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IDAHO

TRANSPORTATION DEPARTMENT

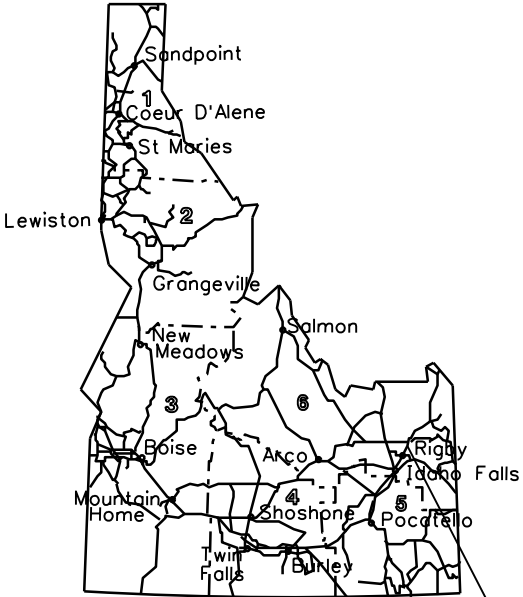
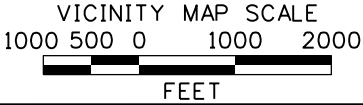
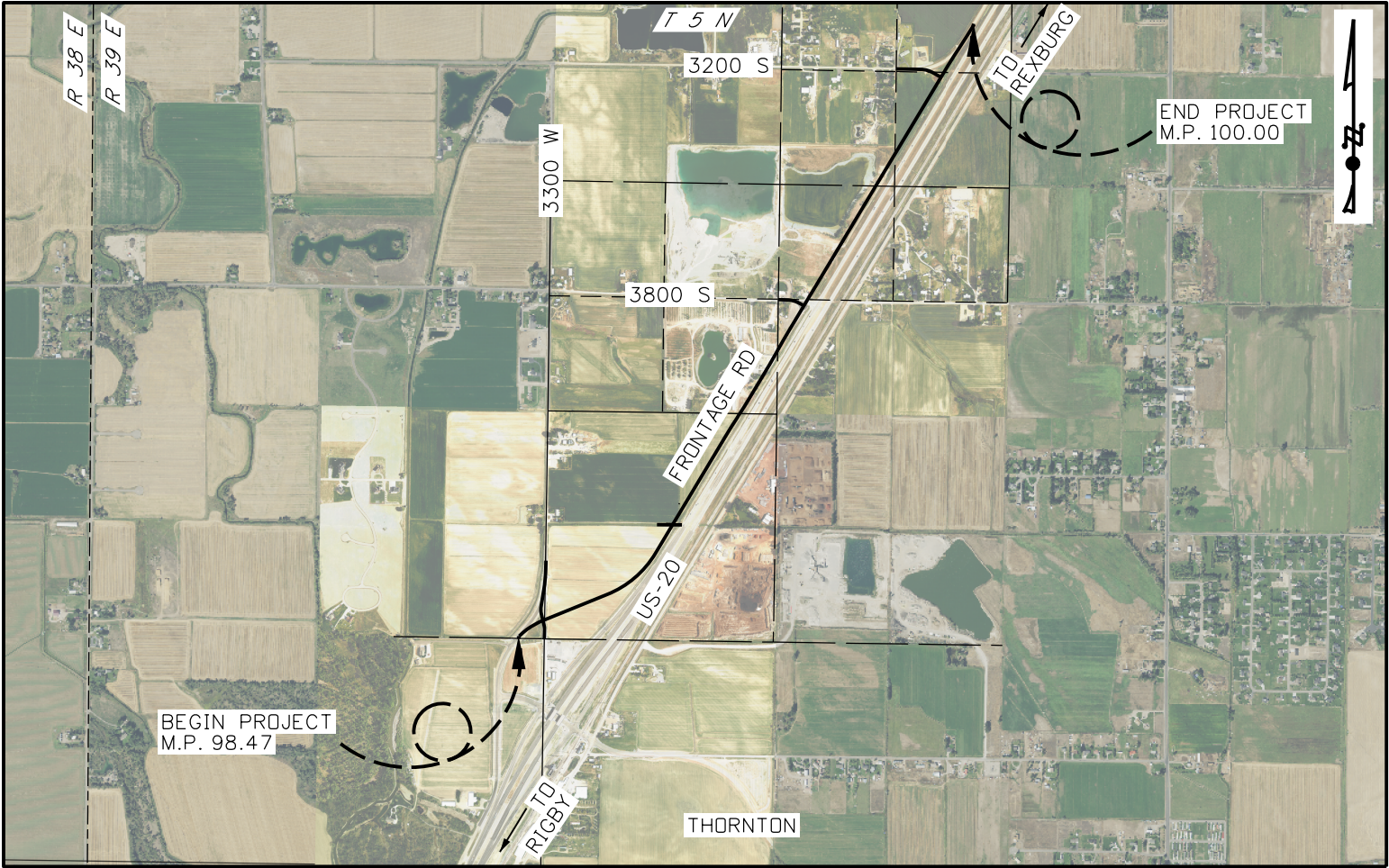
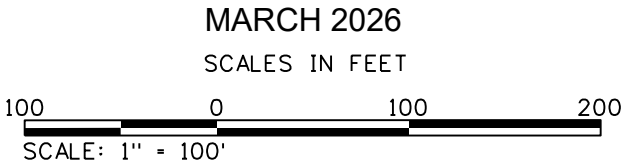
PLAN AND PROFILE OF PROPOSED

W. SIDE FRONTAGE RD., MADISON COUNTY

FEDERAL AID PROJECT NO. A020(599)

KEY NO. 20599

MADISON COUNTY



A020(599)

WEST FRONTAGE ROAD, MADISON COUNTY

M.P. 98.47 M.P. 100.00

SEGMENT CODE 002287

DESIGN DESIGNATION

ADT 2026	N/A*
ADT 2048	1774
DHV 2026	N/A*
DHV 2048	177
D	60/40
V	50 MPH
TRUCKS:	
ADT 2026	N/A*
ADT 2048	73
DHV 2026	N/A*
DHV 2048	7

*NEW ROADWAY CONNECTION

REVISIONS			
NO.	DATE	BY	DESCRIPTION

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_Title_001_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

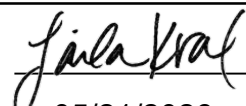


HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

TITLE
W. SIDE FRONTAGE RD. MADISON COUNTY

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 1 OF 67


05/21/2026

EXISTING /PROPOSED



PAVED APPROACH



BARN



HOUSE

EXISTING /PROPOSED



BUSH



MAILBOX



TREE



WETLAND



IRRIGATION BOX



SPRINKLER



BUSH BOUNDARY



ROADSIDE DITCHES



IRRIGATION DITCHES



EDGE OF ROAD EXISTING



RAILROAD TRACKS



ANGLE POINT

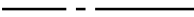
EXISTING /PROPOSED



FOUND / ESTIMATED QUARTER CORNER



FOUND / ESTIMATED SECTION CORNER



TOWNSHIP AND RANGE LINE



SECTION LINE



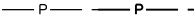
QUARTER SECTION LINE



SIXTEENTH SECTION LINE



EASEMENT LINE



PERMANENT EASEMENT LINE



RIGHT OF WAY LINE



PROPERTY LINE



TEMPORARY EASEMENT



SILT FENCE



FIBER WATTLE

EXISTING /PROPOSED



GUY & ANCHOR



JUNCTION BOX



ELECTRIC POLE



ELECTRIC VAULT



FIRE HYDRANT



TELEPHONE OR LIGHT POLE



MANHOLE



OVER HEAD ELECTRIC



UNDER GROUND ELECTRIC CABLE



UNDER GROUND FIBER OPTIC



OVER HEAD TELEPHONE



UNDER GROUND TELEPHONE

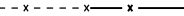


IRRIGATION LINE

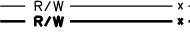
EXISTING /PROPOSED



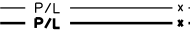
HORIZONTAL ALIGNMENT CONTROL LINE



FENCE



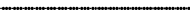
FENCE ON ROW LINE



FENCE ON PROPERTY LINE



GATE



EDGE OF WATER OR FLOW LINE



TOE OF FILL (SLOPE LIMIT)



TOP OF CUT (SLOPE LIMIT)



OBLITERATION OF OLD ROAD



SIGN SINGLE POST



SIGN DOUBLE POST



ELECTRICAL SERVICE PEDESTAL



STOP BAR

												PROFESSIONAL ENGINEER REGISTERED Kelly D. Hoopes 11474 3/6/26 STATE OF IDAHO KELLY D. HOOPES
REVISIONS				DESIGNED J BAILEY	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT		PROJECT NO.	LEGEND SHEET	English		
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED J PRICE				A020(599)	W. SIDE FRONTAGE RD. MADISON COUNTY	COUNTY MADISON		
				DETAILED J BAILEY						CADD FILE NAME 20599_lgnd_002.dgn	KEY NUMBER 20599	
				DRAWING CHECKED K HOOPES						DRAWING DATE: February 06, 2026	SHEET 2 OF 67	
						HORROCKS ENGINEERS						

PROJECT STANDARDS

CONCEPT APPROVAL

AASHTO

3R

1R

STATE

DESIGN EXCEPTIONS:

PUBLIC HEARING WAIVER

PUBLIC HEARING DATE (Latest hearing date held or scheduled for opportunity)

DESIGN APPROVAL

RECLAMATION PLAN APPROVAL NO(S)

AIRPORT

Land Survey Monument Search and Documentation (I.C.55-1613)

R/W CERTIFICATE: Issued by

HQ

DISTRICT

TRIBAL LANDS:

AGREEMENT REQUIRED

SPECIAL PROVISIONS FOR CONTRACT PROPOSAL

BRIDGE PS & E

ENVIRONMENTAL DECISION: TYPE

CAT-EX

FONSI

ROD

ENVIRONMENTAL RE-EVALUATION

CLEARANCES

CLEARED UNDER PROJECT NO.

A020(599)

APPROVAL DATE

12/16/2019

N/A

N/A

N/A

N/A

A020(599)

8/12/2020

A020(599)

8/25/2020

N/A

N/A

N/A

N/A

A020(599)

3/5/2021

A020(599)

1/30/2026

N/A

N/A

N/A

N/A

A020(599)

6/22/2020

A020(599)

3/6/2026

PERMITS

IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S)

US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) NWW-2024-00391

OTHER

DEQ SECTION 401 WATER QUALITY CERTIFICATION

YES

NO

NPDES GENERAL PERMIT/SWPPP REQUIRED:

YES

NO

EROSION AND SEDIMENT CONTROL PLAN REQUIRED

YES

NO

AGREEMENTS (List Appropriate Name)

LOCAL: CITY

COUNTY

HIGHWAY DISTRICT

ROAD CLOSURE AND MAINTENANCE

STATE/LOCAL CONSTRUCTION MADISON COUNTY

IRRIGATION DISTRICT(S): Crossing Agreement Required

YES

NO

(Signatures Required on either Structure Drawing or Bridge Sheet)

UTILITIES: List all Utilities shown on plans

RETAIN & PROTECT

Co.

Intermountain Gas

Co.

Sparklight

Co.

Rocky Mountain Power

Co.

Co.

Co.

Co.

RAILROAD

List all Railroads encroached upon

AGREEMENT FOR

N/A

EFFECTIVE DATE

N/A

NO.

N/A

ESTIMATING BASIS

Prime:

Emulsified Asphalt, CSS-1h for prime coat at 0.15 Gal/SY (residual rate of 0.03 Gal/SY estimated)

Paving:

1/2" Aggregate for Superpave HMA, Class SP-2 is specified for the surface course for this project.
PG 58-34 Asphalt Cement at 5.6% by weight of mix.
Anti-Stripping Additive at 0.5% by weight of asphalt binder.

Surface Treatment:

None.

Aggregate:

Size, Est. Aggregate Compacted Mass Density (Lbs/CF) Including Additions.
HMA:
1/2" Aggregate for Superpave HMA Pavement at 146 Lb/CF, including asphalt.
Base:
3/4" Aggregate Type B for Base at 143 Lb/CF, including 7% Moisture.
Subbase:
Aggregate for granular subbase at 138 Lb/CF, including 7% water.

Notes:

Tack, Base, Plant Mix, etc. have been increased on the Roadway Summary to construct tapers, approaches, etc.

REVISIONS

NO.

DATE

BY

DESCRIPTION

DESIGNED

J PRICE

DESIGN CHECKED

K HOOPES

DETAILED

J BAILEY

DRAWING CHECKED

K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 20599_PCSM.DGN

DRAWING DATE: March 10, 2026

IDAHO TRANSPORTATION DEPARTMENT

IDAHO

TRANSPORTATION DEPARTMENT

HORROCKS

ENGINEERS

PROJECT NO.

A020(599)

PROJECT CLEARANCE SUMMARY

W. SIDE FRONTAGE RD.

MADISON COUNTY

English

COUNTY MADISON

KEY NUMBER 20599

SHEET 3 OF 67

PROFESSIONAL ENGINEER

REGISTERED

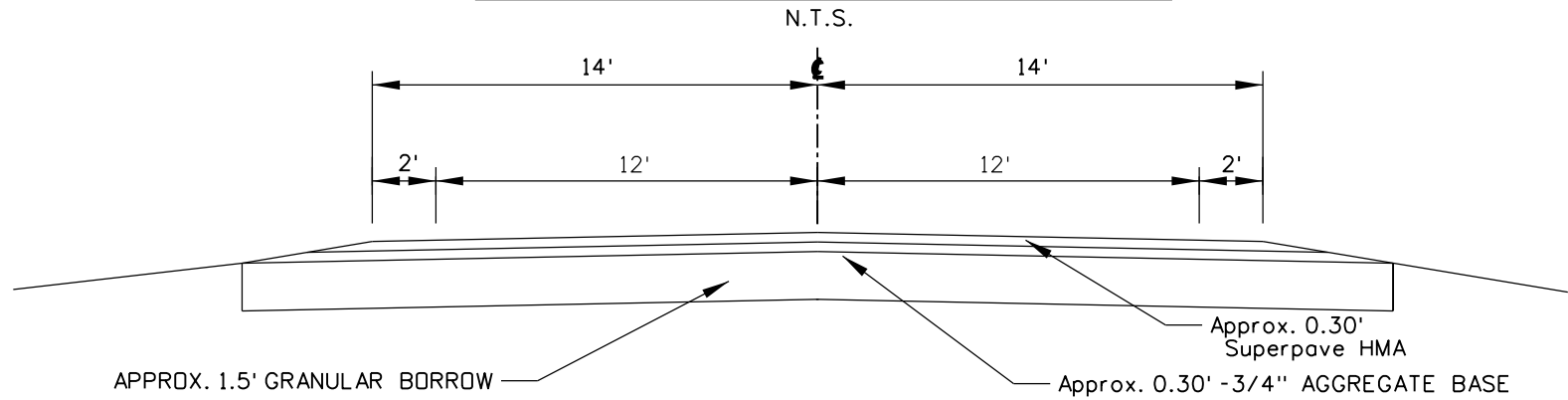
11474

3/6/26

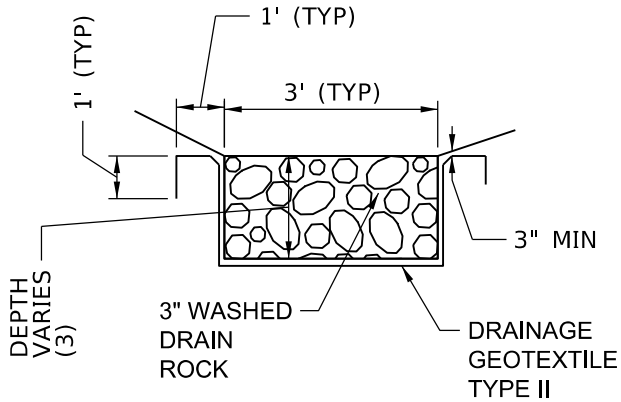
STATE OF IDAHO

KELLY D. HOOPES

3300 W. EXISTING TYPICAL SECTION



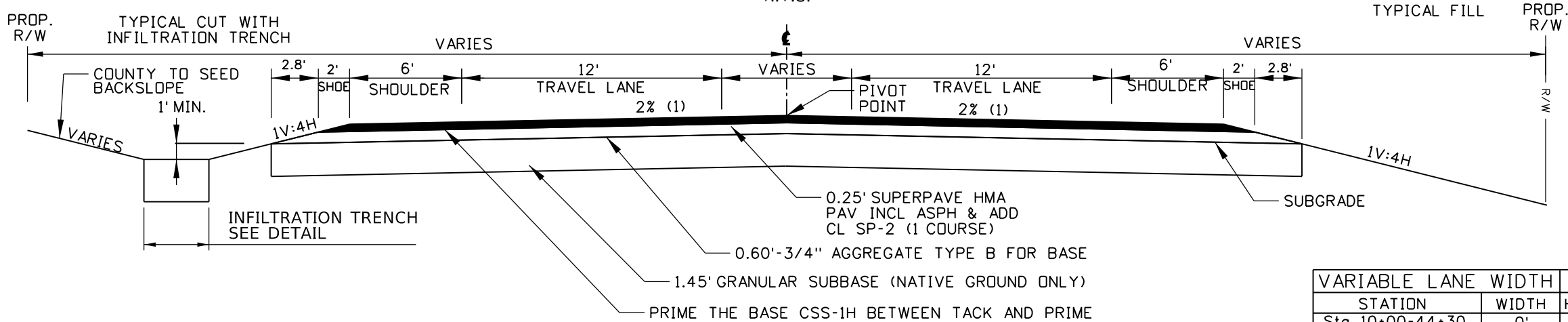
S913-05A SP INFILTRATION TRENCH SECTION



MAINLINE TYPICAL SECTION

STA. 10+00 - STA. 101+58.11

N.T.S.



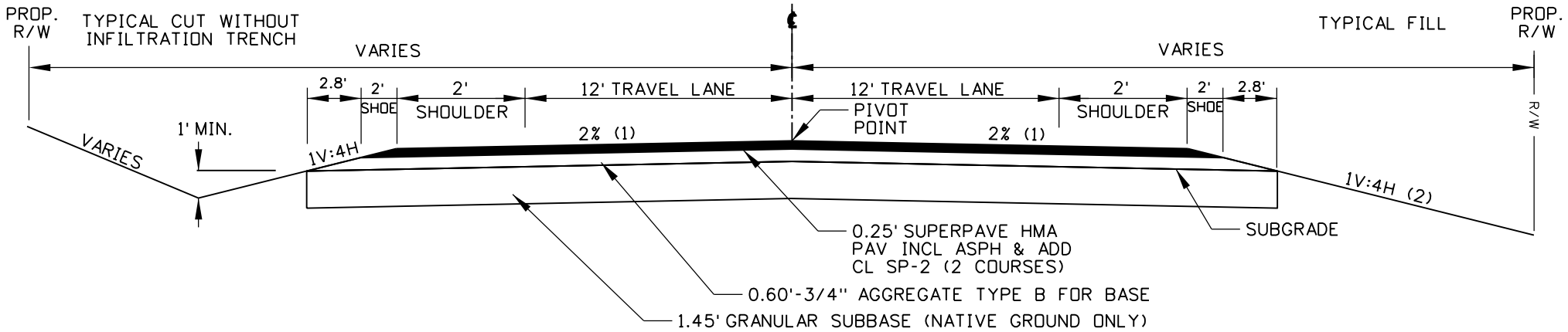
NATIVE GROUND LOCATIONS	
STATION	NOTES
Sta. 10+00-16+25	
Sta. 33+25-36+75	
Sta. 63+00-67+00	ONLY HALF RD WIDTH
Sta. 94+00-101+58.11	

VARIABLE LANE WIDTH		EST TONS/STA		
STATION	WIDTH	HMA	BASE	SUBBASE
Sta. 10+00-44+30	0'	69	199	428
Sta. 44+30-47+80	0-14'			
Sta. 47+80-63+50	14'	95	264	568
Sta. 63+50-67+00	14-0'			
Sta. 67+00-99+12	0'	69	199	428

3300 W., 3200 S., 3800 S. TYPICAL SECTION

STA. 200+00 - STA. 209+12
STA. 300+00 - STA. 309+59
STA. 400+00 - STA. 405+00

N.T.S.



(1) SEE PLANS AND PROFILES FOR SUPERELEVATIONS DETAILS.

(2) SLOPE IS 1V:3H FROM STA. 300+00 TO 305+00.

(3) INFILTRATION TO EXTEND A MINIMUM OF ONE FOOT INTO GRANULAR MATERIAL. ESTIMATED DEPTHS SHOWN ON ROADWAY PLANS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_typ_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

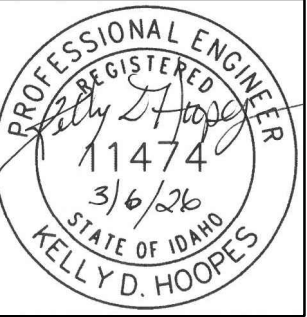
HORROCKS
ENGINEERS



PROJECT NO.
A020(599)

TYPICAL SECTION
W. SIDE FRONTAGE RD. MADISON COUNTY

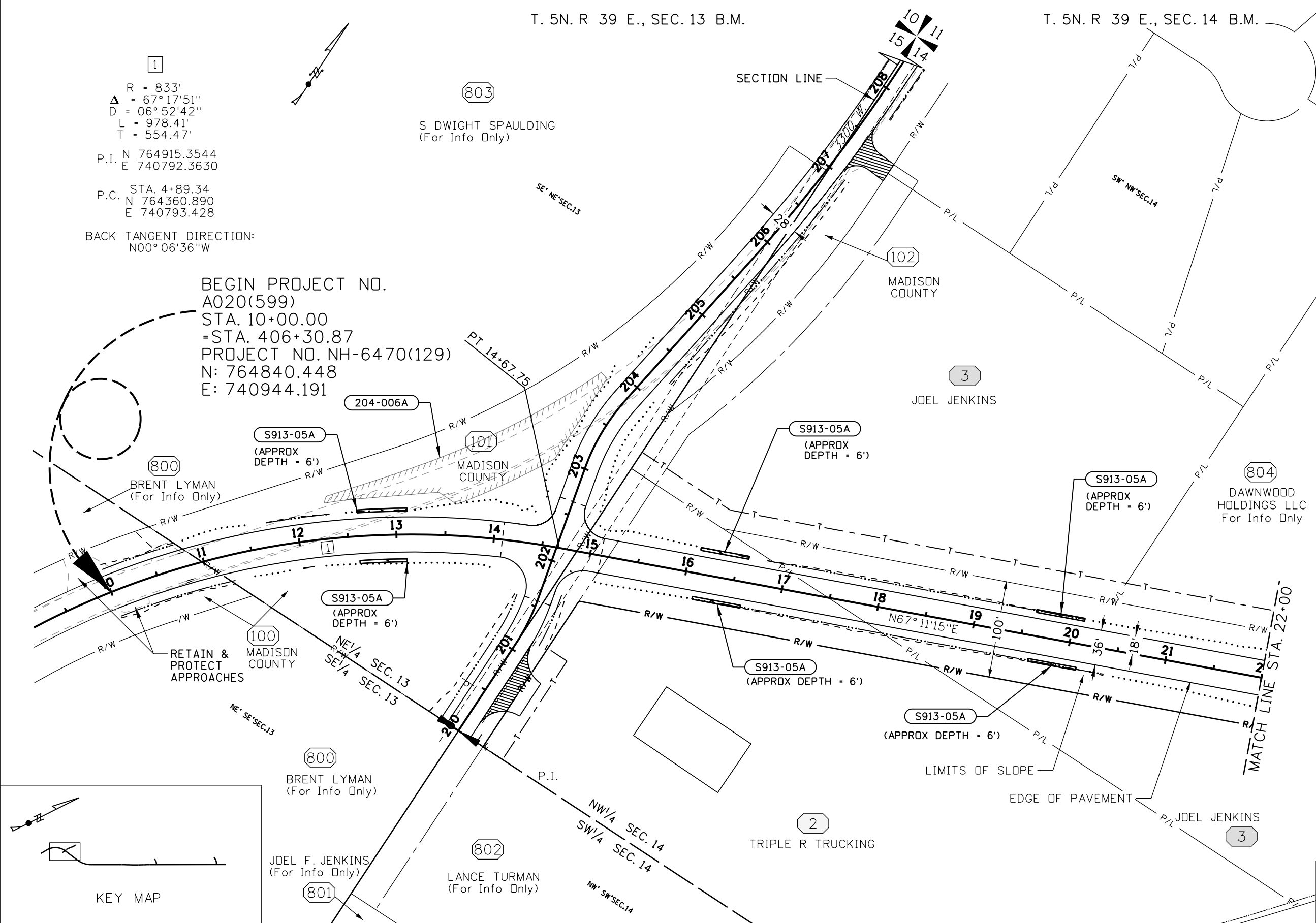
English
COUNTY MADISON
KEY NUMBER 20599
SHEET 4 OF 67



				7,29,40,61	9,30,41,62	11,31,42,63	13,32,43,64	15,33,44,65	17,34,45,66	19,35,46,67	21,36,47,68	23,37,48	25,38,49	27,39,50	
STATION - STATION				10+00 to 22+00	22+00 to 34+00	34+00 to 46+00	46+00 to 58+00	58+00 to 70+00	70+00 to 82+00	82+00 to 94+00	94+00 to 101+58.11	3300 W	3800 S	3200 S	
ITEM NO.	ITEM	UNIT	TOTAL	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	1200.00	785.11				
201-010A	CLEARING & GRUBBING	LS	1												
203-075A	REMOVAL OF FENCE	FT	953.5					163.5		200.0				590.0	
204-006A	OBLITERATION OF OLD ROAD	LS	1.00	0.25							0.75				
205-005A	EXCAVATION	CY	2986												
205-060A	WATER FOR DUST ABATEMENT	MG	385												
205-095A	SOFT SPOT REPAIR	CA	5000												
209-005A	SMALL DITCH	FT	1372				324	514	9	258	267				
213-010A	TOPSOIL (PLAN QUANTITY)	SY	60971	8004	7305	7285	4536	5610	7188	7423	4178	5251	902	3289	
301-005A	GRANULAR SUBBASE	TON	11175												
303-022A	3/4" AGGREGATE TYPE B FOR BASE	TON	21598												
402-020A	EMULSIFIED ASPHALT FOR PRIME COAT	TON	31												
405-245A	APPROACH	EACH	15		1	1	2	2	1	1	1	2		4	
405-425A	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES	TON	7716												
604-045A	24" IRRIGATION PIPE	FT	165							84	76				
604-055A	30" IRRIGATION PIPE	FT	541				76	340	117	221					
608-045A	24" APRON FOR PIPE	EACH	2							2	2				
608-055A	30" APRON FOR PIPE	EACH	2					2							
609-025A	MINOR STRUCTURE (TYPE 1 DIVERSION STRUCTURE)	EACH	2				1		1		1				
609-025B	MINOR STRUCTURE (TYPE 2 DIVERSION STRUCTURE)	EACH	2							1					
609-025C	MINOR STRUCTURE (TYPE 3 DIVERSION STRUCTURE)	EACH	4				1	1	1	1					
609-025D	MINOR STRUCTURE (TYPE 4 DIVERSION STRUCTURE)	EACH	1												
610-015A	FENCE TYPE 1B	FT	4858.5		55.1	1200.0	273.9	496.8	1160.0	1180.0	5.0			487.7	
610-101A	GATE TYPE 1A	EACH	7					2	2	1				1	
610-250A	BRACES	EACH	23												
616-010A	SIGN TYPE B-1	SF	95												
616-055A	WOOD SIGN POST TYPE D-1	FT	176												
616-100A	SIGN BRACES	LB	160.62												
621-005A	SEED BED PREPARATION (PLAN QUANTITY)	ACRE	12.592	1.653	1.509	1.505	0.938	1.158	1.485	1.533	0.862	1.084	0.186	0.679	
621-010A	SEEDING (PLAN QUANTITY)	ACRE	12.592	1.653	1.509	1.505	0.938	1.158	1.485	1.533	0.862	1.084	0.186	0.679	
621-015A	MULCHING (PLAN QUANTITY)	ACRE	12.592	1.653	1.509	1.505	0.938	1.158	1.485	1.533	0.862	1.084	0.186	0.679	
621-025A	MULCH ANCHORING (TACKIFIER)(PLAN QUANTITY)	ACRE	25.184	3.306	3.010	1.876	1.876	2.316	2.970	3.066	1.724	2.168	0.372	1.358	
621-035A	FERTILIZING (PLAN QUANTITY)	ACRE	12.592	1.653	1.509	1.505	0.938	1.158	1.485	1.533	0.862	1.084	0.186	0.679	
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	CA	5000												
630-010A	TRANSVERSE, WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS	SF	239.80	64.20			32.00	105.60			38.00				
	- PREFORMED THERMOPLASTIC														
630-025A	LONGITUDINAL PAVEMENT MARKING - WATERBORNE	FT	60062	5072	5376	8290	11543	10752	10306	5476	3247				
634-005A	MAILBOX	EACH	1											1	
675-005A	SURVEY	LS	1												
675-010A	DIRECTED SURVEYING	CA	5000												
677-005A	RECORD DRAWINGS	LS	1												
S900-50A	CONTINGENCY AMOUNT (DIRECTED REPAIRS)	CA	5000												
S904-05A	SP TRAFFIC CONTROL	LS	1												
S912-05A	SP GRADE SHAPE AND COMPACT COUNTY PLACED SUBBASE	SY	41783												
S912-05B	SP SUBGRADE PREPARATION FOR ROADWAY EMBANKMENTS	SY	995												
S913-05A	SP INFILTRATION TRENCH	CY	656	198	54	78	60	66	72	78	50				
Z629-05A	MOBILIZATION	LS	1												

REVISIONS				DESIGNED J BAILEY	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT  HORROCKS ENGINEERS	PROJECT NO. A020(599)	ROADWAY SUMMARY W. SIDE FRONTAGE RD. MADISON COUNTY	English		
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED K HOOPES					COUNTY MADISON		
				DETAILED J BAILEY	CADD FILE NAME 20599_rsum_ORD.DGN				KEY NUMBER 20599		
				DRAWING CHECKED K HOOPES	DRAWING DATE: March 10, 2026				SHEET 5 OF 67		

A circular professional engineer seal for the State of Idaho. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "KELLY D. HOOPES" at the bottom. Inside the ring, the word "REGISTERED" is at the top, "11474" is in the center, and "3/6/26" is below it. The signature "Kelly D. Hoopes" is written across the seal.



1
R = 833'
Δ = 67°17'51"
D = 06°52'42"
L = 978.41'
T = 554.47'
P.I. N 764915.3544
E 740792.3630
P.C. STA. 4+89.34
N 764360.890
E 740793.428
BACK TANGENT DIRECTION:
N00°06'36"W

BEGIN PROJECT NO.
A020(599)
STA. 10+00.00
= STA. 406+30.87
PROJECT NO. NH-6470(129)
N: 764840.448
E: 740944.191

204-006A				OBLITERATION OF OLD ROAD	
0.25 LS		Sta. 12+25 Lt. to			
		Sta. 14+50 Lt.			
S913-05A				SP (INFILTRATION TRENCH)	
33	CY	Sta. 12+61 to			
		Sta. 13+33, Lt.			
33	CY	Sta. 12+61 to			
		Sta. 13+33, Rt.			
33	CY	Sta. 16+11 to			
		Sta. 16+61, Lt.			
33	CY	Sta. 16+11 to			
		Sta. 16+61, Rt.			
33	CY	Sta. 19+61 to			
		Sta. 20+11, Lt.			
33	CY	Sta. 19+61 to			
		Sta. 20+11, Rt.			

- NOTES:**
1. INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
 3. SEE PROFILES FOR SUPERELEVATION INFORMATION
 4. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_plan_001_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

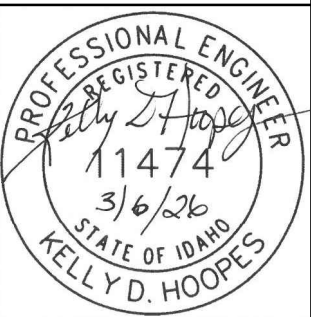
IDAHO
TRANSPORTATION
DEPARTMENT

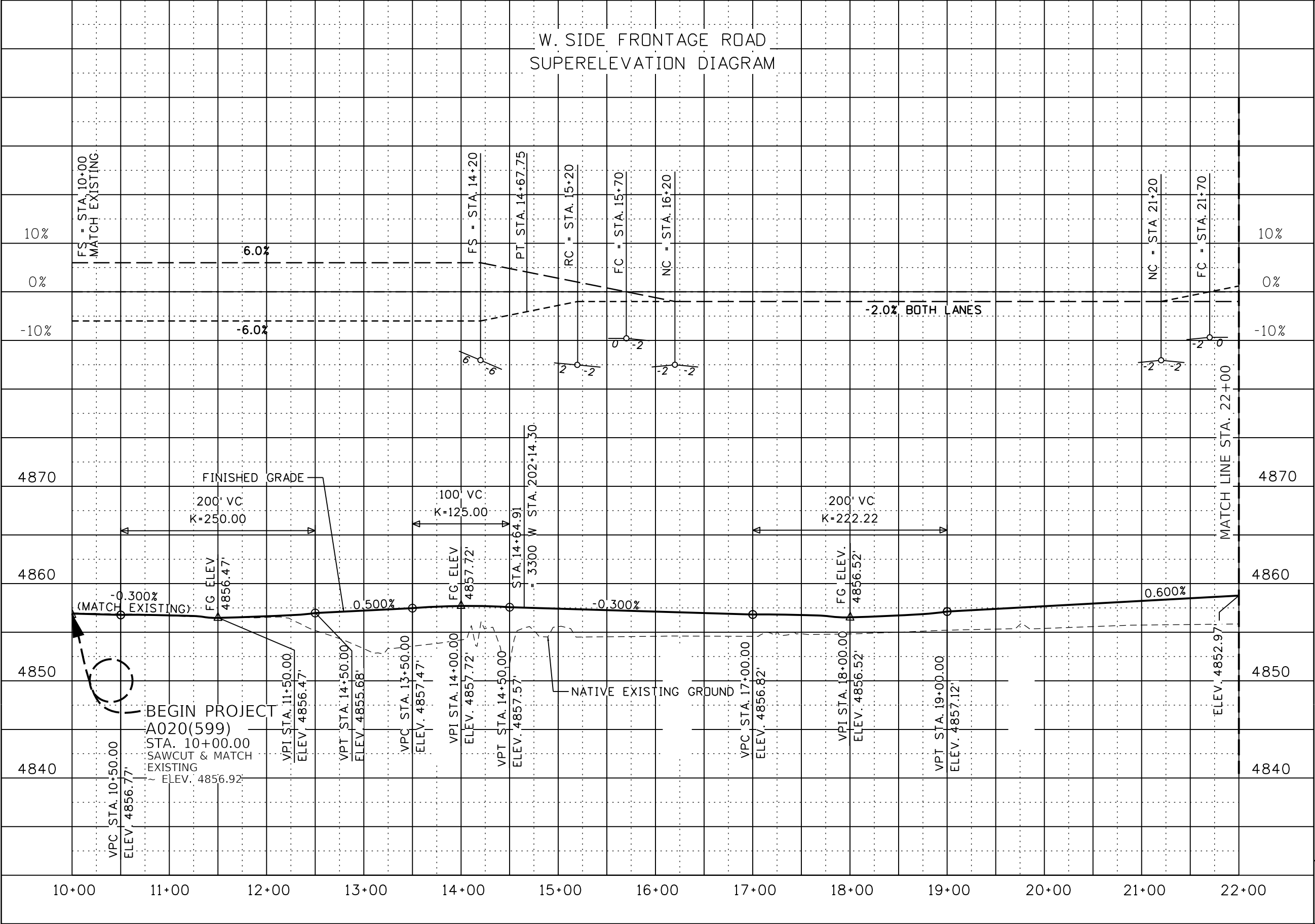
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

PLAN SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 10+00 TO 22+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 7 OF 67





- LEGEND:**
- LEOP OF PAVEMENT (LEOP) SUPERELEVATION
 - - - REOP OF PAVEMENT (REOP) SUPERELEVATION
 - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_001_ORD.DGN
DRAWING DATE: March 10, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

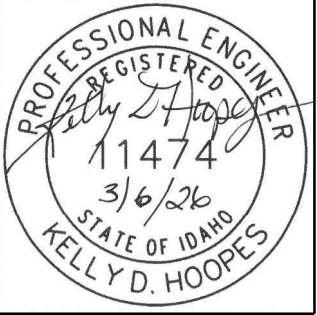
**HORROCKS
ENGINEERS**



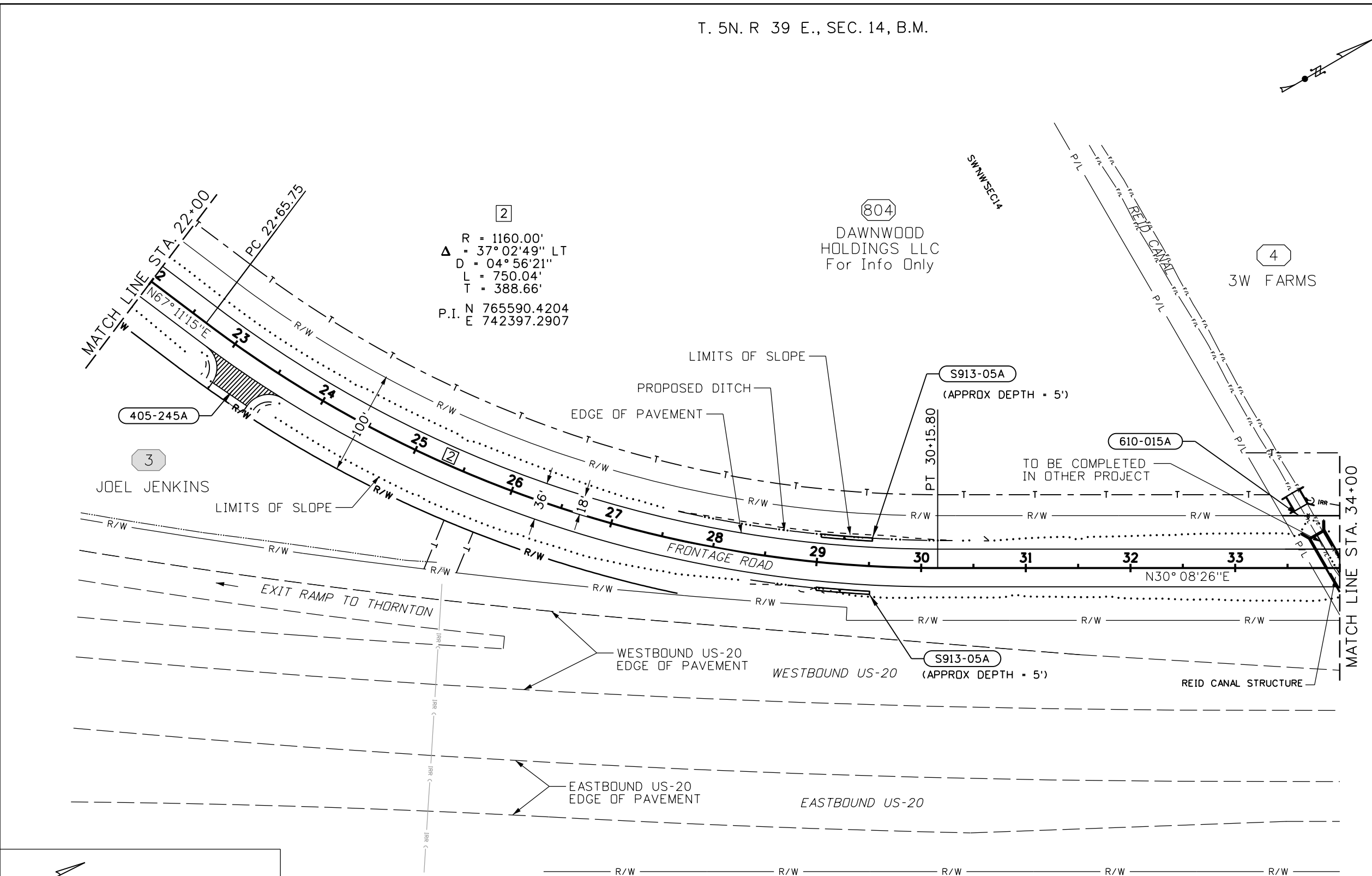
PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 10+00 TO 22+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 8 OF 67



T. 5N. R 39 E., SEC. 14, B.M.



2
R = 1160.00'
Δ = 37° 02' 49" LT
D = 04° 56' 21"
L = 750.04'
T = 388.66'
P.I. N 765590.4204
E 742397.2907

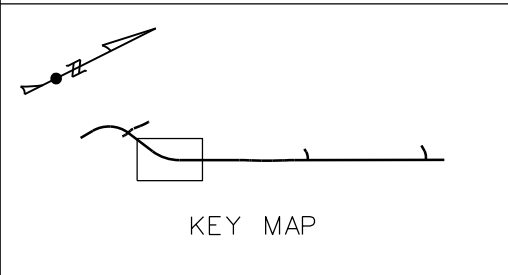
804
DAWNWOOD
HOLDINGS LLC
For Info Only

4
3W FARMS

3
JOEL JENKINS

- 405-245A APPROACH
1 EACH Sta. 23+23, RT
- 610-015A FENCE TYPE 1 B
55.1 FT Sta. 33+44.9, 50' Lt to Sta. 34+00.0, 50' Lt
- S913-05A SP (INFILTRATION TRENCH)
27 CY Sta. 29+02 to Sta. 29+52, Lt.
27 CY Sta. 29+02 to Sta. 29+52, Rt.

- NOTES:**
- 1. INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - 2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
 - 3. SEE PROFILES FOR SUPERELEVATION INFORMATION
 - 4. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE
DESIGN CHECKED J BAILEY
DETAILED J PRICE
DRAWING CHECKED K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_plan_002_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS

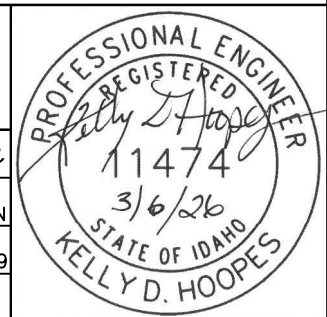
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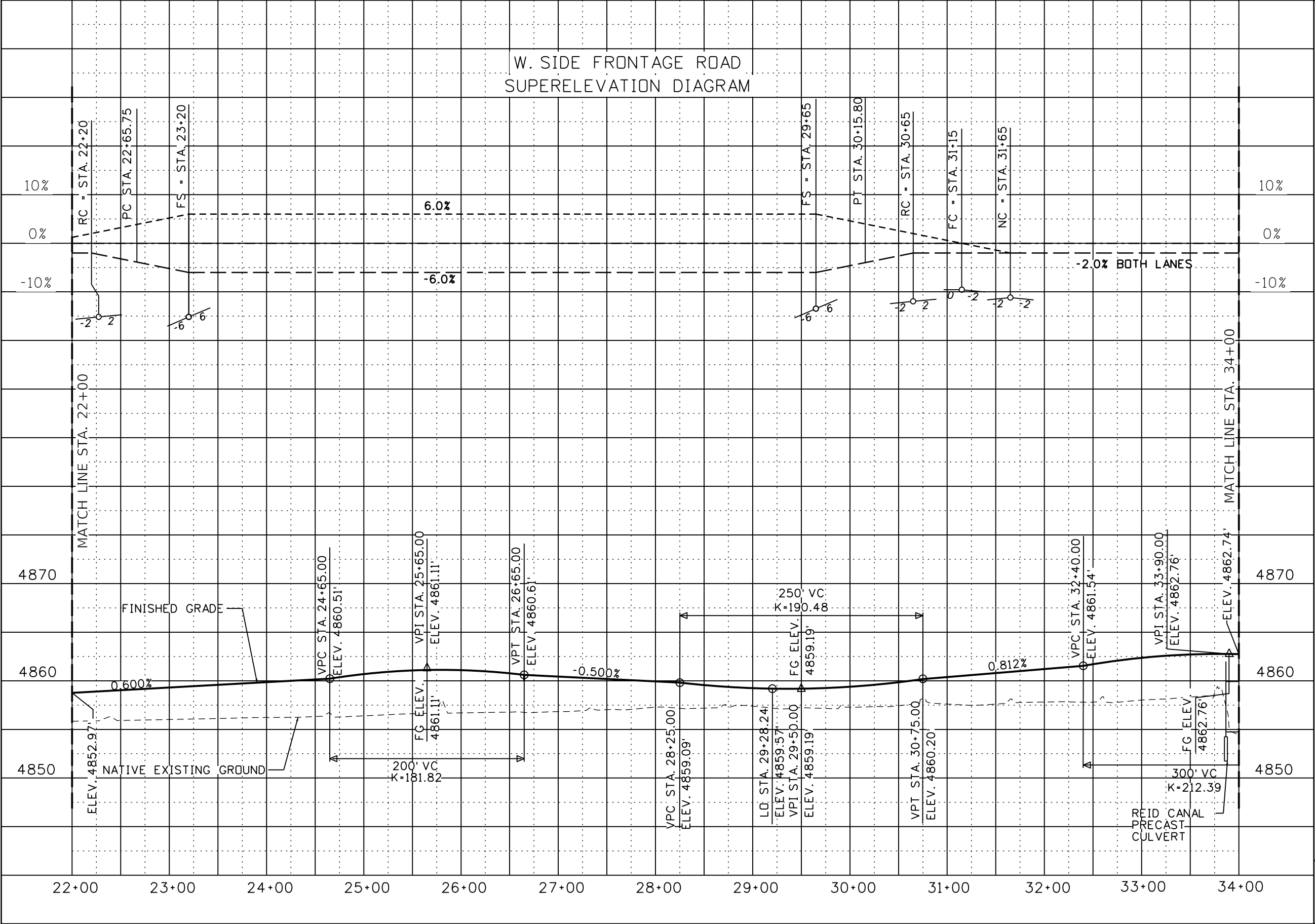
A020(599)

PLAN SHEET

W. SIDE FRONTAGE RD.
MADISON COUNTY
STA. 22+00 TO 34+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 9 OF 67





- LEGEND:**
- LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_002_ORD.DGN
DRAWING DATE: February 06, 2026

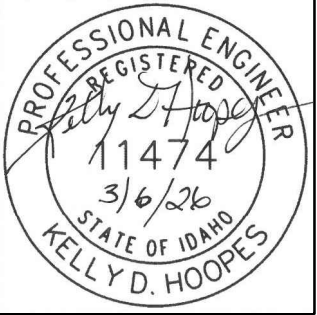
IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS

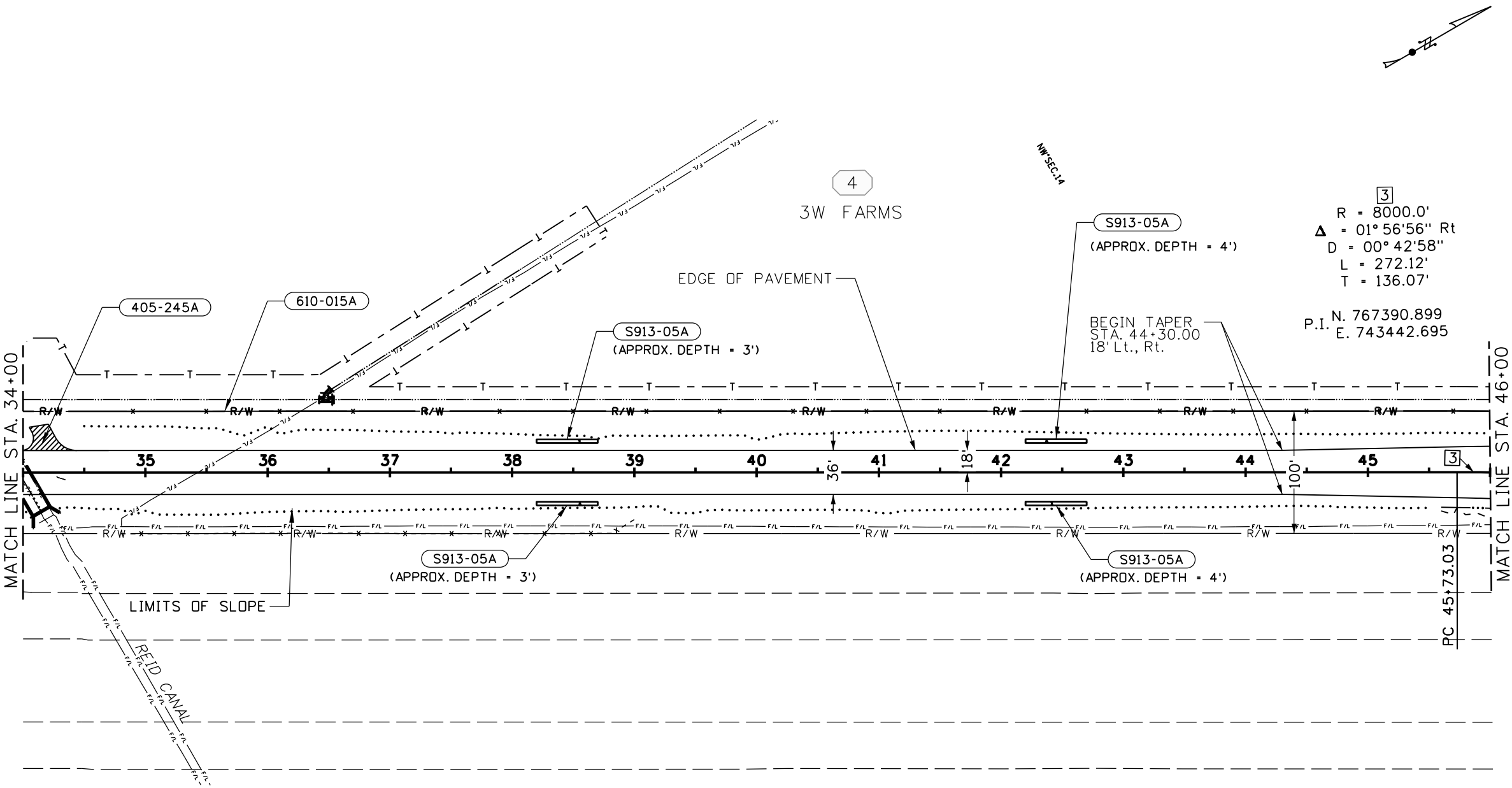
PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 22+00 TO 34+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 10 OF 67



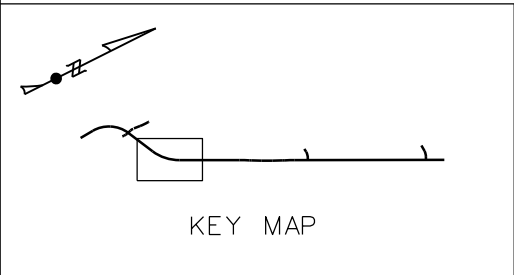
T. 5N. R 39 E., SEC. 14, B.M.



