## 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 Information					
Project name:	KFMU Redevelopment					
Project location:	2955 Village Dr., Steamboat Springs, CO 80487					
Developer name/contact info:	Sunscope LLC, 1897 Hunters Dr, Steamboat Springs ,CO 80487 Attn: Sunny Partovi					
Drainage engineer name/contact info:	Ryan Spaustat, ryans@landmark-co.com, (970) 819-2742					
Application Type:	Development Plan					
Proposed Land Use:	Residential	Residential				
Project Site Parameter	s					
Total parcel area (acres):		1.29 acres (56,008 sq. ft.)				
Disturbed area (acres):		1.29 acres (56,008 sq. ft.)				
Existing impervious area (acres, if applicable):		0.43 acres (18,633 sq. ft.)				
Proposed new impervious area (acres):		0.28 acres (12,107 sq. ft.)				
Proposed total impervious area (acres):		0.71 (30,740 sq. ft.)				
Proposed number of project outfalls:		1				
Number of additional parking spaces:		0				
Description and site percentage of existing cover/land use(s):		5,591 sq. ft. building (10%) 13,042 sq. ft. asphalt pavement (23%) 37,375 sq. ft. grass & undeveloped lot (67%)				
Description and site percentage of proposed cover/land use(s): (Denotes TOTAL post-project land uses, including existing totals)		16,230 sq. ft. building (29%) 14,510 sq. ft. asphalt pavement (26%) 25,268 sq. ft. grass & undeveloped lot (45%)				
Expected maximum proposed conveyance gradient (%):		3%				
Description of size (acres) and cover/land use(s) of offsite areas draining to the site		N/A				

