

HIDEOUT, UTAH PLANNING COMMISSION PUBLIC HEARING AND REGULAR MEETING

March 18, 2021 Revised Agenda

PUBLIC NOTICE IS HEREBY GIVEN that the Planning Commission of Hideout, Utah will hold its Public hearing and regularly scheduled meeting electronically for the purposes and at the times as described below on Thursday, March 18, 2021

This meeting will be an electronic meeting without an anchor location pursuant to Planning Commission Chair Anthony Matyszczyk March 7, 2021 determination letter (attached)

All public meetings are available via ZOOM conference call and net meeting.

Interested parties may join by dialing in as follows:

Meeting URL: https://zoom.us/j/4356594739 To join by telephone dial: US: +1 408 638 0986

Meeting ID: 435 659 4739

YouTube Live Channel: https://www.youtube.com/channel/UCKdWnJad-WwvcAK75QjRb1w/

Regular Meeting 6:00 PM

I. Call to Order and Reading of Chair Matyszczyk's No Anchor Site Determination Letter

1. March 7, 2021 No Anchor Site Determination Letter

II Roll Call

- III. Approval of Meeting Minutes
 - 1. February 18, 2021 Planning Commission Minutes DRAFT
- IV. Agenda Items
 - 1. KLAIM: Update regarding retaining walls (proposed changes from original approval)
- V. Public Hearings
 - 1. <u>Public Hearing for Deer Waters Phases 3 and 4 Final Subdivision</u> Discussion and possible recommendation
 - Public Hearing for Shoreline Phase 2 (amended) and Phase 3 of the Shoreline <u>Subdivision (continued from February 18, 2021 meeting)</u> – Discussion and possible continuation
- VI. Meeting Adjournment

Pursuant to the Americans with Disabilities Act, individuals needing special accommodations during the meeting should notify the Mayor or Town Clerk at 435-659-4739 at least 24 hours prior to the meeting.

File Attachments for Item:

1. March 7, 2021 No Anchor Site Determination Letter



March 7, 2021

DETERMINATION REGARDING CONDUCTING TOWN OF HIDEOUT PUBLIC MEETINGS WITHOUT AN ANCHOR LOCATION

The Planning Commission Chair of the Town of Hideout hereby determines that conducting a meeting with an anchor location presents a substantial risk to the health and safety of those who may be present at the anchor location pursuant to Utah Code section 52-4-207(4) and Hideout Town Ordinance 2020-03. The facts upon which this determination is based include: The percent and number of positive COVID-19 cases in Utah has been over 9.06% of those tested since March 2, 2021. The seven-day average of positive cases has been over 517 since March 7, 2021.

This meeting will not have a physical anchor location. All participants will connect remotely. All public meetings are available via YouTube Live Stream on the Hideout, Utah YouTube channel at: https://www.youtube.com/channel/UCKdWnJad-WwvcAK75QjRb1w/

Interested parties may join by dialing in as follows:

Meeting URL: https://zoom.us/j/4356594739
To join by telephone dial: US: +1 408-638-0986

Meeting ID: 435 659 4739

This determination will expire in 30 days on April 5, 2021.

BY:

Tony Matyszozyk,
Planning Commission Chair

ATTEST:

Athleen Hopkins, Deputy Town Clerk

File Attachments for Item:

1. February 18, 2021 Planning Commission Minutes DRAFT

1			
2		Minutes	
3	Town of Hideout		
4	Planning Commission Public Hearing and Regular Meeting		
5	February 18, 2021		
6		10014417 10, 2021	
7			
8		on of Hideout, Wasatch County, Utah met in Regular Meeting on February 18,	
9	2021 at 6:00 PM e	lectronically via Zoom meeting due to the ongoing COVID-19 pandemic.	
L0 L1	Public Hearing and Reg	rular Meeting	
L1 L2	Tublic Hearing and Reg	utai Meeting	
13	I. Call to Order and I	Reading of Chair Matyszczyk's No Anchor Site Determination Letter	
L4	Chair Matyszczyk calle	d the meeting to order at 6:04 PM and read the no anchor site determination	
L5		attendees were present electronically.	
L6			
L7	II. Roll Call		
L8	PRESENT:	Chair Tony Matyszczyk	
L9		Commissioner Ryan Sapp	
20		Commissioner Glynnis Tihansky	
21		Commissioner Donna Turner	
22		Commissioner Bruce Woelfle	
23		Commissioner Rachel Cooper (alternate)	
24			
25	STAFF PRESENT:	Thomas Eddington, Town Planner	
26		Polly McLean, Town Attorney	
27		Ryan Taylor, Town Engineer	
28		Alicia Fairbourne, Town Clerk	
29		Kathleen Hopkins, Deputy Town Clerk	
30	OTHERS IN A TERM	DANCE: Mary European Dahart Cross Joffway Chayranday Cross	
31 32		DANCE: Mary Freeman, Robert Green, Jeffrey Skovronsky, Grant Kathy McGlaughlin, Keith Marmer, Kurt Shadle, Frank Pizz, Tom Sly,	
33		Goldkind, Amy Cribbs, Brett Rutter, Greg Faulconer, Glen Gabler, Carol	
34	•	, John Leone and others who may not have signed in using proper names	
35	via Zoom.	, some Leone and others who may not have signed in using proper names	
36	, ia 200iii		
37	III. Public Hearings		
38	1. Public Hearin	g for Shoreline Phase 3 Subdivision (continued to March 18, 2021	
39		mission Meeting)	
		<u> </u>	
10	• •	d the public hearing would be continued to the March 18, 2021 Planning	
11	_	then the developer would make its presentation, but he invited any	
12 13	which would also be on	n attendance to either comment at this time or attend the March meeting	
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Mr. Kurt Shadle stated the approval of Shoreline Phase III was the first chance an impartial town leadership would be asked to approve any part of this development. Prior approvals of Phases I and II of the development had been made by the previous conflicted town administration which led to the approval of a very dense and poorly planned project. He noted while the interiors of the homes were nice, the exteriors and unit layout violated good planning concepts.

Mr. Shadle detailed his concerns with density and crowding and a lack of open space in the proposed Phase III development. He requested the Planning Commission carefully evaluate how the developer arrived at the proposed density calculations and request a complete redesign of the dwelling units to address these issues. He noted maximizing the developer's profits was not in the best interest of the town or its residents. He further noted the extensive unresolved complaints of homeowners in Shoreline Phases I and II and requested the Planning Commission consider tabling any approvals of Phase III until it was satisfied that these construction deficiencies were resolved and would not be replicated in the new phase.

Mr. Shadle read a statement from Town Council Member Bob Nadelberg who was unable to attend the hearing. Council Member Nadelberg's statement reflected his concerns as both a Hideout resident and Town Council member regarding the proposed plans for Shoreline future development. He stated the housing density would adversely impact the community in terms of the area's natural beauty, infrastructure, property values and safety. Had he been on the Town Council or Planning Commission at the time the Shoreline project was in the approval stages he would have voted against it. He stated when he bought property in Hideout five years ago, the community was represented to him by the developer as having open spaces with gorgeous views and a good mix of housing options. After he moved in, the developer and Town Council conducted a meeting which could effectively be described as clandestine and changed the zoning to allow more high-density multi-family housing thus altering forever the original design of Hideout. He added this approval occurred at a holiday time and with short notice provided so that it was not made known to residents until it was too late. He felt this was unethical and was part of his motivation to volunteer to join the Town Council. He stated he would like to see a better mix of housing options to include more single-family homes of which he believed there was a shortage. Furthermore, and on a related note, he would like to see Shoreline developer GCD do a better job of honoring the warranty work on existing homes before embarking on any new endeavors.

Mr. Brian Cooper (Shoreline homeowner and member of the town's Infrastructure Committee) read a letter from Shoreline homeowner Mr. Kip Freeman to the Town Council and Planning Commission (which was subsequently entered into the record). Mr. Freeman's letter requested a 30-day moratorium be placed on approval of any new developments or construction in the town to provide time for the town engineer and committees to review the current processes for approval of construction, performing intermediary inspections and issuing occupancy permits. He shared a list of deficiencies within his neighborhood (Shoreline Phase I) which suggest a widespread problem in the town's processes that warranted a standdown to review the process and institute corrective actions and mitigations. The letter went on to detail at least four homes with sewer backups, flooding basements or filling bathtubs on the lower levels. Some findings had suggested material failure of the pipes or valves, and others were still under investigation. He suggested the

town should investigate whether it approved original plans that were deficient in design or material requirements, if items were missed during inspections or if there was some other cause that appeared to be non-random but a systematic issue.

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Mr. Freeman's letter also noted certain utilities were not installed per the plans approved by the town. There were manholes and distribution boxes installed in areas originally designated as parking pads in the neighborhood, and irrigation lines were not installed consistent with the approved plans. He suggested the town should review its approval processes to ensure developers follow plans as approved or properly updated prior to making any deviations from the plans. He also noted concerns regarding low water pressure in certain areas around town and the convoluted sewer line system currently in place. He stated his home was issued a certificate of occupancy (CO) with an inappropriately mounted electrical power box and with wires behind a vanity left hanging behind the wall rather than being properly installed in an electrical box. These issues remained unresolved after two years. He suggested that either a CO should not have been issued, or a temporary CO should have been issued with a sufficient bond posted to cover the costs if the issues were not remedied prior to the expiration of the temporary CO. He suggested the town should review and enhance its approval processes prior to moving forward with any annexation. He added if during this review, the town identified any specific developers who were the cause of such problems, the town should consider placing a 30-day moratorium on any further project approvals for these individual developers to provide time for these developers to provide corrective action plans to address their deficiencies.

