

Abbreviations	
AC	Asphalt Concrete
BC	Beginning of Curve
BVC	Beginning of Vertical Curve
BW	Back of Walk
CL	Centerline
CL DW	Centerline Driveway
CMP	Corrugated Metal Pipe
CO	Clean Out
DI	Drop Inlet
DIP	Ductile Iron Pipe
DWY	Driveway
EC	End of Curve
EG	Existing Ground
ELCT	Electrolier
EP	Edge of Pavement
ER	End of Return
EVC	End of Vertical Curve
EX, EXST	Existing
FF	Finish Floor
FG	Finish Grade
FL	Flowline
GB	Grade Break
HP	High Point
INV	Invert
JP	Joint Pole
LP	Low Point
Max	Maximum
Min	Minimum
NG	Natural Ground
PB	Pull Box
PL	Property Line
PSE	Public Service Easement
PSDE	Private Storm Drain Easement
PVI	Point of Vertical Intersection
PUE	Public Utility Easement
RCP	Reinforced Concrete Pipe
R/W	Right of Way
SDMH	Storm Drain Manhole
SSMH	Sanitary Sewer Manhole
Std	Standard
SW	Sidewalk
TBM	Temporary Benchmark
TC	Top of Curb
Typ	Typical

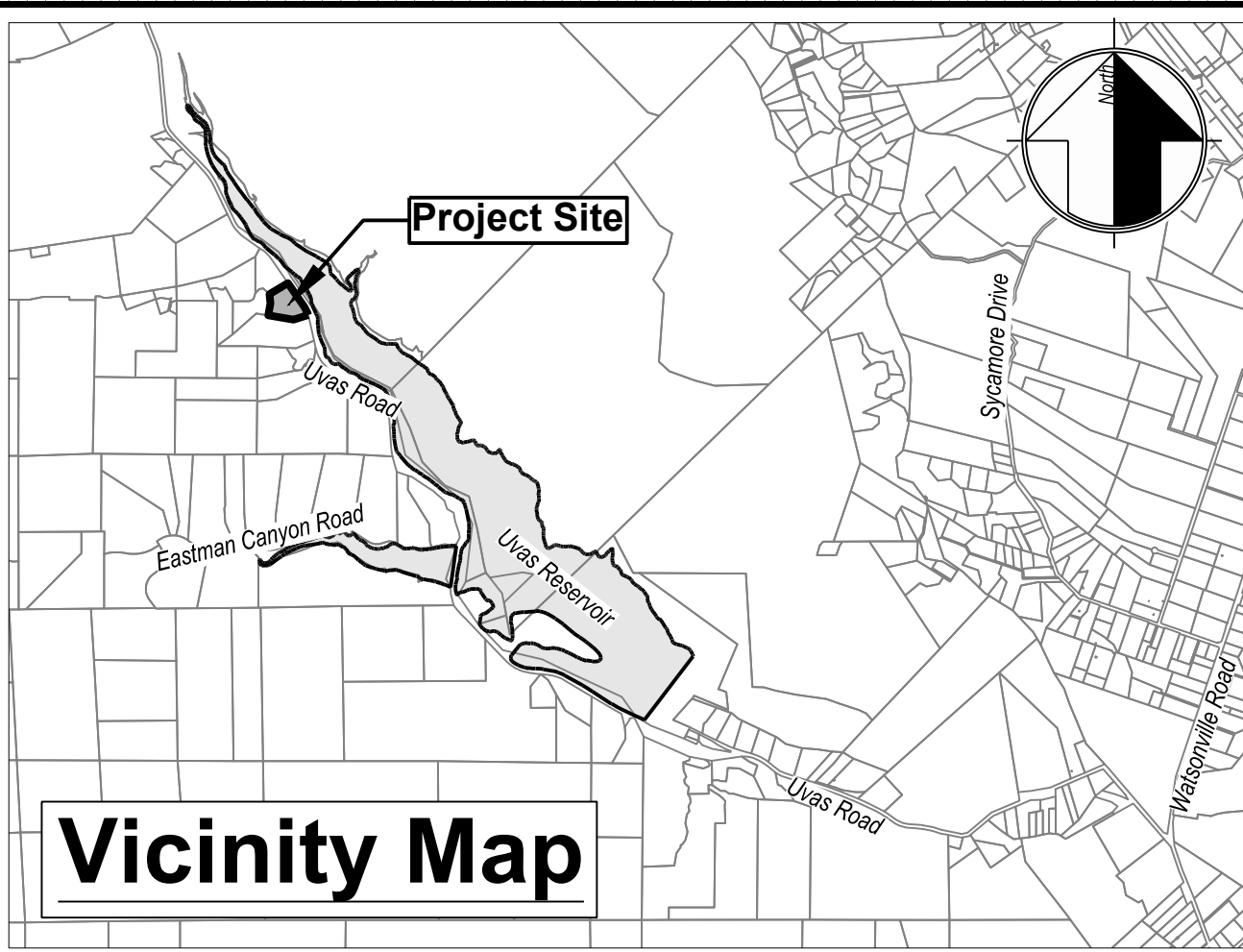
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MH engineering Co.
 Morgan Hill, CA 95037
 16075 Vineyard Boulevard

Buller - Existing Topography
Uvas Road - APN 756-12-026

DATE: 8/7/2024
 SCALE: 1" = 40'
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 SHEET: C2
 OF: 6



Vicinity Map

Benchmark: Elevations on these plans are based upon the southeasterly corner of wharf hydrant pad located along the access road near the point of connection with Uvas Road. Elevation= 509.66' (assumed)

Flood Zone: The parcel lies wholly in Zone D, areas in which flood hazards are undetermined, but possible, per FEMA FIRM 06085C0604H, effective 5/18/2009!

Underground Utility Note: Observed surface evidence of utility lines including facilities, appurtenances and markings were used in depicting the location of underground utilities shown on these plans. However, lacking excavation, the exact location and depth of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation may be necessary.

