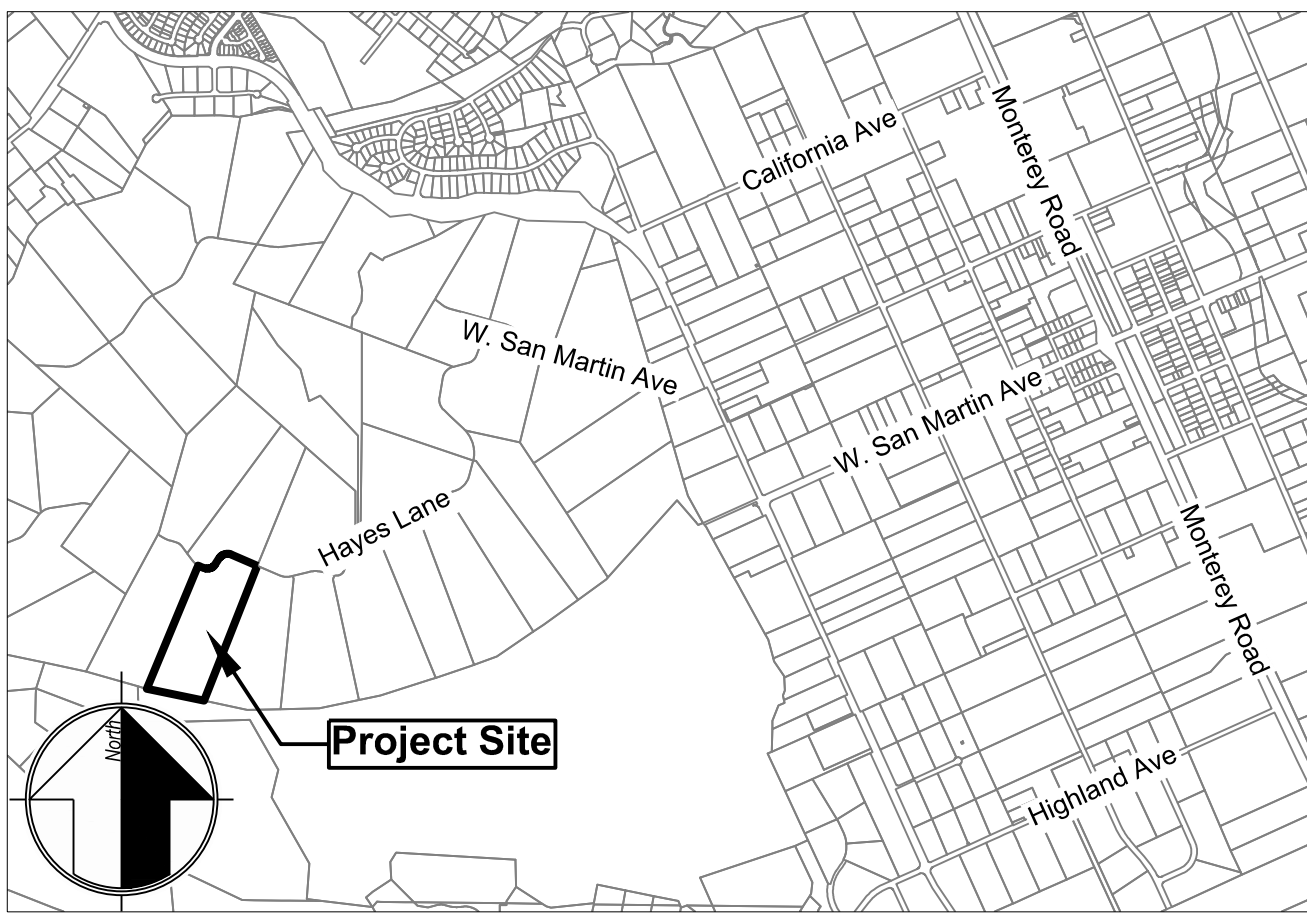
