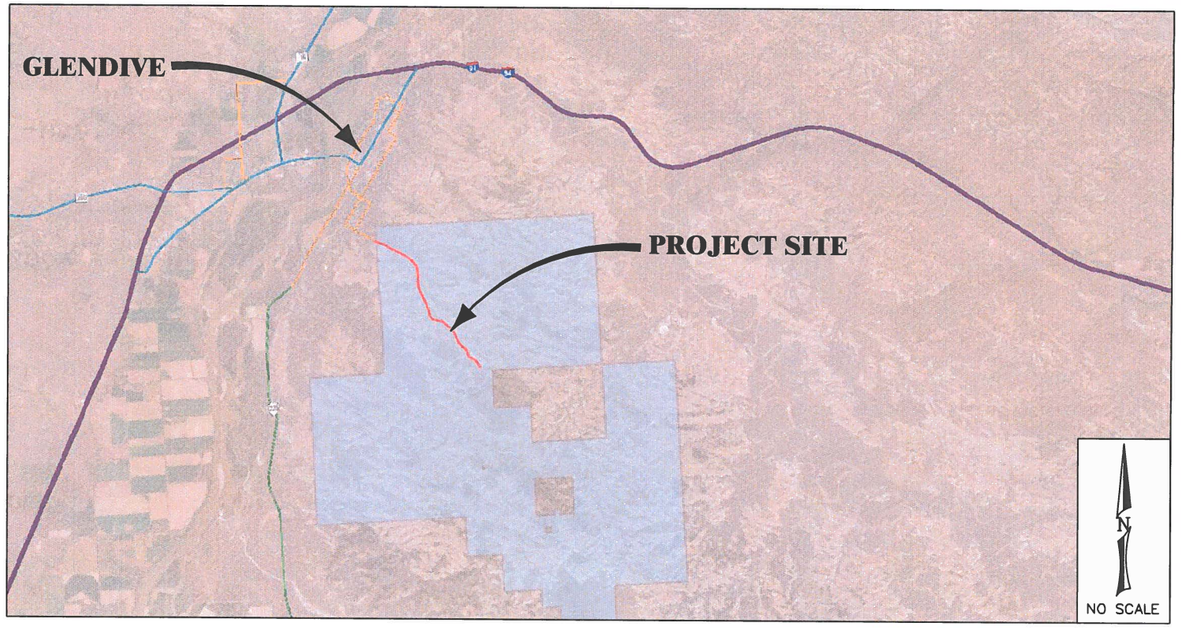
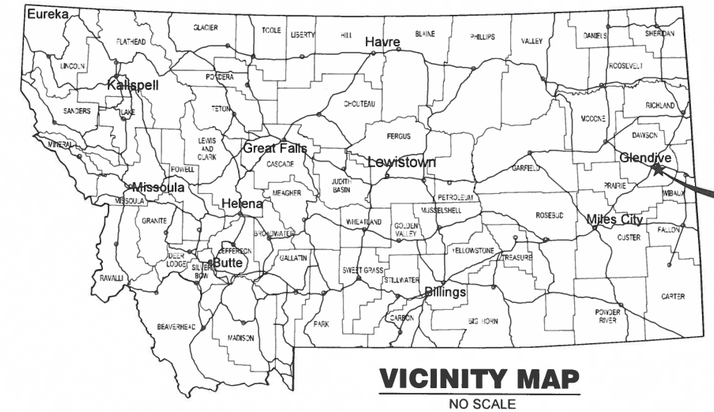
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
MT FISH, WILDLIFE & PARKS
FWP # 7176101