Topography Note: Topography shown from field surveys conducted by MH engineering in November of 2019

Boundary Note: Property lines shown on this plan are based on record data and boundary monumentation measured to date per Book 260 of Maps, Page 21.

Downspout Note: All rainwater is to be routed to the west side of the structure to the downspouts as shown on the plans.

- Fire Notes:**
1. Property is in wildland urban interface very high (VHZWUI).
 2. Property is in the State Responsibility Area
 3. All proposed driveways to be made of an all weather surface capable of supporting 75,000 lbs.
 4. Fire sprinklers to be a deferred submittal.
 5. Defensible space shall be maintained at all times.

SLOPE CALCS:

S = I / L (100)
 S = A
 I = CONTOUR INTERVAL
 L = CONTOUR LINEAR LENGTH
 A = AREA IN SQUARE FEET
 I = 5 FT
 L = 3,472 FT
 A = 46,072 SF
 S = 37.7%

Notes:

1. No fencing or gates are proposed.
2. No landscaping is proposed.
3. All non improved disturbed areas to be hydroseeded.

Arborist Trees to be removed

#	Size	Type	Recommendation
1	20"	black oak	Remove
2	18"	black oak	Remove
3	14"	black oak	Remove
4	11"	black oak	Remove
5	16"	black oak	Remove
6	20"	black oak	Remove
16	13"	black oak	Remove
18	8,7,10"	black oak	Remove
21	12"	black oak	Remove
28	22"	black oak	Remove
29	18"	coast live oak	Remove
30	17"	valley oak	Remove
31	21"	black oak	Remove
32	21"	coast live oak	Remove
33	22"	coast live oak	Remove
34	18"	coast live oak	Remove
36	13"	coast live oak	Remove
37	16"	coast live oak	Remove
39	13"	coast live oak	Remove
40	10"	black oak	Remove
41	12"	madrone	Remove
42	22"	coast live oak	Remove
43	20"	coast live oak	Remove
51	20"	black oak	Remove
52	24"	black oak	Remove
53	13"	black oak	Remove

Impervious Area Summary

Proposed Residence	1,513 SF
Proposed Detached Garage	441 SF
Proposed Covered Patio	49 SF
Proposed Walkway	156 SF
Proposed Driveway	12,365 SF
Total New Impervious Area	14,524 SF

Proposed Floor Area

Proposed Residence	1,513 SF
Proposed Attached Garage	441 SF
Total Floor Area	1,954 SF

Earthwork Quantities

	Cut	Fill	Max Cut	Max Fill
Building Pad	515 cy	548 cy	8.00'	8.00'
Driveway	2,873 cy	5 cy	10.00'	4.00'
Total	3,388 cy	553 cy		

Area of Disturbance = 29,196 SF

Tree Planting

Quantity	Species	Size
11	Coast Live Oaks	24" Box
11	Valley Oaks	24" Box
11	Black Oaks	24" Box
33	California Native Trees	24" Box

Planting Note: Locations per arborist report suggestions.

Applicant/Owner:

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 ronit.buller@gmail.com

Engineer:

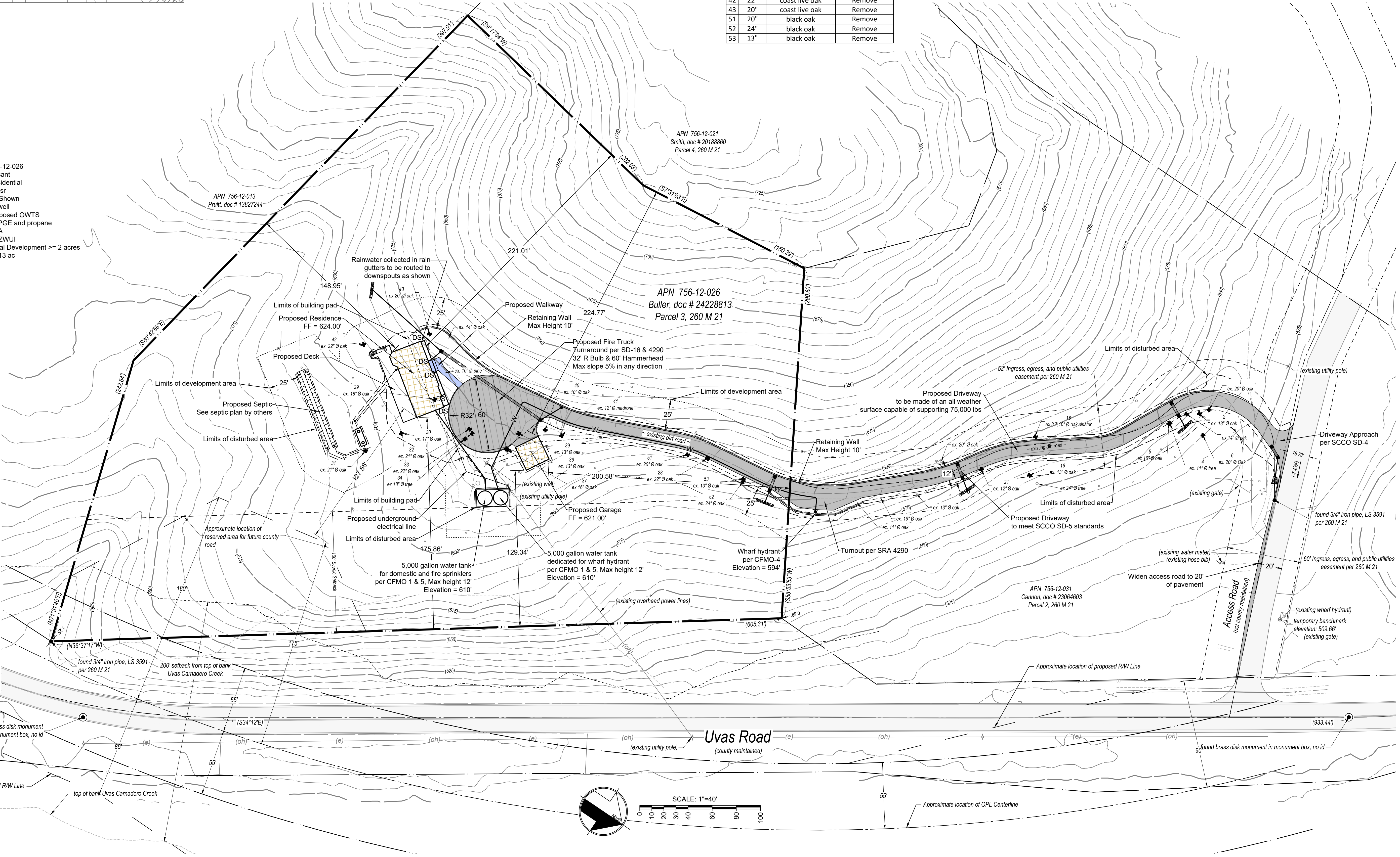
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Project Information:

APN 756-12-026
 Present Use: Vacant
 Proposed Use: Residential
 Present Zoning: HS-SF
 Existing Improvements: As Shown
 Water: ex well
 Sanitary Sewer: Proposed OWTS
 Gas & Electric: ex PGE and propane
 Fire Responsibility Area: SRA
 Wildland Urban Interface: VHZWUI
 HCP Area: Rural Development >= 2 acres
 Gross Area: 4.913 ac

Tree Removal Summary

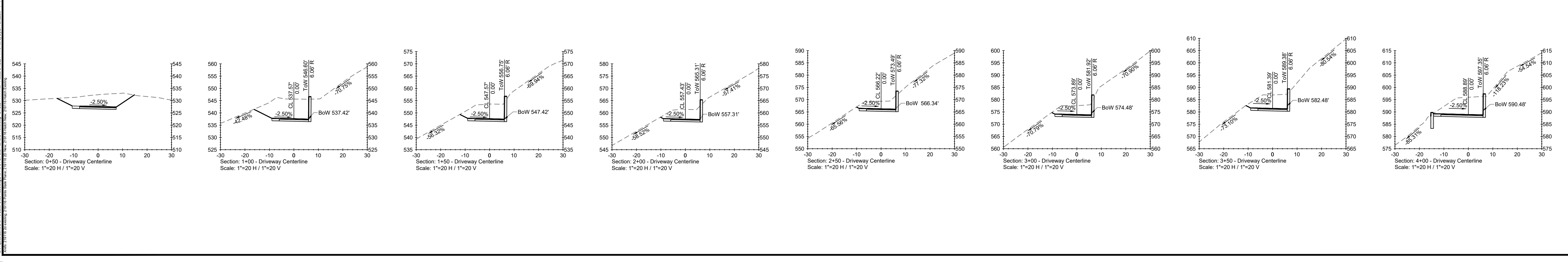
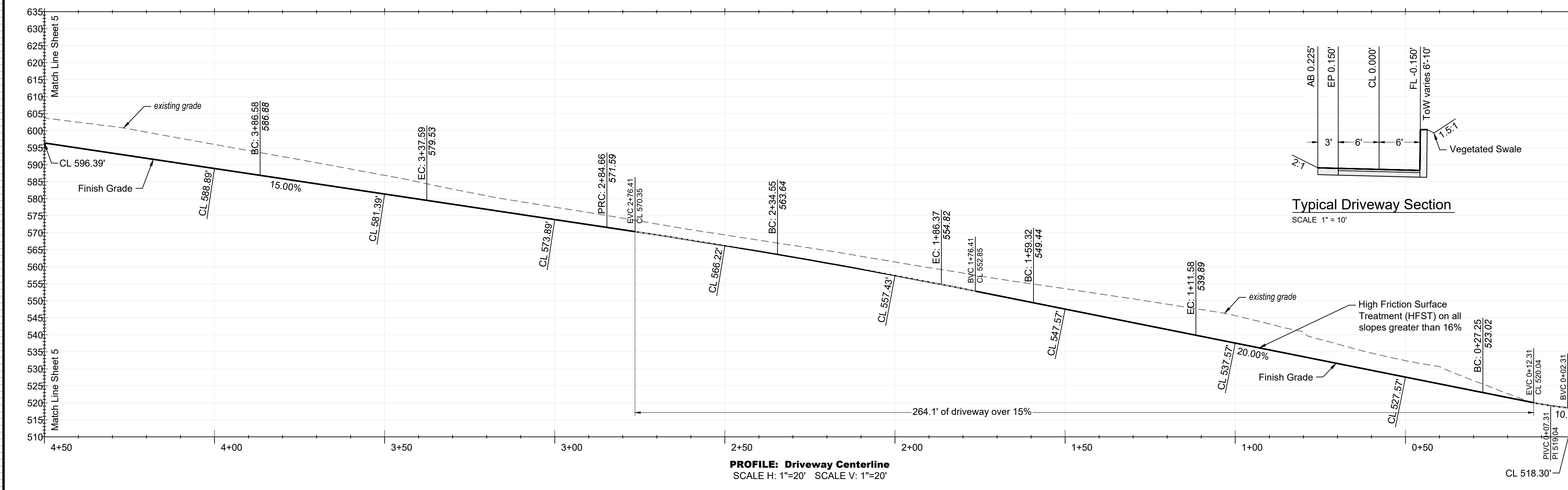
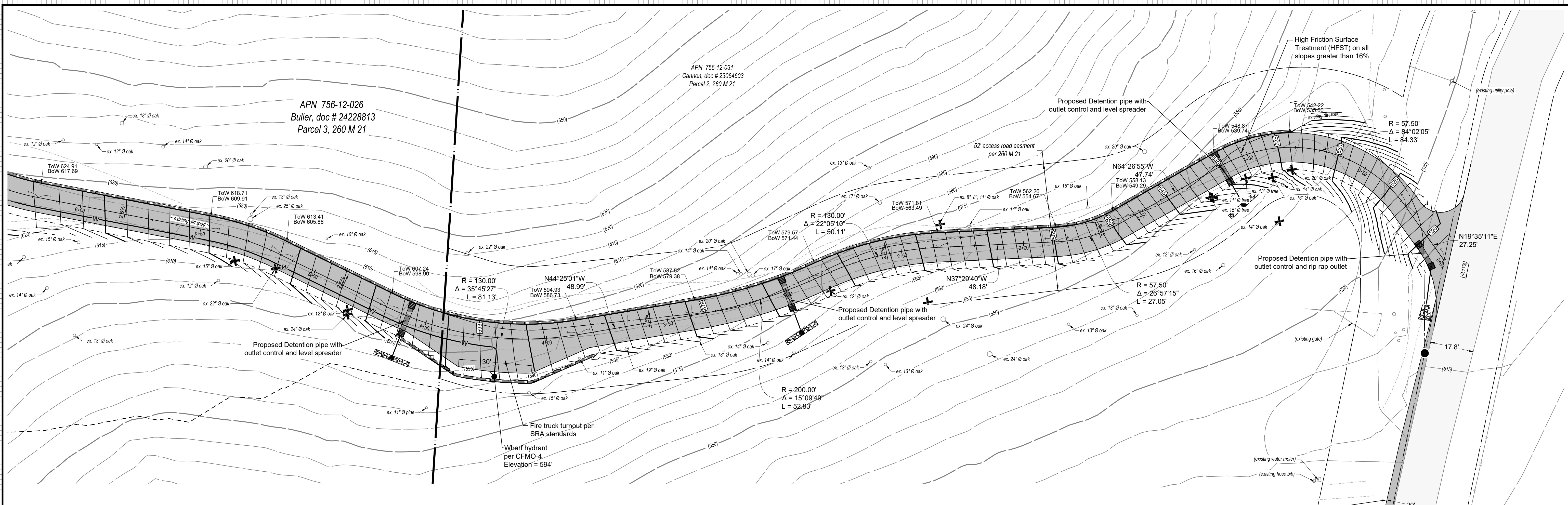
#	Species	Size
1	Oak	21"
2	Oak	20"
3	Oak	17"
4	Oak	14"
5	Oak	14"
6	Oak	12"
7	Oak	15"
8	Oak	22"
9	Oak	12"
10	Oak	15"
11	Oak	22"
12	Oak	12"
13	Oak	24"
14	Oak	11"
15	Oak	19"
16	Oak	13"
17	Oak	12"
18	Oak	16"
19	Oak	20"
20	Oak	8"
21	Oak	14"
22	Oak	14"
23	Oak	13"
24	Madrone	12"
25	Pine	11"
26	Pine	13"
27	Pine	10"
28	Oak	17"
29	Oak	21"
30	Oak	22"