Mr. Cooper shared feedback on the Infrastructure Committee's work with the town engineer to provide independent inspections of certain Shoreline homes, and noted all homes (including his own) had similar problems with the wiring behind vanities which did not meet the electrical code. He added the town engineer would write up the findings of the independent inspections. He stated GCD had reported it performed video inspections of all the lateral and main sewer lines of the Shoreline Phase I units, but to date had not shared the results or copies of the actual videos. Mr. Cooper suggested the town request copies of these videos and have an independent assessment of the results as he did not trust GCD to evaluate them properly.

Mr. Cooper added he agreed with Mr. Freeman's suggestions for the need to improve the approval process and added he would like to have the builder required to remedy the outstanding homeowner issues. He noted it was within the town's rights to require additional inspections and noted the need for electrical and sewer work to be inspected more thoroughly and frequently.

Commissioner Cooper noted a house with a complete basement flood in the last week which damaged most of the lower level. Mr. Cooper suggested the problems stemmed from either a poor design, improper installations or possibly both, and noted the importance in understanding existing problems to avoid similar problems occurring in future developments.

Commissioner Tihansky noted she was not aware of similar issues with her neighbors in Shoreline Phase II. She shared her concerns regarding the lack of off-street parking in the proposed Phase III plan as well as the narrow streets and asked if Phase III would fall under

- current or old town code. Town Planner, Thomas Eddington responded Phase III would fall 1 2 under old code for zoning district and setbacks; Town Attorney Polly McLean concurred.
- Commission Tihansky agreed the town should hold GCD's feet to the fire to the extent 3 possible regarding these fixes before approving any additional development. 4
- 5 Ms. McLean stated she understood these frustrations but noted from a legal perspective, once certain legal entitlements were granted or vested, they were very difficult to rescind. 6 She noted the current town administration was working to ensure the developer would 7 comply with current code to the extent possible but noted certain aspects of the plan were 8 vested with the original approvals. Mr. Eddington added he was reviewing the overall 9
- Master Homeowners Association (HOA) agreement regarding density counts. 10
- Mr. Shadle asked if, given the structural problems in Shoreline Phases I and II, could 11 consideration of Phase III be stopped given health and safety issues associated with the 12 13 developer's existing work. Ms. McLean noted these issues were somewhat independent of each other. The new development would be required to meet current health and safety 14 standards and town code, but unfortunately the builder was still entitled to move forward 15 based on the original approvals granted regardless of the issues noted regarding the existing 16 development. She noted the town could set bonding requirements based on prior experience. 17
 - Mr. Cooper asked if rules for completion bonds could be changed based on prior experience and cited evidence of the sewer problems discussed. Ms. McLean responded everyone must be treated the same, and the town cannot single out this developer. She stressed the current town administration would be seeking to ensure adherence to the building code to a higher degree than it appeared was done previously.
 - Town Engineer, Mr. Ryan Taylor added while it would not be possible to arbitrarily treat this subdivision differently than others, the current inspection and bonding program was more robust than under the previous town administration. He expected to see larger and more bonding requirements moving forward.
 - Mr. Cooper noted the Infrastructure Committee and town engineer were working with an independent geo-tech engineer to review the issues with slope erosion and raveling issues along Shoreline Drive and Shoreline Court and would provide options and cost estimates for remediation to be presented to GCD. Mr. Taylor noted Phase III did not have the same slope issues as Phases I and II.
 - Mr. Dale Aychman, (Shoreline Phase I homeowner) shared his experiences with sewer backups, roof leaks with resulting mold remediation and water infiltration from his garage to the bonus room, all of which he attributed to a combination of poor design and workmanship. He stated his concerns with the plan for Phase III to be built on fill dirt and asked whether it would be stable, as well as how the stability of the fill would be evaluated. He noted a neighbor had experienced problems with sinking. Mr. Aychman also shared his concerns regarding density, open space and parking within the proposed plan. He added the developer GCD had not been responsive in addressing a host of issues including ongoing sewage odor in his home and suggested the town would not want new residents of Phase III to have similar problems in the future. He stated it seemed that GCD was more interested selling additional units than in addressing problems of existing customers.

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- 1 Ms. Mary Freeman reiterated the comments shared in Mr. Kip Freeman's letter and
- 2 suggested the town look inward at its policies and procedures to learn from past mistakes.
- 3 Mr. Taylor responded his firm assumed responsibility for engineering review between
- 4 construction of Phases I and II and noted significant improvements and more involvement in
- 5 conducting inspections than was done previously. He noted the Phase III plans were the first
- 6 his team was involved in reviewing and noted the report prepared for the Planning
- 7 Commission which included their comments and concerns. He stated in the past it seemed
- 8 that changes were made in the field and accepted after the fact, but this was no longer the
- 9 process. He added his team would be on-site throughout the construction process and would
- monitor any changes to the approved plans and escalate them to the Planning Commission
- for approval as necessary. Mr. Eddington added since Phase I was approved, the town had
- re-written the entire zoning code and building standards which would be in effect for Phase
- III construction. He noted the zoning and setbacks were grandfathered in base on prior
- approvals, but the new building and development standards would be applied to this phase.
- Ms. Freeman asked for assurances that proper staffing would be in place to monitor all
- aspects of the new development to insure adherence to the approved plans. Mr. Taylor stated
- there was regular on-site monitoring and inspection for all construction.
- Mr. Shadle asked if the builder had the right to build on the soil currently moved onsite for
- 19 Phase III. Mr. Taylor responded a permit was granted for mass excavation and he was
- involved in reviewing the reports on the status of the work. He added the issuance of
- 21 excavation permits was an administrative matter that did not require Planning Commission
- review. Mr. Shadle suggested the Planning Commission take a role in approval of such
- permits.
- Mr. Cooper asked if two years was sufficient time for proper settlement of fill. Mr. Taylor
- responded it depended on various factors including soil type, moisture content and
- compaction and added this would be evaluated by the firm's geo-tech engineer as part of the
- approval process.
- Mr. Bret Rutter stated he understood the issues with grandfathered approvals and suggested
- future buyers should be warned regarding potential deficiencies such as narrow streets,
- parking, compacted soils and other problems under discussion. He suggested the town
- should be an advocate to future potential residents, and hopefully this would put pressure on
- the builder to address existing issues and design a better development.
- Town Council Member Carol Haselton noted the town was working to improve its
- reputation and hoped GCD would take the appropriate steps to address these issues to
- improve its reputation as well. In addition to all the items already discussed, she added there
- were ongoing health and safety issues associated with water heater and furnace installations
- 37 resulting in gas and odor problems within some homes. She stressed GCD's reputation was
- at stake as well as the town's.
- Mr. Tom Sly noted his familiarity with the GCD issues discussed and shared his frustrations
- with the design review approval process which could also negatively impact the town's
- 41 reputation. He shared his experience building in Hideout and noted design approval took
- five months in Hideout versus 4-6 weeks in other towns. He noted this had resulted in
- falling lot prices and could cause potential residents to question whether it was worth
- building in Hideout. He suggested the community should address this problem. Mr.

- Eddington noted the design review committee (DRC) fell under the town's Master HOA and
- 2 Chair Matyszczyk added unfortunately there was no representation of the town council,
- 3 planning commission or homeowners on DRC. Commissioner Woelfle added future
- 4 developments would be created with DRC's with representatives of the town, and input
- 5 from the town planner.

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- 6 Mr. Sly also shared his experience building in Longview and the incorrect water/sewer plans
- 7 the town provided which resulted in extensive additional excavation costs. He asked the
 - Planning Commission to consider obtaining all such plans so future homeowners did not
- 9 experience the problems he did. Mr. Taylor noted the town was working to locate all "as-
- built" plans for existing properties, and currently required them for new development.
- Mr. Larry Goldkind stated he was a five-year resident of Hideout and was happy in town
- even with the frustrations discussed. He asked what potential legal options the town had
- regarding Phase III, given the constraints discussed that might form a legal basis to prohibit
- 14 it's moving forward. He noted this discussion was futile if in fact the town had no recourse
- to stop the project as proposed. Ms. McLean responded most of the issues discussed
- regarding problems with Phase I and II were between the homeowners and the developer;
- the town had taken steps to ensure that prior inspections were done properly. However, the
- town did issue CO's to these homes and at this point she did not see evidence that would
- give the town any cause of action against the developer, although homeowners and the HOA
- 20 possibly did and should consult their attorneys. Chair Matyszczyk added the HOA was still
- controlled by the developer and would not be transferred until all problems were fixed.
- 22 Commissioner Cooper asked if Phase II homeowners had been surveyed to determine
- whether they had experienced similar issues. Mr. Taylor responded his firm was not
- involved in any 90-day inspections but was involved in building code inspections where
- 25 they were catching problems and issuing fails where problems were found. He noted they
- could not catch everything but felt the current inspection program was as good as that of any
- 27 municipality. He also stated inspections were made to the international building code
- standard, not necessarily to the highest "well built" standards.
- In response to a question from Commissioner Turner, Mr. Taylor responded his firm did not
- conduct the inspections on most of Phase I. His firm assumed responsibility midway
- through construction but did have copies of the previous inspections.
- 32 Commissioner Tihansky noted her experience with the developer where she had an
- approximately ten item punch list from the 90-day inspection. She stated all but two items
- were minor and properly fixed, and the remaining items outstanding could not be addressed
- 35 until the spring.
- Commissioner Turner asked about a legal process for having warranties addressed and noted
- her personal experience with multiple leaks and outstanding cosmetic issues. She asked if
- there was basis for a class action lawsuit. Mr. Shadle commented these issues were related
- to inspections more so than for the Planning Commission's consideration. He urged the
- 40 Planning Commission, when GCD appeared next month, to use all the issues discussed here
- 41 to come up with a solution to force GCD to re-design Phase III to be less dense, provide
- 42 more open space and to improve the quality of the town and neighborhood. He suggested if
- 43 the development of Phase III was significantly slowed down with potential legal action, bad
- publicity, and loss of new construction, perhaps the developer would take these comments

- on the proposed development into consideration and fix the historical problems in order to
- 2 move forward.
- 3 Commissioner Woelfle thanked the commenters for their input and agreed to take their
- 4 comments into consideration.
- 5 There being no further comments, the public hearing was closed at 7:09 PM.

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7 IV. <u>Approval of Meeting Minutes</u>

- 8 January 21, 2021 Planning Commission Minutes
- 9 There were no comments on the minutes.
- 10 Motion: Commissioner Tihansky made the motion to approve the January 21, 2021 Planning
- 11 Commission Minutes. Commissioner Turner made the second. Voting Aye: Commissioners
- 12 Matyszczyk, Sapp, Tihansky, Turner and Woelfle. Voting Nay: None. The motion carried.

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V. Agenda Items

1. Recommendation of Dark Skies Ordinance for Town Council

- 16 Commissioner Woelfle led the review of the updated draft of the Dark Skies ordinance. He
- discussed the process for potential Dark Skies certification including on-going education
- 18 requirements. Commissioner Sapp stated it would be worthwhile to attempt meeting the
- 19 certification standards
- 20 Commissioner Tihansky asked who owned and operated the golf course. Commissioner Woelfle
- 21 responded it was the Master Developer, not the town. Commissioner Woelfle noted the
- certification process was 1-3 years and would start with adoption of the ordinance. Other steps
- would be completed over time. He added if the annexation was completed, perhaps the town
- could partner with a future school on the ongoing education component. Mr. Eddington
- suggested the University of Utah might also be a good potential partner for this.
- The commissioners discussed various items within the draft ordinance. Ms. McLean noted town
- ordinances were meant to be living documents and could be amended in the future to
- accommodate changing needs of the town.
- 29 The Planning Commission accepted questions and comments from members of the public:
- 30 Ms. Kathy McGlaughlin noted the HOA's controlled the outside lights in certain communities
- and shared her thoughts on the proposed enforcement terms.
- 32 Mr. John Leone asked if the existing lights in Shoreline Phases I and II would be in violation if
- 33 continued to be on all night.
- 34 Mr. Rutter agreed with the desire to promote dark skies but asked how to practically balance the
- 35 proposed penalties and enforcements for inadvertent, one-time violations versus for repeat
- offenses. He noted with proper community education, any issuance of fines should be a last
- 37 resort. Ms. McLean noted the enforcement procedures could be revised in the future if necessary.

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Mr. Sly noted he had lived in communities with Dark Skies ordinances and stated good 1 2 communication was a key to success. He agreed some level of friendly neighbor support would be beneficial in getting the program established. He volunteered to help with the community 3 4 education program when the time comes. Ms. McGlaughlin also volunteered to help with this initiative. 5 6 Mr. Leone suggested the consideration of dimmers to lower the HOA controlled lighting after a certain hour. He asked about any potential safety tradeoffs if minimizing certain security lighting 7 and whether potential liability risk was being considered. Commissioner Woelfle noted the 8 suggestions for dimmers, timers and motion sensors would provide sufficient security lighting 9 while adhering to the dark skies objectives. Ms. McLean stated she did not have liability 10 concerns regarding the proposed ordinance. Mr. Cooper volunteered to identify the existing 11 12 Shoreline light sensor locations and research potential dimmer and motion sensor options. Commissioner Tihansky left the meeting at approximately 8:30 PM and Commissioner Cooper 13 14 assumed a voting role. 15 Motion: Commissioner Turner made the motion to forward a positive recommendation to the Town Council of the proposed Dark Skies ordinance to include the amendments as discussed. 16 Commissioner Woelfle made the second. Voting Aye: Commissioners Cooper, Matyszczyk, 17 Sapp, Turner and Woelfle. Voting Nay: None. The motion carried. 18 19 20 2. General Planning Updates There was no discussion on this topic 21 22 23 VI. Meeting Adjournment 24 There being no further business, Chair Matyszczyk asked for the meeting to be adjourned. Motion: Commissioner Woelfle made the motion to adjourn the meeting. Commissioner 25 Turner made the second. Voting Aye: Commissioners Cooper, Matyszczyk, Turner, Sapp, and 26

The meeting adjourned at 8:39 PM.

Woelfle. Voting Nay: None. The motion carried.

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Kathleen Hopkins, Deputy Town Clerk

File Attachments for Item:

1. KLAIM: Update regarding retaining walls (proposed changes from original approval)	



Staff Review of Proposed Changes to Retaining Walls

To: Planning Commissioners

Town of Hideout

From: Thomas Eddington Jr., AICP, ASLA

Town Planner

Re: **KLAIM**

Date: March 16, 2021

Materials: The Applicant met with the Town Engineer and Planner on site to discuss the

proposed changes to the retaining walls; photos included from that visit

The Applicant is requesting a change to the retaining walls for the KLAIIM project – from stacked rock to gabions with rock. The Town Planner and Engineer agree that this proposal meets the intent of the original approval but determined the change warranted an update to the Planning Commission. The Town Planner and Engineer met with the Applicant and his team (including the structural engineer) on site in February to ensure the proposed wall meets all structural requirements of the Town Code as well as to ensure the aesthetic character of the Town is maintained.





File Attachments for Item:

1	Public Hearing	for Deer Waters	Phases 3 and 4	Final Subdivision
	. I uone Hearing	TOT DOCT Waters	T Hases 2 and -	r i iliai Subulvisioli



Staff Review of Subdivision Plans Submittal

To: Planning Commissioners

Town of Hideout

From: Thomas Eddington Jr., AICP, ASLA

Town Planner

Deer Waters - Phases 3 & 4 Plan Review Re:

Date: March 15, 2021

Submittals: The Applicant submitted the following plans:

Phase 3 - Construction Plans dated/stamped March 3, 2021

Phase 4 - Construction Plans dated/stamped March 3, 2021

I have completed an initial review of the Deer Waters Phases 3 & 4 Final Subdivision plans and offer the following Conditions of Approval:

Phases 3 & 4

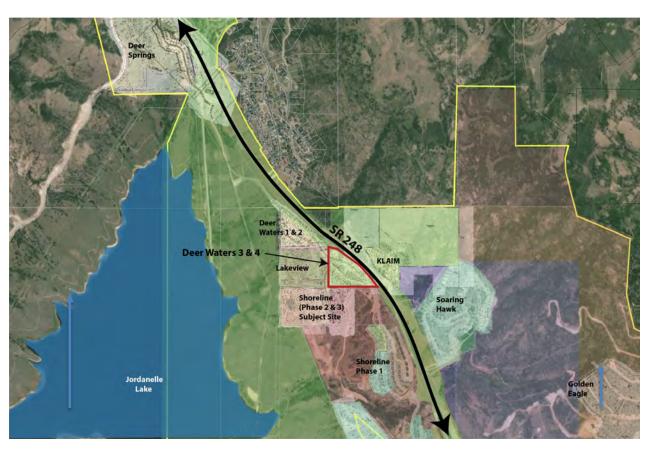
- 1. Sheet G1.3 of construction plan set should be corrected to indicate a Phase 3 that includes 22 units and a Phase 4 that includes 22 units. The current submittal does not include a Phase 4 count. The total/maximum number of units for all Deer Waters development (Phases 1 - 4) is 102 units.
- 2. All streets are indicated at 26'-0" wide; a paved bike lane shall be incorporated into all new streets per Town code.
- 3. Sheets G1.10 and G1.11 of the construction plan set should be updated to include retaining wall locations and sizes (including top of wall/TW and bottom of wall/BW elevation points).
 - Per the Town's zoning ordinance:
 - No retaining wall shall be greater than six feet (6'-0") tall and no more than two retaining walls may be terraced. If two (2) retaining walls are terraced, each wall shall have a maximum height of five feet (5'-0") and a minimum of five feet (5'-0") horizontal distance between each wall, with this horizontal space planted with native vegetation (or other materials as



approved by the Town Planner). A third terraced wall is not permitted on the same parcel and shall not be located closer than 25' to any other wall (or set of two terraced walls), measured horizontally on a topographic survey (plan view).

- The Applicant shall adhere to the Town's code and provide a detailed retaining that must be approved by the Town Planner.
- A structural analysis of these walls must be provided once a final retaining wall plan is accepted by the Town Planner and Town Engineer.
- A section of a typical tiered wall must be provided including materials, planting in the horizontal breaks, etc.





