

CITY OF STEAMBOAT SPRINGS ENGINEERING STANDARDS

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:	West Acres Exemption Plan
Project location:	Lot 1 West Acres Ranch Subdivision Exemption
Developer name/contact info:	Bob Zibell, 785-845-3709
Drainage engineer name/contact info:	Matthew McLeod, PE 248-444-3268
Application Type:	Preliminary Plat
Proposed Land Use:	Subdividing lot for future developments
Project Site Parameters	
Total parcel area (acres):	134
Disturbed area (acres):	~3
Existing impervious area (acres, if applicable):	N/A
Proposed new impervious area (acres):	~1
Proposed total impervious area (acres):	~1
Proposed number of project outfalls:	Two, along the north side of Gloria Gossard on each (west and east) end of the project site.
Number of additional parking spaces:	0
Description and site percentage of existing cover/land use(s):	Site is currently vacant with a portion of Gloria Gossard Parkway construction along the front of the lot.
Description and site percentage of proposed cover/land use(s):	Gloria Gossard Parkway will be completed to the west property line adjacent to Overlook Park with new sidewalk installed along the north side. A new public street will be included within the proposed platted ROW through proposed Lot 1 & Lot 2, ending at the remainder parcel for future connection.
Expected maximum proposed conveyance gradient (%):	33-50% on proposed cut and fill slopes
Description of size (acres) and cover/land use(s) of offsite areas draining to the site	Nothing is expected.

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Type of Study Required:

- Drainage Letter
 Final Drainage Study
 Conceptual Drainage Study
 Stormwater Quality Plan



Hydrologic Evaluation:

- Rational Method
 CUHP/SWMM
 HEC-HMS
 Other _____

Project Drainage	
Number of subbasins to be evaluated:	~9, could increase as development progresses
Presence of pass through flow (circle): <small>Minor flow from adjacent site</small>	YES NO
Description of proposed stormwater conveyance on site:	Sheet flow, storm culvert system, curbs, valley pans and ditches will collect flow.
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:	There are two 30 inch culverts located near the middle of the site to the south which carry flow through Gloria Gossard road and eventually out to the Yampa River.
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:	mannings HW/D

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

- WQCV Standard
 TSS Standard
 Infiltration Standard
 Constrained Redevelopment WQCV Standard
 Constrained Redevelopment TSS Standard
 Constrained Redevelopment Infiltration Standard
 Does not Require Permanent Stormwater Treatment (attach Exclusion Tracking Form)

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Project Permanent Stormwater Treatment	
Justification of choice of proposed design standard, including how the site meets the constrained redevelopment standard, infiltration test results, etc.:	The site is currently vacant so all flow from the proposed public street will need to be treated.
Concept-level permanent stormwater treatment facility design details (type, location of facilities, proprietary structure selection, treatment train concept, etc.):	Water quality porous landscape detention pond will be designed as a part of the drainage study.
Proposed LID measures to reduce runoff volume:	Grass lined water quality swales, reveg
Will treatment evaluation include off-site, pass through flow (circle):	YES <input checked="" type="radio"/> NO

Approvals

Matthew McLeod, PE Four Points Engineering **3/21/2022** **248-444-3268**

Prepared By: Date Phone number
 (Insert drainage engineer name & firm)

Approved By:

Printed Name: Date
 City Engineer