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

Buller - Site Plan
Uvas Road - APN 756-12-026

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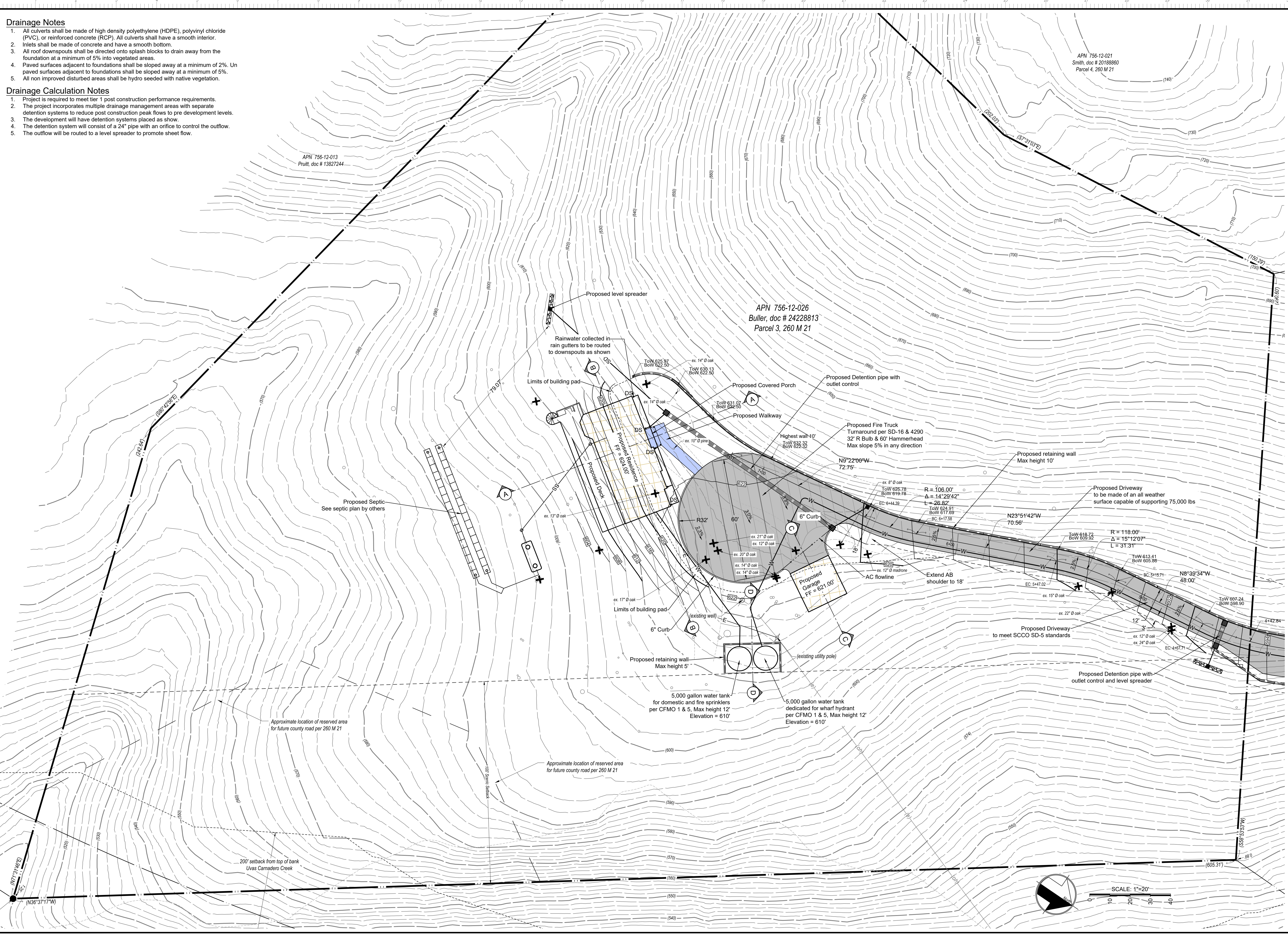
Drainage Notes

