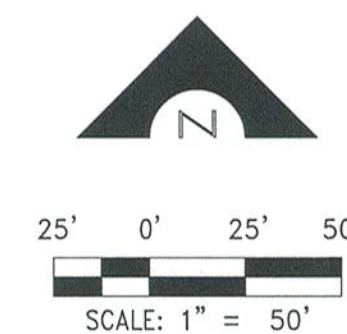




LEGEND

319
1022
(231)
(231)

10-YR STREET FLOW
100-YR STREET FLOW
10-YR FACILITY FLOW
100-YR FACILITY FLOW

- STREET SLOPE
- ULTIMATE SUBBASIN BOUNDARY
- ULTIMATE DRAINAGE SUBBASIN
- CROSS SECTION LOCATION
- PROPOSED STORM DRAIN
- EXISTING STORM DRAIN
- PRORATED BASIN BOUNDARY
- PRORATED DRAINAGE BASIN
- CONCENTRATION POINT

100-YR PRORATED STORM FLOWS FROM DON1
PRORATED STORM FLOWS= 27 CFS/10.54 ACRES = 2.56 CFS/ACRE
PR1=0.95 ACRES X 2.56 CFS/ACRE=2.4 CFS
PR2=1.95 ACRES X 2.56 CFS/ACRE=5.0 CFS
PR3=0.78 ACRES X 2.56 CFS/ACRE=2.0 CFS
PR4=1.49 ACRES X 2.56 CFS/ACRE=3.8 CFS
PR5=2.68 ACRES X 2.56 CFS/ACRE=6.9 CFS
PR6=1.86 ACRES X 2.56 CFS/ACRE=4.8 CFS
PR7=0.82 ACRES X 2.56 CFS/ACRE=2.1 CFS

NOTE: ** BASINS REFERENCED FROM "TDS FOR FLEX BUILDINGS 5 & 6 @ RANCHO AIR CENTER" (DS 4172)
*** BASINS REFERENCED FROM NORTH NEIGHBORHOOD STUDY

INTERIM CONDITIONS HEC-1 MODEL SUMMARY				
SUBBASIN OR CP	BASIN AREA (AC)	100 YR (cfs)	10 YR (cfs)	COMMENTS
XOF2	7.45	16	7	
DOF3	1.12	4	2	
RAN-B**	1.21	4	2	
CP1	-	31	N/A	XOF2 + DOF3 + RAN-B + PR1 + PR2
FUT-D1**	13.75	36	19	
DON1	10.54	27	14	
RAN-C**	1.05	4	2	
CP2	-	20	N/A	PR3 + PR4 + PR5 + PR6 + PR7

100-YEAR ONSITE HYDRAULIC CROSS SECTIONS						
Location	BASINS / CONC. PT.	Slope (%)	Q ₁₀₀ (cfs)	D ₁₀₀ (ft)	V ₁₀₀ (ft/sec)	D'V ₁₀₀
SECT A	PR1+PR2	1.46	7	0.35	2.73	1.0
SECT B	PR1	1.46	2	0.15	1.94	0.3
SECT C	PR2	0.60	5	0.27	1.43	0.4
SECT D	PR3	1.00	2	0.17	1.60	0.3
SECT E	PR4	1.00	4	0.20	1.78	0.4
SECT F	PR3+PR4+PR7	1.00	13	0.30	2.56	0.8
SECT G	PR5	1.47	7	0.20	2.17	0.4
SECT H	PR6	1.31	5	0.27	2.98	0.8
SECT I	PR6	1.31	5	0.28	3.03	0.8
SECT J	PR3+PR4+PR5+PR6+PR7	1.00	20	0.51	6.56	3.3

100-YEAR OFFSITE INTERIM CONDITIONS HYDRAULIC CROSS SECTIONS					
Location	BASINS / CONC. PT.	Slope (%)	Q ₁₀₀ (cfs)	D ₁₀₀ (ft)	V ₁₀₀ (ft/sec)
SECT 1	REF. FROM NORTH NEIGHBORHOOD STUDY	0.60	1022	1.80	8.34
SECT 2	RAN-C**	0.60	4	0.41	1.92
SECT 3	FUT-D1**	0.59	38	0.64	2.8
SECT 4	XOF2 + DOF3 + RAN-B + PR1 + PR2	0.50	31	0.63	2.45