405-245A	APPROACH
1	EACH Sta. 34+24 LT 16' FARM FIELD
610-015A	FENCE TYPE 1 B
1200 FT	Sta. 34+00, 50' Lt to Sta. 46+00, 50' Lt
S913-05A	SP (INFILTRATION TRENCH)
17	CY Sta. 38+20 to Sta. 38.70, Lt.
17	CY Sta. 38+20 to Sta. 38.70, Rt.
22	CY Sta. 42+20 to Sta. 42.70, Lt.
22	CY Sta. 42+20 to Sta. 42.70, Rt.

NOTES:

- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
- SEE PROFILES FOR SUPERELEVATION INFORMATION
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_plan_003_ORD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

PLAN SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 34+00 TO 46+00

English

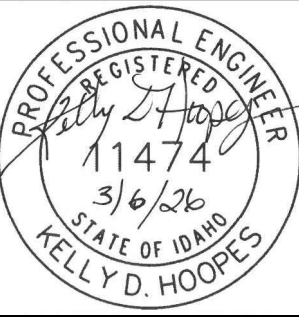
COUNTY

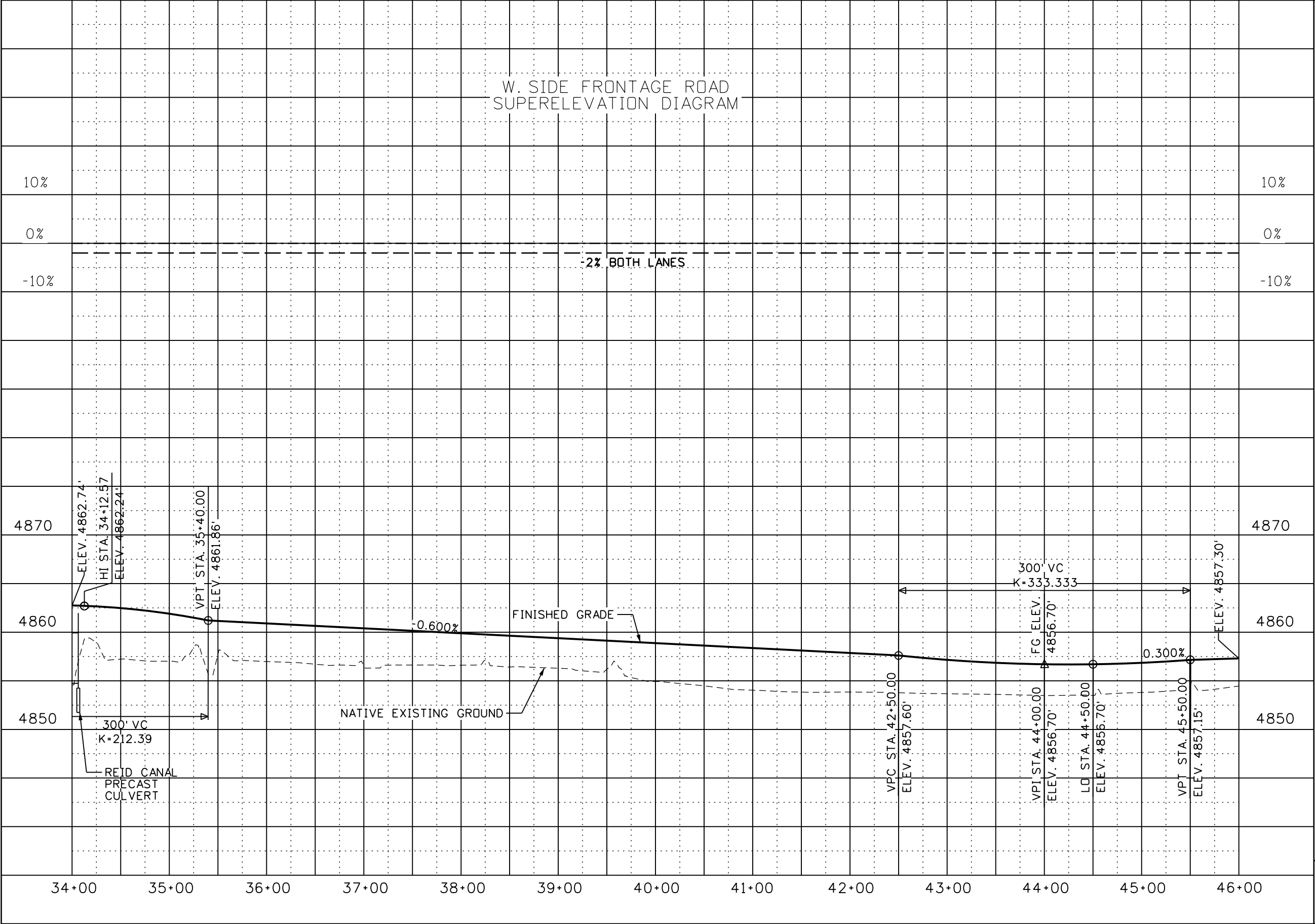
MADISON

KEY NUMBER

20599

SHEET 11 OF 67





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K HOOPES	
DETAILED J BAILEY	CADD FILE NAME 20599_prof_003_ORD.DGN
DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

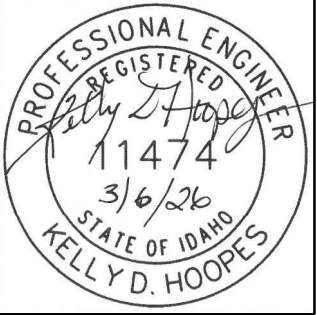


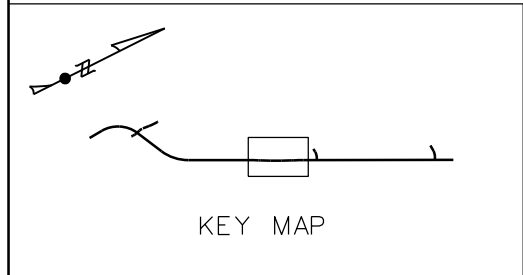
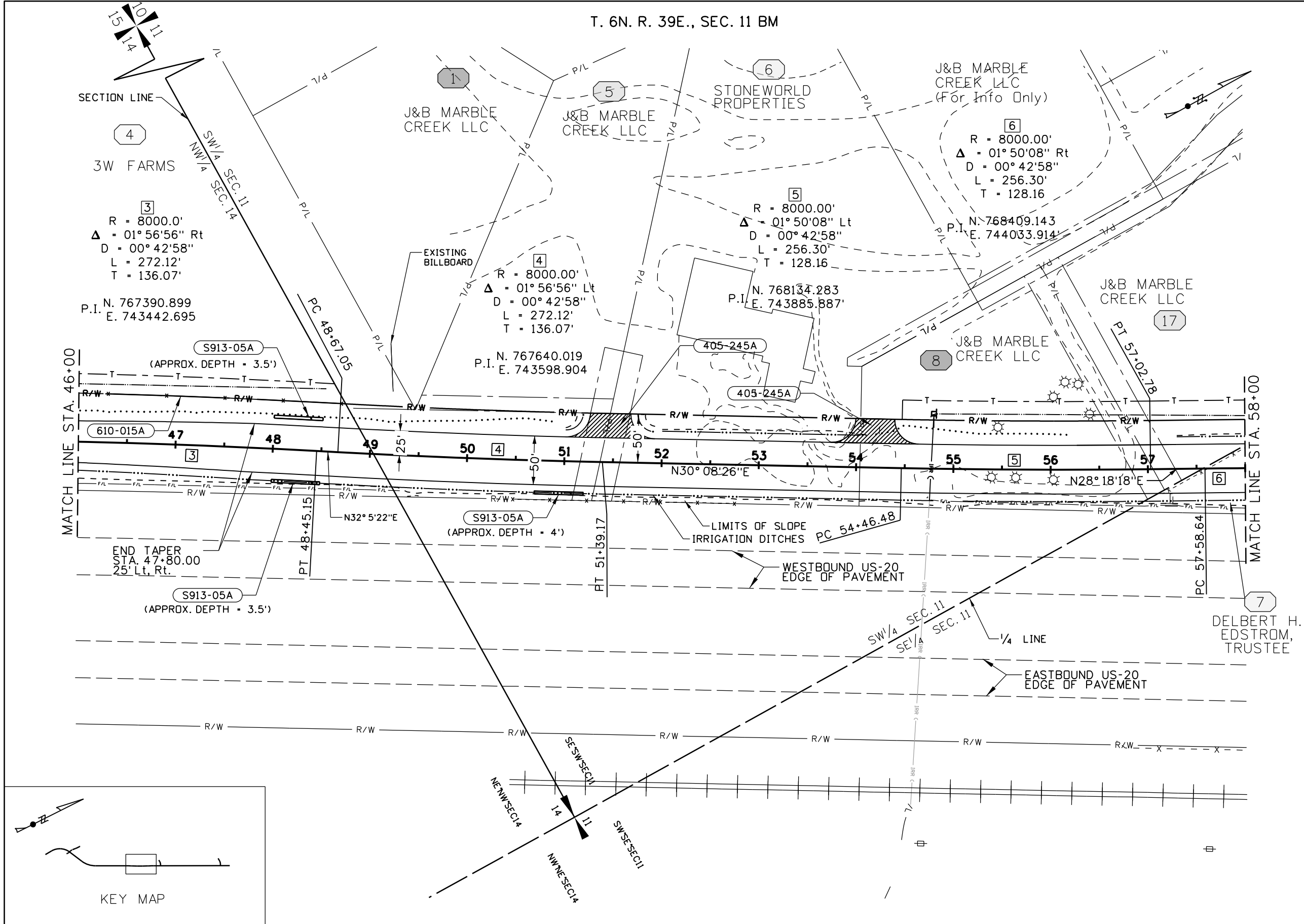
**HORROCKS
ENGINEERS**

PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 34+00 TO 46+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 12 OF 67





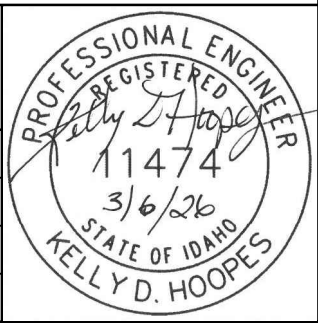
- 405-245A** APPROACH
- 1 EACH Sta. 51+42, Lt. 41' Commercial
 - 1 EACH Sta. 54+18, Lt. 40' Commercial
- 610-015A** FENCE TYPE 1 B
- 273.9FT Sta. 46+00, 50' Lt to Sta. 48+72.4, 50' Lt
- S913-05A** SP (INFILTRATION TRENCH)
- 19 CY Sta. 48+00 Lt. to Sta. 48+50, Lt.
 - 19 CY Sta. 48+00 Rt. to Sta. 48+50, Rt.
 - 22 CY Sta. 50+70 Rt. to Sta. 51+20, Rt.

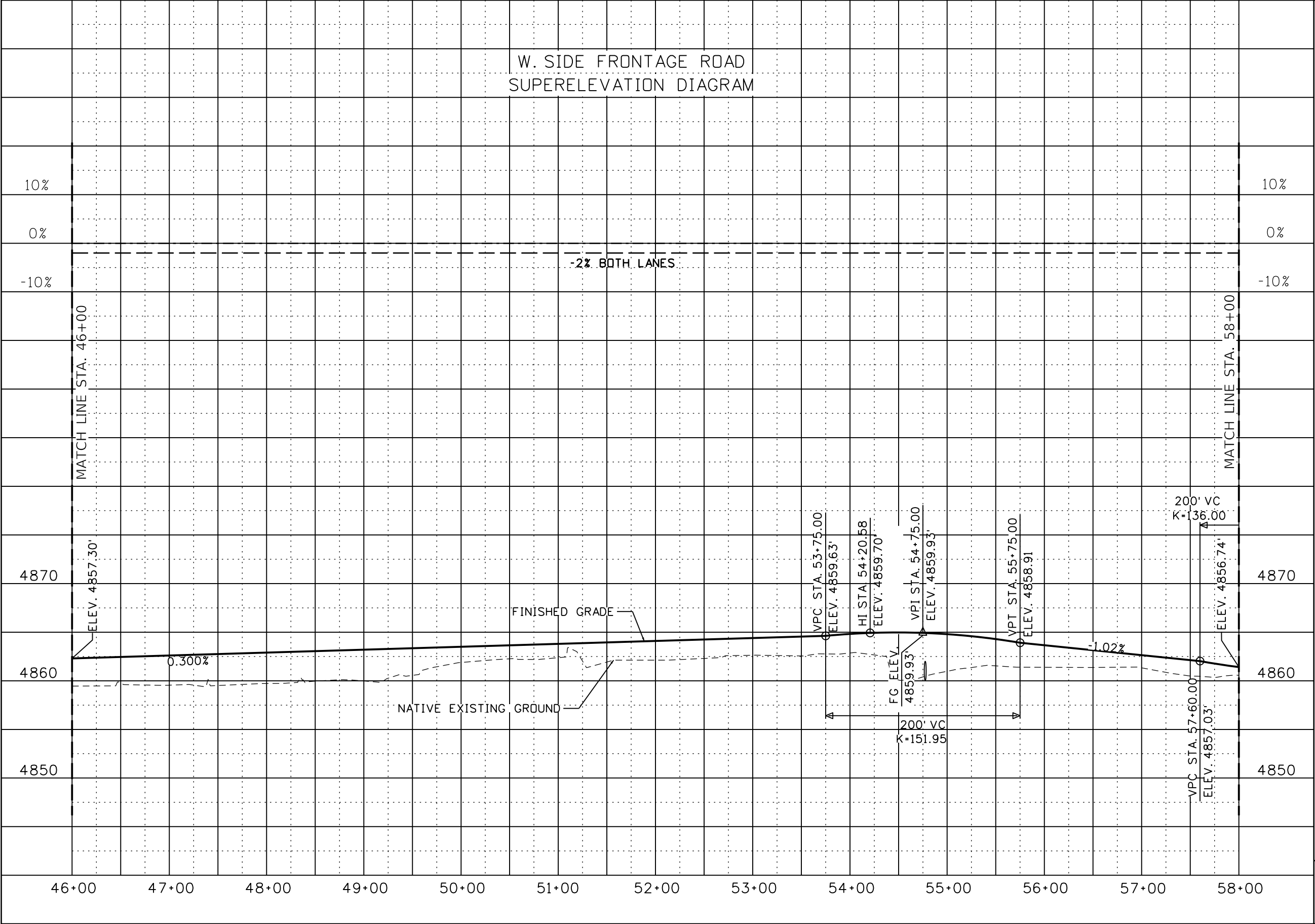
- NOTES:**
- 1. INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - 2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
 - 3. SEE PROFILES FOR SUPERELEVATION INFORMATION
 - 4. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 20599_plan_004_ORD.DGN	DRAWING DATE: February 06, 2026	PROJECT NO. A020(599)	PLAN SHEET W. SIDE FRONTAGE RD. MADISON COUNTY STA. 46+00 TO 58+00	English COUNTY MADISON KEY NUMBER 20599 SHEET 13 OF 67
NO.	DATE	BY	DESCRIPTION							
				DESIGN CHECKED J BAILEY						
				DETAILED J PRICE						
				DRAWING CHECKED K HOOPES						

IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K HOOPES	
DETAILED J BAILEY	CADD FILE NAME 20599_prof_004_ORD.DGN
DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

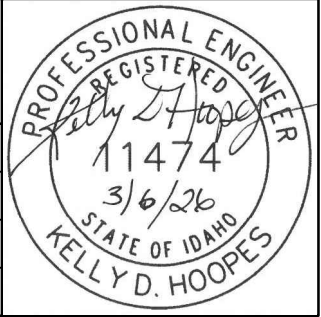


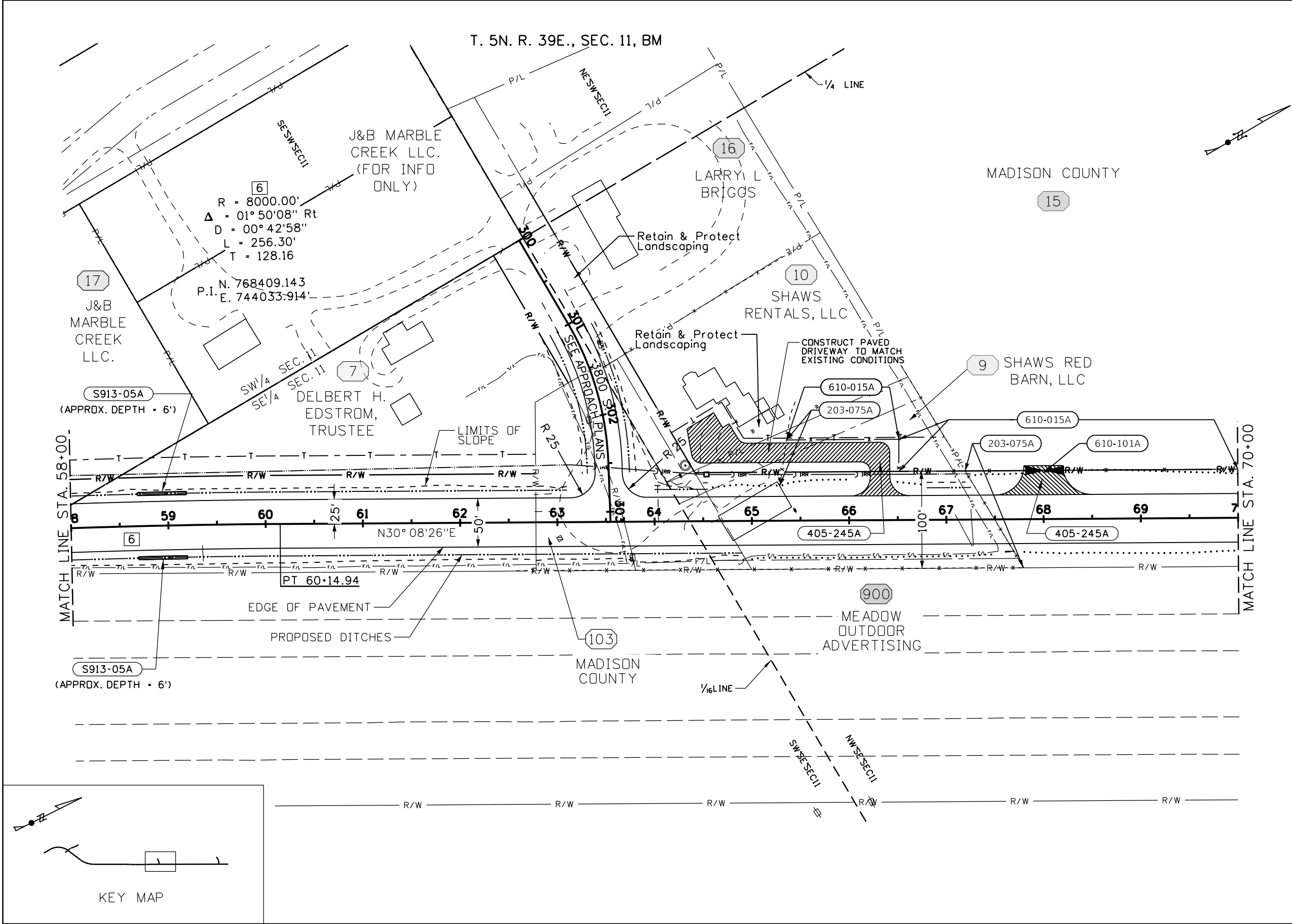
**HORROCKS
ENGINEERS**

PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 46+00 TO 58+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 14 OF 67

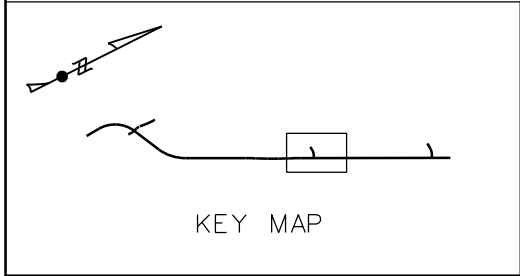




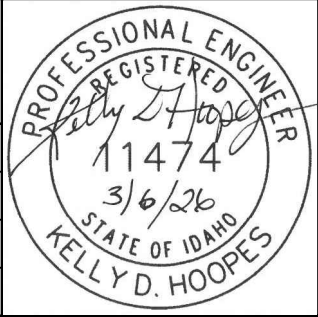
- 203-075A** REMOVAL OF FENCE
- 47.5 FT Sta. 65+28.8, 36' Lt. to Sta. 65+36.2, 83' Lt.
- 116 FT Sta. 67+19.7, 50' Lt. to Sta. 67+78.7, 50' Rt.
- 405-245A** APPROACH
- 1 EACH Sta. 60+40 LT 20' COMMERCIAL
- 1 EACH Sta. 68+00 LT 40' COMMERCIAL
- 610-015A** FENCE TYPE 1 B
- 115.5 FT Sta. 65+36.2, 83' Lt. to Sta. 66+51.7, 83' Lt.
- 33 FT Sta. 66+51.7, 83' Lt. to Sta. 66+51.7, 50' Lt.
- 348.3 FT Sta. 66+51.7, 50' Lt. to Sta. 70+00.0, 50' Lt.
- 610-101A** GATE TYPE 1A
- 2 EACH Sta. 68+00, Lt 20' Gates
- S913-05A** SP (INFILTRATION TRENCH)
- 33 CY Sta. 58+69 Lt. to Sta. 59+19 Lt.
- 33 CY Sta. 58+69 Rt. to Sta. 59+19 Rt.

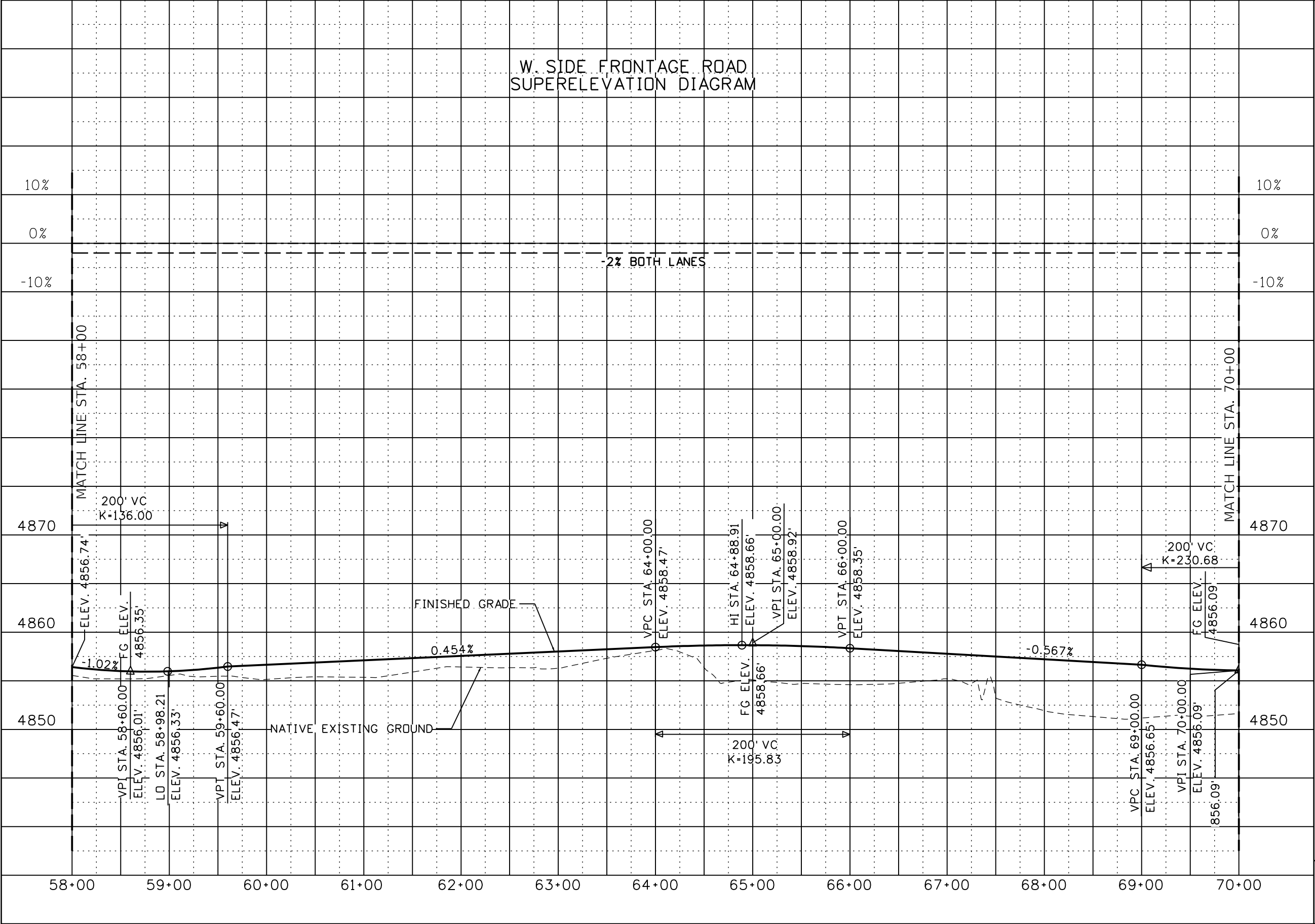
NOTES:

- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
- SEE PROFILES FOR SUPERELEVATION INFORMATION
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.



REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	PROJECT NO. A020(599)	PLAN SHEET W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00	English COUNTY MADISON KEY NUMBER 20599 SHEET 15 OF 67
NO.	DATE	BY	DESCRIPTION					
				DESIGN CHECKED J BAILEY	CADD FILE NAME 20599_plan_005_ORD.DGN	IDaho TRANSPORTATION DEPARTMENT	HORROCKS ENGINEERS	
				DETAILED J PRICE				
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026			





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_005_ORD.DGN
DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

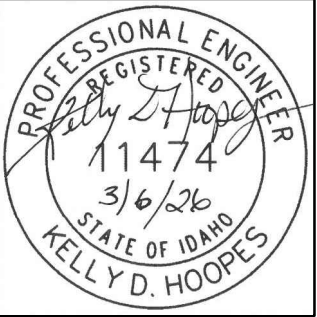
**HORROCKS
ENGINEERS**



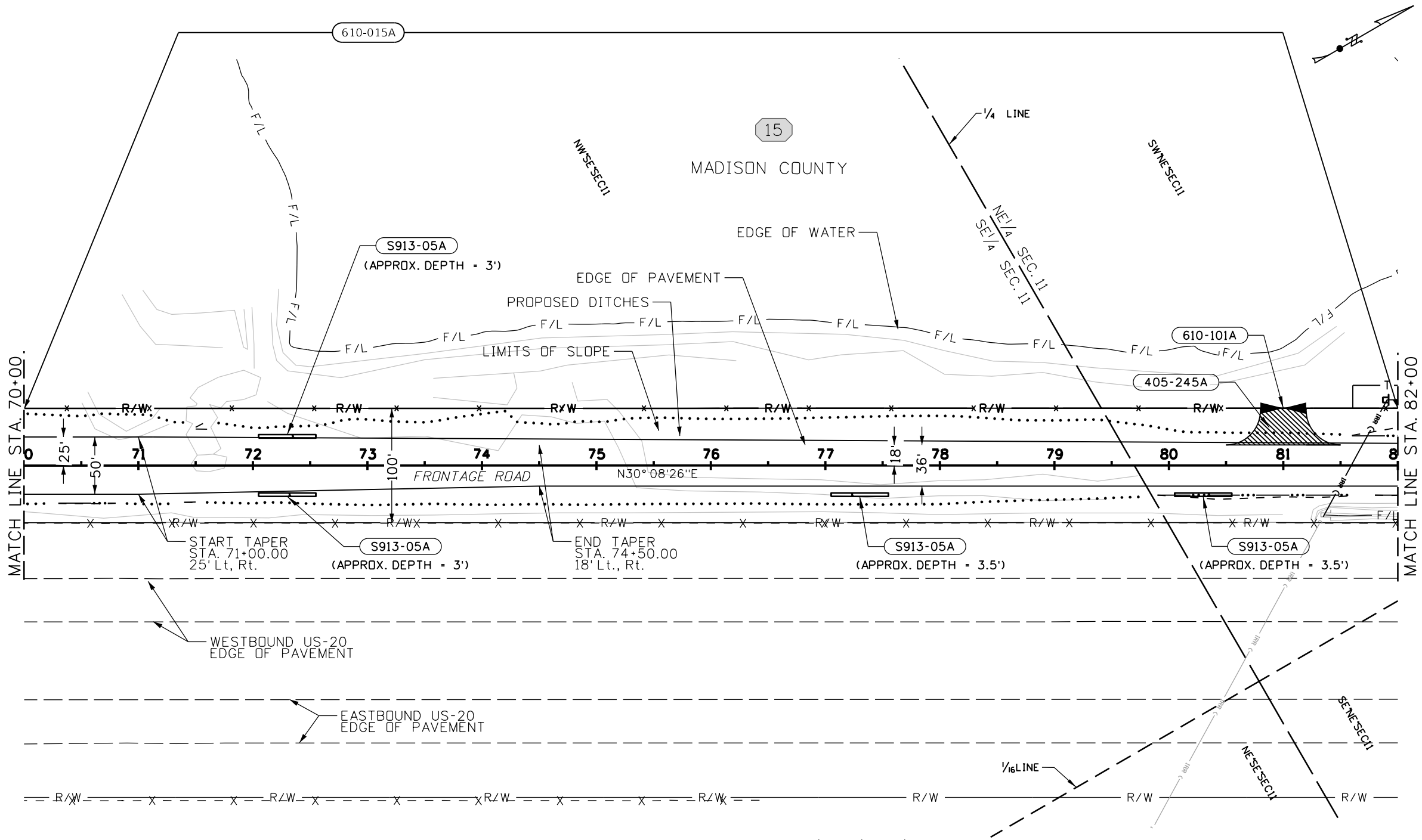
PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 16 OF 67

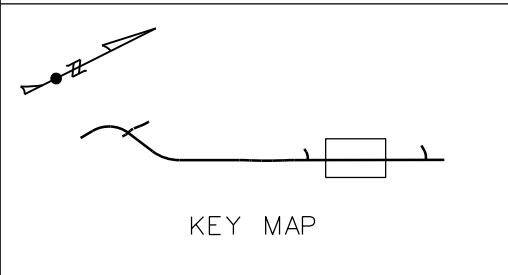


T. 5N. R. 39E., SEC. 11, BM



- 405-245A** APPROACH
1 EACH Sta. 81+00, Lt
40' Commercial
- 610-015A** FENCE TYPE 1B
1160 FT Sta. 70+00, 50' Lt to
Sta. 82+00, 50' Lt.
- 610-101A** GATE TYPE 1A
2 EACH Sta. 81+00, 50' Lt
20' Gates
- S913-05A** SP (INFILTRATION TRENCH)
17 CY Sta. 72+05 Lt. to
Sta. 72+55 Lt.
17 CY Sta. 72+05 Rt. to
Sta. 72+55 Rt.
19 CY Sta. 77+05 Rt. to
Sta. 77+55 Rt.
19 CY Sta. 80+05 Rt. to
Sta. 80+55 Rt.

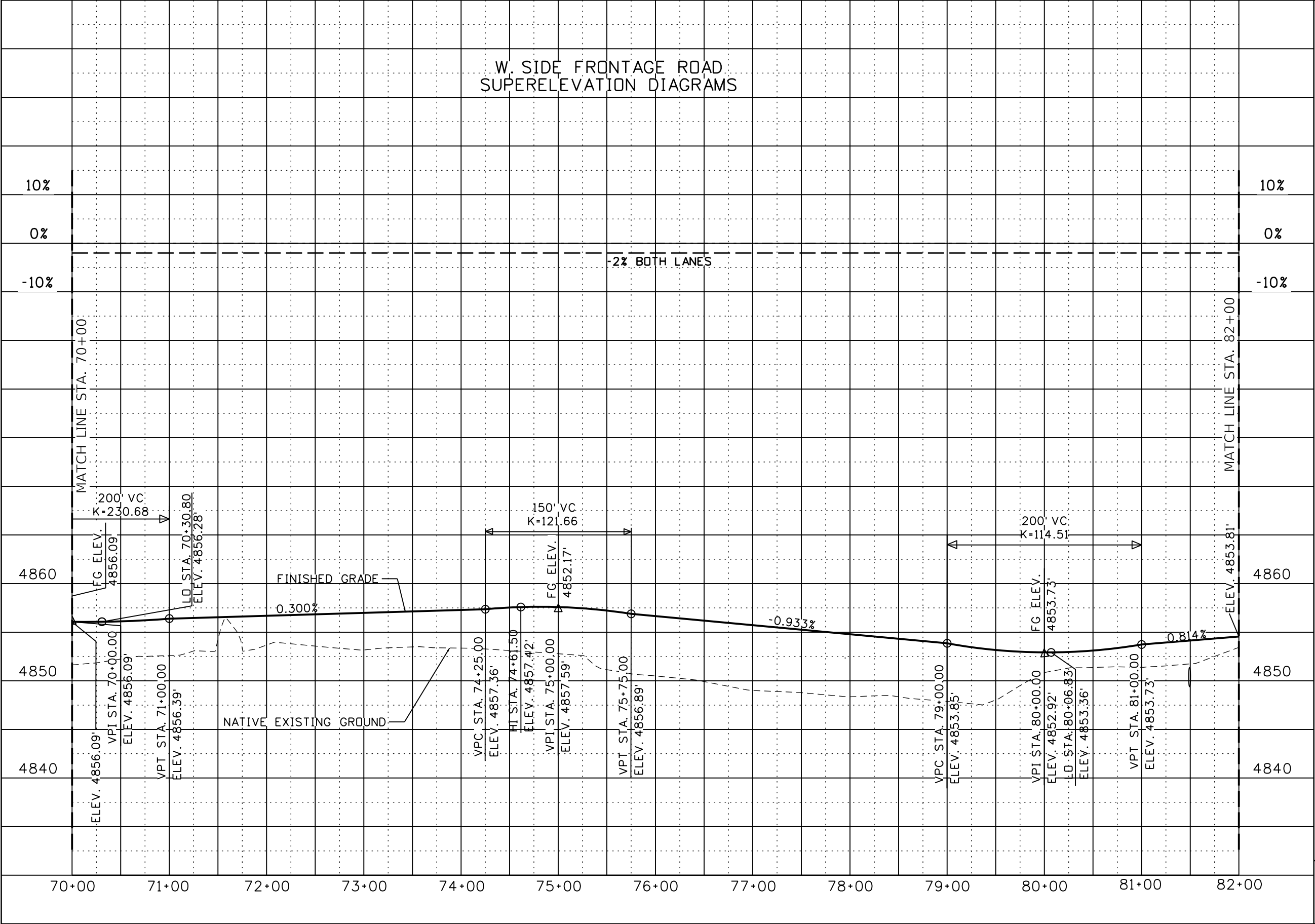
- NOTES:**
- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
 - SEE PROFILES FOR SUPERELEVATION INFORMATION
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.



REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO. A020(599)	PLAN SHEET W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00
NO.	DATE	BY	DESCRIPTION					
				DESIGN CHECKED J BAILEY				
				DETAILED J PRICE	CADD FILE NAME 20599_plan_006_ORD.DGN			
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026	HORROCKS ENGINEERS		

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 17 OF 67





- LEGEND:**
- — — — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_006_ORD.DGN
DRAWING DATE: February 06, 2026

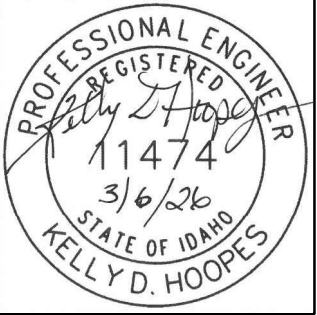
IDAHO
TRANSPORTATION
DEPARTMENT

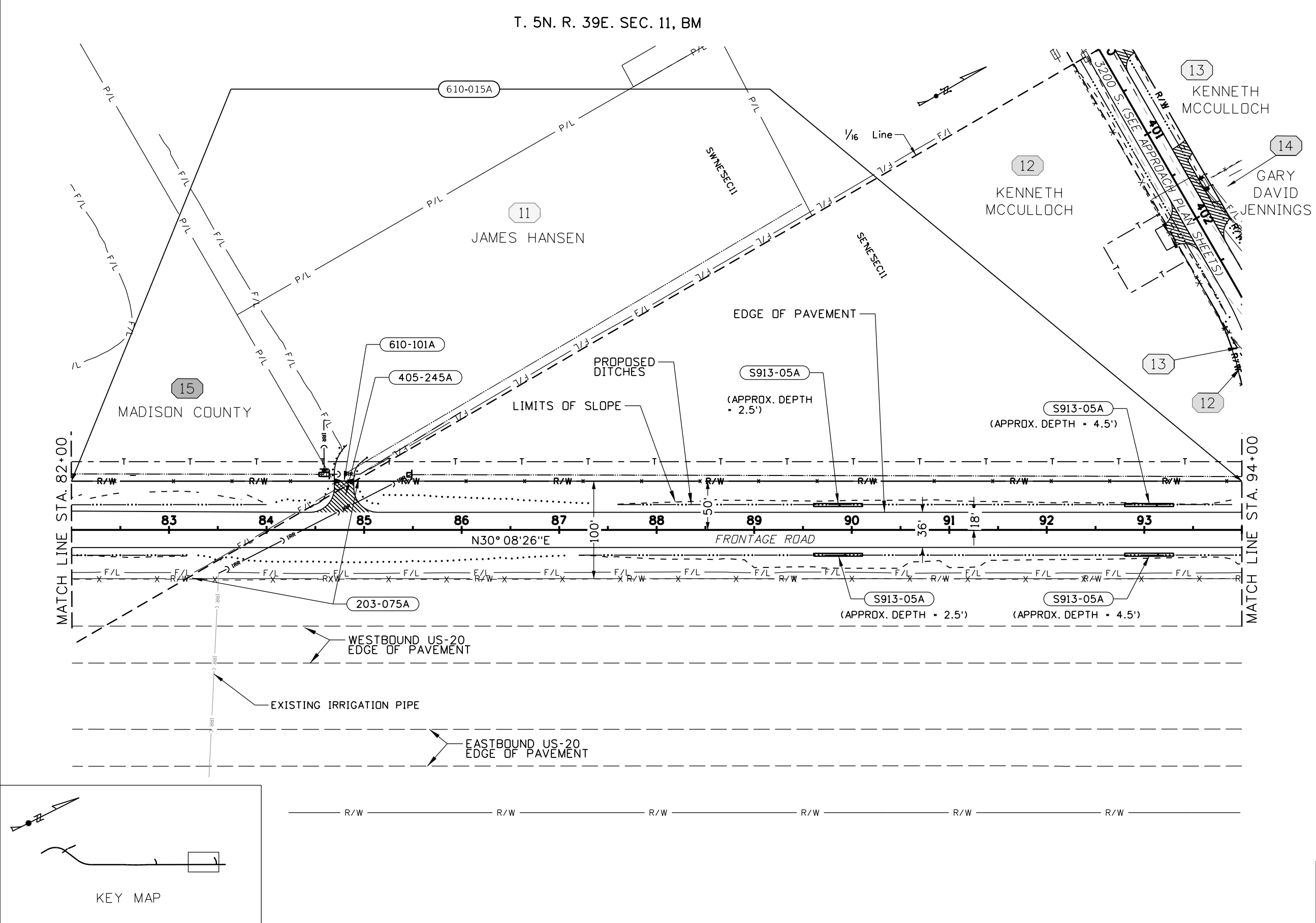
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 18 OF 67





203-075A	REMOVAL OF FENCE
200 FT	Sta. 83+23, Rt. to Sta. 84+94, Lt.
405-245A	APPROACH
1 EACH	Sta. 84+79.4, LT 24' FARM ACCESS
610-015A	FENCE TYPE 1B
1180 FT	Sta. 82+00, 50' Lt. Sta. 94+00, 50' Lt.
610-101A	GATE TYPE 1A
1 EACH	Sta. 84+79.4, Lt 20' Gate
S913-05A	SP (INFILTRATION TRENCH)
14 CY	Sta. 89+61 to Sta. 90+11, Lt.
14 CY	Sta. 89+61 to Sta. 90+11, Rt.
25 CY	Sta. 92+80 to Sta. 93+30, Lt.
25 CY	Sta. 92+80 to Sta. 93+30, Rt.

