Pimushe Boat Access Rd Repair

Item	Description	Method of Measure	Unit	Qty
01	MnDot Class 5 Gravel	AQ	CY	60
02	1-1/2” – 2-1/2” Crushed Rock	AQ	CY	24
03	Drainage Re-establishment (includes turnouts)	CQ	LS	1

Pimushe Lake Access Road Project

The Pimushe Lake Access Road project includes providing, hauling and placing of MnDOT class 5 gravel, providing, hauling and placing of 1-1/2" – 2-1/2" crushed rock, re-grading the slope adjacent to the boat access and creating turnouts to re-establish proper drainage. The intent of this project is to reduce sediment and surfacing washing on the roadbed that is directly adjacent to the Lake Pimushe boat ramp.

Project Location:

a. *From Cass Lake MN*, travel east for 6.3 miles on US HWY 2, then travel north on Cass County 10 (Scenic HWY 39) for 13.1 miles arriving at FR3848. Follow FR3848 to the end where project is located.

b. *From Blackduck Mn*, travel south on Cass County 10 (Scenic HWY 39) for 13.25 mi arriving at FR FR3848. Follow FR3848 to the end where project is located.

Drainage Re-Establishment:

A. This work consists of shaping and grading the roadbed to establish proper drainage including the construction of up to 4 turnouts as needed for approximately 350 FT of FR3848 (Pimushe Access Rd) near the boat access parking lot.
   1. Forest Service will stake this location afield per contractor's request.

B. A bulldozer, motor patrol, skid steer, or other equipment with suitable implements shall be used to remove ruts, eliminate potholes and other depressions and create an overall smooth surface that is sloped for drainage. Depressions, potholes, ruts or other deformations shall be completely removed. Blade cuts, reclamation etc. shall be to a depth that extends to at least as deep as the roadbed deformation itself. This may be done using any type of approved equipment or implement.

   1. "High Blading" or the practice of merely filling low areas with loose material will not be accepted as an approved means of roadbed maintenance.

C. Shallow Geotextile fabric is known at the project location. If contractor disturbs or damages any fabric during construction, they shall neatly trim as close to the damaged pieces as possible and remove the damaged and trimmed pieces from the project site. Fabric replacement is not required.

Gravel Placement:

A. This work shall consist of providing, hauling, placing and compacting 60 CY of MnDOT Class 5 Gravel. Placement location can be found on the drawings. Forest Service will stake the location per contractor's request.

B. No gravel placement shall be done until that portion of the drainage re-establishment is complete per the project specifications.

C. Compaction of surfacing shall be achieved by one of the following methods:
   1. Three passes of a smooth drum vibratory roller of 2,400lbs or of greater weight.

2. Multiple passes by loaded rubber tire construction equipment until visible signs of deformation cease.

MnDOT Class 5 Material:

A. MnDOT Class 5 gravel shall be measured by the loose cubic yard delivered to the site.
   a. Contractor is required to submit load tickets to Forest Service.

B. Gravel shall meet the specifications shown in MnDOT Class 5 Specifications in Table 1.

MnDOT Class 5 Aggregate	
Sieve Size	**Total % Passing**
1" (25.0 mm)	100
3/4" (19 mm)	90-100
3/8" (9.5 mm)	50-90
#4 (4.75mm)	35-80
#10 (2.0 mm)	20-65
#40 (425 µm)	10-35
#200 (75 µm)	3-10

TABLE 1

C. One gradation per MnDOT Class 5 source shall be provided to the government **PRIOR TO HAULING.**

Crushed Rock Placement:

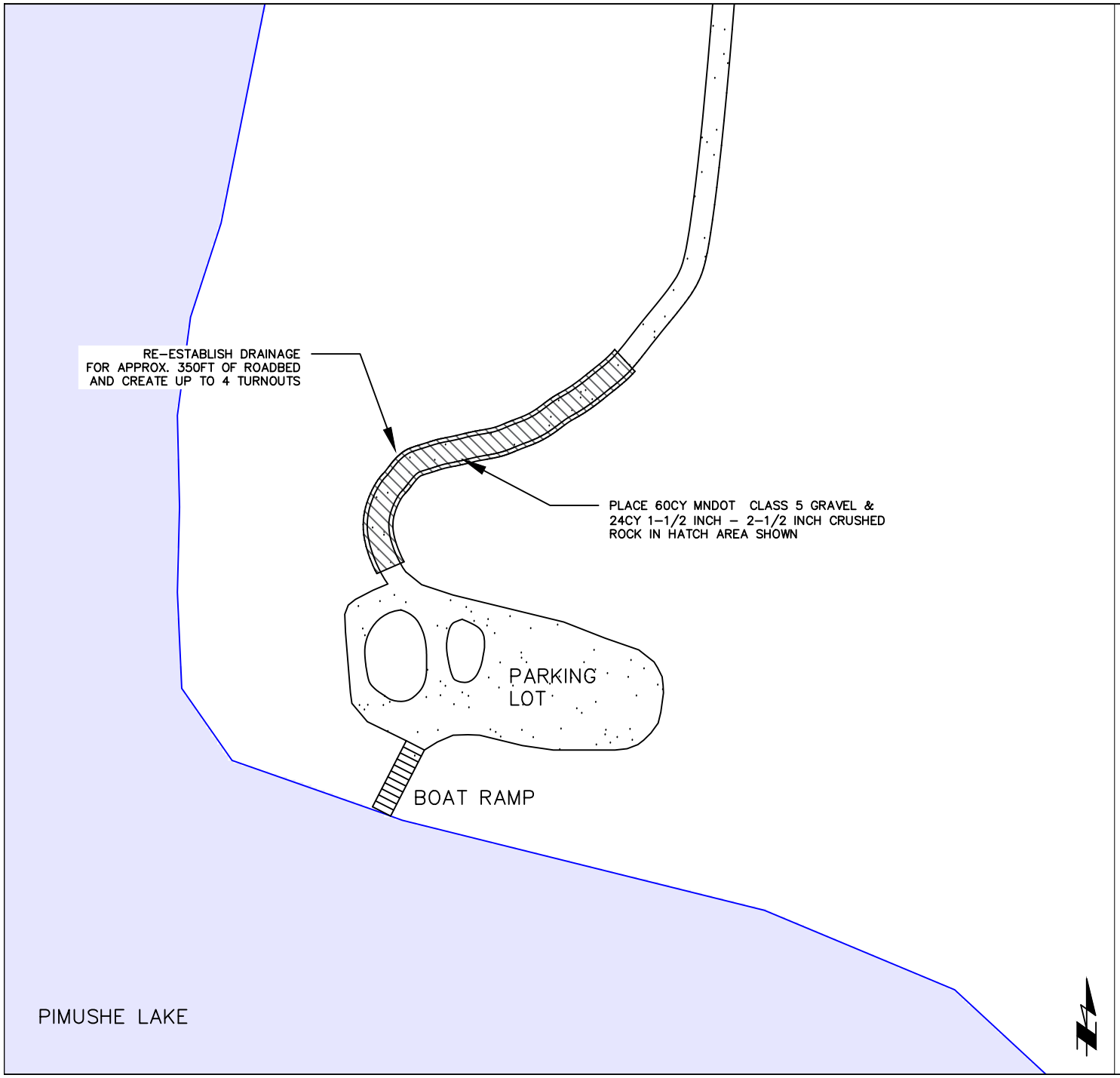
A. This work shall consist of providing, hauling and placing (spreading) 24 CY of 1-1/2" to 2-1/2" crushed rock.

B. Crushed rock shall be spread evenly on top of MnDOT Class 5 gravel as a means of reducing sediment washing and to stabilize the driving surface.
   a. Crushed rock shall be spread after gravel placement is complete. Placement location can be found on the drawings. Forest Service will stake location per contractor's request.

C. Crushed Rock shall be measured by the loose cubic yard delivered to the site.
   a. Contractor is required to submit load tickets to the Forest Service.

Government Provided Materials/Sources:

A. There are no government provided materials or sources for this project.



NOTES

1) VERIFY ALL DIMENSIONS AND LOCATIONS ON THE JOB. REPORT ALL DISCREPANCIES TO GOVERNMENT REPRESENTATIVE.

