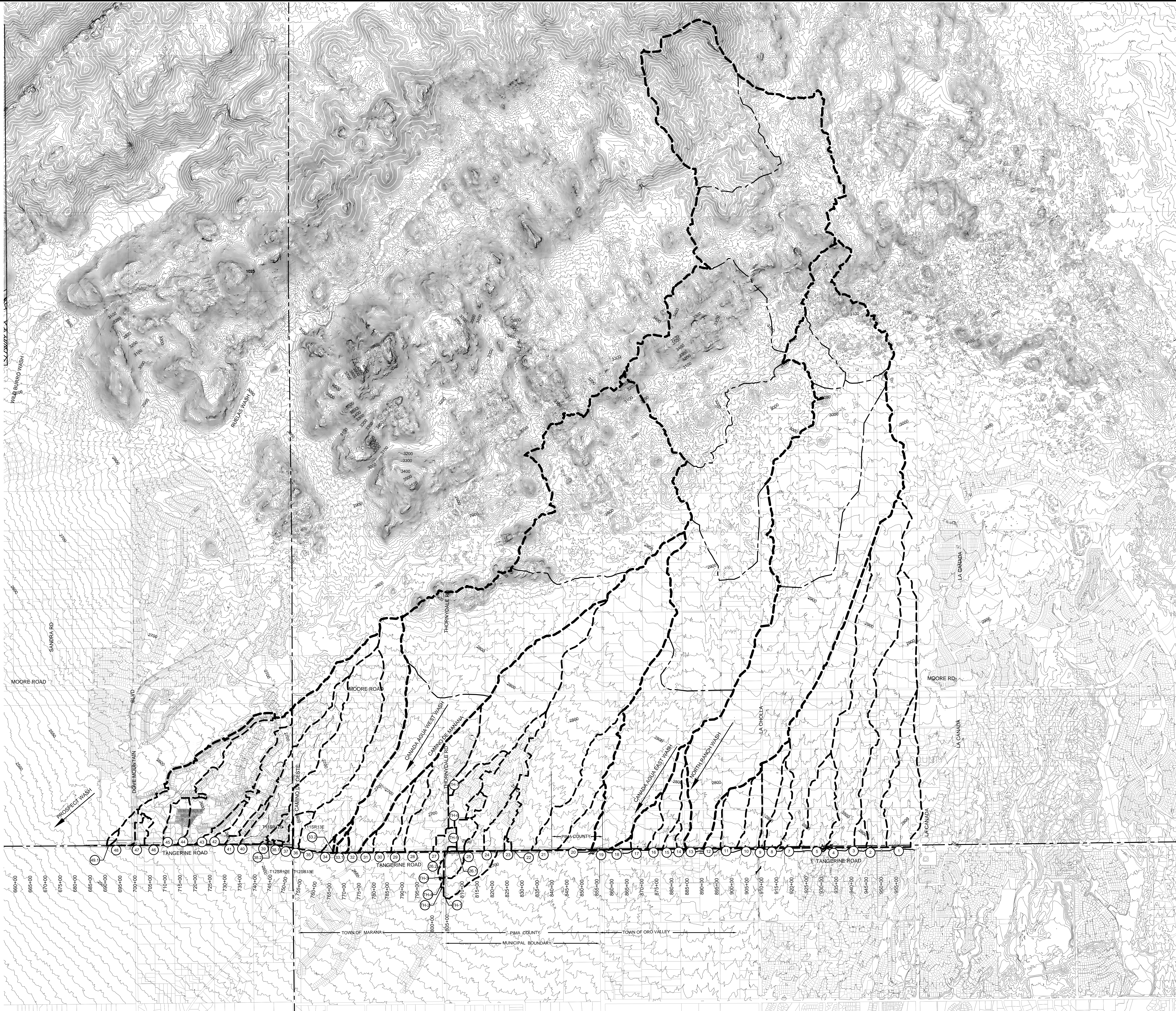


Z:\1500\2703\201111-024_Planos-Tangerine_Rd-Dove_Mtn_to-La_Canada\Draw\15-024_Fig_3-5-watershed.dwg (Fig_3-5-watershed.dwg) Plotted: Jun 03, 2016 at 8:42am by Robin