- NOTES:**
- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
 - SEE PROFILES FOR SUPERELEVATION INFORMATION
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_plan_007_ORD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

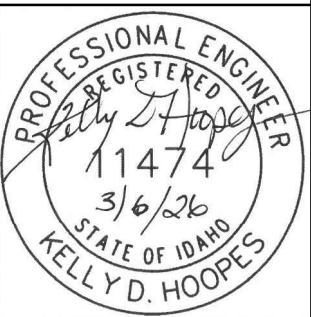
HORROCKS
ENGINEERS

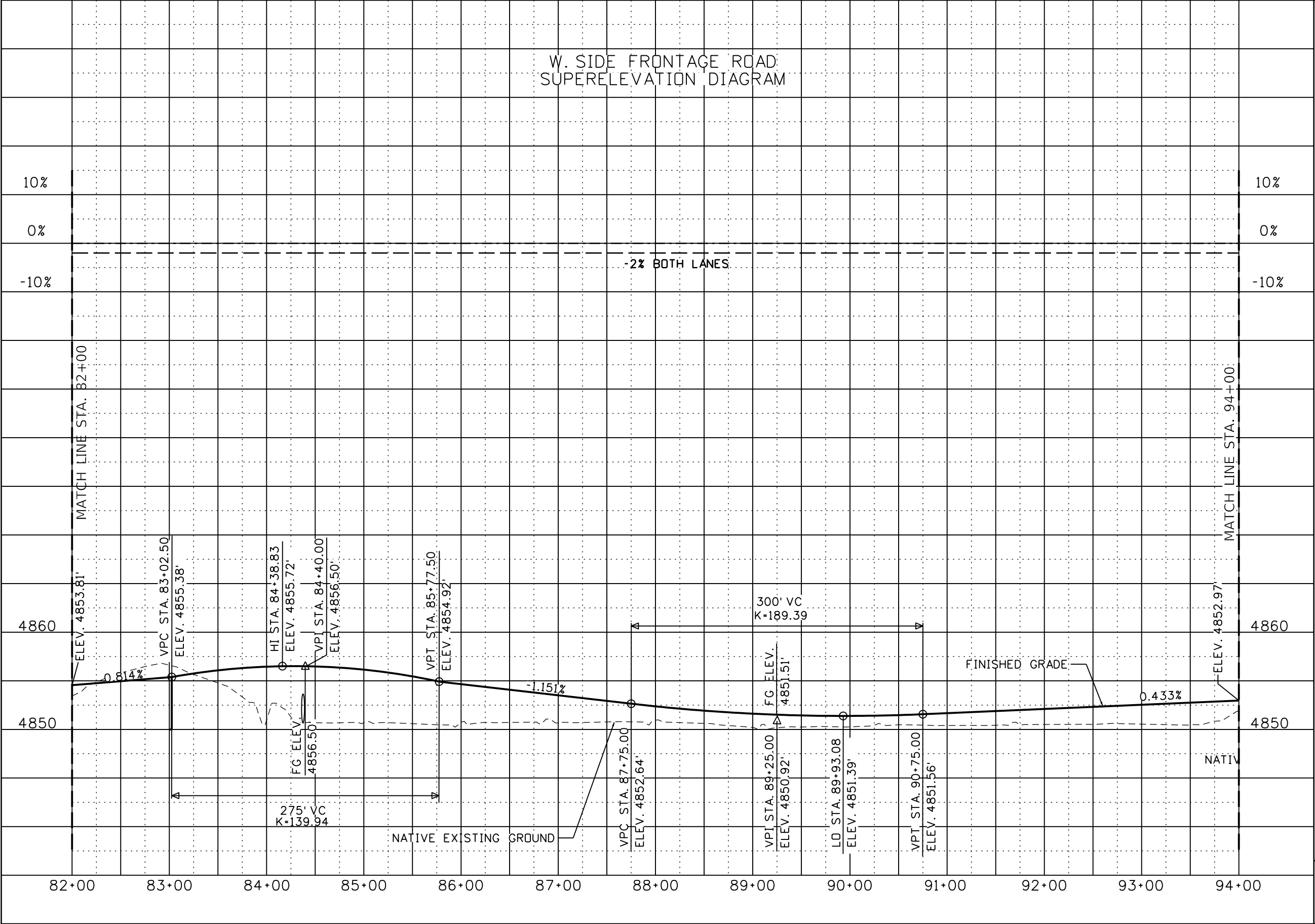


PROJECT NO.
A020(599)

PLAN SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 82+00 TO 94+00

English
COUNTY
MADISON
KEY NUMBER
20599
SHEET 19 OF 67





- LEGEND:**
- LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_007_ORD.DGN
DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

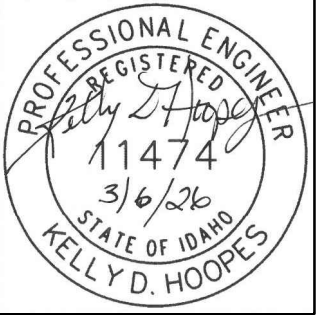
**HORROCKS
ENGINEERS**



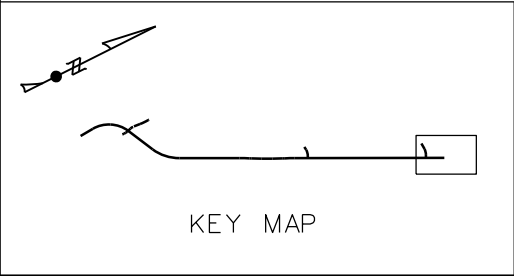
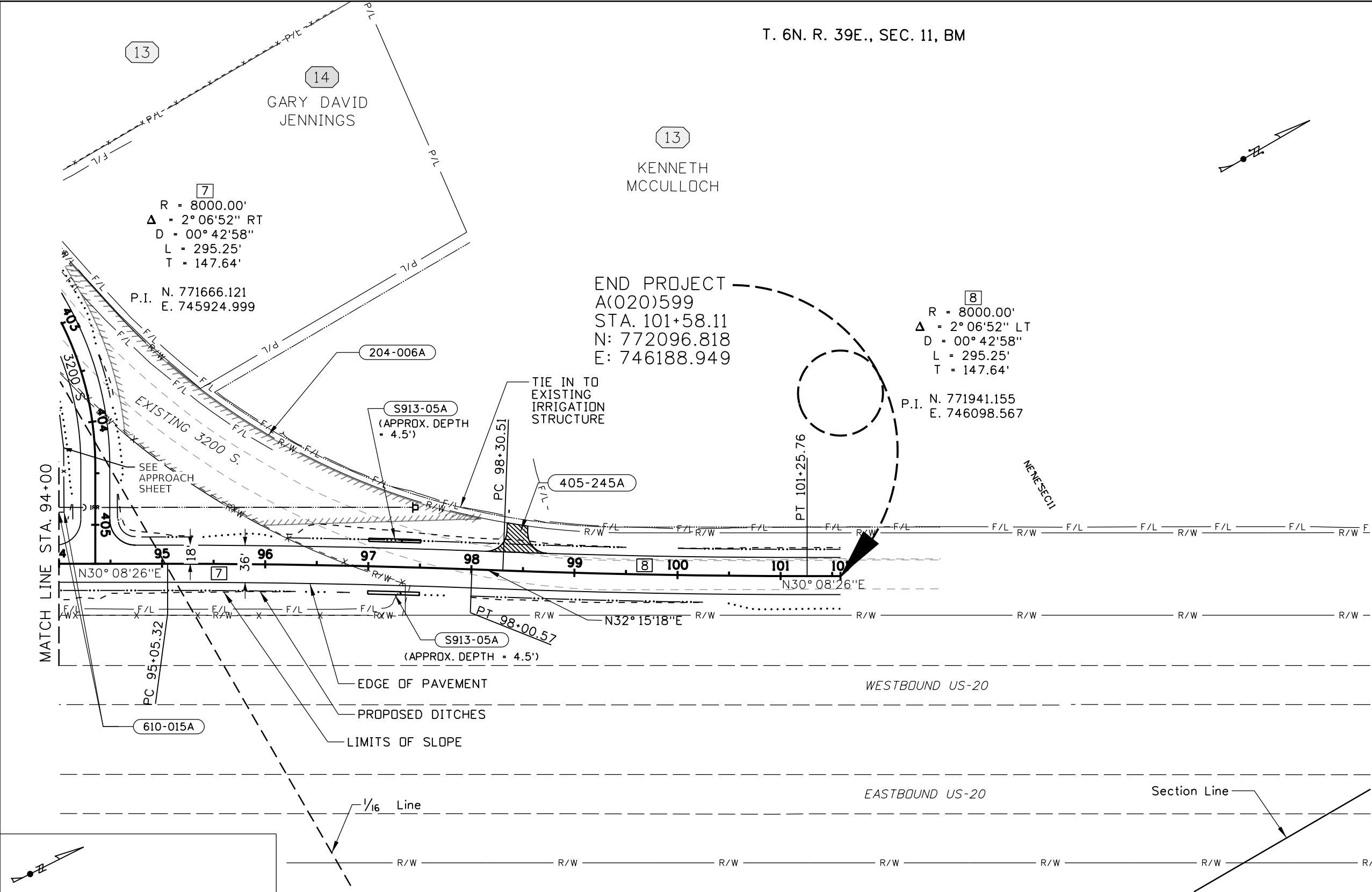
PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 82+00 TO 94+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 20 OF 67



T. 6N. R. 39E., SEC. 11, BM



- 204-006A OBLITERATION OF OLD ROAD
0.75 LS Sta. 94+00 to Sta. 98+00, Lt.
- 405-245A APPROACH
1 EACH Sta. 98+43 Lt. 20' FARM FIELD
- 610-015A FENCE TYPE 1B
5 FT Sta. 94+00, 50' Lt. to Sta. 94+05, 50' Lt.
- S913-05A SP (INFILTRATION TRENCH)
25 CY Sta. 97+00 Lt. to Sta. 97+50 Lt.
25 CY Sta. 97+00 Rt. to Sta. 97+50 Rt.

NOTES:

- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD ALIGNMENT AND QUANTITY INFORMATION.
- SEE PROFILES FOR SUPERELEVATION INFORMATION
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_plan_008_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

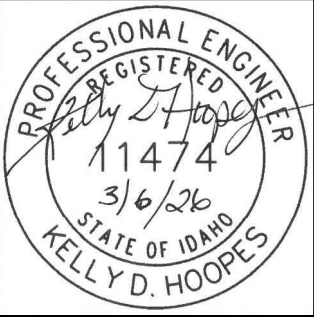
IDAHO TRANSPORTATION DEPARTMENT

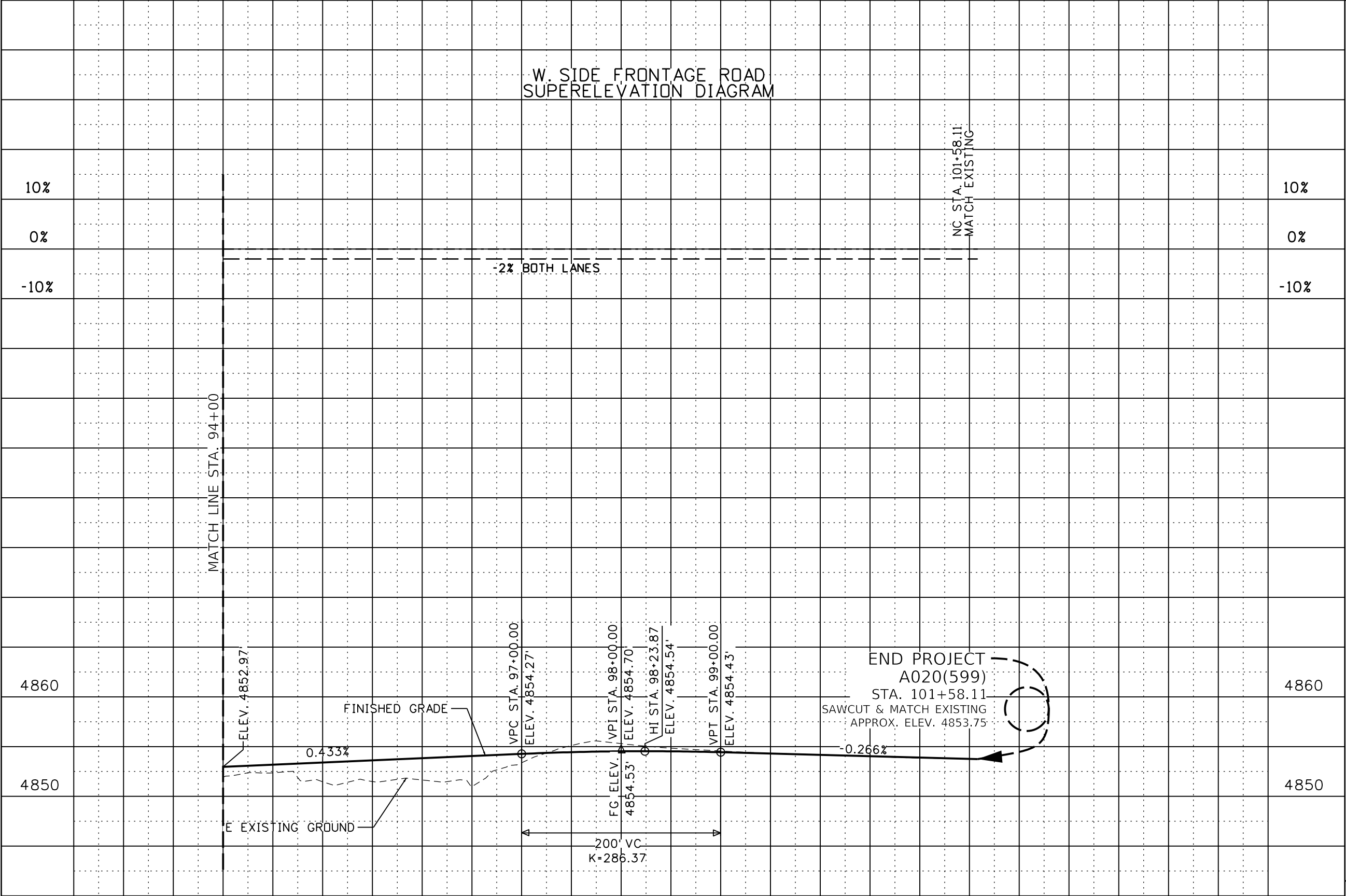
HORROCKS ENGINEERS

PROJECT NO.
A020(599)

PLAN SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 94+00 TO 101+58.11

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 21 OF 67





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_008_ORD.DGN
DRAWING DATE: February 06, 2026

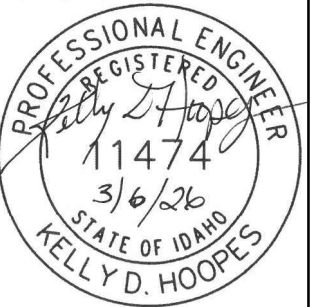
IDAHO
TRANSPORTATION
DEPARTMENT

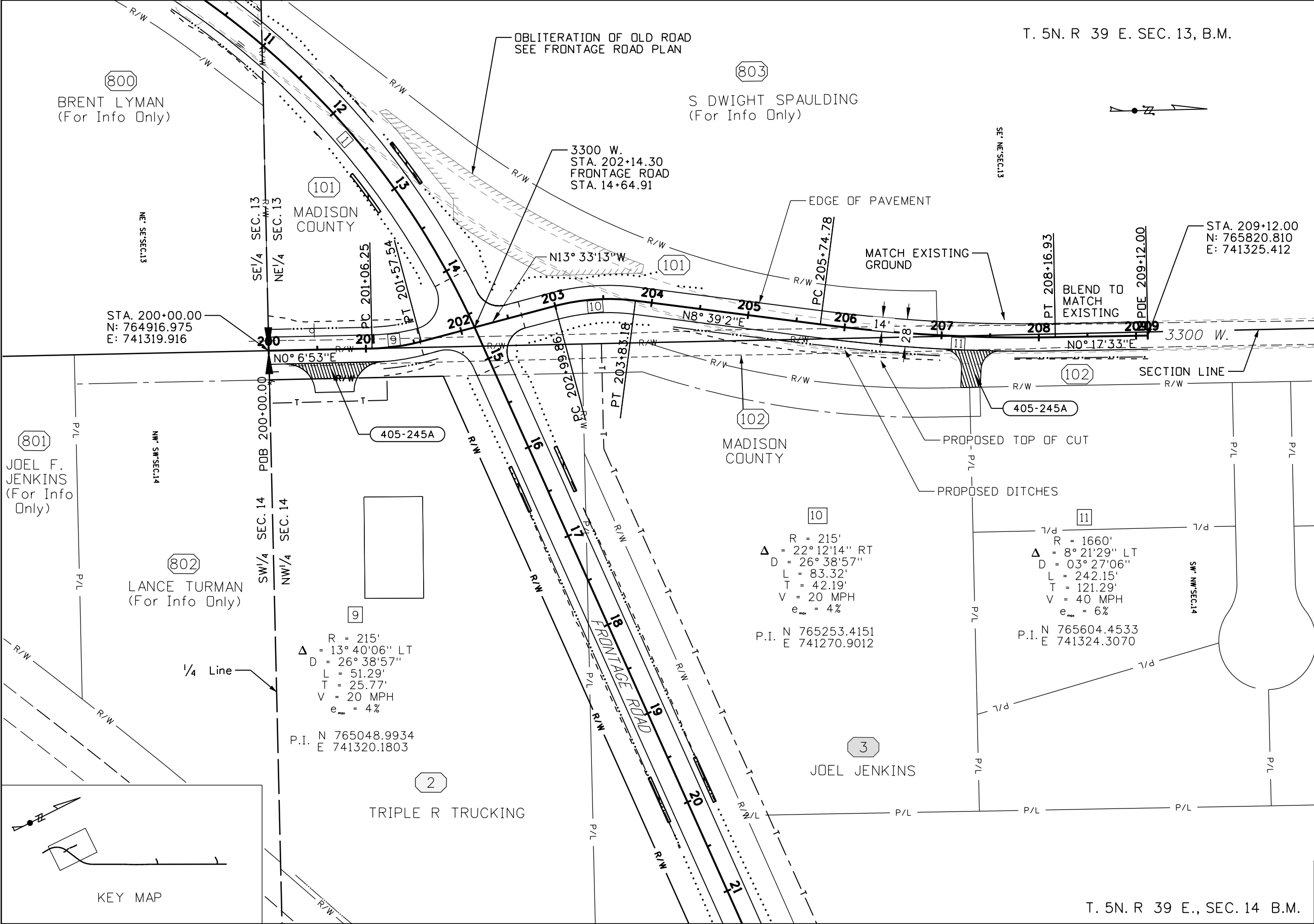
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 94+00 TO 101+58.11

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 22 OF 67





405-245A APPROACH		
1	EACH	Sta. 200+67 Rt. 40' HEAVY COMMERCIAL
1	EACH	Sta. 207+32 Rt. 20' FARM FIELD

- NOTES:**
- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - SEE FRONTAGE ROAD PLAN SHEETS FOR MAINLINE ALIGNMENT AND QUANTITY INFORMATION.
 - SEE PROFILES FOR SUPERELEVATION INFORMATION
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_plan_009_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

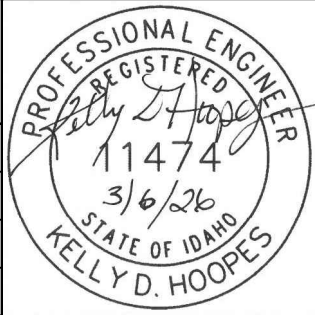
HORROCKS ENGINEERS

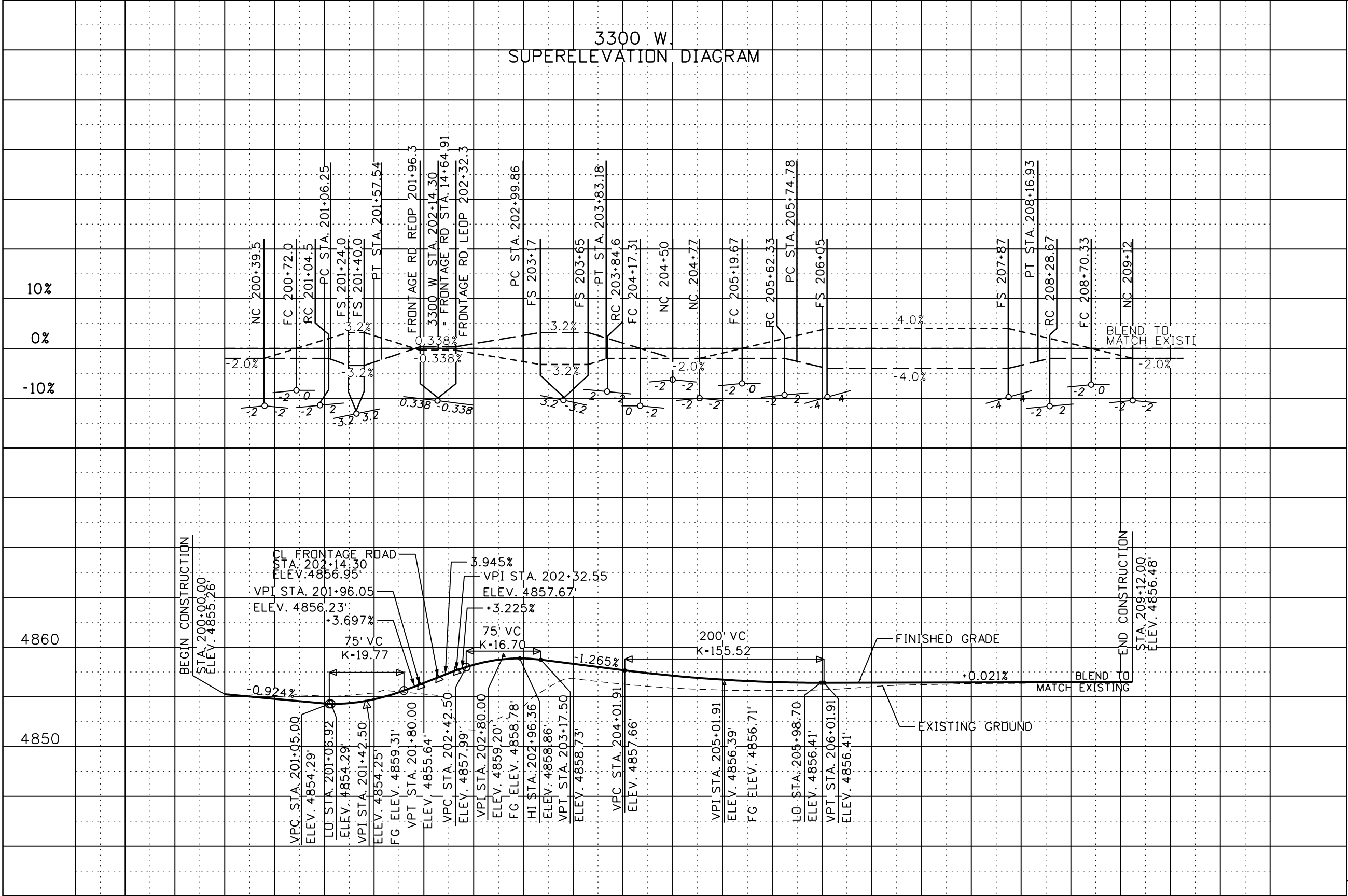
IDAHO TRANSPORTATION DEPARTMENT

PROJECT NO.
A020(599)

APPROACH PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 200+00 TO 209+12.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 23 OF 67





- LEGEND:
- LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_009_ORD.DGN
DRAWING DATE: February 06, 2026

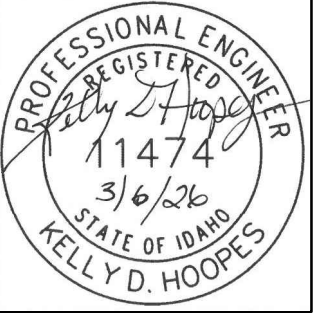
IDAHO
TRANSPORTATION
DEPARTMENT

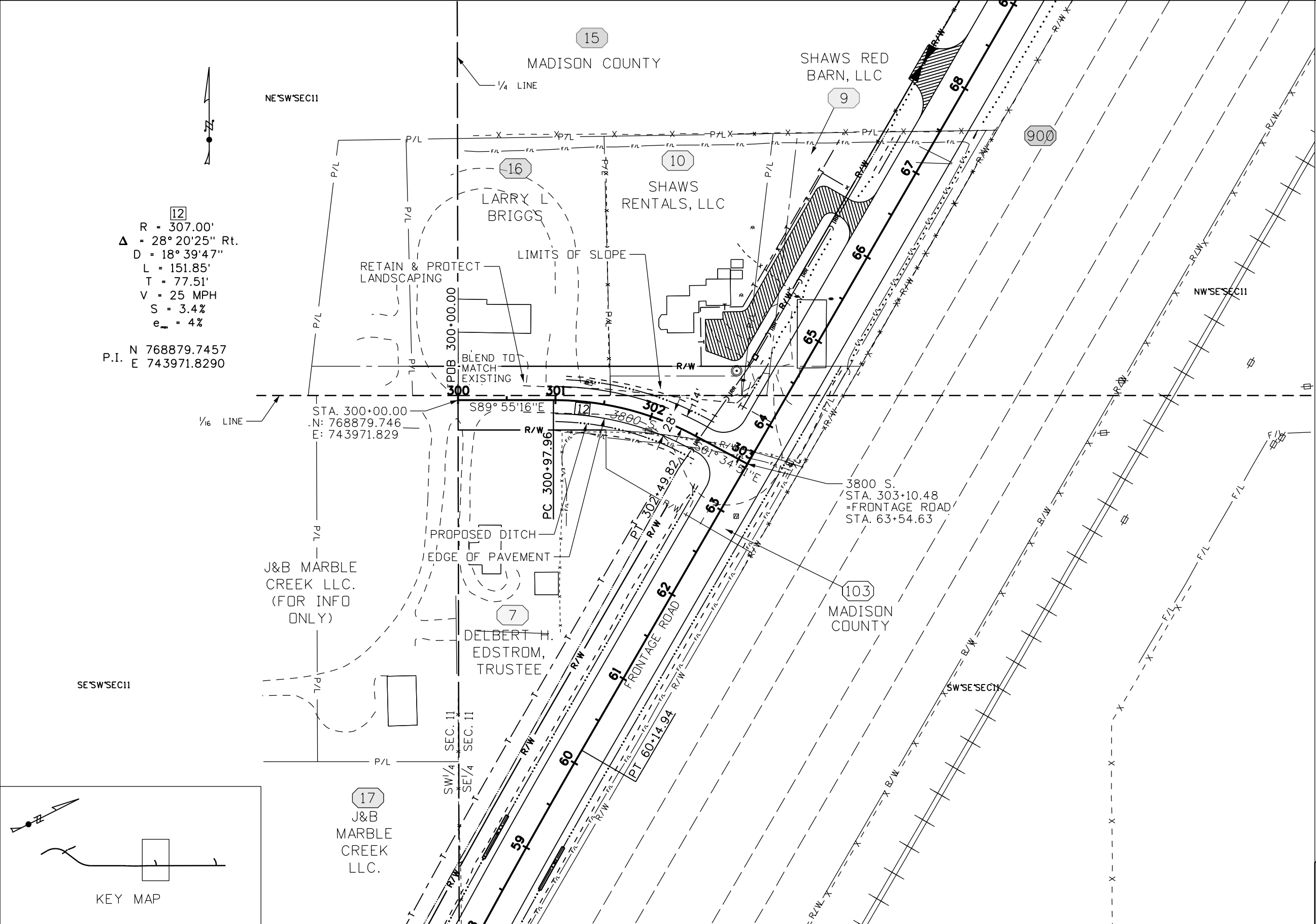
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

APPROACH PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 200+00 TO 209+12.00

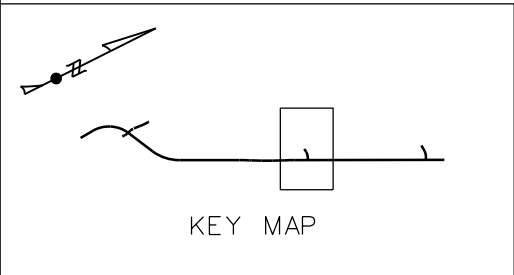
English
COUNTY MADISON
KEY NUMBER 20599
SHEET 24 OF 67



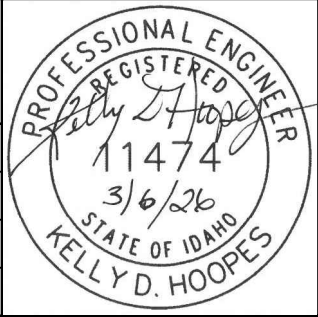


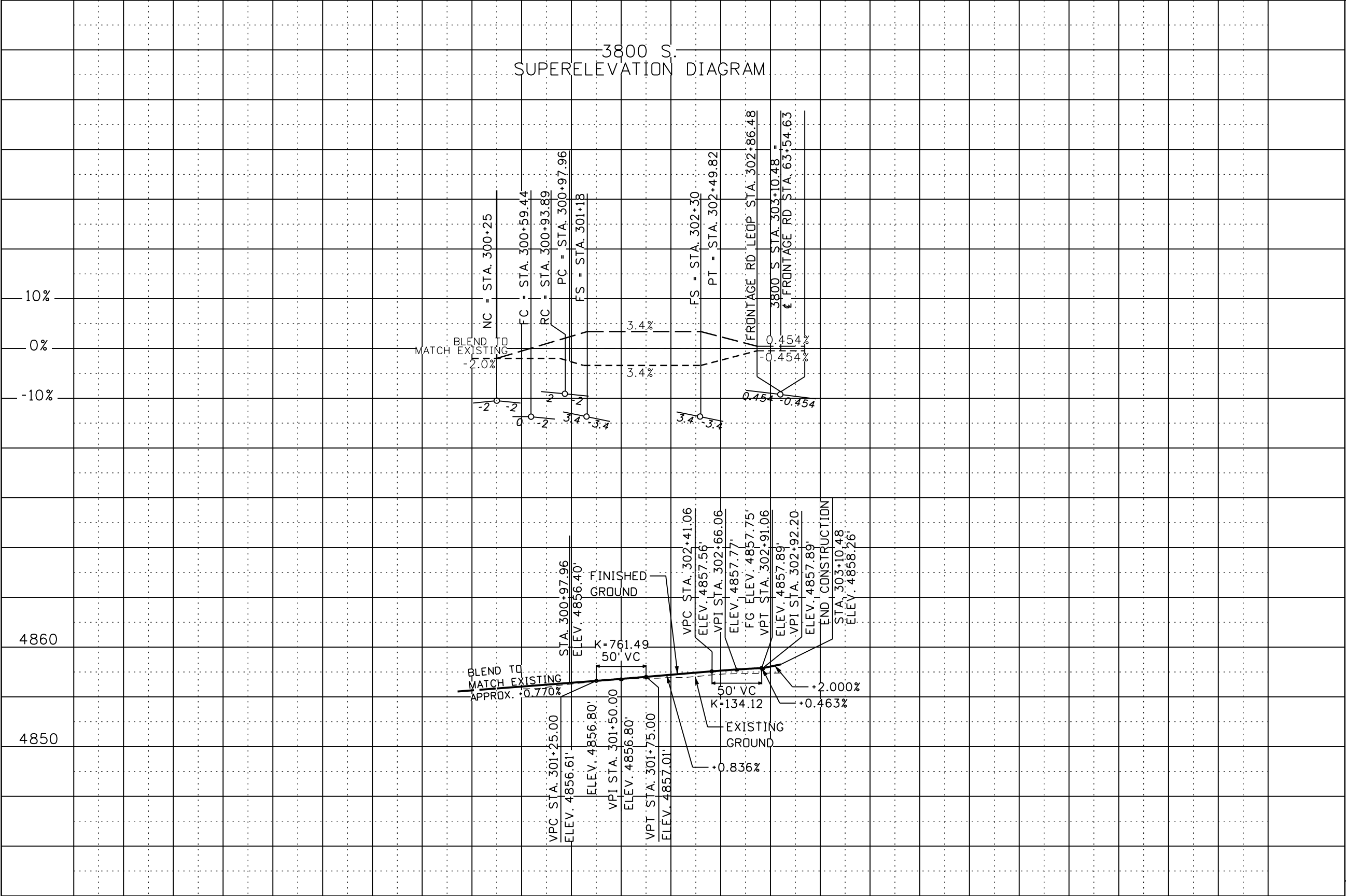
12
R = 307.00'
Δ = 28° 20' 25" Rt.
D = 18° 39' 47"
L = 151.85'
T = 77.51'
V = 25 MPH
S = 3.4%
e_m = 4%
P.I. N 768879.7457
E 743971.8290

- NOTES:**
- 1. INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - 2. SEE FRONTAGE ROAD PLAN SHEETS FOR MAINLINE ALIGNMENT AND QUANTITY INFORMATION.
 - 3. SEE PROFILES FOR SUPERELEVATION INFORMATION
 - 4. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.



REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO. A020(599)	APPROACH PLAN W. SIDE FRONTAGE RD. MADISON COUNTY STA. 300+00 TO 303+12	English COUNTY MADISON KEY NUMBER 20599 SHEET 25 OF 67
NO.	DATE	BY	DESCRIPTION						
				DESIGN CHECKED J BAILEY					
				DETAILED J PRICE					
				DRAWING CHECKED K HOOPES	CADD FILE NAME 20599_plan_010_ORD.DGN				
					DRAWING DATE: February 06, 2026				





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

300+00 301+00 302+00 303+00

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_prof_010_ORO.DGN
DRAWING DATE: February 06, 2026

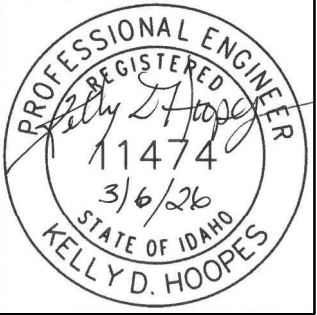
IDAHO
TRANSPORTATION
DEPARTMENT

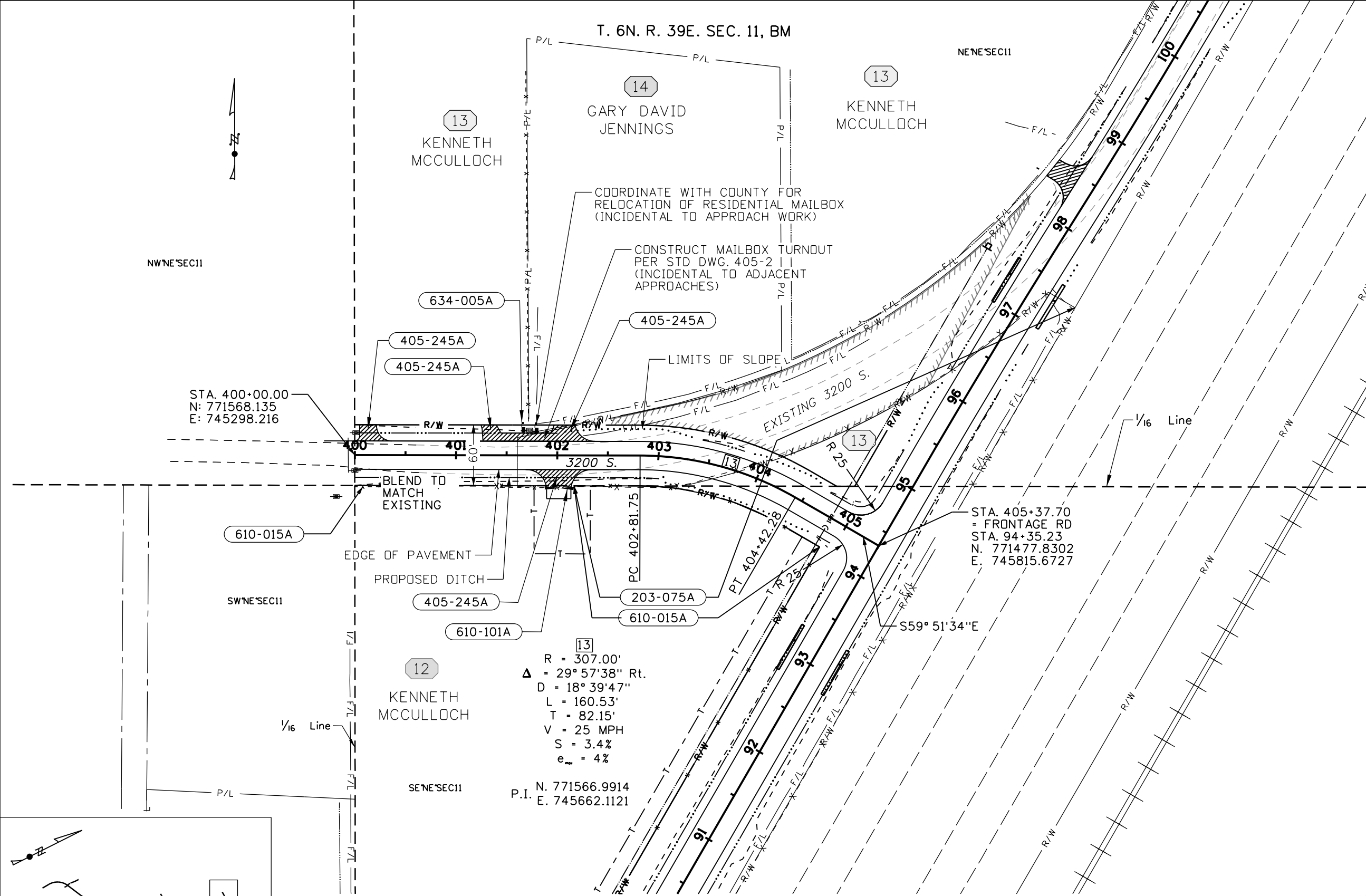
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

APPROACH PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 300+00 TO 303+12

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 26 OF 67





- 203-075A** REMOVE FENCE
590 FT STA 402+16.6, 30' Rt to STA 97+37.2, 50' Rt
- 405-245A** APPROACH
1 EACH STA 400+13 LT 17' SINGLE RESIDENCE MATCH EXISTING
1 EACH STA 401+32 LT 15' SINGLE RESIDENCE MATCH EXISTING INCLUDES MAILBOX TURNOUT
1 EACH STA 402+01 RT 24' FARM FIELD
1 EACH STA 402+07 LT 19' SINGLE RESIDENCE MATCH EXISTING INCLUDES MAILBOX RELOCATION
- 610-015A** FENCE TYPE 1B
487.7FT STA 400+00.00, 30' Rt to STA. 404+87.7, 30' Rt
- 610-101A** GATE TY 1A
1 EACH STA 402+01 RT
- 634-005A** MAILBOX
1 EACH STA 401+32 LT

- NOTES:**
- INFILTRATION TRENCH DEPTHS ARE APPROXIMATE. DEPTH SHALL EXTEND ONE FOOT INTO COARSE GRAVEL.
 - SEE FRONTAGE ROAD PLAN SHEETS FOR MAINLINE ALIGNMENT AND QUANTITY INFORMATION.
 - SEE PROFILES FOR SUPERELEVATION INFORMATION
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_plan_011_ORD
DRAWING DATE:	March 10, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

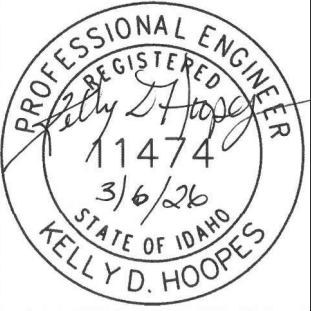


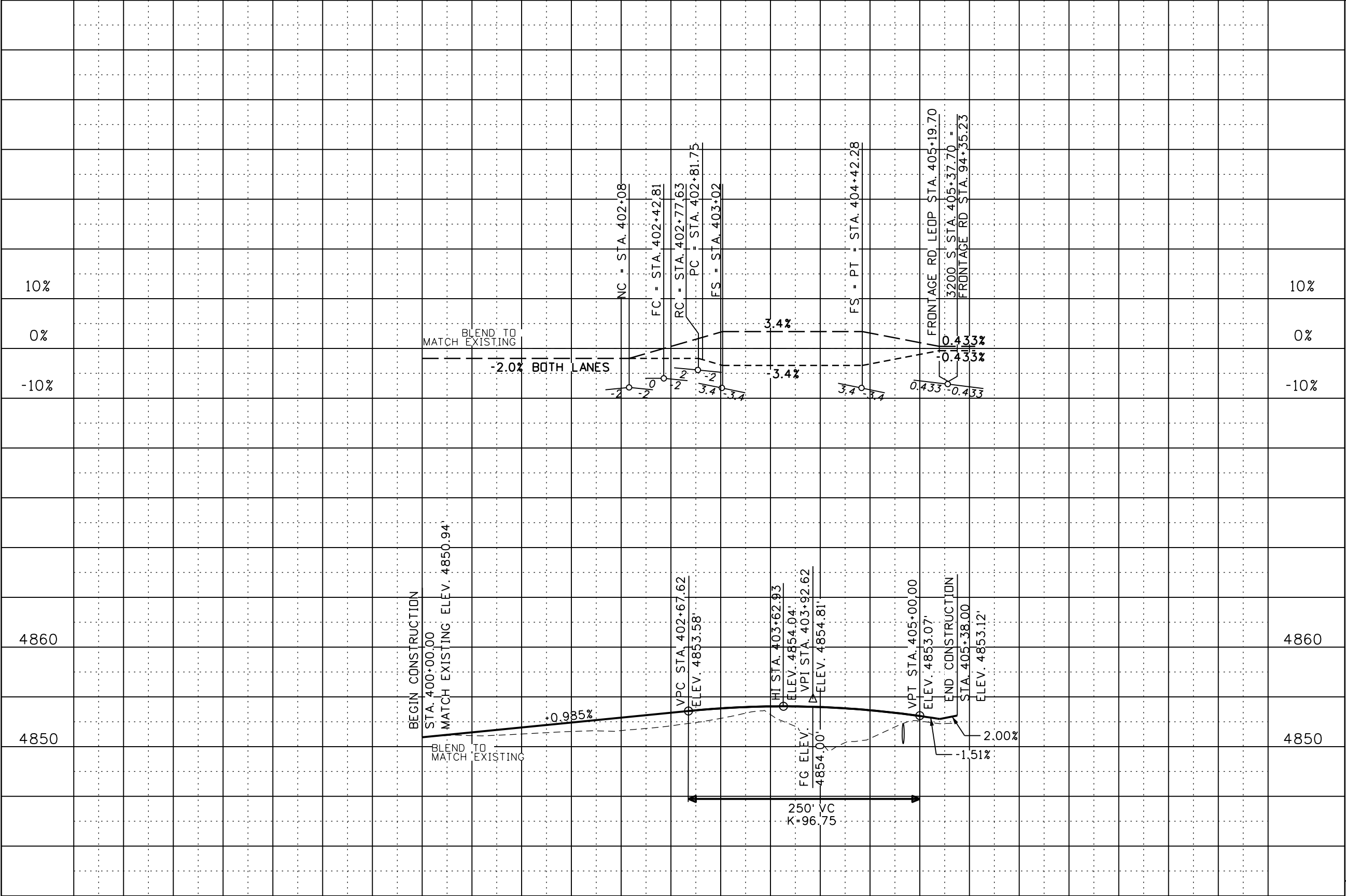


PROJECT NO.
A020(599)

APPROACH PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 400+00 TO 405+38.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 27 OF 67





- LEGEND:**
- — — LEFT EDGE OF PAVEMENT (LEOP) SUPERELEVATION
 - - - - - RIGHT EDGE OF PAVEMENT (REOP) SUPERELEVATION
 - - - - - ZERO CROSSLOPE AXIS
 - FS FULL SUPERELEVATION
 - RC REVERSE CROWN
 - FC FLAT CROWN
 - NC NORMAL CROWN
 - PC POINT OF HORIZONTAL CURVE
 - PT POINT OF HORIZONTAL TANGENT
 - FG FINISHED GRADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
20599_prof_011_DWG.DGN

DRAWING DATE:
February 06, 2026

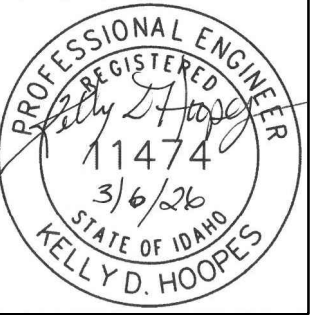
IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

APPROACH PROFILE SHEET
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 400+00 TO 405+38.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 28 OF 67



T. 5N. R 39 E., SEC. 13 B.M.

T. 5N. R 39 E., SEC. 14 B.M.

BEGIN PROJECT NO.
A020(599)
STA. 10+00.00
=STA. 406+30.87
PROJECT NO. NH-6470(129)
N: 764840.448
E: 740944.191

621-005A
621-010A
621-015A
621-025A
621-035A

213-010A

213-010A

213-010A

621-005A
621-010A
621-015A
621-025A
621-035A

621-005A
621-010A
621-015A
621-025A
621-035A

213-010A

621-005A
621-010A
621-015A
621-025A
621-035A

621-005A
621-010A
621-015A
621-025A
621-035A

213-010A TOPSOIL (PLAN QUANTITY)

858 SY Sta. 11+21 Rt. to
Sta. 14+36, Rt.
1378 SY Sta. 10+57 Lt. to
Sta. 14+00, Lt.
1284 SY Sta. 10+57 Lt. to
Sta. 14+56, Lt.
2267 SY Sta. 14+75 Rt. to
Sta. 22+00, Rt.
2217 SY Sta. 14+91 Lt. to
Sta. 22+00, Lt.

621-005A SEED BED PREP (PLAN QUANTITY)

621-010A SEEDING (PLAN QUANTITY)

621-015A MULCHING (PLAN QUANTITY)

621-025A MULCH ANCHORING
TACKIFIER (PLAN QUANTITY)

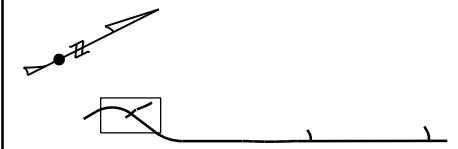
621-035A FERTILIZING (PLAN QUANTITY)

0.177 AC Sta. 11+21 Rt. to
Sta. 14+36, Rt.
0.285 AC Sta. 10+57 Lt. to
Sta. 14+00, Lt.
0.265 AC Sta. 10+57 Lt. to
Sta. 14+56, Lt.
0.468 AC Sta. 14+75, Rt. to
Sta. 22+00, Rt.
0.458 AC Sta. 14+91, Lt. to
Sta. 22+00, Lt.

NOTES:

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS



KEY MAP

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE
DESIGN CHECKED J BAILEY
DETAILED J BAILEY
DRAWING CHECKED K HOOPES

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
20599_ESCP_001.DGN
DRAWING DATE:
February 06, 2026

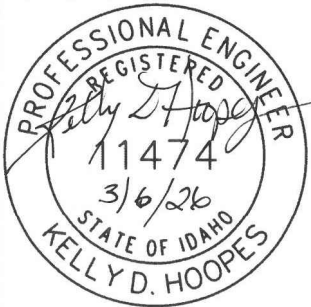
IDAHO
TRANSPORTATION
DEPARTMENT

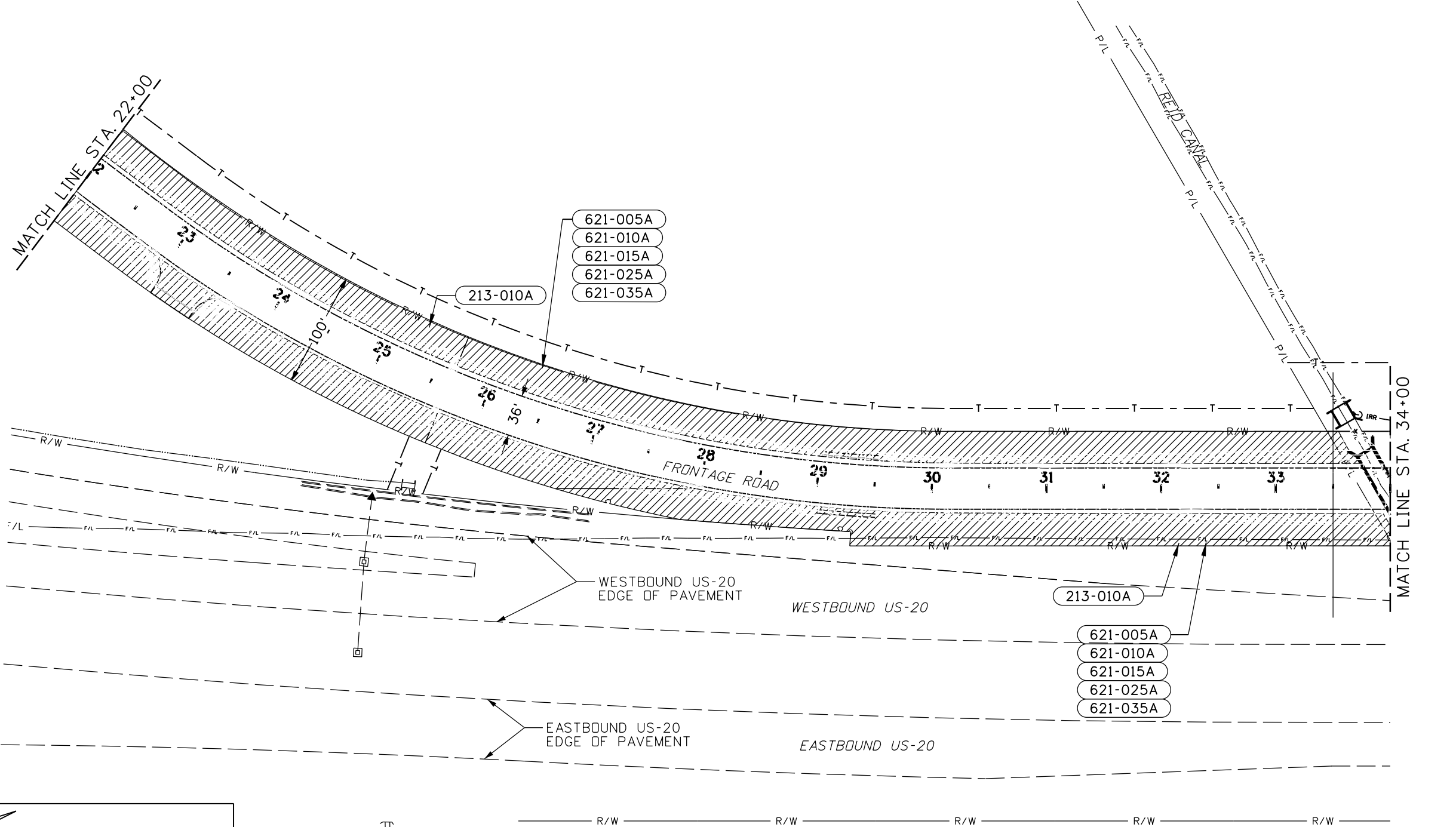
HORROCKS
ENGINEERS

IDAHO
TRANSPORTATION
DEPARTMENT

PROJECT NO.	STORMWATER POLLUTION PREVENTION PLAN
A020(599)	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 10+00 TO 22+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 29 OF 67

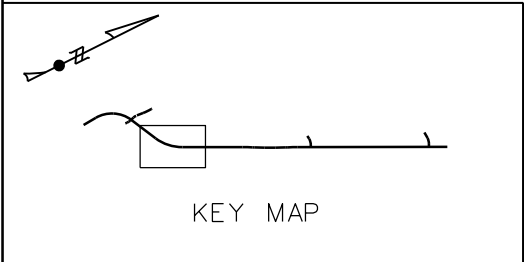




213-010A	TOPSOIL (PLAN QUANTITY)
3815 SY	Sta. 22+00, Rt. to Sta. 34+00, Rt.
3490 SY	Sta. 22+00, Lt. to Sta. 33+76, Lt.
621-005A	SEED BED PREP (PLAN QUANTITY)
621-010A	SEEDING (PLAN QUANTITY)
621-015A	MULCHING (PLAN QUANTITY)
621-025A	MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
621-035A	FERTILIZING (PLAN QUANTITY)
0.788 AC	Sta. 22+00, Rt. to Sta. 34+00, Rt.
0.721 AC	Sta. 22+00, Lt. to Sta. 33+76, Lt.

