



FUTURE FISHERIES IMPROVEMENT PROGRAM GRANT APPLICATION

All sections must be addressed, or the application will be considered invalid



I. APPLICANT INFORMATION

A. Applicant Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

B. Contact Person (if different than applicant): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

C. Landowner and/or Lessee Name (if different than applicant): _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

II. PROJECT INFORMATION

A. Project Name: _____

River, stream, or lake: _____

Location: Township: _____ Range: _____ Section: _____

Latitude: _____ Longitude: _____ *Within project (decimal degrees)*

County: _____

B. Purpose of Project: *(high level, focus on why the project is important)*

- C. Brief Project Description (attach additional information to end of application). Please include the anticipated construction schedule:

- D. What was the cause of habitat degradation and how will the project correct the cause?

E. Length of stream or size of lake that will be treated (project extent): _____
 Length/size of impact, if larger than project extent (e.g., stream miles opened): _____

F. Project Budget Summary:

Grant Request (Dollars): \$ _____

Matching Dollars: \$ _____

Matching In-Kind Services:* \$ _____

**salaries of government employees are not considered matching contributions*

Other Contributions (not used as match) \$ _____

Total Project Cost: \$ _____

G. Attach itemized (line item) budget – see *budget template*

H. Attach project location map(s) that include:

Extent of the project, including context (relation to major landmark or town)

Indication of public and private property

Riparian buffer locations and widths (if applicable) and grazing locations

I. Attach project plans:

Detailed sketches or plan views with the location and proposed restoration

Pre-project photographs (GPS location strongly recommended)

If water leasing or water salvage is involved, attach a supplemental questionnaire (<https://myfwp.mt.gov/getRepositoryFile?objectID=36110>)

J. Attach support letters or statements of (e.g., landowner consent, community or public support). For FWP statement, attach provided template. List any other project partners:

III. MAINTENANCE AND MONITORING (attach additional information to end of application):

A. A 20-year maintenance commitment is required*. Please confirm that you will ensure this protection and describe your approach. Attach any relevant maintenance plans. Yes No

**If it is a water leasing project, describe the length of the agreement.*

B. Will grazing be part of or adjacent to the project? If so, describe or attach land management plans, including short term and long term grazing regimes. If the landowner is not the applicant, please describe their involvement in the project. *If you want assistance with grazing plan development, note your need.*

- C. Will the project be monitored to determine if goals were met? If so, what are the short-term and long-term plans to assess benefits and lessons learned? Were pre-project data collected? Will monitoring information be shared with FWP?

IV. PROJECT BENEFITS (attach additional information to end of application):

- A. What species of fish will benefit from this project?

- B. How will the project protect or enhance wild fish habitat?

- C. What is the expected improvement to fish populations, both short term and long term? How might the project translate to angler success?

D. Will the project increase public fishing opportunity for wild fish and, if so, how? Is public fishing allowed onsite? Is it allowed by permission? If not, describe how the public would benefit.

E. Aside from angling, what local or large-scale public benefits will be realized from this project?

F. Will the project interfere with water or property rights of adjacent landowners? (explain):

G. Will the project result in the development of commercial recreational use on the site (including paid access)? Explain:

H. Is this project associated with the reclamation of past mining activity?

Each approved project applicant must enter into a written agreement with Montana Fish, Wildlife & Parks specifying terms and duration of the project. The applicant must obtain all applicable permits prior to project construction. A competitive bid process must be followed when using State funds.

V. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature: Emily O'Connor Date: _____

Submittal: Applications must be signed and received on or before November 15 and May 15 to be considered for the subsequent funding period. Late or incomplete applications will be rejected.

<p>Mail to: FWP Future Fisheries Fish Habitat Bureau PO Box 200701 Helena, MT 59620-0701</p>	<p>Email: Future Fisheries Coordinator FWPFFIP@mt.gov (electronic submissions must be signed) For files over 10MB, use https://transfer.mt.gov and send to bailey.duxbury@mt.gov</p>
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Project Description (Additional Information)

We recently completed a similar restoration project along the Upper Gallatin River known as the Park Boundary to Covered Wagon Project, extending from the Yellowstone National Park boundary to just north of Taylor Fork Creek (see photo below). Because the Buffalo Horn Creek to Six Shooter project includes similar restoration and recreation management treatments, we anticipate a comparable construction approach and timeline.



Photo: This image highlights one of the restoration sites from the Park Boundary to Covered Wagon Project after the initial construction phase which began in October 2025. During 2026, project work will continue with paving the asphalt highway approaches and additional revegetation efforts.

The previous project began in fall 2025 with site grading, development of designated parking areas, installation of drainage swales, access controls, and reseeded. Final infrastructure improvements were completed in spring 2026, including paving highway approaches required through coordination with the Montana Department of Transportation to ensure safe vehicle access from Highway 191. Ongoing maintenance at those sites includes supplemental revegetation in compacted areas and continued site stewardship.

Prior to restoration, these sites were characterized by dispersed vehicle access, informal parking areas, braided user-created trails, vegetation loss, and streambank erosion resulting from unmanaged recreation. **Pre-project photos for the Buffalo Horn Creek to Six Shooter Project, as required by FWP, are included in the attached Permit Design.**



Photo: These conditions are representative of the types of impacts being addressed.



Photos: Before and after restoration at the Upper Deer Creek restoration site.

We anticipate a similar phased schedule for this project, which includes restoration treatments across five priority recreation sites along approximately four miles of the Upper Gallatin River corridor. Direct restoration activities will occur across approximately six acres of riparian and streambank habitat.

Anticipated Construction Schedule

- June–August 2026: Permitting and pre-construction activities
- September 2026–June 2027: Site construction, access improvements, and habitat restoration
- July–September 2027: Volunteer maintenance and supplemental revegetation
- 2028–2030: Short-term maintenance and monitoring (Gallatin River Task Force in coordination with Forest Service)
- 2031 and ongoing: Long-term maintenance and monitoring (Forest Service)

Upon completion, the project will restore and protect riparian habitat, stabilize streambanks, improve sustainable public access, and reduce ongoing recreation-related impacts while supporting the long-term ecological health of the Gallatin River corridor.



Photo: Rendering of proposed restoration design showing designated parking, boulder barriers, drainage swales, and revegetation strategies to restore riparian function while providing sustainable public river access.

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS
011-2026_Gallatin River Restoration

Both tables MUST be completed appropriately or the application will be invalid. Please see the example budget sheet for clarification.

PROJECT COSTS					GRANT REQUEST AND FUNDING			
Work Items (Itemize by Category)	Number of Units	Unit Description*	Cost/Unit	Total Cost	FUTURE FISHERIES REQUEST	Matching Contributions (Cash or In-Kind)**	Other Contributions (Funds not used as match)	Total Funding
<i>*Units = feet, hours, cubic yards, etc. Do not use lump sum unless necessary.</i>								
Personnel								
Project Engineer 2 (Design, Engineering)	10	hrs	\$192.00	\$ 1,920.00		\$ 1,920.00		\$ 1,920.00
Project Engineer 1 (Design, Engineering)	185	hrs	\$180.00	\$ 33,300.00		\$ 33,300.00		\$ 33,300.00
Water Resource Specialist 1 (Design, Permitting, Oversight)	260	hrs	\$170.00	\$ 44,200.00		\$ 44,200.00		\$ 44,200.00
Project Manager (Stakeholder Coordination, Oversight)	120	hrs	\$65.00	\$ 7,800.00		\$ 7,800.00		\$ 7,800.00
Maintenance**				\$ -				\$ -
			Sub-Total	\$ 87,220.00	\$ -	\$ 87,220.00	\$ -	\$ 87,220.00
Travel								
Mileage				\$ -				\$ -
Per diem				\$ -				\$ -
			Sub-Total	\$ -		\$ -		\$ -
Construction Materials								
Approach asphalt	980	square yard	\$64.50	\$ 63,210.00	\$ 15,802.50	\$ 47,407.50		\$ 63,210.00
Approach gravel	245	cubic yard	\$45.00	\$ 11,025.00	\$ 2,756.25	\$ 8,268.75		\$ 11,025.00
Parking area gravel 3/4" minus	162	cubic yard	\$45.00	\$ 7,290.00	\$ 1,822.50	\$ 5,467.50		\$ 7,290.00
Parking area gravel 3" minus	324	cubic yard	\$43.50	\$ 14,094.00	\$ 3,523.50	\$ 10,570.50		\$ 14,094.00
2-4' diameter boulders	220	per boulder	\$53.50	\$ 11,770.00	\$ 2,942.50	\$ 8,827.50		\$ 11,770.00
6' concrete pin down curbs	15	per unit	\$395.00	\$ 5,925.00	\$ 1,481.25	\$ 4,443.75		\$ 5,925.00
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 113,314.00	\$ 28,328.50	\$ 84,985.50	\$ -	\$ 113,314.00
Equipment, Labor, and Mobilization								
Parking area (excavator, roiller, skid steer)	15,000	square feet	\$2.50	\$ 37,500.00	\$ 9,375.00	\$ 28,125.00		\$ 37,500.00
Cut (excavator, dump truck)	455	cubic yard	\$2.25	\$ 1,023.75	\$ 255.94	\$ 767.81		\$ 1,023.75
Fill (excavator, dump truck)	791	cubic yard	\$3.80	\$ 3,005.80	\$ 751.45	\$ 2,254.35		\$ 3,005.80
Passive Revegetation (seed spreader)	2,300	square feet	\$0.35	\$ 805.00	\$ 201.25	\$ 603.75		\$ 805.00
Active Revegetation (excavator, racking, spreading)	26,000	square feet	\$0.45	\$ 11,700.00	\$ 2,925.00	\$ 8,775.00		\$ 11,700.00
Boulder basin (excavator)	5	per basin	\$2,850.00	\$ 14,250.00	\$ 3,562.50	\$ 10,687.50		\$ 14,250.00
Traffic Control	1	subcontract (lump sum)	\$19,250.00	\$ 19,250.00	\$ 4,812.50	\$ 14,437.50		\$ 19,250.00
Mobilization	1	8% of materials & labor	\$ 16,067.84	\$ 16,067.84	\$ 4,016.96	\$ 12,050.88		\$ 16,067.84
Construction Contingency	1	10% of materials & labor		\$ 20,084.85		\$ 20,084.85		\$ 20,084.85
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 123,687.24	\$ 25,900.60	\$ 97,786.64	\$ -	\$ 123,687.24
OVERALL TOTALS				\$ 324,221.24	\$ 54,229.10	\$ 269,992.14	\$ -	\$ 324,221.24

OTHER REQUIREMENTS:

**For projects that include a maintenance request, it cannot exceed 10% of the total project cost.

***Match can include in-kind materials or labor. Justification for in-kind labor (e.g. hourly rates used) can be noted below. Do not use government salaries as match.

