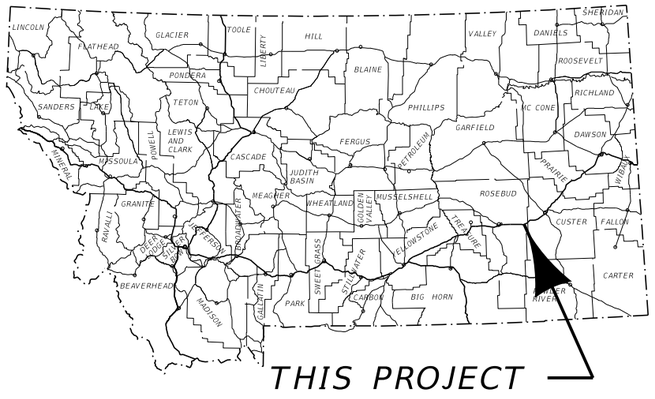
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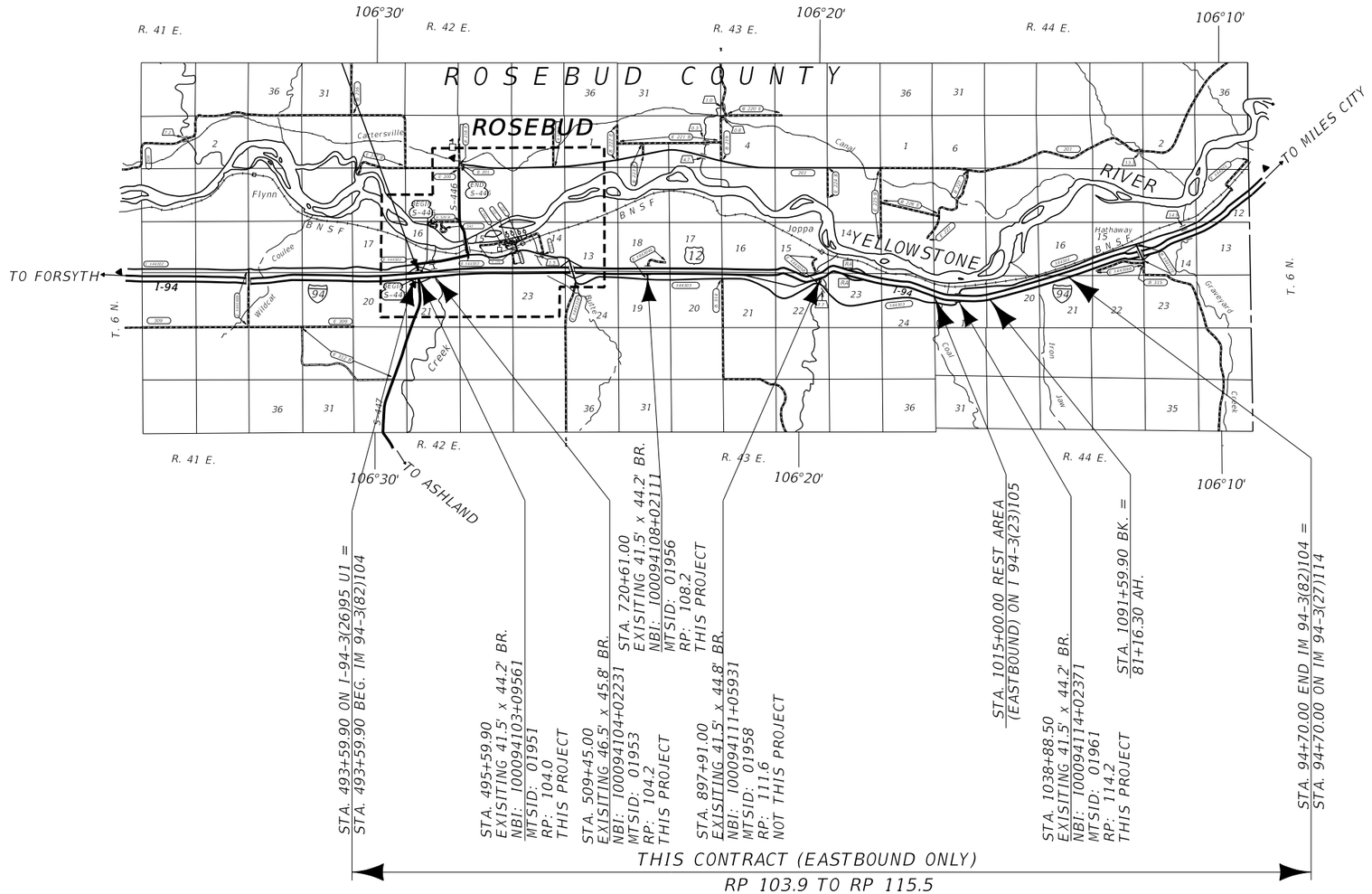


MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT IM 94-3(82)104
RESURFACING MILL & OVERLAY (EB ONLY)
ROSEBUD INTERCHANGE - EAST
ROSEBUD COUNTY
EROSION CONTROL PLANS

LENGTH 11.6 MILES

SURFACING SOURCES – CONTRACTOR FURNISHED



3	MONTANA Department of Transportation	C:\DGN\9403000rdert001.dgn	
2		8/15/2023	
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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
- CS
- SAND-B
- FR
- RB
- OVDD
- ED/LD
- GBB

WR — WATER RESOURCE PROTECTION

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

DT — DITCH TREATMENT

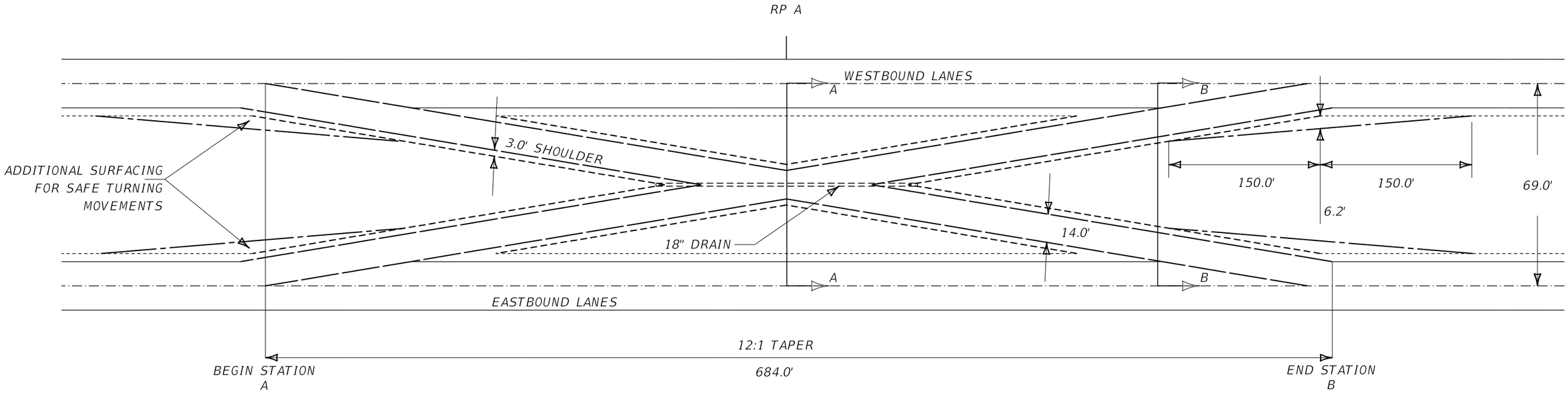
- TS
- REC
- GBB
- CS
- CD
- SAND-B
- DDB
- OVDD
- ED/LD
- TSD

NOTE: BMP STATIONING IS APPROXIMATE

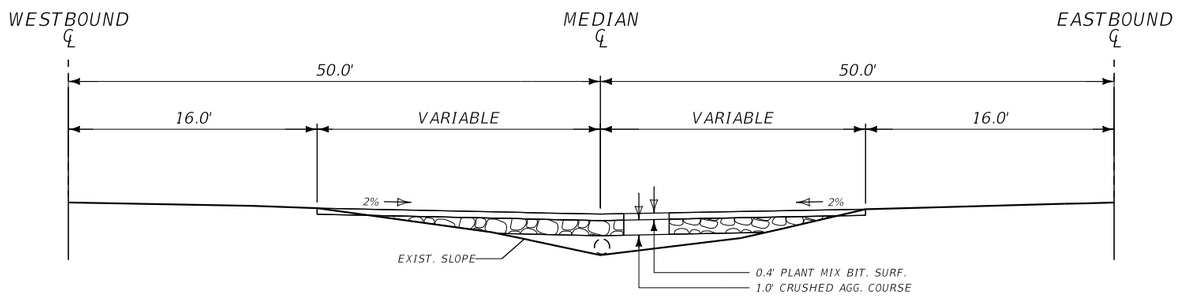
CONSTRUCTION LIMITS:
CUT SECTION
TOE OF FILL