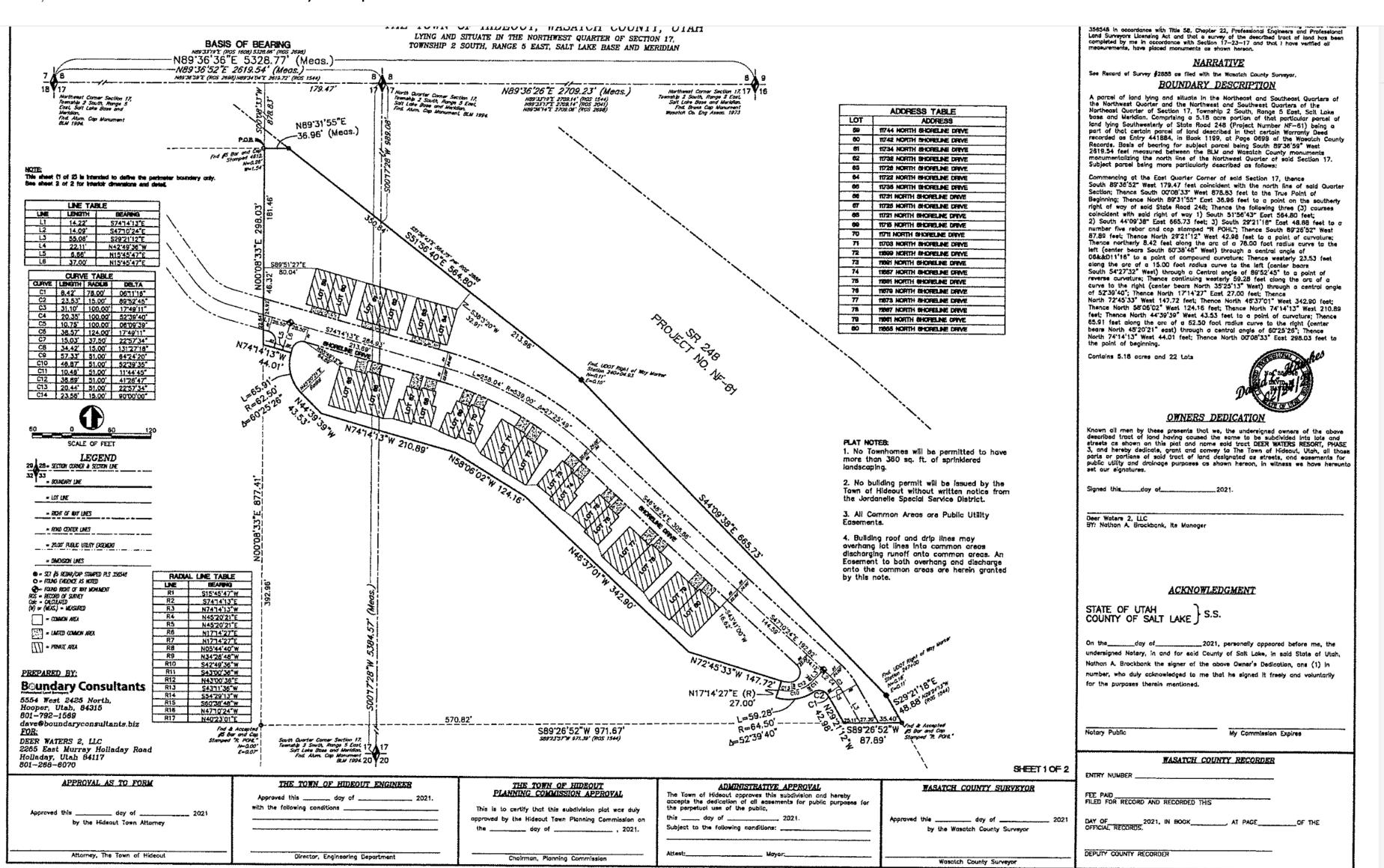
4. Park/Playground: The Applicant must define when the construction of the park will be completed. Staff recommends the park shall be completed prior to the Applicant obtaining the final twelve (12) building permits for Phase 4 construction.



- a. The proposed amenities and detailed site design for the park have not been provided and shall be included in the construction plan set. Final design must be approved by the Planning Commission. At minimum, this park shall include:
 - i. Two (2) sports courts
 - ii. A playground
 - iii. Covered seating and picnic areas
 - iv. Landscaping including shade trees
 - v. If fencing is required, this must be approved by the Town Planner. No chain link fencing is permitted.
- 5. Trails: Proposed trails (and surface type) to be completed as part of Phases 3 & 4 shall be included on the construction plan set and noted on the proposed subdivision with an easement to allow public use for pedestrians and bikes.
- 6. Streetscape amenities; lighting, signage, etc. should be provided construction details, sign type (if proposed), and materials/colors.
- 7. A Landscape Plan shall be provided for all of Phases 3 and 4 prior to commencement of any construction (and prior to issuance of any Building Permits) on Phase 4. This plan must include street trees, common area and yard landscaping, entry features, and slope stabilization plantings where necessary - slopes greater than 50%. This plan must be approved by the Town Panner.

In addition to these Conditions of Approval, the Town Engineer recommends inclusion of the following:

- 1. All retaining walls shown on the proposed plans greater then 4 feet in height will need to be designed, submitted to the town, reviewed and approved prior to construction.
- 2. A subdivision construction permit, improvement agreement, and all fee's and bonds, will be required prior to any construction.
- 3. A final plat (mylar) is subject to review may require additional notes and corrections.
- 4. Recording of the subdivision will require a performance bond in accordance with current Town code, or formal acceptance of all improvements prior to recordation.

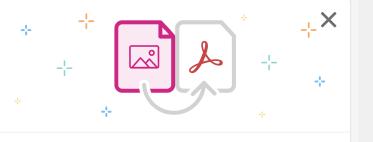


Deer Wat	ers Phase 3 Preliminary Plat
SHARED .	Mar 8, 3:45 AM

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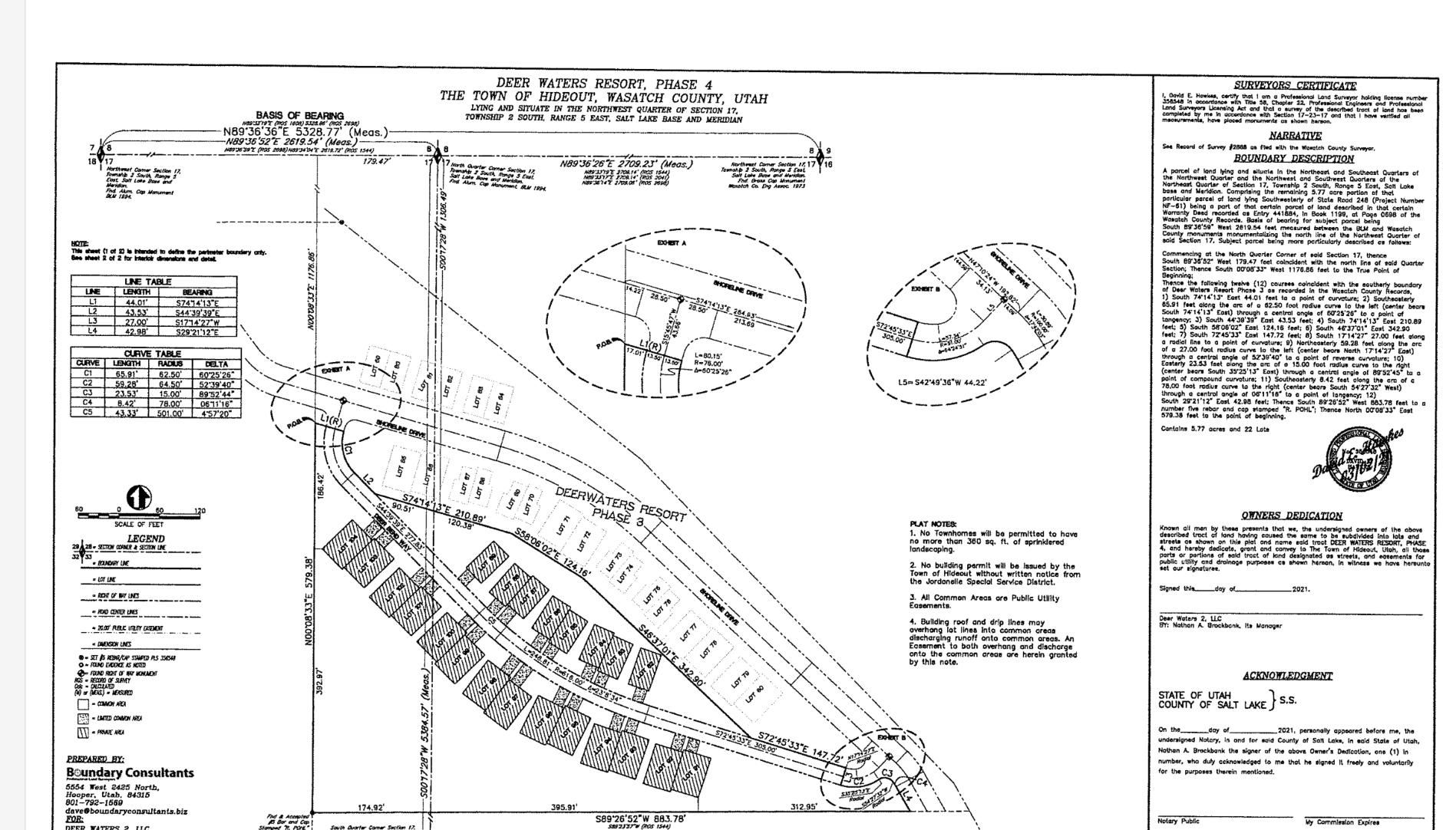
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File Attachments for Item:

2. Public Hearing for Shoreline Phase 2 (amended) and Phase 3 of the Shoreline Subdivision
(continued from February 18, 2021 meeting)



Staff Review for Planning Commission

To: Chairman Tony Matyszczyk

Hideout Planning Commission

From: Thomas Eddington Jr., AICP, ASLA

Town Planner

Re: Shoreline Phase 3 (and Amended Phase 2)

Date: March 15, 2021

The Applicant uploaded the required submittal materials on January 4th, January Submittals:

5th and January 15th for Town review.

