

Town of Apple Valley 1777 N Meadowlark Dr

1777 N Meadowlark Dr Apple Valley UT 84737 T: 435.877.1190 | F: 435.877.1192 www.applevalleyut.gov Fee: \$750.00

| Preliminary Site Pla | n Application |
|---|--|
| Applications Must Be Submitted A Minimum of 21 Days in | Advance of The Planning Commission Meeting |
| | Phone: (916) 240-1808 Email: dan tygard@gmail.con State: Zip: 8427 |
| Address: 163 N. Main St. City: Hurricane | Email: dan tygard@gmail.com |
| City: Hurricane | State: Zip: 8477 |
| Agent: (If Applicable) | Phone: |
| Address/Location of Property: 1350 N. State St. | Apple Valley VT 84737 |
| Zoning Designation: 12V Park Zony | Parcel ID: AV - 133 4 - W |
| Proposed Use 20 Park | Apple Valley VT 84737 Parcel ID: AV-1334-W |
| 100 A | e project. ication of 30% or greater slopes. |
| any. Preliminary utility plan, including water, sewer, and utilities. 4. Tables showing the number of acres in the proposed for the proposed form. 5. A phased development plan if applicable. Warranty Deed or preliminary title report or othe evidence that the applicant has control of the proposed form. Signed and notarized Acknowledgement of Water | red development and a land use summary. r document (see attached Affidavit) showing perty. |

| Official Use Only | Amount Paid: \$ Receipt No: | | |
|-----------------------|-----------------------------|-----------------------------------|--|
| Date Received: 8/3/22 | Date Application Deemed | Date Application Deemed Complete: | |
| Ву: | Ву: | | |

Note:

It is important that all applicable information noted above is submitted with the application. An incomplete application will not be scheduled for Planning Commission consideration. A deadline missed due to an incomplete application, could result in a month's delay. Planning Commission meetings are held on the first Wednesday of each month at 6:00 p.m. Contact the Planning Department for the deadline date for submissions. Once your application is deemed complete, it will be put on the agenda for the next Planning Commission meeting. A deadline missed due to an incomplete application could result in a month's delay.

PURPOSE

The site plan review process is established to encourage adequate advanced planning and assure a good quality environment for the Town. Such procedure is intended to provide for orderly, harmonious, safe, and functionally efficient development consistent with priorities, values, and guidelines stated in the various elements of the Apple Valley General Plan, and the Land Use Ordinance, and to protect the general welfare of the community.

WHEN REQUIRED

The preliminary site plan review is only required on the following projects when the Planning Department Manager determines the scope of the project requires both the preliminary site plan and site plan approval; a) Any multiple-family residential use; b) Any public or civic use; c) Any commercial use; or (d) Any industrial use.

The preliminary site plan is also required with a submittal of zone changes to Planned Development Overlay, or changes to an approved Planned Development Overlay.

A preliminary site plan is not intended to permit actual development of property pursuant to such plan but is prepared merely to represent how the property could be developed. Submittal, review, and approval of an application for a preliminary site plan shall not create any vested rights to development.

Upon approval of a preliminary site plan, the applicant may prepare and submit the greater level of detail required for a for a site plan review application, which is required before construction may commence.

PROCESS

The preliminary site plan is submitted to the Planning and Building Department twenty-one (21) days prior to a regularly scheduled planning Commission meeting. During this time prior to the meeting, Staff will review the plan, and prepare a report and recommendation for the Planning Commission. The Planning Commission at the public meeting will review the application and Staff's report, and approve, approve with conditions, or deny the preliminary site plan.

APPEALS

Since there are no vested rights with the approval of a preliminary site plan, the matter is generally not appealed. However, if an appeal is made, it would be filed with the Town Clerk and heard by the Appeal Authority. The decision of the Appeal Authority is final unless appealed to a court of competent jurisdiction within thirty (30) days from the date of decision of the Appeal Authority.