PROJECT LOCATION





VICINITY MAP
NO SCALE

SHEET INDEX

G001	SHEET INDEX, VICINITY MAP AND PROJECT LOCATION
C001	NOTES, LEGEND, AND ABBREVIATIONS
C002	PROJECT COORDINATES & CONTROL DATA
C101	EXISTING SITE OVERVIEW
CG101	MAKOSHIKA ROAD DRAINAGE PLAN
CG102	MAKOSHIKA ROAD DRAINAGE PLAN
CG103	MAKOSHIKA ROAD DRAINAGE PLAN
CG104	MAKOSHIKA ROAD DRAINAGE PLAN
CG105	MAKOSHIKA ROAD DRAINAGE PLAN
CG106	MAKOSHIKA ROAD DRAINAGE PLAN
CG107	MAKOSHIKA ROAD DRAINAGE PLAN
CG501	TYPICAL CULVERT INSTALLATION DETAILS
CG502	CULVERT INLET DETAILS
CG503	EROSION AND SEDIMENT CONTROL DETAILS
CG504	PLACED RIPRAP AT CULVERT OUTLETS
CG505	CONCRETE PIPE CULVERT INSTALLATION
CG506	PLASTIC PIPE CULVERT
CS101	MAKOSHIKA ROAD OVERVIEW
CS301	MAKOSHIKA ROAD PLAN AND PROFILE STA 0+00 TO 9+50
CS302	MAKOSHIKA ROAD PLAN AND PROFILE STA 9+50 TO 20+00
CS303	MAKOSHIKA ROAD PLAN AND PROFILE STA 20+00 TO 30+50
CS304	MAKOSHIKA ROAD PLAN AND PROFILE STA 30+50 TO 41+00
CS305	MAKOSHIKA ROAD PLAN AND PROFILE STA 41+00 TO 51+50
CS306	MAKOSHIKA ROAD PLAN AND PROFILE STA 51+50 TO 62+00
CS307	MAKOSHIKA ROAD PLAN AND PROFILE STA 62+00 TO 72+50
CS308	MAKOSHIKA ROAD PLAN AND PROFILE STA 72+50 TO 83+00
CS309	MAKOSHIKA ROAD PLAN AND PROFILE STA 83+00 TO 93+50
CS310	MAKOSHIKA ROAD PLAN AND PROFILE STA 93+50 TO 104+00
CS311	MAKOSHIKA ROAD PLAN AND PROFILE STA 104+00 TO 114+50
CS312	MAKOSHIKA ROAD PLAN AND PROFILE STA 114+50 TO 125+00
CS313	MAKOSHIKA ROAD PLAN AND PROFILE STA 125+00 TO 132+92
CS501	TYPICAL ROAD SECTIONS
CS502	TYPICAL ROAD SECTIONS
CS503	TYPICAL TRAIL SECTION
CS504	DETAILS
CS505	DETAILS
CS506	PIPE BEDDING AND BACKFILL

Prepared For: Montana Fish, Wildlife & Parks

Prepared By:

Robert Peccia & Associates, Inc.
3147 Saddle Drive
Helena, Montana 59601
406.447.5000
www.rpa-hln.com

MONTANA ROBERT B. MORTON 19789PE LICENSED PROFESSIONAL ENGINEER

Copyright 2018 Robert Peccia & Associates

SYM	REVISION	BY	APPR.	DATE

R. MORTON, PE — DESIGNED BY
G. LESOFSKI — DRAWN BY
J. KEY, PE — CHECKED BY
JUNE 2018 — DATE
17353 — PROJECT NO.
G001 — FILE

PROJECT TITLE: MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS *Glendive, Montana*

SHEET TITLE: SHEET INDEX, VICINITY MAP AND PROJECT LOCATION

SHEET G001

F:\wildfires\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\G001.dwg Jun 04, 2018

ABBREVIATIONS

ø	DIAMETER
@	AT
AB	ANCHOR BOLT, AGGREGATE BASE, ABANDONED
AC	ASBESTOS CEMENT
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ANC	ANCHOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BF	BLIND FLANGE, BUTTERFLY
BFF	BELOW FINISH FLOOR
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BM	BENCH MARK
BOC	BACK OF CURB
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
C	CHANNEL, CENTER
CI	CAST IRON, CURB INLET
CIP	CAST IRON PIPE, CAST-IN-PLACE
CIPP	CURED-IN-PLACE PIPE