A. Project Background

The Applicant has submitted the following plans:

Phase 2 (Amended)

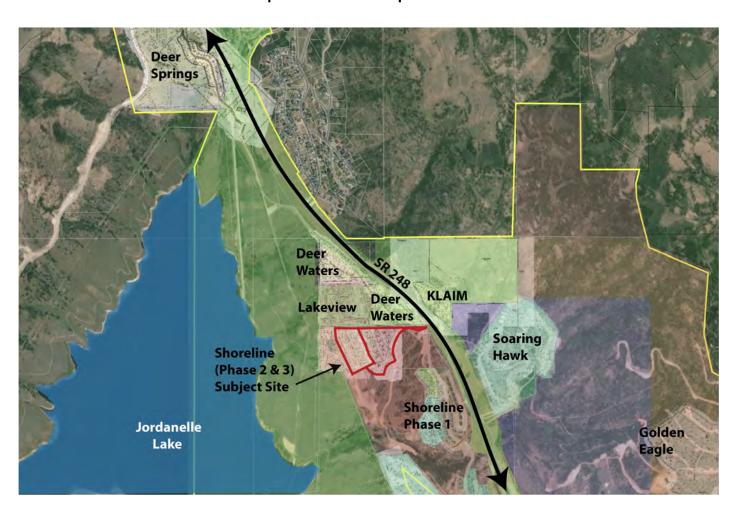
- Amend Phase 2 Subdivision and move lots 2 16 from Upside Drive (uphill) lots) to Sailwater Lane (downhill lots) to accommodate increased desirability and increased sale prices associated with downhill lots.
- o Phase 2 (Amended) has 46 lots dispersed on 9.5 acres.
- o Phase 2 is located in the Resort Village Medium Density (RVMD) zoning district.
- o There is a Master Development Agreement (MDA) for this project, dated March 11, 2010.

Phase 3

- Phase 3 is a new submittal for Shoreline; the Planning Commission has not previously reviewed this phase.
- Phase 3 has 46 lots dispersed on 9.7 acres.
- Phase 3 is also located in the Resort Village Medium Density (RVMD) zoning district.
- o There is a Master Development Agreement (MDA) for this project, dated March 11, 2010.

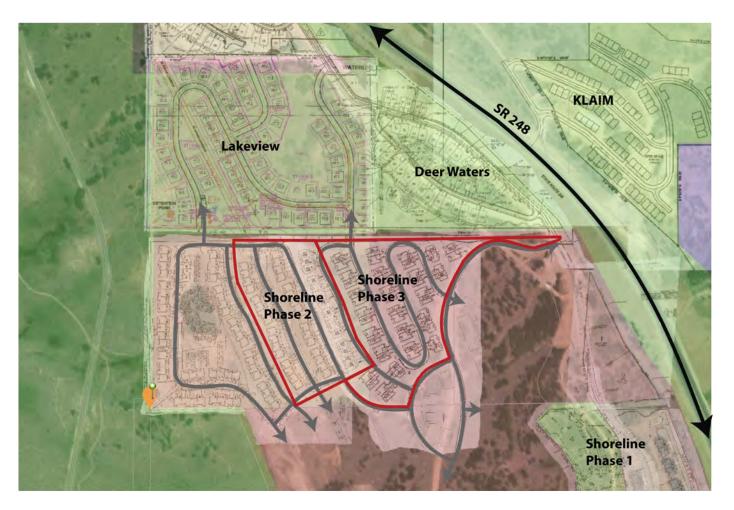


Town Map - Location of Proposed Subdivision





Immediate Site Context Map



B. General Planning Notes

An initial review of the proposed Phase 2 (Amended) and Phase 3 Subdivision indicates the following issues must be addressed:

Phase 2 (Amended) and Phase 3

1. The Applicant previously submitted a subdivision application for Phase 2 and, with the changes proposed, is submitting an amended Final Subdivision Application for Phase 2 (Amended). The Applicant submitted a Preliminary Subdivision application for Phase 3 and received approval for that preliminary submission on December 8,



2016 from Town Council. This application/review is therefore for Final Subdivision review for both Phase 2 (Amended) and Phase 3.

2. The Open Space Tabulation Chart on the proposed Phase 3 Subdivision needs clarification. The calculations indicate:

Open Space Area: 234,246 SF Some of this is Common Area, some is

presumably Park/Open Space, etc. To be

clarified.

Impervious Area: 189,684 SF Does this include both structures and

roadways?

Total Area: 423.970 SF 9.7 acres total

- 3. The width of the proposed roads (pavement/cart way) as well as right-of-way area should be clearly noted on the supporting plans.
 - a. For Phase 3, the roads appear to be 18'-0" of asphalt and 5'-0" of curb and gutter for a total of 23'-0" in width. The Applicant must confirm that is correct for all roadways proposed. The Applicant must further confirm that curb and gutters be provided for all proposed roads.
 - b. No right-of-way width is illustrated.
 - c. Where is visitor parking proposed to be located? None is illustrated on the plans. Possible 'bump out' areas with signage? Additional visitor spaces such as those incorporated into Shoreline Phase 1? How many are proposed?
 - d. Pursuant to the Town's code, all roads shall have a 4'-0" wide painted bike/pedestrian lane incorporated to ensure safe accessibility for nonvehicular users.
 - e. The Phase 2 (Amended) Subdivision is missing any reference to road widths and rights-of-way widths. These must be provided.
- 4. Open space, parks, and trails must be clearly noted on the plan for the Parks, Open Space & Trails (POST) committee to review and provide input and, ultimately, signoff.
 - a. Section 13.1.1 of the MDA requires 25% of the Project shall be Open Space.



- b. This dedicated Open Space shall be clearly and definitively illustrated on the plans and shall meet the Town's Open Space requirements:
 - Code: Open Space. An area of open land, with little or no land disturbance, preserved, enhanced and/or restored in order to maintain the natural, scenic, ecological, cultural, hydrological, geological, or agricultural values of the land. Open Space may include trails and park bench style seating; interpretive signage and kiosks for educational purposes; and agricultural activities.
- c. The preliminary plans submitted to the Planning Commission in 2016 included 6.7 miles of pedestrian-only trails and/or sidewalks along proposed roads. These must be clearly delineated on the subdivision plans.
- d. The total area of the MDA 'density pods' or project areas or subdivisions (nomenclature varies by document reference) is 1305 acres. 25% of this total equates to: 326 acres. A Town-wide review of the existing status of the following subdivisions that make up this 1305 acres is necessary to ensure the 326 acres are adequately dedicated and protected as Open Space:

Na	<u>ıme:</u>	Acreage per MDA:
•	Shoreline (all phases; except phase 1?)	46.439 +11.585
•	Plumb	
•	Silver Sky	12.824
•	KLAIM	
•	Soaring Hawk	72.567
•	Golden Eagle	123.224 + 106.738
•	Hideout Canyon (all phases)	9.800 + 27.559
•	Glistening Ridge	45.890
•	Rustler	18.055
•	North End of HOA Project (unnamed)	<u>106.803</u>
		581.484 Acres (Total)

e. The total acreage of the MDA 'density pods'/subdivisions is 581+ acres according to the above noted calculations taken from the MDA. The Applicant will need to explain how the total of 1305 acres was derived while the Town undertakes a review of the MDA to assess the accuracy of acreage calculations.



- f. The MDA, at signing, included 280 acres of area owned by the developer but out of the Town of Hideout limits. A review of whether this land was/is under the jurisdiction of the Town and/or MDA should be conducted.
- g. The issues noted in 'd, e, and f' will have an impact on the total acreage of Open Space required.
- h. The Applicant submitted the following chart indicating the open spaces requirements of the MDA. Staff will conduct a review of this submittal and compare to the other approved subdivisions included in the MDA/Master HOA to ensure overall compliance with the minimum open space requirements. The MDA appears to define 'open space' as any space not covered by a building, road or parking. While this does not meet the Town's Zoning Ordinance definition, the Applicant may be vested pursuant to the MDA. Staff will research alternatives. See #9 below for a detailed review of the density tables submitted by the Applicant.

Opens Space % for GCD/Shoreline Sites				
	SF total	Impervious SF	Open SF	% open
Rustler	874,285	323,090	551,195	63%
Shoreline 1	792,129	248,716	543,413	69%
Shoreline 2	852,668	418,319	434,349	51%
Shoreline 3	423,930	189,684	243,246	55%

Open is defined as all common areas outside any hardscape: Buildings, drives, roads, parking

- 5. The topography map illustrates existing conditions and proposed conditions but is not clear on areas of cut and fill. These should be shaded on the map and color coded. The contour lines on the northern property line do not appear to match those on the adjacent property. These connections must be revised significantly.
- 6. The plans illustrate only two (2) proposed retaining walls for Phase 3 and none for Phase 2 (Amended). The Applicant shall confirm whether this is accurate or if more are proposed:
 - a. One is located on the north side of the proposed Phase 3 (between Deepwater Drive and Recreation Drive.
 - The Applicant shall confirm the maximum height of this wall; it appears to be approximately 4'-0" high at its highest point.



