Midway City Council 7 December 2021 Regular Meeting

The Village Development / Concept and Master Plan



CITY COUNCIL MEETING STAFF REPORT

DATE OF MEETING:	December 7, 2021
NAME OF PROJECT:	The Village
NAME OF APPLICANT:	Midway Heritage Development, LLC
AUTHORIZED REPRESENTATIVE:	Daniel Luster
AGENDA ITEM:	Master Plan Concept Amendment
LOCATION OF ITEM:	541 East Main Street
ZONING DESIGNATIONS:	C-2

ITEM: 5

Dan Luster, agent for Midway Heritage Development LLC, is proposing a master plan amendment for The Village. The proposed revised plan is a mixed-use development that contains both commercial and residential uses. The proposal includes at least 44,128 square feet of commercial space in multiple buildings, 143 dwellings, park, and trails, to be developed in five phases. The master plan is on 27.47 acres and contains 8.81 acres of open space. The property located at 541 East Main is in the C-2 zone.

BACKGROUND:

Dan Luster, agent for Midway Heritage Development LLC, is proposing to amend the approved concept of the master plan for The Village that was originally approved by the City Council on May 18, 2021. On August 17, 2021, the City Council approved a conditional zone map amendment that, once all conditions have been met, will rezone the entire property to C-2. The applicant is now proposing to amend the approved concept master plan to a revised master plan that is based on the C-2 zoning regulations for

mixed-use projects and on the conditions approved by the City Council for the rezoning for the property. The City Council's motion for the conditional zone map amendment included the following conditions:

• The amendment to the Land Use Map was not official until a master plan agreement was signed and recorded by the applicant and the City.

• The concept plan, recorded with the master plan, was the only development that could occur on the property and the layout would be substantially similar to the approved concept plan.

• The density of the development was limited to 143 residential units.

• The minimum setbacks would correspond with what was shown on the concept plan included as Exhibit 5 (Proposed Rezone Concept Plan (August 17)) in the supplemental file for the meeting.

• Adjustments could be made if all parties agreed.

• The automotive shop and other buildings on Parcel 00-0006-6261 would be included in the master plan application as open space.

• Acknowledged that the first application would have to be withdrawn so that the second application could be approved.

• All commercial uses except Home Occupation Businesses, as defined in the City Code, would be located only in the buildings designated as commercial on the revised concept plan.

• Both the Developer and the City agreed that gas stations and car washes were not compatible with the design and were no longer permitted uses with the acceptance of the agreement.

• A maximum of 20% of the residential units would have direct driveway access to a public road with the garage facing a public road.

• The area proposed as open space, as currently defined in the City Code, would be no less than 8.32 acres.

• Any large buildings on Main Street would have architectural and landscaping design elements to reduce noise reflection as reviewed by the Vision Architecture Committee and City Architect.

• The TROD line would remain as drawn on the map prior to this motion. The TROD would no longer encompass all of the commercial zones.

• If any portion or all of a unit was in the rezoned area, then it could not be a transient rental.

The property is located at 541 East Main and encompasses 27.47 acres and contains 8.81 acres of open space. The proposal includes at least 44,128 square feet of commercial space in multiple buildings, 143 townhomes, park, trails, pool, and sports club. The proposed plan is a mixed-use development that will be developed in five phases.

The property has historically and is currently in agricultural production except of the land occupied by the automotive shops, storage units, and dwelling. Sensitive land area located on the property will be left undisturbed as required by the land use ordinance. These sensitive lands include the sloped areas at the base of Memorial Hill.

The C-2 zone allows mixed-use development. The proposal is to create a mixed-use development that will include commercial uses along Main Street and residential uses in the remainder of the property. The application covers the largest commercial properties in town. Development of the property could greatly increase the City's tax base and add more commercial space that has become increasingly more difficult to find in the past few years. The property is also very visible from Main Street and because of its location at the base of Memorial Hill, many residents and visitors of Midway are familiar with the property. There are existing residents and commercial businesses in the area that will be impacted by the development and careful planning must be taken to mitigate negative impacts wherever reasonably possible. Because mixed-use projects are a conditional use, the City Council may require reasonable conditions to mitigate negative impacts to the neighbors and the area.

Most of the property has been in the C-2 zone and four applications have been submitted for commercial development on the site over the past ten years. Two of the applications included commercial development and storage units. Both applications were reviewed but, in the end, neither project was ever built. Since then, the City has removed storage units as a potential use in the C-2 zone. The City has also received two large mixed-use development applications on the property. Both applications were reviewed but neither progressed through the approval process and eventually, the applicants pulled their applications. The City also considered amending the zoning on the property to a new commercial zone that was a performance-based code that focused on creating a community gathering area by incentivizing the developer to create a unique place. After some public hearings, it was apparent that the proposal did not have broad public support.

The Land Use Code requires that a Master Plan request must demonstrate that approval of the project in multiple phases can occur such that the project can still function autonomously if subsequent phases are not completed. Therefore, the Master Plan application must demonstrate that sufficient property, water rights, roads, sensitive lands protection, and open space are proposed with the first phase to allow the project to function without the subsequent phase or phases. All water rights required will be held in escrow before the master plan agreement is recorded and then dedicated to the City as required per phase. Not every issue and detail will need to be resolved for master plan approval but any issue regarding the aforementioned items do need to be resolved before master plan approval is granted. Some items will be reviewed and resolved during the preliminary and final approval of each phase.

LAND USE SUMMARY:

- 27.47 acres
- 8.81 acres of open space
- C-2 zone

- Five phases
- All remaining roads and alleys are private, including the connector road to River Road.
- Private roads, alleys, parking areas, and open space will be maintained by the HOA or POA
- Potential trail connection to Memorial Hill
- Sensitive lands on the property include sloped areas

ANALYSIS:

Water Rights – Master plans require that water rights be held in escrow with the City before the master plan agreement can be recorded. The required water rights per phase are then dedicated to the City before the recording of each plat. The Water Advisory Board has approved an estimated 166.6 acre-feet will need to be held by the City in escrow before the master plan can be recorded.

Roads and Traffic Circulation – Each phase of the subdivision must meet access requirements. All phases comply with access requirements.

Traffic Study – A traffic study has been submitted to the City for review. The study has determined the impact of traffic generated from the proposal on the surrounding UDOT and City streets. One significant finding is a third access is required for better traffic distribution and to lower the impact on the intersection of River Road and Main Street. The third access will be from River Road. There are off-site improvements required based on the traffic study. More information on this issue is provided in Horrocks Engineers review letter that is attached to this report.

Alley Access – The proposed plan has street access to each unit but there is also additional alley access proposed for parking access. The alley access areas will be private and will be owned and maintained by the HOA or POA. Snow removal and storage from the alley is a concern and staff has asked that a snow removal and storage plan is prepared for review and approval. The developer is developing a plan to assure functionality of the proposed master plan. The developer has also provided a will-serve letter from Wasatch County Solid Waste (previous concept master plan). The County will enter private alley areas to unload trash containers. The Fire District did meet with staff and the developer to review all fire related issues. The proposed plan has been modified to address concerns raised in that meeting. *Main Street Improvements* – The developer will be required to improve Main Street to UDOT requirements.

Public Participation Meeting – The developers will hold a public participation meeting on October 11, 2021, as required by the ordinance for master plan applications. This requirement is to give the developer an opportunity to present the development to the surrounding residents of the proposed project. The developer provided a report of that meeting which is attached to this staff report.

Density – The maximum number of residential units is 143 as per the condition of the conditionally approved rezone of the property.

Trails – There are no planned trails on the property as per the Trails Master Plan though all trails shown on the will have a public trail easement. Staff has asked the developer to consider a trail connection from the development to Memorial Hill. Wasatch County, owner of Memorial Hill, would need to approve the trail. It is anticipated that if a trail is built, it would be a backcountry soft surface trail to eliminate impact on Memorial Hill and to limit a visual impact when looking at the hill. Staff's concern is that without a trail plan and design, the public will create their own trails that may have a visual impact and an erosion impact on Memorial Hill.

Architecture Theme – The developer is required to receive architectural approval of all structures in the mixed-use development, this includes all commercial and residential buildings, along with any other features that require architectural approval. Specific review of each building will be required through the approval process.

Parking – The developer is providing 189 commercial stalls and 358 residential stalls for a total of 547 parking stalls. Of the residential stalls, two stalls per unit will be provided in the garage of the unit with the other 72 residential stalls dispersed in the residential area of the development. At master plan, calculating the exact number of commercial stalls is not realistic because until the exact use and size of a structure is known, the exact amount of parking cannot be calculated. The goal at master plan is to make sure there is the possibility of enough parking for future planned uses. The typical amount of parking required is one stall for every 250 square feet for areas accessible to the public. Generally, this should be an adequate number of stalls for master plan but as each individual permit is submitted, parking will need to be reviewed.

Required Commercial Square Footage – The mixed-use code requires 20% of the gross square footage of all structures (except residential garages) is deed restricted as commercial. The plan presented appears to meet the requirements of the code as outlined on page 3 of the submitted plans dated October 4, 2021. The developer is proposing at a minimum 44,128 square feet of commercial and 81,401 square feet of residential based on building pad area and one-story buildings above grade. Most likely, most structures will be two stories above grade and the commercial building area will be 83,184 square feet and the residential space will be 336,050 square feet

(the residential number is based on 143 units at 2,350 square feet and excludes garage area). To assure that the commercial square feet requirement is met, staff is proposing that approvals of phases 4 and 5 (which are fully residential) are not approved for preliminary approval until the commercial structures are built. The details to this provision will need to be outlined in the master plan agreement.

The following are examples of potential areas of the residential and commercial buildings. It is most likely the actual area of the buildings will be different from what is represented but the 80% and 20% ratios must be met and will be monitored through the building permit approval process.

Building	Building Description	Overall	Footprint	Usable	Usable 1st Floor	Retail	Office	Storage
1	Restaurant	6,412	3,206.00	4,132	1,877	0		3,206
2	Retail	10,600	5,300.00	7,422	3,711	5,300		5,300
3	Restaurant	4,786	2,393.00	3,572	1,786	0		2,393
4	Restaurant	2,800	1,400.00	1,784	834	0		1,400
5	Office	4,786	2,393.00	3,572	1,786	0	4,786	0
6	Office	2,800	1,400.00	1,784	834	0	2,800	0
7A	Gym	27,788	13,894	20,016	A contract all non-nets of the annual fillence of the second of the seco	9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
7B	Gym Restaurant	6,412	3,206	4,132				3,206
7C	Gym Restaurant	2,800	1,400	1,784				1,400
8	Pool & Patio	14,000	14,000	14,000				
Total		83,184	48,592	62,198		5,300	7,586	16,905

Ratio of Commercial to Residential				
	Residential Space			
		Units	143	
		Unit Size	2,350	
		Total Residential sf	336,050	
	Ratio Commercial/Residential		(sf)	(%)
		Total Residential Space	336,050	80.2%
		Total Commercial Space	83,184	19.8%
		Total Built Space	419,234	

Sensitive Lands – Sensitive land area located on the property will be left undisturbed as required by the land use ordinance. These sensitive lands include the sloped areas at the base of Memorial Hill. No building pads are located on any slopes 25% or greater.

Open Space – The proposal is required to provide 8.32 acres of open space; 8.81 acres have been provided.

Setbacks – The proposed development is required to meet the setback requirements for the mixed-use code and the conditions placed on the project through the rezoning approval. All commercial buildings are required to have an 8' setback and all residential structures are required to have a 10' setback. Residential setbacks along the western boundary are a minimum of 36' and residential setbacks along the eastern boundary are a minimum of 100'.

Height of structures – Structures cannot exceed 35' in height, measured from natural grade to the roof. Architectural elements may exceed the 35' limit as per code.

Transient Rental Overlay District – The transient rental overlay district (TROD) covers the roughly 600' area of the project north of Mains Street. Per the conditional approval of the rezone of some of the project area, only units that fall completely in the rezone area may be rented as short-term nightly rentals, and only if the units comply with all requirements. An exhibit will be included in the master plan agreement that clearly show which units available as nightly rentals.

One Property Owners Association – All residential phases of the master plan are required to be part of one property owner's association. The commercial areas will all be required to be part of one property owner's association. This is required to maintain all private areas including, private roads, alleys, roads, and common areas. The requirement to be part of one POA is to reduce conflict in the future. Sometimes in phased developments, phases are sold to different developers and the new developers of a phase do not want to be part of the POA. This has created problems in other phased developments in Midway and for that reason the code requires that all phases be part of one POA.

Geotechnical Report – The City has received two geotechnical reports for the property. One from 2017 and one from 2021. The geotechnical report from 2017 found water in some of the test pits on the west side of the property. The report from 2021 did not find water in any of the test pits, including pits dug near the test pits with water from 2017. A high-water table is a concern because the proposed plan is dependent on below grade parking. Without the below grade parking, the master plan would need to be amended. Staff is recommending piezometers are installed in multiple areas of the development to monitor water levels over the next few years, especially in the areas of phases 2-6. The piezometers will provide information regarding the water table over multiple years. This will give information regarding the ability to develop future phases. If the water table is a problem for some phases,

then the master plan will need to be amended to continue to comply with code requirements.