- NOTES:**
- SEE PLANS FOR ALIGNMENT INFORMATION
 - SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

 ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_escp_002.DGN
DRAWING DATE:	February 06, 2026

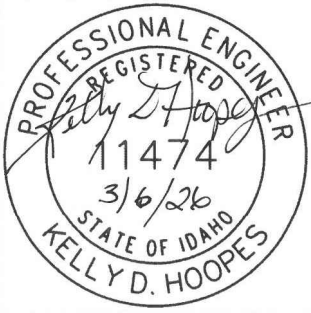
IDAHO
TRANSPORTATION
DEPARTMENT



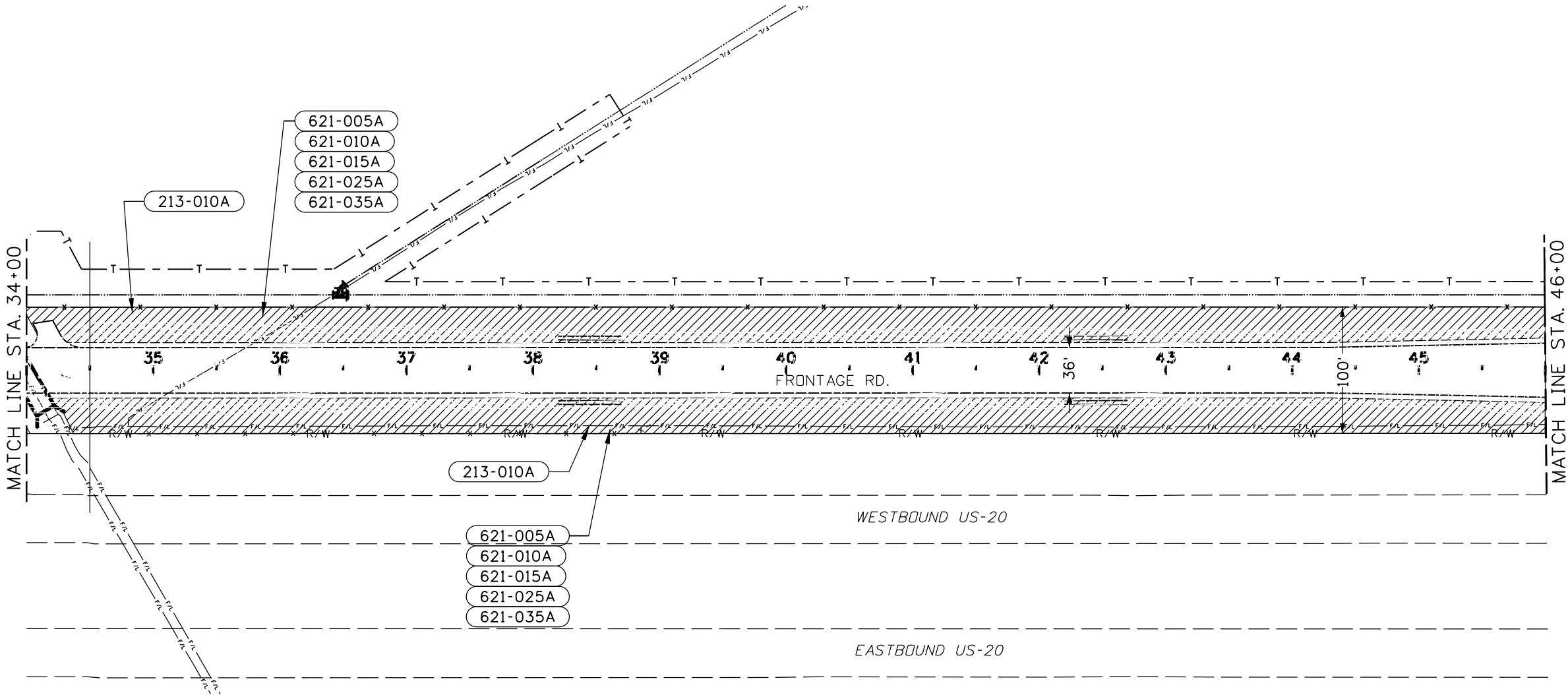
HORROCKS
ENGINEERS

PROJECT NO.	STORMWATER POLLUTION PREVENTION PLAN
A020(599)	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 22+00 TO 34+00

English	
COUNTY	MADISON
KEY NUMBER	20599
SHEET	30 OF 67



T. 5N. R 39 E., SEC. 14, B.M.

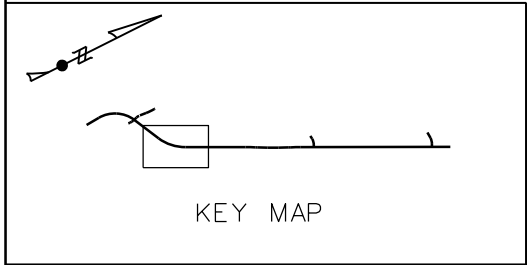


- (213-010A) TOPSOIL (PLAN QUANTITY)
3664 SY Sta. 34+00, Lt. to Sta. 46+00, Lt.
3621 SY Sta. 34+21, Rt. to Sta. 46+00, Rt.
- (621-005A) SEED BED PREP (PLAN QUANTITY)
- (621-010A) SEEDING (PLAN QUANTITY)
- (621-015A) MULCHING (PLAN QUANTITY)
- (621-025A) MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
- (621-035A) FERTILIZING (PLAN QUANTITY)
- 0.757 AC Sta. 34+00, Lt. to Sta. 46+00, Lt.
0.748 AC Sta. 34+21, Rt. to Sta. 46+00, Rt.

NOTES:

- SEE PLANS FOR ALIGNMENT INFORMATION
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_escp_003.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

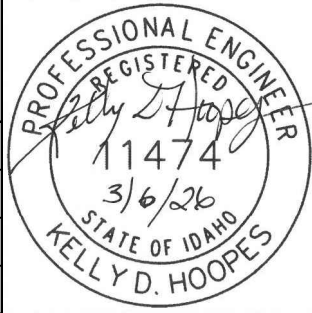
IDAHO TRANSPORTATION DEPARTMENT

HORROCKS ENGINEERS

PROJECT NO.
A020(599)

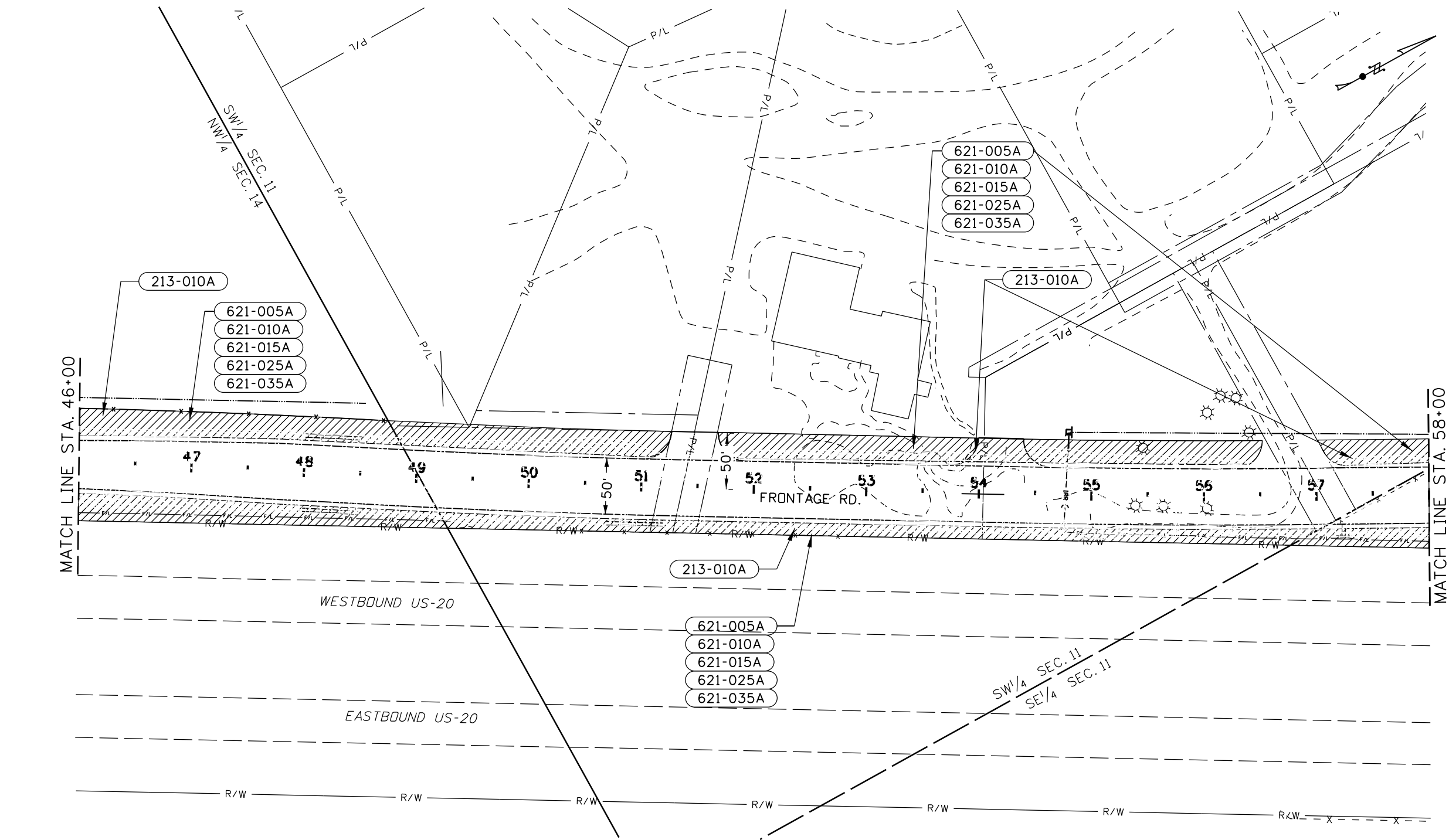
STORMWATER POLLUTION PREVENTION PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 34+00 TO 46+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 31 OF 67



T. 6N. R. 39E., Sec. 14 BM

T. 6N. R. 39E., SEC. 11 BM

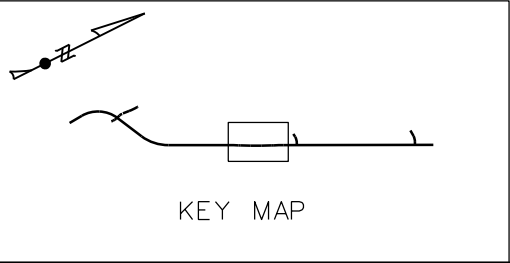


- (213-010A) TOPSOIL (PLAN QUANTITY)
- 1902 SY Sta. 46+00 Rt. to Sta. 58+00, Rt.
- 1278 SY Sta. 46+00, Lt. to Sta. 51+26, Lt.
- 1128 SY Sta. 51+67, Lt. to Sta. 56+50, Lt.
- 228 SY Sta. 57+00, Lt. to Sta. 58+00, Lt.
- (621-005A) SEED BED PREP (PLAN QUANTITY)
- (621-010A) SEEDING (PLAN QUANTITY)
- (621-015A) MULCHING (PLAN QUANTITY)
- (621-025A) MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
- (621-035A) FERTILIZING (PLAN QUANTITY)
- 0.394 AC Sta. 46+00 Rt. to Sta. 58+00, Rt.
- 0.264 AC Sta. 46+00, Lt. to Sta. 51+26, Lt.
- 0.233 AC Sta. 51+67, Lt. to Sta. 56+50, Lt.
- 0.047 AC Sta. 57+00, Lt. to Sta. 58+00, Lt.

NOTES:

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_escp_004.DGN
DRAWING DATE:	February 06, 2026

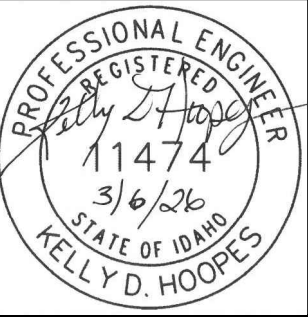
IDAHO TRANSPORTATION DEPARTMENT

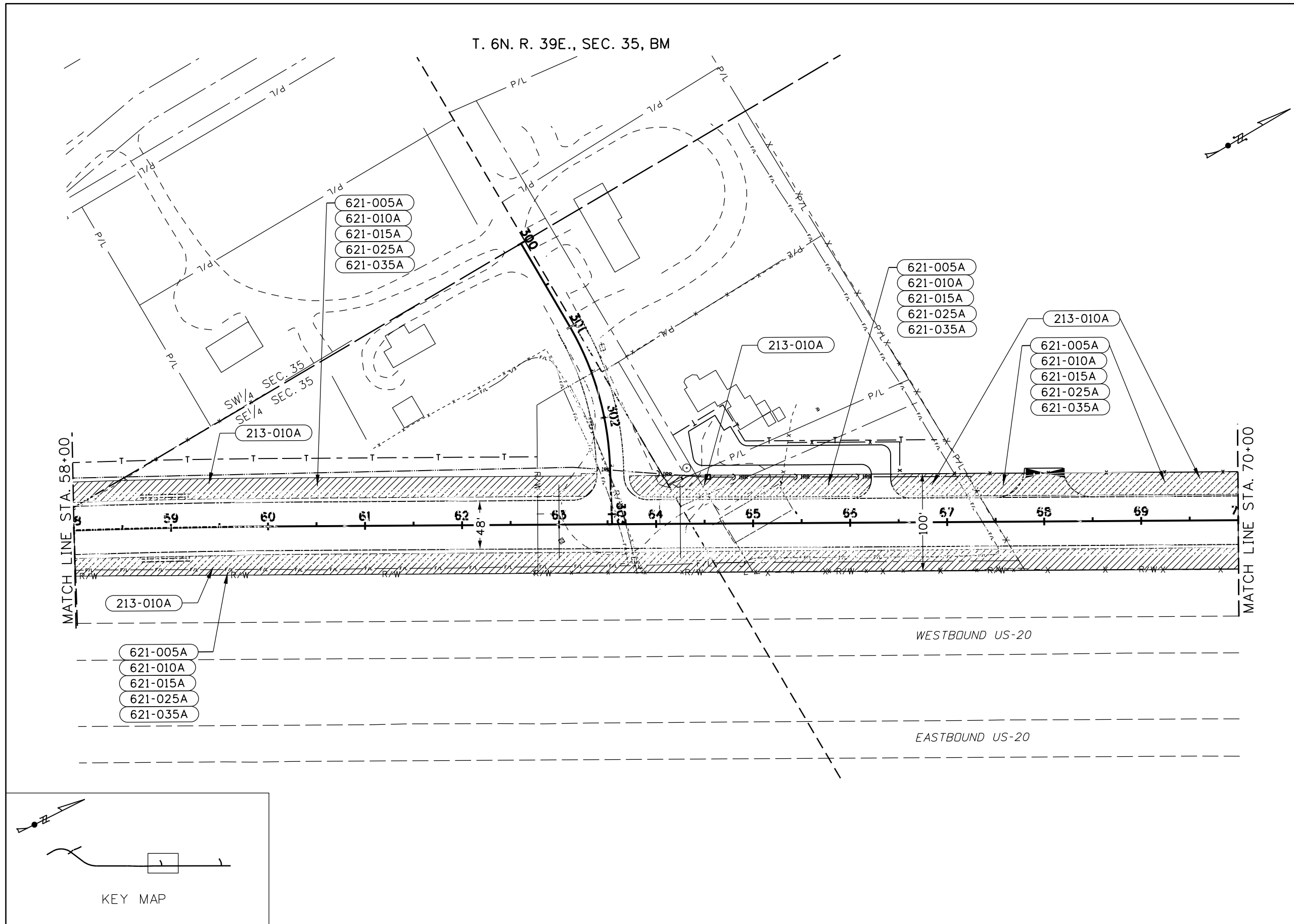
HORROCKS ENGINEERS

PROJECT NO.	A020(599)
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STORMWATER POLLUTION PREVENTION PLAN	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 46+00 TO 58+00
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English	COUNTY MADISON
KEY NUMBER	20599
SHEET	32 OF 67



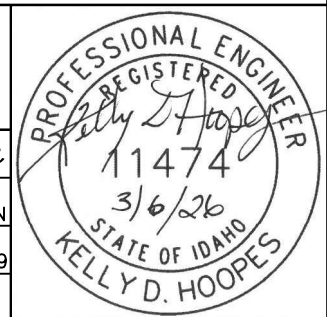


213-010A	TOPSOIL (PLAN QUANTITY)
2820 SY	Sta. 58+00, Rt. to Sta. 70+00, Rt.
1264 SY	Sta. 58+00 Lt. to Sta. 63+39, Lt.
611 SY	Sta. 63+73, Lt. to Sta. 66+22, Lt.
915 SY	Sta. 66+43, Lt. to Sta. 70+00, Lt.
621-005A	SEED BED PREP (PLAN QUANTITY)
621-010A	SEEDING (PLAN QUANTITY)
621-015A	MULCHING
621-025A	MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
621-035A	FERTILIZING (PLAN QUANTITY)
0.582 AC	Sta. 58+00, Rt. to Sta. 70+00, Rt.
0.261 AC	Sta. 58+00, Lt. to Sta. 63+39, Lt.
0.126 AC	Sta. 63+73, Lt. to Sta. 66+22, Lt.
0.189 AC	Sta. 66+43, Lt. to Sta. 70+00, Lt.

- NOTES:**
- SEE PLANS FOR ALIGNMENT INFORMATION
 - SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
 - SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS

REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 20599_escp_005.DGN	DRAWING DATE: February 06, 2026	IDAHO TRANSPORTATION DEPARTMENT	HORROCKS ENGINEERS	PROJECT NO. A020(599)	STORMWATER POLLUTION PREVENTION PLAN W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00	English COUNTY MADISON KEY NUMBER 20599 SHEET 33 OF 67
NO.	DATE	BY	DESCRIPTION									



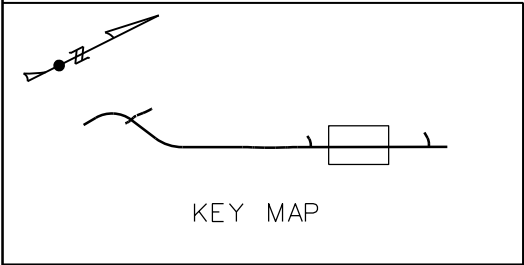
T. 6N. R. 39E., SEC. 11, BM

- 213-010A TOPSOIL (PLAN QUANTITY)
3577 SY Sta. 70+00 Rt. to Sta. 82+00, Rt.
3611 SY Sta. 70+00 Lt. to Sta. 82+00, Lt.
- 621-005A SEED BED PREP (PLAN QUANTITY)
- 621-010A SEEDING (PLAN QUANTITY)
- 621-015A MULCHING (PLAN QUANTITY)
- 621-025A MULCH ANCHDRING TACKIFIER (PLAN QUANTITY)
- 621-035A FERTILIZING (PLAN QUANTITY)
- 0.739 AC Sta. 70+00 Rt. to Sta. 82+00, Rt.
- 0.746 AC Sta. 70+00, Lt. to Sta. 82+00, Lt.

NOTES:

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_escp_006.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

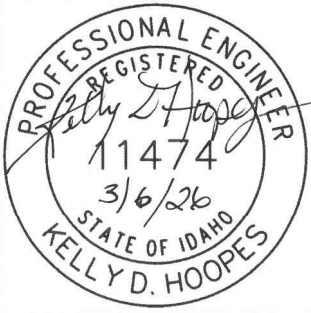
Horrocks ENGINEERS

IDAHO TRANSPORTATION DEPARTMENT

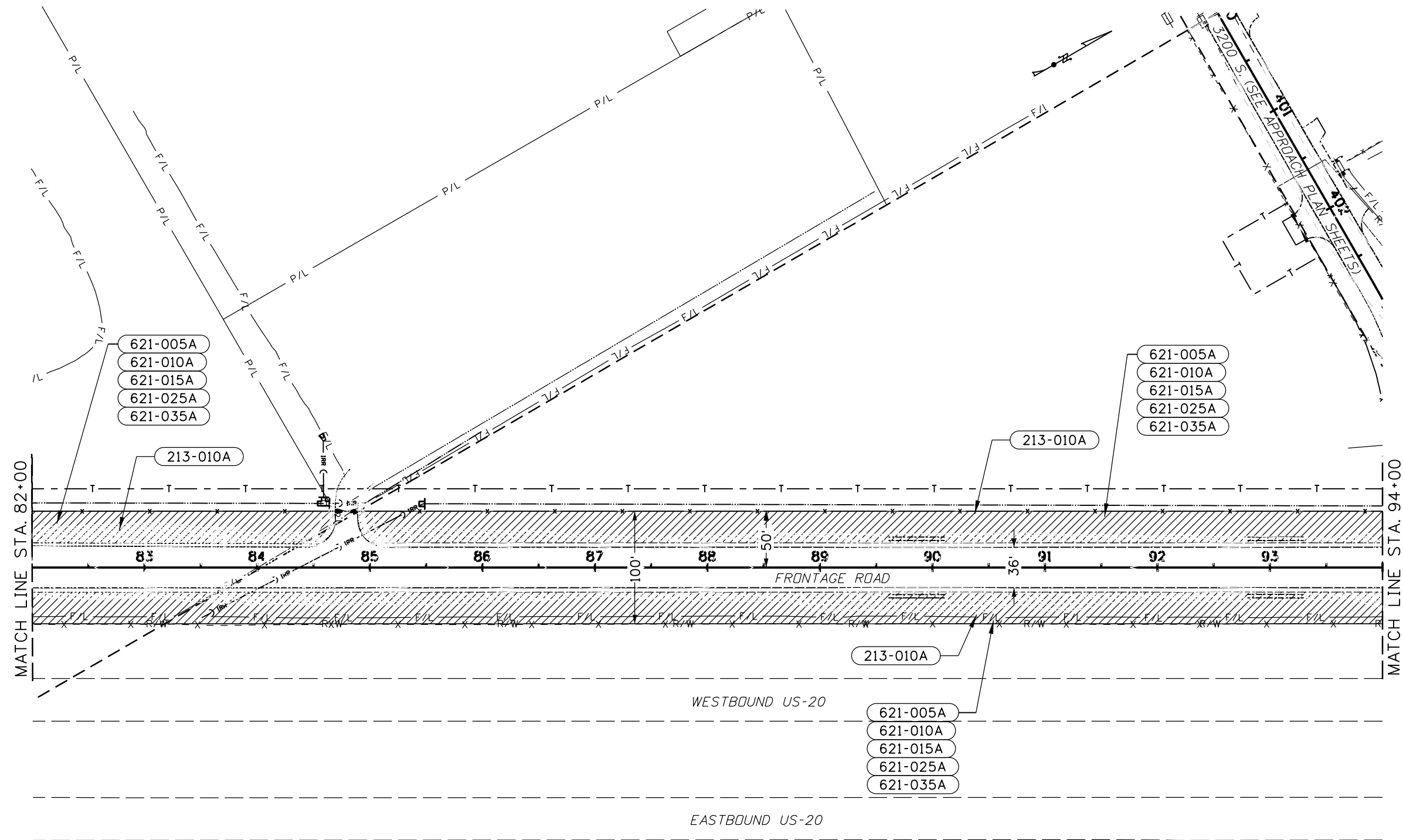
PROJECT NO.
A020(599)

STORMWATER POLLUTION PREVENTION PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 34 OF 67



T. 5N. R. 39E. SEC. 11, BM



213-010A TOPSOIL (PLAN QUANTITY)

3747 SY Sta. 82+00, Rt. to
Sta. 94+00, Rt.
844 SY Sta. 82+00, Lt. to
Sta. 84+70, Lt.
2832 SY Sta. 84+90, Lt. to
Sta. 94+00, Lt.

621-005A SEED BED PREP (PLAN
QUANTITY)

621-010A SEEDING (PLAN QUANTITY)

621-015A MULCHING (PLAN QUANTITY)

621-025A MULCH ANCHORING
TACKIFIER (PLAN QUANTITY)

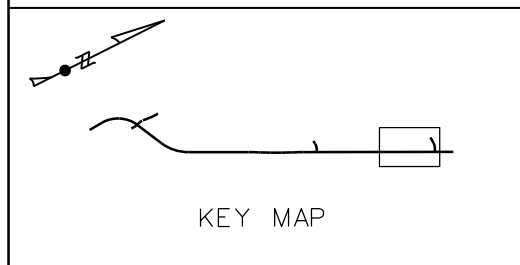
621-035A FERTILIZING (PLAN
QUANTITY)

0.774 AC Sta. 82+00, Rt. to
Sta. 94+00, Rt.
0.174 AC Sta. 82+00, Lt. to
Sta. 84+70, Lt.
0.585 AC Sta. 84+90, Lt. to
Sta. 94+00, Lt.

NOTES:

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION
CONTROL AREAS



KEY MAP

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	J PRICE	
				DESIGN CHECKED J BAILEY	
				DETAILED J BAILEY	CADD FILE NAME 20599_escp_007.DGN
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

**HORROCKS
ENGINEERS**

PROJECT NO.
A020(599)

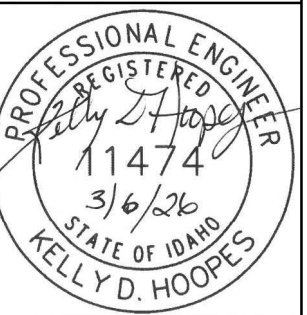
STORMWATER POLLUTION PREVENTION PLAN
W. SIDE FRONTAGE RD.
MADISON COUNTY
STA. 82+00 TO 94+00

English

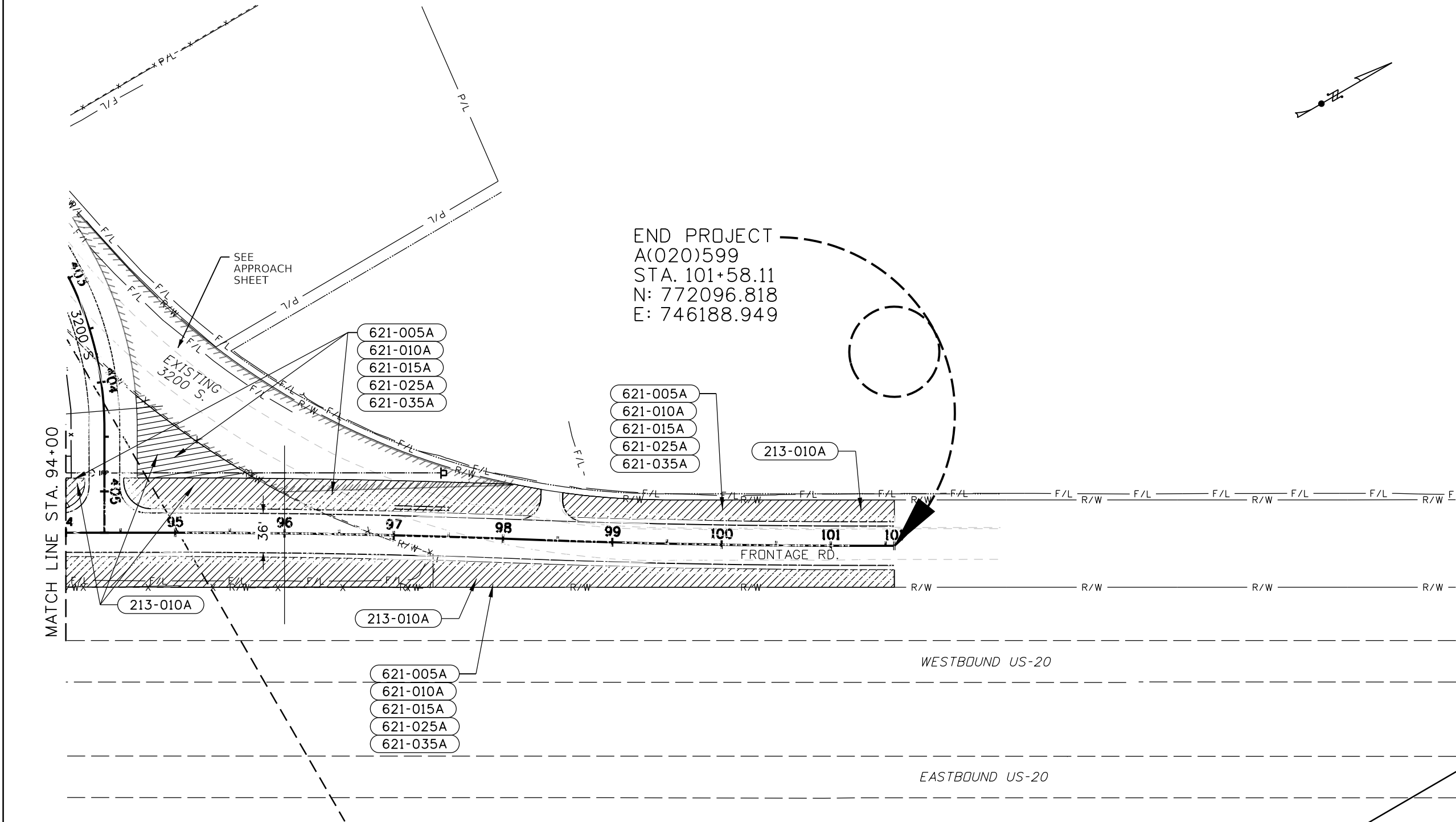
COUNTY
MADISON

KEY NUMBER
20599

SHEET 35 OF 67



T. 6N. R. 39E., SEC. 11, BM



213-010A	TOPSOIL (PLAN QUANTITY)
1900 SY	Sta. 94+00, Rt. to Sta. 101+58.11, Rt.
40 SY	Sta. 94+00, Lt. to Sta. 94+17, Lt.
1167 SY	Sta. 94+53, Lt. to Sta. 98+33, Lt.
422 SY	Sta. 94+63, Lt. to Sta. 95+73, Lt.
649 SY	Sta. 98+53, Lt. to Sta. 101+58.11, Lt.
621-005A	SEED BED PREP (PLAN QUANTITY)
621-010A	SEEDING (PLAN QUANTITY)
621-015A	MULCHING (PLAN QUANTITY)
621-025A	MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
621-035A	FERTILIZING (PLAN QUANTITY)
0.392 AC	Sta. 94+00, Rt. to Sta. 101+58.11, Rt.
0.008 AC	Sta. 94+00, Lt. to Sta. 94+17, Lt.
0.241 AC	Sta. 94+53, Lt. to Sta. 98+33, Lt.
0.087 AC	Sta. 94+63, Lt. to Sta. 95+73, Lt.
0.134 AC	Sta. 98+53, Lt. to Sta. 101+58.11, Lt.

NOTES:

- SEE PLANS FOR ALIGNMENT INFORMATION
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

ESTIMATED EROSION CONTROL AREAS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

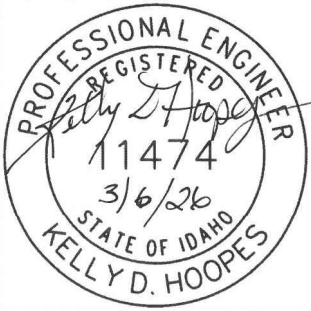
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CADD FILE NAME 20599_escp_008.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

HORROCKS ENGINEERS

PROJECT NO.	STORMWATER POLLUTION PREVENTION PLAN
A020(599)	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 94+00 TO 101+58.11

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 36 OF 67



233	SY	Sta. 200+00, Rt. to Sta. 201+68, Rt.
204	SY	Sta. 200+00, Lt. to Sta. 201+60, Lt.
2469	SY	Sta. 202+60, Lt. to Sta. 209+12, Lt.
2345	SY	Sta. 202+67, Rt. to Sta. 209+12, Rt.

621-035A FERTILIZING (PLAN QUANTITY)

0.048 AC Sta. 200+00, Rt. to
Sta. 201+60, Rt.
0.042 AC Sta. 200+00, Lt. to
Sta. 201+68, Lt.
0.510 AC Sta. 202+60, Lt. to
Sta. 209+12, Lt.
0.484 AC Sta. 202+67, Rt. to
Sta. 209+12, Rt.

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

 ESTIMATED EROSION
CONTROL AREAS

[illegible]

DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED J BAILEY	
DETAILED J BAILEY	CADD FILE NAME 20599_escp_009.DGN
DRAWING CHECKED K HOPFES	DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

HORROCKS
ENGINEERS

A020(599)

W. SIDE FRONTAGE RD.
MADISON COUNTY

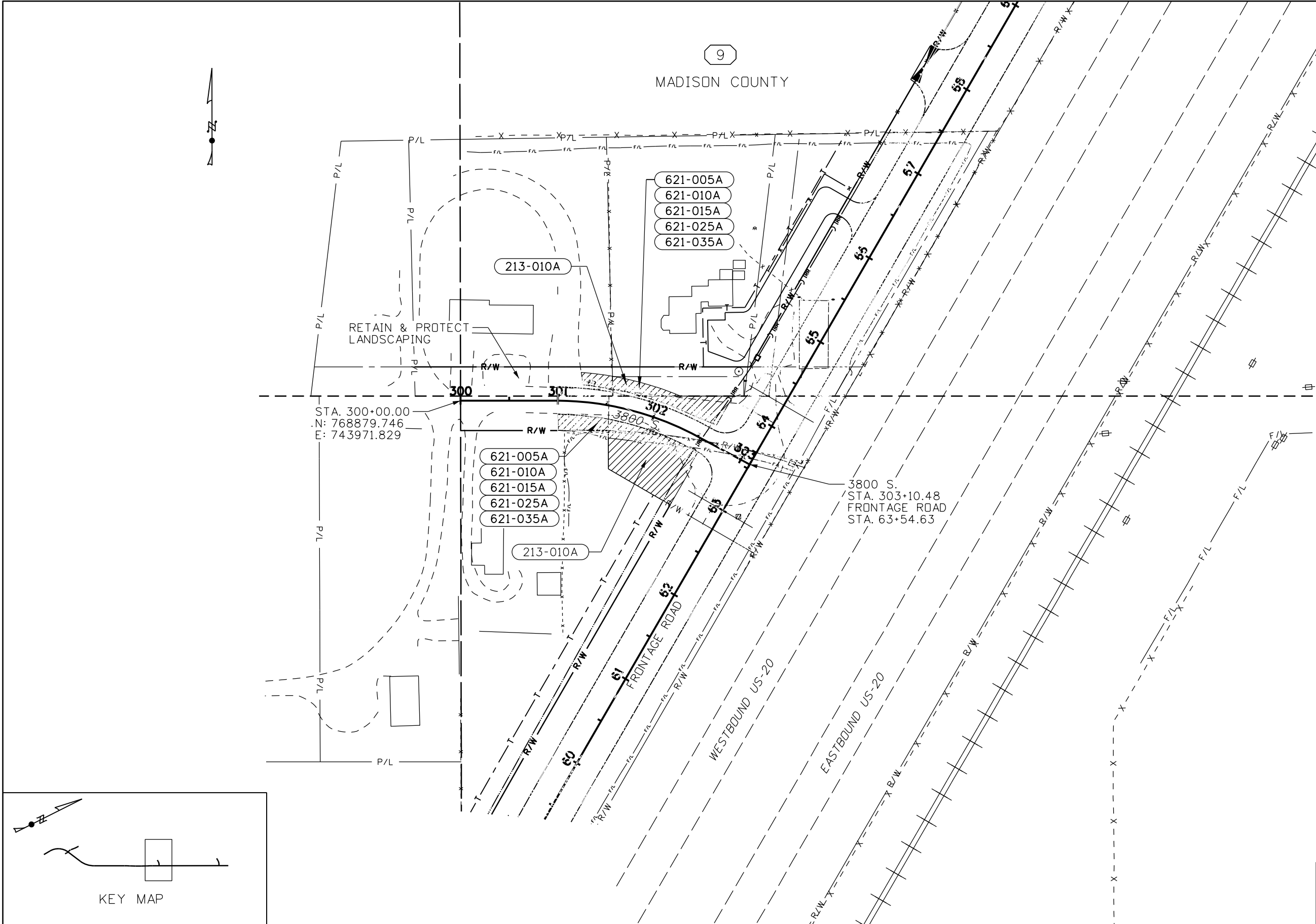
STA. 200+00 TO 209+12.00

English

COUNTY MADISON

KEY NUMBER	20599
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SHEET 37 OF 67

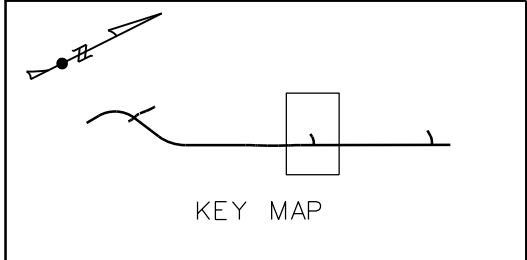


213-010A	TOPSOIL (PLAN QUANTITY)
272 SY	Sta. 301+20, Lt. to Sta. 302+60, Lt.
630 SY	Sta. 301+00, Rt. to Sta. 302+60, Rt.
621-005A	SEED BED PREP (PLAN QUANTITY)
621-010A	SEEDING (PLAN QUANTITY)
621-015A	MULCHING (PLAN QUANTITY)
621-025A	MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
621-035A	FERTILIZING (PLAN QUANTITY)
0.056 AC	Sta. 301+20, Lt. to Sta. 302+60, Lt.
0.130 AC	Sta. 301+00, Rt. to Sta. 302+60, Rt.

NOTES:

1. SEE PLANS FOR ALIGNMENT INFORMATION
2. SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
3. SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

 ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_escp_010.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

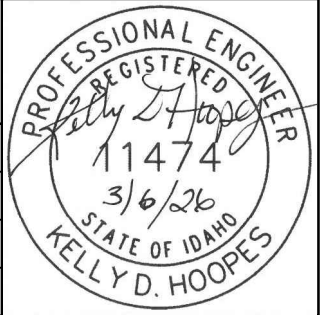
HORROCKS ENGINEERS

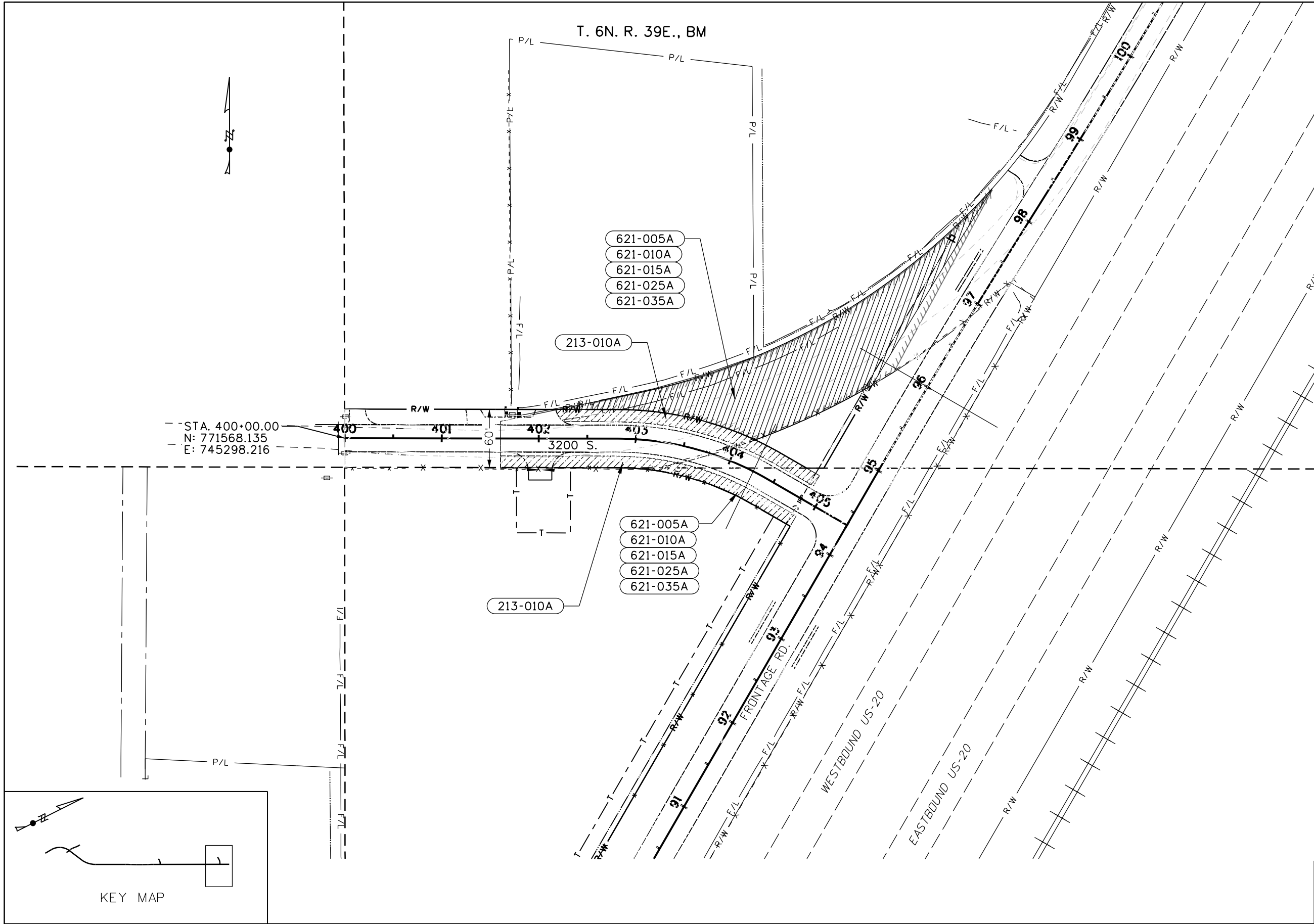
IDAHO TRANSPORTATION DEPARTMENT

PROJECT NO.
A020(599)

STORMWATER POLLUTION PREVENTION PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 300+00 TO 303+12

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 38 OF 67



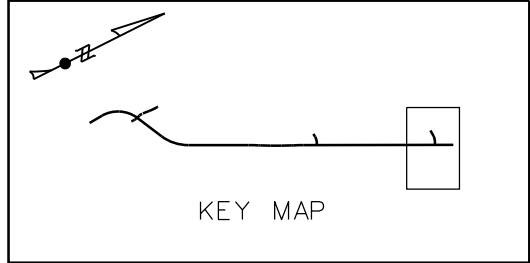


213-010A	TOPSOIL (PLAN QUANTITY)
423	SY Sta. 401+60, Rt. to Sta. 404+88, Rt.
2866	SY Sta. 402+20, Lt. to Sta. 404+88, Lt.
621-005A	SEED BED PREP (PLAN QUANTITY)
621-010A	SEEDING (PLAN QUANTITY)
621-015A	MULCHING (PLAN QUANTITY)
621-025A	MULCH ANCHORING TACKIFIER (PLAN QUANTITY)
621-035A	FERTILIZING (PLAN QUANTITY)
0.087	AC Sta. 401+60, Rt. to Sta. 404+88, Rt.
0.592	AC Sta. 402+20, Lt. to Sta. 404+88, Lt.

NOTES:

- SEE PLANS FOR ALIGNMENT INFORMATION
- SEE CORRESPONDING APPROACH PLAN SHEETS FOR MINOR ROAD QUANTITY INFORMATION.
- SEE RIGHT OF WAY PLANS FOR MONUMENTS AND RIGHT OF WAY MARKERS INFORMATION.

 ESTIMATED EROSION CONTROL AREAS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J BAILEY
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_ESCP_011.DGN
DRAWING DATE: February 06, 2026

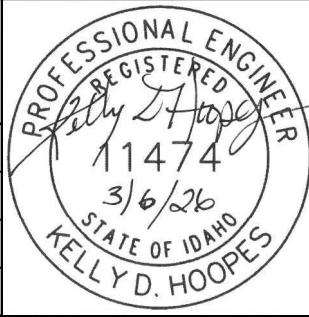
IDAHO TRANSPORTATION DEPARTMENT

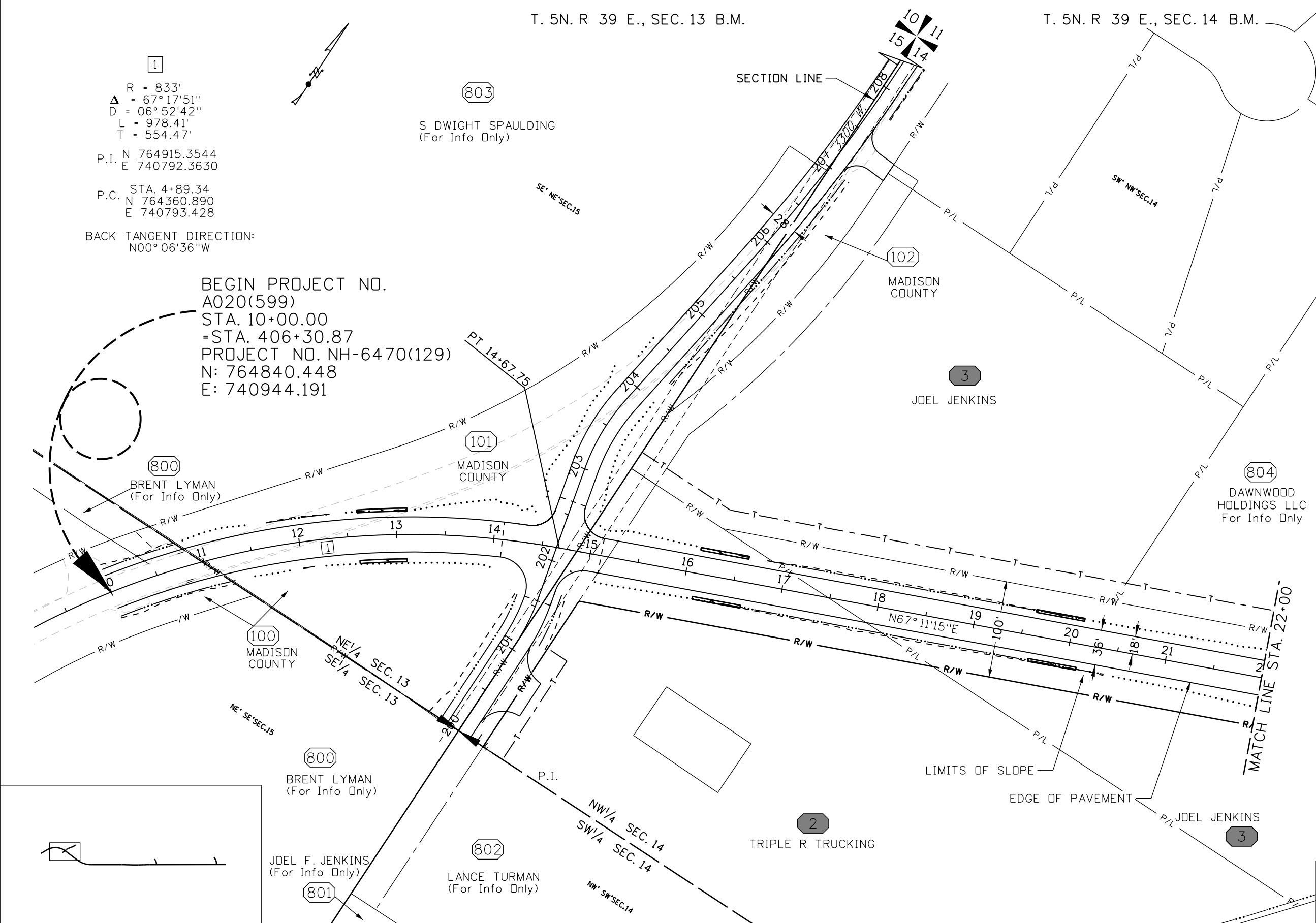
HORROCKS ENGINEERS

PROJECT NO.
A020(599)

STORMWATER POLLUTION PREVENTION PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 400+00 TO 405+38.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 39 OF 67





NO IRRIGATION ITEMS THIS SHEET

NOTE: ALL IRRIGATION ITEMS ON JENKINS PROPERTY TO BE REMOVED

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_001.DRD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

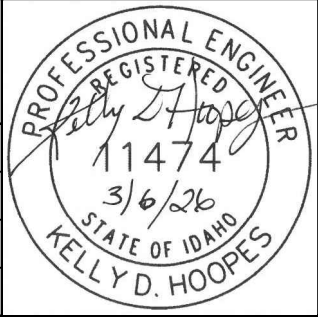


HORROCKS
ENGINEERS

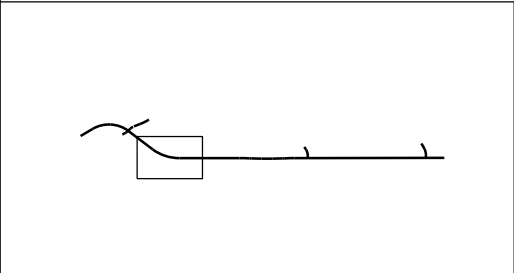
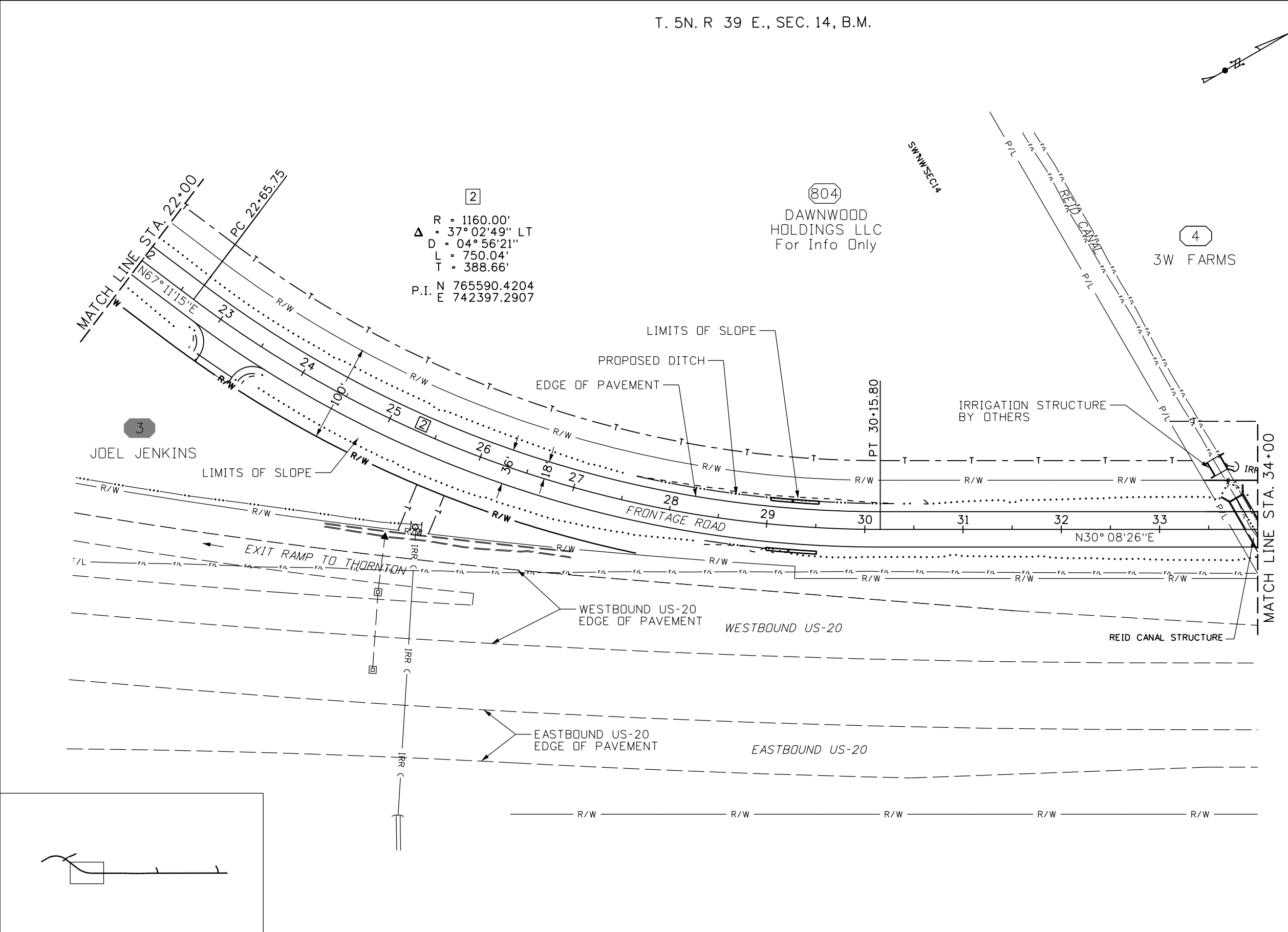
PROJECT NO.	
REID CANAL CO	

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD.
MADISON COUNTY
STA. 10+00 TO 22+00

English	
COUNTY	MADISON
KEY NUMBER	20599
SHEET 40 OF 67	



T. 5N. R 39 E., SEC. 14, B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_002_ORD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

PROJECT NO.	
REID CANAL CO	

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD.
MADISON COUNTY
STA. 22+00 TO 34+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 41 OF 67

PROFESSIONAL ENGINEER

REGISTERED

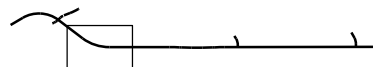
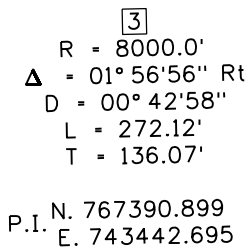


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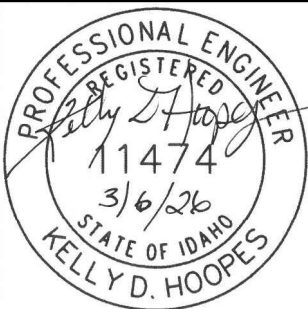
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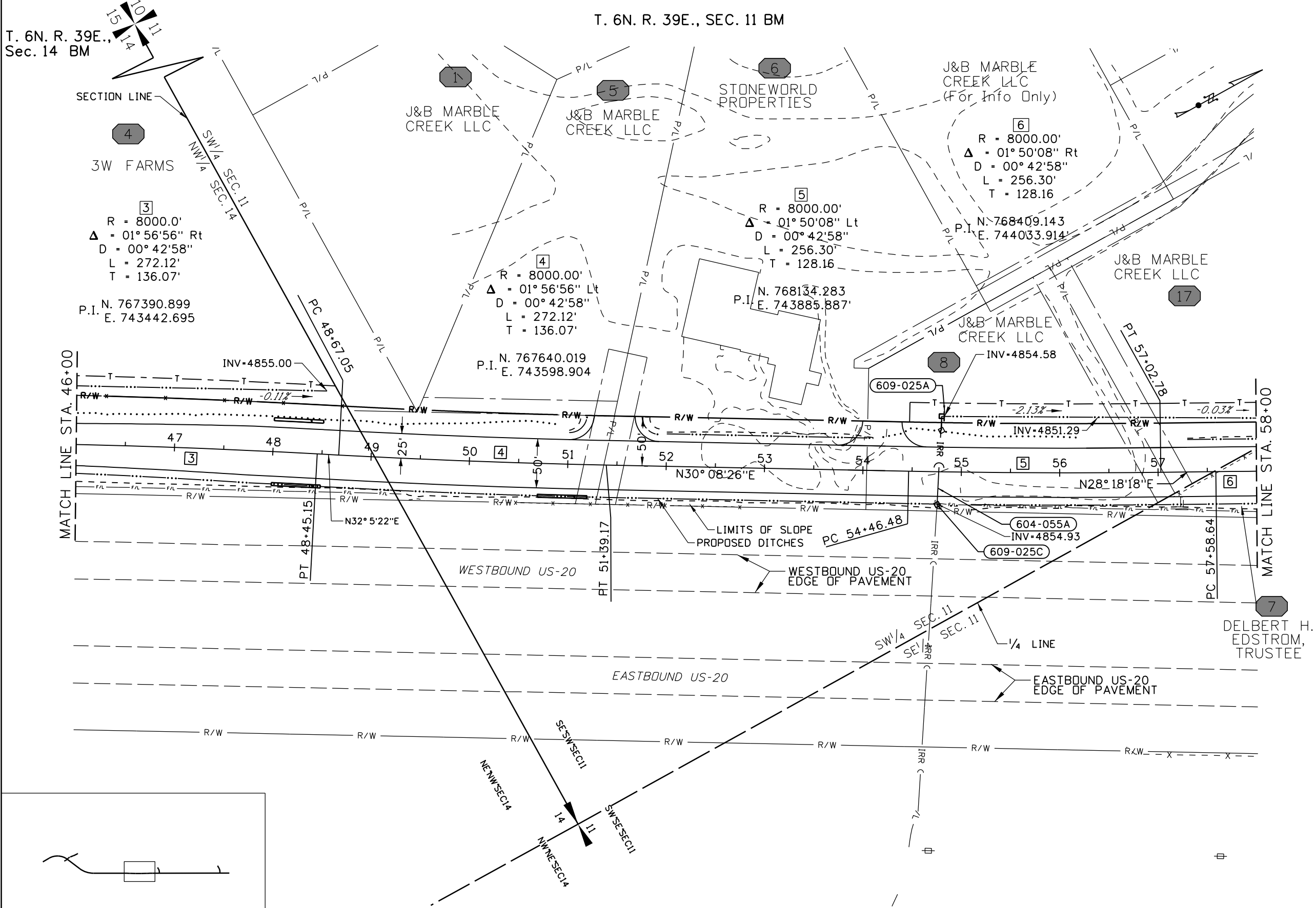
STATE OF IDAHO

KELLY D. HOOPES

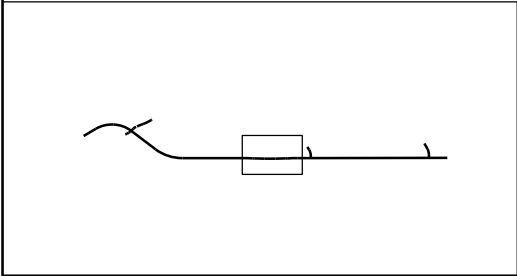


REVISIONS				DESIGNED	SCALES SHOWN	IDAHO TRANSPORTATION DEPARTMENT		PROJECT NO.	IRRIGATION PLAN SHEETS	English
NO.	DATE	BY	DESCRIPTION	J PRICE	ARE FOR 11" X 17"			COUNTY		
				DESIGN CHECKED	PRINTS ONLY			MADISON		
				K HOOPES						
				DETAILED	CADD FILE NAME			REID CANAL CO	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 34+00 TO 46+00	KEY NUMBER
				J PRICE	20599_irrig_plan_003_ORD.DGN		20599			
				DRAWING CHECKED	DRAWING DATE:					
				K HOOPES	February 06, 2026	HORROCKS ENGINEERS				SHEET 42 OF 67





604-055A	30" IRRIGATION PIPE
76 FT	STA. 54+75.91, 33.4' RT TO STA. 54+79.32, 42.0' LT
609-025A	MINOR STRUCTURE (TYPE 1 DIVERSION STRUCTURE)
1 EA	STA. 54+79.23, 56.5' LT
609-025C	MINOR STRUCTURE (TYPE 3 DIVERSION STRUCTURE)
1 EA	STA. 54+75.91, 33.4' RT



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_004_ORD.DGN
DRAWING DATE:	February 06, 2026

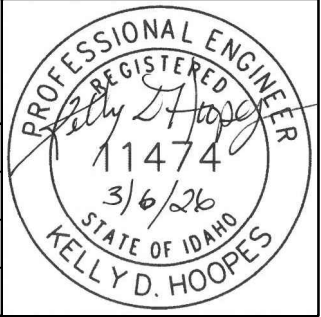
IDAHO
TRANSPORTATION
DEPARTMENT

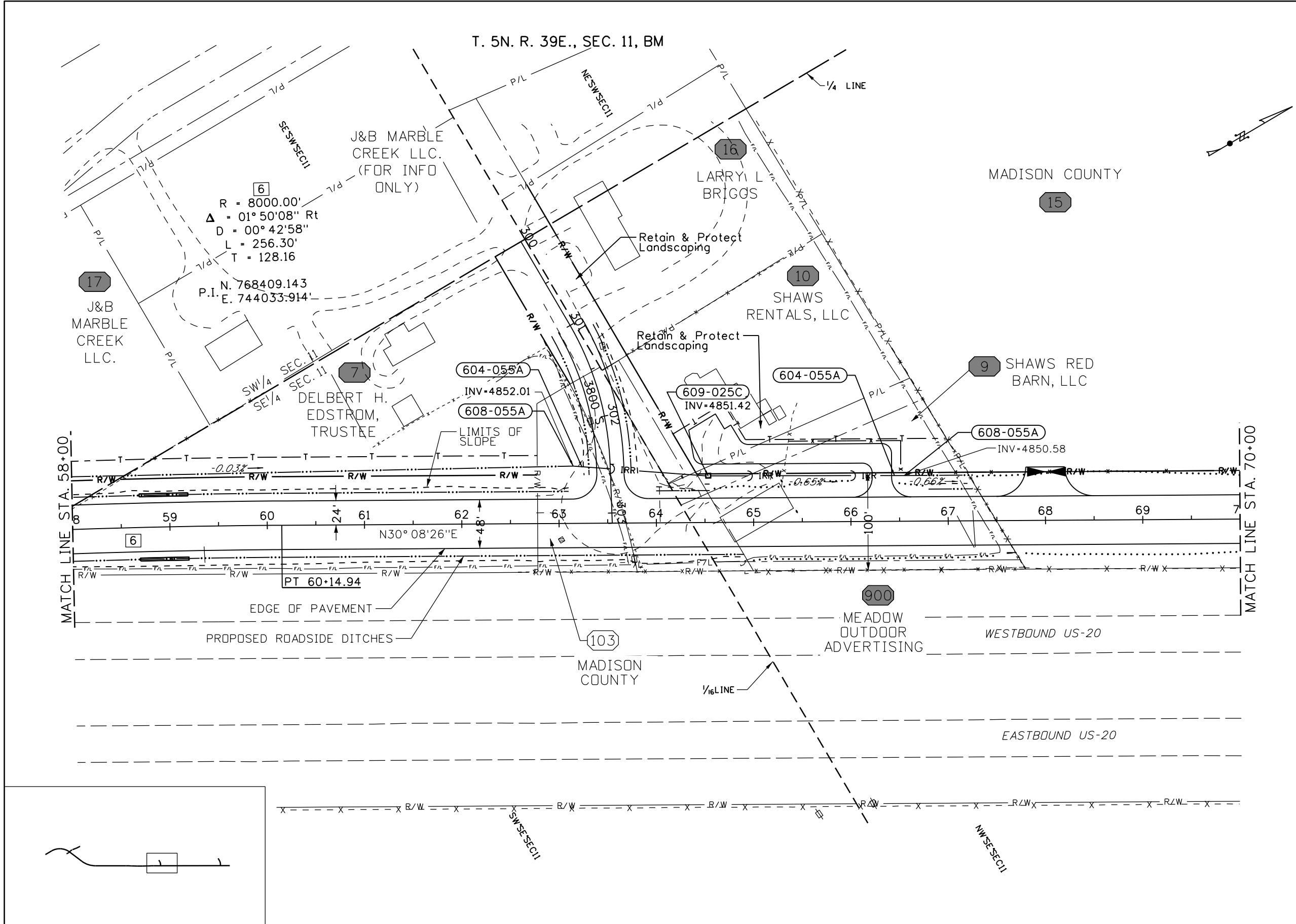
HORROCKS
ENGINEERS

PROJECT NO.	REID CANAL CD
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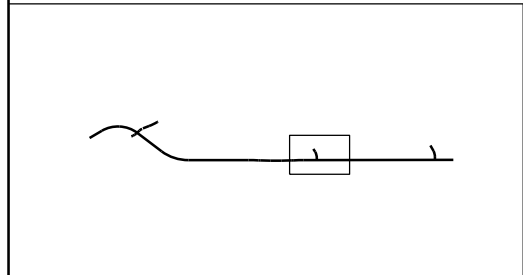
IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 46+00 TO 58+00

English	
COUNTY	MADISON
KEY NUMBER	20599
SHEET 43 OF 67	

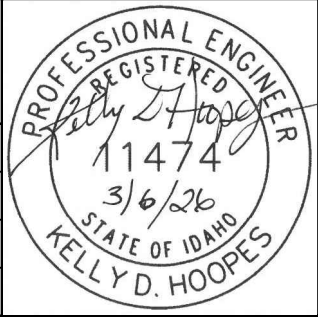




604-055A	30" IRRIGATION PIPE
140 FT	STA. 63+14.85, 58.9' LT TO STA. 64+51.38, 48.0' LT
200 FT	STA. 64+55.79, 48.0' LT TO STA. 66+55.02, 47.0' LT
608-055A	30" APRON FOR PIPE
1 EA	STA. 63+14.85, 58.9' LT
1 EA	STA. 66+55.02, 47.0' LT
609-025C	MINOR STRUCTURE (TYPE 3 DIVERSION STRUCTURE)
1 EA	STA. 64+53.50, 48.0' LT



REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO.	IRRIGATION PLAN SHEETS W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00	English COUNTY MADISON KEY NUMBER 20599 SHEET 44 OF 67
NO.	DATE	BY	DESCRIPTION						
				DESIGN CHECKED K HOOPES					
				DETAILED J PRICE	CADD FILE NAME 20599_irrig_plan_005_ORD.DGN				
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026	HORROCKS ENGINEERS			



T. 5N. R. 39E., SEC. 11, BM

- 604-055A

117 FT

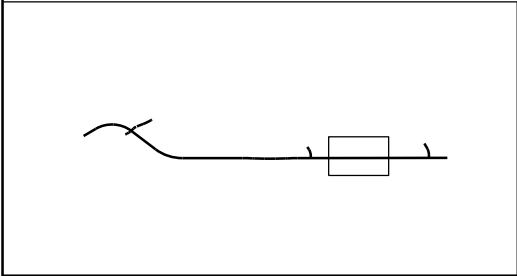
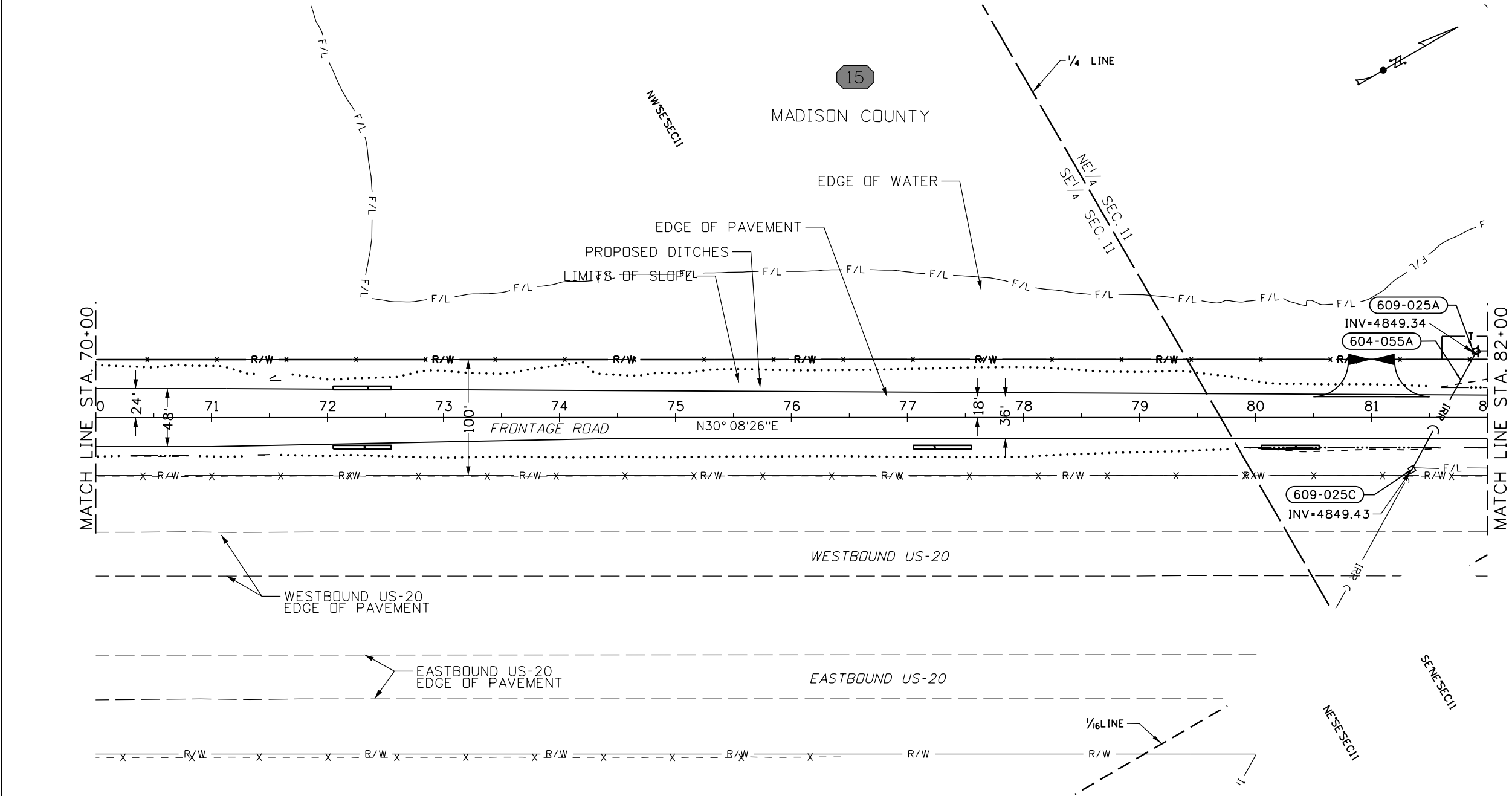
30" IRRIGATION PIPE
STA. 81+34.79, 44.8' RT TO
STA. 81+90.68, 57.4' LT
- 609-025A

1 EA

MINOR STRUCTURE (TYPE 1
DIVERSION STRUCTURE)
STA. 81+89.44, 57.3' LT
- 609-025C

1 EA

MINOR STRUCTURE (TYPE 3
DIVERSION STRUCTURE)
STA. 81+34.79, 44.8' RT



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_irrig_plan_006_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

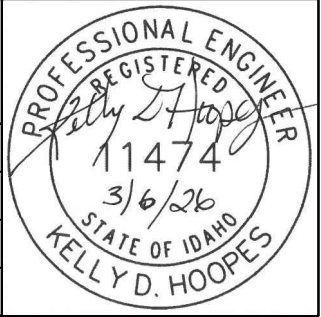


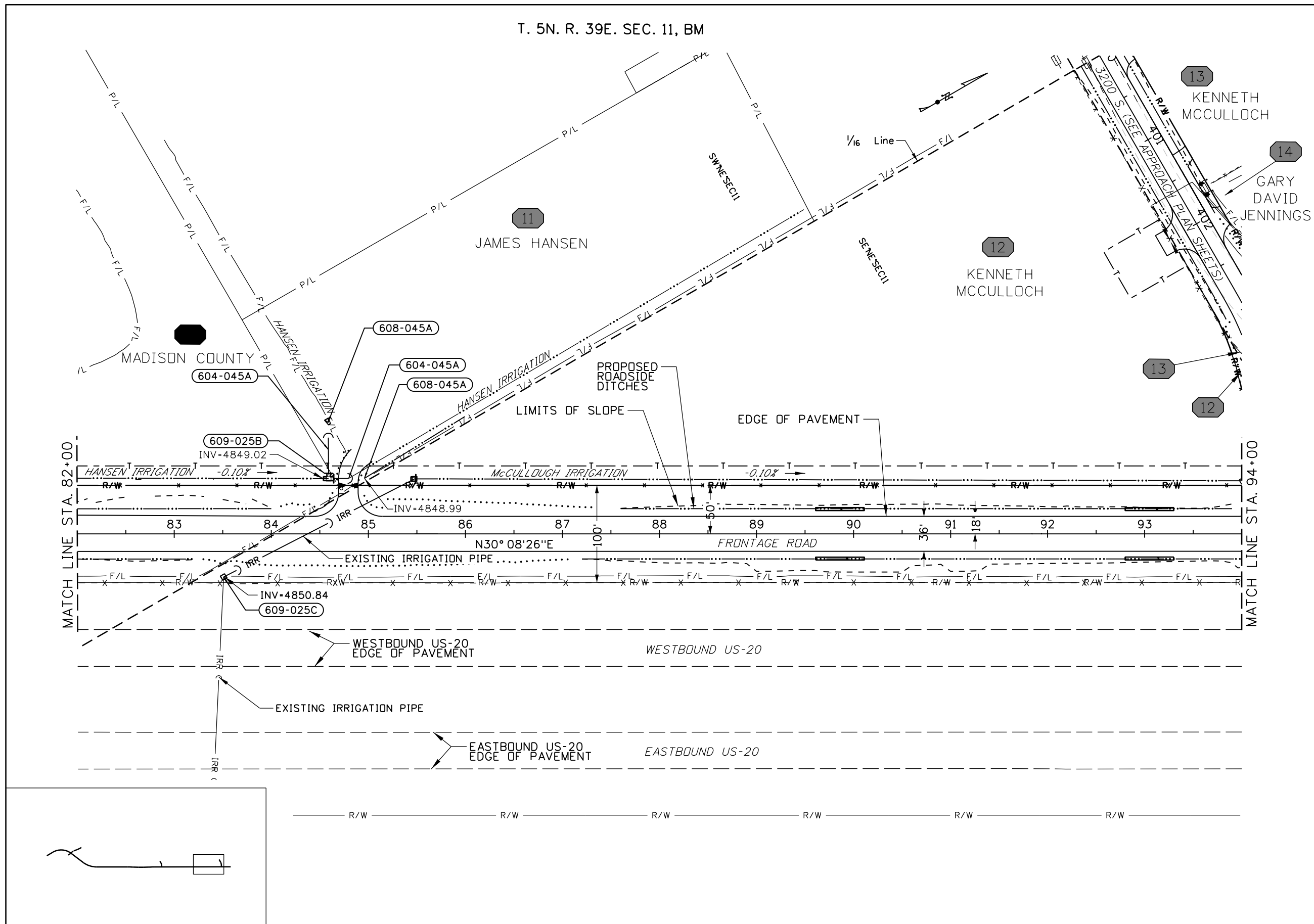
HORROCKS
ENGINEERS

PROJECT NO.
REID CANAL CD

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 45 OF 67

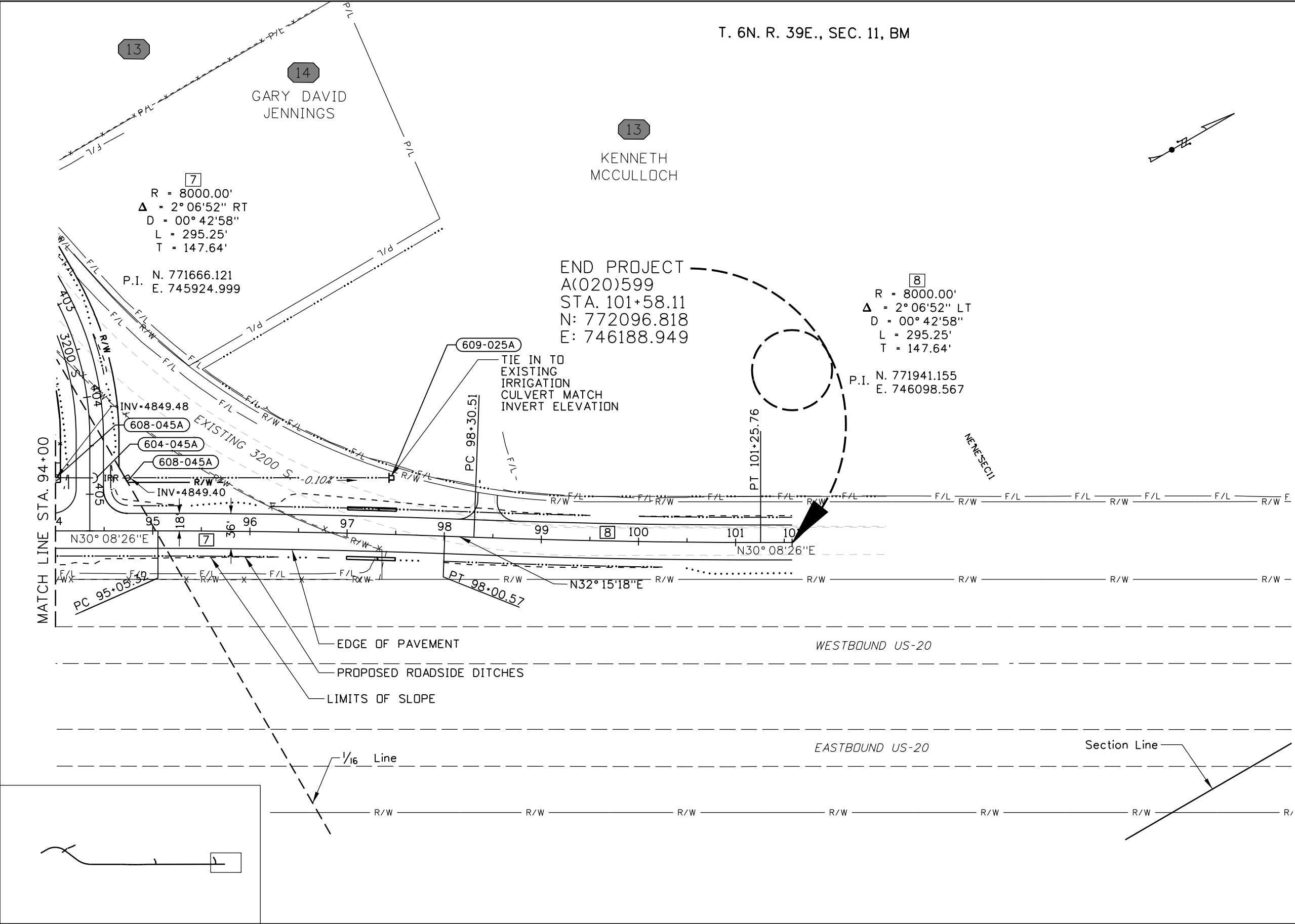




604-045A	24" IRRIGATION PIPE
51 FT	STA. 84+58.62, 112.5' LT TO
	STA. 84+59.03, 61.2' LT
32 FT	STA. 84+63.52, 57.1' LT TO
	STA. 84+95.82, 57.2' LT
608-045A	24" APRON FOR PIPE
1 EA	STA. 84+59.93, 113.0' LT
1 EA	STA. 84+95.82, 57.2' LT
609-025B	MINOR STRUCTURE (TYPE 2 DIVERSION STRUCTURE)
1 EA	STA. 84+59.05, 56.9' LT
609-025C	MINOR STRUCTURE (TYPE 3 DIVERSION STRUCTURE)
1 EA	STA. 83+50.85, 44.5' RT

REVISIONS				DESIGNED	SCALES SHOWN	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO.	IRRIGATION PLAN SHEETS	<i>English</i>
NO.	DATE	BY	DESCRIPTION	J PRICE	ARE FOR 11" X 17"				
				DESIGN CHECKED	PRINTS ONLY				
				K HOOPES					
				DETAILED	CADD FILE NAME		REID CANAL CD	W. SIDE FRONTAGE RD. MADISON COUNTY STA. 82+00 TO 94+00	COUNTY MADISON
				J PRICE	20599_irrig_plan_007				
				DRAWING CHECKED	DRAWING DATE:				
				K HOOPES	February 06, 2026				KEY NUMBER 20599
						HORROCKS ENGINEERS			SHEET 46 OF 67

T. 6N. R. 39E., SEC. 11, BM



604-045A		24" IRRIGATION PIPE
76	FT	STA. 94+00.66, 54.7' LT TO STA. 94+76.89, 54.4' LT
608-045A		24" APRON FOR PIPE
1	EA	STA. 94+00.66, 54.7' LT
1	EA	STA. 94+76.89, 54.4' LT
609-025A		MINDR STRUCTURE (TYPE 1 DIVERSION STRUCTURE)
1	EA	STA. 97+44.00, 58.0' LT

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_ irrig_plan_008_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO TRANSPORTATION DEPARTMENT

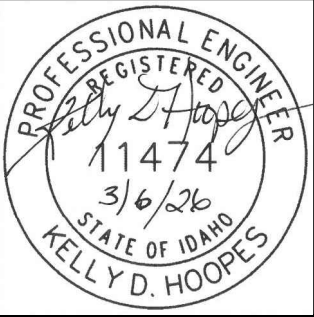
IDAHO TRANSPORTATION DEPARTMENT

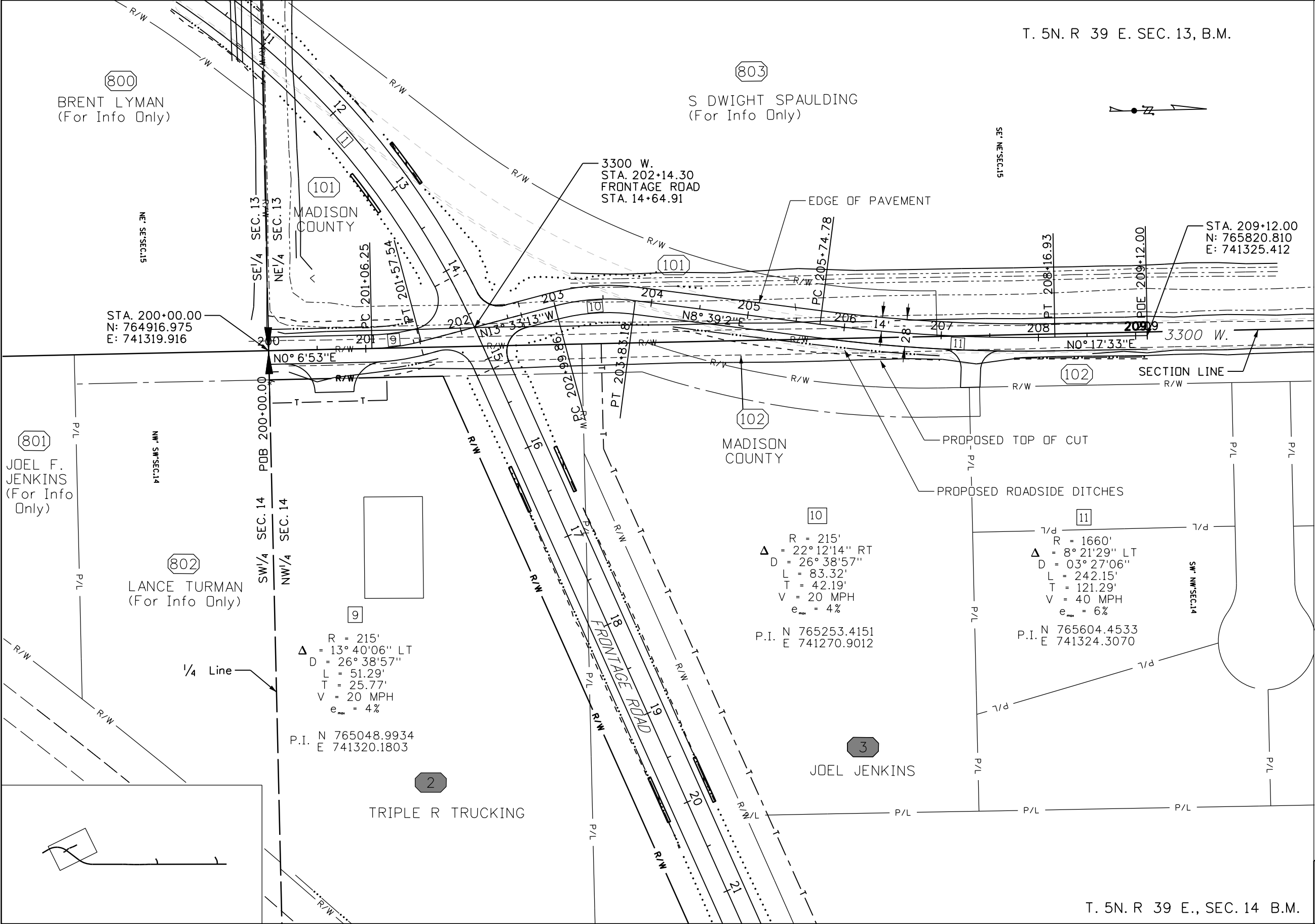
HORROCKS ENGINEERS

PROJECT NO.
REID CANAL CD

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 94+00 TO 101+58.11

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 47 OF 67





NO IRRIGATION ITEMS THIS SHEET

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_009_ORD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

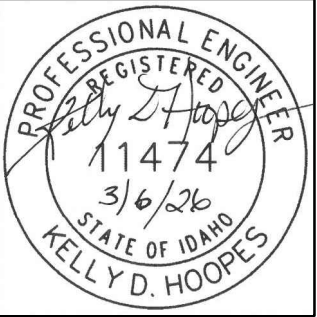
IDAHO
TRANSPORTATION
DEPARTMENT

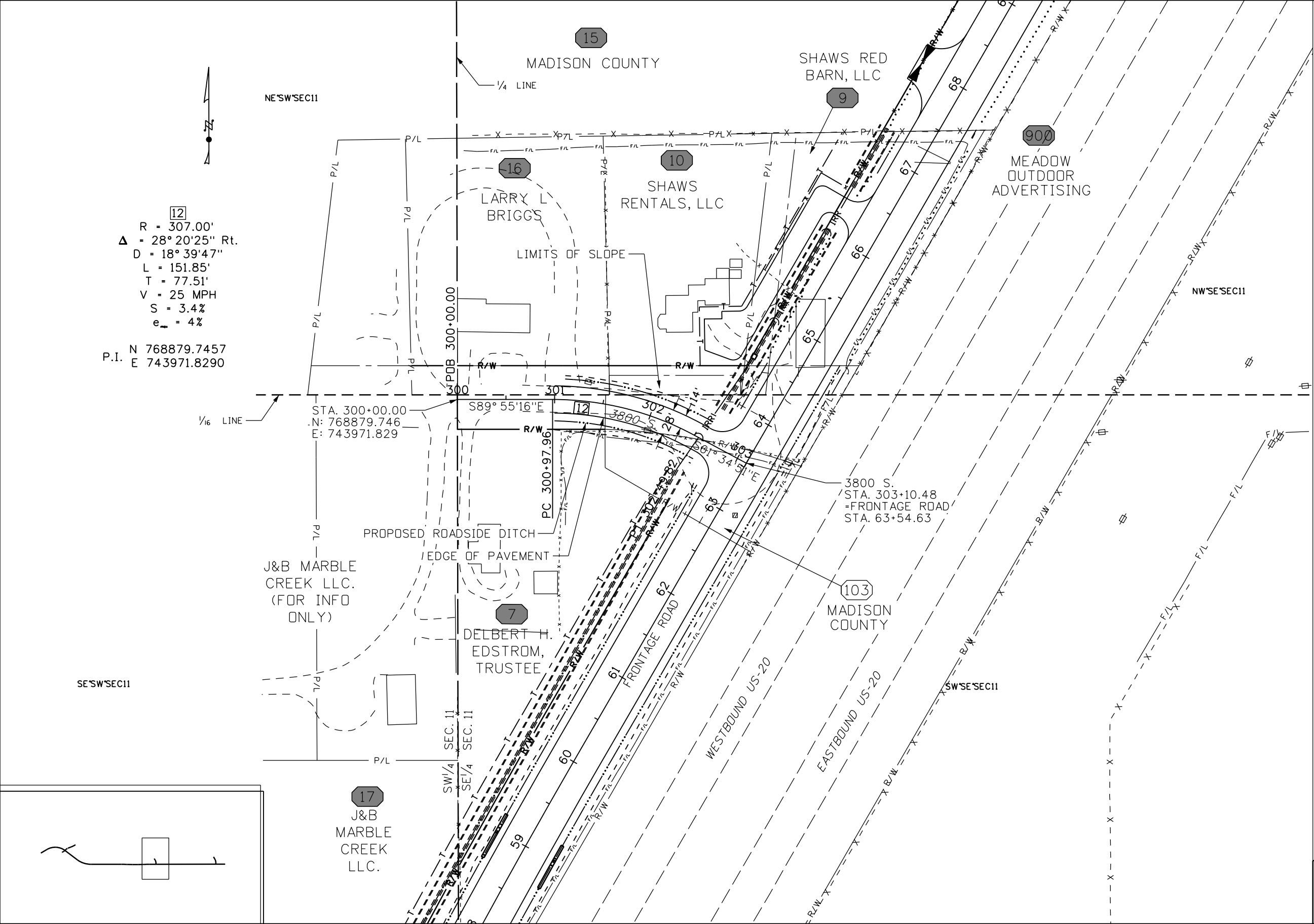
HORROCKS
ENGINEERS

PROJECT NO.
REID CANAL CD

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 200+00 TO 209+12.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 48 OF 67





12
R = 307.00'
Δ = 28° 20' 25" Rt.
D = 18° 39' 47"
L = 151.85'
T = 77.51'
V = 25 MPH
S = 3.4%
e_m = 4%
P.I. N 768879.7457
E 743971.8290

NO IRRIGATION ITEMS THIS SHEET

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_010.DRD.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