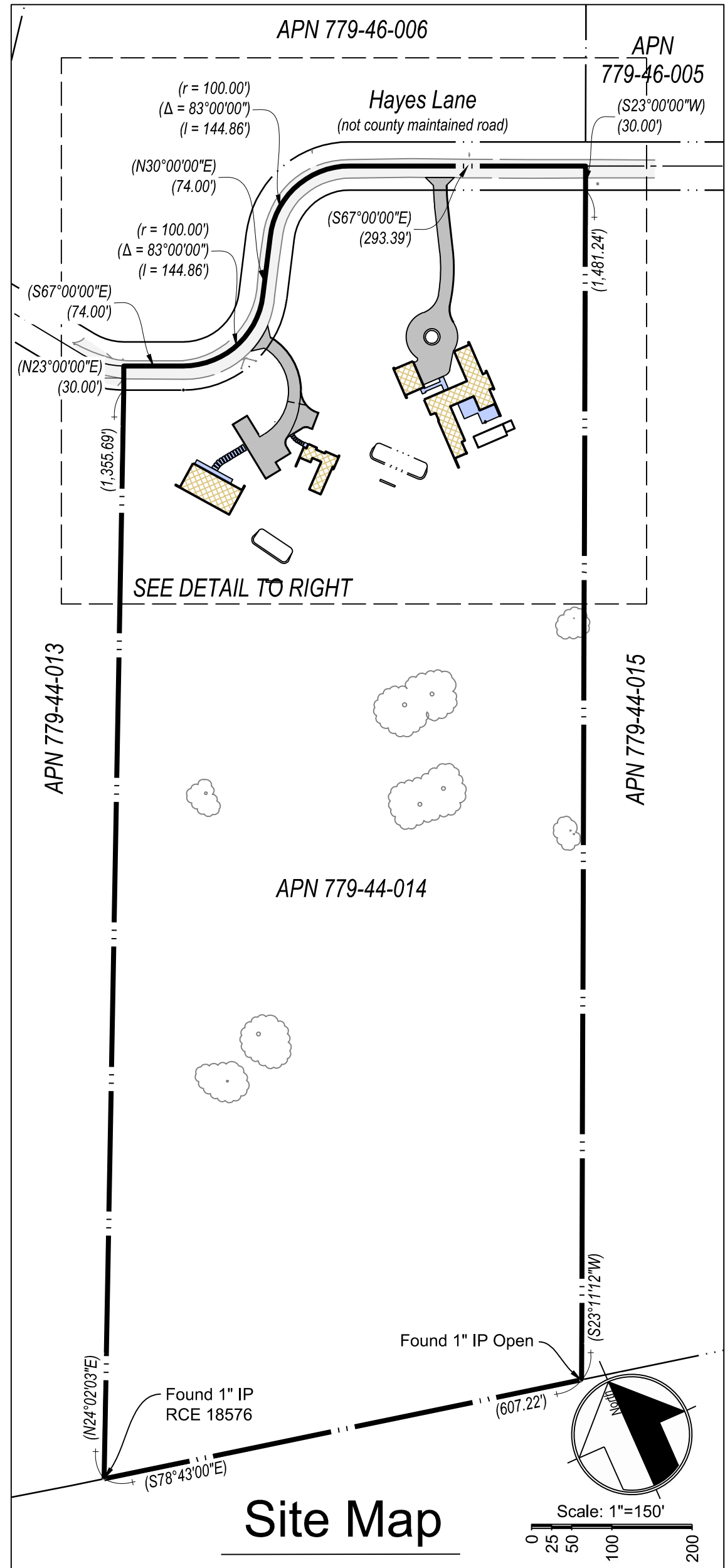