Landscaping - The proposed development has a significant amount of frontage along Main Street. The view of Midway along Main Street is of high importance for the City for a couple of reasons. First, it is important to the residents of Midway that Main Street is aesthetically beautiful. Most residents of Midway use Main Street at least once a day and maintaining a beautiful corridor through town is of high priority. Second, the Midway economy is dependent on tourism and a clean and orderly Main Street is vital for creating the atmosphere needed to create a beautiful community that will attract tourists. For these reasons staff is proposing a requirement that the commercial areas of the development be either kept in agricultural production until constructed or, once those areas are developed, the commercial pads and surrounding area are landscaped until the structures are built. The landscaping may be minimal with grass and an irrigation system, but they will need to be kept orderly and maintained. There are many examples of commercial developments where the commercial pads are not maintained and become weed infested and an eyesore for the community. It is important that this situation is avoided along Midway's main corridor.

Traffic signal at Main Street and River Road – UDOT has studied the traffic related issues for the intersection of Main Street and River Road. The study concluded that a traffic signal is warranted for the intersection, but UDOT does not have a timeline established for when the signal will be installed. The Village will create more traffic to the area and the developer will need to contribute to the installation of the traffic signal and other required related infrastructure including right-of-way acquisition, expansion of pavement, etc. Because UDOT's timeline for installation of the traffic signal is unknown, staff is recommending that the traffic signal improvements are required as part of phase 3. Before the application for preliminary approval of phase 3 is submitted, the developer's contribution towards completion of the traffic signal and related improvements will need to be determined.

PLANNING COMMISSION RECOMMENDATION:

Motion: Commissioner Whitney: I make a motion that we recommend approval of the master plan amendment for The Village. The proposed revised plan is a mixed-use development that contains both commercial and residential uses. The proposal includes 44,128 square feet of commercial space in multiple buildings, 143 dwellings, park, and trails, to be developed in five phases. The master plan is on 27.47 acres and contains 8.68 acres of open space. The property located at 541 East Main is in the C-2 zone. We accept the staff findings and the proposed five conditions. Also, including a sixth condition of having the required parking plan resolved before going to City Council. **Seconded:** Commissioner Ream **Chairman Nicholas:** Any discussion on the motion? **Chairman Nicholas:** All in favor.

- 2. <u>Continuance</u>. This action can be taken if the City Council finds that there are unresolved issues.
 - a. Accept staff report
 - b. List accepted findings
 - c. Reasons for continuance
 - i. Unresolved issues that must be addressed
 - d. Date when the item will be heard again
- 3. <u>Denial</u>. This action can be taken if the City Council finds that the request does not comply with the requirements of the code.
 - a. Accept staff report
 - b. List accepted findings
 - **c.** Reasons for denial

PROPOSED CONDITIONS:

- 1. Piezometers are installed in multiple areas of the development to monitor water levels over the next few years, especially in the areas of phases 2-5. The piezometers will provide information regarding the water table over multiple years. This will give information regarding the ability to develop future phases. If the water table is a problem for some phases, then the master plan will need to be amended to continue to comply with code requirements.
- 2. The timing of required off-site improvements, including the traffic signal at River Road and Main Street, are included in the master plan agreement.
- 3. All private road rights-of-ways must have a dedicated public access easement.
- 4. Phases 4 and 5, which are completely residential, are not allowed to submit for preliminary approval until the correct ratio of commercial square feet has been built for each phase. 60% of the required commercial would need to be built to submit for preliminary approval of phase 4 and 80% of the required commercial would need to be built to submit for the preliminary of phase 5.
- 5. The commercial areas of Phases 1 and 2, which front Main Street, must either be in agricultural production or landscaped, even in areas where future buildings will be located. The landscaping may be minimal with grass and an irrigation system, but they will need to be kept orderly and maintained.



728 West 100 South Heber UT 84032 435-654-2226 www.horrocks.com

March 9th, 2021

Midway City Attn: Michael Henke 75 North 100 West Midway, Utah 84049

Subject: The Village Development – Master Plan Review

Dear Michael:

Horrocks Engineers recently reviewed The Village development plans for Master Plan approval. The proposed development boarders Memorial Hill to the North and Main Street to the South. The development is a mixed-use development and PUD. The proposed development consists of 28,170 SF of commercial building space, 151 residential units zoned C-2, and 25 PUD residential units. The following issues should be addressed.

General Comments

- There are 6 phases within the development, each phase within the Master Plan appears to be a stand-alone phase.
- All drawings and standards should meet the Midway City updated 2020 specifications.
- Snow removal and snow storage needs to be addressed.

Water

- The proposed development will be served from the Gerber / Mahogany pressure zone.
- The proposed development will connect to the existing 12" culinary water line in Main Street.

Roads

- The proposed roads within the C-2 Zone of the development will be public and have right-ofway widths of 56' with sidewalk on both sides of the road.
- The roads within the PUE will be private and have right-of-way widths of 56' with sidewalk on both sides of the road.
- There are private alley ways within the development. Each alley way will need two points of access.
- The access and improvement onto 870 East will require permission and documentation from land owner.
- Main Street access and cross sections will need to go through the UDOT approval process.
- A traffic study has been submitted. Our traffic engineers in our Pleasant Grove office have reviewed the study. Some clarifications are required regarding the study.
- The traffic study shall include an evaluation of an access off of River Road.

Pressure Irrigation

- The subdivision will be serviced by Midway Irrigation Company.
- All removal, additions, or revisions to pressure irrigation system must be approved by Midway Irrigation Company.
- The ditch towards north end of the property that runs west to east must be maintained.

Trails

• The majority of the development has 5' or 6' sidewalk. There is one 8'trail in front of the park / open space area that connects to 5' sidewalk on each side.

Storm Drain

• The storm drain system will be a combination of public and private and will be collected within the proposed curb and gutter and discharged to a series of catch basins, sumps, and detention basins with the development.

Sewer

• Sewer will be provided by Midway Sanitary Sewer District.

The following items will need to be submitted prior to preliminary review:

- Geotechnical Report for the east half of development that was not done as part of previous geotechnical report.
 - Perc tests need to be located near all retention ponds / basins and sumps in alley ways. Perc tests should been done at the bottom of the proposed sump elevations.
- Access approval from UDOT for the two new access points onto Main Street.

Please feel free to call our office with any questions.

Sincerely, HORROCKS ENGINEERS

In Wesley Johnson, P.E. Midway City Engineer

cc: Berg Engineering

Exhibits

- **Exhibit 1 Location maps**
- Exhibit 2 Proposed revised master plan
- **Exhibit 3 Developer supplementary documents**
- **Exhibit 4 Updated traffic impact study**
- Exhibit 5 Public participation developer's report

Exhibit 1

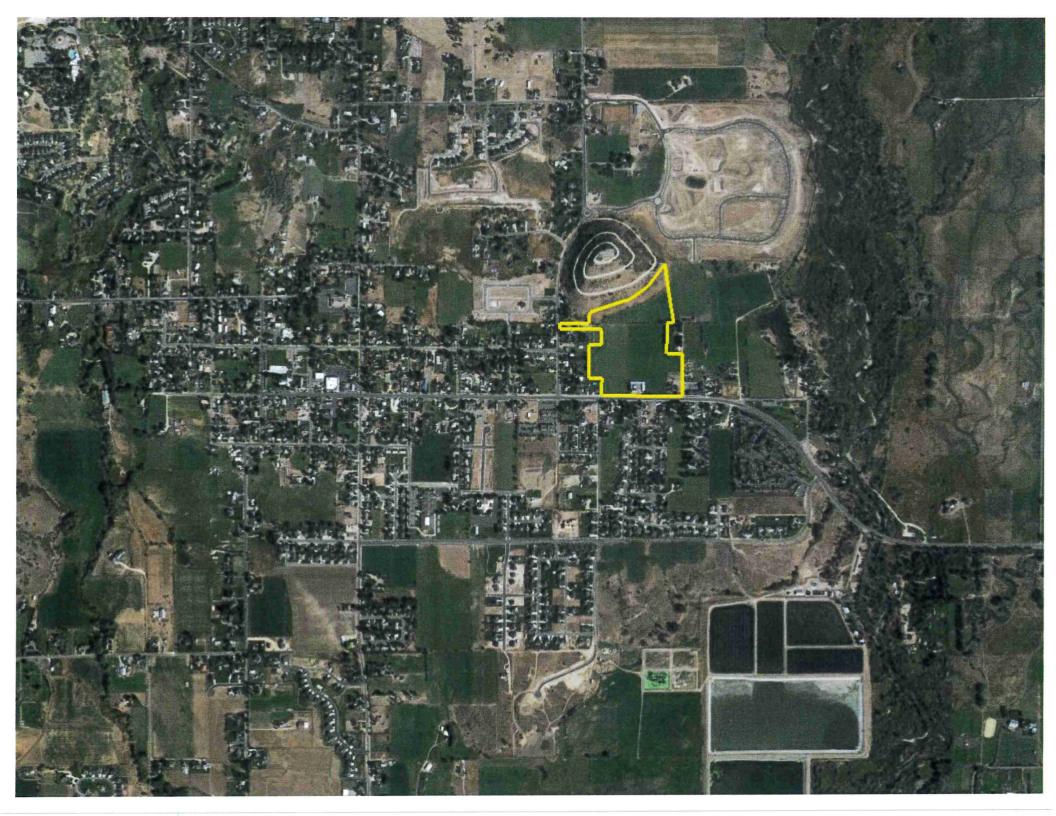
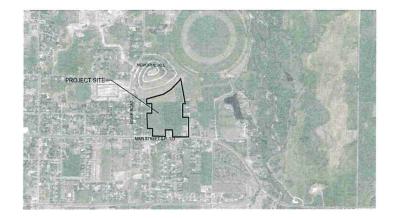






Exhibit 2

THE VILLAGE A MIXED USE DEVELOPMENT REVISED MASTER PLAN APPLICATION



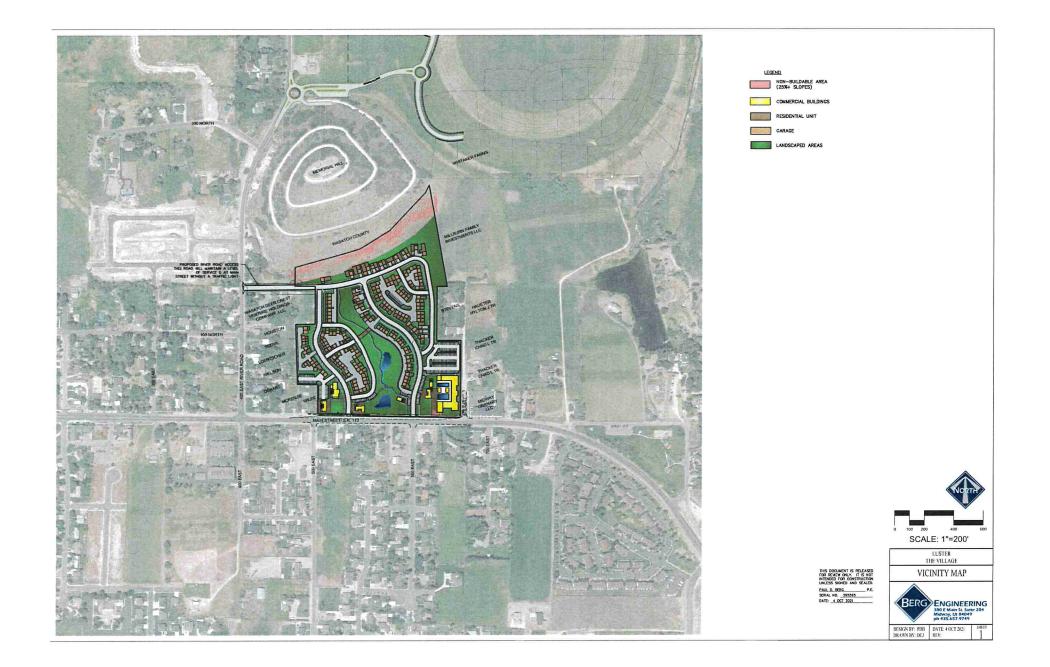
MIDWAY CITY VICINITY MAP

SHEET INDEX

- 1. VICINITY MAP
- 2. SENSITIVE LANDS MAP
- 3. REVISED MASTER PLAN
- 4. MASTER LANDSCAPE PLAN
- 5. PHASING PLAN
- 6. OPEN SPACE PLAN
- 7. ROADS & TRAILS MASTER PLAN
- 8. SEWER MASTER PLAN
- 9. WATER MASTER PLAN
- 10. IRRIGATION MASTER PLAN
- 11. STORM DRAIN MASTER PLAN



(Monsylutine - Man Street) Mariar Plon - 12/42231 | packed by to 20,020,02,044 | past ante October 04, 2077 | packed by





SENSITIVE LANDS NOTES

 $\underline{\text{LANDSUDES}}$ the landscude hazard potential on the property is low per the kidway gty landscude and problem soil map contained in the city general plan

SHALLOW CREARING WATER THE PROPERTY DOES NOT CONTAIN SHALLOW GROUND WATER PER MAP 28 OF THE GENERAL PLAN, PLEASE SEE THE GEOTECHNICAL REPORT FOR MORE INFORMATION.