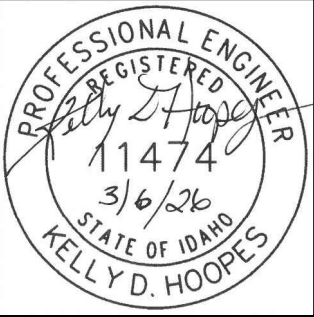
IDAHO
TRANSPORTATION
DEPARTMENT

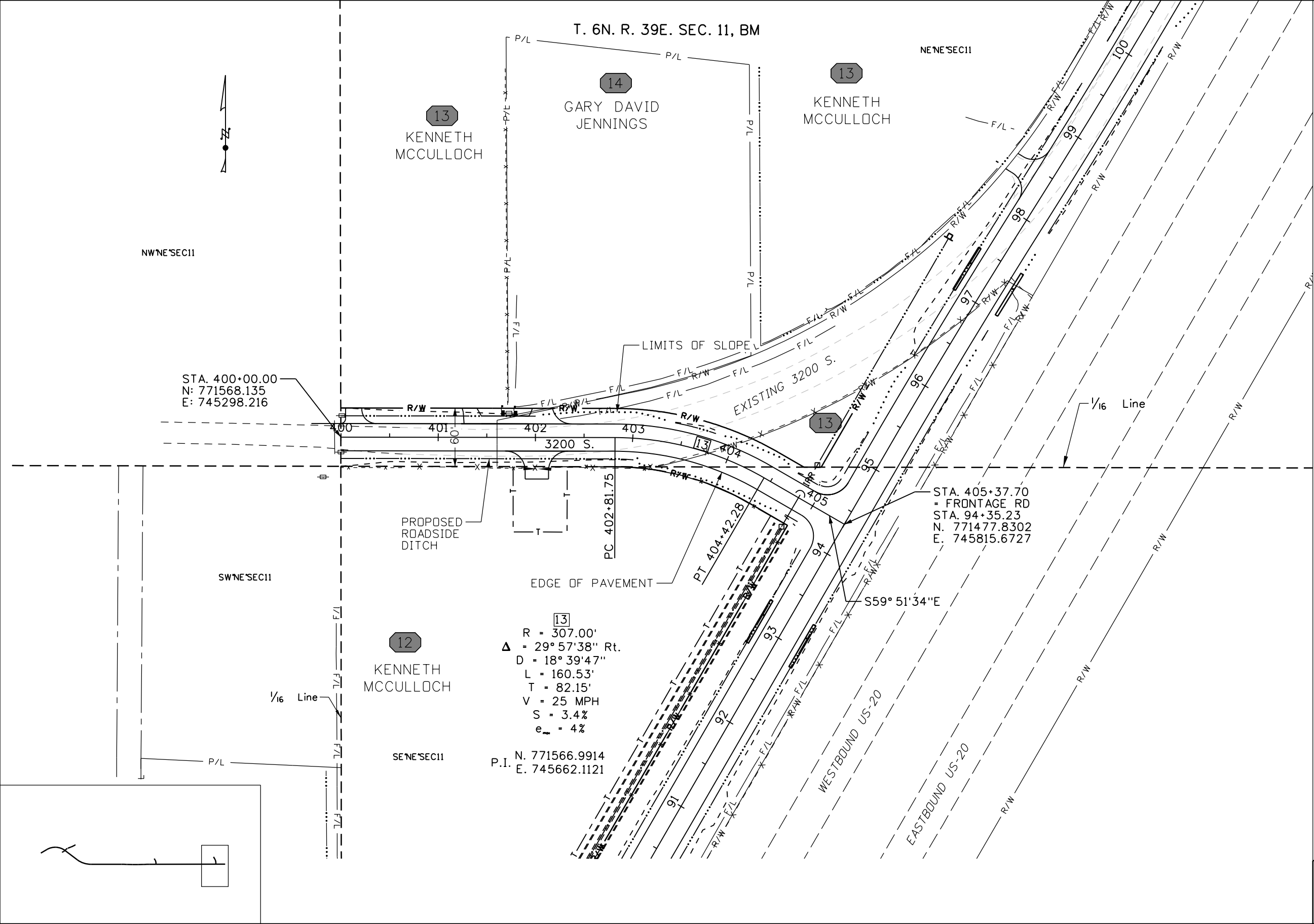
HORROCKS
ENGINEERS

PROJECT NO.
REID CANAL CO

IRRIGATION PLAN SHEETS
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 300+00 TO 303+12

English	
COUNTY	MADISON
KEY NUMBER	20599
SHEET 49 OF 67	





NO IRRIGATION ITEMS THIS SHEET

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	K HOOPES
DETAILED	J PRICE
DRAWING CHECKED	K HOOPES

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_irrig_plan_011.DGN
DRAWING DATE:	February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

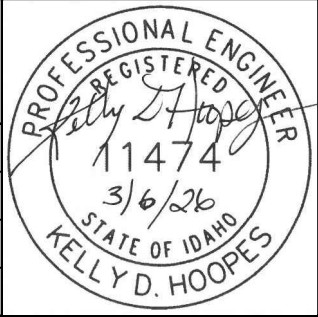


HORROCKS
ENGINEERS

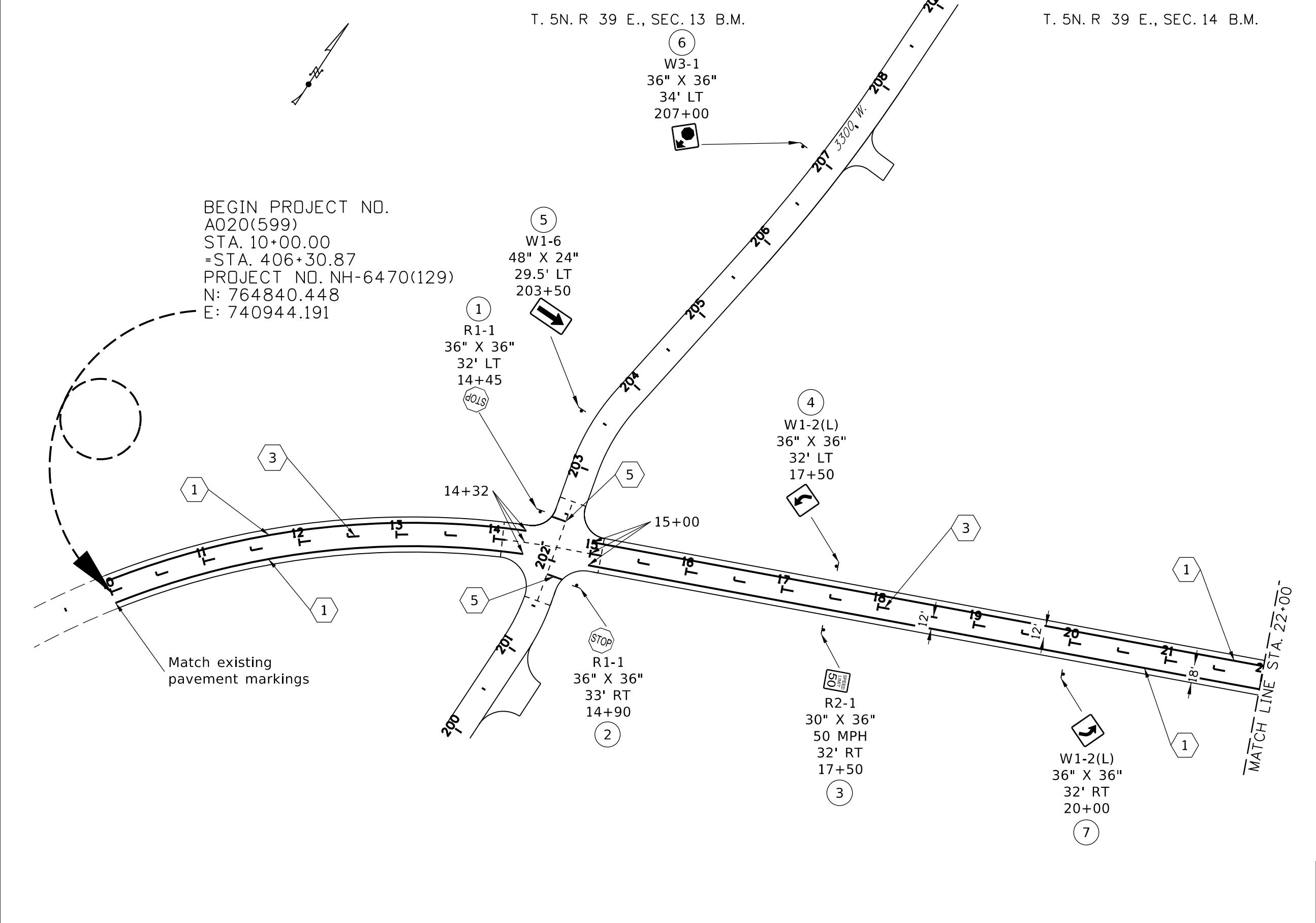
PROJECT NO.
REID CANAL CD

IRRIGATION PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY
STA. 400+00 TO 405+38.00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 50 OF 67



[illegible]



BEGIN PROJECT NO.
A020(599)
STA. 10+00.00
=STA. 406+30.87
PROJECT NO. NH-6470(129)
N: 764840.448
E: 740944.191

630-010A

TRANSVERSE,
WORD, SYMBOL,
AND ARROW
PAVEMENT
MARKINGS-
PREFORMED
THERMOPLASTIC

30.8 SF

STA. 14+54.7 LT. to
STA. 14+69.5 LT.

33.4 SF

STA. 14+60.1 RT. to
STA. 14+76.7 RT.

630-025A

LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE

5072 FT

STA. 10+00-
STA. 22+00

PAVEMENT MARKING LEGEND

630-025A

1 4" WHITE LINE

2 4" DOUBLE YELLOW LINE

3 4" YELLOW BROKEN 12'/38' LINE

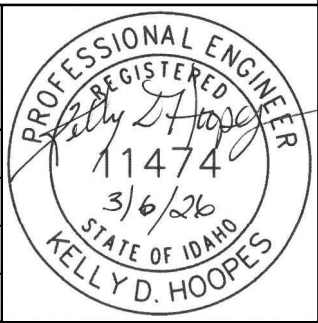
4 4" YELLOW COMBINATION SOLID AND BROKEN 12'/38' LINE

630-010A

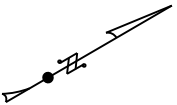
5 24" WHITE STOP LINE

6 LEFT HAND TURN ARROW 16 SF

REVISIONS				DESIGNED R TELFORD	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 20599_sns_001_ORD	DRAWING DATE: February 06, 2026	IDaho TRANSPORTATION DEPARTMENT	PROJECT NO. A020(599)	SIGNING & PAVEMENT MARKING PLAN W. SIDE FRONTAGE RD. MADISON COUNTY STA. 10+00 TO 22+00	English	
NO.	DATE	BY	DESCRIPTION								COUNTY	KEY NUMBER
											MADISON	20599
				DRAWING CHECKED B BURKE				HORROCKS ENGINEERS				SHEET 52 OF 67



T. 5N. R 39 E., SEC. 14, B.M.

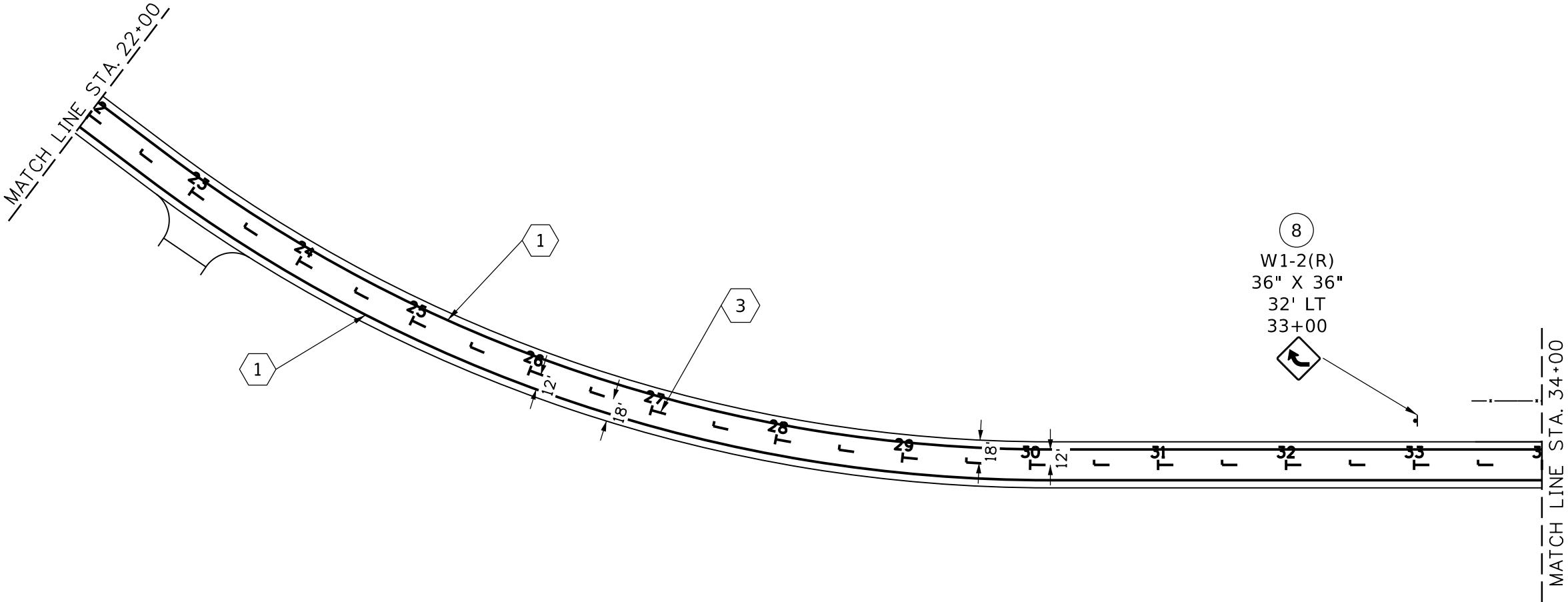


630-025A

LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE

5376 FT

STA. 22+00-
STA. 34+00



PAVEMENT MARKING LEGEND

- 630-025A
- 1

4" WHITE LINE
- 2

4" DOUBLE YELLOW LINE
- 3

4" YELLOW BROKEN 12'/38' LINE
- 4

4" YELLOW COMBINATION SOLID AND BROKEN 12'/38' LINE
- 630-010A
- 5

24" WHITE STOP LINE
- 6

LEFT HAND TURN ARROW 16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	R TELFORD
DESIGN CHECKED	J BAILEY
DETAILED	R TELFORD
DRAWING CHECKED	B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_002_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

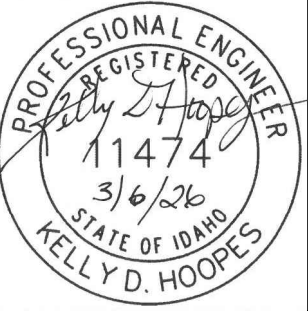


HORROCKS
ENGINEERS

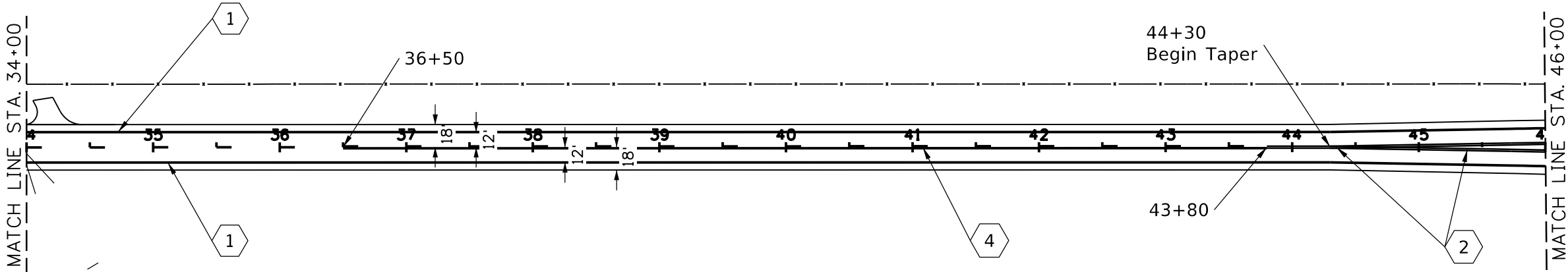
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 22+00 TO 34+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 53 OF 67



T. 5N. R 39 E., SEC. 14, B.M.



630-025A LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE
8,290 FT STA. 34+00-
STA. 46+00

PAVEMENT MARKING LEGEND

- 630-025A
- 1 4" WHITE LINE
 - 2 4" DOUBLE YELLOW LINE
 - 3 4" YELLOW BROKEN 12'/38' LINE
 - 4 4" YELLOW COMBINATION SOLID AND BROKEN 12'/38' LINE
- 630-010A
- 5 24" WHITE STOP LINE
 - 6 LEFT HAND TURN ARROW 16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	R TELFORD
DESIGN CHECKED	J BAILEY
DETAILED	R TELFORD
DRAWING CHECKED	B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_003_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

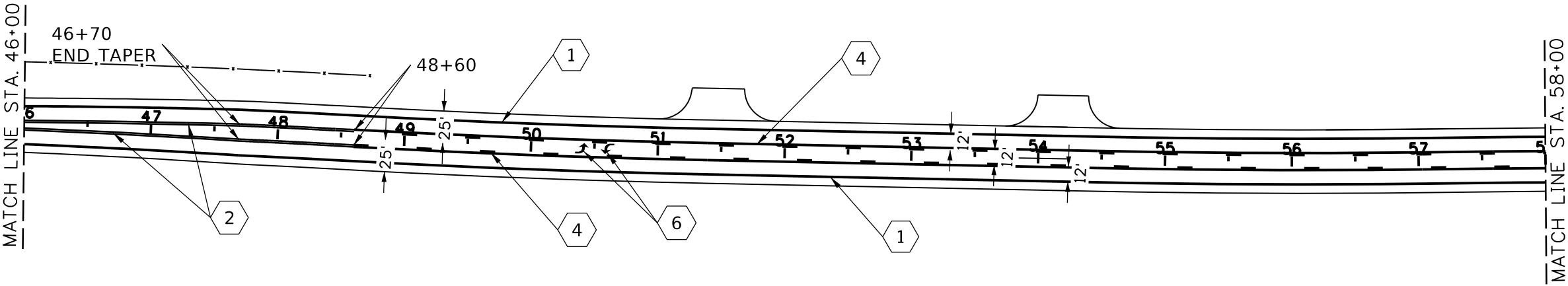
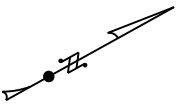
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 34+00 TO 46+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 54 OF 67



T. 6N. R. 39E., SEC. 11 BM



630-010A TRANSVERSE,
WORD, SYMBOL,
AND ARROW
PAVEMENT
MARKINGS-
PREFORMED
THERMOPLASTIC

32 SF STA. 50+50

630-025A LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE

11,543 FT STA. 46+00-
STA. 58+00

PAVEMENT MARKING LEGEND

- 630-025A
- 1 4" WHITE LINE
 - 2 4" DOUBLE YELLOW LINE
 - 3 4" YELLOW BROKEN 12'/38' LINE
 - 4 4" YELLOW COMBINATION SOLID AND BROKEN 12'/38' LINE

- 630-010A
- 5 24" WHITE STOP LINE
 - 6 LEFT HAND TURN ARROW 16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED R TELFORD
DESIGN CHECKED J BAILEY
DETAILED R TELFORD
DRAWING CHECKED B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_004_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

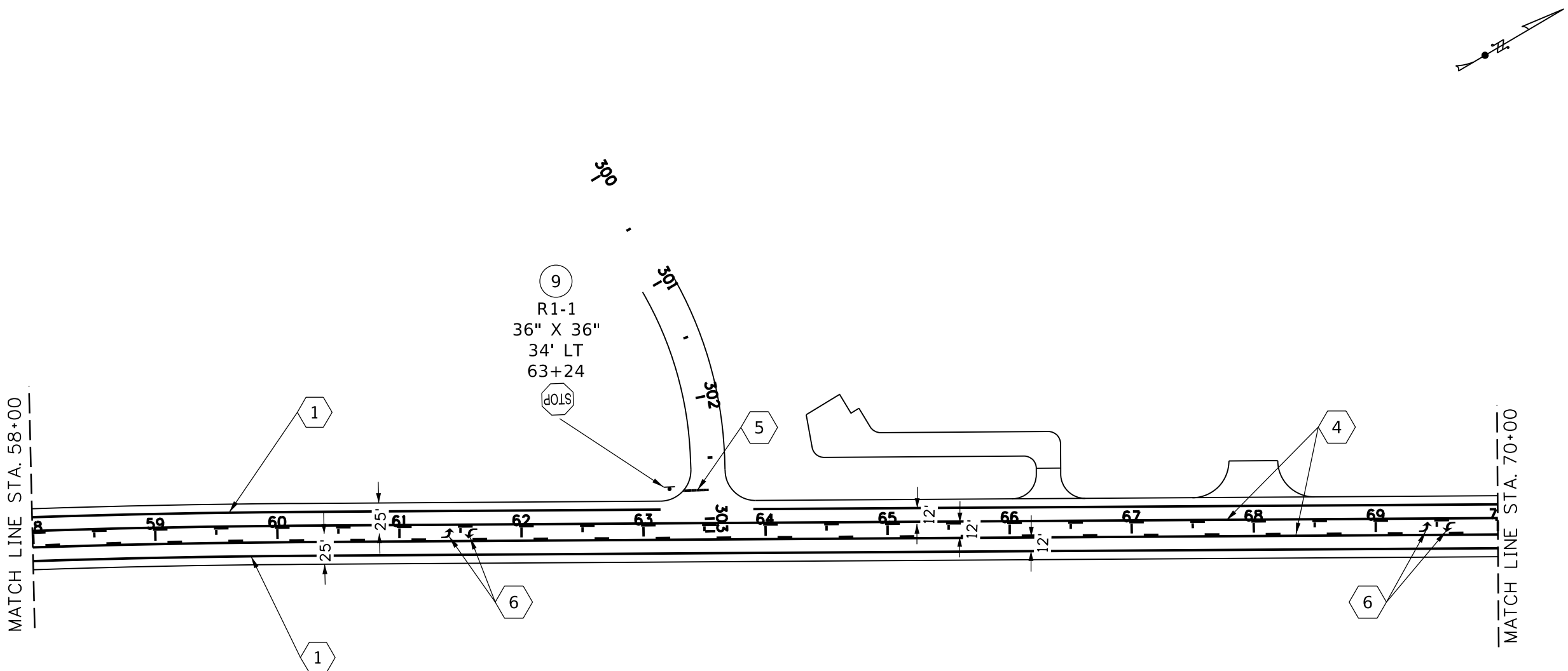
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 46+00 TO 58+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 55 OF 67



T. 5N. R. 39E., SEC. 11, BM



- 630-010A

TRANSVERSE,
WORD, SYMBOL,
AND ARROW
PAVEMENT
MARKINGS-
PREFORMED
THERMOPLASTIC
- 32 SF

STA. 61+50
- 41.6 SF

STA. 63+32.8 LT. to
STA. 63+53.6 LT.
- 32 SF

STA. 69+50
- 630-025A

LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE
- 10,752 FT

STA. 58+00-
STA. 70+00

PAVEMENT MARKING LEGEND

- 630-025A

1

4" WHITE LINE

2

4" DOUBLE YELLOW
LINE

3

4" YELLOW BROKEN
12'/38' LINE

4

4" YELLOW COMBINATION
SOLID AND BROKEN
12'/38' LINE
- 630-010A

5

24" WHITE STOP
LINE

6

LEFT HAND
TURN ARROW
16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	R TELFORD
DESIGN CHECKED	J BAILEY
DETAILED	R TELFORD
DRAWING CHECKED	B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_005_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

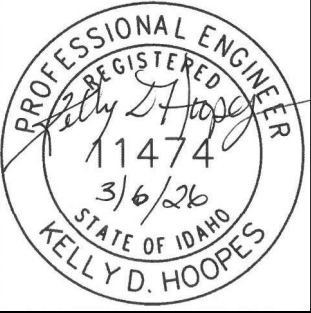


HORROCKS
ENGINEERS

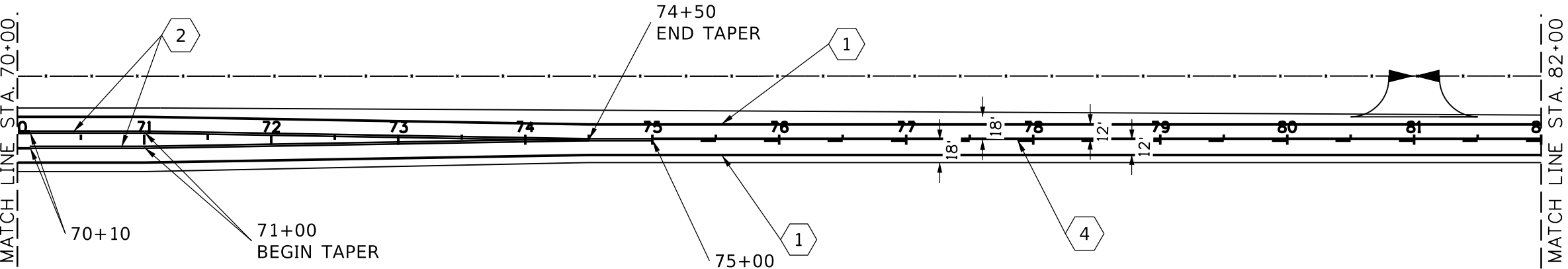
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 56 OF 67



T. 5N. R. 39E., SEC. 11, BM



630-025A LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE
10,306 FT STA. 70+00-
STA. 82+00

PAVEMENT MARKING LEGEND

630-025A

1 4" WHITE LINE

2 4" DOUBLE YELLOW
LINE

3 4" YELLOW BROKEN
12'/38' LINE

4 4" YELLOW COMBINATION
SOLID AND BROKEN
12'/38' LINE

630-010A

5 24" WHITE STOP
LINE

6 LEFT HAND
TURN ARROW
16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED R TELFORD
DESIGN CHECKED J BAILEY
DETAILED R TELFORD
DRAWING CHECKED B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_006_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

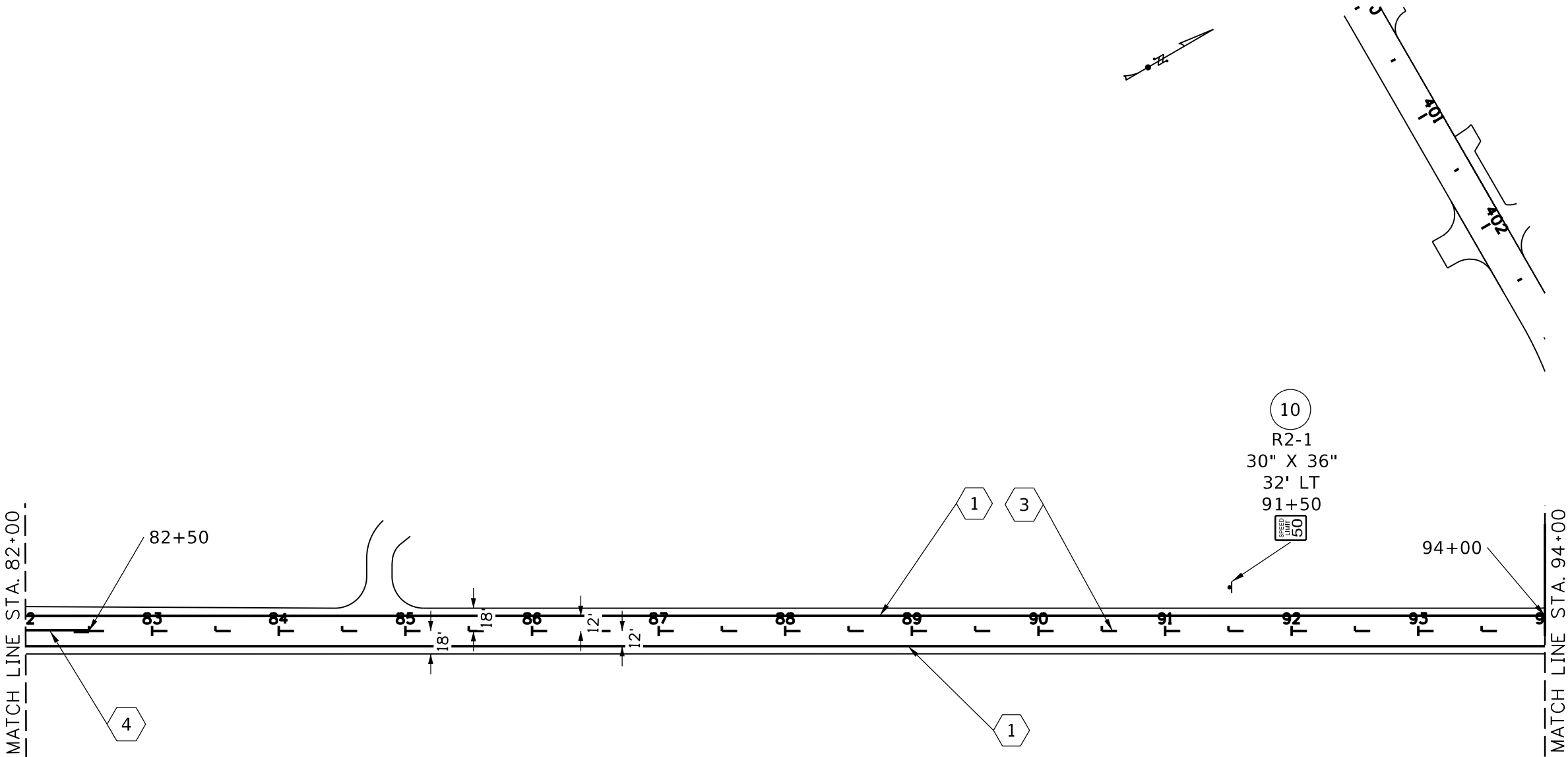
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 57 OF 67



T. 5N. R. 39E. SEC. 11, BM



630-025A LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE
5,476 FT STA. 70+00-
STA. 82+00

PAVEMENT MARKING LEGEND

- 630-025A
- 1 4" WHITE LINE
 - 2 4" DOUBLE YELLOW LINE
 - 3 4" YELLOW BROKEN 12'/38' LINE
 - 4 4" YELLOW COMBINATION SOLID AND BROKEN 12'/38' LINE
- 630-010A
- 5 24" WHITE STOP LINE
 - 6 LEFT HAND TURN ARROW 16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	R TELFORD
DESIGN CHECKED	J BAILEY
DETAILED	R TELFORD
DRAWING CHECKED	B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_007_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT

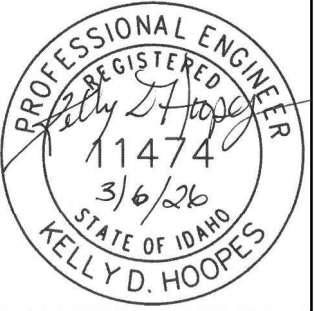


HORROCKS
ENGINEERS

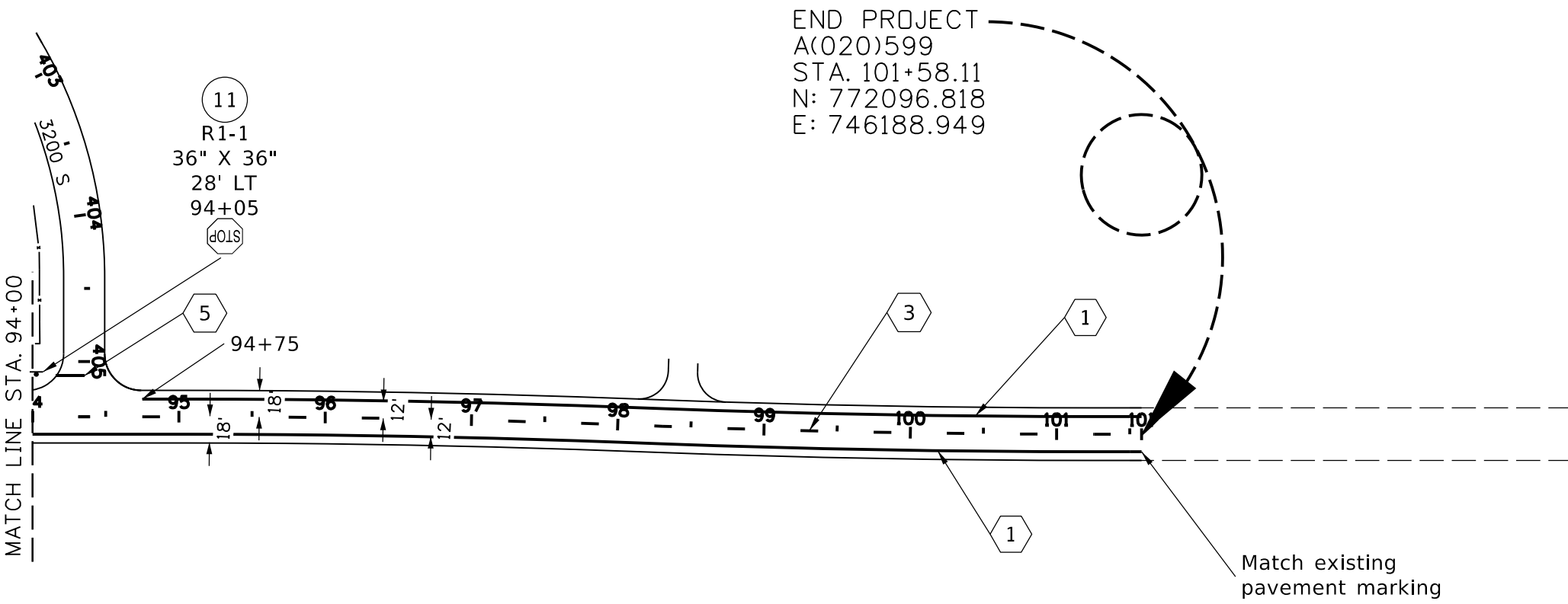
PROJECT NO.
A020(599)

SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 82+00 TO 94+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 58 OF 67



T. 6N. R. 39E., SEC. 11, BM



- 630-010A

TRANSVERSE,
WORD, SYMBOL,
AND ARROW
PAVEMENT
MARKINGS-
PREFORMED
THERMOPLASTIC

38 SF

STA. 94+16 LT. to
STA. 94+35 LT.
- 630-025A

LONGITUDINAL
PAVEMENT
MARKING-
WATERBORNE

3,247 FT

STA. 94+00-
STA. 101+58.11

PAVEMENT MARKING LEGEND

- 630-025A

1

4" WHITE LINE

2

4" DOUBLE YELLOW LINE

3

4" YELLOW BROKEN
12'/38' LINE

4

4" YELLOW COMBINATION
SOLID AND BROKEN
12'/38' LINE
- 630-010A

5

24" WHITE STOP
LINE

6

LEFT HAND
TURN ARROW
16 SF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED R TELFORD
DESIGN CHECKED J BAILEY
DETAILED R TELFORD
DRAWING CHECKED B BURKE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_sns_008_ORD.DGN
DRAWING DATE: February 06, 2026

IDAHO
TRANSPORTATION
DEPARTMENT



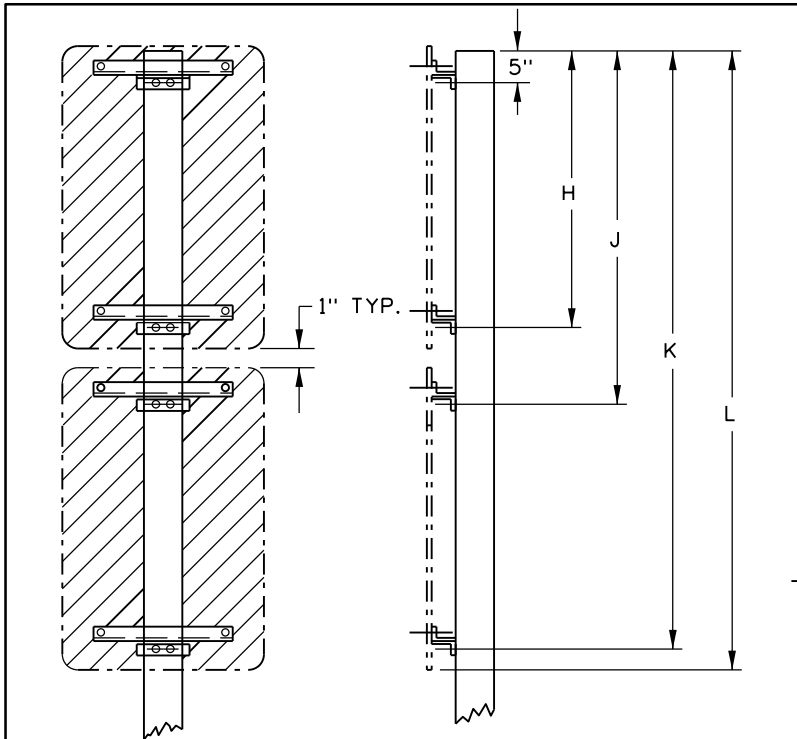
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

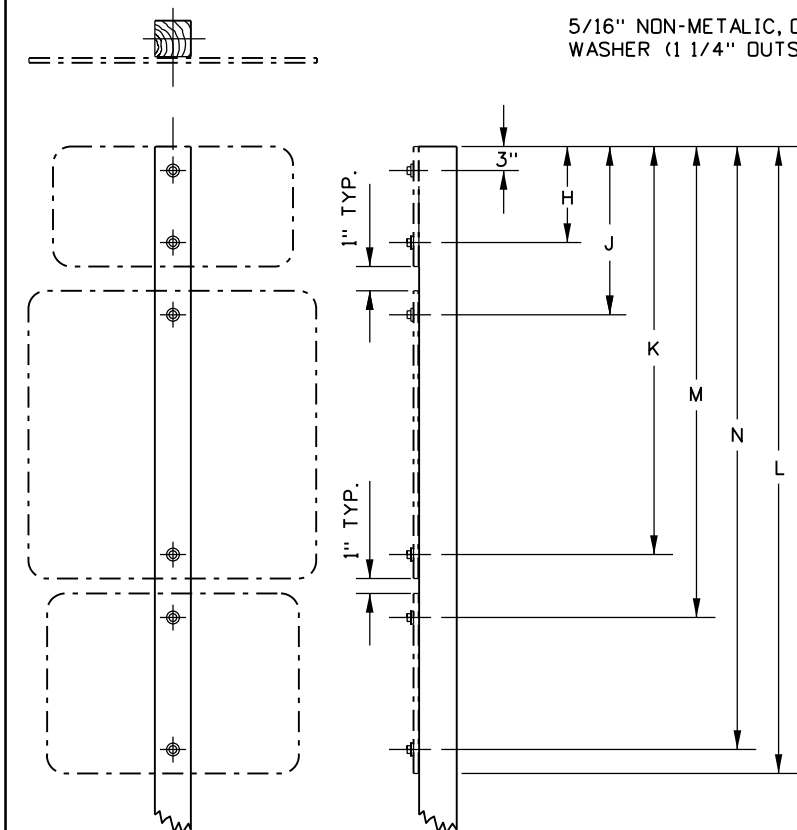
SIGNING & PAVEMENT MARKING PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 94+00 TO 101+58.11

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 59 OF 67

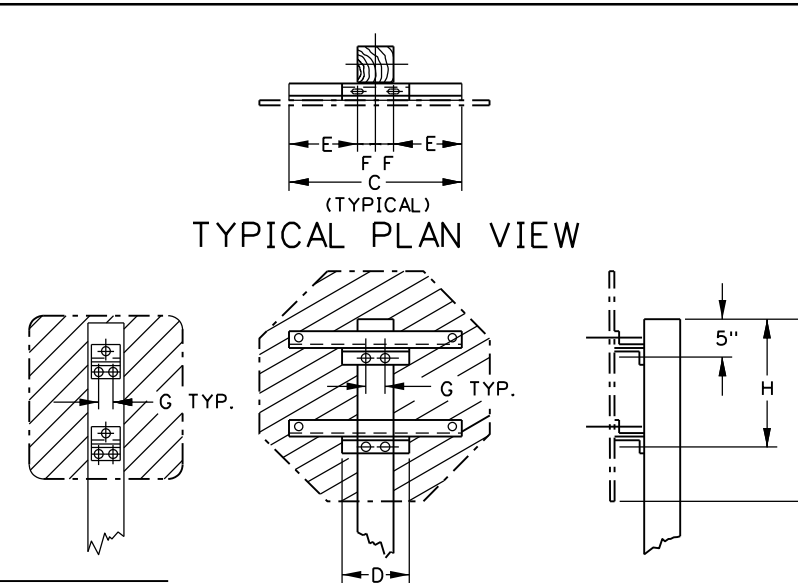




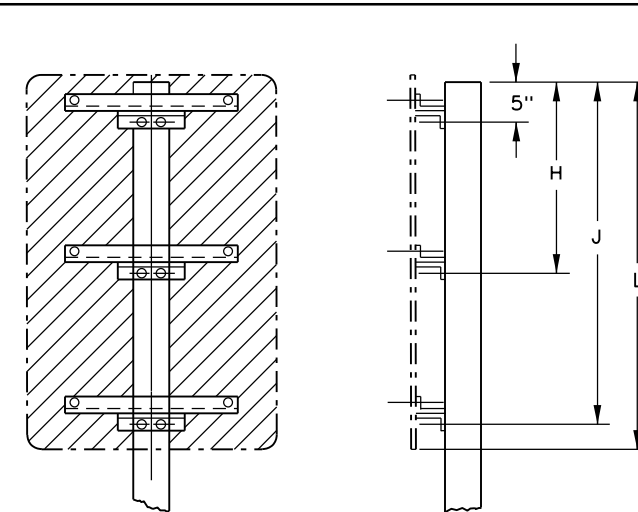
TYPICAL OF SIGNS MOUNTED
WITH EIGHT BRACE ANGLES



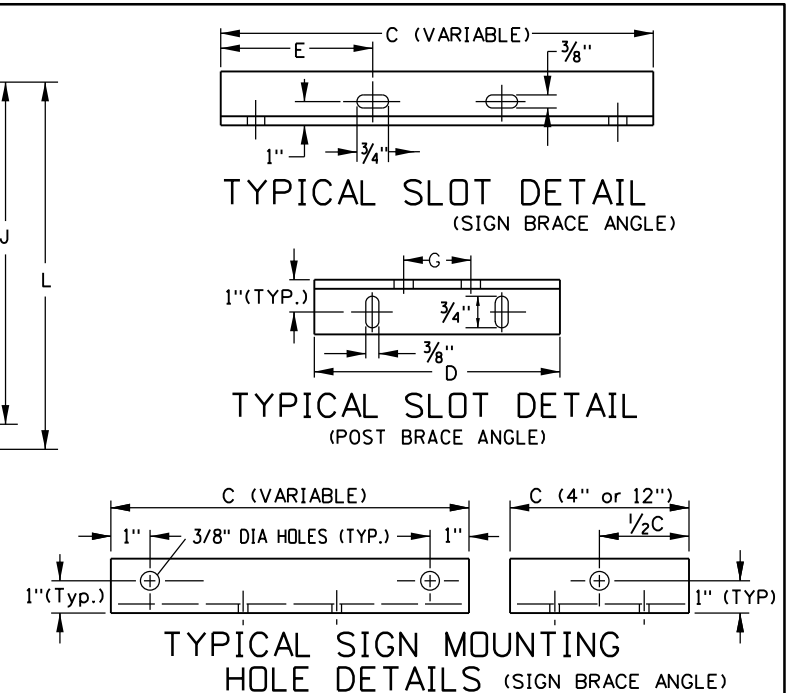
SIGNS MOUNTED
w/o BRACE ANGLES



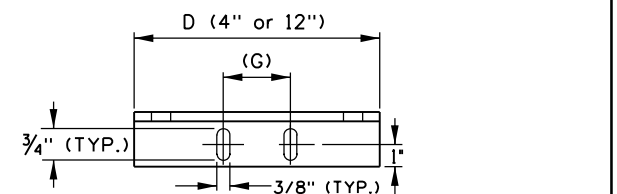
TYPICAL OF SIGNS MOUNTED
WITH FOUR BRACE ANGLES



TYPICAL OF SIGN MOUNTED
WITH SIX BRACE ANGLES



TYPICAL SIGN MOUNTING HOLE DETAILS (SIGN BRACE ANGLE)



**TYPICAL POST MOUNTING
SLOT DETAILS (POST BRACE ANGLE)**
NOTE: FOR 4" X 6" WOOD SIGN POSTS
(G) DISTANCE IS 1 $\frac{5}{8}$ ".

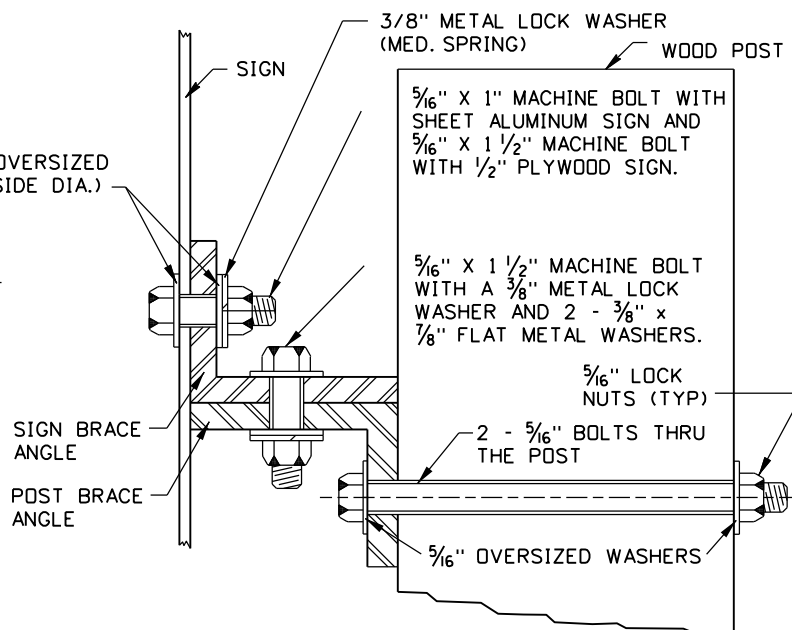
SIGNS MOUNTED
w/o BRACE ANGLES

[illegible]

SIGN DESCRIPTION	SIGN NO.	SIGN SIZE		H	J	K	M	N	L
		WIDTH	HEIGHT						
STOP	R1-1	30"	30"	27"	-	-	-	-	30"
SPEED LIMIT	R2-1	24"	30"	27"	-	-	-	-	30"
DO NOT PASS	R4-1	24"	30"	27"	-	-	-	-	30"
PASS WITH CARE	R4-2	24"	30"	27"	-	-	-	-	30"
KEEP RIGHT	R4-7	24"	30"	27"	-	-	-	-	30"
DO NOT ENTER	R5-1	30"	30"	27"	-	-	-	-	30"
ONE WAY	R6-1	36"	12"	6"	-	-	-	-	12"
WRONG WAY	R5-1a	36"	24"	21"	-	-	-	-	24"
CONFIRMING ROUTE SIGN	M1-1 THRU M1-5	24"	24"	21"	-	-	-	-	24"
CARDINAL DIRECTION SIGN ASSEMBLY	M3-1 THRU M3-4	24"	12"	10½"	-	-	-	-	37"
	RITE. SIGN	24"	24"	-	16"	34"	-	-	
TRAIL	M4-5	24"	12"	10½"	-	-	-	-	53"
BLAZER	RITE. SIGN	24"	24"	-	16"	34"	-	-	
ASSEMBLY	ARROW	21"	15"	-	-	-	39½"	51½"	

NOTES:

1. ALLBRACE ANGLES SHALL BE $1\frac{3}{4}" \times 1\frac{3}{4}" \times \frac{1}{4}"$
@ 2.77 LBS/FT.
2. SIGN BRACE ANGLES 4" OR 12" IN LENGTH SHALL
HAVE ONE SIGN MOUNTING HOLE ONLY.
3. SIGNS LESS THAN 36" x 36" MAY REQUIRE
BRACE ANGLES.
4. DRAWING NOT TO SCALE.