Town of Apple Valley

1777 N Meadowlark Dr Apple Valley UT 84737 T: 435.877.1190 | F: 435.877.1192 www.applevalleyut.gov

ACKNOWLEDGEMENT OF WATER SUPPLY

| I/We, _ | Dan Tygend | am/are the applicant(s) of the applicati | on known as | | | |
|---|---|--|--|--|--|--|
| *************************************** | Knollwood 85, LLC | located on parcel(s) | | | | |
| nese est didirec | Dan Tygend Knollwood 85, LLC AV-1334-W | within the Town of Apple Valley, V | Washington County, Utah. | | | |
| By my/o | our signatures(s) below, I/we do hereby | acknowledge and agree to the following: | | | | |
| 2. | serve the zone, project, or permit for we Prior to receiving final approval for the the Town of Apple Valley to provide a general Service and guarantee of water for the applica applicant; and | by the Town does not guarantee that sufficient which this application is being submitted; and application, and/or any building permit, the ap guarantee of water service through a "Will Serve District ("District") which verifies that there is a tion or proof that another guaranteed source of | plicant may be required by e" letter from the Big a sufficient water supply f water is available to the | | | |
| | | bility for the project and/or application. | | | | |
| Signatur | re(s): | | -7-1 | | | |
| | In Typul | Owner | 8/3/2022 | | | |
| Name | | Applicant/Owner | Date | | | |
| Name | | Applicant/Owner | Date | | | |
| Name | | Applicant/Owner | Date | | | |
| | utah of Washington) of washington | | | | | |
| On this _ appeare whose n | day of Hygust, in the year day of Tygard ame(s) (is/are) subscribed to this instru | ar 20 <u>2</u> , before me, <u>lnna Vizardo</u> a , proved on the basis of satisfactory ev ument, and acknowledged (he/she/they) execut | notary public, personally idence to be the person(s) eed the same. | | | |
| | | Witness my hand and official seal | (notary signature) | | | |
| | | (seal) JENNA VIZCARDO Notary Public State of Mark | 7 | | | |

Commission # 723126 My Commission Expires February 16, 2026

AFFIDAVIT PROPERTY OWNER

| STATE OF UTAH) | |
|--|--|
|)§ | |
| COUNTY OF WASHINGTON) | |
| 1 (We) Dan Tygend | , being duly sworn, deposed and say that I |
| (We) am (are) the owner(s) of the property identified in the attached | d application and that the statements herein contained and the |
| information provided identified in the attached plans and other exhi | |
| knowledge. I (We) also acknowledge that I (We) have received writt | |
| applying and the Apple Valley Town Planning Staff have indicated the | y are available to assist me in making this application. |
| | Don Togal |
| | Property Owner |
| | |
| | Property Owner |
| 7 | |
| Subscribed and sworn to me this 3 day of Avs | , ust , 20 22. |
| | <u>Ju</u> |
| JENNA VIZCARDO | Notary Public |
| Notary Public, State of Utah Commission # 723126 My Commission Expires | Residing in: u+ah |
| February 16, 2026 | 21 |
| | My Commission Expires: 2 [16 20 |
| | · · |
| AGENT AUTHO | RIZATION |
| 1 (\Ma) | the owner(e) of the real property described in the |
| I (We),attached application, do authorize as my (our) agent(s) | , the owner(s) of the real property described in the |
| the attached application and to appear on my (our) behalf before any | |
| application and to act in all respects as our agent in matters pertainin | |
| | |
| | Property Owner |
| | |
| | |
| | |
| | Property Owner |
| | |
| Subscribed and sworn to me this day of | , 20 |
| | |
| | Natura D. L.P. |
| | Notary Public |
| | Deciding in |
| | |
| | Residing in: |
| | My Commission Expires: |

DOC ID ZUZTUUU/62Z

Warranty Deed Page 1 of 3
Gary Christensen Washington County Recorder
02/02/2021 04:15:01 PM Fee \$40.00 By
VANGUARD TITLE INSURANCE AGENCY, LLC OREM

Vanguard Title Insurance Agency, LLC
Mail Tax Notices to and
WHEN RECORDED RETURN TO:
Knollwood85, LLC, a Utah Limited Liability Company
14653 S. River Urase Rd.
Herriman, UT 8496

File No.: 52128-HP

WARRANTY DEED

GRANTOR(S): Little Creek Station, LLC

hereby CONVEY(S) and WARRANT(S) to:

GRANTEE(S): Knollwood85, LLC, a Utah Limited Liability Company

for the sum of Ten Dollars and Other Good and Valuable Consideration the following described tract(s) of land in Washington County, State of UTAH:

See Exhibit "A" attached hereto and made a part hereof.

SUBJECT TO County Taxes and Assessments not delinquent, Easements, Rights of Way, Covenants, Conditions and Restrictions now of record

WITNESS, the hand(s) of said Grantor(s), EXECUTED this 28 to day of J

Little Creek Station, LLC

David Mason

James Shoughro

Ménager

20210007622 02/02/2021 04:15:01 PM Page 2 of 3 Washington County

State of Nevada

}\$\$.

County of Clark

On this 2014 day of January, 2021, personally appeared before me, David Mason who being duly sworn, did say that he is a Manager (s) of Little Creek Station, LLC, a limited liability company, and that said instrument was signed in behalf of said company by authority of statute, its articles of organization or its operating agreement, and that David Mason, acknowledged to me that said limited liability company executed the same.

Wilness my hand and official seal.

Notary Public

VICTORIA O'HARRA

Notary Public-State of Nevada
Appointment No. 16-2215-1
My Appointment Expires June 5, 2024

State of Nevada

(}ss.