SPRINGS, STREAMS OR SEEPS NO SPRINGS, STREAMS OR SEEPS HAVE BEEN FOUND ON THE PROPERTY.

Allumal fans in a constant of the property per map 26 of the wasatch county general plan.

 $\frac{FLOOD}{142ARDS}$ THERE are no 100 year fema flood hazards on this property per fema maps.

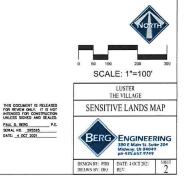
WETLANDS ARE ON THE PROPERTY PER THE NATIONAL WETLANDS INVENTORY PUBLISHED BY THE US FISH AND WILDLIFE SERVICE.

 $\frac{FAULT LNES}{NO}$ fault lines cross the property per MAP 28- flood hazards, earthquake hazards and problem solls of the wasatch county general plan.

<u>VEGETATION REMOVAL</u> EXSING HAT FIELD WILL BE DISTURBED FOR CONSTRUCTION OF HOMES, COMMERCIAL BUILDINGS, RADAS MAD PARKING, TOPSOLI WILL BE STORED FOR USE ON SITE, EXCESS SOLI, MATERIALS TO BE DISFORED OF TREES ON MEMORIAL HILL MILL BE PRESERVED, TREES ALONG THE NORTH DITO'H BANK MILL BE REMOVED AND OSSORGE OF MAD OSSORGE OF THE

WATER CUALITY STORM WATER RUNOFF WILL BE COLLECTED AND RETAINED ON SITE. STORM WATER POLLUTION PREVENTION WEASURES WILL BE INSTALLED DURING CONSTRUCTION. WEASURE INCLUDE SILT FENCING, STABILIZED CONSTRUCTION ENTRANCE AND INLET PROTECTION.



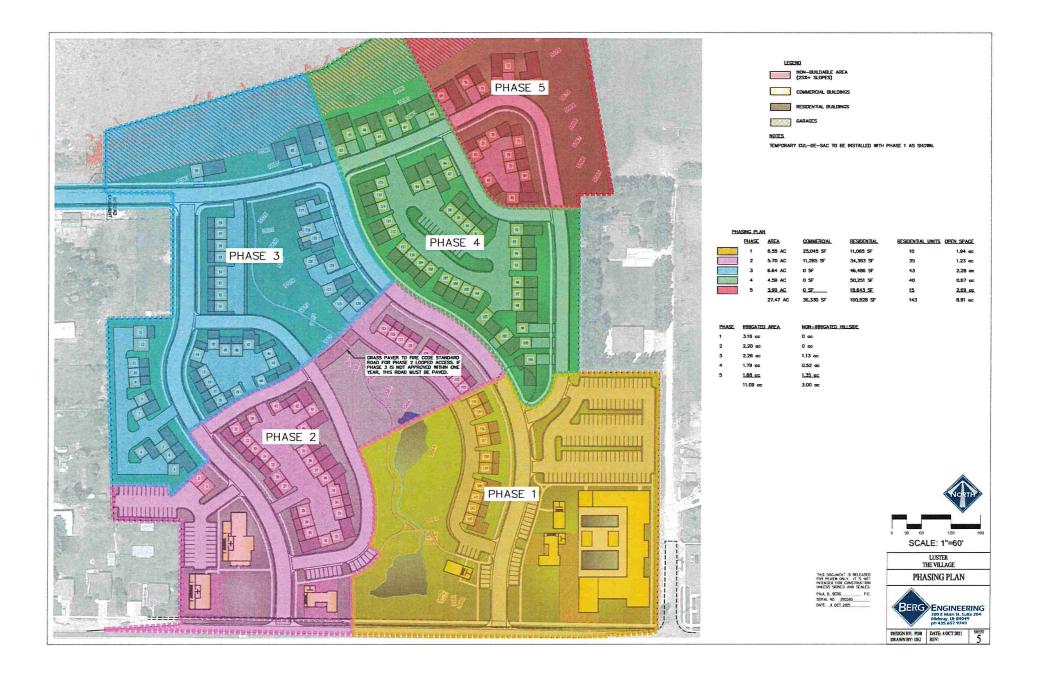




AREA TOTAL PROJECT AREA 27.47 ACRES R.O.W. DEDICATION ON MAIN 0.18 ACRES BUILDING CALCULATIONS BUILDING CALCULATIONS PAD ABEA (SF) COMMERCIAL 48,592 RESIDENTAL 81,401 TOTAL 129,993 57% 63% 100% GROSS BUILDING AREA COMMERCIAL RESIDENTIAL (TOTAL) RESIDENTIAL 2 STORY RESIDENTIAL ABOVE GARAGE TOTAL GROSS BUILDING 83,184 SF 242,731 SF 162,822 SF 79,909 SF 325,915 26% 74% 100% COMMERCIAL PARKING TOTAL PARKING SPACES 189 SPACES PARKING CALCULATIONS: TOTAL GROSS COMMERCIAL B3,184 SF NET USCABLE CONMERCIAL AREA WITHOUT POOL PER ARCHITECT 48,198 SF PARKING RATIO = 48.198 SF = 1 SPACE FOR 255 SF NOTES: * THE FINAL NUMBER OF REQUIRED SPACES WILL DEPEND ON THE BUILDING TENANT, USE AND FINAL BUILDING DESIGN. RESIDENTIAL PARKING NOTES. • EACH RESIDENTIAL UNIT HAS A 2 CAR GARAGE. THERE ARE ALSO 72 OUTDOOR PARKING SPACES IN THE RESIDENTIAL AREA. • PLAN HAS A TOTAL OF 358 PARKING SPACES. PARKING CALCULATIONS TOTAL UNITS 143 143X2.5 = 358 SPACES (REQUIRED) PARKING SPACES PE 143X2 - 286 ON SITE PARKING 72 358 SPACES (PROVIDED) LEGEND NON-BUILDABLE AREA (25%+ SLOPES) COMMERCIAL BUILDINGS RESIDENTIAL UNIT RESIDENTIAL GARAGES LANDSCAPE AREA REVISION NOTE - 21 OCT 2021: REVISED TO ADD RESIDENTIAL PARKING FOR 3 REDROAM LINITS ALSO SEE PARKING TABLE REVISION NOTE - 29 OCT 2021: COMMERCIAL BUILDINGS PAD, GROSS AND NET USEABLE SOUARE FOOTAGES HAVE BEEN UPDATED BY ARCHITECT. 30 60 120 SCALE: 1"=60' LUSTER THE VILLAGE THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTERDED FOR CONSTRUCTION UNLESS SERIED AND SCALD. PAUL D. BERG _____P.E. SERIAL NO. _____202595 DATE ______20 STL 2021 REVISED MASTER PLAN BERG ENGINEERING 380 E Maun St. Suite 20 Midway, Ut 84049 ph 435.657.9749 DESIGN BY: PDB DATE: 4 OCT 2021 DRAWN BY: DEJ REV: 29 OCT 2021

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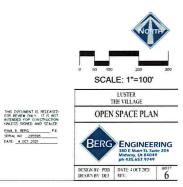


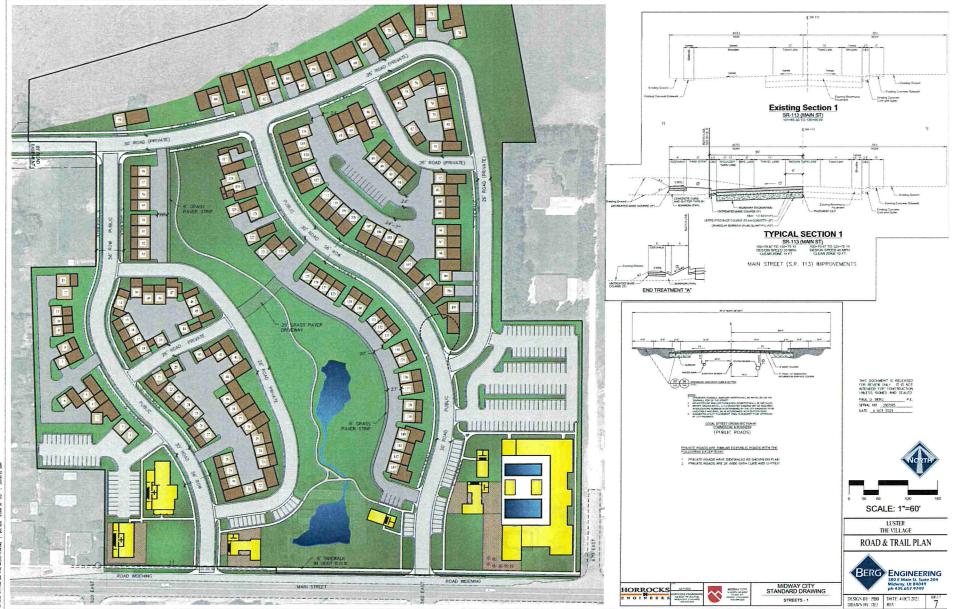
GAPAGE

OPEN SPACE (IRRIGATED)
OPEN SPACE (NON IRRIGATED)

OPEN SPACE NOTE

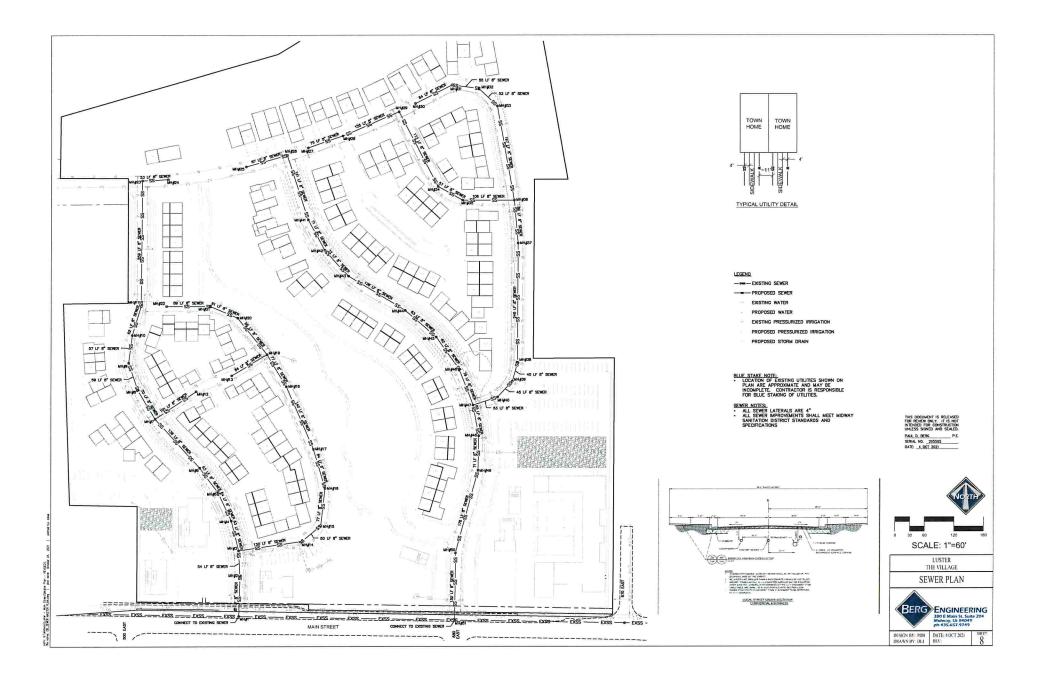
ALL OPEN SPACE IS A MINIMUM OF 100 FEET IN WOTH PER MIDWAY CITY STANDARDS.