Vicinity Map

Earthwork Quantities				
	Cut	Fill	Max Cut	Max Fill
Residence Pad	899 cy	1,758 cy	7.50'	7.50'
ADU Pad	511 cy	24 cy	6.50'	2.00'
Sports Barn Pad	158 cy	980 cy	4.25'	7.50'
Residence Driveway	852 cy	2 cy	7.00'	1.25'
Accessory Driveway	455 cy	111 cy	5.50'	2.00'
Stormwater Treatment	176 cy	176 cy	3.50'	2.00'
Total	3,051 cy	3,051 cy		



Site Map

Applicant/Owner:

Abhishek Parmar
3155 Greer Road
Palo Alto, CA 94303
(408) 240-9533
abhishek@omrg.net

Engineer:

David L. Faria, RCE 92432
MH Engineering
16075 Vineyard Blvd.
Morgan Hill, CA 95037
408.779.7381
david@mhengineering.com

Project Information:

APN 779-44-014
Present Use: Vacant
Proposed Use: Residential
Present Zoning: HS-d1
Existing Improvements: As Shown
Water: San Martin Water Company
Sanitary Sewer: OWTS
Gas & Electric: PGE
Fire Responsibility Area: SRA
Wildland Urban Interface: In
HCP Area: Private Development Covered
County Hazard Zones: Landslide,
Gross Area: 20.000 ac

Impervious Area Summary	
Proposed Residence	4,294 SF
Proposed Detached Garage	973 SF
Proposed ADU	1,199 SF
Proposed Sports Barn	2,412 SF
Proposed Residence Driveway	6,797 SF
Proposed Accessory Driveway	5,834 SF
Proposed Covered Patios	848 SF
Proposed Walkways	703 SF
Proposed Pool	784 SF
Total New Impervious Area	23,844 SF

Proposed Floor Area

Proposed Residence	4,294 SF
Proposed Detached Garage	973 SF
Proposed ADU	1,199 SF
Proposed Sports Barn	2,412 SF
Total Floor Area	8,878 SF

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%.

Landscaping Note

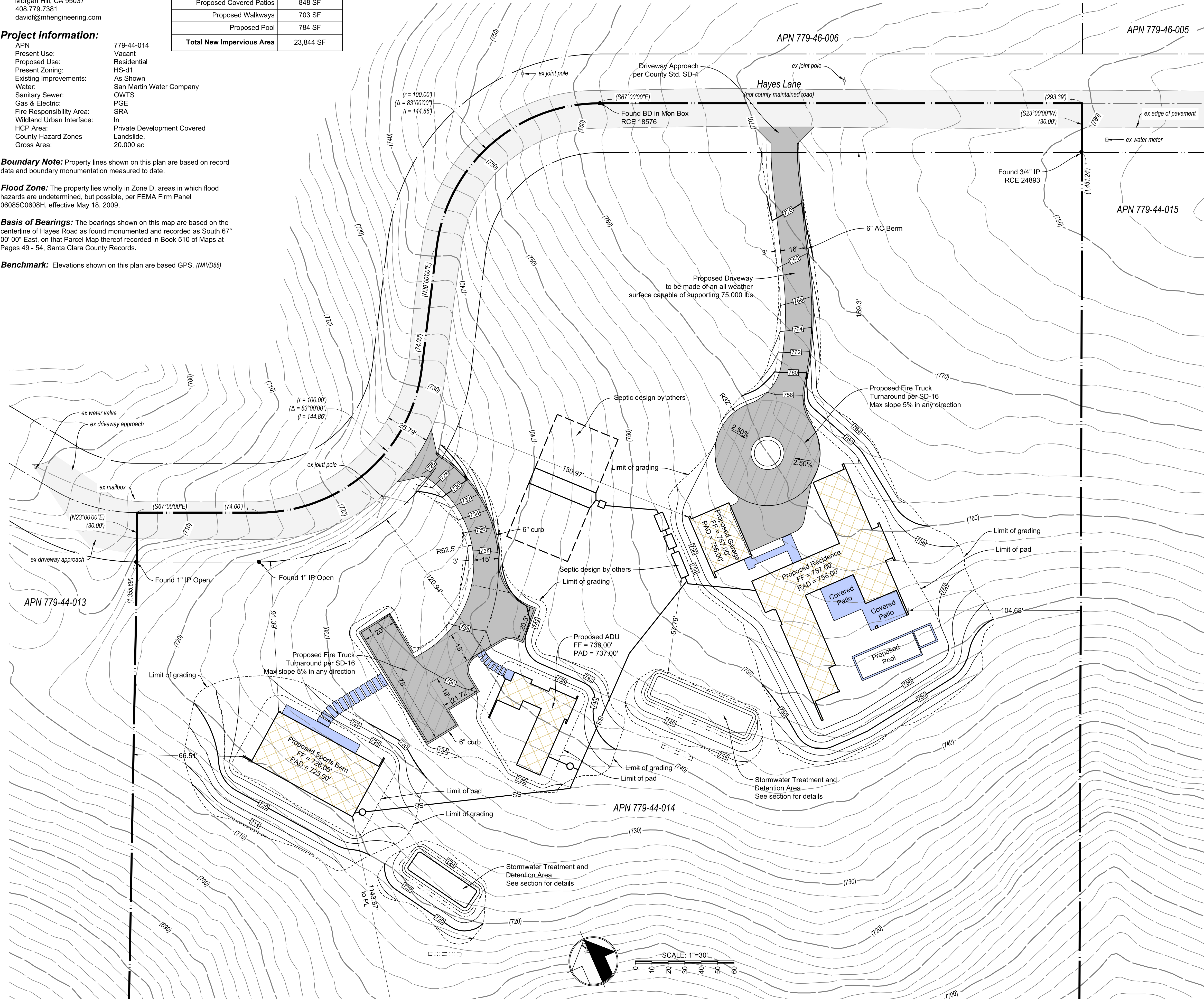
1. No landscaping is proposed.