- b. The other is along Deepwater Drive, along the southernmost area near the loop.
 - The Applicant shall confirm the maximum height of this wall; it appears to be between 6'-0" to 8'-9" high at its highest point.
- c. The northern and southern loops of Deepwater Drive, Sailwater Lane, and Upside Drive appear to have very steep slopes and may require retaining walls. The Applicant shall provide the slope in these areas as well as the proposed slope stabilization mechanisms.
- d. The following is the Town's new ordinance requirement for retaining walls:
 - A structural analysis of these walls must be provided.
 - A section of a typical tiered wall must be provided including materials, planting in the horizontal breaks, etc. The finish for all retaining walls shall be natural rockery (stacked boulders).
 - Code: No retaining wall shall be greater than six feet (6'-0") tall and no more than two retaining walls may be terraced. If two (2) retaining walls are terraced, each wall shall have a maximum height of five feet (5'-0") and a minimum of five feet (5'-0") horizontal distance between each wall, with such intervening space being planted with native vegetation (or other materials as approved by the Town Planner). A third terraced wall is not permitted on the same parcel and shall not be located closer than 25' to any other wall (or set of two terraced walls). measured horizontally on a topographic survey (plan view).
- 7. A final Landscape Plan must be provided for review and approval by the Planning Commission. This must include the location for all proposed trees, shrubs, and planting beds including the botanical names, quantities, and size at the time of planting:
 - a. Code: All required deciduous trees shall have a minimum of two-inch caliper in size. All evergreen trees shall be a minimum of six feet in height. All shrubs shall be a minimum of five gallons in size.
- 8. The Applicant has only three (3) distinct building elevations. No more than 20% of the units in the development can have the same elevation. With 46 units proposed, the Applicant will need a minimum of nine (9) distinct building elevations:



- a. Code: Major Subdivisions (6 lots or more) shall not have greater than twenty (20%) of the structures with the same elevation and, in no case, shall any two (2) similar structures be located adjacent to each other or directly across the street. The differentiation of each structure shall be a combination of unique roof lines, garage step backs, entry/porch location and canopy, fenestration, building materials, and colors.
- b. A detailed set of building elevations must be submitted to ensure compliance with the Town's Building Design Standards.
- 9. Density: Pursuant to the MDA, the overall allowed density within the Master HOA Association area is 1.5 ERU (Equivalent Residential Units). At 1305 total acres, the maximum ERUs is 1958 for the entire Master HOA Association area (AKA Community Preservation Association). This maximum density is derived from the total ERUs that make up the following subdivisions (or density pods in the MDA):

Na	ame:	Acreage per MDA:
•	Shoreline (all phases; except phase 1?)	46.439 +11.585
•	Plumb	
•	Silver Sky	12.824
•	KLAIM	
•	Soaring Hawk	72.567
•	Golden Eagle	123.224 + 106.738
•	Hideout Canyon (all phases)	9.800 + 27.559
•	Glistening Ridge	45.890
•	Rustler	18.055
•	North End of HOA Project (unnamed)	<u>106.803</u>
		581.484 Acres (Total)

- b. The total acreage of the MDA 'density pods'/subdivisions is 581+ acres according to the above noted calculations taken from the MDA. The Applicant will need to explain how the total of 1305 acres was derived while the Town undertakes a review of the MDA to assess the accuracy of acreage calculations.
- c. The MDA, at signing, included 280 acres of area owned by the developer but out of the Town of Hideout limits. A review of whether this land was/is under the jurisdiction of the Town and/or MDA should be conducted.
- d. The issues noted in '9. b and c' will have an impact on the total density allowed within the Master HOA.



e. The Applicant submitted the following tables outlining current density allocations for the MDA/Master HOA area:

Shorline Overall		
Approved	Units	
PA 1	42	
PA 2	12	
PA 3	16	
PA 4	124	
PA 5	58	
PA 6	111	
PA 7	145	
PA 8	192	
PA 9	0	
T	700	

Mustang Development - RSPA I	Final Approval	
Subdivision	Units	Units
Rustler	88	88
Forevermore	13	13
Phase 2-4 Lots	48	48
Phase 2-4 Pod Lots	21	21
Phase 2a Lots	4	4
Plat A Lots 16 & 17	2	2
Phase 8 lots	9	9
Phase 8 pods	6	6
Reflection Lane	9	9
Phase 1	30	30
Phase 1 Twin homes	8	8
Phase 1 Pod 4	5	5
Phase 1 Pod 9	4	4
Silver Sky	26	26
Soaring Hawk (all phases)	154	152
Golden Eagle	316	315
Shoreline (700 units approved)	700	153
Settlement (150 units approved)	122	122
	1,565	1,015

f. Staff will review these numbers and compare to the Town's records to ensure accuracy. The issues regarding acres included in the initial calculations for density determination in the MDA remain unanswered at the current time.



Phase 2 (Amended) - Specific Planning Issues

- 1. Note #1 in the 'Notes' on the Phase 2 Amended Subdivision states that 'all common area is to be considered a drainage and public utility easement.'
 - a. The Applicant has not illustrated the existing Public Utility Easement(s) on the proposed subdivision plan. This should be shown on the proposed subdivision.
 - b. This note should be revised to identify the areas that are common areas for HOA use vs. those areas that will be designed for green drainage infrastructure and those that will be used as parks and open space.
- 2. The original submission for Phase 2 approval included a Landscape Plan with an Aspen Grove that was to be preserved and incorporated into a park and integrated trail system. Per a site visit in January, all of the trees included within this area to be preserved have been removed. The Applicant shall explain this deviation from the previously approved Phase 2 subdivision plans and how this oversight will be resolved.

C. Master Development Agreement for the Hideout Canyon Master Planned Community (dated March 11, 2010) - Additional Documentation Needed

- 1. The RSPA map is referenced several times relative to the overall MDA approvals but is not included in the MDA document. The Applicant should provide a copy of that map for the Planning Commission.
- 2. Pursuant to the MDA, the following plans were submitted for a public hearing to the Town Council for Preliminary Plat approval on December 8, 2016. The plan illustrates the following amenities that the Applicant should discuss the timeline to develop:
 - a. Community swimming pool, amphitheater, bocce ball courts, etc.
 - b. Splash pad, event lawn, etc.
 - c. Proposed park area, trails, open space, etc.
 - d. The Aspen Grove Recreation Park
 - e. The Canyon Recreation Area



General Location of Phases 2 & 3 per the Concept/Preliminary Submittal in 2016



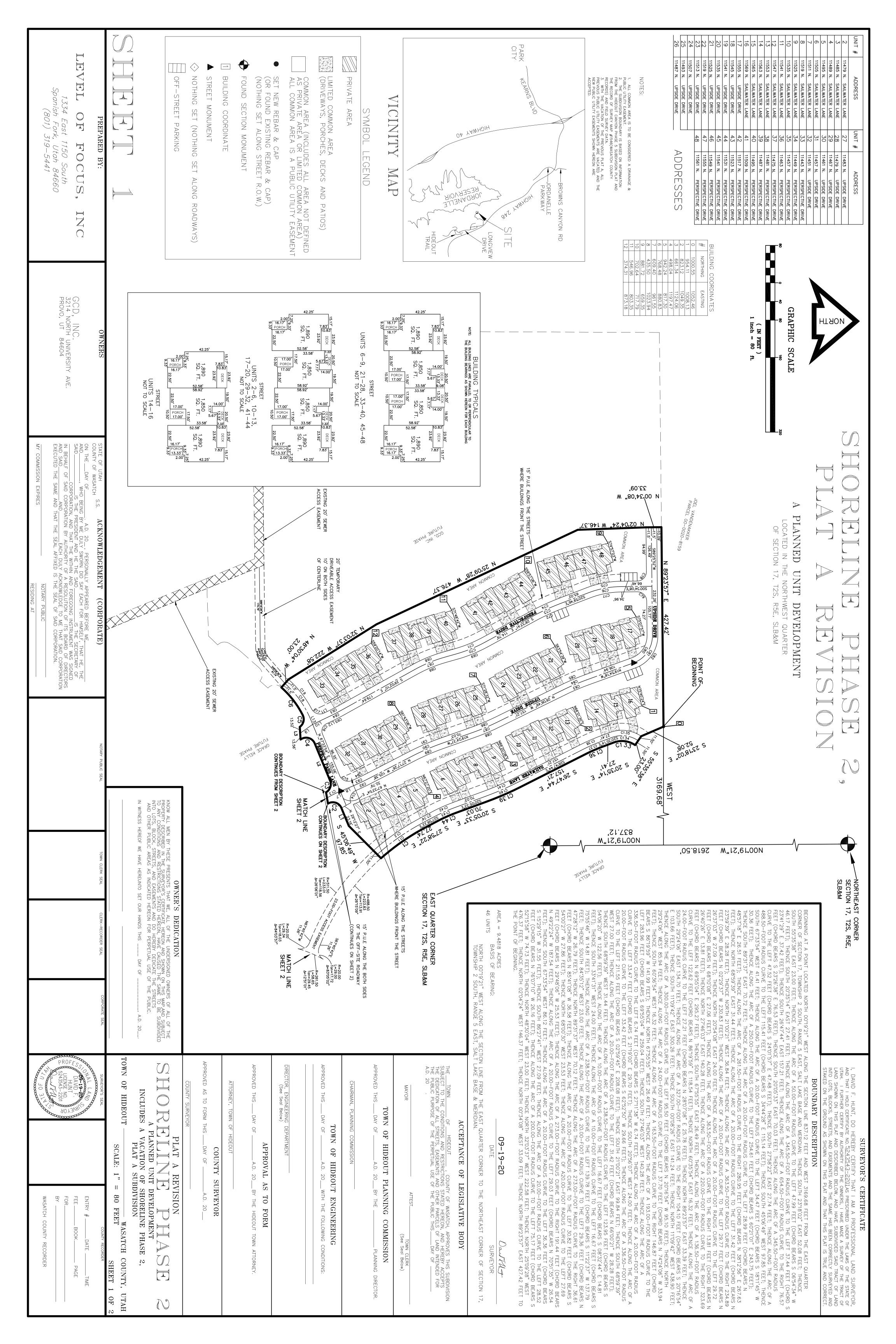
D. Code Requirements for Subdivision Review