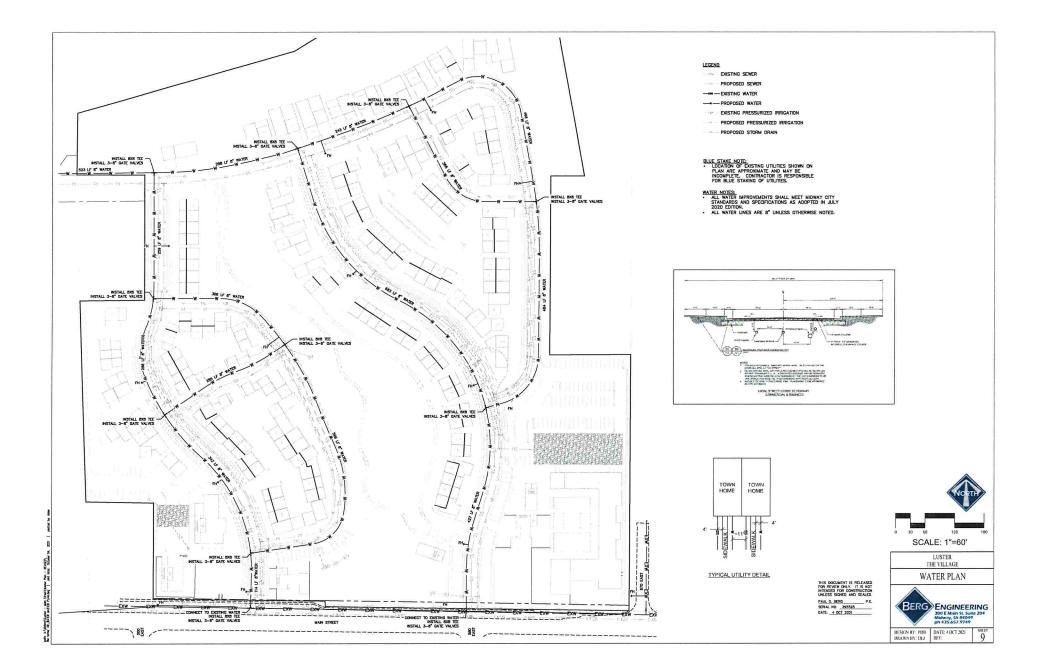


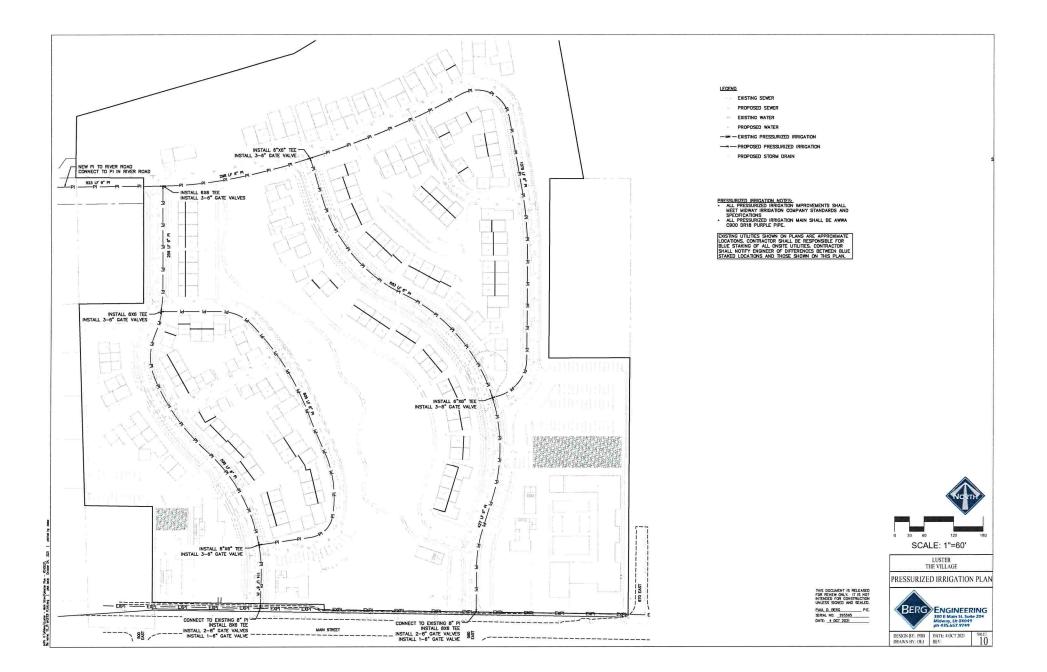


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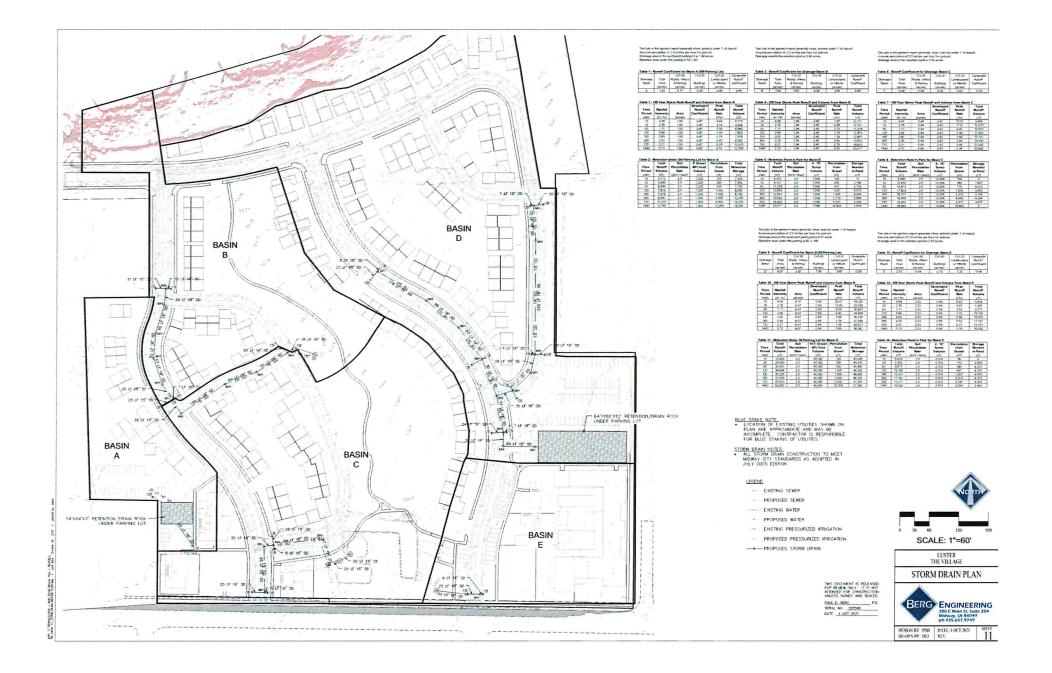


Exhibit 3

The Village Mixed-Use Project

Master Plan Submission January 12th, 2020

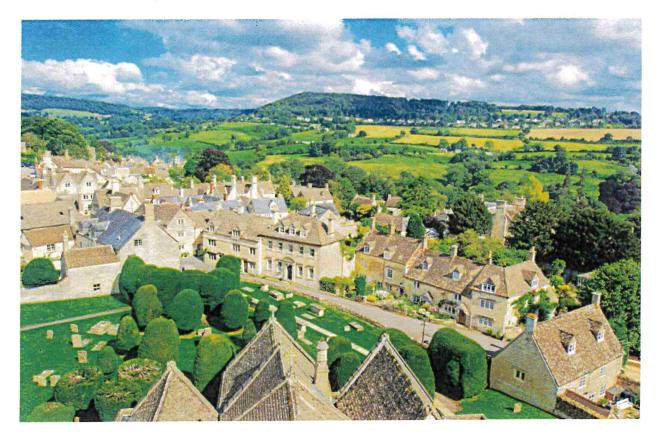
The Village and Midway's Vision

The Village is a mixed-use development on Midway's historic Main Street that seeks to preserve the rural and historic European character of Midway in the face of unprecedented growth in the Heber Valley. The Village will contribute to Midway's vision in three key ways:

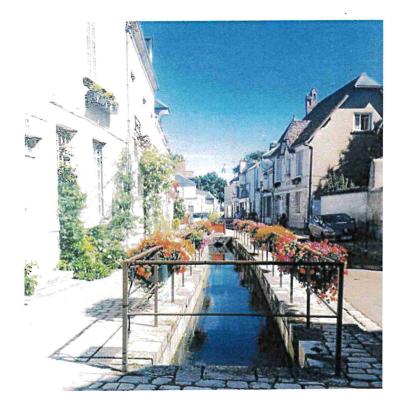
- <u>Architecture</u>. The Village is designed as a European walking village modeled after authentic villages in France and Switzerland. Key elements include hanging flowers, a flowing canal, and quality natural materials and building techniques that evoke timeless and practical design. Far from a "theme park," The Village will include live/work residences that lend themselves to village life and walkability. Tourists and residents will enjoy walking these streets as much as visiting the retail along main street.
- <u>Village Life/Rural Character.</u> The Village will include restaurants, retail, and office space on main street with a distinctly rural character. The goal is to drive agriculture-based tourism including farm animals, nature walks, farm-to-market dining, European furnishing imports, and to promote local/historic craftsman and boutique restaurants. This can be achieved by linking farm/grazing space directly with main street retail. Retail will share a common courtyard with access/views to grazing areas and trails to encourage both locals and tourists to think of Midway as an agritourism destination.
- <u>Trail Access/Connectivity.</u> The Village will form a critical link to open the south east corner of Midway to Memorial Hill and a trail system that connects North to the Dutch Fields, and West to the Homestead with European-style trails through wide open preserved agricultural land on Whitaker Farm. Biking, or walking to Memorial Hill or the Homestead will now be a practical reality with residents and tourists avoiding busy roads and enjoying much of the preserved rural character of Midway. With links to the Homestead, Memorial Hill, the Kohler Dairy, and the Provo River, The Village and Whitaker Farm to the north will be the key link in a trail system that sets a new standard for an open-space based, European style walkable/bikeable community.

The Village and Midway's Vision

• Walkability, historic quality, adjacent to nature/agriculture

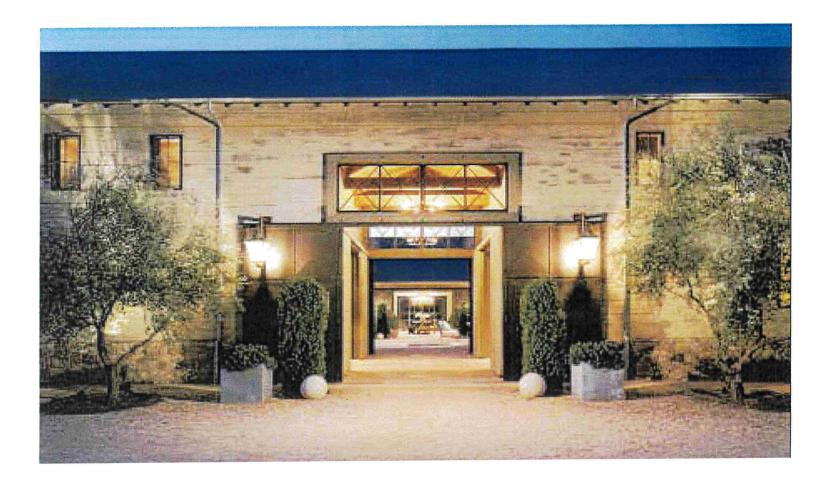


Typical Building Renderings: Streetscape





Typical Building Rendering: Commercial Buildings



Typical Building Rendering: Commercial Buildings



Typical Building Rendering: Commercial/Residential



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Typical Building Rendering: Commercial/Residential

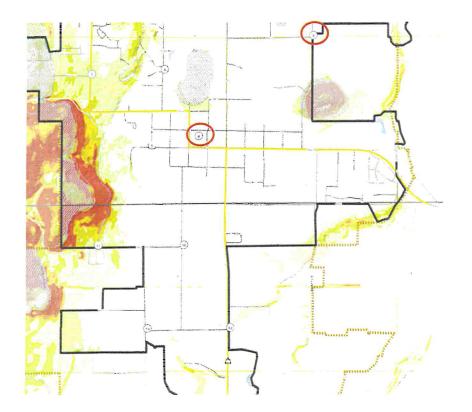


Typical Building Rendering: Residential



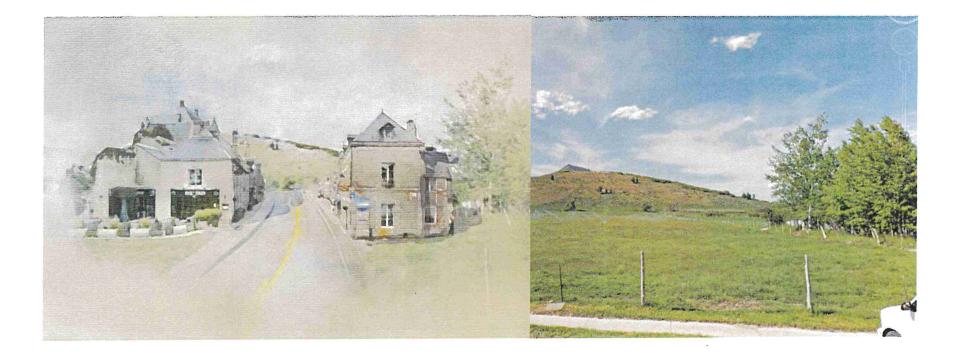
View-shed Analysis

• None of the observation points are impacted. Points 6 and 9 are nearest, but have no observable view of The Village Subdivision



View-shed Analysis

• Care is being taken to create view corridors up to the hill through the development



Community Impact Assumptions

- Estimated 50% of home sites will be second homes
- Average home value will be \$550,000
- Estimated \$300k+ in annual Wasatch County property tax
- 30 transient rental units (90 bedrooms).
- Access to Memorial Hill Trail and North/South East/West Midway trail systems

Fiscal Analysis: Services Budget

Sample HOA Budget

	Per household	Total	Notes
Annual Fee	1,500.00	210,000.00	\$125 per household per month
Open Space & Common Gardens			
Landscape Maintenance	405.00	56,700.00	Assumes 1.5 employees full time for 7 months @ \$30/hr
Materials	142.86	20,000.00	Lump sum
Streets			
Maintenance Budget	357.14	50,000.00	Lump sum
Snow Removal	85.71	12,000.00	Assumes 2 employees working 25 full days @\$30/hr
Clubhouse and Pool			
Management	231.43	32,400.00	Assumes 1 employees working 20 hours per week @\$30/hr
Utilities and Repairs	277.86	38,900.00	Lump sum, includes utilities and repairs

Sample Commercial OA Budget

	Per business	Total	Notes
Annual Fee	3,000.00	36,000.00	\$125 per household per month
Open Space & Common Gardens			
Landscape Maintenance	94.50	13,230.00	Assumes 1 employee 14 hours a week for 7 months @ \$30/hr
Materials	35.71	5,000.00	Lump sum
Parking and Sidewalks			
Maintenance Budget	41.21	5,770.00	Lump sum
Snow Removal	85.71	12,000.00	Assumes 2 employees working 25 full days @\$30/hr

Exhibit 4



The Village Traffic Impact Study



Midway, Utah



November 17, 2021

UT21-1835

EXECUTIVE SUMMARY

This study addresses the traffic impacts associated with the proposed The Village development located in Midway, Utah. The Village project is located on the north side of Main Street, east of River Road.

