

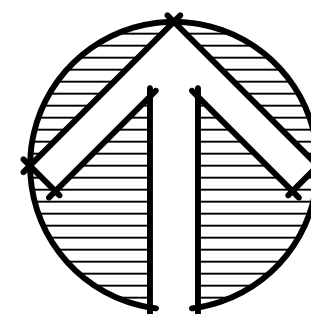
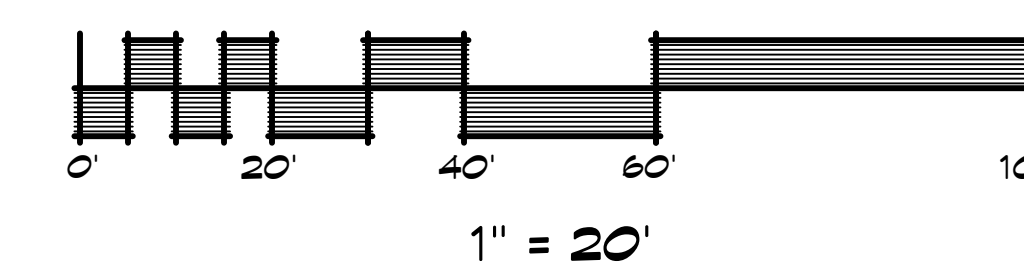
FUEL MODIFICATION LEGEND	
	ZONE A - 20'
	ZONE B - 150'
	ZONE C - 50'

LEGEND	
	POINT OF CONNECTION TO EFFLUENT PUMP STATION
	PVC LINE TO PUMP STATION (BURIED)
	REMOTE CONTROL VALVE
	PVC SUPPLY & FLUSH MANIFOLDS w/ DRIPLINE ADAPTERS
	0.5 GPH DRIPLINE w/ EMITTERS @ 18" O.C. & LINES @ 18" O.C.
	DRIPLINE AIR VACUUM BREAKER AT HIGH POINTS
	PVC BALL VALVE FOR FLUSHING & DRAINING AT LOW POINTS

NOTES

- OWTS DISPERSAL FIELDS WILL BE DESIGNED AND INSTALLED TO MEET THE STANDARDS OF THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2012-0032 - "OWTS POLICY", INCLUDING SETBACKS (SECTION 7.5) AND BURIAL DEPTH (SECTION 8.1.4).
- EACH HOME IS PROJECTED TO PRODUCE UP TO 320 GALLONS OF TREATED EFFLUENT PER DAY. THE EFFLUENT WILL BE REUSED FOR IRRIGATING PLANTING WITHIN FUEL MODIFICATION ZONE B.
- A POTABLE WATER SUPPLEMENT LINE TO THE EFFLUENT PUMP STATION WILL INSURE THE AVAILABILITY OF 320 GALLONS PER DAY OF WATER OUTPUT FROM EACH RESIDENTIAL ONSITE TREATMENT SYSTEM (OWTS).
- THE OUTPUT OF EACH TREATMENT SYSTEM WILL BE CONNECTED TO A SUBSURFACE DRIPLINE DISPERSAL SYSTEM ADJACENT TO THE LOT.
- DISPERSAL IRRIGATION FIELDS WILL BE PLACED ON FILL SLOPES AND NATURAL AREAS. PLACEMENT ON CUT SLOPES WILL BE AVOIDED.
- IRRIGATION FIELDS WILL PRIMARILY BE AT THE SAME OR LOWER ELEVATIONS THAN THE LOT THEY SERVE.
- OWTS DISPERSAL FIELDS ARE SIZED (13,100 SQ. FT. MINIMUM) TO PROVIDE ALL THE DAILY NEEDS OF WATER FOR THE PLANTS IN FUEL MODIFICATION ZONE B IN THE MONTH OF JANUARY (1.10" PER MONTH ON AVERAGE).
- IN ALL OTHER MONTHS, THE DISPERSAL SYSTEM WILL BE SUPPLEMENTED WITH A SEPARATE H.O.A. OVERHEAD SPRAY IRRIGATION SYSTEM. REFER TO THE "TYPICAL FUEL MOD. IRRIGATION" PLAN.
- IRRIGATION FIELD CONTROL VALVES WILL BE CONNECTED TO CONTROLLERS SEPARATE FROM THE H.O.A.'S OVERHEAD IRRIGATION SPRAY SYSTEM CONTROLLERS. BOTH WILL BE MANAGED BY QUALIFIED PERSONNEL, NOT HOMEOWNERS.
- A TYPICAL DISPERSAL IRRIGATION FIELD FOR EACH LOT WILL HAVE 3-4 ZONES RUNNING AT 13-17 GALLONS-PER-MINUTE AND REQUIRE APPROXIMATELY 18-24 MINUTES OF TOTAL RUN TIME PER DAY (6 MINUTES PER ZONE). THIS EQUALS A PRECIPITATION RATE OF 0.04" OF WATER PER DAY.

TYPICAL DISPERSAL FIELDS



THE PRESERVE

ORANGE & RIVERSIDE COUNTIES, CALIFORNIA

WATER REUSE STUDY

THE RESERVE, LLC
 SUITE 345
 100 PACIFICA
 IRVINE, CALIFORNIA 92618

ROBERT MITCHELL & ASSOCIATES
 LAND SOLUTIONS
 22982 EL TORO ROAD LAKE FOREST, CA. 92630
 (949) 581-2112 FAX (949) 581-5809 rmlandsolutions.com (rmls.com)

PLANNING
 •
 DESIGN
 •
 LANDSCAPE
 ARCHITECTURE