

CAPITAL IMPROVEMENT PROGRAM
City of Missoula CIP Project Request Form FY 2017-2021

Program Category:	Project Title:	15 Project #	16 Project #	17 Project #
Public Safety	Boat Ramp Construction			PS-04

Description and justification of project and funding sources:

Extension of boat ramp and stabilization of river bank. This project is necessary for the safe and effective launching and retrieval of MFD's rescue water craft. With the removal of the Milltown dam, river flows have been affected and silt has deposited at the base of the existing ramp and the river bank is eroding. We recieved funding in FY16 for the design work and permitting which was contingent on recieving FY17 funding for construction before the necessary permits expire.

Is this equipment prioritized on an equipment replacement schedule?	Yes	No	NA
			x
Is there ongoing Operating and/or Maintenance costs upon completon of project?	Yes	No	NA
	X		

Are there any site requirements:

N/A

How is this project going to be funded:

REVENUE	Funding Source	Accounting Code	FY17	FY18	FY19	FY20	FY21	Funded in Prior Years
	General Fund		41,500					
			41,500	-	-	-	-	-

How is this project going to be spent:

EXPENSE	Budgeted Funds	Accounting Code	FY17	FY18	FY19	FY20	FY21	Spent in Prior Years
	A. Land Cost B. Construction Cost C. Contingencies (10% of B) D. Design & Engineering (15% of B) E. Percent for Art (1% of B) F. Equipment Costs G. Other			41,500				
			41,500	-	-	-	-	6,486

Does this project have any additional impact on the operating budget:

OPERATING BUDGET COSTS	Expense Object	Accounting Code	FY17	FY18	FY19	FY20	FY21	Spent in Prior Years
	Personnel Supplies Purchased Services Fixed Charges Capital Outlay Debt Service							
			-	-	-	-	-	-

Description of additional operating budget impact:

Responsible Person:	Responsible Department:	Date Submitted to Finance	Today's Date and Time	Preparer's Initials	Total Score
Jason Diehl	Fire		4/20/2016 13:24	CS	52

CAPITAL IMPROVEMENT PROGRAM

Project Rating

(See C.I.P. Instructions For Explanation of Criteria)

Program Category:	Project Title:				10 Project #	
Public Safety	Boat Ramp Construction				PS-04	
Qualitative Analysis		Yes	No	Comments		
1. Is the project necessary to meet federal, state, or local legal requirements? This criterion includes projects mandated by Court Order to meet requirements of law or other requirements. Of special concern is that the project be accessible to the handicapped.		x		Design work is necessary to obtain required permits for extension of the boat ramp and river bank stabilization.		
2. Is the project necessary to fulfill a contractual requirement? This criterion includes Federal or State grants which require local participation. Indicate the Grant name and number in the comment column.			x	NA		
3. Is this project urgently required? Will delay result in curtailment of an essential service? This statement should be checked "Yes" only if an emergency is clearly indicated; otherwise, answer "No". If "Yes", be sure to give full justification.		x		Improvements in boat ramp are necessary to maintain emergency response capabilities.		
4. Does the project provide for and/or improve public health and/or public safety? This criterion should be answered "No" unless public health and/or safety can be shown to be an urgent or critical factor.		x		Yes. The boat ramp is essential for the provision of river rescue and other services which rely on the deployment of rescue water craft.		
Quantitative Analysis		Raw Score Range	Comments		Weight	Total Score
5. Does the project result in maximum benefit to the community from the investment dollar?		(0-3) 3	Yes. The project will reduce workers compensation and liability exposure for the City. We have incurred two workers compensation injuries amounting to \$20,387.22.		5	15
6. Does the project require speedy implementation in order to assure its maximum effectiveness?		(0-3) 2	Due to permitting requirements, speedy implementation is not possible. However, steady progress is necessary for maximum effectiveness.		4	8
7. Does the project conserve energy, cultural or natural resources, or reduce pollution?		(0-3) 3	The river bank stabilization associated with this project will reduce erosion therefore conserve natural resources and reduce pollution.		3	9
8. Does the project improve or expand upon essential City services where such services are recognized and accepted as being necessary and effective?		(0-2) 2	Yes. This project will improve rapid deployment of water rescue craft and improve firefighter and community safety.		4	8
9. Does the project specifically relate to the City's strategic planning priorities or other plans?		(0-3) 3	Yes. This project will directly relate to the City's strategic plan through improved public safety and reduced risk to firefighter health and safety.		4	12
Total Score						52