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 06085C0608H, effective May 18, 2009.

Basis of Bearings: The bearings shown on this map are based on the centerline of Hayes Road as found monumented and recorded as South 67° 00' 00" East, on that Parcel Map thereof recorded in Book 510 of Maps at Pages 49 - 54, Santa Clara County Records.

Benchmark: Elevations shown on this plan are based GPS. (NAVD88)



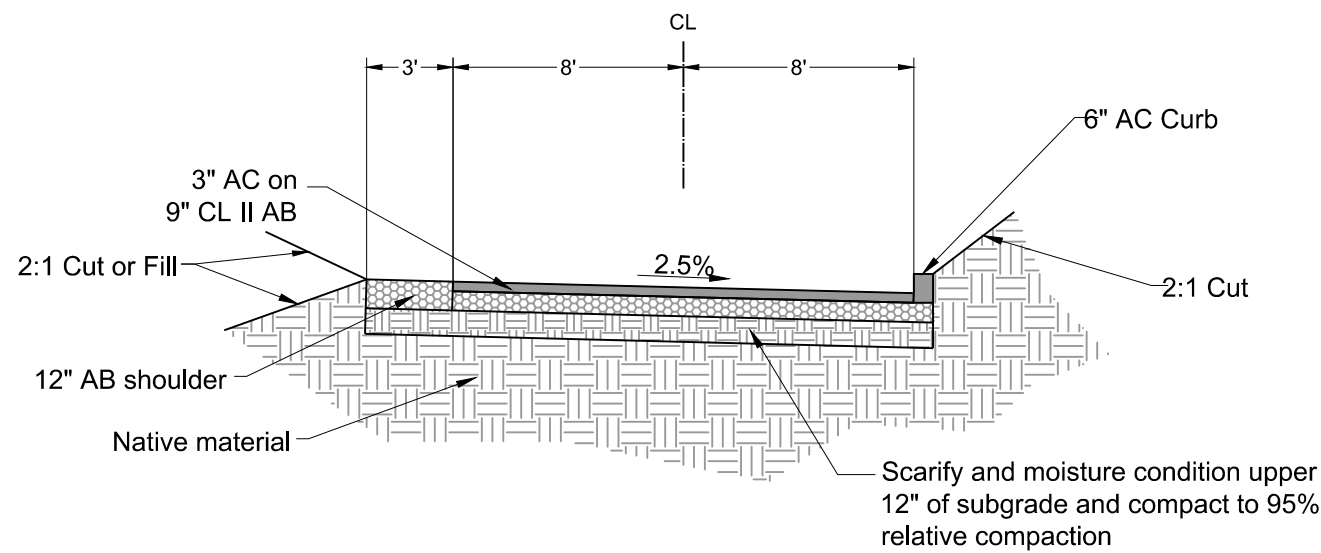
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16075 Vineyard Boulevard
Morgan Hill, CA 95037