Additional budget detail:

APPLICATION MATCHING CONTRIBUTIONS

Total should equal match listed above; do not include requested funds

CONTRIBUTOR	IN-KIND	CASH	TOTAL	Secured? (Y/N)
Bureau of Reclamation (For Planning & Design)	\$ -	\$ 45,000.00	\$ 45,000.00	Y
Gallatin River Task Force Donations (For Planning, Design, Construction)	\$ -	\$ 39,994.14	\$ 39,994.14	Y
Gallatin County Open Lands (For Construction)	\$ -	\$ 50,000.00	\$ 50,000.00	Y
Spanish Peaks Community Foundation (For Construction)	\$ -	\$ 120,000.00	\$ 120,000.00	Y
Cinnabar Foundation (application submitted)	\$ -	\$ 15,000.00	\$ 15,000.00	N
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
TOTALS	\$ -	\$ 269,994.14	\$ 269,994.14	

OTHER CONTRIBUTIONS

Total should equal other contributions listed above; these are funds not specically matched to the Future Fisheries application

CONTRIBUTOR	IN-KIND	CASH	TOTAL	Secured? (Y/N)
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
TOTALS	\$ -	\$ -	\$ -	

MONTANA FISH, WILDLIFE & PARKS

Future Fisheries Improvement Program

Appendix: FWP Statement

Project Title: Gallatin River - Buffalo Horn Creek to Six Shooter Restoration

Please describe the potential impact of the project, including the priorities of the Fisheries Division and the importance to Montana's anglers.

Dear Future Fisheries Review Panel Members,

This project is part of a broader, multi-phase effort to restore and protect riparian habitat along a heavily used corridor within the Custer Gallatin National Forest. The proposed work focuses on restoring degraded streamside areas (two-track trails and unauthorized parking areas) through native vegetation plantings, bank stabilization, and improved recreation management.

Based on the past four years of angler pressure surveys, this section of the Gallatin River has been ranked top 10 for statewide, summer angling pressure with over 40,000 angler days from May through September (League and Caball 2019 - 2023). This section is also popular among non-anglers who recreate along the Gallatin River. High recreational pressure, and the presence of unauthorized parking areas and access trails create increasingly degraded locations where vegetation disturbance, exposed fine sediment, and bank erosion are common.

The project aligns closely with Future Fisheries priorities by restoring and protecting riparian function, reducing sediment inputs from eroding banks, and improving habitat conditions for wild fish populations. It directly addresses chronic bank erosion and riparian degradation driven by unmanaged recreation. Establishing vegetated buffers, stabilizing banks, and creating designated access points and parking will reduce ongoing impacts while maintaining sustainable public use. This work will provide ecological benefits while balancing habitat protection with recreation.

Name of FWP Biologist Keith Wellstone Date: 05/06/2026

Please attach to the FFIP application and materials and submit according to listed deadlines.



Forest
Service

Custer Gallatin National Forest

Bozeman Ranger District
3710 Fallon St., Suite C
Bozeman, MT 59718
406-522-2520

File Code: 2320/2530

Date: May 15, 2026

RE: Gallatin River Task Force Spring 2026 Future Fisheries Grant Application

Dear Future Fisheries Review Panel,

I am writing on behalf of the Custer Gallatin National Forest to express strong support for the Gallatin River Task Force's application for funding to support the next phase of Gallatin River Restoration.

Gallatin County continues to experience rapid growth, with increasing visitation to the Gallatin River corridor driven in part by the popularity of Yellowstone National Park. This growth has led to significant recreation pressure, resulting in congestion at river access sites and impacts to surrounding natural resources.

Since 2015, the Task Force has partnered with the Forest Service to improve and restore river access along the corridor. Together, we have completed projects at Moose Creek, Upper Deer Creek, Greek Creek, and developed the Gallatin River Restoration Strategy to guide and prioritize future work. Most recently, we are finalizing construction of five river access sites between the Yellowstone National Park Boundary and Taylor Fork.

This funding will support the next phase of implementation, focused on improving five additional river access sites starting at Buffalo Horn Creek and continuing downstream. These projects will enhance public access and benefit wild fish populations by improving riparian habitat and water quality.

Our partnership is formalized through an annually updated Cost-Share Agreement, with both the Forest Service and Task Force contributing staff capacity, technical expertise, and funding toward project design and implementation. This collaboration has proven highly effective in delivering on-the-ground results.

A mix of state, federal, county, and philanthropic funding has been instrumental in advancing this work. Diverse funding support will be critical to completing the full Restoration Strategy and securing a legacy of improved river access and restored habitat for the entire Upper Gallatin River corridor.

I strongly urge you to support this request. Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink that reads 'Jon Gellings'.

for

Jon Gellings,
District Ranger



GALLATIN RIVER RESTORATION: BUFFALO HORN CREEK TO SIX SHOOTER BIG SKY, MONTANA



WGM GROUP
WWW.WGMGROUP.COM

PERMIT SET

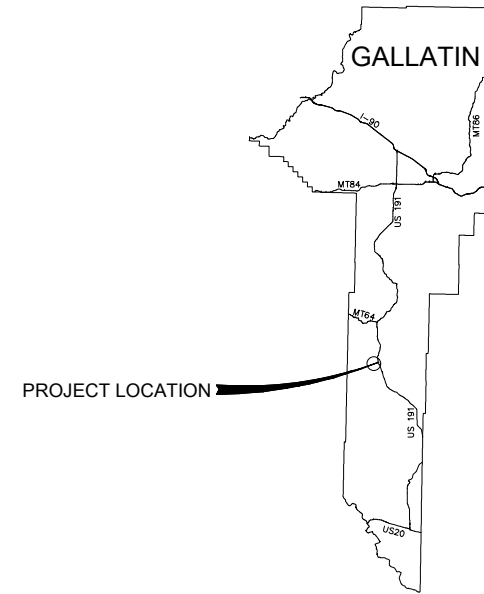
PLOTTED: 4/1/26
SAVED: 4/1/26

COVER SHEET
GALLATIN RIVER RESTORATION: SITES 6-10
BIG SKY, MONTANA



PROJECT AREA OVERVIEW

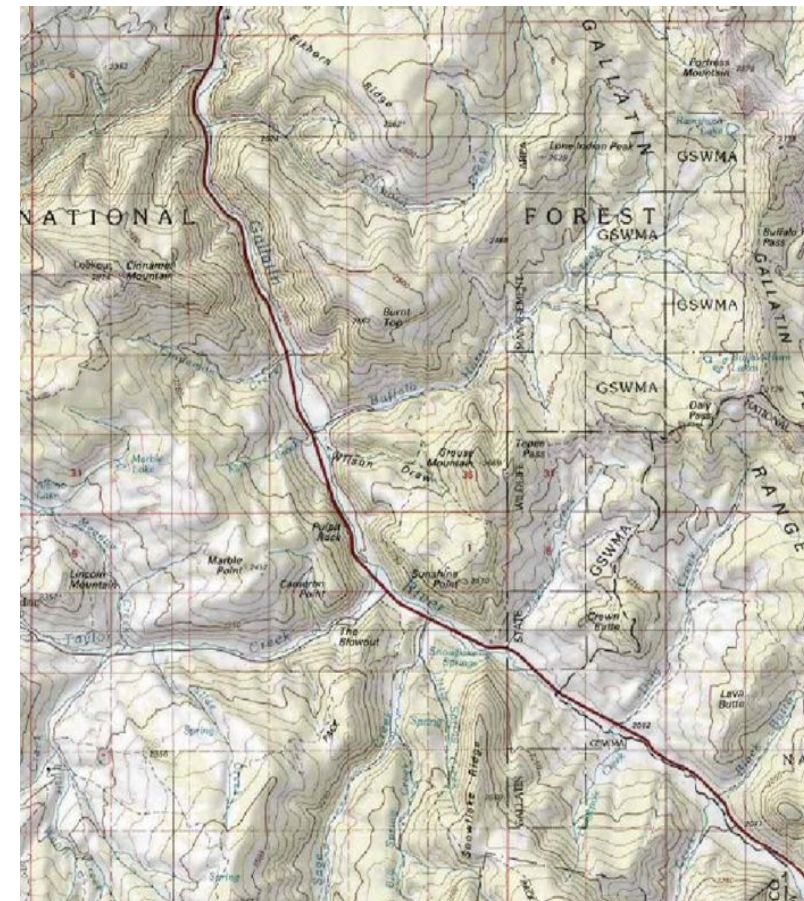
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PERMIT SET

LOCATION MAP

NOT TO SCALE



USGS VICINITY MAP

NOT TO SCALE

APPROVED:

DISTRICT RANGER _____

DATE _____

SHEET INDEX

SHEET	DESCRIPTION
CV1	COVER SHEET
CV2	GENERAL NOTES
GP06	BUFFALO HORN CREEK (SITE 6, MM35-2/FS35.2)
GP07	UPPER CINNAMON CREEK (SITE 7, MM36-1/FS36.6)
GP08	LOWER CINNAMON CREEK (SITE 8, MM37-1/FS37.7)
GP09	PACK SADDLE (SITE 9, MM38-1/FS38.3)
GP10	SIX SHOOTER (SITE 10, MM39-2)
DT01	CIVIL DETAILS

PROJECT PERSONNEL:

PROJECT MANAGER: JEFF DUNN
PROJECT ENGINEER: EMMA RAESIDE, PE



Know what's below.
Call before you dig.

CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

WGM DRONE, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL). THE EXISTING UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

PREPARED FOR:



APRIL 2026

WGM PROJECT 210621.23

REVISIONS:

NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET **CV1**



WGM GROUP
WWW.WGMGROUP.COM

PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

GENERAL NOTES
GALLATIN RIVER RESTORATION: SITES 6-10
BIG SKY, MONTANA

- 1) CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK. CALL 811 (OR ONE CALL UTILITY LOCATE: 1-800-424-5555) A MINIMUM OF 72-HOURS BEFORE WORK IS PLANNED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND PROPERLY REPAIRING ANY AND ALL DAMAGED UTILITIES.
- 2) ANY UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ALL UTILITY LOCATIONS ARE SUBJECT TO THE ACCURACY OF THE LOCATION METHOD AND SUBJECT TO RELOCATION FROM THE TIME THAT THESE DRAWINGS WERE PREPARED.
- 3) THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF ALL PERSONNEL, ALL SITE VISITORS, AND THE GENERAL PUBLIC WHO MAY BE AFFECTED BY THE CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO GENERAL AND CHANNEL EXCAVATION, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 5) CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS FOUND BETWEEN THE CONSTRUCTION PLANS AND CONDITIONS ENCOUNTERED IN THE FIELD.
- 6) CONTRACTOR SHALL, UNLESS OTHERWISE DIRECTED, REPLACE ALL SIGNS, FENCES, CABLES, APPROACH DELINEATORS, OR OTHER FEATURES THAT MAY BE REMOVED TO ACCESS THE CONSTRUCTION AREA. CONTRACTOR SHALL VERIFY THE NATURE AND EXTENT OF ANY OF THESE FEATURES PRIOR TO BIDDING THE WORK. COST OF THIS WORK SHALL BE INCIDENTAL TO THE PROJECT UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS.
- 7) CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AND RESTRICTIONS FOUND IN REGULATORY PERMITS OBTAINED BY THE ENGINEER.
- 8) LEGAL LOAD LIMIT REQUIREMENTS SHALL BE ADHERED TO ON ALL STATE HIGHWAYS, COUNTY ROADS, AND CITY STREETS.
- 9) THE CONTRACTOR IS TO PROVIDE HIS OWN WATER FOR COMPACTION AND DUST ABATEMENT.
- 10) CONSTRUCTION SHALL COMPLY WITH THESE PLANS IN ADDITION TO THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 11) ALL EQUIPMENT USED ONSITE WILL BE CLEAN, WASHED PRIOR TO ARRIVAL TO THE PROJECT AREAS.
- 12) EMERGENCY SPILL KITS WILL BE MAINTAINED ON EACH PIECE OF EQUIPMENT, OR IN AREAS THAT CAN RAPIDLY BE REACHED.
- 13) STRUCTURAL BMPS, SUCH AS SILT FENCE, STRAW BALES OR WATTLES MAY BE USED TO ISOLATE CONSTRUCTION ALONG THE ACTIVE CHANNEL AS NECESSARY.
- 14) ALL EXPOSED SOILS WILL BE STABILIZED ONCE CONSTRUCTION IS COMPLETED; SOILS WILL BE STABILIZED USING VARIOUS TECHNIQUES AS DESCRIBED IN THIS PLAN INCLUDING SEEDING AND PLANTING.

- 15) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAVING AND PROTECTING ALL EXISTING TREES AND VEGETATION WHERE REMOVAL FOR CONSTRUCTION IS NOT MANDATORY.
- 16) IF WOUNDING OF SAVED TREES OCCUR, A NON-TOXIC WOUND DRESSING MUST BE APPLIED IMMEDIATELY. EXCAVATORS MUST HAVE A NON-TOXIC TREE WOUND DRESSING WITH THEM ON CONSTRUCTION SITES.
- 17) ALL EXCAVATED MATERIAL FROM WILL BE PLACED IN AN AREA APPROVED BY THE ENGINEER.
- 18) ALL REMOVED ITEMS SHALL BECOME THE CONTRACTOR'S PROPERTY TO BE DISPOSED OF IN AN APPROVED MANNER IN ACCORDANCE WITH REGULATION AT NO ADDITIONAL EXPENSE TO THE OWNER, UNLESS SPECIFIED WITHIN THE PLANS. NO CONCRETE, RUBBLE, OR EXTRA MATERIALS SHALL BE BACKFILLED ON SITE.
- 19) MATERIAL STOCKPILE AREAS, ACCESS ROUTES, AND EQUIPMENT STORAGE AREAS WILL BE IDENTIFIED PRIOR TO THE ARRIVAL OF CONTRACTOR HEAVY EQUIPMENT.
- 20) MATERIALS STORED ON THE SITE WHICH MIGHT CONTRIBUTE POLLUTANTS TO RUNOFF SHALL BE LOCATED IN AN ENCLOSED, COVERED, AND LOCKABLE CONTAINER. THESE MATERIALS ARE EXPECTED TO CONSIST MAINLY OF FERTILIZERS, FUELS, AND MACHINERY LUBRICANTS.
- 21) ALL EXISTING AND PROPOSED CONTOURS ARE LABELED IN FEET AND REFERENCE THE 1988 VERTICAL DATUM. ALL SLOPES ARE SHOWN AS DIAGRAMMATIC AND SHALL BE ROUNDED AT THE TOP AND BOTTOM.
- 22) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF THE PROJECT SITE AND SURROUNDING AREAS ON A DAILY BASIS OF ANY TRASH OR MUD AS A RESULT OF CONSTRUCTION.
- 23) THE CONTRACTOR SHALL RESTORE ALL STAGING AND STOCKPILING AREAS TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THE PROJECT. THE COST TO RESTORE THESE AREAS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- 24) THE CONTRACTOR SHALL MAINTAIN ALL HAUL ROUTES AND RESTORE THEM TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF USE AT NO EXPENSE TO THE OWNER.
- 25) ALL PAVED HAUL ROUTES SHALL BE MAINTAINED FREE OF MUD AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
- 26) CONTRACTOR IS RESPONSIBLE FOR REPAIRING/REPLACING ALL DAMAGED INFRASTRUCTURE.
- 27) THE CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM ENGINEER. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- 28) ALL ESTIMATES OF QUANTITIES SHALL BE VERIFIED BY THE CONTRACTOR/SUBCONTRACTOR, WHO SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES AND PROVIDING THE WORK AND MATERIALS AS SHOWN ON THE PLANS.

QUANTITIES SUMMARY - BUFFALO HORN CREEK TO SIX SHOOTER

COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	898
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	225
PARKING AREA (SQFT)	13,596
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	136
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	272
TOTAL CUT (CY)	399
TOTAL FILL(CY)	755
NET FILL (CY)	442
REVEGETATION - PASSIVE (SQFT)	2,559
REVEGETATION - ACTIVE (SQFT)	24,899
2'-4' DIAMETER BORDERING BOULDERS (EA)	207
6' CONCRETE PINDOWN CURBS (EA)	15

REVEGETATION SEED MIX SUMMARY

Common Name	lbs PLS/Acre*	SEEDS/LB	SEEDS/SQ FT	PERCENT SEEDS**	% OF MIX
GARNET MOUNTAIN BROME	10	80,000	18.4	17%	25
CRITANA THICKSPIKE WHEATGRASS	7	152,000	24.4	23%	25
SHERMAN BIG BLUEGRASS	2	882,000	40.5	38%	25
PRYOR SLENDER WHEATGRASS	2.8	140,000	9.0	9%	10
ANATONE/GOLDAR BLUEBUNCH WHEATGRASS	4.2	139,000	13.4	13%	15
TOTALS	26		106	100%	100%

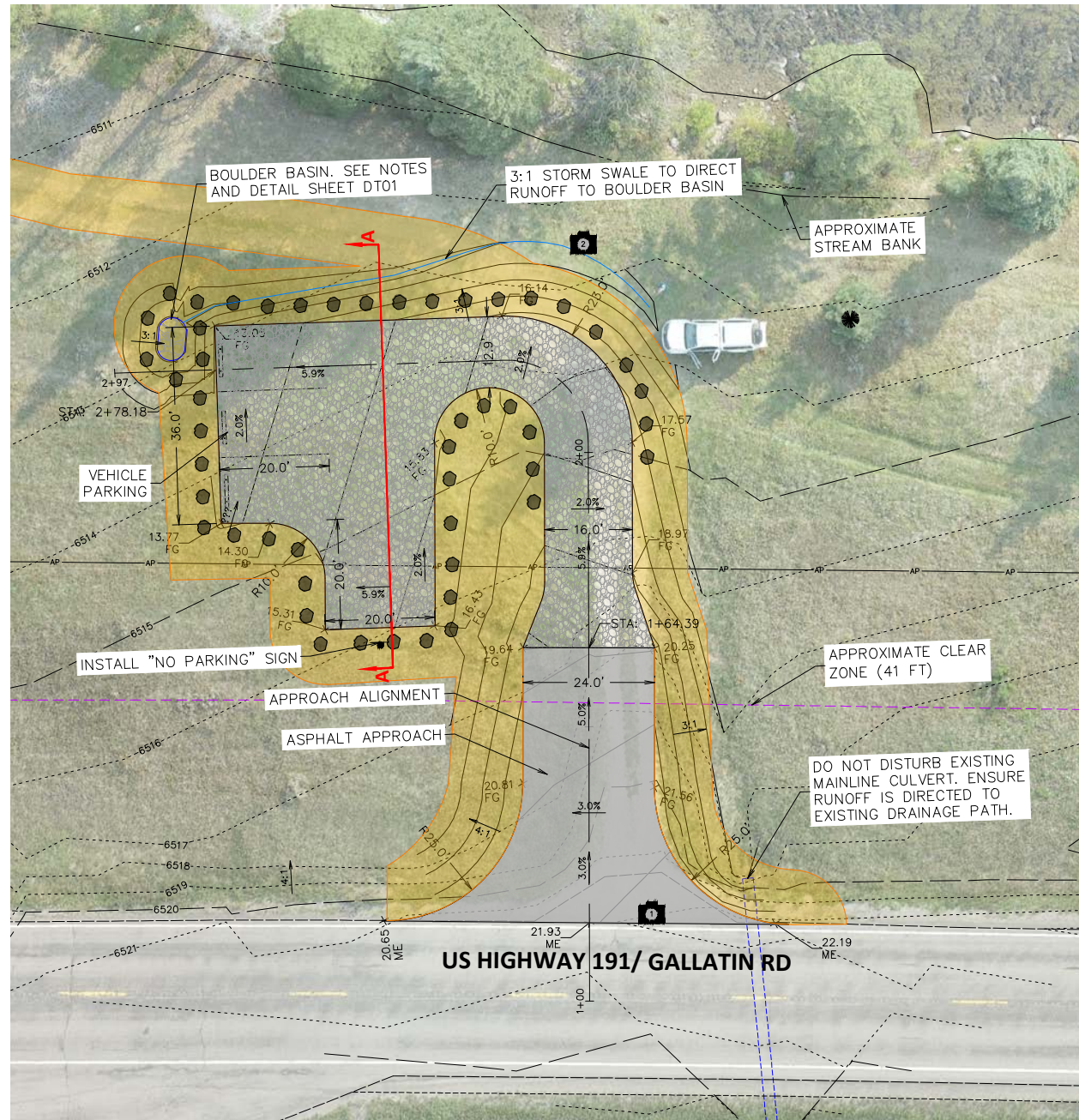
* BASED ON A BROADCAST SEEDING RATE OF 23.0 LBS PLS/ACRE
** PERCENT SEEDS IS THE DESIRED PROPORTION REPRESENTATION OF EACH SPECIES FOR THE SITE

REVISIONS:
NO. DESCRIPTION DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET
CV2



LEGEND-GRADING

- MAJOR CONTOUR (PROPOSED)
- MINOR CONTOUR (PROPOSED)
- MAJOR CONTOUR (EXISTING)
- MINOR CONTOUR (EXISTING)
- X 58.50 PROPOSED FINISH GRADE (+6500)
- 1.4% PROPOSED SLOPE
- ME MATCH EXISTING
- FG FINISH GRADE
- EDGE OF ASPHALT
- REVEGETATION - ACTIVE
- REVEGETATION - PASSIVE
- EDGE OF GRAVEL
- BORDERING BOULDER
- CONCRETE BUMPER
- STORM SWALE

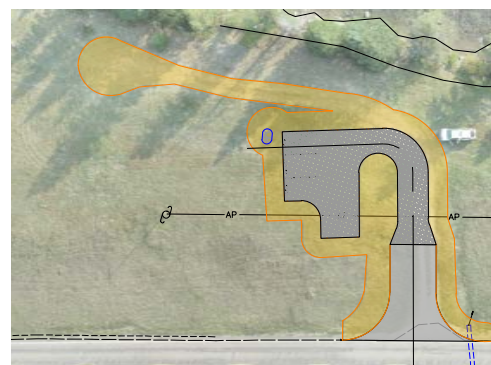
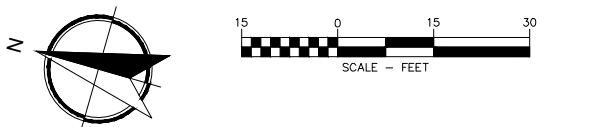
GENERAL CONSTRUCTION NOTES:

- 1) REVEGETATE ALL DISTURBED AREAS WITH SEED MIX PROVIDED BY USFS.
- 2) BORDERING BOULDERS SHALL BE FIELD FIT BY CONTRACTOR WITH GUIDANCE OF THE ENGINEER. BOULDERS SHALL BE PLACE AROUND PARKING AREA IN 6' ON CENTER INTERVALS AND SHALL NOT ENCR OACH WITHIN THE CLEAR ZONE.
- 3) APPROACH SHALL BE PAVED FOR FIRST 50' AS HATCHED IN THE PLANS. TRANSITION FROM PAVEMENT TO SURFACE AGGREGATE MUST BE SMOOTH.
- 4) BORROW MATERIAL SOURCE TO BE APPROVED BY USFS.

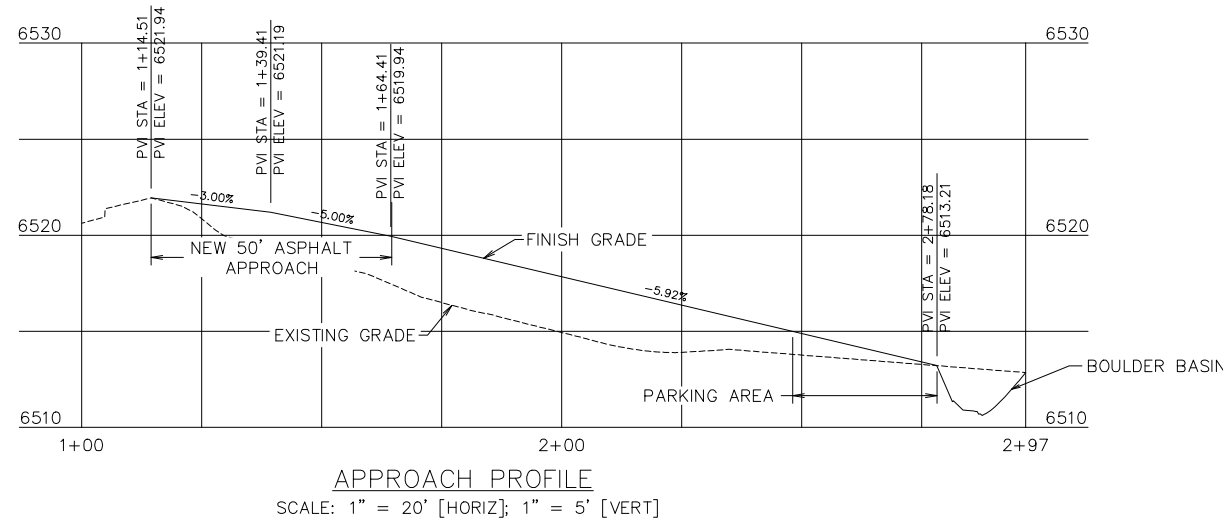
GEOGRAPHICAL LOCATION:

LATITUDE: -111.21444
LONGITUDE: 45.093089

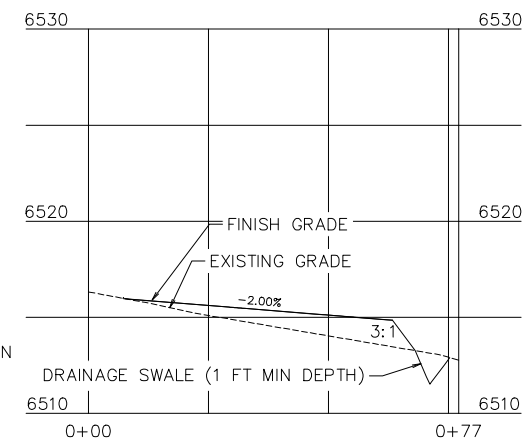
COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	180
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	45
PARKING AREA (SQFT)	3,046
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	31
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	62
CUT (CY)	73
FILL (CY)	304
NET FILL (CY)	232
REVEGETATION - PASSIVE (SQFT)	0
REVEGETATION - ACTIVE (SQFT)	7,005
2'-4" DIAMETER BORDERING BOULDERS (EA)	49
6' CONCRETE PINDOWN CURBS (EA)	3



REVEGETATION OVERVIEW
SCALE 1"=50'



APPROACH PROFILE
SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



SECTION A-A
SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

BUFFALO HORN CREEK (SITE 6, MM35-2/FS35.2)

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

REVISIONS:

NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP06
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

GP06



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PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

UPPER CINNAMON CREEK (SITE 7, MM36-1/FS36.6)

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

REVISIONS:		
NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET

GP07

FILE: W:\Projects\210621\CAD Data\Design_V22_Task_4 - Heberon Parking\210621PA07_GP.dwg

GENERAL CONSTRUCTION NOTES:

- 1) REVEGETATE ALL DISTURBED AREAS WITH SEED MIX PROVIDED BY USFS, SEE DETAIL SHEET.
- 2) BORDERING BOULDERS SHALL BE FIELD FIT BY CONTRACTOR WITH GUIDANCE OF THE ENGINEER. BOULDER SHALL BE PLACE AROUND PARKING AREA AND BOULDER BASIN IN 6' ON CENTER INTERVALS AND SHALL NOT ENCR OACH WITHIN THE CLEAR ZONE.
- 3) APPROACH SHALL BE PAVED FOR FIRST 50' AS HATCHED IN THE PLANS. TRANSITION FROM PAVEMENT TO SURFACE AGGREGATE MUST BE SMOOTH.
- 4) BORROW SOURCE MATERIAL TO BE APPROVED BY USFS.

GEOGRAPHICAL LOCATION:

LATITUDE: -111.22413
LONGITUDE: 45.112226



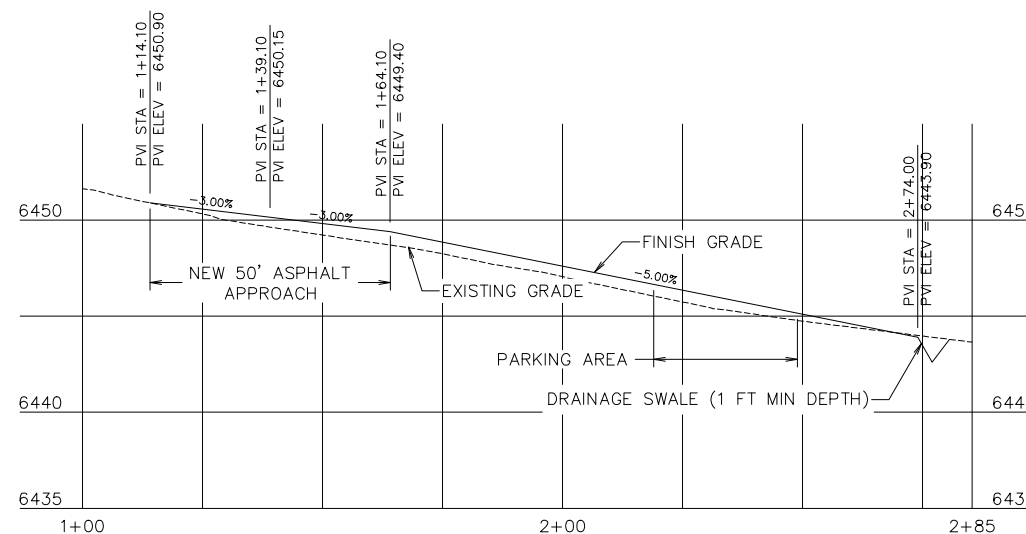
LEGEND-GRADING

- MAJOR CONTOUR (PROPOSED)
- MINOR CONTOUR (PROPOSED)
- MAJOR CONTOUR (EXISTING)
- MINOR CONTOUR (EXISTING)
- X 58.50 PROPOSED FINISH GRADE (+6400)
- 1.4% PROPOSED SLOPE
- ME MATCH EXISTING
- FG FINISH GRADE
- EDGE OF ASPHALT
- ASPHALT
- REVEGETATION - ACTIVE
- REVEGETATION - PASSIVE
- EDGE OF GRAVEL
- BORDERING BOULDER
- CONCRETE BUMPER
- STORM SWALE