17 Project #	Project Title:
PS-04	Boat Ramp Construction

Date	Author	Notes

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**MISSOULA FIRE DEPARTMENT - BOAT RAMP EXTENSION
CLARK FORK RIVER / McCORMICK PARK
MISSOULA, MONTANA**

PROJECT: Missoula Fire Dept. Boat Ramp Extension Missoula, MT		<i>RESPEC</i> March 2016				
Item Number	Item Description	Unit	Estimated Quantity	Unit Cost	Cost (\$)	Notes
General Construction Items						
	Safety Fence	LF	150	\$5.00	\$750	
	Construction (Temporary) Sediment and Erosion Control	Lump Sum	1	\$3,000.00	\$3,000	
	Construction Dewatering / River Flow Diversion	Lump Sum	1	\$5,000.00	\$5,000	
	Subtotal				\$8,750	
Boat Ramp Extension						
	Earthwork Preparation / Grading	CY	35	\$30.00	\$1,050	
	Ramp sub-grade material / preparation	CY	10	\$75.00	\$750	
	CIP (Cast-in-Place) Concrete (incl. concrete, rebar, forms/placement, and surface finish)	CY	6	\$500.00	\$3,000	
	Riprap (boat ramp perimeter)	CY	6	\$150.00	\$900	
	Subtotal				\$5,700	
Bank Stabilization (Fabric Encapsulated Lifts and Supplemental Riprap)						
	Fabric Encapsulated Soil (FES) Lifts (includes willow roll)	LF	30	\$150.00	\$4,500	
	Supplemental Riprap	CY	30	\$150.00	\$4,500	
	Willow Plugs	EA	350	\$2.50	\$875	
	Subtotal				\$9,875	
Upper Bank Recontouring and Revegetation (Native Seeding and Planting)						
	Earthwork / Grading	CY	15	\$20.00	\$300	
	Erosion Control Fabric/Blanket	SY	150	\$3.00	\$450	
	Seeding	SF	750	\$0.10	\$75	
	Willow/Shrub Planting (containerized stock)	Each	20	\$50.00	\$1,000	
	Wooden Rail Fence	LF	60	\$20.00	\$1,200	
	Subtotal				\$3,025	
	Mobilization/Demobilization (10% of Construction Cost)				\$2,700	(1)
	SUBTOTAL				\$30,100	
	Allowance for Contingencies (15% of Subtotal)			15%	\$4,500	
	OPINION OF PROBABLE CONSTRUCTION COST				\$34,600	
	Construction Management (20% of Construction Cost)			20%	\$6,900	
	TOTAL PRELIMINARY COST OPINION				\$41,500	