BRACE ANGLE
ATTACHMENT DETAIL

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME td58_0917.dgn DRAWING DATE:
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	
				DETAILED	
				DRAWING CHECKED	

IDAHO
TRANSPORTATION
DEPARTMENT



PROJECT NO.
A020(599)

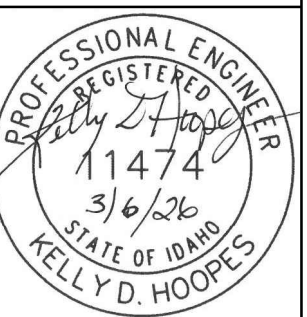
SIGNING DETAIL SHEET

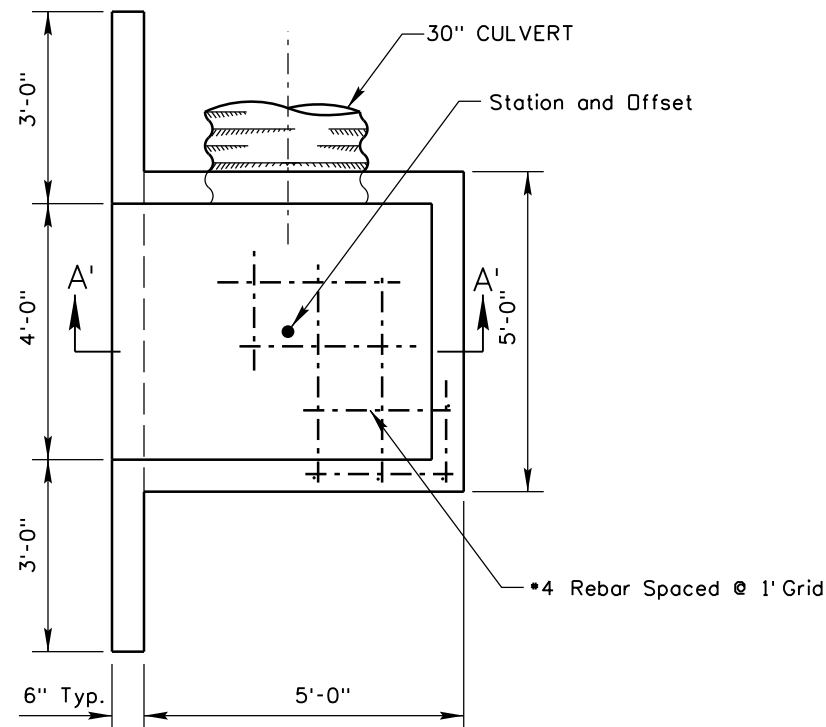
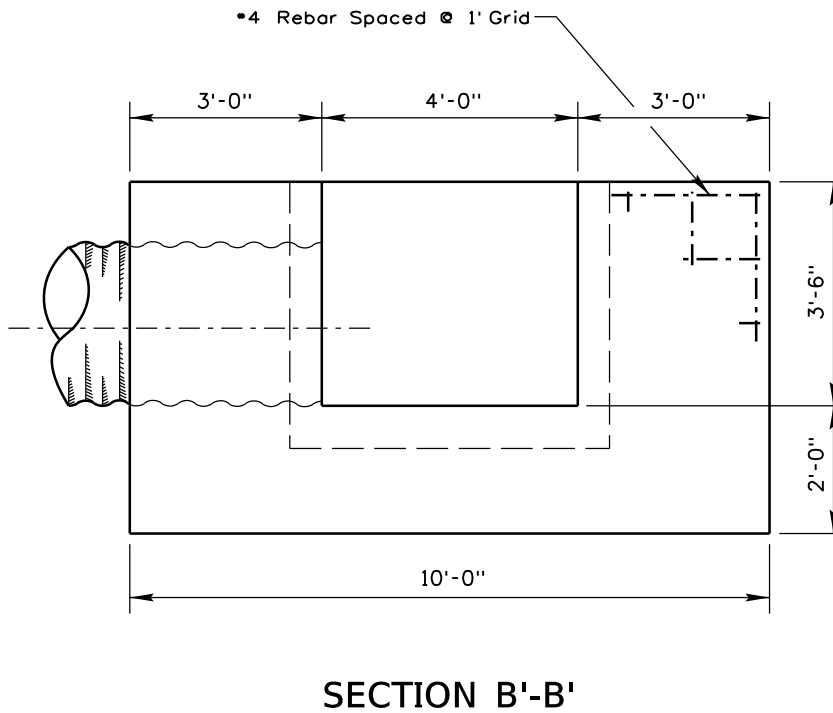
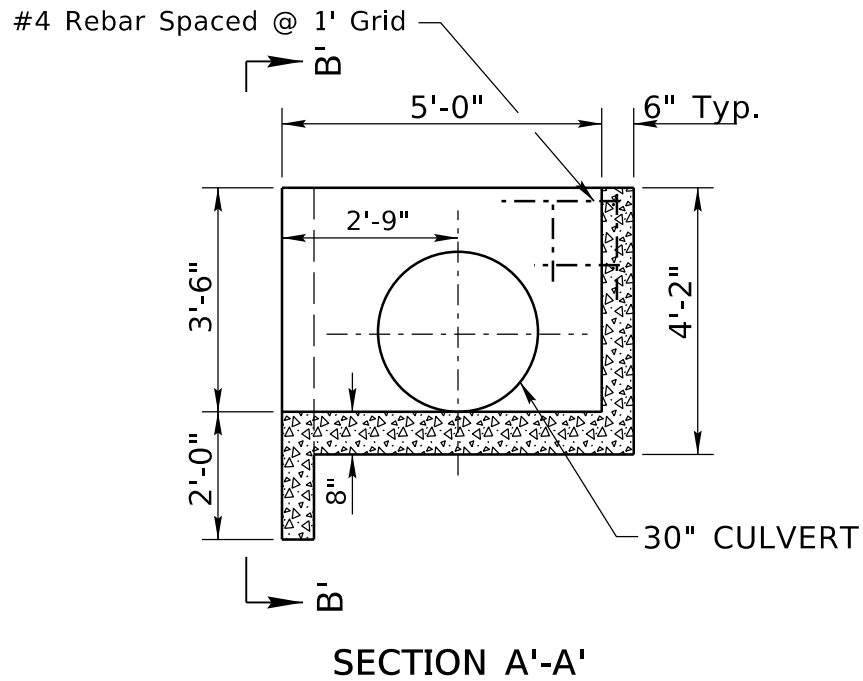
WOOD SIGN POST
BRACE ANGLE AND
SPACING DETAILS

English

COUNTY	MADISON
KEY NUMBER	20599

SHEET 60 OF 66





NOTES:

1. All reinforcing shall be No. 4 bars approximately 1' on center. All reinforcement shall have a minimum concrete cover of 2" or 3" if cast against earth.
2. Cast-In-Place Check Box shall conform to Section 609 - Minor Structures, of the ITD Standard Specifications for Highway Construction.
3. All edges to have $\frac{3}{4}$ " chamfer or tooled edges.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	K HOOPES	
DETAILED	J PRICE	CADD FILE NAME 20599_irr_006.dgn
DRAWING CHECKED	K HOOPES	DRAWING DATE: February 06, 2026

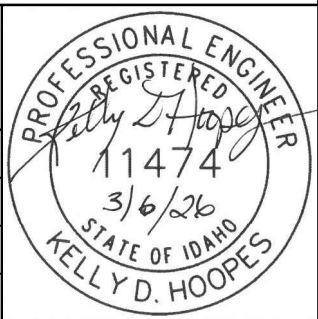
IDAHO
TRANSPORTATION
DEPARTMENT

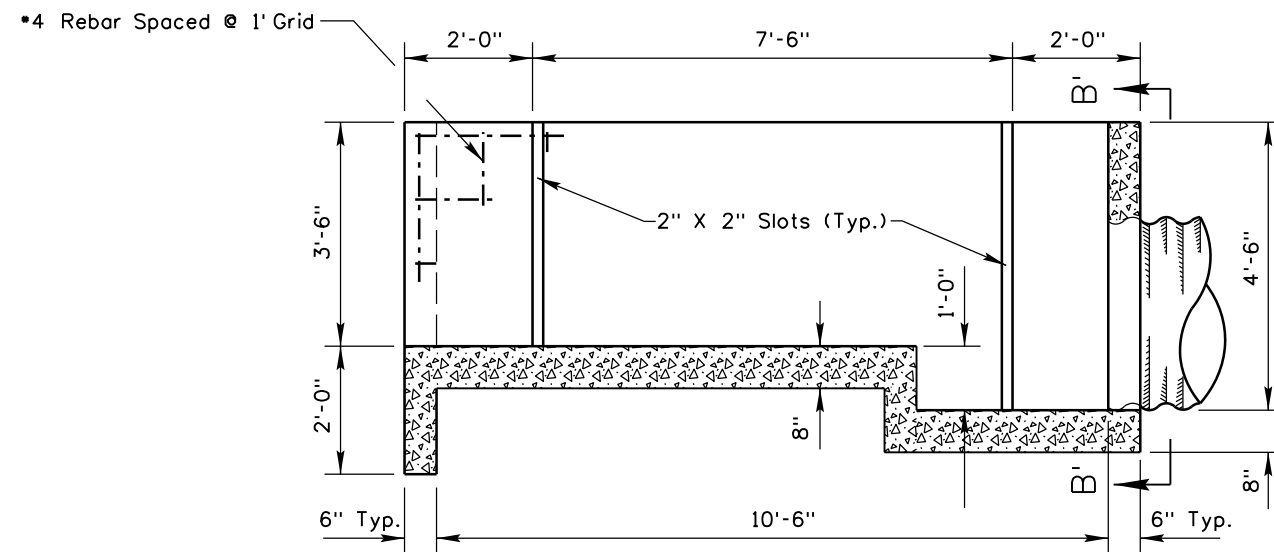
HORROCKS
ENGINEERS



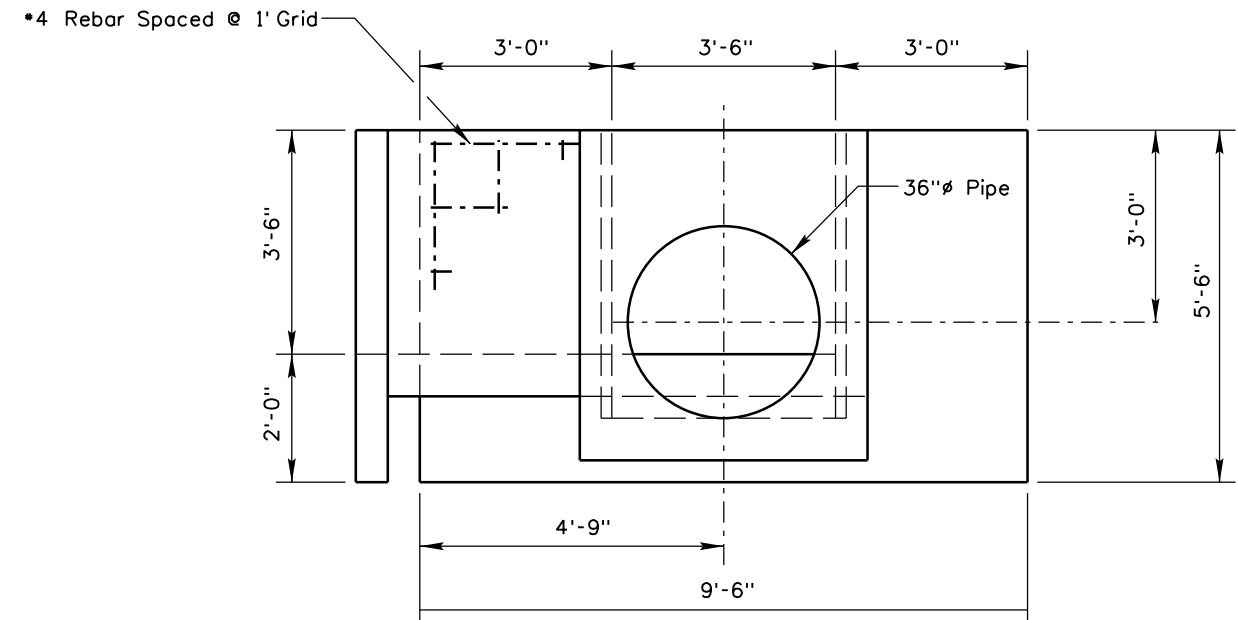
PROJECT NO.	IRRIGATION STRUCTURE DETAIL
REID CANAL CD	REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 61 OF 67

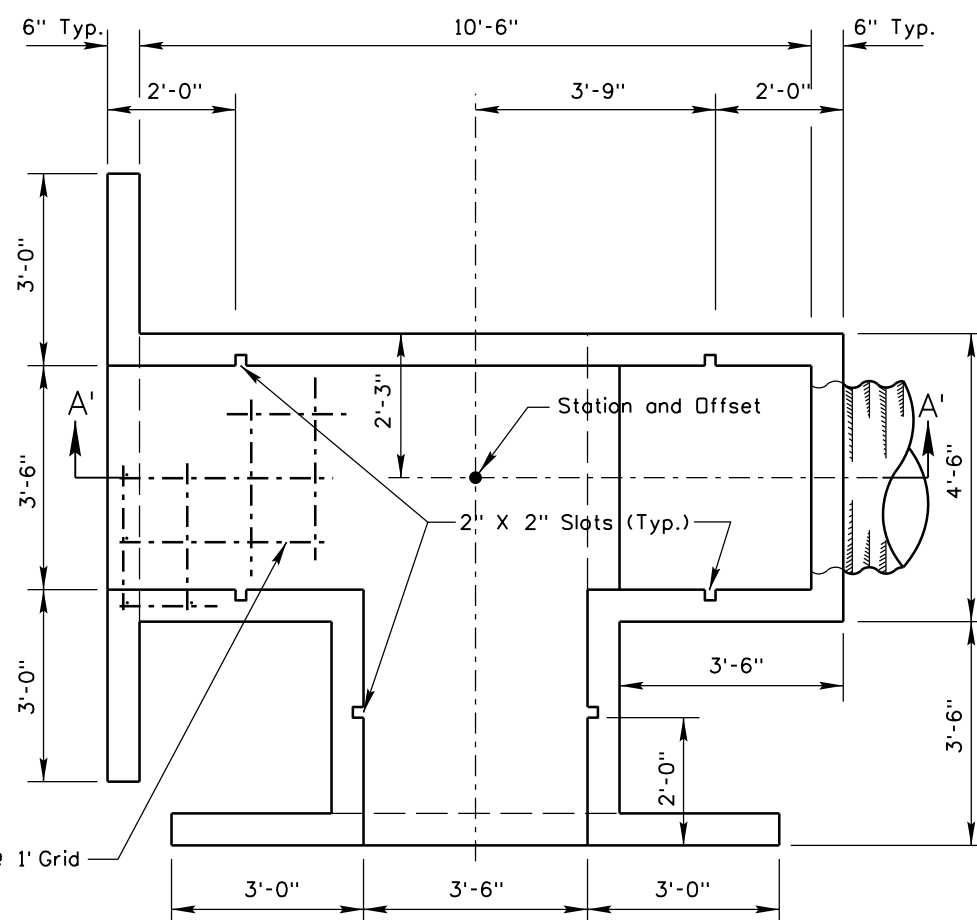




SECTION A'-A'



SECTION B'-B'



DIVERSION BOX - TYPE 2 (609-025B)

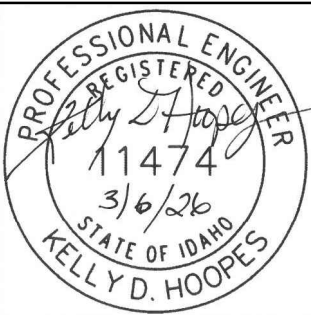
REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED K HOOPES	
				DETAILED J PRICE	CADD FILE NAME 20599_irr_006.dgn
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026

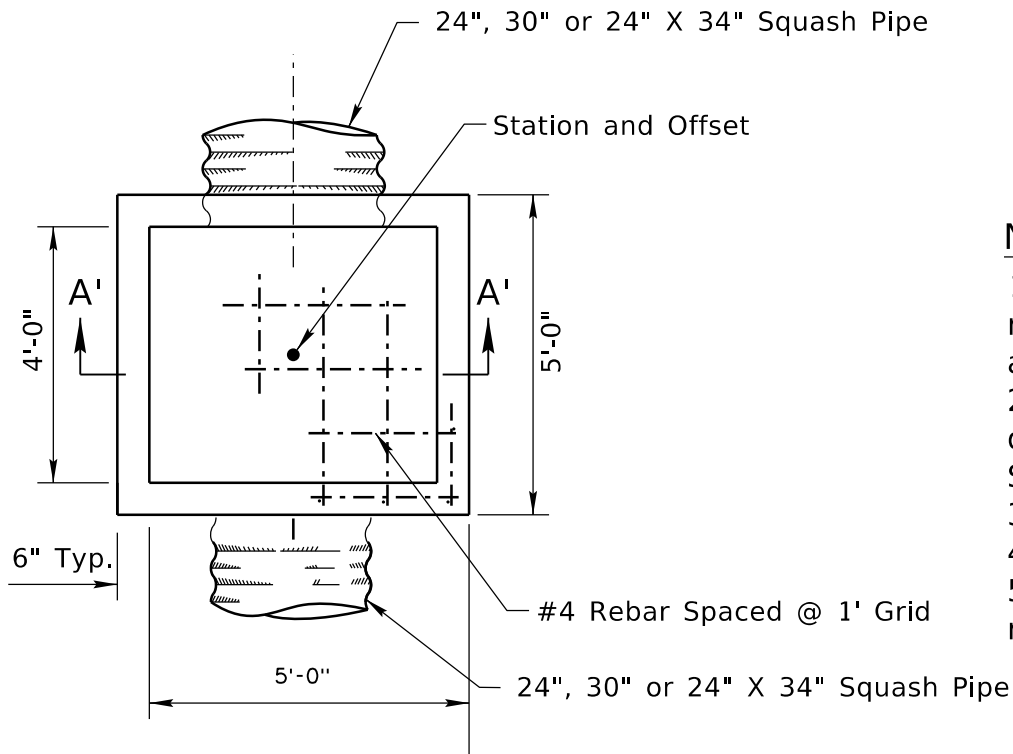
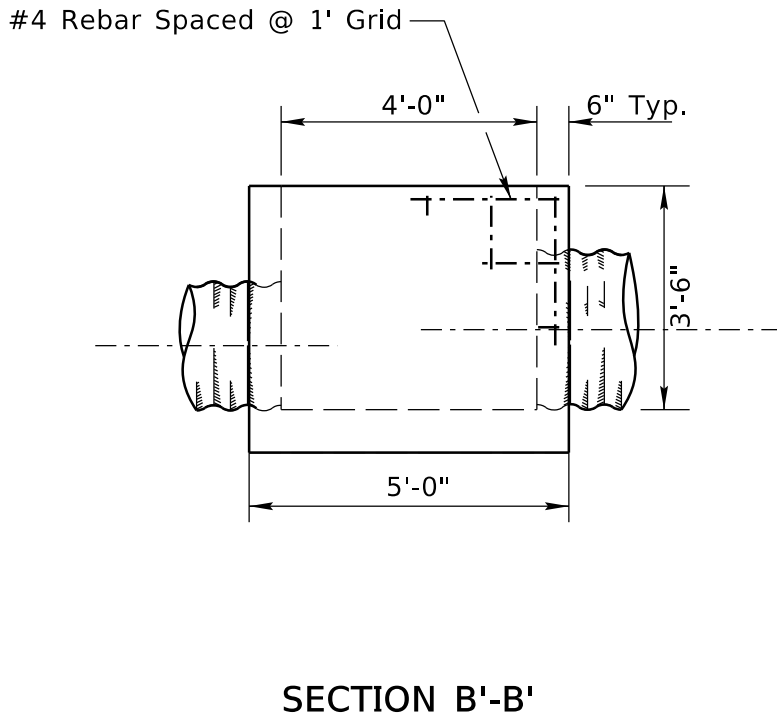
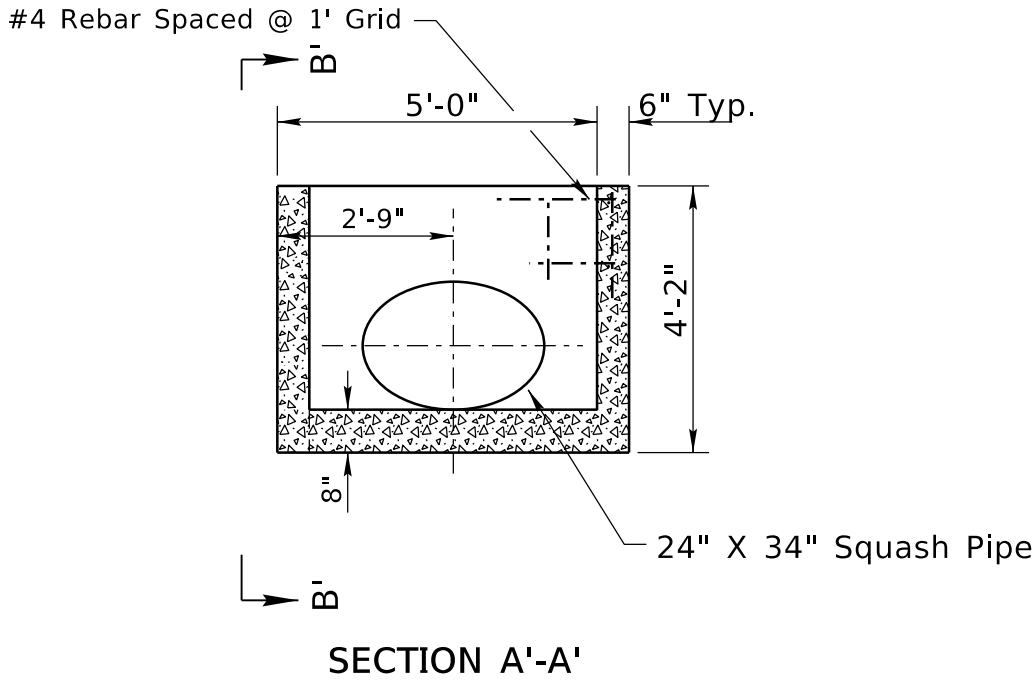
IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

PROJECT NO.		IRRIGATION STRUCTURE DETAIL		English
REID CANAL CD	REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY	COUNTY	MADISON	
		KEY NUMBER	20599	
		SHEET 62 OF 67		





NOTES:

1. All reinforcing shall be No. 4 bars approximately 1' on center. All reinforcement shall have a minimum concrete cover of 2" or 3" if cast against earth.
2. Cast-In-Place Check Box shall conform to Section 609 - Minor Structures, of the ITD Standard Specifications for Highway Construction.
3. All edges to have $\frac{3}{4}$ " chamfer or tooled edges.
4. Install expanded metal cover as debris screen on diversion box.
5. Detail as shown is for in-line connection. 90° angle connection will be required for diversion box at STA. 97+43.84, 58.2' Lt.

DIVERSION BOX - TYPE 3 (609-025C)

REVISIONS				DESIGNED	J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	K HOOPES	
				DETAILED	J PRICE	CADD FILE NAME 20599_irr_006.dgn
				DRAWING CHECKED	K HOOPES	
						DRAWING DATE: February 06, 2026

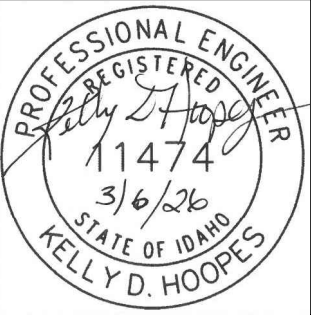
IDAHO
TRANSPORTATION
DEPARTMENT

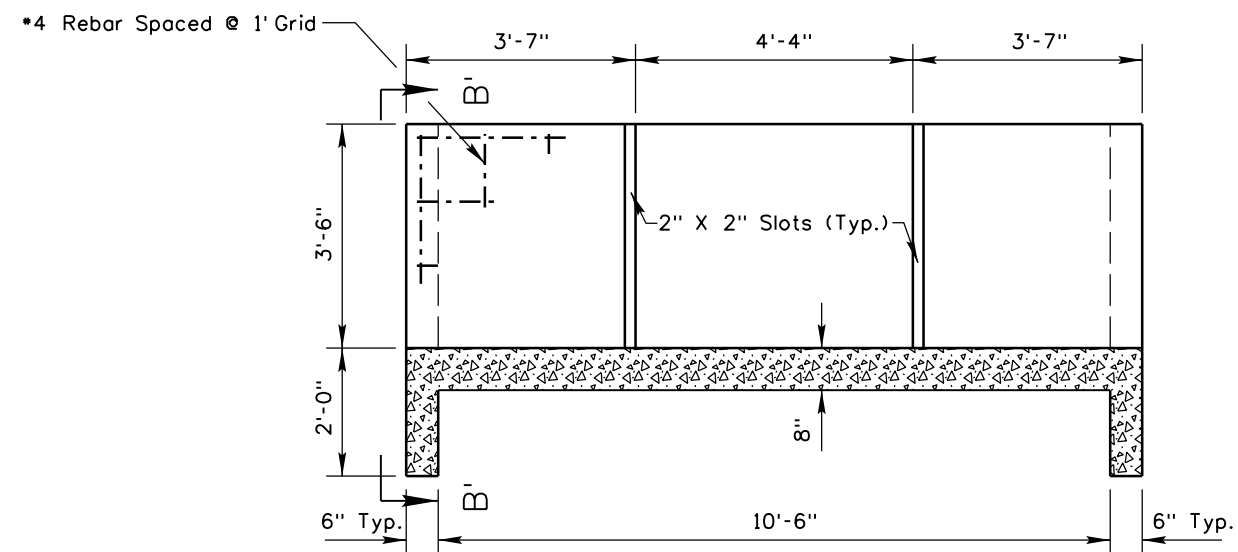


HORROCKS
ENGINEERS

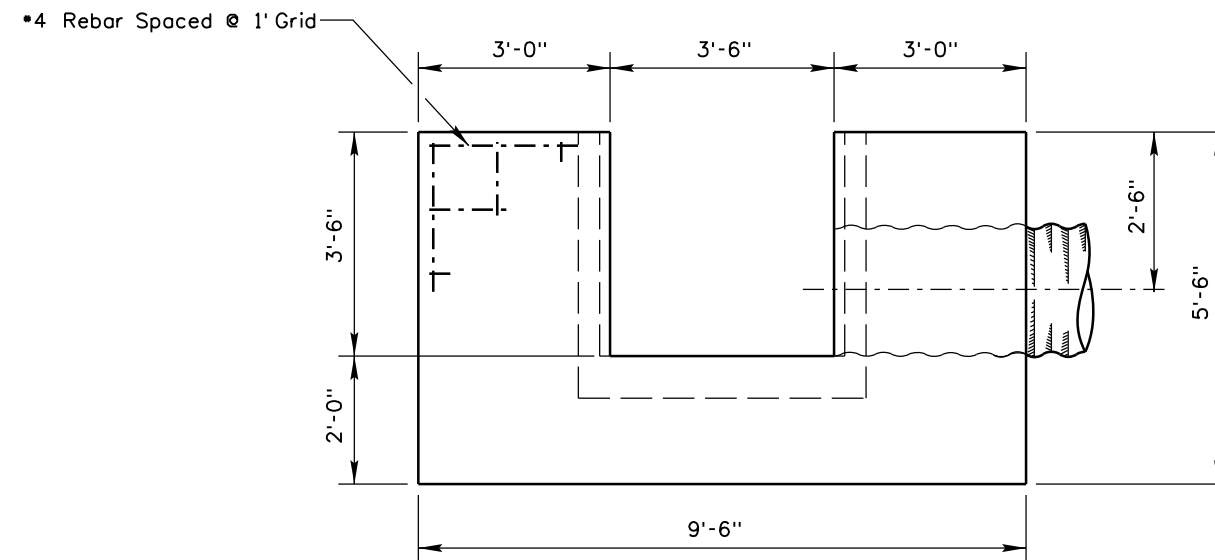
PROJECT NO.	IRRIGATION STRUCTURE DETAIL
REID CANAL CD	REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 63 OF 67

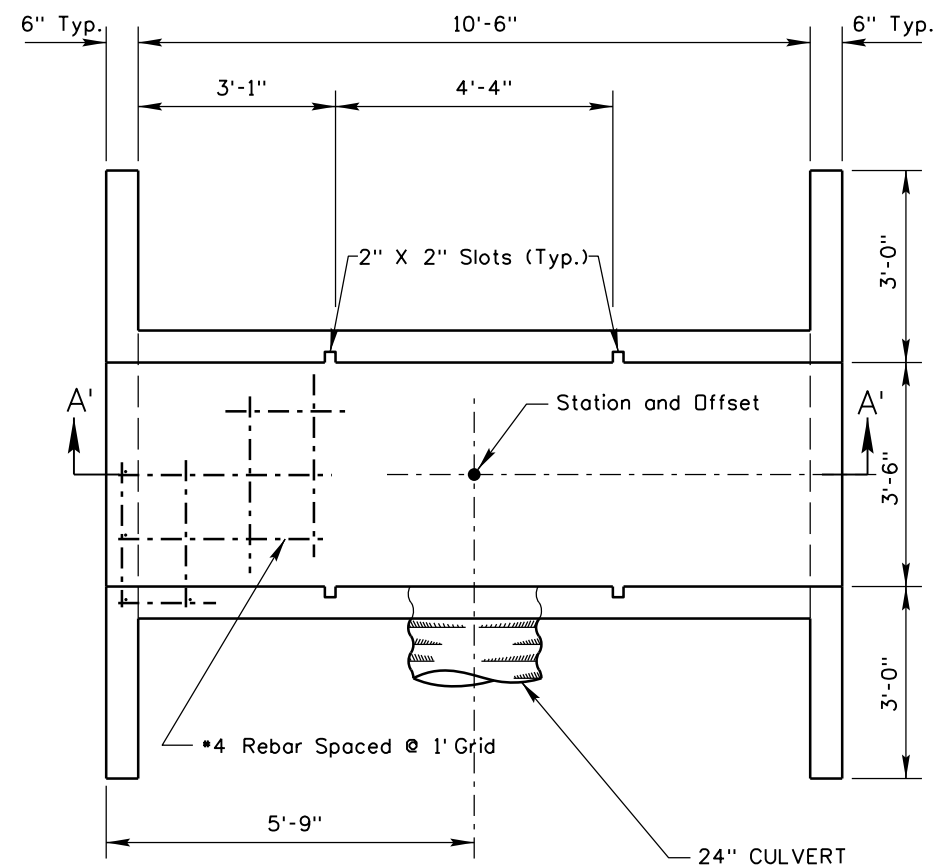




SECTION A'-A'



SECTION B'-B'



DIVERSION BOX - TYPE 4 (609-025D)

NOTES:

1. All reinforcing shall be No. 4 bars approximately 1' on center. All reinforcement shall have a minimum concrete cover of 2" or 3" if cast against earth.
2. Cast-In-Place Check Box shall conform to Section 609 - Minor Structures, of the ITD Standard Specifications for Highway Construction.
3. All edges to have $\frac{3}{4}$ " chamfer or tooled edges.

REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED K HOOPES	
				DETAILED J PRICE	CADD FILE NAME 20599_irr_006.dgn
				DRAWING CHECKED K HOOPES	DRAWING DATE: February 06, 2026

**IDAHO
TRANSPORTATION
DEPARTMENT**

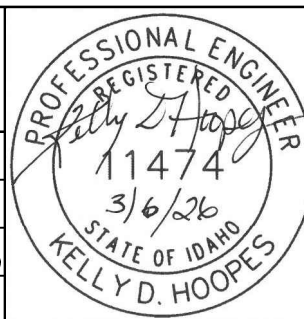
HORROCKS
ENGINEERS



PROJECT NO.	
	REID CANAL CO

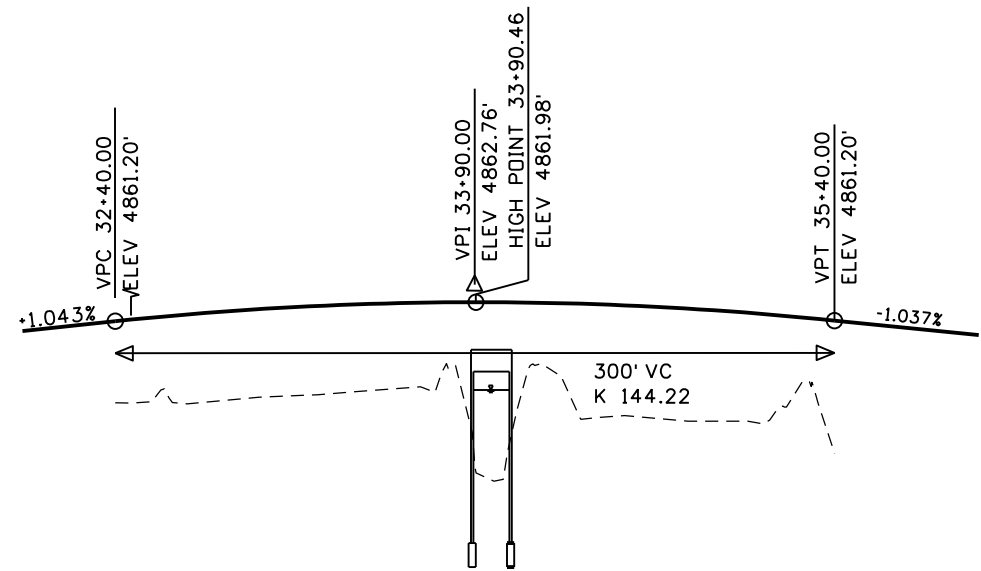
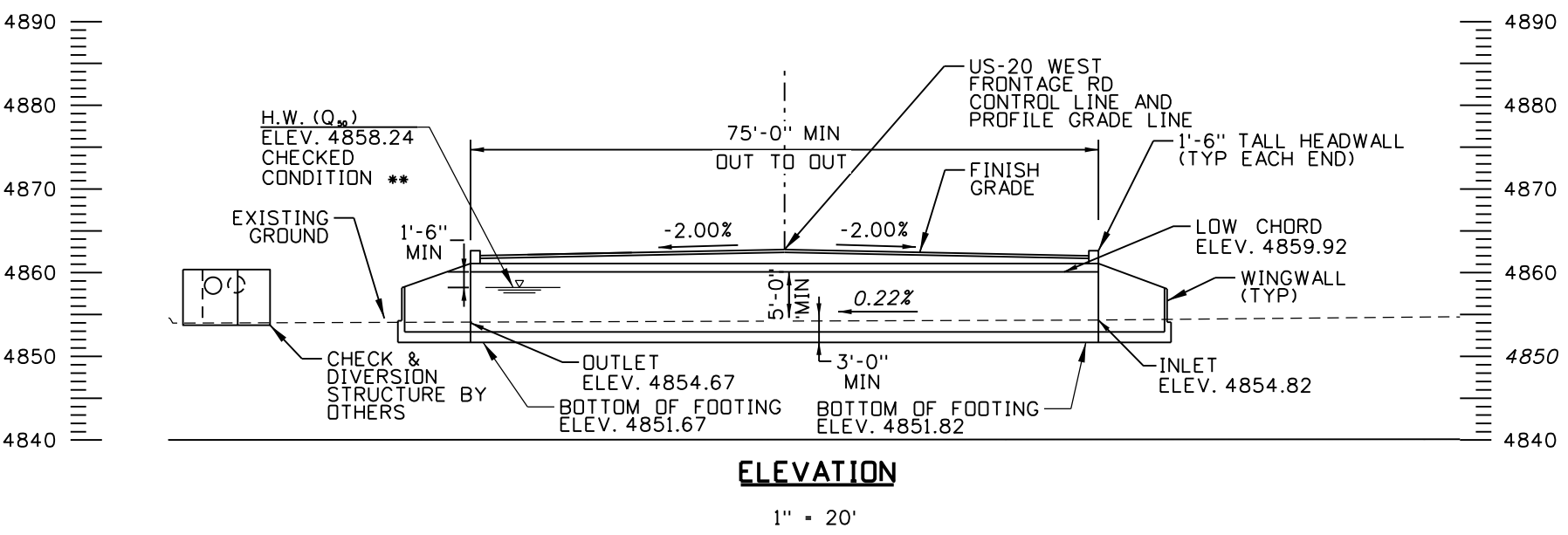
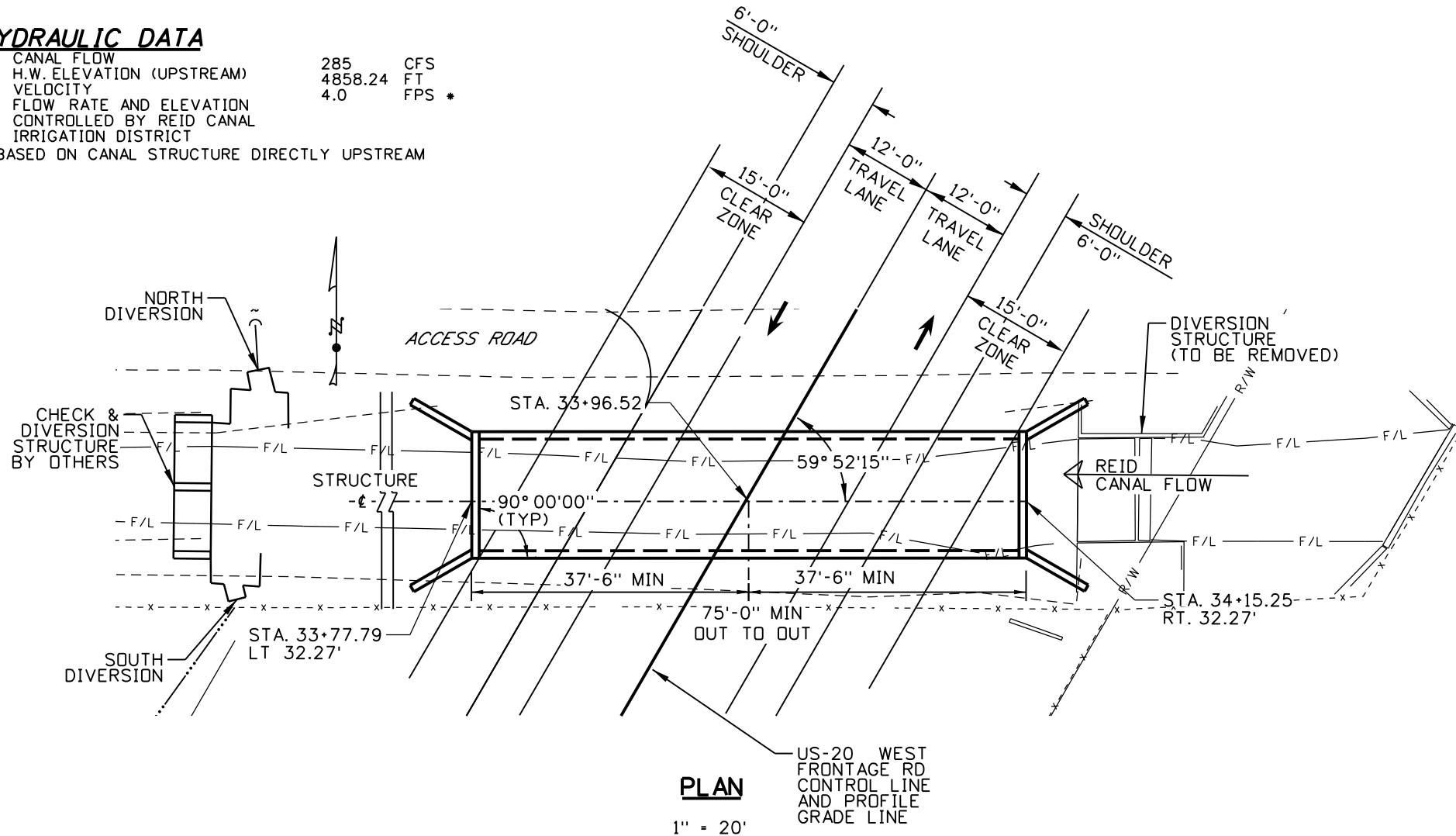
IRRIGATION STRUCTURE DETAIL	
REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY	

English	
COUNTY	MADISON
KEY NUMBER	20599
SHEET 64 OF 67	



HYDRAULIC DATA

CANAL FLOW
H.W. ELEVATION (UPSTREAM) 285 CFS
4858.24 FT
VELOCITY 4.0 FPS *
FLOW RATE AND ELEVATION
CONTROLLED BY REID CANAL
IRRIGATION DISTRICT
* BASED ON CANAL STRUCTURE DIRECTLY UPSTREAM



DESIGN NOTES

DESIGN LOADS

PERMANENT LOADS			
DC	UNIT WEIGHT OF REINFORCED CONCRETE	0.150	kcf
DW	FUTURE SURFACING	0.07	ksf
EV	UNIT WEIGHT OF SOIL	0.145	kcf
	FILL DEPTH	0.50 TO 0.56	ft

SEE SOILS REPORT KN 20599 - 03115 - REID CANAL
BRIDGE PHASE IV REPORT PREPARED 3-6-2020 FOR
SOIL PARAMETERS AND VALUES FOR DESIGN

TRANSIENT LOADS

LL	HL-93		
IM	DYNAMIC ALLOWANCE APPLIED TO TRUCK & TANDEM		
LS	LIVE LOAD SURCHARGE AT CULVERT	2.5	ft
	LIVE LOAD SURCHARGE AT WINGWALL	2.5	ft

MATERIAL

CONCRETE:	f'c = 4.0	ksi min
METAL REINFORCEMENT: AASHTO M31, GRADE 60	fy = 60.00	ksi

PLAN DIMENSIONS AND ELEVATIONS

ALL EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 3/4" UNLESS NOTED OTHERWISE.
REINFORCING STEEL SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

CONSTRUCTION

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT THE LOCATIONS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
APPLY TYPE D CONCRETE WATERPROOFING SYSTEM TO TOP AND SIDES OF PRECAST STRUCTURE AND ALONG ALL JOINTS IN STIFFLEG CULVERT. SUBMIT SYSTEM AND APPLICATION TO ENGINEER FOR APPROVAL.
THE DIFFERENCE IN ELEVATION OF THE BACKFILL MATERIAL ON BOTH SIDES OF THE STRUCTURE SHALL NOT EXCEED 2 FEET DURING BACKFILL OPERATIONS.
THE ROLLER SHALL BE IN THE STATIC MODE FOR COMPACTING FILL AGAINST CULVERT WALLS OR THE ASPHALT WEARING SURFACE OVER THE CULVERT WHEN THE DEPTH OF FILL IS LESS THAN 3'.
ALL ELEVATIONS ARE BASED ON NAVD 88 DATUM.
TEMPORARY EXCAVATION AND CONSTRUCTION SLOPES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

INCIDENTAL ITEMS

ALL ITEMS SHOWN OR NOTED ON PLANS WHICH ARE NOT SPECIFICALLY BID ITEMS ARE CONSIDERED INCIDENTAL ITEMS. THE COST OF FURNISHING AND INSTALLING ALL INCIDENTAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS UNLESS NOTED OTHERWISE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K HOOPES	CADD FILE NAME 20599_S&L_001_ORD.DGN
DETAILED J PRICE	DRAWING DATE: February 06, 2026
DRAWING CHECKED A DRINKWALTER	

IDAHO TRANSPORTATION DEPARTMENT

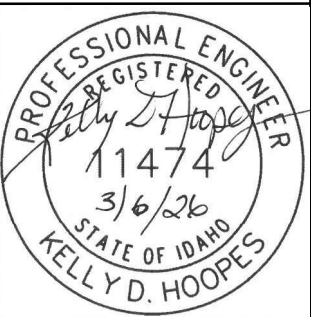
HORROCKS ENGINEERS

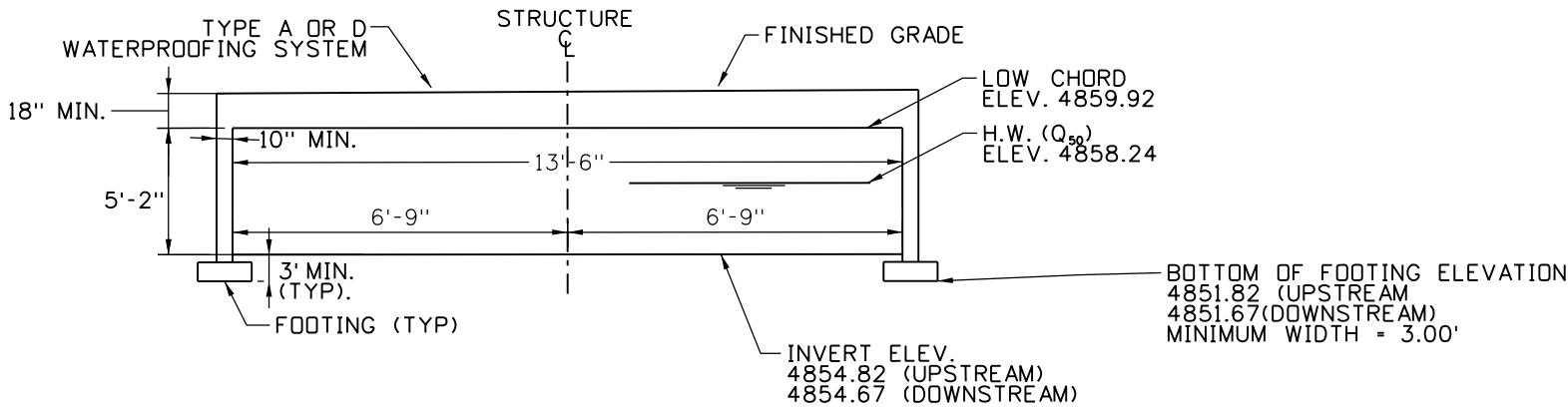
IDAHO TRANSPORTATION DEPARTMENT

PROJECT NO.
REID CANAL CO

SITUATION AND LAYOUT
REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY

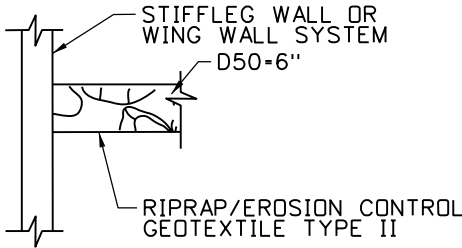
English
COUNTY MADISON
KEY NUMBER 20599
SHEET 65 OF 67



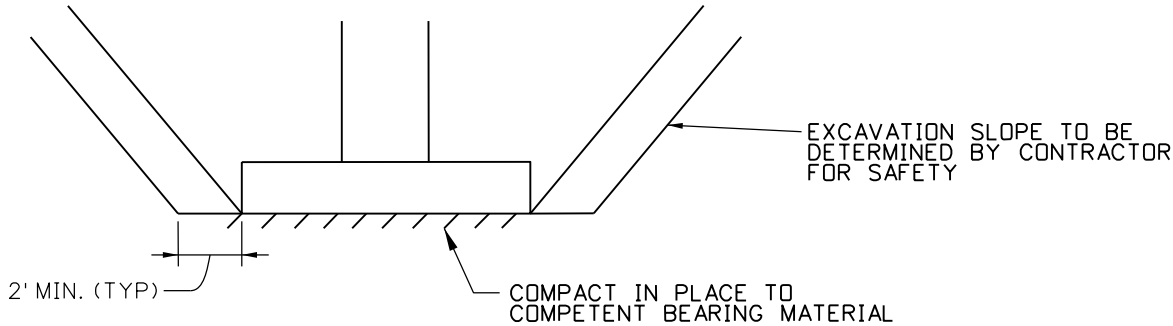


PRECAST CONCRETE STIFFLEG CULVERT
NTS

CONTRACTOR TO PROVIDE A MINIMUM COVER OF 3' ABOVE
FOOTING TOE



RIPRAP DETAIL
NTS



FOOTING DETAIL
NTS

SPREAD FOOTINGS
SITE SOILS SHOULD BE EXCAVATED AT THE SPREAD FOOTING FOUNDATION LOCATIONS TO THE DESIGN BASE ELEVATION AT THE REID CANAL. THE EXCAVATIONS SHALL EXTEND Laterally AT LEAST 2 FEET BEYOND THE PERIMETER PRISM OF THE FOOTING FOUNDATIONS.

