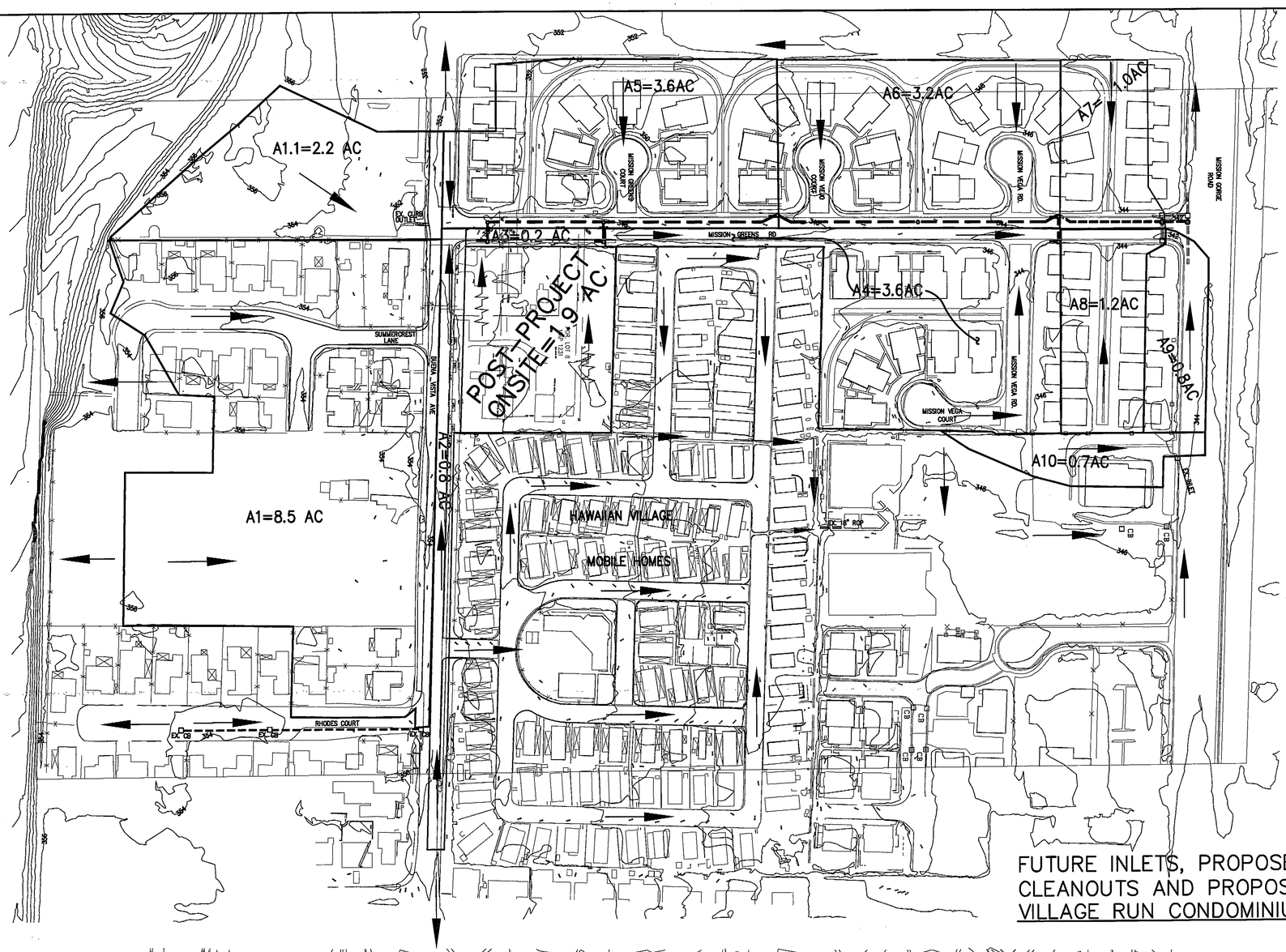
# POST-PROJECT OFFSITE & ONSITE DRAINAGE BASINS
## VILLAGE RUN CONDOMINIUMS




SCALE: 1"=100'