SUMMARY OF PROPOSED CONDITIONS
100-YEAR PEAK DISCHARGE RATE

| Concentration Point | WS Area (acres) | Q100 (cfs) |
|---------------------|-----------------|------------|
| 1 | 89.8 | 422 |
| 2 | 180.9 | 558 |
| 3 | 7.8 | 59 |
| 4 | 265.9 | 639 |
| 5 | 56.8 | 296 |
| 6 | OMITTED | |
| 7 | 185.4 | 470 |
| 8 | 39.8 | 145 |
| 9 | 34.5 | 135 |
| 10 | 25.3 | 123 |
| 11 | 35.7 | 172 |
| 12 | 12.3 | 60 |
| 13* | 1,202.40 | 2,683 |
| 14 | 17.9 | 77 |
| 15 | 6.7 | 40 |
| 16 | 37.1 | 153 |
| 17 | 25.6 | 126 |
| 18 | 4.3 | 28 |
| 19* | 2,317.40 | 4,678 |
| 20 | 31.6 | 168 |
| 21 | 86.7 | 316 |
| 22 | 47.4 | 1,110 |
| 23 | 1.8 | 12 |
| 24 | 26.1 | 157 |
| 25 | 72.8 | 339 |
| 26.1 | 19.7 | 111 |
| 26.2 | 1.1 | 7 |
| 27 | 9.5 | 63 |
| 28 | 321.4 | 810 |
| 29 | 27.6 | 127 |
| 30 | 27.6 | 140 |
| 31 | 4.7 | 31 |
| 32* | 1,170.90 | 2,574 |
| 33.1 | 3.5 | 26 |
| 33.2 | 5.0 | 38 |
| 34 | 2.6 | 20 |
| 35 | 166.5 | 549 |
| 36 | 10.3 | 66 |
| 37 | 3.4 | 25 |
| 38.1 | 0.9 | 8 |
| 38.2 | 0.7 | 6 |
| 39 | 166.2 | 546 |
| 40 | 89.9 | 372 |
| 41 | 10.3 | 60 |
| 42 | 112.2 | 399 |
| 43 | 12.2 | 97 |
| 44 | 133 | 689 |
| 45 | 22.9 | 172 |
| 46 | 79.1 | 435 |
| 47 | 8.2 | 50 |
| 48 | 13.1 | 88 |
| 49.1 | 2.3 | 14 |
| TH-1 | 55.3 | 278 |
| TH-2 | 0.7 | 5.6 |
| TH-3 | 2.0 | 15 |
| TH-4 | 106.5 | 451 |
| TH-5 | 0.8 | 29 |
| TH-6 | 2.3 | 65 |
| TH-7 | 55.0 | 537 |

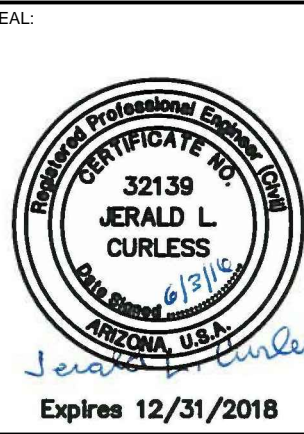
* OBTAINED FROM HEC-1 MODEL USING 3-HOUR TYPE II RAINFALL DISTRIBUTION
**CP2 + CPD1 FROM TANGERINE CROSSING PROPOSED DRAINAGE MAP FIGURE 1, RICK ENGINEERING, DATE: DECEMBER 17, 2004. SEE APPENDIX C.
***CP BASED FROM TANGERINE CROSSING COMMERCIAL CENTER, PROPOSED DRAINAGE MAP FIGURE 1, RICK ENGINEERING, DATE: AUGUST 8, 2006. SEE APPENDIX C.
****BY PSOMAS. SEE TECHNICAL MEMORANDUM IN APPENDIX F.

LEGEND

- REGIONAL WATERSHED BOUNDARIES
- LOCAL WATERSHED BOUNDARIES
- HEC-1 SUBWATERSHED BOUNDARIES
- HEC-1 STREAM FLOW LINES
- CONCENTRATION POINT
- TANGERINE RD STATION

NOTES

- HORIZONTAL PROJECTION IS NAD 1983 HARN ARIZONA CENTRAL STATE PLANE. TOPOGRAPHY-PAG 2000 NAVD88, 10-FT CONTOUR INTERVAL.



PROJECT NO: 15-024
DESIGN: JLC
CHECKED: JKW
DRAWN: B.J.K/RMS
DATE: 06/03/2016
REV. DATE:
REV. DATE:

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

FIGURE NO. 5
PROPOSED CONDITIONS
OFFSITE WATERSHED MAP

TANGERINE ROAD
DOVE MTN BLVD TO LA CANADA DR
SHEET 1 OF 1