1. All culverts shall be made of high density polyethylene (HDPE), polyvinyl chloride (PVC), or reinforced concrete (RCP). All culverts shall have a smooth interior.
2. Inlets shall be made of concrete and have a smooth bottom.
3. All roof downspouts shall be directed onto splash blocks to drain away from the foundation at a minimum of 5% into vegetated areas.
4. 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%.
5. All non improved disturbed areas shall be hydro seeded with native vegetation.

Drainage Calculation Notes

1. Project is required to meet tier 1 post construction performance requirements.
2. The project incorporates multiple drainage management areas with separate detention systems to reduce post construction peak flows to pre development levels.
3. The development will have detention systems placed as shown.
4. The detention system will consist of a 24" pipe with an orifice to control the outflow.
5. The outflow will be routed to a level spreader to promote sheet flow.

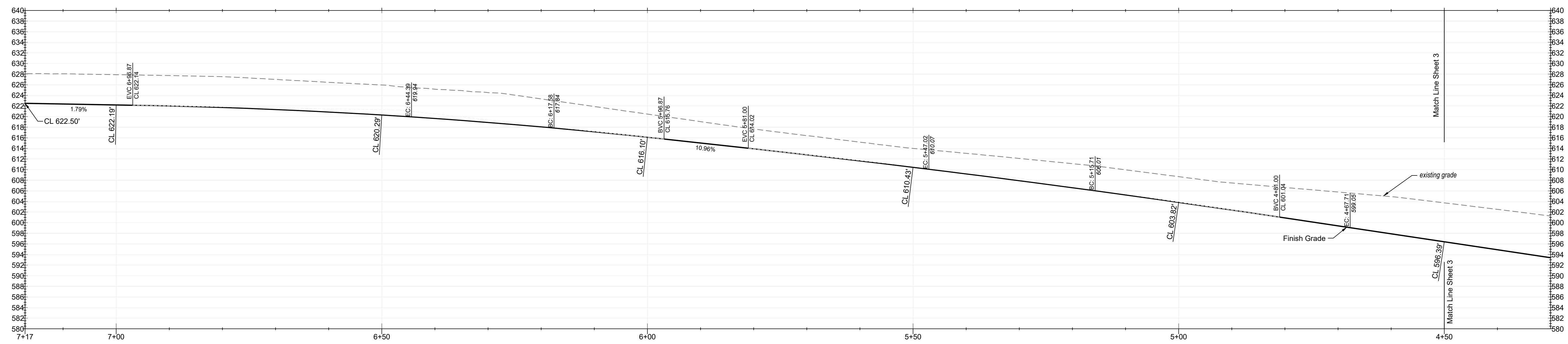
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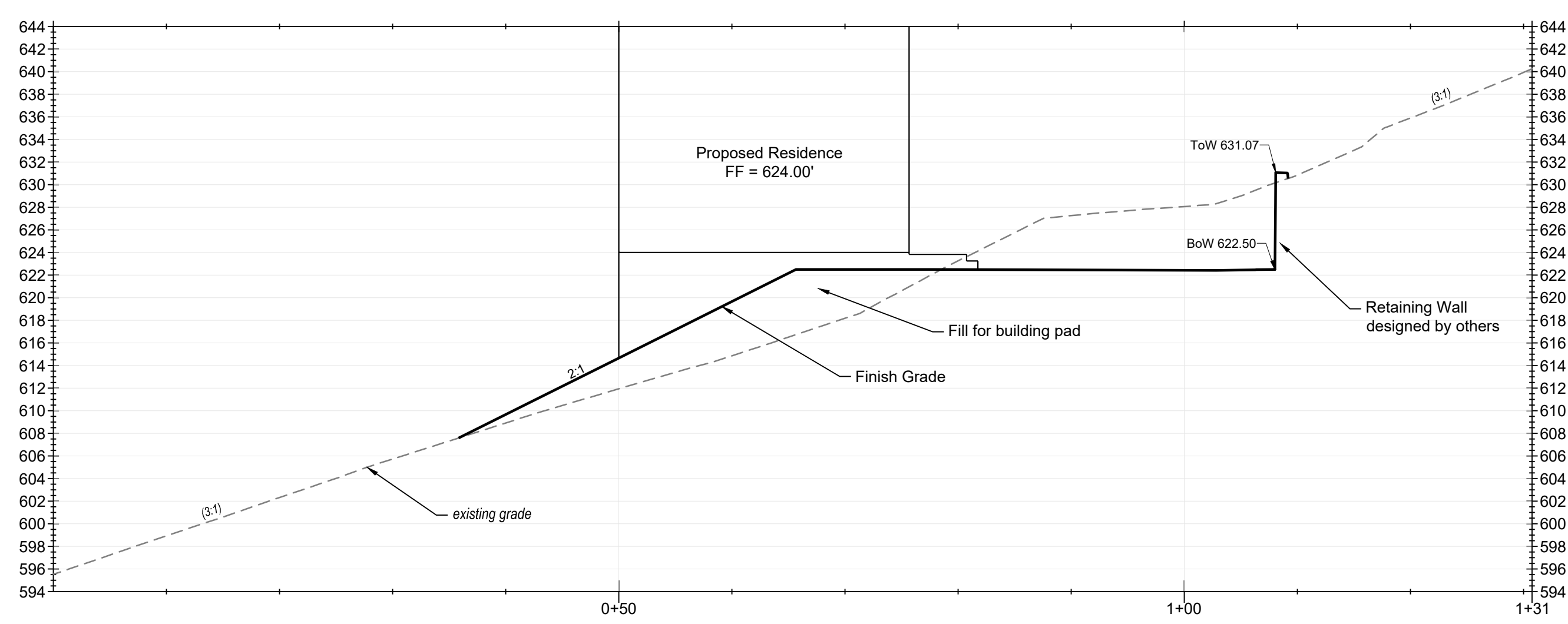
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 Morgan Hill, CA 95037

