Town of Montreat Board of Adjustment (BOA) Meeting Agenda February 22, 2024, 5:00 p.m. Montreat Town Hall 1210 Montreat Rd., Black Mountain, NC 28711 Meeting also held via Zoom: <u>https://bit.ly/3oFiacv</u>

I. CALL TO ORDER

- Welcome
- Moment of Silence

II. CERTIFICATION OF QUORUM

- III. AGENDA ADOPTION (Packet pages 1 2)
 - **Suggested Motion**: To adopt the meeting agenda as presented/amended

IV. SWEARING IN OF NEW MEMBERS

• If present at this meeting, swear in **Ed Kramer** as a Regular Member of the Town of Montreat's Board of Adjustment.

V. ADOPTION OF JANUARY 25, 2024, MEETING MINUTES (Packet pages PENDING)

• **Suggested Motion:** To adopt the January 25, 2024, Meeting Minutes as drafted/amended.

VI. EVIDENTIARY HEARING

• Variance Request (VA-2023-03)* – A Variance Request (VA-2023-03) submitted by John Hennis (on behalf of the Property Owners, Dowd Montreat, LLC) to Chapter K Article IV Section II(4)(a) of the Montreat General Ordinance to increase the Approved Graded Area from 40% to 85.2% and to Chapter K Article IV Section II(4)(j) of the Montreat General Ordinance to increase the approved development intensity ratio from 0.30 to 0.472 on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat.

Suggested Motion: To grant/grant with conditions/deny VA-2023-03.

Applicant materials (Packet pages 3 - 8) Staff materials (Packet pages 9 - 15)

* This case was continued from the January 25, 2024, Board of Adjustment meeting to this meeting to allow the Applicant to revise their site plan.

• **Special Use Permit Request (SUP-2023-02)** – A Special Use Permit (SUP-2023-02) to allow a 1,010 square-foot detached Garage (Accessory Building) with a final height taller than ten feet to be placed in the front yard of a single-family dwelling unit submitted by John Hennis (on behalf of the Property Owners, Dowd, Montreat, LLC) on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace

Town of Montreat Board of Adjustment (BOA) Meeting Agenda February 22, 2024, 5:00 p.m. Montreat Town Hall 1210 Montreat Rd., Black Mountain, NC 28711 Meeting also held via Zoom: https://bit.ly/3oFiacv

and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat.

Suggested Motion: To grant/grant with conditions/deny SUP-2023-02.

Applicant materials (Packet pages 16 – 66) Staff materials (Packet pages 67 – 86)

- VII. NEW BUSINESS
- VIII. ADJOURNMENT

February 8, 2024

Variance Request for 325 North Carolina Terrace, Montreat NC

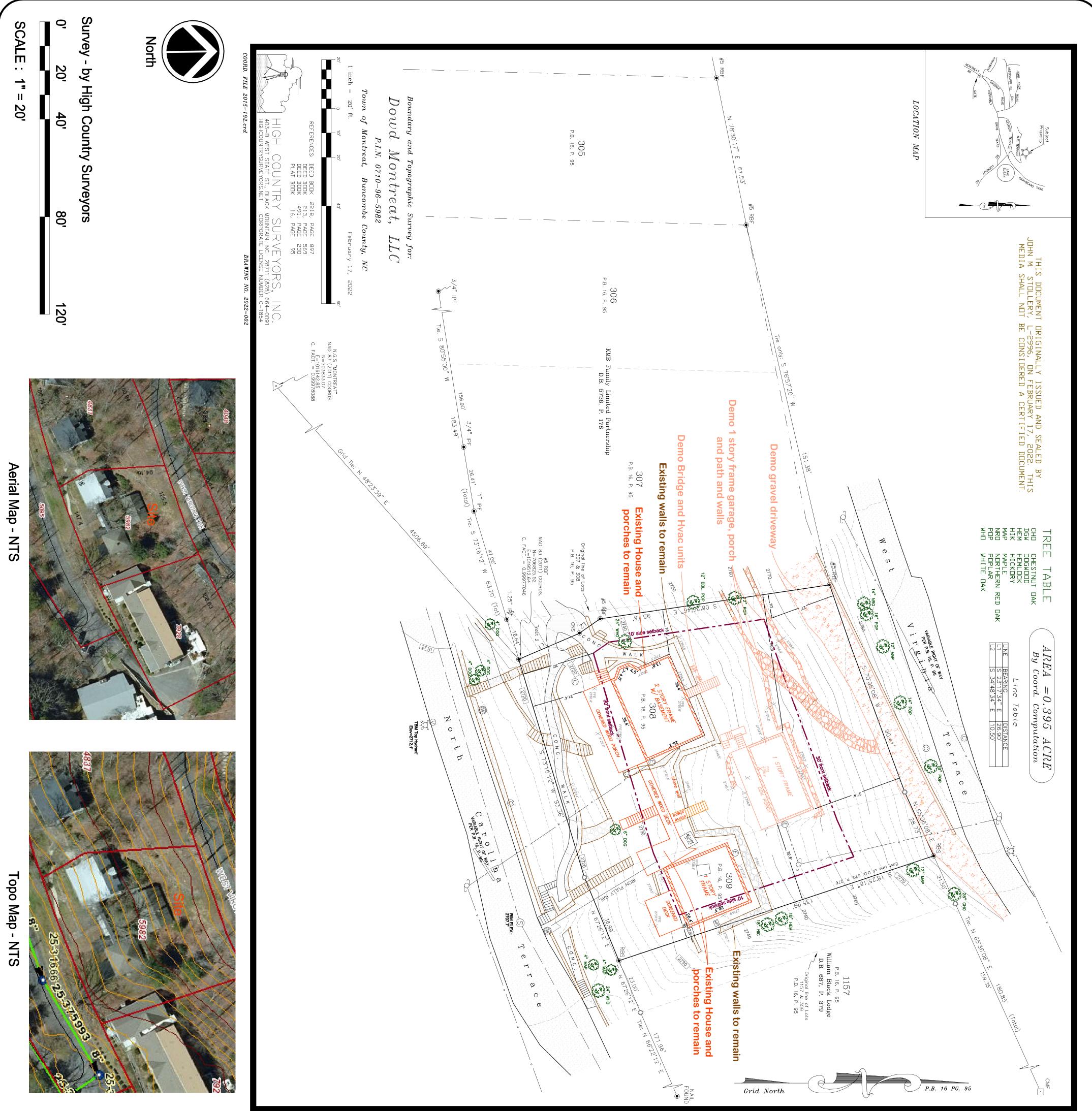
Site plan Revision #1:

In accordance with the request at the Board of Adjustments meeting on January 25th, we have agreed to make the following changes to the site plan and subsequently the variance request for 325 North Carolina Terrace:

- 1. The proposed garage structure has been removed from the project.
- 2. The parking area at the lower end of the driveway has been adjusted to provide the minimum adequate space for parking and turn around.
- 3. The water management plans have been changed to accommodate the request from the adjoining property owner.
- The changes and adjustments above have changed the site calculations by: Impervious area has changed from 44% to 47.2%.

Grading area limit has changed from **89.3% to 85.2%**.

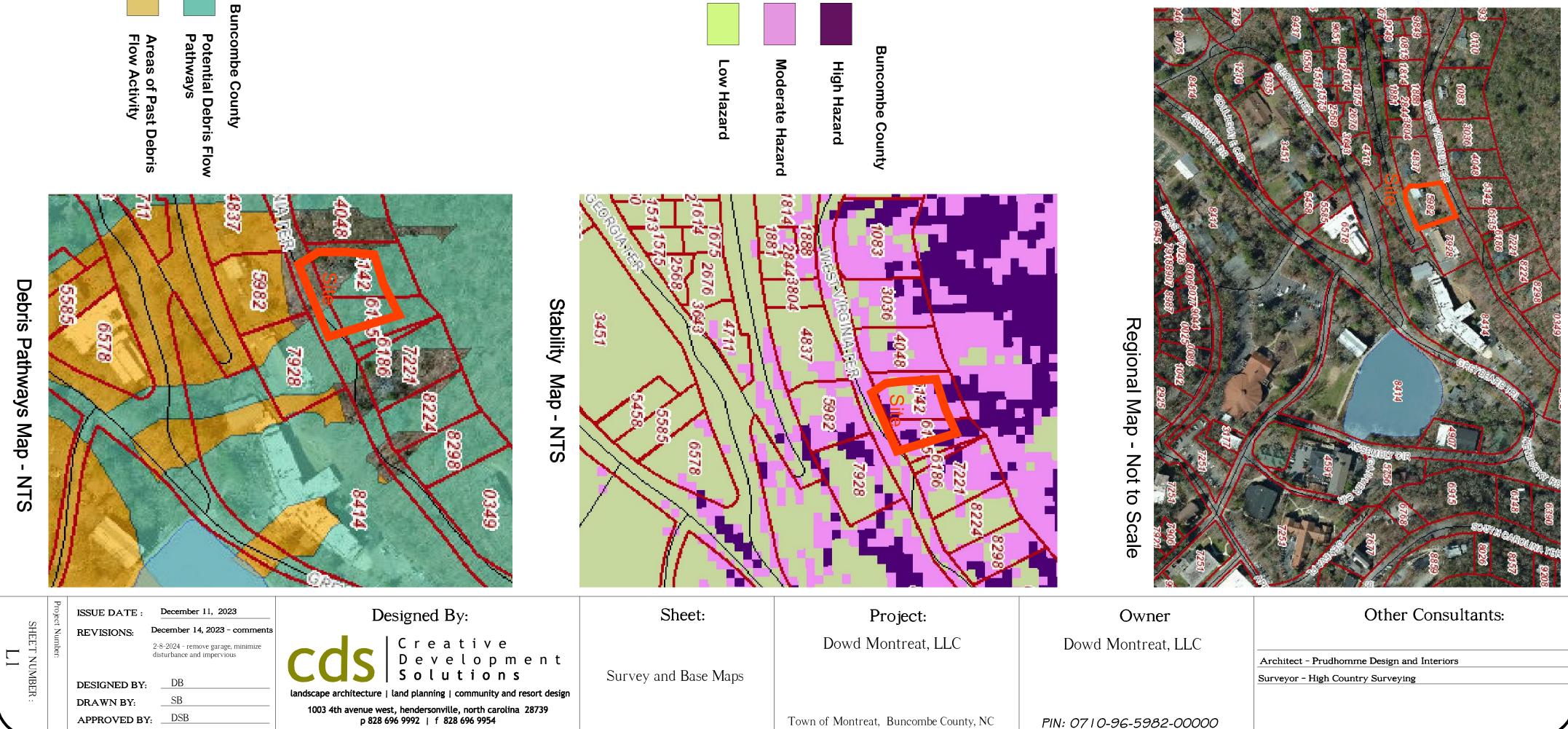
Lastly, I like to note that the day after the hearing I receive a call from our neighbor Charlie Morris. We discussed the proposed adjustments to our storm water management plan, and he was appreciative that we were willing to make the changes in response to their concerns. He also stated that they wanted to be good neighbors and wished us luck with our project.