COMPONENTS

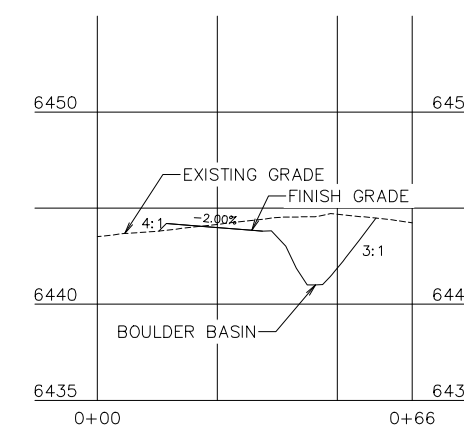
VALUE

COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	180
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	539
PARKING AREA (SQFT)	2,985
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	30
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	61
CUT (CY)	96
FILL (CY)	53
NET CUT (CY)	43
REVEGETATION - PASSIVE (SQFT)	816
REVEGETATION - ACTIVE (SQFT)	6,515
2'-4" DIAMETER BORDERING BOULDERS (EA)	41
6' CONCRETE PINDOWN CURBS (EA)	3



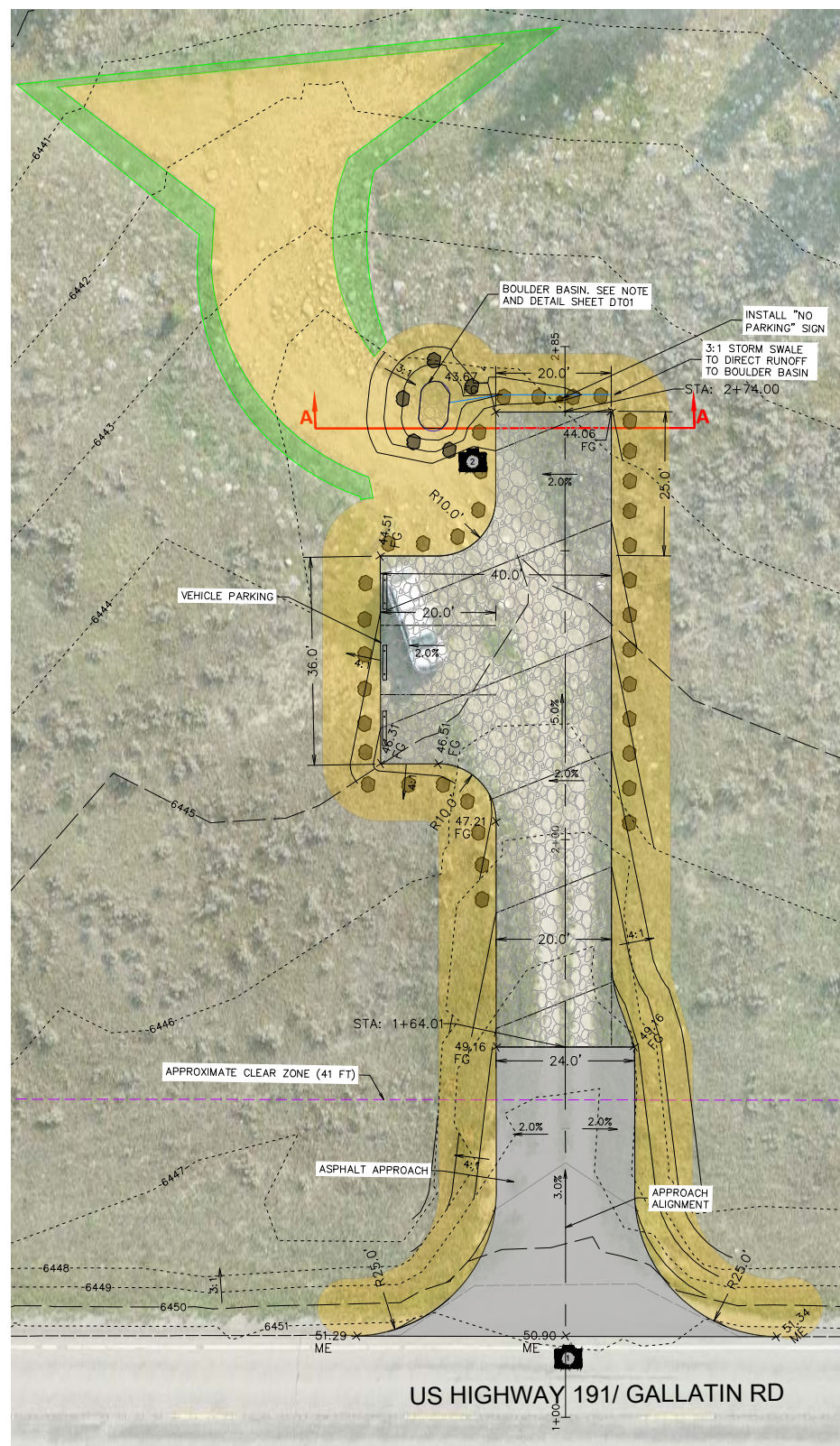
APPROACH PROFILE

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]

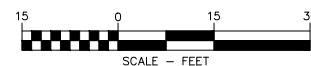
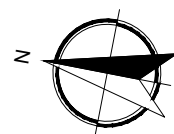


SECTION A-A

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



US HIGHWAY 191/ GALLATIN RD



SCALE - FEET



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PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

LOWER CINNAMON CREEK (SITE 8, MM37-1/FS37.7)

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

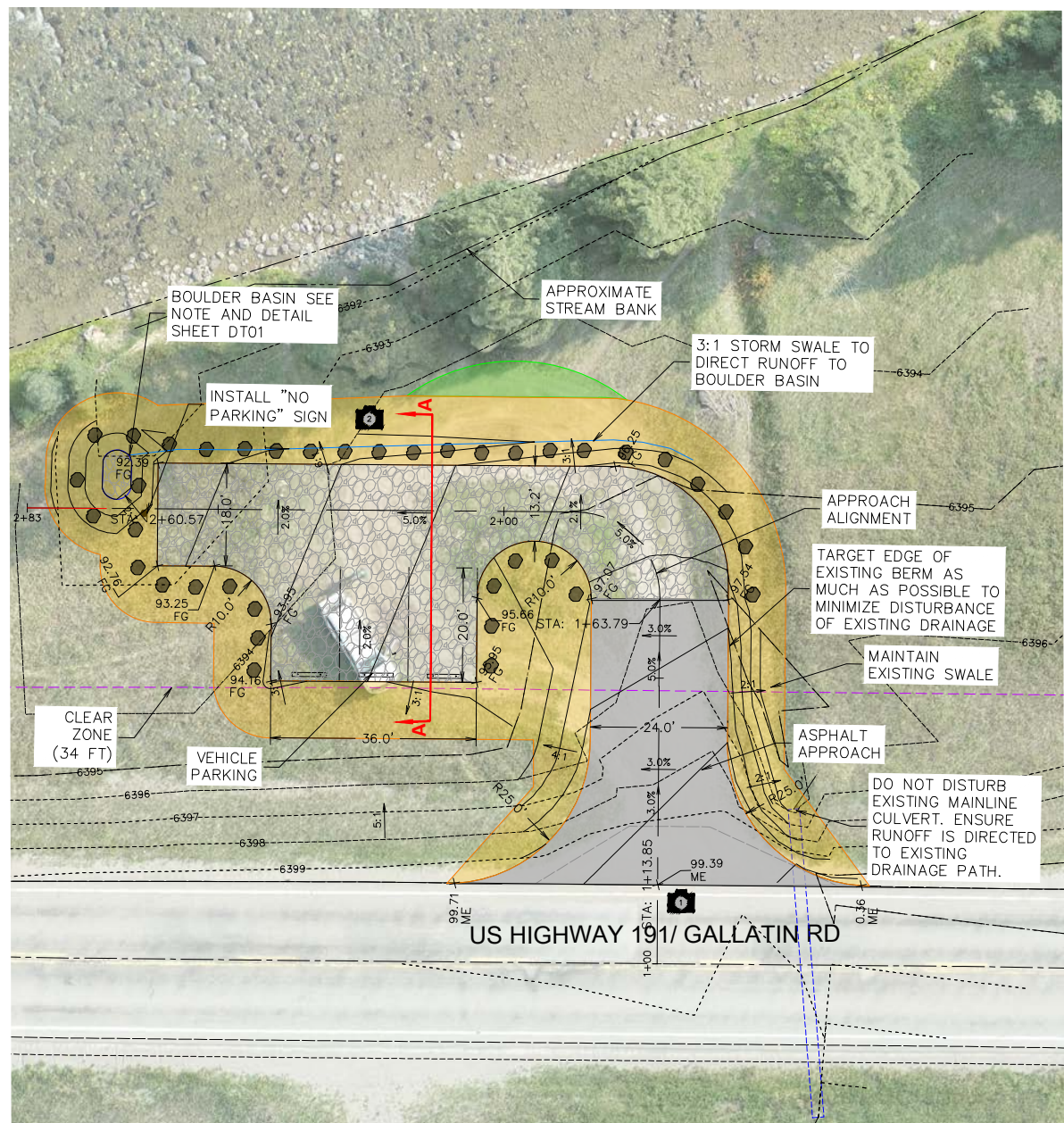
REVISIONS:		
NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET

GP08



LEGEND-GRADING

- MAJOR CONTOUR (PROPOSED)
- MINOR CONTOUR (PROPOSED)
- MAJOR CONTOUR (EXISTING)
- MINOR CONTOUR (EXISTING)
- X 58.50 PROPOSED FINISH GRADE (+6300)
- 1.4% PROPOSED SLOPE
- ME MATCH EXISTING
- FG FINISH GRADE
- ASPHALT
- REVEGETATION - ACTIVE
- REVEGETATION - PASSIVE
- EDGE OF ASPHALT
- EDGE OF GRAVEL
- BORDERING BOULDER
- CONCRETE BUMPER
- STORM SWALE

GENERAL CONSTRUCTION NOTES:

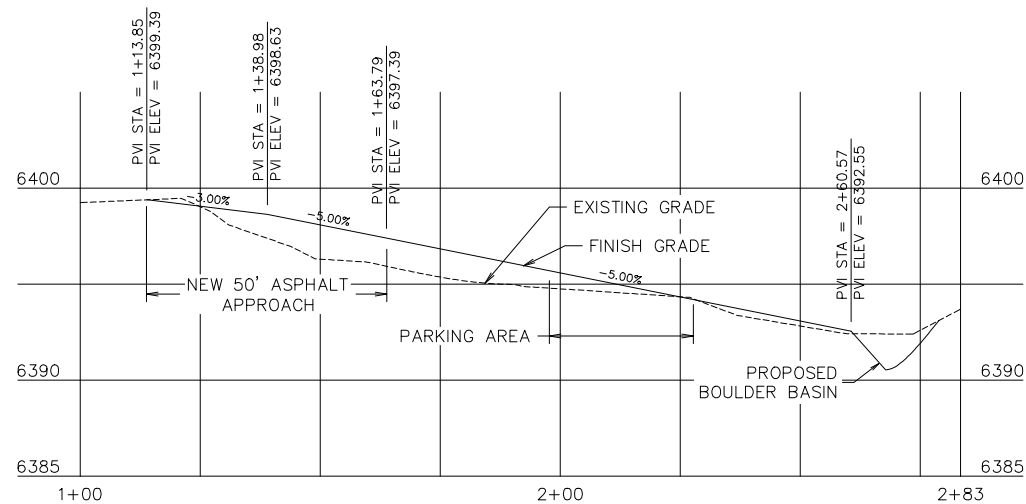
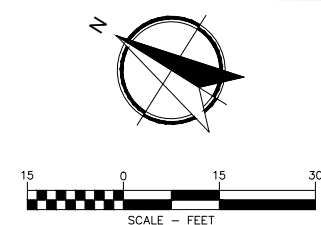
- 1) REVEGETATE ALL DISTURBED AREAS WITH SEED MIX PROVIDED BY USFS.
- 2) BORDERING BOULDERS SHALL BE FIELD FIT BY CONTRACTOR WITH GUIDANCE OF THE ENGINEER. BOULDERS SHALL BE PLACE AROUND PARKING AREA IN 6' ON CENTER INTERVALS AND SHALL NOT ENCR OACH WITHIN THE CLEAR ZONE.
- 3) APPROACH SHALL BE PAVED FOR FIRST 50' AS HATCHED IN THE PLANS. TRANSITION FROM PAVEMENT TO SURFACE AGGREGATE MUST BE SMOOTH.
- 4) BORROW MATERIAL SOURCE TO BE APPROVED BY USFS.

GEOGRAPHICAL LOCATION:

LATITUDE: -111.23183
LONGITUDE: 45.126562

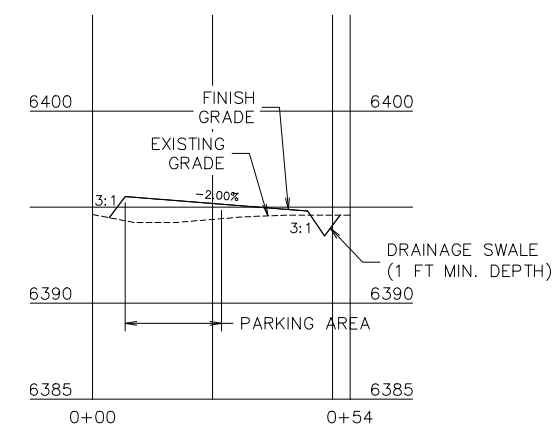


COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	180
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	45
PARKING AREA (SQFT)	2,532
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	26
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	52
CUT (CY)	70
FILL (CY)	93
NET FILL (CY)	23
REVEGETATION - PASSIVE (SQFT)	162
REVEGETATION - ACTIVE (SQFT)	4,077
2'-4" DIAMETER BORDERING BOULDERS (EA)	38
6" CONCRETE PINDOWN CURBS (EA)	3



APPROACH PROFILE

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



SECTION A-A

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



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PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

PACK SADDLE (SITE 9, MM38-1/FS38.3)

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

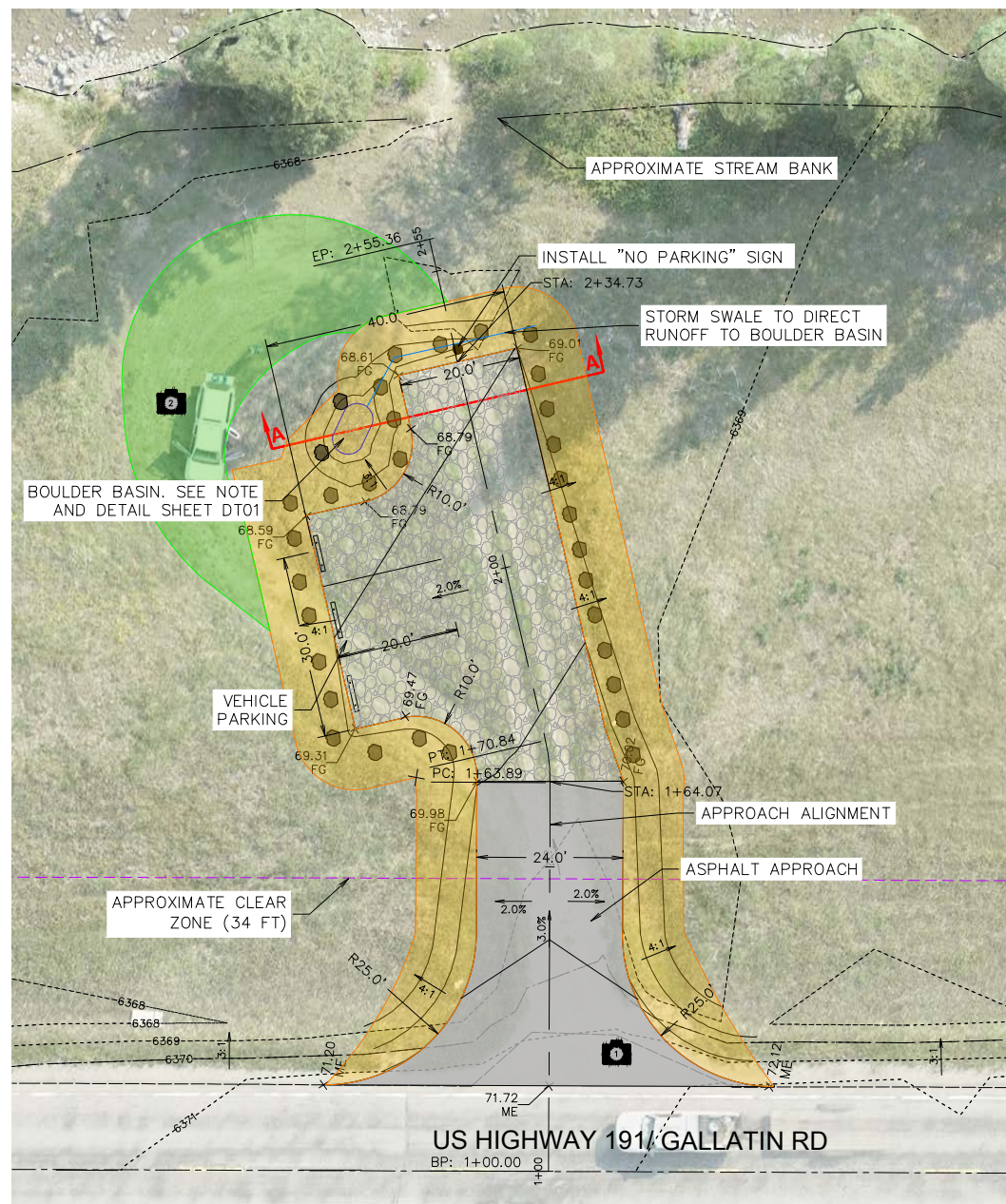
REVISIONS:		
NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET

GP09



LEGEND-GRADING

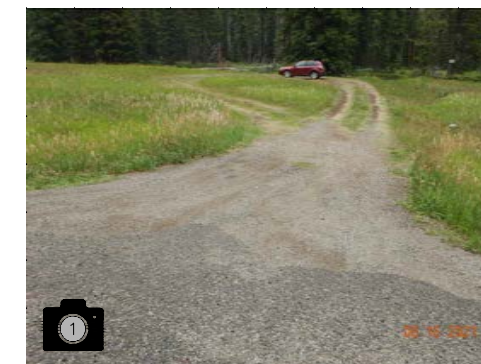
- MAJOR CONTOUR (PROPOSED)
- MINOR CONTOUR (PROPOSED)
- MAJOR CONTOUR (EXISTING)
- MINOR CONTOUR (EXISTING)
- X 58.50 PROPOSED FINISH GRADE (+6300)
- 1.4% PROPOSED SLOPE
- ME MATCH EXISTING
- FG FINISH GRADE
- EDGE OF ASPHALT
- REVEGETATION - ACTIVE
- REVEGETATION - PASSIVE
- EDGE OF GRAVEL
- BORDERING BOULDER
- CONCRETE BUMPER
- STORM SWALE

GENERAL CONSTRUCTION NOTES:

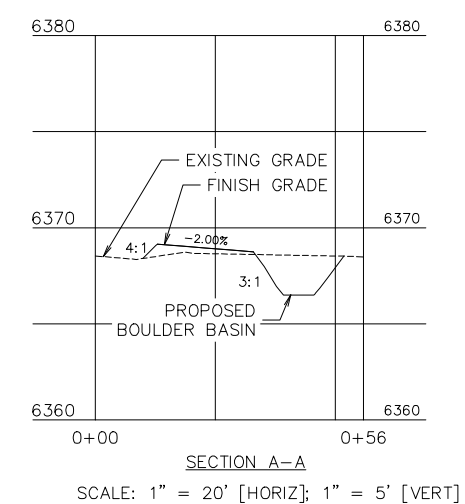
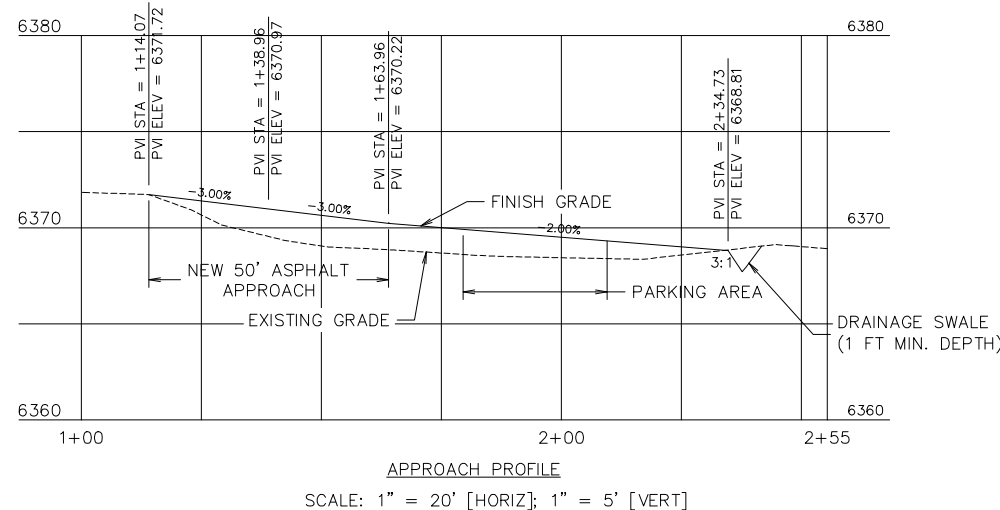
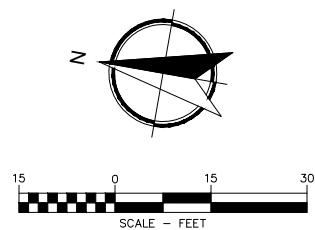
- 1) REVEGETATE ALL DISTURBED AREAS WITH SEED MIX PROVIDED BY USFS.
- 2) BORDERING BOULDERS SHALL BE FIELD FIT BY CONTRACTOR WITH GUIDANCE OF THE ENGINEER. BOULDERS SHALL BE PLACED AROUND PARKING AREA IN 6' ON CENTER INTERVALS AND SHALL NOT ENCRoACH WITHIN THE CLEAR ZONE.
- 3) APPROACH SHALL BE PAVED FOR FIRST 50' AS HATCHED IN THE PLANS. TRANSITION FROM PAVEMENT TO SURFACE AGGREGATE MUST BE SMOOTH.
- 4) BORROW SOURCE MATERIAL TO BE APPROVED BY USFS.

