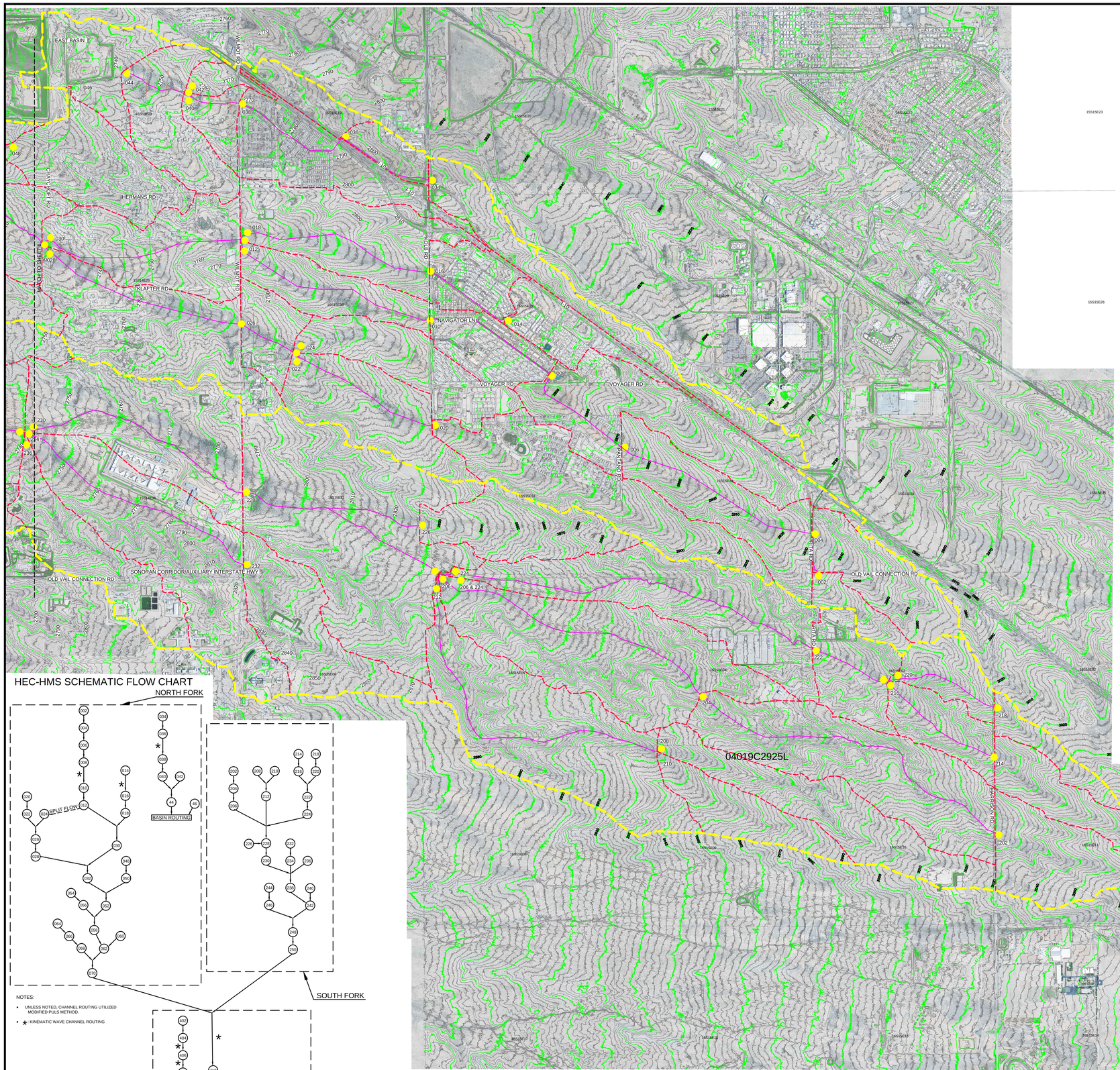
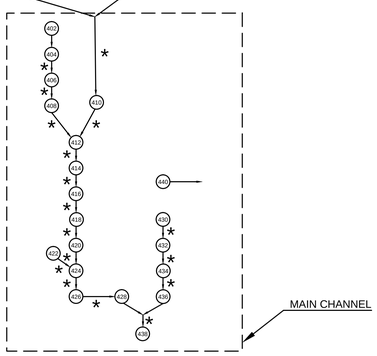


HEC-HMS SCHEMATIC FLOW CHART



NOTES:

- UNLESS NOTED, CHANNEL ROUTING UTILIZED MODIFIED PULS METHOD.
- *: KINEMATIC WAVE CHANNEL ROUTING

Airport Wash HEC-HMS Discharge Summary Table

Concentration Point	WaterShed Area (cumulative)	HEC-HMS Q (cfs)				Locations
	(sq mile)	10-Year	50-Year	100-Year	500-Year	
AW002	0.081	-	-	130	-	-
AW004	0.335	-	-	486	-	-
AW006	0.685	-	-	666	-	-
AW008	1.198	-	-	862	-	-
AW010	1.372	-	-	895	-	-
AW012_No_Split	1.59	-	-	920	-	-
AW012_Split	1.59	-	-	688	-	-
AW014	0.166	-	-	191	-	-
AW016	0.318	-	-	429	-	-
AW018	0.738	-	-	778	-	-
AW012&018	2.328	-	-	1109	-	-
AW020	0.482	-	-	559	-	-
AW022	0.823	-	-	793	-	-
AW024&D012	0.285	-	-	455	-	-
AW022&024	1.108	-	-	1073	-	-
AW026	1.241	-	-	1108	-	-
AW028	1.763	-	-	1326	-	-
AW030	2.715	-	-	1160	-	-
AW028&030	4.478	-	-	2476	-	Craycroft Rd
AW032	4.855	-	-	2521	-	-
AW034	0.312	-	-	269	-	-
AW036	0.39	-	-	288	-	-
AW038	0.72	-	-	609	-	-
AW040	0.803	-	-	648	-	-
AW042	0.144	-	-	184	-	-
AW40&042	0.947	-	-	735	-	-
AW044	1.216	-	-	888	-	-
AW048	0.335	-	-	431	-	-
AW050	0.553	-	-	536	-	-
AW032&050	5.408	-	-	2285	-	-
AW052	5.482	-	-	2287	-	-
AW054	0.29	-	-	376	-	-
AW056	0.426	-	-	378	-	-
AW052&056	5.908	-	-	2425	-	-
AW058	6.348	-	-	2475	-	-
AW060	0.059	-	-	131	-	-
AW062	6.624	-	-	2477	-	-
AW064	0.223	-	-	307	-	-
AW066	0.435	-	-	492	-	-
AW068	0.508	-	-	514	-	-
AW062&068	7.132	-	-	2568	-	-
AW070	7.362	-	-	2558	-	End North Fork
AW202	0.44	-	-	473	-	-
AW204	1.06	-	-	974	-	-
AW206	1.778	-	-	1438	-	-
AW206&224	3.167	-	-	2306	-	-
AW208	0.388	-	-	409	-	-
AW210	0.207	-	-	237	-	-
AW208&210	0.595	-	-	641	-	-
AW212	1.307	-	-	833	-	-
AW214	0.2	-	-	284	-	-
AW216	0.363	-	-	401	-	-
AW218	0.095	-	-	127	-	-
AW220	0.23	-	-	257	-	-
AW216&220	0.593	-	-	610	-	-
AW222	0.802	-	-	737	-	-
AW224	1.389	-	-	969	-	-
AW206&212&224	4.474	-	-	2982	-	Kolb Rd
AW226	0.283	-	-	320	-	-
AW228	5.752	-	-	2801	-	-
AW230	6.324	-	-	2854	-	-
AW232	0.351	-	-	394	-	-
AW234	1.02	-	-	710	-	-
AW236	0.309	-	-	325	-	-
AW230&234&236	7.653	-	-	3125	-	-
AW238	8.063	-	-	3130	-	-
AW240	0.28	-	-	323	-	-
AW242	8.679	-	-	3173	-	-
AW244	0.356	-	-	467	-	-
AW246	0.875	-	-	626	-	-
AW242&246	9.554	-	-	3240	-	-
AW248	9.759	-	-	3193	-	-
AW250	10.432	-	-	2887	-	End South Fork
AW070&250	17.794	1,566	3,182	3993	6,283	Co. North/South
AW402	0.218	-	-	356	-	-
AW404	0.58	-	-	589	-	-
AW406	0.989	-	-	1152	-	-
AW408	1.019	-	-	1052	-	-
AW410	18.283	1,590	3,181	3993	6,299	-
AW412	19.81	1,668	3,198	4021	6,347	-
AW414	20.469	1,666	3,180	3876	6,157	-
AW416	20.966	1,786	3,217	3876	6,157	Nogales HWY
AW418	21.214	1,816	3,233	3875	6,157	-
AW420	21.504	1,909	3,255	3891	6,157	-
AW422	0.144	-	-	245	-	-
AW424	21.944	2,038	3,286	3927	6,159	-
AW426	22.157	2,077	3,301	3943	6,158	-
AW428	22.277	2,091	3,312	3953	6,158	-
AW430	0.067	-	-	122	-	-
AW432	0.336	-	-	521	-	-
AW434	0.455	-	-	641	-	-
AW436	0.499	-	-	660	949	-
AW428&436	22.776	2,224	3,550	4249	6,160	-
AW438	22.87	2,234	3,567	4267	6,160	Santa Cruz River
AW440	0.607	-	-	723	-	-

PIMA COUNTY
FLOOD CONTROL

LEGEND

- AIRPORT WASH MAJOR WATERSHED BOUNDARY
- SUB WATERSHED BOUNDARY
- SECTION LINES
- 15S13E21 — SECTION NUMBERS
- 002 — WATERSHED/CONCENTRATION POINT ID
- CONCENTRATION POINT
- HEC ROUTING REACH

NOTES

1. HORIZONTAL PROJECTION IS ARIZONA CENTRAL STATE PLANE, NORTH AMERICAN DATUM OF 1983-92(HARN)
2. WATER SURFACE ELEVATIONS ARE PROVIDED ON NAVD88 VERTICAL DATUM.
3. DIGITAL FIRM MAPPING REFERENCE: PANELS 0419C2286L, 0419C2288L, 04019C2289L, 04019C2880L, 04019C2900L
4. DATA SOURCE:
   AERIAL PHOTOGRAPHY: PIMA ASSOCIATION OF GOVERNMENTS (PAG) 2008.
   TOPOGRAPHY: (PAG) 2008 LIDAR DATA.
   2-FOOT INTERVAL CONTOURS SHOWN ON THIS WORK MAP WERE GENERATED FROM PAG'S 2008 LIDAR DATA.

SEAL:

N

0' 1000' 2000'

SCALE: 1" = 1000'

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

PROJECT NO.:	14-063
DESIGN:	JW
CHECKED:	JW
DRAWN:	BJK
DATE:	10/14/2015
REV. DATE:	12/24/2015
REV. DATE:	01/28/2016
REV. DATE:	

FIGURE 5:
EXISTING CONDITIONS HYDROLOGY MAP
FOR
AIRPORT WASH BASIN MANAGEMENT STUDY
PHASE II
SHEET 2 OF 2