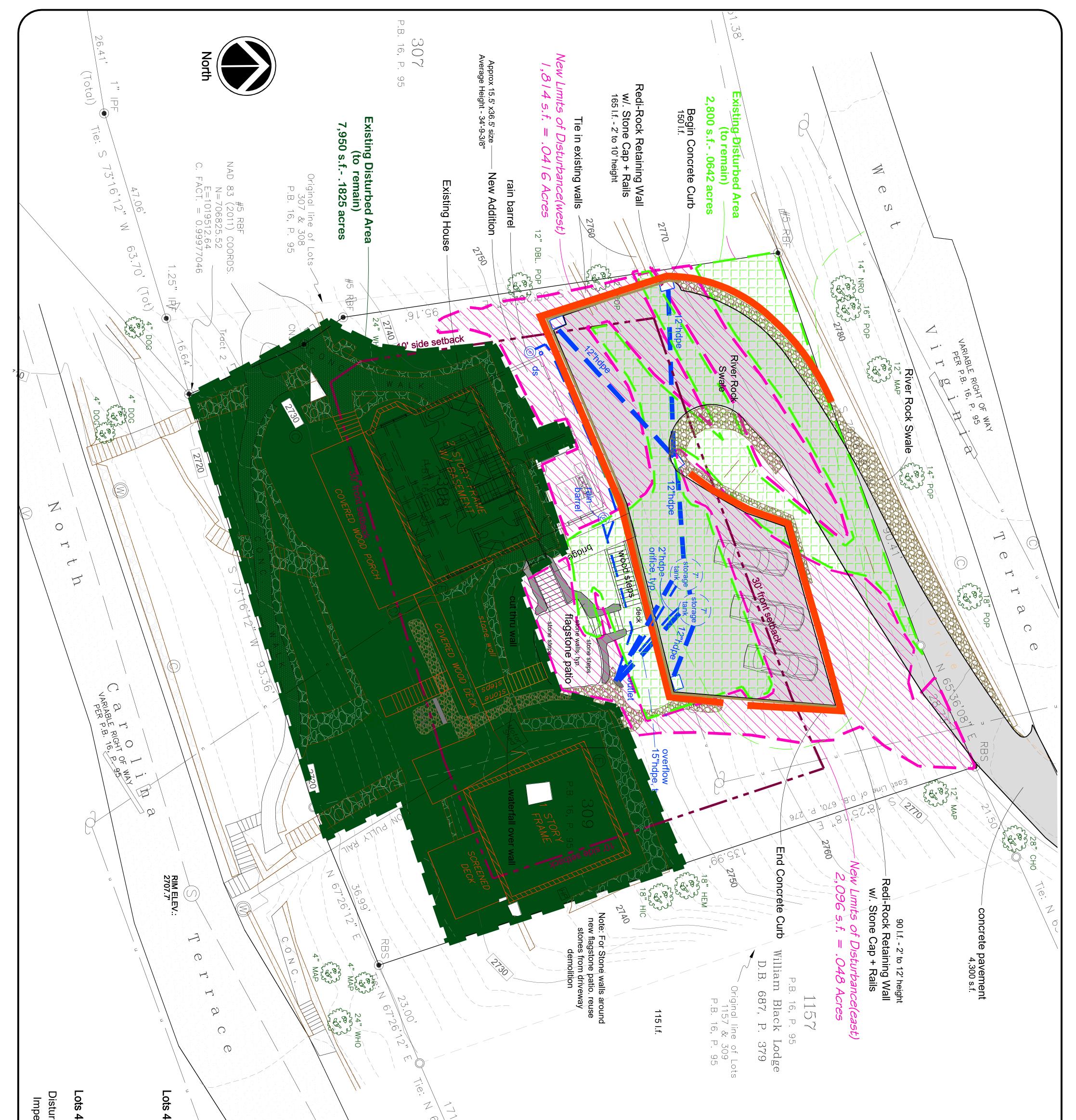




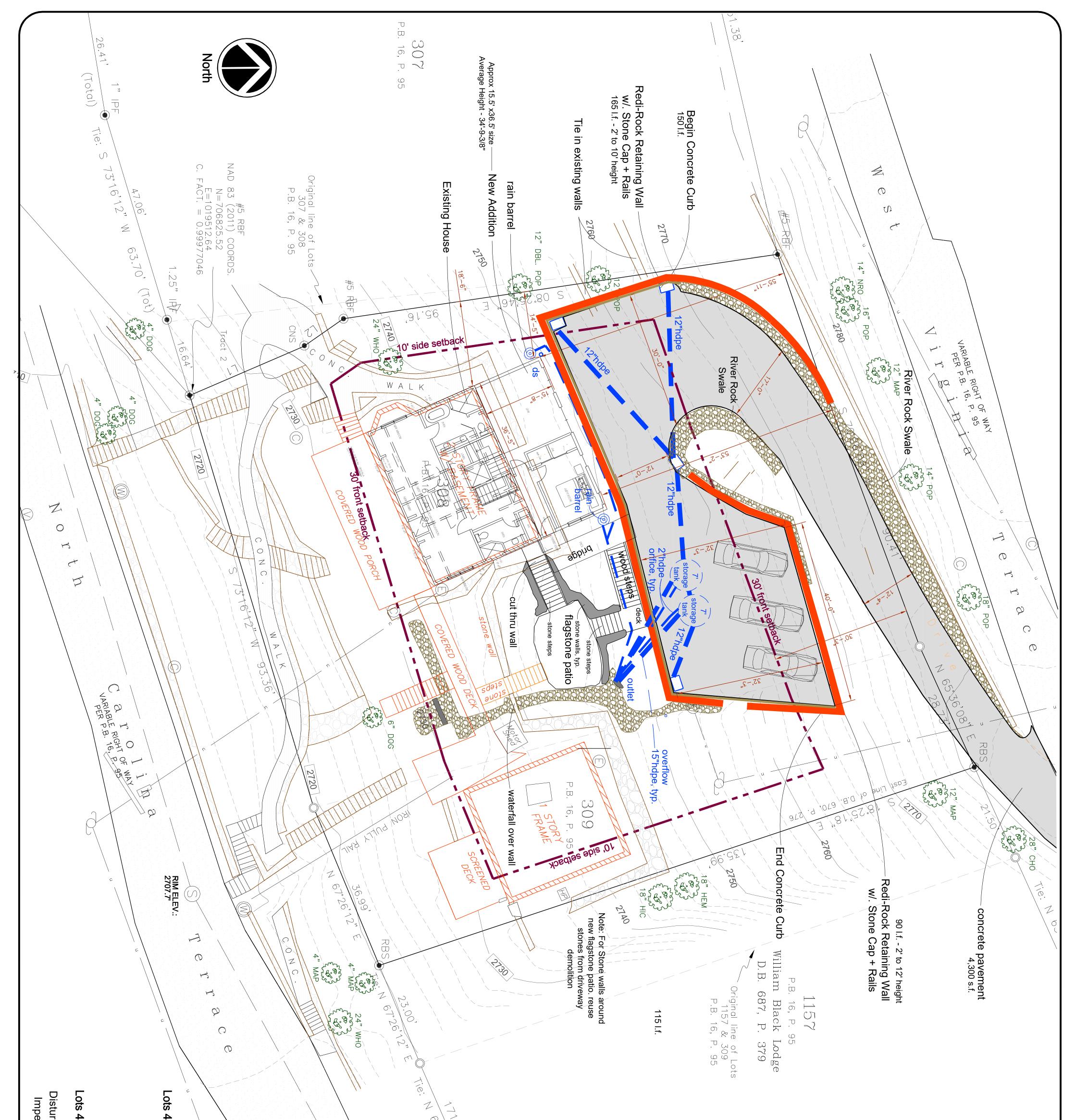




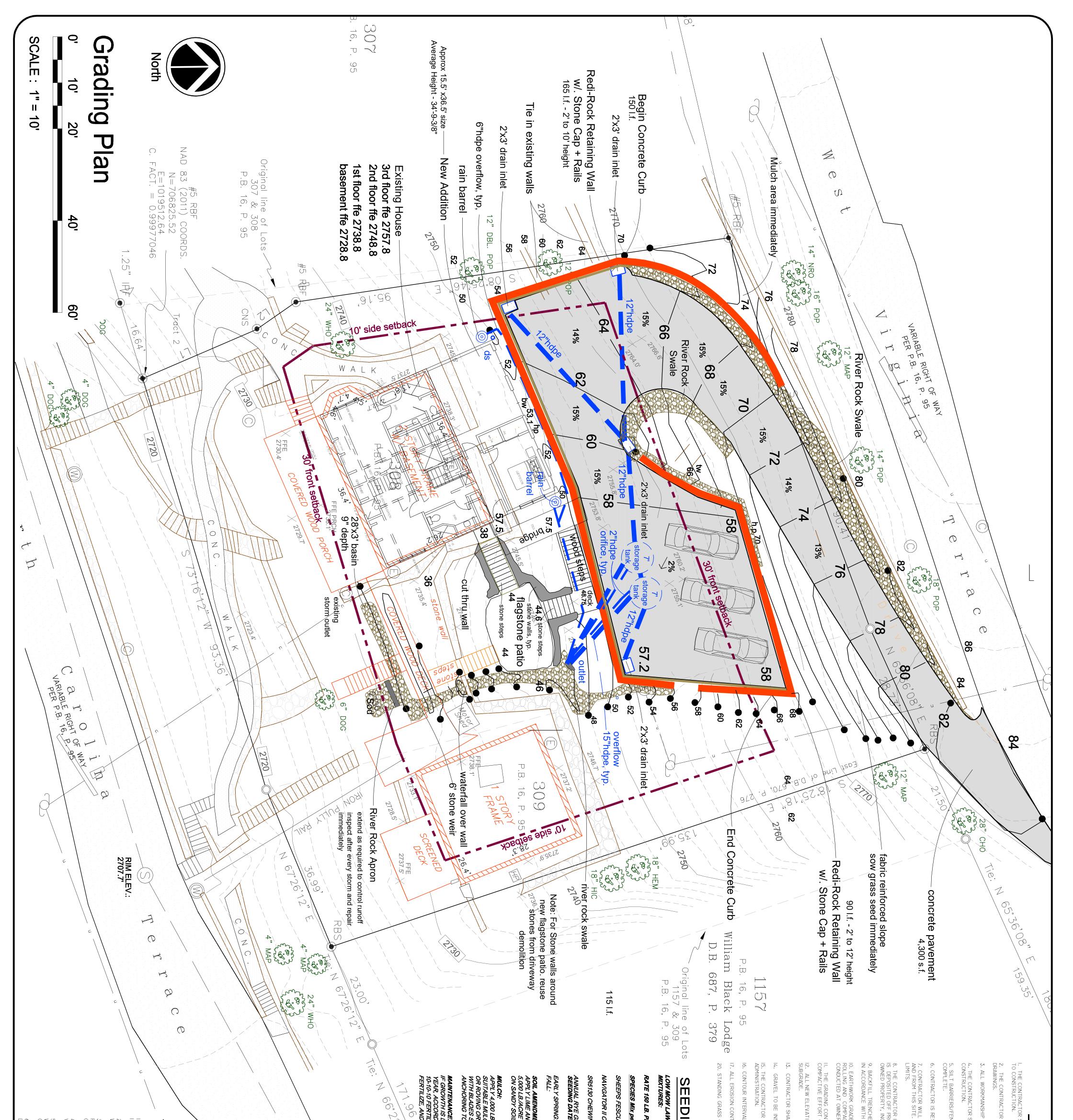








sf / .089 acres	14,660 s.f.	id Area (to remain) = 10,750 s.f. / .247 acres Disturbed Area = 14,660 of Disturbed = 85.2% = 85.2% per/vious Area = New Impervious area - Existing Impervious to Remove 5,285 + 2,360 = 2,925 s.f. = .067 acres per/vious Area = Taul New Impervious area + Existing Impervious to Remove 2,925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres per of the entire property is 44,82%. ration of the lot is 2,780° odplains on or adjacent to this property calculations ly 1,200 s.f. of residentall use is added with this project al parking areas are required. Three total spaces provid al parking areas are required. Three total spaces provid = 6.882.48 s.f. / 56 acres max. Residence Project Proposed Land Disturbance promoted Impervious and impervious allowed and Disturbance promoted	REVISIONS: December 14, 2023 - comments	disturbance and impervious
	stafing Disturbed Area (cremain) = 10,750 st./ .247 ecres fail Proposed Disturbed Area = 14,660 st./ .337 acres 0.750 (Existing) + 3,910 (new) = 14,660 st./ .337 acres fail New Impervious Area = 1 we required a set to the impervious and the construction of the constructin of the construction of the constructin o	<u> </u>	onsultants	nteriors
	g/s s, f. y West New (1,1914 s, f.) = 3,910 sf/, 009 acres d/Area (ko remain) = 10,750 sf. / .247 acres Disturbed Area = 14,660 sf. / .337 acres periods Area = 14,660 sf. / .337 acres 5,285 - 2,300 = 2,925 sf. = 0.67 acres 2,925 sf. = 5,199 sf. = 8,124 sf = .660 acres 2,925 sf. = 5,199 sf. = 8,124 sf = .607 acres 2,925 sf. = 4,1260 sf. / .247 acres 2,925 sf. = 5,199 sf. = 8,124 sf = .607 acres 2,925 sf. = 1,607 acres 2,925 sf. = 5,199 sf. = 8,124 sf. Atrea = 17% Atrea = 100000 Inparting areas are required. Three total spaces provided Inparting areas are required. Three total spaces provided Inparting areas max. Start Partice acres Start Partice acres Atrea = 1.0000 Montrest, LLC	Proposed New Disturbed Area = 3,910 s.f. / .089 acres	ltar	<u>}</u>
	d Area (to remain) = 10,750 st / 247 acres Disturbed Area = 14,660 d) + 3,310 (new) = 14,660 d) + 3,310 (new) = 14,660 2,25,55,7,265 - 2,360 = 2,255 st = 067 acres 5,265 - 2,360 = 2,255 st = 067 acres 5,265 - 2,360 = 2,255 st = 067 acres 1,0ep of the entire property is 44.82%. adian of the lot is 2,780° odplains on or adjacent to this property aeams on this property. aparking areas are required. Three total spaces provided. e, 5,822.48 st / 1,828 And Disturbance allowed = 6,382.48 st / 1,888 acres max. 1,588 acres max. Residence Project Proposed impervious and bis streament is studied by: Nontreat Requirements Land Disturbance allowed = 6,382.48 st / 1,888 acres max. 1,588 acres max. 1,2680 st. Stet Plan Designed By: Creative bound and bis propeed Disturbance proposed Impervious acres max. 1,285 a	sf/.	nsul	eriors
sf / .089 acres	Disturbed Area = 14,660 1,337 acres (VOUS Area = New Inservices area - Examply Inservices to Rement 5,265 - 2,300 = 2,925 st. = 0,67 acres 5,265 - 2,300 = 2,925 st. = 0,67 acres 5,161 st. = 1,865 acres are required. Three total spaces provided. Land Disturbance allowed 14,660 st. Impervious are required. Three total spaces provided. 5,161.86 st. max. 1,58 acres ma	Existing Disturbed Area (to remain) = 10,750 s.f. / .247 acres	r Cc	
r Consult	Disturbed Area = 14,660 sf / 337 acres at Disturbed Area = 14,660 at Disturbed Area = 14,660 at Disturbed Area = 14,660 bisturbed Area = 1,660 bisturbed Area = 1,600 bisturbed Area = 1,600 bisturbed Area = 1,600 bisturbed Area = 1,7% b		the	
cres .089 acres her Consult	State Date: Project: Owner Disturbance allowed 14.6600 sf. Impervious Area = 47.2% Sheet: Project: Dowd Montreat, LLC Designed By: Sheet: Project: Dowd Montreat, LLC Disturbance allowed 14.6600 sf. Impervious Freating Sheet: Project: Dowd Montreat, LLC Disturbance allowed 14.6600 sf. Impervious Freating Sheet: Project: Dowd Montreat, LLC Disturbance allowed 14.6600 sf. Impervious Freating Sheet: Project: Dowd Montreat, LLC	Total Proposed Disturbed Area = 14,660 sf. / .337 acres	Ot	
Cres .089 acres Other Consult	a) Disturbed = 85.2% b) 2.925 st.f = 5,286 = 1 train key trippervisus to the property is 4.82%. c) 2.925 st.f = 5,199 st = 1 train key trippervisus to the property is 4.82%. c) 2.925 st.f = 5,199 st = 8,124 st = .1865 across to this property is 44.82%. c) c) c) st. of the entire property is 44.82%. c) c) st. of residential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or esidential use is added with this property. c) st.f or use invector max. s) store max. c) solution or equipace max. s) store max. s) store max. c) solution or solution	10,750 (Existing) + 3,910 (new) = 14,660		
Cres 1.089 acres Other Consult	Vious Area = 1 New Impervious area - Ecolog Impervious area - Ecolog Impervious Area = 7200 St. Calculations 2.925 s.f. = 0.07 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = .1865 acres 2.925 s.f. + 5,199 s.f = 8,124 s.f. 2.124 s.f. Barns on this property is 44.82%. al parking areas are required. Three total spaces provided. Impervious allowed = 6,892.48 s.f. / 1,86 s.f. max. 5,161.86 s.f. max. .1882 barea 5,161.86 s.f. max. .158 acres max. 5,161.86 s.f. max. .8,124 s.f. Dowl Montreat, LLC Dowl Montreat, LLC Dowl Montreat, LLC Dowl Montreat, LLC Dowl Montreat, LLC Designed By: Site Plan Site Plan Site Plan	Demontance of I of Dieti irhed = 85 2%		
Cres .089 acres Other Consult Prudhomme Design and Interiors	VOUS Area = Tream term proposes area - Examing improvous to Formove 5,285 - 2,360 = 2,925 s.f. = .067 acres 2,925 s.f. + 5,199 s.f. = .1865 acres 3,124 s.f. = .1865 acres 3,161 s.g. 2,780 violation 41,660 s.f. of residentall use is added with this property aems on this property. Calculations Calculations Montreat Requirements Nontreat Requirements 5,161.86 s.f.max. 1,58 acres max. Nontreat Requirements 5,161.86 s.f.max. 1,58 acres max. Designed By: 5,161.86 s.f.max. 1,168 acres max. Designed By: 5,161.86 s.f.max. 1,169 acres max. Designed By: 5,161.86 s.f.max. 1,169 acres max. Designed By: 5,161.86 s.f.max. 1,164 acres max. Designed By: 5,161.86	Percentage of Lot Disturbed = 85.2% 14,660 /17,206 = 85.2%		
Output Output Other Consult Architect - Prudhomme Design and Interiors	performs on this property is 44.82%. ration of the entire property is 44.82%. ration of the entire property is 44.82%. ration of the entire property is 44.82%. ration of the lot is 2,760° opplains on or adjacent to this property. residential use is added with this property. residential use is added with this property. residential use is added with this project. all parking areas are required. Three total spaces provided. residence Project Proposed Impervious propos	New Impervious area - Existing Impervious to 285 - 2,360 = 2,925 s.f. = .067 acr	LC	ЪС.
Architect - Prudhomme Design and Interiors	Land Disturbance proposed Impervious allowed Inspervious proposed Inspecting Inspervious proposed Inspecting Insp	pervious area + Existing Impervious		iti eat,
Impervious to Remove OBS acres wner Other Consult treat, LLC Architect - Prudhomme Design and Interiors	Land Disturbance proposed Impervious Area = 47.2% Land Disturbance allowed Impervious Area = 47.2% Land Disturbance allowed Impervious proposed Impe	= 8,124 s.t = .1865		IVION
Impervious to Remove Gres 089 acres Owner Other Consult Montreat, LLC Architect - Prudhomme Design and Interiors	Land Disturbance allowed Impervious Area = 47.2% Land Disturbance allowed Impervious allowed Inscription Stiel Proposed Impervious allowed Impervious proposed Impervious allowed Impervious proposed Impervious prop	\sim	1]	war
Impervious to Remove Impervious to Remove Owner Other Consult vd Montreat, LLC Architect - Prudhomme Design and Interiors	Second St. of residential use is added with this property. earns on this property. I and Disturbance allowed Impervious allowed I 4,660 s.f. 5,161.86 s.f.max. I 5,161.86 s.f.max. 5,161.86 s.f.max. I 4,660 s.f. 5,161.86 s.f.max. I 14,660 s.f. Calculations I 14,660 s.f. Impervious allowed I 14,660 s.f. Impervious allowed I 14,660 s.f. Stet Plan		Γ	DO
1000 acres	Each Disturbance allowed 14,660 s.f. Impervious allowed 14,200 s.f. of residentali sproperty Montreat Requirements steres are required. Three total spaces provided. Sheet: Sheet: Project: Dowd Montreat, LLC			
Bit Mark Bit Mark Cres O Res Remove Remove Res Res Owner Other Consult Other Consult Dowd Montreat, LLC Architect - Prudhomme Design and Interiors	ration of the lot is 2,780' eams on this property. eams on this property. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. as are sequered. as areas max. bisturbance proposed Impervious allowed Impervious proposed Impervious proposed Creative bevelop ment Stite Plan			
Impervious to Remove Cres Owner Other Consult Dowd Montreat, LLC Architect - Prudhomme Design and Interiors	Odplains on or adjacent to this property. Calculations Calculations Calculations Calculations Calculations Calculations Calculations Calculations Montreat Requirements Montreat Requirements Ind Disturbance allowed Impervious proposed <	The highest elevation of the lot is 2,780'		LLC
Impervious to Remove Owner Owner Other Consult LLC Dowd Montreat, LLC	Land Disturbance allowed Impervious allowed = 6.882.48 s.f./ 14.660 s.f. Montreat Requirements Interview Background Stress max. Residence Project Proposed Impervious allowed 5.161.86 s.f max. 14.660 s.f. 8.124 s.f. 5.161.86 s.f max. Build Date: Determent 12.993 Revision Proposed Impervious proposed I	Thorp on an floodalaing on or adiagont to this proporty		eat,
Image: Second	Land Disturbance allowed Impervious allowed Impervious allowed Impervious allowed Impervious allowed Proposed 14,660 s.f. Proposed Impervious allowed Strett iv e Sheet: Proposed 14,660 s.f. 0,124 s.f. Sheet: Proposed Proposed 14,660 s.f. 0,124 s.f. Sheet: Proposed 10,124 s.f. 10,124 s.f. Sheet: Proposed 10,124 s.f. 10,124 s.f. Sheet: Proposed 10,124 s.f. 10,124 s.f. Sheet: Proposed	There are no floodplains on or adjacent to this property	-	ontre
Bit B	Land Disturbance allowed Infree total spaces provided. Hand Disturbance allowed Impervious allowed Infree total spaces provided. Hand Disturbance allowed Impervious Impervious allowed Impervious	There are no streams on this property.		IVIO
B05 acres acres ous to Remove Project: Owner Other Consult Montreat, LLC Architect - Prudhomme Design and Interiors	Calculations Calculations Calculations Calculations			owd
Bits	Calculations Montreat Requirements Issue bars 14,660 s.f. Essue bars State area Calculations Calculations Calculations Issue bars State area Calculations Cand Disturbance allowed Impervious allowed Impervious allowed Impervious proposed Impervious proposed Creative Stele bars Creative Creative Stele bars Stele bars Stele bars Creative Creative Stele bars Creative Stele bars Stele bars Stele bars Stele bars Stele bars St		F	D
B65 acres ous to Remove Output Project: Owner Other Consult Dowd Montreat, LLC Dowd Montreat, LLC Architect - Prudhomme Design and Interiors	al parking areas are required. al parking areas are required. al parking areas are required. and Disturbance allowed = 6,882.48 s.f. / .158 acres max. .158 acres max. S,161.86 s.f. max. 5,161.86 s.f. max. S,161.86 s.f. max. 8,124 s.f. Designed By: Creative B,124 s.f. DESIGNED BY: B Site Plan	Parking Calculations		
Bit State	al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. Three total spaces provided. al parking areas are required. bisturbance proposed Impervious allowed bisturbance proposed Designed By: Bistoriestore Steele parking community and resort design Bestoriestore Bistoriestore bistoriestore Bistoriestore bistoriestore Bistoriestore bistoriestore Bistoriestore bistoriestore Bistoriestore bistorie			
Bit State	Land Disturbance allowed Impervious allowed 5,161.86 s.f. max. Hesidence Project Proposed Impervious allowed 5,161.86 s.f. max. REVISION: Determer 11.2023 REVISION: REVISION: Determer 11.2023 REVISION: REVISION: Determer 11.2023 REVISION: REVISION: Determer 12.2023 REVISION: REVISION: REVISION: REVISION: REVISION REVISION: REVISION: REVISION REVISION: REVISION: REVISION REVISION: REVISION REVISION: REVISION REVISION: REVISION REVISION: REVISION REVISION: REVISI	p	et:	n
Importions for Remain Importions for Remain Importions for Remain Importions for Remain Import Res	Land Disturbance allowed Impervious allowed 1.58 acres max. 1.58 acres max. 1.58 acres max. 5,161.86 s.f.max. 1.60 s.f. 5,161.86 s.f.max. 8,124 s.f. Exement 11.202 Revision corres max. Designed By: 8,124 s.f. Creative By: Designed Data: B	Two additional parking areas are required. Three total spaces	Sheet	Site Plar
ast New (2,006 s.f.) + West New (1,814 s.f.) = 3,910 sf./.089 acres all Proposed Disturbed Area = 14,660 sf. / .337 acres all Proposed Disturbed Area = 14,660 sf. / .337 acres all New Impervious Area = 14,660 sf. / .337 acres b60 /17.206 = 85.2% all New Impervious Area = New Impervious area - Existing Impervious to Remove 5.285 - 2.360 = 2.925 s.f. = .067 acres all Project Impervious Area = Trans New Impervious to Remove 2.925 s.f. = .067 acres all Project Impervious Area = Trans New Impervious to Remove 2.925 s.f. = .067 acres all Project Impervious Area = Trans New Impervious to Remove 2.925 s.f. = .067 acres all Project Impervious Area = Trans New Impervious to Remove 2.925 s.f. = .067 acres all Project Impervious Area = 17% centage of Lot New Impervious Area = 47.2% are no floodplains on or adjacent to this property are are no streams on this property. Parking Calculations Approximately 1,200 s.f. of residential use is added with this project Dowd Montreat, LLC Dowd Montreat, LLC	Land Disturbance allowed impervious allowed 5,161.86 s.f. max. 14,60 s.f. 8,124 s.f. 5,161.86 s.f. max. S,161.86 s.f. max. 8,124 s.f. 8,124 s.f. 9,124			
ast New (2,096 s.f.) + Weest New (1,814 s.f.) = 3,910 s1/.1009 dores ail Proposed Disturbed Area = 14,660 sf. / .337 acres 1,750 (Existing) + 3,910 (new) = 14,660 5,266 - 1,200 (Existing) + 3,910 (new) = 14,660 5,266 - 2,360 = 2,925 s.f. = 0.67 acres 5,266 - 2,360 = 2,925 s.f. = 0.67 acres 2,925 s.f. + 5,199 s.f = 8,124 sf = .1866 acres centage of Lot New Impervious Area = 17% centage of Lot Total all Impervious Area = 17% centage of Lot Total all Impervious Area = 17% centage of Lot Total all Impervious Area = 17% centage of Lot Total all Impervious Area = 17% centage of Lot Total all Impervious Area = 47.2% Parkking Calculations Approximately 1,200 s.f. of residential use is added with this property wood Montreat, LLC Project: Dowd Montreat, LLC	Land Disturbance allowed Impervious allowed Impervious allowed Impervious allowed Impervious allowed Impervious allowed St. / 5,161.86 s.f max. 8,124 s.f. Berner 11,222 REVISIONE December 14,2023 - contants 24,224 s.f. Berner 14,2023 - contants 24,			
Sast New (2,096 s.f.) + Weest New (1,814 s.f.) = 3,910 srf / 069 acress sing Disturbed Area (to remain) = 10,750 s.f. / 247 acress al Proposed Disturbed Area = 14,660 sf. / .337 acress 750 (Existing) + 3,910 (new) = 14,660 repentage of Lot Disturbed = 85.2% 1 Rew Impervious Area = New Impervious area - Existing Impervious Remove 5,268 - 2,360 = 2,925 s.f. + 5,199 s.f. = .067 acres 2 al Project Impervious Area = Total New Impervious area - Existing Impervious to Remove 2,925 s.f. + 5,199 s.f. = 8,124 s.f = .1865 acres creantage of Lot Total all Impervious Area = 17% creantage of Lot Total all Impervious Area = 17% area no floodplains on or adjacent to this property are are no streams on this property. Parking Calculations Approximately 1,200 s.f. of residentali use is added with this project Two additional parking areas are required. Three total spaces provided.	Land Disturbance allowed Impervious allowed Impervious allowed Impervious allowed Impervious allowed Impervious allowed Impervious proposed Imperv			ort design
ast New (2,006 s.f.) + West New (1,814 s.f.) = 3,910 sf / .089 acress al Proposed Disturbed Area (to remain) = 10,750 s.f. / .247 acress al Proposed Disturbed Area (to remain) = 10,750 s.f. / .247 acress al New Impervious Area = 14,660 creantage of Lot Disturbed Area = 14,660 creantage of Lot Disturbed = 85.2% 1,560 /17.206 = 85.2% 2,925 s.f. = 0.67 acres 2,925 s.f. = 0.67 acres 2,925 s.f. = 5,199 s.f. = .1845 acres 2,925 s.f. = 0.67 acres 2,925 s.f. = 1,985 acres are no floodplains on or adjacent to this property statem 118 property are are no floodplains on or adjacent to this property are are no streams on this property. Dowd Montreat, LLC Two additional parking areas are required. Three total spaces provided. Site Plan Site Plan	Land Land Disturbance Montreat Requirements 14,660 s.f. .158 acres max. .158 acres max. 14,660 s.f. .5,161.86 s.f.max. 5,161.86 s.f.max. 8,124 s.f. .5,161.86 s.f.max. .5,161.86 s.f.max. 8,124 s.f. .5,2024 connects .6,2024 connects Revisions Designed By: .6,2024 connects Care and impervious .5,2024 connects .5,2024 connects Besigned By: .26,2024 connects .5,2024 connects Care at intervents .5,2024 connects .5,2024 connects Designed By: .26,2024 connects .5,2024 connects Care at intervents .5,2024 connects .5,2024 connects Designed By: .26,2024 connects .5,2024 connects Designed By: .5,2024 connects .5,2024 connects Care at intervents .5,2024 connects .5,2024 connects Designed By: .26,2024 connects .5,2024 connects Designed By: .5,2024 connects .5,2024 connects Designed By: .5,2024 connects .5,2024 connects Designed By: .5,2024 connects .5,2024 connects		-	M E n s and resor
aat New (2006 sf.) + West New (1,114 sf.) = 3,910 sf.) aar New (1,014 sf.) = 3,910 sf.) arcs voor statue aat New (2006 sf.) + West New (1,114 sf.) = 3,910 sf.) arcs voor statue arcs voor statue arcs voor statue aat New (1,006 sf.) + West New (1,114 sf.) = 3,910 sf.) arcs voor statue arcs voor statue arcs voor statue aat New Impervious Area = 14,660 sf. / 337 acres 5,265 - 2,300 sf. / 247 acres 5,265 - 2,300 sf. / 247 acres al New Impervious Area = 14,660 room (1,1206 sf.) + 14,660 room (1,1206 sf.) + 14,660 room (1,205 sf. + 5,199 sf. = .067 acres 5,265 - 2,300 sf. + 5,199 sf. = .067 acres 5,265 - 2,300 sf. + 5,199 sf. = .067 acres a average slope of Lot New Impervious Area = 17% creating impervious Area = 17% creating impervious Area = 17% creating impervious Area = 17% a average slope of the entire property is 44.82%. a highest elevation of the lot is 2,780° arcs creating impervious Area = 47.2% Owner Parking Calculations No streams on this property. Dowd Montreat, LLC Dowd Montreat, LLC Archee: Produce and Interest Stores store no stream of the ontire property. Dowd Montreat, LLC Dowd Montreat, LLC Store Plan store no stream of the ontire project: Dowd Montreat, LLC Store Plan Store Plan Store plan Store Plan	Land Disturbance allowed Impervious allowed 5,161.86 s.f max. 14,660 s.f. Proposed Impervious allowed 5,161.86 s.f max. 8,124 s.f. Becember 11, 2023 REVISIONS December 14, 2023 - comments 24,2024 - remove garge, mainter disturbance and impervious DESIGNED BY: DB DESIGNED BY: DB			lop i or ommunity
aat New (2,000 s.f.) + West New (1,614 s.f.) = 3,910 sif. / 089 acres air Proposed Disturbed Area = 14,660 sf. / .337 acres air Proposed Disturbed Area = 14,660 sf. / .337 acres air Proposed Disturbed Area = 14,660 sf. / .337 acres air New Impervious Area = S2% big to float Disturbed Area = 12,925 sf. = .067 acres ccontage of Lot Disturbed Neal = 17% contage of Lot New Impervious Area = 17% a average slope of the entire property is 44.82%. a highest elevation of the lot is 2,780' are no floodplains on or adjacent to this property. Parkting Calculations Approximately 1,200 s.f. of residentall use is added with this project Dowd Montreat, LLC p m e n t op m e n t op m e n t op m e n t ste Plan	Land Disturbance allowed Impervious allowed Impervious allowed 14,660 s.f. Residence Project Proposed Impervious allowed Itsue Datte: December 11,2023 Revision: December 14,2023 - comments Bisturbance and impervious Designed Itsue Datte: December 14,2023 - comments Bisturbance and impervious C r Designed DB Designed SB		-	vel lut nning com
ast New (2,000 s.f.) + West New (1,814 s.f.) = 3,910 sf./ 0.89 acres ast New (2,000 s.f.) + West New (1,814 s.f.) = 3,910 sf./ 0.89 acres all Proposed Disturbed Area = 10,750 sf./ 247 acres all New Impervious Area = New Impervious Area = 1,860 bit (1,206 sf.) + 3,910 (new) = 14,660 sf./ 337 acres 5,285 - 2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 1,060 /17,206 = 85.2% 2,025 sf. = 1,007 acres 5,285 - 2,380 = 2,380 = 2,325 sf. = 0,072 acres 2,025 sf. = 1,007 acres <	Image: Land Disturbance allowed Impervious allowed Impervious allowed 14,660 s.f. Residence Project Proposed Impervious allowed 18,124 s.f. Status Status 14,660 s.f. December 11, 2023 December 12, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 12,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 13,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 14,050 s.f. December 14, 2023 - comments December 14, 2023 - comments 15,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 15,125 s.f. December 14, 2023 - comments December 14, 2023 - comments 15,124 s.f. December 14, 2023 - comments December 14, 2023 - comments 15,125 s.f. Status 14, 2023 - comments Dec		-	Dev Sol and plann
ast New (2,006 s.f.) + West Insuring varies are specified Disturbed Area (to remain) = 10,750 s.f. / 247 acres all Proposed Disturbed Area = 14,660 sf. / 337 acres (roomatage of Lot Disturbed Area = 14,660 sf. / 337 acres all New Impervious Area = New Impervious Area = 1,860 sf. / 337 acres 5,285 - 2,360 = 2,325 sf. = 2,067 acres 5,285 - 2,360 = 2,325 sf. = 0.07 acres 10,750 (E.Visiting) + 3,910 (new) = 14,660 sf. / 337 acres 5,285 - 2,360 = 2,325 sf. = 0.07 acres 5,285 - 2,360 = 2,325 sf. = 0.07 acres 10,750 (E.Visiting) + 3,910 (new) = 14,660 screes 10,750 (E.Visiting) + 3,910 (new) = 14,660 screes 11,285 sf. = 1,067 acres 12,325 sf. = 1,067 acres 12,325 sf. = 1,067 acres 14,100 sf. (roomata was more scaling impervious to Remain 12,325 sf. = 1,067 acres 14,100 sf. (roomata was more acres are required. 17,200 sf. (roomata was more acres was more scaling impervious to Remain 17,200 sf. (roomata was more acres are no floodiplains on or adjacent to this property. 17,100 sf. (roemata was more acres are required. Three total spaces provided. 17,100 sf. (roomata was more scale required. Three total spaces provided. 17,100 sf. (roomata was more scale required. Three total spaces provided. 17,100 sf. (roomata was more scale required. Three total space sc	Land Disturbance proposed Impervious allowed Impervious allowed 14,660 s.f. Residence Project Proposed Impervious allowed May 12 s.f. May 12 s.f. 5,161.86 s.f.max. 8,124 s.f. Sturbance proposed Impervious allowed Issue Date: December 11, 2023 Residence BY: Designed BY: DB DESIGNED		_	ure lan
ait New (2,006 st,) + West Nuev (1,1514 st,); Nov actives 3,210 st, / 200 acces ail Proposed Disturbed Area = 14,660 st, / 237 acres 3,210 (new) = 14,660 al New Impervious Area = 14,660 st, / 237 acres 5,285 · 2,360 = 2,925 st, = 0,67 acres al New Impervious Area = 14,660 5,295 · 2,360 = 2,925 st, = 0,67 acres 2,925 st, + 5,199 st, = 5,199 st, = 5,199 st, = 5,199 st, = 1,265 acres 5,285 · 2,360 = 2,925 st, = 0,67 acres are are no floodplains on or adjacent to the untervious Area = 17% 5,295 st, = 0,67 acres Parking Calculations Approximately 1,200 st, of residential use is added with this property. 5,195 st, = 1,1965 acres Parking Calculations area are no floodplains on or adjacent to this property. Owner Other Consult Approximately 1,200 st, of residential use is added with this project. Owner Owner Other Consult Devide By: Stre Plan Stre Plan Stre Plan Stre Plan Stre Plan	Land Disturbance proposed Impervious allowed Impervious allowed 14,660 s.f. Residence Project Proposed Impervious allowed 18,124 s.f. Impervious proposed Impervious proposed 18,124 s.f. Desember 14,2023 - comments DESIGNED BY: DB		Ι	
Designed By: Sheet: Project: Owner Other Consult Designed By: Sheet: Project: Dowd Montreat, LLC Owner Other Consult Steppen to be solutioned by: Sheet: Sheet: Project: Dowd Montreat, LLC Dowd Montreat, LLC	Image: Second and Disturbance allowed Impervious allowed Impervious allowed 14,660 s.f. Residence Project Proposed S,161.86 s.f max. 14,660 s.f. S,161.86 s.f max. S,161.86 s.f max. 8,124 s.f. Impervious proposed Impervious proposed Impervious proposed Impervious proposed S,161.86 s.f max. ISSUE DATE Desember 14,2023 - comments Carenter 14,2023 - comments REVISIONS Dessigned BY: DB DESIGNED BY: DB SB	Montroot Door improporto		
art New (2.006 st) + West New (1.814 st) = 3.910 st / .009 acres sting Disturbed Area (to remain) = 10,750 st / .247 acres 1,750 (Existing) + 3.910 (new) = 10,750 st / .247 acres 1,750 (Existing) + 3.910 (new) = 10,750 st / .247 acres al New Impervious Area = 14,660 st / .337 acres 1,750 (Existing) + 3.910 (new) = 10,750 st / .247 acres 2,925 st / .266 / .256 - 2.360 = 2.92% 2,925 st / .5,199 st = 1,1860 acres 2,925 st / .5,199 st = 8,124 st = .067 acres 2,925 st / .5,199 st = 8,124 st = .067 acres 2,925 st / .5,199 st = 8,124 st = .067 acres a verage slope of the entire property is 44.82%: a highest elevation of the lot is 2.780' are no no additional parking areas are required. Three total spaces provided. Designed By: Sheet: Project: Dowd Montreat, LLC Sheet: Project: Dowd Montreat, LLC	14,660 s.f. Residence Project None allowed Impervious allowed 14,660 s.f. Impervious Project S,161.86 s.f max. S,161.86 s.f max. 8,124 s.f. Impervious proposed Impervious proposed S,161.86 s.f max. S,161.86 s.f max. 8,124 s.f. Dessigned Arr Dessigned BY:	Montreat Requirements		-
match ever (2.006 sf.) + West I.Nev (1.814 sf.) = 0.910 sf./.009 acres sting Disturbed Area (to remain) = 10,750 sf./.247 acres all Proposed Disturbed Area = 14,660 all New Impervious Area = 14,660 1 New Impervious Area = 14,660 2,925 sf. + 5,199 sf = 8,22% 1,800 uf1/2:06 = 68.2% 1 New Impervious Area = 14,660 2,925 sf. + 5,199 sf = 8,124 sf = ,1067 acres 2,925 sf. + 5,199 sf = 8,124 sf = ,1067 acres 2,925 sf. + 5,199 sf = 8,124 sf = ,1666 acres 2,925 sf. + 5,199 sf = 8,124 sf = ,1666 acres Parking Calculations Approximately 1,200 sf. of residental use is added with this property are are no floodplains on or adjacent to this property area required. Three total spaces provided. Performed By: Creative notional parking areas are required. Three total spaces provided. Develop m ent Site Plan Site Plan	14,660 s.f. Impervious allowed Impervious allowed 14,660 s.f. Impervious proposed Impervious allowed 15,161.86 s.f. S.f. S.f. 15,161.86 s.f. Impervious allowed S.f. 15,161.86 s.f. S.f.			
Basthew (2,006 s.f.) + West New (1,314 s.f.) = 3910 sf. / 247 acress ail Proposed Disturbed Area (to remain) = 10,750 s.f. / 247 acress ail New Impervious Area = New Impervious Area = 14,660 a New Impervious Area = New Impervious Area = 14,660 sf. / 337 acress ail New Impervious Area = New Impervious Area = 14,660 sf. / 337 acress a New Impervious Area = New Impervious Area = 14,660 sf. / 337 acress a New Impervious Area = New Impervious Area = 14,660 sf. / 337 acress a New Impervious Area = New Impervious Area = 14,660 sf. / 337 acress a Project Impervious Area = New Impervious Area = 14,660 sf. / 337 acress a proproximately 1,200 s.f. of 198 sf. = 8,124 sf. = .067 acress a are no floodplains on or adjacent to this property are are no floodplains on or adjacent to this property a provided Montreat Requirements	Land Disturbance proposed Impervious proposed 5,161.86 5,161.86 5,161.86 14,660 s.f. Impervious proposed Impervious proposed 5,161.86 5,161.86 ISSUE DATE : December 11, 2023 28-2024 - remove garage, minure disturbance and impervious ISSUE DATE : December 14, 2023 - come disturbance and impervious DESIGNED BY: DB	Impensione allow		
are treew Useductive Use	Land Disturbance proposed Impervious proposed .158 acres max. 14,660 s.f. .158 acres max. .5,161.86 s.f. 8,124 s.f. Impervious proposed Impervious proposed ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 DESIGNED BY: DB	Land Disturbance allowed Impervious allow	- comm	
articlew (2,006 st) / West (we - 5/10 st), use dates ail Proposed Disturbed Area (to remain) = 10,750 st) / 247 acress ail Proposed Disturbed Area = 14,660 sf / 337 acress resultage of Lot Disturbed Area = 14,660 sf / 337 acress ail New Impervious Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot Disturbed Area = 14,660 sf / 337 acress centage of Lot New Impervious Area = 17,0% as average slope of the entire property is 44,82%. a propositinately 1,200 sf. of residental luse is added with this property rea are no streams on this property. Montreat Requirements Montreat Requirements Montreat Requirements Dived Montreat, LLC Dived Montreat, LLC Site Plan Site Plan Site Plan	Image: Land Disturbance proposed Residence Project Proposed 14,660 s.f. Impervious proposed 8,124 s.f. Impervious proposed ISSUE DATE : December 14 REVISIONS: December 14 DESIGNED BY: DB	= 6,882.48 s.f. / 5,161.86 s.f	, 2023 - 0	
Bost, 1 + West, Kover under a Syno, K. 1, 200 and response of the commany = 10, 500 st. 7, 200 and 200 and 200 st. 7, 200 s	Land Disturbance Project Proposed 14,660 s.f. Impervious proposed 8,124 s.f. Impervious proposed ISSUE DATE : Deservice REVISIONS: Designed Besigned	.158 acres max.	ber 14,	nce and in B B
abs.r.f. / West Number - Sort of s.r. / Loop acress abs.r.f. / West Number - Sort of s.r. / Loop acress abs.r.f. / West Number - Sort of s.r. / Loop acress b) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 (new) = 14.660 st. / . 337 acres c) + 3.910 st. + . 190 st. = . 190	Land Disturbance proposed Impervious proposed 14,660 s.f. 8,124 s.f. 8,124 s.f. 8,124 s.f. ISSUE DATE : REVISIONS: DESIGNED BY: DESIGNED BY:		Decemb	disturbanc DB SB
Big st. 1 - West Liver St. 1 - S	Land Disturbance proposedImpervious proposed14,660 s.f.8,124 s.f.ISSUE DATREVISIONEDDESIGNED		5: I	d BY:
Big st. J. Hower How (1, 1844, st. J. 3970, st. J. 2009, access of Area (to remain) = 10, 750, st. J. 2370, access (100, burbed Area = 14,660, st. J. 337, access (100, burbed Area = 14,660, st. J. 337, access (100, burbed Area = 14,660, st. J. 337, access (100, burbed Area = 14,660, st. J. 337, access (100, burbed Area = 16, 2%, st. J. 360, st. J. 360, st. J. 37, access (100, burbed Area = 16, 2%, st. J. 360, st. J. 37, access (100, burbed Area = 17%, st. J. 200, st. st. St. J. 100, st. access (110, burbed Area = 17%, st. J. 200, st. st. St. J. 100, st. of residential impervious Area = 17%, st. J. 200, st. of residential use is added with this property. Calculations Calculations Calculations Calculations Calculations Calculations Other Consult Area = 47.2%, st. J. 380, access are required. Three total spaces provided areas are required. Three total spaces areas are space areas are required. Three total spaces areas are space areas are	14,660 s.f. 8,124 s.f. ISSU REV	Impervious propose		
Disturbed Area = 14,660 10,750 sf./ : 247 acres Disturbed Area = 14,660 10,750 sf./ : 247 acres Disturbed Area = 14,660 10,750 sf./ : 247 acres Disturbed Freq = Toul New Impervious Area = 14,660 12,267 scres 2,925 sf. + 5,199 sf. = 8,124 sf = .1865 acres 5,266 - 2,360 = 2,925 sf. = .067 acres 2,925 sf. + 5,199 sf. = 8,124 sf = .1865 acres 10,127 scres 2,925 sf. + 5,199 sf. = 8,124 sf = .1865 acres 10,127 scres 2,925 sf. + 5,199 sf. = 8,124 sf = .1865 acres 10,127 scres Disturbed Area = 172% 10,127 scres Area = 172% 11,247 acres Area = 172% 10,128 scres Area = 172% 10,128 scres Area = 172% 11,128 scres Area = 172% 11,128 scres Area = 172% 11,265 acres Area = 11,128 11,278 scres Area = 11,128 11,285 acres Area = 11,128 11,285 acres Area = 11,128 11,285 acres Area = 11,128				
8, 124 s. f. Solutions Solutions <td>14,660 s.f.</td> <td>8,124 s.f.</td> <td>čt</td> <td>nber:</td>	14,660 s.f.	8,124 s.f.	čt	nber:
Bis St. 1 - Vises I (vol (rest 5.1 / 2.47) a cress Bis St. 1 - Vises I (vol (rest) = 14,660 Disturbed Area = 14,660 sf. / .337 acress Bis St. 1 - 2.47 acress St. 4.5 (1 acress acres to the main St. 4.5 (2 acress acres to the		8,124 s.f. 14,660 s.f.	roject Nun SHE]	and the second s



TREES TO REMAIN NOT IN LIMITS OF DISTURBAN 1. ALL TREES, UNDERSTORY AND OTHER VEGETATION TO REMAIN SHILL NOT ELEARING AND CLEARING AND CONSTRUCTION PROCESS. 2. THE CONTRACTOR SHALL NOT PARK VEHICLES, STORE MATERIALS WITHIN BARRIERS PROTECTING AND VEGETATION TO REMAIN. 3. THE CONTRACTOR SHALL NOT CAUSE OR ALLOW THE CLEANING PAINTS, SOLVENTS, ASPHALT, CONCRETE, OR ANY MATERIAL THAT C OF PROTECTED VEGETATION. 4. NO ATTACHMENT OF WIRES (EXCLUSIVE OF PROTECTIVE GUIDE	SITE AREA DESCRIPTION STABILIZATI PERIMETER DIKES, SWALES, DITCHES AND SLOPES TABILIZATI HIGH QUALITY WATER ZONES TABILIZATI SLOPES STEEPER THAN 3:1 T SLOPES STEEPER THAN 3:1 T SLOPES STEEPER THAN 3:1 T SLOPES STEEPER THAN 4:1 T SLOPES FLATTER THAN 4:1 T STABILIZA TION = pavement, disturbed areas	GROUND AGRICUL TURAL LIMESTONE (USE THE LOWER RATE LS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER. I./ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER CH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK SET NEARLY STRAIGHT CAN BE USED AS A MULCH OL. DLESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND ING TO THE SOIL TESTS OR TOP DRESS WITH 500 LB./ACRE LIZER. MOW AS NEEDED TO A 6" MINIMUM HEIGHT. RESEED, MULCH DAMAGED AREAS IMMEDIATELY.	POSS POSS EB. 15 EPT. 1 -	RCUT AND BACK FILLED WITH COMPACTED ST WIN ARE APPROXIMATE FINISH ELEVATIONS WE TOPSOIL AS NECESSARY (MINIMUM OF 4") IN DRIVEWAY AREA AS SOON AS POSSIBLE AN ONDUCT ALL WORK IN ACCORDANCE WITH THE EE PLANS ASURES SHOWN AND STATED ON THIS PLAN AF ASURES SHOWN AND STATED ON THIS PLAN AF	GENERAL PLAN NOT SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BY CAL SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A REVIEW SHOULD ANY WILL CONFORM TO ALL CODES AND STANDARDS. WILL CONFORM TO ALL CODES AND STANDARDS. SPONSIBLE FOR ALL FIELD LAYOUT OF PROPOSED IMPROVEMENTS. ADHERE TO THE WEIGHT LIMITS PRESCRIBED ON COUNTY AND STATE M THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO OPERTY. THE CONTRACTOR IS RESPONSIBLE FOR ANY SILT, DIRT, OR MUD, OF OPERTY. THE CONTRACTOR IS RESPONSIBLE TO REMOVE AND FIFE IT CLUDING RIGHT-OF-WAY AREA AND ROADWAYS. SIN AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE COMPACTED TO ASTM D-698 (STD. PROCTOR). ES AND SLOPES AS SHOWN ARE APPROXIMATE. ADJUST DRIVEWAY LOCA CTION TESTS SHALL BE MEAD RECOMPLISHED IN THE FIELD TO TEST ALL ARE
GE HALL BE FLAGGED BY THE OWNER/SURVEYOR AND PROTECTED FROM OR TRENCH WITHIN THE DRIPLINE OF TREES TO REMAIN, OR OF EQUIPMENT, STORAGE OR DISPOSAL OF MATERIALS SUCH AS AN DAMAGE THE HEALTH OF VEGETATION WITHIN THE DRIPLINE WIRES) SIGNS, OR PERMITS SHALL BE FASTENED TO PROTECTED	TABILIZATION TIME FRAMETON TIME FRAMESTABILIZATION TIME FRAME EXCEPTIONSTDAYSNONETDAYSNONETDAYSNE SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED14 DAYSTDAYS FOR SLOPES OREATER THAN 50 FEET IN LENGTH HOWE (EXCEPT FOR PERMITERS AND HOWE OVER all dirt andbuildings, mulch, or wheat straw and d rip rap to cover all dirt and	INSTALLED ACCORDING TO PLAN. IF NO SOIL TEST IS TAKEN, FERTILIZE AND LIME ACCORDING TO SEEDING SCHEDULE IF SOIL TEST IS TAKEN PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION. 5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, USDA, & U.S. SCS.	 ADDITIONAL SEEDING NOTES: 1. GRADING CONTRACTOR IS RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS OF THE PROJECT. 2. LOOSEN COMPACTED SUBGRADE AND UNCHANGED SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER AND LEGALLYBURN THEM. RAKE OR OTHERWISE LIGHTLY SCARIFY SOIL SURFACE TO ENSURE SEED-TO-SOIL CONTACT. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH A VAILABLE TOPSOIL 3" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP. SURFACE FOR FINAL SEEDBED PREPARATION, AT FINISH GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM. 3. APPLY SEED BY HYDRO-SEEDING WERE POSSIBLE. ALLOW SEED APPLICATION TO DRY PRIOR TO MULCH APPLICATION TO PREVENT RUN-OFF. 4. SURFACE WATER CONTROL MEASURES TO BE 	DT ROLLER. ALL SOFT SPOTS SHALL BE STABILIZED BY FURTHER ATERIAL. RACTOR SHALL DEDUCT THE APPROPRIATE AMOUNT FOR THE JATE SUBGRADE FOR ROADWAYS. QUIRED TO CONTROL MUD. EMEINTS OF THE OCCUPATIONAL SAFETY AND HEALTH EMEINTS OF THE OCCUPATION. INTED THROUGH COMPLETION. EFORE FINAL APPROVAL.	ALLING NORTH CAROLINA 811 AT 1-800-632-4949 THREE (3) DAYS PRIOR NY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE VY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE NO GRADING ROADWAY ELEVATIONS PRIOR TO COMMENCEMENT OF OF ANY OLITIES FOR HAULING EQUIPMENT AND/OR MATERIALS TO O THE STREETS OR UTILITIES DUE TO NON-COMPLIANCE OF WEIGHT OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THIS SITE AND AND ITEMS MENTIONED THAT ARE DEPOSITED ONTO PRIVATE OR COUNTY TO 98% MAXIMUM DENSITY AT +/-3% OF OPTIMUM MOISTURE CONTENT ATION AND ELEVATIONS AS REQUIRED TO FIELD CONDITIONS. PROOF DECONNECTION TO COMMERC. INITIAL COMPACTION TESTS WILL BE
ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 - comments December 14, 2023 - comments 2-8-2024 - remove garage, minimize disturbance and impervious DESIGNED BY: DB DRAWN BY: SB APPROVED BY: DSB			Project: Dowd Montreat, LLC Town of Montreat, Buncombe County, NC	Owner Dowd Montreat, LLC PIN: 0710-96-5982-00000	Other Consultants: Architect - Prudhomme Design and Interiors Surveyor - High Country Surveying

ALL CLEARING AND GRUBBING WITHIN AREAS OF VEGETATION TO REMAIN SHALL BE DONE WITH HAND TOOLS ONLY AND UNDER THE RECTION OF THE OWNER.

SHEET NUMBER :

Ľ

5. AN ORANGE HIGH VISIBILITY CONSTRUCTION FENCE OR TEMPORARY SILT BARRIER FENCE SHALL BE INSTALLED AROUND ALL TREES WITHIN 10' OF THE CONSTRUCTION OR AS DIRECTED BY THE OWNER. THE BARRIERS SHALL REMAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.



TOWN OF MONTREAT

P. O. Box 423, Montreat, NC 28757 Tel: (828) 669-8002 | Fax: (828) 669-3810 www.townofmontreat.org

Staff Report VA-2023-03

Variance Request (VA-2023-03) – A Variance request submitted by John Hennis (on behalf of the Property Owners, Dowd Montreat LLC) to Chapter K Article IV Section II(4)(a) of the Montreat General Ordinance to increase the Approved Graded Area from 40% to 85.2% and to Chapter K Article IV Section II(4)(j) of the Montreat General Ordinance to increase the approved development intensity ratio from 0.30 to 0.472 on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat.

Created by:

Kayla DiCristina, AICP Zoning Administrator Town of Montreat

Created for:

Montreat Board of Adjustment February 22, 2024

Table of Contents

STAFF REPORT	3
Application Summary	3
Property Summary	3
Public Notice	4
Staff Findings	5
Revised Site Plan	5
Post-Construction Stormwater Measures	5
Hillside Development Ordinance	5
Template Variance Decision Language	7

Table of Figures

Figure 1: Subject Property Aerial	4
Figure 2: 250 feet Public Notice for Variance Request	4

STAFF REPORT

See **<u>STAFF FINDINGS</u>** (i.e. Kayla DiCristina, AICP, Montreat Zoning Administrator) in addition to applicant-provided materials. **<u>STAFF FINDINGS</u>** contain references to the Montreat Zoning Ordinance (MZO) and Montreat General Ordinance (MGO) where noted. Only those findings relevant to the variance requested are included in this staff report.

Application Summary

The following report summarizes the Zoning Administrator's review of an application for a Variance submitted by John Hennis (on behalf of the Property Owners, Dowd Montreat LLC) to Chapter K Article IV Section II(4)(a) of the Montreat General Ordinance to increase the Approved Graded Area from 40% to 85.2% and to Chapter K Article IV Section II(4)(j) of the MGO to increase the approved development intensity ratio from 0.30 to 0.472 on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and described as PIN# 071096598200000 within the Town of Montreat.

This application was first heard at the January 25, 2024, Board of Adjustment meeting. The Board of Adjustment continued the hearing to the February 22, 2024, meeting to allow the applicant to revise their site plan showing the removal of the proposed detached garage, recalculation of the proposed approved graded area and impervious surface figures, and additional stormwater management measures on the western side of the Subject Property. The Applicant submitted the revised plans on February 8, 2024.

Property Summary

Parcel Identifier Number (PIN): 071096598200000

Address: 325 North Carolina Terrace, Montreat, NC 28757

Owner: Dowd Montreat LLC 1905 Fendall Ave, Charlottesville, VA, 22903

Applicant: John Hennis (on behalf of the Property Owners, Dowd Montreat LLC)

Zoning: R-2

Current Land Use: Single-family dwellings

Acres: 0.395 acres



Figure 1: Subject Property Aerial

Public Notice

Staff mailed notice to properties within 250 feet of the Subject Property on January 11, 2024 (see Variance Request). Staff posted the Subject Property on January 11, 2024. The BOA Hearing was scheduled for January 25, 2024. The hearing continuance was announced during the Board of Adjustment's January 25, 2024, meeting stating the time, location, and purpose of the hearing. However, staff mailed notice to properties within 250 feet of the Subject Property on February 8, 2024 (see Variance Request) and posted the Subject Property on February 8, 2024, for the continued BOA Hearing scheduled for February 22, 2024.



Figure 2: 250 feet Public Notice for Variance Request

Staff Findings

Revised Site Plan

The Applicant's revised site plan was submitted to the Zoning Administrator on February 8, 2024. The site plan shows...

- 1. The removal of the detached garage.
- 2. The reconfiguration of the parking area to allow three parking spaces with space to turn around.
- 3. The addition of new drains in the driveway and parking area. New 12" pipes direct stormwater to the existing 7-foot storage tank and an additional 7-foot storage tank in the parking area.
- 4. The redirection of stormwater on the western side of the proposed addition to a rain barrel with a 12" pipe leading water eastward to the main swale and detention basin.

Post-Construction Stormwater Measures

The Applicant's new site plan proposes to manage the stormwater on the Subject Property using a series of stormwater conveyance measures leading water from the new driveway to two seven-foot storage tanks that drain into a river rock-lined swale and a 120-square-foot detention basin with a six-foot stone weir. Rain barrels and downspouts are proposed on each side of the new addition directing stormwater toward the main swale and detention basin.

For purposes of this Variance application, the Applicant's proposed stormwater management system sufficiently details how post-development stormwater run-off will be controlled and managed. Prior to permit issuance, the Applicant will be required to obtain a Stormwater Control Permit and comply with the Town of Montreat's General Ordinance (MGO) Chapter K Article III.

Hillside Development Ordinance

The Subject Property has a slope of 44.8% per the Buncombe County Steep Slope Calculator (Exhibit A). Therefore, it is subject to the MGO Chapter K Article IV. The Subject Property is considered a Non-Conforming Improved Lot. A Non-Conforming Improved Lot is defined as any improved lot in existence prior to adoption of the Hillside Development Ordinance (adopted 6/11/2009) that, whether by aggregate graded area and/or existing impervious area, exceeds the permitted limits established in the Hillside Development Ordinance.

The Applicant's new site plan shows the following as part of the overall development plan.

GRADED AREAS

- Retain 10,750 square feet of graded area, which includes the two single-family dwellings on the south side of the Subject Property. 2,800 square feet of this existing grading area is within the boundaries of the new construction.
- Add 3,910 square feet of graded area in the form of a driveway, parking area, and addition on the north side of the Subject Property. This figure does not include the existing 2,800 square feet of existing grading area within the boundaries of the new construction.

IMPERVIOUS AREA

- Retain 5,199 square feet of the existing impervious surface, which includes the two single-family dwellings on the south side of the Subject Property.
- Remove 2,360 square feet of the existing impervious surface, which includes the single-family dwelling on the north side of the Subject Property.
- Add 5,285 square feet of new impervious surface in the form of a driveway and parking area on the north side of the Subject Property.

In sum, the Applicant is permitted to have a graded area of 40%, currently has a graded area of 62%, and requested a Variance to permit a graded area of 85.2% to construct the proposed driveway, parking area, and addition. Additionally, the Applicant is permitted to have a development intensity ratio of 0.30, currently has a development intensity ratio of 0.44, and requested a Variance to permit a development intensity ratio of 0.472 to permit the proposed driveway, parking area, and addition. At the time of permitting, the Applicant would be required to demonstrate conformance to all applicable standards in the Hillside Development Ordinance.

The Applicant's new site plan shows...

- 1. The removal of the detached garage.
- 2. The reconfiguration of the parking area to allow three parking spaces with space to turn around.
- 3. The addition of two new drains in the driveway and parking area with 12" pipes directing stormwater to the existing 7-foot storage tank. The Applicant also proposes an additional 7-foot storage tank in the parking area to capture stormwater.
- 4. The redirection of stormwater on the western side of the proposed addition to a rain barrel with a 12" pipe leading water eastward to the main swale and detention basin.
- 5. Compared to the site plan submitted for the January 25, 2024, meeting, a decrease in the requested graded area from 89.3% to 85.2% and a decrease in the requested development intensity ratio from 0.49 to 0.472.

Template Variance Decision Language

The Board is welcome to use the language below to issue a decision on the Variance Request. Prior to making the approval motion, the Board must state the specific findings that lead to the approval of each finding of fact as required by Section 310.42 of the MZO.

Findings of Fact:

- 1. The Board finds that unnecessary hardship would result from the strict application of the Ordinance because...
- 2. The Board finds that the hardship results from conditions that are peculiar to the property because...
- 3. The Board finds that hardship did not result from actions taken by the applicant or the property owner because...
- 4. The Board finds that the variance is consistent with the spirit, purpose, and intent of the ordinance ...
- 5. The Board finds that the variance requested is the minimum variance that will make possible the requested use of the land because...
- 6. The Board finds that the variance is not a request to permit a use of land that is not permitted in the applicable Zoning District as the variance request is for...