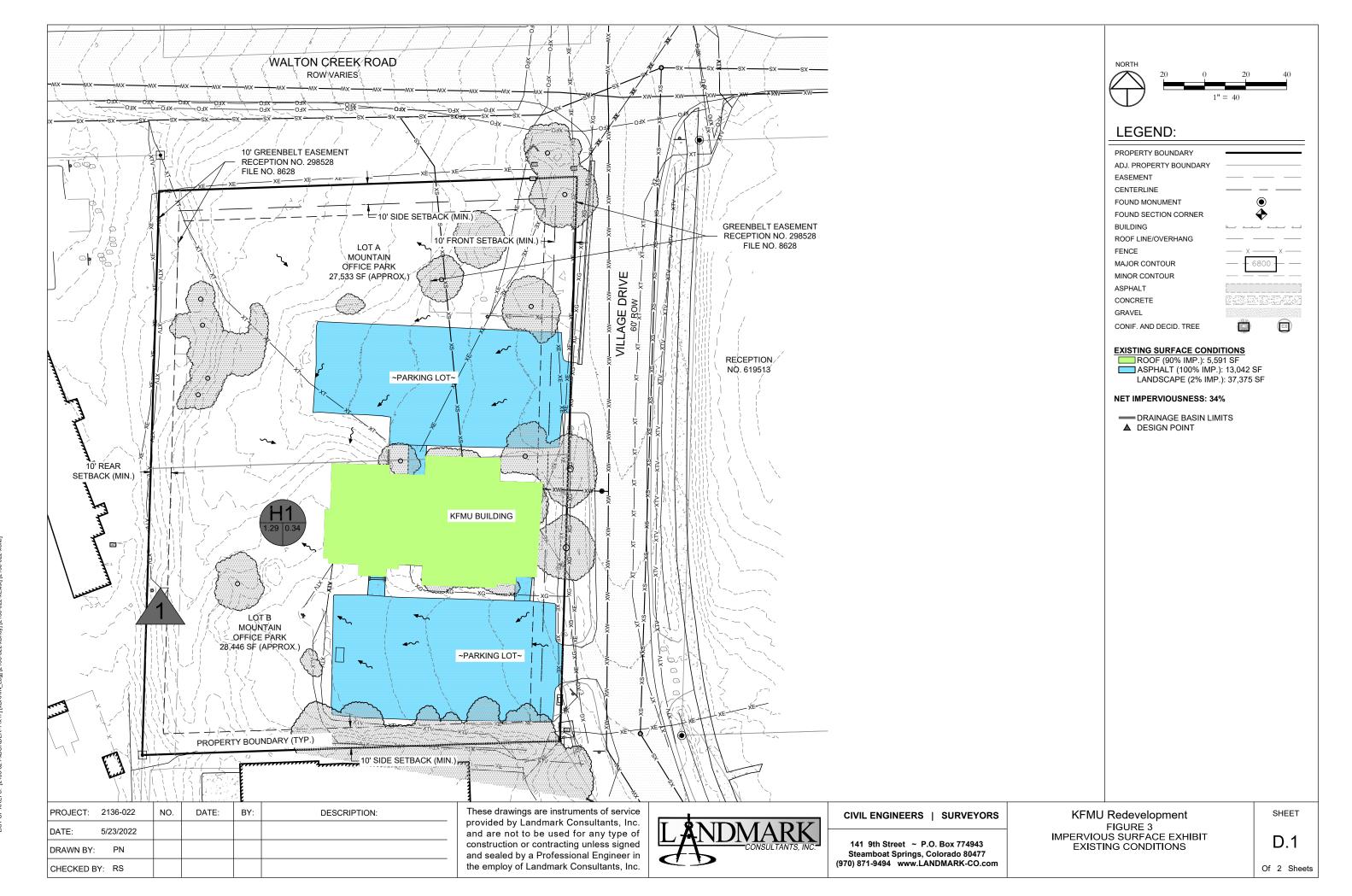
## CITY OF STEAMBOAT SPRINGS ENGINEERING STANDARDS

Type of Study Required:				
X Drainage Letter ☐ Final Drainage Study	<ul><li>☐ Conceptual Drainage Study</li><li>☒ Stormwater Quality Plan</li></ul>			
Hydrologic Evaluation:				
	☐ HEC-H	MS	Other	
Project Drainage				
Number of subbasins to be evaluated:	1			
Presence of pass through flow (circle):	YES	NO		
Description of proposed stormwater conveyance on site:	asphalt, and concr southwesterly dire bio-retention basin	ete surfaces ction and in . There is m	ws across grassed areas, bare ground, roof tops, s. Runoff generally flows across the site in a to grass swales which convey runoff into the on-site inimal conveyance infrastructure on-site, limited to ulverts (see <i>Proposed Drainage Conditions Exhibit</i> ).	
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:	directed into the e boundary and flow discharges into the the use of detention	xisting drain vs onto the a e Yampa Ri on, no down	ne site via the bio-retention basin outfall. Runoff is age way which crosses the western property diacent parcel. Runoff from the site ultimately ver. Due to the maintenance of historic flows through stream infrastructure is lacking capacity for the nts per Master Drainage Study (SEH, 2013).	
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:		•	ow Express extension and ry Sewer Analysis	
Permanent Stormwater Treatment Facility D standard per tributary basin):	esign Standa	rd (ched	k all that apply with only one	
WQCV Standard TSS Standard	☐ Infiltrat	ion Star	ndard	
Constrained Redevelopment WQCV Stand	dard			
Constrained Redevelopment TSS Standa	rd			
Constrained Redevelopment Infiltration S	Standard			
Does not Require Permanent Stormwater Treatment (attach Exclusion Tracking Form)				