C, CL	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CP	CONTROL POINT
CPE	CORRUGATED POLYETHYLENE PIPE
CPLG	COUPLING
CPVC	CHLORINATED POLYVINYL CHLORIDE
CSP	CORRUGATED STEEL PIPE
CV	CHECK VALVE
CY	CUBIC YARDS
DEPT	DEPARTMENT
DH	DRILL HOLE (SOIL BORING)
DI	DUCTILE IRON, DRAIN INLET
DIA	DIAMETER
DIMJ	DUCTILE IRON MECHANICAL JOINT
DIP	DUCTILE IRON PIPE
DR	DRAIN, DIMENSION RATIO
DWG	DRAWING
EA	EACH
EFF	EFFLUENT
ELEV, EL	ELEVATION
EMAT	EROSION CONTROL MAT
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EXT	EXTERIOR
E,EXST,EXIST	EXISTING
FAB	FABRICATION
FC	FLEXIBLE COUPLING
FCA	FLANGED COUPLING ADAPTER
FDN	FOUNDATION
FETS	FLARED END TERMINAL SECTION
FF	FINISHED FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHWA	FEDERAL HIGHWAYS ADMINISTRATION
FL	FLOOR, FLANGE, FLOW LINE
FM	FORCE MAIN
FOC	FACE OF CURB, FACE OF CONCRETE
FPT	FEMALE PIPE THREAD
FTG	FOOTING
FT	FOOT, FEET
G	GAS, GASKET
GA	GAUGE
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
HD	HEAVY DUTY; HOT-DIPPED
HDR	HEADER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HGT	HEIGHT
HT	HEIGHT
HYD	HYDRANT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IN	INCH
INFL	INFLUENT
INT	INTERIOR, INTERSECTION
INV	INVERT
L	ANGLE
LB(S)	POUND(S)
LF	LINEAL FOOT, LINEAR FEET
LT	LEFT
MAX	MAXIMUM
MC	MECHANICAL COUPLING
MDT	MONTANA DEPT. OF TRANSPORTATION
MECH	MECHANICAL
MEP	MILITARY EQUIPMENT PARKING
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM, MINUTE
MJ	MECHANICAL JOINT
MPWSS	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS
N	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAL	OVERALL LENGTH
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE, OVERFLOW
OHPWR	OVERHEAD POWER
P	PROPOSED
PC	POINT OF CURVATURE
PE	PLAIN END
PG	PERFORMANCE GRADE
PL	PROPERTY LINE, PLATE
PI	POINT OF INTERSECTION
POV	PRIVATELY OWNED VEHICLE
PROP	PROPERTY, PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PWR	UNDERGROUND POWER
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RPA	ROBERT PECCIA & ASSOCIATES
RPC	RED PLASTIC CAP
RR	RAILROAD
RT	RIGHT
RW	RIGHT-OF-WAY, RACEWAY
R/W	RIGHT-OF-WAY
S	SLOPE, SPIGOT
SCH	SCHEDULE
SD	STORM DRAIN
SDI	STORM DRAIN INLET
SDR	STANDARD DIMENSION RATIO
SECT	SECTION
SF/SQFT	SQUARE FOOT/FEET
SPEC	SPECIFICATIONS
SS	SANITARY SEWER, STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL, STEEL PIPE
T	TELEPHONE
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCH MARK
TEMP	TEMPERATURE, TEMPORARY
THD	THREADED
TOW	TOP OF WALL
TP	TEST PIT
TV	CABLE TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UGP	UNDERGROUND POWER
UPC	UNIFORM PLUMBING CODE
V	VENT, VOLT, VALVE
VC	VOICE/COMMUNICATIONS
VERT	VERTICAL
VERT	VERTICAL
W	WATER, WEST
W/	WITH
W/O	WITHOUT
WS	WATER SURFACE, WATER STOP
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
X	USED AS A VARIABLE
YD	YARD