DIRECTION OF EXISTING RUNOFF

DIRECTION OF PROPOSED RUNOFF

| OFFSITE BASIN AREA(ac) | Q10(cfs) | Q50(cfs) | Q100(cfs) |
|---|---|---|---|
| A1=8.5 | 11.5 | 15.5 | 16.9 |
| A1.1=2.2 | 5.3 | 7.2 | 7.9 |
| A2=0.8 | 1.7 | 2.3 | 2.5 |
| A3=0.2 | 0.7 | 0.9 | 1.0 |
| A4=3.6 | 5.4 | 7.3 | 7.9 |
| A5=3.6 | 5.5 | 7.4 | 8.0 |
| A6=3.2 | 5.4 | 7.3 | 7.9 |
| A7=1.0 | 1.8 | 2.5 | 2.7 |
| A8=1.2 | 2.1 | 2.9 | 3.1 |
| A9=0.8 | 1.7 | 2.3 | 2.5 |
| A10=0.7 | 1.9 | 2.6 | 2.8 |
| 25.8 * | 43.0 | | |

PRE-PROJECT ONSITE AREA IS 2.0 AC.; Q10=2.3 CFS INTO EXISTING STORM DRAIN SYSTEM IN MISSION GORGE ROAD EAST OF MISSION GREENS ROAD.

POST-PROJECT ONSITE AREA IS 1.9 AC.; Q10=6.7 CFS INTO PROPOSED STORM DRAIN SYSTEM IN MISSION GREENS ROAD. (* 0.1 AC. ST. IOD ON BUENA VISTA,; Q10=0.3 CFS.)

THEREFORE THE TOTAL COMING INTO THE PROPOSED 36" RCP @ 0.26% AND THE EXISTING 27"x 43" CMPA WILL BE Q10=42.2 CFS + 5.7 CFS + 1.8 CFS = 49.7 CFS
EX INLET EX INLET

NET INCREASE
PRE-PROJECT Q10=42.6 CFS
POST-PROJECT Q10=49.7 CFS
2.3 CFS (PRE-PROJECT IN EXISTING PIPE SYSTEM EAST OF MISSION GREENS RD.)
49.7 CFS-42.6 CFS-2.3 CFS=4.8 CFS INCREASE

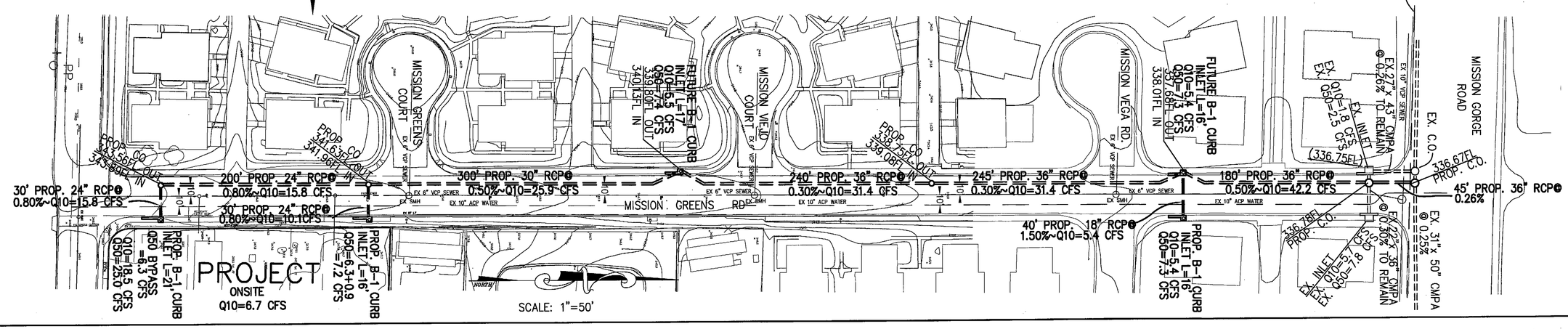
4.8 CFS INCREASE INTO EXISTING STORM DRAIN IN MISSION GORGE ROAD WEST OF MISSION GREENS ROAD.


ENGINEER: DRAPER ENGINEERING
9263 EDGEWOOD DRIVE
LA MESA, CA 91941
(619) 464-6528


REGISTERED PROFESSIONAL ENGINEER JAMES I. DRAPER JR. No. 29121 EXP. 3-31-19 CIVIL STATE OF CALIFORNIA

James I. Draper Jr. 4-3-2017
JAMES I. DRAPER JR. RCE 29121

## FUTURE INLETS, PROPOSED INLETS, PROPOSED CLEANOUTS AND PROPOSED STORMDRAIN PIPES
## VILLAGE RUN CONDOMINIUMS




SCALE: 1"=50'

JOB NO. 16912-1231D7
DWG. NO. 16912.PRJ\post-offsite drainage basins