The purpose of this traffic impact study is to analyze traffic operations at key intersections for existing (2021) conditions with and without the proposed project and to recommend mitigation measures as needed. The evening peak hour level of service (LOS) results are shown in Table ES-1. Recommended storage lengths are shown in Table ES-2.

Table ES-1: Evening Peak Hour Level of Service Results

Intersection		Level of Service Existing (2021)				
1	River Road / Main Street (S.R. 113)	е	Α	А		
2	Fox Den Road / Main Street (S.R. 113)	b	b	с		
3	580 East / Main Street (S.R. 113)	b	b	с		
	670 East / Main Street (S.R. 113)	а	b	b		
5	Access 1 / Main Street (S.R. 113)	.=	·	С		
5	Access 3 / River Road	-	-	а		

2. BG = Background (without project traffic), PP = Plus Project (with project traffic)

Source: Hales Engineering, October 2021

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Table ES-2: Recommended Storage Lengths

	Intersection		Recommended Storage Lengths (feet)														
			Northbound		Southbound		Eastbound			Westbound							
	Intersection	LT		RT		LT		RT		LT		RT		LT		RT	
		E	Ρ	Е	Р	Е	Ρ	Е	Ρ	Е	Р	Е	Ρ	Е	Ρ	Е	Ρ
1	580 East / Main Street (S.R. 113)	-	-	-	-	-	-	-		-	100	-		-	-	-	50
2	West Access / Main Street (S.R. 113)	-	-	-	-	-	=1)	-	-	-	100	-	-	-	-	-	-

1. Storage lengths are based on 2021 95th percentile queue lengths and do not include required deceleration / taper distances

2. E = Existing storage length (approximate), if applicable; P = proposed storage length for new turn lanes or changes to existing turn lanes, if applicable Source: Hales Engineering, October 2021

SUMMARY OF KEY FINDINGS & RECOMMENDATIONS

Project Conditions

- The development will consist of residential townhome and single-family units and some commercial
- The project is anticipated to generate approximately 4,412 new weekday daily trips, including 302 trips in the morning peak hour, and 395 trips in the evening peak hour

2021	Background	Plus Project
Assumptions	• Traffic volumes from Whitaker Farms, Remund Farms, Indian Summer, Alder Meadows, Midway Crest, and St Prex developments added	 580 East / Main St (S.R. 113): Construct EB left-turn pocket and stripe WB right-turn pocket West Access / Main St (S.R. 113): Construct EB left-turn pocket
Findings	 Poor LOS at the River Rd / Main St (S.R. 113) intersection 	Acceptable LOS
Mitigations	 River Rd / Main St (S.R. 113): Install signal, left-turn pockets on all approaches, and right-turn pockets on EB and WB approaches 	• None

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Midway - The Village Traffic Impact Study

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I. INTRODUCTION

A. Purpose

This study addresses the traffic impacts associated with the proposed The Village development located in Midway, Utah. The proposed project is located on the north side of Main Street, east of River Road. Figure 1 shows a vicinity map of the proposed development.

The purpose of this traffic impact study is to analyze traffic operations at key intersections for existing (2021) conditions with and without the proposed project and to recommend mitigation measures as needed.



Figure 1: Vicinity map showing the project location in Midway, Utah

B. Scope

The study area was defined based on conversations with the development team. This study was scoped to evaluate the traffic operational performance impacts of the project on the following intersections:

- River Road / Main Street (S.R. 113)
- Fox Den Road / Main Street (S.R. 113)
- 580 East / Main Street (S.R. 113)
- 670 East / Main Street (S.R. 113)

C. Analysis Methodology

Level of service (LOS) is a term that describes the operating performance of an intersection or roadway. LOS is measured quantitatively and reported on a scale from A to F, with A representing the best performance and F the worst. Table 1 provides a brief description of each LOS letter designation and an accompanying average delay per vehicle for both signalized and unsignalized intersections.

The *Highway Capacity Manual* (HCM), 6th Edition, 2016 methodology was used in this study to remain consistent with "state-of-the-practice" professional standards. This methodology has different quantitative evaluations for signalized and unsignalized intersections. For signalized, roundabout, and all-way stop-controlled (AWSC) intersections, the LOS is provided for the overall intersection (weighted average of all approach delays). For all other unsignalized intersections, LOS is reported based on the worst movement.

Using Synchro/SimTraffic software, which follow the HCM methodology, the peak hour LOS was computed for each study intersection. Multiple runs of SimTraffic were used to provide a statistical evaluation of the interaction between the intersections. The detailed LOS reports are provided in Appendix B. Hales Engineering also calculated the 95th percentile queue lengths for the study intersections using SimTraffic. The detailed queue length reports are provided in Appendix D.

D. Level of Service Standards

For the purposes of this study, a minimum acceptable intersection performance for each of the study intersections was set at LOS D. If levels of service E or F conditions exist, an explanation and/or mitigation measures will be presented. A LOS D threshold is consistent with "state-of-the-practice" traffic engineering principles for urbanized areas.

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Table 1: Level of Service Description

		Description of	Average Delay (seconds/vehicle)			
	LOS	Traffic Conditions	Signalized Intersections	Unsignalized Intersections		
A		Free Flow / Insignificant Delay	≤ 10	≤ 10		
•		Stable Operations / Minimum Delays	> 10 to 20	> 10 to 15		
c		Stable Operations / Acceptable Delays	> 20 to 35	> 15 to 25		
D		Approaching Unstable Flows / Tolerable Delays	> 35 to 55	> 25 to 35		
E		Unstable Operations / Significant Delays	> 55 to 80	> 35 to 50		
F		Forced Flows / Unpredictable Flows / Excessive Delays	> 80	> 50		
Source Metho	ce: Hales Engineering Descriptions, based o odology (Transportation Research Board)	on the <i>Highway Capacit</i> y	/ Manual (HCM),	6 th Edition, 2016		

II. EXISTING (2021) BACKGROUND CONDITIONS

A. Purpose

The purpose of the background analysis is to study the intersections and roadways during the peak travel periods of the day with background traffic and geometric conditions. Through this analysis, background traffic operational deficiencies can be identified, and potential mitigation measures recommended. This analysis provides a baseline condition that may be compared to the build conditions to identify the impacts of the development.

B. Roadway System

The primary roadways that will provide access to the project site are described below:

<u>Main Street (S.R. 113)</u> – is a state-maintained roadway (classified by UDOT access management standards as a "Community – Urban Importance" facility, or access category 8 roadway). Main Street (S.R. 113) has one travel lane in each direction. As identified and controlled by UDOT, a "Community – Urban Importance" access classification identifies minimum signalized intersection spacing of one-quarter mile (1,320 feet), minimum unsignalized street spacing of 300 feet, and minimum driveway spacing of 150 feet. The posted speed limit on Main Street (S.R. 113) is 35 mph.

<u>River Road</u> – is a city-maintained roadway. The roadway has one travel lane in each direction. The posted speed limit is 25 mph in the study area.

C. Traffic Volumes

Weekday morning (7:00 to 9:00 a.m.) and evening (4:00 to 6:00 p.m.) peak period traffic counts were performed at the following intersections:

- River Road / Main Street (S.R. 113)
- Fox Den Road / Main Street (S.R. 113)
- 580 East / Main Street (S.R. 113)
- 670 East / Main Street (S.R. 113)

The counts were performed on Thursday, February 4, Tuesday, February 9, and Tuesday, May 25, 2021. The morning peak hour was determined to be between 7:30 and 8:30 a.m., and the evening peak hour was determined to be between 5:00 and 6:00 p.m. The evening peak hour volumes were approximately 22% higher than the morning peak hour volumes. Therefore, the evening peak hour volumes were used in the analysis to represent the worst-case conditions. Detailed count data are included in Appendix A.

The traffic counts were collected during the COVID-19 pandemic when traffic volumes were slightly reduced due to social distancing measures. According to the UDOT Automatic Traffic

Signal Performance Measures (ATSPM) website, the traffic volumes on February 6, 2020 (presocial distancing) were approximately 17% higher than those on February 4, 2021. Therefore, the collected data were increased by 17% to represent normal conditions.

Traffic volumes were added from other incomplete or planned developments, including the following:

- Whitaker Farms
- Remund Farms
- Indian Summer
- Alder Meadows
- Midway Crest
- St Prex

Figure 2 shows the existing evening peak hour volumes as well as intersection geometry at the study intersections.

D. Level of Service Analysis

Hales Engineering determined that the River Road / Main Street (S.R. 113) intersection currently operates at a poor LOS during the evening peak hour, as shown in Table 2. These results serve as a baseline condition for the impact analysis of the proposed development during existing (2021) conditions.

E. Queuing Analysis

Hales Engineering calculated the 95th percentile queue lengths for each of the study intersections. No significant queueing was observed during the evening peak hour.

F. Mitigation Measures

According to UDOT guidelines, a traffic signal is warranted at the River Road / Main Street (S.R. 113) intersection. Because it performs at a poor LOS, it is recommended that one be installed. This may require some widening at the intersection to accommodate separate left-turn pockets on all approaches and right-turn pockets on the east- and westbound approaches.

With the proposed improvement, it is anticipated that all study intersections will perform at an acceptable LOS, as shown in Table 3.

Midway - The Village TIS Existing (2021) Background Evening Peak Hour Figure 2



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801.766.4343 06/04/2021

Table 2: Existing (2021) Background Evening Peak Hour LOS

Intersection	Level of Service					
Description	Control	Movement ¹	Aver. Delay (Sec. / Veh.)	LOS		
River Road / Main Street (S.R. 113)	NB/SB Stop	SBL	41.3	е		
Fox Den Road / Main Street (S.R. 113)	NB Stop	NBL	11.2	b		
580 East / Main Street (S.R. 113)	NB Stop	NBL	11.3	b		
670 East / Main Street (S.R. 113)	SB Stop	SBL	10.0	а		

2. Uppercase LOS used for signalized, roundabout, and AWSC intersections. Lowercase LOS used for all other unsignalized intersections. Source: Hales Engineering, October 2021

Table 3: Mitigated Existing (2021) Background Evening Peak Hour LOS

Intersection	Level of Service				
Description	Control	Movement ¹	Aver. Delay (Sec. / Veh.)	LOS ²	
River Road / Main Street (S.R. 113)	Signal	-	8.1	А	
Fox Den Road / Main Street (S.R. 113)	NB Stop	NBL	12.3	b	
580 East / Main Street (S.R. 113)	NB Stop	NBL	12.8	b	
670 East / Main Street (S.R. 113)	SB Stop	SBL	10.9	b	

Source: Hales Engineering, October 2021

III. PROJECT CONDITIONS

A. Purpose

The project conditions discussion explains the type and intensity of development. This provides the basis for trip generation, distribution, and assignment of project trips to the surrounding study intersections defined in Chapter I.

B. Project Description

The proposed The Village development is located on the north side of Main Street, east of River Road. The development will consist of residential townhome and single-family units and some commercial, including retail, restaurant(s), office, and a clubhouse. A concept plan for the proposed development is provided in Appendix C. The commercial square footage used for this study is conservatively high to account for the possibility that additional space may be constructed. The proposed land use for the development has been identified in Table 4.

Land Use	Intensity
Townhomes	143 Units
Retail	10,200 sq. ft.
Restaurant	23,900 sq. ft.
Office	11,100 sq. ft.
Health/Fitness Club	40,900 sq. ft.