LEGEND

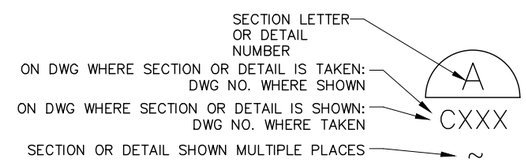
DESCRIPTION	
TELEPHONE	PH
UNDERGROUND ELECTRICAL	UG
OVERHEAD POWER	OH
GAS	GAS
WATER	W
GAS METER	GM
VALVES	WV
STREET LIGHT	
POWER POLE	
ELECTRICAL SERVICE METER	SM
TRANSFORMER	TF
TELEPHONE PEDESTAL	TP
TELEPHONE BOX	PB
YARD HYDRANT	
WELL	W
WATER VAULT/MANHOLE	W
CONTROL POINT	

LEGEND

DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY CONTROL POINT	#	
CONTOUR	3050 3051	3050 3051
SLOPE CATCH		
CULVERT		
OVERHEAD POWER	OH	
SIGN		
FENCE	x x x x x	
APPROX CONSTRUCTION LIMITS		

GENERAL NOTES

1. GENERAL NOTES, ABBREVIATIONS, AND LEGEND FOR SHEETS INVOLVING CIVIL WORK ARE SHOWN ON THIS SHEET. THIS IS A STANDARD LEGEND SHEET, THEREFORE SOME SYMBOLS AND ABBREVIATIONS MAY NOT APPEAR ON THIS SHEET AND SOME MAY NOT BE UTILIZED ON THIS PROJECT. CONTACT THE ENGINEER FOR ABBREVIATIONS AND SYMBOLS NOT LISTED.
2. UNLESS SPECIFICALLY SHOWN ON THESE DRAWINGS, ALL WORK WILL CONFORM TO MPWSS, LATEST EDITION.
3. WITH 48 HOURS NOTICE, BASE LINE POINTS OR OTHER CRITICAL HORIZONTAL CONTROL MAY BE OBTAINED FROM THE ENGINEER IN A NORTHING AND EASTING FORMAT CORRESPONDING WITH CONTROL POINTS. AUTOCAD BASE MAP WILL BE PROVIDED TO CONTRACTOR TO ASSIST IN LOCATING PERTINENT POINTS FOR CONSTRUCTION.
4. EXISTING UNDERGROUND INSTALLATIONS AND PRIVATE UTILITIES SHOWN ARE FROM THE BEST INFORMATION AVAILABLE. ACCURACY OF SUCH INFORMATION IS NOT GUARANTEED AND SHALL BE VERIFIED BY THE CONTRACTOR. SERVICE LINES (IRRIGATION, DATA, WATER, POWER, COMMUNICATIONS, GAS, STEAM, AND SEWER) MAY NOT BE STRAIGHT (DEPTH NOT EVEN) OR AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY EACH UTILITY COMPANY BEFORE EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY LOCATES.
5. CONTRACTOR SHALL FIELD VERIFY LINE AND GRADE OF EXISTING CONNECTIONS WELL IN ADVANCE OF MAKING THE CONNECTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS REQUIRED FOR THEIR CONSTRUCTION ACTIVITIES.
7. STORM DRAIN, SANITARY SEWER, AND WATER LINES SHALL BE SLOPED AT A UNIFORM GRADE BETWEEN ELEVATIONS SHOWN.
8. ALL EXISTING UTILITIES THAT ARE TO BE REMOVED SHALL BE CAPPED AND PLUGGED AT THEIR CUT TERMINATION POINTS.
9. FIRE DEPARTMENT ACCESS MUST BE PROVIDED TO ALL BUILDINGS DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY FITTINGS, COUPLINGS, AND SPOOL PIECES FOR CONNECTING NEW UTILITIES TO EXISTING UTILITIES. THESE PLANS MAY NOT SHOW ALL REQUIRED COMPONENTS FOR MAKING THE CONNECTIONS.
11. PHONE LINE TYPICALLY RUNS PARALLEL AND ADJACENT TO BURIED POWER. FIELD VERIFY.



DETAIL AND SECTION CALLOUT

ENLARGED FOR CLARITY

Copyright 2018© Robert Peccia & Associates

RPA

SYM	REVISION	BY	APPR.	DATE

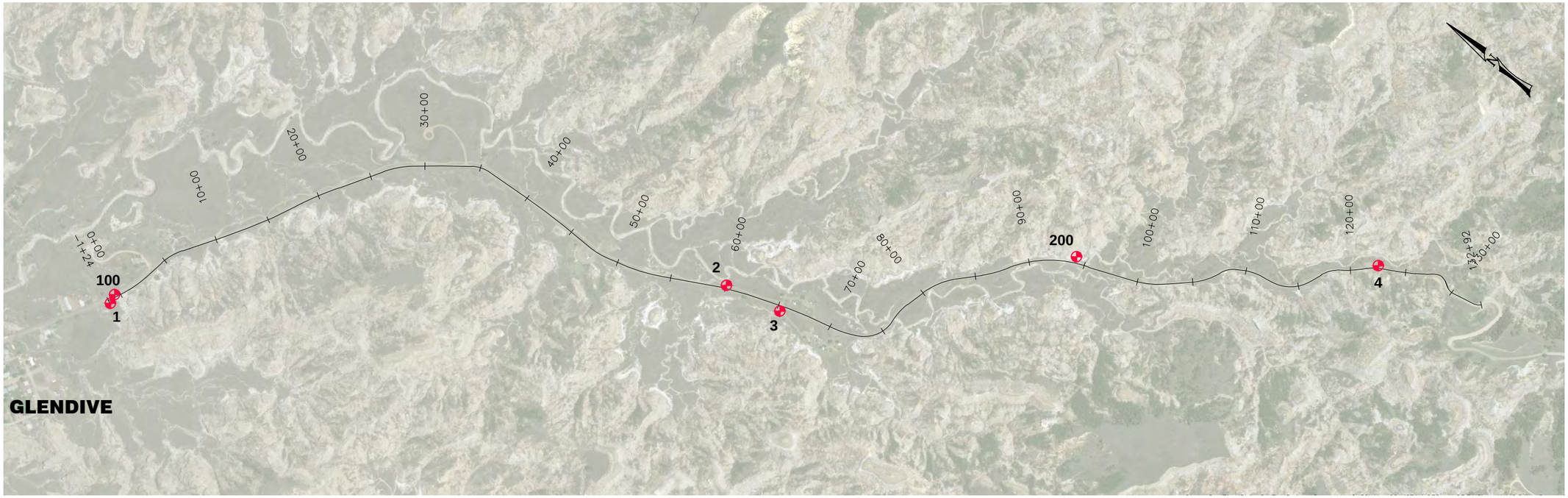
R. MORTON, PE — DESIGNED BY
G. LESOFSKI — DRAWN BY
J. KEY, PE — CHECKED BY
JUNE 2018 — DATE
17353 — PROJECT NO.
C001 — FILE

PROJECT TITLE
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
Glendive, Montana

SHEET TITLE
NOTES, LEGEND AND ABBREVIATIONS

SHEET
C001

F:\natrtrees\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\C001.dwg Jun 06, 2018



500 0 500 1000
(SCALE IN FEET)