Parmar - Site Plan
Hayes Lane - APN 779-44-014

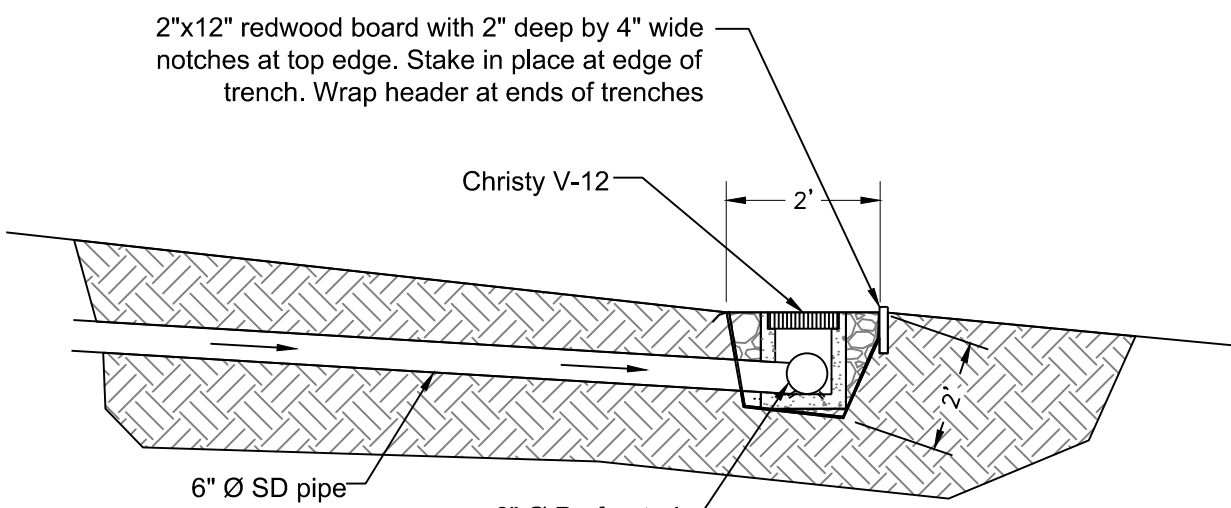
DATE: 9/15/2022
SCALE: As Shown
JOB NO: 222028
DRAWN BY: DF
CHECKED BY: DF
SHEET 1
OF 3

