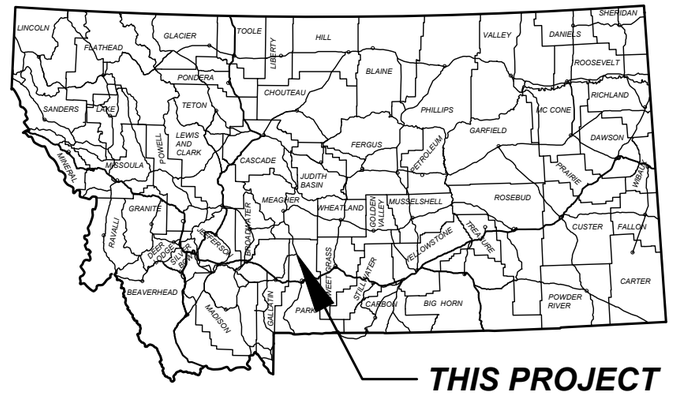
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




# MONTANA DEPARTMENT OF TRANSPORTATION

# FEDERAL AID PROJECT STPP 59-1(30)20

# WILSALL-N & S

# MILL & OVERLAY, SEAL & COVER, ADA IMPROVEMENTS

# PARK COUNTY

**LENGTH 4.1 MILES**

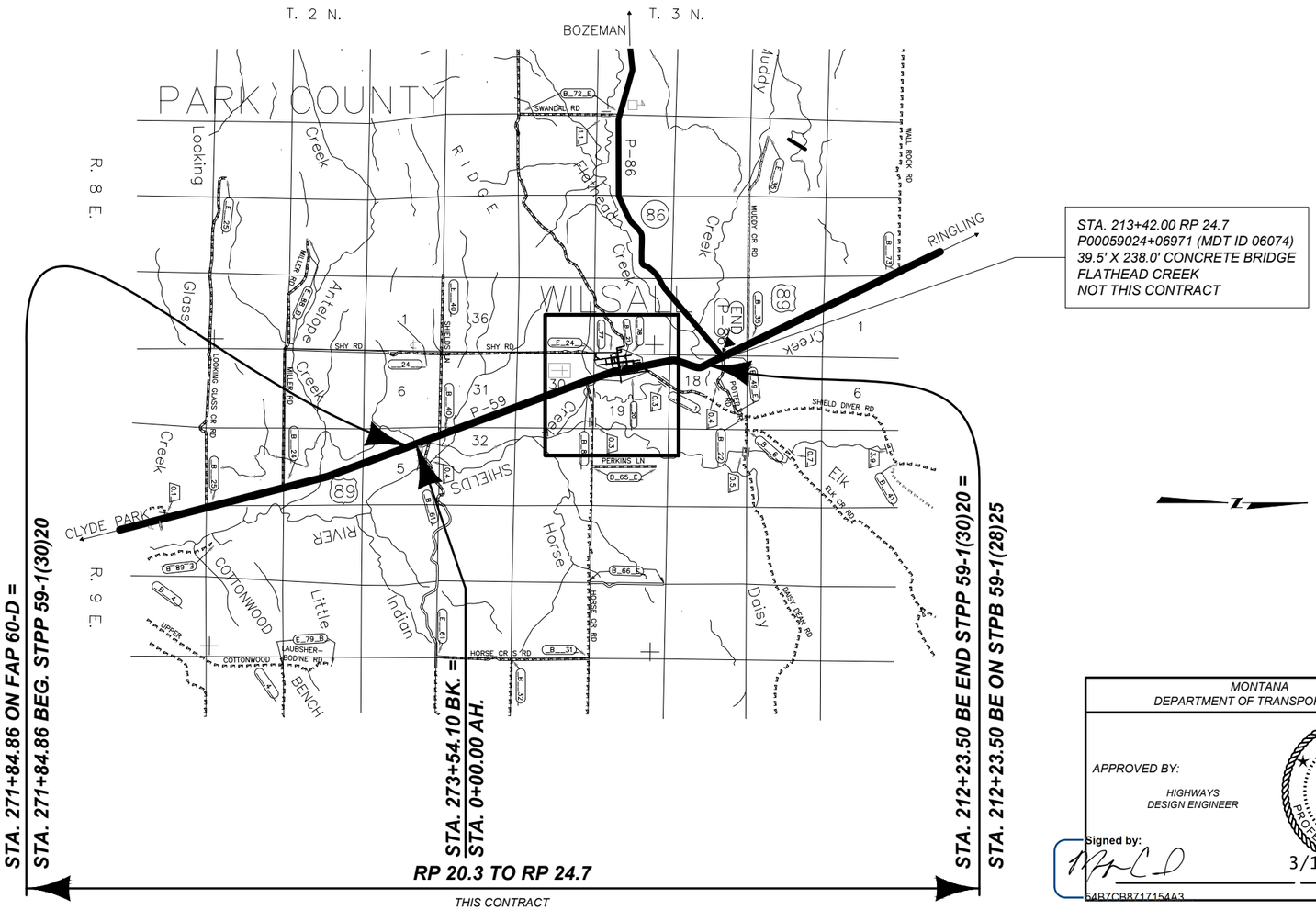
## PROJECT DESIGN DATA

| | | | |
|---|---|---|---|
| PRESENT | 2021 | A.D.T. = | 1,080 |
| LETTING | 2023 | A.D.T. = | 1,120 |
| DESIGN | 2043 | A.D.T. = | 1,570 |
| | | D.H.V. = | 200 |
| | | TRUCKS = | 10.5% |
| | | V. = | N/A |
| | | DAILY 18 KIP ESAL'S = | 57 |
| | | ANNUAL GROWTH RATE = | 1.7% |

| ASSOCIATED PROJECT AGREEMENT NUMBERS | |
|---|---|
| R/W | |
| I.C. | |
| P.E. | STPP 59-1(29)20 |

| RELATED PROJECTS |
|---|
| STPP 59-1(32)25<br>STPP 86-1(71)31 |

SURFACING SOURCES -
CONTRACTOR FURNISHED




STA. 213+42.00 RP 24.7
P00059024+06971 (MDT ID 06074)
39.5' X 238.0' CONCRETE BRIDGE
FLATHEAD CREEK
NOT THIS CONTRACT

**STA. 271+84.86 ON FAP 60-D =**
**STA. 271+84.86 BEG. STPP 59-1(30)20**

**STA. 273+54.10 BK. =**
**STA. 0+00.00 AH.**

**STA. 212+23.50 BE END STPP 59-1(30)20 =**
**STA. 212+23.50 BE ON STPB 59-1(28)25**

**RP 20.3 TO RP 24.7**

THIS CONTRACT

MONTANA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:

HIGHWAYS
DESIGN ENGINEER

MONTANA
MEGAN CAIL
29099PE
LICENSED PROFESSIONAL ENGINEER

Signed by:

3/13/2025

DATE

54B7CB871715AA3...

**SHEET NO.**
01

**TITLE SHEET**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 06/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

MONTANA
Department of Transportation

ROAD PLANS

12/24/2024 7:02 AM

9943000RDTTL001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

# TABLE OF CONTENTS


| ROAD PLANS | SHEET NO. |
|---|---|
| TITLE SHEET | 1 |
| TABLE OF CONTENTS | 2 |
| NOTES | 2 |
| CENTERLINE COORDINATE TABLE | 2 |
| CONTROL DIAGRAM | 3 |
| TYPICAL SECTIONS | 4-6 |
| SUMMARIES | 7-8 |
| SURFACING | 7 |
| ADDITIONAL SURFACING | 7 |
| COLD MILLING | 7 |
| RUMBLE STRIPS | 7 |
| CURB | 8 |
| SIDEWALK | 8 |
| STORM DRAIN STRUCTURE SCHEDULE | 8 |
| WATER VALVE BOXES | 8 |
| SODDING | 8 |
| LANDSCAPING | 8 |
| PAVEMENT MARKINGS | 8 |
| DETAILS | 9-20 |
| SIDEWALK REPAIR DETAIL | 9 |
| CURB RAMP DETAILS | 9-17 |
| DROP INLET DETAIL | 18 |
| TYPE 3 CONCRETE MANHOLE | 19 |
| TURNOUT DETAIL | 20 |
| PLAN | 21-22 |
| **SIGNING PLANS** | |
| SUMMARY | S1 |
| SPECIFICATIONS | S2-S9 |
| DETAILS | S10-S12 |
| PLANS | S13-S20 |
| **ELECTRICAL PLANS** | |
| SUMMARIES | E1 |
| DETAILS | E1 |
| PLANS | E2 |


# NOTES

## BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

| | |
|---|---|
| COMP. AGGREGATE WEIGHT | = 3700 LBS. PER CUBIC YARD |
| COMP. WEIGHT OF PL. MIX BIT. SURF. | = 3855 LBS. PER CUBIC YARD |
| ASPHALT BINDER - GRADE S - 3/4" AGG. | = 5.4% OF PL.MIX BIT.SURF. |
| HYDRATED LIME | = 1.4% OF PL.MIX BIT.SURF. |
| BITUMINOUS MATERIAL | = 8.5 LBS. PER GAL. |
| EMULSIFIED ASPHALT - TACK (UNDERSEAL) | = 0.10 GAL. PER SQ.YARD (UNDILUTED) |
| EMULSIFIED ASPHALT - FOG SEAL (RUMBLE STRIPS) | = 0.10 GAL. PER SQ.YARD (UNDILUTED) |
| SEAL | = 0.42 GAL. PER SQ.YARD |
| COVER | = 25 LBS. PER SQ.YARD |
| PMS JOINT SEALING | = 0.10 GAL. PER SQ. YARD (UNDILUTED) |

## UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING.

## WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND MAY EXIST BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NOT ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

## DO NOT DISTURB

| | |
|---|---|
| WATER VALVE: | 150+17.63 (29' RT.) |
| UG TEL. LINE: | 150+52.1 (38' LT.) |
| CURB STOPS: | 154+44 (34' LT.), 159+05 (31' LT.) |
| DROP INLETS: | 157+08.17 (20' RT.), 157+20.55 (19' LT.) |
| SURVEY MONUMENT: | 163+69 (29' LT.) |
| FIRE HYDRANT: | 164+35 (28' LT.) |
| LANDSCAPING: | 168+27 (32' LT.) TO 168+38 (38' LT.) |
| R/W MARKER: | 168+36 (33' LT.) |

## AS-BUILTS

FOR HORIZONTAL ALIGNMENT AND STATIONING, REFER TO THE FOLLOWING "AS-BUILT" PROJECTS:

| | |
|---|---|
| FAP 60-D | 1924 |
| F-239(17) | 1974 |
| F-RF-60(16) | 1982 |
| STPB 59-1(28)25 | 2019 |

STATIONING FOR ADA IMPROVEMENTS BASED OFF OF BEST-FIT ALIGNMENT

CENTERLINE COORDINATE TABLE - ALIGNMENT NAME: CL

| STATION | DESCRIPTION | NORTHING OR Y COORDINATE | EASTING OR X COORDINATE | REMARKS |
|---|---|---|---|---|
| 144+48.19 | BOA | 637,365.691 | 1,673,799.173 | BEGIN BEST-FIT ALIGNMENT FOR ADA IMPROVEMENTS |
| 145+14.66 | PC | 637,430.516 | 1,673,784.477 | |
| 147+63.71 | PT | 637,675.707 | 1,673,741.384 | |
| 167+85.90 | PC | 639,682.121 | 1,673,489.253 | |
| 170+04.01 | PT | 639,897.523 | 1,673,455.212 | |
| 170+59.47 | EOA | 639,951.999 | 1,673,444.822 | END BEST-FIT ALIGNMENT FOR ADA IMPROVEMENTS |

SHEET NO.
02

TABLE OF CONTENTS
NOTES & CENTERLINE
COORDINATE TABLE

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| J. BERAN | 08/2024 | R. BARBULA | 08/2024 | T. JOHNSON | 10/2024 |

MONTANA
Department of Transportation

ROAD PLANS

9943000RDTTL001.DWG

12/24/2024 7:02 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



# CONTROL DIAGRAM

**SCALE: N/A**




NOTE:

*THIS PROJECT IS ON THE MONTANA COORDINATE SYSTEM NAD83-2011 NORTHING AND EASTING COORDINATES ARE EXPRESSED IN UNITS OF INTERNATIONAL FEET AND ELEVATIONS ARE IN UNITS OF U.S. SURVEY FEET. DIMENSIONS SHOWN ON THE PLANS ARE GRID. ALL SURVEY AND STAKING REQUIRE THE USE OF A COMBINATION SCALE FACTOR (CSF) TO CONVERT GRID DIMENSIONS TO GROUND DIMENSIONS (GRID DISTANCE / CSF = GROUND DISTANCE). THE CSF FOR THIS PROJECT IS 0.99930888*

BEARING SOURCE

*GRID -- MONTANA COORDINATE SYSTEM NAD 83-2011*

LEVEL DATUM SOURCE

*NAVD 88 (GNSS DERIVED ELEVATIONS FROM DIFFERENTIAL LEVELS USING GEOID 18 AND HOLDING A9943)*

## CONTROL ABSTRACT

| POINT NAME\NUMBER | N OR Y COORDINATE | E OR X COORDINATE | POINT ELEVATION | POINT DESCRIPTION |
|---|---|---|---|---|
| A9943 | 637,432.818 | 1,673,754.541 | 5,054.84 | SET 2" MDT ALUMINUM CAP ON 5/8" REBAR STAMPED "A9943". MARK IS ON THE WEST SIDE OF U.S. HIGHWAY 89 AT RP 23.41. POINT IS 29.25 FEET WEST OF THE CENTERLINE OF THE PTW AND 5.50 FEET SOUTHEAST OF THE SHIELDS/ELLIOT STREET SIGN. |
| B9943 | 637,995.62 | 1,673,668.845 | 5,051.8 | |
| C9943 | 638,430.797 | 1,673,680.883 | 5,050.7 | SET 2" MDT ALUMINUM CAP ON 5/8" REBAR STAMPED "C9943". MARK IS ON THE EAST SIDE OF U.S. HIGHWAY 89 AT RP 23.60. POINT IS 6.95 FEET EAST OF THE BACK OF SIDEWALK AND 36.61 FEET NORTH OF THE CENTER OF GRAVEL APPROACH. |
| D9943 | 639,264.738 | 1,673,512.881 | 5,062.62 | SET 2" MDT ALUMINUM CAP ON 5/8" REBAR STAMPED "D9943". MARK IS ON THE WEST SIDE OF U.S. HIGHWAY 89 AT RP 23.76. POINT IS 2.10 FEET WEST OF THE BACK OF SIDEWALK AND 10.70 FEET SOUTHEAST OF THE POMPEY/ELLIOT STREET SIGN. |
| E9943 | 639,994.534 | 1,673,464.281 | 5,065.3 | SET 2" MDT ALUMINUM CAP ON 5/8" REBAR STAMPED "D9943". MARK IS ON THE EAST SIDE OF U.S. HIGHWAY 89 AT RP 23.89 POINT IS 27.72 FEET EAST OF THE CENTERLINE OF THE PTW AND 29.85 FEET NORTHWEST OF THE ELLIOT/SHIELD RIVER ROAD SIGN. |

**SHEET NO.** 03

**CONTROL SHEET**

PROJECT NAME: **WILSALL-N & S**

COUNTY: **PARK**

PROJECT ID: **STPP 59-1(30)20**

UPN: **9943000**

| DESIGNED BY | | REVIEWED BY | | CHECKED BY | |
|---|---|---|---|---|---|
| J. BERAN | 08/2024 | R. BARBULA | 08/2024 | T. JOHNSON | 10/2024 |

**MONTANA** Department of Transportation

**ROAD PLANS**

9943000RDTRV001.DWG

12/24/2024 7:37 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

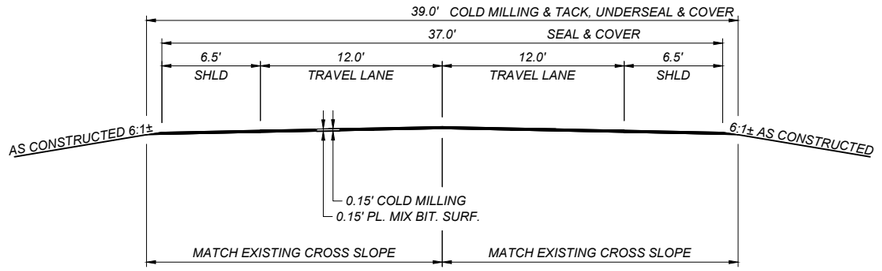
AWARD COPY

271+84.86 TO 273+52.91 THEN TO TYP. NO. 2

# TYPICAL SECTION NO. 1

MAINLINE

℄




| QUANTITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BITUMINOUS MATERIAL | | | | COLD MILLING |
| | COVER | COVER (UNDERSEAL) | PLANT MIX | | ASPHALT BINDER | EMULSIFIED ASPHALT SEAL | EMULSIFIED ASPHALT SEAL (UNDERSEAL) | EMULSIFIED ASPHALT TACK* | |
| AREA square feet | | | 5.70 | square yards PER STATION | | 411 | 433 | 433 | 433 |
| cubic yards PER STATION | | | 21.1 | tons PER STATION | 2.20 | 0.73 | 0.77 | | |
| tons PER STATION | | | 40.7 | gals. PER STATION | | | | 43 | |
| square yards PER STATION | 411 | 433 | | | | | | | |

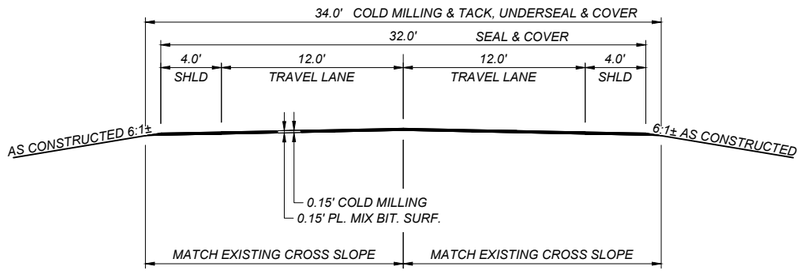
* BASED ON 1 APPLICATION OF 0.10 GALLONS PER SQUARE YARD

273+52.91
273+54.10 BK. = 0+00.00 AH. EQUATION
TO 146+04.71 THEN TO TYP. NO. 3

# TYPICAL SECTION NO. 2

MAINLINE

℄




| QUANTITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BITUMINOUS MATERIAL | | | | COLD MILLING |
| | COVER | COVER (UNDERSEAL) | PLANT MIX | | ASPHALT BINDER | EMULSIFIED ASPHALT SEAL | EMULSIFIED ASPHALT SEAL (UNDERSEAL) | EMULSIFIED ASPHALT TACK* | |
| AREA square feet | | | 4.95 | square yards PER STATION | | 356 | 378 | 378 | 378 |
| cubic yards PER STATION | | | 18.3 | tons PER STATION | 1.91 | 0.64 | 0.67 | | |
| tons PER STATION | | | 35.3 | gals. PER STATION | | | | 38 | |
| square yards PER STATION | 356 | 378 | | | | | | | |

* BASED ON 1 APPLICATION OF 0.10 GALLONS PER SQUARE YARD

**SHEET NO.** 04

**TYPICAL SECTIONS**

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | REVIEWED BY | CHECKED BY |
|---|---|---|
| J. BERAN 08/2024 | R. BARBULA 08/2024 | T. JOHNSON 10/2024 |

9943000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

12/24/2024 7:25 AM

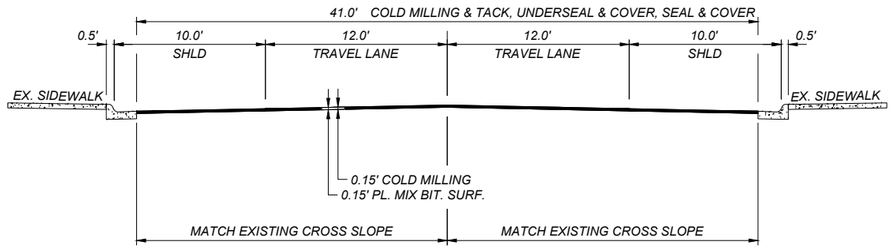
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



146+04.71 TO 170+61.72 THEN TO TYP. NO. 4

# TYPICAL SECTION NO. 3

MAINLINE



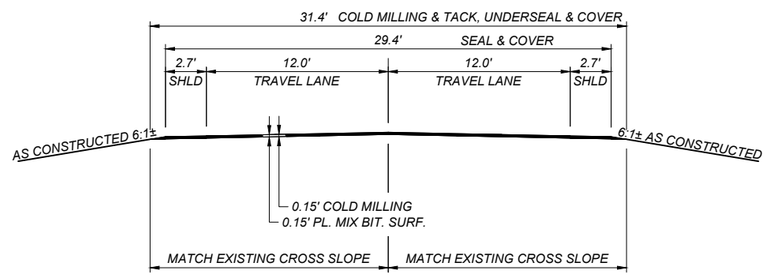

| QUANTITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BITUMINOUS MATERIAL | | | | COLD MILLING |
| | COVER | COVER (UNDERSEAL) | PLANT MIX | | ASPHALT BINDER | EMULSIFIED ASPHALT SEAL | EMULSIFIED ASPHALT SEAL (UNDERSEAL) | EMULSIFIED ASPHALT TACK* | |
| AREA square feet | | | 6.15 | square yards PER STATION | | 456 | 456 | 456 | 456 |
| cubic yards PER STATION | | | 22.8 | tons PER STATION | 2.37 | 0.81 | 0.81 | | |
| tons PER STATION | | | 43.9 | gals. PER STATION | | | | 46 | |
| square yards PER STATION | 456 | 456 | | | | | | | |

* BASED ON 1 APPLICATION OF 0.10 GALLONS PER SQUARE YARD

170+61.72 TO 208+02.12 THEN TO TYP. NO. 5

# TYPICAL SECTION NO. 4

MAINLINE




| QUANTITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BITUMINOUS MATERIAL | | | | COLD MILLING |
| | COVER | COVER (UNDERSEAL) | PLANT MIX | | ASPHALT BINDER | EMULSIFIED ASPHALT SEAL | EMULSIFIED ASPHALT SEAL (UNDERSEAL) | EMULSIFIED ASPHALT TACK* | |
| AREA square feet | | | 4.56 | square yards PER STATION | | 327 | 349 | 349 | 349 |
| cubic yards PER STATION | | | 16.9 | tons PER STATION | 1.76 | 0.58 | 0.62 | | |
| tons PER STATION | | | 32.6 | gals. PER STATION | | | | 35 | |
| square yards PER STATION | 327 | 349 | | | | | | | |

* BASED ON 1 APPLICATION OF 0.10 GALLONS PER SQUARE YARD

SHEET NO. 05

TYPICAL SECTIONS

PROJECT NAME WILSALL-N & S

COUNTY PARK

PROJECT ID STPP 59-1(30)20

UPN 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| J. BERAN | 08/2024 | R. BARBULA | 08/2024 | T. JOHNSON | 10/2024 |

9943000RDTYP001.DWG

MONTANA Department of Transportation

ROAD PLANS

12/24/2024 7:25 AM

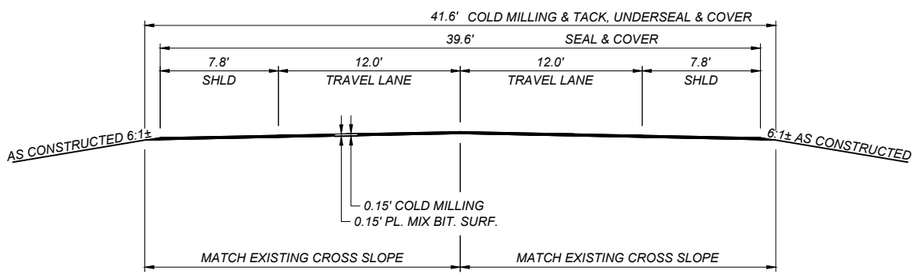
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

208+02.12 TO 212+23.50 BE

# TYPICAL SECTION NO. 5

MAINLINE




| QUANTITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| UNIT | AGGREGATE | | | UNIT | BITUMINOUS MATERIAL | | | | COLD MILLING |
| | COVER | COVER (UNDERSEAL) | PLANT MIX | | ASPHALT BINDER | EMULSIFIED ASPHALT SEAL | EMULSIFIED ASPHALT SEAL (UNDERSEAL) | EMULSIFIED ASPHALT TACK* | |
| AREA square feet | | | 6.09 | square yards PER STATION | | 440 | 462 | 462 | 462 |
| cubic yards PER STATION | | | 22.6 | tons PER STATION | 2.35 | 0.79 | 0.82 | | |
| tons PER STATION | | | 43.6 | gals. PER STATION | | | | 46 | |
| square yards PER STATION | 440 | 462 | | | | | | | |

* BASED ON 1 APPLICATION OF 0.10 GALLONS PER SQUARE YARD

SHEET NO. 06

TYPICAL SECTIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

DESIGNED BY: J. BERAN 08/2024
REVIEWED BY: R. BARBULA 08/2024
CHECKED BY: T. JOHNSON 10/2024

MONTANA Department of Transportation

ROAD PLANS

12/24/2024 7:25 AM

9943000RDTYP001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



# SUMMARY

## SURFACING

| STATION FROM | STATION TO | linear feet GROSS | linear feet NET | linear feet + | linear feet - | FOR | tons HYDRATED LIME | AGGREGATE sq. yards COVER TYPE 1 | AGGREGATE sq. yards COVER TYPE 1 (UNDERSEAL) | AGGREGATE tons PLANT MIX BIT. SURF. GR. S - 3/4" | AGGREGATE tons PLANT MIX BIT. SURF. GR. S - MISC. | BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58H-34 | BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P | BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P (UNDERSEAL) | BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 271+84.86 | 273+52.91 | 168.05 | 168.05 | | | | | 691 | 728 | 68 | | 3.7 | 1.2 | 1.3 | 72 | TYP. NO. 1 |
| 273+52.91 | | | | | | | | | | | | | | | | |
| 273+54.10 BK. | 0+00.00 AH. | | | 27,354.10 | | EQUATION | | | | | | | | | | |
| | 146+04.71 | -12,748.20 | 14,605.90 | | | | | 51,997 | 55,210 | 5,156 | | 279.0 | 93.5 | 97.9 | 5,550 | TYP. NO. 2 |
| 146+04.71 | 170+61.72 | 2,457.01 | 2,457.01 | | | | | 11,204 | 11,204 | 1,079 | | 58.2 | 19.9 | 19.9 | 1,130 | TYP. NO. 3 |
| 170+61.72 | 208+02.12 | 3,740.40 | 3,740.40 | | | | | 12,231 | 13,054 | 1,219 | | 65.8 | 21.7 | 23.2 | 1,309 | TYP. NO. 4 |
| 208+02.12 | 212+23.50 BE | 421.38 | 421.38 | | | | | 1,854 | 1,947 | 184 | | 9.9 | 3.3 | 3.5 | 194 | TYP. NO. 5 |
| | | | | | | | | | | | | | | | | |
| | | | | | | ADDITIONAL SURFACING | | 3,140 | | | 323 | 17.5 | 5.8 | | 263 | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SUBTOTAL | | ~ | ~ | ~ | ~ | | ~ | 81,117 | 82,143 | ~ | ~ | ~ | 145.4 | 145.8 | ~ | |
| TOTAL | | -5,961.36 | 21,392.74 | 27,354.10 | ~ | | 112 | 163,260 | | 7,706 | 323 | 434.1 | 291.2 | | 8,518 | |

## ADDITIONAL SURFACING (INCLUDED IN SURFACING FRAME)

| STATION FROM | STATION TO | linear feet GROSS | linear feet NET | linear feet + | linear feet - | FOR | tons HYDRATED LIME | AGGREGATE sq. yards COVER TYPE 1 | AGGREGATE sq. yards COVER TYPE 1 (UNDERSEAL) | AGGREGATE tons PLANT MIX BIT. SURF. GR. S - 3/4" | AGGREGATE tons PLANT MIX BIT. SURF. GR. S - MISC. | BITUMINOUS MATERIAL tons ASPHALT BINDER PG 58H-34 | BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P | BITUMINOUS MATERIAL tons EMULSIFIED ASPHALT CHFRS-2P (UNDERSEAL) | BITUMINOUS MATERIAL gals. EMULSIFIED ASPHALT TACK | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | |
| 279+48.99 | 280+67.33 | | | | | MAILBOX TURNOUT | | 68 | | | 7 | 0.4 | 0.1 | | 7 | # RT., SOUTH OF INDIAN CRK. RD. |
| 29+51.45 | 32+02.77 | | | | | GARBAGE DISPOSAL TURNOUT | | 435 | | | 42 | 2.3 | 0.8 | | 44 | # LT., NORTH OF SHIELDS LN. |
| 71+31.85 | 72+57.22 | | | | | MAILBOX TURNOUT | | 86 | | | 8 | 0.4 | 0.2 | | 9 | # RT., NEAR RP 22 |
| | | | | | | | | | | | | | | | | |
| 145+90.53 | 146+19.49 | | | | | SHIELDS ST. NW CORNER | | 98 | | | 9 | 0.5 | 0.2 | | 4 | * 6' BEYOND FRONT OF GUTTER |
| 149+73.40 | 150+06.89 | | | | | CLARK ST. SW CORNER | | 99 | | | 17 | 0.9 | 0.2 | | 8 | * 8' BEYOND FRONT OF GUTTER |
| 149+76.76 | 150+05.25 | | | | | CLARK ST. SE CORNER | | 98 | | | 15 | 0.8 | 0.2 | | 7 | * 8' BEYOND FRONT OF GUTTER |
| 150+48.88 | 150+84.19 | | | | | CLARK ST. NW CORNER | | 63 | | | 6 | 0.3 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 150+51.72 | 150+76.86 | | | | | CLARK ST. NE CORNER | | 86 | | | 10 | 0.5 | 0.2 | | 5 | * 8' BEYOND FRONT OF GUTTER |
| 154+32.51 | 154+65.75 | | | | | LEWIS ST. SE CORNER | | 56 | | | 7 | 0.4 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 154+38.47 | 154+67.03 | | | | | LEWIS ST. SW CORNER | | 50 | | | 6 | 0.3 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 154+98.99 | 155+22.90 | | | | | LEWIS ST. NW CORNER | | 39 | | | 3 | 0.2 | 0.1 | | 1 | * 2' BEYOND FRONT OF GUTTER |
| 155+07.53 | 155+33.53 | | | | | LEWIS ST. NE CORNER | | 51 | | | 5 | 0.3 | 0.1 | | 2 | * 4' BEYOND FRONT OF GUTTER |
| 158+93.77 | 159+23.78 | | | | | SACAJAWEA ST. SE CORNER | | 49 | | | 3 | 0.2 | 0.1 | | 1 | * 2' BEYOND FRONT OF GUTTER |
| 159+01.78 | 159+24.57 | | | | | SACAJAWEA ST. SW CORNER | | 53 | | | 5 | 0.3 | 0.1 | | 2 | * 4' BEYOND FRONT OF GUTTER |
| 159+67.68 | 159+99.41 | | | | | SACAJAWEA ST. NE CORNER | | 64 | | | 7 | 0.4 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 159+69.20 | 160+02.92 | | | | | SACAJAWEA ST. NW CORNER | | 74 | | | 11 | 0.6 | 0.1 | | 5 | * 6' BEYOND FRONT OF GUTTER |
| 163+56.58 | 163+84.34 | | | | | POMPEY ST. SW CORNER | | 56 | | | 6 | 0.3 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 164+26.19 | 164+54.34 | | | | | POMPEY ST. NW CORNER | | 52 | | | 6 | 0.3 | 0.1 | | 3 | * 4' BEYOND FRONT OF GUTTER |
| 168+08.71 | 168+42.86 | | | | | 415 ELLIOT ST. SW CORNER | | 116 | | | 11 | 0.6 | 0.2 | | 5 | * 6' BEYOND FRONT OF GUTTER |
| | | | | | | | | | | | | | | | | |
| 191+01.58 | 199+04.90 | | | | | HISTORICAL TURNOUT | | 1,447 | | | 139 | 7.5 | 2.6 | | 145 | # RT. |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| SUBTOTAL | | ~ | ~ | ~ | ~ | | ~ | 3,140 | ~ | ~ | 323 | 17.5 | 5.8 | ~ | 263 | |

# MEASURED ON AERIAL IMAGERY, SEE DETAIL

* BASED ON 3 APPLICATIONS OF TACK AT 0.05 GALLONS PER SQUARE YARD. SEAL AND COVER INCLUDES FULL WIDTH OF CROSS STREET AREA EXTENDING TO END OF CURB AND GUTTER SECTIONS. SEE PLAN SHEETS.

## COLD MILLING

| STATION FROM | STATION TO | sq. yards COLD MILLING | REMARKS |
|---|---|---|---|
| | | 0.15 ft | |
| 271+84.86 | 273+52.91 | 728 | 39.0' WIDTH, TYP. NO. 1 |
| 273+52.91 | | | |
| 273+54.10 BK. | 0+00.00 AH. | | |
| | 146+04.71 | 55,210 | 34.0' WIDTH, TYP. NO. 2 |
| 146+04.71 | 170+61.72 | 11,204 | 41.0' WIDTH, TYP. NO. 3 |
| 170+61.72 | 208+02.12 | 13,054 | 31.4' WIDTH, TYP. NO. 4 |
| 208+02.12 | 212+23.50 BE | 1,947 | 41.6' WIDTH, TYP. NO. 5 |
| | | | |
| | | 2,036 | * TURNOUTS |
| | | | |
| | | | |
| TOTAL | | 84,179 | |

* MEASURED ON AERIAL IMAGERY, SEE DETAIL

## RUMBLE STRIPS

| STATION FROM | STATION TO | miles RUMBLE STRIPS CENTERLINE TYPE 3 | miles RUMBLE STRIPS INTER-MITTENT ## | gals EMULSIFIED ASPHALT FOG SEAL # | sq. yards PMS JOINT SEALING * | REMARKS |
|---|---|---|---|---|---|---|
| 271+84.86 | | | | | | |
| 273+54.10 BK. | 0+00.00 AH. | | | | | |
| | 135+78.70 | 2.5 | 5.1 | 598 | 2,933 | END AT NORTHBOUND 45 MPH SIGN |
| 181+51.18 | 212+23.50 BE | 0.6 | 1.2 | 141 | 704 | START AT NORTHBOUND 70 MPH SIGN |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| SUBTOTAL | | 3.1 | 6.3 | 739 | 3,637 | |
| TOTAL | | 3.1 | 6.3 | ~ | 3,637 | |

* SEE SPECIAL PROVISIONS, 2.0' WIDTH APPLICATION CENTERED ON RUMBLE STRIPS

# INTERMITTENT RUMBLE STRIPS ONLY. FOR INFORMATION ONLY, INCLUDE IN THE COST OF RUMBLE STRIPS

## SEE DTL. DWG. 411-02. MODIFY TO PROVIDE 6" RUMBLE STRIP WIDTH

SHEET NO. 07

SUMMARIES

PROJECT NAME: WILSALL-N & S

COUNTY: PARK

PROJECT ID: STPP 59-1(30)20

UPN: 9943000

DESIGNED BY: J. BERAN 08/2024

REVIEWED BY: R. BARBULA 08/2024

CHECKED BY: T. JOHNSON 10/2024

9943000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

12/24/2024 7:25 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

# SUMMARY

## CURB

| STATION | | linear feet | | | | REMARKS |
|---|---|---|---|---|---|---|
| | | CONCRETE CURB AND GUTTER | | REMOVE CURB AND GUTTER # | | |
| FROM | TO | LEFT | RIGHT | LEFT | RIGHT | |
| 145+90.53 | 146+19.49 | 34.9 | | 34.9 | | SHIELDS ST. NW CORNER |
| 149+73.40 | 150+06.89 | 51.5 | | 51.5 | | CLARK ST. SW CORNER |
| 149+76.76 | 150+05.25 | | 50.2 | | 50.2 | CLARK ST. SE CORNER |
| 150+48.88 | 150+84.19 | 40.1 | | 40.1 | | CLARK ST. NW CORNER |
| 150+51.72 | 150+76.86 | | 28.3 | | 28.3 | CLARK ST. NE CORNER |
| 154+32.51 | 154+65.75 | | 42.0 | | 42.0 | LEWIS ST. SE CORNER |
| 154+38.47 | 154+67.03 | 36.7 | | 36.7 | | LEWIS ST. SW CORNER |
| 154+98.99 | 155+22.90 | 32.8 | | 25.0 | | LEWIS ST. NW CORNER |
| 155+07.53 | 155+33.53 | | 29.4 | | 29.4 | LEWIS ST. NE CORNER |
| 158+93.77 | 159+23.78 | | 36.4 | | 36.4 | SACAJAWEA ST. SE CORNER |
| 159+01.78 | 159+24.57 | 28.0 | | 28.0 | | SACAJAWEA ST. SW CORNER |
| 159+67.68 | 159+99.41 | | 41.0 | | 41.0 | SACAJAWEA ST. NE CORNER |
| 159+69.20 | 160+02.92 | 43.3 | | 43.3 | | SACAJAWEA ST. NW CORNER |
| 163+56.58 | 163+84.34 | 36.7 | | 36.7 | | POMPEY ST. SW CORNER |
| 164+26.19 | 164+54.34 | 36.0 | | 36.0 | | POMPEY ST. NW CORNER |
| 168+08.71 | 168+42.86 | 43.1 | | 43.1 | | 415 ELLIOT ST. SW CORNER |
| SUBTOTAL | | 383.1 | 227.3 | 375.3 | 227.3 | |
| TOTAL | | 610 | | ~ | | |

# FOR INFORMATION ONLY - INCLUDE IN THE COST OF CONCRETE CURB AND GUTTER

## SIDEWALK *

| STATION | | sq. yards | | | | | | linear feet | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | CONCRETE SIDEWALK 4" | | DETECTABLE WARNING DEVICES TYPE 1 | | REMOVE SIDEWALK # | | WIDTH | |
| FROM | TO | LEFT | RIGHT | LEFT | RIGHT | LEFT | RIGHT | | |
| 145+92.39 | 146+19.49 | 18.5 | | 2.2 | | 20.1 | | VARIES | SHIELDS ST. NW CORNER |
| 149+72.82 | 150+06.89 | 40.4 | | 2.0 | | 40.3 | | VARIES | CLARK ST. SW CORNER |
| 149+76.76 | 150+05.25 | | 34.3 | | 2.1 | | 33.9 | VARIES | CLARK ST. SE CORNER |
| 150+50.88 | 150+84.19 | 21.6 | | 2.8 | | 22.5 | | VARIES | CLARK ST. NW CORNER |
| 150+52.86 | 150+76.86 | | 13.8 | | 2.0 | | 9.8 | VARIES | CLARK ST. NE CORNER |
| 154+32.51 | 154+62.19 | | 15.1 | | 2.4 | | 9.9 | VARIES | LEWIS ST. SE CORNER |
| 154+38.47 | 154+64.33 | 17.5 | | 2.9 | | 18.8 | | VARIES | LEWIS ST. SW CORNER |
| 155+01.52 | 155+22.90 | 12.1 | | 2.2 | | 4.4 | | VARIES | LEWIS ST. NW CORNER |
| 155+10.52 | 155+33.53 | | 10.4 | | 2.4 | | 10.8 | VARIES | LEWIS ST. NE CORNER |
| 158+93.77 | 159+20.37 | | 13.5 | | 2.4 | | 12.5 | VARIES | SACAJAWEA ST. SE CORNER |
| 159+01.78 | 159+21.29 | 9.3 | | 2.4 | | 7.8 | | VARIES | SACAJAWEA ST. SW CORNER |
| 159+71.55 | 159+99.41 | | 14.1 | | 2.4 | | 13.7 | VARIES | SACAJAWEA ST. NE CORNER |
| 159+72.86 | 160+02.92 | 15.7 | | 2.5 | | 12.9 | | VARIES | SACAJAWEA ST. NW CORNER |
| 163+56.58 | 163+80.37 | 11.8 | | 2.4 | | 9.4 | | VARIES | POMPEY ST. SW CORNER |
| 164+30.52 | 164+54.34 | 10.2 | | 2.5 | | 9.7 | | VARIES | POMPEY ST. NW CORNER |
| 168+08.71 | 168+38.94 | 15.7 | | 2.5 | | 12.5 | | VARIES | 415 ELLIOT ST. SW CORNER |
| SUBTOTAL | | 172.8 | 101.2 | 24.4 | 13.7 | 158.4 | 90.6 | ~ | |
| TOTAL | | 274.0 | | 38.1 | | ~ | | ~ | |

* MEASURED ON CAD
# FOR INFORMATION ONLY - INCLUDE IN THE COST OF CONCRETE SIDEWALK

## STORM DRAIN STRUCTURE SCHEDULE

| NAME | STATION | feet | each | | | | | | vertical feet | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | REMOVE PIPE CULVERT | REMOVE DROP INLET | STORM DRAIN STRUCTURE INLET BASE 48" # | STORM DRAIN STRUCTURE MANHOLE BASE 90" * TYPE 3 | DROP INLET FRAME & GRATE TYPE 1 | DROP INLET FRAME & GRATE TYPE 4 | CONCRETE APRON | ADDITIONAL BARREL 48" | |
| DI-SE | 150+06.58 | 4 | 1 | | | 1 | | 1 | | 28.18' RT., OFFSET GRATE & HOLE ON ROOF SLAB, REMOVE 12" LATERAL RCP |
| MH-SE | 150+08.46 | | | | 1 | | | | | 27.50' RT., TIE INTO EX. OFFSET 24" RCP |
| DI-SW | 150+10.27 | | 1 | 1 | | 1 | | 1 | 1 | 32.59' LT., TIE INTO EX. 24" RCP |
| DI-NW | 150+46.66 | | 1 | 1 | | 1 | | 1 | 1 | 31.98' LT., TIE INTO EX. 24" RCP |
| DI-NE | 150+51.41 | | 1 | 1 | | | 1 | | | 28.20' RT., TIE INTO EX. 12" RCP |
| SUBTOTAL | | 4 | 4 | 3 | 1 | 3 | 1 | 3 | 2 | |
| TOTAL | | 4 | 4 | 3 | 1 | 4 | | 3 | 2 | |

# INCLUDES THE COST OF CONNECTING THE EXISTING CULVERT TO THE NEW INLET BASE
* SEE DETAIL FOR CUSTOM DEPTH. INCLUDES THE COST OF CONNECTING THE EXISTING CULVERT TO THE NEW MANHOLE BASE

## WATER VALVE BOXES #

| STATION | each | | | | REMARKS |
|---|---|---|---|---|---|
| | ADJUST VALVE BOX | | ADJUST CURB BOX | | |
| | LEFT | RIGHT | LEFT | RIGHT | |
| 148+12.1 | 1 | | | | 19' LT. |
| 148+52.4 | 1 | | | | 20' LT. |
| 149+01.1 | | | 1 | | 20' LT. |
| 149+98.1 | 1 | | | | 16' LT. |
| 150+57.6 | 1 | | | | 17' LT. |
| 152+27.4 | 1 | | | | 17' LT. |
| 155+63.3 | 1 | | | | 20' LT. |
| 164+34.7 | 1 | | | | 20' LT. |
| SUBTOTAL | 7 | ~ | 1 | ~ | |
| TOTAL | 7 | | 1 | | |

# FUNDING - 100% STATE SHARE

## SODDING #

| STATION | | sq. yards | REMARKS |
|---|---|---|---|
| | | SODDING | |
| FROM | TO | | |
| 150+48.88 | 150+84.19 | 8.1 | CLARK ST. NW CORNER |
| 154+32.51 | 154+65.75 | 8.6 | LEWIS ST. SE CORNER |
| 154+38.47 | 154+67.03 | 7.4 | LEWIS ST. SW CORNER |
| 154+98.99 | 155+23.64 | 6.5 | LEWIS ST. NW CORNER |
| 155+07.53 | 155+33.53 | 6.0 | LEWIS ST. NE CORNER |
| 158+93.77 | 159+23.78 | 7.5 | SACAJAWEA ST. SE CORNER |
| 159+01.78 | 159+24.57 | 5.4 | SACAJAWEA ST. SW CORNER |
| 159+69.20 | 160+02.92 | 8.9 | SACAJAWEA ST. NW CORNER |
| 163+56.58 | 163+84.34 | 7.5 | POMPEY ST. SW CORNER |
| 164+26.19 | 164+54.34 | 7.4 | POMPEY ST. NW CORNER |
| 168+08.71 | 168+42.86 | 8.9 | 415 ELLIOT ST. SW CORNER |
| TOTAL | | 82.2 | |

# SEE DETAILS AND SPECIAL PROVISION

## LANDSCAPING #

| STATION | | lump sum | REMARKS |
|---|---|---|---|
| | | LAND-SCAPING | |
| FROM | TO | | |
| 145+90.53 | 146+19.49 | 0.33 | SHIELDS ST. NW CORNER |
| 150+51.72 | 150+77.62 | 0.33 | CLARK ST. NE CORNER |
| 159+67.68 | 159+99.41 | 0.34 | SACAJAWEA ST. NE CORNER, GRADE GRAVEL, REPLACE IN KIND |
| TOTAL | | 1 | |

# SEE CURB RAMP DETAILS AND SPECIAL PROVISION

## PAVEMENT MARKINGS

| ITEM | UNIT | INTERIM APPLICATION ## | FINAL APPLICATION | TOTAL |
|---|---|---|---|---|
| STRIPING - WHITE PAINT | gallon | 294 | | 294 |
| STRIPING - YELLOW PAINT | gallon | 170 | | 170 |
| WORDS & SYMBOLS - WHITE PAINT | gallon | 16 | | 16 |
| STRIPING - WHITE EPOXY | gallon | | 196 | 196 |
| STRIPING - YELLOW EPOXY | gallon | | 113 | 113 |
| WORDS & SYMBOLS - WHITE EPOXY | gallon | | 10 | 10 |
| CURB MARKING - YELLOW EPOXY | gallon | | 19 | 19 |
| TEMPORARY STRIPING # | linear feet | | | 24,675 |
| FINAL SWEEP AND BROOM | course mile | | | 4.1 |

# BASED ON 1 APPLICATION
## BASED ON 2 APPLICATIONS

SHEET NO. 08

SUMMARIES

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

DESIGNED BY: J. BERAN 08/2024
REVIEWED BY: R. BARBULA 08/2024
CHECKED BY: T. JOHNSON 10/2024
9943000RDSUM001.DWG

MONTANA Department of Transportation

ROAD PLANS

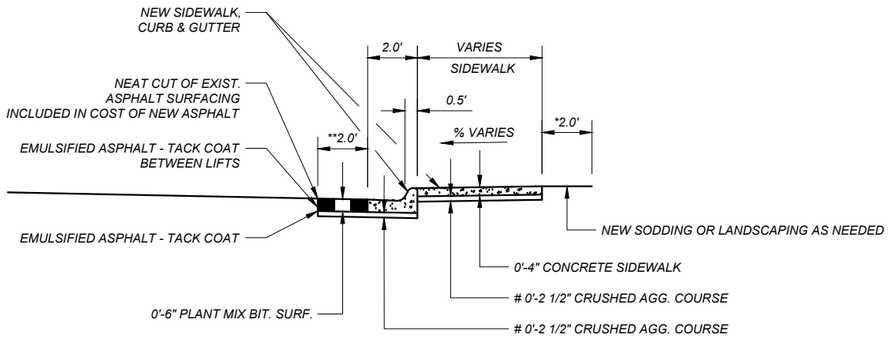
12/24/2024 7:25 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

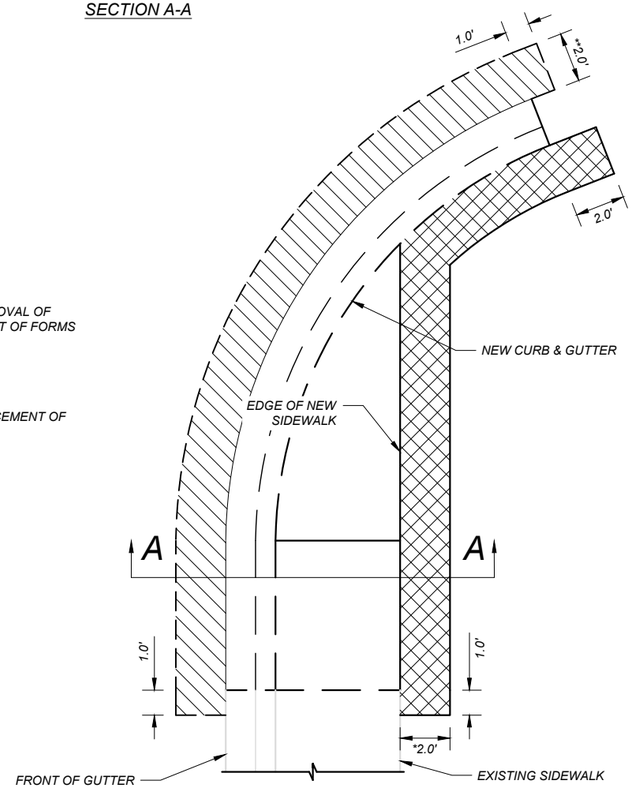
AWARD COPY

## NEW ADA CORNER CURB & GUTTER, SIDEWALK, AND SURFACING REPAIR

# NEW ADA CORNER CURB & GUTTER, SIDEWALK AND SURFACING REPAIR DETAIL




SECTION A-A




*# THESE ITEMS ARE NOT MEASURED FOR PAYMENT, INCLUDE IN COST OF NEW SIDEWALK, CURB & GUTTER, OR PLANT MIX SURFACING*

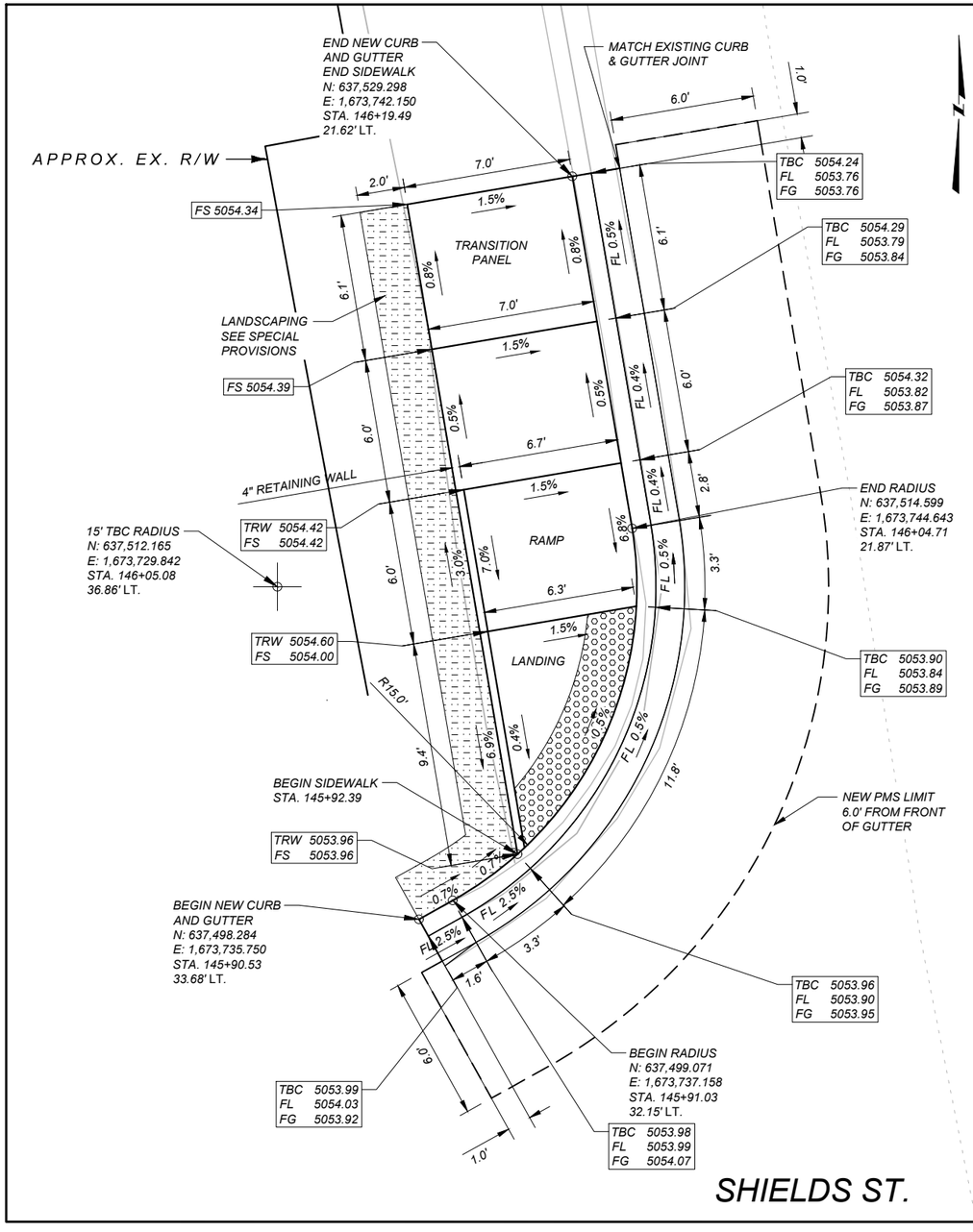
** ONLY REMOVE TO A WIDTH OF 2.0' MAX. WHEN ADJACENT TO GRASS, REPLACE WITH SOD. WHEN ADJACENT TO LANDSCAPING, REPLACE WITH EQUIVALENT AS INSTRUCTED BY PROJECT MANAGER.*

*** SOME CURB RAMPS REQUIRE UP TO 8.0' OF STREET REPLACEMENT. SEE DETAIL SHEETS FOR LOCATIONS*

*MAXIMUM CONSTRUCTION LIMITS FOR REMOVAL OF EXISTING CURB AND GUTTER REPLACEMENT OF FORMS FOR NEW CURB AND GUTTER*

*MAXIMUM CONSTRUCTION LIMITS FOR PLACEMENT OF FORMS FOR NEW SIDEWALK*

## INTERSECTION OF ELLIOT ST. / US-89 & SHIELDS ST. NORTHWEST CORNER




### LEGEND

*FS = FINISHED SURFACE ELEV.*
*TBC = TOP BACK OF CURB ELEV.*
*FL = FLOW LINE ELEV.*
*TRW = TOP OF RETAINING WALL ELEV.*
*FG = FRONT OF GUTTER ELEV.*

*DETECTABLE WARNING DEVICES*

*NOTES:*

*PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.*

*ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.*

*ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.*

*CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.*

*MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.*

*SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.*

*ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.*

SHEET NO. 09

CURB RAMP & SIDEWALK REPAIR
ELLIOT ST. / US-89 & SHIELDS ST.
CURB RAMP DETAIL
(NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

MONTANA Department of Transportation

ROAD PLANS

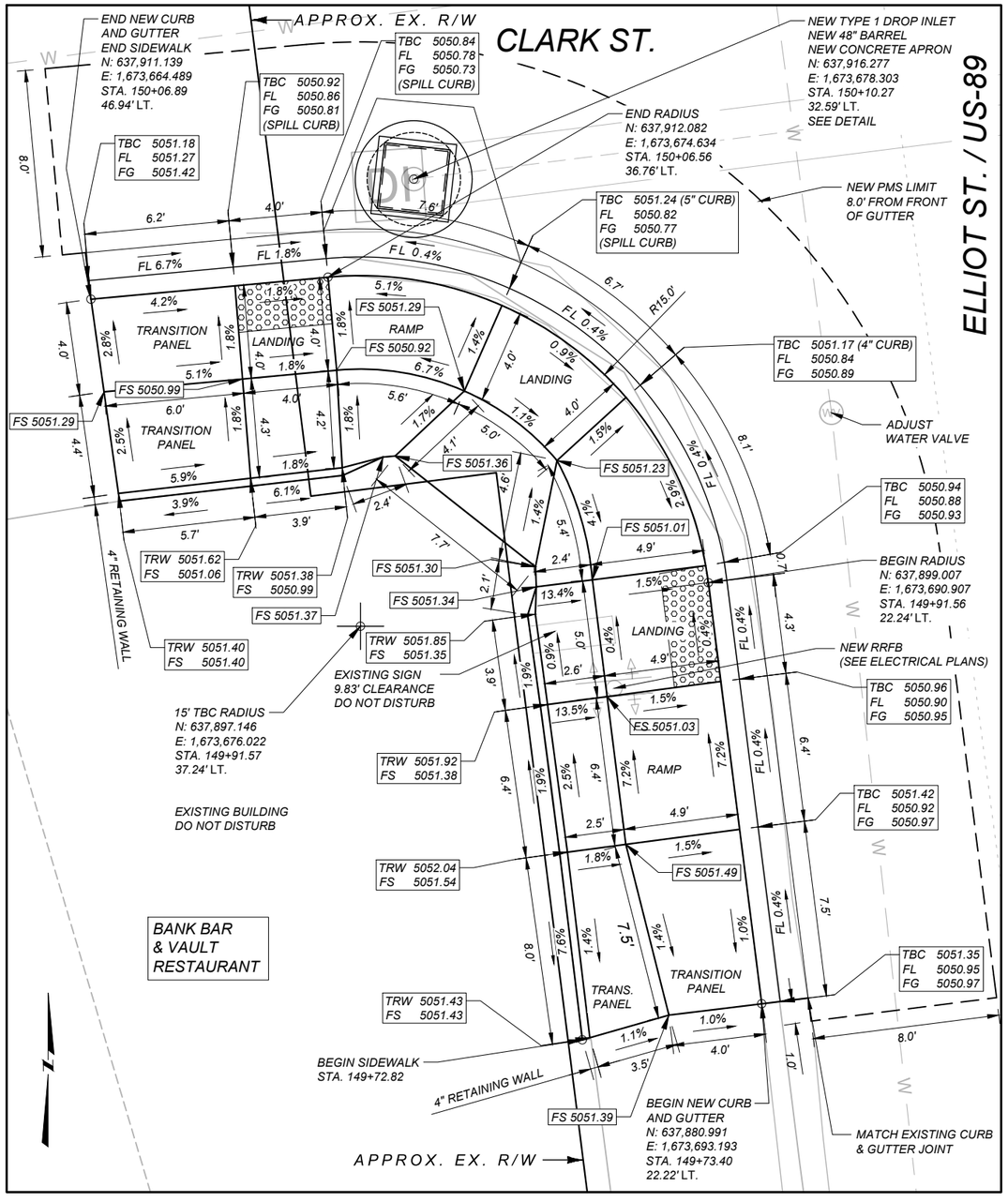
12/24/2024 7:02 AM

9943000RDCRR001.DWG

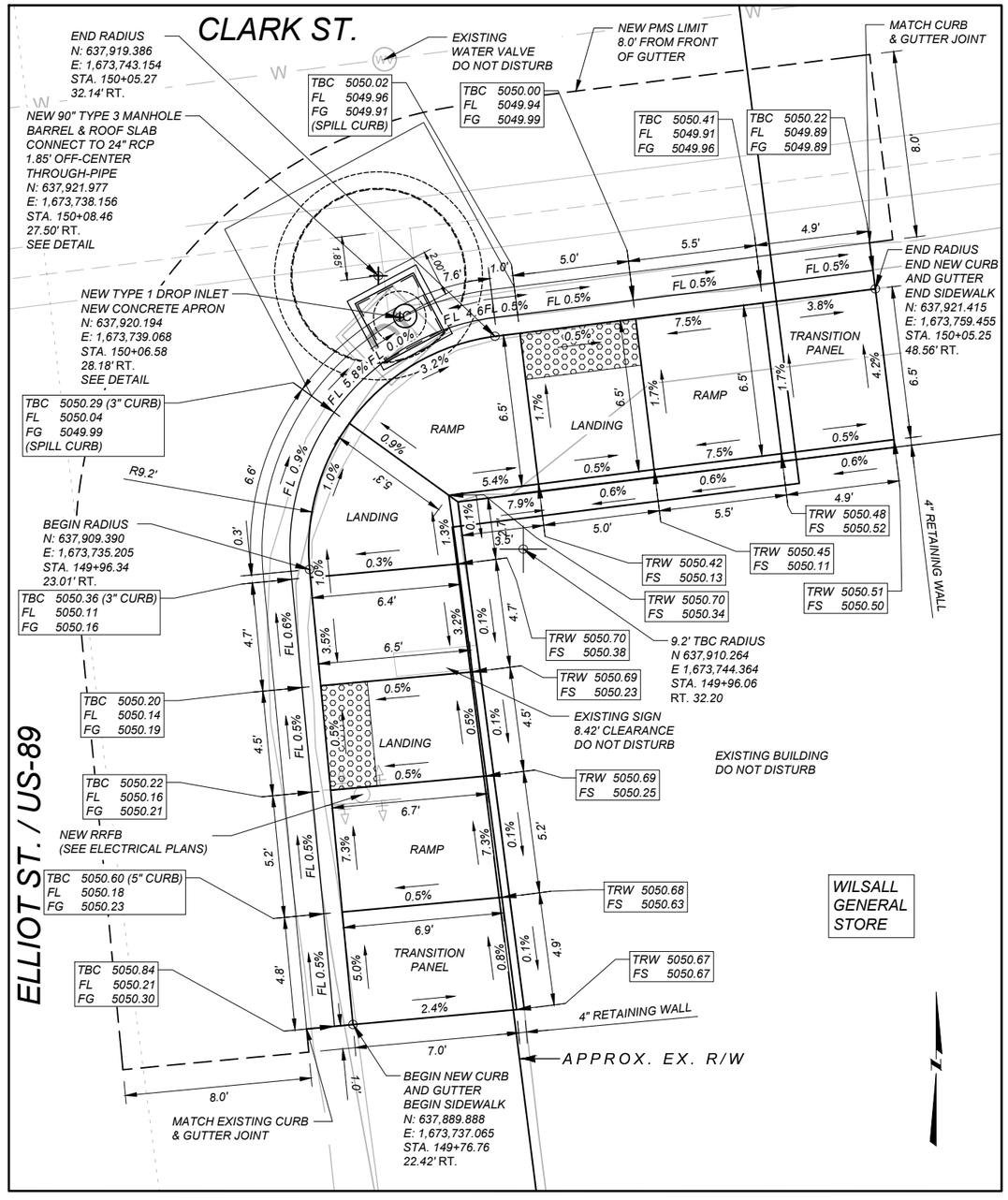
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & CLARK ST.
## SOUTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & CLARK ST.
## SOUTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 10

ELLIOT ST. / US-89 & CLARK ST.
CURB RAMP DETAIL
(NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDCRR001.DWG

MONTANA
Department of Transportation

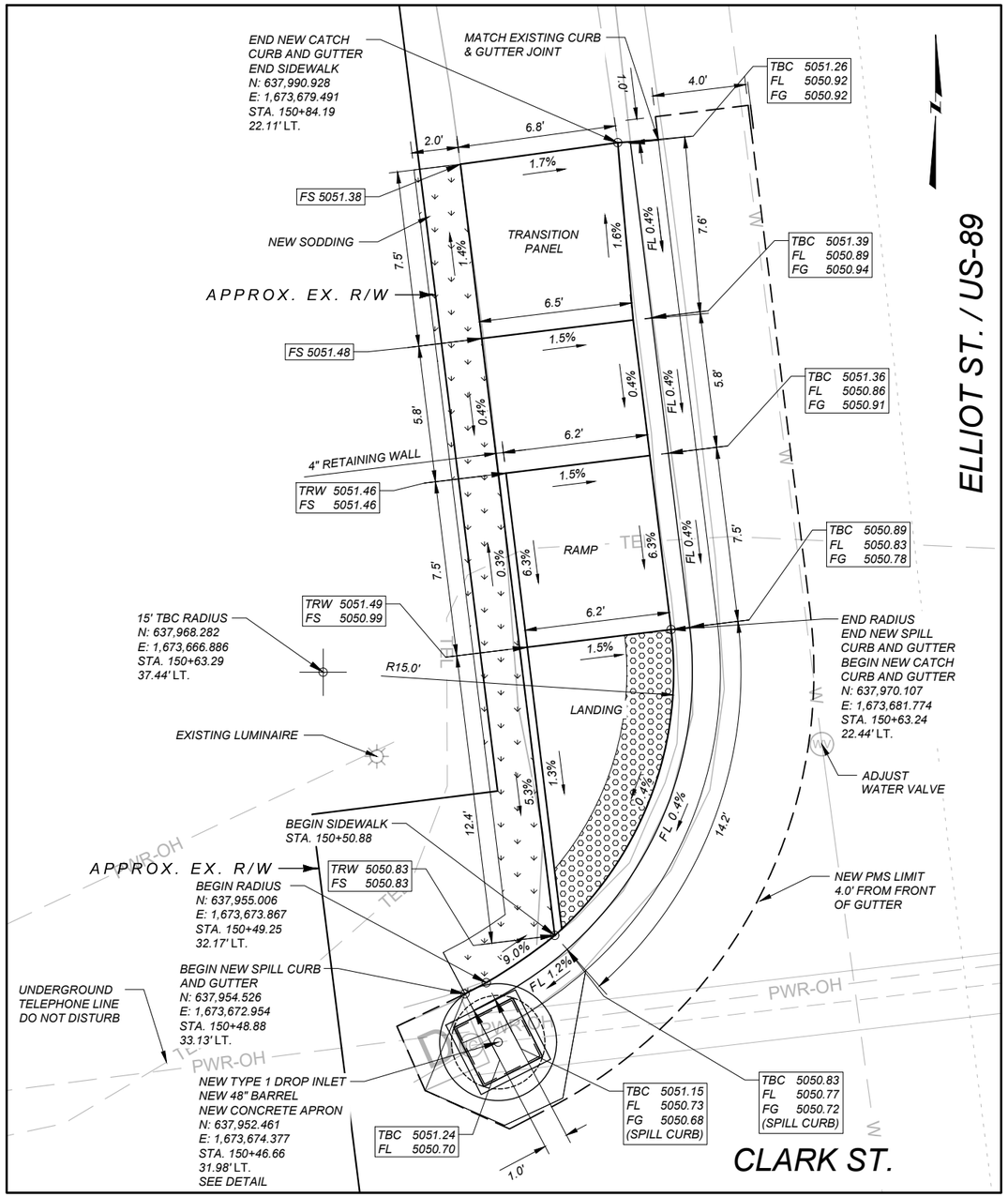
ROAD PLANS

12/24/2024 7:02 AM

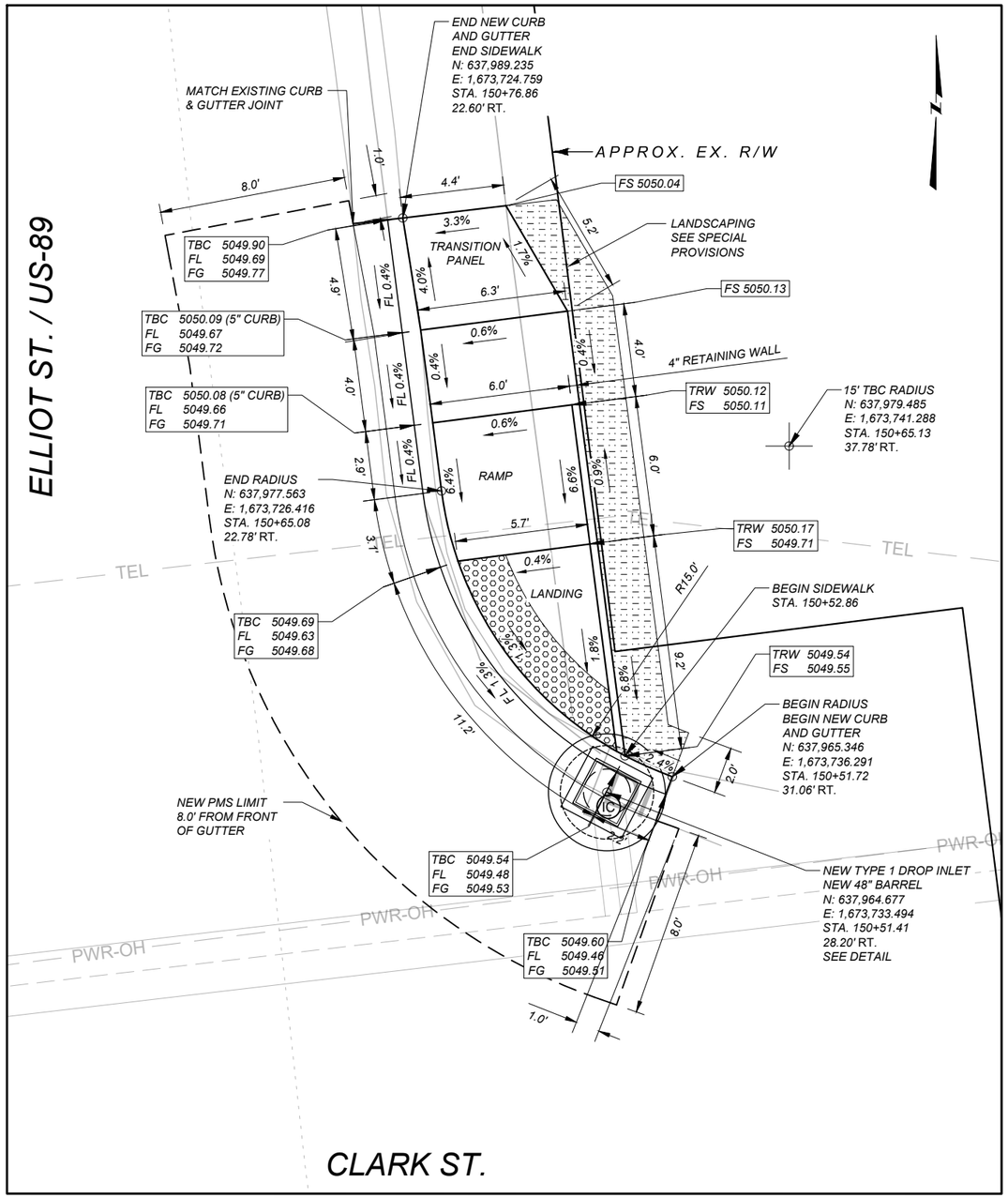
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & CLARK ST.
## NORTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & CLARK ST
## NORTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 11

ELLIOT ST. / US-89 & CLARK ST.
CURB RAMP DETAIL
(NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDCRR001.DWG

MONTANA Department of Transportation

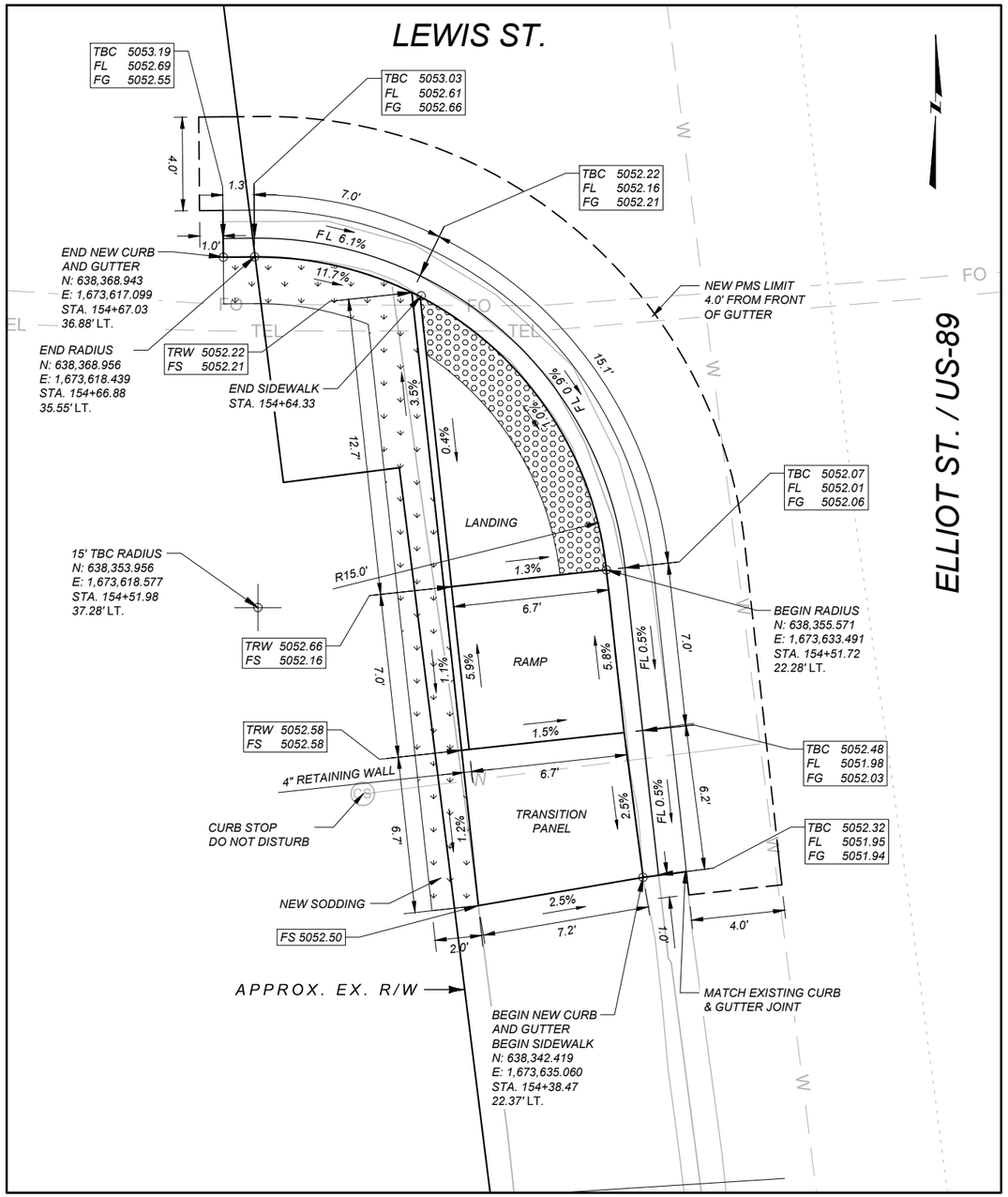
ROAD PLANS

12/24/2024 7:02 AM

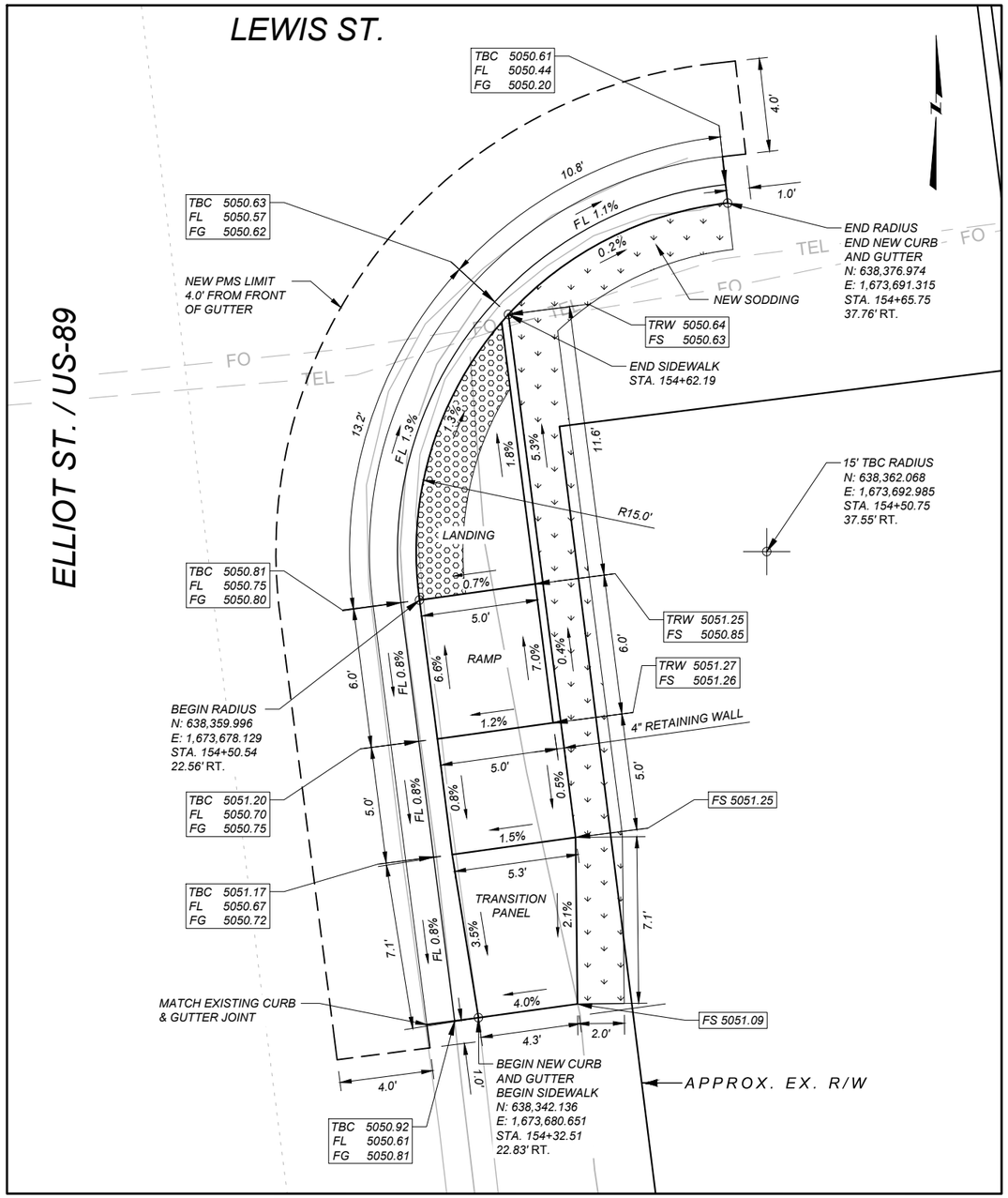
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



## INTERSECTION OF ELLIOT ST. / US-89 & LEWIS ST.
## SOUTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & LEWIS ST.
## SOUTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 12

ELLIOT ST. / US-89 & LEWIS ST.
CURB RAMP DETAIL
(NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDCRR001.DWG

MONTANA Department of Transportation

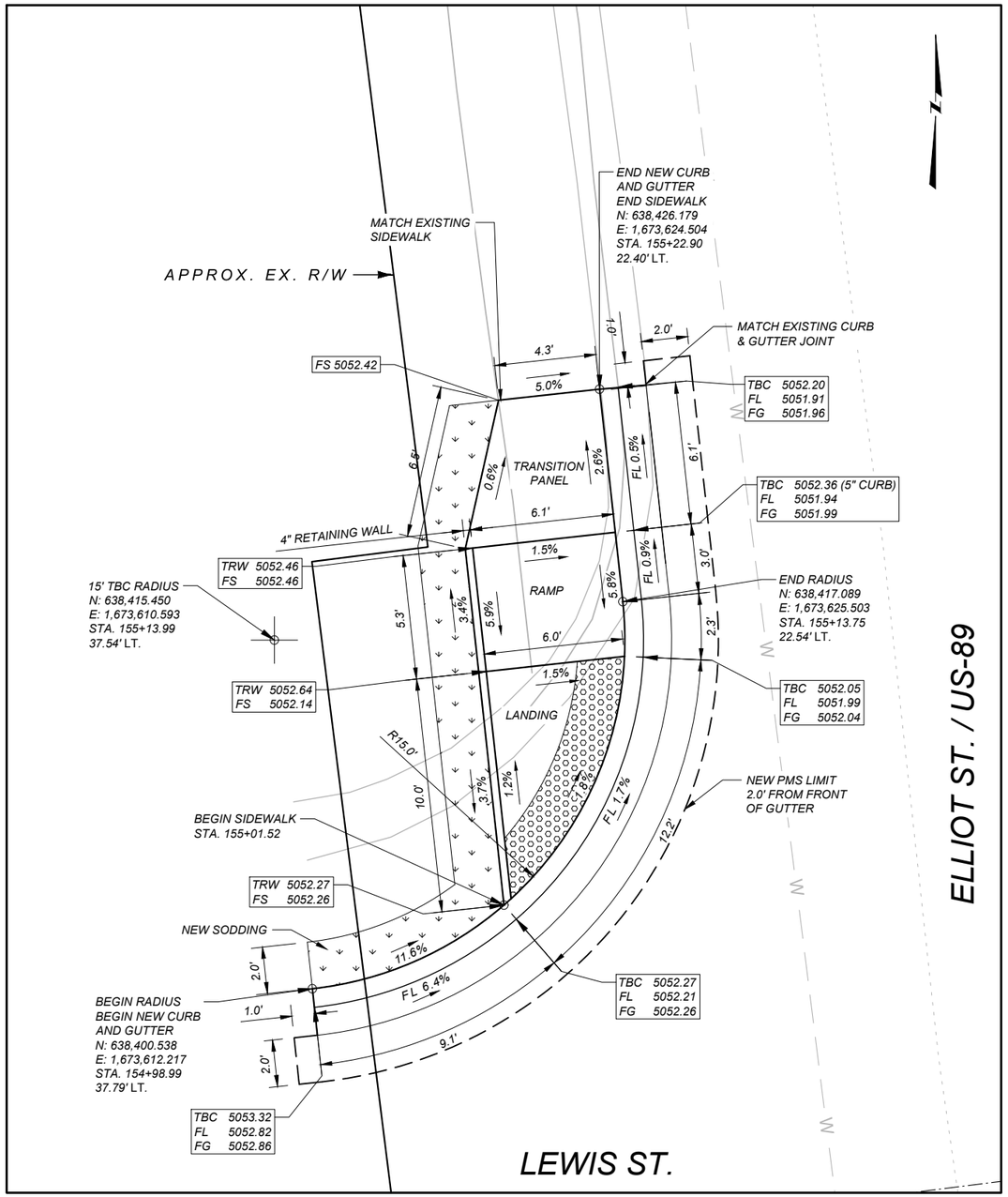
ROAD PLANS

12/24/2024 7:02 AM

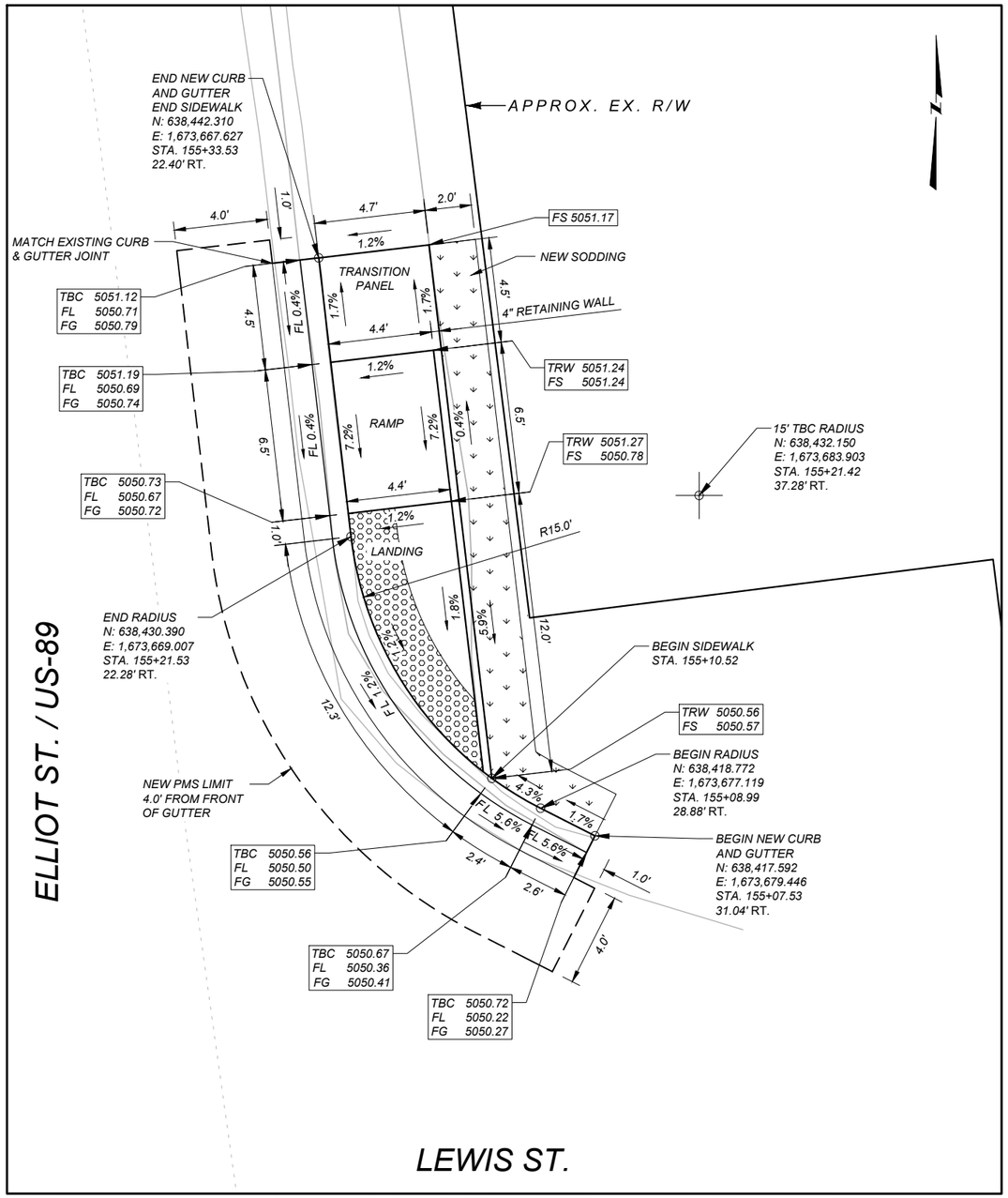
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & LEWIS ST.
## NORTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & LEWIS ST.
## NORTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 13

**ELLIOT ST/US-89 & LEWIS ST CURB RAMP DETAIL (NO SCALE)**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

MONTANA Department of Transportation

ROAD PLANS

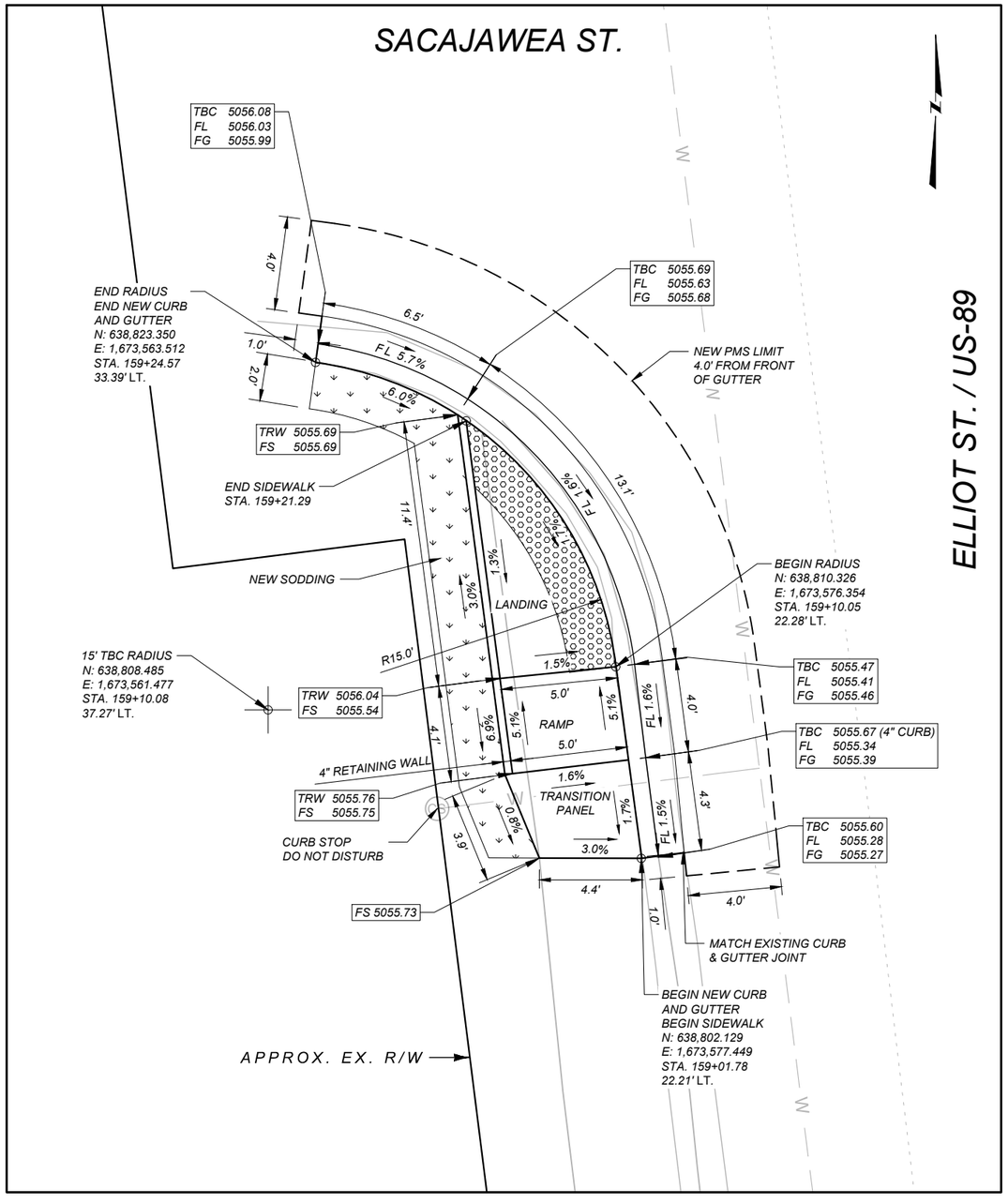
9943000RDCRR001.DWG

12/24/2024 7:02 AM

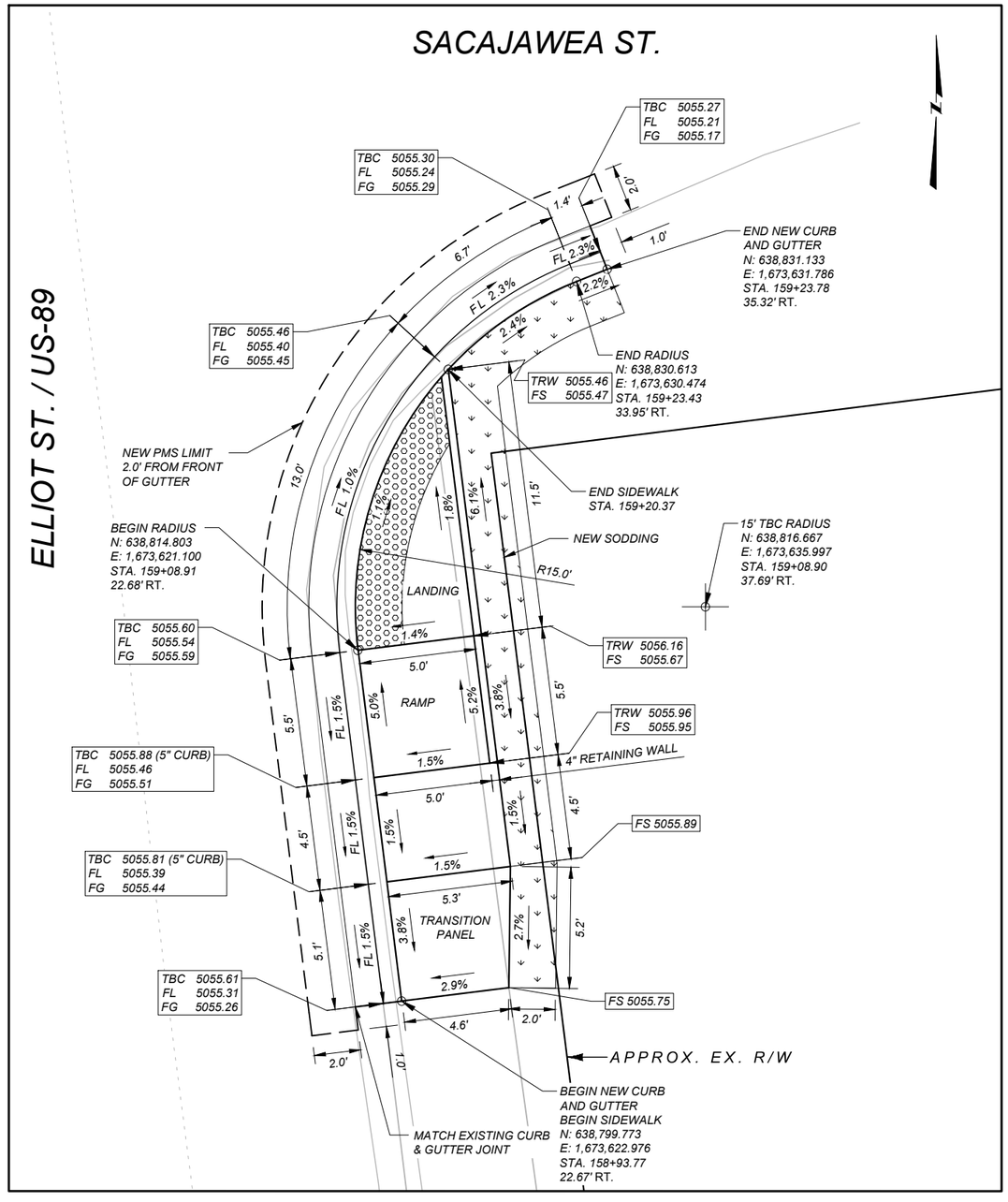
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & SACAJAWEA ST.
## SOUTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & SACAJAWEA ST.
## SOUTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 14

ELLIOT ST. / US-89
& SACAJAWEA ST.
CURB RAMP DETAIL
(NO SCALE)

| | | | |
|---|---|---|---|
| PROJECT NAME | WILSALL-N & S | | |
| COUNTY | PARK | PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 | | |

| | | | |
|---|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 | |
| REVIEWED BY | R. BARBULA | 08/2024 | |
| CHECKED BY | T. JOHNSON | 10/2024 | |

9943000RDCRR001.DWG

MONTANA
Department of Transportation

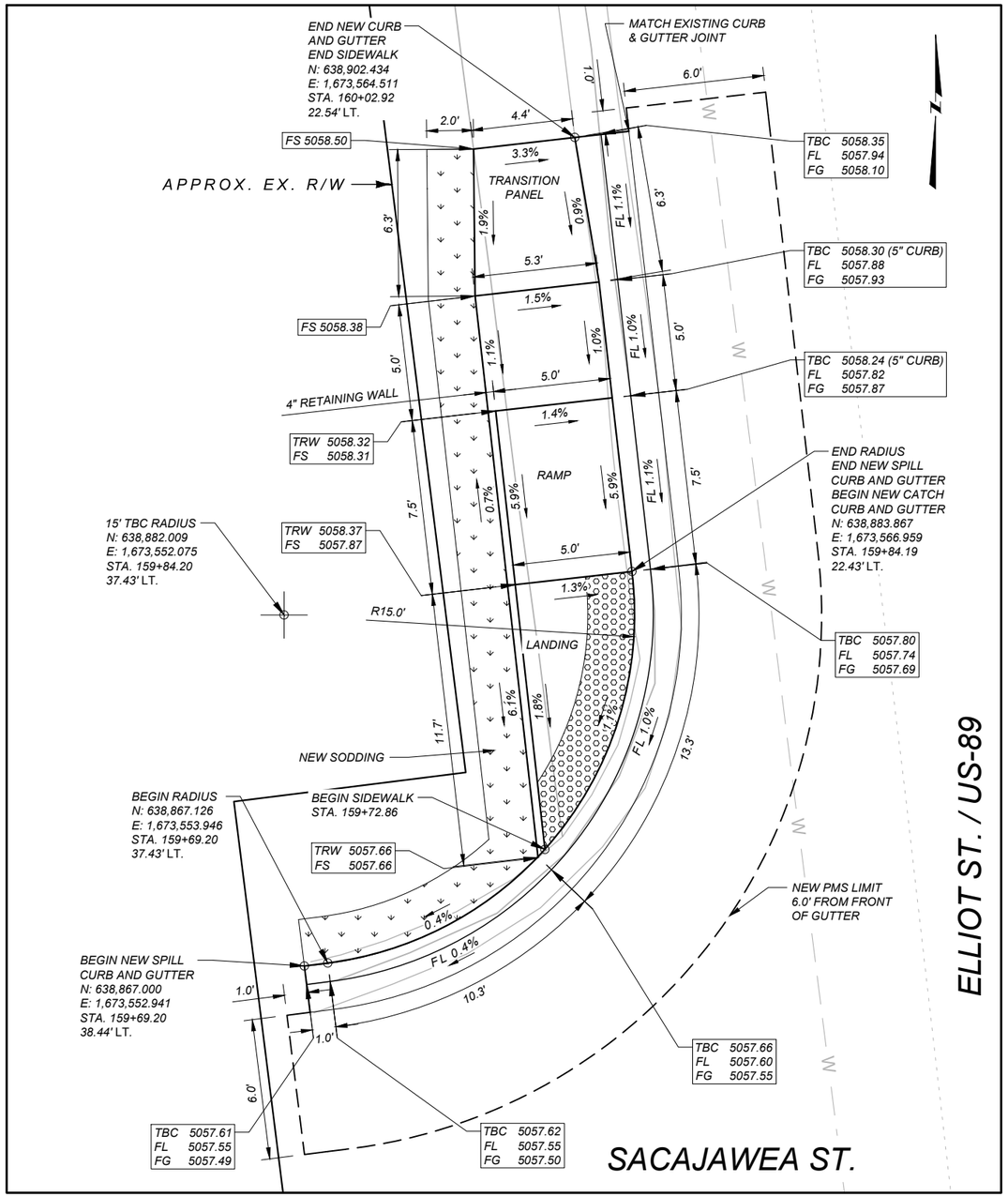
ROAD PLANS

12/24/2024 7:02 AM

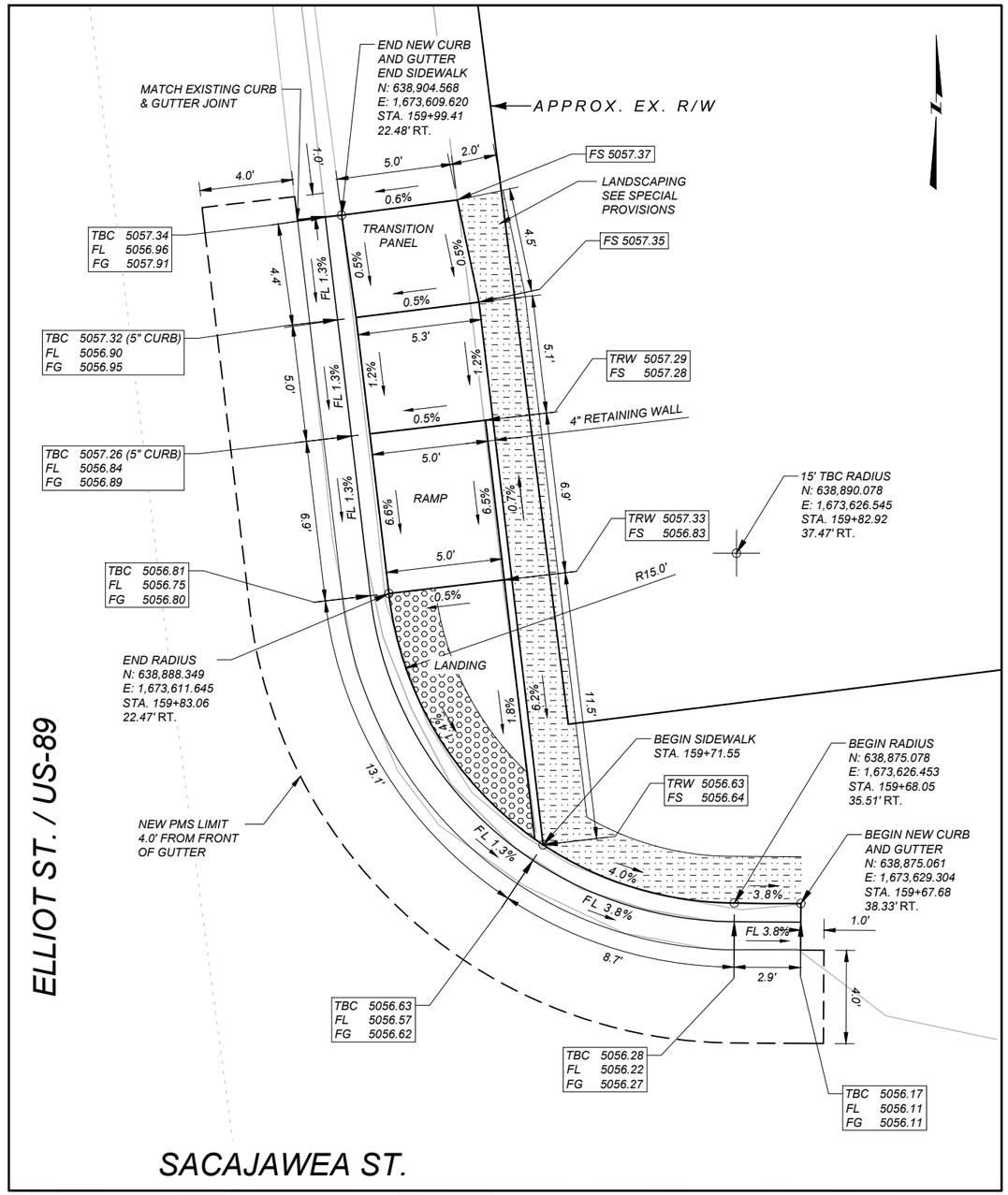
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & SACAJAWEA ST.
## NORTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & SACAJAWEA ST.
## NORTHEAST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 15

ELLIOT ST. / US-89 & SACAJAWEA ST. CURB RAMP DETAIL (NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDCRR001.DWG

MONTANA Department of Transportation

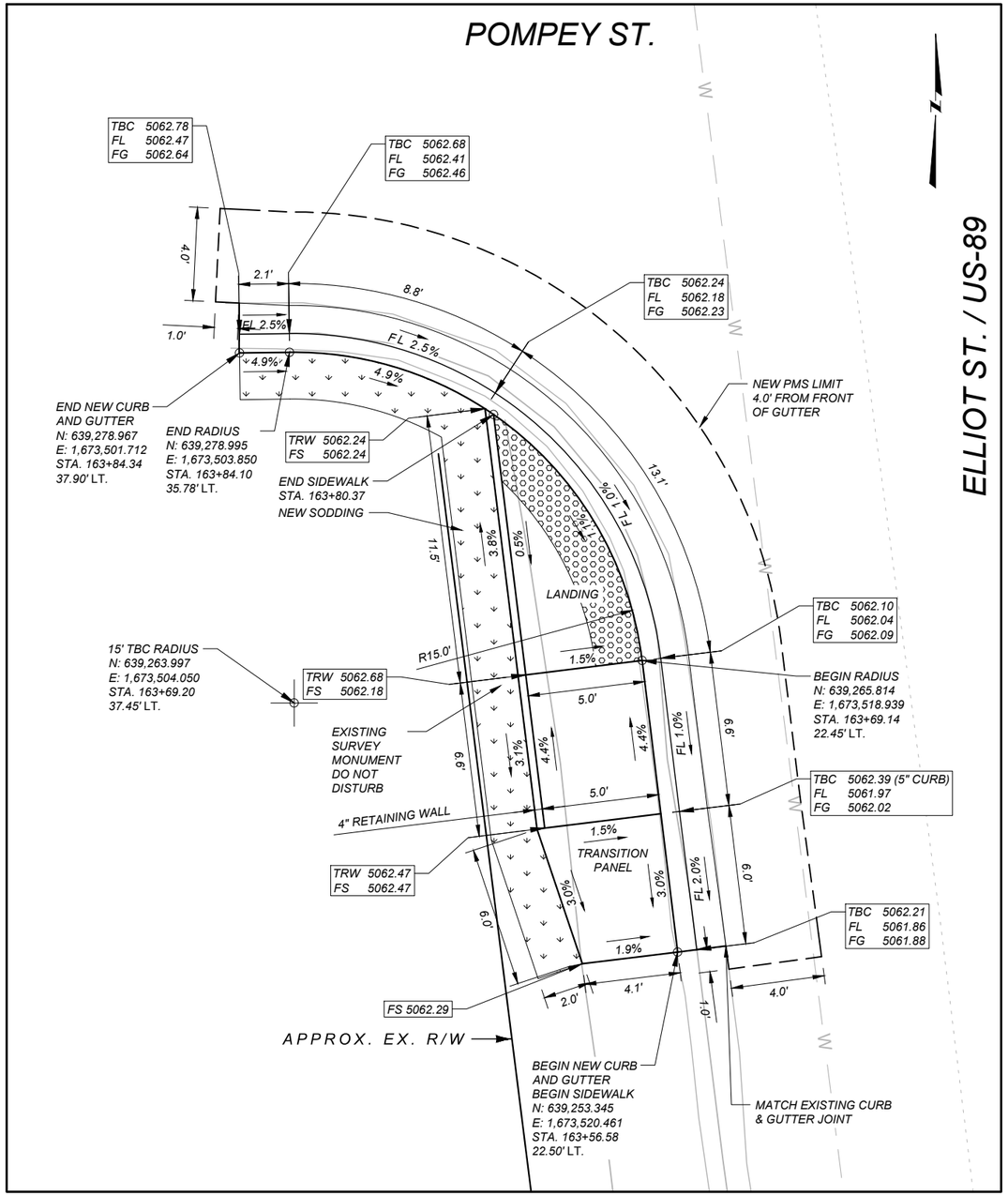
ROAD PLANS

12/24/2024 7:02 AM

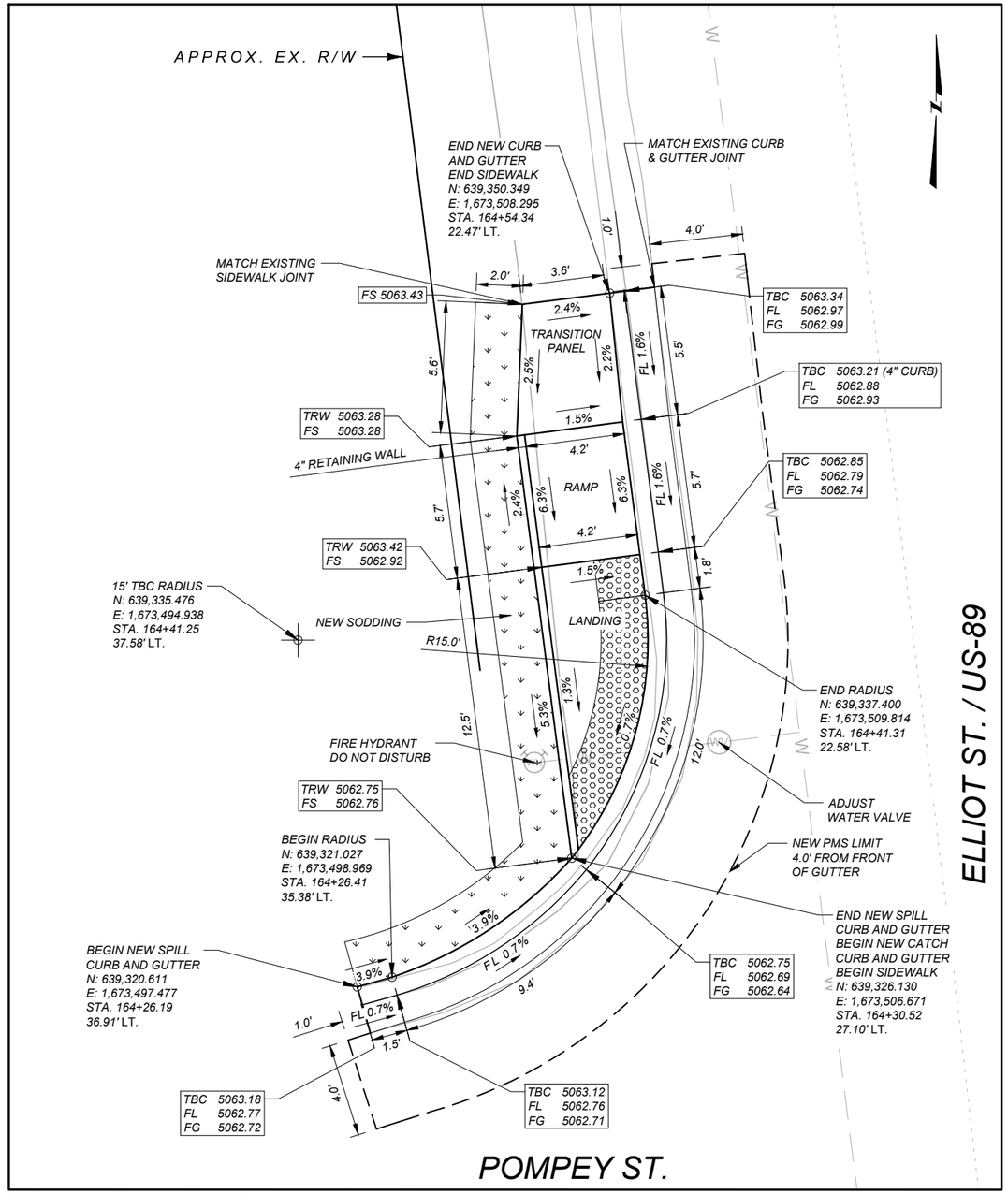
Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

## INTERSECTION OF ELLIOT ST. / US-89 & POMPEY ST.
## SOUTHWEST CORNER




## INTERSECTION OF ELLIOT ST. / US-89 & POMPEY ST.
## NORTHWEST CORNER




### LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO.
16

ELLIOT ST. / US-89 POMPEY ST.
CURB RAMP DETAIL
(NO SCALE)

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

MONTANA
Department of Transportation

ROAD PLANS

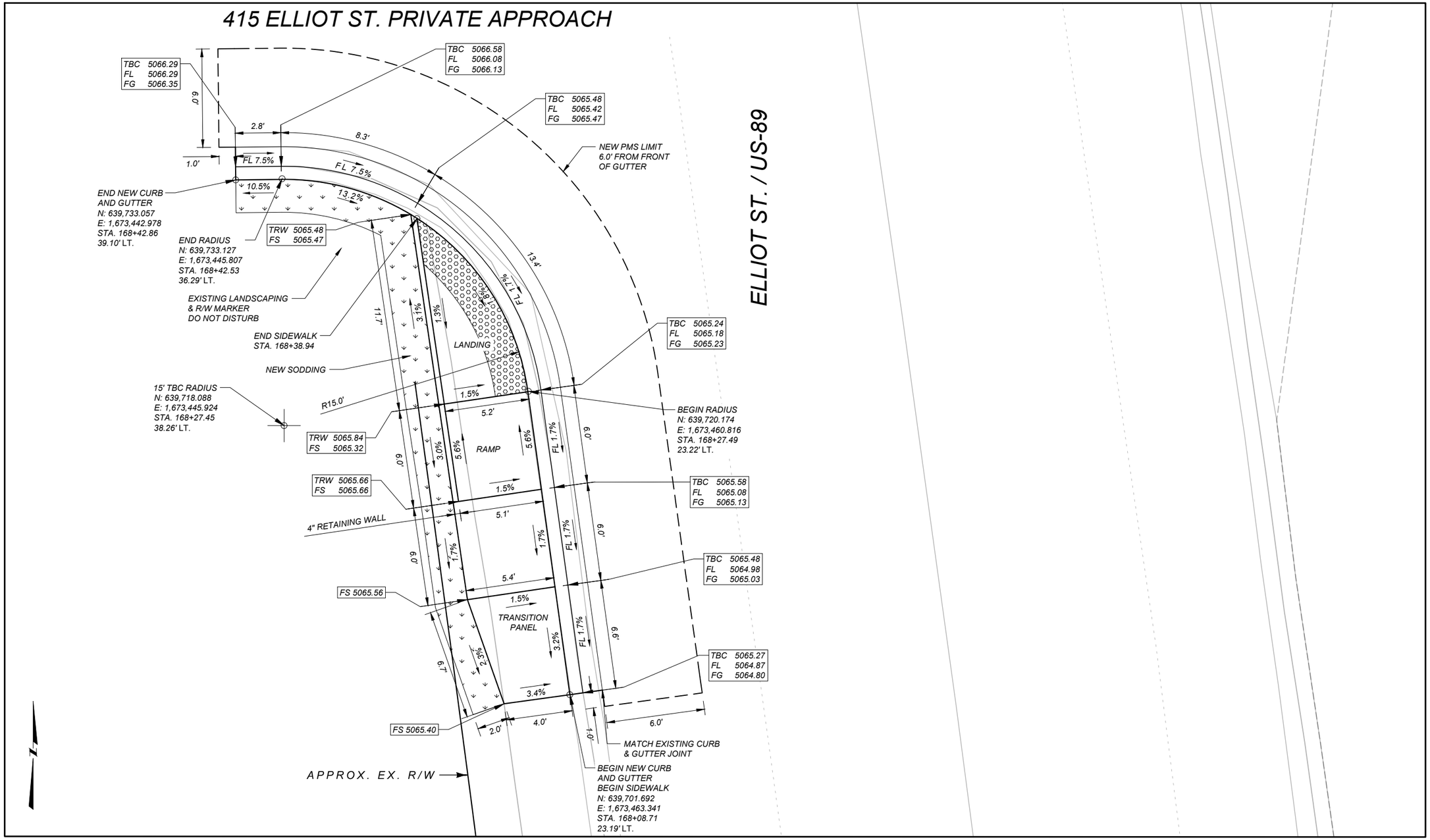
12/24/2024 7:02 AM

9943000RDCRR001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

# INTERSECTION OF ELLIOT ST. / US-89 & 415 ELLIOT ST. PRIVATE APPROACH
## SOUTHWEST CORNER




## LEGEND

FS = FINISHED SURFACE ELEV.
TBC = TOP BACK OF CURB ELEV.
FL = FLOW LINE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
FG = FRONT OF GUTTER ELEV.

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE. ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

ROUNDING CRITERIA USED TO DETERMINE THE SLOPES IS DIFFERENT THAN THE ROUNDING CRITERIA FOR THE ELEVATIONS AND DIMENSIONS SHOWN. ALL SLOPES ARE FOR INFORMATIONAL PURPOSES ONLY.

SHEET NO. 17

ELLIOT ST. / US-89 & 415 ELLIOT ST. PRIVATE APPROACH CURB RAMP DETAIL (NO SCALE)

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDCRR001.DWG

MONTANA Department of Transportation

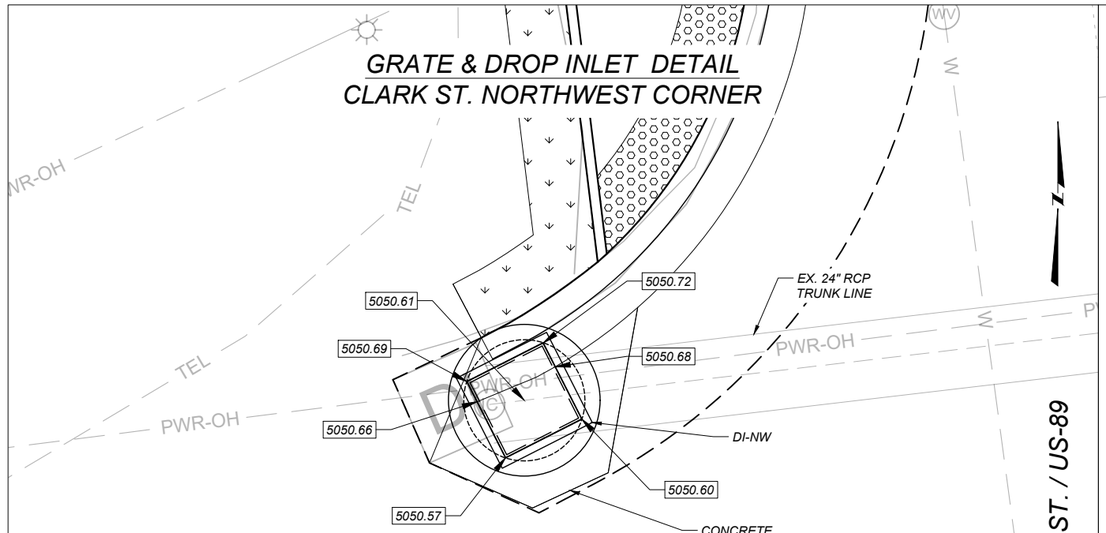
ROAD PLANS

12/24/2024 7:02 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



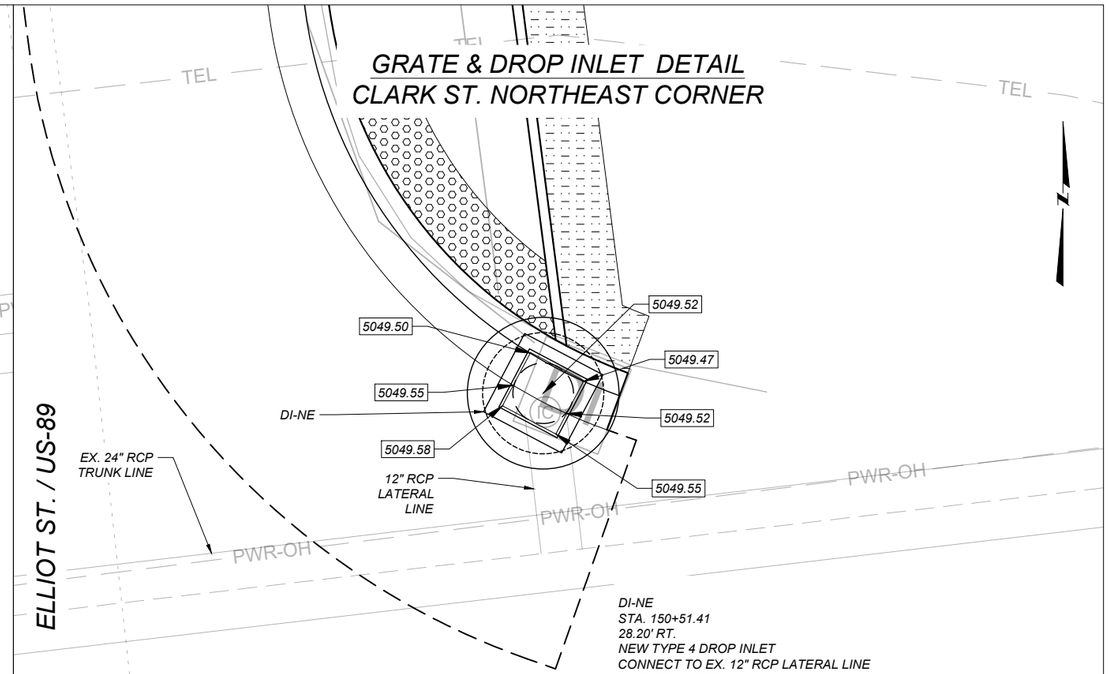
## GRATE & DROP INLET DETAIL
## CLARK ST. NORTHWEST CORNER




*DI-NW*
*STA. 150+46.66*
*31.98' LT.*
*NEW TYPE 1 DROP INLET*
*NEW CONCRETE APRON*
*CONNECT TO EX. 24" RCP TRUNK LINE*
**OUTLET INVERT = 5046.47*
*STRUCTURE INVERT = 5046.32*
*SUMP = 0.15'*
*GRATE SLOPED TO MATCH SPILL CURB*

*STA. 150+46.66*
*DROP INLET IN PL.*
*REMOVE*

## GRATE & DROP INLET DETAIL
## CLARK ST. NORTHEAST CORNER

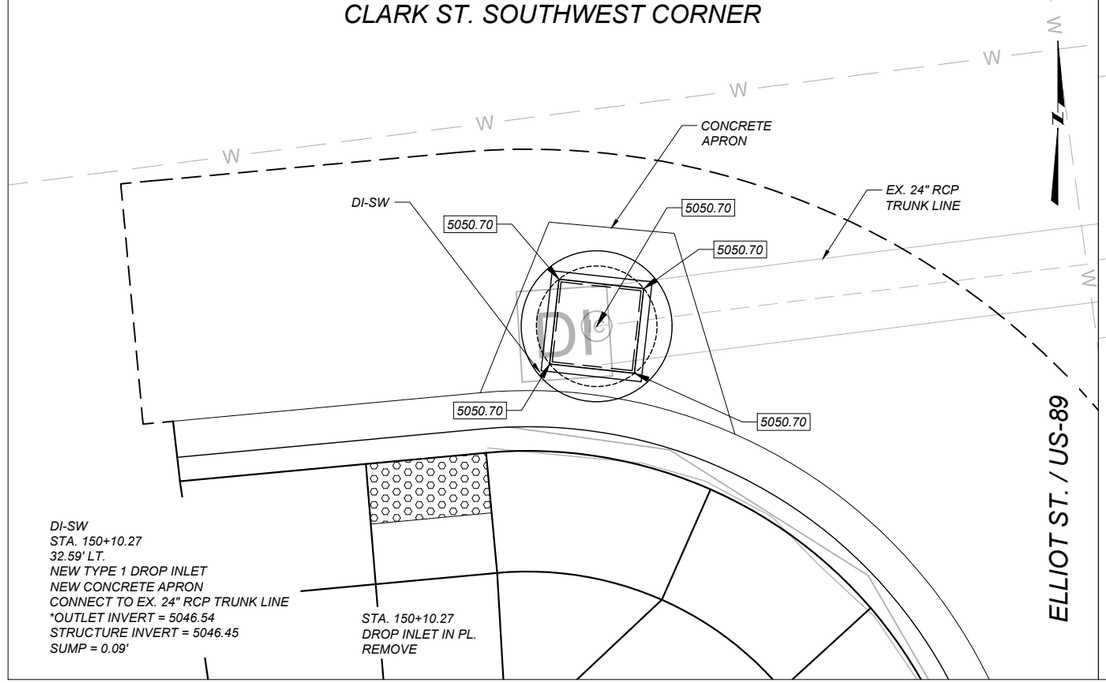



*DI-NE*
*STA. 150+51.41*
*28.20' RT.*
*NEW TYPE 4 DROP INLET*
*CONNECT TO EX. 12" RCP LATERAL LINE*
**OUTLET INVERT = 5046.55*
*STRUCTURE INVERT = 5046.22*
*SUMP = 0.33'*
*GRATE SLOPED TO MATCH CATCH CURB*

*STA. 150+51.41*
*DROP INLET IN PL.*
*REMOVE*

** INLET INVERT AND OUTLET INVERT ELEVATIONS ACCOUNT FOR PIPE THICKNESS. ELEVATIONS REPRESENT INVERT ON DROP INLET OR MANHOLE.*

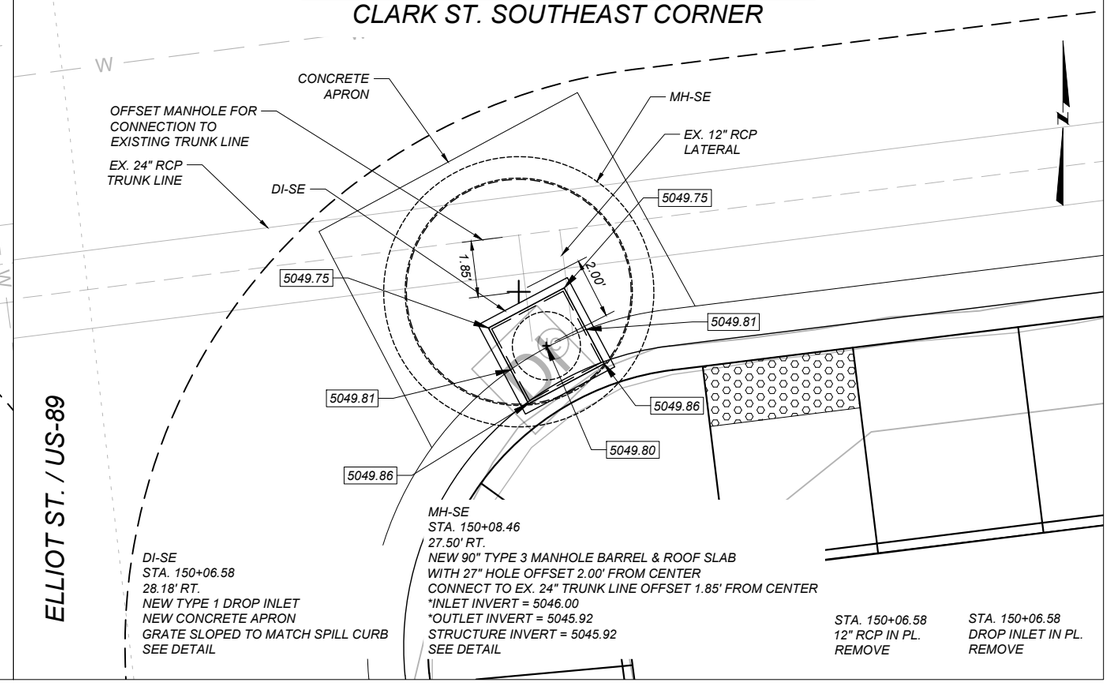
## GRATE & DROP INLET DETAIL
## CLARK ST. SOUTHWEST CORNER




*DI-SW*
*STA. 150+10.27*
*32.59' LT.*
*NEW TYPE 1 DROP INLET*
*NEW CONCRETE APRON*
*CONNECT TO EX. 24" RCP TRUNK LINE*
**OUTLET INVERT = 5046.54*
*STRUCTURE INVERT = 5046.45*
*SUMP = 0.09'*

*STA. 150+10.27*
*DROP INLET IN PL.*
*REMOVE*

## MANHOLE, GRATE & DROP INLET DETAIL
## CLARK ST. SOUTHEAST CORNER




*DI-SE*
*STA. 150+06.58*
*28.18' RT.*
*NEW TYPE 1 DROP INLET*
*NEW CONCRETE APRON*
*GRATE SLOPED TO MATCH SPILL CURB*
*SEE DETAIL*

*MH-SE*
*STA. 150+08.46*
*27.50' RT.*
*NEW 90" TYPE 3 MANHOLE BARREL & ROOF SLAB*
*WITH 27" HOLE OFFSET 2.00' FROM CENTER*
*CONNECT TO EX. 24" TRUNK LINE OFFSET 1.85' FROM CENTER*
**INLET INVERT = 5046.00*
**OUTLET INVERT = 5045.92*
*STRUCTURE INVERT = 5045.92*
*SEE DETAIL*

*STA. 150+06.58*
*12" RCP IN PL.*
*REMOVE*

*STA. 150+06.58*
*DROP INLET IN PL.*
*REMOVE*

**SHEET NO.** 18

**DROP INLET DETAIL (NO SCALE)**

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| | | | | | |
|---|---|---|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 | REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 | 9943000RDCRR001.DWG | | |

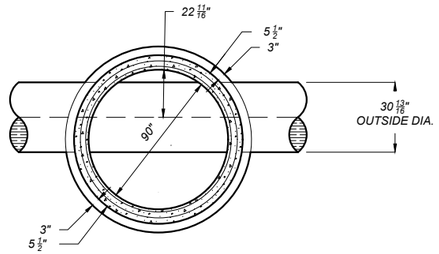
MONTANA Department of Transportation

ROAD PLANS

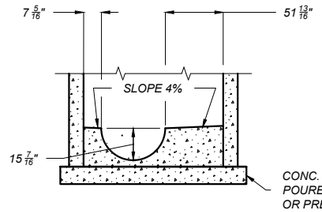
12/24/2024 7:02 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

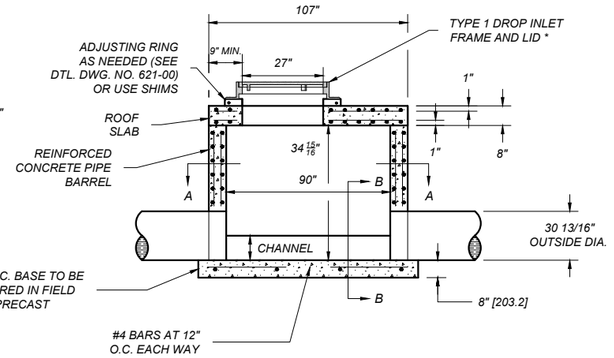
AWARD COPY




TYPE 3 SECTION A-A

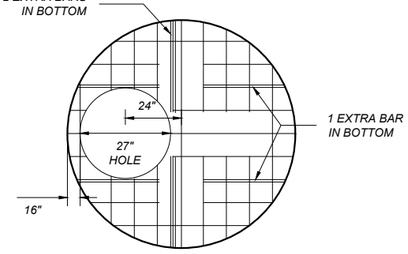



TYPE 3 SECTION B-B




TYPE 3 MANHOLE

* MINIMUM WEIGHT FOR FRAME AND LID IS 400 LB. TOOL RING AND COVER TO A MACHINE FIT. A LIGHTER FRAME AND LID MAY BE USED IF APPROVED BY THE FACILITY OWNER RESPONSIBLE FOR MAINTENANCE OF THE MANHOLE.




TYPE 3 MANHOLE ROOF SLAB

| TYPE 3 MANHOLE ROOF SLAB | | | |
|---|---|---|---|
| PIPE DIA. | SLAB DIA. | BOTTOM BARS | TOP BARS |
| 90" | 107" | #4 AT 4" | #4 AT 4" |

TYPE 3 MANHOLE

NOTES:

1. GROUT JOINT BETWEEN BASE AND WALL. A GROUT CONSISTING OF ONE PART PORTLAND CEMENT AND TWO PARTS APPROVED SAND MAY BE USED; AN APPROVED PREMIXED GROUT, AVAILABLE COMMERCIALLY, MAY BE USED.
2. CONFORM ALL MANHOLE CONSTRUCTION, EXCEPT FRAME, LID, AND BASE, TO AASHT0 M 199. THIS PROVIDES THAT REINFORCEMENT MAY BE MADE OF (1) COLD DRAWN STEEL WIRE- AASHTO M 32, (2) STEEL WIRE FABRIC- AASHTO M 55, OR (3) STEEL BARS- AASHTO M 31.
3. THE CONSTRUCTION AND REINFORCEMENT OF THE BASE FOR EACH TYPE MUST BE COMPATIBLE WITH THE CONDITIONS AND THE WEIGHT OF THE SUPER-STRUCTURE. AASHTO M 199 PROVIDES FOR 4000 PSI CONCRETE. THE MIX CALLS FOR 6 SACKS OF CEMENT PER CUBIC YARD. REINFORCEMENT SHOWN IS ILLUSTRATIVE ONLY. SEE AASHTO M 199

SHEET NO. 19

**TYPE 3 CONCRETE MANHOLE**
**CLARK ST. SE CORNER**
**(NO SCALE)**

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | REVIEWED BY | CHECKED BY |
|---|---|---|
| J. BERAN 08/2024 | R. BARBULA 08/2024 | T. JOHNSON 10/2024 |

9943000RDDET001.DWG

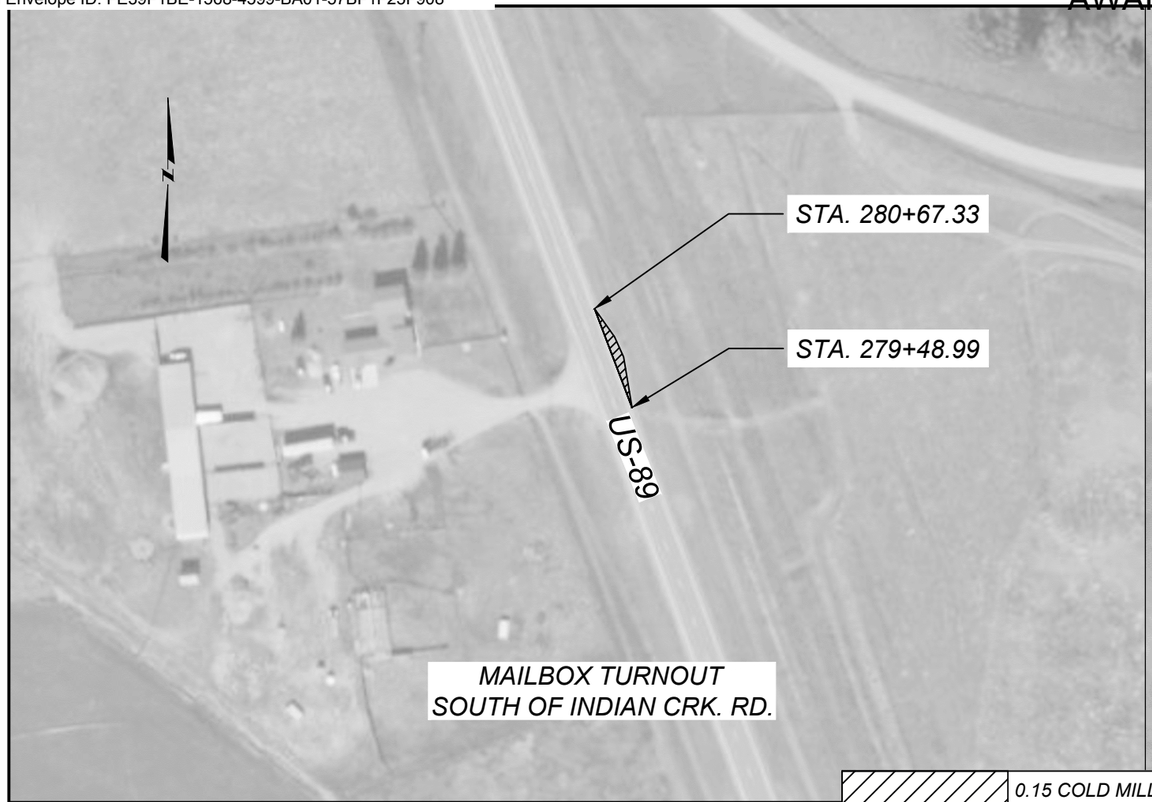
MONTANA
Department of Transportation

ROAD PLANS

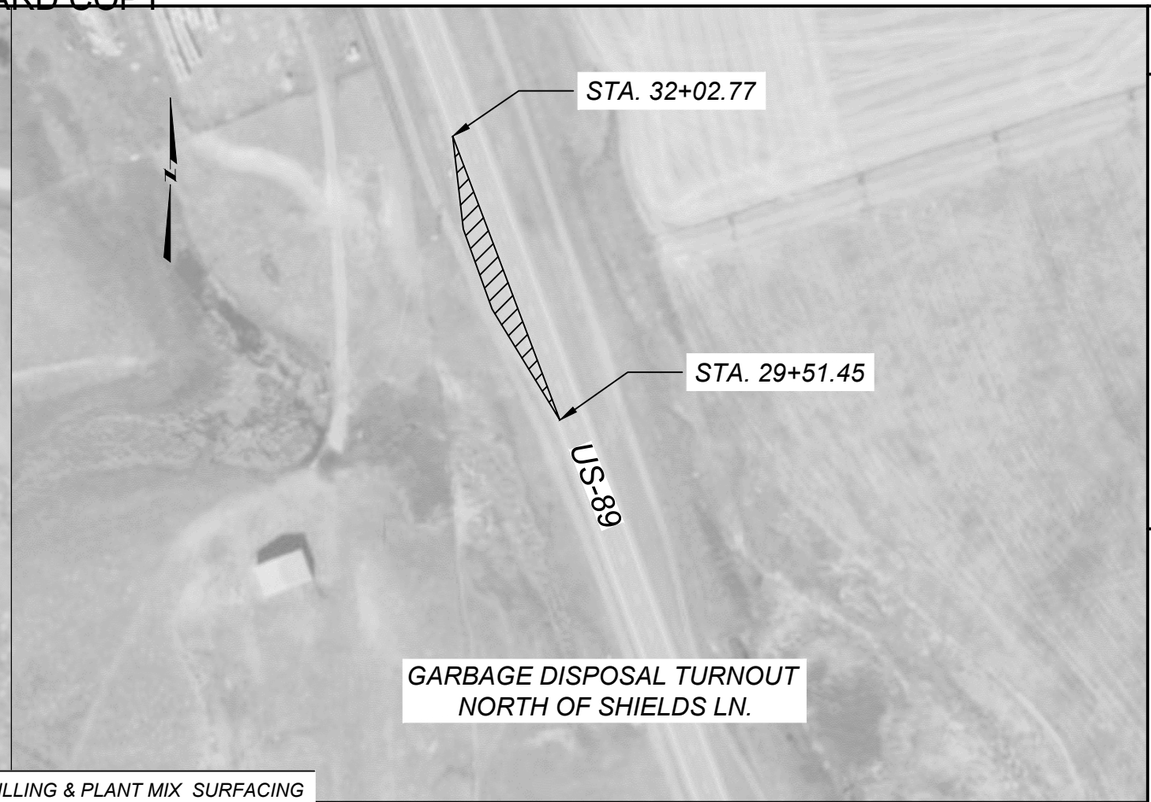
12/24/2024 7:38 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




MAILBOX TURNOUT
SOUTH OF INDIAN CRK. RD.




GARBAGE DISPOSAL TURNOUT
NORTH OF SHIELDS LN.

0.15 COLD MILLING & PLANT MIX SURFACING
SEAL & COVER




MAILBOX TURNOUT
NEAR RP 22




HISTORICAL TURNOUT

**SHEET NO.**
20

**TURNOUT DETAIL**
**(NO SCALE)**

PROJECT NAME: **WILSALL-N & S**
COUNTY: **PARK**
PROJECT ID: **STPP 59-1(30)20**
UPN: **9943000**

| DESIGNED BY | | REVIEWED BY | | CHECKED BY | |
|---|---|---|---|---|---|
| J. BERAN | 08/2024 | R. BARBULA | 08/2024 | T. JOHNSON | 10/2024 |

9943000RDDET001.DWG

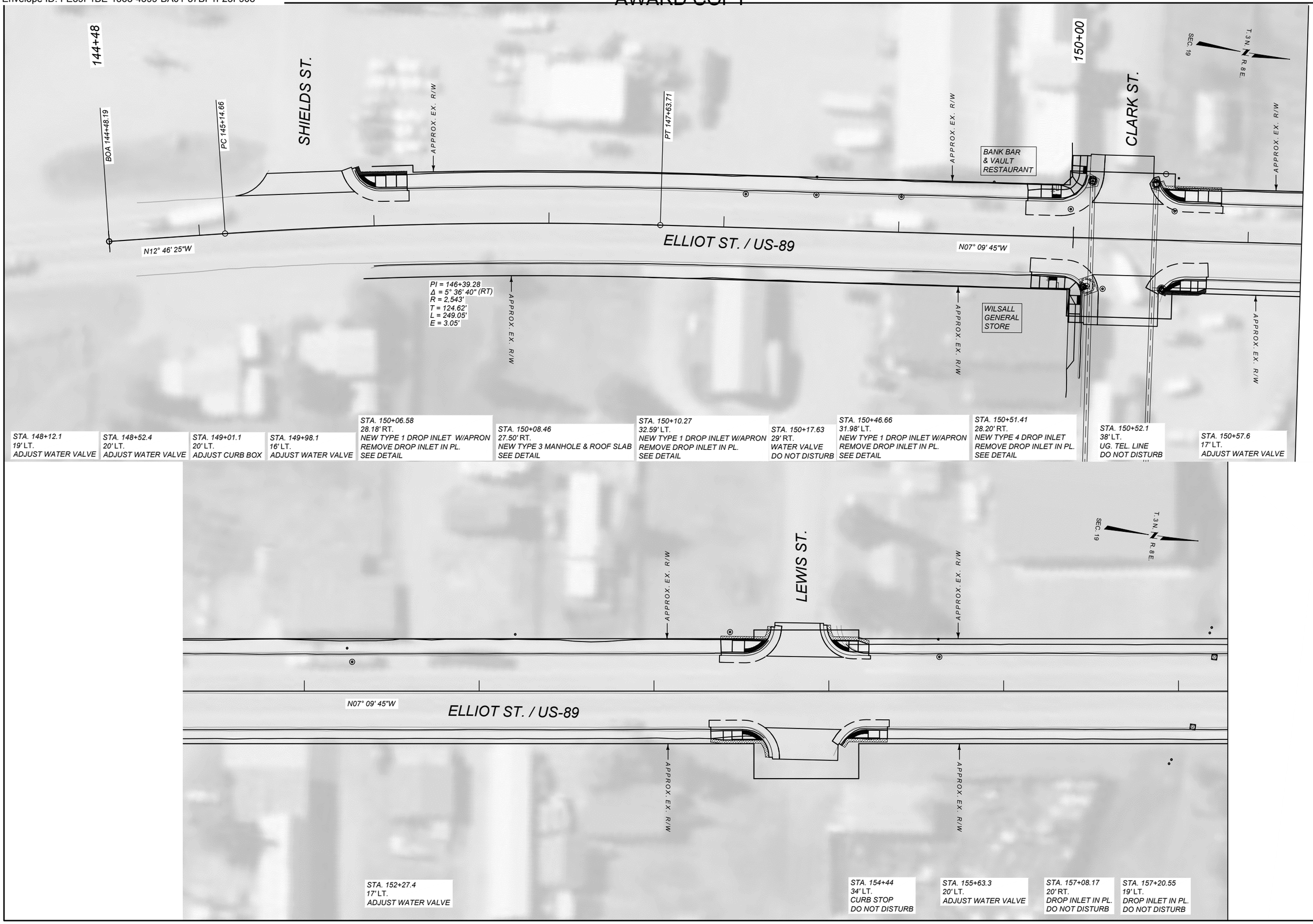
MONTANA
Department of Transportation

**ROAD PLANS**

12/24/2024 7:38 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




SHEET NO.
21

PLANS

PROJECT NAME: WILSALL-N & S

COUNTY: PARK

PROJECT ID: STPP 59-1(30)20

UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| J. BERAN | 08/2024 | R. BARBULA | 08/2024 | T. JOHNSON | 10/2024 |

9943000RDPLP001.DWG

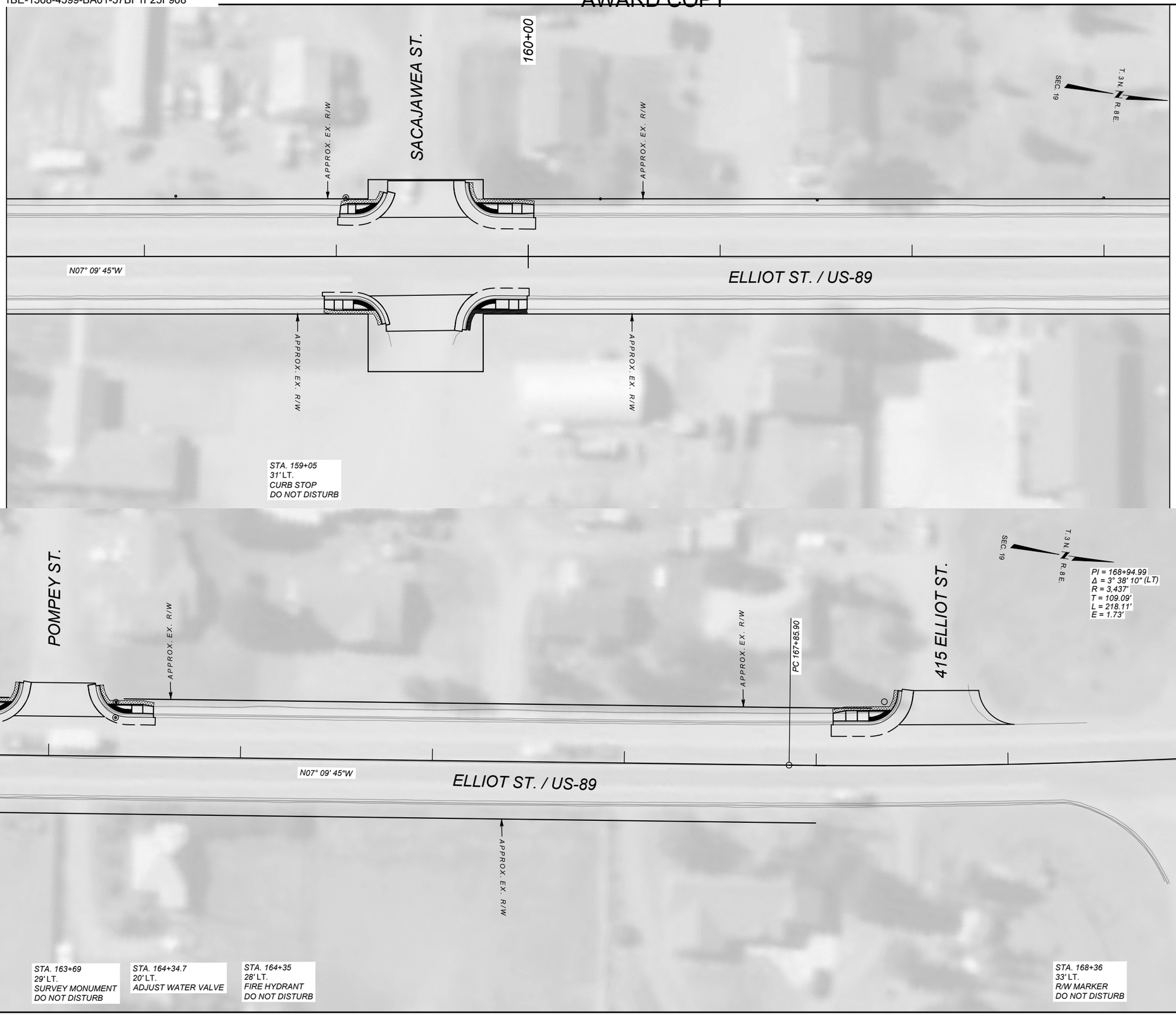
MONTANA
Department of Transportation

ROAD PLANS

12/24/2024 7:25 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




**SHEET NO.** 22

**PLANS**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | J. BERAN | 08/2024 |
| REVIEWED BY | R. BARBULA | 08/2024 |
| CHECKED BY | T. JOHNSON | 10/2024 |

9943000RDPLP001.DWG

MONTANA
Department of Transportation

**ROAD PLANS**

12/24/2024 7:25 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

# NOTES AND ABBREVIATIONS:

MOUNTING HEIGHT REQUIREMENTS: MOUNTING HEIGHTS SHOWN REFER TO THE BOTTOM OF THE MAJOR PANEL. SEE DETAILED DRAWINGS 619-00 & 619-08

ALL MARKINGS ARE PAINT, EXCEPT AS NOTED. WHERE SPECIFIED ON THE PLANS AS PLASTIC, INSTALL INLAID HOT EXTRUDED HYDRO-CARBON THERMOPLASTIC PAVEMENT MARKINGS.

SEE LOCATION AND SPECIFICATION SHEETS FOR PORTIONS OF PROJECT NOT INCLUDED WITHIN SIGNING PLAN SHEETS.

SIGN POSTS SYMBOLS SHOWN ARE FOR REFERENCE ONLY TO SHOW EXISTING SIGNS THAT REQUIRE NO ACTION.

SIGNING LOCATIONS ARE APPROXIMATE. ENGINEERING PROJECT MANAGER TO FIELD ADJUST AS NECESSARY.

ADOPT A HIGHWAY: IF SIGNS N7-1/N7-1P EXIST, CONTRACTOR WILL CONFIRM THAT THE GROUP NAME ON THE SIGN(S) EXISTING AT THE TIME OF CONSTRUCTION CORRESPONDS TO THE GROUP NAME ON THE SIGN(S) SHOWN IN PLANS. IF NAME IS DIFFERENT, ENGINEERING PROJECT MANAGER WILL CONTACT TRAFFIC & SAFETY BUREAU SIGNING SECTION WITH THE CORRECT NAME AND A NEW SIGN DESIGN WILL BE PROVIDED.

| | | |
|---|---|---|
| ✕ | = | STANDARD BREAKAWAY DEVICE:<br>• FOR WOOD POST SEE DETAILED DRAWING 619-20.<br>• FOR STRUCTURAL STEEL SEE DETAILED DRAWING 619-13. |
| ▲ | = | SINGLE SQUARE TUBE REQUIRED. MOUNTED IN HEAVY DUTY STUB. |
| ★ | = | TELESCOPED SQUARE TUBES (2-1/4" & 2-1/2") WITH SLIP BASE BREAKAWAY REQUIRED. MOUNTED IN HEAVY DUTY STUB. |
| ■ | = | FRANGIBLE SIGN POST. BREAKAWAY DEVICE REQUIRED. |
| AIR | = | ANGLE IRON REQUIRED<br>2 1/2" x 2 1/2" x 3/8" x 6'-4" (37 lbs.) |
| BBR | = | BACKBRACING REQUIRED:<br>• -FOR WOOD POST 2" X 4" REQ'D.<br>• - FOR STRUCTURAL STEEL 2" X 2" X 1/4" ANGLE IRON REQ'D. |
| BGR | = | BEHIND GUARDRAIL |
| FY | = | FLUORESCENT YELLOW SHEETING REQUIRED. |
| FYG | = | FLUORESCENT YELLOW - GREEN SHEETING REQUIRED. |
| MBB | = | MOUNT BACK TO BACK |
| RSFO | = | REPLACE SIGN FACE ONLY |

## SUMMARY
## SIGNING & DELINEATION QUANTITIES

| MATERIAL | TOTALS | UNIT |
|---|---|---|
| SIGNS-SHEET ALUM SHT INCR XI | 40.0 | SQFT |
| SIGNS-ALUM REFL SHEET XI | 451.0 | SQFT |
| REMOVE SIGN | 58 | EACH |
| REMOVE SIGN-GUIDE | 1 | EACH |
| POSTS-STEEL U SIGN | 80 | LB |
| POSTS-STEEL STRUCTURAL SIGN | 367 | LB |
| POSTS-TUBULAR STEEL-SQ-PERF | 478 | LB |
| POLES-TREATED WOOD 4 IN | 392 | LNFT |
| POLES-TREATED WOOD 5 IN | 122 | LNFT |
| FRANG SIGN POST BKWY-S5 X 10 (S130X15) | 2 | EACH |
| SQ TUBLR SLIP BASE BKWY-3 IN (76MM) | 6 | EACH |
| DELINEATOR TYPE 1 | 112 | EACH |
| REMOVE HISTORICAL MARKER | 1 | EACH |
| HISTORICAL MARKER | 1 | EACH |

| DELINEATION SPECIFICATIONS | | |
|---|---|---|
| SYMBOL | DESIGN | TOTALS |
| ⊣ | A | 104 |
| ⊣⊢ | D | 8 |

SHEET NO.
S1

SIGNING SUMMARY
FRAMES AND NOTES

PROJECT NAME WILSALL-N & S
COUNTY PARK
PROJECT ID STPP 59-1(30)20
UPN 9943000

DESIGNED BY S. WATSON 09/2024
REVIEWED BY T. MURFITT 09/2024
CHECKED BY N. STYREN 09/2024

9943000SISUM001.DWG

MONTANA
Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | TYPE OF SUPPORT | FEET | | | | | | | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 5+65 | | NB | | W14-3 48x48x36 | 48 X 36 | FY | BBR | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.5 | | 14 | | | | | 1 | | | | | NO PASSING ZONE | REPLACE - NO PASSING ZONE |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11+47 | | NB | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | Indian Creek Rd | REMOVE - D3 - INDIAN CREEK RD |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11+49 | | NB | | D3 (2x) | 42 X 12 | | | MBB | | 6.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.8 | | | | | | 7.0 | | 14 | | | | | 1 | | | | Indian Creek Rd | REPLACE - D3 - INDIAN CREEK RD |
| | | X | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 15+64 | | NB | | D10-2 | 10 X 27 | | | MBB | | 4.0 | 2.0lb Steel U Post | | 4.0 | | 3.0 | 10.0 | | | | | | 3.8 | | | | | | 20 | 1 | | | | MILE 2 1 | REPLACE - REFERENCE POST (21) |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17+08 | | NB | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | Shields Ln | REMOVE - D3 - SHIELDS LN |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17+12 | | NB | | D3 (2x) | 30 X 12 | | | MBB | | 6.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.8 | | | | | | 5.0 | | 14 | | | | | 1 | | | | Shields Ln | REPLACE - D3 - SHIELDS LN |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 22+52 | | NB | | W14-3 48x48x36 | 48 X 36 | FY | BBR | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.5 | | 14 | | | | | 1 | | | | NO PASSING ZONE | REPLACE - NO PASSING ZONE |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70+60 | | NB | | D10-2 | 10 X 27 | | | MBB | | 4.0 | 2.0lb Steel U Post | | 4.0 | | 3.0 | 10.0 | | | | | | 3.8 | | | | | | 20 | 1 | | | | MILE 2 2 | REPLACE - REFERENCE POST (22) |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70+60 | | NB | | N7-1 | 36 X 48 | | BBR | | | 20.0 | 5" Treated Wood Pole | | 5.0 | | 3.5 | 16.1 | | | | X | | 12.0 | | | 18 | | | | 1 | | | | ADOPT A HIGHWAY KEEP IT GREEN KEEP IT CLEAN | REPLACE - ADOPT A HIGHWAY |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70+60 | | NB | | N7-1 | 36 X 48 | | BBR | | | 20.0 | 5" Treated Wood Pole | | 5.1 | | 3.5 | 16.2 | | | | X | | 12.0 | | | 18 | | | | 1 | | | | ADOPT A HIGHWAY KEEP IT GREEN KEEP IT CLEAN | REPLACE - ADOPT A HIGHWAY |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | N7-1P | 36 X 12 | | BBR | | | | | | | | | | | | | | | 3.0 | | | | | | | | | | WOMEN OF WILSALL | REPLACE - WOMEN OF WILSALL |
| 109+58 | | NB | | W14-3 48x48x36 | 48 X 36 | FY | BBR | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.5 | | 14 | | | | | 1 | | | | NO PASSING ZONE | REPLACE - NO PASSING ZONE |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SHEET NO.
S2

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | TYPE OF SUPPORT | FEET | | | | | | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 120+93 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | W3-5 | 36 X 36 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 14.0 | | | | | 9.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT CHANGE AHEAD (45) |
| 123+33 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D10-2 | 10 X 27 | | | MBB | | 4.0 | 2.0lb Steel U Post | | 4.0 | | 3.0 | 10.0 | | | | | 3.8 | | | | | | | 20 | 1 | | | |  | REPLACE - REFERENCE POST (23) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 126+02 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 (2x) | 42 X 12 | | | MBB | | 6.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.8 | | | | | 7.0 | | 14 | | | | | | 1 | | | |  | REPLACE - D3 - HORSE CREEK RD |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | |  | REPLACE - STOP |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 128+98 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D1-2a | 120 X 36 | | BBR | | | 20.0 | S5x10 Structural Steel | | 7.0 | | 3.5 | 17.2 | 19.5 | | | ■ | | 30.0 | | | | | 367 | | | 1 | | |  | REPLACE - CLYDE PARK 8/ JCT I-90 22 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 131+99 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | M3-3 | 24 X 12 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.9 | | | | | 2.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SOUTH |
| | | | | M1-4 | 24 X 24 | | | | | | | | | | | | | | | | 4.0 | | | | | | | | | |  | REPLACE - ROUTE (89) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132+99 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R2-2A | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - TRUCK SPEED LIMIT (65) |
| 134+93 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (45) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 134+93 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 6.1 | | 3.0 | 13.4 | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (70) |
| | | | | R2-3 | 24 X 24 | | | | | | | | | | | | | | | | 4.0 | | | | | | | | | |  | REPLACE - NIGHT SPEED LIMIT (65) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 139+29 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | N6-1 | 42 X 24 | | BBR | | | 20.0 | 4" Treated Wood Pole | | 7.0 | | 3.0 | 12.0 | | | | | 7.0 | | 12 | | | | | | 1 | | | |  | REPLACE - ENTERING WILSALL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 143+02 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R1-1 | 30 X 30 | | | | | 6.0 | 4" Treated Wood Pole | | 7.0 | | 3.0 | 13.7 | | | | | 5.2 | | 14 | | | | | | 1 | | | |  | REPLACE - STOP |

SHEET NO.
S3

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | TYPE OF SUPPORT | FEET | | | | | | | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | CANTILEVER | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 144+03 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 7.0 | | 3.0 | 14.3 | | | | | 5.0 | | 16 | | | | | | 1 | | | | SPEED LIMIT 35 | REPLACE - SPEED LIMIT (35) |
| 144+03 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 7.0 | | 3.0 | 14.3 | | | | | 5.0 | | 16 | | | | | | 1 | | | | SPEED LIMIT 45 | REPLACE - SPEED LIMIT (45) |
| 144+82 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Shields St W | REMOVE - D3 - SHIELDS ST W |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St S | REMOVE - D3 - ELLIOT ST S |
| 144+88 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 (2x) | 42 X 12 | | | MBB | | 6.0 | 5" Treated Wood Pole | | 7.0 | | 3.5 | 16.4 | | | | X | 7.0 | | | 18 | | | | | 1 | | | | Shields St W | REPLACE - D3 - SHIELDS ST W |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | 6.0 | | | | | | | | | | | Elliot St S | REPLACE - D3 - ELLIOT ST S |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | | STOP | REPLACE - STOP |
| 149+38 | | NB | | | | | | | | | MOUNT ON RRFB | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | S1-1 | 36 X 36 | FYG | | | | | | | 8.3 | | | | | | | | 6.8 | | | | | | | | | | | | | NEW - SCHOOL CROSSING **SEE ELECTRICAL PLANS |
| | | | | W16-7PR | 24 X 12 | FYG | | | | | | | 7.0 | | | | | | | | 2.0 | | | | | | | | | | | | | NEW - DOWN RIGHT ARROW |
| | | | | S1-1 | 36 X 36 | FYG | | | | | | | 8.3 | | | | | | | | 6.8 | | | | | | | | | | | | | NEW - SCHOOL CROSSING **SEE ELECTRICAL PLANS |
| | | | | W16-7PL | 24 X 12 | FYG | | | | | | | 7.0 | | | | | | | | 2.0 | | | | | | | | | | | | | NEW - DOWN LEFT ARROW |
| 149+38 | | NB | | | | | | | | | MOUNT ON RRFB | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | S1-1 | 36 X 36 | FYG | | | | | | | 8.3 | | | | | | | | 6.8 | | | | | | | | | | | | | NEW - SCHOOL CROSSING **SEE ELECTRICAL PLANS |
| | | | | W16-7PL | 24 X 12 | FYG | | | | | | | 7.0 | | | | | | | | 2.0 | | | | | | | | | | | | | NEW - DOWN LEFT ARROW |
| | | | | S1-1 | 36 X 36 | FYG | | | | | | | 8.3 | | | | | | | | 6.8 | | | | | | | | | | | | | NEW - SCHOOL CROSSING **SEE ELECTRICAL PLANS |
| | | | | W16-7PR | 24 X 12 | FYG | | | | | | | 7.0 | | | | | | | | 2.0 | | | | | | | | | | | | | NEW - DOWN RIGHT ARROW |

SHEET NO.
S4

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | | REVIEWED BY | | CHECKED BY | |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | | FEET | | | | | | | | | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | TYPE OF SUPPORT | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 149+55 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 (2x) | 36 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 6.0 | | | | | 70 | | | 1 | | | | Clark St W | REPLACE - D3 - CLARK ST W |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | | Elliot St S | REPLACE - D3 - ELLIOT ST S |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | | STOP | REPLACE - STOP |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150+08 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | Clark St W | REMOVE - D3 - CLARK ST W |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St S | REMOVE - D3 - ELLIOT ST S |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150+10 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 (2x) | 36 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 6.0 | | | | | 70 | | | 1 | | | | Clark St E | REPLACE - D3 - CLARK ST E |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | | Elliot St S | REPLACE - D3 - ELLIOT ST S |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | | STOP | REPLACE - STOP |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150+16 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R1-5L | 30 X 30 | | | | | 2.0 | 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.0 | | | | ▲ | | 6.3 | | | | | 58 | | | | | | | HERE TO | NEW - YIELD HERE TO PEDESTRIANS |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150+21 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | Clark St E | REMOVE - D3 - CLARK ST E |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St S | REMOVE - D3 - ELLIOT ST S |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 154+16 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | Lewis St W | REMOVE - D3 - LEWIS ST W |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St S | REMOVE - D3 - ELLIOT ST S |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SHEET NO.
S5

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | | FEET | | | | | | | | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | TYPE OF SUPPORT | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 154+18 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 (2x) | 36 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 6.0 | | | | | 70 | | | 1 | | | | Lewis St W | REPLACE - D3 - LEWIS ST W |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | Elliot St N | REPLACE - D3 - ELLIOT ST N |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 158+75 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | Sacajawea St W | REMOVE - D3 - SACAJAWEA ST W |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St N | REMOVE - D3 - ELLIOT ST N |
| 158+79 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 (2x) | 42 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 7.0 | | | | | 70 | | | 1 | | | | Sacajawea St W | REPLACE - D3 - SACAJAWEA ST W |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | Elliot St N | REPLACE - D3 - ELLIOT ST N |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 159+26 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 (2x) | 42 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 7.0 | | | | | 70 | | | 1 | | | | Sacajawea St E | REPLACE - D3 - SACAJAWEA ST E |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | Elliot St N | REPLACE - D3 - ELLIOT ST N |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 159+31 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | Sacajawea St E | REMOVE - D3 - SACAJAWEA ST E |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St N | REMOVE - D3 - ELLIOT ST N |
| 159+56 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NO SIGN PANEL | REMOVE |
| | | X | | POST | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |

SHEET NO.
S6

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | | FEET | | | | | | | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | RAMP NO. | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | TYPE OF SUPPORT | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 163+34 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | Pompey St | REMOVE - D3 - POMPEY ST |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St N | REMOVE - D3 - ELLIOT ST N |
| 163+38 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D3 (2x) | 36 X 12 | | | MBB | | 2.0 | 2.25" 2.5" Tubular Stl-Square | | 7.0 | | 3.0 | 11.7 | | | | ★ | | 6.0 | | | | | 70 | | | 1 | | | | Pompey St | REPLACE - D3 - POMPEY ST |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | Elliot St N | REPLACE - D3 - ELLIOT ST N |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 166+74 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | NF-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NATIONAL FOREST ACCESS SHIELDS RIVER | USE AS IS - NATIONAL FOREST ACCESS - SHIELDS RIVER |
| | | | | M6-1R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | USE AS IS - RIGHT ARROW |
| 167+95 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | POST | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | NO SIGN PANEL | REMOVE |
| 168+93 | | NB | | | | | BBR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | N6-1 | 42 X 24 | | | | | 20.0 | 4" Treated Wood Pole | | 7.0 | | 3.0 | 12.0 | | | | | | 7.0 | | 12 | | | | | | 1 | | | | ENTERING WILSALL | REPLACE - ENTERING WILSALL |
| 169+93 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 (2x) | 42 X 12 | | | MBB | | 6.0 | 5" Treated Wood Pole | | 7.0 | | 3.5 | 16.4 | | | | ✕ | | 7.0 | | | 18 | | | | | 1 | | | | Shields River Rd | REPLACE - D3 - SHIELD RIVER RD |
| | | | | D3 (2x) | 36 X 12 | | | MBB | | | | | | | | | | | | | | 6.0 | | | | | | | | | | Elliot St N | REPLACE - D3 - ELLIOT ST N |
| | | | | R1-1 | 30 X 30 | | | | | | | | | | | | | | | | | 5.2 | | | | | | | | | | STOP | REPLACE - STOP |
| 170+05 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | Shields River Rd | REMOVE - D3 - SHIELD RIVER RD |
| | | | | D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elliot St N | REMOVE - D3 - ELLIOT ST N |

SHEET NO.
S7

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | REVIEWED BY | CHECKED BY |
|---|---|---|
| S. WATSON 09/2024 | T. MURFITT 09/2024 | N. STYREN 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | TYPE OF SUPPORT | FEET | | | | | | | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 170+23 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (45) |
| 170+23 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (35) |
| 170+94 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D7-3R 48x36x30 | 48 X 36 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.9 | | | | | | 9.8 | | 14 | | | | | | 1 | | | |  | REPLACE - HISTORIC POINT RIGHT 1/2 MILE |
| 174+54 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | W14-3 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |  | REMOVE - NO PASSING ZONE |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 174+78 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | NF-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | USE AS IS - NATIONAL FOREST ACCESS - SHIELDS RIVER |
| | | | | M6-1L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | USE AS IS - LEFT ARROW |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D10-2 | 10 X 27 | | | MBB | | 4.0 | 2.0lb Steel U Post | | 4.0 | | 3.0 | 10.0 | | | | | | 3.8 | | | | | | | 20 | 1 | | | |  | REPLACE - REFERENCE POST (24) |
| 176+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | N7-1 | 36 X 48 | | BBR | | | 20.0 | 5" Treated Wood Pole | | 5.0 | | 3.5 | 16.1 | | | | | X | 12.0 | | | 18 | | | | | 1 | | | |  | REPLACE - ADOPT A HIGHWAY |
| 176+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | N7-1 | 36 X 48 | | BBR | | | 20.0 | 5" Treated Wood Pole | | 5.0 | | 3.5 | 16.1 | | | | | X | 12.0 | | | 18 | | | | | 1 | | | |  | REPLACE - ADOPT A HIGHWAY |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177+94 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | M3-1 | 24 X 12 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.9 | | | | | | 2.0 | | 14 | | | | | | 1 | | | |  | REPLACE - NORTH |
| | | | | M1-4 | 24 X 24 | | | | | | | | | | | | | | | | | 4.0 | | | | | | | | | | |  | REPLACE - ROUTE (89) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | G59-24a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | USE AS IS - JCT US-12 33/ WHITE SULPHUR SPRINGS 41 |
| 180+70 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (45) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180+70 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | R2-1 | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 6.1 | | 3.0 | 13.4 | | | | | | 5.0 | | 14 | | | | | | 1 | | | |  | REPLACE - SPEED LIMIT (70) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | R2-3 | 24 X 24 | | | | | | | | | | | | | | | | | 4.0 | | | | | | | | | | |  | REPLACE - NIGHT SPEED LIMIT (65) |

SHEET NO.
S8

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| DESIGNED BY | DATE | REVIEWED BY | DATE | CHECKED BY | DATE |
|---|---|---|---|---|---|
| S. WATSON | 09/2024 | T. MURFITT | 09/2024 | N. STYREN | 09/2024 |

9943000SISUM001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

| SIGN LOCATION | | | | SIGN PANEL SPECIFICATIONS | | | | | | SIGN ASSEMBLY SPECIFICATIONS | | | | | | | | | | | SIGN ASSEMBLY QUANTITIES | | | | | | | | | | | | ADDITIONAL INFORMATION | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STATION / R.P. | | DIRECTION | RAMP NO. | SIGN NO. (MUTCD) | PANEL SIZE (INCHES) | FY OR FYG | BACK BRACING REQ'D ANGLE IRON REQ'D | MOUNT BACK TO BACK | REPLACE SIGN FACE ONLY | FEET | TYPE OF SUPPORT | FEET | | | | | | CANTILEVER | BREAKAWAY TYPE | BEHIND GUARDRAIL | PANEL (SQ. FT.) | | WOOD POLE (LNR. FT.) | | STEEL POST (LBS.) | | | | REMOVE | | RESET | | SIGN IMAGE | SIGN STATUS & REMARKS |
| LFT | MDN | RGT | | | W X H | | | | | CLEARANCE/OFFSET (SHOULDER TO EDGE OF SIGN) | | SIGN SUPPORT SPACING | MOUNTING HEIGHT | SIGN HEIGHT + GAPS | FOUNDATION DEPTH | SUPPORT LENGTH (ESTIMATED) X | Y | Z | | | SHEET ALUMINUM | SHEET ALUMINUM INCREMENT | 4" TOP DIA. | 5" TOP DIA. | ROUND TUBULAR | SQUARE TUBULAR | STRUCTURAL STEEL | "U" POST | SIGN | GUIDE | SIGN | GUIDE | | |
| 182+38 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | R2-2A | 24 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | 5.0 | | 14 | | | | | | 1 | | | | TRUCK SPEED LIMIT 65 | REPLACE - TRUCK SPEED LIMIT (65) |
| 185+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | N6-2 | 60 X 24 | | BBR | | | 10.0 | 5" Treated Wood Pole | | 5.0 | | 3.5 | 12.9 | | | | X | | 10.0 | | 14 | | | | | 1 | | | | CRAZY MOUNTAINS | REPLACE - CRAZY MOUNTAINS |
| | | | | M6-1R | 21 X 15 | | | | | | | | | | | | | | | | 2.2 | | | | | | | | | | | REPLACE - GREEN RIGHT ARROW |
| 190+51 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | D7-4R 48x36x30 | 48 X 36 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.9 | | | | | 9.8 | | 14 | | | | | | 1 | | | | HISTORIC POINT | REPLACE - HISTORIC POINT W/RIGHT ARROW |
| 194+29 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | HISTORIC MARKER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Historic Marker | REPLACE - (SHIELDS RIVER VALLEY) **SEE SPECIAL PROVISIONS |
| 194+62 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | W14-3 48x48x36 | 48 X 36 | FY | BBR | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.3 | | | | | 5.5 | | 14 | | | | | | 1 | | | | NO PASSING ZONE | REPLACE - NO PASSING ZONE |
| 194+70 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | W3-5 | 36 X 36 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 14.0 | | | | | 9.0 | | 14 | | | | | | 1 | | | | SPEED LIMIT AHEAD 45 | REPLACE - SPEED LIMIT CHANGE AHEAD (45) |
| 198+03 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | D7-4R 48x36x30 | 48 X 36 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 12.9 | | | | | 9.8 | | 14 | | | | | | 1 | | | | HISTORIC POINT | REPLACE - HISTORIC POINT W/LEFT ARROW |
| 204+11 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | W8-13a (MT) 01 | 30 X 30 | | | | | 10.0 | 4" Treated Wood Pole | | 5.0 | | 3.0 | 13.4 | | | | | 6.3 | | 14 | | | | | | 1 | | | | WATCH FOR ICE ON BRIDGES | REPLACE - WATCH FOR ICE ON BRIDGE (HINGED) |
| 207+63 | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | X | | NF-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | NATIONAL FOREST ACCESS NORTH BRIDGERS | USE AS IS - NATIONAL FOREST ACCESS - NORTH BRIDGERS |
| | | | | M6-1R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | USE AS IS - LEFT ARROW |
| PROJECT TOTALS | | | | | | | | | | | | | | | | | | | | | 451.0 | 40.0 | 392 | 122 | | 478 | 367 | 80 | 58 | 1 | | | | |

SHEET NO.
S9

SIGN LOCATIONS AND SPECIFICATIONS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| | | | | |
|---|---|---|---|---|
| DESIGNED BY | 09/2024 | REVIEWED BY | 09/2024 | CHECKED BY | 09/2024 |
| S. WATSON | | T. MURFITT | | N. STYREN | |

MONTANA Department of Transportation

SIGNING PLANS

12/10/2024 12:49 PM

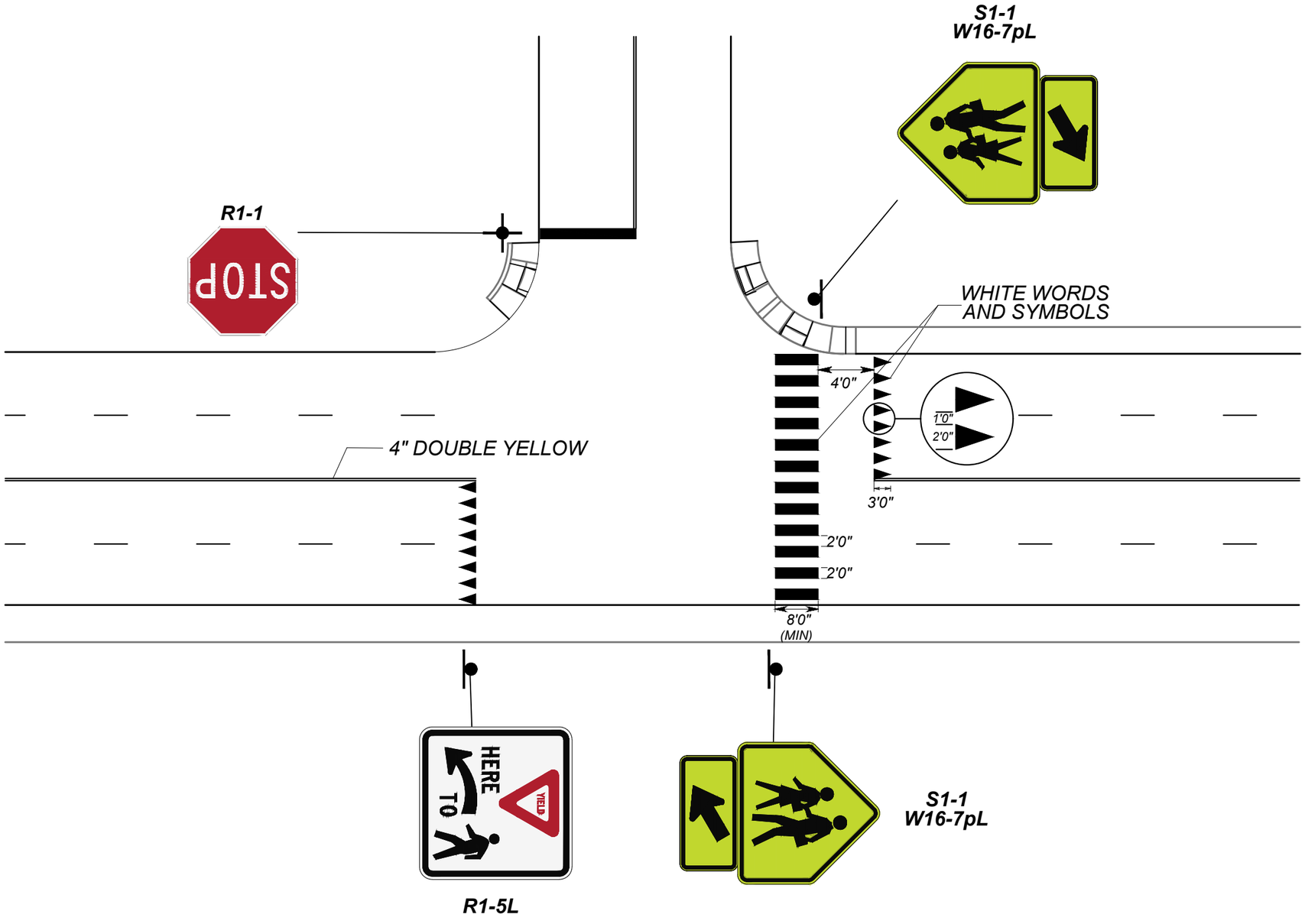
9943000SISUM001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908



# TYPICAL SCHOOL CROSSING PAVEMENT MARKING DETAIL

NOT TO SCALE




SHEET NO.
S10

DETAILS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| | | |
|---|---|---|
| DESIGNED BY | S. WATSON | 09/2024 |
| REVIEWED BY | T. MURFITT | 09/2024 |
| CHECKED BY | N. STYREN | 09/2024 |

9943000SIDET001.DWG

MONTANA
Department of Transportation

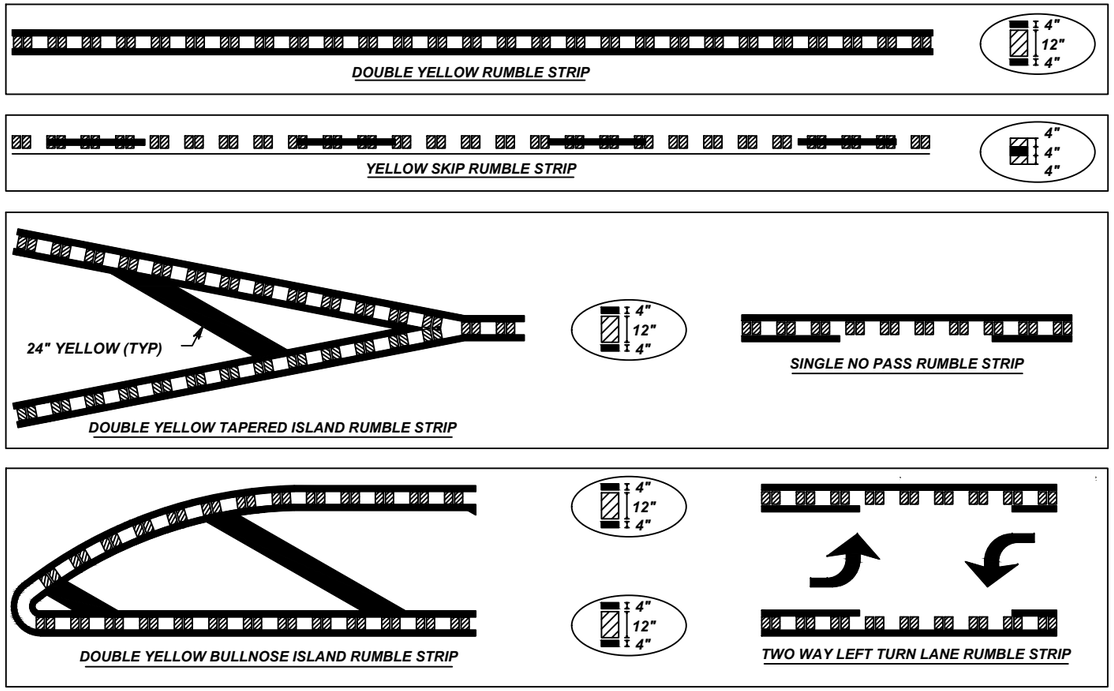
SIGNING PLANS

12/23/2024 8:12 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

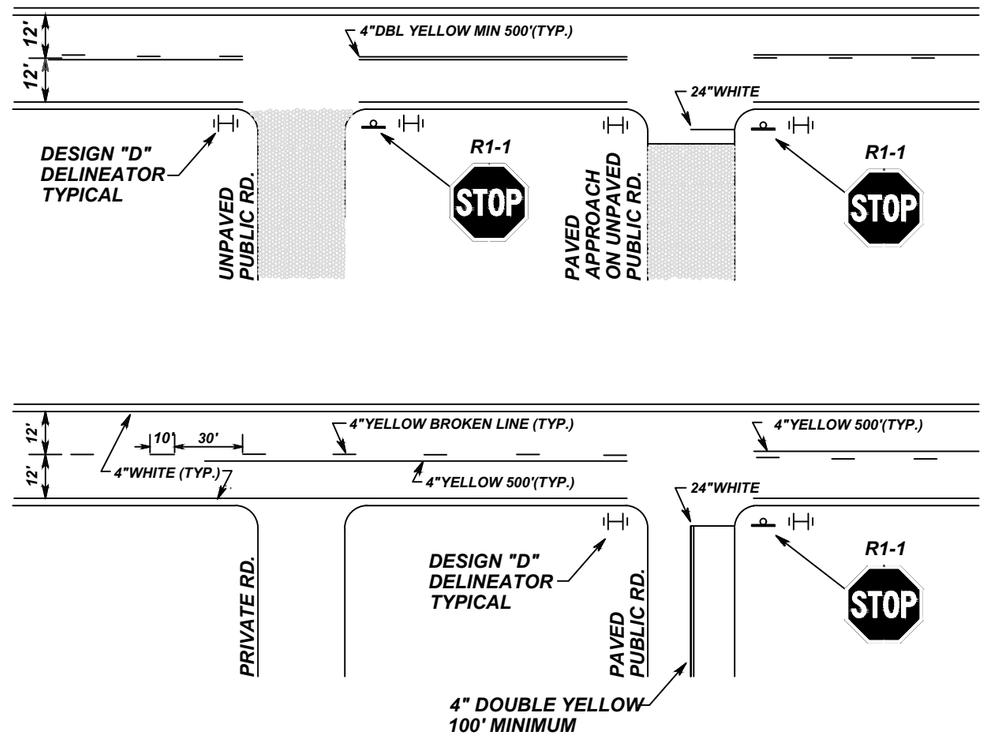
AWARD COPY

## TYPICAL RURAL CENTERLINE PAVEMENT MARKINGS AND RUMBLE STRIPS. SEE ROAD DESIGN PLANS FOR RUMBLE STRIP QUANTITY (IF USED)




## TYPICAL RURAL PAVEMENT MARKINGS

NO SCALE




**NOTE:** *FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES TO BE DETERMINED BY THE PROJECT MANAGER.*

*ALL PAVEMENT MARKINGS TO BE EPOXY UNLESS OTHERWISE SPECIFIED.*

*NOTES:*

1. *SEE CENTERLINE RUMBLE STRIPS DTL. DWG. NO. 411-05 FOR ADDITIONAL INFORMATION.*
2. *ALL PAVEMENT MARKINGS ARE TO CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS" PUBLICATIONS, FROM THE FEDERAL HIGHWAY ADMINISTRATION.*
3. *SEE CENTERLINE PAVEMENT MARKINGS FOR RURAL HIGHWAYS MEMO DATED JUNE 18, 2019 FOR APPLICATION METHODOLOGY*
4. *DASHED LINES WILL HAVE A 10:30 SKIP IN RURAL LOCATIONS, AND A 9:15 SKIP IN URBAN LOCATIONS*

SHEET NO.
S11

DETAILS

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

| | | | |
|---|---|---|---|
| DESIGNED BY | S. WATSON | 09/2024 | |
| REVIEWED BY | T. MURFITT | 09/2024 | |
| CHECKED BY | N. STYREN | 09/2024 | |

MONTANA Department of Transportation

SIGNING PLANS

12/23/2024 8:12 AM

9943000SIDET001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

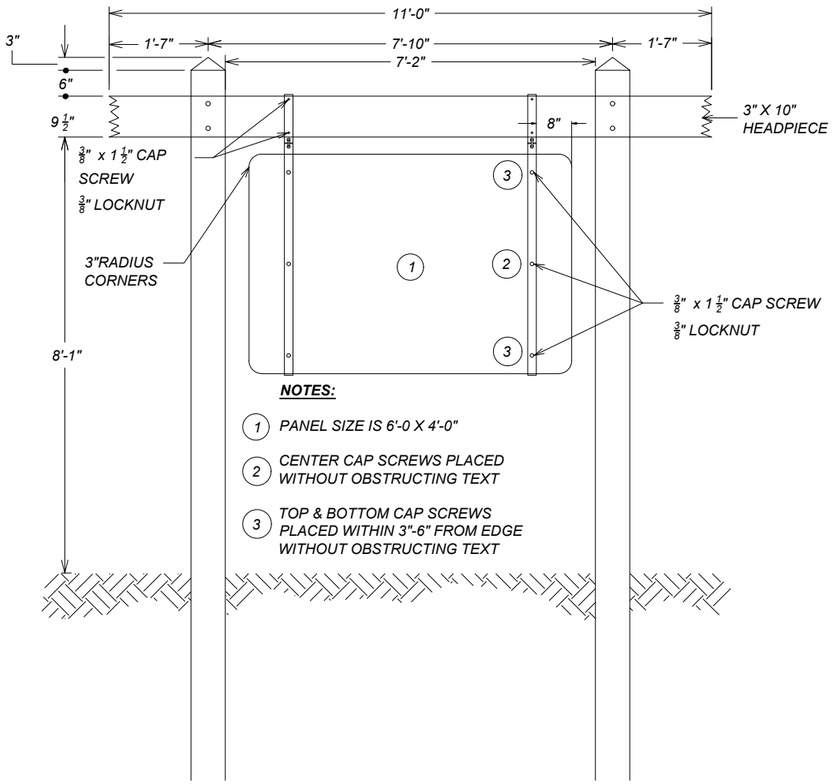
# PLASTIC PANEL HISTORIC MARKER DETAIL

SCALE AS SHOWN

SEE SPECIAL PROVISIONS

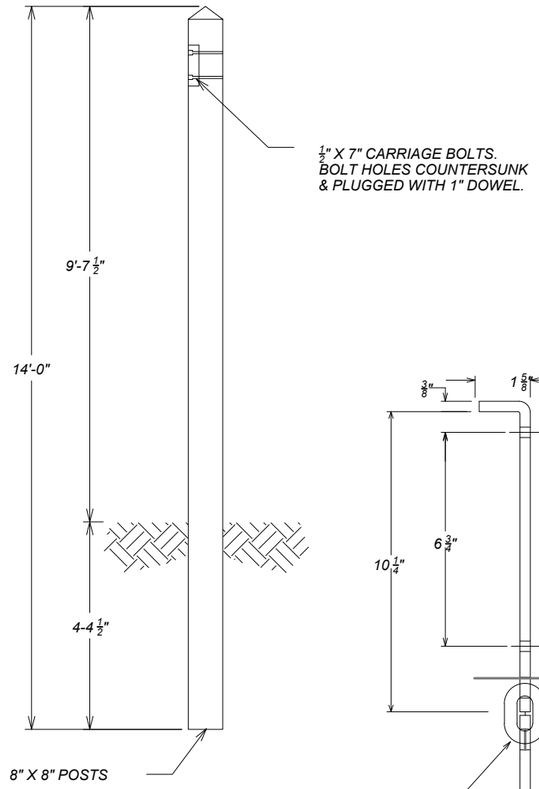
## FRONT ELEVATION

SCALE: 1"=1'-0"



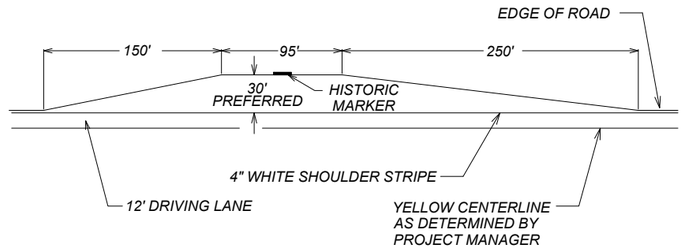

## SIDE ELEVATION

SCALE: 1"=1'-0"



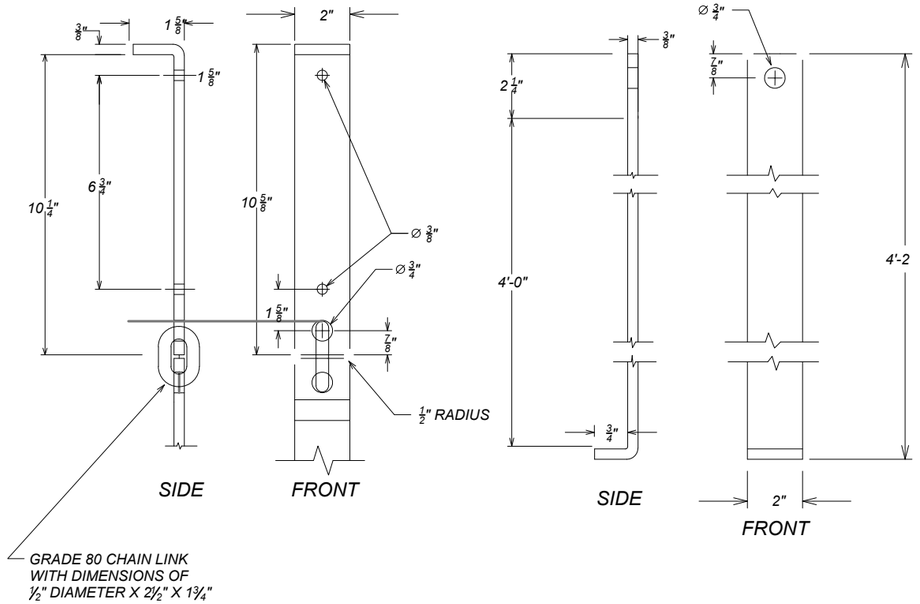

## PLAN VIEW

SCALE: 1"=40'




## HANGING IRONS

SCALE: 1"=2"




SHEET NO. S12

DETAILS

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | |
|---|---|---|
| DESIGNED BY | S. WATSON | 09/2024 |
| REVIEWED BY | T. MURFITT | 09/2024 |
| CHECKED BY | N. STYREN | 09/2024 |

9943000SIDET001.DWG

MONTANA Department of Transportation

SIGNING PLANS

12/23/2024 8:12 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

271+85

0+00

BOA 271+84.86

STA BACK = 273+54.10

STA AHEAD = 0+00.00

Ref Stationing:5+65.00
Assembly Status:Replace
Sign Name:W14-3

10+00

20+00

Ref Stationing:17+12.00
Assembly Status:Replace
Sign Name:D3 (Shields Ln)
Sign Name:R1-1

Ref Stationing:17+08.00
Assembly Status:Remove
Sign Name:D3 (Shields Ln)

Ref Stationing:11+49.00
Assembly Status:Replace
Sign Name:D3 (Indian Creek Rd)
Sign Name:R1-1

Ref Stationing:11+47.00
Assembly Status:Remove
Sign Name:D3 (Indian Creek Rd)

Ref Stationing:15+64.00
Assembly Status:Replace
Sign Name:D10-2 (21)

Ref Stationing:22+52.00
Assembly Status:Replace
Sign Name:W14-3

**SHEET NO.**
S13

**PLANS**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| DESIGNED BY | | |
|---|---|---|
| S. WATSON | 09/2024 | |
| REVIEWED BY | | |
| T. MURFITT | 09/2024 | |
| CHECKED BY | | |
| N. STYREN | 09/2024 | |

MONTANA
Department of Transportation

**SIGNING PLANS**

12/23/2024 10:03 AM

9943000SIPLN001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

30+00

40+00

50+00

**SHEET NO.**
S14

**PLANS**

**MONTANA**
Department of Transportation

**SIGNING PLANS**

12/23/2024 10:03 AM

| | | |
|---|---|---|
| DESIGNED BY | S. WATSON | 09/2024 |
| REVIEWED BY | T. MURFITT | 09/2024 |
| CHECKED BY | N. STYREN | 09/2024 |

PROJECT NAME: **WILSALL-N & S**
COUNTY: **PARK**
PROJECT ID: **STPP 59-1(30)20**
UPN: **9943000**

9943000SIPLN001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

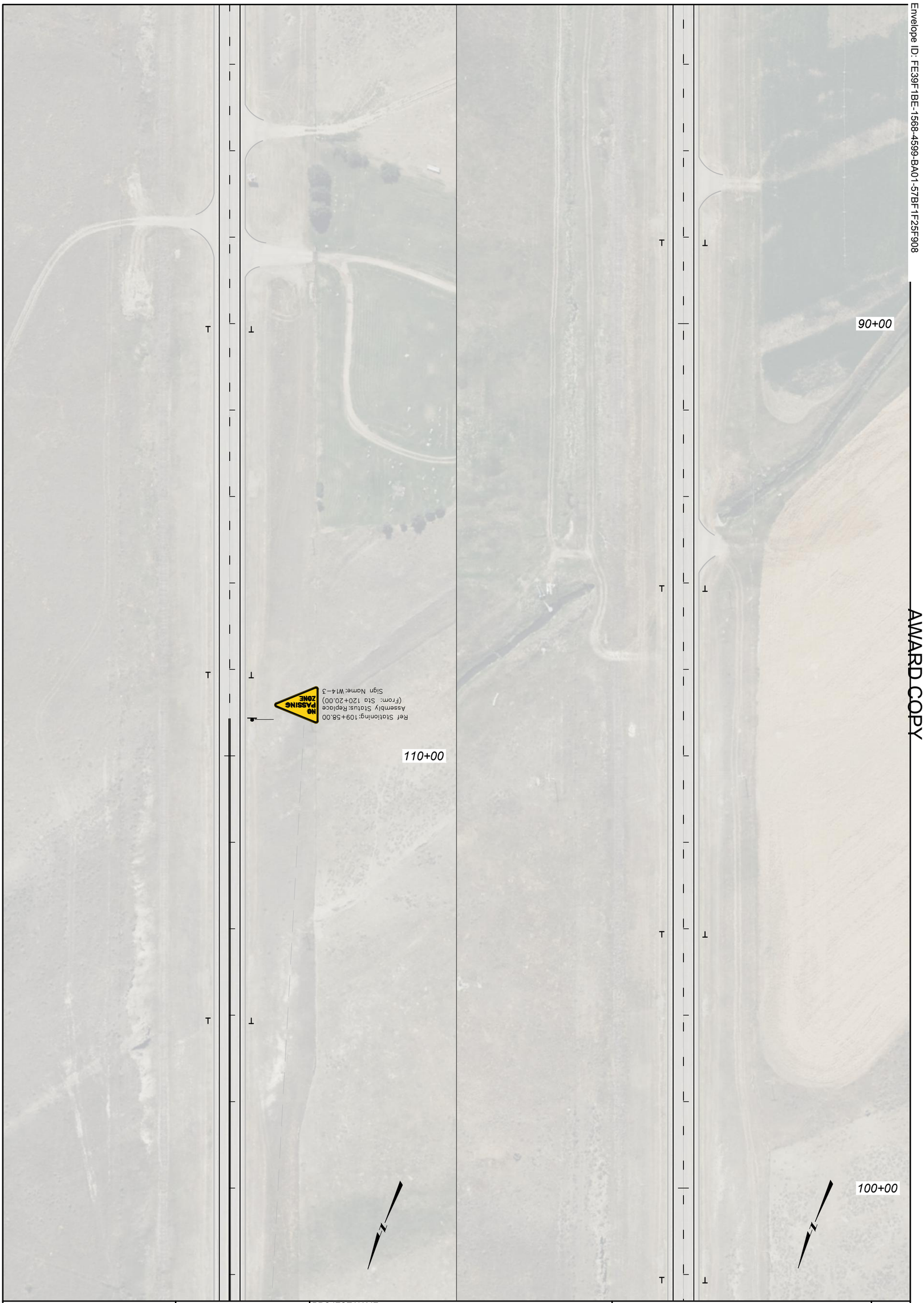
AWARD COPY




| | | | |
|---|---|---|---|
| MONTANA Department of Transportation | DESIGNED BY: S. WATSON 09/2024 | PROJECT NAME: WILSALL-N & S | PLANS |
| SIGNING PLANS | REVIEWED BY: T. MURFITT 09/2024 | COUNTY: PARK | SHEET NO. S15 |
| 12/23/2024 10:03 AM | CHECKED BY: N. STYREN 09/2024 | PROJECT ID: STPP 59-1(30)20 | |
| 9943000SIPLN001.DWG | | UPN: 9943000 | |

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




| | | | | | |
|---|---|---|---|---|---|
| MONTANA Department of Transportation | DESIGNED BY | | PROJECT NAME | | SHEET NO. |
| | S. WATSON | 09/2024 | WILSALL-N & S | | |
| | REVIEWED BY | | COUNTY | | |
| | T. MURFITT | 09/2024 | PARK | PLANS | |
| SIGNING PLANS | CHECKED BY | | PROJECT ID | | S16 |
| | N. STYREN | 09/2024 | STPP 59-1(30)20 | | |
| 12/23/2024 10:03 AM | 9943000SIPLN001.DWG | | UPN 9943000 | | |

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

120+00

130+00

140+00

CLYDE PARK 8
JCT I-90 22

Ref Stationing: 128+98.00
Assembly Status: Replace
Sign Name: D1-2a

Ref Stationing: 126+02.00
Assembly Status: Replace
Sign Name: D3 (Horse Creek Rd)
Sign Name: R1-1

Ref Stationing: 123+33.00
Assembly Status: Replace
Sign Name: D10-2 (23)

Ref Stationing: 120+93.00
Assembly Status: Replace
(From: Sta 124+49.00)
Sign Name: W3-5 (45)

Ref Stationing: 131+99.00
Assembly Status: Replace
Sign Name: M3-3 (WHT)
Sign Name: M1-4 (89)

Ref Stationing: 132+99.00
Assembly Status: Replace
Sign Name: R2-2A (65)

Ref Stationing: 134+93.00
Assembly Status: Replace
Sign Name: R2-1 (70)
Sign Name: R2-3b

Ref Stationing: 134+93.00
Assembly Status: Replace
Sign Name: R2-1 (45)

Ref Stationing: 139+29.00
Assembly Status: Replace
Sign Name: N6-1

PC 140+26.49

Ref Stationing: 143+02.00
Assembly Status: Replace
Sign Name: R1-1

Ref Stationing: 144+03.00
Assembly Status: Replace
Sign Name: R2-1 (45)

Ref Stationing: 144+82.00
Assembly Status: Remove

Ref Stationing: 144+88.00
Assembly Status: Replace
Sign Name: D3 (Shields St W)
Sign Name: D3 (Elliot St S)
Sign Name: R1-1

Ref Stationing: 144+03.00
Assembly Status: Replace
Sign Name: R2-1 (35)

RADIUS = 2720'
320', 400' DELINEATOR SPACING

**SHEET NO.**
S17

**PLANS**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| DESIGNED BY | | DATE |
|---|---|---|
| S. WATSON | | 09/2024 |
| REVIEWED BY | | |
| T. MURFITT | | 09/2024 |
| CHECKED BY | | |
| N. STYREN | | 09/2024 |

MONTANA
Department of Transportation

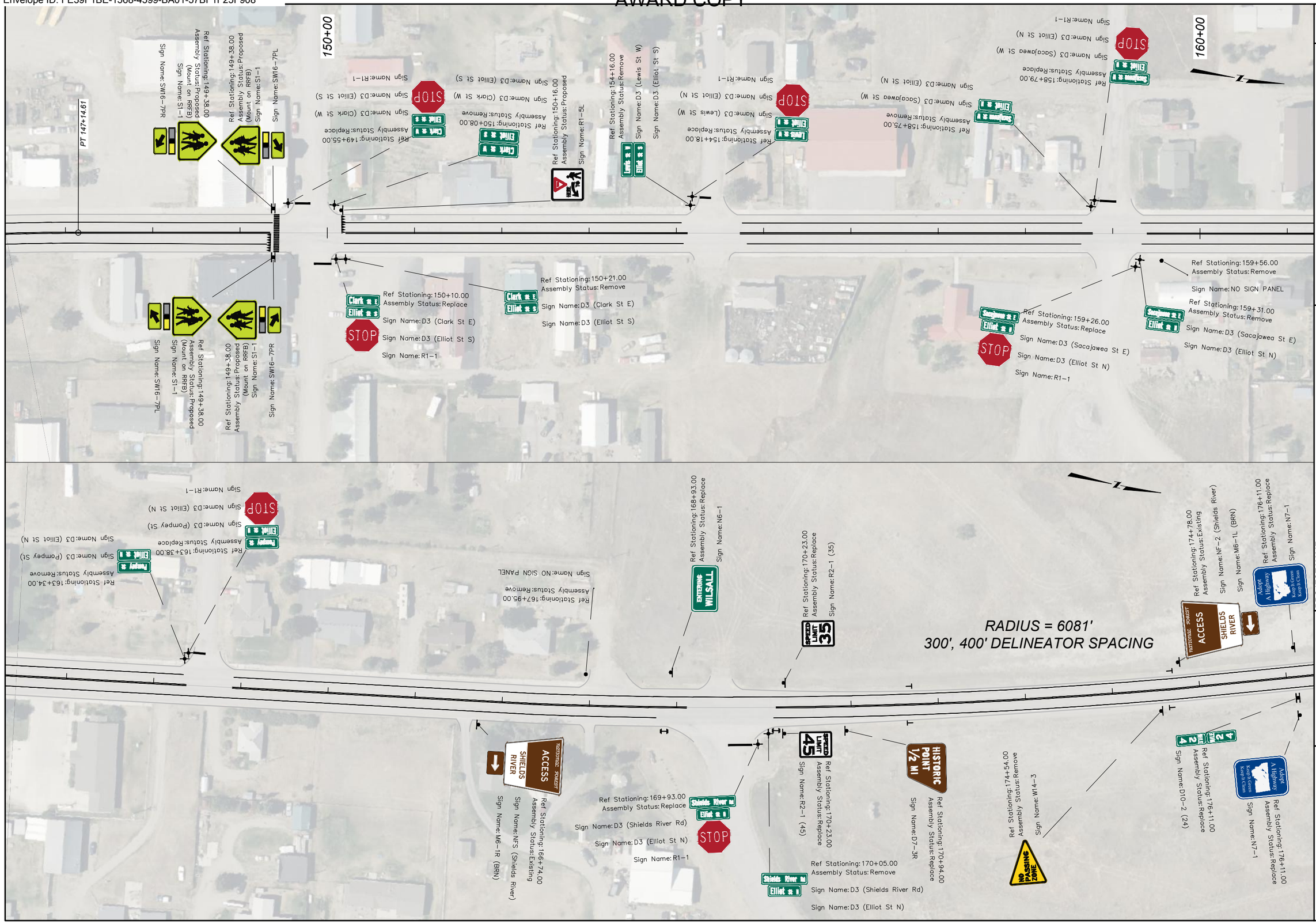
**SIGNING PLANS**

12/23/2024 10:03 AM

9943000SIPLN001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




**SHEET NO.**
S18

**PLANS**

| | |
|---|---|
| PROJECT NAME | WILSALL-N & S |
| COUNTY | PARK |
| PROJECT ID | STPP 59-1(30)20 |
| UPN | 9943000 |

| | | | |
|---|---|---|---|
| DESIGNED BY | S. WATSON | 09/2024 | |
| REVIEWED BY | T. MURFITT | 09/2024 | |
| CHECKED BY | N. STYREN | 09/2024 | |

MONTANA
Department of Transportation

**SIGNING PLANS**

12/23/2024 10:03 AM

9943000SIPLN001.DWG

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY




| | | | | | |
|---|---|---|---|---|---|
| MONTANA Department of Transportation | DESIGNED BY | S. WATSON 09/2024 | PROJECT NAME | WILSALL-N & S | PLANS |
| | REVIEWED BY | T. MURFITT 09/2024 | COUNTY | PARK | |
| SIGNING PLANS | CHECKED BY | N. STYREN 09/2024 | PROJECT ID | STPP 59-1(30)20 | SHEET NO. S19 |
| 12/23/2024 10:03 AM | 9943000SIPLN001.DWG | | UPN | 9943000 | |

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

210+00

211+68

EOA 211+68.10

RADIUS = 1968'
160' DELINEATOR SPACING

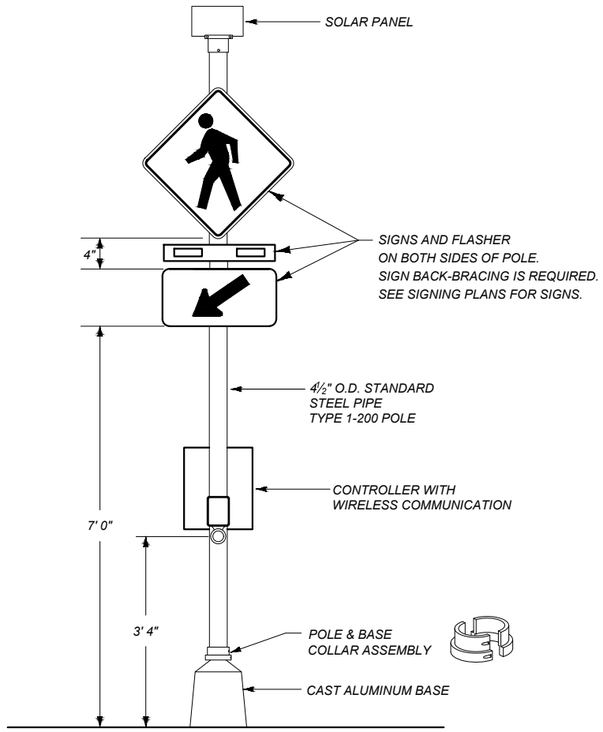
T

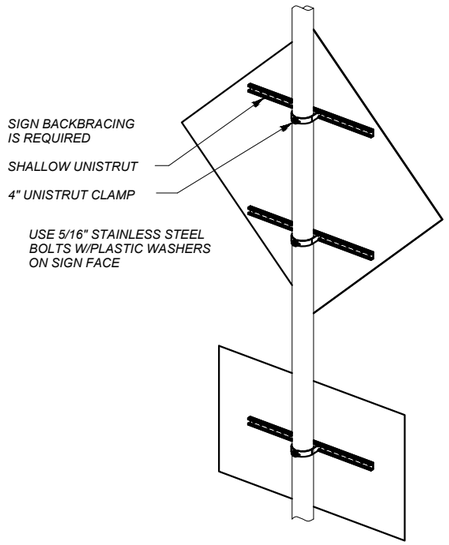
T

T

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

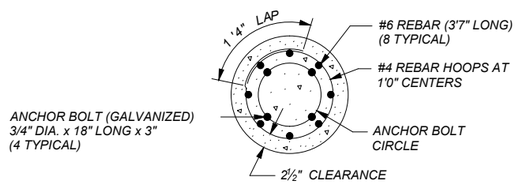


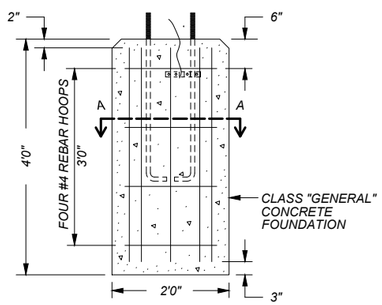

***REAR ISOMETRIC***

| ELECTRICAL QUANTITIES | | | |
|---|---|---|---|
| ITEM NO. | MATERIAL | UNIT | TOTAL |
| 617000000 | FOUNDATION CONCRETE | CUYD | 1 |
| 617673200 | SIG STANDARD TYPE 1-200 | EACH | 2 |
| 617903250 | PUSH BUTTON - PEDESTRIAN | EACH | 2 |
| 617573070 | RECTANGULAR RAPID FLASHING BEACON | EACH | 1 |

USE GRADE 60 REINFORCING STEEL




***SECTION A-A***




***TYPICAL FOUNDATION***

*5" x 7¾" ALUMINUM SIGN,
BLACK LETTERS ON WHITE
BACKGROUND.*

*BACK OF CASTING SHAPED TO
FIT CURVATURE OF POLE.*




*TRIM TOP OF PIPE TO MEET BEACON
MOUNTING REQUIREMENTS.*

*SLOPE GROUND AROUND FOUNDATION
AS REQUIRED.
NO PART OF THE FOUNDATION OR ANCHOR
BOLTS MAY PROTRUDE MORE THAN 4"
ABOVE GROUND AFTER BREAKAWAY.*

***RECTANGULAR RAPID FLASH BEACON***

*NO SCALE*

**SHEET NO.**
E01

**ELECTRICAL SUMMARY AND DETAILS**

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

DESIGNED BY: BEN MOELLER 5/14/2024
REVIEWED BY: JOE DEGROAT 5/14/2024
CHECKED BY:

9943000ELMAP001.DWG

MONTANA
Department of Transportation

PRELIMINARY

11/18/2024 6:39 AM

Docusign Envelope ID: FE39F1BE-1568-4599-BA01-57BF1F25F908

AWARD COPY

N

ELLIOT ST

CLARK ST E

CLARK ST E

DP

DP

DP

NEW TYPE 1-200 STANDARD RECTANGULAR RAPID FLASHING BEACONS, AND PUSH BUTTON.

1

NEW TYPE 1-200 STANDARD, RECTANGULAR RAPID FLASHING BEACONS, AND PUSH BUTTON.

2

POLE SCHEDULE

| POLE NO. | ITEM NO. | TYPE | TYPE POLE BASE | FOUNDATION DIA. X DEPTH | PED BUTTON LEFT ARROW | PED BUTTON RIGHT ARROW | N OR Y COORDINATE | E OR X COORDINATE |
|---|---|---|---|---|---|---|---|---|
| 1 | 617673200 | 1-200 | BREAKAWAY | 2' X 4' | 1 | | 637,894.49 | 1,673,686.88 |
| 2 | 617673200 | 1-200 | BREAKAWAY | 2' X 4' | | 1 | 637,899.74 | 1,673,737.45 |

SHEET NO.
E02

ELECTRICAL PLAN

PROJECT NAME: WILSALL-N & S
COUNTY: PARK
PROJECT ID: STPP 59-1(30)20
UPN: 9943000

DESIGNED BY: BEN MOELLER 5/14/2024
REVIEWED BY: JOE DEGROAT 5/14/2024
CHECKED BY:

MONTANA Department of Transportation

PRELIMINARY

11/18/2024 6:39 AM

9943000ELMAP001.DWG