

310 Agenda:

MEETING CALLED TO ORDER:

THOSE PRESENT:

EXCUSED:

GUESTS:

310 INSPECTION REPORTS ~ READY FOR DECISION:

Inspection Date	8 /9 /2016	Application Number	GD-033-16
Applicant	Kim Kelsey		
Landowner	Same		
Perennial Stream	Taylor Fork of Gallatin	Section	9 T 9S R 4E
Type of Project	Irrigation Structure		
Type of Project	Improvements to Existing		
Purpose	Create a head gate and location to hook up irrigation pump.		
Inspection Recommendation	Approval with Modifications		
Inspection Modifications	Recommend D50 = 12' rip rap (well graded and angular) on upstream and downstream edge of structure and at toe below channel bed to a depth of 2'.		
Discussion			
Board Decision			

Inspection Date	8 /9 /2016	Application Number	GD-034-16
Applicant	Bright Development LLC		
Landowner	Same		
Perennial Stream	Trib of Buster Gulch	Section	3 T 2S R 5E
Type of Project	Culvert Removal		
Type of Project	Culvert Construction		
Type of Project	Channel Alteration		
Type of Project	Wetland Alteration		
Purpose	To construct an approx. 500' long, 33' wide paved roadway to 8 residential lots. There is an existing 40' long, 30" pipe in the (creek) that is planned to be removed and replaced by a 36" x 58" RCP.		
Inspection Recommendation	Approval with Modifications		
Inspection Modifications	Minimal disturbed soil post construction: protect channel margin where disturbed with native sod mats. Silt fence/straw waddle wrapping limits of disturbance surrounding culvert replacement.		
Discussion			
Board Decision			

Inspection Date	8 /9 /2016	Application Number	GD-035-16
Applicant	Ben Nistler, 2B Holdings, LLC		
Landowner	Same		
Perennial Stream	UT of Baxter Creek	Section	10 T 2S R 5E
Type of Project	Channel Alteration		
Type of Project	Placement of Fill		
Type of Project	New Residential Structure		
Type of Project	Other: Pipe channel		
Purpose	Propose to install 278 feet of 24" PVC in the up gradient reach of the channel from the culvert outlet at the south boundary to the mid-point on the property. Note: GCD approved the piping of this project reach in October 2014. Please see application for details.		
Inspection Recommendation	Approval with Modifications		
Inspection Modifications	Add 5' long x 1' vertical large cobble (6-10") at pipe outlet/flared-end section. Save ditch and over story at power pole (approx 15' upstream from their current plan). Overall increased benefits to the resource from previous permit in 2014. Potential to keep (stream) as-is if wasn't		

GALLATIN CONSERVATION DISTRICT MEETING AGENDA
 August 18, 2016, 4:00 p.m. 310 Business, followed by District Business
 GCD Conference Room, 120 S 5th St, Ste B102 Manhattan MT

designated perennial. Also discuss at meeting manhole and its open grate vs. solid lid.

Discussion
Board Decision

Inspection Date 8 /9 /2016 **Application Number** GD-036-16
Applicant Codytank Holdings LLC
Landowner Same
Perennial Stream Bullrun Creek **Section** 17 **T** 1N **R** 4E
Type of Project Other: Restoration
Type of Project (Bank Stabilization/Alteration)
Type of Project (Placement of Fill) (Channel Alteration)
Type of Project (Culvert Realignment)
Purpose To restore 1850 feet of channel by narrowing and removal of silt. Overall aquatic habitat and function will experience a functional lift...de-silting and re-grading will occur over 1700 feet, a total of 430 feet of stream bank will be re-contoured
Inspection Recommendation Approval as Proposed
Inspection Comments Project represents a significant reduction in scope to that which was reviewed in April 2016. Project should significantly improve aquatic habitat.
Discussion
Board Decision

Inspection Date 8 /9 /2016 **Application Number** GD-037-16
Applicant Maynard and Eileen Flikkema
Landowner Same
Perennial Stream Godfrey Creek **Section** 1 **T** 2S **R** 3E
Type of Project Culvert Construction
Purpose Place a 6' squashed culvert in Godfrey Creek, fill with rip rap, pit run, and road mix gravel to make a 20' approach to Churchill Road
Inspection Recommendation Approval with Modifications
Inspection Modifications Use rip rap option #3 (in application), ensure angular rock D50 = 1-1.5', meaning well-graded with some larger and some smaller. Recommend pipe installed just upstream of preferred location where the creek is in the highway ditch (approx 20' from approach on opposite side of hwy). Salvage wetland sod, use at ends of culvert where channel is disturbed and channel substrate. Infill culvert with salvaged substrate.
Discussion
Board Decision