Earthwork Quantities				
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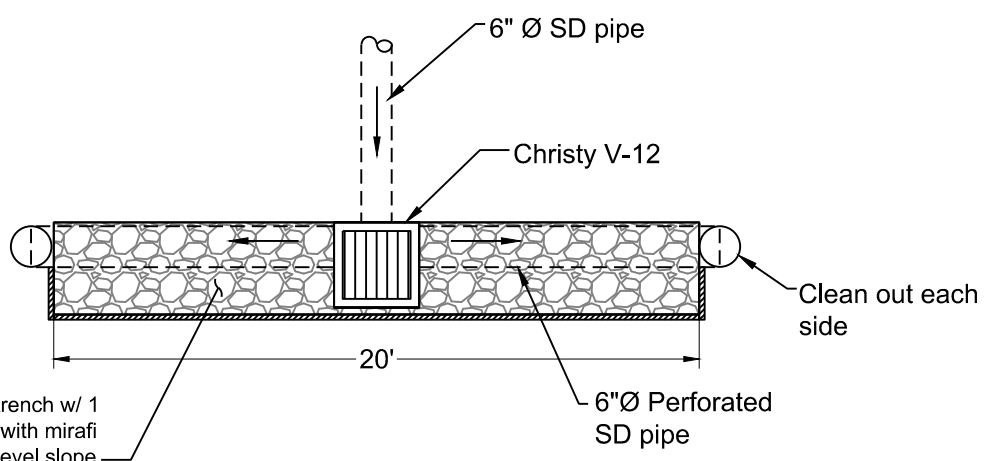
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Total New Impervious Area	23,844 SF



Typical Driveway Section
N.T.S.



Profile View



Plan View

Level Spreader Detail
N.T.S.

Geotechnical Recommendations:

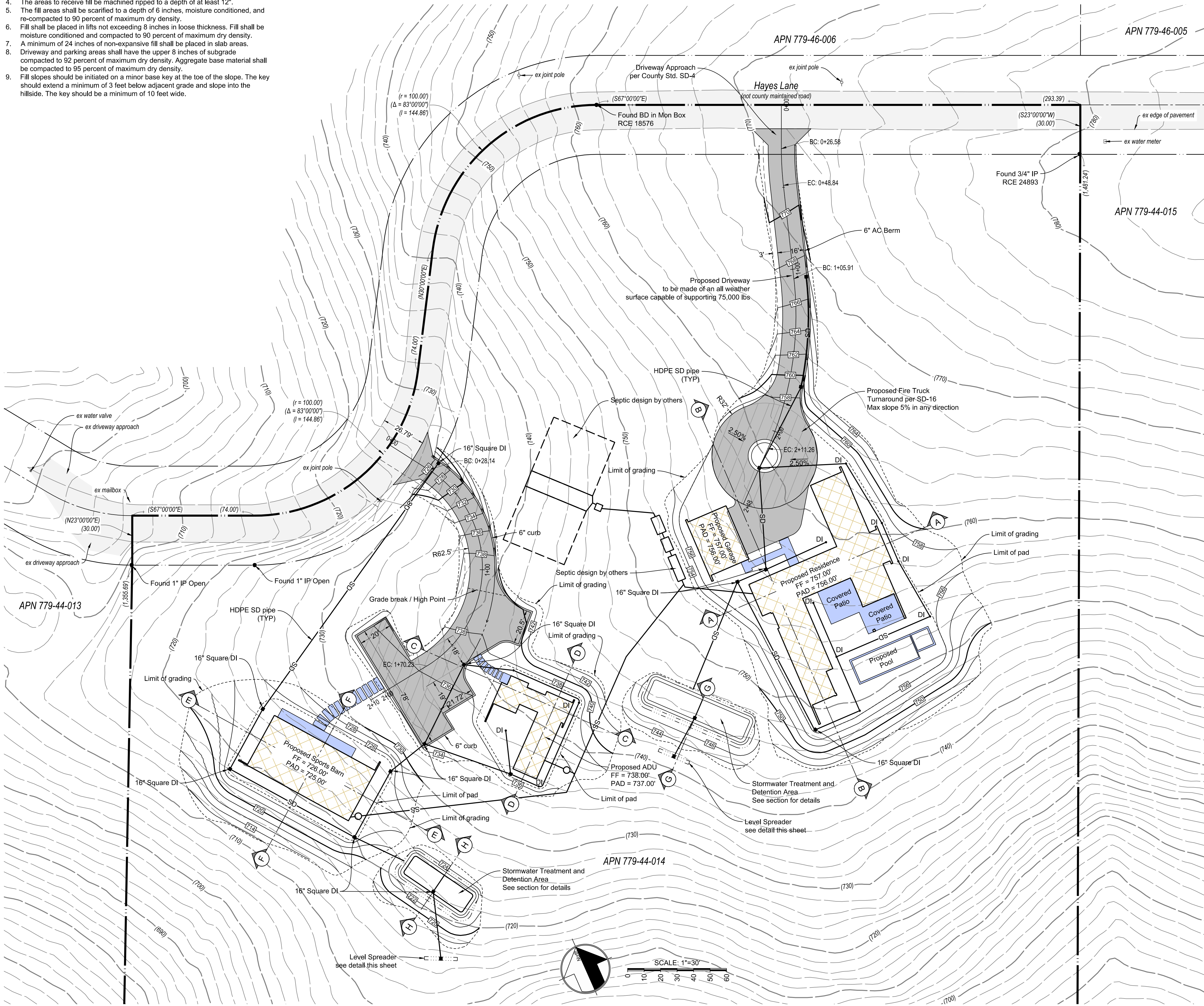
- (refer to Geotechnical Recommendations from Associated Terra Consultants, dated 8/29/2022, for complete geotechnical recommendations)
- All earthwork including grading, foundation drilling, excavation and backfilling shall be observed and inspected by a representative Associated Terra Consultants. Contact their office 48 hours prior to the commencement of any earthwork.
 - All fill placed on the site shall be compacted to 90% relative compaction.
 - All organic surface material (approximately 4 to 6 inches deep) shall be stripped prior to grading operations from all areas to receive fill.
 - The areas to receive fill be machined ripped to a depth of at least 12".
 - The fill areas shall be scarified to a depth of 6 inches, moisture conditioned, and re-compacted to 90 percent of maximum dry density.
 - Fill shall be placed in lifts not exceeding 8 inches in loose thickness. Fill shall be moisture conditioned and compacted to 90 percent of maximum dry density.
 - A minimum of 24 inches of non-expansive fill shall be placed in slab areas.
 - Driveway and parking areas shall have the upper 8 inches of subgrade compacted to 92 percent of maximum dry density. Aggregate base material shall be compacted to 95 percent of maximum dry density.
 - Fill slopes should be initiated on a minor base key at the toe of the slope. The key should extend a minimum of 3 feet below adjacent grade and slope into the hillside. The key should be a minimum of 10 feet wide.