Grading and Drainage Plan
Uvas Road - APN 756-12-026

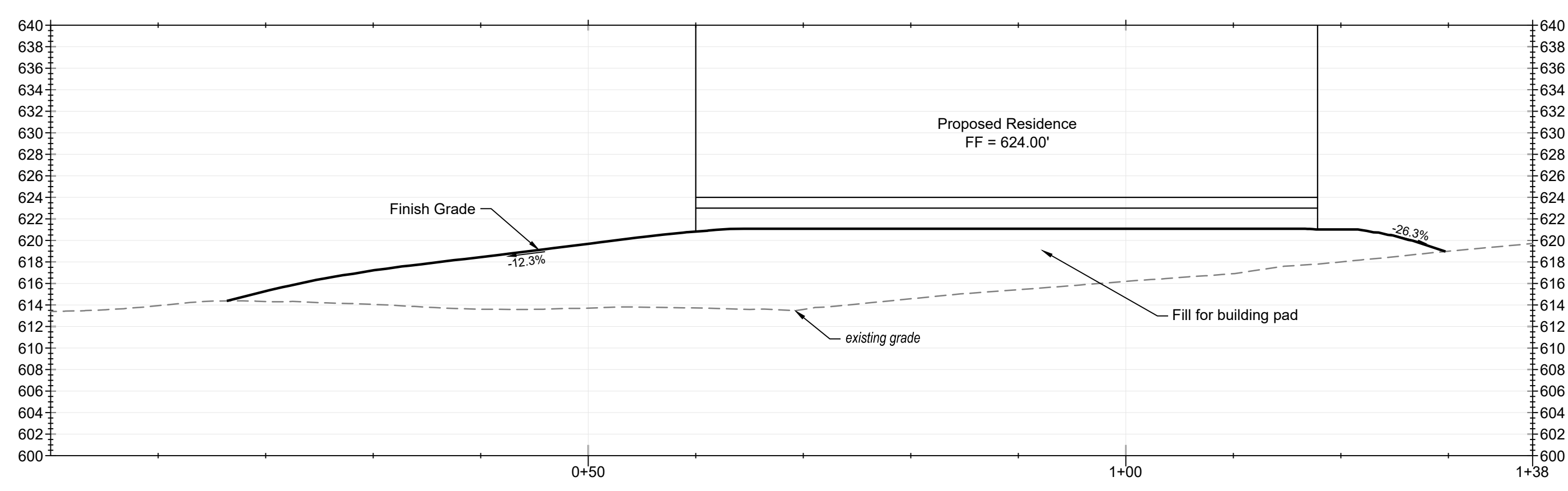
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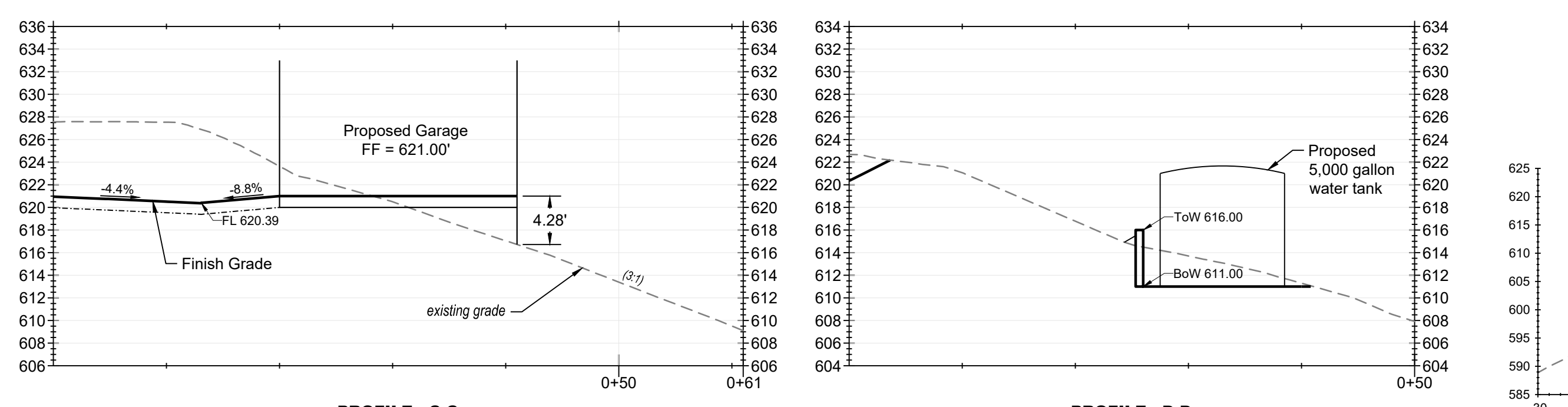
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PROFILE: A-A
 SCALE H: 1"=10' SCALE V: 1"=10'