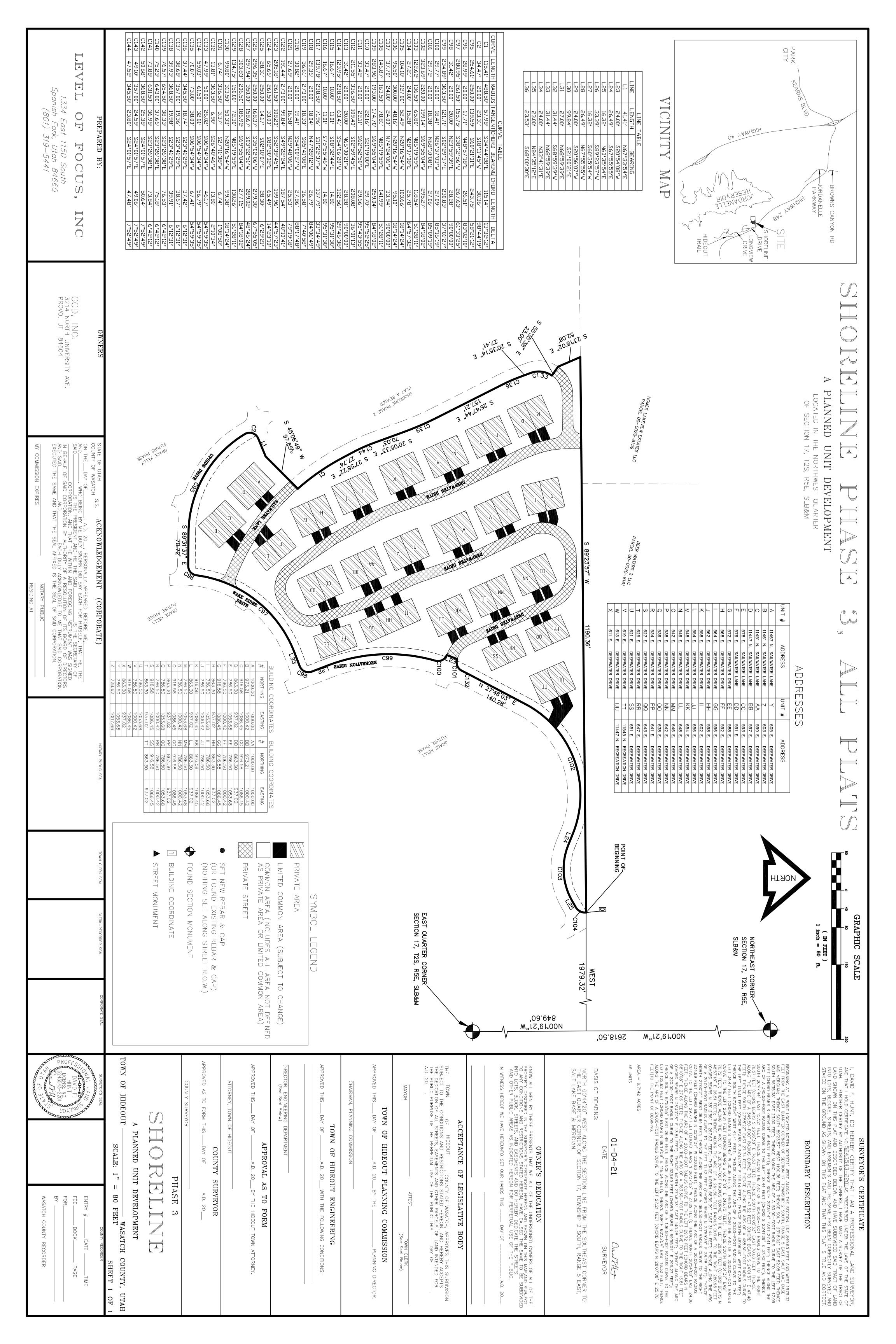
The following submittals and/or revised documents are outstanding and required pursuant to Section 11.06.21.01 (Subdivision Application Submittals) of the Town Code:

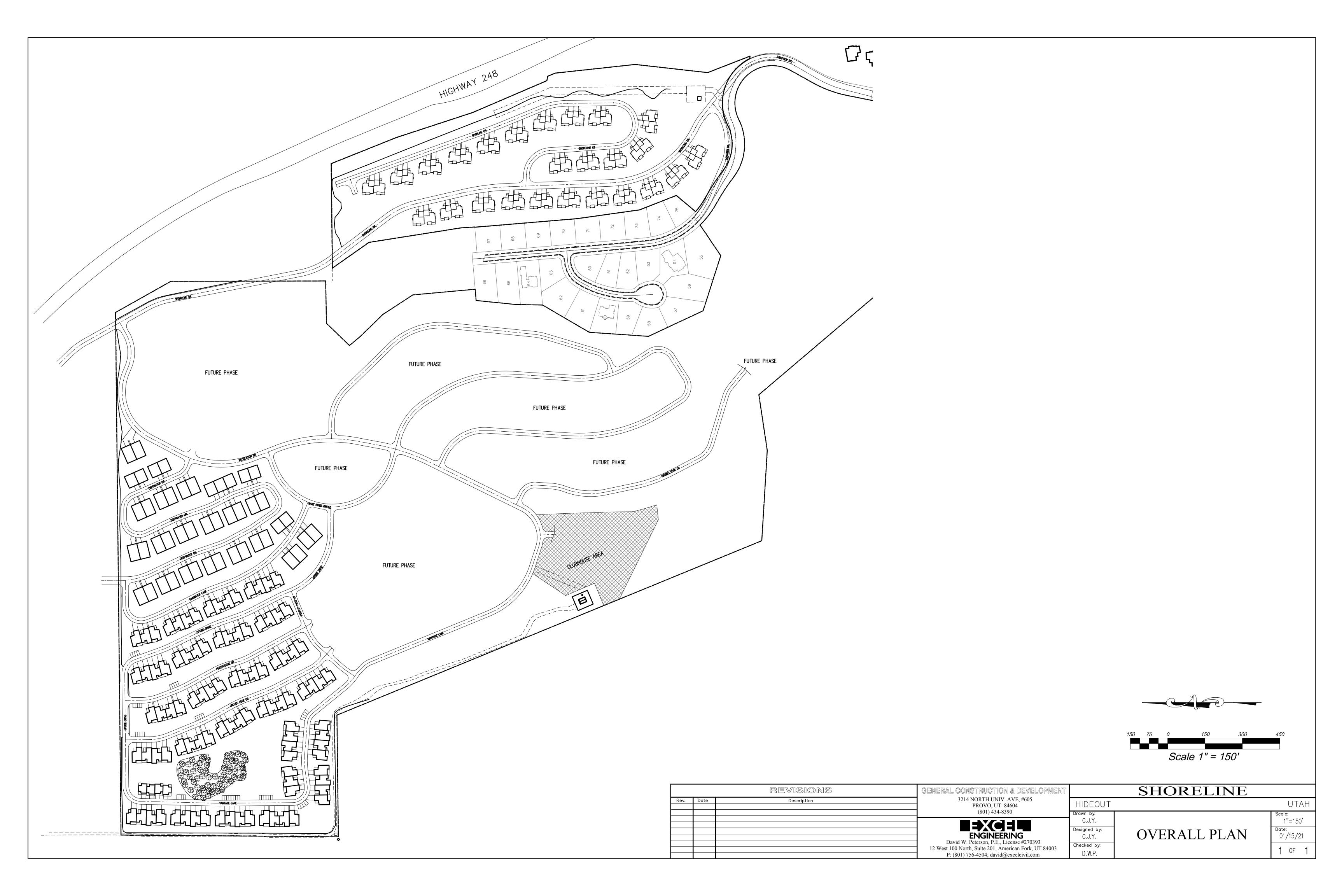
- 1. Trails, open space, and park area designated areas
- 2. Easements: public, private, access, etc.
- 3. Landscape Plan for Phase 2 (Amended) and Phase 3



- 4. A Traffic Study
- 5. An Evacuation Study
- 6. Sensitive and steep slope (greater than 30%) analysis color coded
- 7. Sections for proposed retaining walls
- 8. Visitor parking plan
- 9. Street lighting plan; fixtures, dark sky compliance (including color temperature)
- 10. Architectural plans and elevations (full suite)