Makoshika State Park RPA 2017 Final Control Point Table									
Montana State Plane Coordinates (2500) NAD83(2011) International Foot Definition NAVD 88 Elevations									
Point	Latitude(local)	Longitude(local)	Ellip Ht	Northing	Easting	Elevaton	Description	CSF	Convergence Angle
1	47°05'23.92215"	-104°42'34.52569"	2059.85	1071807.552	3160367.819	2113.79	Set RPA RPC 185ft SE of last house on E Snyder Ave, 31ft S of CL Makoshika Park Road	0.99929535	3°30'15"
2	47°04'40.37644"	-104°41'46.19200"	2100.93	1067611.210	3163974.313	2154.81	Set RPA RPC 530ft N of Entrance to Campground, 180ft SE of culvert, 27ft E of CL Road, 10ft W of CL bike path	0.99929313	3°30'50"
3	47°04'35.18717"	-104°41'44.89735"	2107.13	1067092.248	3164095.904	2161.00	Set RPA RPC 45ft W of Campground entrance, 23ft NE of CL exit road, 11ft W of W edge pvmt	0.99929281	3°30'51"
4	47°03'54.31583"	-104°40'55.01913"	2187.91	1063173.452	3167793.993	2241.70	Set RPA RPC 1000ft N of beginning of switchbacks, 40ft SE of edge of pullout, 21ft E of CL road, 125ft SE of powerdrop/pole	0.99928876	3°31'28"
100	47°05'24.08362"	-104°42'33.30229"	2059.13	1071829.043	3160451.266	2113.08	Found Mag-Nail 200ft E of last house on E Snyder Ave, 19ft W of Bench, 3ft SW of a light pole	0.99929539	3°30'16"
200	47°04'16.57490"	-104°41'16.80307"	2117.23	1065330.441	3166151.296	2171.06	Found BLM Aluminum Cap, 1/4 corner 66ft NE of CL road	0.99929223	3°31'12"

Metadata

Survey Performed by Robert Peccia and Associates - November 2017 Trimble R8-2 GPS
Control primarily established with and RTK methods:
Held OPUS return for CP 3
Held GPS RTK double tie results for all other control.
Montana State Plane Coordinates (2500) NAD83(2011) Epoch 2010.000 International Foot Definition based on OPUS solutions
NAVD 88 Elevations were computed using Geoid12B
Magnetic Declination: 08°39'E
RPA RPC - Set 5/8"x30" long rebar with 1 1/4" Red Plastic Cap marked "RPA CONTROL"
NGS - National Geodetic Survey
CSF - Combined Scale Factor
Mean CSF: 0.99929251

Copyright 2018©
Robert Peccia
& Associates

RPA

SYM	REVISION	BY	APPR.	DATE

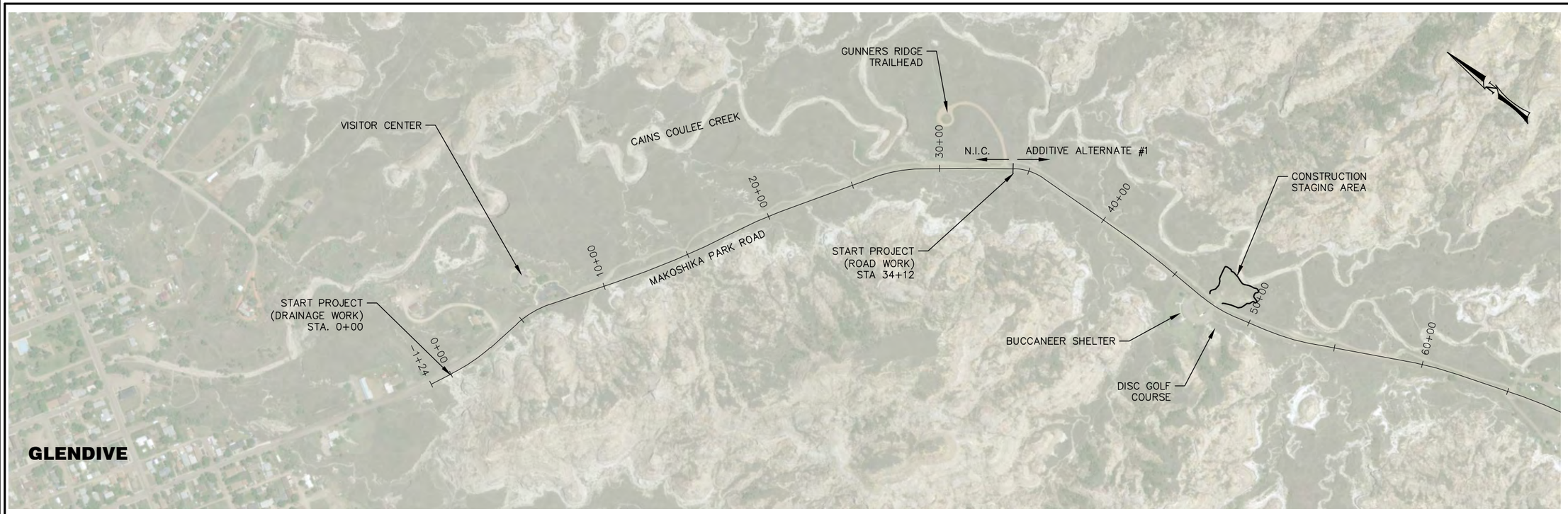
R. MORTON, PE — DESIGNED BY
G. LESOFSKI — DRAWN BY
J. KEY, PE — CHECKED BY
JUNE 2018 — DATE
17353 — PROJECT NO.
C002 — FILE