County of Clark

On this 28TM day of January, 2021, personally appeared before me, James Shoughro who being duly sworn, did say that he is a Manager (s) of Little Creek Station, LLC, a limited liability company, and that said instrument was signed in behalf of said company by authority of statute, its articles of organization or its operating agreement, and that James Shoughro, acknowledged to me that said limited liability company executed the same.

Witness my hand and official seal.

Notary Public

VICTORIA O'HARRA
Notary Public-State of Nevada
Appointment No. 16-2215-1
My Appointment Explires June 5, 2024

EXHIBIT A

Legal Description

Order No.: 52128-HP

BEGINNING AT A POINT ON THE EAST LINE OF SECTION 30, TOWNSHIP 42 SOUTH, RANGE 11 WEST, SLB&M, AND THE NORTHEASTERLY RIGHT-OF-WAY LINE OF STATE ROUTE NO. U-59 WHICH IS SITUATED N. 0°04′57″ W. 143.51 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 30, THENCE N. 54°10′15″ W. ALONG SAID NORTHEASTERLY RIGHT-OF-WAY LINE 77.08 FEET TO A STATE ROAD RIGHT-OF-WAY MARKER, THENCE N. 54°09′33″ W. ALONG SAID NORTHEASTERLY RIGHT-OF-WAY LINE 896.61 FEET, THENCE DEPARTING SAID NORTHEASTERLY RIGHT-OF-WAY LINE AND RUNNING N. 35°18′34″ E. 330.83 FEET, THENCE N. 55°29′54″ W. 219.98 FEET, THENCE N. 0°20′08″ E. 208.70 FEET TO THE NORTH LINE OF THE SE1/4SE1/4 OF SAID SECTION 30, THENCE N. 89°52′30″ E. ALONG THE 1/16 LINE 503.24 FEET, THENCE S. 30°31′36″ E. ALONG THE SOUTHWESTERLY LINE OF LOT 78, APPLE VALLEY RANCH SUBDIVISION PHASE 2, 90.14 FEET TO THE MOST SOUTHERLY CORNER OF SAID LOT 78, THENCE S. 33°08′02″ E. 417.33 FEET TO THE EAST LINE OF SAID SECTION 30, THENCE S. 0°04′57″ E. ALONG THE SECTION LINE 747.29 FEET TO THE POINT OF BEGINNING.

Access Easement #1 to State Route U-59

TOGETHER WITH A 30.00 FOOT WIDE EASEMENT FOR INGRESS/EGRESS AND UTILITIES DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH IS SITUATED N. 0°04'57" W ALONG THE SECTION LINE 765.81 FEET AND N. 90°00'00" W, 751.48 FEET FROM THE SOUTHEAST CORNER OF SECTION 30, TOWNSHIP 42 SOUTH, RANGE 11 WEST, SLB&M, THENCE N. 54°09'33" W. 120.31 FEET, THENCE ALONG THE ARC OF A CURVE TO THE LEFT WITH A RADIUS OF 40.00 FEET A DISTANCE OF 62.83 FEET (THE CHORD OF SAID CURVE BEARS S. 80°50'27" W. 56.57 FEET), THENCE S. 35°50'27" W. 23.94 FEET TO THE NORTHEASTERLY RIGHT-OF-WAY LINE OF STATE ROUTE NO. U-59, THENCE N. 54°09'33" W. ALONG SAID RIGHT-OF-WAY LINE 30.00 FEET, THENCE N. 35°50'27" E. 23.94 FEET, THENCE ALONG THE ARC OF A CURVE TO THE RIGHT WITH A RADIUS OF 70.00 FEET A DISTANCE OF 109.96 FEET (THE CHORD OF SAID CURVE BEARS N. 80°50'27" E. 98.99 FEET), THENCE S. 54°09'33" E. 120.03 FEET, THENCE S. 35°18'34" W. 30.00 FEET TO THE POINT OF BEGINNING.

Access Easement #2 to Apple Valley Way

TOGETHER WITH A 30.00 FOOT WIDE EASEMENT FOR INGRESS/EGRESS AND UTILITIES DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH IS SITUATED N. 0°04'57" W ALONG THE SECTION LINE 1169.08 FEET AND N. 90°00'00" W. 777.60 FEET FROM THE SOUTHEAST CORNER OF SECTION 30, TOWNSHIP 42 SOUTH, RANGE 11 WEST, SLB&M, THENCE N. 74°26'53" W. 250.16 FEET, THENCE N. 27°50'31" E. 30.70 FEET, THENCE S. 74°26'53" E. 235.46 FEET, THENCE S. 0°20'08" W. 31.09 FEET TO THE POINT OF BEGINNING.

Tax Parcel No.: AV-1334-J

Knollwood RV Drainage Report



Prepared by: Jake Black, E.I.T. Reviewed by: Brant Tuttle, P.E.