(1) Mobilization costs set at 10% of project subtotal

DATE	NO. OF SHEETS
DESIGNED BY	DATE
CHECKED BY	NO. OF SHEETS
DATE	NO. OF SHEETS



MISSOULA FIRE DEPARTMENT
 425 E. PINE STREET
 MISSOULA, MT 59802

DOAT RAMP
 EXTENSION

COVER SHEET

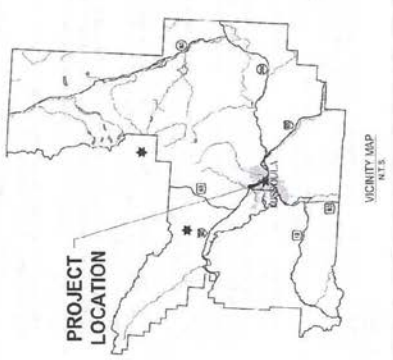
01
 SHEET 01



Missoula Fire Department BOAT RAMP EXTENSION

MISSOULA,
 MISSOULA COUNTY,
 MONTANA



APRIL 2016

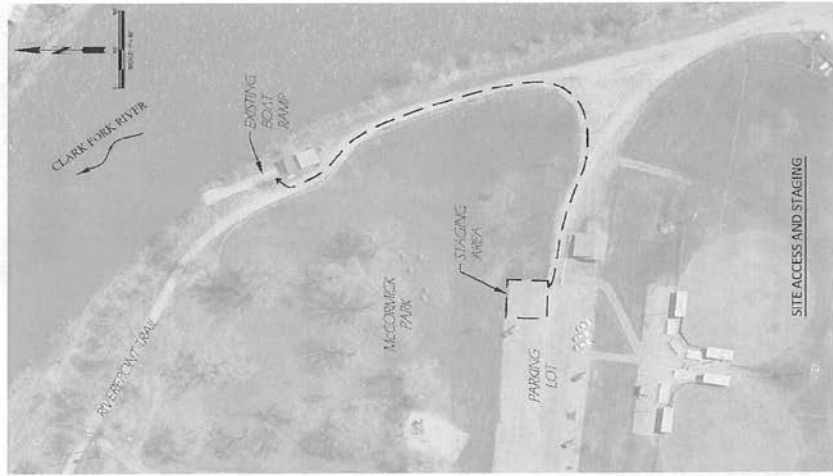


SHEET NO.	DESCRIPTION	NO. OF SHEETS
01	COVER SHEET	
02	GENERAL NOTES, SITE ACCESS & TRACING	
03	EXISTING CROFT ONE	
04	SITE PLAN & PROFILE	
05	RAAMP DETAILS	
06	POST DETAILS	

RESPEC
 2015 VALLEY COMMONS DR
 SUITE 101
 BOZEMAN, MT 59718
 TEL: (406) 594-2525

DRAFT - NOT FOR CONSTRUCTION

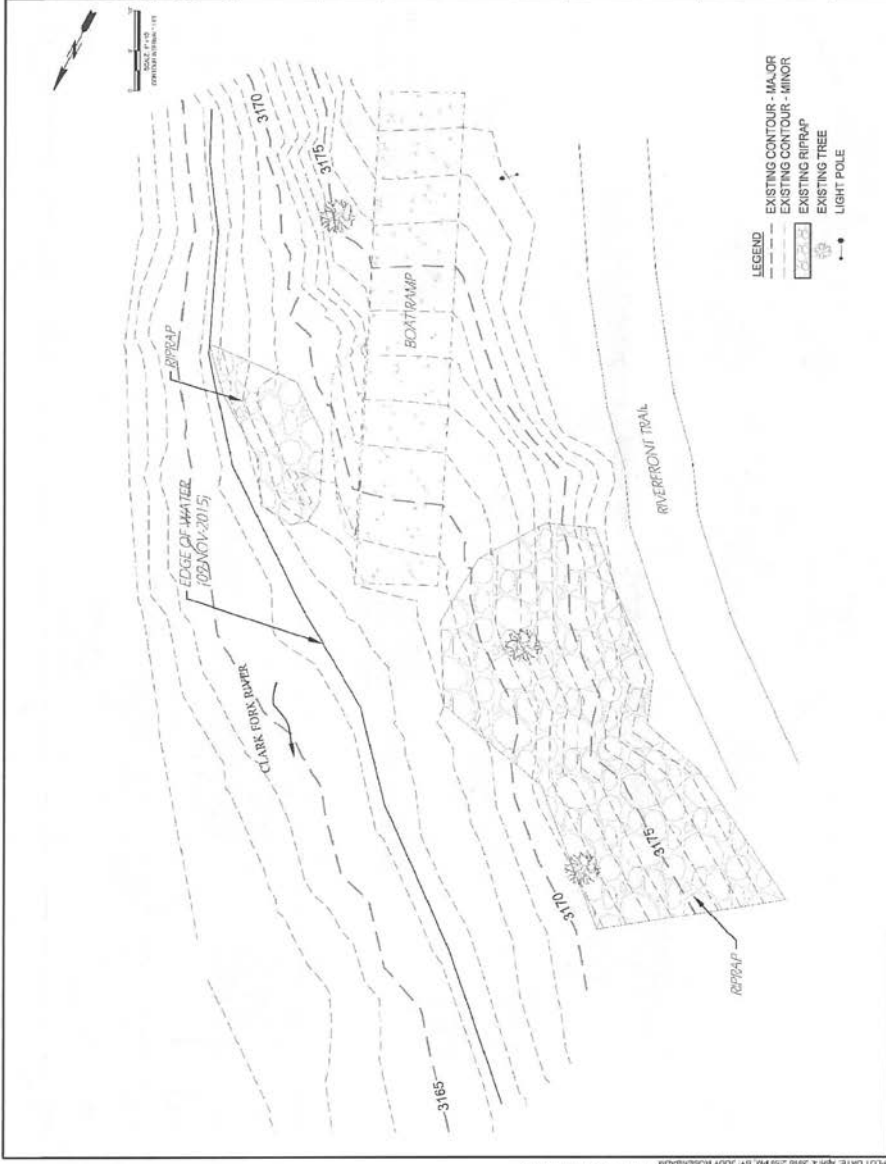
	DATE	SCALE
	PROJECT	NO.
	MISSOULA FIRE DEPARTMENT 625 E. PINE STREET MISSOULA, MT 59802	BOAT RAMP EXTENSION AND STAGING
SHEET NUMBER 2		SHEET TOTAL 2