Motion for Decision: "I move that the Board [*approve/approve with conditions/deny*] the Variance Request VA-2023-03 to Chapter K Section II(4)(a) of the Montreat General Ordinance to increase the Approved Graded Area from 40% to 85.2% and to Chapter K Section II(4)(j) of the Montreat General Ordinance to increase the approved development intensity ratio from 0.30 to 0.472 on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat [*List any conditions of approval in the motion, if applicable*]



SPECIAL USE PERMIT APPLICATION

Town of Montreat Planning and Zoning 1210 Montreat Road, Black Mountain, NC 28711 | (828) 669-8002 REQUIRED FEE: \$300.00 (CASH OR CHECK)

APPLICANT INFORMATION

APPLICANT NAME: John B. Hennis	TELEPHONE: 54	40-319-0500)
MAILING ADDRESS: 1905 Fendall Ave		STATE: VA	
_{EMAIL:} johnbhennis@gmail.com			
PROPERTY INFORMATION			
PLEASE NOTE: A RECORDED SURVEY MAP, DEED, OR OFFER TO PURCHASE MAY BE REQ	UIRED AT THE ZONING	ADMINISTRATOR'S DI	SCRETION.
ADDRESS: 325 North Carolina Terrace	_ CITY: Montreat	STATE: NC	_{ZIP:} 28757
PIN# :0710-96-5982 TOTAL ACREAGE:0.	395 FLO		es 🔽 NO
ZONING: R-2 OTHER: OVI			
PROPERTY OWNER: Dowd Montreat LLC	TELEPHONE:	540-319-05	500
MAILING ADDRESS: 1905 Fendall Ave Charlottesville	e VA 22903		J.
PROPOSED LAND USE			
TYPE OF LAND USE: 🖌 Residential 📃 Non-Residential	Other		
DESCRIPTION OF PROPOSED DEVELOPMENT: Request is for	or a Special	Use Permit	to allow

a 1010 SF detached garage (Accessory Building) with a final height taller than ten

feet to be placed in the front yard of a single-family dwelling unit.

FINDINGS OF FACT

THE TOWN OF MONTREAT'S BOARD OF ADJUSTMENT WILL RENDER A DECISION ON THIS APPLICATION AT A PUBLIC HEARING. IN APPROVING THE REQUEST, THE BOARD OF ADJUSTMENT WILL EXAMINE THE APPLICATION AND MUST FIND THAT THE FOLLOWING SIX ELEMENTS ARE SATISFIED IN THE PROPOSAL:

MZO 310.621 The use will not be detrimental to or endanger the public health, safety or general welfare if located where proposed and developed according to the plan as submitted and approved.

MZO 310.622 The use meets or will meet all the required and applicable development standards and conditions of the Town of Montreat of the zoning district in which the subject property is located (including without limitation all development standards, conditions, and requirements related to utilities, parking, access, and stormwater drainage).

MZO 310.623 The use will not substantially diminish and impair the value of any property any portion of which is located within two hundred fifty feet (250') of the boundary of the subject property.

MZO 310.624 The location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located and will not be injurious to the use and enjoyment of other property, for the purposes already permitted, within the area in which it is located.

<u>MZO 310.625</u> The location and character of the use, if developed according to the plan as submitted and approved, will be in general conformity with the adopted policies and plans, including the comprehensive plan of the Town of Montreat.

<u>MZO 310.626</u> Adequate measures have been taken or will be taken to provide ingress and egress so designed as to minimize congestion in the public streets.

ATTACHMENTS

THIS APPLICATION MUST BE ACCOMPANIED BY THE FOLLOWING ATTACHMENTS:

- 1. A response to the six findings listed above and found in the Montreat Zoning Ordinance Sections 310.621 through 310.626.
- 2. A to scale site plan showing the existing property conditions, the proposed locations, dimensions, and setbacks of any structure to be built or modified, existing and proposed impervious areas, proposed areas of disturbance, and parking areas.

SIGNATURES AND ACKNOWLEDGEMENT

John B. Hennis

hereby certify that all of the information set forth above is true and accurate to the best of my knowledge.

Signature of Applicant

John B. Hennis (Owners Representative)

Printed Name of Applicant

OFFICE USE ONLY			
Complete Incom	plete		
Zoning Administrator Signature		Date	
Printed Name of Zoning Administrator			
Fee:	Paid: Yes No	Payment Method:	

Scheduled Board of Adjustment Meeting Date:_

<u>Town Of Montreat – Special Use Permit Application for 325 North Carolina</u> <u>Terrace:</u>

December 13, 2023

Applicant: John B. Hennis, Owner's Representative for Dowd Montreat LLC

Findings of Fact:

310.621 The Use will not be detrimental to or endanger the public health, safety or general welfare if located where proposed and developed according to the plan as submitted and approved.

(A) This proposed project will not be detrimental to or endanger the public health, safety or general welfare when completed. As evident from the preliminary drawings submitted, the design team has developed a plan that includes utilizing the existing entrance off West Virginia Terrace. Additionally, we are maintaining a similar site footprint by replacing an existing structure with a garage, minimizing the impact on the surrounding area.

310.622 The Use meets or will meet all the required and applicable development standards and conditions of the Town of Montreat (including without limitation all development standards, conditions, and requirements related to utilities, parking, access, and stormwater drainage).

(B) The proposed project will meet all required and applicable development standards and conditions of the Town of Montreat. The proposed design for the project has addressed all requirements related to utilities, parking, access and stormwater retention. Provisions have been made to address parking requirements and a storm water management on the property. See addendum A for additional information. 310.623 The Use will not substantially diminish and impair the value of any property any portion of which is located within two hundred fifty feet (250') of the boundary of the subject property.

(C) This project will not substantially diminish or impair the value of any property any portion of which is located within 250'. The development of the hillside adjacent to West Virginia Terrace and construction of the garage with upgraded exterior façade features of the principal building including premium siding, trim and metal roof in low LRV finishes that will prevent the diminishment or impairment of value of surrounding properties.

310.624 The location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located and will not be injurious to the use and enjoyment of other property, for the purposes already permitted, within the area in which it is located.

(D) When completed this project will be in harmony with the area and will not be injurious to other property owners. By maintaining a similar site footprint by replacing an unused aging structure with a modern garage the design team has created a plan that echoes the surrounding area with minimal impact on adjacent property owners.

310.625 That the location and character of the Use, if developed according to the plan as submitted and approved, will be in general conformity with the adopted policies and plans, including the Comprehensive Plan of the Town of Montreat.

(E) As submitted, the project will be in general conformity with the adopted policies and plans, including the Comprehensive Plan of the Town of Montreat. The design of this project incorporated many characteristics including exterior finishes such as premium exterior siding, trim and metal roof that exist on adjoining properties and throughout the Town.

310.626 That adequate measures have been taken or will be taken to provide ingress and egress so designed as to minimize congestion in the public streets.

(F) The design of this project and specifically the new driveway have been designed to minimize any impact of traffic as it relates to West Virginia Terrace.

Addendum A:

Montreat Zoning Ordinance Section 606.2: Garages in Front Yard

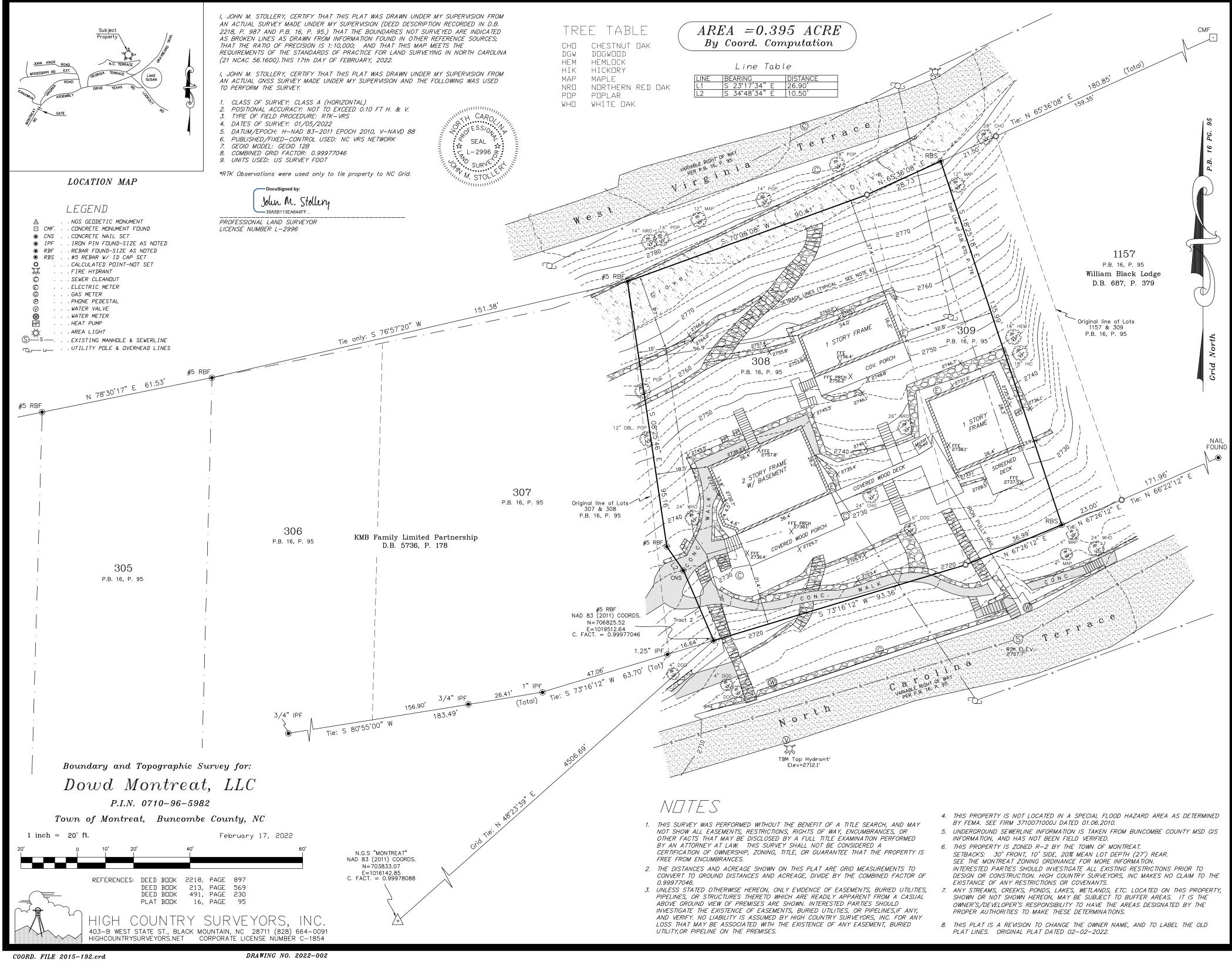
606.21: The zoning Administrator finds this requirement to be met, as referenced in the staff report.

606.22: The garage will be constructed of materials that will meet or exceed the quality and appearance of the principal building. These materials include premium siding, trim and metal roof that will match the principal house.

606.23: The garage will be enclosed and be equipped with an operable garage door and will be maintained in good working order.

606.24: The garage doors will be kept closed when the house is unoccupied for more than one day.

606.25: The property owner will maintain the garage and its appearance in the condition it was when completed and approved by the Building Inspector.



j	BK 2218 PG 897
REGISTERED	
2000 JAN -6 A 10: 52	
OTTO W. DEBRUIL REGISTER OF DEEDS BUNCOMBE COUNTY, N.C.	
Excise Tax	Recording Time, Book and Page
Tax Lot No.	Parcel Identifier No.
Verified by County on	the day of
	ite 2200, Charlotte, NC 28202
. Frank Dowd, Jr. and wife, Anne Waters Dowd	Dowd Montreat, LLC
	P. O. Box 35430 Charlotte, NC 28235-5430
Enter in appropriate block for each party: name, address, and, if app	
The designation Grantor and Grantee as used herein shall shall include singular, plural, masculine, feminine or neuter	include said parties, their heirs, successors, and assigns, at as required by context.
WITNESSETH, that the Grantor, for a valuable considera acknowledged, has and by these presents does grant, bargai	tion paid by the Grantee, the receipt of which is here
certain lot or parcel of land situated in the City of	

Buncombe County, North Carolina and more particularly described as follows:

See Exhibit A attached hereto.

000037

. '

ę.

.

iare din P

1

BK 2218 PG 898

·· - ----

÷

. ; ••

r to generation

:

A map showing the above described property is recorded in Plat Book page	icned in
he Grantee in fee simple. And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right he same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will wa lefend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. President taxes The with the grantee is under the execution of this deed for the sole purpose of releasing her marital rights to the property and does not join in the covenants and warranties contained herein. The with the Grantor bas hereunto set his hand and seal or if corporate, has caused this instrument to be all orporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Doard of Directors, fee day and the vertices. W. FRANK DOWD, JR. W. FRANK DOWD, JR. W. FRANK DOWD, JR. W. FRANK DOWD, JR. W. TEST: 	igned in di year fi
<pre>he same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will wa lefend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. File to the property hereinabove described is subject to the following exceptions: 1999 ad valorem taxes Easement, restrictions, covenants and conditions of record Anne Waters Dowd joins in the execution of this deed for the sole purpose of releasing her marital rights to the property and does not join in the covenants and warranties contained herein. IN WITNESS WHEREOF, the Grantor has berennto set his hand and seal, or if corporate, has caused this instrument to be si bove written. (Corporate Name) (Corporate Name) (Corporate Name) Fresident ATTEST: </pre>	arrant ai iigned in id year fi
releasing her marital rights to the property and does not join in the covenants and warranties contained herein. IN WITNESS WHEREOF, the Grantor has bereunto set his hand and seal, or if corporate, has caused this instrument to be si orporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and bove written. (Corporate Name) 3y: President ATTEST: 	id year fi
Orporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and (Corporate Name) By:	id year fi
President President ANNE WATERS DOWD ANNE WATERS DOWD Secretary (Corporate Seal) Secretary (Corporate Seal) NORTH CAROLINA, Mecklenburg NORTH CAROLINA, Mecklenburg NORTH CAROLINA, Mecklenburg ANDE County. NOTAR; I, a Notary Public of the County and State aforesaid, certify that	
ANNE WATERS DOWD ANNE WATERS DOWD Secretary (Corporate Seal)	(SEA
NORTH CAROLINA, Mecklenburg NORTH CAROLINA, Mecklenburg NOTARY I, a Notary Public of the County and State aforesaid, certify that <u>We Frank Dowd</u> , Jr.	(3EA
DROMGO NORTH CAROLINA, Mecklenburg NOTAR, I, a Notary Public of the County and State aforesaid, certify that <u>We Frank Dowd</u> , Jr.	(SEA
THE PUBLY Stand of the foregoing instrument.	
	<u>9</u> 99
My commission expires: 11-16-04 Secta Miomapole No	otary Pub
SEAL-STAMP NORTH CAROLINA,County.	
I, a Notary Public of the County and State aforesaid, certify that	
ير personally came before me this day and acknowledged that he is6	Secretary
a North Carolina corporation, and that by aut	
given and as the act of the corporation, the foregoing instrument was signed in its name by its	
President, sealed with its corporate seal and attested by as its	
Witness my hand and official stamp or seal, thisday of	
My commission expires: No	otary Pub
The foregoing Certificate(s) of Ruth Diongode	
7	
s/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page sh	

Page 2 of 4

BK 2218 PG 899

EXHIBIT A

Page 3 of 4

Being all of Lot 308 and part of Lot 309, as shown on a plat of Mountain Retreat Association, which plat is recorded in the Office of the Register of Deeds for Buncombe County in Plat Book 154 at page 1, and re-recorded in Plat Book 16 at page 95, and being more particularly described as follows:

BEGINNING at a stake in the northern margin of Carolina (North Carolina) Terrace, at the southeast corner of Lot 307 of said plat; and runs thence with the dividing line between said Lots 307 and 308, North 7-10 West 132.33 feet to a stake in the southern margin of West Virginia Terrace; and runs thence with said margin of said last mentioned Terrace, the following two courses and distances: North 68-49 East 90 feet and North 64-19 East 35.5 feet to a stake; thence South 17 West 138 feet to a stake in the northern margin of Carolina (North Carolina) Terrace, and runs thence with said margin of Carolina (North Carolina) Terrace, the following two courses and distances: South 66-22 West 37 feet and South 72-12 West 110.4 feet to the place of BEGINNING.

Being the same property that was conveyed to W. Frank Dowd, Jr. and wife, Sally Carson Dowd, by Deed dated December 9, 1980, and recorded in the Office of the Register of Deeds for Buncombe County, North Carolina.

ULYAjm242

Page 4 of 4

BK 2218 PG 900

BOOK

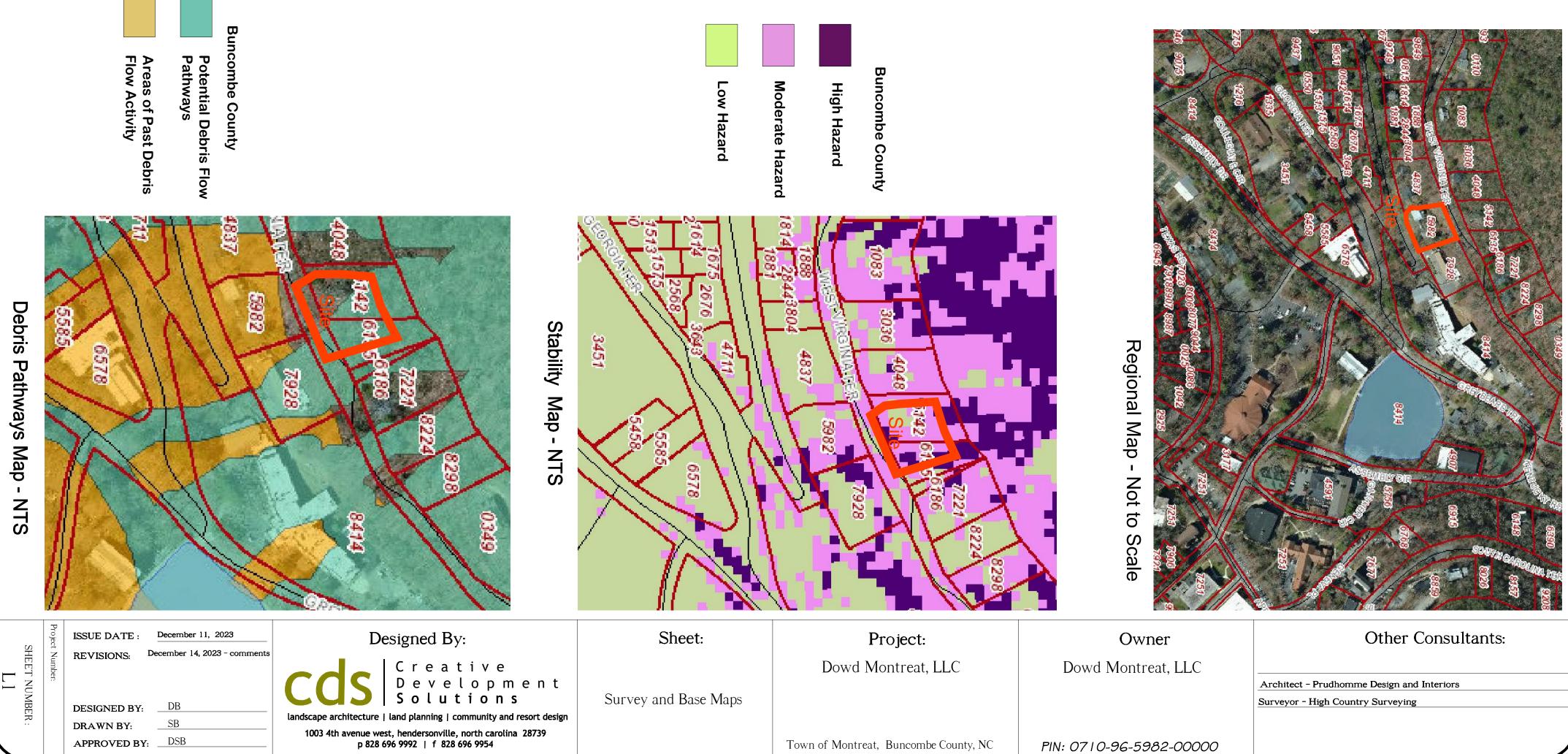
END

Aerial Map - NTS		SCALE : 1" = 20"
	/ors 80' 120'	by High Country Survey 20' 40'
	DRAWING NO. 2022-00	TLE 2015-192.crd
NAD 83 (2011) COORDS. NAT E=1016142.85 C. FACT. = 0.99978088	218, PAGE 213, PAGE 213, PAGE 213, PAGE 16, PAGE 16, PAGE	
N.G.S "MONTREAT"	phic Survey for: ^ C OL t, LLC 96-5982 wombe County, NC February 17, 2022	Boundary and Topographic Si DOWd MONTPEQt P.I.N. 0710-96-598. Town of Montreat, Buncombe 1 inch = 20' ft. 20' 0 10' 20' 40'
47.06 47.06 47.06 10 IPF 12 10 IPF 73.16.12 10 The: S 73.16.12 10 The: S 73.16.12 10 The: S 73.16.12	3,4" IPF Tie: 0	
Sisting walls to remain 307 B. 16, P. Existing Hole porches to D.B. 5736, P. 178 D.B. 5736, P. 178 <td>P.B. 16, P. 95</td> <td>P.B. 16. P. 95</td>	P.B. 16, P. 95	P.B. 16. P. 95
o gravel drive rame garage th and walls		#5 RBF N 78°30'17" E 61.53 #
		LOCATION MAP
TREE L-2996, DN FEBRUARY 17, 2022. THIS BE CONSIDERED A CERTIFIED DOCUMENT. HIX HI MAP MA NRD ND POP PO	THIS DOCUMENT ORI JOHN M. STOLLERY, L-2 MEDIA SHALL NOT BE (AND ROAD BOOK FRALE

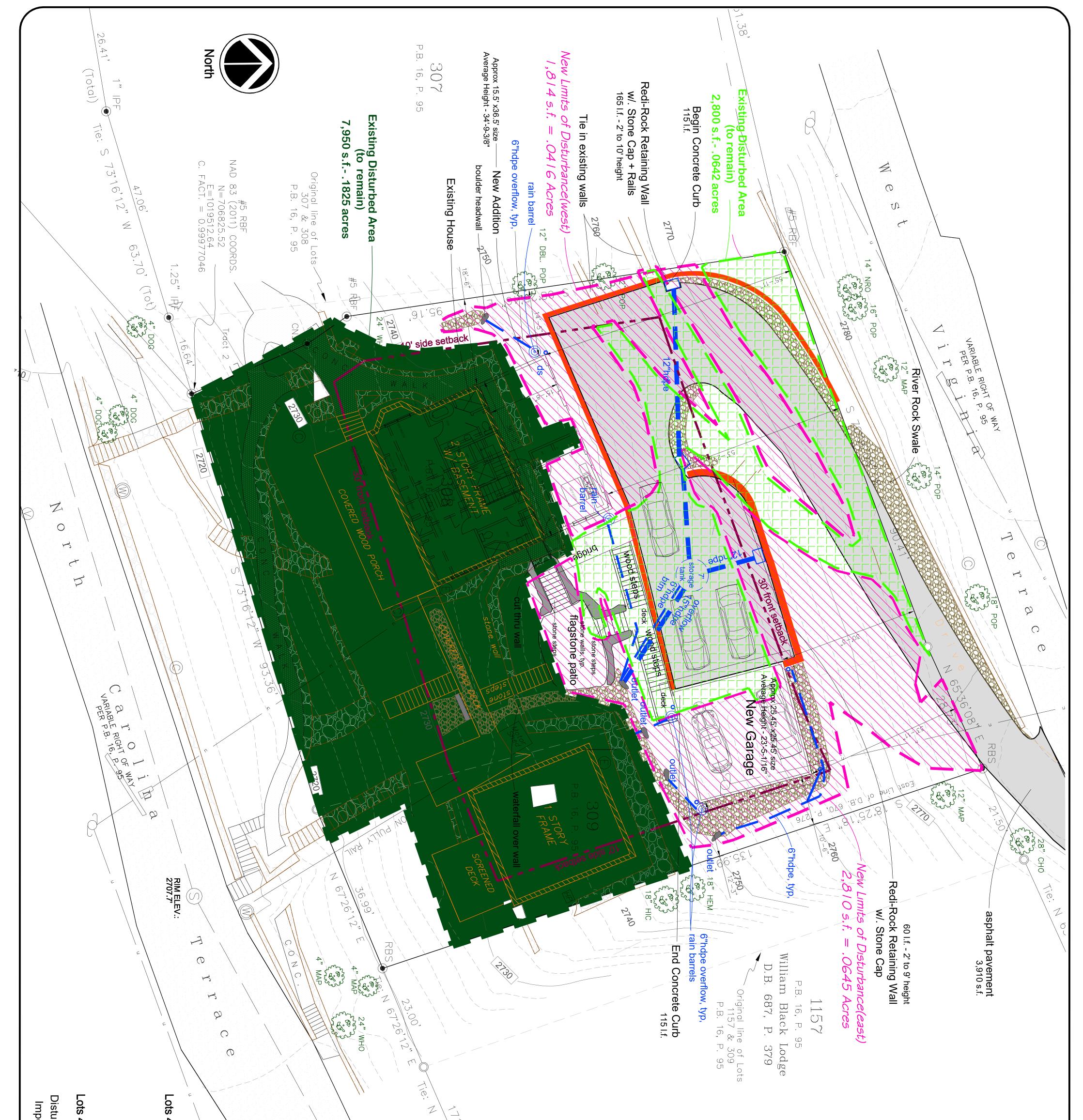






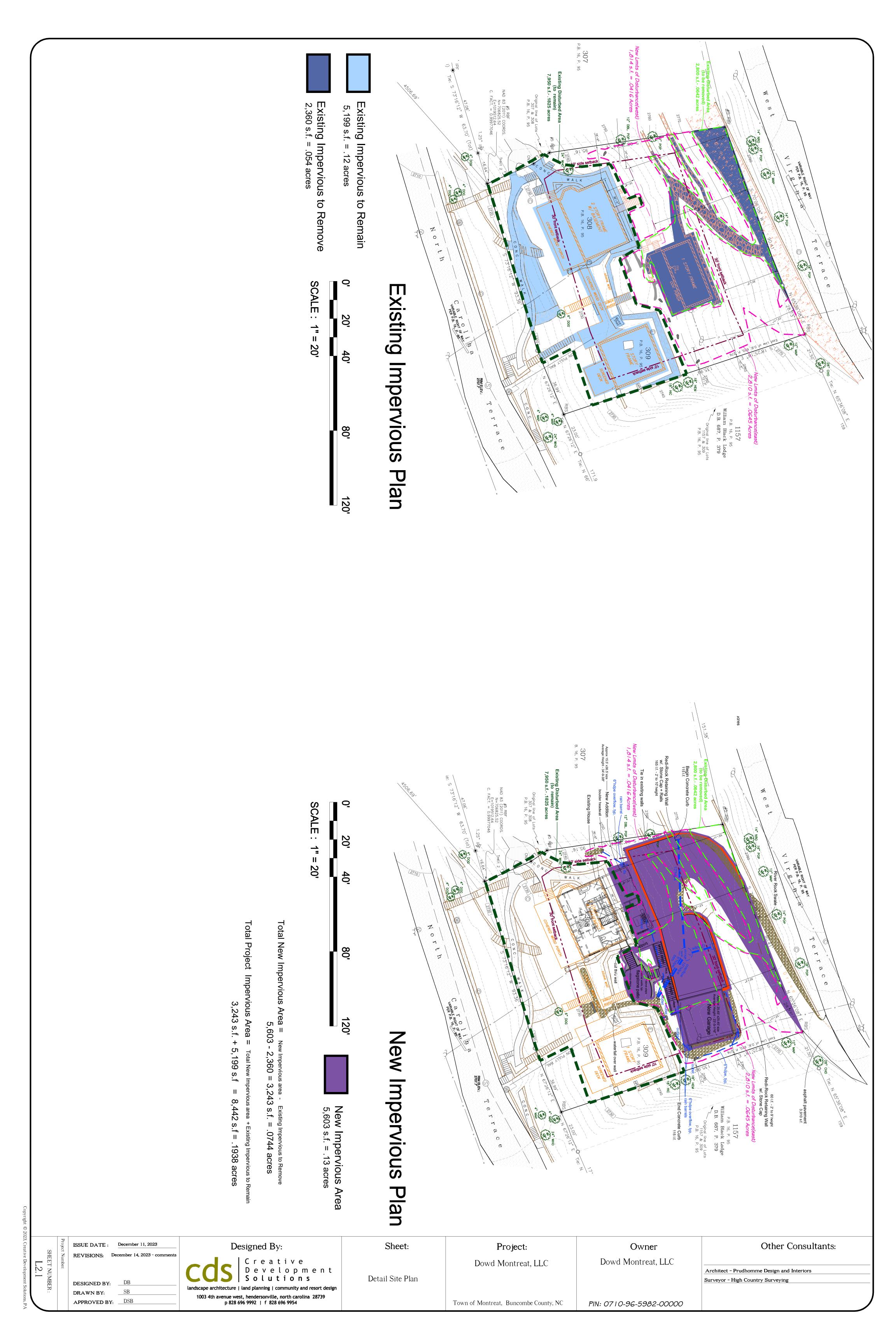


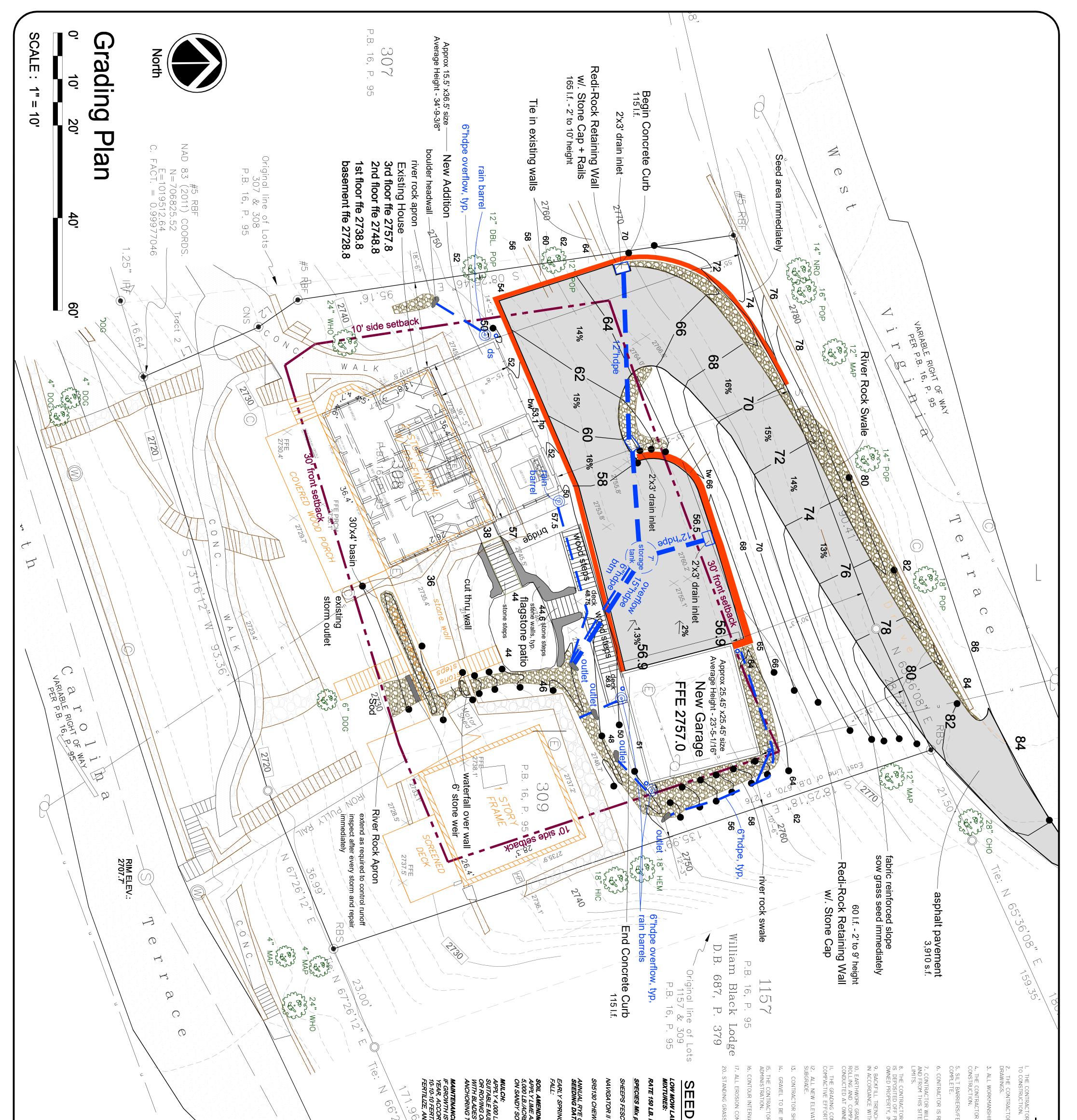




urbance = Existing to remain (10,750 sf.) + New (4,624 sf.) = 15,374 s.f. pervious = Existing to remain (5,199 sf.) + New (3,243 sf.) = 8,442 s.f.	40% to 45% slope= 6,882.48 s.f. / .158 acres max.5,161.86 s.f max.40% to 45% slopeLand Disturbance proposedProposed40% to 45% slope15,374 s.f.8,442 s.f.	uirements	Parking Calculations Approximately 1,200 s.f. of residentail use is added with this project Two additional parking areas are required. Five total spaces provided.	The average slope of the entire property is 44.82%. The highest elevation of the lot is 2,780' There are no floodplains on or adjacent to this property There are no streams on this property.	Total New Impervious Area = New Impervious area - Existing Impervious to Remove 5,603 - 2,360 = 3,243 s.f. = .0744 acres Total Project Impervious Area = Total New Impervious area + Existing Impervious to Remain 3,243 s.f. + 5,199 s.f = 8,442 s.f = .1938 acres Percentage of Lot New Impervious Area = 19% Percentage of Lot Total all Impervious Area = 49%	Site Calculations Total Property = 17,206 s.f. / .395 acres Proposed New Disturbed Area = 4,624 s.f. / .1061 acres East New (2,810 s.f.) + West New (1,814 s.f.) = 4,624 sf / .1061 acres Existing Disturbed Area (to remain) = 10,750 s.f. / .247 acres Total Proposed Disturbed Area = 15,374 sf. / .353 acres 10,750 (Existing) + 4,624 (new) = 15,374 Percentage of Lot Disturbed = 89.3% 15,374/17,206 = 89.3%
Project N SH	ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 - comm	Designed By:	Sheet:	Project:	Owner	Other Consultants:
SHEET NUMBER :	REVISIONS: December 14, 2023 - comm DESIGNED BY: DB DRAWN BY: SB APPROVED BY: DSB	Cost Creative Development Development Solutions landscape architecture land planning community and resort design 1003 4th avenue west, hendersonville, north carolina 28739 p 828 696 9992 f 828 696 9954	Site Plan	Dowd Montreat, LLC Town of Montreat, Buncombe County, NC	Dowd Montreat, LLC PIN: 0710-96-5982-00000	Architect - Prudhomme Design and Interiors Surveyor - High Country Surveying