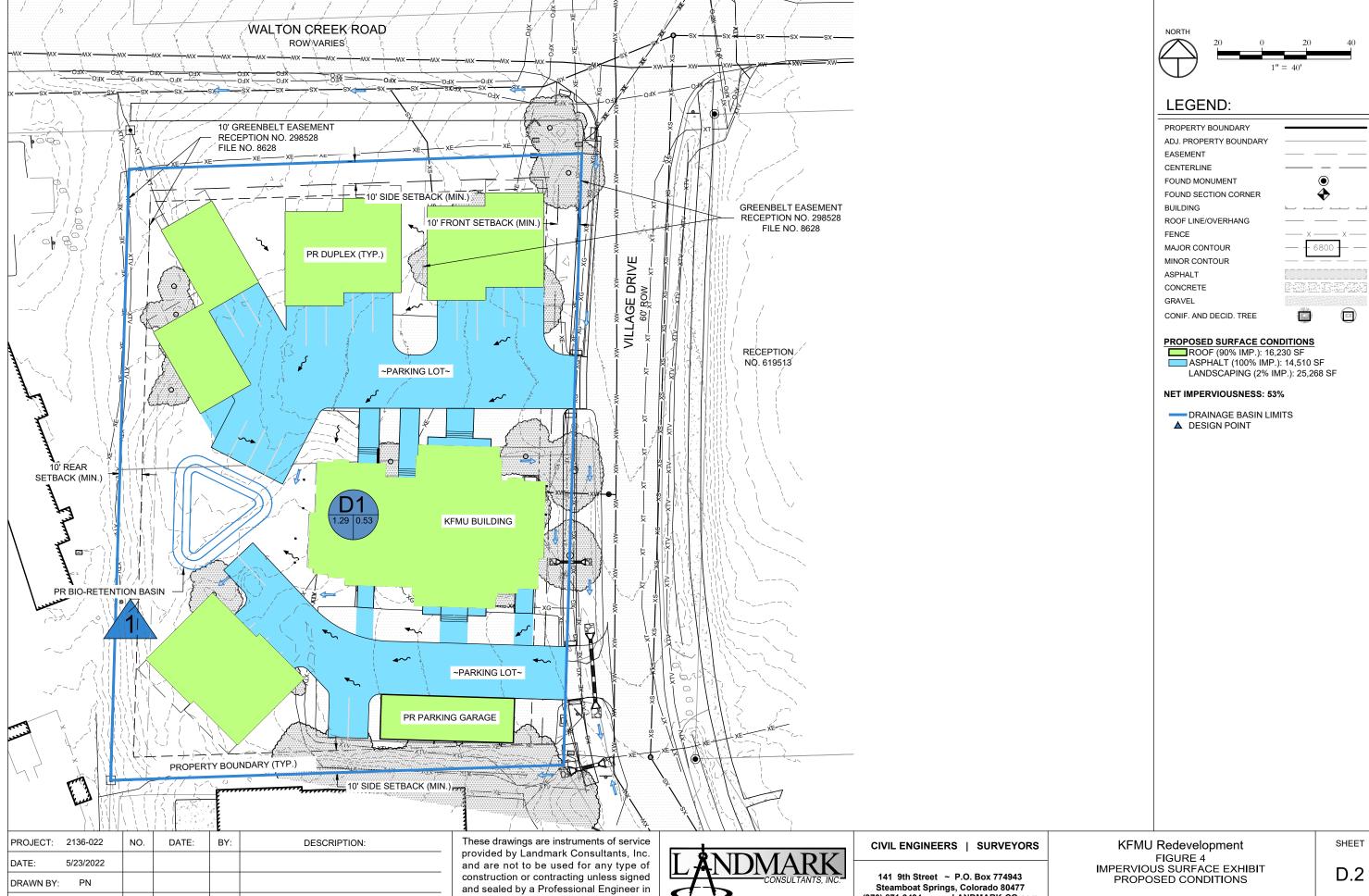
## CITY OF STEAMBOAT SPRINGS ENGINEERING STANDARDS

Project Permanent Stormwater Treatment					
Justification of choice of proposed design standard, including how the site meets the constrained redevelopment standard, infiltration test results, etc.:	Proposed improvements require detention to maintain historic discharge rates and water quality treatment due to the increased impervious surface area.				
Concept-level permanent stormwater treatment facility design details (type, location of facilities, proprietary structure selection, treatment train concept, etc.):	One bio-retention basin will treat the WQCV and also provide adequate detention for the 5-year and 100-year storms.				
Proposed LID measures to reduce runoff volume:	Grassed Swale (GS) & Bio-retention Basin (RG)				
Will treatment evaluation include off-site, pass through flow (circle):	YES NO				

Approvals		
Ryan Spaustat	5/23/2021	(970) 819-2742
Prepared By: (Insert drainage engineer name &	Date firm)	Phone number
Approved By:		
Printed Name:	Date	



CHECKED BY: RS



the employ of Landmark Consultants, Inc.

(970) 871-9494 www.LANDMARK-CO.com

Of 2 Sheets