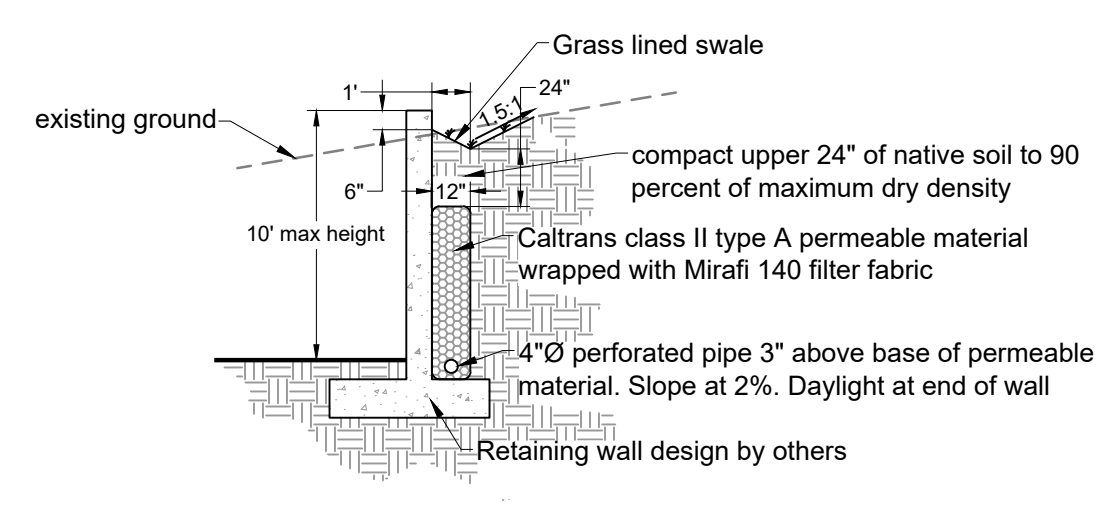
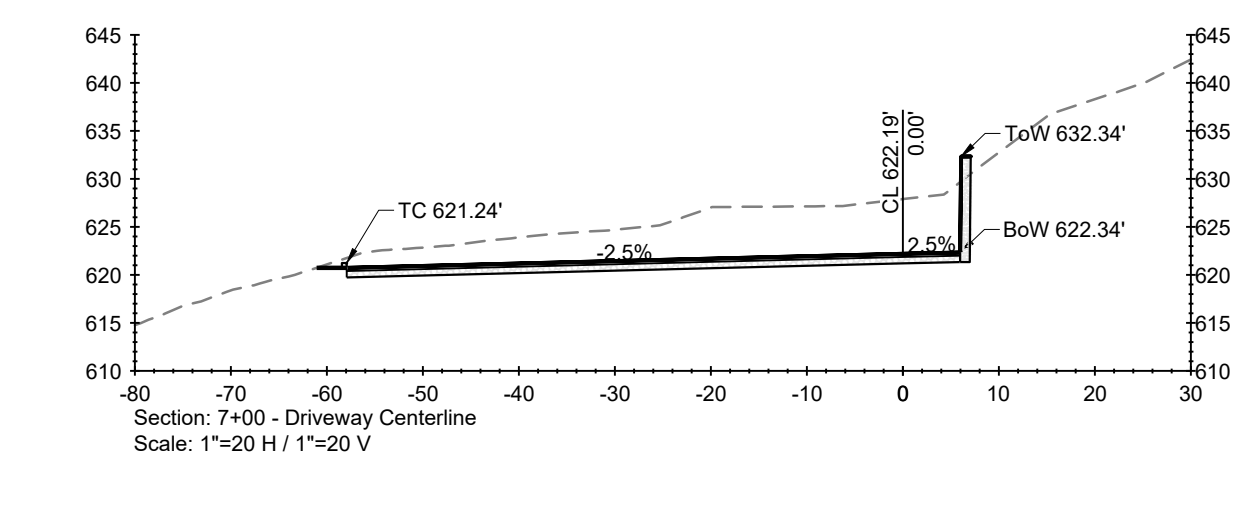
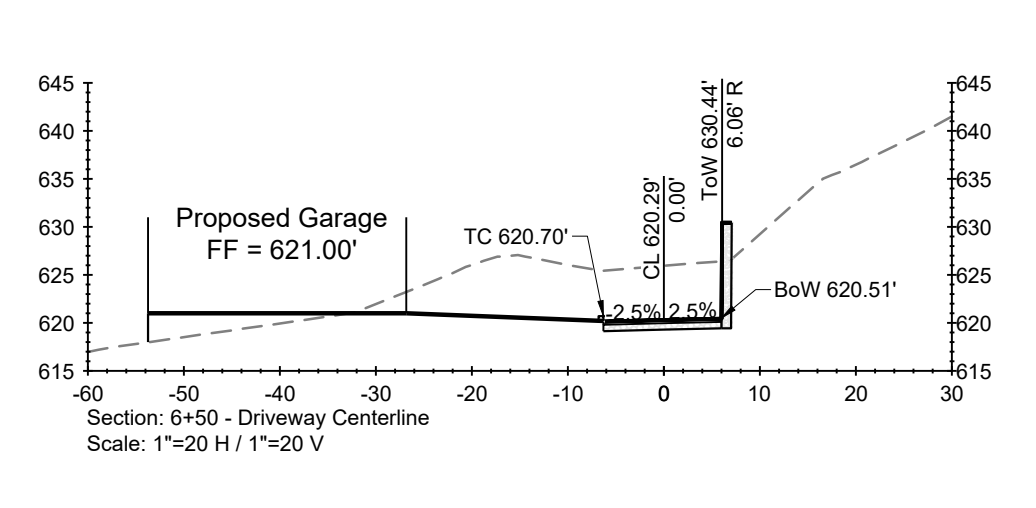
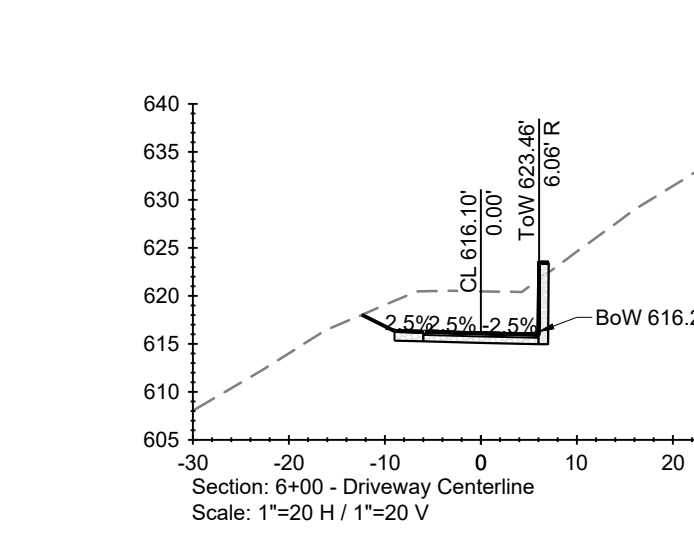
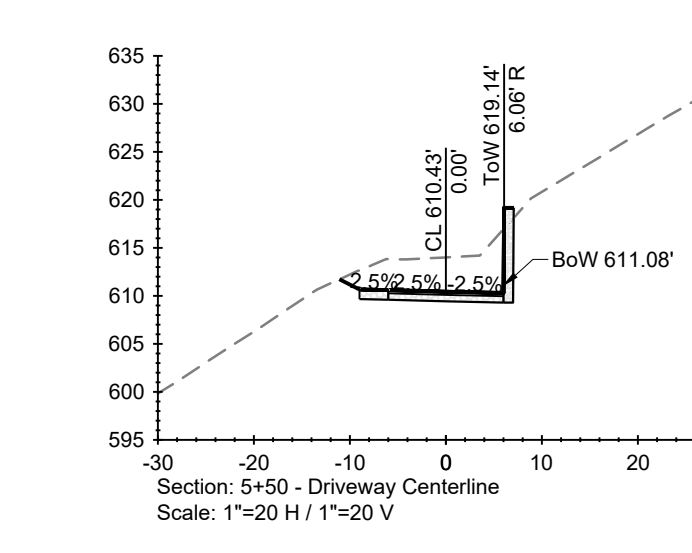
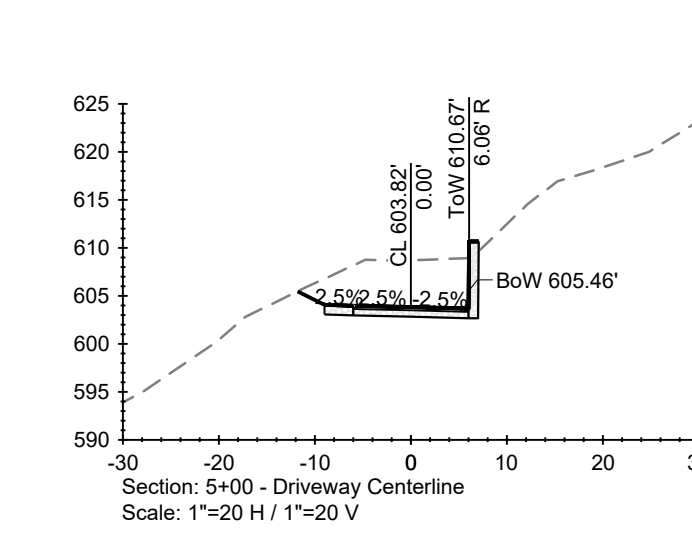
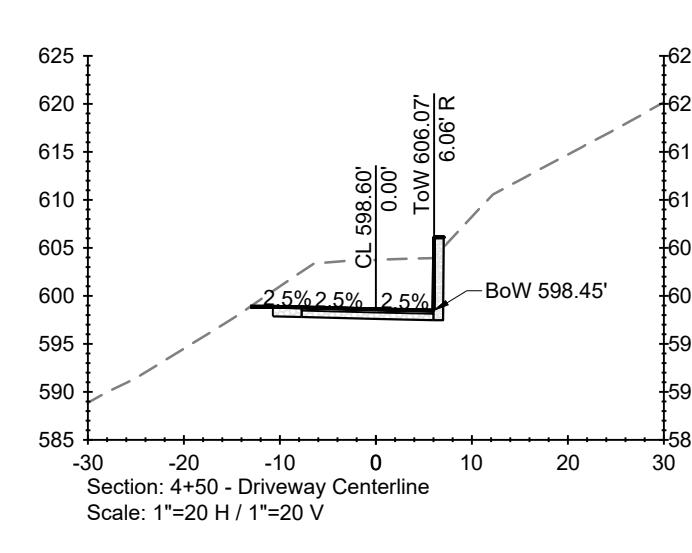