Copyright © 2023, Creative Development Solutions,





TREES TO REMAIN NOT IN LIMITS OF DISTU I. ALL TREES, UNDERSTORY AND OTHER VEGETATION TO REMINJURY DURING ANY LAND CLEARING AND CONSTRUCTION PROC 2. THE CONTRACTOR SHALL NOT PARK VEHICLES, STORE MAT WITHIN BARRIERS PROTECTING ANY VEGETATION TO REMAIN. 3. THE CONTRACTOR SHALL NOT CAUSE OR ALLOW THE CLE PAINTS, SOLVENTS, ASPHALT, CONCRETE, OR ANY MATERIAL OF PROTECTED VEGETATION.	STE AREA DESCRIPTION STABILIZA TION STABILIZA TION STABILIZA TION STABILIZA TION STABILIZA TION PROVEM	TE GROUND AGRICUL TURAL LIMESTONE (USE THE LOWER RA DILS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS! AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS! AND 1,000 LB./ACRE 10-10-10 FERTILIZER ILCH. ANCHOR STRAW OR EQUIVALENT COVER OF ANOTHEI ILCH. ANCHOR STRAW BY TACKING WITH ASPHAL T, NETTING, NR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK S SET NEARLY STRAIGHT CAN BE USED AS A MULCH TOOL. S LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND RDING TO THE SOIL TESTS OR TOP DRESS WITH 500 LB./ACRE TILIZER. MOW AS NEEDED TO A 6" MINIMUM HEIGHT. RESEED ND MULCH DAMAGED AREAS IMMEDIATELY.	IFICALIONS LDERS, AND DITCHLINE SEE IV.3 acres TOTAL for entire p IV.3 acres TOTAL for entire p IV.50% FEB. 15 - APR. 30 SEPT. 1 - OCT. 31	INTRACTOR SHALL PROOF ROLL THE DRIVEWAY AREA WITH A SHE T OR UNDERCUT AND BACK FILLED WITH COMPACTED STRUCTURAL TIONS SHOWN ARE APPROXIMATE FINISH ELEVATIONS. THE GRADII HALL REMOVE TOPSOIL AS NECESSARY (MINIMUM OF 4") TO PROVID INSTALLED IN DRIVEWAY AREA AS SOON AS POSSIBLE AND ADDED T R SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE LATEST ALS 2' - SEE PLANS NTROL MEASURES SHOWN AND STATED ON THIS PLAN ARE TO BE S OR MULCH OR FARBRIC MUST BE PROVIDED FOR ALL DISTURBED A	GENERAL PLAN PLAN P R SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES R SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A REVIEW SHOL IP WILL CONFORM TO ALL CODES AND STANDARDS. R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING GRUBBING/CLEAR R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING PROPOSED IMPROVEMENTS. R IN AREAS TO REMOVE OR CLEAN-OUT OF PROPOSED IMPROVEMENTS. R IS RESPONSIBLE TO REMOVE OR CLEAN-OUT ANY SILT, DIRT, OR R OPERTY. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO REMOVE ANY OF NCLUDING RIGHT-OF-WAY AREA AND ROADWAYS. H ASTM D-698 (STD. PROCTOR). H ASTM D-698 (STD. PROCTOR). D AND SLOPES AS SHOWN ARE APPROXIMATE. ADJUST DRIVEWA ACTION TESTS SHALL BE ACCOMPLISHED IN THE FIELD TO TEST A D DES AND SLOPES AS SHOWN ARE APPROXIMATE. ADJUST DRIVEWA
TES RBANCE RBANCE MAIN SHALL BE FLAGGED BY THE OWNER/SURVEYOR AND PROTECTED FROM SESS. ERIALS OR TRENCH WITHIN THE DRIPLINE OF TREES TO REMAIN, OR ANING OF EQUIPMENT, STORAGE OR DISPOSAL OF MATERIALS SUCH AS THAT CAN DAMAGE THE HEALTH OF VEGETATION WITHIN THE DRIPLINE GUIDE WIRES) SIGNS, OR PERMITS SHALL BE FASTENED TO PROTECTED	STABLIZATION TIME FRAME STABILIZATION TIME FRAME EXCEPTIONS IDAYS ISTABLIZATION TIME FRAME EXCEPTIONS IDAYS NONE IDAYS NONE IDAYS NONE IDAYS NONE IDAYS NONE IDAYS IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 IDAYS IDAYS FOR SLOPES GREATER THAN 50 ILDAYS IDAYS FOR SLOPES GREATER THAN 50 ILDAYS IDAYS FOR PERMITERS AND INDAYS MONE [EXCEPT FOR PERMITERS AND INDAYS MONE [EXCEPT FOR PERMITERS AND INDAYS INDAY ZONES) IDAYS TO COVER all dirt and	ATE INSTALLED ACCORDING TO PLAN. IF NO SOIL TEST IS INSTALLED ACCORDING TO PLAN. IF NO SOIL TEST IS TAKEN, FERTILIZE AND LME ACCORDING TO SEEDING SCHEDULE IF SOIL TEST IS TAKEN PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION. 5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, USDA, & U.S. SCS. ED,	ADDITIONAL SEEDING NOTES: 1. GRADING CONTRACTOR IS RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS OF THE PROJECT. 2. LOOSEN COMPACTED SUBGRADE AND UNCHANGED SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER AND LEGALL YBURN THEM. RAKE OR OTHERWISE LIGHTLY SCARIFY SOIL SURFACE TO ENSURE SEED-TO-SOIL CONTACT. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP. SURFACE FOR FINAL SEEDBED PREPARATION, AT FINISH GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM. 3. APPLY SEED BY HYDRO-SEEDING WERE POSSIBLE. ALLOW SEED APPLICATION TO DRY PRIOR TO MULCH APPLICATION TO PREVENT RUN-OFF.	EPS FOOT ROLLER. ALL SOFT SPOTS SHALL BE STABILIZED BY FURTHER FILL MATERIAL. VG CONTRACTOR SHALL DEDUCT THE APPROPRIATE AMOUNT FOR THE E ADEQUATE SUBGRADE FOR ROADWAYS. O AS REQUIRED TO CONTROL MUD. REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH MPLEMENTED THROUGH COMPLETION. REAS BEFORE FINAL APPROVAL.	BY CALLING NORTH CAROLINA 8II AT 1-800-632-4.94.9 THREE (3) DAYS PRIOR BY CALLING NORTH CAROLINA 8II AT 1-800-632-4.94.9 THREE (3) DAYS PRIOR LLD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE JLD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE S AND EXISTING ROADWAY ELEVATIONS PRIOR TO COMMENCEMENT OF S AND EXISTING ROADWAY ELEVATIONS PRIOR TO COMMENCEMENT OF NG. NO GRADING MAY BEGIN UNTIL SILT BARRIER INSTALLATION IS NG. NO GRADING MAY BEGIN UNTIL SILT BARRIER INSTALLATION IS TATE MAINTAINED ROADS FOR HAULING EQUIPMENT AND/OR MATERIALS TO GES TO THE STREETS OR UTILITIES DUE TO NON-COMPLIANCE OF WEIGHT THE ITEMS MENTIONED THAT ARE DEPOSITED ONTO PRIVATE OR COUNTY THE ITEMS MENTIONED THAT ARE DEPOSITED ONTO PRIVATE OR COUNTY CTED TO 98% MAXIMUM DENSITY AT +/-3% OF OPTIMUM MOISTURE CONTENT SHALL AREAS AS REQUIRED BY OWNER. INITIAL COMPACTION TESTS WILL BE CONDUCTED AT CONTRACTOR: INITIAL COMPACTION TESTS WILL BE
ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 - comments DESIGNED BY: DB DRAWN BY: SB APPROVED BY: DSB	Designed By: Creative Development Solutions landscape architecture land planning community and resort design 1003 4th avenue west, hendersonville, north carolina 28739 p 828 696 9992 f 828 696 9954	Sheet: Grading Plan	Project: Dowd Montreat, LLC Town of Montreat, Buncombe County, NC	Owner Dowd Montreat, LLC <i>PIN: 0710-96-5982-00000</i>	Other Consultants: Architect - Prudhomme Design and Interiors Surveyor - High Country Surveying

ALL CLEARING AND GRUBBING WITHIN AREAS OF VEGETATION TO REMAIN SHALL BE DONE WITH HAND TOOLS ONLY AND UNDER THE LABOR THE LABOR MITHIN AREAS OF VEGETATION TO REMAIN SHALL BE DONE WITH HAND TOOLS ONLY AND UNDER THE LABOR THE LABOR THE OWNER.

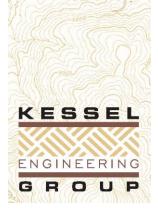
Project Number:

SHEET NUMBER :

5. AN ORANGE HIGH VISIBILITY CONSTRUCTION FENCE OR TEMPORARY SILT BARRIER FENCE SHALL BE INSTALLED AROUND ALL TREES WITHIN 10' OF THE CONSTRUCTION OR AS DIRECTED BY THE OWNER. THE BARRIERS SHALL REMAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.

December 8, 2023

Mr. Chris Brock Brock Builders, Inc. chris@brockbuildersinc.com



Report of Hand Auger Boring Exploration Hennis Residence – 325 North Carolina Terrace – New Driveway/Garage Montreat, North Carolina KEG Project No. JA23-4732-01

Mr. Brock:

Kessel Engineering Group, PLLC (KEG) is pleased to submit this report of hand auger boring exploration for the proposed new driveway and garage construction at the existing Hennis residence located at 325 North Carolina Terrace in Montreat, North Carolina. The purpose of this exploration was to determine general subsurface conditions at the site and to provide preliminary global stability analyses and general geotechnical recommendations for the proposed driveway / site retaining wall design and site preparation. Our services were provided in general accordance with our Proposal No. PA23-4097-01, and received/authorized December 4, 2023.

PROJECT INFORMATION

Initial project information was provided by Mr. Chris Brock via email and telephone correspondences with our Mr. Ian Johnson, P.E. Additional information was gathered during multiple visits to the project site by Mr. Johnson. We have also been provided with the following digital documents:

- *Survey and Base Maps: Dowd Montreat, LLC*, Sheet L1, by Creative Development Solutions, dated September 7, 2023.
- *Site Plan and Detail Site Plan: Dowd Montreat, LLC*, Sheets L2 and L2.1, by Creative Development Solutions, dated September 7, 2023.
- *Grading Plan: Dowd Montreat, LLC*, Sheet L3, by Creative Development Solutions, dated September 7, 2023, and showing proposed driveway grading and associated site retaining walls, as well as existing topographic contours.

The project site is located at the existing residence at 325 North Carolina Terrace in Montreat, North Carolina (see Figure 1). Three separate residential buildings are located on the property. The area of proposed construction is on the north/uphill portion of the property adjacent to West Virginia Terrace and is generally sloping and grassed. A gravel driveway is present near the upper/north side, and a stone walkway/stair cuts through the center. Based on our review of the provided topographic information, the area of proposed construction generally slopes downhill to the south at overall inclinations on the order of 2H:1V (horizontal to vertical). Stacked stone site retaining walls are present along the north sides of each existing structure and presumably retain earthwork cuts. Maximum exposed heights of these existing site retaining walls are on the order of 5 to 10 feet. At this time, no documentation has been provided regarding design or construction of these existing stacked stone site retaining walls.

Project plans include demolition of the northernmost structure at the site and construction of a new garage building in the same general area. Also planned are construction of a driveway and two associated site retaining walls at the north half of the parcel accessed from West Virginia Terrace. Based on information provided on Sheet L2, the proposed site retaining walls will each have maximum heights on the order of 9

to 10 feet, and will retain earthwork cuts and/or fills. Redi-rock type wall systems are indicated on project plans.

For the purpose of this report, the new site retaining walls will be identified as Wall 1A/1B, and Wall 2. Wall 1A/1B is shown as an approximately 170 feet long site retaining wall which will be located within the north, west, and south portions of the proposed construction footprint, with Wall 1A comprising the northern portion (retaining earthwork cuts), and Wall 1B comprising the southern portion (retaining earthwork cuts), and Wall 1B comprising the southern portion (retaining earthwork fills). Wall 2 is shown as an approximately 50 feet long site retaining wall retaining earthwork cuts adjacent the northwest corner of the proposed garage building.

Additional project plans include expansion of the existing 2-story structure (main house) located at the southwest corner of the property. This expansion will include foundation construction to the north of the existing structure and will span over the existing stacked stone site retaining wall in the area. We understand the expansion will be constructed over a crawl space, and that the existing stacked stone site retaining wall in this area is to remain in place.

SITE GEOLOGY

The project site is located in the Blue Ridge Physiographic Province. The bedrock in this region is a complex crystalline formation that has been faulted and contorted by past tectonic movements. The rock has weathered to residual soils which form the mantle for the hillsides and hilltops. The typical residual soil profile in areas not disturbed by erosion or grading consists of clayey soils near the surface where weathering is more advanced, underlain by sandy silts and silty sands.

The boundary between soil and rock is not sharply defined and there is often a transitional zone, termed "partially weathered rock" overlying the parent bedrock. Partially weathered rock (PWR) is defined, for engineering purposes, as residual material with a standard penetration resistance in excess of 100 blows per foot. Weathering is facilitated by fractures, joints, and the presence of less resistant rock types. Consequently, the profile of the partially weathered rock is irregular even over short horizontal distances. Also, it is not unusual to find lenses and boulders of hard rock and/or zones of partially weathered rock within the soil mantle, well above the general bedrock level.

Soils from higher elevations slough and slide down the slopes through the action of gravity. Soils deposited in such a manner are referred to as colluvial soils. Accumulated colluvial soils, or colluvial deposits, may contain features such as perched ground water and planes of weakness on which sliding took place.

FIELD EXPLORATION

The site was explored by performing a series of five hand auger borings (HAB-1 to HAB-5) at the approximate locations shown on the attached Field Exploration Plan (see Figure 2). The hand auger boring locations were determined by our Mr. Johnson by referencing identifiable site features and scaling distances from the provided site plan. The soils encountered by the hand auger borings were identified in the field from cuttings brought to the surface by the auger equipment. Representative samples of the encountered materials were also collected and transported to the laboratory. In the laboratory, the samples were examined by a geotechnical engineer to verify the soil classifications made in the field. Hand auger borings were backfilled at the completion of the field work.

At regular intervals, the soil consistency of the encountered materials was measured by performing the Dynamic Cone Penetrometer test (DCP). The conical point was first seated to penetrate any loose cuttings and was then driven increments of 1³/₄ inches with blows from a 15-pound hammer dropped from a height of 20 inches. The number of blows required to achieve the penetration is recorded. The number of blows is then used as an index to the soil strength and foundation supporting capability. Soil descriptions and test data are tabulated on the attached hand auger boring logs.

SUBSURFACE CONDITIONS

Hand auger borings performed during this exploration typically encountered approximately 8 to 12 inches of surficial topsoil. Hand auger boring HAB-3 was performed in the old gravel driveway footprint and encountered approximately 12 inches of surficial gravel blended with topsoil. Surficial topsoil was underlain by colluvial soils at hand auger borings HAB-1 and HAB-4. The encountered colluvial soils extended to depths of approximately 1.5 to 2 feet below the existing ground surface and consisted of loose silty sands (SM). Colluvial soils at HAB-1 and HAB-4 were underlain by residual soils. Surficial gravel/topsoil encountered at HAB-3 was underlain by existing fill soils. Existing fill soils consisted of very loose to loose silty sands with trace organics and extended to a depth of approximate 6 feet, after which residual soils were encountered. Existing fill soils were noted to be slightly moist.

Residual soils were encountered directly below the topsoil layer at HAB-2 and HAB-5, below the colluvial layer at HAB-1 and HAB-4, and below the existing fill layer at HAB-3. The encountered residual soils generally consisted of loose to very firm silty sands (SM). Firm sandy silts (ML) were encountered at HAB-2 and HAB-5 to depths of approximately 2 feet. Trace mica content was encountered in some of the residual soils.

Multiple offsets were performed at hand auger borings HAB-1, HAB-2, and HAB-3 due to shallow refusal prior to encountering residuum. Hand auger borings HAB-1, HAB-3, and HAB-4 extended to their assigned termination depths of 9 feet. Hand auger borings HAB-2 and HAB-5 encountered auger refusal at depths of 6.5 and 7.5 feet below the existing ground surface.

Refusal materials encountered in hand auger borings during this exploration are those materials which are sufficiently hard to prevent the vertical advancement of the auger equipment. Refusal may result from very dense soils, partially weathered rock, boulders, lenses, ledges, or layers of relatively hard rock underlain by partially weathered rock or residual soil; refusal may also represent the surface of relatively continuous bedrock. Power drilling and core drilling procedures are required to penetrate refusal materials and to determine their character and continuity. Power drilling and core drilling were beyond the scope of this exploration.

Groundwater was not encountered in the hand auger borings performed during this exploration. Groundwater levels may fluctuate several feet with season and rainfall variations. Normally, the highest groundwater levels occur in late winter and spring and the lowest levels occur in late summer and fall.

The above descriptions and Table 1 below provide a general summary of the subsurface conditions encountered. The attached logs contain detailed information recorded at each hand auger boring location. These logs represent our interpretation of the field logs based on engineering examination of the field samples. The lines designating the interfaces between various strata represent approximate boundaries and the transition between strata may be gradual. Soil conditions may vary between the hand auger boring locations. Locations and elevations provided in this report should be considered approximate.

TABLE 1 SUMMARY OF SUBSURFACE CONDITIONS ENCOUNTERED BY HAND AUGER BORINGS (MEASURED IN FEET BELOW THE EXISTING GROUND SURFACE)						
				Residual Soil (feet)		Defund /
Hand Auger Boring No.	Surficial Materials (feet)	Existing Fill (feet)	Colluvium (feet)	Loose Silty SANDS	Firm to V. Firm Silty SANDS or Sandy SILTS	Refusal / Termination Depth (feet)
HAB-1	0 to 0.8	-	0.8 to 1.5	1.5 to 4	4 to 9	9 (t)
HAB-2	0 to 1	-	-	-	1 to 6.5	6.5 (r)
HAB-3	0 to 1	1 to 6	-	6 to 8	8 to 9	9 (t)
HAB-4	0 to 1	-	1 to 2	-	2 to 9	9 (t)
HAB-5	0 to 0.7	-	-	2 to 6	0.7 to 2, 6 to 7.5	7.5 (r)

- Material not encountered in hand auger boring.

* See Figure 2 for approximate locations. See logs for surficial materials.

ANALYSES AND PRELIMINARY DESIGN RECOMMENDATIONS

General Overview and Specifications Review

Careful coordination during design and construction will be required at the project site. In particular, new construction associated with driveway retaining Wall 1B and the main house addition will need to be carefully coordinated such that all structural elements are compatible and properly sequenced into the construction schedule. Furthermore, construction of these items should take place such that they do not negatively impact existing site retaining walls or foundations that are to be left in place. Demolition of the existing northernmost structure and performance of earthwork cuts at the site should be sequenced such that they do not destabilize the project site. We recommend that we be retained to make a review of the foundation and earthwork plans and specifications prepared from the recommendations presented in this report. We would then suggest any modifications so that our recommendations are properly interpreted and implemented. An additional fee would apply for review of plans and specifications.

Topsoil, Colluvium, and Existing Fill

Hand auger borings performed within the proposed construction footprint typically encountered surficial topsoil to depths of 1 foot or less. Surficial topsoil was underlain by existing fill at HAB-3, and colluvium at HAB-1 and HAB-4. Retaining walls, building foundations, driveway pavements, and earthwork fills should not bear on surficial topsoil, existing fill, or colluvium. These materials are susceptible to excessive settlement and instability. Removal of these materials will be required to accommodate the proposed construction. We anticipate a majority of these materials will be removed during proposed grading associated with driveway, site retaining wall, and garage construction.

Shallow Foundations – Garage Building & Site Retaining Walls

Based on the hand auger boring data and our experience with similar subsurface conditions, residuum encountered at the project site is suitable for shallow foundation support of the proposed site retaining wall and garage footing construction. Foundations bearing in residuum similar to that encountered in the hand auger borings with DCP n-values of 7 or better may be sized for an allowable bearing pressure of 2,500 psf. Satisfactory performance of the shallow foundations is subject to the design and site preparation recommendations contained in this report. Some isolated subgrade remediation may be required if pockets of looser/softer residual soils are encountered in foundation excavations. Remediation would likely include localized undercutting and replacement by overpouring with lean concrete. We do not recommend backfilling foundation undercutting on sloping lots with washed stone. Foundations should not be constructed atop topsoil, colluvial soils, existing fill or very loose residual soils. If encountered, these materials should be undercut to approved residuum.

We recommend that the minimum widths for individual column and continuous wall footings be 30 and 24 inches, respectively. The minimum widths are considered advisable to provide a margin of safety against a local or punching shear failure of the foundation soils. Footings should bear at least 30 inches into approved residuum to develop the recommended bearing pressures, provide frost protection, and provide protective embedment. We recommend that walls be provided with regular movement joints to accommodate some possible differential settlement.

Building footings constructed adjacent slopes (on the downhill side) require additional embedment. We recommend that building footings constructed adjacent sloped areas be embedded such that the horizontal distance between the bottom of the footing and the slope surface is a minimum of 8 feet. This could require foundation embedment depths of approximately 4 feet along the south garage footing depending on final site layout.

While not anticipated, if refusal materials and/or rock are encountered prior to meeting the aforementioned minimum foundation embedment depths, then pinning to underlying rock may be required. Foundations which are pinned (doweled) to rock should be designed by the structural or wall engineer to resist sliding. We recommend the use of epoxy-coated or stainless steel dowels grouted into place with a minimum embedment of 12 inches into rock. Longer dowel embedment lengths may be required if the rock is fractured or seamy. The dowels should be placed perpendicular to the face of the rock. Foundations bearing directly on uneven rock surfaces may be susceptible to radial cracking when bearing conditions differ across the footing. This type of cosmetic cracking should be expected. If encountered at the base of foundation excavations, refusal materials and/or rock should be observed by the geotechnical engineer to determine that they are competent for pinning, and geotechnical recommendations for construction atop refusal materials and/or rock should be developed at that time.

Exposure to the environment may weaken the soils at the footing bearing level if the foundation excavations remain open for long periods of time. Therefore, we recommend that once each footing excavation is extended to final grade, the footing be constructed as soon as possible in order to minimize the potential for damage to bearing soils. The foundation bearing area should be level or benched and free of loose soil, ponded water and debris. Foundation concrete should not be placed on soils that have been disturbed by seepage. If surface water intrusion or exposure softens the bearing soils, the softened soils must be removed from the foundation excavation bottom prior to placement of concrete. If the excavations must remain open for an extended period of time, or if rainfall becomes imminent while the bearing soils are exposed, we recommend that a 2-inch to 4-inch mudmat of lean (2,000 psi) concrete be placed on the bearing soils before the placement of reinforcing steel for protection.

In order to verify that the soils encountered in footing excavations are similar to the approved residuum encountered by the hand auger borings, we recommend that foundation excavations be examined and checked with a dynamic cone penetrometer by an engineering technician working under the direction of the geotechnical engineer.

Deep Foundations – Proposed Main House Expansion

As previously described, the proposed main house expansion will span over an existing stacked rock site retaining wall located to the north of the building. Due to the unknown conditions associated with design and construction of the existing stacked rock site retaining wall, construction of shallow foundations within this wall's retained soil zone could lead to excess lateral loading of the wall and subsequent distress and/or instability. Therefore, we recommend that the proposed main house expansion be supported by deep foundations. This recommendation is provided in order to transfer expansion foundation loading to a deeper bearing strata such that additional lateral loading from the expansion upon the existing stacked rock site retaining wall is eliminated.

The proposed main house expansion can be supported on pile caps and/or grade beams supported by helical piles. Helical piles consist of single flights of screw helix along a shaft installed with rotary installation equipment. They can be installed in relatively rapidly, and the installation produces minimal vibration. The shafts are designed to withstand the compressive and tensile foundation loads which are then transferred to suitable bearing materials (i.e., underlying very firm / dense residual soils, partially weathered rock and/or refusal materials). Should the soils be corrosive, special coatings are applied at the time of installation or cathodic protection can be used. Torque value should be monitored during installation to estimate soil consistency as the helix penetrates through the different subsurface strata.

Allowable capacities on the order of 15 to 20 kips per pile can be utilized in initial feasibility planning; however, the final design capacity should be determined by the pile design engineer. Helical piles should be designed to limit total and differential settlement of foundations to 1-inch and ½-inch, respectively. A minimum center-to-center spacing of 3 pile diameters is recommended. Battered piles may be required to take up lateral loads. Piles should be sufficiently stiff to develop the required lateral capacity, if applicable.

We recommend that a specialty contractor with experience in helical pile design and installation and working under a "design/build performance" specification be retained to install the foundation system. The helical pile design should be provided by a professional engineer licensed in the State of North Carolina. The pile spacing, sizing, proposed depths, and connections to proposed pile caps and/or grade beams should be determined/designed by the design engineer. The bidding foundation contractors should be provided a copy of this report. The helical pile installation QC program should be monitored full time by a Kessel Engineering Group representative within the scope of the project Statement of Special Inspections. The QC program would include conducting verification of placement, installation depths, and observed torque/pressure. These items should be documented for each helical pile element installed to provide a complete record of foundation quality. We recommend Kessel Engineering Group be consulted to review the design developed from the recommendations provided in our report. We would then suggest any modifications so that our recommendations are properly interpreted and implemented.

If partially weathered rock (PWR) or bedrock are encountered during helical pile installation, these materials may inhibit the ability of the helical pile contractor to successfully install the piles to the design torque and/or depths. If this condition is encountered, an alternative deep foundation system such as micropiles may be required. Alternatively, the use of special lead sections designed to penetrate rockier soils could be attempted at the specialty contractor's discretion and risk. Determining the depth to PWR and/or bedrock would require mobilizing a drill rig to the project site, which was beyond the scope of this exploration.

Preliminary Global Slope Stability Analyses

Preliminary global slope stability analyses were conducted by Spencer's limit equilibrium method using SLOPE/W software developed by Geo-Slope International. Analyzed slope geometries were estimated from the provided site grading plan. Slope stability analyses were used to estimate the factor of safety against global slope failure for two cross-sections of the proposed construction area shown on Figure 2 (CS-1 to CS-2). A traffic loading condition of 250 psf was utilized where applicable. It is our opinion that Wall 1B (retaining earthwork fills) will require geogrid reinforcement in order to satisfy global stability requirements. Required geogrid reinforcement lengths will likely be at least 1.5 times the wall heights at most locations.

The soil strength parameters used in the analyses were estimated based on our experience with similar soils. A summary of the effective stress shear strength parameters utilized in our analyses are provided below in the attachments to this report. We assumed the south portion of West Virginia Terrace was constructed primarily on fill soils. Based on our experience, the most likely type of slope failure for these conditions would be a circular failure arc. Generally, we recommend a factor of safety FS \geq 1.5 for critical slopes retaining structures, and a FS \geq 1.3 for slopes retaining roadways and for transient (i.e. traffic) loading conditions. A factor of safety FS \leq 1.0 is indicative of failure.

The results of our slope stability analyses at each cross-section are presented in the attachments to this report. Based on available project information, data obtained from our field exploration, our experience with similar subsurface conditions, and our preliminary global slope stability analyses, it is our opinion that, if performed in accordance with the recommendations provided in this report, the proposed driveway and garage construction will have an adequate industry-standard factor of safety with respect to overall site global stability.

Retaining Walls

The design of foundation basement retaining walls and site retaining walls constructed on sloping sites is often governed by global stability. Sloping conditions should be considered during retaining wall design. Retaining wall design parameters including backfill requirements (such as select backfill) will likely be affected by the sloping conditions at the site. At a minimum, retaining wall foundations should adhere to the recommendations set forth in the *Shallow Foundations – Garage Building & Site Retaining Walls* section of this report. We note that detailed retaining wall stability analyses and designs are beyond our current scope of service. Site retaining walls should be designed by a professional engineer licensed in the State of North Carolina and should consider localized stability and global stability.

Site retaining walls must be capable of resisting the lateral earth pressures that will be imposed on them. Based on our experience with similar soils, the following shear strength effective stress parameters are recommended for use during preliminary site retaining wall design. For walls retaining undisturbed residuum similar to that encountered in the borings, we recommend an angle of internal friction value of 32 degrees, a cohesion value of 100 psf, and a soil unit weight of 115 pcf. For low plasticity (PI < 10), onsite or offsite silty sands similar to those encountered in the borings and used as engineered fill, we recommend an angle of internal friction value of 30 degrees, a cohesion value of 0 psf, and a soil unit weight of 125 pcf be utilized to calculate lateral earth pressure coefficients. Laboratory testing should be performed prior to construction to confirm the utilized design values are appropriate.

In lieu of using soil backfill, select backfill consisting of No. 57 stone may be used to reduce lateral earth pressures on the walls. No. 57 stone placed against retaining walls as select fill should extend from the base of the walls in a wedge with an angle of 45 degrees or shallower from horizontal in order that the following parameters may be used to reduce lateral earth pressures. For select backfill consisting of No. 57 stone, we recommend an angle of internal friction value of 38 degrees, a cohesion value of 0 psf, and a soil unit weight of 105 pcf be utilized to estimated lateral earth pressure coefficients. Passive earth pressures should not be developed with No. 57 stone. Non-woven, needle-punched geotextile filter fabric (such as Mirafi 140N or equivalent) should be used to separate No. 57 stone from adjacent soils and

prevent migration of fines into the stone. <u>No. 57 stone must be placed such that it is permanently</u> <u>confined.</u> No. 57 stone should be placed and compacted in maximum 12-inch lifts. This is recommended to help reduce the potential for settlement within deeper placements of No. 57 stone.

Frictional resistance along the base of wall foundations may be used to resist sliding. We recommend a coefficient of frictional resistance (f_s) value of 0.39 for retaining wall foundations bearing in undisturbed on-site residual soils.

Lateral pressure arising from sloping fill surfaces, surcharge loading, earthquake loading, and groundwater (not expected within wall construction depths) will dramatically influence the earth pressure coefficients and should be included in the calculation of the total lateral pressures that the walls must resist. In addition, transient loads imposed on the walls by construction equipment during grading should be taken into consideration during design and construction. Excessively heavy grading equipment should not be allowed within about 10 horizontal feet of the walls. The design of site retaining walls should take global stability into account, especially where walls are located on/adjacent to slopes or are retaining sloping backfills.

Provisions for the drainage of water which collects behind the retaining structures must be provided. The drainage system should have sufficient capacity to prevent the buildup of excess hydrostatic head behind the walls. The drainage system should incorporate appropriately graded sand or aggregate material and geotextile fabric to prevent the loss of fines which could be transported in the drainage system. Drain cleanouts should be provided.

The preceding values are based on our experience and testing of reasonably similar soils. Sloping backfill (or sloping soil surfaces in front of a footing when considering passive resistance) will dramatically influence lateral earth pressures. Kessel Engineering Group should be consulted concerning applicable earth pressure coefficients where sloping soil surfaces may be present.

Grade Slabs

Based on the hand auger boring data and our experience with similar soils, approved onsite residual soils (n-value of 7 or better) and newly placed engineered fill are suitable for support of grade slabs and pavements assuming that the site is prepared in accordance with the recommendations in this report. Topsoil, colluvium, and existing fill soils are not suitable for support of grade slabs and pavements and should be undercut to approved residuum and brought back to design grade with engineered fill. Areas to support grade slabs and pavements should be evaluated as directed by the geotechnical engineer prior to grade slab or pavement construction. The implementation of remedial measures, such as undercutting and replacing with new engineered fill, will be required if unsuitable soils are encountered.

We recommend that consideration be given to constructing the project driveway as a concrete reinforced grade slab in multiple sections in lieu of utilizing asphaltic pavements. It is our experience that significant difficulties may be experienced when attempting to place and properly compact asphaltic pavements on projects with relatively steep grades and tight curves such as the proposed project driveway. Poorly constructed asphaltic pavements may experience short- and/or long-term distress, especially where vehicular traffic is regularly braking and turning.

Building grade slabs should be jointed around columns and along footing supported walls so that the slab and foundations can settle differentially without damage. If slab thickness permits, joints containing dowels or keys may be used in the slab to permit movement between parts of the slab without cracking or sharp vertical displacements. Completed slabs should be protected from excessive surface moisture prior to and during periods of prolonged below-freezing temperatures to prevent subgrade freezing and resulting heave. For grade slabs bearing on a combination of engineered fill and refusal materials (if encountered), over-excavation of the refusal materials approximately 12-inches and replacement with compacted engineered fill to provide a cushion is recommended. If the driveway or garage pad subgrades are to be exposed to construction traffic or inclement weather for an extended period of time, it may be advantageous to overbuild the pad during initial grading or to place a granular material (such as an aggregate base course material) across the subgrade to help minimize deterioration.

Floor slabs supported on grade which will be carpeted, tiled, painted, or receive some other covering or sealant should incorporate a vapor barrier. At a minimum, the vapor barrier should be installed in accordance with the guidelines outlined in Chapter 3 of ACI Publication 302.1 (*Guide for Concrete Floor and Slab Construction*).

Difficult Excavations

Refusal materials were encountered within the residual soil strata in hand auger borings HAB-2 and HAB-5 at depths of approximately 6.5 and 7.5 feet below the existing ground surface, respectively. Refusal materials encountered by hand auger boring equipment can sometimes be due to the physical limitations of hand auger equipment, and it is our experience that these materials are often able to be excavated with standard excavation equipment.

However, refusal materials can also signify transition into more resistant materials as noted in the *Subsurface Conditions* section of this report. Difficult excavations should be anticipated if more resistant refusal materials are encountered within proposed construction depths. Heavy excavation equipment and heavy excavation equipment with ripping tools will be able to remove some of these materials. Foundation excavations could require some pneumatic hammering to excavate seams of more resistant rock, if encountered. The ease of excavation of these materials cannot be specifically quantified and depends on the quality of grading equipment, skill of the equipment operators and geologic structure of the material itself, such as the direction of bedding, planes of weakness and spacing between discontinuities.

Groundwater and Surface Water

As previously described in the *Subsurface Conditions* section of this report, groundwater was not encountered within the proposed construction footprint during this exploration. If groundwater is encountered during site grading or construction, the geotechnical engineer and wall design engineer should be contacted immediately to develop recommendations for subsurface drainage control. The contractor should be prepared to promptly remove surface water from the construction area by means of gravity ditches and pumping from gravel-lined cased sumps.

Secondary Design Considerations

The following secondary design considerations are known to generally enhance performance of structural systems. Roof drainage should be collected by a system of gutters and downspouts and piped away from structures and slopes. Site grading and paving should result in positive drainage away from structures, site retaining walls, and slopes. Water should not be allowed to pond around structures or in such locations that would lead to saturation of their subgrade. A minimum slope of approximately ¼ to ½-inch per foot should provide adequate drainage. Backfill for utility lines should be placed in accordance with the requirements for engineered fill to minimize the potential for differential settlement.

SITE PREPARATION AND CONSTRUCTION RECOMMENDATIONS

Clearing and Grubbing

Existing topsoil, vegetation, disturbed soils, limbs, stumps, and surface soils containing organic matter or other deleterious materials should be removed from the area of the proposed construction. Topsoil and organic soils may be stockpiled for later use in areas to be landscaped. Stumps and other deleterious materials should be disposed of offsite or in areas of the site that will not be developed. Further construction of structures or pavement in areas containing limbs or stumps, organic soils, burn pit residue or other deleterious materials will first require that these materials be removed.

Proofrolling

If feasible, we recommend that areas to provide support for grade slabs, pavements, and earthwork fills be observed and proofrolled by an engineering technician working under the supervision of the geotechnical engineer. For mountainside residential sites, where heavy excavation equipment encounters difficult site access, the general method of proofrolling should consist of rolling the exposed subgrade using a loaded dump truck, if feasible. Areas which wave, rut, or deflect excessively and continue to do so after several passes of the proofroller, or are otherwise deemed unsuitable, should be excavated to firmer soils and backfilled with engineered fill placed and compacted as recommended in this report. Proofrolling should not be performed on wet, frozen, or saturated subgrade or immediately following periods of precipitation.

Engineered Fill

Fill used for site retaining wall backfill or raising site grades should be uniformly compacted in thin (6inch to 12-inch) horizontal lifts to at least 95 percent of the standard Proctor maximum dry density (ASTM D-698) and within 3 percent of optimum moisture. The upper 18 inches below grade slabs and concrete pavements should be compacted to at least 98% of the same standard. Based on visual examination and our experience with similar soils, the on-site soils consisting of residuum and colluvium are generally suitable for re-use as engineered fill, provided they are free of organics and are moisture conditioned. Existing fill soils (such as that encountered at HAB-3) are marginal for reuse as existing fill due to moisture conditions and some organic content, and will likely need to be exported offsite. Soils with particle sizes larger than 6 inches should generally not be reused for engineered fill.

In general, soils having a Plasticity Index (PI) greater than 30 (less than 15 is preferable) should not be used for fill. Soils utilized as engineered fill should have a maximum dry density as determined in accordance with ASTM D698 (Standard Proctor test) of 90 pcf or higher (95 pcf or higher preferred). Before filling operations begin, representative samples of each proposed fill material should be collected and tested to determine the compaction and classification characteristics. Once compaction begins, a sufficient number of density tests should be performed by an engineering technician working under the direction of the geotechnical engineer to measure the degree of compaction being obtained.

Engineered fill should be placed in horizontal lifts. <u>Prior to each lift of fill placement, the sloped area</u> should be benched with a level pad into residuum. The level pad will allow for better compaction of the fill materials. The resulting series of level benches will also serve to break the potential slip plane between the temporary slope and backfill materials.

The surface of compacted subgrade soils can deteriorate and lose its support capabilities when exposed to environmental changes or construction activity. Deterioration can occur from, but is not limited to, the effects of freezing temperatures, the formation of erosion gullies, exposure to extreme wetting/drying conditions, long term exposure to natural elements, and rutting caused by construction traffic. We recommend that surfaces of the subgrade that have deteriorated or softened be recompacted immediately prior to construction of grade slabs or pavements. Additionally, excavations through the subgrade soils, such as utility trenches, should be properly backfilled with compacted lifts of engineered fill. Recompaction of subgrade surfaces and compaction of backfill should be checked with a sufficient number of density tests to determine if adequate compaction is being achieved.

Slopes and Excavations

Confined excavations such as for footing or utility installation should conform to OSHA regulations. For excavations that are not confined (i.e. cut slopes), our experience suggests that temporary excavation side slopes through undisturbed residuum should be laid back at a 0.75H:1V (horizontal:vertical) slope, or flatter, with maximum heights of 8 feet or less. Our experience suggests that permanent excavation side slopes through residuum at the site should be laid back at a 1.5H:1V, or flatter, with maximum heights of 8 feet or less. Permanent fill slopes are not anticipated at the project site. Cut and fill slope surfaces should be protected from erosion by grassing or by other means. Permanent slopes of 3H:1V or flatter may be desirable for mowing.

