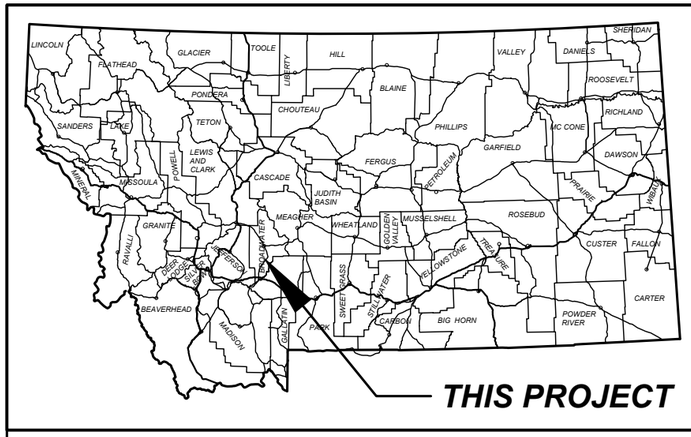
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT STPS 489-1(9)0

RESURFACING - ASHPALT

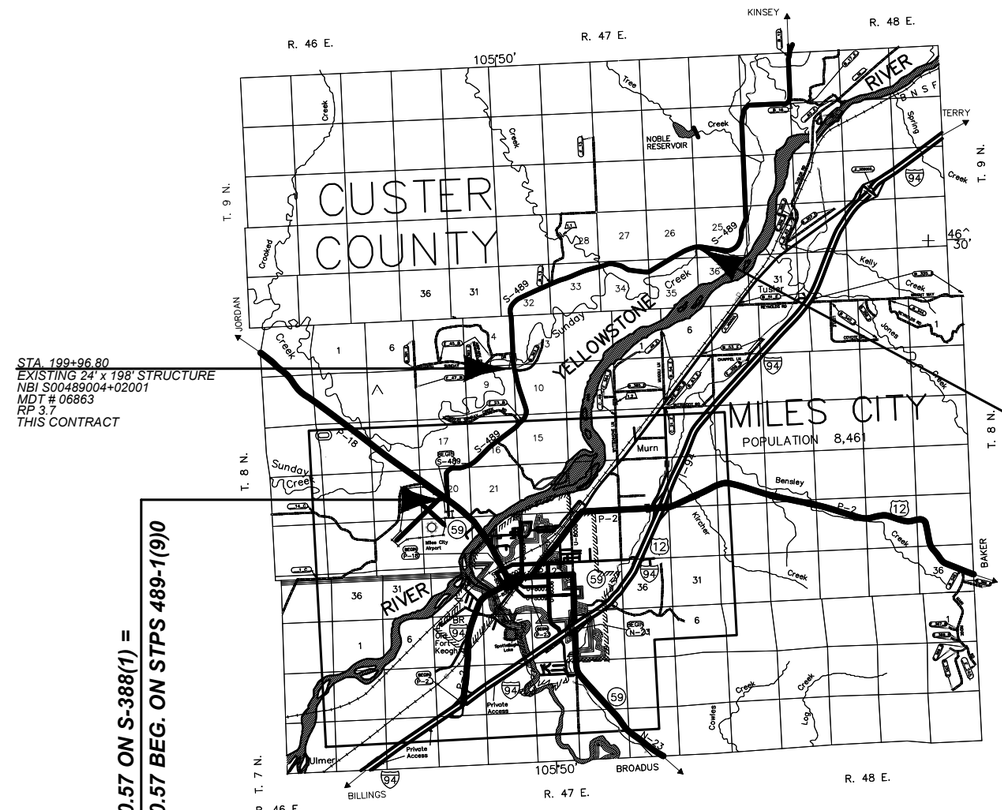
JCT MT 59-NORTHEAST (S-489)

CUSTER COUNTY

EROSION CONTROL PLANS

LENGTH 8.6 MILES

SURFACING SOURCES - CONTRACTOR FURNISHED



STA. 199+96.80
EXISTING 24' x 198' STRUCTURE
NBI S00489004+02001
MDT # 06863
RP 3.7
THIS CONTRACT

STA. 1+50.57 ON S-388(1) =
STA. 1+50.57 BEG. ON STPS 489-1(9)0

STA. 455+00.0 END ON STPS 489-1(9)0 =
STA. 455+00.0 ON S-388(1)

RP 0.0 TO RP 8.6
THIS CONTRACT

MONTANA
DEPARTMENT OF TRANSPORTATION

MALCOLM "MACK" LONG
DIRECTOR OF TRANSPORTATION

APPROVED BY:

HIGHWAYS ENGINEER

MONTANA
DAMIAN KRINGS
12113PE
LICENSED PROFESSIONAL ENGINEER

DATE

MONTANA
Department of Transportation

EROSION CONTROL PLANS

3/21/2024 4:33 PM

DESIGNED BY	A. BORSCHEL 3/21/24
REVIEWED BY	
CHECKED BY	
PROJECT NAME	JCT MT 59-NORTHEAST (S-489)
COUNTY	CUSTER
PROJECT ID	STPS 489-1(9)0
UPN	10227000
	10227000RDERT001.DWG