PROJECT TITLE
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
Glendive, Montana

SHEET TITLE
PROJECT COORDINATES & CONTROL DATA

SHEET
C002

F:\natfres\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\C002.dwg Jun 04, 2018



NOTES:

1. SEE SPEC FOR BREAKDOWN OF WORK ALTERNATES.

300 0 300 600
(SCALE IN FEET)

Copyright 2018© Robert Peccia & Associates

RPA

SYM	REVISION	BY	APPR.	DATE

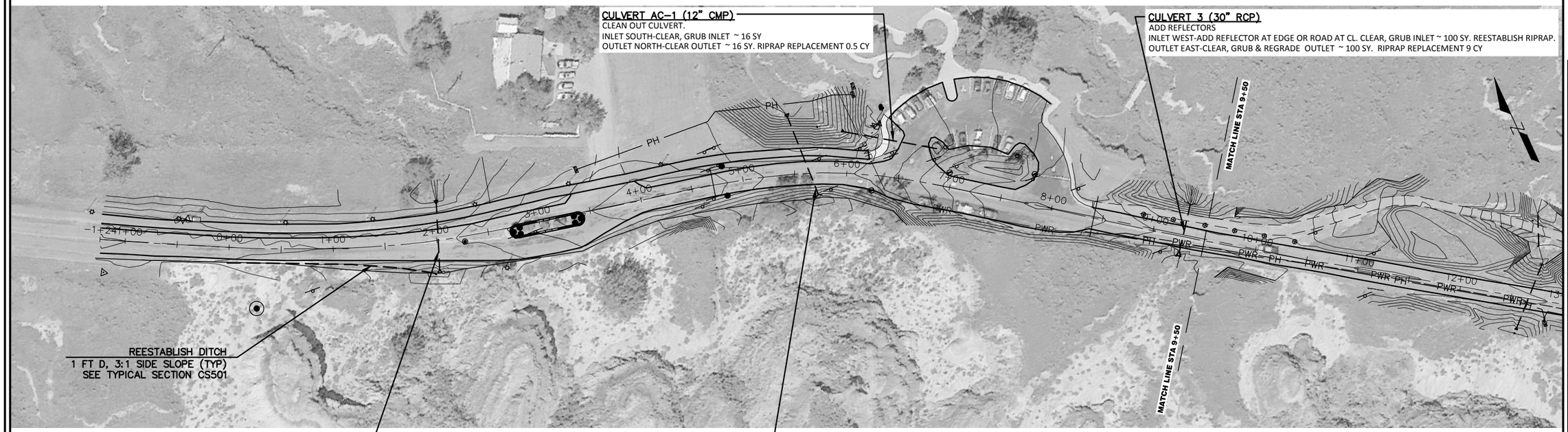
R. MORTON, PE — DESIGNED BY
G. LESOFSKI — DRAWN BY
J. KEY, PE — CHECKED BY
JUNE 2018 — DATE
17353 — PROJECT NO.
C101 — FILE

PROJECT TITLE
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
Glendive, Montana

SHEET TITLE
EXISTING SITE OVERVIEW

SHEET
C101
4 OF 37

F:\natfres\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\C101.dwg Jun 04, 2018



NOTES:

1. ALL CULVERTS ARE EXISTING UNLESS OTHERWISE NOTED.
2. DISPOSE OF ALL EXCESS MATERIAL OFFSITE.
3. REPLACE RIPRAP ACCORDING TO SHEET CG504.
4. REVIEW CULVERT ENDS WITH ENGINEER AFTER EXPOSING AND CLEANING. SEE SPECIAL PROVISIONS.
5. INSTALL FIBER ROLL PER SHEET CG503.

HORIZONTAL
50 0 50 100
(SCALE IN FEET)

CULVERT TC-1 (18" HDPE)
RESET EXIST CULVERT. REPLACE TRAIL SECTION.
INLET WEST-CLEAR, GRUB & REGRADE INLET ~ 36 SY. REPLACE RIPRAP 2 CY.
OUTLET EAST-CLEAR, GRUB & REGRADE OUTLET ~ 72 SY. REPLACE RIPRAP 2 CY.