Drainage Notes

- All culverts shall be made of high density polyethylene (HDPE), polyvinyl chloride (PVC), or reinforced concrete (RCP). All culverts shall have a smooth interior.
- Inlets shall be made of concrete and have a smooth bottom.
- All roof downspouts shall be connected to the perimeter SD system shown.
- Paved surfaces adjacent to foundations shall be sloped away at a minimum of 2%.
- Un paved surfaces adjacent to foundations shall be sloped away at a minimum of 5%.
- All non improved disturbed area shall be hydroseeded with native vegetation.
- Diversion berms or v-ditches shall be placed at the edge of all fill slopes to direct surface water into the drainage system.

Drainage Calculation Notes

- Project is required to meet tier 4 post construction performance requirements.
- Retention of stormwater is not allowed onsite per the geotechnical report.
- Project to be classified as technically infeasible and will be required to treat 10% of the equivalent impervious area onsite per Appendix F.
- Bio-filtration treatment areas have been provided for stormwater treatment and will have a non permeable liner to prevent infiltration into the soil.
- Peak flow mitigation will be accomplished with an orifice at the outlet of the treatment area.
- Stormwater will be discharged with a level spreader to promote sheet flow.



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

Preliminary Grading & Drainage Plan
Hayes Lane - APN 779-44-014

DATE: 9/15/2022	JOB NO: 222028	SHEET: 2
SCALE: As Shown	DRAWN BY: DF	OF: 3
CHECKED BY: DF		