10-YEAR OFFSITE INTERIM CONDITIONS HYDRAULIC CROSS SECTIONS					
Location	BASINS / CONC. PT.	Slope (%)	Q ₁₀ (cfs)	D ₁₀ (ft)	V ₁₀ (ft/sec)
SECT 1	REF. FROM NORTH NEIGHBORHOOD STUDY	0.60	319	1.18	5.28
SECT 2	RAN-C**	0.60	2	0.34	1.64

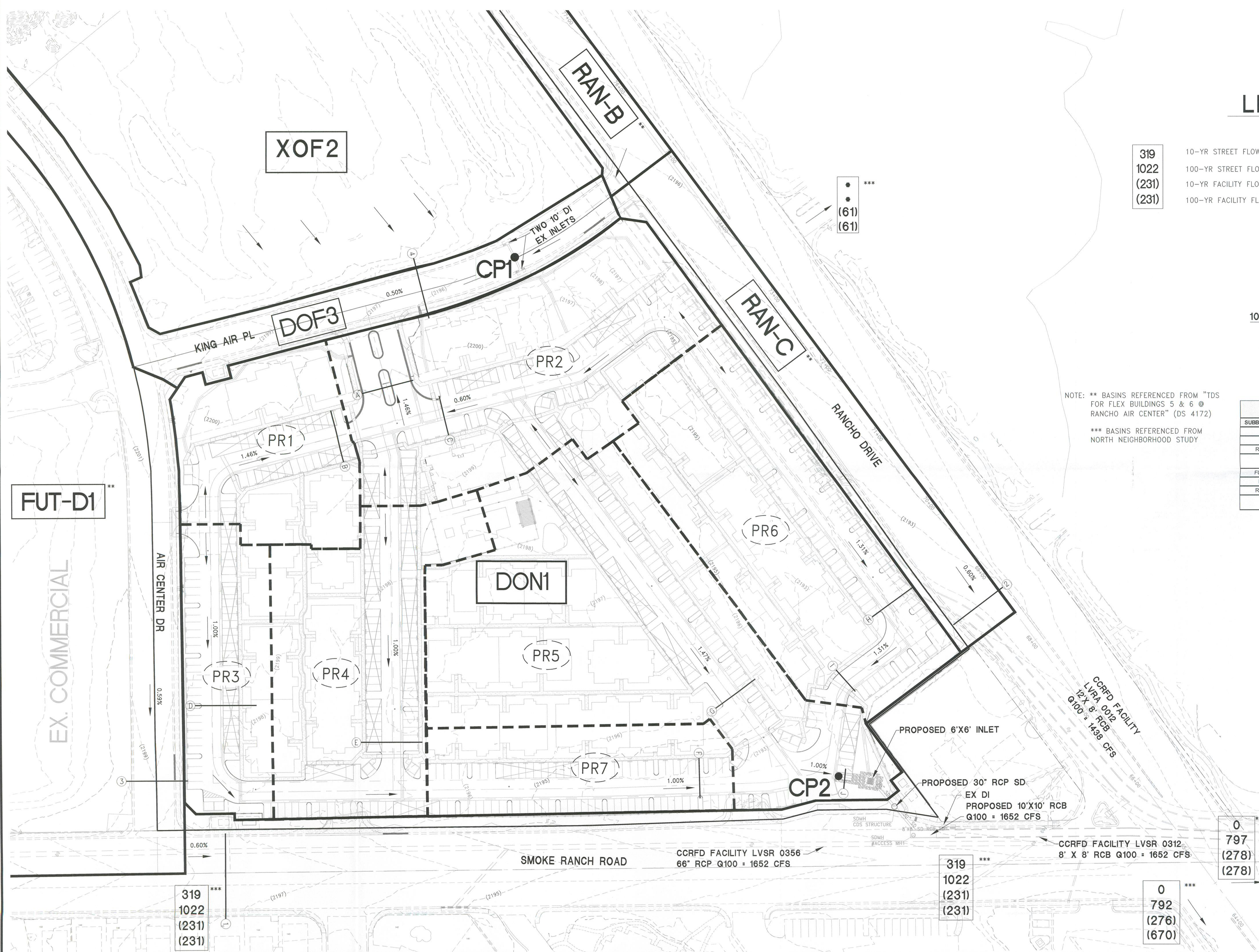
RANCHO MULTI FAMILY PHASE 2

EDWARD HOMES

FIGURE 8
INTERIM CONDITIONS MAP



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