SHEET NO.
1

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EROSION AND SEDIMENT CONTROL BMP'S

REFER TO THE MOST CURRENT RELEASE OF MDT'S EROSION & SEDIMENT CONTROL BMP MANUAL

PEV (SS-1) SHOULD BE IDENTIFIED AND USED THROUGHOUT THE ENTIRE PROJECT IN ALL AREAS NOT DISTURBED BY CONSTRUCTION

TS (SS-3) AND ES (SS-4) SHOULD BE UTILIZED THROUGHOUT THE ENTIRE PROJECT

GENERAL BMP'S

- I/O — INLET/OUTLET PROTECTION
- WP — WATERWAY PROTECTION
- WR — WATER RESOURCE PROTECTION

TEMPORARY SOIL STABILIZATION BMP'S (SS)

- PEV — PRESERVATION OF EXISTING VEGETATION (SS-1)
- MC — MULCH COVER (SS-2)
- TS — TEMPORARY SEEDING (SS-3)
- ES — EROSION SEEDING (SS-4)
- SB — SOIL BINDERS (SS-5)
- REC — ROLLED EROSION CONTROL PRODUCTS (SS-6)
- SR — SURFACE ROUGHENING (SS-7)
- WE — WIND EROSION CONTROL (SS-8)

RUN-ON AND RUNOFF CONTROL (RC)

- ED/LD — EARTH DIKES/DRAINAGE SWALES/LINED DITCHES (RC-1)
- OVDD — OUTLET VELOCITY DISSIPATION DEVICES (RC-2)
- TSD — TEMPORARY SLOPE DRAINS (RC-3)

TEMPORARY SEDIMENT CONTROL BMP'S (SC)

- SF — SILT FENCE (SC-1)
- DB — DESILTING BASIN (SC-2)
- ST — SEDIMENT TRAP (SC-3)
- CD — CHECK DAMS (SC-4)
- DDB — DUGOUT DITCH BASIN (SC-5)
- FR — FIBER ROLLS (SC-6)
- CS — COMPOST SOCKS (SC-7)
- BB — BRUSH BARRIER (SC-8)
- SAND-B — SANDBAG BARRIER (SC-9)
- GBB — GRAVEL BAG BERM (SC-10)
- RB — ROCK FILTER BERM (SC-11)
- I/O — INLET/OUTLET PROTECTION (SC-12)

TRACKING CONTROL BMP'S (TC)

- SCEE — STABILIZED CONSTRUCTION ENTRANCE/EXIT (SC-13)
- SCR — STABILIZED CONSTRUCTION ROADWAY (SC-14)
- EOTW — ENTRANCE/OUTLET TIRE WASH (SC-15)

THE FOLLOWING BMP ALTERNATIVES ARE NOT COMPREHENSIVE AND DO NOT SUPERSEDE MDT CONTRACT REQUIREMENTS OR MANDATES AND REQUIREMENTS SPECIFIED BY OTHER AUTHORIZED LOCAL, STATE, AND FEDERAL AGENCIES.

I/O INLET/OUTLET PROTECTION

REC, FR, ED/LD, CS, RB, GBB, SAND-B, OVDD

WR WATER RESOURCE PROTECTION

FR, SF, REC, PEV, GBB, ES, TS, SAND-B, OVDD, I/O, TSD, RB

DT DITCH TREATMENT

TS, CD, OVDD, REC, SAND-B, ED/LD, GBB, DDB, TSD, CS

SHEET NO. 2

PROJECT NAME: JCT MT 59-NORTHEAST (S-489)
COUNTY: CUSTER
PROJECT ID: STPS 489-1(9)0
UPN: 10227000

DESIGNED BY: A. BORSCHEL 3/21/24
REVIEWED BY:
CHECKED BY:

MONTANA Department of Transportation

EROSION CONTROL PLANS

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SHEET NO. 3

PROJECT NAME	JCT MT 59-NORTHEAST (S-489)
COUNTY	CUSTER
PROJECT ID	STPS 489-1(9)0
UPN	10227000

DESIGNED BY	A. BORSCHEL 3/21/24
REVIEWED BY	
CHECKED BY	

MONTANA
Department of Transportation

EROSION CONTROL PLANS

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T. 9 N.
R. 47 E.
SEC. 34

W4
DELINEATED AREA = 0.123 ac
TEMP. IMPACTED AREA = 0.009 ac
PERM. IMPACTED AREA = 0.000 ac

EX. R/W

REMOVE EXISTING 190" X 118"
DBL SSPPA

STA. 350+91.50
EXCAVATION LIMIT

NEW 13' X 12' DBL RCB

EST. TEMP. SHOULDER
WIDENING LIMIT

STA. 351+50
DOUBLE 190" X 118" SSPPA
REMOVE

STA. 351+50
NEW 13' X 12' DBL RCB
SKEW 9° LT.
2:1 SLOPED ENDS
CONC. EDGE PROTECTION LT. & RT.
CONC. CUTOFF WALL LT. & RT.
CONC. SILL RT.