AWARD COPY

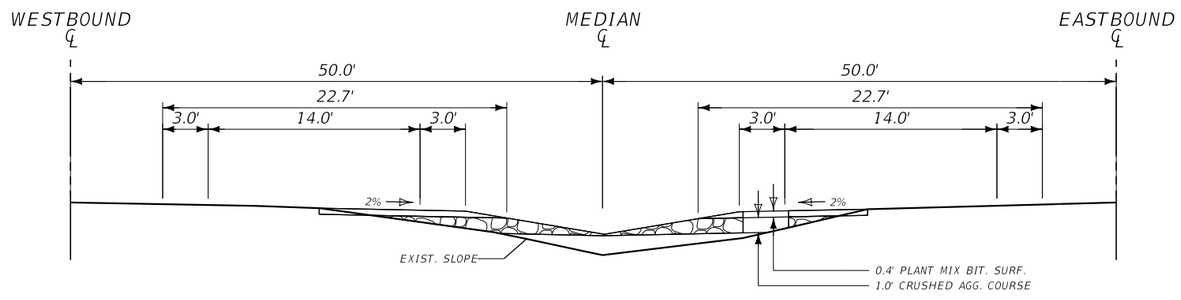
DETAIL



PLAN VIEW



SECTION A-A



SECTION B-B

QUANTITIES FOR ONE MEDIAN CROSSOVER
(FOR INFORMATION PURPOSES ONLY)

PLANT MIX BIT. SURF. = 758.0 TONS
CRUSHED AGG. COURSE = 980 YD³
EMB. IN PLACE = 460 YD³
18" DR. = 340 LINEAR FT
R.A.C.E.T = 2 EACH
CABLE RAIL = 192 LINEAR FT
CABLE RAIL TERMINAL SECT. = 2 EACH

MEDIAN CROSSOVER

RP A	BEGIN STATION A	END STATION B	REMARKS
115.7	107+65	114+49	EAST END- OFF PROJECT

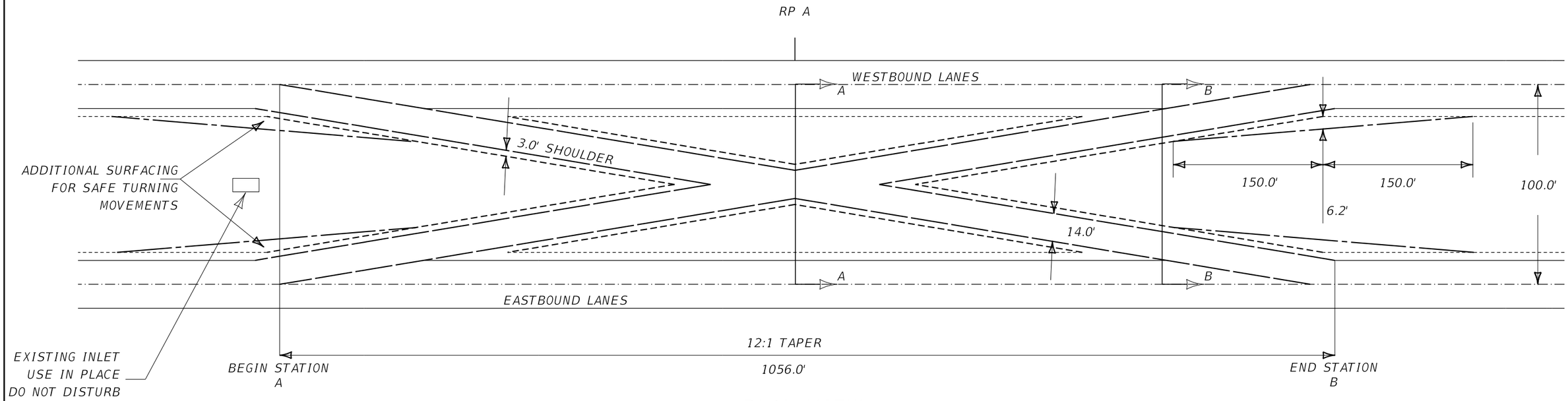
12:1 MEDIAN CROSSOVER
EB & WB

NO SCALE

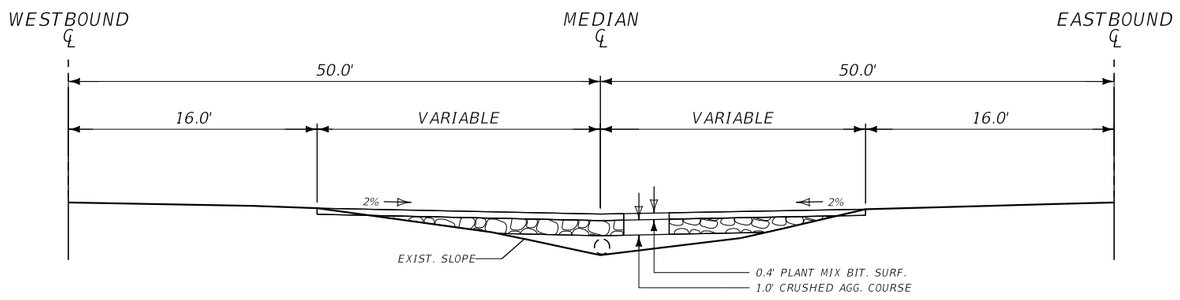
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2		8/15/2023	ROSEBUD COUNTY	UPN 9403000	E3
1		11:57:12 AM CPS - U6564			

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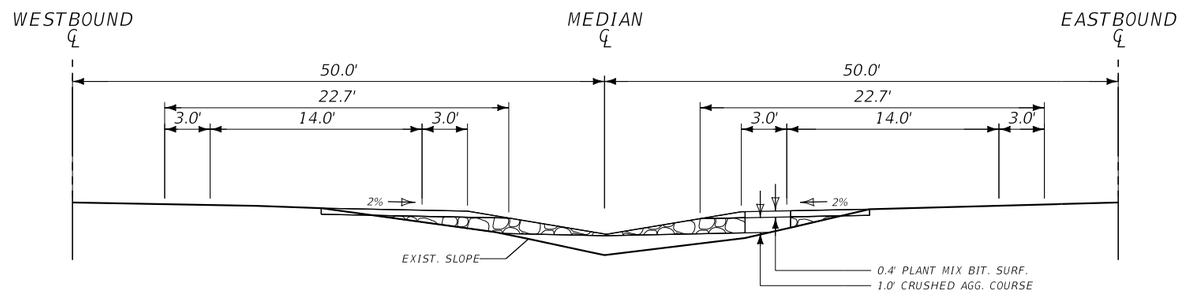
DETAIL



PLAN VIEW



SECTION A-A



SECTION B-B

QUANTITIES FOR ONE MEDIAN CROSSOVER
(FOR INFORMATION PURPOSES ONLY)

PLANT MIX BIT. SURF. = 1176.0 TONS
CRUSHED AGG. COURSE = 1526 YD^3
EMB. IN PLACE = 3960 YD^3
CABLE RAIL = 212 LINEAR FT
CABLE RAIL TERMINAL SECT. = 2 EACH

MEDIAN CROSSOVER

RP A	BEGIN STATION A	END STATION B	REMARKS
103.0	432+59	443+15	WEST END- OFF PROJECT

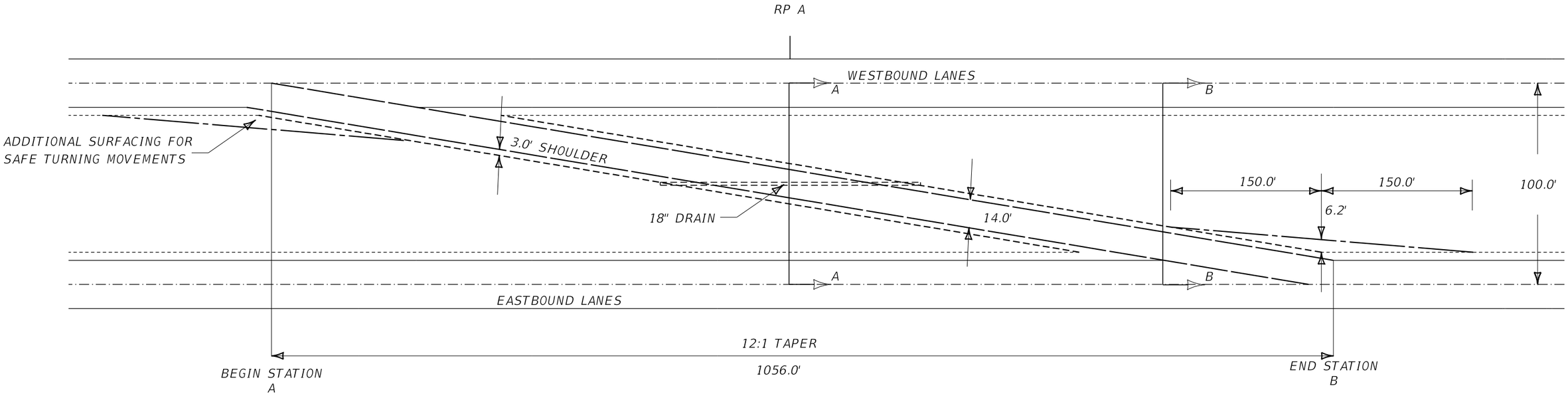
12:1 MEDIAN CROSSOVER EB & WB

NO SCALE

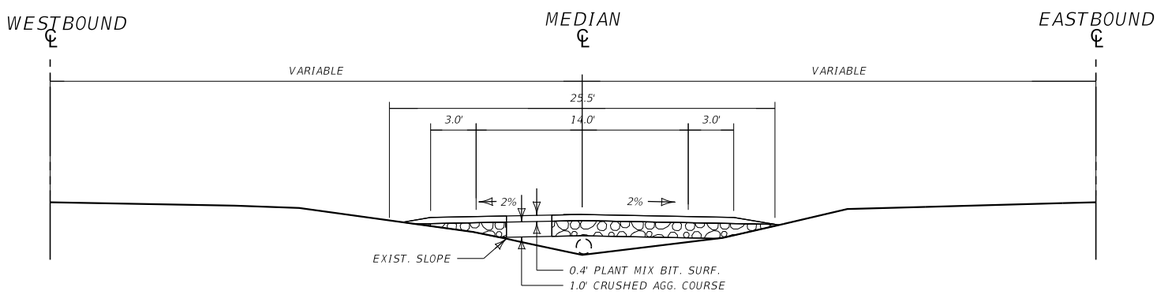
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2		8/15/2023	ROSEBUD COUNTY	UPN 9403000	E4
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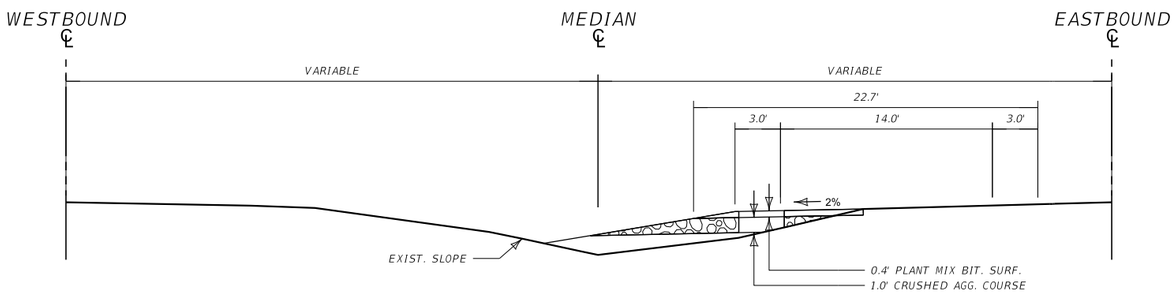
DETAIL



PLAN VIEW



SECTION A-A



SECTION B-B

QUANTITIES FOR ONE MEDIAN CROSSOVER
(FOR INFORMATION PURPOSES ONLY)

PLANT MIX BIT. SURF. = 574.6 TONS
CRUSHED AGG. COURSE = 745 YD^3
EMB. IN PLACE = 460 YD^3
18" DR. = 340 LINEAR FT
R.A.C.E.T = 2 EACH

RAMP MEDIAN CROSSOVER

RP A	BEGIN STATION A	END STATION B	REMARKS
106.6	619+65	630+21	EXIT RAMP-EAST ROSEBUD INTERCHANGE

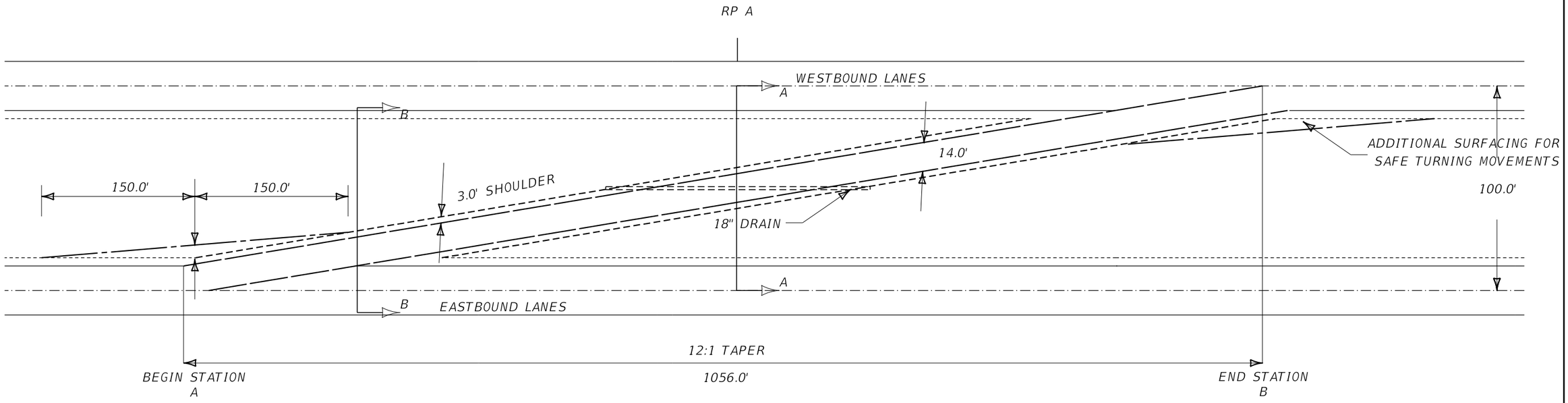
12:1 MEDIAN CROSSOVER EXIT RAMP

NO SCALE

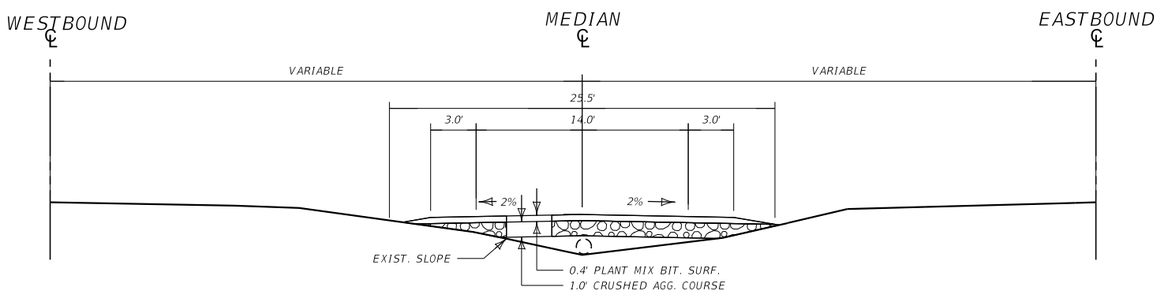
3	MONTANA Department of Transportation	C:\DGN\9403000rdero012.dgn	EROSION CONTROL PLANS	ROSEBUD INTERCHANGE - EAST	IM 94-3(82)104
2		8/15/2023	ROSEBUD COUNTY	UPN 9403000	E5
1		11:57:20 AM CPS - U6564			

AWARD COPY

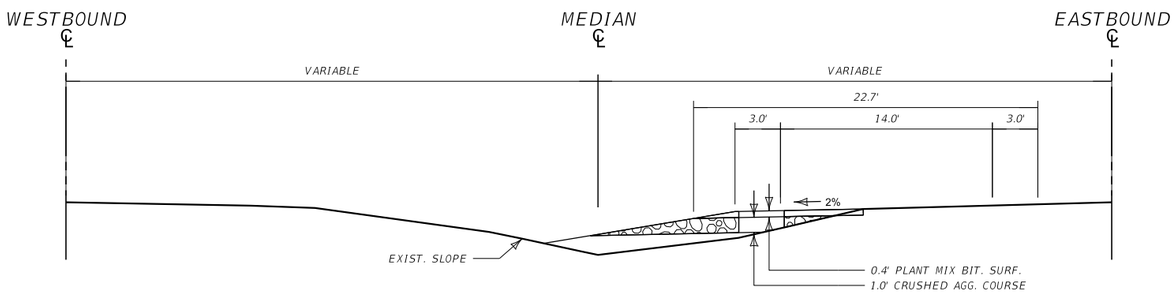
DETAIL



PLAN VIEW



SECTION A-A



SECTION B-B

QUANTITIES FOR ONE MEDIAN CROSSOVER
(FOR INFORMATION PURPOSES ONLY)

PLANT MIX BIT. SURF. = 507.7 TONS
CRUSHED AGG. COURSE = 658 YD^3
EMB. IN PLACE = 1370 YD^3
18" DR. = 340 LINEAR FT
R.A.C.E.T = 2 EACH

RAMP MEDIAN CROSSOVER

RP A	BEGIN STATION A	END STATION B	REMARKS
107.3	657+55	668+11	ENTER RAMP-EAST ROSEBUD INTERCHANGE

12:1 MEDIAN CROSSOVER
ENTRANCE RAMP

NO SCALE

3	MONTANA Department of Transportation	C:\DGN\9403000rdero013.dgn	EROSION CONTROL PLANS	ROSEBUD INTERCHANGE - EAST	IM 94-3(82)104
2		8/15/2023	ROSEBUD COUNTY	UPN 9403000	E6
1		11:57:29 AM CPS - U6564			

646+50

STA. 657+55 TO 688+11
ENTRANCE RAMP CROSSOVER
SEE DETAIL

STA. 720+61.00
EXISITING 41.5' x 44.2' BR.
NBI: I00094108+02111
MTSID: 01956
RP: 108.2
THIS PROJECT

799+50

STA. 432+59 TO 443+15
MEDIAN CROSSOVER
SEE DETAIL

493+59.90 BEG. OF PROJECT

STA. 495+59.90
EXISITING 41.5' x 44.2' BR.
NBI: I00094103+09561
MTSID: 01951
RP: 104.0
THIS PROJECT

STA. 509+45.00
EXISITING 46.5' x 45.8' BR.
NBI: I00094104+02231
MTSID: 01953
RP: 104.2
THIS PROJECT

STA. 619+65 TO 630+21
EXIT RAMP CROSSOVER
SEE DETAIL

646+50

AWARD COPY

3
2
1

MONTANA
Department of Transportation

C:\DGN\9403000rdero013.dgn
8/15/2023
11:57:33 AM
CPS - U656

EROSION CONTROL PLANS
ROSEBUD COUNTY

ROSEBUD INTERCHANGE - EAST
UPN 9403000

IM 94-3(82)104
E7

AWARD COPY

799+50

STA. 897+91.00
EXISITING 41.5' x 44.8' BR.
NBI: 100094111+05931
MTSID: 01958
RP: 111.6
NOT THIS PROJECT

952+50

952+50

STA. 1038+88.50
EXISITING 41.5' x 44.2' BR.
NBI: 100094114+02371
MTSID: 01961
RP: 114.2
THIS PROJECT

EQUATION
1091+59.90 BK = 811+16.30 AH

94+70 END OF PROJECT

STA. 107+65 TO 114+49
MEDIAN CROSSOVER
SEE DETAIL

3	MONTANA Department of Transportation	C:\DGN\9403000rdero013.dgn	EROSION CONTROL PLANS		ROSEBUD INTERCHANGE - EAST	IM 94-3(82)104
2		8/15/2023	ROSEBUD COUNTY		UPN 9403000	E8
1		11:57:37 AM CPS - U6564				