GEOGRAPHICAL LOCATION:

LATITUDE: -111.23567
LONGITUDE: 45.134878



COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	180
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	45
PARKING AREA (SQFT)	2,209
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	22
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	45
CUT (CY)	35
FILL (CY)	85
NET FILL (CY)	51
REVEGETATION - PASSIVE (SQFT)	1,474
REVEGETATION - ACTIVE (SQFT)	3,204
2'-4" DIAMETER BORDERING BOULDERS (EA)	33
6' CONCRETE PINDOWN CURBS (EA)	3

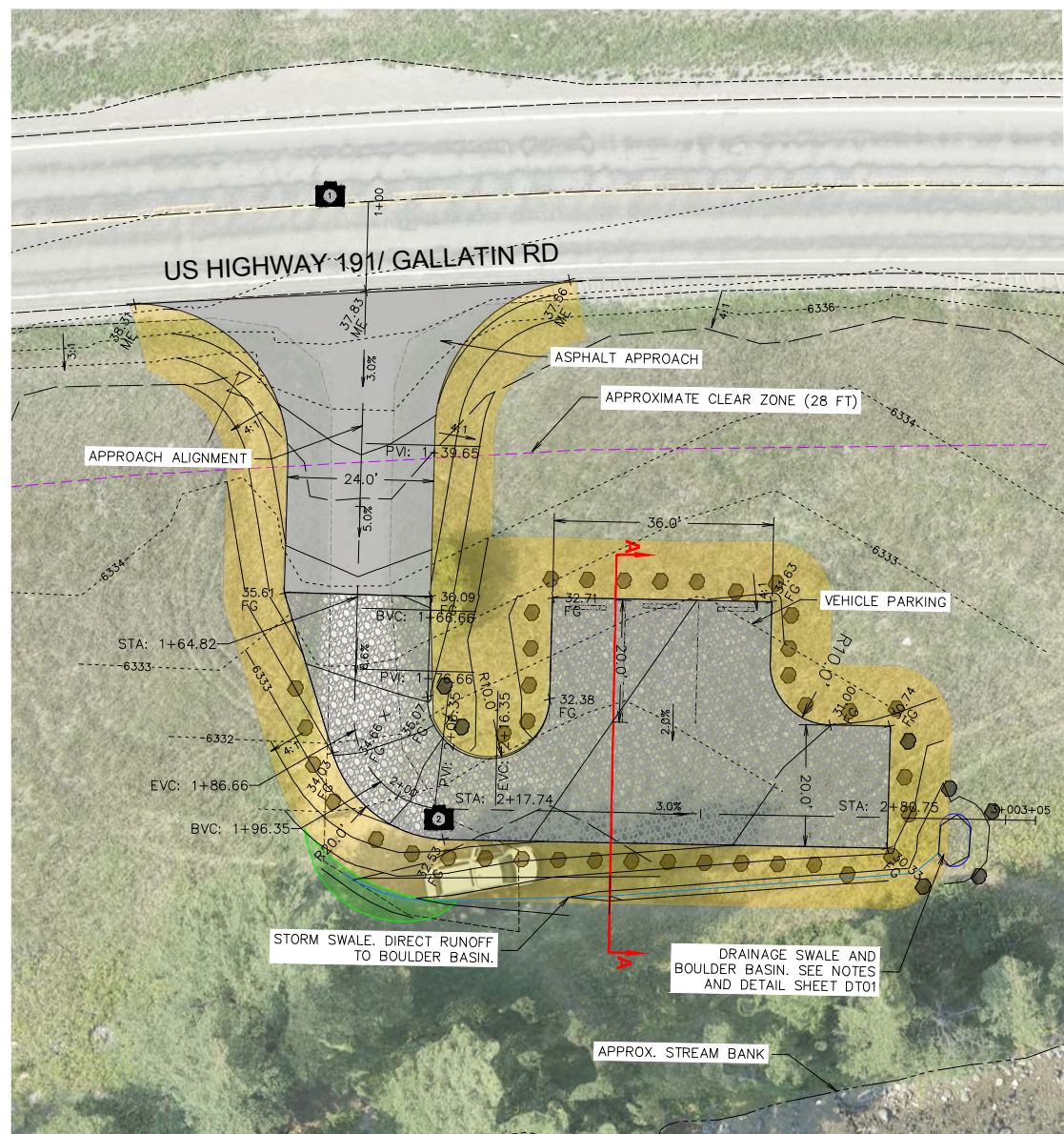




WGM GROUP
WWW.WGMGROUP.COM

PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26



LEGEND-GRADING

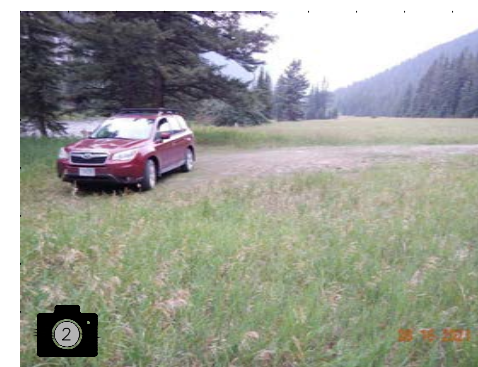
- MAJOR CONTOUR (PROPOSED)
- MINOR CONTOUR (PROPOSED)
- MAJOR CONTOUR (EXISTING)
- MINOR CONTOUR (EXISTING)
- X 58.50 PROPOSED FINISH GRADE (+6300)
- 1.4% PROPOSED SLOPE
- ME MATCH EXISTING
- FG FINISH GRADE
- EDGE OF ASPHALT
- ASPHALT
- REVEGETATION - ACTIVE
- REVEGETATION - PASSIVE
- EDGE OF GRAVEL
- BORDERING BOULDER
- CONCRETE BUMPER
- STORM SWALE

GENERAL CONSTRUCTION NOTES:

- 1) REVEGETATE ALL DISTURBED AREAS WITH SEED MIX PROVIDED BY USFS, SEE DETAIL SHEET.
- 2) BORDERING BOULDERS SHALL BE FIELD FIT BY CONTRACTOR WITH GUIDANCE OF THE ENGINEER. BOULDER SHALL BE PLACE AROUND PARKING AREA AND BOULDER BASIN IN 6' ON CENTER INTERVALS AND SHALL NOT ENCRoACH WITHIN THE CLEAR ZONE.
- 3) APPROACH SHALL BE PAVED FOR FIRST 50' AS HATCHED IN THE PLANS. TRANSITION FROM PAVEMENT TO SURFACE AGGREGATE MUST BE SMOOTH.
- 4) BORROW PIT MATERIAL TO BE APPROVED BY USFS.

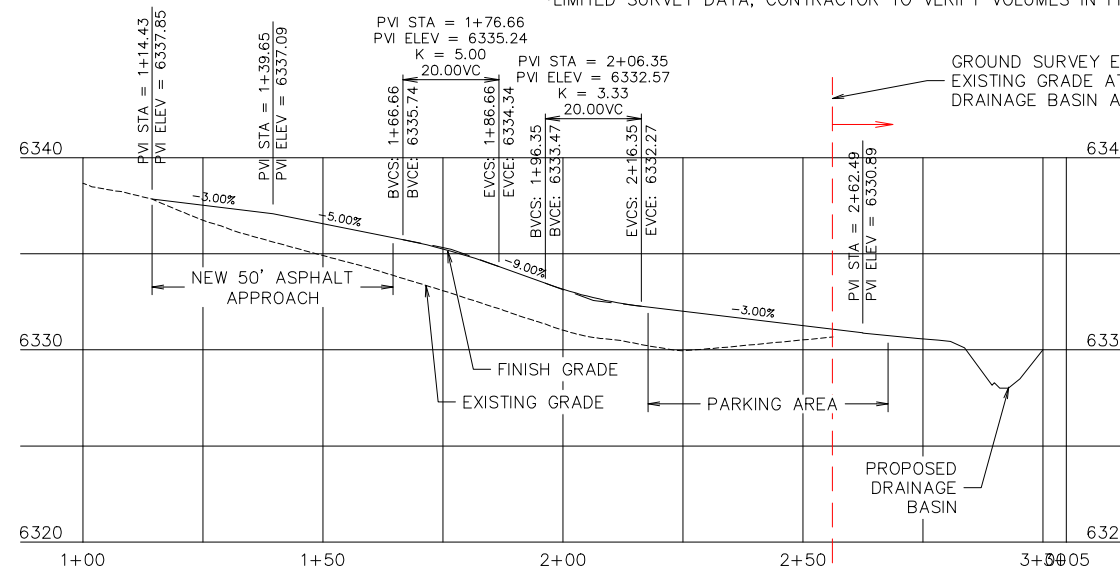
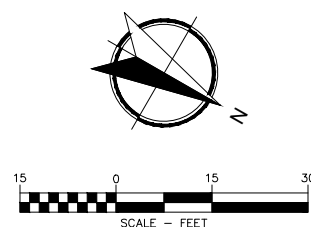
GEOGRAPHICAL LOCATION:

LATITUDE: -111.24489
LONGITUDE: 45.144974



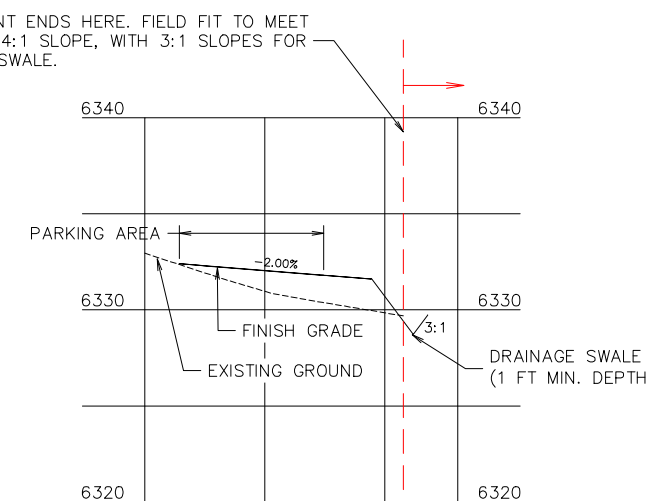
COMPONENTS	VALUE
APPROACH ASPHALT 3" THICKNESS (SY)	180
APPROACH GRAVEL 9" THICKNESS CRUSHED BASE (3/4" MINUS) (CY)	5
PARKING AREA (SQFT)	2824
PARKING AREA 3" THICKNESS CRUSHED BASE (3/4" - 1" MINUS) (CY)	26
PARKING AREA 6" THICKNESS AGG. BASE COURSE (3" MINUS) (CY)	52
CUT (CY)*	126
FILL (CY)*	219
NET FILL (CY)*	94
REVEGETATION - PASSIVE (SQFT)	107
REVEGETATION - ACTIVE (SQFT)	4098
2'-4" DIAMETER BORDERING BOULDERS (EA)	46
6' CONCRETE PINDOWN CURBS (EA)	3

*LIMITED SURVEY DATA, CONTRACTOR TO VERIFY VOLUMES IN FIELD



APPROACH PROFILE

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]



SECTION A-A

SCALE: 1" = 20' [HORIZ]; 1" = 5' [VERT]

SIX SHOOTER (SITE 10, MM39-2)

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

REVISIONS:

NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: GP07
SURVEYED: WGM DRONE
DESIGN: JWD/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

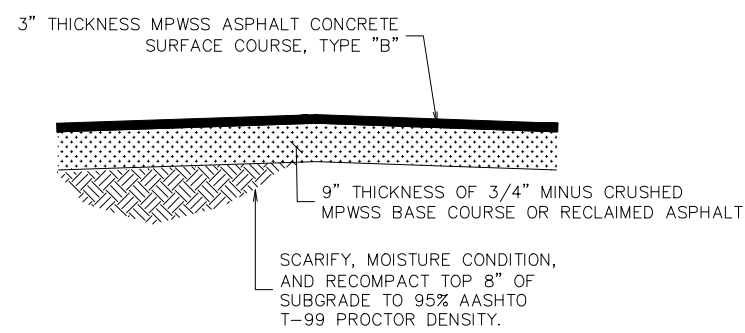
SHEET
GP10



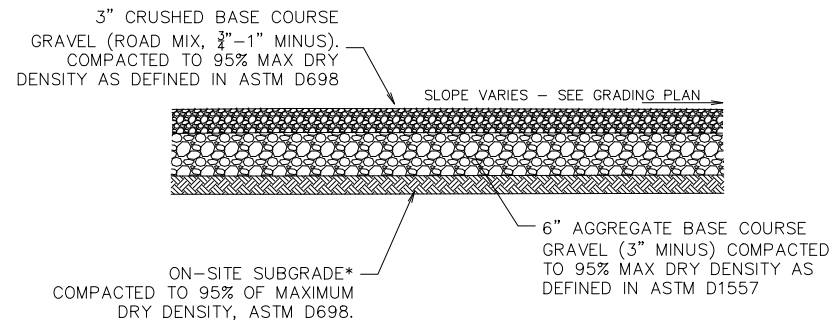
WGM GROUP
WWW.WGMGROUP.COM

PERMIT SET

PLOTTED: 4/1/26
SAVED: 4/1/26

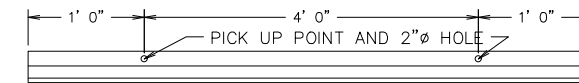


TYPICAL PAVING SECTION
NOT TO SCALE



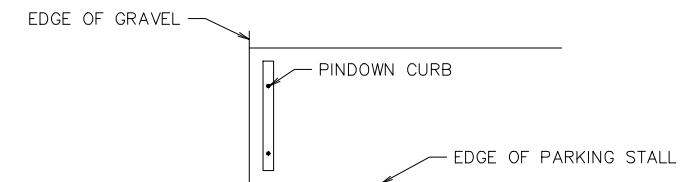
GRAVEL ROAD AND PARKING LOT SECTION
NOT TO SCALE

*NOTE: SUBGRADE SHALL BE ANGULAR MATERIAL FREE OF ORGANICS AND EXPANSIVE CLAYS, WITH AT LEAST 50% SAND AND GRAVEL SUBGRADE MATERIAL TO BE VERIFIED AND ENSURED SUITABLE BY PROJECT MANAGER.



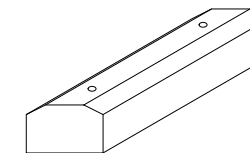
PLAN

PIN-DOWN CURBS TO BE SALVAGED FROM EXISTING PARKING AREAS ON-SITE AS NECESSARY. COORDINATE WITH PROJECT OFFICER FOR NUMBER OF PIN-DOWN CURBS TO BE SALVAGED DURING DEMOLITION PHASE.



PLAN VIEW OF PINDOWN PLACEMENT

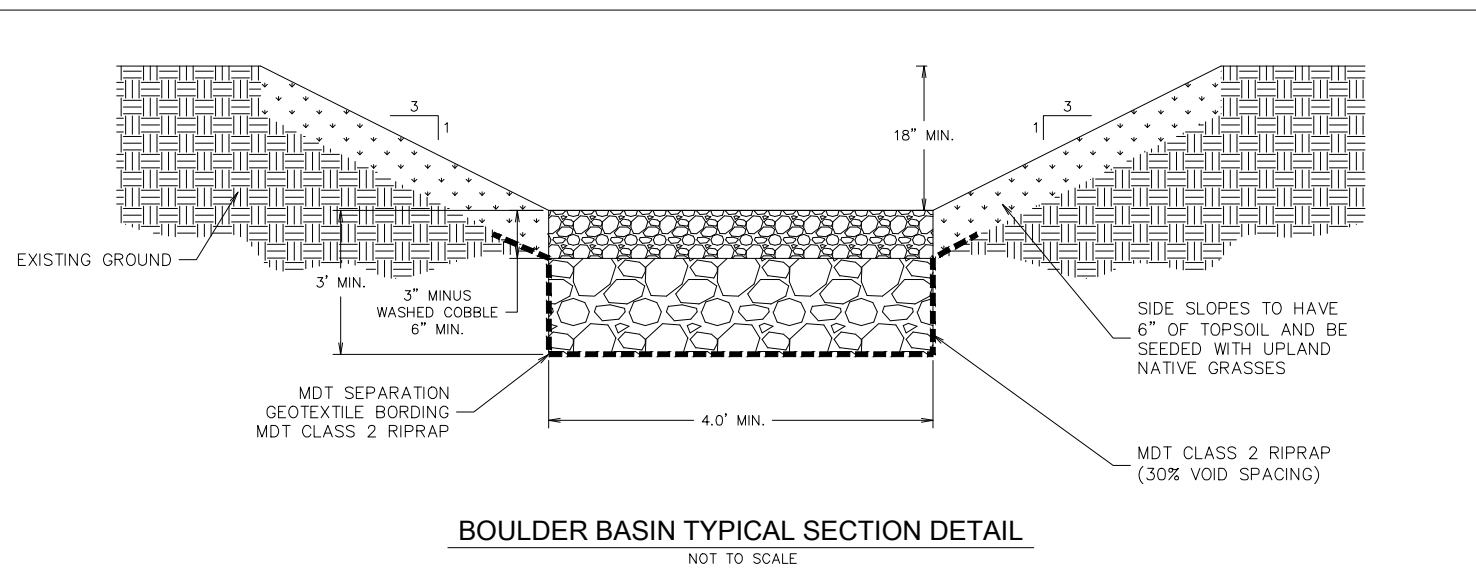
CURB SHALL BE ANCHORED TO GRAVEL WITH 2 NO. 5 X 24" REBAR



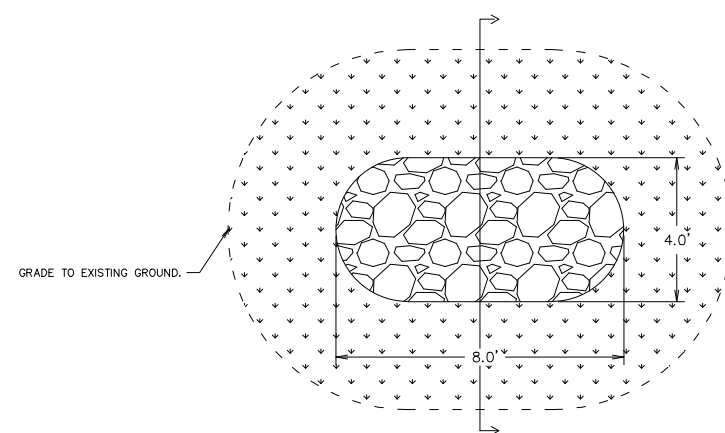
ISOMETRIC VIEW

PIN DOWN CURB
NOT TO SCALE

NOTES:
1. FINAL PIN DOWN CURB LOCATIONS TO BE COORDINATED WITH OWNER AND PROJECT TEAM PRIOR TO INSTALLATION.



BOULDER BASIN TYPICAL SECTION DETAIL
NOT TO SCALE



NOTE: DIRECT RUNOFF FROM PARKING LOT TO BOULDER BASIN.

BOULDER BASIN TYPICAL PLAN VIEW
NOT TO SCALE

DETAILS

GALLATIN RIVER RESTORATION: SITES 6-10

BIG SKY, MONTANA

REVISIONS:		
NO.	DESCRIPTION	DATE

PROJECT: 21-06-21
LAYOUT: 210621DT - DT01
SURVEYED: WGM DRONE
DESIGN: JDW/HTM
DRAFT: EVR
APPROVE: JWD
DATE:

APRIL 2026

SHEET **DT01**

FILE: W:\Projects\210621\CAD Data\Design\22_Task 4 - Heben Parking\210621DT.dwg