Table 4: Project Land Uses

C. Trip Generation

Trip generation for the development was calculated using trip generation rates published in the Institute of Transportation Engineers (ITE), *Trip Generation*, 10th Edition, 2017. Due to the mixed-use nature of the development, it is likely that several trips will be made via walking internally. Based on standard ITE methodology, mixed-use trip reductions of 7% and 43% were calculated for the morning and evening peak hour, respectively. These reductions were applied to all but the clubhouse land use as this type does not have its own field in the methodology. To be conservative, the evening peak hour reduction was lowered to 35%. For the clubhouse, because the HOA is anticipated to include memberships in its fees, it was assumed that approximately 12% of trips to and from it would be internal to keep the number of internal trips consistent with the prior square footage. Trip generation for the proposed project is included in Table 5.

The total new trip generation for the development is as follows:

•	Daily Trips:	4,412
•	Morning Peak Hour Trips:	302
•	Evening Peak Hour Trips:	395

Table 5: Trip Generation

			Trip (Generati	on						
Midway - The Village TIS											
Weekday Daily Land Use ¹	# of Units	Unit Type	Trip Generation	% Entering	% Exiting	Trips Entering	Trips Exiting	Internal Capture	New Trips Entering	New Trips Exiting	Total Nev Daily Trip
Multifamily Housing (Low-Rise) (220)	143	Dwelling Units	1,042	50%	50%	521	521	19%	422	422	844
Shopping Center (820)	10.2	1,000 Sq. Ft. GLA	1,274	50%	50%	637	637	19%	516	516	1,032
Quality Restaurant (931)	23.9	1,000 Sq. Ft. GFA	2,004	50%	50%	1,002	1,002	19%	812	812	1,624
General Office Building (710)	11.1	1,000 Sq. Ft. GFA	126	50%	50%	63	63	19%	51	51	102
Health/Fitness Club (492)	40.9	1,000 Sq. Ft. GFA	1,000	50%	50%	500	500	19%	405	405	810
Total			5,446			2,723	2,723		2,206	2,206	4,412
Morning Peak Hour Land Use ¹	# of Units	Unit Type	Trip Generation	% Entering	% Exiting	Trips Entering	Trips Exiting	Internal Capture	New Trips Entering	New Trips Exiting	Total Nev AM Trips
Multifamily Housing (Low-Rise) (220)	143	Dwelling Units	68	23%	77%	16	52	8%	15	48	63
Shopping Center (820)	10.2	1,000 Sq. Ft. GLA	158	62%	38%	98	60	8%	90	55	145
Quality Restuaruant (931)	23.9	1,000 Sq. Ft. GFA	18	50%	50%	9	9	8%	8	8	16
General Office Building (710)	11.1	1,000 Sq. Ft. GFA	38	86%	14%	33	5	8%	30	5	35
Health/Fitness Club (492)	40.9	1,000 Sq. Ft. GFA	54	51%	49%	28	26	20%	22	21	43
Total			336			184	152		165	137	302
Evening Peak Hour Land Use ¹	# of Units	Unit Type	Trip Generation	% Entering	% Exiting	Trips Entering	Trips Exiting	Internal Capture	New Trips Entering	New Trips Exiting	Total New PM Trips
Multifamily Housing (Low-Rise) (220)	143	Dwelling Units	82	63%	37%	52	30	30%	36	21	57
Shopping Center (820)	10.2	1,000 Sq. Ft. GLA	102	48%	52%	49	53	30%	34	37	71
Quality Restuaruant (931)	23.9	1,000 Sq. Ft. GFA	188	67%	33%	126	62	30%	88	43	131
General Office Building (710)	11.1	1,000 Sq. Ft. GFA	16	16%	84%	3	13	30%	2	9	11
Health/Fitness Club (492)	40.9	1,000 Sq. Ft. GFA	142	57%	43%	81	61	12%	71	54	125
Total			530			311	219		231	164	395

SOURCE: Hales Engineering, October 2

D. **Trip Distribution and Assignment**

Project traffic is assigned to the roadway network based on the type of trip and the proximity of project access points to major streets, high population densities, and regional trip attractions. Existing travel patterns observed during data collection also provide helpful guidance to establishing these distribution percentages, especially near the site. The resulting distribution of project generated trips during the evening peak hour is shown in Table 6.

Table 6: Trip Distribution

Direction	% To/From Project
North	15%
South	5%
East	40%
West	40%

These trip distribution assumptions were used to assign the evening peak hour generated traffic at the study intersections to create trip assignment for the proposed development. Trip assignment for the development is shown in Figure 3.

Midway - The Village TIS Trip Assignment Evening Peak Hour Figure 3



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E. Access

The proposed access for the site will be gained at the following locations (see also concept plan in Appendix C):

Main Street (S.R. 113):

- Access 1 will be located approximately 200 feet east of the Fox Den Road / Main Street (S.R. 113) intersection. It will access the project on the north side of Main Street (S.R. 113). It is anticipated that the access will be stop-controlled.
- Access 2 will be located directly across from the 580 East / Main Street (S.R. 113) intersection. It will access the project on the north side of Main Street (S.R. 113). It is anticipated that the access will be stop-controlled.

River Road:

• Access 3 will be located approximately 880 feet north of the River Road / Main Street (S.R. 113) intersection. It will access the project on the east side of River Road. It is anticipated that the access will be stop-controlled.

F. Auxiliary Lane Requirements

UDOT Administrative Rule R930-6 outlines minimum turn volumes (measured in vehicles per hour) to warrant auxiliary lanes. It is anticipated that auxiliary lanes are required for these accesses, as shown in Table 7 and Table 8.

Table 7: Au	xiliary Lane	Summary –	Access '	1
-------------	--------------	-----------	----------	---

Au	uxiliary Lane Type	Minimum Requirement	Measure	Met?
Left turn	Deceleration (EB-to-NB)	25 vph	72 vph	Yes
Right turn	Deceleration (WB-to-NB)	50 vph	27 vph	No

Table 8: Auxiliary Lane Summary – Access 2

Αι	uxiliary Lane Type	Minimum Requirement	Measure	Met?
Left turn	Deceleration (EB-to-NB)	25 vph	38 vph	Yes
Right turn	Deceleration (WB-to-NB)	50 vph	65 vph	Yes

IV. EXISTING (2021) PLUS PROJECT CONDITIONS

A. Purpose

The purpose of the existing (2021) plus project analysis is to study the intersections and roadways during the peak travel periods of the day for existing background traffic and geometric conditions plus the net trips generated by the proposed development. This scenario provides valuable insight into the potential impacts of the proposed project on background traffic conditions.

B. Traffic Volumes

Hales Engineering added the project trips discussed in Chapter III to the existing (2021) background traffic volumes to predict turning movement volumes for existing (2021) plus project conditions. Existing (2021) plus project evening peak hour turning movement volumes are shown in Figure 4.

C. Level of Service Analysis

Hales Engineering determined that all study intersections are anticipated to operate at acceptable levels of service during the evening peak hour with project traffic added, as shown in Table 9.

D. Queuing Analysis

Hales Engineering calculated the 95th percentile queue lengths for each of the study intersections. No significant queuing is anticipated during the evening peak hour.

E. Mitigation Measures

No additional mitigation measures are recommended.

F. Recommended Storage Lengths

Hales Engineering determined recommended storage lengths based on the 95th percentile queue lengths given in the future (2021) plus project scenario. These storage lengths do not include the taper length. Recommended storage lengths for the study intersections are shown in Table 10. Intersections shown in Table 10 include new intersections and existing intersections that have recommended storage length changes.

Table 9: Existing (2021) Plus Project Evening Peak Hour LOS

Intersection		Lev		
Description	Control	Movement ¹	Aver. Delay (Sec. / Veh.)	LOS
River Road / Main Street (S.R. 113)	Signal	-	8.8	А
Fox Den Road / Main Street (S.R. 113)	NB Stop	NBL	17.8	С
580 East / Main Street (S.R. 113)	NB/SB Stop	NBL	18.0	С
670 East / Main Street (S.R. 113)	SB Stop	SBL	14.4	b
Access 1 / Main Street (S.R. 113)	SB Stop	SBL	15.7	с
Access 3 / River Road	WB Stop	WBR	3.7	а

Source: Hales Engineering, October 2021

Table 10: Recommended Storage Lengths

		Recommended Storage Lengths (feet)															
		Northbound					outh	bound	Eastbound				Westbound			1	
Intersection		LI	Г	R	т	L	т	R	т	1	.Т	R	т	L	.т	R	Т
		E	Ρ	Е	Ρ	Е	Ρ	Е	Р	Е	Р	Е	Ρ	Е	Ρ	Е	Р
1 580 East / Main Street (S.R. 113)		-	•	-		-		-	-	-	100	-	-	-		-	50
2 West Access / Main Street (S.R. 113)		-	-	-	-	-	*	-		-	100	-					~

Midway - The Village TIS Existing (2021) Plus Project Evening Peak Hour Figure 4



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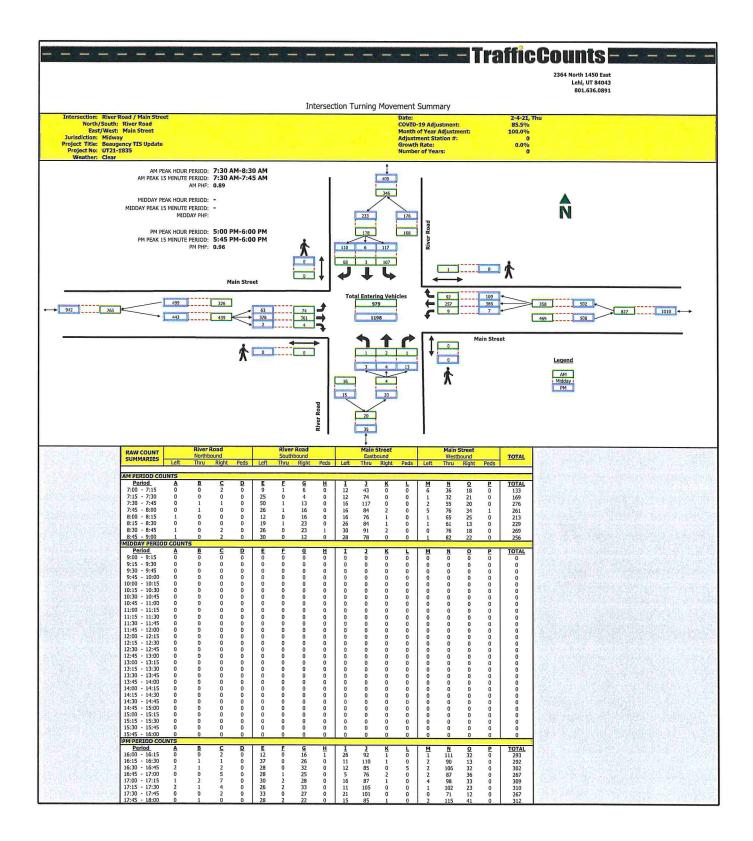
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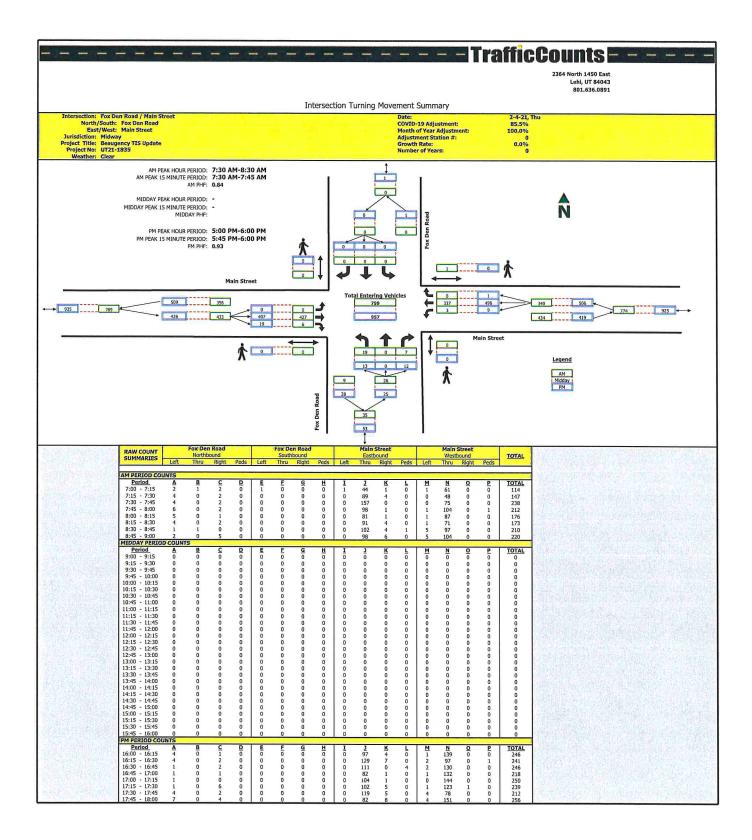