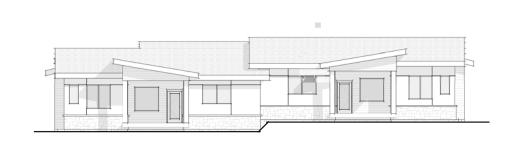




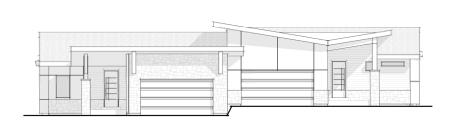


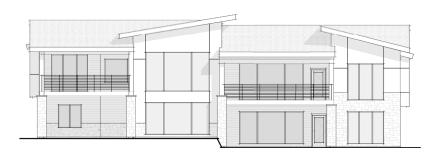
OPTION A





OPTION B





OPTION C





10420 N. Jordanelle Blvd. Heber City, UT 84032 435-940-9636

Ryan,

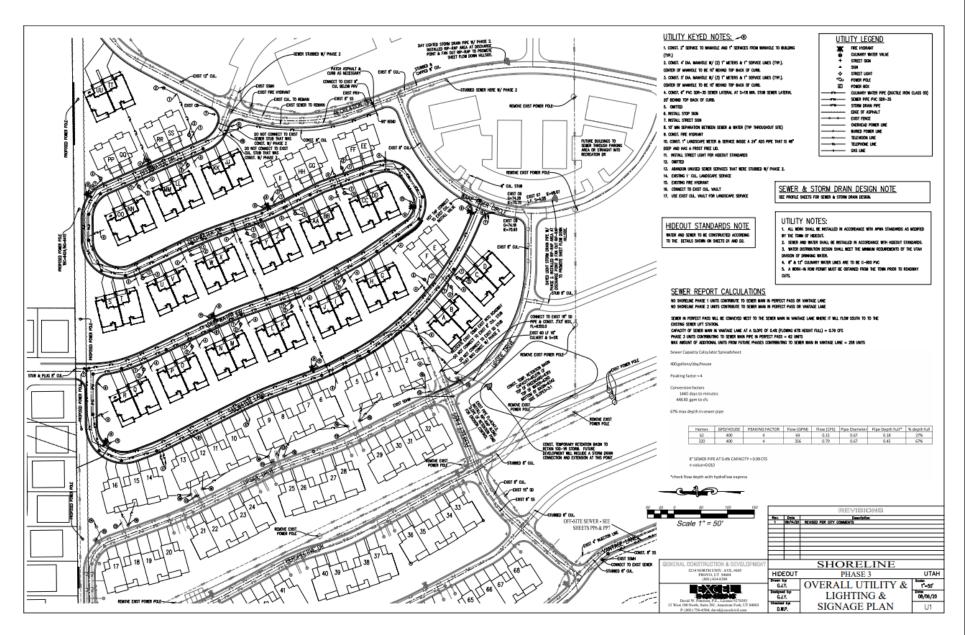
Wasatch Fire has completed the intial review of Shoreline Phase 3 with the following comments.

- Secondary access is still needed for Shoreline Phase 2A as a condition of the final approval granted on March 8, 2019. The provided access connection on Wake Rider Circle is still only a single point access. As per the approval letter for 2A, permanent secondary access is required prior to any further approvals.
- Roads must be a minimum of 26-foot unobstructed width for their entirety. Parking must be regulated to approved locations and not obstruct apparatus access roads.

<u>Wasatch Fire cannot approve the plans as submitted</u> due to the single point of access for Shoreline 2A and the proposed Phase 3 due to the single point of permanent access onto Recreation Drive. All roads (Deepwater Drive, Sailwater Drive and Upside Drive) have a single connection point on Recreation Drive. Any emergency at or near Recreation Drive would render it unusable and impede evacuations.

Also of concern is the winding road of Deepwater Drive, how are these homes to be addressed. It appears that the potential for a delayed response due to the closeness / similarity of addresses is problematic.

WASATCH FIRE DISTRICT.



T-O ENGINEERS

January 16, 2020

Mayor Phil Rubin Town of Hideout 10860 No. Hideout Trail Hideout, UT 84036

RE: Shoreline Phase 3 Final Review

Dear Mayor Rubin,

We have concluded a review of the plan set for Shoreline Phase III and have the following comments:

- 1. AGEC's review of IGES's geotechnical report is attached at the end of this letter. IGES should resolve the comments in that letter. Specifically,
 - a. IGES should review the latest grading plans to determine if the proposed grading is suitable.
 - b. IGES should observe conditions at the time of construction.
 - c. Review of the design of proposed retaining systems is required.
- 2. On the grading/drainage plan, please add or modify the following:
 - a. There are fill limits extending over the property line. Please address.
 - b. Cut/fill limits are not clearly shown, please show limits of disturbance (LOD) on the grading and SWPPP plans.
 - c. On fill slopes 2H:1V and steeper, please provide stabilization details.
 - d. Show, at a minimum, 5-ft major contour labels for the existing surface.
 - e. Please show slope labels on your areas of mass cut/fill.
 - f. The surface flow distance along Upper Lakeview Drive appears to exceed gutter capacity an additional a storm drain catch basin (SDCB) on both sides of the street at the grade break in between Units KK and LL would reduce the flow length.
 - g. Is there any bypass of the existing SDCB that flows around the curb onto Lakeview Drive from Recreation Drive? Ensure that this is accounted for if there is.
 - h. Ensure that proposed contour lines meet daylight at existing contour lines. Ensure that both the existing and proposed contours are at the same intervals per foot (i.e. 1 contour every 2 feet or 1 contour every 1 foot).
- 3. Regarding the Street Plans, please add or modify the following:
 - a. As a health and safety requirement, the roadways must meet current Town roadway cross section requirements. This includes a minimum of 26 feet of asphalt. Please reference the Wasatch County Fire Chief's letter.
 - b. Please identify the roads as public or private.
 - c. Please show slope labels on all profiles as several are missing centerline grade labels. E.g., PP4 and PP8.



- d. Please provide guardrails on slopes steeper than 3H:1V where the drop is greater than 8 ft (E.g. Lakeview Drive).
- e. The intersection of Lakeview Drive and Perfect Pass Lane should be shown as a 3-way stop
- f. Place a key map on the plan and profile sheets.
- g. Driveway slopes should be limited as much as possible, but 14% is the standard accepted max grade for a driveway in the area.
- 4. Regarding the Utility Plans, please add or modify the following:
 - a. Show where gas and electrical conduit trench will run or reference the roadway cross section detail showing location on the gas and power sheet. Please ensure adequate separation between electric and gas lines.
 - b. Show water lines on the profiles as well. Including valve and tee locations on the profiles
 - c. Ensure 10' separation between water and sewer main lines. Please also include a detail identifying the proper vertical separation and protection of the culinary water lines in the location of water and sewer main crossings.
 - d. A PRV would be required along Deepwater Drive to avoid short-circuiting the existing PRV along Recreation Drive (shown in the red circle below). In lieu of constructing one along Deepwater Drive, we recommend that a PRV be installed along Shoreline Drive in the area of the blue-green circle identified below to create a regional pressure zone.



- 5. On the SWPPP plan, please add or modify the following:
 - a. There are downhill slopes without perimeter controls (silt fence, waddle, berm, etc.)



- b. Please show a dumpster location. If a location can be found for the dumpsters off-road, this could ease the congestion on the roadways.
- 6. Submit a draft plat and record of survey. It appears that phase 3 will conflict with phase 2A. An amendment to 2A will need to be submitted concurrently with the phase 3 plat approval. Our recommendation is add Units 2 through 16 to phase 3. The phase 2 plat would therefore solely include the residences fronting on Upside drive.
- 7. Submit a lighting and signage plan including details.
- 8. Submit a parking plan.
- 9. Present a design report for the proposed retaining walls.
- 10. Stamp and sign the plans as this is final.

Ryan Taylor

Please let us know if you have any questions or if you would like to meet to discuss these comments.

Sincerely,

T-O Engineers

Ryan Taylor, P.E.

Project Manager



November 24, 2020

T-O Engineers 2175 West 3000 South, Suite 200 Heber City, Utah 84032

Attention:

Dillon Bliler

EMAIL: dbliler@to-engineers.com

Subject:

Geotechnical and Geologic Review

Proposed Shoreline Phase 3 Development

Perfect Pass Lane Hideout, Utah

Project No. 1200937

Mr. Bliler:

Applied Geotechnical Engineering Consultants, Inc. is pleased to provide a geotechnical and geologic review of the report prepared by IGES for Phase 3 of the Shoreline development located at Perfect Pass Lane in Hideout, Utah. The report is dated July 7, 2020 and has IGES Project No. 00733-022. We were also provided with plans dated August 6, 2020 prepared by Excel Engineering.

PROPOSED CONSTRUCTION

We understand that the site is planned to be developed for townhouses.

REVIEW COMMENTS

Based on a review of the information, the geotechnical and geologic report is generally suitable for the proposed construction. IGES does not provide recommended permanent unretained slopes for the project, but indicate "The proposed grading shows that, at its steepest point, the slope will be 3H:1V". The grading plans provided for our review show proposed slopes as steep as 2 horizontal to 1 vertical. IGES should review the latest grading plans to determine if the proposed grading is suitable. They should observe conditions at the time of construction, particularly with the significant grading planned for the site.

T-O Engineers November 24, 2020 Page 2

Note that the grading plan does not appear to be complete since proposed contours do not tie in with existing or other proposed contours in many areas. This likely indicates that some retaining walls will be constructed for the project. Review of the design for proposed retaining systems is recommended.

LIMITATIONS

This letter has been prepared in accordance with generally accepted geotechnical engineering practices in the area for the use of the client. The review is based on the information provided. We have not been to the site or had experience with soil conditions at the site.

If you have questions or if we can be of further service, please call.

Sincerely,

APPLIED GEOTECHNICAL ENGINEERING CONSULTANTS, INC.

高 No. 26005**7** 3 DOUGLAS/**3**

HAWKES DOUGLAS R.

Douglas R. Hawkes, P.E., P.G.

Reviewed by JRM, P.E.

DRH/rs