2) CALL BEFORE YOU DIG
GOPHER STATE ONE CALL
1-800-252-1166

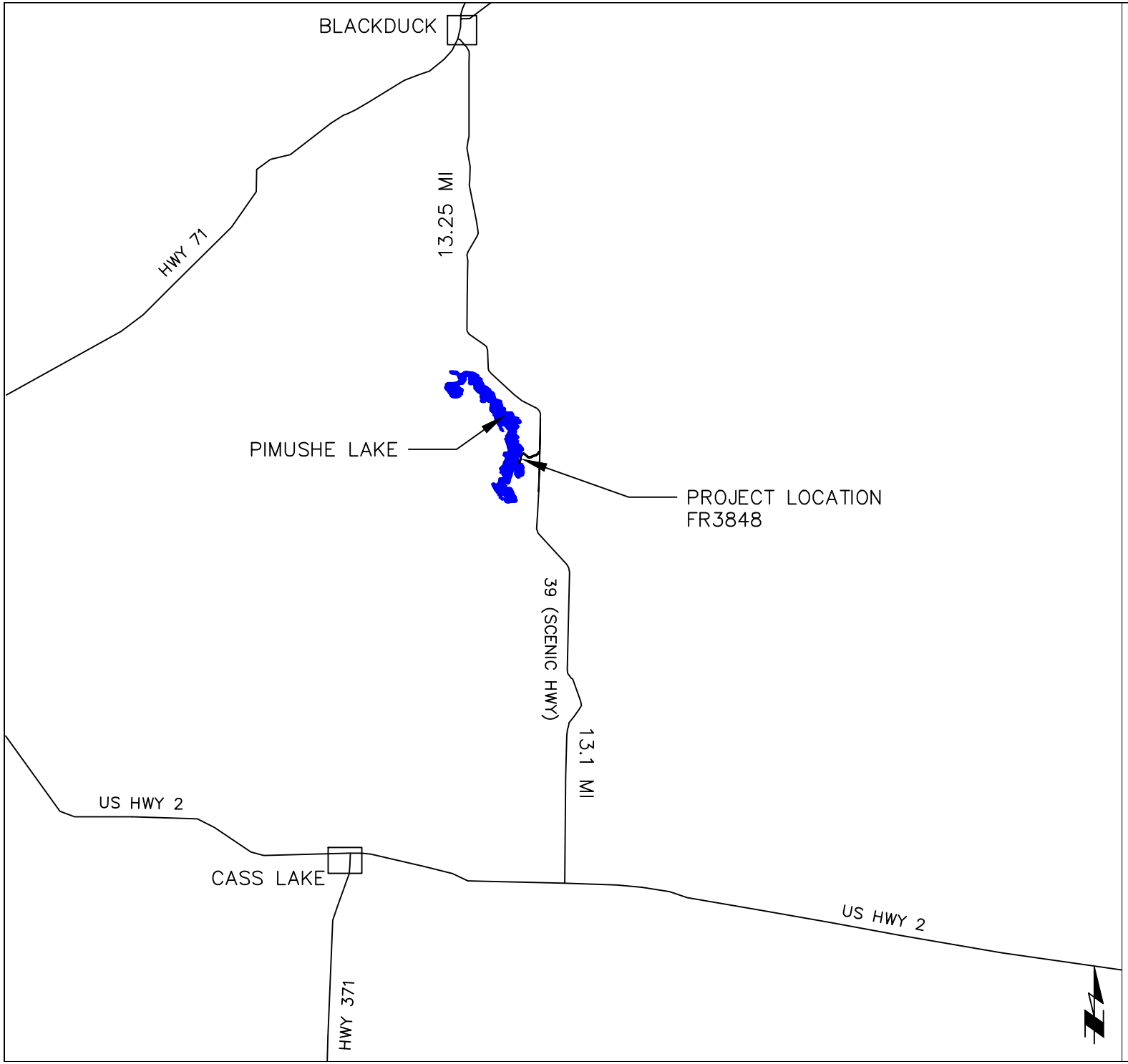
No.	Revision/Issue	Date
4		
3		
2		
1		

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
EASTERN REGION

Project Name
PIMUSHE LAKE ACCESS RD PROJECT
BLACKDUCK DISTRICT

Drawing Title
PROJECT DETAIL

Drawn T. MARSHALL	PIMUSHE LAKE ACCESS RD POJECT
Checked	Drawing No.
CAD File No. 10705	02 OF 02
Date 08/19/2019	
Scale 1" = 100'	



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Drawn T. MARSHALL	PIMUSHE LAKE ACCESS RD PROJECT
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