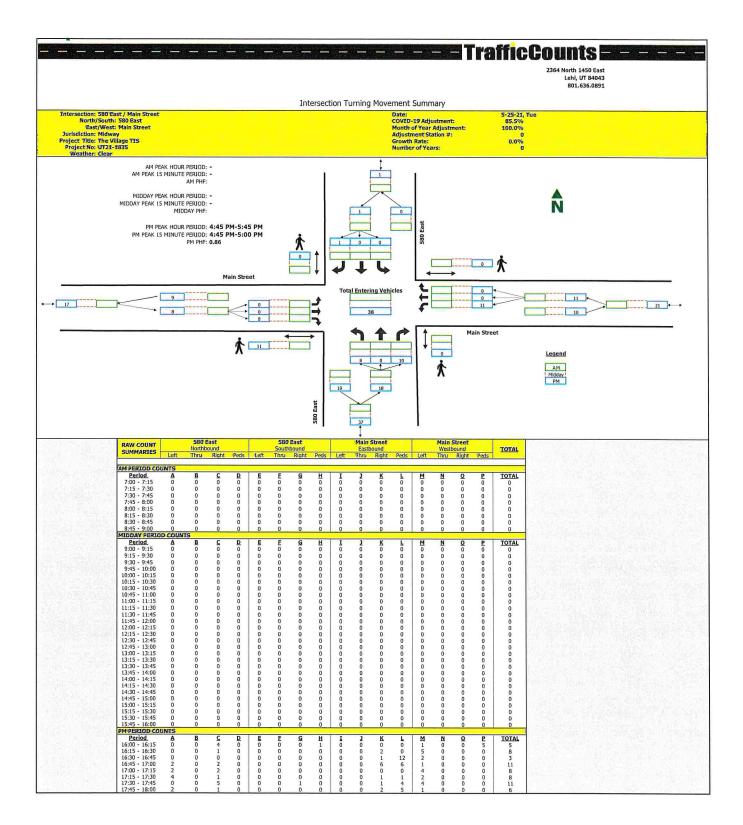
Midway - The Village Traffic Impact Study

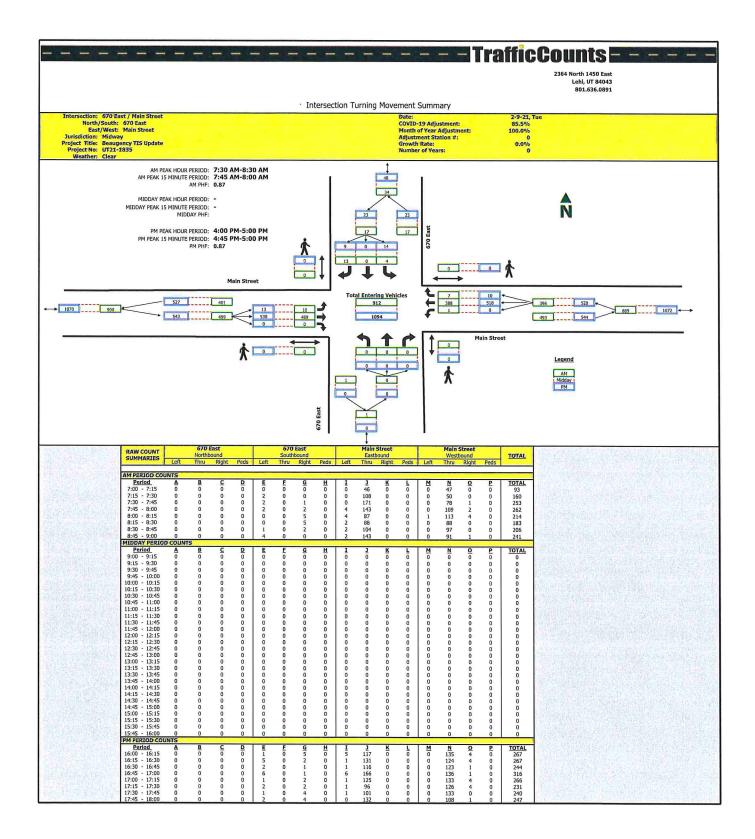
APPENDIX A

Turning Movement Counts









Midway - The Village Traffic Impact Study

HALES DENGINEERING

APPENDIX B LOS Results

HALES DENGINEERING

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Existing (2021) Background Evening Peak Hour

Project #: UT21-1835

And the second second

Intersection Type:	n:	River Road & Main Street Unsignalized								
Approach	Movement	Demand	Volume	Served	Delay/Veh (sec)					
Approach	Movement	Volume	Avg	%	Avg	LOS				
	L	3	2	67	20.9	С				
NB	Т	4	3	75	26.5	D				
ND	R	13	13	98	7.3	A				
	Subtotal	20	18	90	12.0	В				
	L	140	138	99	41.3	E				
SB	Т	6	4	67	35.2	E				
36	R	137	138	101	7.6	А				
	Subtotal	283	280	99	24.6	С				
	L	106	103	97	7.6	A				
EB	Т	386	380	98	4.0	Α				
LD	R	2	2	100	4.2	A				
	Subtotal	494	485	98	4.8	А				
	L	7	5	71	5.3	Α				
WB	Т	410	426	104	2.8	А				
VVD	R	146	150	103	1.3	А				
	Subtotal	563	581	103	2.4	A				
Total		1,360	1,364	100	8.0	A				

Intersectio Type:	n:	Fox Den Road & Main Street Unsignalized									
Approach	Movement	Demand	Volume	Served	Delay/Veh (sec)						
Approach	wovement	Volume	Avg	%	Avg	LOS					
	L	14	14	98	11.2	В					
NB	R	12	12	98	4.9	А					
	Subtotal	26	26	100	8.3	A					
	Т	526	520	99	1.3	A					
EB	R	21	20	94	1.0	A					
	Subtotal	547	540	99	1.3	A					
	L	9	7	78	4.1	A					
WB	т	541	556	103	1.0	A					
	Subtotal	550	563	102	1.0	A					
Total		1,124	1,129	100	1.3	A					

SimTraffic LOS Report

Project:	Midway - The Village TIS	
Analysis Period:	Existing (2021) Background	
Time Period:	Evening Peak Hour	Project #: UT21-1835

Intersection: Type:		580 East & Main Street Unsignalized				
Approach Movement		Demand	Contraction of the local division of the loc	Served	Delay/Ve	h (sec)
Approach	Movement	Volume	Avg	%	Avg	LOS
	L	8	8	100	11.3	В
NB	R	10	13	130	5.1	A
	Subtotal	18	21	117	7.5	А
	Т	523	515	99	0.8	А
EB	R	8	8	100	0.5	A
	Subtotal	531	523	98	0.8	A
	L	11	10	91	4.0	А
WB	Т	542	556	103	0.6	А
	Subtotal	553	566	102	0.7	А
Total		1,102	1,110	101	0.9	A

Intersection: Type:		Main Street & 670 East Unsignalized				
Approach	Movement	Demand	Volume	Served	Delay/Ve	h (sec)
Approach	movement	Volume	Avg	%	Avg	LOS
	L	14	14	98	10.0	A
SB	R	9	10	111	5.7	А
	Subtotal	23	24	104	8.2	А
	L	13	14	106	3.5	Α
EB	т	520	515	99	0.6	А
	Subtotal	533	529	99	0.7	А
	Т	544	557	102	1.3	A
WB	R	10	10	100	1.2	А
	Subtotal	554	567	102	1.3	A
Total		1,110	1,120	101	1.2	A

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Mitigated Existing (2021) Background Evening Peak Hour

Project #: UT21-1835

Intersection Type:	n:	River Road & Signalized	Main Street			
Approach	Movement	Demand	Volume	Served	Delay/Ve	h (sec)
Approach	movement	Volume	Avg	%	Avg	LOS
	L	3	3	100	12.6	В
NB	Т	4	4	100	7.1	A
ND	R	13	14	106	4.6	A
	Subtotal	20	21	105	6.2	A
	L	140	140	100	13.4	В
SB	Т	6	7	117	9.0	A
30	R	137	132	96	5.4	A
	Subtotal	283	279	99	9.5	A
	L	106	107	101	16.5	В
EB	Т	386	386	100	7.3	A
	R	2	3	150	1.5	А
	Subtotal	494	496	100	9.2	A
	L	7	6	86	11.7	В
WB	Т	410	395	96	7.5	A
VVD	R	146	147	101	3.3	A
	Subtotal	563	548	97	6.4	A
Total		1,360	1,344	99	8.1	A

Intersectio Type:	n:	Fox Den Road & Main Street Unsignalized				
Approach	Movement	Demand	Volume	Served	Delay/Ve	h (sec)
Approach	movement	Volume	Avg	%	Avg	LOS
	L	14	15	105	12.3	В
NB	R	12	14	114	4.6	А
	Subtotal	26	29	112	8.6	A
	Т	526	527	100	1.9	A
ЕВ	R	21	21	99	1.5	A
	Subtotal	547	548	100	1.9	A
	L	9	10	111	4.3	A
WB	Т	541	525	97	1.2	A
	Subtotal	550	535	97	1.3	Α
Total		1,124	1,112	99	1.8	A

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Mitigated Existing (2021) Background Evening Peak Hour

Project #: UT21-1835

Intersectio Type:	n:	580 East & Main Street Unsignalized				
Approach Movement		Demand	Volume	Served	Delay/Ve	h (sec)
Approach	wovement	Volume	Avg	%	Avg	LOS
	L	8	9	112	12.8	В
NB	R	10	10	100	5.5	A
	Subtotal	18	19	106	9.0	A
	Т	523	525	100	0.9	A
EB	R	8	8	100	0.4	A
	Subtotal	531	533	100	0.9	A
	L	11	11	100	4.1	A
WB	Т	542	525	97	0.7	A
	Subtotal	553	536	97	0.8	A
Total		1,102	1,088	99	0.9	A

Intersection: Type:		Main Street & 670 East Unsignalized				
Approach	Movement	Demand	Demand Volume Served		Delay/Ve	h (sec)
Apprecient	movement	Volume	Avg	%	Avg	LOS
	L	14	13	91	10.9	В
SB	R	9	10	111	5.1	A
	Subtotal	23	23	100	8.4	A
	L	13	12	91	3.8	A
EB	Т	520	523	101	0.7	A
	Subtotal	533	535	100	0.8	A
	Т	544	526	97	1.3	A
WB	R	10	10	100	0.7	A
	Subtotal	554	536	97	1.3	A
Total		1,110	1,094	99	1.2	A

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Existing (2021) Plus Project Evening Peak Hour

Project #: UT21-1835

Intersection Type:	n:	River Road & Signalized	Main Street			
Approach	Movement	Demand	Volume	Served	Delay/Ve	h (sec)
Approach	wovement	Volume	Avg	%	Avg	LOS
	L	3	3	100	10.8	В
NB	Т	4	4	100	9.9	A
	R	13	14	106	5.8	A
	Subtotal	20	21	105	7.3	A
	L	146	144	99	15.5	В
SB	Т	6	6	100	12.8	В
30	R	137	138	101	6.4	А
	Subtotal	289	288	100	11.1	В
	L	106	105	99	19.0	В
EB	Т	478	481	101	7.7	A
LD	R	2	2	100	3.1	A
	Subtotal	586	588	100	9.7	A
	L	7	8	114	16.0	В
WВ	Т	476	477	100	7.9	A
	R	151	145	96	3.3	A
	Subtotal	634	630	99	6.9	A
Total		1,529	1,527	100	8.8	A

Intersectio Type:	n:	Fox Den Road & Main Street Unsignalized				
Approach Movement		Demand	Volume	Served	Delay/Ve	h (sec)
Approach	wovement	Volume	Avg	%	Avg	LOS
	L	14	13	91	17.8	С
NB	R	24	24	99	7.0	A
	Subtotal	38	37	97	10.8	В
	Т	624	627	101	2.2	A
EB	R	21	19	89	1.5	A
	Subtotal	645	646	100	2.2	А
	L	17	19	110	5.9	А
WB	т	612	610	100	1.1	A
110						
	Subtotal	629	629	100	1.2	A
Tatal		4.040	1.010	100	0.0	
Total		1,312	1,312	100	2.0	A

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Existing (2021) Plus Project Evening Peak Hour

Project #: UT21-1835

and the second s

Intersectio Type:	n:	580 East & Main Street Unsignalized				
Approach Moveme		Demand	Volume	Served	Delay/Ve	h (sec)
Approach	movement	Volume	Avg	%	Avg	LOS
	L	8	8	100	18.0	С
NB	R	10	12	120	6.3	А
	Subtotal	18	20	111	11.0	В
	L	44	40	91	17.4	С
SB	R	40	38	96	8.2	A
02	Subtotal	84	78	93	12.9	В
	L	38	37	98	4.8	A
EB	Т	545	549	101	0.7	А
	R	8	9	112	0.2	Α
	Subtotal	591	595	101	0.9	А
	L	11	10	91	3.7	A
WВ	Т	573	574	100	0.9	А
VVD	R	65	68	105	0.4	A
	Subtotal	649	652	100	0.9	A
Total		1,341	1,345	100	1.7	A

