Standard Form No. 5 Drainage and Stormwater Treatment Scope Approval Form

Prior to starting a development plan and before the first drainage submittal, a Drainage and Stormwater Treatment Scope Approval Form must be submitted for review and signed by the City Engineer. A signed form shall also be included in every drainage submittal as Attachment A. This Scope Approval Form is for City requirements only. Values may be approximate. The City encourages supporting calculations and figures to be attached.

Project Information	
Project name:	Wild Blue Gondola
Project location:	2305 Mt Werner Circle (Parcel ID Number 936271001) Lot 2 Parcel D Replat of Ski Hill Subdivision
Developer name/contact info:	Steamboat Ski & Resort Corp. Jim Schneider, 970-871-5381, jschneider@steamboat.com
Drainage engineer name/contact info:	Deborah Spaustat, P.E., Landmark Consultants, Inc. debs@landmark-co.com, 970-871-9494
Application Type:	Development Plan Public Hearing
Proposed Land Use:	Open Space & Recreation (OR); Ski Area

Project Site Parameters	
Total parcel area (acres):	2.10-acres (lower terminal), 2.37-acres (upper terminal)
Disturbed area (acres):	2.10-acres (lower terminal), 2.37-acres (upper terminal)
Existing impervious area (acres, if applicable):	0.67-acres (lower terminal), 0-acres (upper terminal)
Proposed new impervious area (acres):	0.05-acres (lower terminal), 1.31-acres (upper terminal)
Proposed total impervious area (acres):	0.61-acres (lower terminal), 1.31--acres (upper terminal)
Proposed number of project outfalls:	2 (lower terminal), 1 (upper terminal)
Number of additional parking spaces:	0
Description and site percentage of existing cover/land use(s):	OR - Open Space & Recreation (100%)
Description and site percentage of proposed cover/land use(s):	OR - Open Space & Recreation (100%)
Expected maximum proposed conveyance gradient (%):	Sheet flow slopes up to 50%
Description of size (acres) and cover/land use(s) of offsite areas draining to the site	none

Type of Study Required:

- [x] Drainage Letter
- [ ] Final Drainage Study
- [ ] Conceptual Drainage Study
- [x] Stormwater Quality Plan

Hydrologic Evaluation:

- [x] Rational Method
- [ ] CUHP/SWMM
- [ ] HEC-HMS
- [ ] Other_____

Project Drainage	
Number of subbasins to be evaluated:	5 (lower terminal), 2 (upper terminal)
Presence of pass through flow (circle)	YES (NO)
Description of proposed stormwater conveyance on site:	**lower** - maze drains to trench drains to sand filter, hill side drains to "terminal depression" to storm sewer to 78" BC culvert **upper** - terminal structure and gravel area drain to swale to level spreader, to infiltration on natural ground
Project includes roadway conveyance as part of design evaluation (circle):	YES (NO)
Description of conveyance of site runoff downstream of site, identify any infrastructure noted in Stormwater Master Plan noted as lacking capacity for minor or major storm event:	**lower -** is conveyed downstream in 78" BC culvert to BC to the Yampa **upper - infiltrated or access road drains to Unnamed Tributary to Burgess Creek** **No infrastructure is noted as lacking capacity**
Detention expected onsite(circle):	YES (NO)
Presence of Floodway or Floodplain on site (circle):	YES (NO)
Anticipated modification of Floodway or Floodplain proposed (circle):	YES (NO)
Describe culvert or storm sewer conveyance evaluative method:	Storm sewer evaluated using SSA

Permanent Stormwater Treatment Facility Design Standard (check all that apply with only one standard per tributary basin):

- [ ] WQCV Standard
- [ ] TSS Standard
- [x] Infiltration Standard
- [x] ~~Constrained Redevelopment WQCV Standard~~ Site not constrained. See 5.12.4.4.
- [ ] Constrained Redevelopment TSS Standard
- [ ] Constrained Redevelopment Infiltration Standard
- [x] ~~Does not Require Permanent Stormwater Treatment (attach Exclusion Tracking Form)~~

Site not excluded. See 5.12.3

Project Permanent Stormwater Treatment	
Justification of choice of proposed design standard, including how the site meets the constrained redevelopment standard, infiltration test results, etc.	See attached narrative Narrative not included
Concept-level permanent stormwater treatment facility design details (type, location of facilities, proprietary structure selection, treatment train concept, etc.):	~~**lower** - constrained site redevelopment, sand filter~~ ~~**upper** - exclusion of roadway redevelopment, runoff reduction w/ level spreader~~
Proposed LID measures to reduce runoff volume:	providing stormwater quality was a primary concern for the site design
Will treatment evaluation include off-site, pass through flow (circle):	YES NO

Approvals

	8/25/2021	970-871-9494
Prepared By: (Insert drainage engineer name & firm)	Date	Phone number

Approved By:

Printed Name: City Engineer	Date