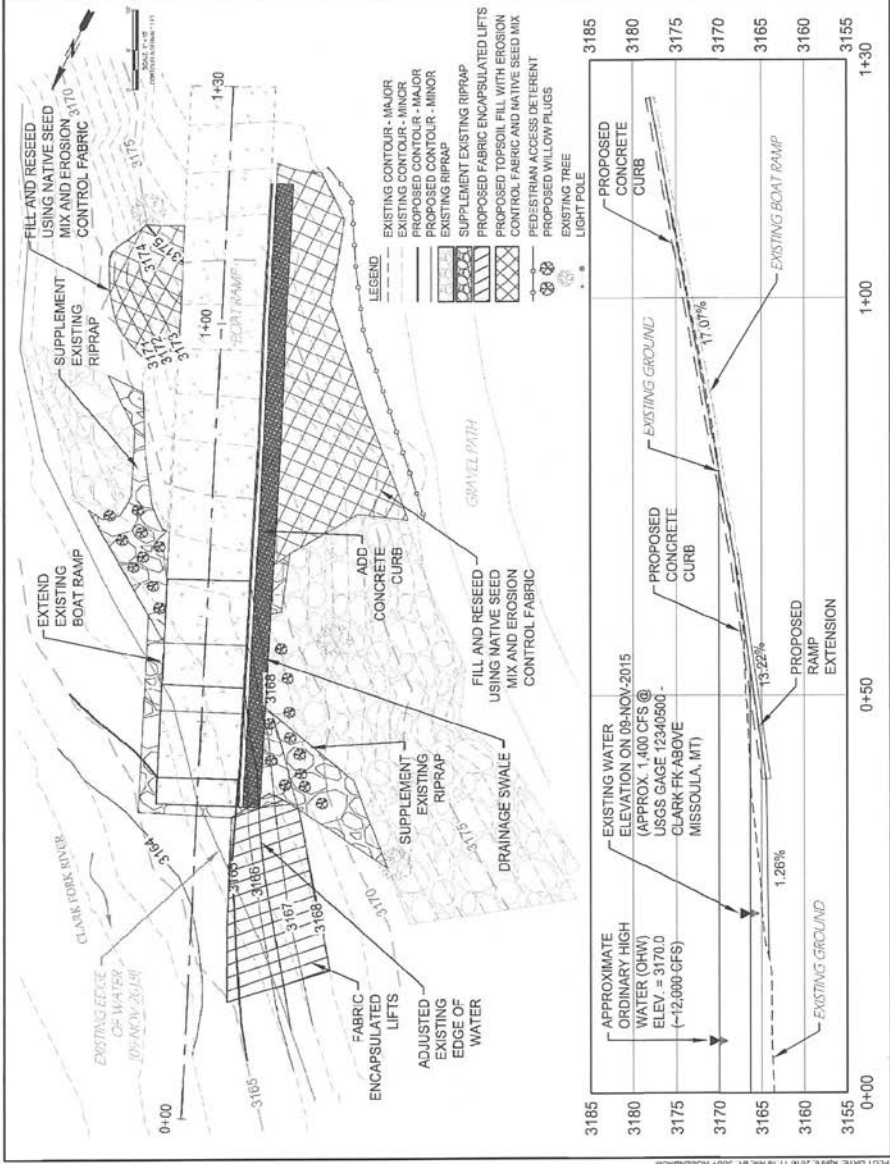
- GENERAL NOTES:**
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND DETERMINE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK. CALL (OR ONE CALL UTILITY LOCATE: 1-800-424-5555) A MINIMUM OF 72 HOURS BEFORE WORK IS PLANNED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND PROPERLY REPAIRING ANY AND ALL DAMAGED UTILITIES.
 - ALL UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ALL UTILITY LOCATIONS ARE SUBJECT TO THE ACCURACY OF THE LOCATION BE FOUND AND SUBJECT TO RELOCATION PRIOR TO THE TIME THAT THESE DRAWINGS WERE PREPARED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENGINEER OF ANY CONFLICTS FOUND BETWEEN THE CONSTRUCTION PLANS AND CONDITIONS LOCATED ON THE DRAWINGS.
 - CONTRACTOR SHALL UNLESS OTHERWISE DIRECTED, REPAIR ALL SIGNS, FENCES, CABLES, APPROACH PAVEMENTS, OR OTHER FEATURES THAT MAY BE REQUIRED TO ACCESS THE CONSTRUCTION AREA. CONTRACTOR SHALL VERIFY THE NATURE AND EXTENT OF ANY OF THESE FEATURES PRIOR TO BEGINNING THE WORK. COST OF THIS WORK SHALL BE INCIDENTAL TO THE PROJECT UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS.
 - CONTRACTOR SHALL ADHERE TO ALL CONSTRUCTION LIMIT BOUNDARIES SHOWN. CONSTRUCTION LIMITS MAY NOT ALLOW TOTAL USE OF THE AREA DUE TO SURFACE OBSTRUCTIONS OR OTHER PUBLIC FUNCTIONS (E.G., TRAIL USE).
 - ACCESS TO THE CONSTRUCTION AREA SHALL BE THROUGH THE MCCORMACK PARK PARKING LOT AND VIA PUBLIC RIGHT-OF-WAY ALONG RIVERFRONT TRAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND REPAIRING ANY AND ALL DAMAGE TO THE TRAIL AND PARKING LOT SHALL BE REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE TO THE SATISFACTION OF THE CITY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS FROM THE CITY FOR ACCESS/USE OF MCCORMACK PARK AREAS TO STAGE, STORE AND MOBILIZE EQUIPMENT AND MATERIALS TO THE CONSTRUCTION AREA.
 - TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG THE NORTH EDGE OF RIVERFRONT TRAIL DURING CONSTRUCTION AS A SAFETY MEASURE.
 - CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AND RESTRICTIONS FOUND IN REGULATORY PERMITS OBTAINED BY THE ENGINEER/PLANNER, INCLUDING THE FOLLOWING:
 - SECTION 604 PERMIT FROM U.S. ARMY CORPS OF ENGINEERS (FOR PLACEMENT OF FILL MATERIALS WITHIN WETLANDS OR WATERS OF THE U.S.)
 - STREAM PROTECTION ACT (SPA) 124 PERMIT FROM MONTANA FSA, WILDLIFE & PARKS (WORK AFFECTING THE BED OR BANKS OF A STREAM OR RIVER)
 - 318 AUTHORIZATION FROM MONTANA DCO (PROVIDES A SHORT-TERM WATER QUALITY STANDARION LIABILITY RESULTING FROM CONSTRUCTION ACTIVITIES)
 - FLOODPLAIN PERMIT FROM CITY OF MISSOULA
 - NAVIGABLE WATERWAY USE LICENSE FROM MONTANA DWR
 - LEGAL LOAD LIMIT REQUIREMENTS SHALL BE ADHERED TO ON ALL STATE HIGHWAYS, COUNTY ROADS, AND CITY STREETS.
 - WORK ON AT LEAST A PORTION OF THE BOAT RAMP EXTENSION WILL REQUIRE TEMPORARY DOWNGRADE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE COVERAGE AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SPECIFICATIONS AND IN COMPLIANCE WITH ALL PROJECT PERMITS.
 - ALL WORK SHALL BE COMPLETED TO THE STANDARDS OUTLINED IN MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS SURPLUS, 8TH EDITION (APRIL 2015), AND TO CITY OF MISSOULA REQUIREMENTS. IN THE EVENT OF CONFLICTING REQUIREMENTS, THE MORE RESTRICTIVE REQUIREMENT SHALL GOVERN.

