

Applicant/Owner:
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San Jose, CA 95110
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408.314.8826

Engineer:
David L. Faria, RCE 92432
MH Engineering
16075 Vineyard Blvd.
Morgan Hill, CA 95037
408.779.7381
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Project Information:
APN: 558-06-029
Present Use: Vacant
Proposed Use: Residential
Present Zoning: HS
Existing Improvements: As Shown
Fire Responsibility: SRA
Sanitary Sewer: Proposed OWTS
Gas and Electric: TBD
Water: Melody Woods Water Co.
Wildland Urban Interface: IW
HCP Area: N/A
Hazard Zone(s): State Seismic Hazard Zone, County Fault Rupture Hazard Zone, County Landslide Hazard Zone
Net Area: 1.223 ac
Gross Area: 1.244 ac

Boundary Note: Property lines shown on this plan are based on record data and boundary monumentation measured to date.

Flood Zone: The property lies wholly in Zone D, areas in which flood hazards are undetermined, but possible, per FEMA Firm Panel 06085C0390H, effective May 18, 2009.

Basis of Bearings: The bearings shown on this map are based on the centerline of Melody Lane as found monumented and recorded as North 89° 19' West, on that record of survey filed June 20, 1949 in Book 23 of Maps Pages 21, Santa Clara County Records.

Benchmark: Elevations shown on this plan are assumed based on Santa Clara County 2006 Lidar data.

Fire Notes:

1. Fire Sprinklers shall be a deferred submittal.
2. Property is located in the State Response Area.
3. Property is in Wildland Urban Interface (WUI).
4. Structures to meet WUI construction requirements.
5. Property to maintain defensible space at all times.
6. Driveway width will be maintained at 12' minimum with a clear height of 13' 6".
7. All proposed driveways to be made of an all weather surface capable of supporting 75,000 lbs.
8. All proposed driveways shall have a max. slope of 16%.
9. Melody Lane meets CALFIRE requirements of 2 ten foot lanes.

Utility Note: Contractor to verify existing utility locations by contacting USA @ 811 or 800-642-2444

Tree Removal	
Description	Diameter (in)
Redwood	36
Redwood	44
Redwood	28

Proposed Floor Area	
Description	Area (SF)
Residence	1269
ADU	600
Carport	400

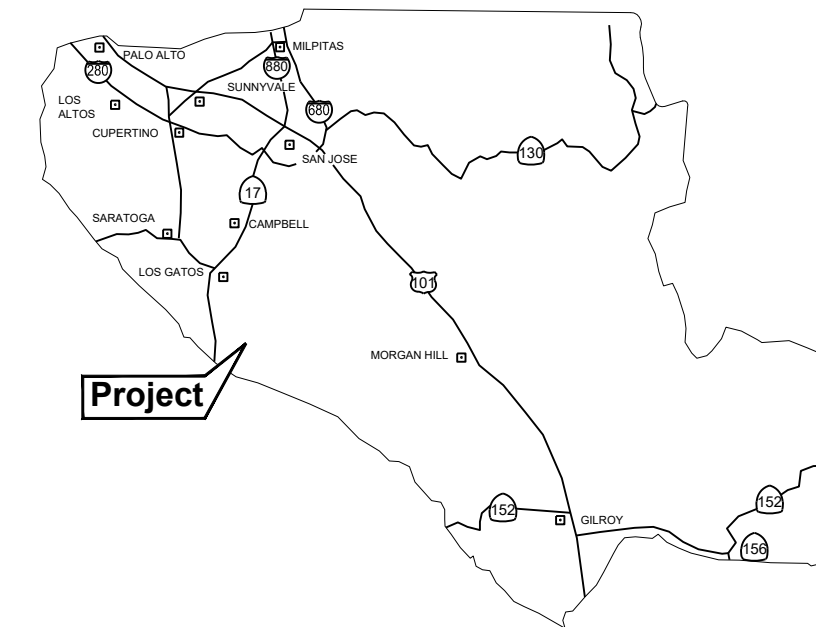
Earthwork Quantities					
Description	CUT	FILL	NET	Max CUT	Max FILL
Proposed Residence	142	17	125 (CUT)	4.40	2.00
Proposed ADU	10	48	38 (FILL)	1.50	2.30
Driveway	128	173	45 (FILL)	5.00	4.50
Infiltration Trench	74	46	28 (CUT)	7.80	2.50
Water Tank Pad	0	17	17 (FILL)	0.00	1.70
Total	354	301	70 (CUT)		

Impervious Area Summary	
Description	Area (SF)
Proposed Residence	700
Proposed ADU	600
Carport	400
Driveway	5309
Covered Porch	302
Total Impervious Area	7311