Intersectio Type:	n:	Main Street & 670 East Unsignalized				
Approach	Movement	Demand	Volume	Served	Delay/Ve	h (sec)
Apprecen	movement	Volume	Avg	%	Avg	LOS
	L	14	15	105	14.4	В
SB	R	9	9	100	6.5	А
	Subtotal	23	24	104	11.4	В
	L	13	14	106	5.7	A
EB	т	586	587	100	0.8	A
	Subtotal	599	601	100	0.9	A
	Т	636	639	100	1.5	A
WB	R	10	11	110	1.1	A
	Subtotal	646	650	101	1.5	A
Total		1,269	1,275	100	1.4	A

SimTraffic LOS Report

Project: Analysis Period: Time Period: Midway - The Village TIS Existing (2021) Plus Project Evening Peak Hour

Project #: UT21-1835

Intersectio Type:	n:	Main Street & Access 1 Unsignalized					
Approach	Movement	Demand	Volume	Served	Delay/Ve		
		Volume	Avg	%	Avg	LOS	
	L	22	21	94	15.7	С	
SB	R	38	39	103	7.8	А	
	Subtotal	60	60	100	10.6	В	
	L	72	68	94	4.9	Α	
EB	Т	571	577	101	0.6	А	
	Subtotal	643	645	100	1.1	А	
	Т	592	590	100	1.0	Α	
WB	R	27	26	95	0.4	А	
	Subtotal	619	616	100	1.0	Α	
Total		1,322	1,321	100	1.4	A	

Intersectio Type:	n:	River Road & Unsignalized	Access 3			
Approach	Movement	Demand	Volume	e Served	Delay/Ve	the second s
		Volume	Avg	%	Avg	LOS
NB	Т	262	255	98	0.9	A
	Subtotal	262	255	97	0.9	A
	L	29	28	96	2.7	A
SB	Т	289	290	100	0.4	A
	Subtotal	318	318	100	0.6	A
WB	R	20	22	109	3.7	A
	Subtotal	20	22	110	3.7	A
Total		600	595	99	0.8	A



Midway - The Village Traffic Impact Study

APPENDIX C Site Plan



AREA TOTAL PROJECT AREA 27.47 ACRES R.O.W. DEDICATION ON WAIN 0.18 ACRES Building Calculations Building Calculations PAD AREA (SF) COMMERCIAL 48,592 RESIDENTIAL 81,401 TOTAL 129,993 37% 63% 100% GROSS BUILDING AREA COMMERCIAL B3,184 SF RESIDENTIAL (TOTAL) 242,731 SF RESIDENTIAL 2 STORY 162,822 SF RESIDENTIAL ABOVE GARAGE 79,909 SF TOTAL GROSS BUILDING 325,915 26% 74% 100% COMMERCIAL PARKING TOTAL PARKING SPACES 189 SPACES PARKING CALCULATIONS: TOTAL GROSS COMMERCIAL NET USEABLE COMMERCIAL AREA WITHOUT POOL PER ARCHITECT 48,198 SF PARKING RATIO = 48.198 SF = 1 SPACE FOR 255 SF NOTES: • THE FINAL NUMBER OF REQUIRED SPACES WILL DEPEND ON THE BUILDING TENANT, USE AND FINAL BUILDING DESIGN. RESIDENTIAL PARKING NOTES: • EACH RESIDENTIAL UNIT HAS A 2 CAR GARAGE. THERE ARE ALSO 72 OUTDOOR PARKING SPACES IN THE RESIDENTIAL AREA. • PLAN HAS A TOTAL OF 358 PARKING SPACES. PARKING CALCULATIONS TOTAL UNITS 3 BEDROOMS 143 143x2.5 - 358 SPACES (REQUIRED) PARKING SPACES PROVIDED GARAGES ON SITE PARKING TOTAL 143X2 = 286 72 358 SPACES (PROVIDED) LEGEND NON-BUILDABLE AREA COMMERCIAL BUILDINGS RESIDENTIAL UNIT RESIDENTIAL GARAGES LANDSCAPE AREA REVISION NOTE - 21 OCT 2021: REVISED TO ADD RESIDENTIAL PARKING FOR 3 REVISION NOTE - 29 OCT 2021: COMMERCIAL BUILDINGS PAD, GROSS AND NET USEABLE SQUARE FOOTAGES HAVE BEEN UPDATED BY ARCHITECT. 30 60 120 SCALE: 1"=60' LUSTER THE VILLAGE REVISED MASTER PLAN THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED. PAUL D. BERG P.E. SERIAL NO. _295595 DATE: _29 OCT 2021 BERGENGINEERING 380 E Main St. Suite 20 Midway, Ut 84049 ph 435.657.9749 DESIGN BY: PDB DATE: 4 OCT 2021 DRAWN BY: DEJ REV: 29 OCT 2021 2



Midway - The Village Traffic Impact Study

APPENDIX D

95th Percentile Queue Length Reports

Sim Traffic Queueing Report Project: Midway - The Village TIS Analysis: Existing (2021) Background Time Period: Evening Peak Hour 95 th Percentile Queue Length (feet)	eport TIS ^{Id}		T	AL	S	E.	ENG novative	INE transpor Project	HALES D ENGINEERING innovative transportation solutions Project #: UT21-1835	NG Iutions -1835
		NB		SB			8		WB	ないとなって
Intersection	LR	LTR	LR	LT -	æ	LT	LT LTR	LT	LTR	TR
01: River Road & Main Street	1	43	1	190	107	1	125	1	38	I
02: Fox Den Road & Main Street	46	ł	I	ſ	ł	ł	ł	27	ł	I
03: 580 East & Main Street	43	ł	I	Ĭ	ł	I	ł	39	I	I
04: Main Street & 670 East	I	I	44	I	I	43	I	ł	ł	2

SimTraffic Queueing Report Project: Midway - The Village TIS Analysis: Mitigated Existing (2021) Background Time Period: Evening Peak Hour 95 th Percentile Queue Length (feet)	epoi TIS ^{3ackgr}	1 ound			HALES DENGINEERING innovative transportation solutions Project #: UT21-1835	Ц	S	G		ENGINEERING innovative transportation solutions Project #: UT21-1835	NE anspo	EEF rtation t #: U	INEERING transportation solutions Project #: UT21-1835	ions 1835
		NB		ALC: NO	SB	and the second		and a second					VB	
Intersection		Ľ	TR	T	LR TR L LR TR L LT R T L LT	TR	L	Ы	۲	F	1	LT	2	-
01: River Road & Main Street	13	ï	26 92	92	I	- 67	85		∞ I	137	22	I	80	152
02: Fox Den Road & Main Street	ł	46	ł	ł	I	I	I	ł	I	ł	I	38	ł	ł
03: 580 East & Main Street	I	43	ł	ł	I	ł	I	ł	ł	ł	I	40	ł	ł
04: Main Street & 670 East	I	ł	1	1	43	I	I	40	ł	ł	ł	I	I	I

NB SB SB SB SB SB MB MB Intersection L R T L L L L L L L L L L L L L L L R T R L L R T R L L R T R L L R L L R L L R L L R T R T R T R T R T R T T T T T T T T T T T T T T T T T	Sim Traffic Queueing Repo Project: Midway - The Village TIS Analysis: Existing (2021) Plus Project Time Period: Evening Peak Hour 95 th Percentile Queue Length (feet)	Repo ect	t	TRANSING ST		15.300	派行。此外	語言語	山口にな	The series	L.	HALES		S		Inovat	ENGINEERING innovative transportation solutions Project #: UT21-1835	INEERING transportation solutions Project #: UT21-1835	#: UT	IN (solutio	335 ms ()
L L <thl< th=""> L L L L<th></th><th></th><th></th><th>B</th><th></th><th>THE ME</th><th></th><th>SB</th><th></th><th></th><th></th><th></th><th>EB</th><th></th><th></th><th></th><th></th><th>M</th><th>m</th><th></th><th></th></thl<>				B		THE ME		SB					EB					M	m		
13 - - 28 - - 70 - 52 - - 73 88 - 7 165 - 25 - - 70 - 52 - - - - - - 77 - 77 - 77 - 77 - 77 - 77 - 77 - 77 - 77 - 77 - 76 56 - 45 - - 77 - 76 57 - 77 - 77 - 77 - 77 - 77 - 77 - 76 56 - 45 - - 77 - 76 56 56 - 47 - - 36 56 - - - - 36 56 - - - - 36 57 - - - - - - - 10 - 10 10 10 10 <th>Intersection</th> <th></th> <th>L</th> <th>LTR</th> <th>R</th> <th>-</th> <th>Ľ</th> <th></th> <th>LTR</th> <th>T</th> <th>-</th> <th>5</th> <th>œ</th> <th>F</th> <th>Ľ</th> <th></th> <th>R</th> <th>F</th> <th>æ</th> <th>F</th> <th>Ľ</th>	Intersection		L	LTR	R	-	Ľ		LTR	T	-	5	œ	F	Ľ		R	F	æ	F	Ľ
- 52 - - - - - 77 - - - 44 - - - 65 - 45 - - - 77 - - - 44 - - - 65 - 45 - - - 36 5 - - - - 65 - 45 - - - 36 5 - - - - 55 - - - - 36 5 - - - - - 55 -	01: River Road & Main Street	13	ł	ł	28	98	Т	ł	Т	73	88	1	2	165	1	25	1		70 1	170	-
36 5 36 5 36 5 36 5 36 5 36 5 55 <td< td=""><td>02: Fox Den Road & Main Street</td><td>l</td><td>52</td><td>I</td><td>l</td><td>ł</td><td>I</td><td>ł</td><td>ł</td><td>ł</td><td>ł</td><td>ł</td><td>ł</td><td>ł</td><td>2</td><td>ł</td><td>I</td><td>77</td><td>1</td><td>1</td><td>1</td></td<>	02: Fox Den Road & Main Street	l	52	I	l	ł	I	ł	ł	ł	ł	ł	ł	ł	2	ł	I	77	1	1	1
47 55 <td< td=""><td>03: 580 East & Main Street</td><td>1</td><td>ł</td><td>44</td><td>I</td><td>ł</td><td>I</td><td>ł</td><td>65</td><td>ł</td><td>45</td><td>I</td><td>I</td><td>I</td><td>I</td><td>I</td><td>ł</td><td>36</td><td>2</td><td></td><td>1</td></td<>	03: 580 East & Main Street	1	ł	44	I	ł	I	ł	65	ł	45	I	I	I	I	I	ł	36	2		1
- - - 63 - - 51 -<	04: Main Street & 670 East	ł	ł	ł	1	1	47	ł	I	I	Î	55	ł	I	I	Ĭ	I	ł	I		1
39	05: Main Street & Access 1	1	Ì	I	I	I	63	I	I	1	51	ł	ł	I	1	ł	I	ł	E	I	e
	06: River Road & Access 3	1	I	I	ł	Ī	ł	39	ł	I	ł	I	ł	I	1	ł	42	I	I	1	1

Exhibit 5

MIDWAY VILLAGE

COMMUNITY MEETING OCTOBER 11, 2021

14 CITIZENS ATTENDED

DISCUSSION TOPICS:

- 1. Nightly rentals and location within the project
 - a. No community feedback, just wondering what the lines were.
- 2. Commercial buildings along Main Street, Restaurant options
 - a. Inez and daughter expressed concern about garbage proximity to their home
- 3. Garages for the townhomes hoping to be underground
- 4. Inez Wilde had questions about the center turn lane on Main St.
 - a. Concern about Inez's driveway and any lane changes in that area
 - b. Question about if/when UDOT will give approvals and what they might do
- 5. Questions and discussion on phasing the project.
 - a. Question about phase timing—Scovils hoped to be in the last phase
- 6. Dan wants to get the Swim and Racquet Club started at Phase 1, or maybe before.
- 7. Discussion with Scovils about possible landscaping and berms along the west side of project.
- 8. Discussion on next steps, working with the developer, approval process with the city.
 - a. Scovils and Stevens would like to settle on landscaping/berms
 - b. Scovils (probably others) would like to know when everything is firm so they don't have to keep attending meetings...
- 9. Everybody was very pleased to have had the meeting.
 - a. Very cordial meeting-we've all gotten to know each other over the past year...
- 10. Hauters were not present to express their desire for attaching road
- 11. Nephi was present and reinforced his desire for no river road connection, but did so before/after the meeting.
- 12. Questions about open space being open to public for walks and any possible trail to Memorial Hill were discussed (most agreed the county would't allow it and thought the trail to river road and then the backside of Memorial Hill would suffice so long as a good cross walk exists at the River Road access area).
- 13. Steve Doughrty asked to attend and was there to observe.
- 14. In general there were few comments/questions. Most had seen the new design and like it much better than the old design. Developer showed new design, discussed probable uses for commercial spaces and probable architecture. Townhome designs interior and exterior were also discussed.