CULVERT TC-2 (10" STL)
CLEAN OUT CULVERT.
INLET WEST-CLEAR REGRADE INLET. EMAT 4 SY
OUTLET EAST-CLEAR REGRADE OUTLET. EMAT 4 SY

CULVERT C5 (18" RCP)
DRAINAGE WORK
INLET WEST-CLEAR, GRUB & REGRADE INLET ~ 36 SY. REESTABLISH EXIST RIPRAP.
OUTLET EAST-CLEAR, GRUB & REGRADE OUTLET ~ 72 SY. REPLACE RIPRAP 3 CY.

Copyright 2018© Robert Peccia & Associates

RPA

SYM	REVISION	BY	APPR.	DATE

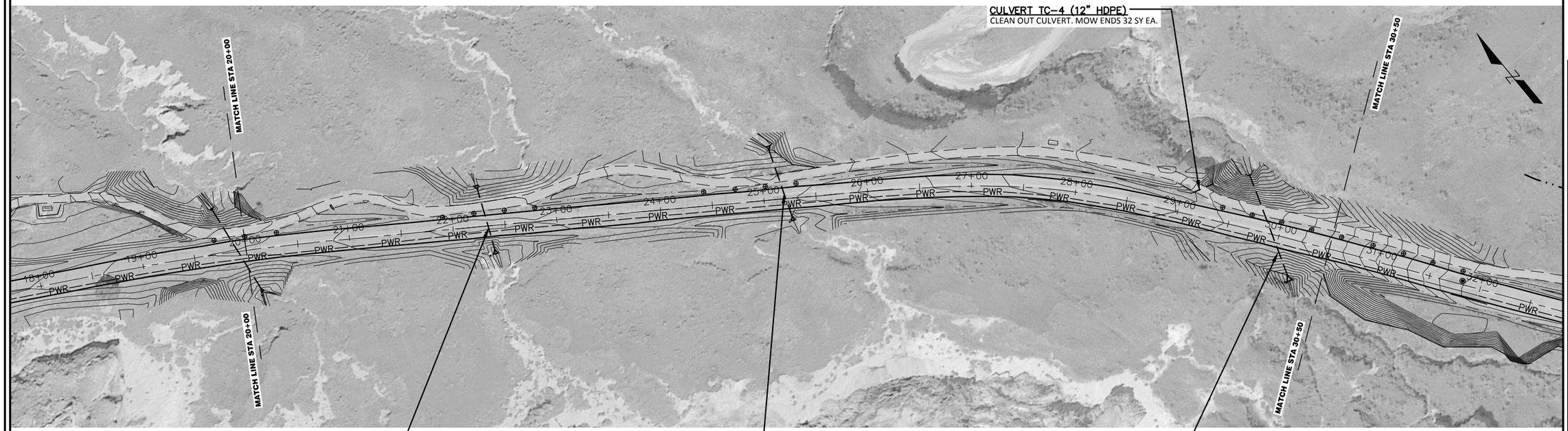
R. MORTON, PE — DESIGNED BY
G. LESOFSKI — DRAWN BY
J. KEY, PE — CHECKED BY
JUNE 2018 — DATE
17353 — PROJECT NO.
DRAINAGE OVERVIEWS — FILE

PROJECT TITLE
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
Glendive, Montana

SHEET TITLE
MAKOSHIKA ROAD DRAINAGE PLAN

SHEET
CG101

F:\Projects\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\DRAINAGE OVERVIEWS.dwg Jun 04, 2018



CULVERT TC-4 (12" HDPE)
CLEAN OUT CULVERT. MOW ENDS 32 SY EA.