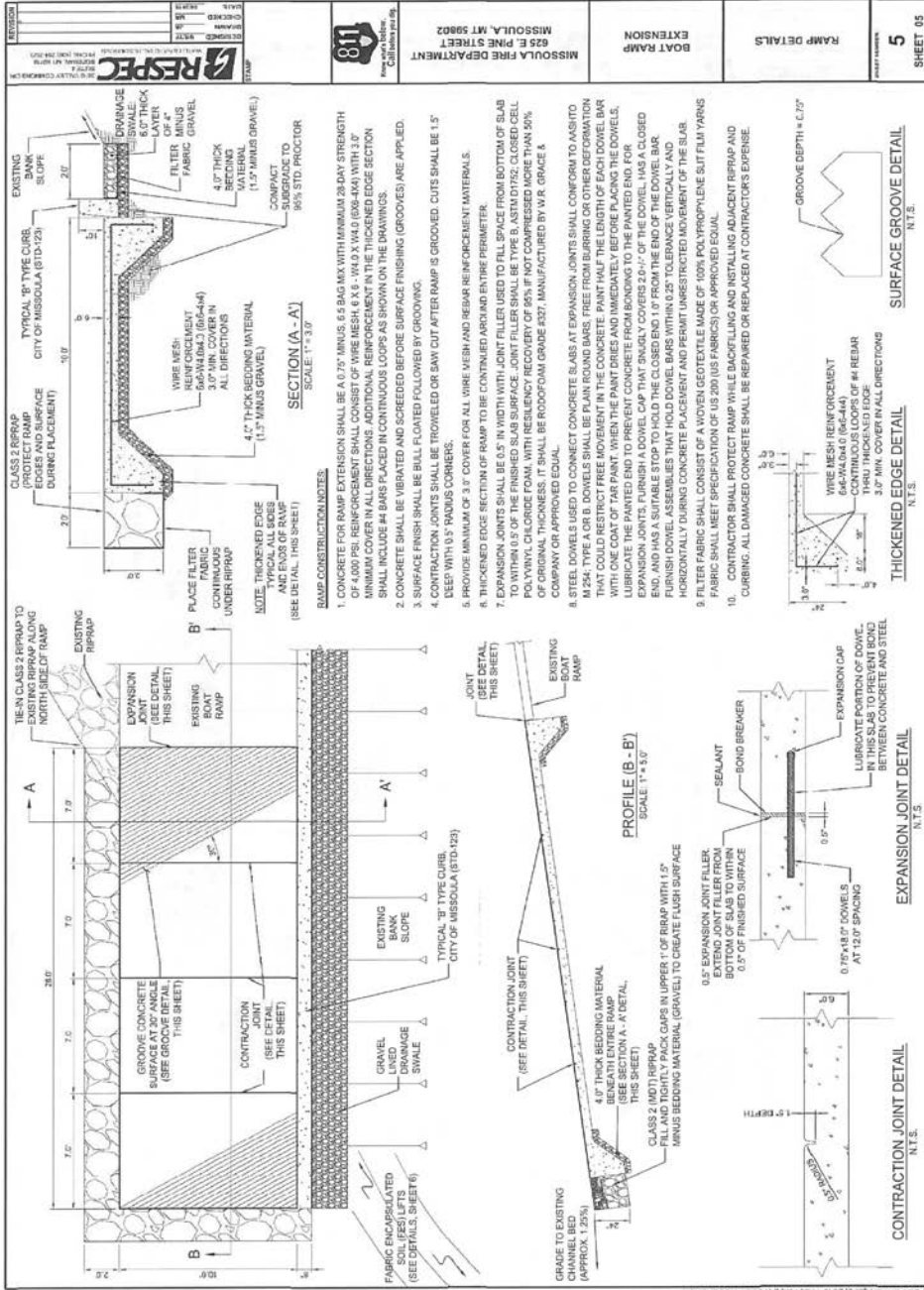
NAME: GISEL PERCOTT MISSOULA BOAT RAMP EXTENSION AND STAGING NOTES: STAGING AREA

				MISSOULA FIRE DEPARTMENT 635 E PINE STREET MISSOULA, MT 59802	
PROJECT: BOAT RAMP EXTENSION DATE: 11/15/11 DRAWN BY: JLDY CHECKED BY: JLDY	SHEET NUMBER: 3 SHEET 03	EXISTING CONDITIONS			



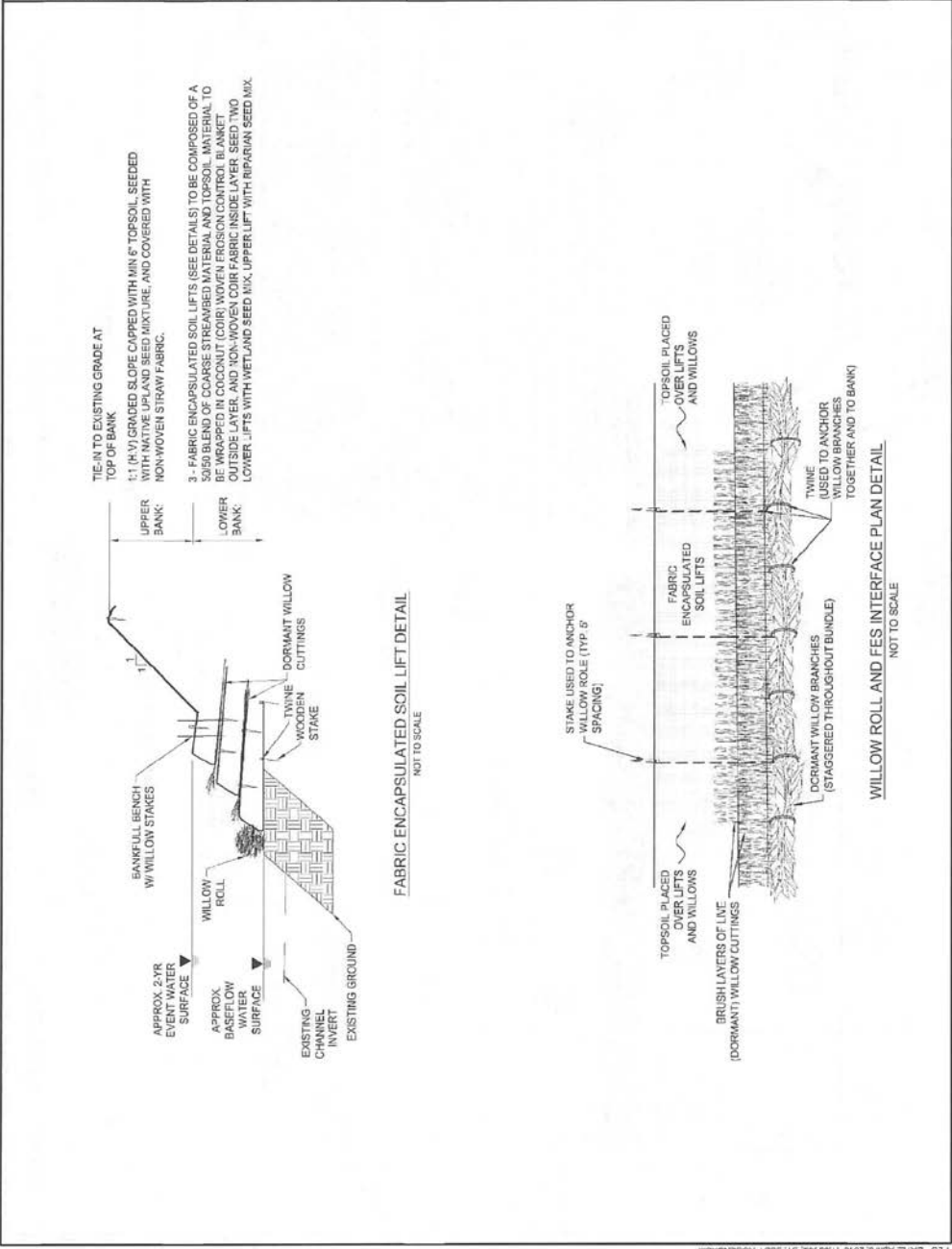
FILE: G:\RESPEC\121 MISSOULA TO BOAT RAMP\CAD\SET\11\11_5_EXISTING.DWG
 PLOT DATE: 11/15/11 2:18 PM BY: JLDY (R0262414)





FILED DATE: APR 08, 2016 11:50 AM BY: JUDY ROSENBLUM MISSOURIA BOAT RAMP RENOVATION 5. DETAIL.DWG

	MISSOURIA FIRE DEPARTMENT 625 E. PINE STREET MISSOURIA, MT 59802
SHEET 05	BOAT RAMP EXTENSION
RAMP DETAILS	5



NAME: 01RESPEC02721 MISSOURIA BOAT RAMP/CD/SHETS/271.5 DETAIL.DWG
 PLT DATE: April 8, 2016 11:00 AM 91 JABY ROSENBLUM

MISSOURIA FIRE DEPARTMENT 625 E. PINE STREET MISSOURIA, MO 65052	
RESPEC 225 WALKER COMPANY DR. SUITE 4 COLEMAN, MO 65209 PHONE: (636) 428-2025	STATE