BASIS OF RECOMMENDATIONS

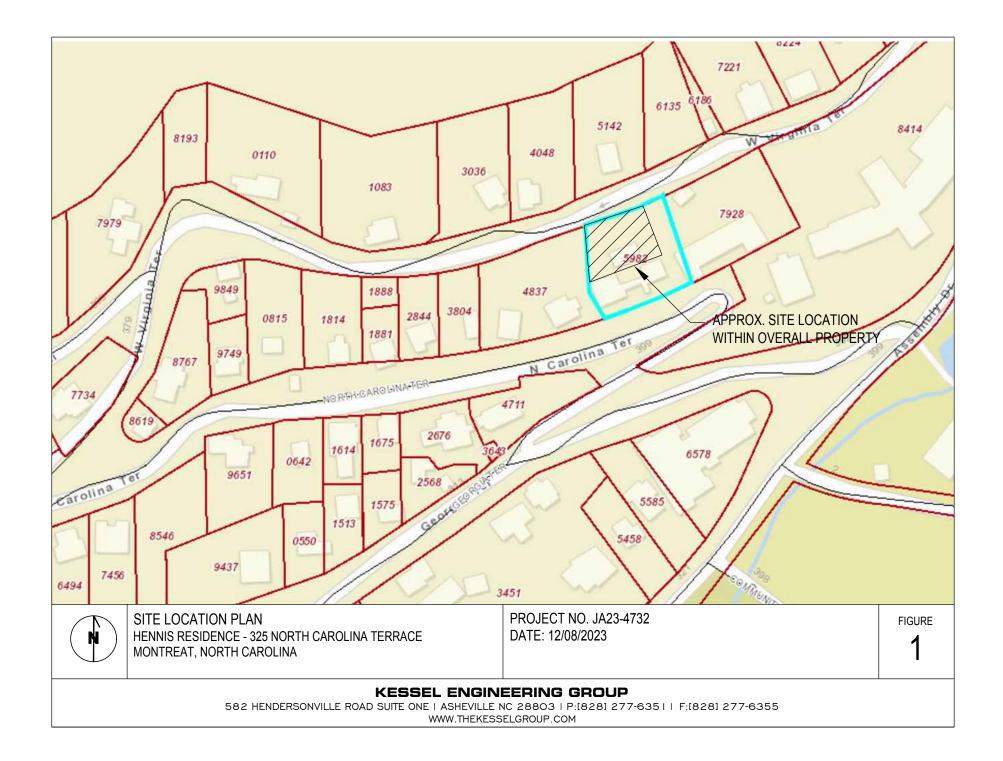
The recommendations presented in this report are based on our understanding of the project information, data obtained in our exploration, and our experience on similar projects. The general subsurface conditions utilized in our evaluation have been based on interpolation of the subsurface data between the widely spaced hand auger borings. Subsurface conditions between the hand auger boring locations may differ. If the project information is incorrect, please contact us so that our recommendations can be reviewed. Significantly different subsurface conditions may be present at portions of the site not explored during this hand auger boring exploration, and additional subsurface data should be gathered to develop revised recommendations if the location of the proposed construction footprint is significantly modified from that described herein.

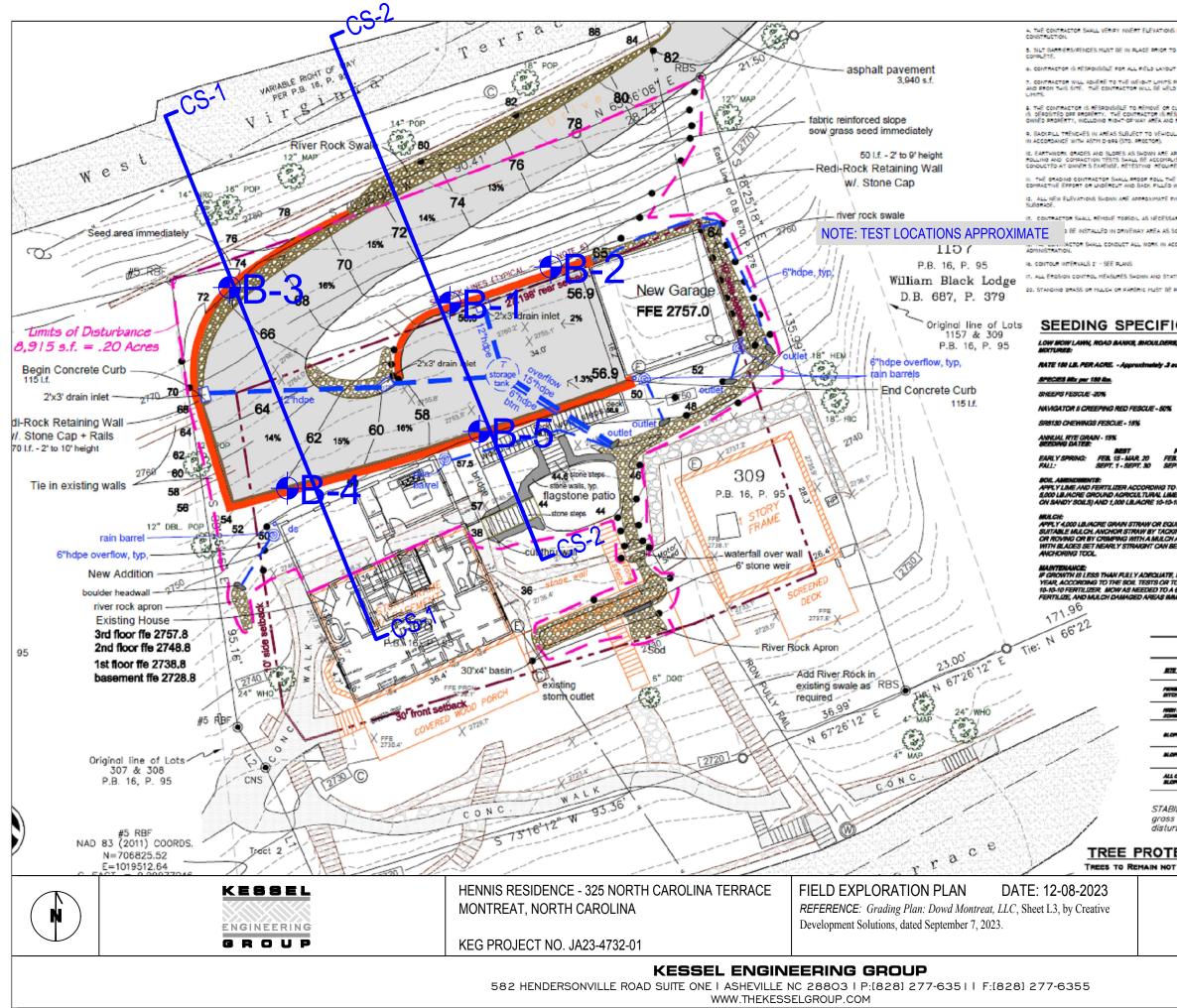
The discovery of site or subsurface conditions during construction which deviate from the data obtained in this exploration should be reported to us for our evaluation. The assessment of site environmental conditions for the presence or absence of pollutants in the soil, rock, or groundwater of the sites is also beyond the scope of this exploration. The assessment of existing building and site retaining wall foundation bearing conditions, existing site retaining wall stability, and site slopes beyond the proposed driveway construction footprint at the site is beyond the scope of this exploration. Detailed site retaining wall design and finalized global stability analyses are beyond our current scope of service.

We appreciate the opportunity to offer our professional services on this project. If you have any questions concerning this report, please do not hesitate to contact us. We hope that you will give KEG consideration to providing construction materials testing services during the construction phase of this project.

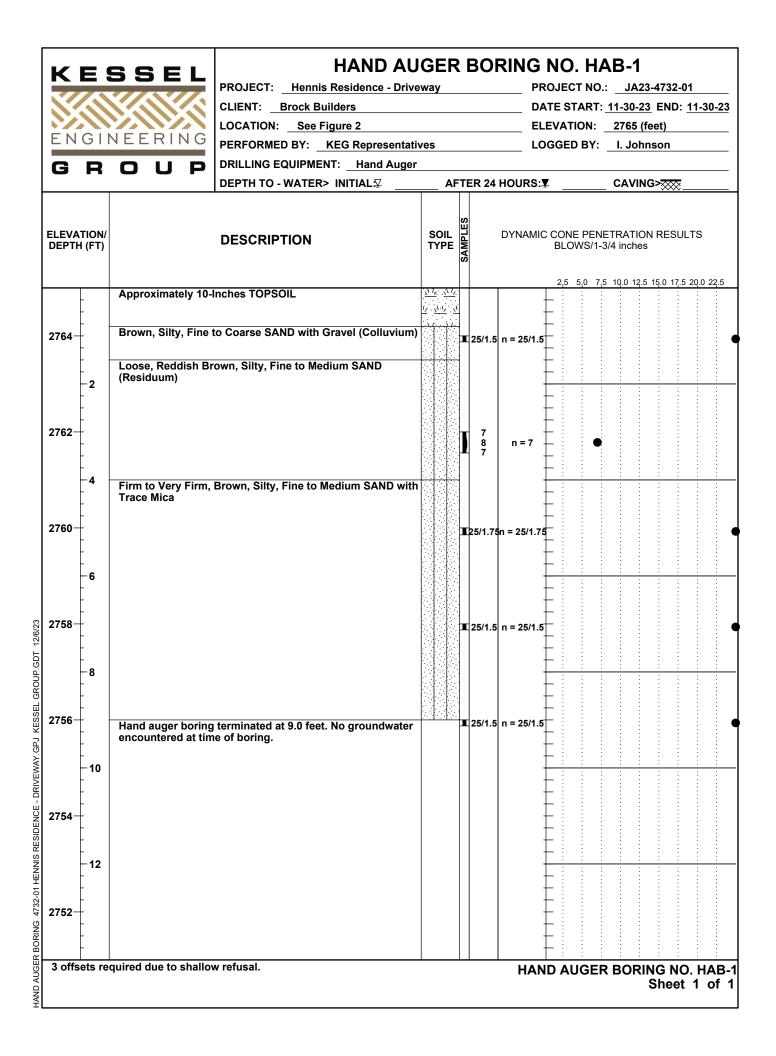
Sincerely, KESSEL ENGINEERING GROUP, PLLC, (NC Firm License No. P-0420) CAROLIN JORT OFESSION SEAL 38637 Ian Johnson, P.E. Caitlin Warner, P.E. Senior Engineer Senior Engineer Registered, North Carolina 3863 Registered, North Carolina 41503 9N JOHN Attachments: Figure 1 - Site Location Plan Figure 2 - Field Exploration Plan Hand Auger Borings Logs (HAB-1 to HAB-5) Key to Soil Classifications and Consistency Descriptions Slope Stability Analyses (cross sections CS-1 to CS-2)

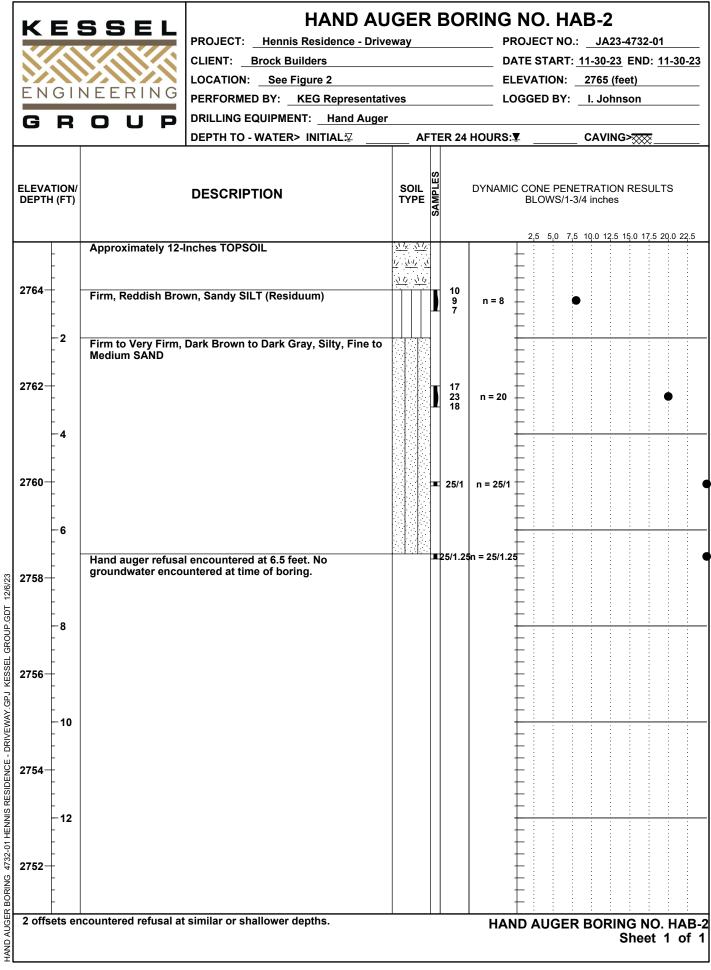
Distribution: Mr. Chris Brock, Brock Builders, Inc.; via email at chris@brockbuildersinc.com





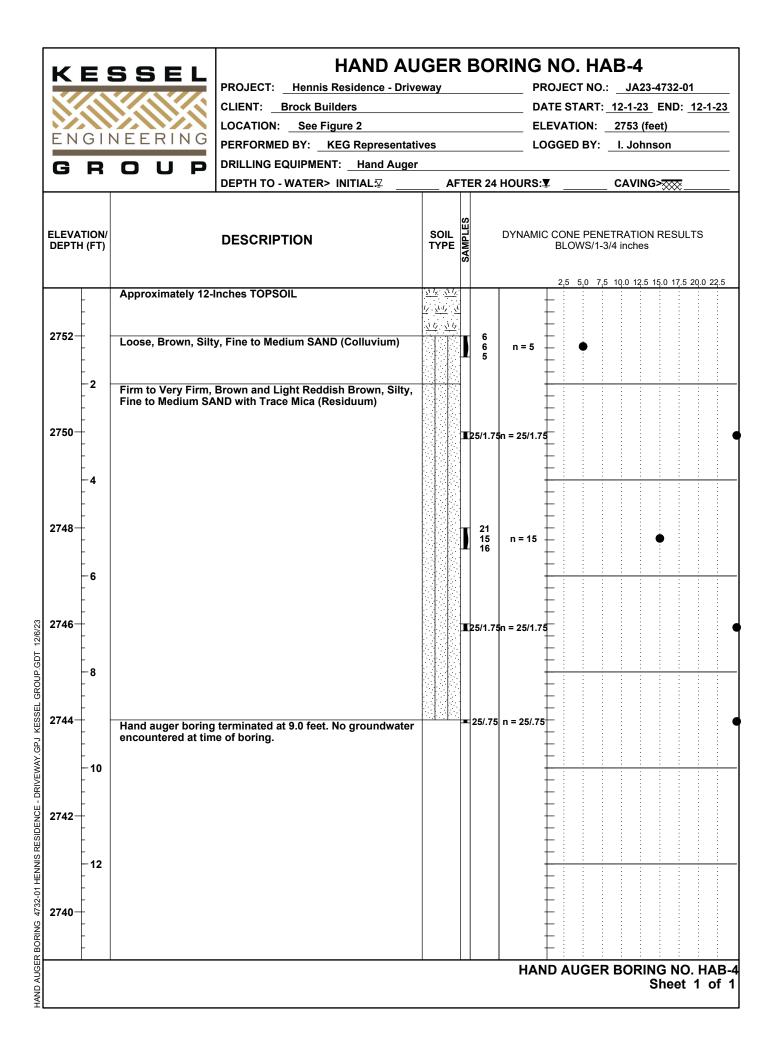
IN FOR EXISTING/PROPOSED PIPES AND EXISTING ROADWAY ELEVATIONS PRICE TO COMPENSEMENT OF TO BEDIMINIO ORUBBINO/CLEARING. NO DRADNO MAY BEDIN UNTL. SILT BARRER INSTALLATION IS UT OF PROPOSED IMPROVEMENTS. IS PRESENTED ON COULTY AND STATE MAINTAINED ROADS FOR HAULING EQUIPHINT AND/OR MATERIALS TO LO RESONSIBLE FOR ANY DAMAGES TO THE STREETS OF UTILITIES DUE TO NON-COMPLIANCE OF WEIGHT I CLEAN-OUT ANY SILT, DIRT, OR MUD, OR ANY OTHER TYPE OF DEBINS THAT COMES OF THIS SITE AND AND IS DESIDNABLE FOR ANY DATAGES TO THE STREETS OF UTILITIES DUE TO NON-COMPLIANCE OF WEIGHT I CLEAN-OUT ANY SILT, DIRT, OR MUD, OR ANY OTHER TYPE OF DEBINS THAT COMES OF THIS SITE AND AND IS DEDINGTONE STRENGE ANY OF THE ITERS MENTIONED THAT AND DEDITED ONTO REMAIN CONCUMPY IN DADAMAYS. ULAR TRAFFIC SHALL BE COMPACTED TO ORK MAXIMUM DEDITY AT 4-75% OF OFTIMUM MOSTURE CONTENT ADDROXIMATE. ADJUST ORIVENAY LOCATION AND ELEVATIONS AS REQUIRED TO PELD CONDITIONS, PROOF ILISADE IN THE PELD TO TEST ALL AREAS AS REQUIRED TO ONE. INTUK COMENTION THE DEDING.						Architect - Pruthorme Design and Interiors Surveyor - High Country Surveying	
NE DRIVEWAY AREA WITH A SHEERS FOOT ROLLER. ALL SOFT SPOTS SHALL BE STABLIZED BY FUTHER D WITH CORRACTED. STRUCTURAL FILL MATERIAL. SINGH ELEVATIONS. THE BRADNO CONTRACTOR SHALL DEDUCT THE ADDROMINATE AMOUNT FOR THE SARY (MINIFUM OF 4") TO ERONOE ADEOLATE SUBGRADE FOR ROLOWAYS. IS SOON AS POSSIBLE AND ADDED TO AS REQUIRED TO CONTROL MUD. ACCORDANCE WITH THE LATEST REDUREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH TATED ON THIS PLAN ARE TO BE IMPLEMENTED THROUGH COMPLETION. E PROVIDED FOR ALL DISTURBED AREAS REPORT FINAL APPROVAL.				Owner	Dowd Montreat, LLC John Hennis	PIN: 0710-96-5982-00000	
RS, AND DITCHLINE SEE Peches TOTAL for entire p POSSIBLE ER 15 - APR 30 EPT. 1 - DCT. 31 TO SOIL TEST, OR APPL1 TO SOIL TEST, OR APPL1	DITCHLINE BREDING 1. GRADING CONTRACTOR IS RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS OF THE PROJECT. DTAL for antiny project 2. LOOSEN CONFACTED SUBGRADE AND UNCHANGED SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE STICKS, RCOTS, RUBBISH AND OTHER EXTRACEOUS MATTER AND LEGALL ISUMY THEM. RAVE OR OTHERWISE LUARLY SCAMPT SOM. SUFFACE TO ENSURE SEED TO SOM CONFART SOM. SUFFACE TO ENSURE SEED TO SOM CONFART SOM. SUFFACE TO ENSURE SEED TO SOM CONFART SOM. SUFFACE TO ENSURE SEED DEPTH SHALL BE KIPPED AND SPREAD WITH AVALABLE TOPSON. S' DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE KIPPED AND SPREAD WITH AVALABLE TOPSON. S' DEEP. SUFFACE FOR FRAM. SEEDBED PREPARATION, AT FINISH GRADES SHOWN. SHALL BE REASONABLY SMOOTH AND UNIFORM. BLE 1. APPLY SEED BY HYDROS SEEDING WERE POSSIBLE. ALLOW SEED APPLICATION TO DRY PRIOR TO MALCH APPLICATION TO REVERT RAVORE TO BE ST, OR APPLY 3,000 - 4. SURFACE WATER CONTROL MEASURES TO BE				Project:	Dowd Montreat, LLC	Town of Montreat, Bunoardie County, NC
A SUPALE HALONARD TO BE THE LOWER AT A SUPALE HALE HALE HALE HALE HALE HALE HALE H				Sheet:	Grading Plan		
GROU	ND ST		ZATION			en t	462.82
TE AREA DEBCRIPTION	STABLEAT	ON THE PRANE	STARLEATION THE PRA	NE EXCEPTIONS		e E E A	
NINGTER DRIES, ENGLISE, TOMES AND SLOPES	~	24/15	ACON		š	101	north of
RH BUALITY MATER Milit	~	041 8	NONE		ed B.	e a l l	Toom lie
CPES STREPEN THAN 3:1		24 K P	IF BLOMES AND INF OR LA AND AND NOT STREPEN		Designed By:		rt. hende 86 9992
OPER SH OR PLATTER		(DA)19	T DAYS FOR SLOPES GRU PRET BY LENGTH		å	S	P 828 6
LOTHERAMES WITH DEFERRATION AND SUBJECT FOR PRINTING AND BILIZATION = pavement, buildings, mulch, or wheat straw and is seeding, or fabric and rip rap to cover all dirt and urbed areas						D	1003 4th eve
TECTION NOTES							
0'	10'	20'		40'		FIGUF	RE
						C	
SCALE: 1" = 20'-0"							
SCAL	.E: 1" =	: 20'-0"				2	



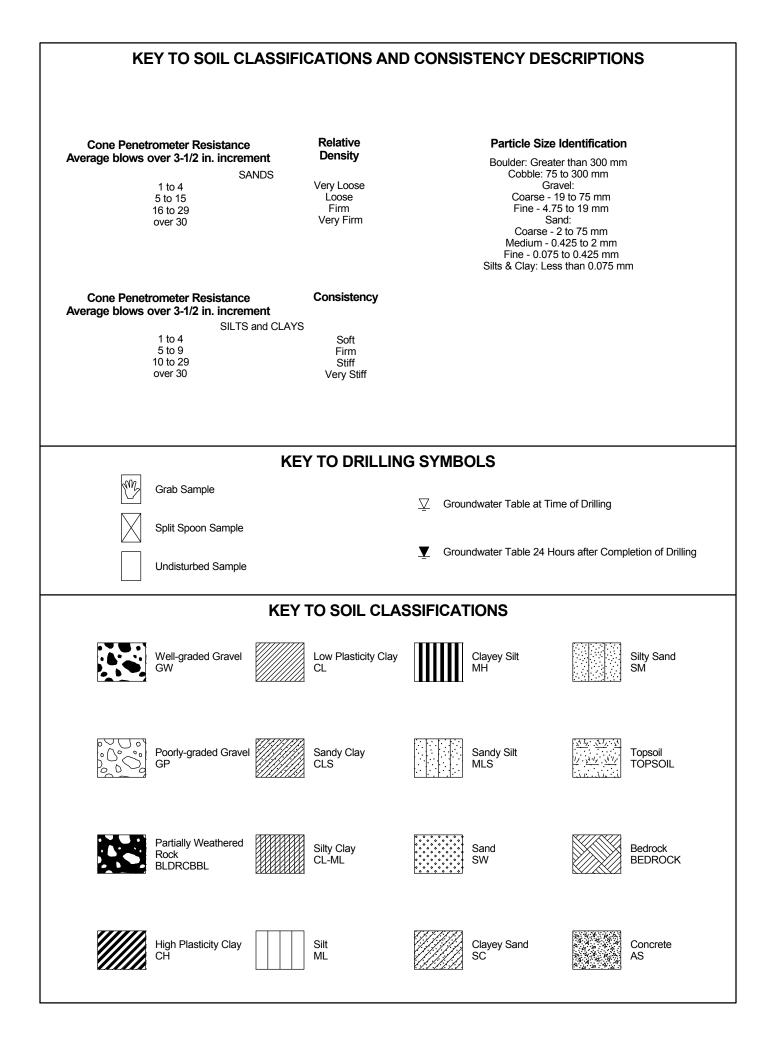


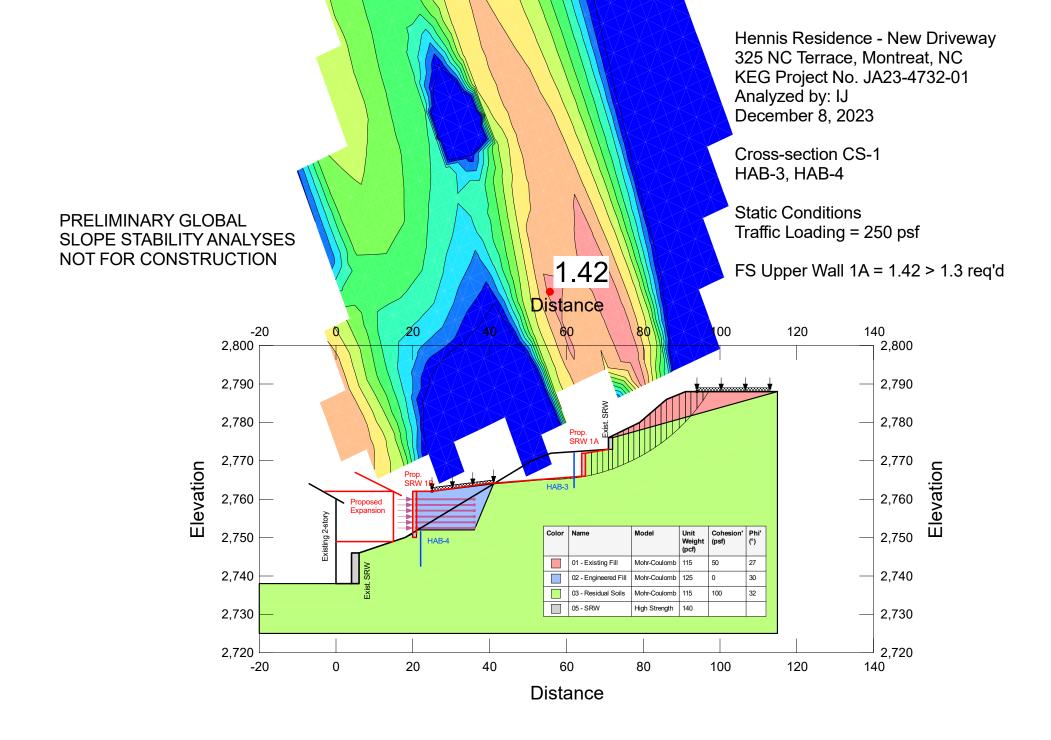
DRIVEWAY.GPJ KESSEL 4732-01 HENNIS RESIDENCE -BORING

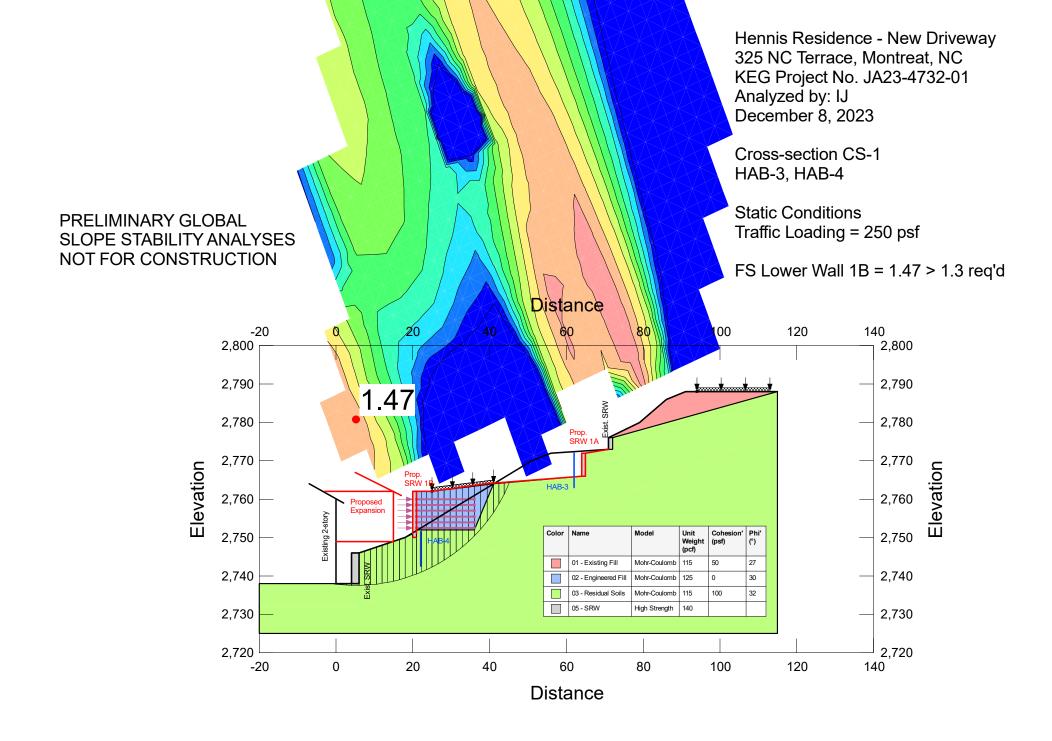
K	C I	E	5 5	6 E L	HAND AUGER BORIN PROJECT: Hennis Residence - Driveway							
									TART: <u>11-3</u>		11-30-23	
F	N (GII	VFF	ERING					ION: <u>277</u>			
					PERFORMED BY: KEG Representa			LOGGEI	DBY: <u>I.J</u>	lohnson		
	3	R	Ο	UΡ								
					DEPTH TO - WATER> INITIAL 🗵	AFT	ER 24	HOURS:	CA	VING> XXX _		
	EVAT EPTH	(FT)			DESCRIPTION	SOIL TYPE			E PENETRA WS/1-3/4 inc 5,0 7,5 10.0	ches		
	-		Appr	oximately 12-	nches GRAVEL and TOPSOIL			-		12.0 10.0 11.0	20.0 22.5	
27	72-	-2	Very Medii	Loose and Lo um SAND with	ose, Brown, Slightly Moist, Silty, Fine n Trace Organics (Fill)	<u>v v v v</u> <u>v v v v</u> to	11 9 11	n = 10	•			
27	70	-4					333	n = 3				
12/6/23	- 	-6	Loos	e to Very Firm) with Trace N	n, Reddish Brown, Silty, Fine to Mediur lica (Residuum)	n	7 7 6 15 18	n = 6	•			
. I	66	-8	Hand	auger boring	terminated at 9.0 feet. No groundwate	 A 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	11	n = 14				
EWAY.GPJ K	64-	-10	enco	untered at tim	e of boring.							
HAND AUGER BORING 4732-01 HENNIS RESIDENCE - DRIVEWAY GPJ KESSEL GROUP.GDT L L L L L L L L L L		-12										
AND AUGER BORING	offse	et req	uired d	ue to shallow	refusal.				JGER BO		. HAB-3 1 of 1	

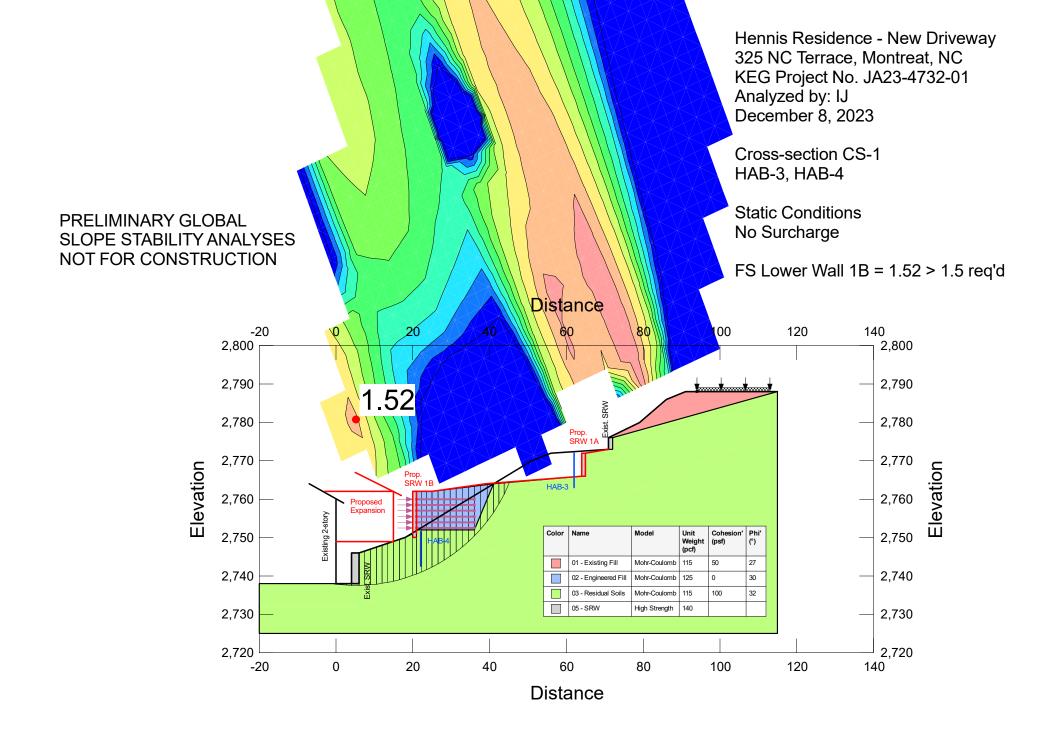


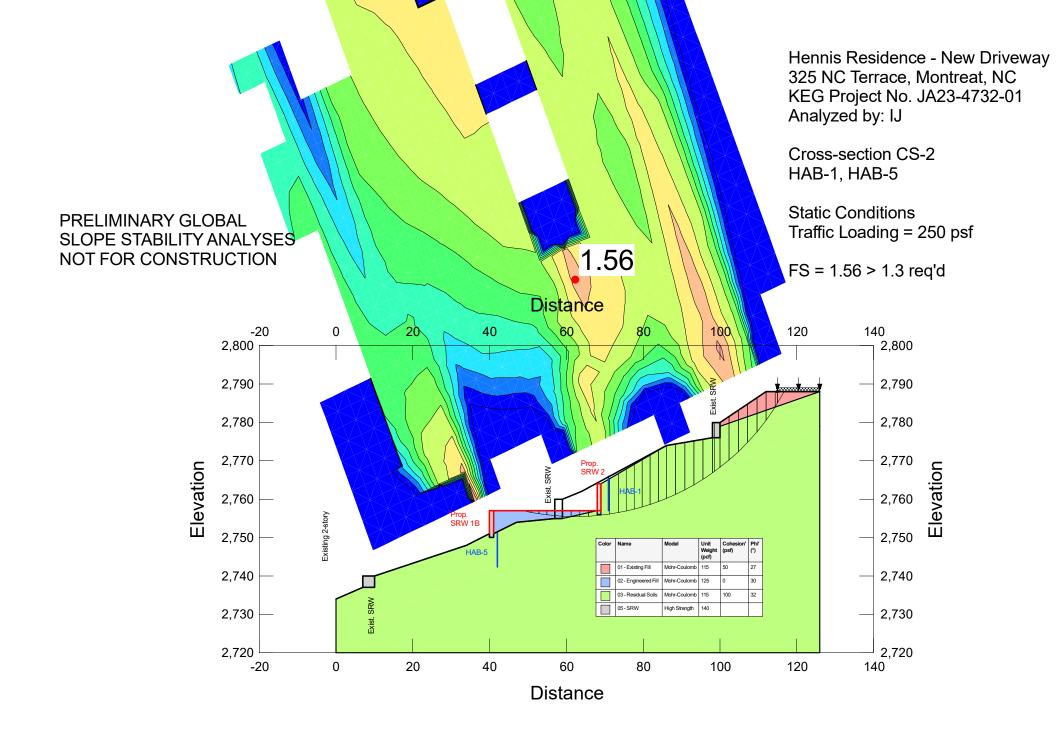
K	E	SSEL	HAND AL PROJECT: <u>Hennis Residence - Driv</u>							
					DATE START: <u>12-1-23</u> END: <u>12-1-23</u>					
		NEERING	LOCATION: See Figure 2			EL	EVATION:	2752 (fe	eet)	
	NGH	NEERING	PERFORMED BY: KEG Representation	tatives LOGGED BY: I. Johnson						
G	R	OUP	DRILLING EQUIPMENT: <u>Hand Auge</u>	r						
			DEPTH TO - WATER> INITIAL☑	AF	TER 24	HOURS:	¥		≫₩	
	VATION/ PTH (FT)		DESCRIPTION	SOIL TYPE	SAMPLES	DYNAMIC		3/4 inches	I RESULTS 15.0 17.5 20.0	
	_	Approximately 8-In	ches TOPSOIL	<u>x11/</u> <u>x11/</u>			<u> </u>			
	-		wn, Sandy SILT (Residuum)		8 7 7	n = 7				
275	502	Loose, Reddish Br	own, Silty, Fine SAND with Trace Mica		10 12 16	n = 14		•		
274	₩84 				17 14 17	n = 15			•	
274	166 - - - - -	Very Firm, Brown, Medium SAND	Slightly Micaceous, Silty, Fine to		≖ 25/1	n = 25/1				
	44	Hand auger refusa groundwater enco	l encountered at 7.5 feet. No untered at time of boring.		25/.75	n = 25/.75				
4732-01 HENNIS RESIDENCE - DRIVEWAY GPJ KESSEL GROUP GDT 4732-01 HENNIS RESIDENCE - DRIVEWAY GPJ KESSEL GROUP GDT 4732-01 HENNIS RESIDENCE - DRIVEWAY GPJ KESSEL GROUP GDT	2-10 - - - -					-				
	10					· · · · · · · · · · · · · · · · · · ·				
HAND AUGER BORING				-	· ·	HAN	ID AUGE		NG NO. H Sheet 1	