PROFILE: B-B
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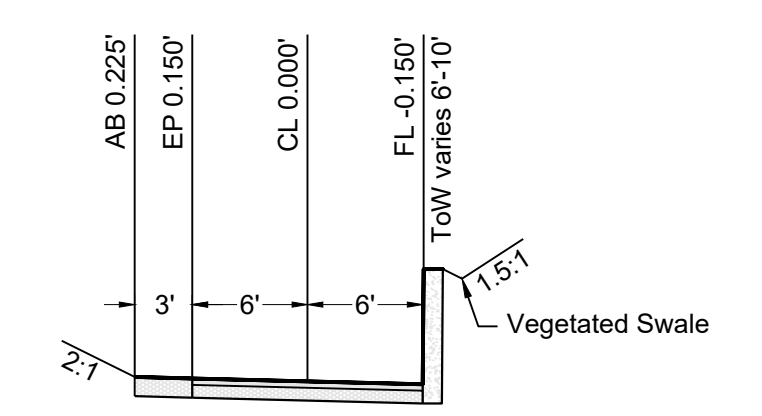


PROFILE: C-C
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PROFILE: D-D
 SCALE H: 1"=10' SCALE V: 1"=10'



Retaining Wall Drainage Detail
 N.T.S.



Typical Driveway Section
 SCALE 1" = 10'