May 10, 2022



1040 East 800 North Orem, Utah 84097 (801) 802-8992

Introduction

This document outlines the storm water and drainage plan for the Knollwood RV Site Plan. The report will discuss the hydrologic storm criteria, the methodology of design, and the collection and retention system. The Knollwood RV site plan is an 13.80-acre project located near the northeast corner of Apple Valley Way and Highway 59 in Apple Valley, Utah.

Hydrologic Criteria

The climate in Apple Valley is semi-arid, and characterized by low precipitation, low humidity, and extreme variations in temperature. Spring and summer thunderstorms have the greatest potential for flooding and erosion. Cloudburst type storms that are characterized by short periods of high intensity rainfall cause these extreme runoff events.

The probability of a storm event, of certain magnitude, occurring within a return period provides the estimates of rainfall for engineering applications. Rainfall depths from the 25-year storm was used in this design. All rainfall depths were obtained from the NOAA Atlas 14 online site.

Methodology

Northern Engineering, Inc. used the Rational Method (Q=CIA) to determine expected storm water peak runoffs and the Modified Rational Method to determine storage requirements. The Rational Method defines storm discharge flows as the product of the runoff coefficient (C), the rainfall intensity (I), and the drainage study area (A).

Collection and Retention System

The site is graded for runoff to flow northwest. A combination of 3.5' drainage swales and 2' concrete swales were used around the drive isles and stalls to capture and convey runoff towards to the basins on the northwest end of the site. See Appendix A for the grading plan and swale details.

Both basins were constructed 5-feet deep, 4-feet for storage and 1-foot of freeboard. The 25-year storm event was modeled on the project to calculate the required storage. The total storage required is 28,955 cubic feet. The two basins provide approximately 29,085 cubic feet of storage. See Appendix B for calculations.

During storm events larger than the 25-year, the south basin will overflow and runoff to the north basin via the constructed swales. An outlet structure will be placed in the north basin and will

control the outflow to 0.2 cfs per acre with a 2.06-inch diameter orifice. The grate of the control box will be set at the high-water elevation so larger storm events will bypass the orifice and flow directly into the outlet. The outlet pipe will be run to the existing large drainage channel to the north of the north basin.

Appendix

Appendix A – Grading Plan and Swale Details Appendix B – Calculations Project:

Knollwood RV - Apple Valley

Date:

5/10/2022

Designer: Jake Black



| Allowable Discharge | | | |
|---------------------|-----------|-----------------------|--|
| Per Acre (cfs) | Area (ac) | Total Discharge (cfs) | |
| 0.20 | 13.43 | 2.69 | |

| 25-Year Strom Event Storage Required | | | | | | | | |
|--------------------------------------|--------|------|----------------|--------|---------|---------|---------|-------------|
| Duration | Area | | 25yr Intensity | Q | Accum Q | Release | Accum R | Storage Req |
| min | sq ft | C | in/hr | cfs | cf | cfs | cf | cf |
| 5 | 584800 | 0.61 | 4.99 | 40.865 | 12259 | 2.685 | 806 | 11454 |
| 10 | 584800 | 0.61 | 3.80 | 31.120 | 18672 | 2.685 | 1611 | 17061 |
| 15 | 584800 | 0.61 | 3.14 | 25.715 | 23143 | 2.685 | 2417 | 20727 |
| 30 | 584800 | 0.61 | 2.11 | 17.280 | 31103 | 2.685 | 4833 | 26270 |
| 60 | 584800 | 0.61 | 1.31 | 10.728 | 38621 | 2.685 | 9666 | 28955 |
| 120 | 584800 | 0.61 | 0.73 | 5.945 | 42807 | 2.685 | 19332 | 23475 |
| 180 | 584800 | 0.61 | 0.51 | 4.136 | 44665 | 2.685 | 28998 | 15666 |
| 360 | 584800 | 0.61 | 0.30 | 2.457 | 53067 | 2.685 | 57997 | 0 |
| 720 | 584800 | 0.61 | 0.18 | 1.474 | 63680 | 2.685 | 115993 | 0 |
| 1440 | 584800 | 0.61 | 0.11 | 0.876 | 75709 | 2.685 | 231987 | 0 |

| Storage Provided | | | |
|------------------|-------------|-----------------|--|
| South Basin | North Basin | Storage Provide | |
| cf | cf | cf | |
| 13,125 | 15,960 | 29085 | |

| Discharge Orifice Sizing | | | | |
|--------------------------|--------------------------|---------------|-------------|---------------------|
| Release Rate (cfs) | Discharge Coefficient | Depth (ft) | Area (in^2) | Orifice Dia (in) |
| 2.69 | 0.6 | 4.0 | 3.35 | 2.06 |

$$D = \sqrt{A * \frac{4}{\pi}}$$

$$A = \frac{Q}{C_d * \sqrt{2 * g * H}}$$