Inspection Date 8 /9 /2016 **Application Number** GD-038-16
Applicant Matt Henningsen; Yellowstone Basin Ranch
Landowner Same
Perennial Stream Denny Creek **Section** 10 **T** 13S **R** 4E
Type of Project Culvert Construction
Type of Project Irrigation Structure
Type of Project Placement of Fill; Improve.
Type of Project Other; Reconstruct Existing Dam
Purpose To repair and improve the safety of an existing in-stream irrigation reservoir; repair/replace dam materials; replace outlet structure and location of structure; replace wooden diversion with concrete diversion structure in creek. Approx. 1150 feet of Denny Creek will be filled or abandoned as result of dam repair. Approx. 120 feet of new channel will be constructed.
Inspection Recommendation Approval with Modifications
Inspection Modifications Recommend remove existing road road/restore wetland and channel with salvaged sod from under new embankment. Large benefit for low cost. A new road on embankment top supports old road removal/wetland restoration.
Discussion
Board Decision

Inspection Date 8 /9 /2016 **Application Number** GD-039-16
Applicant Emily O'Connor, B.S. Community Organization
Landowner Sanford Kunkel

GALLATIN CONSERVATION DISTRICT MEETING AGENDA
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Perennial Stream	UT of SF of WF of W Gallatin and unnamed stream	Section 11 T 7S R 3E
Type of Project	Bridge Construction	
Purpose	Construct bridges at 2 crossings; Bridge 1 = 10 feet (unnamed waterway), Bridge 2 = 20 ft (UT of SF of WF of W Gallatin). Construction phasing includes 1) install temporary crossings 2) install grade reversals and straw waffles 3) excavate and set bridge abutments, construct bridge 4) seed disturbed area and install erosion control blankets (if necessary.)	
Inspection Recommendation	Approval with Modifications	
Inspection Modifications	Applicant desires to use 60" width in lieu of 48" for the 10' span. Virtually no disturbance to bed/banks.	
Discussion		
Board Decision		

EMERGENCY:

Inspection Date	8 /10 /2016		
Application	GD-3E-16		
Applicant	Northwestern Energy		
Perennial Stream	Mandeville Creek		
Section	36	Township	1S Range 5E
Cause of Emergency	NW Energy is in the process of rerouting a portion of its gas transmission line west of Bozeman. One phase is to directional drill under Mandeville Creek. During this drilling there were five frac-outs which is a release of drilling fluid (bentonite) into the surface environment. Three of these frac-outs were within the creek.		
Action Taken	Isolated the frac out by installing sandbag coffer dams around the locations and using pumps to remove the fluid. It is estimated that approx. 2-3 gallons of fluid were released into the water. The coffer dams are being maintained in place and any additional fluid is being pumped away from the water. The stream is running clear around the coffer dams.		
Date Action Taken	8/01/2016		
Inspection Recommendation	Approval as Proposed		
Discussion			

OLD BUSINESS: Follow up inspections

NEW BUSINESS:

PUBLIC COMMENT:

EXECUTIVE SESSION:

District Business Agenda:

MEETING CALLED TO ORDER:

THOSE PRESENT:

READING AND APPROVAL OF MINUTES FOR July 21 2016:

GUESTS:

NEW BUSINESS:

OLD BUSINESS:

GRANTS/AGREEMENTS/CONTRACT REPORT: Sign 310 Admin grant, CDA-17-1811, \$5325.99.

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WELL-TESTING COST SHARE PROGRAM: Well test for Greenhead Condos (Duane) in the amount of \$80.00. Approve CD Cost share of \$40.00.

COST SHARE PROGRAM:

STAFF REPORT:

Marcie, at meeting, see written report

CONSERVATION DISTRICT REPORTS:

Loren, Associate Supervisor serving on the Gallatin County Planning Board.
Bob, Urban Supervisor serving on the Manhattan City/County Planning Board

AGENCY REPORTS:

Chris Mahoney – Bozeman DC
Review Cooperative Working Agreement with NRCS and DNRC

CHECKS FROM MANHATTAN CHECKING:

CREDIT CARD:

Will add once statement received.

INVOICES TO PAY (may add more prior to meeting)

<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
08/02/2016	July 27, 2016	NorthWestern Energy	July power	214.80
08/09/2016	0716-015	RESPEC	July 310 Inspections	900.00
08/02/2016	1088	Town Center Condominium POA	September Condo Dues July water at E&O	666.90
08/03/2016	08/01/2016	Town of Manhattan	Center	36.93
08/02/2016	07/31/2016	Valley Improvement Center	Misc supplies	160.12
08/02/2016	533096	Jive	July Phone	114.71

DEPOSITS RECEIVED: \$995.00 July 15-Aug 15 office rent; \$50.00 ½ day Conference Room rental; \$20.00 CD hat; \$995.00 Aug 15-Sept 15 office rent.

TREASURER'S REPORT:

P&L, Balance,

REVIEW WORK PLAN

CD SEMINARS/ WORKSHOPS:

MEETINGS:

CORRESPONDENCE:

EXECUTIVE SESSION:

PUBLIC COMMENT:

MEETING ADJOURNED: