

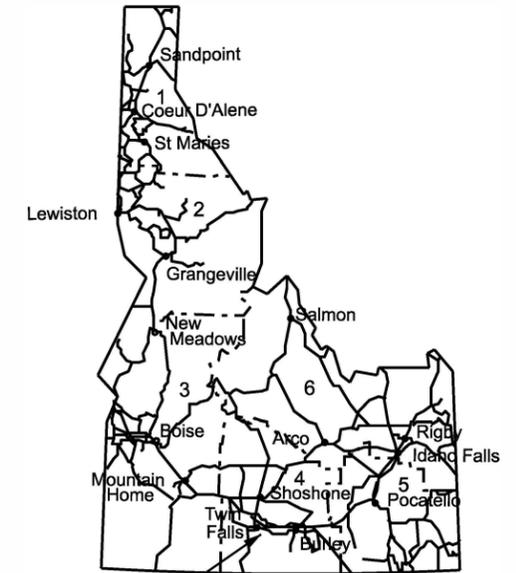
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT CLEARANCE SUMMARY
3-4	ROADWAY SUMMARY
5	SURVEY CONTROL
6	TYPICAL SECTION
7-15	PLAN SHEETS
16-24	PPP PLAN SHEETS
25-26	TEMPORARY TRAFFIC CONTROL PLAN
1-10	ITD STANDARD DRAWINGS

IDAHO TRANSPORTATION DEPARTMENT

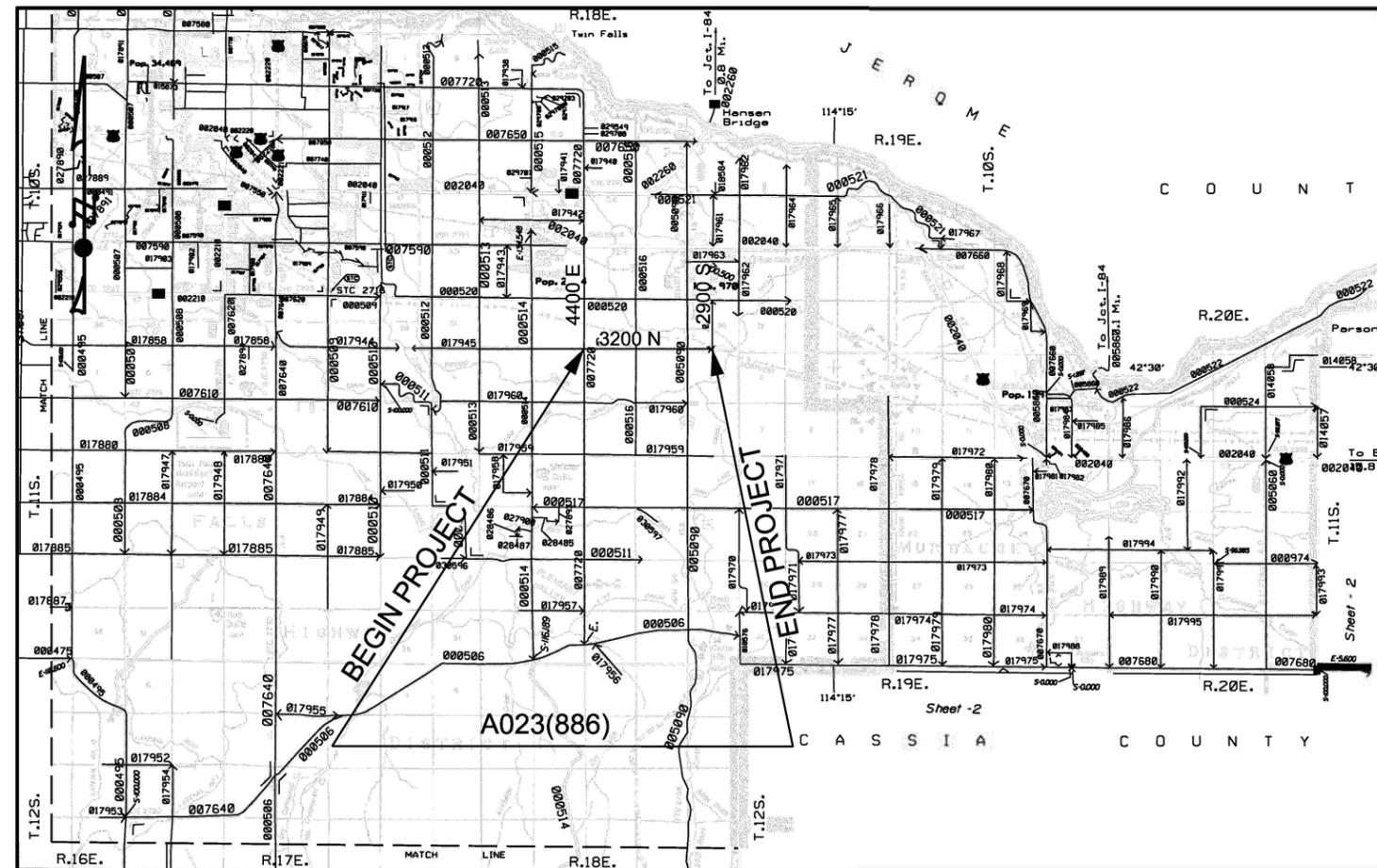
PLAN OF PROPOSED 3200 N SAFETY IMPROVEMENTS, MURTAUGH HIGHWAY DISTRICT

FEDERAL AID PROJECT NO. A023(886) KEY NO. 23886 TWIN FALLS COUNTY

MAY 2025



A023(886)
3200 N SAFETY IMPROVEMENTS



DESIGN DESIGNATION

ADT 2028	630
ADT 2048	970
DHV 2028	76
DHV 2048	120
D	51/49%
V	50 MPH
TRUCKS:	
ADT 2028	231
ADT 2048	355
DHV 2028	28
DHV 2048	43

REVISIONS			
NO.	DATE	BY	DESCRIPTION

THE DIMENSIONS SHOWN ON THE PLANS SHALL BE ATTAINED WITHIN LIMITS OF PRECISION THAT GOOD CONSTRUCTION PRACTICES WILL PERMIT

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 23886 Title.DGN
DRAWING DATE: MAY 2025

**IDAHO
TRANSPORTATION DEPARTMENT**

YOUR Safety—YOUR Mobility—YOUR Economic Opportunity

FORSGREN
Associates, Inc.

PROJECT NO.
A023(886)

TITLE SHEET
3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT

ENGLISH
COUNTY TWIN FALLS
KEY NUMBER 23886
SHEET 1 OF 26

Monica Crider
Approved for Advertising
July 11, 2025
Date Approved

CLEARANCES		+ CLEARED UNDER PROJECT NO.	+ APPROVAL DATE
PROJECT STANDARDS			
CHARTER APPROVAL <input type="checkbox"/> AASHTO <input type="checkbox"/> 3R <input type="checkbox"/> 1R <input checked="" type="checkbox"/> STATE		A023(886)	6/07/2024
<input type="checkbox"/> PP <input type="checkbox"/> OTHER _____		N/A	
DESIGN EXCEPTIONS: _____		N/A	
PUBLIC HEARING WAIVER _____		A023(886)	3/04/2025
PUBLIC HEARING DATE (Latest hearing date held or scheduled for opportunity) _____		N/A	
DESIGN APPROVAL _____		A023(886)	3/04/2025
RECLAMATION PLAN APPROVAL NO(S) _____		N/A	
AIRPORT _____		N/A	
Land Survey Monument Search and Documentation (I.C.55-1613) _____		N/A	
R/W CERTIFICATE: Issued by <input checked="" type="checkbox"/> Q <input type="checkbox"/> DISTRICT		A023(886)	3/17/2025
TRIBAL LANDS: <input type="checkbox"/> AGREEMENT REQUIRED <input type="checkbox"/> SPECIAL PROVISIONS FOR CONTRACT PROPOSAL		N/A	
BRIDGE PS & E _____		N/A	
ENVIRONMENTAL DECISION: TYPE <input checked="" type="checkbox"/> CAT-EX <input type="checkbox"/> FONSI <input type="checkbox"/> ROD		A023(886)	2/28/2025
TYPE <input type="checkbox"/> CAT-EX <input type="checkbox"/> FONSI <input type="checkbox"/> ROD			
ENVIRONMENTAL RE-EVALUATION _____		N/A	
PERMITS		+ EXPIRATION DATE	
IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S) _____		N/A	
US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) _____		N/A	
OTHER _____		N/A	
DEQ SECTION 401 WATER QUALITY CERTIFICATION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
NPDES GENERAL PERMIT/SWPPP REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
POLLUTION PREVENTION PLAN REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
AGREEMENTS (List Appropriate Name)			
LOCAL: CITY _____		N/A	
COUNTY _____		N/A	
HIGHWAY DISTRICT _____		N/A	
ROAD CLOSURE AND MAINTENANCE _____		N/A	
STATE/LOCAL CONSTRUCTION <u>MURTAUGH HIGHWAY DISTRICT</u>		A023(886)	6/16/2025
IRRIGATION DISTRICT(S): Crossing Agreement Required <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (Signatures Required on either Structure Drawing or Bridge Sheet)			
UTILITIES: List all Utilities shown on plans		+ APPROVAL DATES	
		UTILITY HEARING WAIVER	AGREEMENT
Co. <u>IDAHO POWER CO.</u> <input checked="" type="checkbox"/> RETAIN & PROTECT		A023(886)	5/06/2025
Co. <u>LUMEN (CENTURYLINK)</u> <input checked="" type="checkbox"/>		A023(886)	5/15/2025
Co. <u>LOW LIFT CANAL COMPANY</u> <input checked="" type="checkbox"/>		N/A	
Co. _____ <input type="checkbox"/>		N/A	
Co. _____ <input type="checkbox"/>		N/A	
Co. _____ <input type="checkbox"/>		N/A	
Co. _____ <input type="checkbox"/>		N/A	
RAILROAD List all Railroads encroached upon		+ AGREEMENT	
		+ AGREEMENT FOR	EFFECTIVE DATE
Co. _____		N/A	
Co. _____		N/A	

ESTIMATING BASIS

Paving: Specify 1/2-inch Superpave Hot Mix Asphalt Class SP-3

Aggregate for Superpave HMA pavement estimate at 146 lb/CF including asphalt of HMA

Asphalt cement for superpave HMA SP-3 PG 64-34 at 5.6% by weight

Anti-Stripping Additives estimated at 0.5% by weight of asphalt binder.

Tack: CSS-1H - 50/50 Diluted Emulsified asphalt for tack at 0.12 Gal/SY

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DETAILED AS	
DRAWING CHECKED SY	DRAWING DATE: MAY 2025
CADD FILE NAME 23886 PSUM.DGN	

IDAHO TRANSPORTATION DEPARTMENT

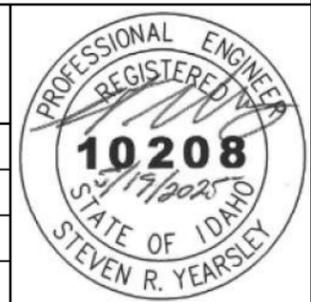
YOUR Safety--YOUR Mobility--YOUR Economic Opportunity

FORSGREN Associates Inc.

PROJECT NO.	A023(886)
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PROJECT CLEARANCE SUMMARY	3200 N SAFETY IMPROVEMENTS MURTAUGH HIGHWAY DISTRICT
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ENGLISH
COUNTY TWIN FALLS
KEY NUMBER 23886
SHEET 2 OF 26



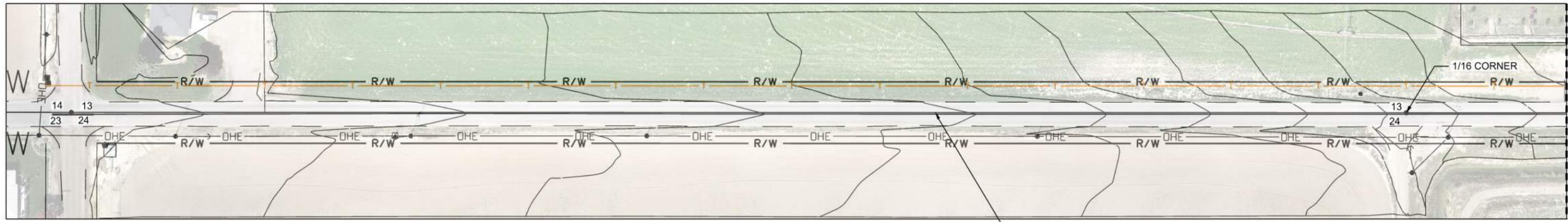
+ ENTER "N/A" WHEN NOT APPLICABLE
 ++ LPA PROJECTS - DATE ENTERED BY ROADWAY DESIGN WHEN PROJECT SENT TO PS&E.

SHEET NUMBER				7	8	9	10	11	12	13	14	15	16	17	18
STATION - STATION				10+00 TO 14+80	14+80 TO 19+60	19+60 TO 24+40	24+40 TO 29+20	29+20 TO 34+00	34+00 TO 38+80	38+80 TO 43+60	43+60 TO 48+40	48+40 TO 49+87.26	10+00 TO 14+80	14+80 TO 19+60	19+60 TO 24+40
ITEM NO.	ITEM	UNIT	TOTAL												
205-005A	EXCAVATION	CY	1,124	97	104	94	94	94	160	210	146	125			
205-040A	GRANULAR BORROW	CY	850	102	102	102	102	102	102	102	102	34			
205-090A	SHOULDER GRADING	MILE	1.5	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.06			
205-095A	SOFT SPOT REPAIR	CA	10,000												
212-011A	FIBER WATTLE	FT	235										20	20	
301-005A	GRANULAR SUBBASE	TON	1,220	147	147	147	147	147	147	147	147	44			
303-022A	3/4" AGG TYPE B FOR BASE	TON	1,509	402	100	100	100	100	100	100	100	407			
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	1,650	229	192	192	192	192	192	192	192	77			
405-245A	APPROACH - PUBLIC	EACH	2	2											
405-245B	APPROACH - PRIVATE	EACH	6	1		1	2		1	1					
405-260A	WEDGE MILLING	SY	640	320								320			
405-435A	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES CLASS SP-3	TON	1,860	274	204	204	204	204	204	204	204	158			
621-010A	SEEDING	AC	0.145										.011	.007	
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	348												
626-040A	BARRICADE TYPE 3	EACH	6												
626-100A	MISC TEMP TRAFFIC CONTROL ITEMS	CA	2,500												
626-105A	TEMP TRAFFIC CONTROL MAINTENANCE	HR	50												
630-025A	LONGITUDINAL PAVEMENT MARKING - WATERBOURNE	FT	11,962	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	442			
631-010A	RUMBLE STRIPS	MILES	2.19	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.06			
675-005A	SURVEY	LS	1												
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	CA	5,000												
Z629-05A	MOBILIZATION	LS	1												

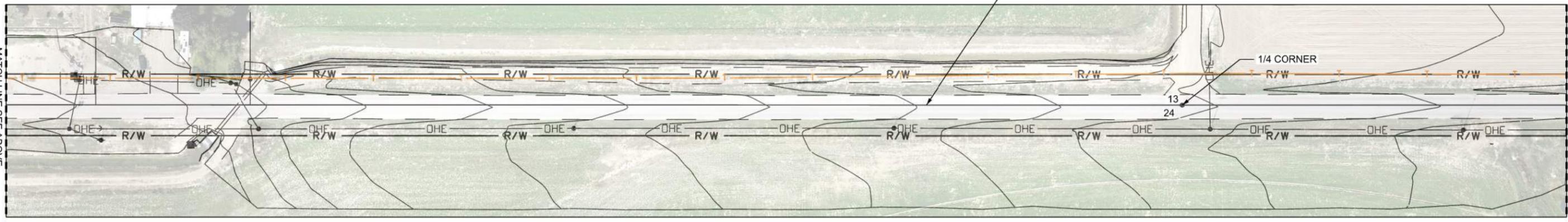
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	DATE	BY	DESCRIPTION																	DESIGNED AS DESIGN CHECKED SY DETAILED AS DRAWING CHECKED SY	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 21812 RSUM.DGN DRAWING DATE: MAY 2025	 IDAHO TRANSPORTATION DEPARTMENT YOUR Safety--YOUR Mobility--YOUR Economic Opportunity FORSGREN <i>Associates, Inc.</i>	PROJECT NO. A023(886)	ROADWAY SUMMARY 3200 N SAFETY IMPROVEMENTS MURTAUGH HIGHWAY DISTRICT	ENGLISH COUNTY TWIN FALLS KEY NUMBER 23886 SHEET 3 OF 26	
NO.	DATE	BY	DESCRIPTION																											

SHEET NUMBER				19	20	21	22	23	24	26				
STATION - STATION				24+40 TO 29+20	29+20 TO 34+00	34+00 TO 38+80	38+80 TO 43+60	43+60 TO 48+40	48+40 TO 49+87.26	10+00 TO 49+87.26				
ITEM NO.	ITEM	UNIT	TOTAL											
205-005A	EXCAVATION	CY	1,124											
205-040A	GRANULAR BORROW	CY	850											
205-090A	SHOULDER GRADING	MILE	1.5											
205-095A	SOFT SPOT REPAIR	CA	10,000											
212-011A	FIBER WATTLE	FT	235	65		40	50	30	10					
301-005A	GRANULAR SUBBASE	TON	1,220											
303-022A	3/4" AGG TYPE B FOR BASE	TON	1,509											
401-020A	CSS-1 DIL EMUL ASPH FOR TACK COAT	GAL	1,650											
405-245A	APPROACH - PUBLIC	EACH	2											
405-245B	APPROACH - PRIVATE	EACH	6											
405-260A	WEDGE MILLING	SY	640											
405-43SA	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES CLASS SP-3	TON	1,860											
621-010A	SEEDING	AC	0.145			.034	.069	.013	.011					
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	348							348				
626-025A	BARRICADE TYPE 3	EACH	6							6				
626-100A	MISC TEMP TRAFFIC CONTROL ITEMS	CA	2,500											
626-105A	TEMP TRAFFIC CONTROL MAINTENANCE	HR	50											
630-025A	LONGITUDINAL PAVEMENT MARKING - WATERBOURNE	FT	11,962											
631-010A	RUMBLE STRIPS	MILES	1.5											
675-005A	SURVEY	LS	1											
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	CA	5,000											
Z629-05A	MOBILIZATION	LS	1											

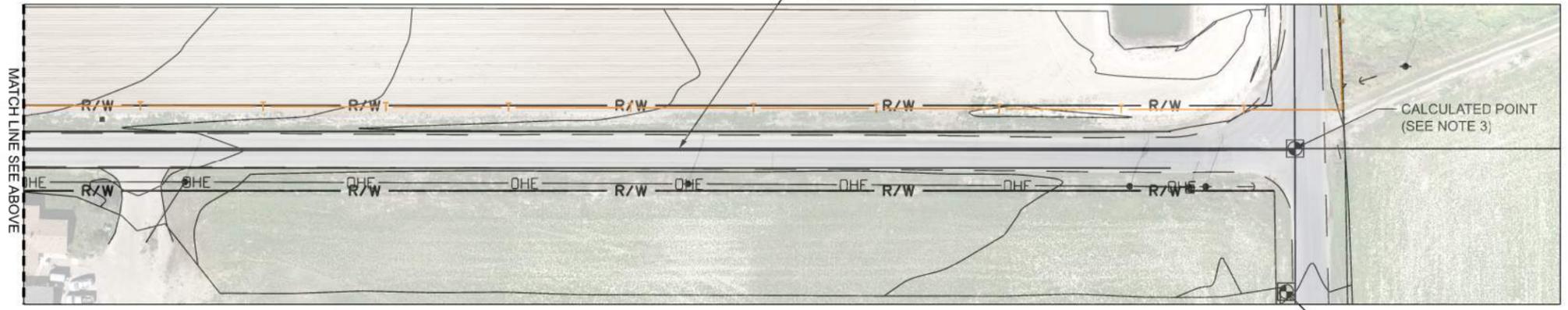
REVISIONS NO. DATE BY DESCRIPTION				DESIGNED AS DESIGN CHECKED SY DETAILED AS DRAWING CHECKED SY	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 21812 RSUM 002.DGN DRAWING DATE: MAY 2025	IDAHO TRANSPORTATION DEPARTMENT YOUR Safety--YOUR Mobility--YOUR Economic Opportunity  FORSGREN <i>Associates, Inc.</i>	PROJECT NO. A023(886)	ROADWAY SUMMARY 3200 N SAFETY IMPROVEMENTS MURTAUGH HIGHWAY DISTRICT	ENGLISH COUNTY TWIN FALLS KEY NUMBER 23886 SHEET 4 OF 26	
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SEE NOTES 3 & 4



SEE NOTES 3 & 4



2
N: 289273.58
E: 1592918.12
EL: 4131.84
CP FA CONT CAP

NOTES:

1. RECORD RESEARCH AND FIELD SEARCH FOR MONUMENTS, CONTROL POINTS, AND BENCHMARKS IN THE PROPOSED AREA OF CONSTRUCTION WAS PERFORMED AS PART OF THIS SURVEY. THE FOUND MONUMENTS ARE SHOWN HERON.
2. THE UNDERGROUND UTILITIES SHOWN HERON ARE DEPICTED BASED ON OBSERVED ABOVE-GROUND EVIDENCE. NO EVIDENCE OF DIG-LINE MARKS WERE FOUND ON-SITE. THE UTILITIES MAY OR MAY NOT BE IN SERVICE AND OTHER UTILITIES MAY EXIST ON THE SITE. ALL USERS OF THIS INFORMATION MUST COMPLY WITH TITLE 55, CHAPTER 22 IDAHO CODE AND ALL OTHER APPLICABLE LAWS AND RULES RELATED TO DAMAGE PREVENTION.
3. THE SECTION LINES SHOWN HERON ARE BASED UPON THE FOUND MONUMENTS AS SHOWN, WHICH SUBSTANTIALLY CONFORMS TO THE RECORD BEARINGS AND DISTANCES FROM RECORD OF SURVEY, INST. NO. 2020-017743, RECORDS OF TWIN FALLS COUNTY IDAHO. FIELD BOUNDARY SURVEYS TO CONFIRM THE SECTION CONRRERS FOR SAID SECTION CORNER LINES HAVE NOT BEEN COMPLETED.
4. THE PRESCRIPTIVE AND PROPOSED RIGHT-OF-WAY LINES SHOWN ALONG E. 3200 N RD. ARE BASED UPON HOLDING THE SECTIONAL LINES AS CITED ABOVE AND WITHIN DOCUMENTS PROVIDED BY CHANCEY PERKINS OF THE MURTAUGH HIGHWAY DISTRICT.

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 3200 N Center2 - Plan 10.dgn DRAWING DATE: MAY 2025
DESIGN CHECKED	SY	
DETAILED	AS	
DRAWING CHECKED	SY	

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DEPARTMENT
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FORSGREN
Associates Inc.

PROJECT NO.	A023(886)
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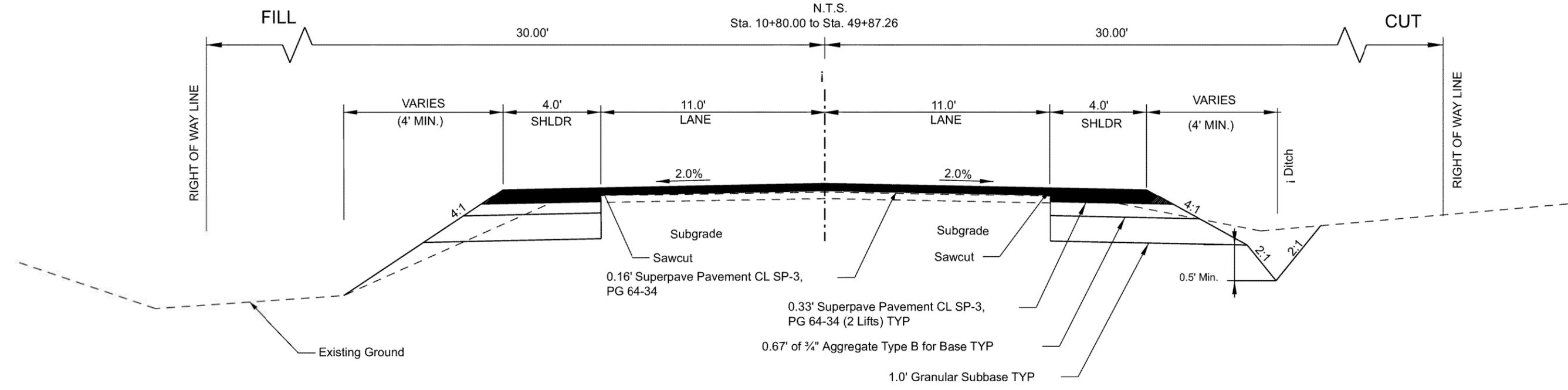
SURVEY CONTROL SHEET	3200 N SAFETY IMPROVEMENTS MURTAUGH HIGHWAY DISTRICT SURVEY CONTROL
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ENGLISH
COUNTY TWIN FALLS
KEY NUMBER 23886
SHEET 5 OF 26



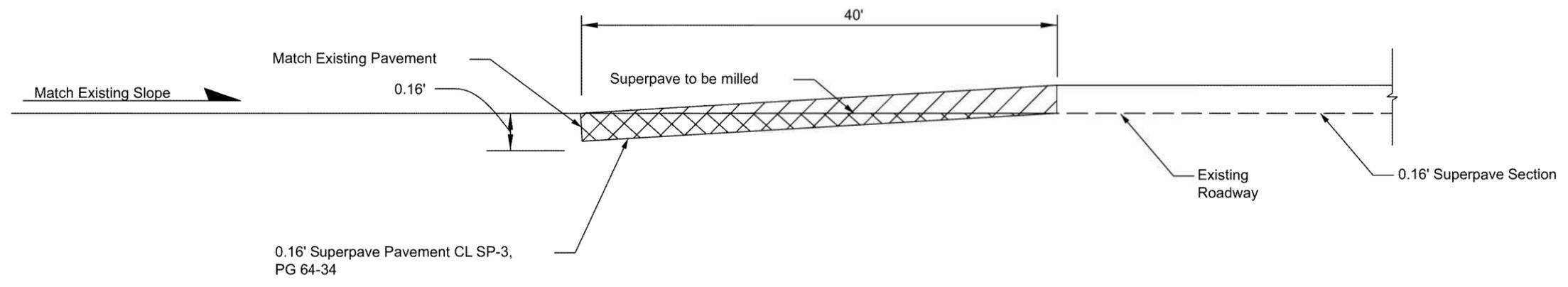
3200 N TYPICAL SECTION

N.T.S.
Sta. 10+80.00 to Sta. 49+87.26



BEGIN AND END PROJECT WEDGE MILL DETAIL

N.T.S.



ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS
DESIGN CHECKED	SY
DETAILED	AS
DRAWING CHECKED	SY

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
49+87.26.dgn

DRAWING DATE:
MAY 2025

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DEPARTMENT**

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FORSGREN
Associates, Inc.



PROJECT NO.

A023(886)

TYPICAL SECTION

3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
TYPICAL SECTION

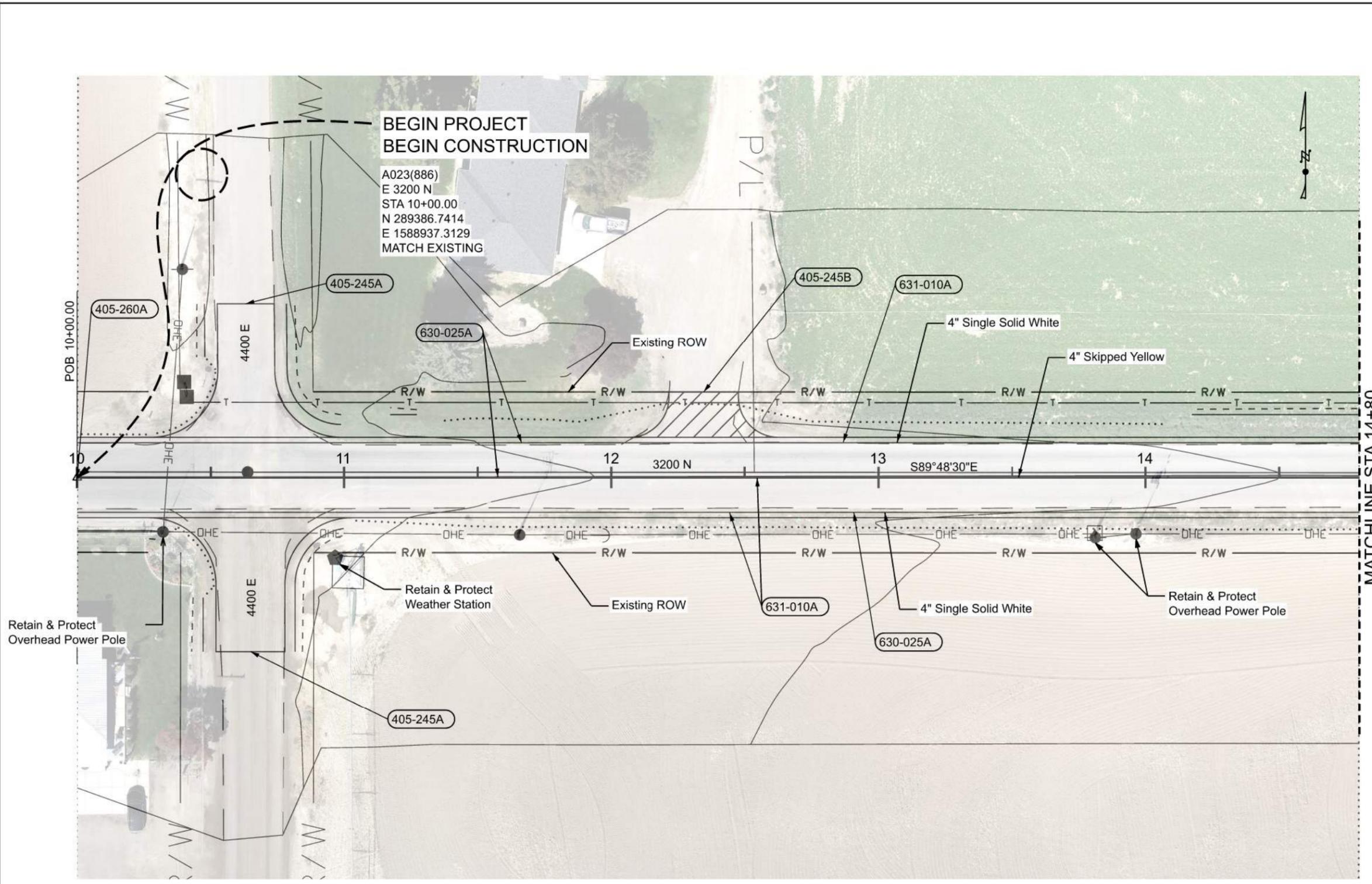
ENGLISH

COUNTY TWIN FALLS

KEY NUMBER 23886

SHEET 6 OF 25

PROFESSIONAL ENGINEER
REGISTERED
10208
11/31/2025
STATE OF IDAHO
STEVEN R. YEARSLEY



- 405-245A** Approach - Public
1 Each., Sta 10+63 Lt., W=21'
1 Each., Sta 10+65 Rt., W=21'
- 405-245B** Approach - Private
1 Ea., Sta 12+25 Lt., W=26'
- 405-260A** Wedge Milling
320 SY, Sta 10+00
- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 10+00 to Sta 14+80
- 631-010A** Rumble Strips
.005 Miles Sta 10+00 to Sta 10+27, 13.5' Lt.
.005 Miles Sta 10+00 to Sta 10+27, 13.5' Rt.
.09 Miles Sta 10+00 to Sta 14+80, 0.0' Rt.
.07 Miles Sta 11+00 to Sta 14+80, 13.5' Lt.
.07 Miles Sta 11+00 to Sta 14+80, 13.5' Rt.

ORIGINAL STORED
AT: ITD, District 4
216 Dale Street,
Shoshone, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23886_plan_001.dgn DRAWING DATE: MAY 2025
DESIGN CHECKED	SY	
DETAILED	AS	
DRAWING CHECKED	SY	

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FORSQREN
Associates Inc.

PROJECT NO.

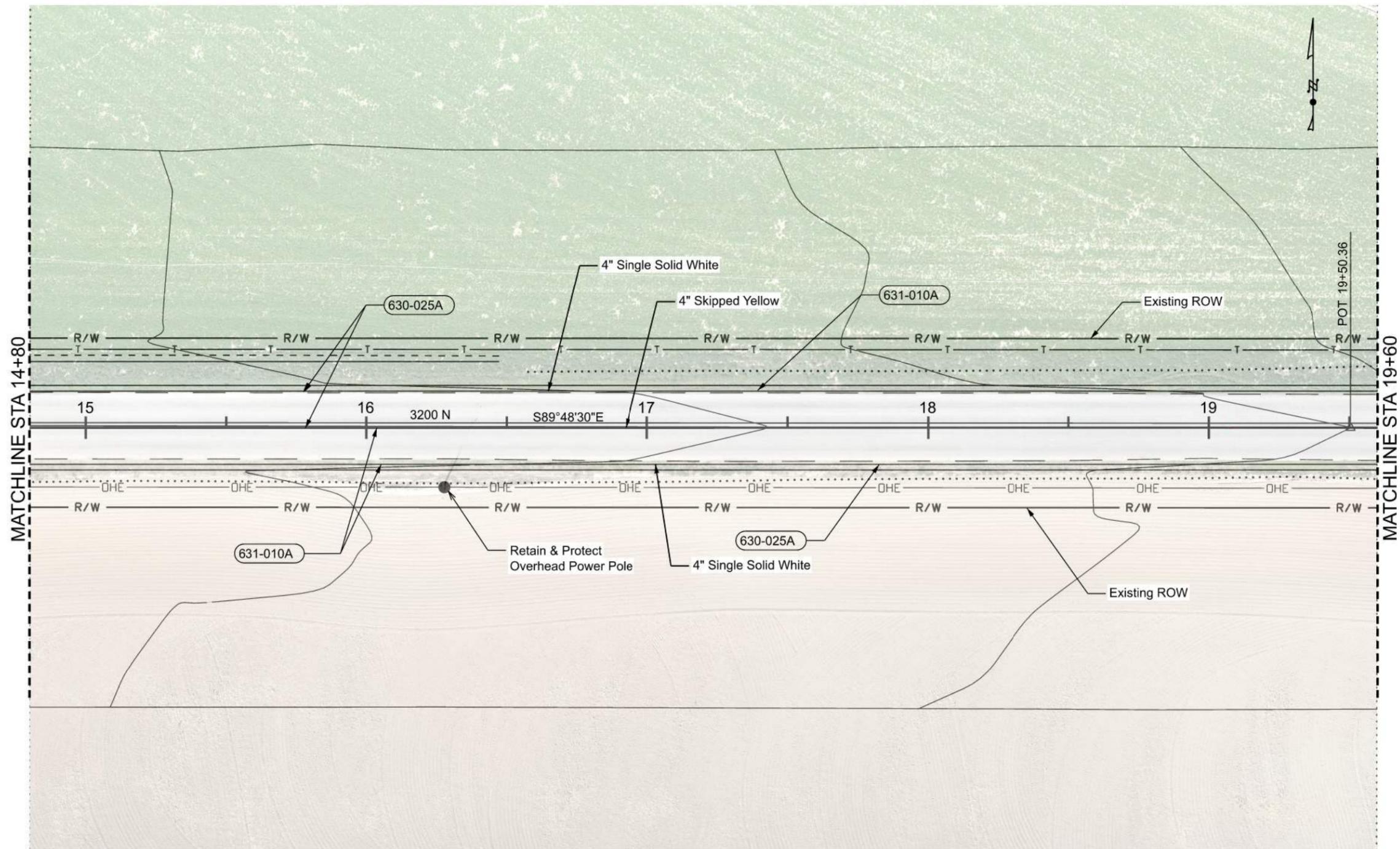
A023(886)

PLAN SHEET

3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 10+00 TO STA 14+80

ENGLISH
COUNTY TWIN FALLS
KEY NUMBER 23886
SHEET 7 OF 26



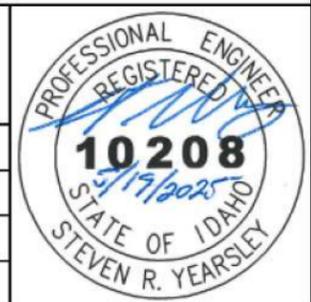


- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 14+80 to Sta 19+60
- 631-010A** Rumble Strips
 - .09 Miles Sta 14+80 to Sta 19+60, 13.5' Lt.
 - .09 Miles Sta 14+80 to Sta 19+60, 0.0' Lt.
 - .09 Miles Sta 14+80 to Sta 19+60, 13.5' Rt.

MATCHLINE STA 14+80

MATCHLINE STA 19+60

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DETAILED	AS	
DRAWING CHECKED	SY	

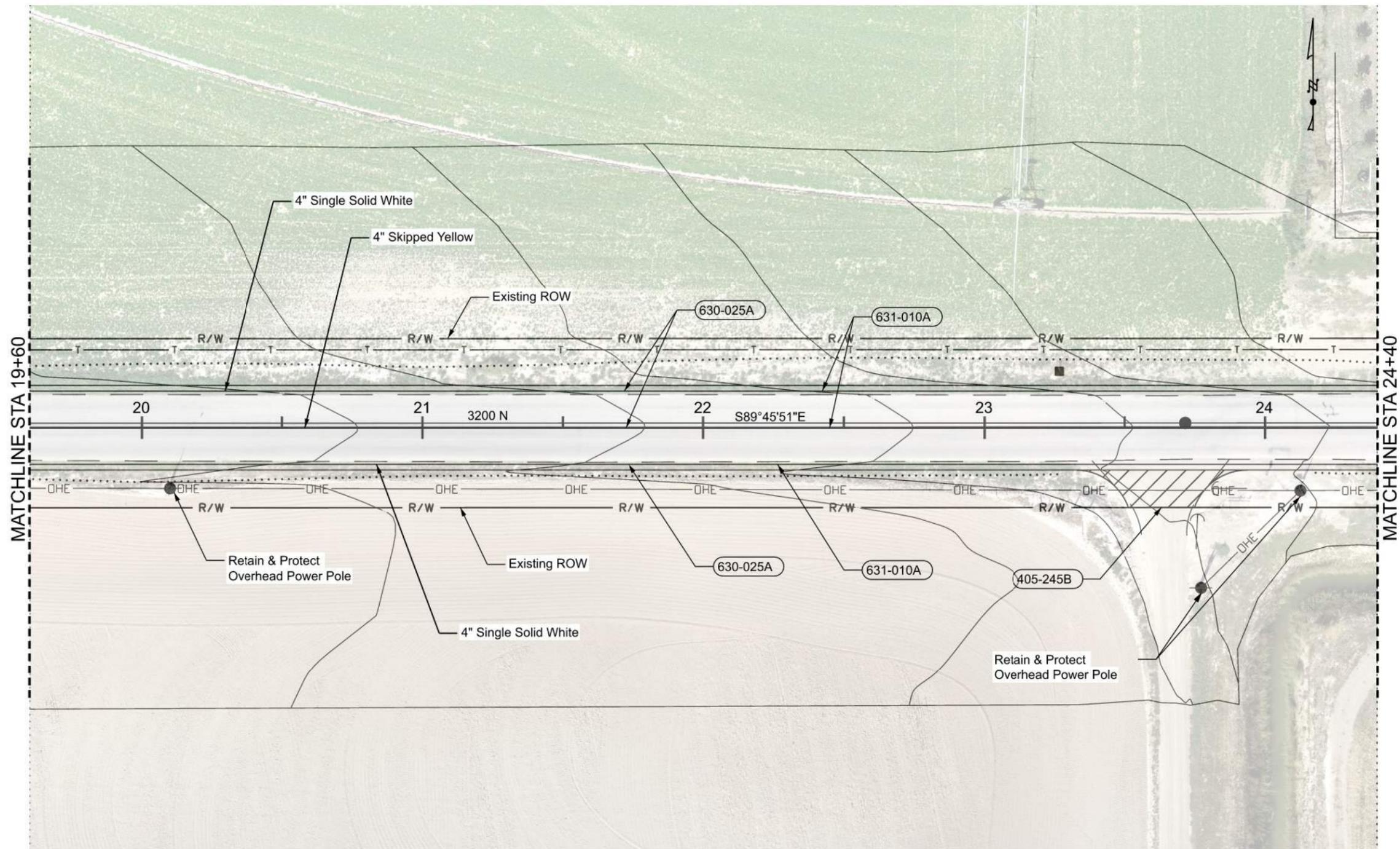
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FORSGREN
Associates Inc.

PROJECT NO.
A023(886)

PLAN SHEET
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 14+80 TO 19+60**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 8 OF 26



- 405-245B** Approach - Private
1 Ea., Sta 23+63 Rt., W=36'
- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 19+60 to Sta 24+40
- 631-010A** Rumble Strips
.09 Miles Sta 19+60 to Sta 24+40, 13.5' Lt.
.09 Miles Sta 19+60 to Sta 24+40, 0.0' Lt.
.09 Miles Sta 19+60 to Sta 24+40, 13.5' Rt.

MATCHLINE STA 19+60

MATCHLINE STA 24+40

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23886_plan_003.dgn DRAWING DATE: MAY 2025
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DETAILED	AS	
DRAWING CHECKED	SY	

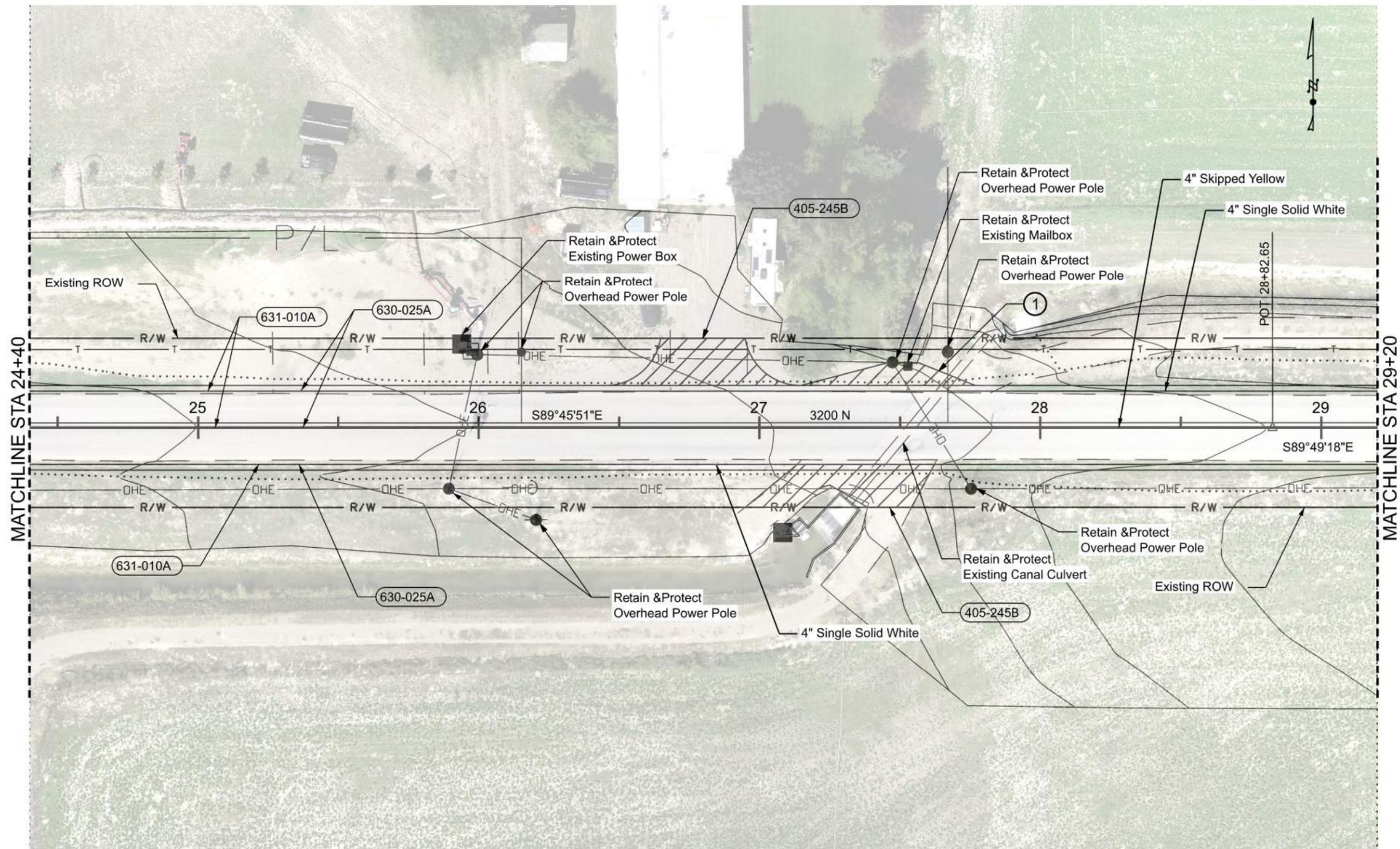
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FORSQREN
Associates Inc.

PROJECT NO.
A023(886)

PLAN SHEET
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 19+60 TO STA 24+40**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 9 OF 26



- 405-245B** Approach - Private
 1 Ea., Sta 26+80 Lt., W=30'
 1 Ea., Sta 27+36 Lt., W=49'
- 630-025A** Longitudinal Pavement Markings
 1,440 FT Sta 24+40 to Sta 29+20
- 631-010A** Rumble Strips
 .09 Miles Sta 24+40 to Sta 29+20, 13.5' Lt.
 .09 Miles Sta 24+40 to Sta 29+20, 0.0' Lt.
 .09 Miles Sta 24+40 to Sta 29+20, 13.5' Rt.

MATCHLINE STA 24+40

MATCHLINE STA 29+20

NOTES

- ① Mailbox turnout. See Standard Drawing 405-2

ORIGINAL STORED AT: ITD, District 4
 216 Date Street, Shoshone, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 23886_plan_004.dgn DRAWING DATE: MAY 2025
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DETAILED	AS	
DRAWING CHECKED	SY	

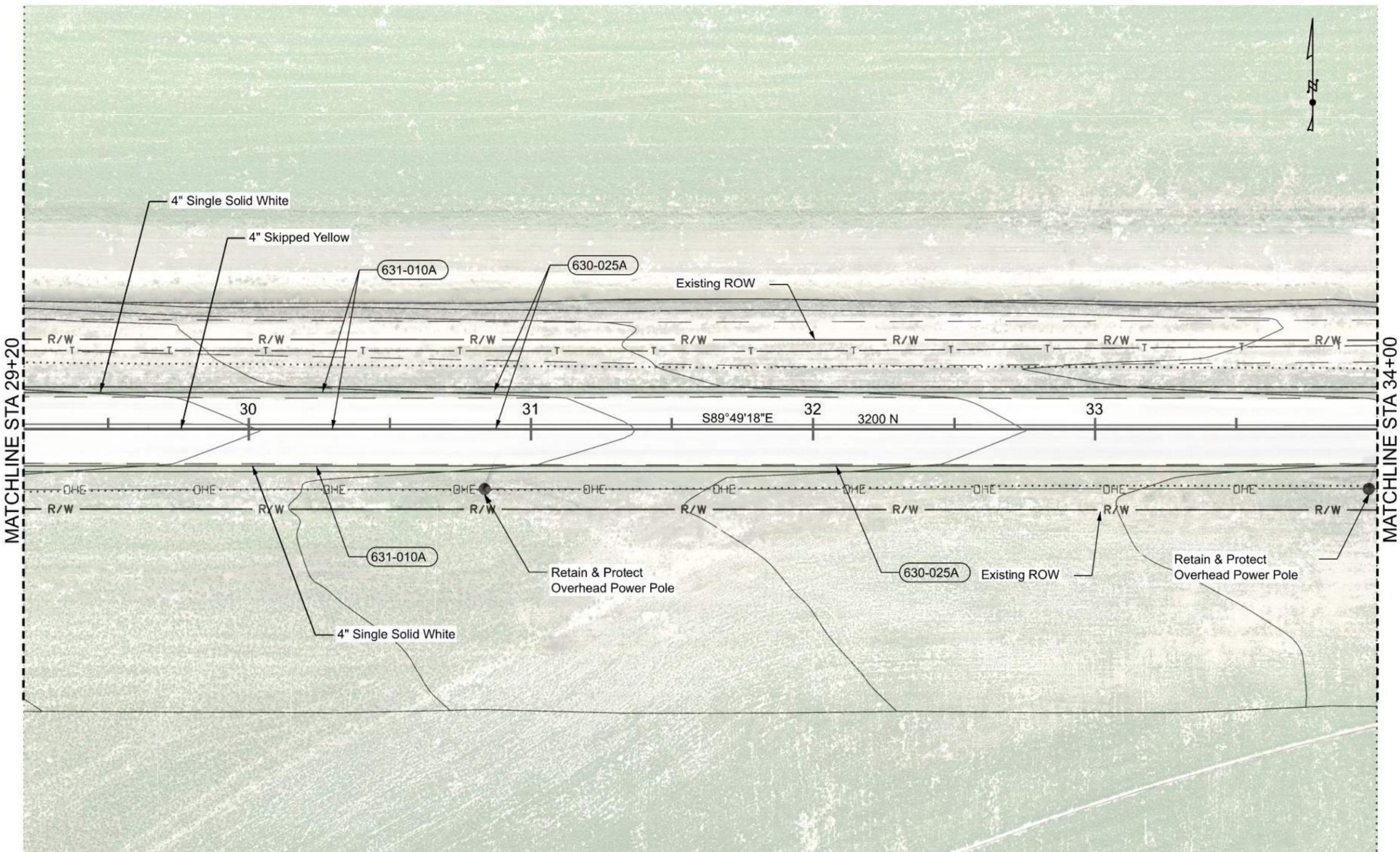
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FORSQREN Associates, Inc.

PROJECT NO.
 A023(886)

PLAN SHEET
 3200 N SAFETY IMPROVEMENTS
 MURTAUGH HIGHWAY DISTRICT
 STA 24+40 TO STA 29+20

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 10 OF 26



- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 29+20 to Sta 34+00
- 631-010A** Rumble Strips
 - .09 Miles Sta 29+20 to Sta 34+00, 13.5' Lt.
 - .09 Miles Sta 29+20 to Sta 34+00, 0.0' Lt.
 - .09 Miles Sta 29+20 to Sta 34+00, 13.5' Rt.

MATCHLINE STA 29+20

MATCHLINE STA 34+00

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

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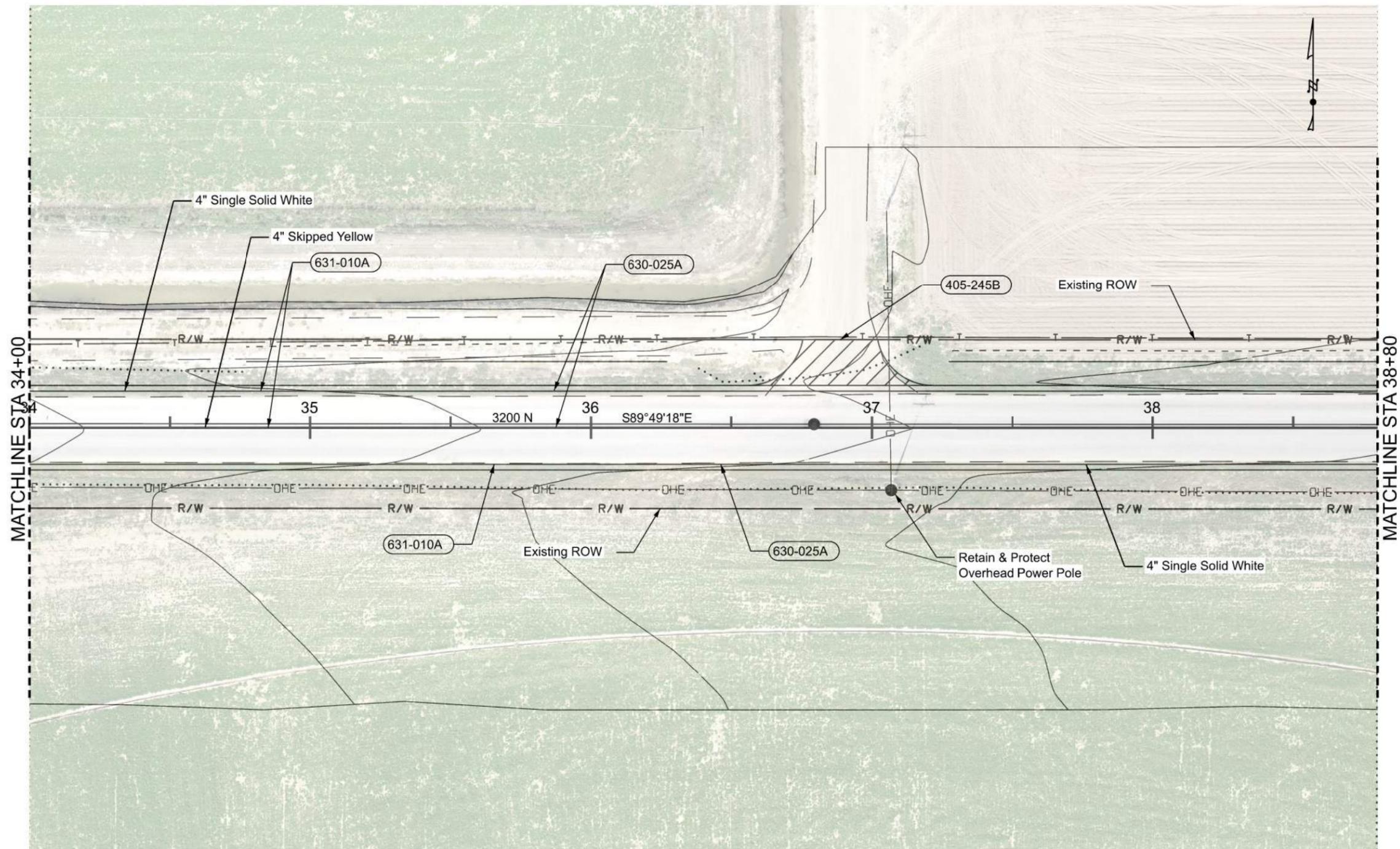
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FORSQREN
Associates Inc.

PROJECT NO.
A023(886)

PLAN SHEET
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 29+20 TO STA 34+00**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 11 OF 26



- 405-245B** Approach - Private
1 Ea., Sta. 36+39 Lt., W=26.5'
- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 34+00 to Sta 38+80
- 631-010A** Rumble Strips
.09 Miles Sta 34+00 to Sta 38+80, 13.5' Lt.
.09 Miles Sta 34+00 to Sta 38+80, 0.0' Lt.
.09 Miles Sta 34+00 to Sta 38+80, 13.5' Rt.

MATCHLINE STA 34+00

MATCHLINE STA 38+80

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID



REVISIONS			
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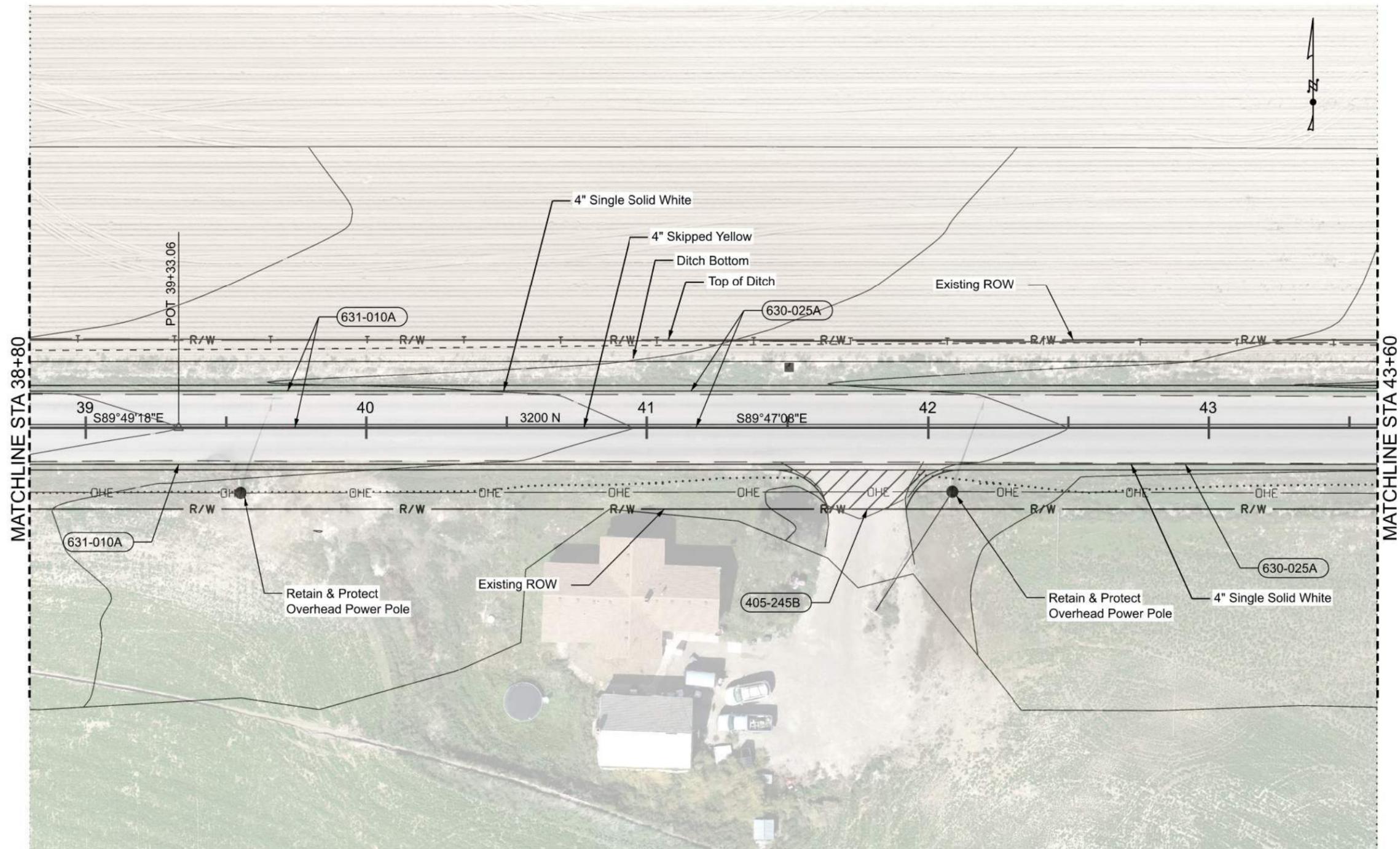
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PROJECT NO.
A023(886)

PLAN SHEET
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 34+00 TO STA 38+80**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 12 OF 26



- 405-245A** Approach - Private
1 Ea., Sta 41+78 Rt., W=27.5'
- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 38+80 to Sta 43+60
- 631-010A** Rumble Strips
.09 Miles Sta 38+80 to Sta 43+60, 13.5' Lt.
.09 Miles Sta 38+80 to Sta 43+60, 0.0' Lt.
.09 Miles Sta 38+80 to Sta 43+60, 13.5' Rt.

MATCHLINE STA 38+80

MATCHLINE STA 43+60

ORIGINAL STORED
AT: ITD, District 4
216 Dale Street,
Shoshone, ID



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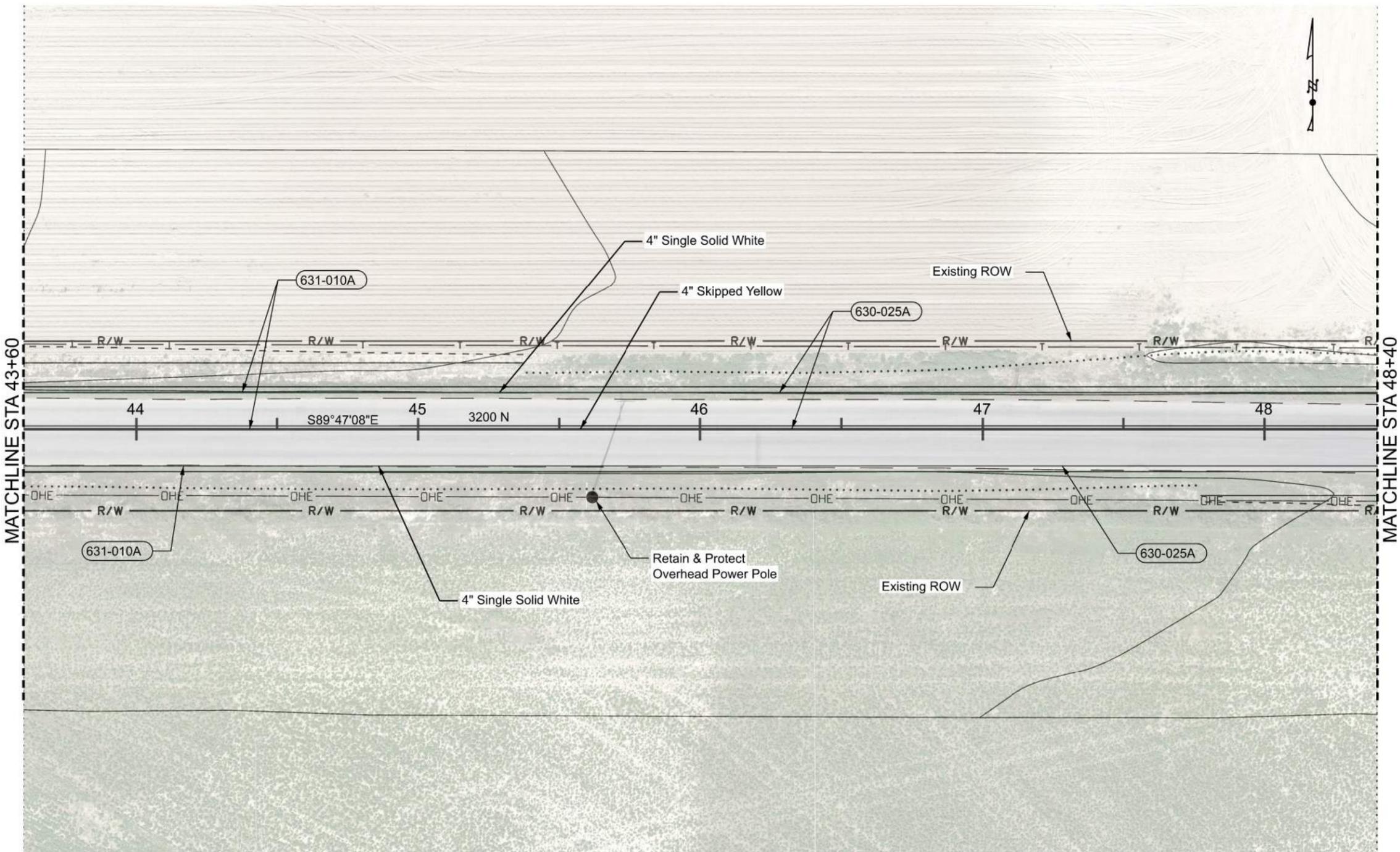
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PROJECT NO.
A023(886)

PLAN SHEET
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 38+80 TO STA 43+60**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 13 OF 26



- 630-025A** Longitudinal Pavement Markings
1,440 FT Sta 43+60 to Sta 48+40
- 631-010A** Rumble Strips
.09 Miles Sta 43+60 to Sta 48+40, 13.5' Lt.
.09 Miles Sta 43+60 to Sta 48+40, 0.0' Lt.
.09 Miles Sta 43+60 to Sta 48+40, 13.5' Rt.

MATCHLINE STA 43+60

MATCHLINE STA 48+40

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID

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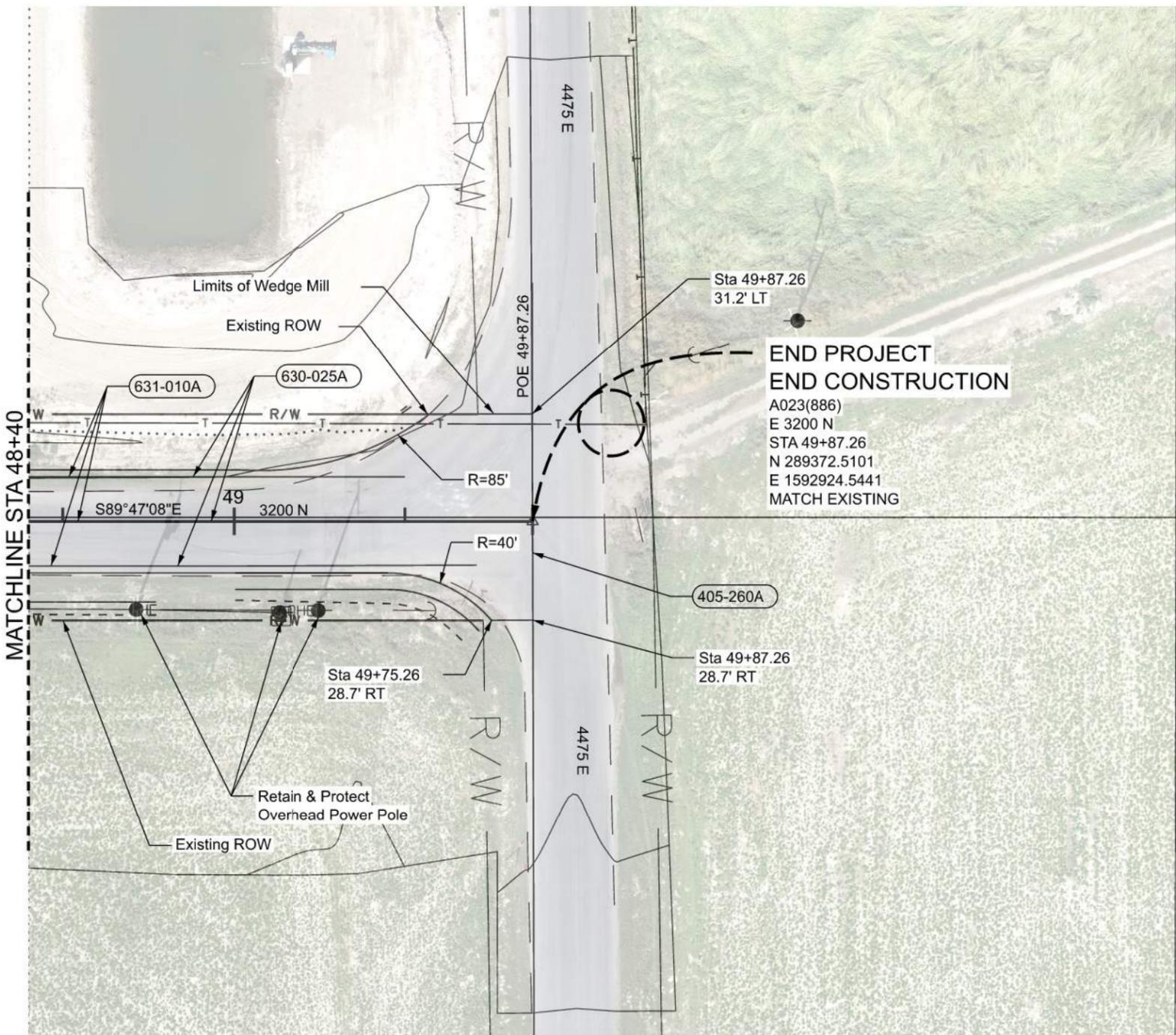
A023(886)

PLAN SHEET

 3200 N SAFETY IMPROVEMENTS
 MURTAUGH HIGHWAY DISTRICT
 STA 43+60 TO STA 48+40

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 14 OF 26





- 405-260A Wedge Milling
320 SY, Sta 49+00
- 630-025A Longitudinal Pavement Markings
442 FT Sta 48+40 to Sta 49+87.26
- 631-010A Rumble Strips
.02 Miles Sta 48+40 to Sta 49+00, 13.5' Lt.
.02 Miles Sta 48+40 to Sta 49+00, 0.0' Lt.
.02 Miles Sta 48+40 to Sta 49+00, 13.5' Rt.

**END PROJECT
END CONSTRUCTION**
 A023(886)
 E 3200 N
 STA 49+87.26
 N 289372.5101
 E 1592924.5441
 MATCH EXISTING

MATCHLINE STA 48+40

ORIGINAL STORED
 AT: ITD, District 4
 216 Date Street,
 Shoshone, ID



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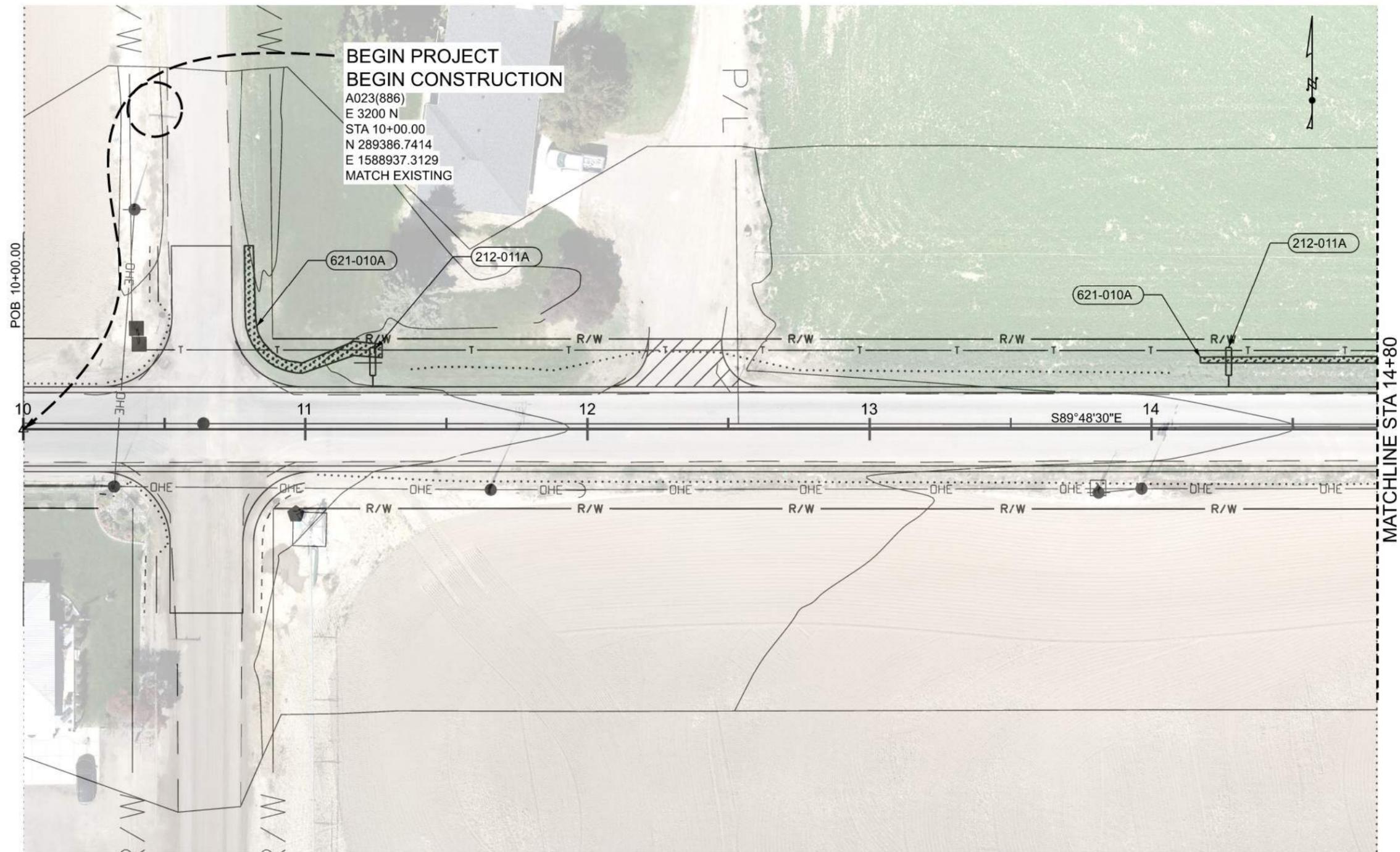
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PLAN SHEET

 3200 N SAFETY IMPROVEMENTS
 MURTAUGH HIGHWAY DISTRICT
 STA 48+40 TO STA 49+87.26

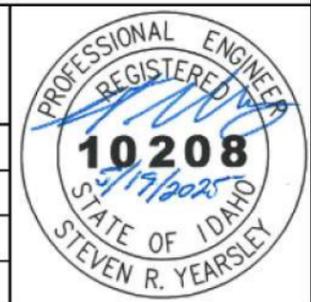
ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 15 OF 26



- 212-011A** Fiber Wattle
 - 10 FT, Sta. 11+25 Lt.
 - 10 FT, Sta. 14+20 Lt.
- 621-010A** Seeding
 - .007 AC, Sta. 11+00 to Sta. 11+75 Lt.
 - .004 AC, Sta. 12+90 to Sta. 14+80 Lt.

MATCHLINE STA 14+80

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
Shoshone, ID



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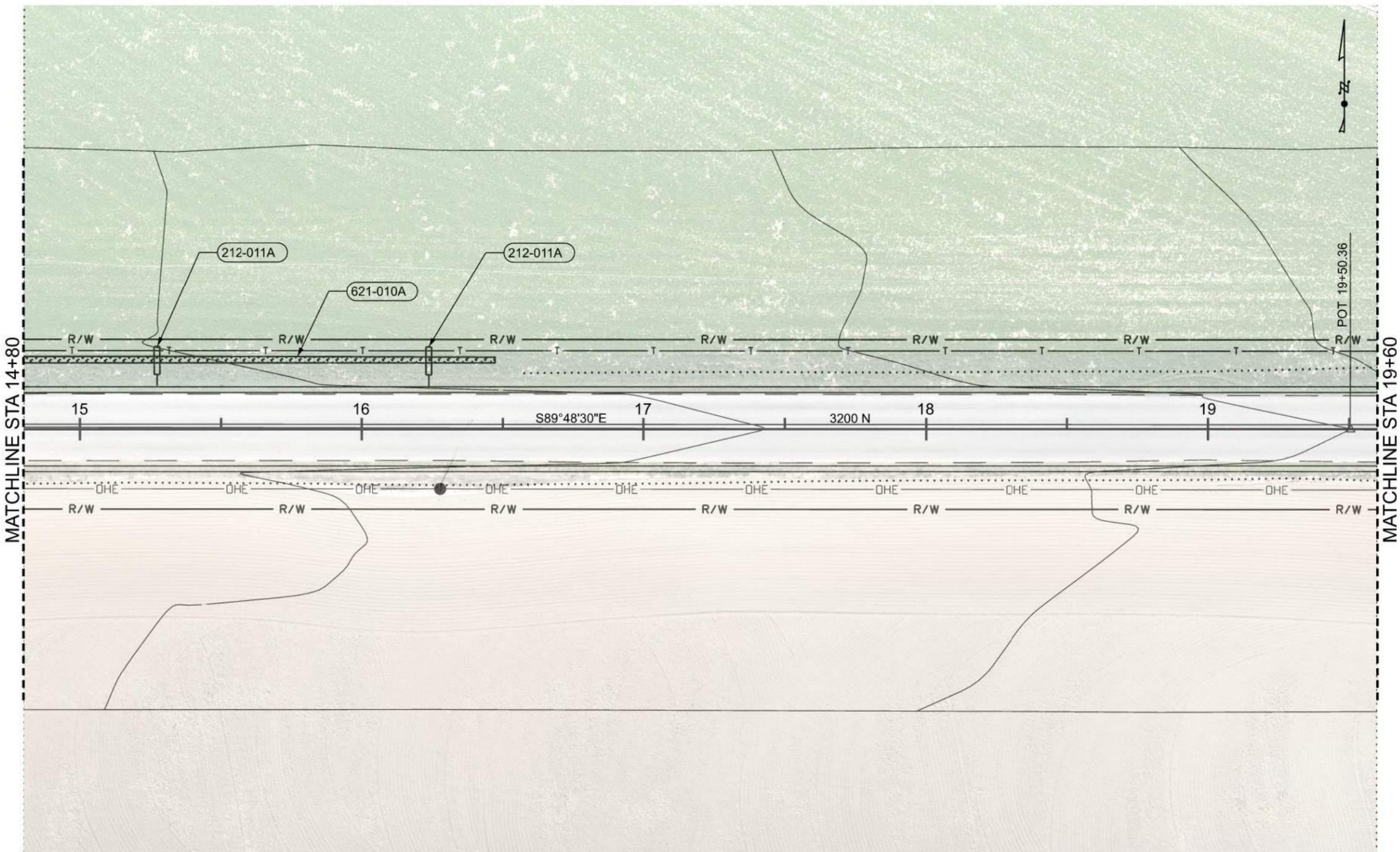
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PROJECT NO.
A023(886)

POLLUTION PREVENTION PLAN
3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 10+00 TO STA 14+80

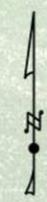
ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 16 OF 26



- (212-011A) Fiber Wattle
 - 10 FT, Sta. 15+25 Lt.
 - 10 FT, Sta. 16+25 Lt.
- (621-010A) Seeding
 - .007 AC., Sta. 14+80 to Sta. 16+50 Lt.

MATCHLINE STA 14+80

MATCHLINE STA 19+60



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AT: ITD, District 4
216 Date Street,
Shoshone, ID

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SCALES SHOWN
ARE FOR 11" X 17"
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PROJECT NO.

A023(886)

POLLUTION PREVENTION PLAN

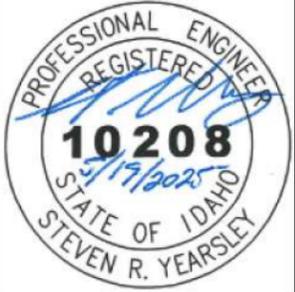
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 14+80 TO STA 19+60**

ENGLISH

COUNTY TWIN FALLS

KEY NUMBER 23886

SHEET 17 OF 26





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AT: ITD, District 4
216 Date Street,
Shoshone, ID

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SCALES SHOWN
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POLLUTION PREVENTION PLAN

3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 19+60 TO STA 24+40

ENGLISH

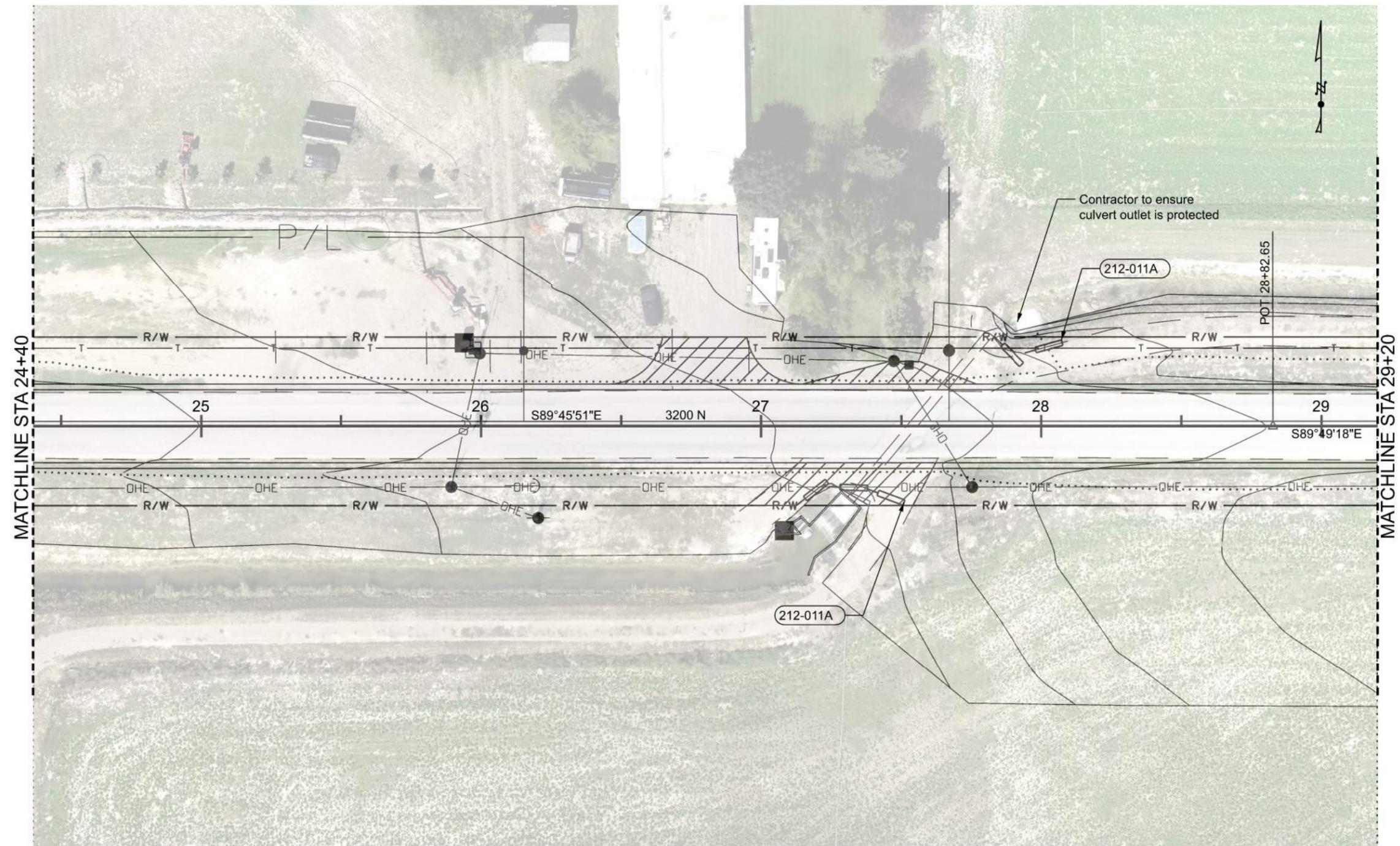
COUNTY TWIN FALLS

KEY NUMBER 23886

SHEET 18 OF 26



212-011A Fiber Wattle
 40 FT., Sta. 27+10 to Sta. 27+55 Rt.
 25 FT., Sta. 27+85 to Sta. 28+10 Lt.



MATCHLINE STA 24+40

MATCHLINE STA 29+20

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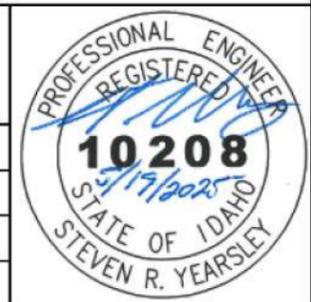


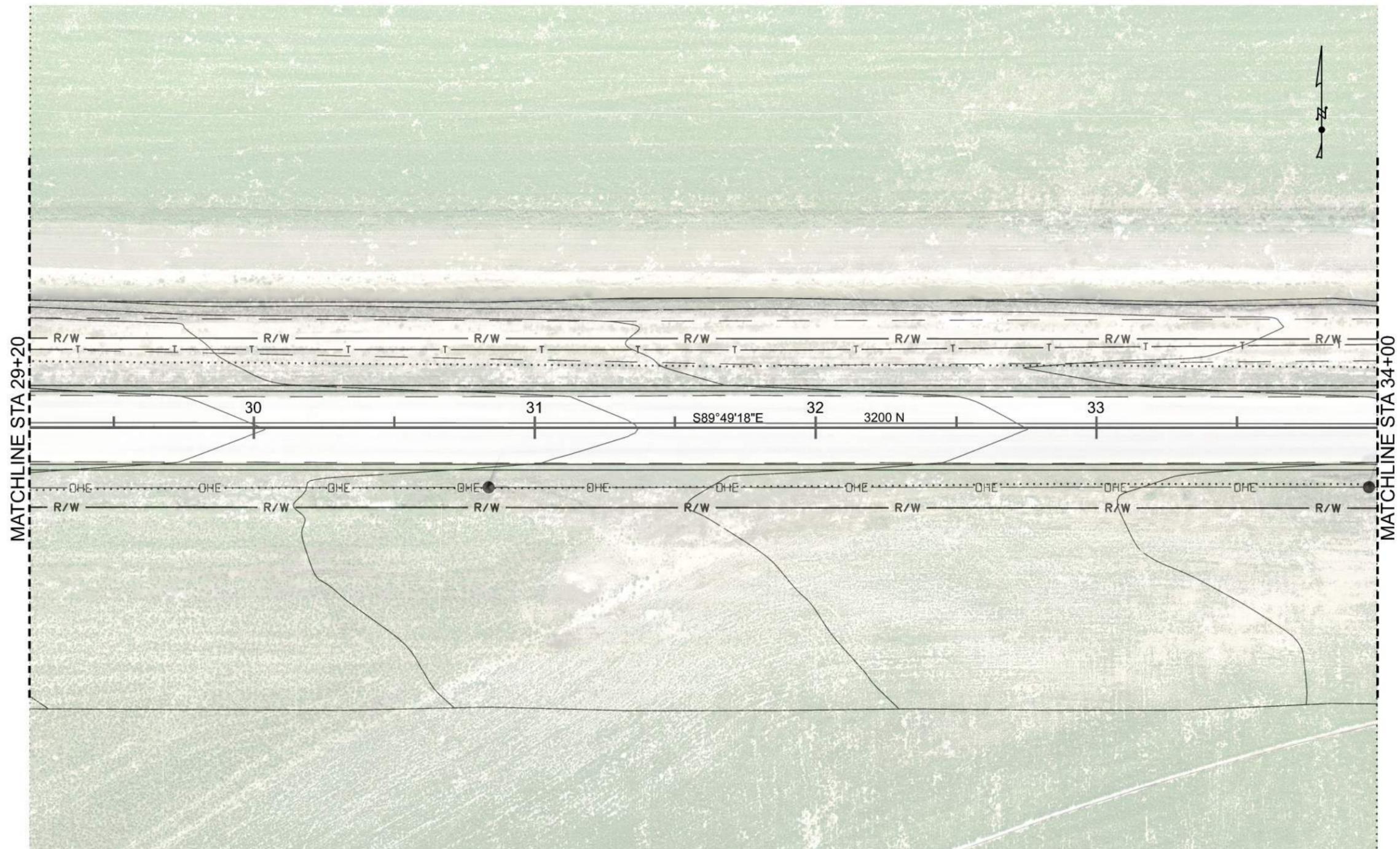
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PROJECT NO.
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POLLUTION PREVENTION PLAN
**3200 N SAFETY IMPROVEMENTS
 MURTAUGH HIGHWAY DISTRICT
 STA 24+40 TO STA 29+20**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 19 OF 26





MATCHLINE STA 29+20

MATCHLINE STA 34+00



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PROJECT NO.

A023(886)

POLLUTION PREVENTION PLAN

**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 29+20 TO STA 34+00**

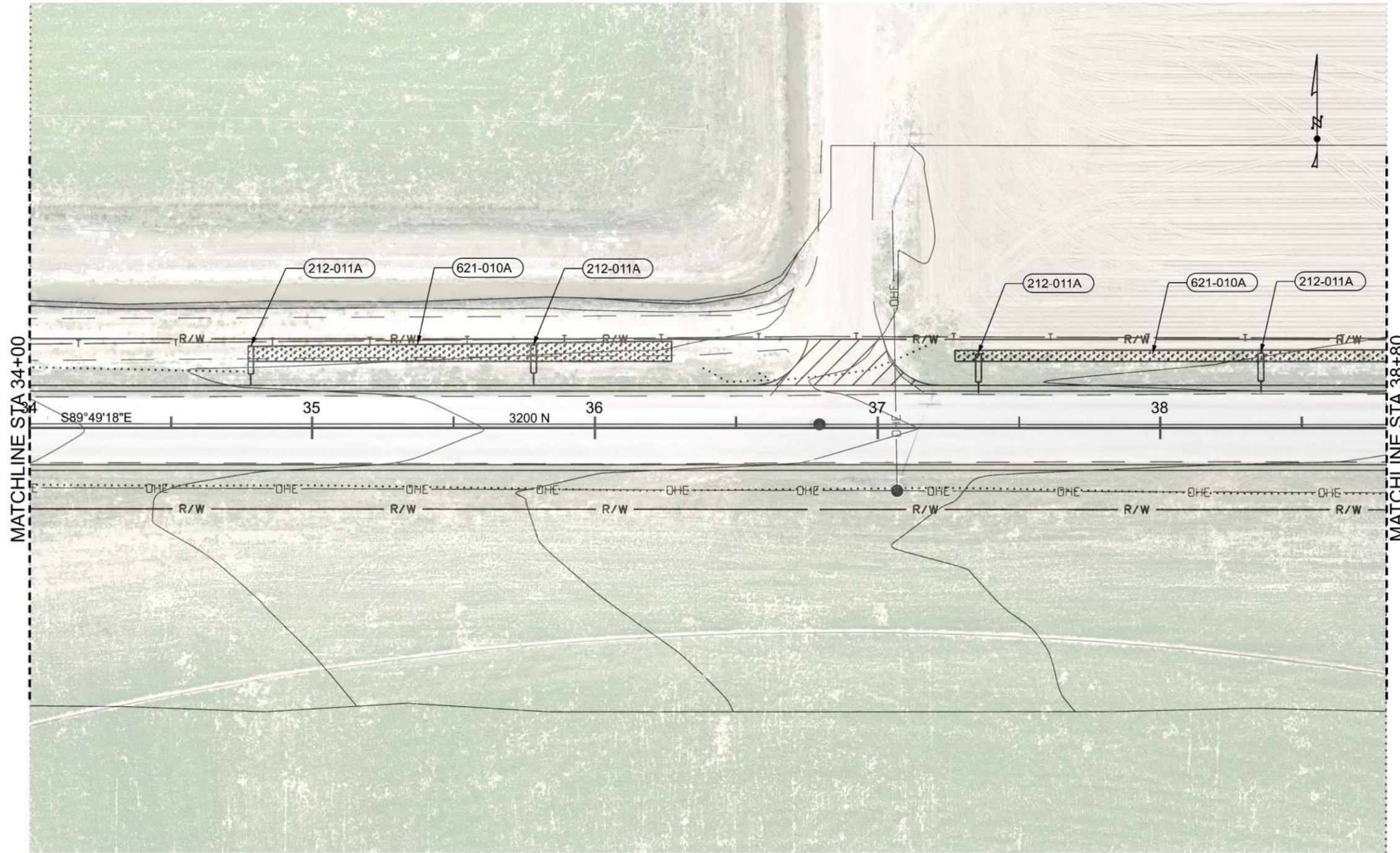
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COUNTY TWIN FALLS

KEY NUMBER 23886

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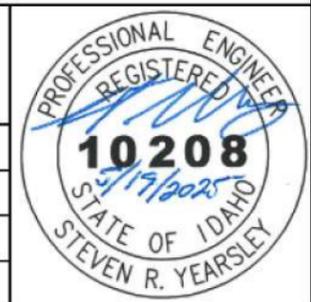


- 212-011A** Fiber Wattle
 - 10 FT, Sta. 34+77 Lt.
 - 10 FT, Sta. 35+77 Lt.
 - 10 FT, Sta. 37+40 Lt.
 - 10 FT, Sta. 38+40 Lt.
- 621-010A** Seeding
 - .021 AC, Sta. 34+77 to Sta. 36+25 Lt.
 - .013 AC, Sta. 37+20 to Sta. 38+80 Lt.

MATCHLINE STA 34+00

MATCHLINE STA 38+80

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216 Date Street,
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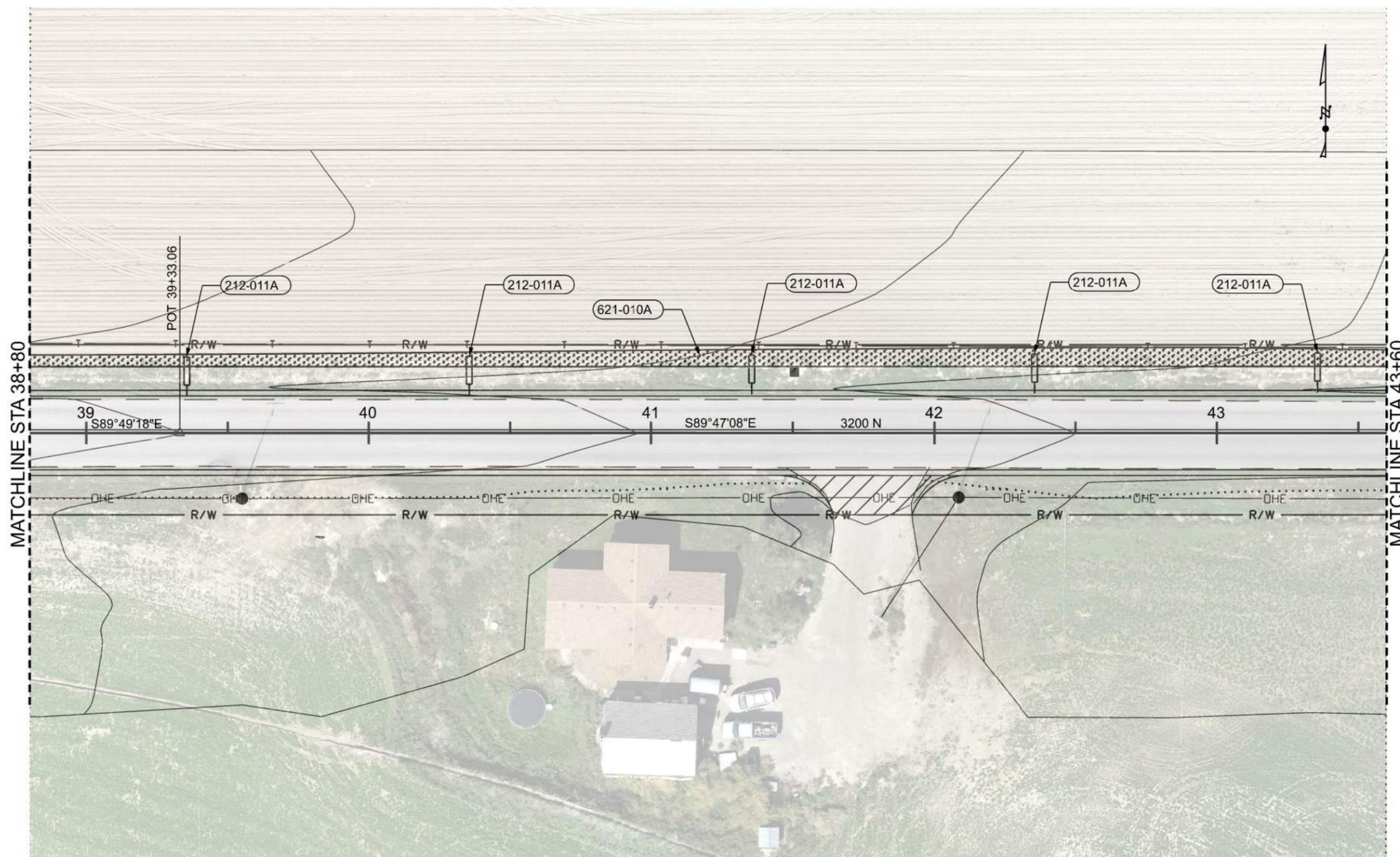
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PROJECT NO.
A023(886)

POLLUTION PREVENTION PLAN
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 34+00 TO STA 38+80**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 21 OF 26



- 212-011A** Fiber Wattle
 - 10 FT, Sta. 39+40 Lt.
 - 10 FT, Sta. 40+40 Lt.
 - 10 FT, Sta. 41+40 Lt.
 - 10 FT, Sta. 42+40 Lt.
 - 10 FT, Sta. 43+40 Lt.
- 621-010A** Seeding
 - .069 AC, Sta. 38+80 to Sta. 43+60 Lt.

MATCHLINE STA 38+80

MATCHLINE STA 43+60

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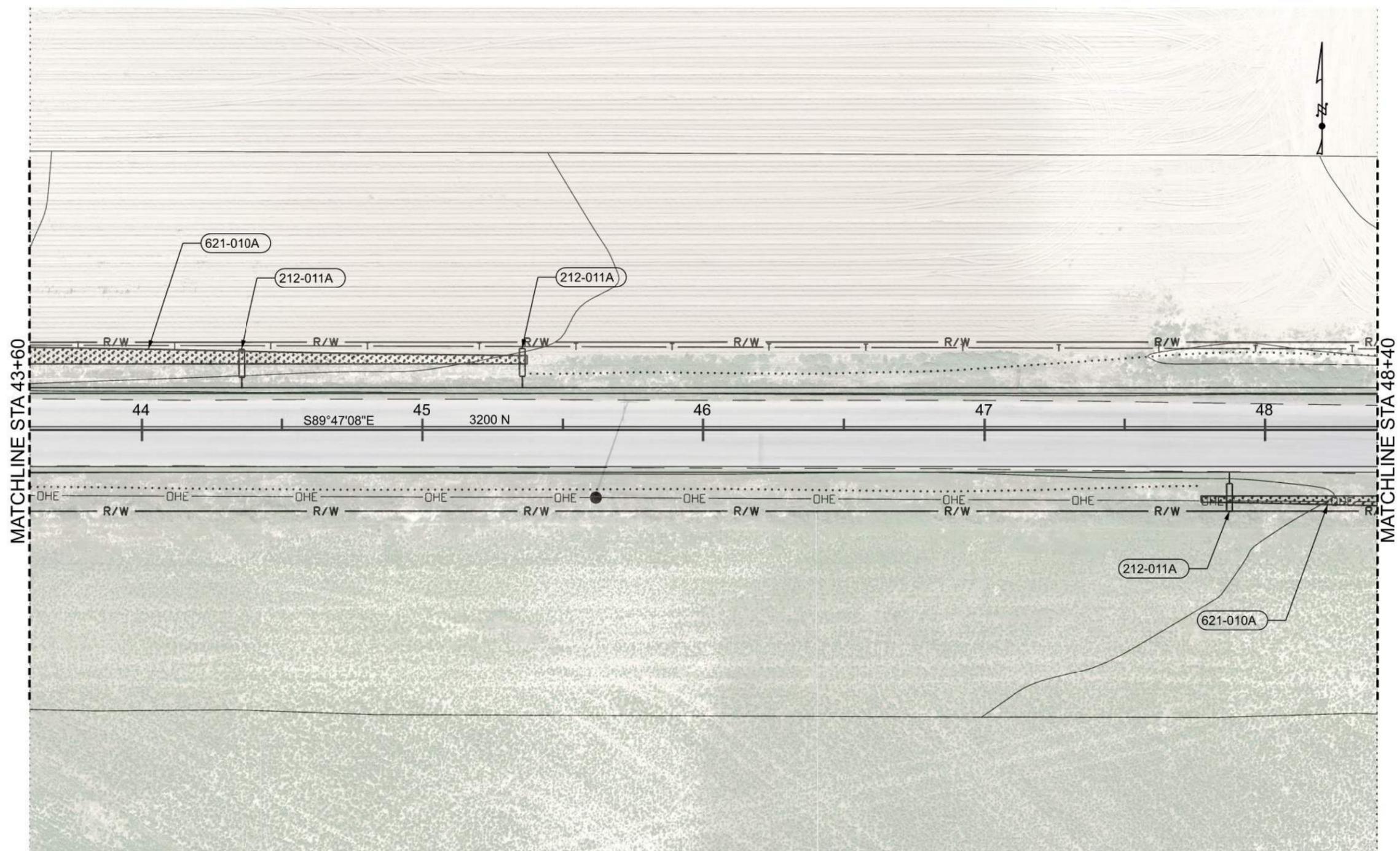
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PROJECT NO.
A023(886)

POLLUTION PREVENTION PLAN
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 38+80 TO STA 43+60**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 22 OF 26

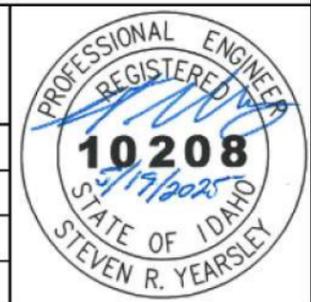


- 212-011A Fiber Wattle
 - 10 FT, Sta. 44+40 Lt.
 - 10 FT, Sta. 45+40 Lt.
 - 10 FT, Sta. 47+90 Rt.
- 621-010A Seeding
 - .011 AC, Sta. 43+60 to Sta. 45+40 Lt.
 - .002 AC, Sta. 47+85 to Sta. 48+40 Rt.

MATCHLINE STA 43+60

MATCHLINE STA 48+40

ORIGINAL STORED
AT: ITD, District 4
216 Date Street,
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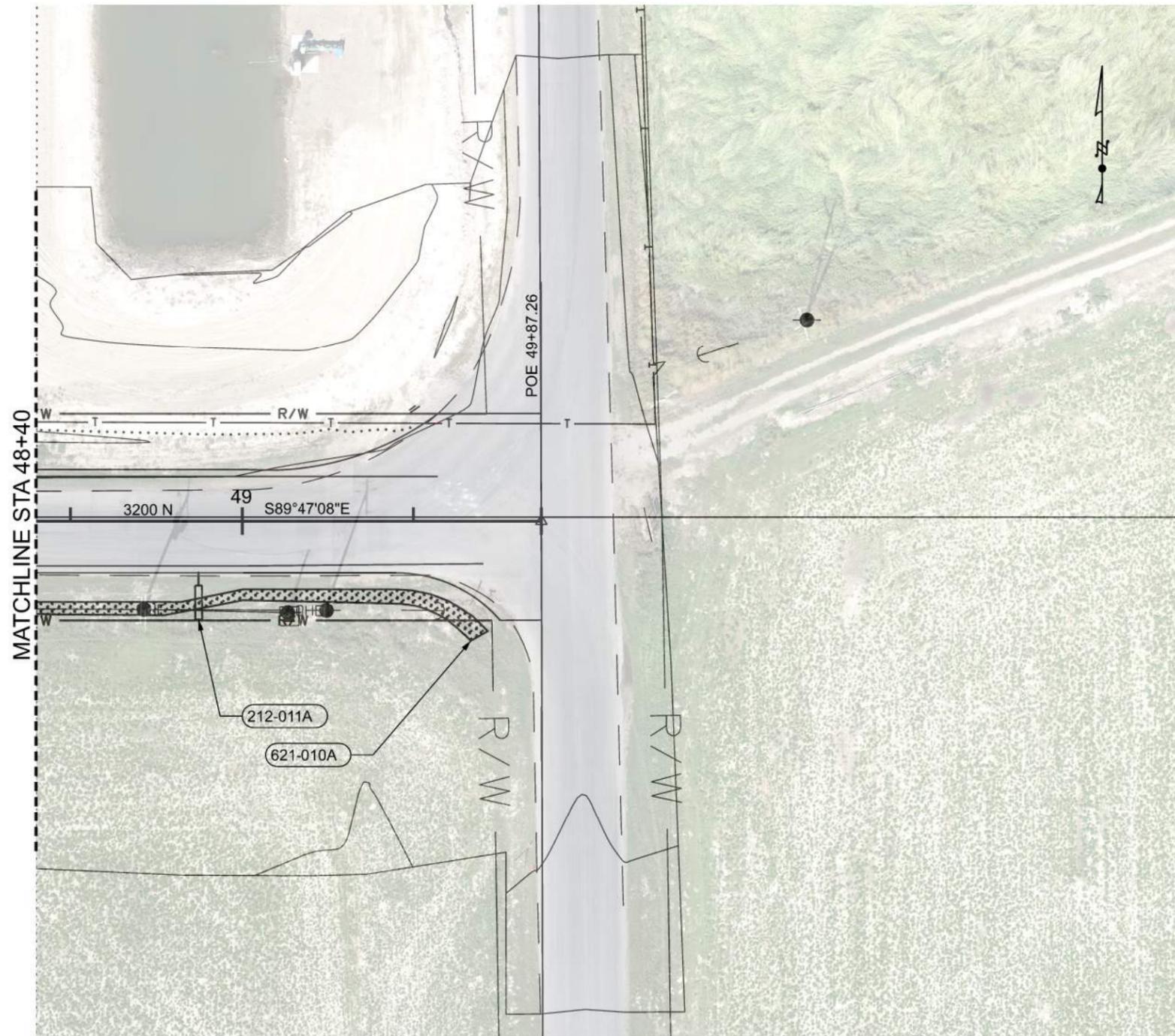
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PROJECT NO.
A023(886)

POLLUTION PREVENTION PLAN
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 43+60 TO STA 48+40**

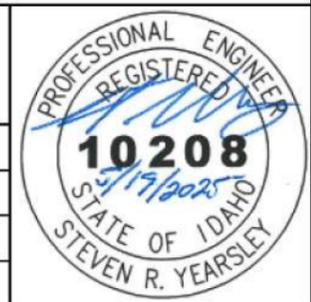
ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 23 OF 26



212-011A Fiber Wattle
10 FT, Sta. 48+90 Rt.

212-011A Seeding
.011 AC, Sta. 48+40 to
Sta. 49+70 Rt.

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AT: ITD, District 4
216 Date Street,
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PROJECT NO.
A023(886)

POLLUTION PREVENTION PLAN
**3200 N SAFETY IMPROVEMENTS
MURTAUGH HIGHWAY DISTRICT
STA 48+40 TO STA 49+87.26**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 24 OF 26

NOTES:

1. ALL TAPER LENGTHS, AND WORK ZONE TRAFFIC CONTROL SIGNING AND DEVICES USED BY THE CONTRACTOR, SHALL MEET OR EXCEED THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AS ADOPTED BY THE STATE.
2. ALL SIGNS AND CHANNELIZING DEVICES USED BY THE CONTRACTOR SHALL BE NEW OR LIKE NEW CONDITION AND SHALL MEET THE RETRO REFLECTIVITY REQUIREMENTS OF THE IDAHO TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SUBSECTION 712.02.
3. TRAFFIC CONTROL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE IDAHO TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SUBSECTION 105.14 D - MAINTENANCE OF TRAFFIC.
4. THE CONTRACTOR SHALL SUBMIT A NEW TRAFFIC CONTROL PLAN FOR APPROVAL IF THE TRAFFIC CONTROL PLAN AS SHOWN DOES NOT CONFORM TO THE CONTRACTOR'S METHOD OF OPERATION.
5. ALL DISTANCES BETWEEN SIGNS ARE A MINIMUM AND MAY REQUIRE SPACING ADJUSTMENTS IN THE FIELD DEPENDING ON PREVAILING CONDITIONS, AND/OR CONFLICTS WITH EXISTING SIGNS.
6. ADDITIONAL SIGNING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
7. SIGNS AND SIGN STANDS NOT IN USE SHALL BE REMOVED OR LAID DOWN AT LEAST 15 FEET FROM THE TRAVEL WAY.
8. CONTRACTOR SHALL COVER CONFLICTING SIGNS BY AN ENGINEER APPROVED METHOD OR REMOVED DURING CONSTRUCTION. SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. BLACK PLASTIC WILL NOT BE ACCEPTED BY THE DEPARTMENT.
9. SIGNS 48" X 48" OR LARGER SHALL REQUIRE TWO POSTS IF TYPE E-2 STEEL POSTS ARE UTILIZED BY THE CONTRACTOR; OR ONE TYPE D-3 WOOD SIGN POST INSTALLED PER STANDARD DRAWING 616-7 AND 618-10.
10. THE CONTRACTOR SHALL MOUNT ALL POST MOUNTED SIGNS A MINIMUM OF 7 FT ABOVE THE LEVEL OF THE ROADWAY MEASURED FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE PAVEMENT SURFACE. THE HEIGHT TO THE BOTTOM OF A SECONDARY SIGN MOUNTED BELOW ANOTHER SIGN SHALL BE 6 FT.
11. THE CONTRACTOR SHALL MOUNT ALL SIGNS MOUNTED ON TEMPORARY SIGN STANDS A MINIMUM OF 5 FT ABOVE THE LEVEL OF THE ROADWAY MEASURED FROM THE BOTTOM OF THE SIGN TO THE TOP OF THE PAVEMENT SURFACE. TEMPORARY SIGN STANDS SHALL BE PERMITTED ONLY WHERE SIGNS ARE PLACED AT THE SAME LOCATION LESS THAN THREE (3) DAYS.
12. CONTRACTOR SHALL EQUIP FLAGGERS WITH TWO WAY RADIOS CAPABLE OF TRANSMITTING A DISTANCE OF 2 MILES AND BATTERIES TO LAST THROUGH EACH DAY OF OPERATION.
13. THE CONTRACTOR SHALL HAVE A CERTIFIED WORK SITE TRAFFIC CONTROL SUPERVISOR ON SITE TO DIRECT THE INSTALLATION AND MODIFICATION OF THE TRAFFIC CONTROL.
14. TEMPORARY SPEED LIMITS SHALL NOT EXCEED NORMALLY POSTED SPEED LIMITS.
15. THE CONTRACTOR SHALL COORDINATE WORK WITH THE AUTHORITIES HAVING JURISDICTION OVER THE LOCAL ROADS IMPACTED BY THIS PROJECT, INCLUDING OBTAINING ANY REQUIRED PERMITS.
16. ALL EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SHALL BE COVERED UP OR REMOVED. IF THE CONTRACTOR REMOVES THE SIGNS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESET THE SIGNS AND/OR REPLACE ANY SIGNS THAT ARE DAMAGED AT CONTRACTOR'S OWN EXPENSE OR AS DIRECTED BY THE ENGINEER.

SUMMARY OF TRAFFIC CONTROL SIGNS

SIGN	CLASS	DESCRIPTION	SIZE	QUAN.	SF	SQUARE FEET
M4-9R	B	DETOUR	30"x24"	4	5	20
M4-9L	B	DETOUR	30"x24"	4	5	20
M6-3	B	DIRECTIONAL ARROW STRAIGHT	21"x15"	5	2.2	11
M4-8	B	DETOUR	24"x12"	5	2	10
R11-2	B	ROAD CLOSED	48"x30"	2	12.5	25
R11-4	B	ROAD CLOSED TO THRU TRAFFIC	60"x30"	4	12.5	50
W20-1	B	ROAD WORK AHEAD	48"x48"	4	16	64
W20-3	B	ROAD CLOSED AHEAD	48"x48"	5	16	80
M4-8A	B	END DETOUR	30"x24"	2	5	10
SUBTOTAL						290
SUBTOTAL +20%						348
DRUMS						-
BARRICADE TYPE III						6
TUBULAR MARKERS						-

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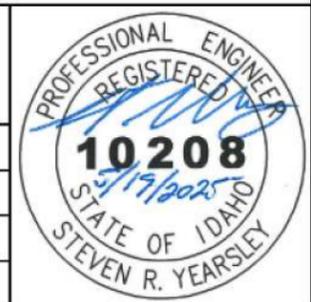
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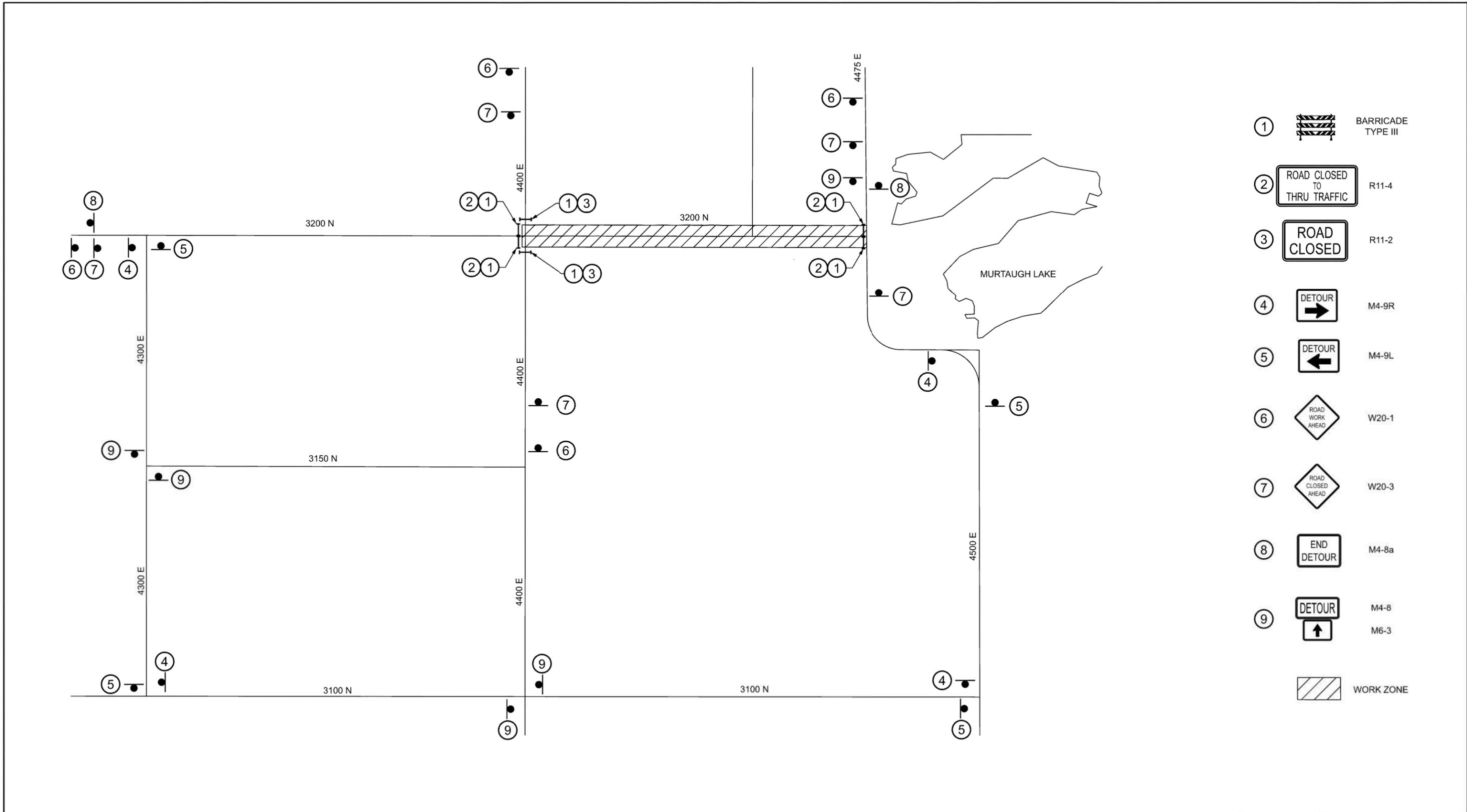
PROJECT NO.
A023(886)

TEMPORARY TRAFFIC CONTROL PLAN
3200 N SAFETY IMPROVEMENTS MURTAUGH HIGHWAY DISTRICT TEMPORARY TRAFFIC CONTROL

ENGLISH
COUNTY TWIN FALLS
KEY NUMBER 23886
SHEET 25 OF 26

ORIGINAL STORED AT: ITD, District 4
216 Date Street,
Shoshone, ID





- ①  BARRICADE TYPE III
- ②  ROAD CLOSED TO THRU TRAFFIC R11-4
- ③  ROAD CLOSED R11-2
- ④  DETOUR M4-9R
- ⑤  DETOUR M4-9L
- ⑥  ROAD WORK AHEAD W20-1
- ⑦  ROAD CLOSED AHEAD W20-3
- ⑧  END DETOUR M4-8a
- ⑨  DETOUR M4-8
M6-3
-  WORK ZONE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	AS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23886_TTC_002.dgn DRAWING DATE: MAY 2025
DESIGN CHECKED	SY	
DETAILED	AS	
DRAWING CHECKED	SY	

IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

FORSGREN Associates Inc.

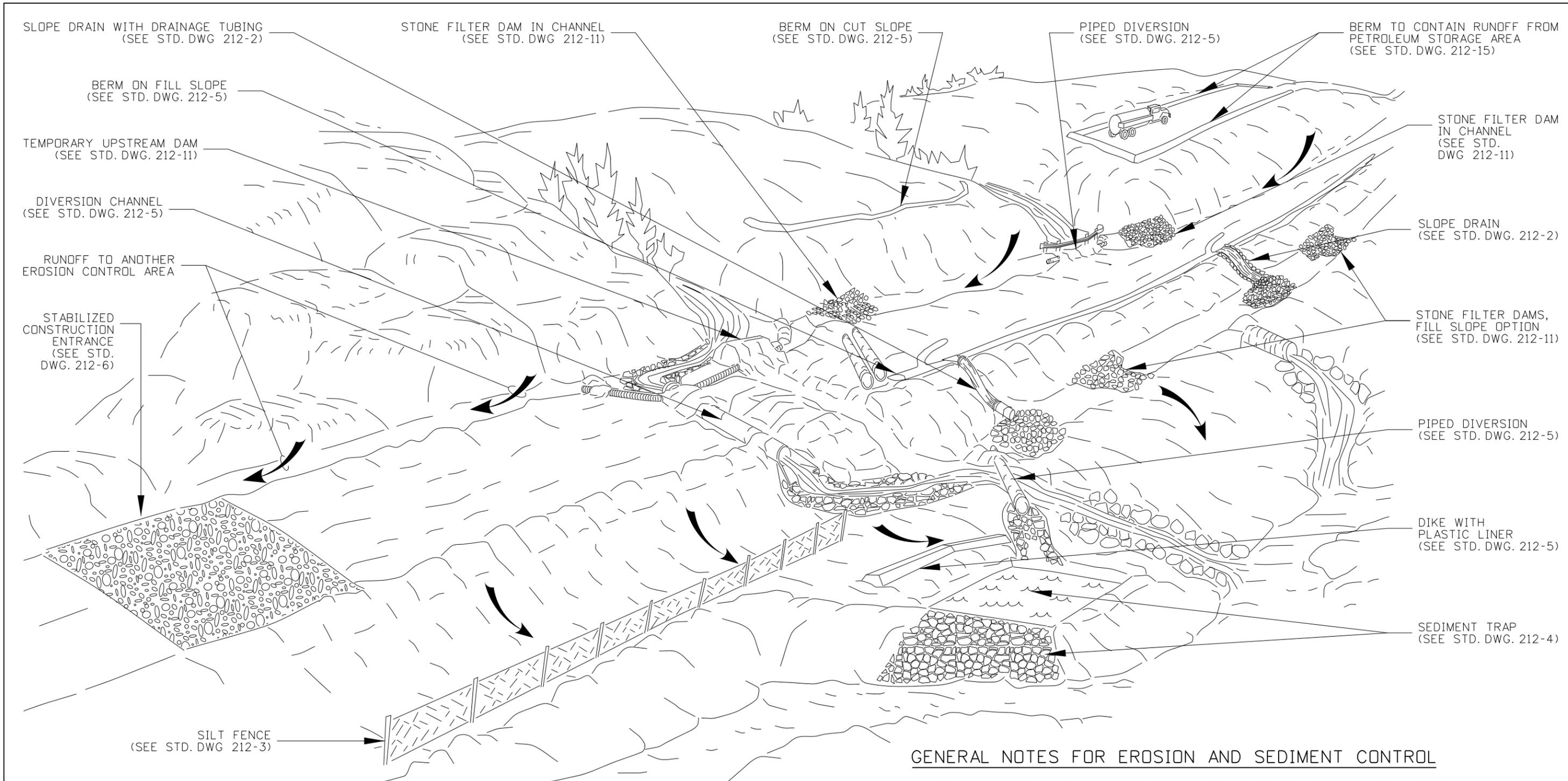
PROJECT NO.
A023(886)

TEMPORARY TRAFFIC CONTROL PLAN
**3200 N SAFETY IMPROVEMENTS
 MURTAUGH HIGHWAY DISTRICT
 TEMPORARY TRAFFIC CONTROL**

ENGLISH
 COUNTY TWIN FALLS
 KEY NUMBER 23886
 SHEET 26 OF 26

ORIGINAL STORED AT: ITD, District 4
 216 Date Street, Shoshone, ID

PROFESSIONAL ENGINEER
 REGISTERED
10208
 5/17/2025
 STATE OF IDAHO
 STEVEN R. YEARSLEY



GENERAL NOTES FOR EROSION AND SEDIMENT CONTROL

1. USE THE EROSION AND SEDIMENT CONTROL STANDARD DRAWINGS IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES MANUAL.
2. THE PLACEMENT OF EROSION CONTROL MEASURES IS SITE SPECIFIC. OBTAIN THE ENGINEER'S APPROVAL OF THE EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO INSTALLATION.
3. EROSION AND SEDIMENT CONTROL MEASURES PLACEMENT AND INSTALLATION MAY BE CONTROLLED BY THE NPDES, 404 PERMIT OR CONTRACT SPECIFICATIONS.
4. DRAWING NOT TO SCALE

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	9-93	MSM	6	12-16	RDL			
2	6-96	MSM	7	02-21	TWF			
3	10-10	KEH						
4	10-11	KEH						
5	12-12	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-01_0421.dgn
 DRAWING DATE: APRIL, 1993

IDAHO TRANSPORTATION DEPARTMENT

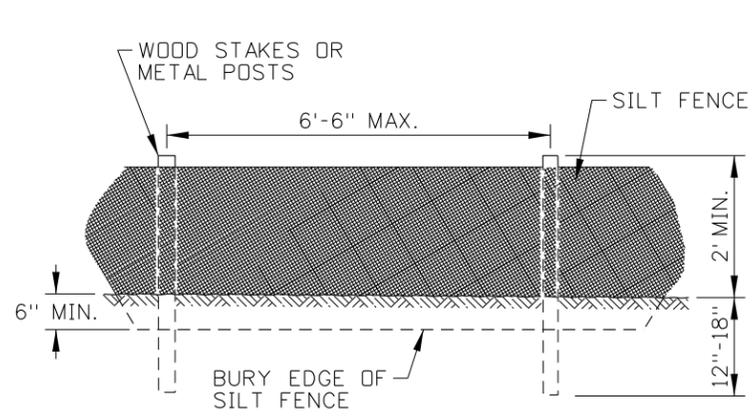


BOISE IDAHO

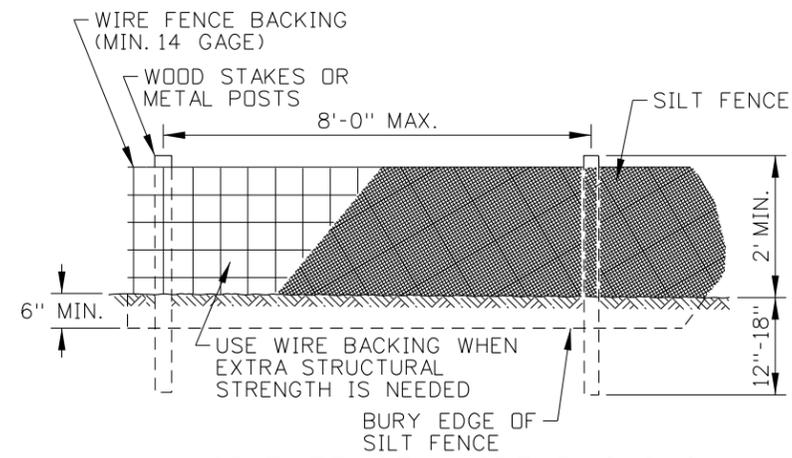
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
EROSION AND SEDIMENT CONTROL
 EXAMPLE APPLICATIONS

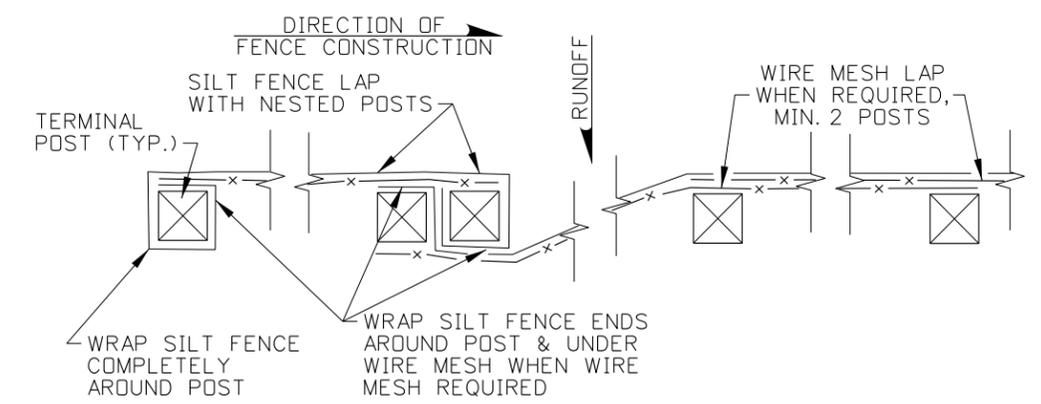
English
 STANDARD DRAWING NO.
212-1
 SHEET 1 OF 1



SILT FENCE (NO WIRE BACKING)



SILT FENCE (WIRE BACKING)



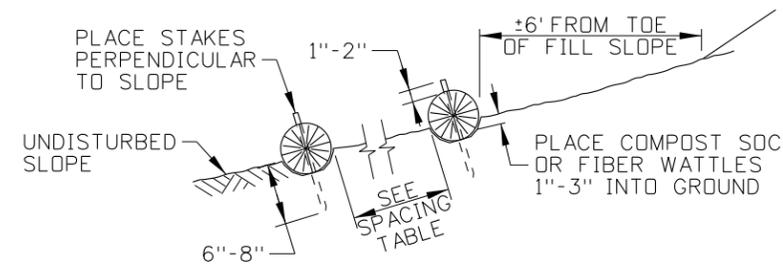
SILT FENCE LAP DETAIL

SLOPE	WATTLE SIZE			
	6"	9"	12"	20"
1:1	5 FT	10 FT	15 FT	20 FT
2:1	10 FT	20 FT	30 FT	40 FT
3:1	15 FT	30 FT	45 FT	60 FT
4:1 OR FLATTER	20 FT	40 FT	60 FT	80 FT

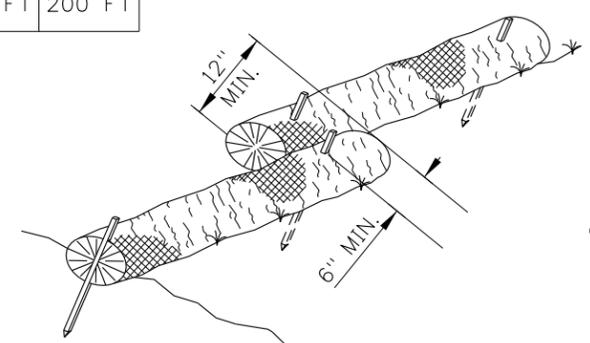
SLOPE	SOIL TYPE		
	SILTY	CLAYS	SANDY
1:1	50 FT	75 FT	100 FT
2:1	75 FT	100 FT	125 FT
4:1	100 FT	125 FT	150 FT
10:1 OR FLATTER	125 FT	150 FT	200 FT

NOTES

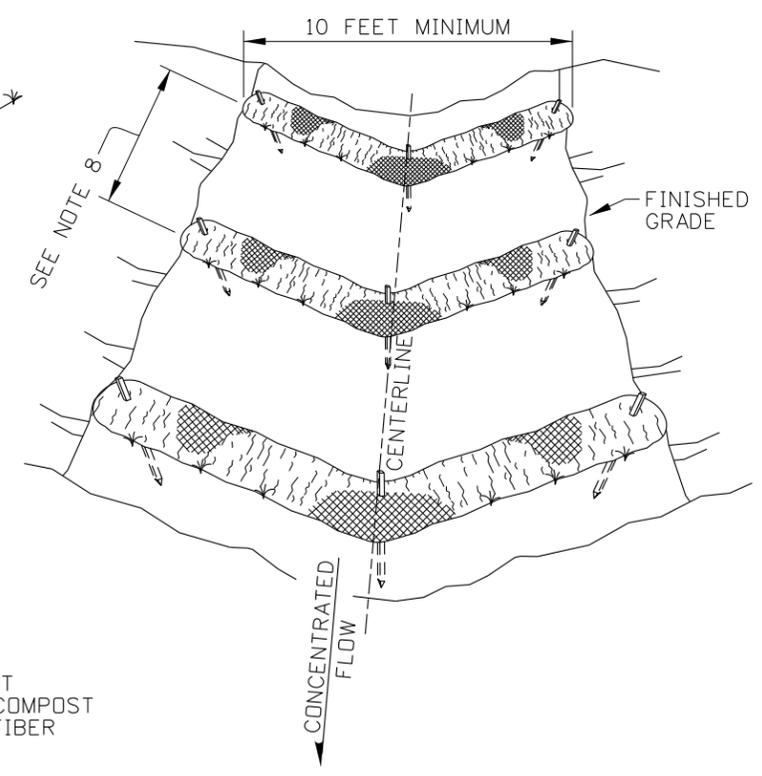
- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- THE NEED FOR TEMPORARY SEDIMENT CONTROL DEVICES ARE DETERMINED BY SITE DESIGN. SPACE SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES IN ACCORDANCE WITH THE SILT FENCE SPACING TABLE AND FIBER WATTLE & COMPOST SOCK SPACING TABLE.
- INSTALL TEMPORARY SEDIMENT CONTROL BARRIERS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND SPECIFICATIONS. THE DIMENSIONS SHOWN ARE GENERAL GUIDELINES.
- PLACE SEDIMENT BARRIERS TO FOLLOW THE SLOPE CONTOURS. USE EITHER METAL POSTS OR WOOD STAKES.
- ENSURE RUNOFF PASSES THROUGH THE SILT FENCE AND NOT AROUND THE FENCE.
- GROUND SILT FENCES WITH WIRE MESH IN ACCORDANCE WITH THE GROUNDING DETAIL SHOWN ON STANDARD DRAWING 610-1.
- EXTEND OR JOIN SILT FENCE USING SILT FENCE LAP WITH NESTED POSTS.
- SPACE CHECK DAMS ACCORDING TO THE HEIGHT OF THE DAM AND THE SLOPE OF THE CHANNEL SO THE BACKWATER FROM THE DOWNSTREAM DAM REACHES THE TOE OF THE UPSTREAM DAM.
- ON SLOPES, TURN THE ENDS OF EACH ROW OF COMPOST SOCKS AND FIBER WATTLES UPSLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE SOCK OR WATTLE.
- REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE BARRIER.
- DRAWING NOT TO SCALE.



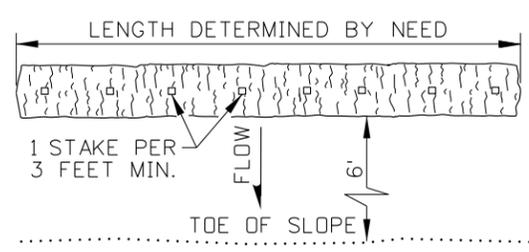
COMPOST SOCK AND FIBER WATTLE SIDE VIEW



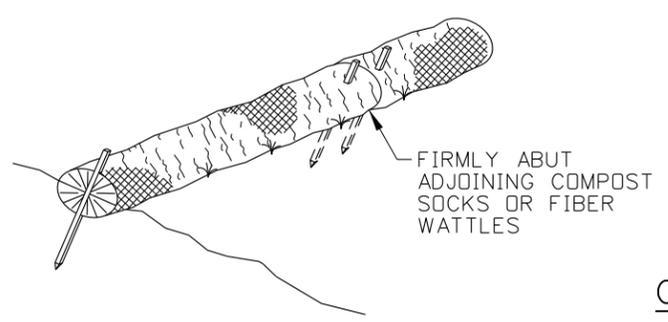
COMPOST SOCK AND FIBER WATTLE OVERLAPPING DETAIL



COMPOST SOCK AND FIBER WATTLE TEMPORARY CHECK DAM DETAIL



COMPOST SOCK AND FIBER WATTLE PLAN VIEW



COMPOST SOCK AND FIBER WATTLE ABUTTING DETAIL

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	01-13	RDL			
2	12-94	MSM	7	03-21	TWF			
3	06-96	GFK						
4	10-10	KEH						
5	10-11	KEH						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-03_0421.dgn
 DRAWING DATE: APRIL, 1993

IDAHO TRANSPORTATION DEPARTMENT

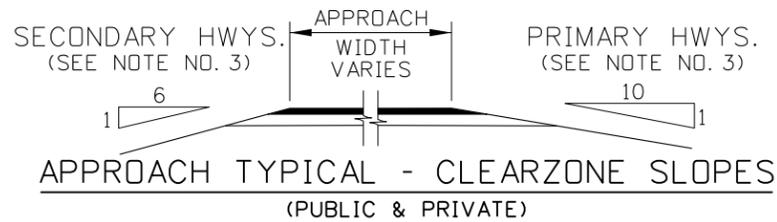
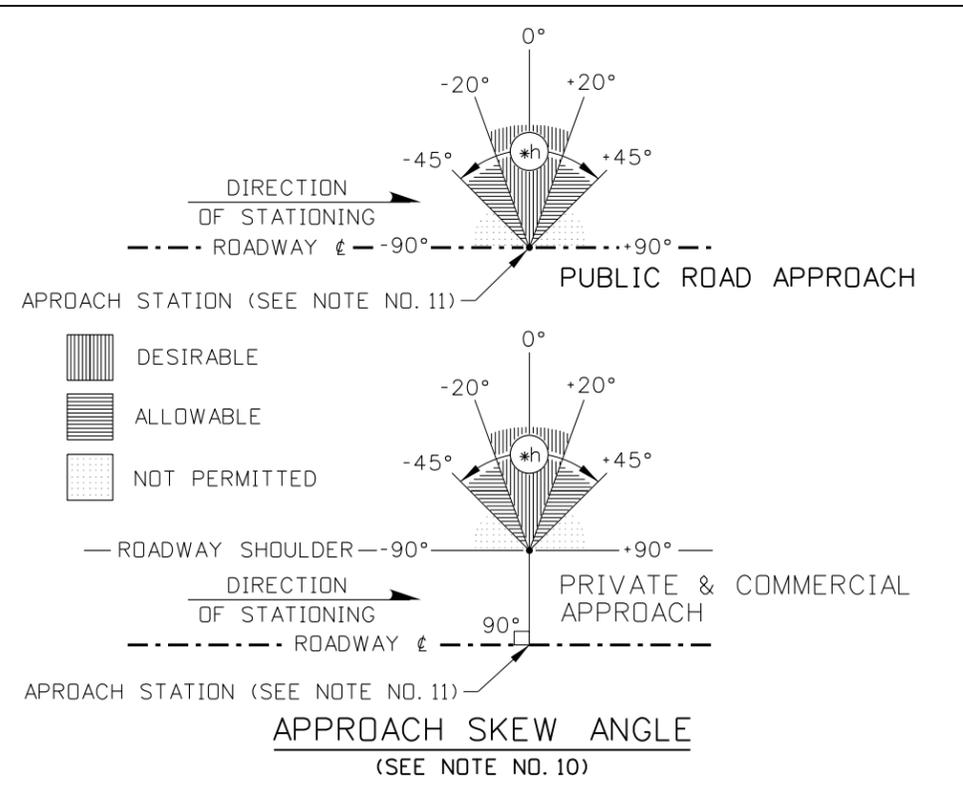
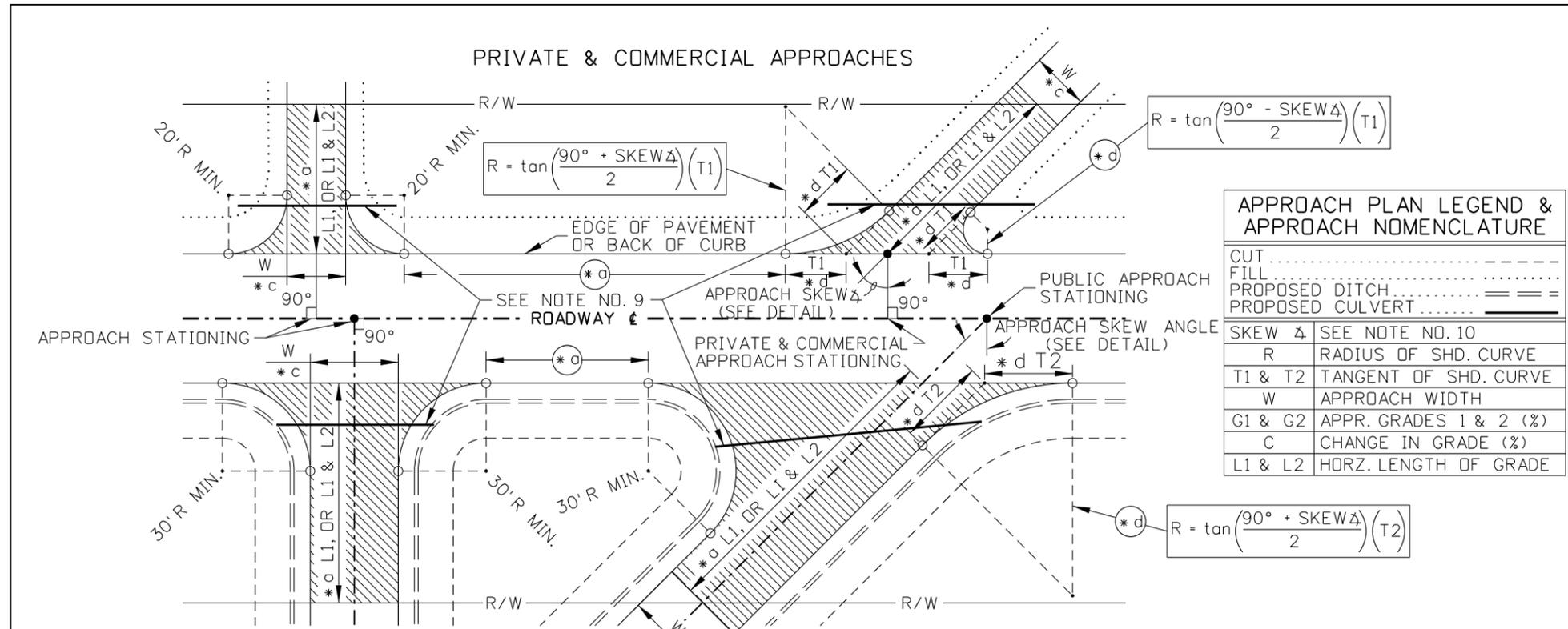
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
 SILT FENCE, FIBER WATTLE, AND COMPOST SOCK
 REQUIRES STD. DWG. 212-1

English
 STANDARD DRAWING NO.
212-3
 SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



NOTES

- RURAL PRIVATE, COMMERCIAL, AND PUBLIC APPROACHES SHALL BE PAVED TO THE RIGHT-OF-WAY LINE OR TO THE BACK OF THE SHOULDER CURVE (APPROACH RADIUS). FARMYARD AND FIELD APPROACHES THAT ARE OCCASIONALLY USED MAY BE PAVED A MINIMUM OF 5' FROM THE SHOULDER LINE. APPROACHES ON EXISTING UNPAVED HIGHWAYS ARE EXEMPT.
- REFER TO THE ITD ADMINISTRATIVE POLICY 5005 FOR ADDITIONAL INFORMATION ON LOCATION OF APPROACHES.
- WITHIN THE CLEARZONE THE SIDE SLOPES OF APPROACHES SHALL BE A MINIMUM OF 6:1 OF SECONDARY HIGHWAYS AND A MINIMUM OF 10:1 ON PRIMARY HIGHWAYS.
- WHEN THE "MAXIMUM CHANGE IN GRADE" (APPROACH GRADE TABLE) "C" IS EXCEEDED, A MINIMUM 10' VERTICAL CURVE SHALL BE USED IN THE APPROACH PROFILE.
- THE % GRADE OF "G2" SHALL BE A MAXIMUM OF 7% FOR FLAT TERRAIN, 11% FOR ROLLING TERRAIN, OR 15% FOR MOUNTAINOUS.
- APPROACH GRADES EXCEEDING 10% ARE NOT RECOMMENDED BECAUSE EMERGENCY VEHICLES MAY BE IMPEDED.
- THE BALLAST REQUIREMENTS OF RURAL APPROACHES SHALL BE AS SHOWN ON THE PLANS.
- WHEN A MAILBOX TURNOUT IS INSTALLED WITH A RURAL APPROACH, STD. DWG. 405-2 IS REQUIRED.
- ALL RURAL PRIVATE AND COMMERCIAL APPROACHES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT THE APPROACH DRAINAGE IS INDEPENDENT AND DOES NOT CONTRIBUTE TO EXISTING HIGHWAY DRAINAGE. ALL RURAL PUBLIC APPROACHES SHALL BE DESIGNED AND CONSTRUCTED TO ADDRESS BOTH THE MAIN HIGHWAY AND APPROACH DRAINAGE.
- THE APPROACH SKEW ANGLE IS THE DEFLECTION ANGLE BETWEEN A LINE PERPENDICULAR TO THE HIGHWAY CENTERLINE AND THE APPROACH CENTERLINE.
- RURAL PRIVATE AND COMMERCIAL APPROACHES ARE REFERENCED LEFT OR RIGHT OF THE HIGHWAY CENTERLINE STATION TO THE CENTER OF THE APPROACH OPENING WHICH IS AT THE EDGE OF PAVEMENT OR BACK OF CURB. A PUBLIC APPROACH STATION OCCURS WHERE THE PUBLIC APPROACH CENTERLINE INTERSECTS THE HIGHWAY CENTERLINE.
- NOT TO SCALE.

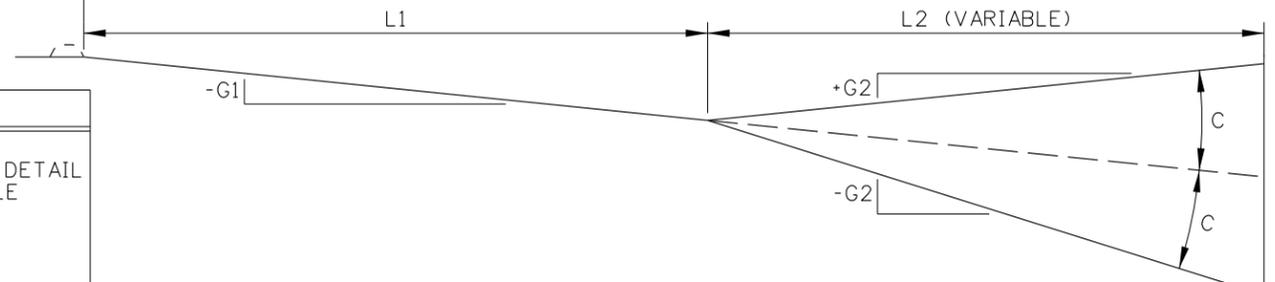
APPROACH GRADE TABLE

TRAFFIC TYPE	GRADE PARAMETER		MAX. CHANGE IN GRADE C	MINIMUM LENGTH L1
	G1 (RANGE)	G2 (MAX.)		
HIGH VOLUME (COMMERCIAL, INDUSTRIAL)	-2% TO -3%	±5%	±3% (*e)	40'
LOW VOLUME (COMMERCIAL, INDUSTRIAL)	-2% TO -5%	±8%	±6%	40'
SINGLE RESIDENTIAL, FARMYARD, FIELD	-2% TO -8%	±15% *g	VEHICLE CLEARANCE	10'
MULTIPLE RESIDENTIAL	-2% TO -8%	±15% *g	±6%	20'
PUBLIC ROAD	-2%	*f	±2%	20'

STANDARD APPROACH WIDTH TABLE

APPR. TYPE	POSTED SPEED (mph)		MIN./MAX. WIDTH	
	≤35	>35	MIN.	MAX.
MULTIPLE RESIDENTIAL	28'	40'	28'	40'
SINGLE RESIDENTIAL, FARMYARD, FIELD	12'	40'	20'	40'
COMMERCIAL (ONE-WAY)	15'	30'	20'	30'
COMMERCIAL (TWO-WAY)	25'	40'	25'	40'
PUBLIC ROAD	28'	N/A	28'	N/A

EDGE OF PAVEMENT AND/OR BACK OF CURB WHEN USED



- SUB-NOTES**
- * a (SEE NOTE NO. 2)
 - * b SEE NOTE NO. 1 & APPROACH PROFILE DETAIL
 - * c SEE STANDARD APPROACH WIDTH TABLE
 - * d T1 = 20' MINIMUM, T2 = 30' MINIMUM
 - * e (SEE NOTE NO. 4)
 - * f (SEE NOTE NO. 5)
 - * g (SEE NOTE NO. 6)
 - * h THE APPROACH Δ IS TO FALL WITHIN THE ALLOWABLE OR DESIRABLE LIMITS. THE DESIRABLE LIMIT IS CONSIDERED THE "SAFEST OPTION."

REVISIONS

NO.	DATE	BY	NO.	DATE	BY
1	01-00	MSM	6	12-05	MSM
2	01-02	MSM	7	06-07	MSM
3	07-02	MSM			
4	10-02	MSM			
5	08-04	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 405-1_0607.dgn

DRAWING DATE: SEPTEMBER, 1993

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: STEVEN HUTCHINSON
CHIEF ENGINEER

STANDARD DRAWING

RURAL APPROACHES

English

STANDARD DRAWING NO. 405-1

SHEET 1 OF 1

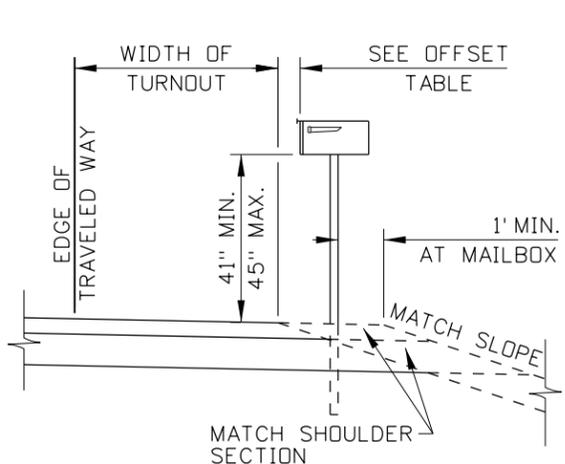
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

PROFESSIONAL ENGINEER * LAND SURVEYOR

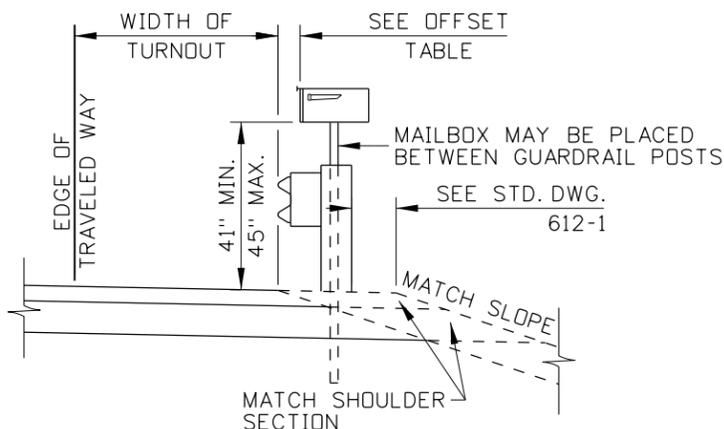
MILFORD MILLER

2240

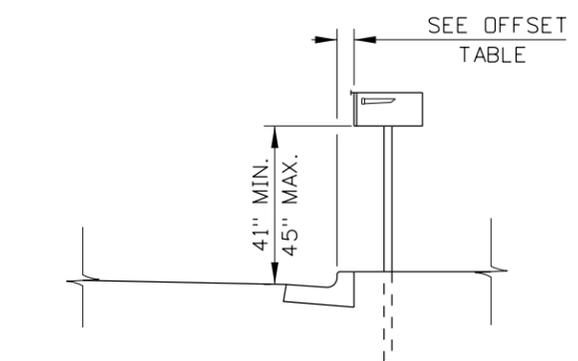
JUN 19, 2007



INSTALLATION AT MAILBOX TURNOUT



INSTALLATION BEHIND GUARDRAIL



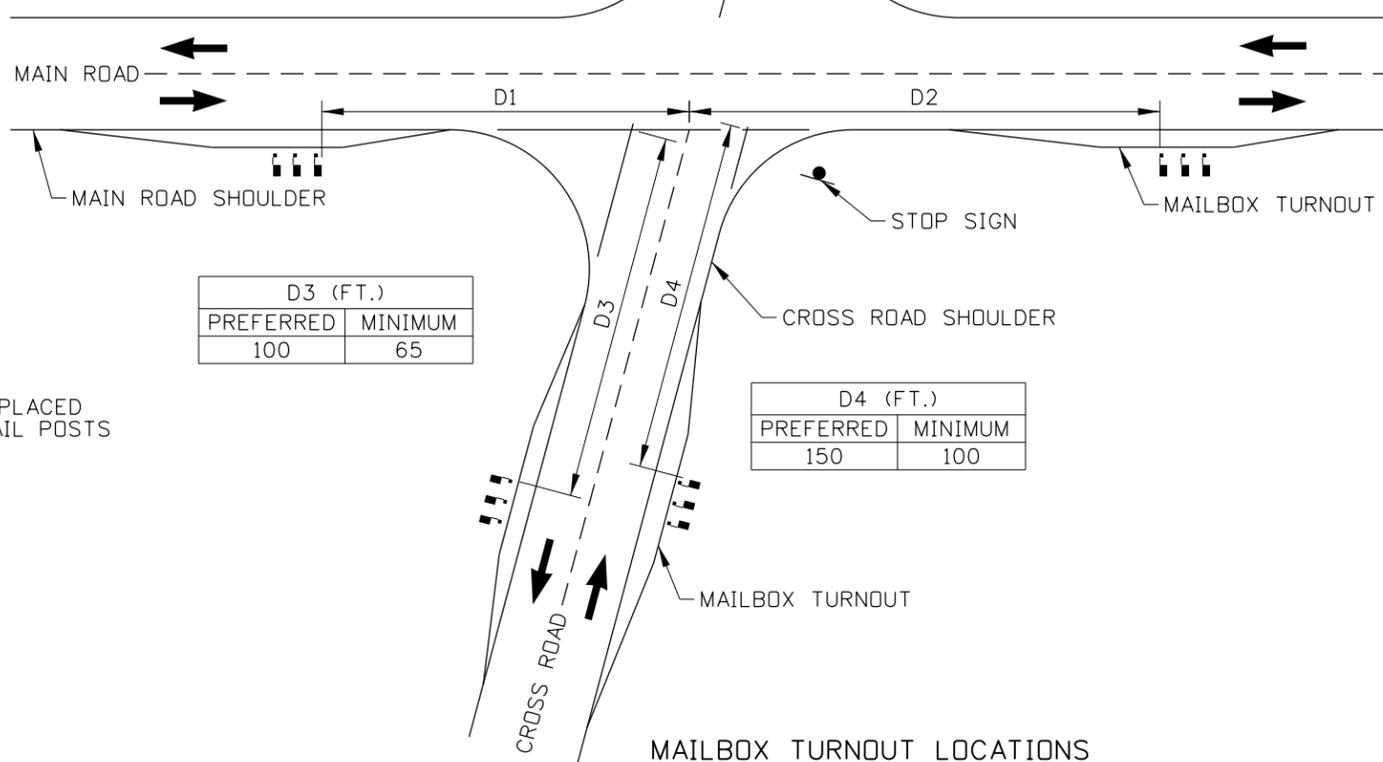
INSTALLATION ON CURBED RESIDENTIAL STREET

TYPICAL MAILBOX INSTALLATIONS

THROUGH ROAD SPEED (MPH)	* D1 (FT.)	
	$nV_c V_m \leq 4000$	$nV_c V_m > 4000$
35	65	200
>55	65	295

THROUGH ROAD SPEED (MPH)	* D2 (FT.)		
	$V_c \leq 50$	$50 < V_c \leq 400$	$V_c > 400$
35	65	100	100
>55	150	150	200

* n = NUMBER OF MAILBOXES AT MAIL STOP
 V_c = ADT ON CROSS ROAD
 V_m = ADT ON MAIN ROAD



MAILBOX TURNOUT LOCATIONS

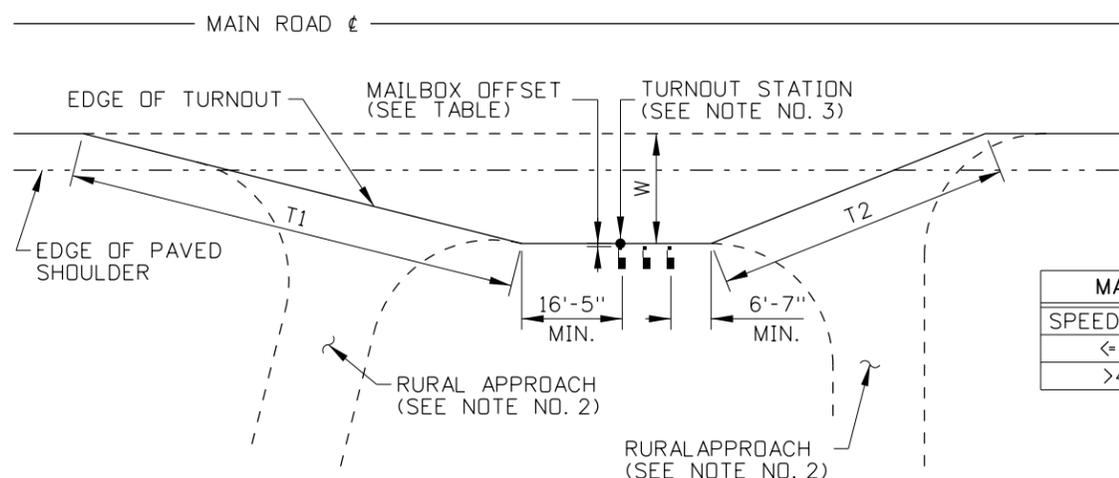
D3 (FT.)	
PREFERRED	MINIMUM
100	65

D4 (FT.)	
PREFERRED	MINIMUM
150	100

ADT	TURNOUT WIDTH (FT.)		MAILBOX OFFSET (IN.)	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
>10,000	>12	8	6 TO 8	0
1,500 TO 10,000	12	8		
400 TO 1,500	10	8		
<400	8	6		
RESIDENTIAL STREET (NO CURB)	6	0		6
RESIDENTIAL STREET (WITH CURB)	NOT APPLICABLE		8 TO 12	6

NOTES

1. LOCATE MAILBOX TURNOUT SO THAT THE TAPERS DO NOT OVERLAP THE INTERSECTION CURVE RADII.
2. CONSTRUCT MAILBOX ASSEMBLIES IN ACCORDANCE WITH STANDARD DRAWING 634-1. CONSTRUCT RURAL APPROACHES IN ACCORDANCE WITH STANDARD DRAWING 405-1.
3. MEASURE MAILBOX TURNOUT STATION AND OFFSET AT THE EDGE OF THE TURNOUT PERPENDICULAR TO THE FIRST MAILBOX.
4. NOT TO SCALE.



MAILBOX TURNOUT

MAILBOX TAPER		
SPEED (MPH)	T1	T2
<=40	4:1	2.5:1
>40	20:1	12:1

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	11-02	MSM						
2	06-05	MSM						
3	01-13	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 405-2_0213.dgn
 DRAWING DATE: SEPTEMBER, 1993

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER
 ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING

MAILBOX TURNOUT

REQUIRES STD. DWG. 405-1

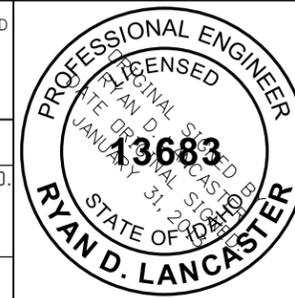
English

STANDARD DRAWING NO.

405-2

SHEET 1 OF 1

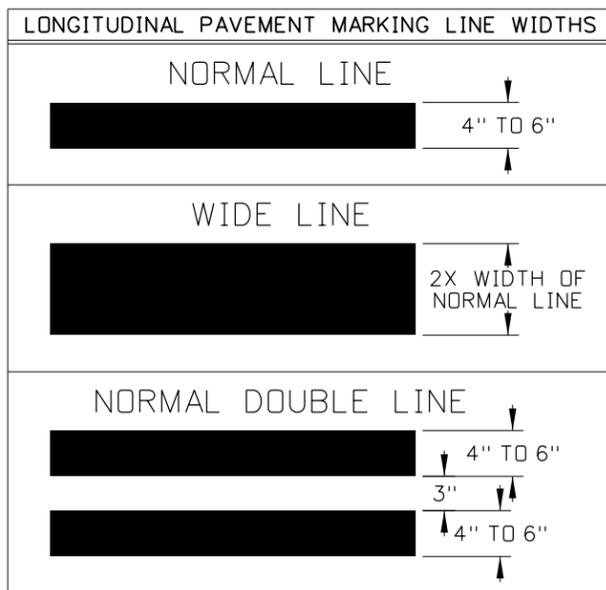
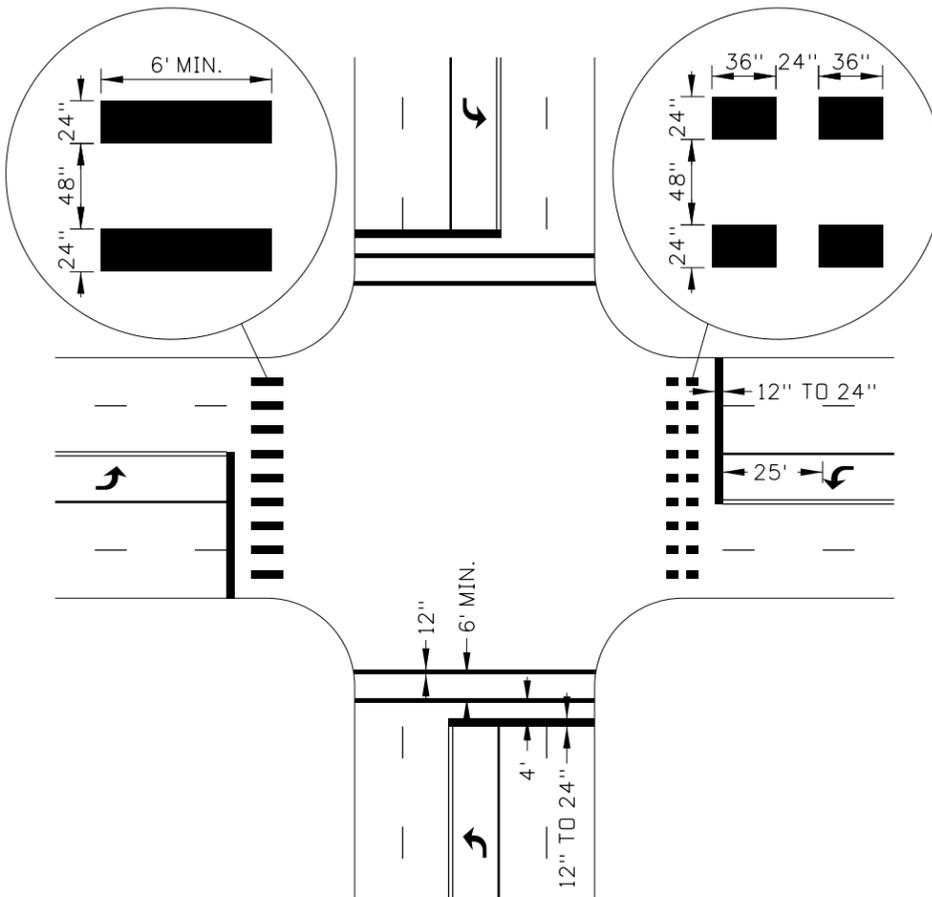
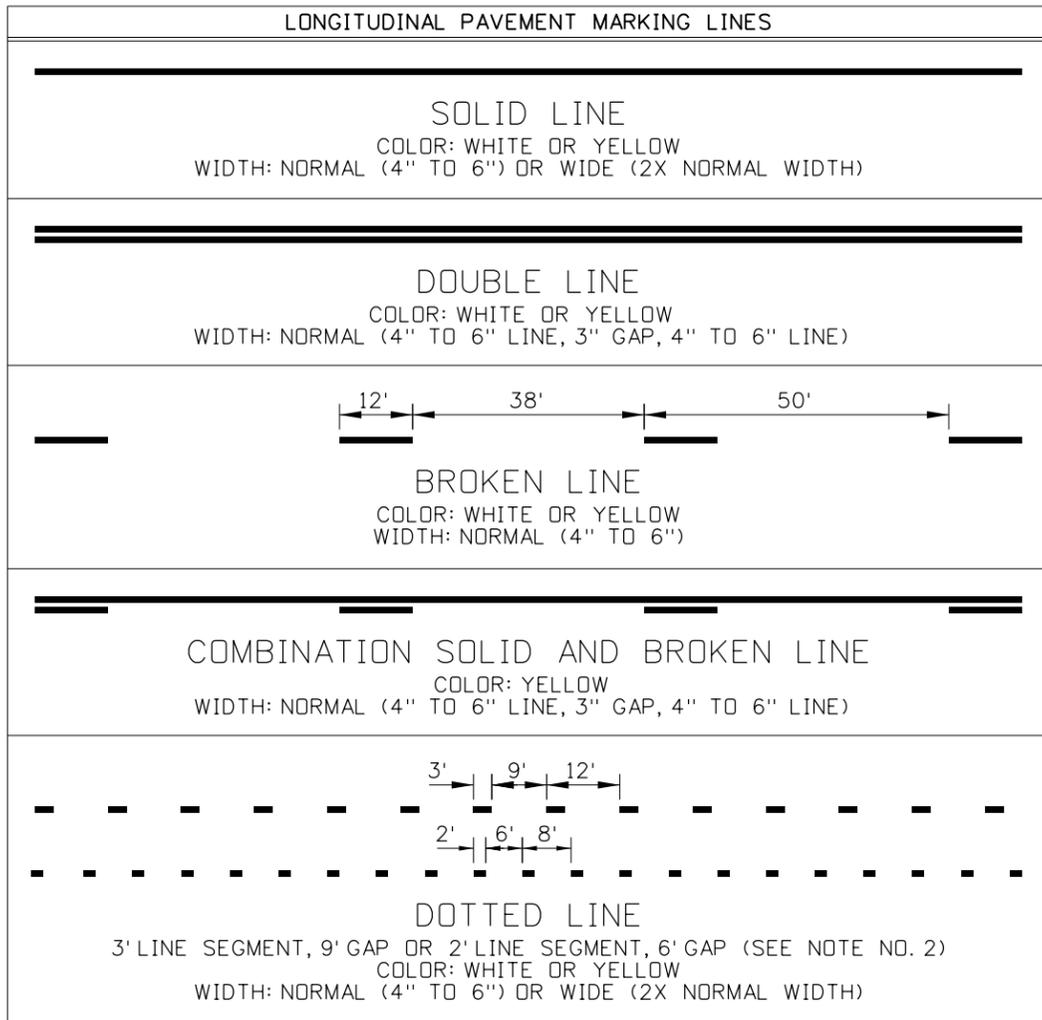
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



NOTES

- USE WHITE AND YELLOW PAVEMENT MARKINGS AS FOLLOWS:
 WHITE:
 A. THE SEPARATION OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
 B. THE RIGHT-HAND EDGE OF THE HIGHWAY.
 YELLOW:
 A. THE SEPARATION OF TRAFFIC TRAVELING IN OPPOSITE DIRECTIONS.
 B. THE LEFT-HAND EDGE DIVIDED HIGHWAYS, ONE-WAY STREETS, OR RAMP.
 C. TWO-WAY LEFT-TURN LANES.
- USE LONGITUDINAL PAVEMENT MARKINGS AS FOLLOWS:
 A. USE SOLID LINES TO INDICATE THE LEFT OR RIGHT EDGE OF TRAVEL WAY OR TO DISCOURAGE LANE CHANGING.
 B. USE DOUBLE LINES TO PROHIBIT PASSING OR LANE CHANGING.
 C. USE BROKEN LINES TO INDICATE PASSING OR LANE CHANGING ARE PERMITTED. USE THE 12' LINE SEGMENT, 38' GAP PATTERN FOR ALL SPEEDS.
 D. USE COMBINATION SOLID AND BROKEN LINES TO PROHIBIT PASSING IN ONE DIRECTION WHILE PERMITTING PASSING IN THE OPPOSITE DIRECTION OR TO INDICATE A TWO-WAY LEFT-TURN LANE.
 E. USE DOTTED LINES AS FOLLOWS:
 3' LINE SEGMENT, 9' GAP:
 I. TO SEPARATE A THROUGH LANE AND A LANE THAT BECOMES A MANDATORY EXIT OR TURN LANE (DROPPED LANE).
 II. TO SEPARATE THROUGH LANES AND TURN LANES OR RAMP.
 III. TO SEPARATE A THROUGH LANE AND AN AUXILIARY LANE 2 MILES OR LESS IN LENGTH BETWEEN FREEWAY ENTRANCE RAMP AND EXIT RAMP OR 1 MILE OR LESS IN LENGTH BETWEEN INTERSECTIONS.
 2' LINE SEGMENT, 6' GAP:
 I. AS A LANE LINE EXTENSION THROUGH AN INTERSECTION.
- USE 12' VEHICULAR TRAVEL LANES UNLESS OTHERWISE INDICATED. MEASURE LANE WIDTHS FROM THE CENTER OF LINE TO THE CENTER OF LINE.
- THE PAVEMENT MARKING APPLICATION EXAMPLES PRESENTED SHOW COMMON APPLICATION. MODIFY AS NEEDED TO ACCOMMODATE OTHER SITUATIONS.
- METHODS FOR DETERMINING TURN-LANE LENGTH ARE DESCRIBED IN THE ITD TRAFFIC MANUAL.
- USE 15W FOR POSTED SPEED LIMITS OF 45 MPH OR GREATER. USE 8W FOR POSTED SPEED LIMITS OF 40 MPH OR LESS. W IS THE OFFSET WIDTH IN FEET.
- USE DISTANCE L WHEN PRACTICAL. USE THE FOLLOWING EQUATION TO DETERMINE L:

$$L = WS$$
 WHERE:
 W = OFFSET WIDTH IN FEET
 S = POSTED SPEED LIMIT
- USE LANE-USE ARROWS AND WORD PAVEMENT MARKINGS AS SHOWN. SOME MARKINGS ARE OPTIONAL.
 A. USE TWO OR MORE LANE-USE ARROWS UNLESS THE TURN-LANE LENGTH IS LESS THAN 75 FEET. IF SHORTER THAN 75 FEET, THE DOWNSTREAM ARROW CAN BE OMITTED.
 B. USE TWO-WAY LEFT-TURN ARROW MARKINGS NEAR THE BEGINNING OF A TWO-WAY LEFT-TURN LANE AND EVERY 1/2 MILE THEREAFTER.
- BREAK EDGE AND LANE LINES AT INTERSECTIONS WITH MINOR ROADS. CONTINUE EDGE AND LANE LINES THROUGH DRIVEWAY APPROACHES.
- ON TWO-LANE HIGHWAYS, PAINT THE CENTERLINE IN ONE DIRECTION IN ASCENDING STATION/MILEPOST DIRECTION AS SHOWN.
- DRAWINGS NOT TO SCALE.



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 630-1_0420.dgn

DRAWING DATE: DECEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

PAVEMENT MARKINGS

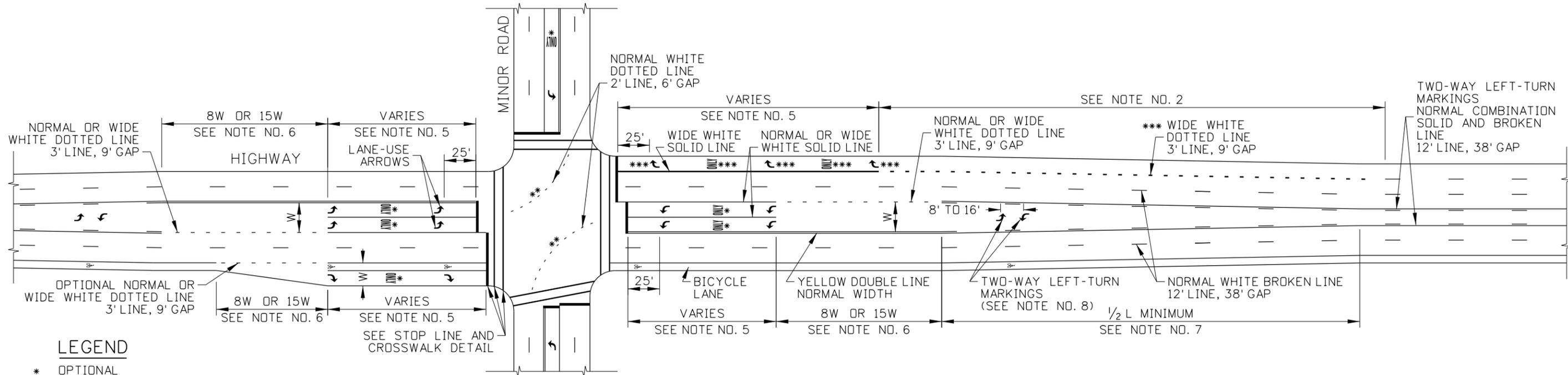
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

STANDARD DRAWING NO. 630-1

SHEET 1 OF 4

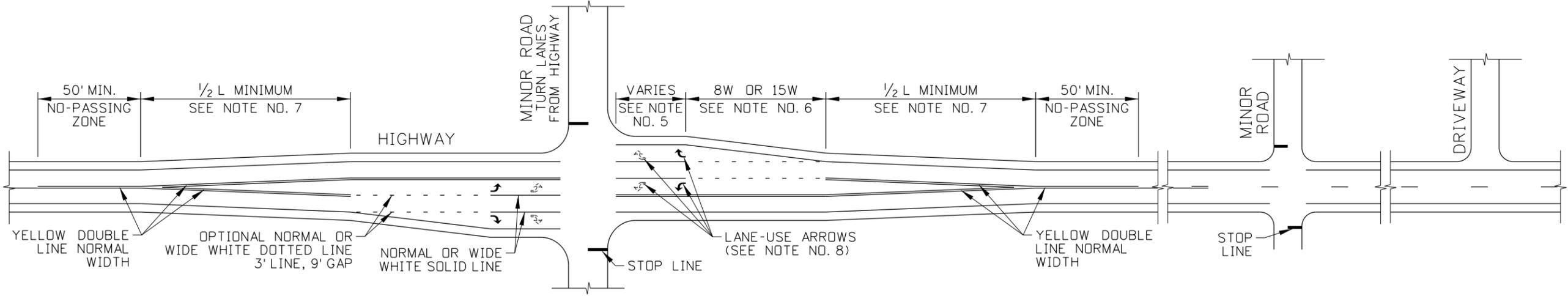
PROFESSIONAL ENGINEER
 RYAN D. LANCASTER
 LICENSE NO. 13683
 STATE OF IDAHO



EXAMPLE URBAN HIGHWAY PAVEMENT MARKINGS

LEGEND

- * OPTIONAL
- ** DOTTED LANE LINE EXTENSION (2' SEGMENT, 6' GAP)
- *** REQUIRED WHERE THROUGH LANE BECOMES MANDATORY TURN LANE



EXAMPLE RURAL HIGHWAY PAVEMENT MARKINGS

SEE NOTE NO. 9

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 630-1_0420.dgn
 DRAWING DATE: DECEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

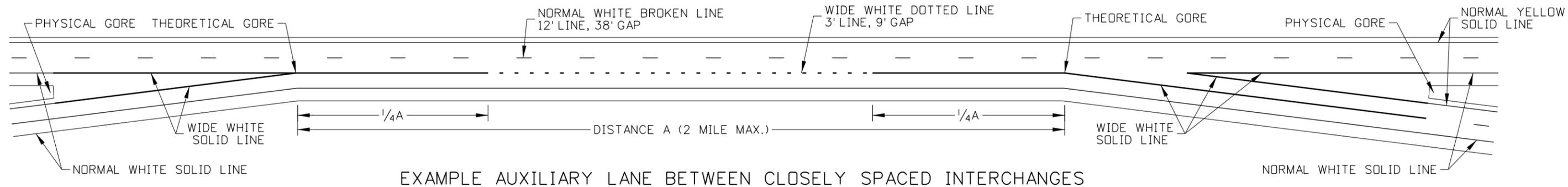
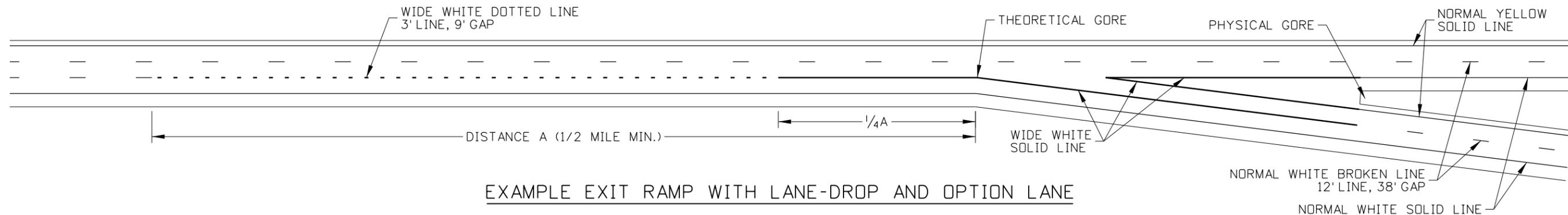
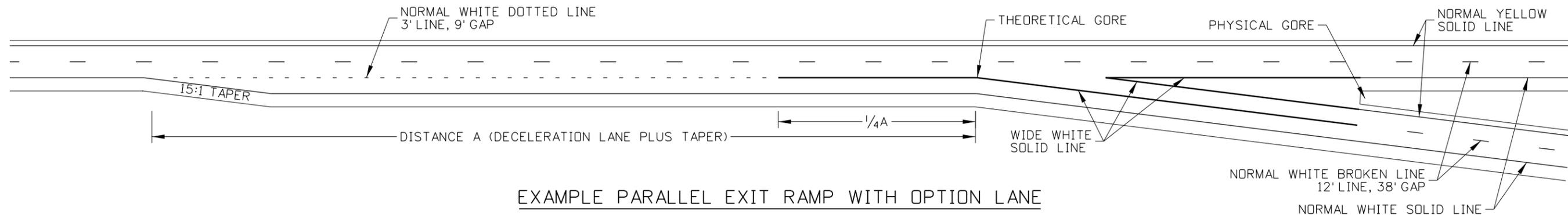
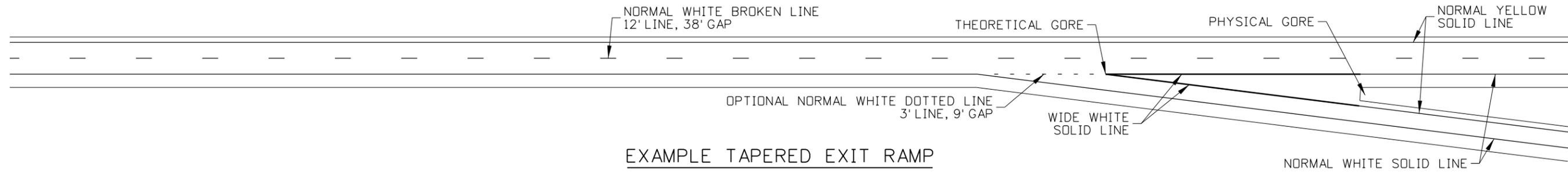
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
PAVEMENT MARKINGS

English
 STANDARD DRAWING NO.
630-1
 SHEET 2 OF 4

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PROFESSIONAL ENGINEER
 LICENSED
 13683
 MARCH 17, 2016
 STATE OF IDAHO
 RYAN D. LANCASTER



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
630-1_0420.dgn

DRAWING DATE:
DECEMBER, 2016

**IDAHO
TRANSPORTATION
DEPARTMENT**



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STANDARD DRAWING

PAVEMENT MARKINGS

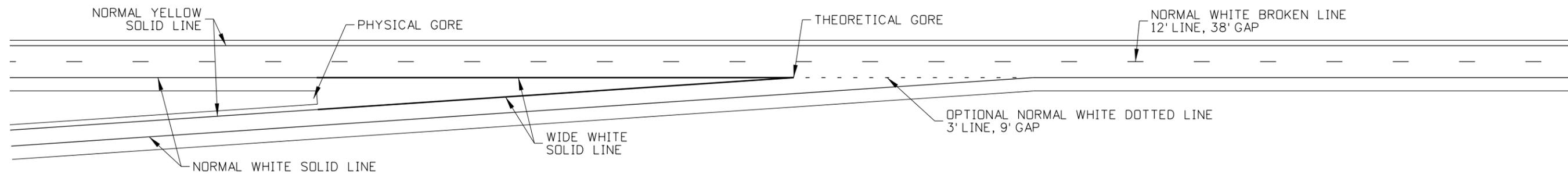
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Headquarters
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Boise, Idaho

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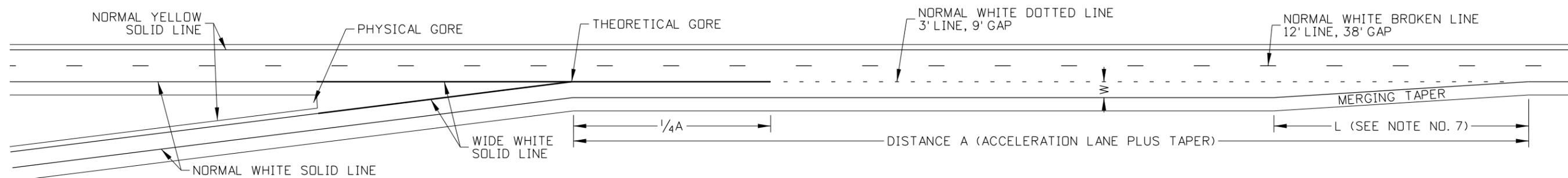
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SHEET 3 OF 4

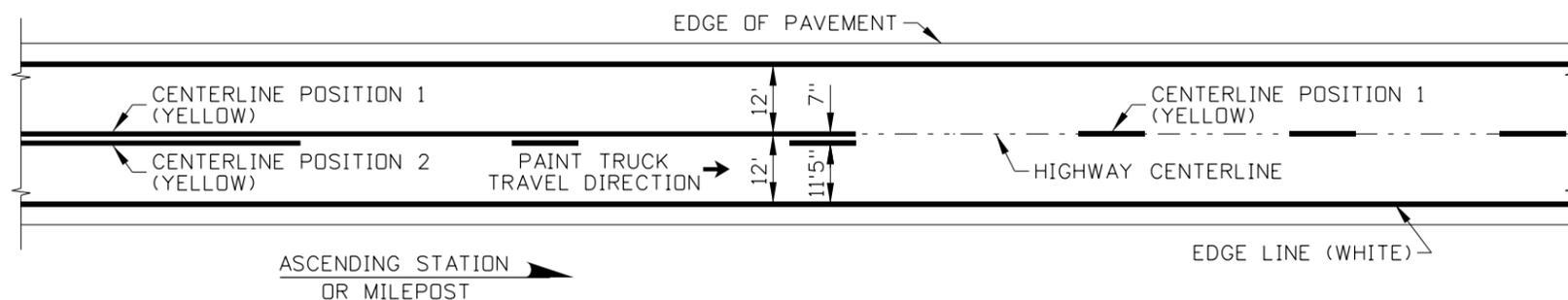
PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
13683
STATE OF IDAHO
MARCH 17, 2016



EXAMPLE TAPERED ENTRANCE RAMP

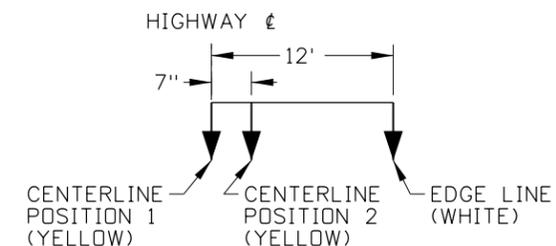


EXAMPLE PARALLEL ENTRANCE RAMP



PAVEMENT MARKINGS ON TWO-WAY HIGHWAYS

SEE NOTE NO. 10 AND PAINT TRUCK SETUP DETAIL



PAINT TRUCK SETUP DETAIL

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 630-1_0420.dgn
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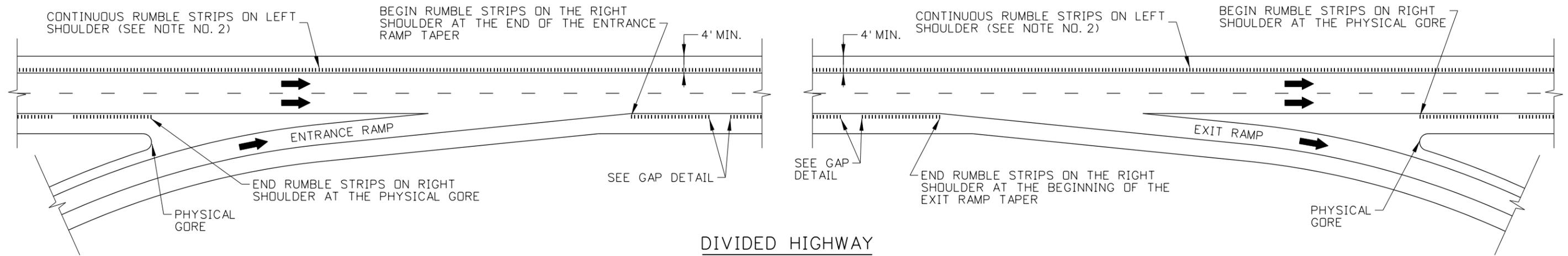
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PAVEMENT MARKINGS

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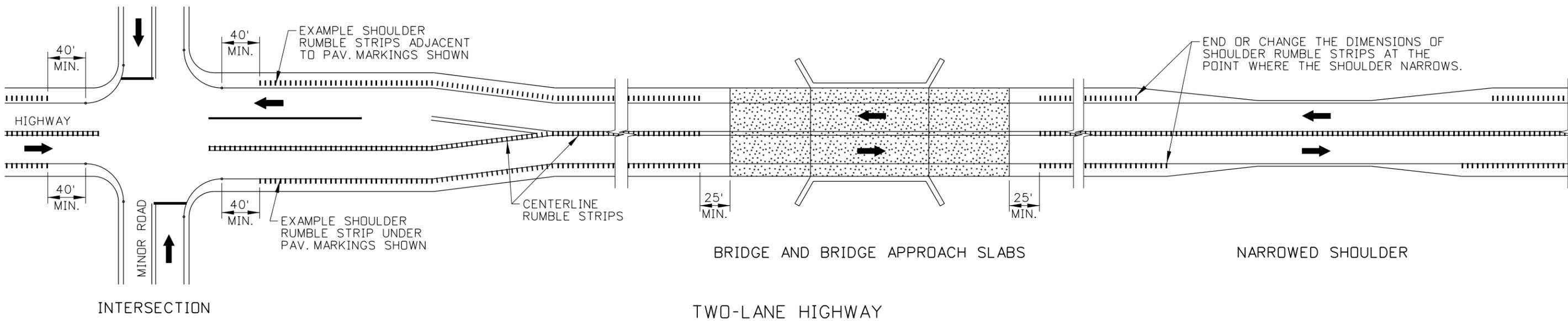
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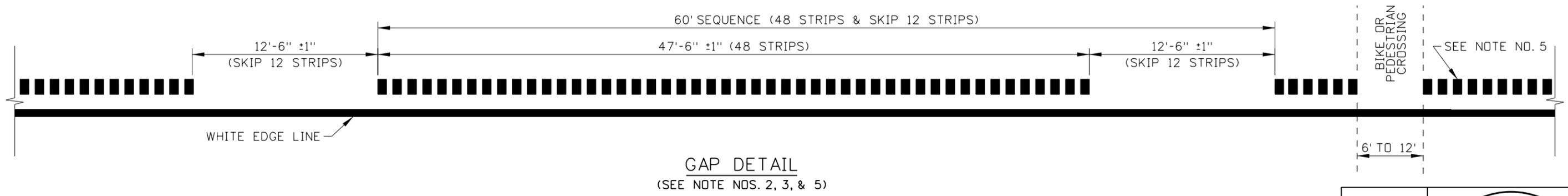
SHEET 4 OF 4



DIVIDED HIGHWAY



TWO-LANE HIGHWAY



GAP DETAIL
(SEE NOTE NOS. 2, 3, & 5)

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-02	HEB						
2	12-04	MSM						
3	09-11	JDA						
4	04-14	RDL						
5	01-17	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 631-1_0517.dgn
 DRAWING DATE: NOVEMBER, 2000

IDAHO TRANSPORTATION DEPARTMENT
 BOISE IDAHO

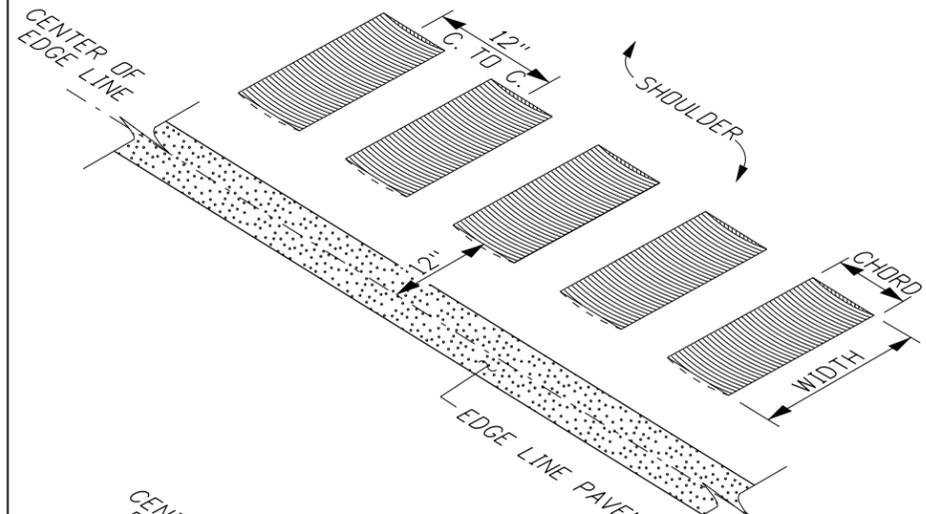
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STANDARD DRAWING
RUMBLE STRIPS

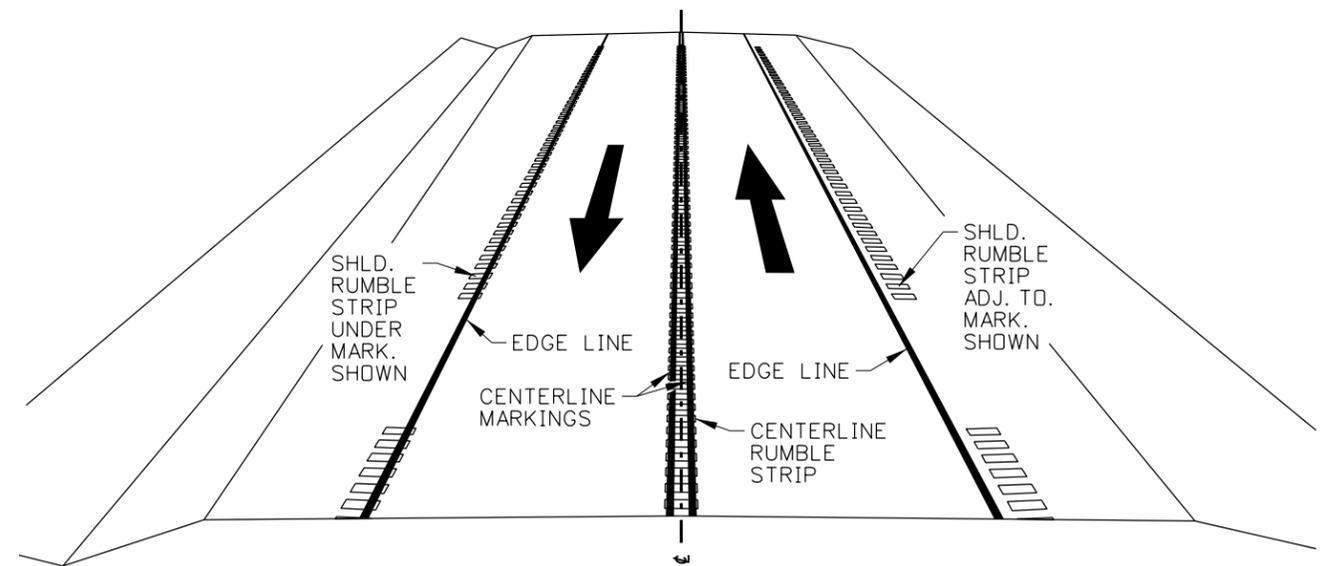
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631-1
 SHEET 1 OF 2

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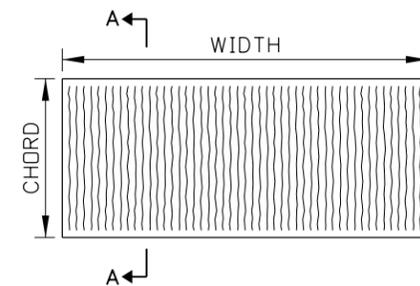




SHOULDER RUMBLE STRIP
ADJACENT TO PAVEMENT MARKINGS



EXAMPLE TWO-LANE HIGHWAY

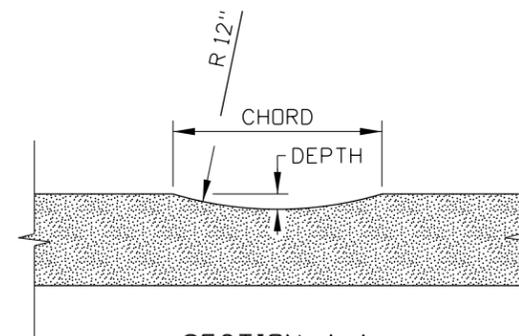


RUMBLE STRIP DETAIL

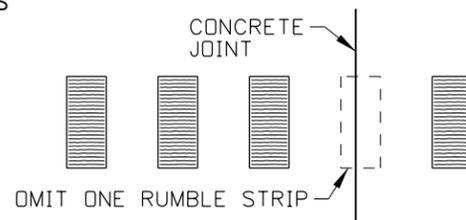
	RUMBLE STRIP DIMENSION TABLE						
	SHOULDER WIDTH	ADJ. TO PAV. MARKINGS WIDTH	DEPTH	CHORD	UNDER PAV. MARKINGS WIDTH	DEPTH	CHORD
SHOULDER RUMBLE STRIPS	2' TO <4'	N/A	N/A	N/A	6"	3/8" TYP. 1/2" MAX.	±6"
	4' TO 8'	12"	1/2" TYP. 5/8" MAX.	±7"	12"	3/8" TYP. 1/2" MAX.	±6"
	>8'	16"	1/2" TYP. 5/8" MAX.	±7"	16"	3/8" TYP. 1/2" MAX.	±6"
CENTERLINE RUMBLE STRIPS	N/A	N/A	N/A	N/A	12"	1/2" TYP. 5/8" MAX.	±7"

NOTES

1. CONSTRUCT RUMBLE STRIPS AS SHOWN ON THE PROJECT PLANS AND IN THE RUMBLE STRIP DIMENSION TABLE.
2. PROVIDE CONTINUOUS RUMBLE STRIPS ON THE LEFT SHOULDER (ADJACENT TO OR UNDER THE YELLOW EDGE LINE) OF DIVIDED HIGHWAYS. PROVIDE PERIODIC GAPS ON RIGHT SHOULDERS (ADJACENT TO OR UNDER WHITE EDGE LINE) TO ACCOMMODATE BICYCLE CROSSING OF THE RUMBLE STRIP PATTERN.
3. IN AREAS WHERE BICYCLISTS OR PEDESTRIANS ARE EXPECTED TO CROSS THE RUMBLE STRIP, PROVIDE A 6 FOOT TO 12 FOOT GAP.
4. OMIT RUMBLE STRIPS ON LONGITUDINAL AND LATERAL CONCRETE PAVEMENT JOINTS. OMIT RUMBLE STRIPS ON BRIDGES AND BRIDGE APPROACH SLABS. RUMBLE STRIPS ARE NOT NORMALLY OMITTED AT PRIVATE APPROACHES.
5. RESTART THE RUMBLE STRIP AND GAP PATTERN IF THE PATTERN IS INTERRUPTED.
6. CLEAN THE RUMBLE STRIPS AND APPLY CSS-1 EMULSIFIED ASPHALT AT THE RATE OF 0.08 GAL/SY TO THE RUMBLE STRIPS.
7. DRAWING NOT TO SCALE.

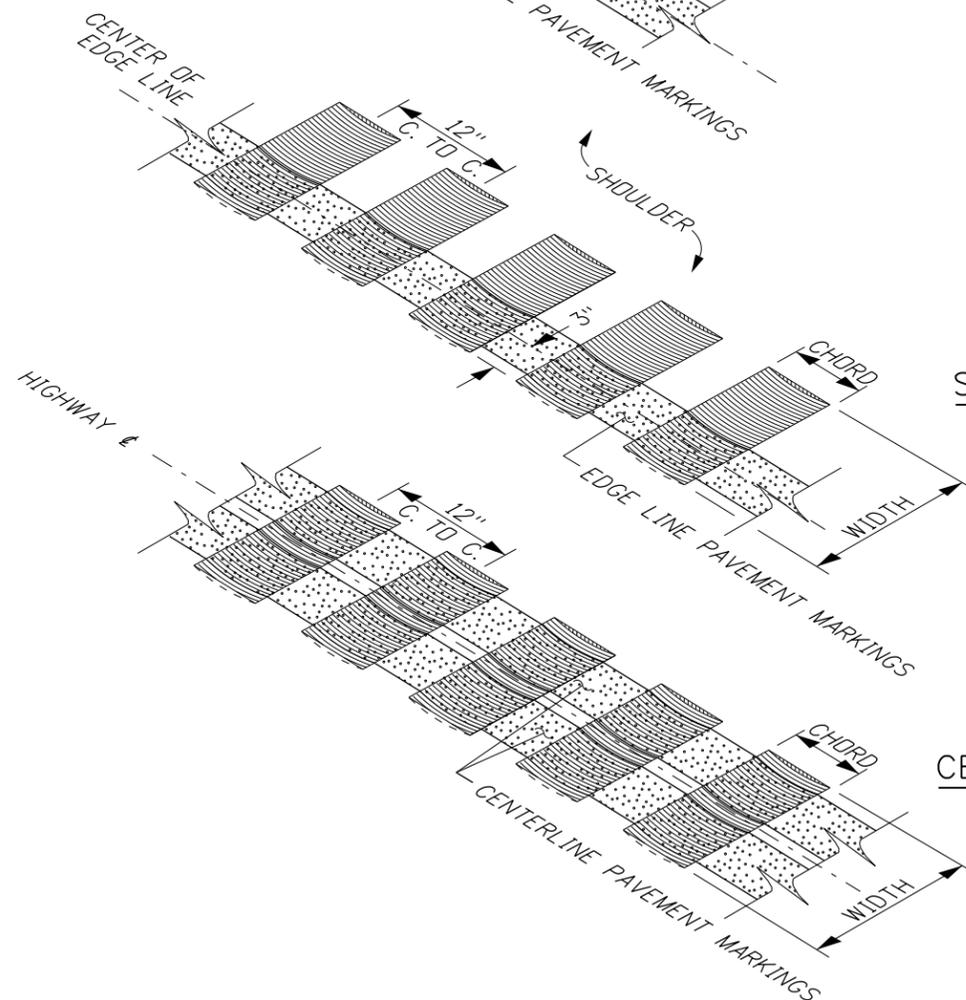


SECTION A-A



CONCRETE PAVEMENT JOINT DETAIL

(SEE NOTE NO. 4)



SHOULDER RUMBLE STRIP
UNDER PAVEMENT MARKINGS

CENTERLINE RUMBLE STRIP
UNDER PAVEMENT MARKINGS

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-02	HEB						
2	12-04	MSM						
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4	04-14	RDL						
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IDAHO TRANSPORTATION DEPARTMENT



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STANDARD DRAWING
RUMBLE STRIPS

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STANDARD DRAWING NO.
631-1

SHEET 2 OF 2