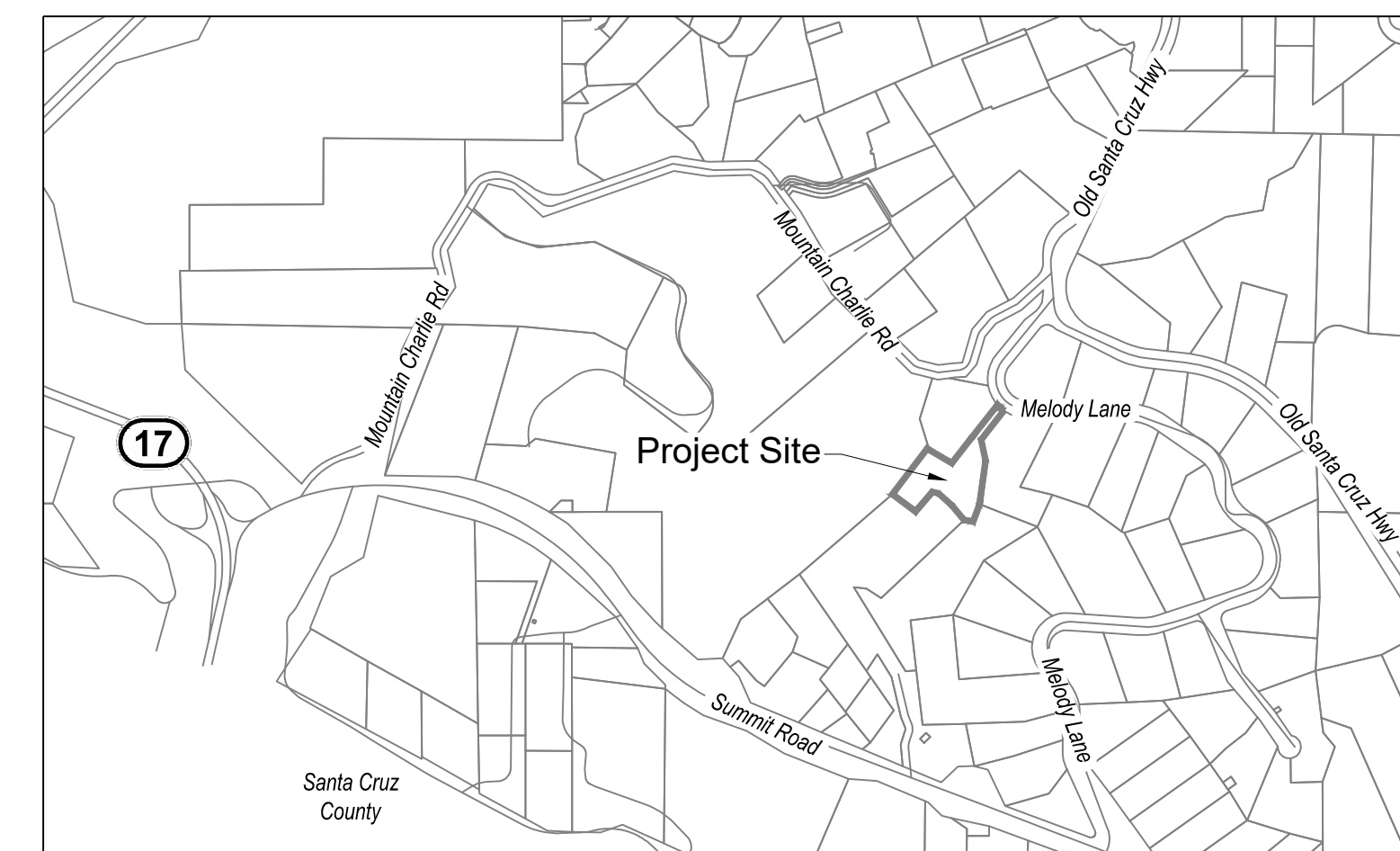
Tree Planting		
Quantity	Species	Size (gallon)
15	Costal Redwood	15

Landscaping Notes:

1. (15) 15-gallon Costal Redwood trees will be planted as shown.
2. Total landscape area is 50 SF.

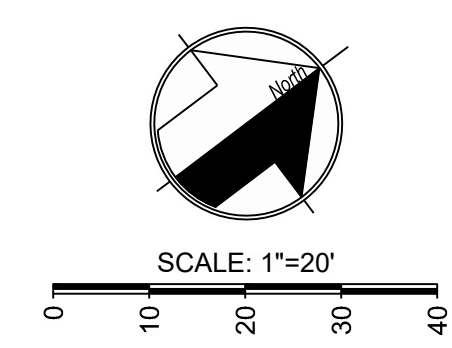
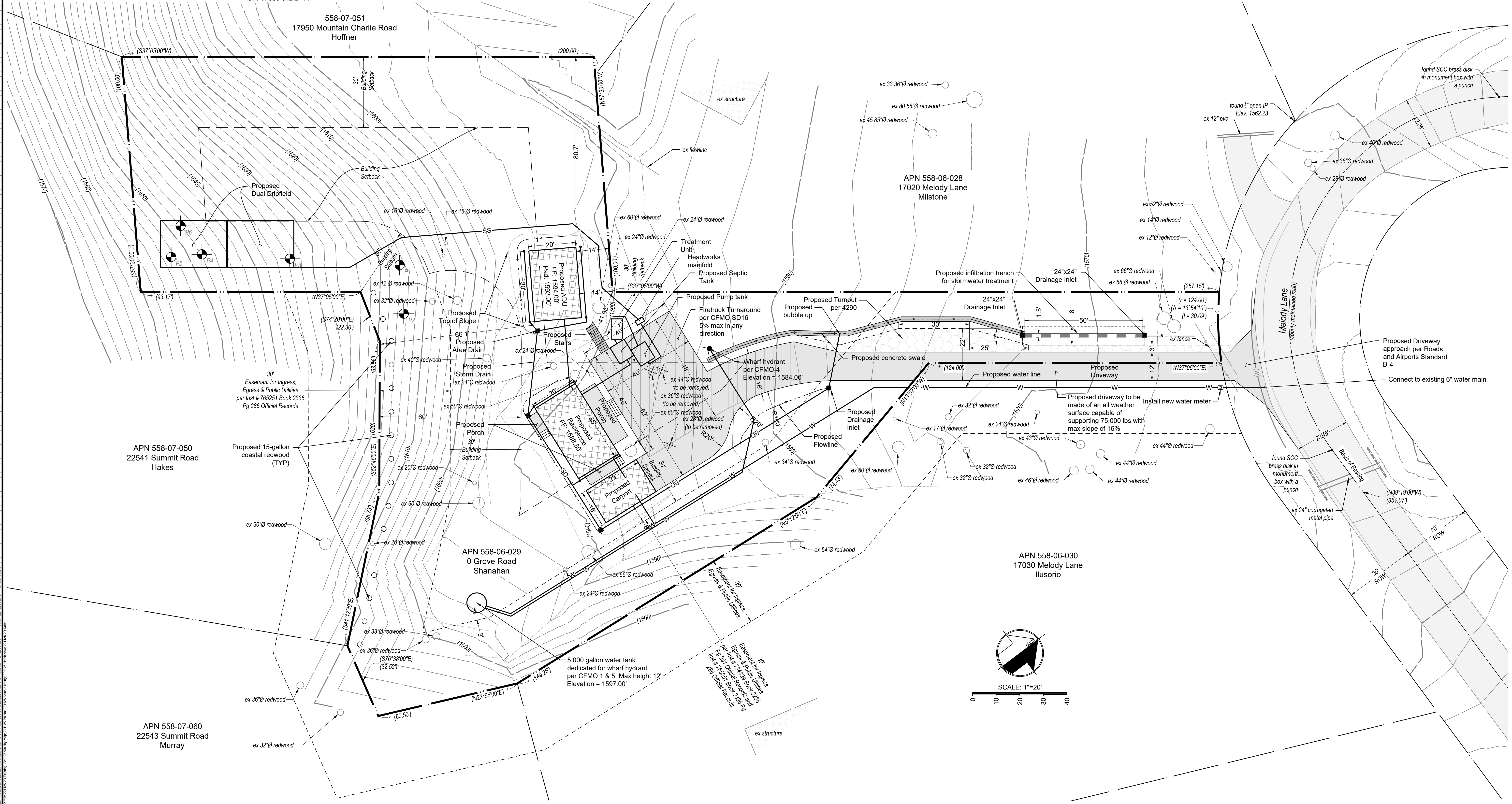


COUNTY LOCATION MAP



VICINITY MAP

Area of Disturbance = 17,996 SF



FOR PLANCHHECK ONLY

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MH engineering Co.
16075 Vineyard Boulevard
Morgan Hill, CA 95037



Site Plan
0 Grove Road - APN 558-06-029

DATE:	12-20-22
SCALE:	1"=20'
DRAWN BY:	DF
CHECKED BY:	DF
JOB NO:	221125
SHEET:	1
OF:	3

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Drainage Notes

- All culverts shall be made of high density polyethylene (HDPE), polyvinyl chloride (PVC), or reinforced concrete (RCF). All culverts shall have a smooth interior.
- Inlets shall be made of concrete and have a smooth bottom.
- All roof downspouts shall be directed onto splash blocks to drain away from the foundation at a minimum of 5% into vegetated areas.
- All roof downspouts shall be connected to the storm drain system as shown and directed into the treatment area.
- Paved surfaces adjacent to foundations shall be sloped away at a minimum of 2%. Unpaved surfaces adjacent to foundations shall be sloped away at a minimum of 5%.
- All non improved disturbed areas shall be hydro seeded with native vegetation.

Drainage Calculation Notes

- Project is required to meet tier 1 post construction performance requirements.
- The stormwater will be treated via an infiltration trench located along the driveway. See detail on sheet 3.
- The peak flow mitigation will be achieved through an orifice located on the outlet of the infiltration trench. See detail on sheet 3.
- The post development stormwater will be collected via a storm drain system as shown and a drainage ditch along the driveway.
- The outflow will be routed into the natural drainage path of the property.
- A drainage ditch will be placed above the development area to redirect runoff around the development.
- All flowlines will end with an energy dissipater device.