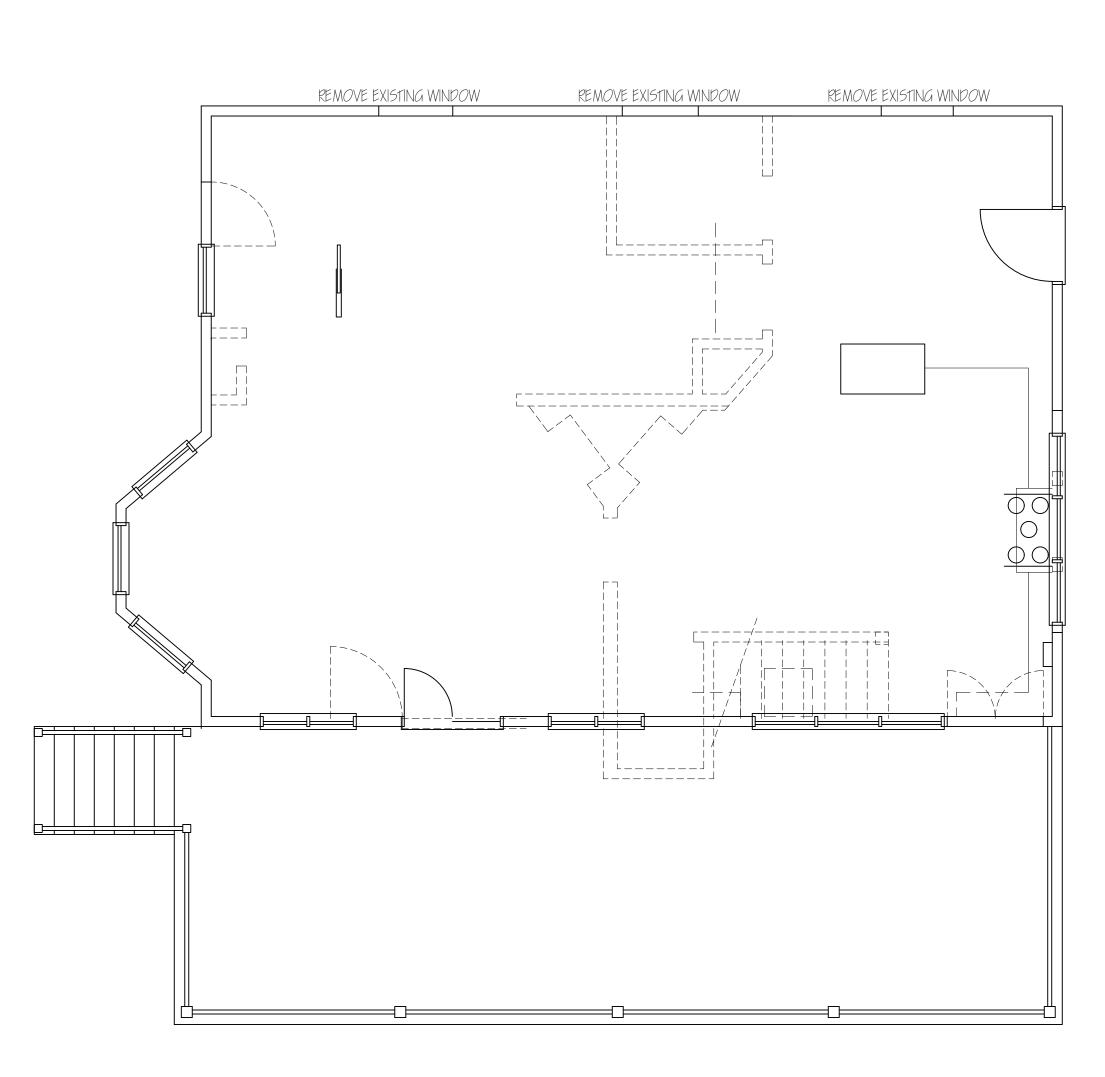








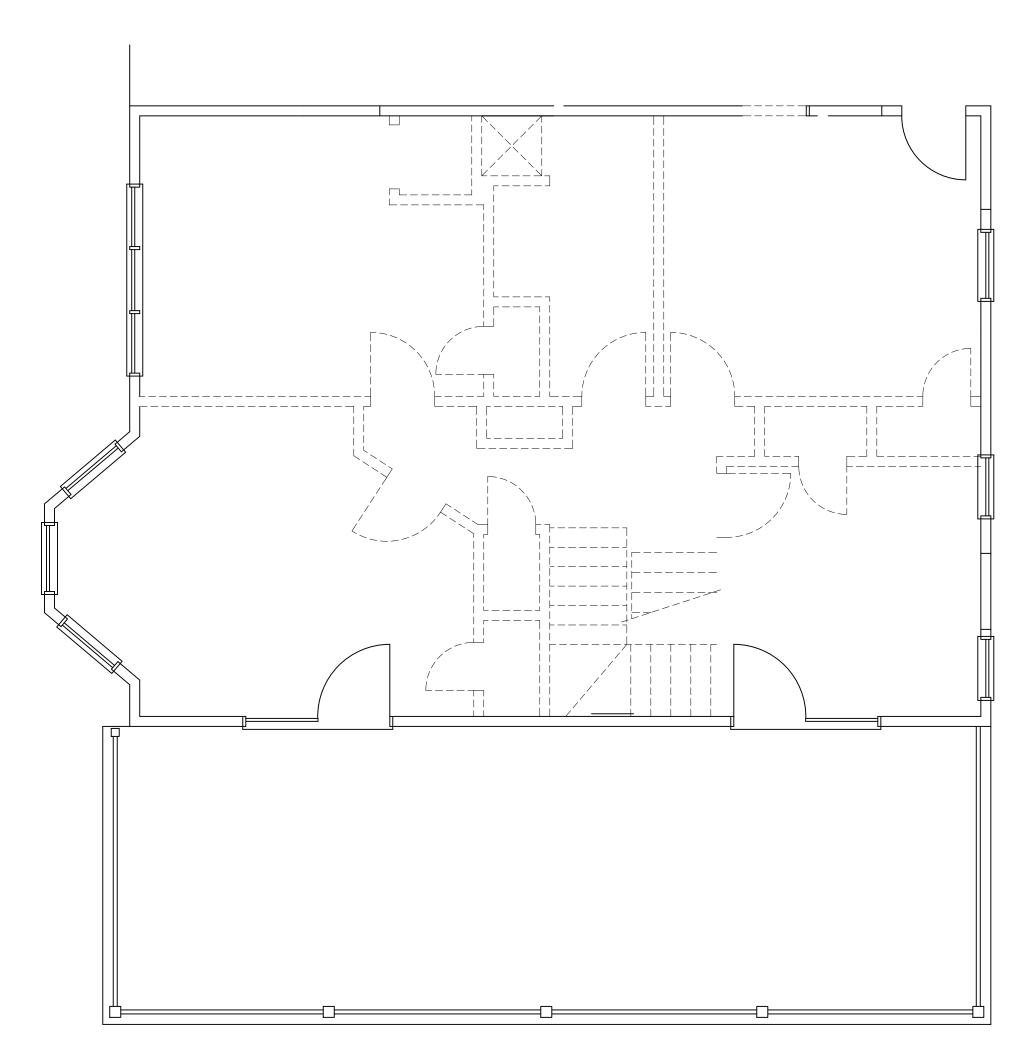




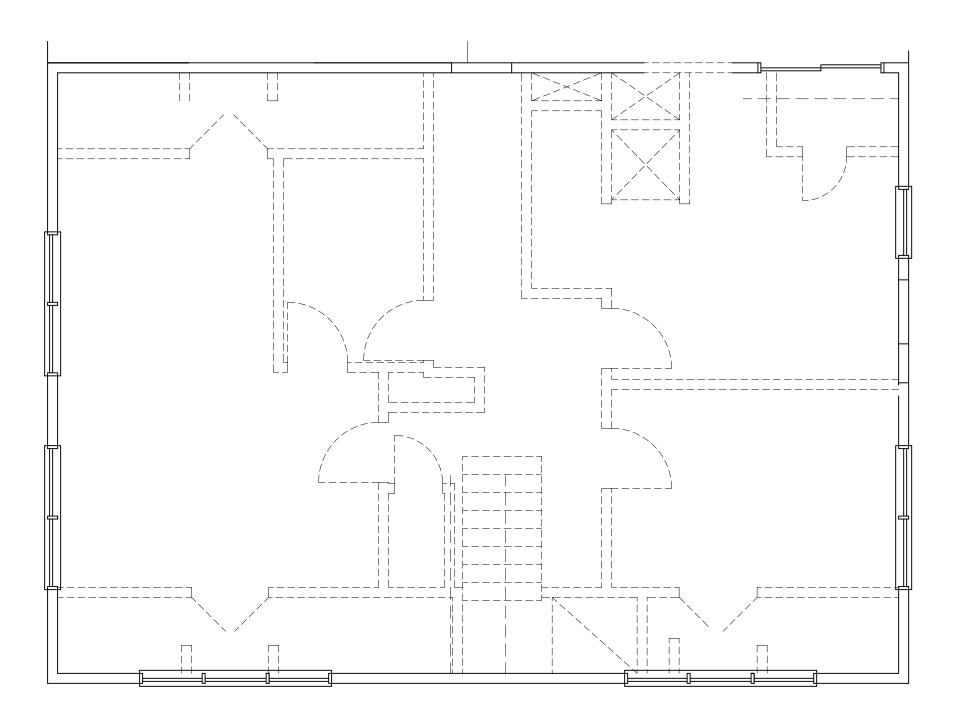
RETAINING WALL

MAIN LEVEL DEMO PLAN

SCALE | / 4 = | '-0''

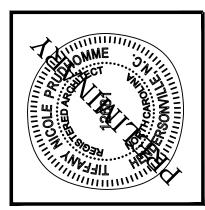


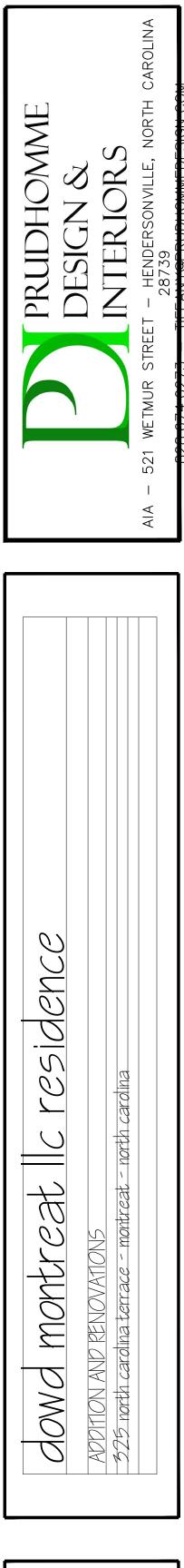
2ND FLOOR DEMO PLAN



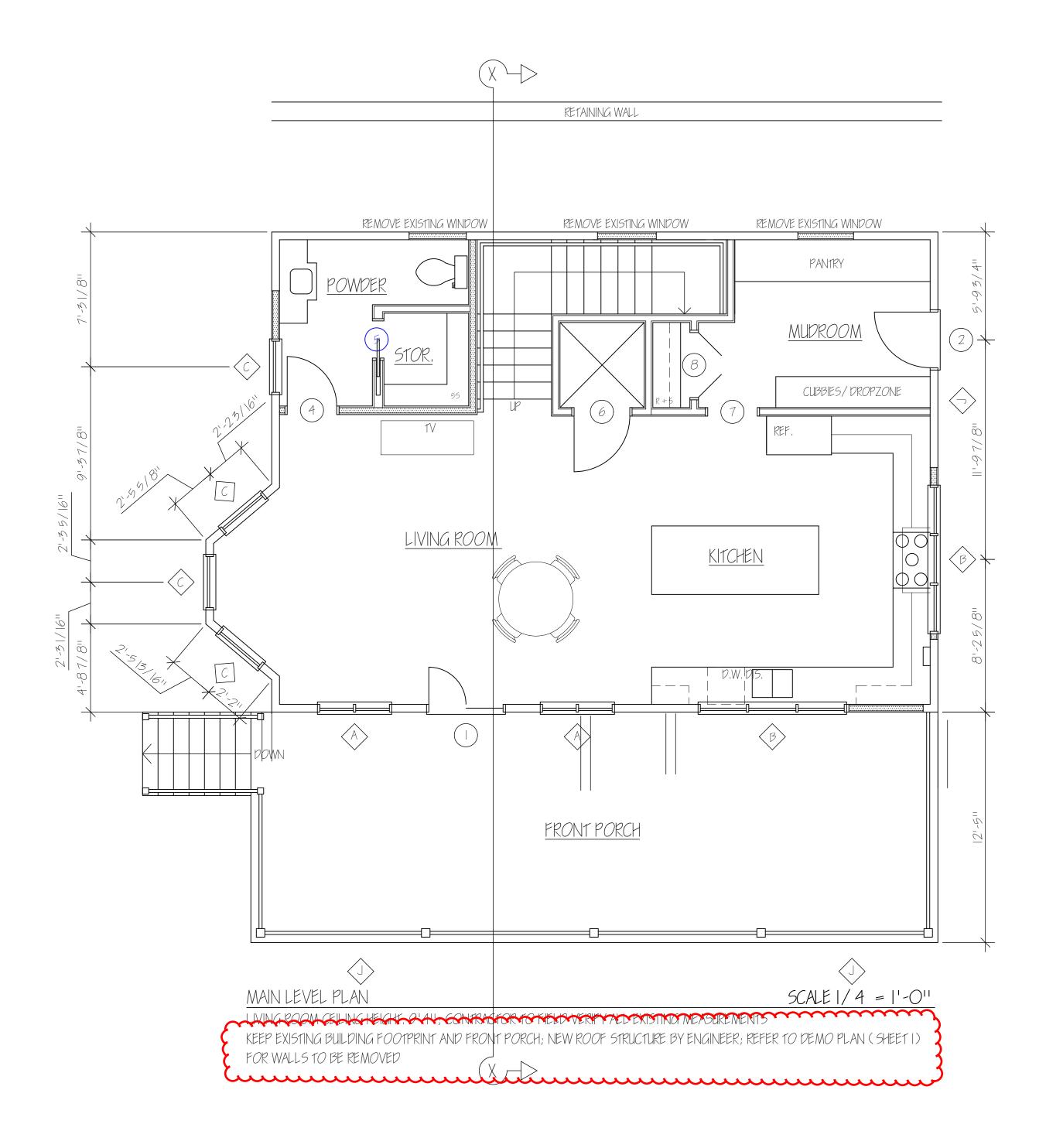
SCALE | / 4 = | '-0 ''

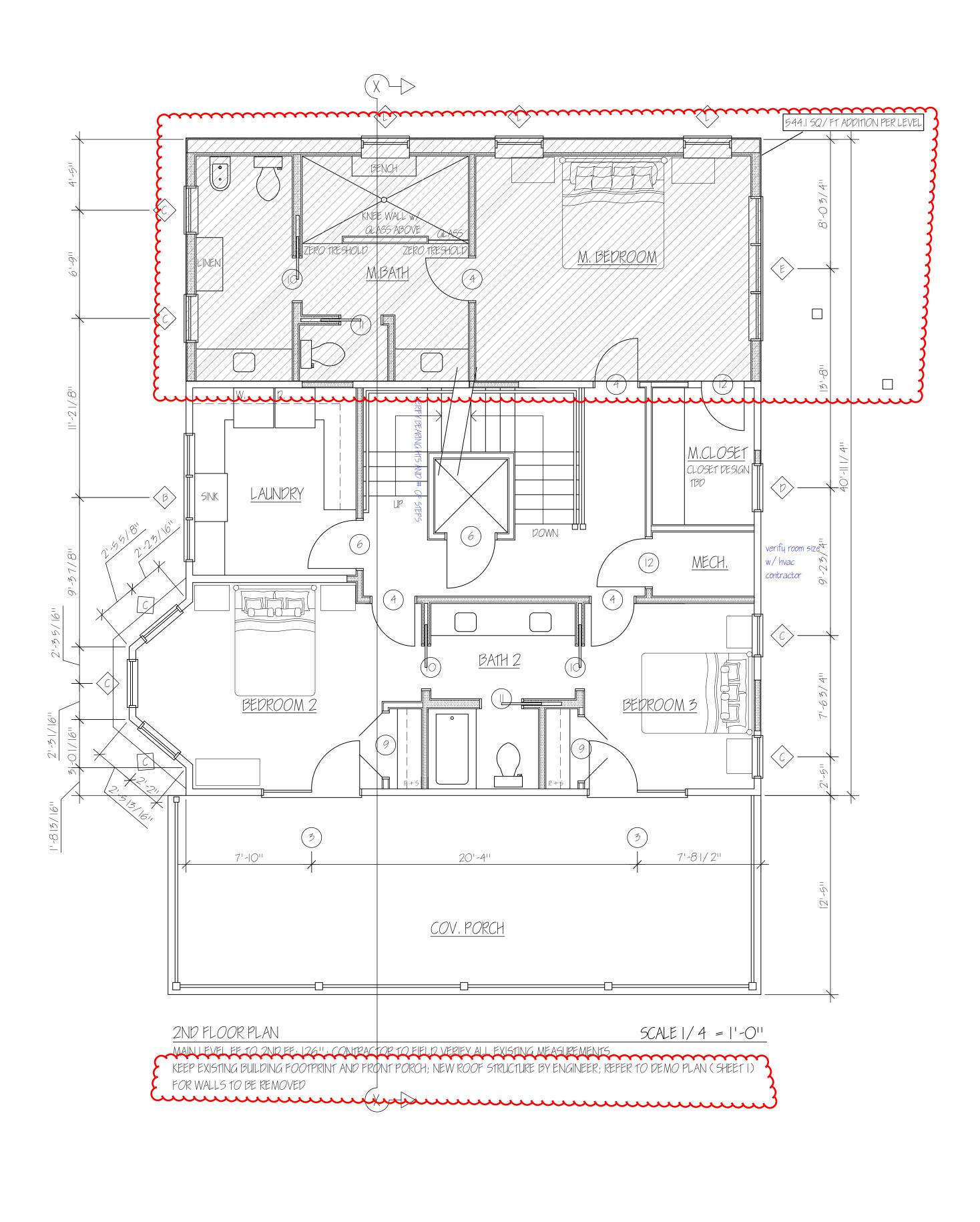
SCALE | / 4 = | '-0 | '

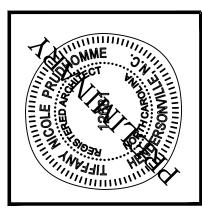


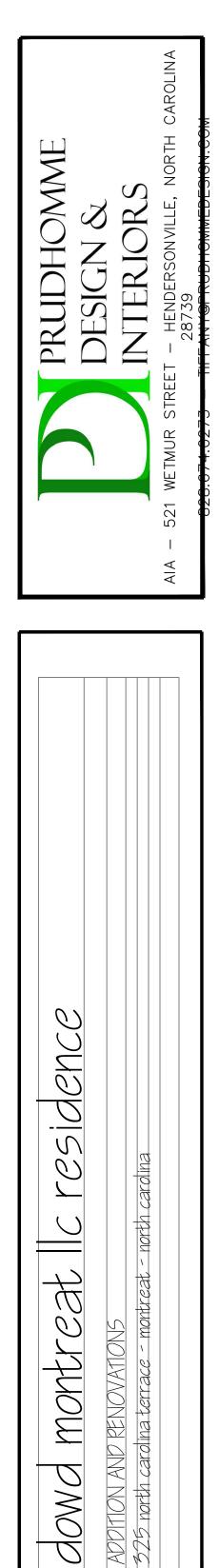


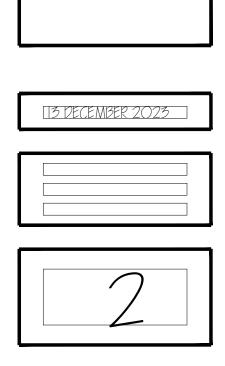
13 DECEMBER 2023





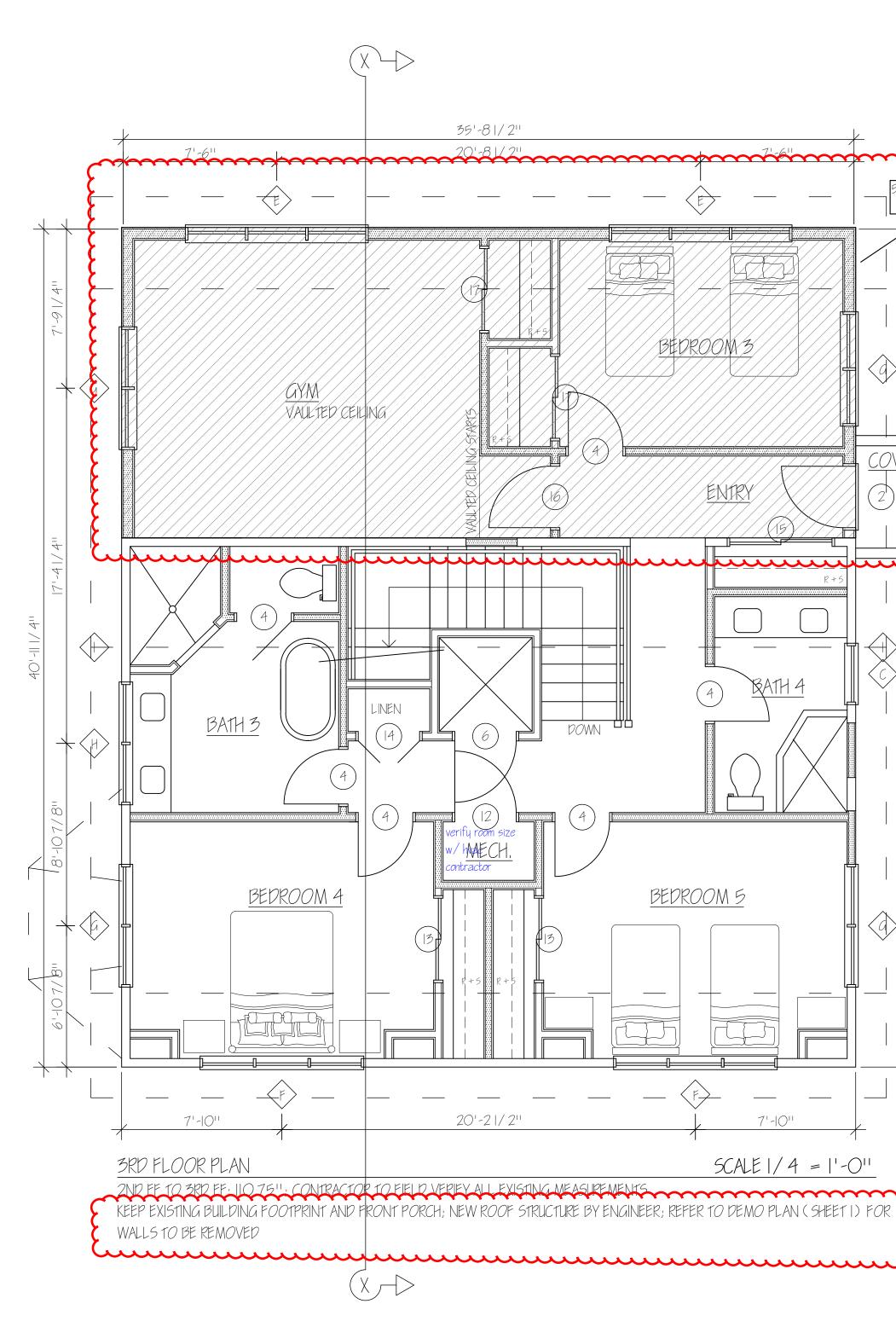


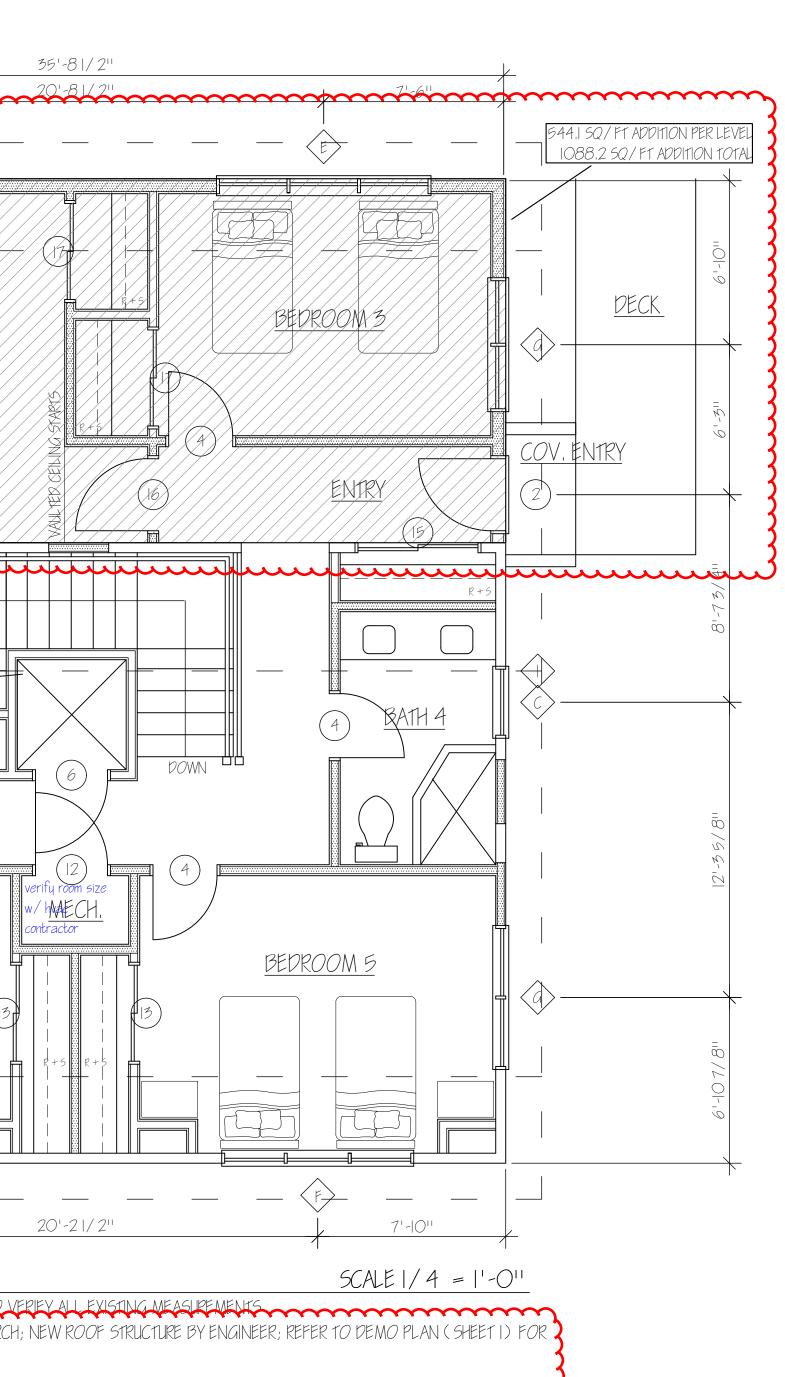


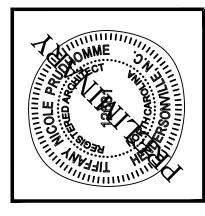


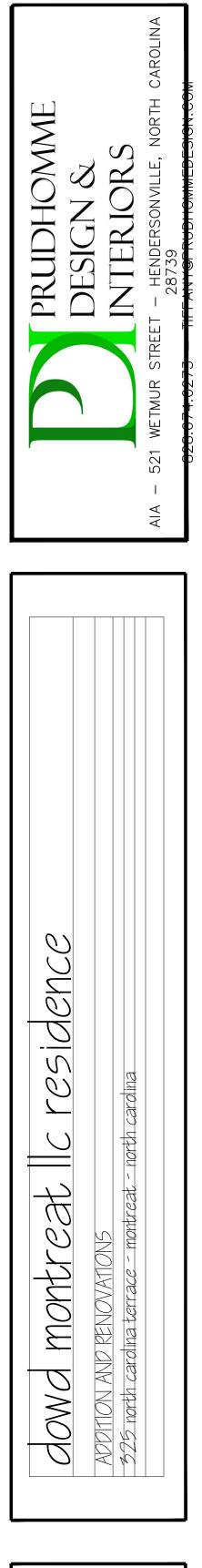
 $\left\{ \right\}$

MK	W	Н	ſ	DESCRIPTION	DR FIN	FR FIN	HARDWARE	REMARKS
	4-0	7-0	1-3/4	3/4 GLASS w/ 8-LITE DIVISIONS	EXT. CLAD	EXT, CLAD	ENTRY w/ DB	
2	3-0	11	11	П	П	11	П	
3	6-0	11	11	11	11	11	INTEGRAL w/ DB	
4	2-8	6-8	1-3/8	2 PANEL	PAINT	PAINT	PRIVACY	
5	2-0	П	11	2 PANEL POCKET	11	11	POCKET	
6	3-0	П	11	2 PANEL ELEVATOR		11	PASSAGE	
7	2-8	П	11	CASED OPENING	N/A	11	N/A	
8	3-6	П	11	2 PANEL DOUBLE DOOR	PAINT	11	DUMMY	
9	4-0	П	11	11	11	11	П	
10	2-8	П	11	2 PANEL POCKET		11	PRIVACY	
	2-6	П	11	11		11	11	
12	3-0	П	11	2 PANEL		11	PASSAGE	
3	4-0	П	11	2 PANEL DOUBLE		11	DUMMY	
4	3-0	П	11	11	11	11	11	
15	5-0	П	11	11		11	11	
6	3-0	П	11	2 PANEL		11	PRIVACY	
17	4-0	Ш	11	2 PANEL DOUBLE		11	DUMMY	
18	18-0	8-0	- /8	GARAGE DOOR w/ 8-LITE TRANSOM	11	11	INTEGRAL w/ DB	
A	4-0	5-6		CASEMENT DOUBLE 6-LITE	EXT, CLAD	EXT. CLAD		
В	8-0	4-0		CASEMENT TRIPLE 4-LITE	11	П		
С	3-0	5-0		CASEMENT SINGLE 6-LITE	П	П		
D	3-0	3-0		FIXED SINGLE 4-LITE	П	П		
E	9-0	5-0		CASEMENT TRIPLE 6-LITE	П	11		
F	8-0	4-10		CASEMENT TRIPLE 6-LITE	П	11		
G	6-0	5-0		CASEMENT DOUBLE 6-LITE	П	П		
Н	6-0	1-6		CASEMENT DOUBLE 6-LITE	11	11		
	2-6	3-6		FIXED SINGLE	П	11		
J	3-0	3-10		DOUBLE HUNG SINGLE 6-LITE	П	11		
Κ	3-0			FIXED TRANSOM	П	11		
L	3-0	1-8		FIXED	П	11		
Μ	3-0	3-0		FIXED	11	11		

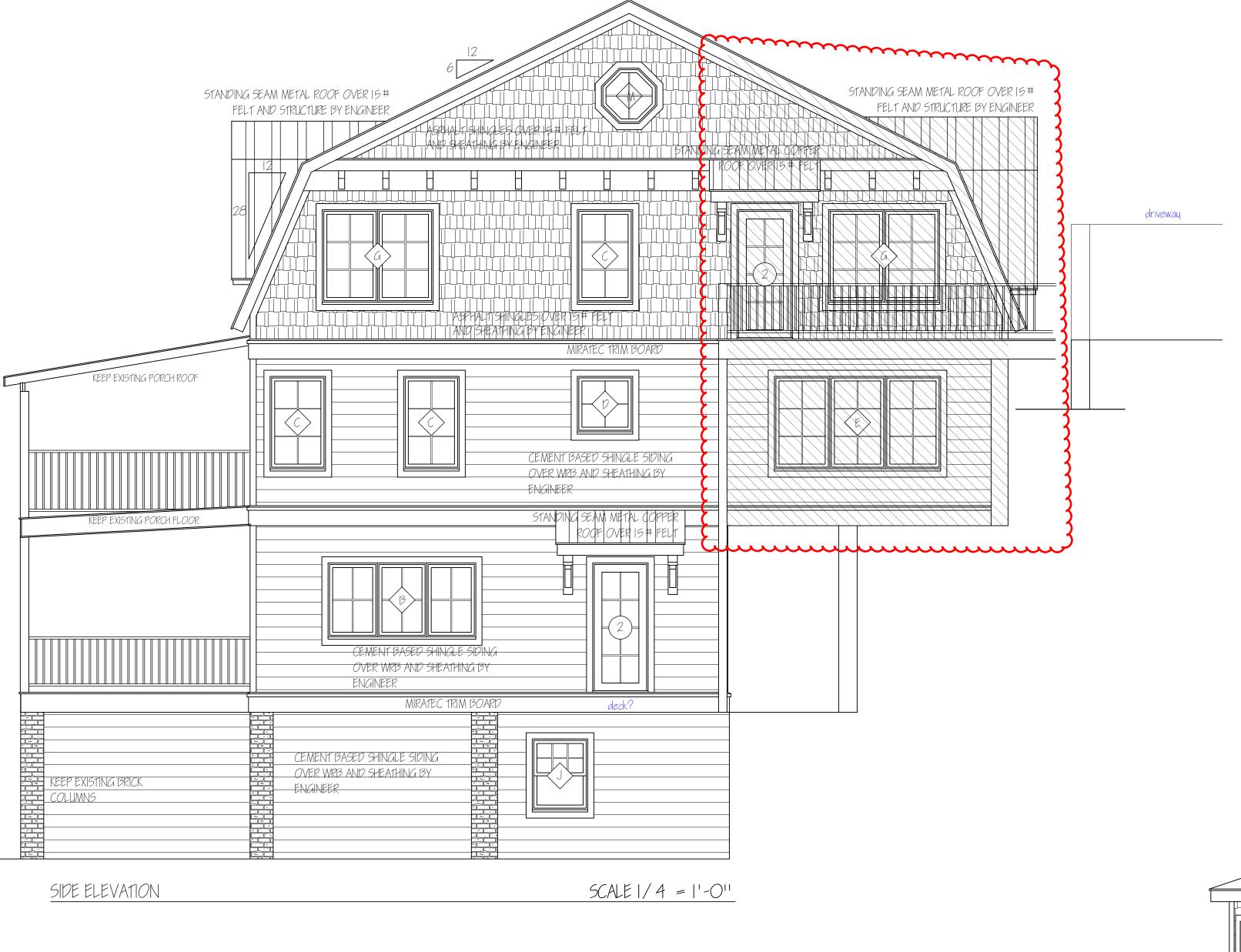




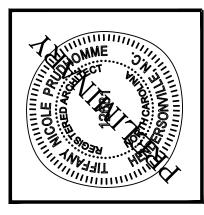




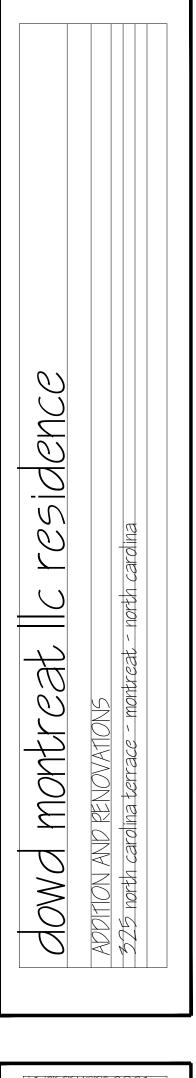
113 DECEMBER 20)23
5	

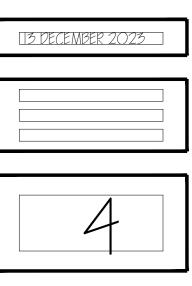


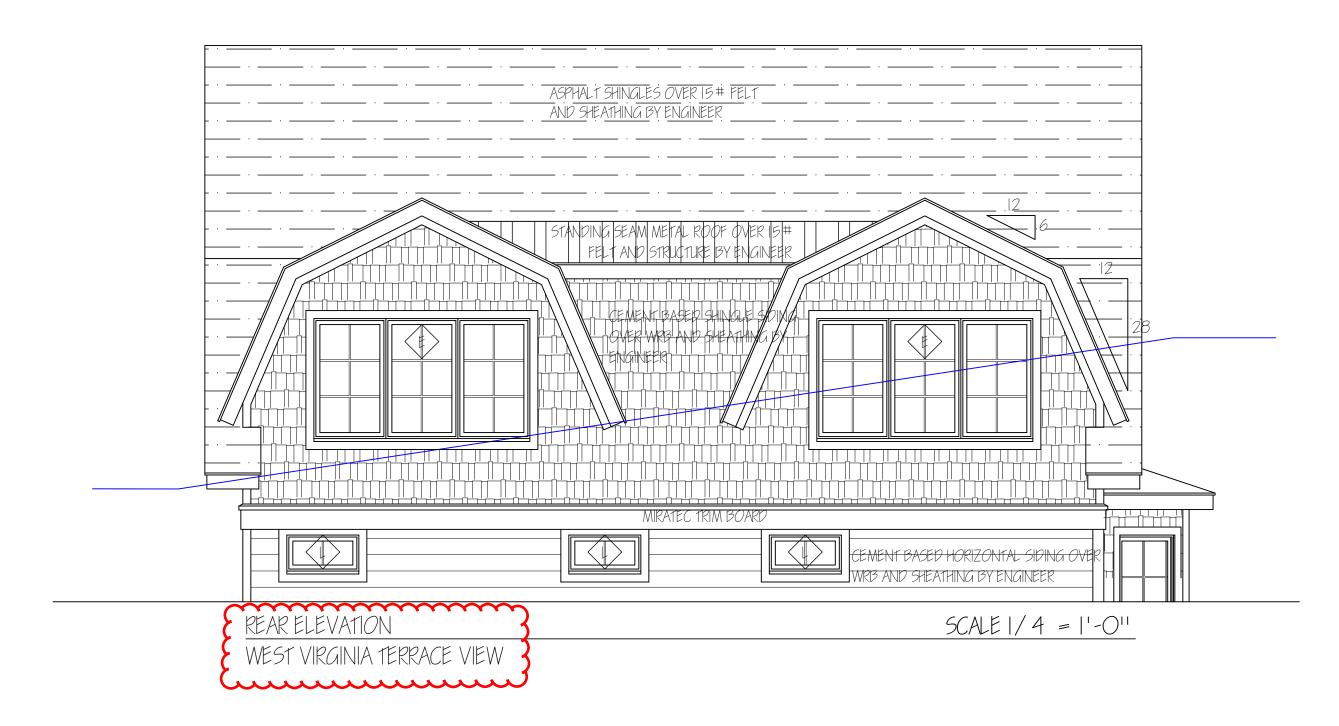






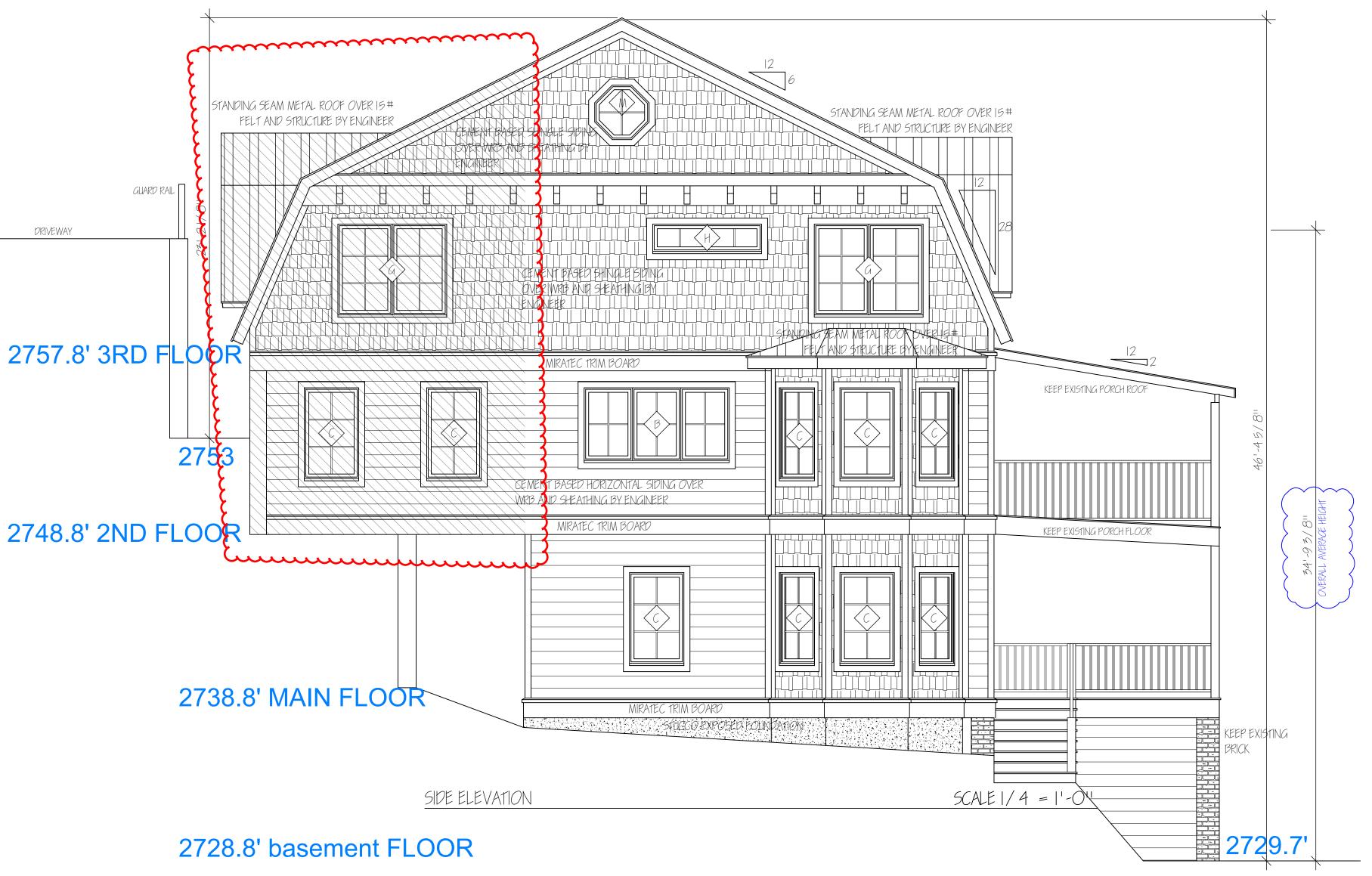




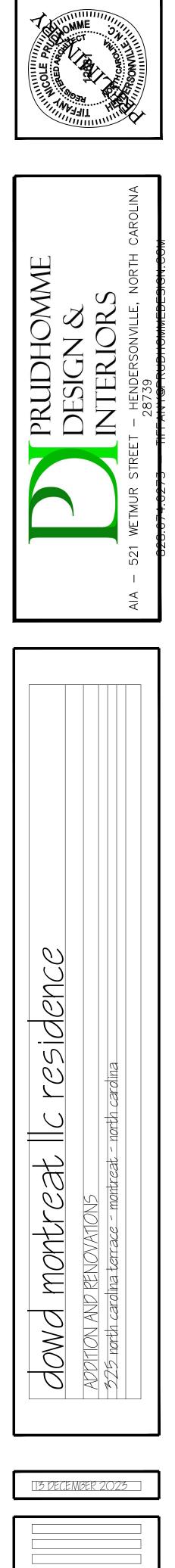


2748.8' 2ND FLOOR

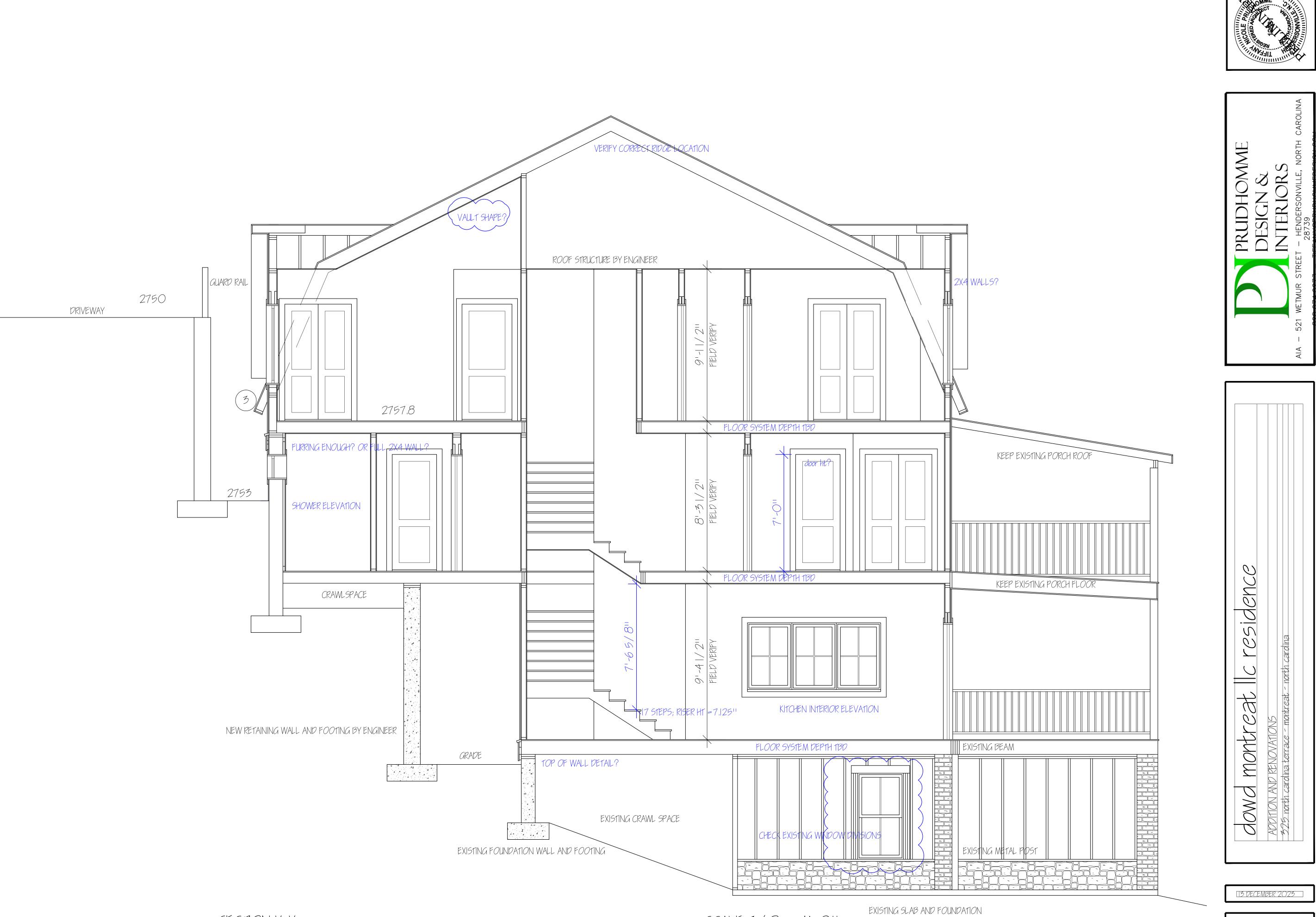
DRIVEWAY







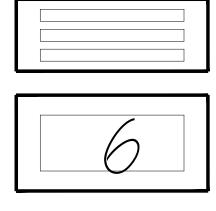
5	
_	

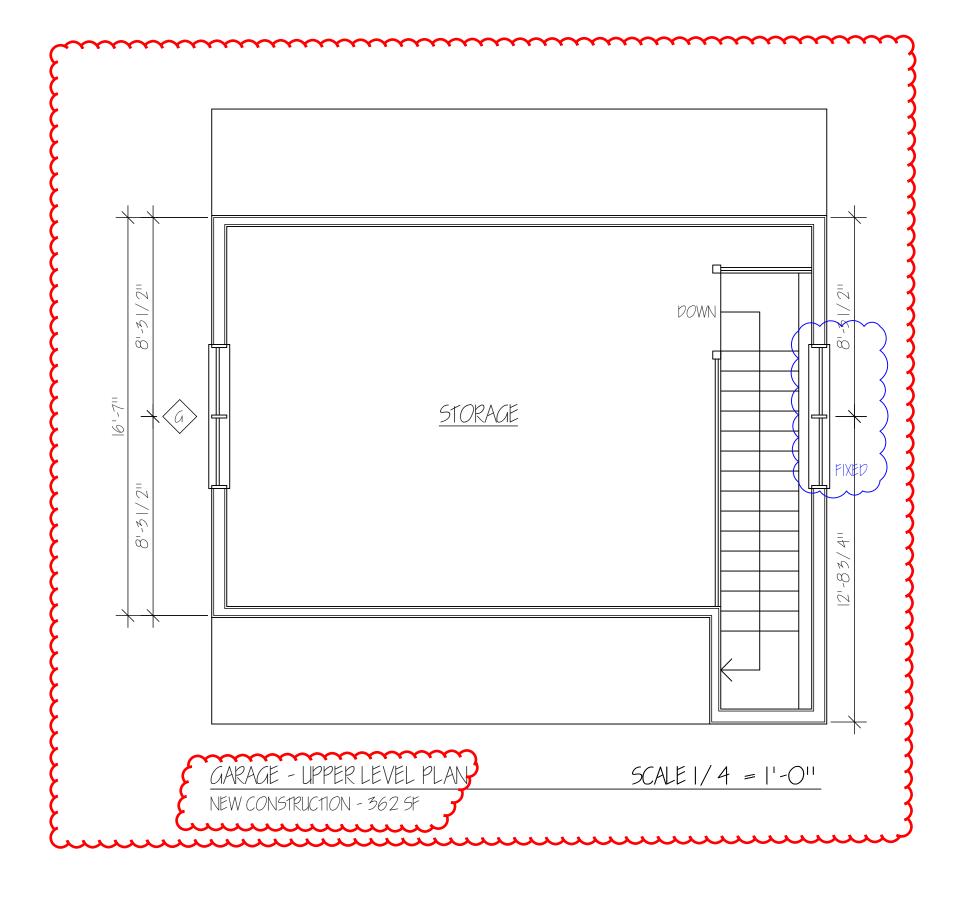


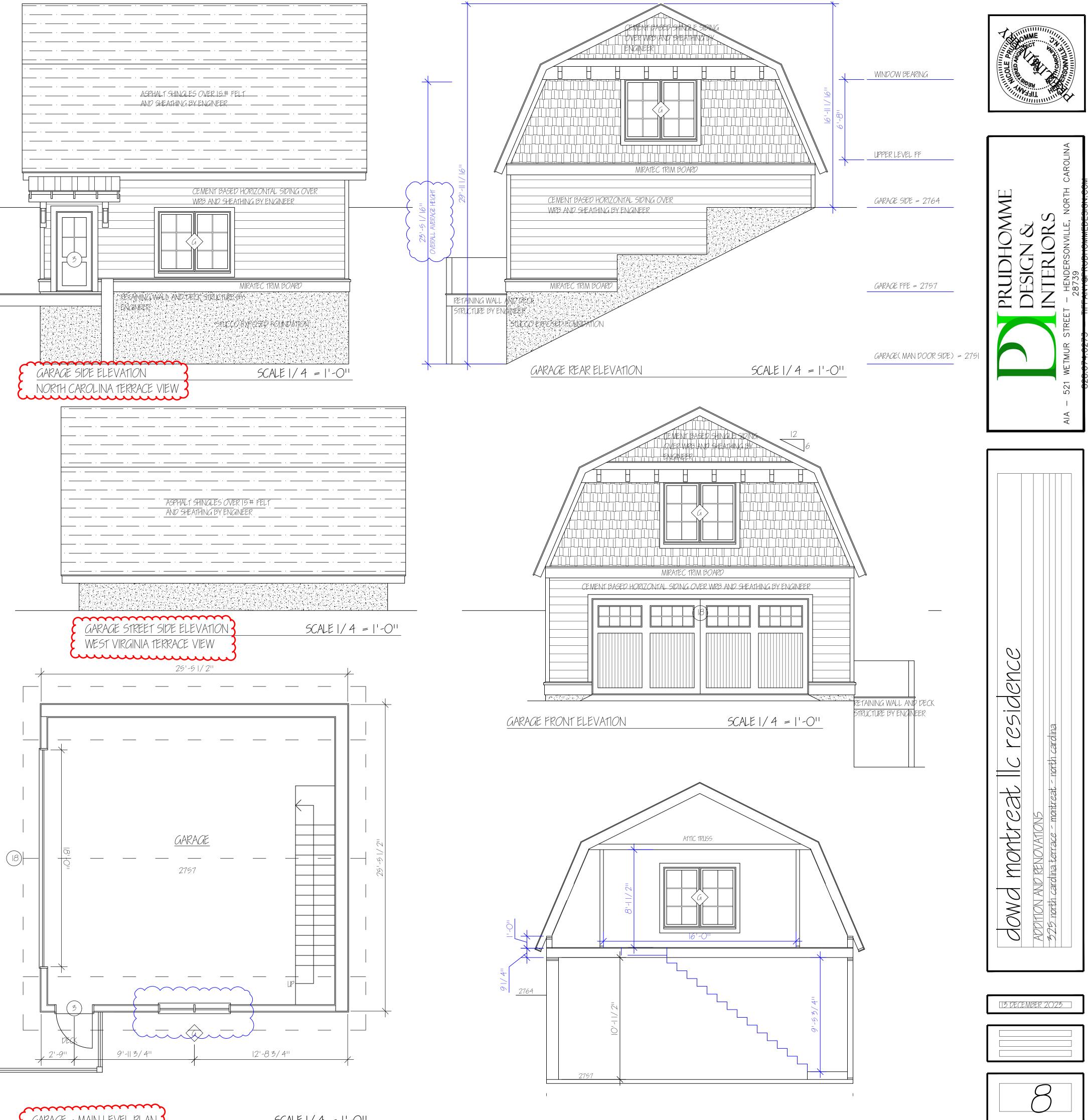


CONTRACTOR TO FIELD VERIFY ALL EXISTING MEASUREMENTS

SCALE 3/8 = |'-0"





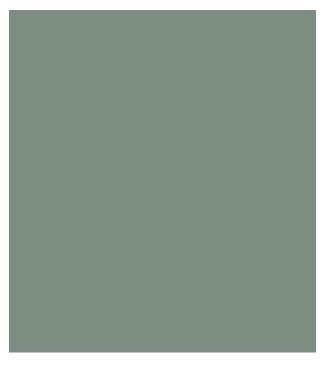


GARAGE - MAIN LEVEL PLAN NEW CONSTRUCTION - 648 SF

Exterior Colors- 325 North Carolina Terrace



Sample elevation



Main House Color: Benjamin Moore-Garden Green 699. LRV 25

https://www.benjaminmoore.com/en-us/paint-colors/color/699/garden-oasis



BURNISHED SLATE 🔹 📕

Metal Roof Color (House trim to match): Appalachian Metal, Burnished Slate. LRV 10.57

https://kpa3c3.p3cdn1.secureserver.net/wp-content/uploads/2023/10/Appalachian-Metal-Sales-Color-Chart.pdf



Shingles: Nichiha, Sierra Premium Shake-Prefinished Maple

https://www.nichiha.com/products/premium-plank-siding?colors=Light-Brown



Exterior Window Finish: Andersen Windows, Terratone finish. LRV 14.93

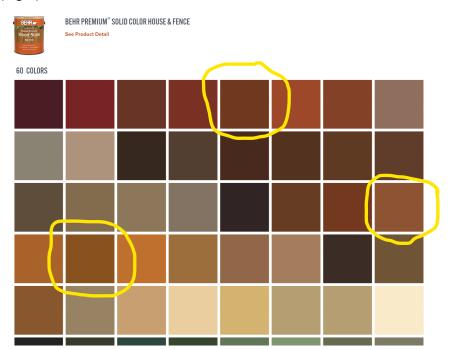
Alternate shingle stain colors below:

https://www.behr.com/consumer/colors/wood-stain/explore/solid-color

(Top) California Rustic SC -130 LRV 12.64

(Left) Curry SC-134 LRV 20.14

(Right)Redwood Naturaltone SC-122 LRV 15.74

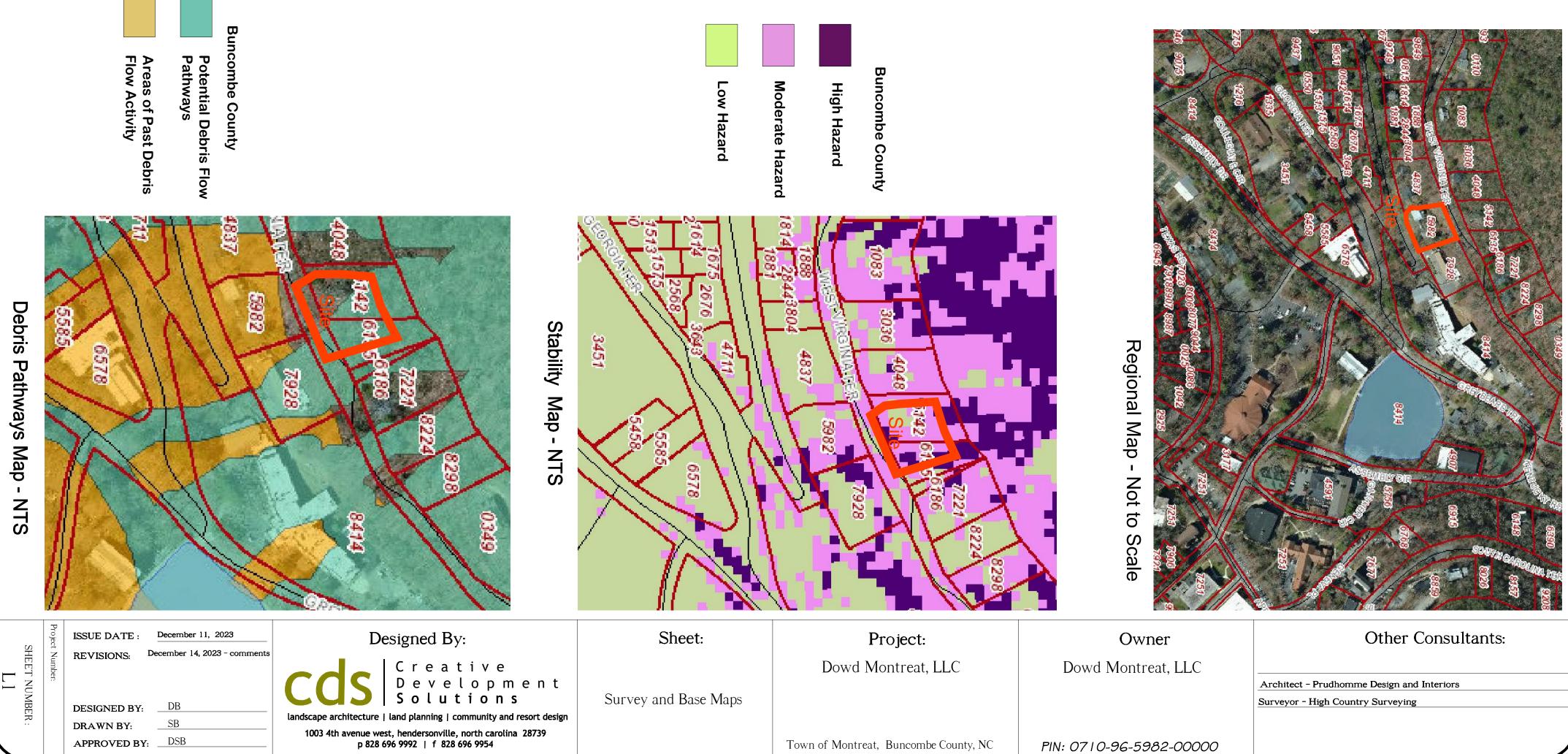


Aerial Map - NTS		SCALE : 1" = 20"
	/ors 80' 120'	by High Country Survey 20' 40'
	DRAWING NO. 2022-00	TLE 2015-192.crd
NAD 83 (2011) COORDS. NAT E=1016142.85 C. FACT. = 0.99978088	218, PAGE 213, PAGE 213, PAGE 213, PAGE 16, PAGE 16, PAGE	
N.G.S "MONTREAT"	phic Survey for: ^ C OL t, LLC 96-5982 wombe County, NC February 17, 2022	Boundary and Topographic Si DOWd MONTPEQt P.I.N. 0710-96-598. Town of Montreat, Buncombe 1 inch = 20' ft. 20' 0 10' 20' 40'
47.06 47.06 47.06 10 IPF 12 10 IPF 73.16.12 10 The: S 73.16.12 10 The: S 73.16.12 10 The: S 73.16.12	3,4" IPF Tie: 0	
Sisting walls to remain 307 B. 16, P. Existing Hole porches to D.B. 5736, P. 178 D.B. 5736, P. 178 <td>P.B. 16, P. 95</td> <td>P.B. 16. P. 95</td>	P.B. 16, P. 95	P.B. 16. P. 95
o gravel drive rame garage th and walls		#5 RBF N 78°30'17" E 61.53 #
		LOCATION MAP
TREE L-2996, DN FEBRUARY 17, 2022. THIS BE CONSIDERED A CERTIFIED DOCUMENT. HIX HI MAP MA NRD ND POP PO	THIS DOCUMENT ORI JOHN M. STOLLERY, L-2 MEDIA SHALL NOT BE (AND ROAD BOOK FRALE

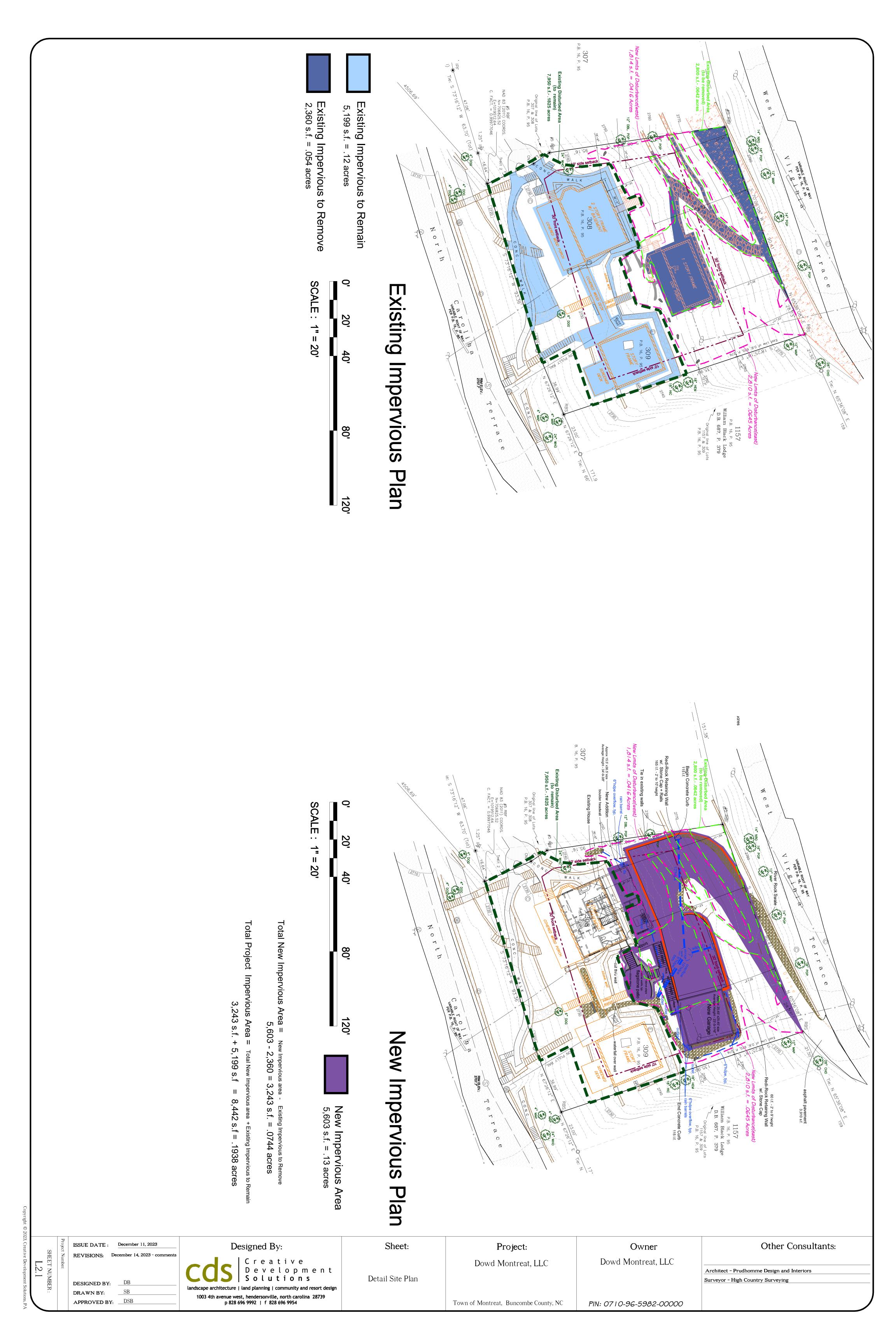


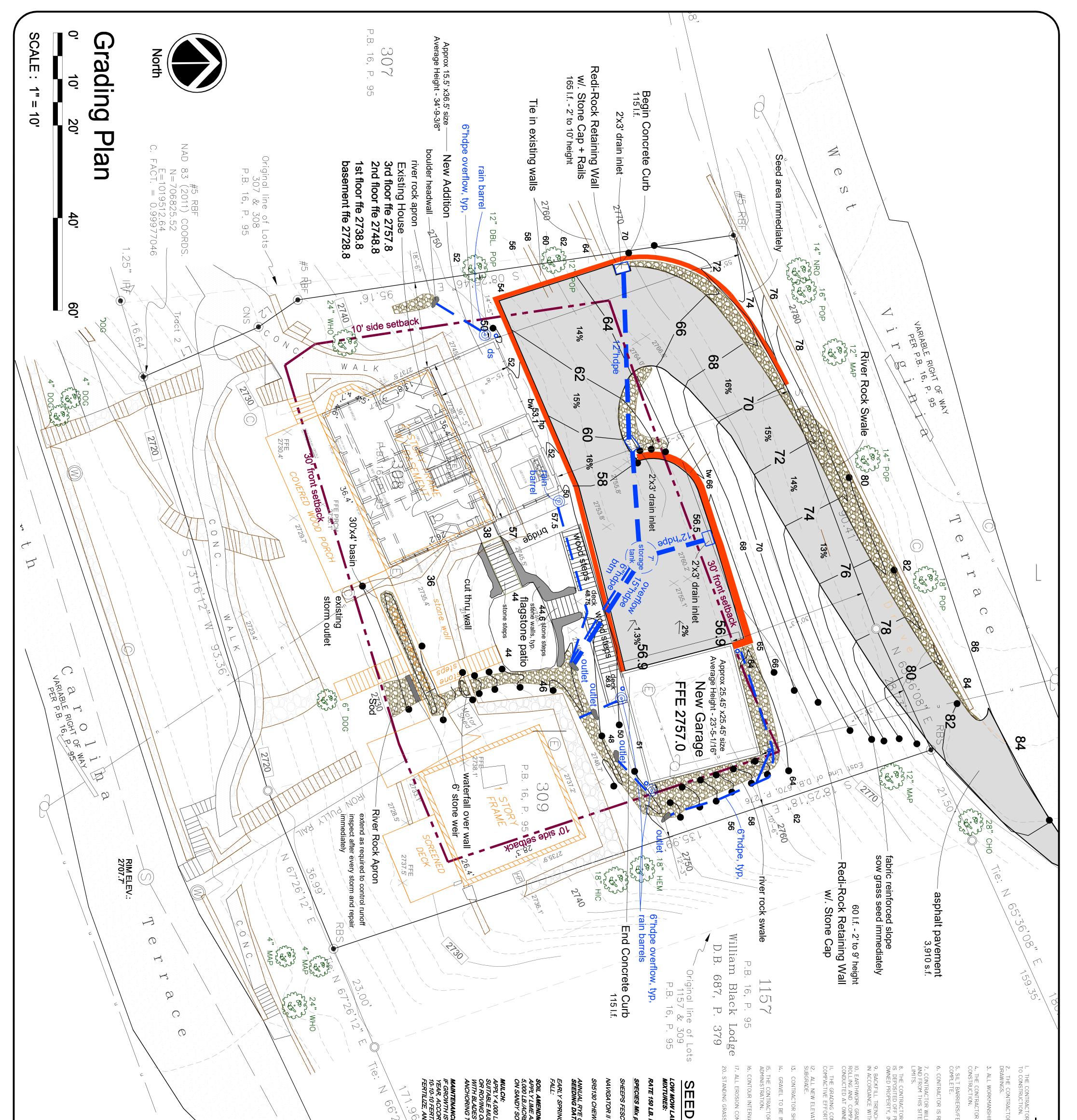












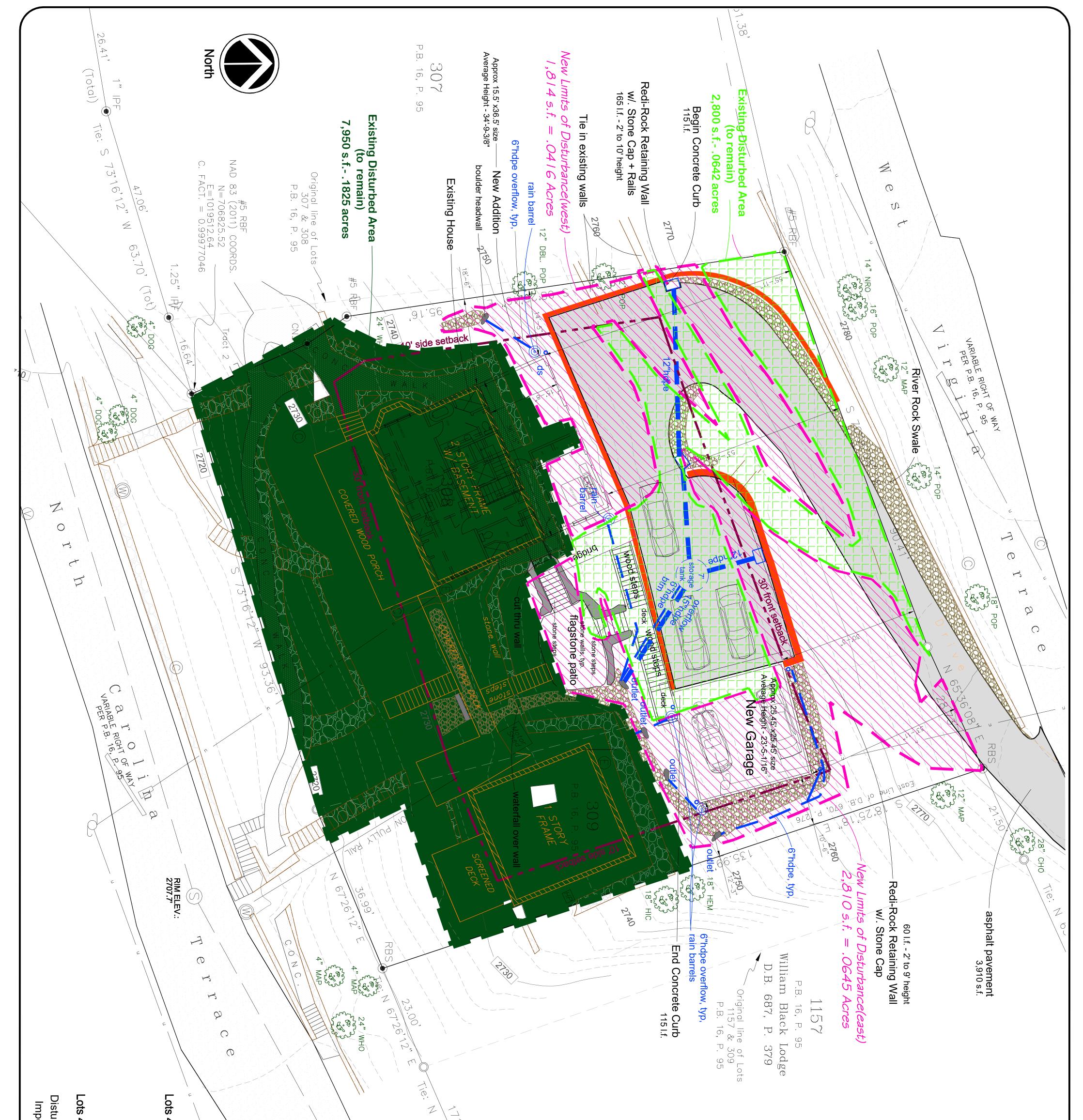
TREES TO REMAIN NOT IN LIMITS OF DISTU I. ALL TREES, UNDERSTORY AND OTHER VEGETATION TO REMINJURY DURING ANY LAND CLEARING AND CONSTRUCTION PROC 2. THE CONTRACTOR SHALL NOT PARK VEHICLES, STORE MAT WITHIN BARRIERS PROTECTING ANY VEGETATION TO REMAIN. 3. THE CONTRACTOR SHALL NOT CAUSE OR ALLOW THE CLE PAINTS, SOLVENTS, ASPHALT, CONCRETE, OR ANY MATERIAL OF PROTECTED VEGETATION.	STE AREA DESCRIPTION STABILIZA TION STABILIZA TION STABILIZA TION STABILIZA TION STABILIZA TION PROVEM	TE GROUND AGRICUL TURAL LIMESTONE (USE THE LOWER RA DILS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS! AND 1,000 LB./ACRE 10-10-10 FERTILIZER. DILS! AND 1,000 LB./ACRE 10-10-10 FERTILIZER ILCH. ANCHOR STRAW OR EQUIVALENT COVER OF ANOTHEI ILCH. ANCHOR STRAW BY TACKING WITH ASPHAL T, NETTING, NR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK S SET NEARLY STRAIGHT CAN BE USED AS A MULCH TOOL. S LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND RDING TO THE SOIL TESTS OR TOP DRESS WITH 500 LB./ACRE TILIZER. MOW AS NEEDED TO A 6" MINIMUM HEIGHT. RESEED ND MULCH DAMAGED AREAS IMMEDIATELY.	IFICALIONS LDERS, AND DITCHLINE SEE IV.3 acres TOTAL for entire p IV.3 acres TOTAL for entire p IV.50% FEB. 15 - APR. 30 SEPT. 1 - OCT. 31	INTRACTOR SHALL PROOF ROLL THE DRIVEWAY AREA WITH A SHE T OR UNDERCUT AND BACK FILLED WITH COMPACTED STRUCTURAL TIONS SHOWN ARE APPROXIMATE FINISH ELEVATIONS. THE GRADII HALL REMOVE TOPSOIL AS NECESSARY (MINIMUM OF 4") TO PROVID INSTALLED IN DRIVEWAY AREA AS SOON AS POSSIBLE AND ADDED T R SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE LATEST ALS 2' - SEE PLANS NTROL MEASURES SHOWN AND STATED ON THIS PLAN ARE TO BE S OR MULCH OR FARBRIC MUST BE PROVIDED FOR ALL DISTURBED A	GENERAL PLAN PLAN P R SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES R SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A REVIEW SHOL IP WILL CONFORM TO ALL CODES AND STANDARDS. R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING/PROPOSED PIPE: R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING GRUBBING/CLEAR R SHALL VERIFY INVERT ELEVATIONS FOR EXISTING PROPOSED IMPROVEMENTS. R IN AREAS TO REMOVE OR CLEAN-OUT OF PROPOSED IMPROVEMENTS. R IS RESPONSIBLE TO REMOVE OR CLEAN-OUT ANY SILT, DIRT, OR R OPERTY. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO REMOVE ANY OF NCLUDING RIGHT-OF-WAY AREA AND ROADWAYS. H ASTM D-698 (STD. PROCTOR). H ASTM D-698 (STD. PROCTOR). D AND SLOPES AS SHOWN ARE APPROXIMATE. ADJUST DRIVEWA ACTION TESTS SHALL BE ACCOMPLISHED IN THE FIELD TO TEST A D DES AND SLOPES AS SHOWN ARE APPROXIMATE. ADJUST DRIVEWA
TES RBANCE RBANCE MAIN SHALL BE FLAGGED BY THE OWNER/SURVEYOR AND PROTECTED FROM SESS. ERIALS OR TRENCH WITHIN THE DRIPLINE OF TREES TO REMAIN, OR ANING OF EQUIPMENT, STORAGE OR DISPOSAL OF MATERIALS SUCH AS THAT CAN DAMAGE THE HEALTH OF VEGETATION WITHIN THE DRIPLINE GUIDE WIRES) SIGNS, OR PERMITS SHALL BE FASTENED TO PROTECTED	STABLIZATION TIME FRAME STABILIZATION TIME FRAME EXCEPTIONS IDAYS ISTABLIZATION TIME FRAME EXCEPTIONS IDAYS NONE IDAYS NONE IDAYS NONE IDAYS NONE IDAYS NONE IDAYS IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 IDAYS IDAYS FOR SLOPES GREATER THAN 50 ILDAYS IDAYS FOR SLOPES GREATER THAN 50 ILDAYS IDAYS FOR PERMITERS AND INDAYS MONE [EXCEPT FOR PERMITERS AND INDAYS MONE [EXCEPT FOR PERMITERS AND INDAYS INDAY ZONES) IDAYS TO COVER all dirt and IDAY	ATE INSTALLED ACCORDING TO PLAN. IF NO SOIL TEST IS INSTALLED ACCORDING TO PLAN. IF NO SOIL TEST IS TAKEN, FERTILIZE AND LME ACCORDING TO SEEDING SCHEDULE IF SOIL TEST IS TAKEN PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT. LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION. 5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, USDA, & U.S. SCS. ED,	ADDITIONAL SEEDING NOTES: 1. GRADING CONTRACTOR IS RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS OF THE PROJECT. 2. LOOSEN COMPACTED SUBGRADE AND UNCHANGED SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE SUBGRADE TO A MINIMUM DEPTH OF 4". REMOVE STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER AND LEGALL YBURN THEM. RAKE OR OTHERWISE LIGHTLY SCARIFY SOIL SURFACE TO ENSURE SEED-TO-SOIL CONTACT. AREAS TO BE SEEDED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOPSOIL 3" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP. SURFACE FOR FINAL SEEDBED PREPARATION, AT FINISH GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM. 3. APPLY SEED BY HYDRO-SEEDING WERE POSSIBLE. ALLOW SEED APPLICATION TO DRY PRIOR TO MULCH APPLICATION TO PREVENT RUN-OFF.	EPS FOOT ROLLER. ALL SOFT SPOTS SHALL BE STABILIZED BY FURTHER FILL MATERIAL. VG CONTRACTOR SHALL DEDUCT THE APPROPRIATE AMOUNT FOR THE E ADEQUATE SUBGRADE FOR ROADWAYS. O AS REQUIRED TO CONTROL MUD. REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH MPLEMENTED THROUGH COMPLETION. REAS BEFORE FINAL APPROVAL.	BY CALLING NORTH CAROLINA 8II AT 1-800-632-4.94.9 THREE (3) DAYS PRIOR BY CALLING NORTH CAROLINA 8II AT 1-800-632-4.94.9 THREE (3) DAYS PRIOR LLD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE JLD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE S AND EXISTING ROADWAY ELEVATIONS PRIOR TO COMMENCEMENT OF S AND EXISTING ROADWAY ELEVATIONS PRIOR TO COMMENCEMENT OF NG. NO GRADING MAY BEGIN UNTIL SILT BARRIER INSTALLATION IS NG. NO GRADING MAY BEGIN UNTIL SILT BARRIER INSTALLATION IS TATE MAINTAINED ROADS FOR HAULING EQUIPMENT AND/OR MATERIALS TO GES TO THE STREETS OR UTILITIES DUE TO NON-COMPLIANCE OF WEIGHT THE ITEMS MENTIONED THAT ARE DEPOSITED ONTO PRIVATE OR COUNTY THE ITEMS MENTIONED THAT ARE DEPOSITED ONTO PRIVATE OR COUNTY CTED TO 98% MAXIMUM DENSITY AT +/-3% OF OPTIMUM MOISTURE CONTENT SHALL AREAS AS REQUIRED BY OWNER. INITIAL COMPACTION TESTS WILL BE CONDUCTED AT CONTRACTOR: INITIAL COMPACTION TESTS WILL BE
ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 - comments DESIGNED BY: DB DRAWN BY: SB APPROVED BY: DSB	Designed By: Creative Development Solutions landscape architecture land planning community and resort design 1003 4th avenue west, hendersonville, north carolina 28739 p 828 696 9992 f 828 696 9954	Sheet: Grading Plan	Project: Dowd Montreat, LLC Town of Montreat, Buncombe County, NC	Owner Dowd Montreat, LLC <i>PIN: 0710-96-5982-00000</i>	Other Consultants: Architect - Prudhomme Design and Interiors Surveyor - High Country Surveying

ALL CLEARING AND GRUBBING WITHIN AREAS OF VEGETATION TO REMAIN SHALL BE DONE WITH HAND TOOLS ONLY AND UNDER THE LABOR THE LABOR MITHIN AREAS OF VEGETATION TO REMAIN SHALL BE DONE WITH HAND TOOLS ONLY AND UNDER THE LABOR THE LABOR THE OWNER.

Project Number:

SHEET NUMBER :

5. AN ORANGE HIGH VISIBILITY CONSTRUCTION FENCE OR TEMPORARY SILT BARRIER FENCE SHALL BE INSTALLED AROUND ALL TREES WITHIN 10' OF THE CONSTRUCTION OR AS DIRECTED BY THE OWNER. THE BARRIERS SHALL REMAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.



urbance = Existing to remain (10,750 sf.) + New (4,624 sf.) = 15,374 s.f. pervious = Existing to remain (5,199 sf.) + New (3,243 sf.) = 8,442 s.f.	40% to 45% slope= 6,882.48 s.f. / .158 acres max.5,161.86 s.f max.40% to 45% slopeLand Disturbance proposedProposed40% to 45% slope15,374 s.f.8,442 s.f.	uirements	Parking Calculations Approximately 1,200 s.f. of residentail use is added with this project Two additional parking areas are required. Five total spaces provided.	The average slope of the entire property is 44.82%. The highest elevation of the lot is 2,780' There are no floodplains on or adjacent to this property There are no streams on this property.	Total New Impervious Area = New Impervious area - Existing Impervious to Remove 5,603 - 2,360 = 3,243 s.f. = .0744 acres Total Project Impervious Area = Total New Impervious area + Existing Impervious to Remain 3,243 s.f. + 5,199 s.f = 8,442 s.f = .1938 acres Percentage of Lot New Impervious Area = 19% Percentage of Lot Total all Impervious Area = 49%	Site Calculations Total Property = 17,206 s.f. / .395 acres Proposed New Disturbed Area = 4,624 s.f. / .1061 acres East New (2,810 s.f.) + West New (1,814 s.f.) = 4,624 sf / .1061 acres Existing Disturbed Area (to remain) = 10,750 s.f. / .247 acres Total Proposed Disturbed Area = 15,374 sf. / .353 acres 10,750 (Existing) + 4,624 (new) = 15,374 Percentage of Lot Disturbed = 89.3% 15,374/17,206 = 89.3%
Project N SH	ISSUE DATE : December 11, 2023 REVISIONS: December 14, 2023 - comm	Designed By:	Sheet:	Project:	Owner	Other Consultants:
SHEET NUMBER :	REVISIONS: December 14, 2023 - comm DESIGNED BY: DB DRAWN BY: SB APPROVED BY: DSB	Cost Creative Development Development Solutions landscape architecture land planning community and resort design 1003 4th avenue west, hendersonville, north carolina 28739 p 828 696 9992 f 828 696 9954	Site Plan	Dowd Montreat, LLC Town of Montreat, Buncombe County, NC	Dowd Montreat, LLC PIN: 0710-96-5982-00000	Architect - Prudhomme Design and Interiors Surveyor - High Country Surveying

Copyright © 2023, Creative Development Solutions,



TOWN OF MONTREAT

P. O. Box 423, Montreat, NC 28757 Tel: (828) 669-8002 | Fax: (828) 669-3810 www.townofmontreat.org

Staff Report SUP-2023-02

Special Use Permit Request (SUP-2023-02) - A Special Use Permit to allow a 1,010 squarefoot detached Garage (Accessory Building) with a final height taller than ten feet to be placed in the front yard of a single-family dwelling unit submitted by John Hennis (on behalf of the Property Owners, Dowd Montreat, LLC) on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat.

Created by:

Kayla DiCristina, AICP Zoning Administrator Town of Montreat

Created for:

Montreat Board of Adjustment February 22, 2024

Table of Contents

STAFF REPORT	3
Application Summary	3
Subject Property Summary	3
Public Notice	4
Staff Findings	5
Subject Property Summary	5
Use	5
Setbacks and Lot Size	
Special Requirements	6
Parking	7
Landscaping and Trees	
Post-Construction Stormwater Measures	
Hillside Development Ordinance	8
Comprehensive Plan	10
Template Special Use Permit Decision Language	10
Exhibits	10
Exhibit A: Buncombe County Steep Slope Calculator Results	10

Table of Figures

Figure 1: Subject Property Aerial	4
Figure 2: 250 feet Public Notice for Special Use Permit Request	4
Figure 3: Subject Property Zoning	6
Figure 4: Subject Property Topography	

STAFF REPORT

See **<u>STAFF FINDINGS</u>** made by Kayla DiCristina, AICP ("Zoning Administrator") in addition to Applicant-provided materials. **<u>STAFF FINDINGS</u>** contain references to the Montreat Zoning Ordinance ("MZO") where noted. Only those findings relevant to the Special Use Permit requested are included in this staff report.

Application Summary

The following report summarizes the Zoning Administrator's review of an application for a Special Use Permit submitted by John Hennis (on behalf of the Property Owners, Dowd Montreat, LLC) on property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000 within the Town of Montreat. The Applicant's request is to allow a 1,010 square-foot Garage (Accessory Building) with a final height taller than ten feet to be placed in the front yard of a single-family dwelling unit. The MZO requires a Special Use Permit in the R-2 Zoning District ("R-2") for Accessory Buildings constructed in the front yard of a lot's principal structure, for Accessory Buildings larger than 500-square-feet, and for Accessory Buildings taller than ten feet.

This Application was originally proposed to be heard at the January 25, 2024, Board of Adjustment meeting. Due to the necessity of a Variance to permit this Special Use Permit, the case was moved to the February 22, 2024, meeting.

Subject Property Summary

Parcel Identifier Number (PIN): 071096598200000

Address: 325 North Carolina Terrace, Montreat, NC 28757

Owner: Dowd Montreat LLC 1905 Fendall Ave, Charlottesville, VA, 22903

Applicant: John Hennis (on behalf of the Property Owners, Dowd Montreat, LLC)

Zoning: R-2

Current Land Use: Single-family dwellings

Utilities: Town of Montreat water and Buncombe County MSD sewer approved on the Subject Property for the existing single-family dwellings.

Acres: 0.395 acres



Figure 1: Subject Property Aerial

Public Notice

Staff mailed notice to properties within 250 feet of the Subject Property on January 11, 2024 (see

Request). Staff posted the Subject Property on **January 11**, **2024**. The BOA Hearing was initially scheduled for **January 25**, **2024**. This case was moved to the subsequent meeting and scheduled to be heard at the **February 22**, **2024** meeting. Staff mailed notice to properties within 250 feet of the Subject Property on **February 8**, **2024** and posted the Subject Property on **February 8**, **2024**.

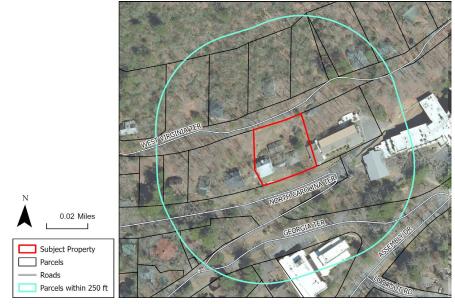


Figure 2: 250 feet Public Notice for Special Use Permit Request

Staff Findings

Subject Property Summary

- The Subject Property is 0.395 acres and is improved with three existing single-family dwelling units. The existing single-family dwelling units are considered non-conforming as their construction pre-dates the establishment of the MZO.
- The Subject Property abuts North Carolina Terrace, a public road maintained by the Town of Montreat to the south, and West Virginia Terrace, a public road maintained by the Town of Montreat, to the north.
- There are no streams or floodplain on the Subject Property. The Subject Property has a slope of 44.8% per the Buncombe County Steep Slope Calculator (Exhibit A).

Use

The Subject Property is zoned R-2. It is currently improved with three single-family dwellings. Single-family dwellings are allowed by-right in R-2. The existing single-family dwelling units are considered non-conforming as their construction pre-dates the establishment of the MZO. One existing single-family dwelling is proposed to be demolished as part of this development.

The surrounding properties are zoned R-1 Residential Zoning (R-1), R-2, and Institutional (I).

- To the north is West Virginia Terrace, a public road maintained by the Town of Montreat, with properties zoned R-1 containing single-family dwellings.
- To the east is an existing lodging structure (the William Black Lodge) zoned I.
- To the south is North Carolina Terrace, a public road maintained by the Town of Montreat, with properties zoned R-2 containing single-family dwellings.
- To the west is an existing single-family dwelling zoned R-2.

The Applicant is proposing to construct a Detached Garage on the north side of the Subject Property, adjacent to West Virginia Terrace. Per the MZO, a Detached Garage is considered an Accessory Building. Due to the proposed location of the detached Garage on the Subject Property and the Subject Property's residential zoning district, Section 606.2 of the MZO requires the Applicant to obtain a Special Use Permit. Garages in front yards are also required to get a Special Use Permit per the MZO Table of Permitted Uses in Article V. The Applicant's proposed structure must comply with the requirements of Section 606 and 606.2 of the MZO. As a note, the Applicant is also proposing a 1,088-square-foot addition as part of the overall development plan, but this addition is not the subject of this application.

The proposed Accessory Building is a two-story 1,010 square feet Structure containing two car parking spaces on the ground floor and a storage space above. The final height of the Structure will be approximately 24 feet.

If an Accessory Building includes complete kitchen facilities including a stove or cooktop and a full bath including a lavatory, water closet, and tub or shower (or combination) then the structure is considered an Accessory Dwelling Unit. The Applicant's architectural plans for the Accessory Building do not show the aforementioned elements. Should the Board of Adjustment grant its approval of this application as currently proposed, the Applicant would be permitted to construct an Accessory Building, not an Accessory Dwelling Unit.

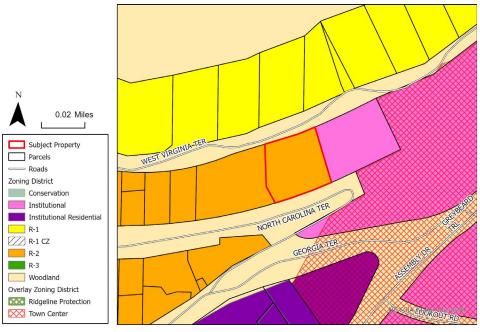


Figure 3: Subject Property Zoning

Setbacks and Lot Size

The Subject Property is an existing Lot and no subdivision activities are proposed with this application. Therefore, lot size requirements do not apply.

Per Section 606.14 of the MZO, Accessory Buildings must meet the minimum Setbacks required by the applicable Zoning District. Subject Property is located in R-2 and is considered a double frontage lot. Double frontage lots are defined in the MZO as lots that have lot frontage on two separate streets. The Applicant's proposed addition to the existing single-family dwelling and Accessory Building are subject to the setback requirements of a double frontage lot in R-2. The Applicant's proposed addition and Accessory Building intend to meet the required setbacks of the Subject Property.

	Required R-2 Zoning District Setback	Proposed Accessory Building Setback	Proposed Addition Setbacks
Front (North Carolina Terrace)	30 feet	Approx. 81 feet	From existing house = 22 feet* From addition = 59 feet
Side (L/R)	10 feet/10 feet	Approx. 87 feet / 12 feet 3 inches	14 feet 5 inches / From existing house = 73 feet From addition = 78 feet
Front (West Virginia Terrace)	30 feet	30 feet 3 inches	53 feet 2 inches

* The existing single-family dwelling onto which the addition is proposed is considered a Non-Conforming Structure per Section 1000.2 of the MZO. Non-Conforming Structures may be expanded in accordance with all Setback and other requirements of the MZO (and other development ordinances). While the existing single-family dwelling does not meet the required front setback from West Virginia Terrace per the R-2 Zoning District, the addition does and is therefore permitted.

Special Requirements

Section 606.2 of the MZO lists the following special requirements for Detached Garages in Front Yards in residential Zoning Districts:

- 1. The Zoning Administrator determines this will reduce damage to the natural topography, trees and natural green space, or where the topography will create a hardship that would result in significant damage to the topography, trees and plant life without such relief;
- 2. The Garage will be constructed of materials that meet or exceed the quality and appearance of the principal Building;
- 3. The Garage must be enclosed by an operable Garage door to be maintained in good working order, excluding carports;
- 4. The Garage doors shall be kept closed when the house is unoccupied for more than one day; and;
- 5. The property owner shall maintain the Garage and its appearance to reasonably remain in the condition it is in when completed and approved by the Building Inspector. The Zoning Administrator shall determine when this provision has been violated.

The Applicant's narrative addresses the above requirements. Regarding Section 606.21, the Zoning Administrator finds the location of the proposed Detached Garage to be preferable on the site as this location would reduce damage to the natural topography, trees and natural green space associated with this project. The area within which the new structure is proposed is currently occupied by one of the existing single-family dwellings and has been since the mid-1900s. This existing structure is proposed to be demolished as part of the construction. The land in this area has already been disturbed, vegetation already removed, and stabilization already constructed. Locating the Detached Garage in this area will be less damaging to the natural topography, trees and natural green space compared to other development scenarios that locate the new structure outside of the front yard setback, as this proposal swaps one structure for another. The new structure will meet today's MZO standards, which the existing structure did not have to comply with. Locating the Detached Garage in one of the side setbacks, negating the need for a Special Use Permit for the location, would require the disturbance of previously undisturbed land and likely extensive grading.

Parking

Per Section 700 of the MZO, parking requirements are only applied to structures constructed after November 14, 1985. As the construction of all three of the existing single-family dwellings predates this time period, only new construction on the site is subject to parking requirements. The Applicant

is proposing to construct a 1,010 square footage Accessory Building, of which none is heated square footage. Therefore, with this construction, no additional parking spaces are required. However, the Applicant is proposing to provide five spaces, two in the Detached Garage and three in the new driveway. As a note, the Applicant's final development plan includes a 1,088-square-foot addition onto one of the existing single-family dwellings on the site. This addition is not the subject of this Special Use Permit application, but the Applicant is providing enough parking to satisfy this requirement for the addition.

Landscaping and Trees

Per Section 900.2 of the MZO, landscaping provisions are not applicable to the Subject Property as it is zoned R-2. As a note, no trees or vegetation or proposed to be removed from the Town of Montreat's right-of-way with the construction of the proposed Accessory Building.

Post-Construction Stormwater Measures

As part of the Applicant's overall development plan, the Applicant will manage stormwater using a series of stormwater conveyance measures leading water to river rock lined swales, a seven-foot storage tank, and a 120 square foot detention basin with a six-foot stone weir. Rain barrels are proposed throughout the new construction areas where gutters and downspouts terminate. For purposes of this Variance application, the Applicant's proposed stormwater management system sufficiently detail how post-development stormwater run-off will be controlled and managed. Prior to permit issuance, the Applicant will be required to obtain a Stormwater Control Permit and comply with the Town of Montreat's General Ordinance (MGO) Chapter K Article III.

Hillside Development Ordinance

The Subject Property has a slope of 44.8% per the Buncombe County Steep Slope Calculator (Exhibit A). Therefore, it is subject to the MGO Chapter K Article IV. At the time of permitting, the Applicant must demonstrate conformance to all applicable standards in the Hillside Development Ordinance. Conformance will be determined by staff. However, staff felt it important to outline several of the provisions in this ordinance in this staff report as they are relevant to the Applicant's requested Special Use Permit.

In general, the Subject Property slopes downward from north (West Virginia Terrace) to south (North Carolina Terrace) as indicated by the decreasing contour values as one travels southward away from the northern side of the Subject Property. Shaper decreases in slope, as indicated by contour lines that are closer together, occur along the eastern side of the Subject Property.



Figure 4: Subject Property Topography

MGO Chapter K Article IV Section(I)(1) states the purpose of the Hillside Development Ordinance as follows:

The hillside development regulations of this article shall establish guidelines for responsible land use addressing both aesthetics (the "viewscape") and slope stability, utilizing approved methods of erosion prevention and stormwater control. Montreat contains intensely varied topography within a relatively small area, involving significant regions that transition abruptly from gentle slope to steep gradient. These factors pose unique challenges for the location and installation of structures while preserving the natural aesthetic characteristic of the Town. It has been determined that measures must be taken to ensure the stability of our hillsides while permitting continued low-impact development.

The Subject Property is considered a Non-Conforming Improved Lot. The existing improvements on the Subject Property predate the enactment of the Hillside Development Ordinance and exceed the approved graded area per MGO Chapter K Article IV Section (II)(4)(a) and the permitted impervious surface area MGO Chapter K Article IV Section (II)(4)(i). Currently, the Subject Property contains 10,750 square feet of graded area, or 62% of the total area, but, under the MGO Chapter K Article IV Section (II)(4)(a), is only permitted to grade 40% of the total lot area, or 6,882 square feet. Additionally, the Subject Property contains 7,559 square feet of impervious surface, but is only permitted to have 5,162 square feet per the MGO Chapter K Article IV Section (II)(4)(i). The Applicant submitted a Variance application to MGO Chapter K Article IV Section (II)(4)(a) and (i) concurrently with this Special Use Permit application, per MGO Chapter K Article IV Section (II)(4)(h), to increase the approved graded area from 40% to 89.3% and to increase the approved development intensity ratio from 0.30 0.49. to

Comprehensive Plan

The Town of Montreat's comprehensive plan, *Montreat Tomorrow*, does not contain a future land use map. The following vision in *Montreat Tomorrow* may be relevant to this application:

Development: Montreat will be a community that respects buildings with historic value, encourages new development to consider the surrounding architecture, and strives for resilience in the face of a changing climate.

Template Special Use Permit Decision Language

The Board is welcome to use the language below to issue a decision on the Special Use Permit Request. Prior to making the approval motion, the Board must state the specific findings that lead to the approval of the four findings of fact as required by Section 310.62.

1. The Use will not be detrimental to or endanger the public health, safety or general welfare if located where proposed and developed according to the plan as submitted and approved because...

2. The Use meets or will meet all the required and applicable development standards and conditions of the Town of Montreat unless modified by this Board because...

3. The Use will not substantially diminish and impair the value of any property any portion of which is located within two hundred fifty feet of the boundary of the Subject Property...

4. The location and character of the Use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located and will not be injurious to the use and enjoyment of other property, for the purposes already permitted, within the area in which it is located because...

5. The location and character of the Use, if developed according to the plan as submitted and approved, will be in general conformity with the adopted policies and plans, including the Comprehensive Plan of the Town of Montreat because...

6. Adequate measures have been taken or will be taken to provide ingress and egress so designed as to minimize congestion in the public streets because...

Motion for Decision: "I move that the Board [*approve/approve with conditions/deny*] SUP-2023-02 to permit a 1,010 square foot Detached Garage (Accessory Building) with a final height taller than ten feet in the front yard of property in the R-2 Zoning District located at 325 North Carolina Terrace approximately 960 feet east of the intersection of North Carolina Terrace and West Virginia Terrace and described as PIN# 071096598200000. [*List any conditions of approval in the motion, if applicable*]

Exhibits Exhibit A: Buncombe County Steep Slope Calculator Results

Find Slope for a Parcel

1. Use SimpliCity (http://simplicity.ashevillenc.gov) or mapAsheville (https://arcgis.ashevillenc.gov/mapAsheville/) to find the PIN of the parcel you are interested calculating slope for.

2. Enter the 10 or 15 digit PIN below and click Calculate.

To calculate the slope of multiple parcels enter a comma separated list PINs.

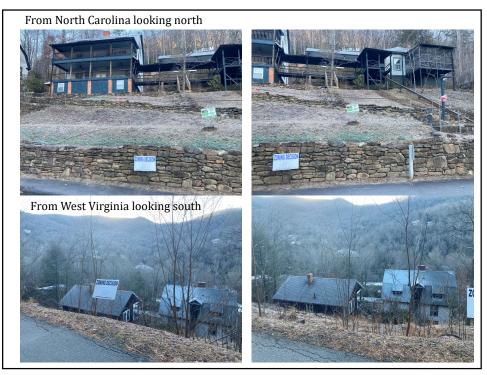
071096598200000

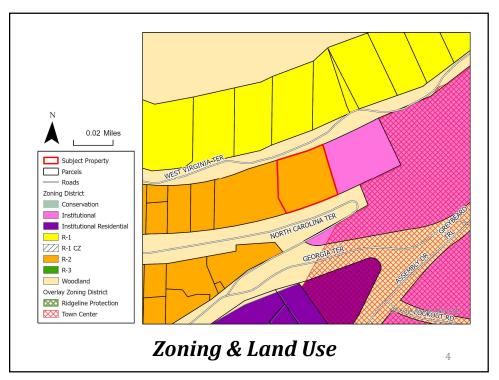
Calculate

Jurisdiction: TOWN OF MONTREAT Acres: 0.46978 Maximum Elevation: 2780 Percent Slope: 44.82









Application Overview

Applicant: John Hennis (on behalf of the Property Owners, Dowd Montreat, LLC)

Application Summary:

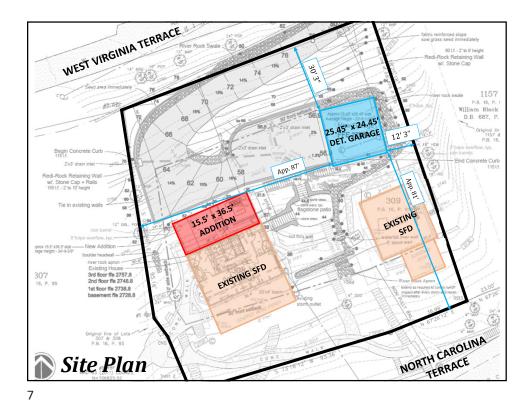
- Approval for a Special Use Permit to allow a 1,010 square-foot Detached Garage (Accessory Building) with a final height taller than ten feet to be placed in the front yard of a single-family dwelling unit
- ✤ Garages constructed in the front yards of residential Zoning Districts require a Special Use Permit (MZO Section 606.2 & Article V).
- Accessory Buildings larger than six hundred square feet or exceeding ten feet in height require a Special Use Permit (MZO Section 606.13).

5

Staff Findings **SETBACKS & LOT SIZE USE & ZONING** ✤ The Subject Property is currently improved with The Subject Property is an existing lot, so lot size three single-family dwellings constructed prior to requirements do not apply. the enactment of the Montreat Zoning Ordinance. ٠ The Subject Property is considered a double Garages constructed in the front yards of residential frontage lot. The addition and Detached Garage Zoning Districts require a Special Use Permit (MZO must comply with the required setbacks in the R-2 Zoning District on a double frontage lot. Section 606.2 & Article V). ٠ The Applicant intends to meet all required Accessory Buildings larger than six hundred square setbacks. feet or exceeding ten feet in height require a Special Use Permit (MZO Section 606.13). Required R-2 Zoning Proposed Accessory Proposed Addition Setbacks District Setback Building Setback Front From existing house = 22 feet (North Carolina 30 feet Approx, 81 feet From addition = 59 feet Terrace) 14 feet 5 inches / Approx. 87 feet / 12 feet 3 10 feet/10 feet From existing house = 73 feet Side (L/R) inches From addition = 78 feet Front (West Virginia 30 feet 30 feet 3 inches 53 feet 2 inches Terrace) **COMPREHENSIVE PLAN** ٠ The following vision in Montreat Tomorrow may be relevant to this application:

The following vision in *Montreat Tomorrow* may be relevant to this application:
 Development: Montreat will be a community that respects buildings with historic value, encourages new development to consider the surrounding architecture, and strives for resilience in the face of a changing climate.

⁵



Staff Findings SPECIAL REQUIREMENTS (MZO Section 606.2)

Detached Garages in residential Zoning Districts must meet the following requirements.

- 1. The Zoning Administrator determines this will reduce damage to the natural topography, trees and natural green space, or where the topography will create a hardship that would result in significant damage to the topography, trees and plant life without such relief;
- 2. The Garage will be constructed of materials that meet or exceed the quality and appearance of the principal Building;
- 3. The Garage must be enclosed by an operable Garage door to be maintained in good working order, excluding carports;
- 4. The Garage doors shall be kept closed when the house is unoccupied for more than one day; and;
- 5. The property owner shall maintain the Garage and its appearance to reasonably remain in the condition it is in when completed and approved by the Building Inspector. The Zoning Administrator shall determine when this provision has been violated.

Staff Findings

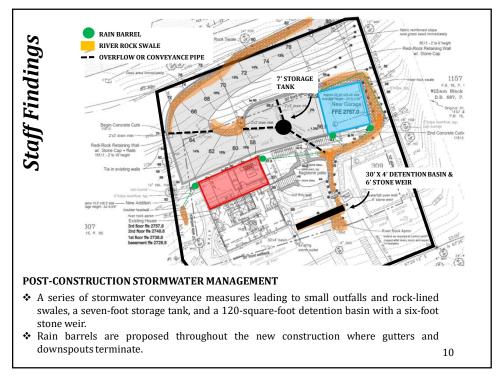
PARKING

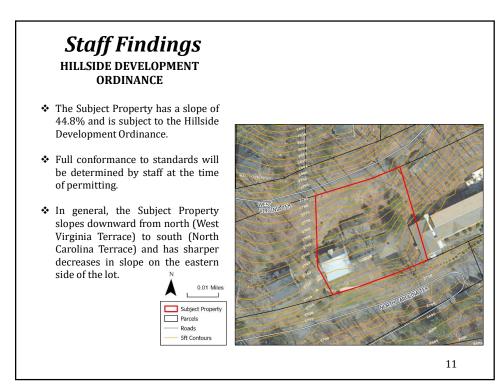
- The single-family dwellings predate the Montreat Zoning Ordinance. Per Section 700, only the heated square footage of new construction on the Subject Property is subject to parking requirements.
- The Applicant is proposing to add no heated square footage with the Detached Garage, so no additional parking spaces are required.
- However, the Applicant proposes to provide five parking spaces with two on the ground floor of the Detached Garage and three spaces in the new driveway to accommodate the new development.

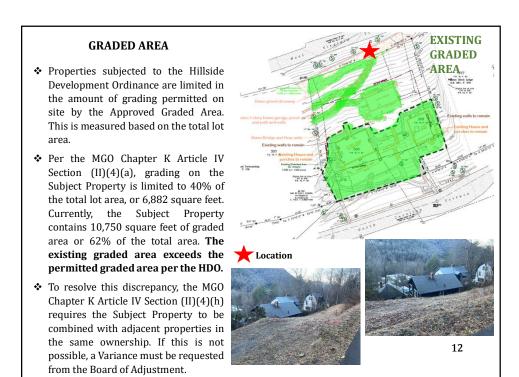
LANDSCAPING AND TREES

- Landscaping requirements of Section 900.2 of the MZO do not apply.
- No trees or vegetation are proposed to be removed within the Town's right-of-way.



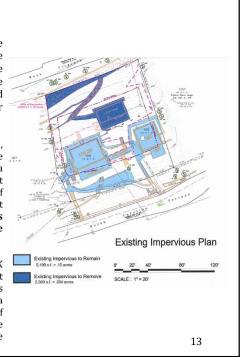


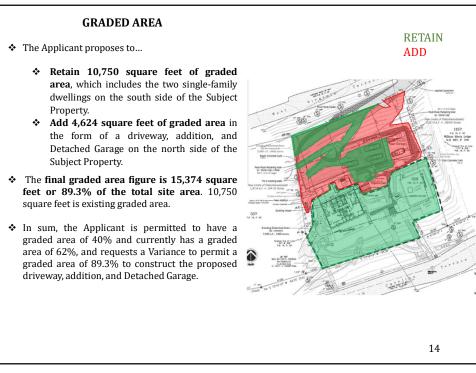




IMPERVIOUS SURFACE

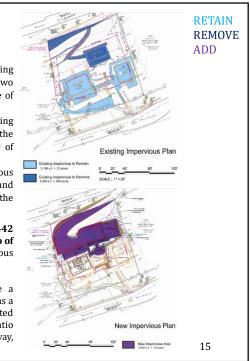
- Properties subjected to the Hillside Development Ordinance are limited in the amount of impervious surface permitted on site by the development intensity ratio. The development intensity ratio is the permitted ratio of unimproved areas to developed or improved areas.
- ✤ Per the MGO Chapter K Article IV Section (II)(4)(i), the Subject Property is only permitted to have 5,162 square feet of impervious surface and a development intensity ratio of 0.30. The Subject Property currently contains 7,559 square feet of impervious surface and has a development intensity ratio of 0.44. The existing impervious surface exceeds the allowed impervious surface limit per the HDO.
- To resolve this discrepancy, the MGO Chapter K Article IV Section (II)(4)(h) requires the Subject Property to be combined with adjacent properties in the same ownership. If this is not possible, a Variance must be requested from the Board of Adjustment. The Applicant submitted a Variance request for both grading and impervious surface limits concurrently with this application.

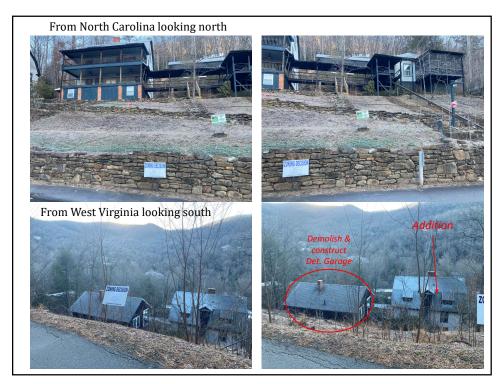




IMPERVIOUS SURFACE

- ✤ The Applicant proposes to...
 - Retain 5,199 square feet of the existing impervious surface, which includes the two single-family dwellings on the south side of the Subject Property.
 - Remove 2,360 square feet of the existing impervious surface, which includes the single-family dwelling on the north side of the Subject Property.
 - Add 3,243 square feet of new impervious surface in the form of a driveway and Detached Garage on the north side of the Subject Property.
- The final impervious surface figure is 8,442 square feet and a development intensity ratio of 0.49. 5,199 square feet is existing impervious surface.
- In sum, the Applicant is permitted to have a development intensity ratio of 0.30, currently has a development intensity ratio of 0.44, and requested a Variance to permit a development intensity ratio of 0.49 to permit the proposed addition, driveway, and Detached Garage





Board of Adjustment Decision The Board shall grant a Special Use Permit upon showing of all of the following per Section 310.6 of the MZO: 1. The Use will not be detrimental to or endanger the public health, safety or general welfare if located where proposed and developed according to the plan as submitted and approved. The Use meets or will meet all the required and applicable development standards and 2. conditions of the Town of Montreat unless modified by this Board. The Use will not substantially diminish and impair the value of any property any portion of 3. which is located within two hundred fifty feet of the boundary of the Subject Property. The location and character of the Use, if developed according to the plan as submitted and 4. approved, will be in harmony with the area in which it is to be located and will not be injurious to the use and enjoyment of other property, for the purposes already permitted, within the area in which it is located. 5 The location and character of the Use, if developed according to the plan as submitted and approved, will be in general conformity with the adopted policies and plans, including the Comprehensive Plan of the Town of Montreat. 6. Adequate measures have been taken or will be taken to provide ingress and egress so designed as to minimize congestion in the public street. In granting any Special Use Permit, the Board of Adjustment may prescribe appropriate conditions and safeguards in conformity with any of the Town's land development Ordinances. 17