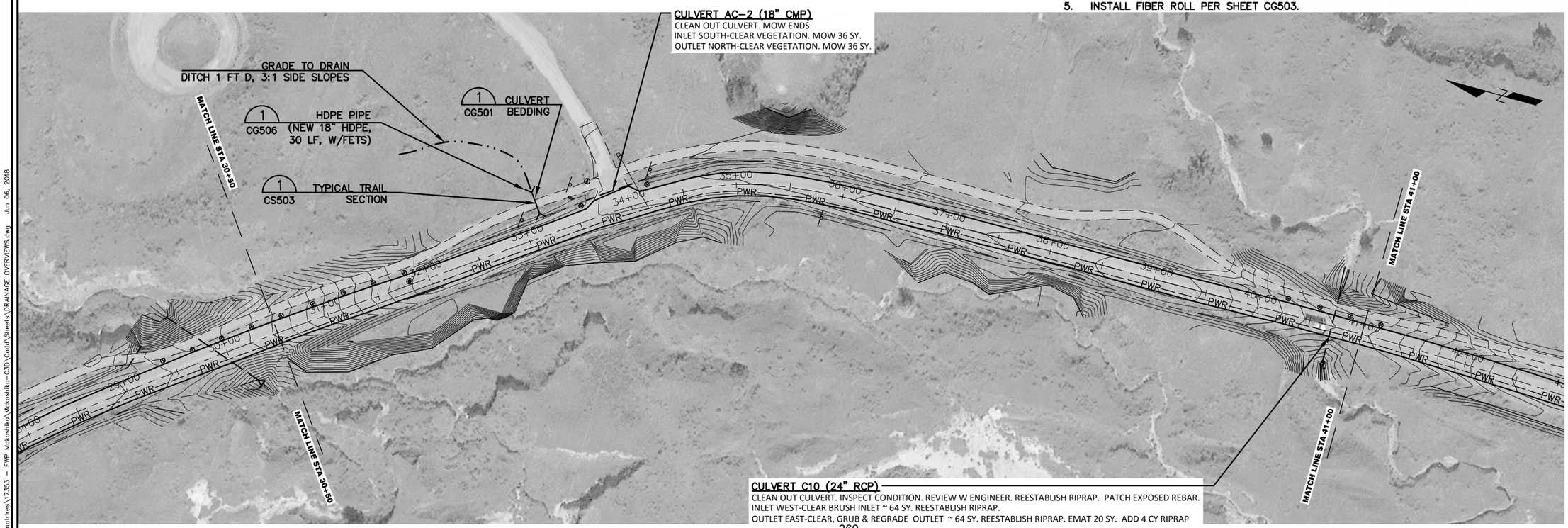
CULVERT C7 (30" RCP)
CLEAN OUT CULVERT. REESTABLISH RIPRAP.
INLET WEST-CLEAR BRUSH INLET ~ 100 SY. REESTABLISH RIPRAP.
OUTLET EAST-CLEAR, GRUB & REGRADE OUTLET ~ 100 SY. REESTABLISH RIPRAP. EMAT 10 SY.

CULVERT C8 (24" RCP)
RESET FETS. REESTABLISH RIPRAP.
INLET WEST-CLEAR BRUSH INLET. ~64 SY. REESTABLISH RIPRAP.
OUTLET EAST-RESET FETS OUTLET. REGRADE. ~64 SY. 4 CY RIPRAP. EMAT 10 SY.

CULVERT C9 (36" RCP)
CLEAN OUT CULVERT. INSPECT CONDITION. REVIEW W ENGINEER. REESTABLISH RIPRAP.
INLET WEST-CLEAR BRUSH INLET ~ 100 SY. REESTABLISH RIPRAP.
OUTLET EAST-CLEAR, GRUB & REGRADE OUTLET ~ 100 SY. REESTABLISH RIPRAP. EMAT 10 SY.

HORIZONTAL
50 0 50 100
(SCALE IN FEET)

NOTES:
1. ALL CULVERTS ARE EXISTING UNLESS OTHERWISE NOTED.
2. DISPOSE OF ALL EXCESS MATERIAL OFFSITE.
3. REPLACE RIPRAP ACCORDING TO SHEET CG504.
4. REVIEW CULVERT ENDS WITH ENGINEER AFTER EXPOSING AND CLEANING. SEE SPECIAL PROVISIONS.
5. INSTALL FIBER ROLL PER SHEET CG503.



CULVERT AC-2 (18" CMP)
CLEAN OUT CULVERT. MOW ENDS.
INLET SOUTH-CLEAR VEGETATION. MOW 36 SY.
OUTLET NORTH-CLEAR VEGETATION. MOW 36 SY.

CULVERT C10 (24" RCP)
CLEAN OUT CULVERT. INSPECT CONDITION. REVIEW W ENGINEER. REESTABLISH RIPRAP. PATCH EXPOSED REBAR.
INLET WEST-CLEAR BRUSH INLET ~ 64 SY. REESTABLISH RIPRAP.
OUTLET EAST-CLEAR, GRUB & REGRADE OUTLET ~ 64 SY. REESTABLISH RIPRAP. EMAT 20 SY. ADD 4 CY RIPRAP

Copyright 2018©
Robert Peccia
& Associates

RPA

SYM	REVISION	BY	APPR.	DATE

R. MORTON, PE — DESIGNED BY
JUNE 2018 — DATE
G. LESOFSKI — DRAWN BY
17353 — PROJECT NO.
J. KEY, PE — CHECKED BY
DRAINAGE OVERVIEWS — FILE

PROJECT TITLE
MAKOSHIKA STATE PARK ROAD INFRASTRUCTURE REPAIRS
Glendive, Montana

SHEET TITLE
MAKOSHIKA ROAD DRAINAGE PLAN

SHEET
CG102

F:\natires\17353 - FWP Makoshika\Makoshika-C3D\Cadd\Sheets\DRAINAGE OVERVIEWS.dwg Jun 06, 2018