STA. 352+14.50
EXCAVATION LIMIT

EST. TEMP. SHOULDER
WIDENING LIMIT

W5
DELINEATED AREA = 0.136 ac
TEMP. IMPACTED AREA = 0.025 ac
PERM. AREA = 0.004 ac

EX. R/W

160'

400'

WL

FO

SHEET NO.
4

PROJECT NAME: JCT MT 59-NORTHEAST (S-489)
COUNTY: CUSTER
PROJECT ID: STPS 489-1(9)0
UPN: 10227000

DESIGNED BY: A. BORSCHEL 3/21/24
REVIEWED BY:
CHECKED BY:

MONTANA
Department of Transportation

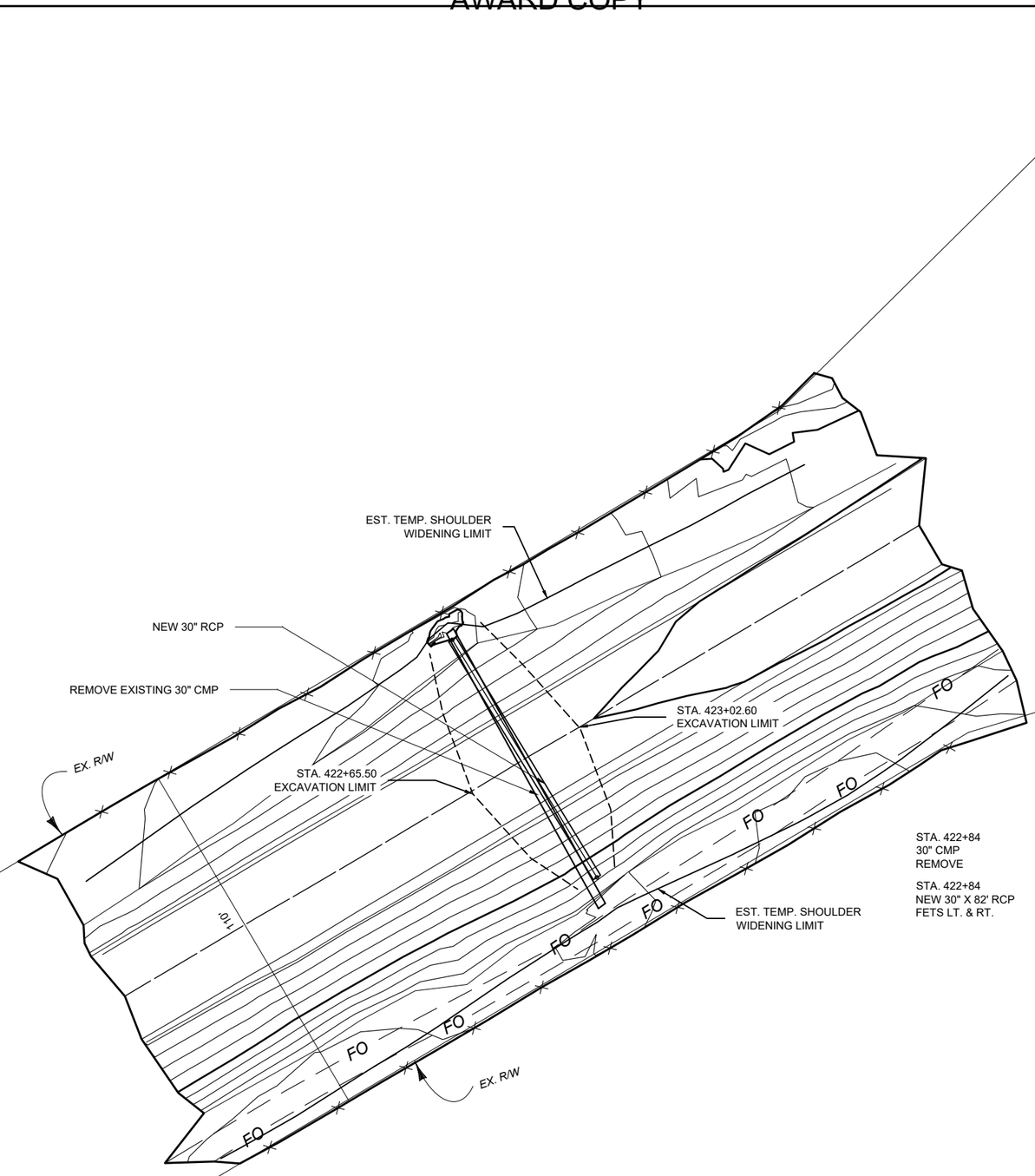
EROSION CONTROL PLANS

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SHEET NO.
5

SITE 3 &
30" RCP GENERAL LAYOUT
RP 7.903

PROJECT NAME: JCT MT 59-NORTHEAST (S-489)
COUNTY: CUSTER
PROJECT ID: STPS 489-1(9)0
UPN: 10227000

DESIGNED BY: A. BORSCHEL 3/21/24
REVIEWED BY:
CHECKED BY:

MONTANA
Department of Transportation

EROSION CONTROL PLANS

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