CONCRETE STIFFLEG WALLS AND WING WALLS
GRANULAR SUBBASE (703.11) MEETING THE REQUIREMENTS OF *ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION* SHALL EXTEND AT LEAST 8 FEET BEHIND CONCRETE STIFFLEG WALLS AND WING WALLS.

WATERPROOFING SYSTEM
TYPE A OR D WATERPROOFING SYSTEM SHALL BE APPLIED TO THE TOP SLAB FROM FACE OF HEADWALL TO FACE OF HEADWALL AND A MINIMUM OF 3 FEET DOWN THE EXTERIOR WALLS OF THE STRUCTURE. A MINIMUM OF 4" OF COVER SHALL BE PROVIDED ABOVE WATERPROOFING ON TOP SLAB.

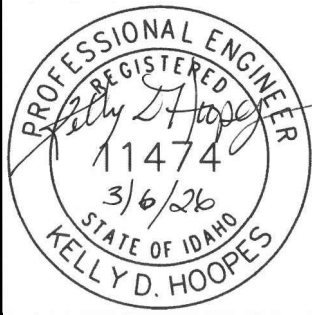
STIFFLEG BRIDGE
1. PROVIDE A PROPRIETARY PRECAST SYSTEM SELECTED FROM TYPICAL SECTION SHOWN.
2. PRECAST SUPPLIER SHALL DESIGN JOINTS TO TRANSFER SHEAR AS REQUIRED PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
3. A MINIMUM OF 12" WIDE JOINT WRAP MEETING ASTM C877 SHALL BE APPLIED TO THE FULL LENGTH OF PRECAST JOINTS. SEE JOINT DETAILS.
4. OFFSET JOINTS BETWEEN PRECAST FOOTING SECTIONS A MINIMUM OF 2 FEET FROM PRECAST BARREL SECTION JOINTS.

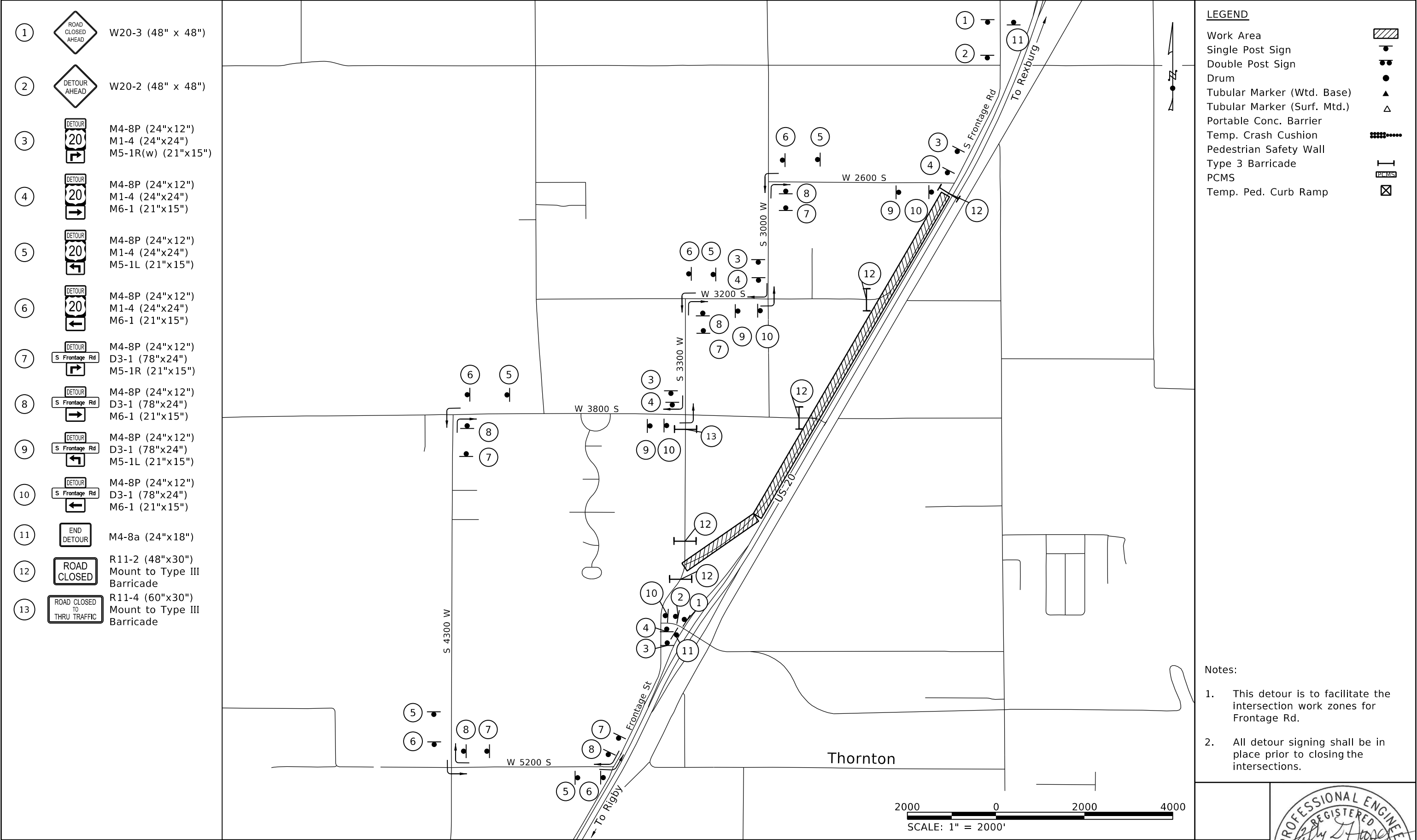
REVISIONS				DESIGNED J PRICE DESIGN CHECKED K HOOPES DETAILED J PRICE DRAWING CHECKED K HOOPES	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 20599_S&L_001_ORD.DGN DRAWING DATE: February 06, 2026	PROJECT NO. REID CANAL CO	SITUATION AND LAYOUT REID CANAL STRUCTURES FOR THE W. SIDE FRONTAGE RD. MADISON COUNTY	English COUNTY MADISON KEY NUMBER 20599 SHEET 66 OF 67
NO.	DATE	BY	DESCRIPTION					

IDAHO
TRANSPORTATION
DEPARTMENT

IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS





LEGEND	
Work Area	
Single Post Sign	
Double Post Sign	
Drum	
Tubular Marker (Wtd. Base)	
Tubular Marker (Surf. Mtd.)	
Portable Conc. Barrier	
Temp. Crash Cushion	
Pedestrian Safety Wall	
Type 3 Barricade	
PCMS	
Temp. Ped. Curb Ramp	

- Notes:
1. This detour is to facilitate the intersection work zones for Frontage Rd.
 2. All detour signing shall be in place prior to closing the intersections.

REVISIONS				DESIGNED J. Smith DESIGN CHECKED K. Hoopes DETAILED J. Smith DRAWING CHECKED K. Hoopes	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 20599_Detr_01.dgn DRAWING DATE: February 06, 2026	IDAHO TRANSPORTATION DEPARTMENT YOUR Safety→YOUR Mobility→YOUR Economic Opportunity	PROJECT NO. A020(599)	DETOUR PLAN W SIDE FRONTAGE RD	ENGLISH	
NO.	DATE	BY	DESCRIPTION						COUNTY MADISON	SHEET 67 OF 67
									KEY NUMBER 20599	

EXISTING /PROPOSED

PAVED APPROACH

BARN

BUILDING FOUNDATION

HOUSE

DECK

SILO

EXISTING /PROPOSED

BUSH

SLOPE OF TERRAIN

DRAINAGE FLOW

EMBANKMENT PROTECTOR

DRAINAGE FLOW

FOUND GPS CONTROL POINT

MAILBOX

MARSH

MATERIAL SOURCE

PHOTO CENTER

RIP RAP

SIPHON

SPOT ELEVATION

STOCKPILE SITE

STUMP

TREE

WETLAND

FLAG POLE

IRRIGATION BOX

SPRINKLER

BUSH BOUNDARY

CULTIVATION BOUNDARY

TREE BOUNDARY

EDGE OF ROAD EXISTING

TRAIL

RAILROAD TRACKS

TOP OF RAIL (RAILROAD)

ANGLE POINT

CONCRETE MONUMENT

FOUND /SET BRASS OR ALLOY CAP

FOUND PLASTIC CAP

FOUND IRON PIPE /SET IRON PIPE

PK NAIL

FOUND /SET NUMBER 4 REBAR

FOUND /SET NUMBER 5 REBAR

FOUND NUMBER 6 REBAR

RIGHT OF WAY MARKER

FOUND /SET SPIKE

FOUND /SET STONE

EXISTING /PROPOSED

FOUND /ESTIMATED QUARTER CORNER

FOUND /ESTIMATED SECTION CORNER

STATE LINE

TOWNSHIP AND RANGE LINE

RESERVATION BOUNDARY

FOREST BOUNDARY

SECTION LINE

QUARTER SECTION LINE

SIXTEENTH SECTION LINE

COUNTY LINE

CITY LIMITS

EASEMENT LINE

PERMANENT EASEMENT LINE

INTERSTATE RIGHT OF WAY LINE

RIGHT OF WAY LINE

PURCHASED ACCESS CONTROL LINE

PROPERTY LINE

RAILROAD RIGHT OF WAY LINE

TEMPORARY EASEMENT

TEMPORARY EASEMENT HATCH

SILT FENCE

FIBER WATTLE

SEDIMENT BASIN

ROCK CHECK DAM

DIKE SWALE

EXISTING /PROPOSED

RAILROAD PROTECTION DEVISE

RAILROAD SIGNAL

RAILROAD SWITCH

GUY & ANCHOR

JUNCTION BOX

ELECTRIC MANHOLE

METER

ELECTRIC POLE

TRANSMISSION TOWER

ELECTRIC VAULT

FIRE HYDRANT

RISER GAS OR OIL ETC.

TELEPHONE OR LIGHT POLE

MANHOLE

WELL

CATCH BASIN OR INLET

OVER HEAD ELECTRIC

UNDER GROUND ELECTRIC CABLE

OVER HEAD FIBER OPTIC

UNDER GROUND FIBER OPTIC

OVER HEAD TELEPHONE

UNDER GROUND TELEPHONE

OVER HEAD TELEVISION

UNDER GROUND TELEVISION CABLE

WATER LINE

GAS LINE

OIL LINE

PIPE BELL INDICATES FLOW DIRECTION

IRRIGATION SIPHON

IRRIGATION LINE

SANITARY SEWER

STORM SEWER

UNDER DRAIN

CONDUIT OR CASING

ITS CONDUIT

EXISTING /PROPOSED

HORIZONTAL ALIGNMENT CONTROL LINE

CURB

GUTTER

COMBINATION CURB AND GUTTER

CULVERT WITH FLOW INDICATOR

CULVERT WITH APRONS

METAL GUARDRAIL

CONCRETE BARRIER

FENCE

FENCE ON INTERSTATE ROW LINE

FENCE ON ROW LINE

FENCE ON PURCHASED ACCESS LINE

FENCE ON PROPERTY LINE

FENCE ON RAILROAD ROW LINE

GATE

SNOW FENCE

RETAINING WALL

EDGE OF WATER OR FLOW LINE

EXISTING GROUND

TOE OF FILL (SLOPE LIMIT)

TOP OF CUT (SLOPE LIMIT)

ROAD CLOSURE

DELINEATOR TYPE 1

DELINEATOR TYPE 2

DELINEATOR TYPE 3

DELINEATOR TYPE 4

SIGN SINGLE POST

SIGN DOUBLE POST

EMERGENCY VEHICLE PREEMPT DETECTOR

ELECTRICAL SERVICE PEDESTAL

VIDEO DETECTION CAMERA

LUMINAIRE HEAD

ILLUMINATION POLE

STOP BAR

YIELD LINE

FLAGGER STATION

FLAGGER STATION

OFFICIAL

03/22/2021

R/W PLANS

REVISIONS				DESIGNED J PRICE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO. A020(599)	LEGEND SHEET W. SIDE FRONTAGE RD. MADISON COUNTY	English COUNTY MADISON KEY NUMBER 20599 SHEET 1 OF 12		
NO.	DATE	BY	DESCRIPTION								
				DESIGN CHECKED J BAILEY							
				DETAILED J PRICE	CADD FILE NAME 20599_lgnd_001.dgn						
				DRAWING CHECKED J BAILEY	DRAWING DATE: MARCH 2021	HORROCKS ENGINEERS					

Coordinate System and Projection Information:

Horizontal Datum: North American Datum of 1983 (NAD83)
Vertical Datum: North American Vertical Datum 1988 (NAVD88)
Coordinate System: US State Plane 1983, (2011) Idaho East Zone 1101
Epoch Date: 2010
Project Units: US Survey Foot
Combined Scale Factor: 1.000275022
Scale Location: 0,0
False Northing: 0.00
False Easting: 0.00
Project Height: 4797.817 ft
GEOID Model: GEOID09
Project BM: 100

Coordinate Conversions:

Project Coordinates Were Calculated Based Off NAD83 US State Plane Idaho East Zone Coordinates. Then Scaling said Coordinates by the Combined Factor from 0,0

Project Coordinates to State Plane Coordinates
State Plane Northing = (Project Northing)/1.000275022
State Plane Easting = (Project Easting)/1.000275022)

Notes:

Horizontal Control was Established Using Static GPS Observations and then Processing Through Opus.

Primary Survey Control Consists of Existing and Newly Established Survey Monuments. All Secondary Control Points were Derived from Said Primary Control Points.

The Benchmark for this Project is Control Point 100, an ITD Brass Cap, Designated "BM 539L9 2011" Set in 2011 with Published Elevation of 4858.938' as Determined from ITD Project KN 08454.

* Primary and Secondary Vertical Control were Established Using Static and RTK Methods Beginning at PT Number 100. Geoid09 was Used to Match Aforementioned ITD Project KN 08454.

POINT NUMBER	PROJECT PRIMARY GROUND COORDINATES			GEO COORDINATES			STATE PLANE COORDINATES		DESCRIPTION
	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	
100	764916.55	742341.74	4858.94	43°45'52.24109"N	111°50'28.41363"W	4821.89	764706.24	742137.63	Brass Cap - BM 539L9 2011
101	764677.88	740810.45	4854.55	43°45'49.94348"N	111°50'49.28795"W	4817.49	764467.63	740606.77	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
102	766069.71	743117.41	4858.33	43°46'03.59662"N	111°50'17.78383"W	4821.31	765859.08	742913.09	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
103	768872.61	743433.12	4852.46	43°46'31.25860"N	111°50'13.33044"W	4815.44	768661.21	743228.71	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
104	768792.41	744158.23	4856.30	43°46'30.43808"N	111°50'03.45432"W	4819.30	768581.03	743953.62	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
105	770303.78	745581.28	4851.97	43°46'45.30369"N	111°49'43.97959"W	4815.00	770091.98	745376.29	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
106	771549.57	744866.38	4848.44	43°46'57.63260"N	111°49'53.65296"W	4811.45	771337.43	744661.58	Rebar w/ Plastic Cap - HORROCKS ENGINEERS
107	772403.61	746408.46	4849.41	43°47'06.00283"N	111°49'32.58984"W	4812.45	772191.24	746203.23	Rebar w/ Plastic Cap - HORROCKS ENGINEERS

POINT NUMBER	PROJECT SECONDARY GROUND COORDINATES			GEO COORDINATES			STATE PLANE COORDINATES		DESCRIPTION
	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	
300	765305.89	741320.67	4854.79	43°45'56.12468"N	111°50'42.30380"W	4817.74	765095.48	741116.84	Rebar w/ Plastic Cap - K.L.T.
301	766242.67	741341.46	4858.35	43°46'05.37311"N	111°50'41.97093"W	4821.30	766031.99	741137.63	Brass Cap - 2IN ITD BM 539K17 2011
302	762906.53	740630.30	4857.03	43°45'32.46089"N	111°50'51.83521"W	4819.97	762696.77	740426.67	Brass Cap - IDAHO STATE HIGHWAY
303	765239.07	741320.48	4854.52	43°45'55.46488"N	111°50'42.30990"W	4817.46	765028.67	741116.65	Rebar w/ Plastic Cap - KLT 10563
304	764916.98	741319.92	4854.22	43°45'52.28472"N	111°50'42.33461"W	4817.16	764706.66	741116.09	Brass Cap - H.L.E. 1514 15571
305	764916.54	743969.17	4863.90	43°45'52.17733"N	111°50'06.24194"W	4826.90	764706.23	743764.62	Aluminum Cap - BL CARDON PLS 1023 CENTER S14
306	767555.67	743972.73	4857.57	43°46'18.23451"N	111°50'06.04943"W	4820.56	767344.63	743768.18	Aluminum Cap - BL CARDON RLS 1037 14
307	767555.99	741325.23	4853.97	43°46'18.34081"N	111°50'42.12266"W	4816.91	767344.95	741121.40	Aluminum Cap - UNREADABLE
308	770213.37	743970.95	4848.64	43°46'44.47534"N	111°50'05.92861"W	4811.63	770001.60	743766.40	Brass Cap - US 20 STA 1302+79.6 1130.5 LT C1/4 S11 PLS 13259 2018
309	768884.55	743971.91	4855.58	43°46'31.35519"N	111°50'05.98815"W	4818.58	768673.14	743767.35	5/8" Rebar
310	770220.04	741319.07	4847.56	43°46'44.64443"N	111°50'42.06551"W	4810.50	770008.27	741115.25	Aluminum Cap - UNREADABLE
311	772860.88	746625.74	4851.07	43°47'10.50877"N	111°49'29.60292"W	4814.11	772648.38	746420.46	Aluminum Cap - 854
312	771562.52	745298.27	4850.88	43°46'57.74325"N	111°49'47.76654"W	4813.89	771350.38	745093.35	1/2" Rebar
313	771542.80	743969.98	4846.48	43°46'57.60147"N	111°50'05.86926"W	4809.47	771330.67	743765.43	Aluminum Cap - RICHARD B BYREM CN-1/16 11 PLS 7381
314	768880.82	746622.94	4857.11	43°46'31.21195"N	111°49'29.86494"W	4820.16	768669.41	746417.65	5/8" Rebar
315	765832.74	742581.38	4860.27	43°46'01.27779"N	111°50'25.09954"W	4823.24	765622.18	742377.21	Rebar w/ Plastic Cap - I.D.T. LS 8797

OFFICIAL
03/22/2021
R/W PLANS

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO.	PROJECT CONTROL SHEET	<i>English</i>
NO.	DATE	BY	DESCRIPTION	J. PRICE					
				DESIGN CHECKED B. LISH	CADD FILE NAME 20599_svc-001				
				DETAILED J. PRICE					
				DRAWING CHECKED B. LISH	DRAWING DATE: MARCH 2021				
						HORROCKS ENGINEERS			

A020(599)	MADISON COUNTY WEST FRONTAGE ROAD	COUNTY	MADISON
		KEY NUMBER	20599
		SHEET 2 OF 12	



POINT NUMBER	PROJECT SECONDARY GROUND COORDINATES			GEO COORDINATES			STATE PLANE COORDINATES		DESCRIPTION
	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	
316	766236.54	742829.86	4861.12	43°46'05.25503"N	111°50'21.69250"W	4824.10	766025.87	742625.62	Rebar w/ Plastic Cap - K.L.T. 10563
317	769134.53	743834.55	4853.25	43°46'33.82882"N	111°50'07.84615"W	4816.24	768923.06	743630.04	Aluminum Cap - PLS13259 MA-54 2018 ITD
318	770487.12	745298.36	4854.11	43°46'47.12529"N	111°49'47.82486"W	4817.13	770275.28	745093.44	Aluminum Cap - MA-54 2019 PLS 13259 R/W MONUMENT
319	770667.15	745090.22	4851.00	43°46'48.91112"N	111°49'50.65125"W	4814.01	770455.25	744885.36	Rebar w/ Plastic Cap - CARDON PLS 1027
320	769156.07	744525.51	4856.01	43°46'34.01417"N	111°49'58.42968"W	4819.02	768944.60	744320.81	Aluminum Cap - MA-54 RIGHT OF WAY US-20 2018 PLS 13259
321	771728.01	745983.57	4853.70	43°46'59.34954"N	111°49'38.41803"W	4816.73	771515.82	745778.47	Rebar w/ Plastic Cap - 13259 JP VAHSHTOLTZ ITD
322	771712.58	746009.92	4853.61	43°46'59.19616"N	111°49'38.05987"W	4816.64	771500.40	745804.81	Aluminum Cap - STA. 1326+00 120 US-20 PLS 13259
323	771896.54	746116.57	4851.85	43°47'01.00811"N	111°49'36.59620"W	4814.89	771684.31	745911.42	Aluminum Cap - STA 28+12.70 46 RT US-20 ROW FRONTAGE P.T. PLS 13259
324	770487.14	745298.38	4854.07	43°46'47.12545"N	111°49'47.82459"W	4817.08	770275.29	745093.46	Aluminum Cap - PLS 13259 MA-54 2018
325	769142.74	744517.63	4855.86	43°46'33.88280"N	111°49'58.53785"W	4818.86	768931.26	744312.93	1/2" Rebar
326	768902.92	744378.69	4857.63	43°46'31.52052"N	111°50'00.44420"W	4820.63	768691.52	744174.03	Brass Cap - IDAHO STATE HIGHWAY RIGHT-OF-WAY
327	768722.36	744273.50	4857.22	43°46'29.74189"N	111°50'01.88748"W	4820.22	768511.00	744068.86	Aluminum Cap - STATE OF IDAHO RIGH-OF-WAY ITD LS 8797
328	768203.04	743972.27	4858.34	43°46'24.62631"N	111°50'06.02039"W	4821.34	767991.82	743767.72	Rebar w/ Plastic Cap - JS PATCHIN PLS 13766
329	767966.62	743834.68	4857.75	43°46'22.29752"N	111°50'07.90801"W	4820.74	767755.47	743630.17	Rebar w/ Plastic Cap - KLT 10563
330	767728.68	743696.63	4857.43	43°46'19.95361"N	111°50'09.80201"W	4820.42	767517.59	743492.15	Rebar w/ Plastic Cap - KLT 10563
331	767555.76	743596.18	4856.93	43°46'18.25028"N	111°50'11.18006"W	4819.92	767344.72	743391.73	Aluminum Cap - STATE OF IDAHO RIGH-OF-WAY ITD LS 8797
332	766254.25	742984.07	4860.90	43°46'05.42382"N	111°50'19.59049"W	4823.88	766043.57	742779.79	BM - ITD 539K19
333	770206.67	746625.99	4853.02	43°46'44.30261"N	111°49'29.74879"W	4816.06	769994.91	746420.71	Aluminum Cap - 2IN S11 S12 1-4
334	765237.04	741292.21	4854.80	43°45'55.44598"N	111°50'42.69516"W	4817.74	765026.64	741088.39	Aluminum Cap - ITD LS 8797
335	765054.13	741178.39	4853.66	43°45'53.64436"N	111°50'44.25549"W	4816.60	764843.78	740974.60	5/8" Rebar
336	764917.45	741067.98	4853.15	43°45'52.29901"N	111°50'45.76684"W	4816.09	764707.13	740864.23	5/8" Rebar
337	764853.98	741017.09	4852.49	43°45'51.67436"N	111°50'46.46357"W	4815.43	764643.69	740813.35	5/8" Rebar
338	764360.89	740843.34	4854.63	43°45'46.81241"N	111°50'48.85660"W	4817.57	764150.73	740639.65	5/8" Rebar
339	764320.67	740843.50	4854.91	43°45'46.41526"N	111°50'48.85653"W	4817.85	764110.52	740639.81	Rebar w/ Plastic Cap - IDT LS8797
340	764290.82	740873.56	4854.74	43°45'46.11942"N	111°50'48.44862"W	4817.68	764080.68	740669.86	5/8" Rebar
341	764290.94	740925.44	4855.81	43°45'46.11862"N	111°50'47.74184"W	4818.74	764080.80	740721.72	5/8" Rebar
342	764266.43	741110.64	4857.24	43°45'45.86959"N	111°50'45.22010"W	4820.18	764056.30	740906.87	5/8" Rebar
343	764206.41	741261.38	4857.26	43°45'45.27120"N	111°50'43.16966"W	4820.20	763996.29	741057.57	5/8" Rebar
344	764230.71	741318.48	4857.90	43°45'45.50897"N	111°50'42.39045"W	4820.84	764020.59	741114.66	Rebar w/ Plastic Cap - PLE PLS 15571
345	764716.92	741673.53	4854.84	43°45'50.29591"N	111°50'37.52766"W	4817.80	764506.67	741469.61	Rebar w/ Plastic Cap - KLT 10563
346	764916.56	741846.55	4855.17	43°45'52.26034"N	111°50'35.15990"W	4818.13	764706.25	741642.58	Rebar w/ Plastic Cap - IDT LS8797
347	764916.71	741852.99	4855.17	43°45'52.26156"N	111°50'35.07210"W	4818.13	764706.39	741649.02	Rebar w/ Plastic Cap - IDT LS8797
348	765238.93	742138.15	4857.91	43°45'55.43206"N	111°50'31.17004"W	4820.87	765028.53	741934.10	Rebar w/ Plastic Cap - KLT
349	767555.69	743873.64	4856.40	43°46'18.23865"N	111°50'07.39963"W	4819.39	767344.65	743669.11	Aluminum Cap - ITD LS 8797
350	771589.70	745470.21	4850.97	43°46'58.00471"N	111°49'45.42178"W	4813.99	771377.56	745265.25	Rebar w/ Plastic Cap - CARDON
351	768849.49	743971.89	4856.03	43°46'31.00907"N	111°50'05.99027"W	4819.02	768638.10	743767.34	Rebar w/ Plastic Cap - JS PATCHIN PLS 13766
352	771573.53	745600.52	4852.51	43°46'57.83977"N	111°49'43.64684"W	4815.53	771361.39	745395.52	Rebar w/ Plastic Cap - 13259 VAHSHTOLTZ ITD
353	771979.42	745468.56	4850.10	43°47'01.85263"N	111°49'45.42262"W	4813.12	771767.17	745263.60	Rebar w/ Plastic Cap - 1/2" Rebar
354	771651.05	745719.84	4852.26	43°46'58.60036"N	111°49'42.01653"W	4815.29	771438.89	745514.80	1/2" Rebar
355	768886.29	742646.96	4852.26	43°46'31.42437"N	111°50'24.04202"W	4815.22	768674.88	742442.77	Aluminum Cap - W1-16 S11 T5N R39E PLS 13259 ITD

OFFICIAL
03/22/2021
R/W PLANS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J. PRICE
DESIGN CHECKED B. LISH
DETAILED J. PRICE
DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_svc-002
DRAWING DATE: MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT



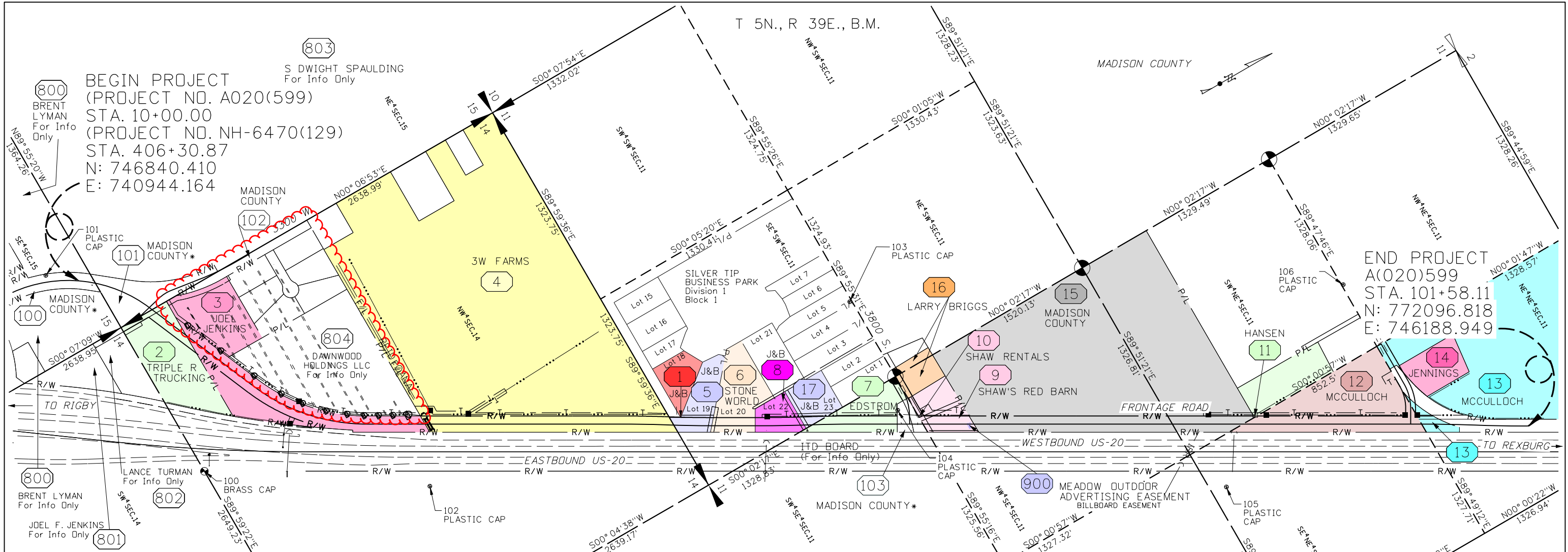
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

PROJECT CONTROL SHEET
MADISON COUNTY WEST FRONTAGE ROAD

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 3 OF 12





	Parcel I.D. No.	Record Owner	Total Ownership Assessed Acres	Right of Way		Remainder		Temporary Easement	
				Req'd Acres	Exist. Acres	Left Acres	Right Acres	Left Acres	Right Acres
100	For Info Only	Madison County*	2.157 Ac.	-	2.157 Ac.	-	-	-	-
101	For Info Only	Madison County*	2.078 Ac.	-	2.078 Ac.	-	-	-	-
102	For Info Only	Madison County*	2.518 Ac.	-	2.518 Ac.	-	-	-	-
2	RP05N39E144207	Triple R Trucking Services LLC	5.009 Ac.	0.781 Ac.	0.222 Ac.**	-	4.227 Ac.	-	0.070
3	RP05N39E144211	Joel F. Jenkins	8.854 Ac.	3.690 Ac.	-	3.495 Ac.	1.669 Ac.	0.244	0.092
4	RP05N39E142406	3W Farms Inc	56.151 Ac.	3.490 Ac.	-	52.661 Ac.	-	0.920	-
5	RP04STB0010190	J&B Marble Creek LLC	1.880 Ac.	0.489 Ac.	0.042 Ac.**	1.391 Ac.	-	-	-
1	RP04STB0010180	J&B Marble Creek LLC	1.444 Ac.	2.679 SQFT	-	1.444 Ac.	-	-	-
8	RP04STB0010220	J&B Marble Creek LLC	1.220 Ac.	0.614 Ac.	0.040 Ac.**	0.606 Ac.	-	0.090	-
17	RP04STB0010230	J&B Marble Creek LLC	1.561 Ac.	0.140 Ac.	0.035 Ac.**	1.421 Ac.	-	0.080	-
6	RP04STB0010200	Stoneworld Properties LLC	3.017 Ac.	0.550 Ac.	0.042 Ac.**	2.467 Ac.	-	-	-
7	RP05N39E117823	Delbert H. Edstrom, Trustee	2.681 Ac.	1.902 Ac.	0.105 Ac.	0.779 Ac.	-	0.170	-
103	For Info Only	Madison County*	0.319 Ac.	-	0.319 Ac.	-	-	-	-
9	RP05N39E111597	Shaws Red Barn LLC	1.000 Ac.	0.717 Ac.	0.076 Ac.	0.283 Ac.	-	0.170	-
10	RP05N39E111600	Shaw Rentals LLC	0.890 Ac.	0.095 Ac.	0.095 Ac.	0.795 Ac.	-	0.070	-
11	RP05N39E111240	James Hansen	2.685 Ac.	0.002 Ac.	-	2.683 Ac.	-	0.020	-
12	RP05N39E111809	Kenneth Henry McCulloch	7.500 Ac.	2.629 Ac.	-	4.871 Ac.	-	0.500	-
13	RP05N39E110002	Kenneth H. McCulloch	26.000 Ac.	0.665 Ac.	0.185 Ac.	25.335 Ac.	-	0.072	-
14	RP05N39E110003	Gary David Jennings	2.000 Ac.	0.004 Ac.	-	1.996 Ac.	-	-	-
15	RP05N39E111588	Madison County	34.356 Ac.	3.796 Ac.	-	30.560 Ac.	-	0.132	-
16	RP05N39E111593	Larry L Briggs	0.900 Ac.	0.140 Ac.	0.140 Ac.	0.760 Ac.	-	-	-
800	For Info Only	Brent Lyman	-	-	-	-	-	-	-
801	For Info Only	Joel F. Jenkins	-	-	-	-	-	-	-
802	For Info Only	Lance Turman	-	-	-	-	-	-	-
803	For Info Only	S Dwight Spaulding	-	-	-	-	-	-	-
804	For Info Only	Dawnwood Holdings LLC	-	-	-	-	-	0.598	-
900	BILLBOARD ESMT	Meadow Outdoor Advertising	-	-	-	-	-	-	-

NOTE: TOTAL OWNERSHIP AREAS SHOWN REPRESENT AREAS AS LISTED ON THE COUNTY ASSESSORS' REPORTS AND ARE APPROXIMATE.

REMAINDER AREAS WERE CALCULATED BY DEDUCTING ANY ACQUISITIONS FOR THE PROJECT FROM THOSE AREAS AND ARE ALSO APPROXIMATE.

* - Parcel ownership transferred in advance from Idaho Transportation Department to Madison County

** - Accounts for existing access easements within the required right of way limits.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	5/12/22	JKP	Update property descriptions per changes to Jenkins legal description

DESIGNED

J PRICE

DESIGN CHECKED

J. BAILEY

DETAILED

J. BAILEY

DRAWING CHECKED

J. BAILEY

SCALES SHOWN

ARE FOR 11" X 17"

PRINTS ONLY

CADD FILE NAME

20599_tom.001.DGN

DRAWING DATE:

MARCH 2021

IDAHO

TRANSPORTATION

DEPARTMENT

HORROCKS

ENGINEERS

PROJECT NO.

A020(599)

TOTAL OWNERSHIP MAP

W. SIDE FRONTAGE RD.

MADISON COUNTY

English

COUNTY

MADISON

KEY NUMBER

20599

SHEET 4 OF 12

PROFESSIONAL LAND SURVEYOR

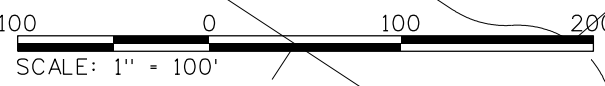
BRIAN T. LISH

18781

05-12-2022

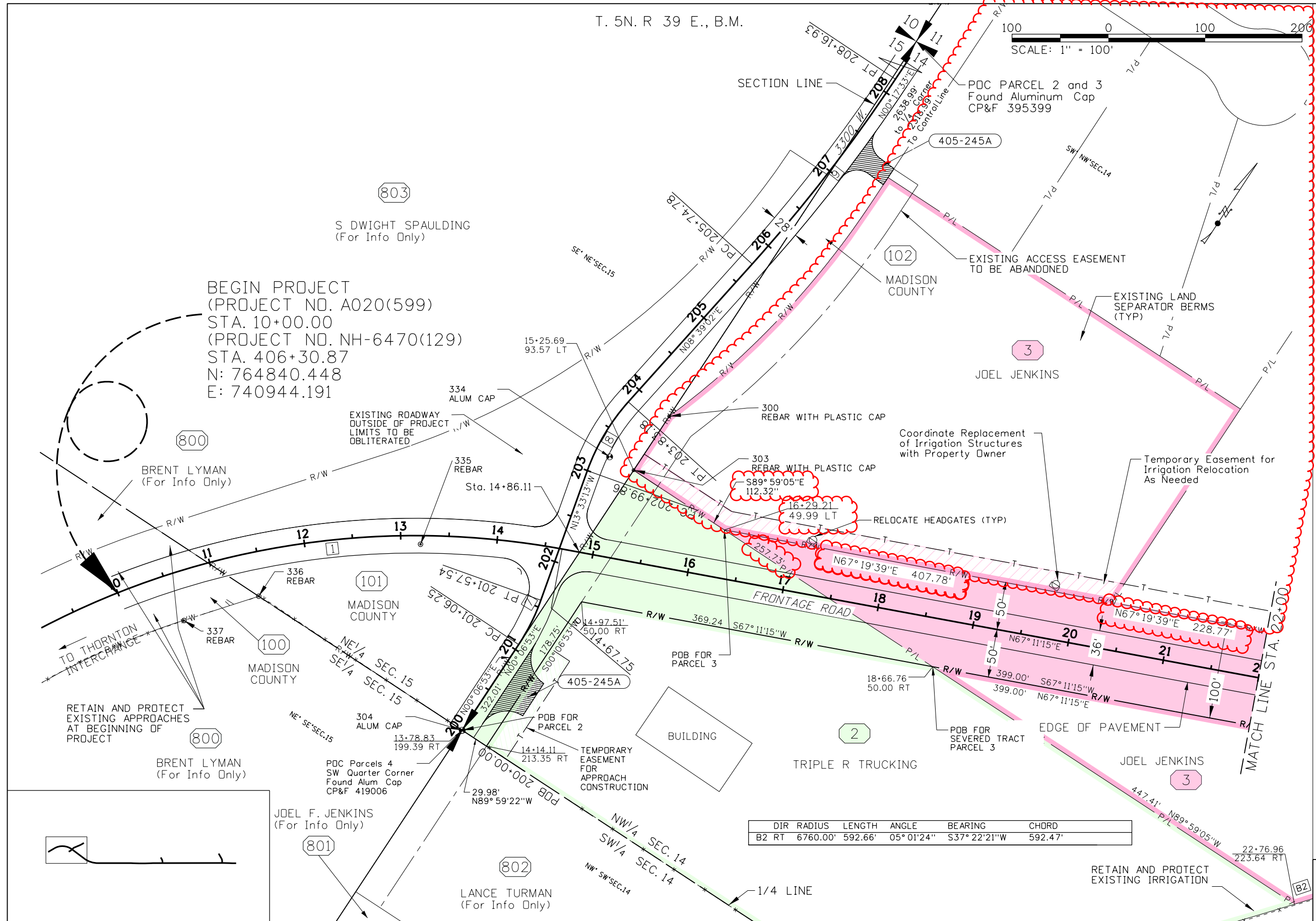
STATE OF IDAHO

T. 5N. R 39 E., B.M.



405-245A APPROACH

1 EA STA 200+67 RT
40' HEAVY COMMERCIAL
1 EA STA 207+32 RT
20' FARM FIELD



1
R = 833'
L = 978.41'
T = 554.465'
Δ = 67°17'51"
P.I. N: 764915.354
E: 740792.363

7
R = 215'
L = 51.29'
T = 25.77'
Δ = 13°40'06"
P.I. N: 765048.993
E: 741320.180

8
R = 215'
L = 83.32'
T = 42.19'
Δ = 22°12'14"
P.I. N: 765253.415
E: 741270.901

9
R = 1660'
L = 242.15'
T = 121.29'
Δ = 8°21'29"
P.I. N: 765604.453
E: 741324.307

POB = POINT OF BEGINNING

DIR	RADIUS	LENGTH	ANGLE	BEARING	CHORD
B2 RT	6760.00'	592.66'	05° 01'24"	S37° 22'21"W	592.47'

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	5/12/22	JKP	Update property descriptions per changes to Jenkins legal description

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	J BAILEY

SCALES SHOWN	ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME	20599_row_001 ORD.DGN
DRAWING DATE:	MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT

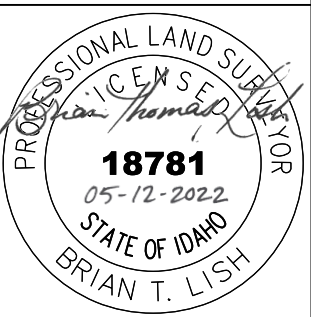
IDAHO
TRANSPORTATION
DEPARTMENT

HORROCKS
ENGINEERS

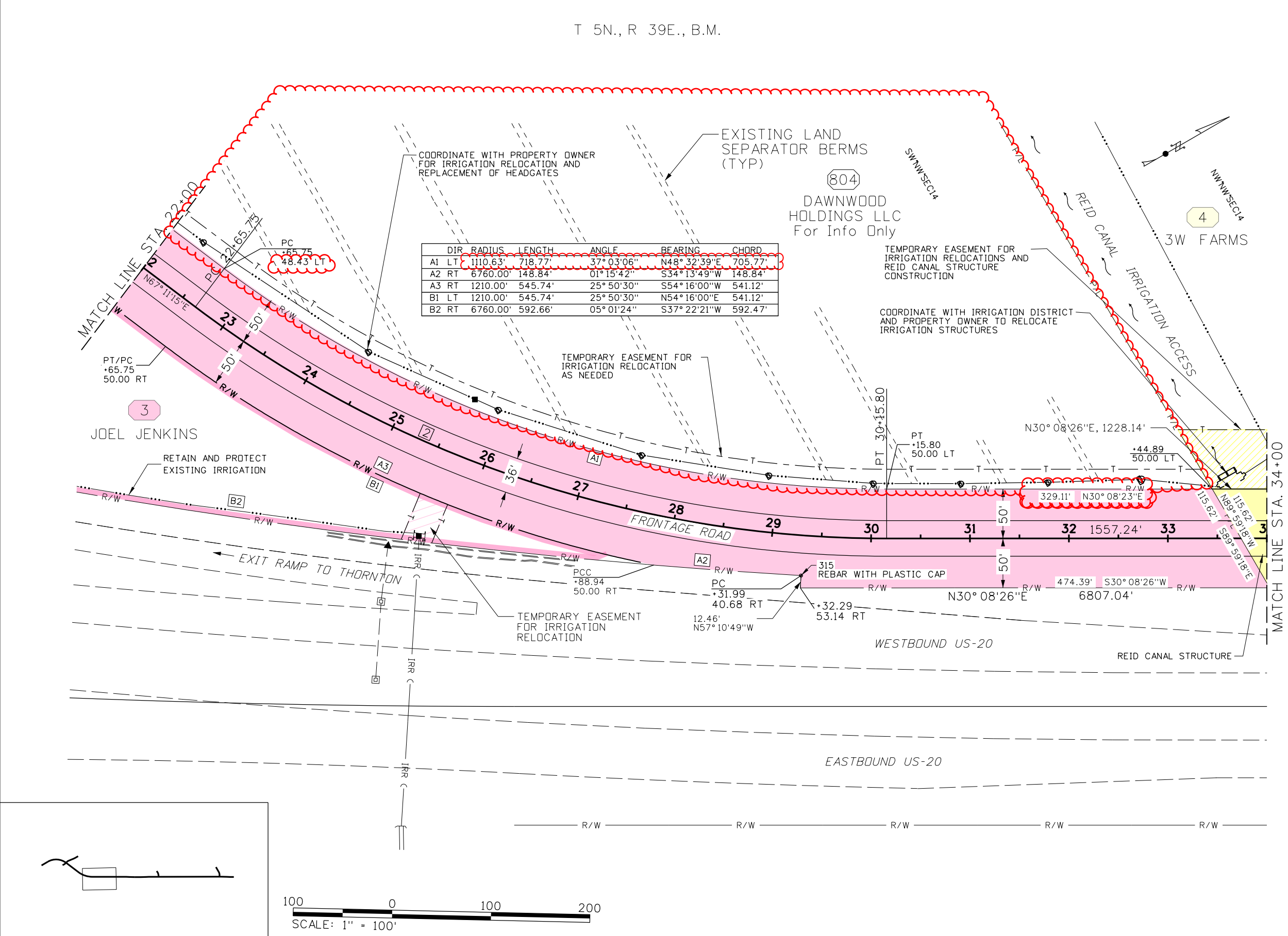
PROJECT NO.	A020(599)
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RIGHT-OF-WAY PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 10+00 TO 22+00

<i>English</i>	
COUNTY	MADISON
KEY NUMBER	20599
SHEET 5	OF 12



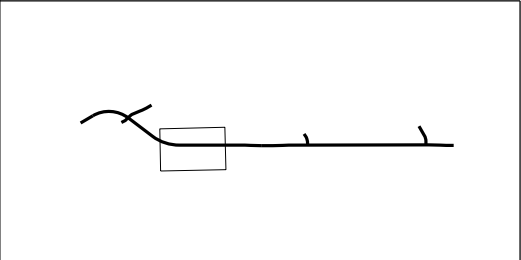
T 5N., R 39E., B.M.



	DIR	RADIUS	LENGTH	ANGLE	BEARING	CHORD
A1	LT	1110.63'	718.77'	37° 03' 06"	N48° 32' 39" E	705.77'
A2	RT	6760.00'	148.84'	01° 15' 42"	S34° 13' 49" W	148.84'
A3	RT	1210.00'	545.74'	25° 50' 30"	S54° 16' 00" W	541.12'
B1	LT	1210.00'	545.74'	25° 50' 30"	N54° 16' 00" E	541.12'
B2	RT	6760.00'	592.66'	05° 01' 24"	S37° 22' 21" W	592.47'

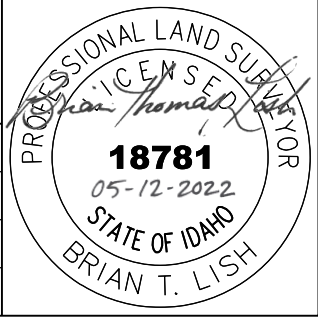
2

R = 1160.00'
L = 750.04'
T = 388.66'
Δ = 37° 02' 49"
N: 765590.4204
E: 742397.2907



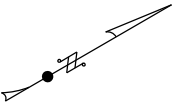
REVISIONS				DESIGNED J PRICE	DESIGN CHECKED J BAILEY	DETAILED J PRICE	DRAWING CHECKED J BAILEY	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	CADD FILE NAME 20599_row_002 ORD.DGN	DRAWING DATE: MARCH 2021	IDAHO TRANSPORTATION DEPARTMENT	PROJECT NO. A020(599)	RIGHT-OF-WAY PLAN W. SIDE FRONTAGE RD. MADISON COUNTY
NO.	DATE	BY	DESCRIPTION										
1	5/12/22	JKP	Update property descriptions per changes to Jenkins legal description										

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 6 OF 12



T. 5N. R 39 E. SEC. 14, B.M.

405-245A APPROACH
1 EA STA 34+24 LT
16' FARM FIELD



4
3W FARMS, INC.

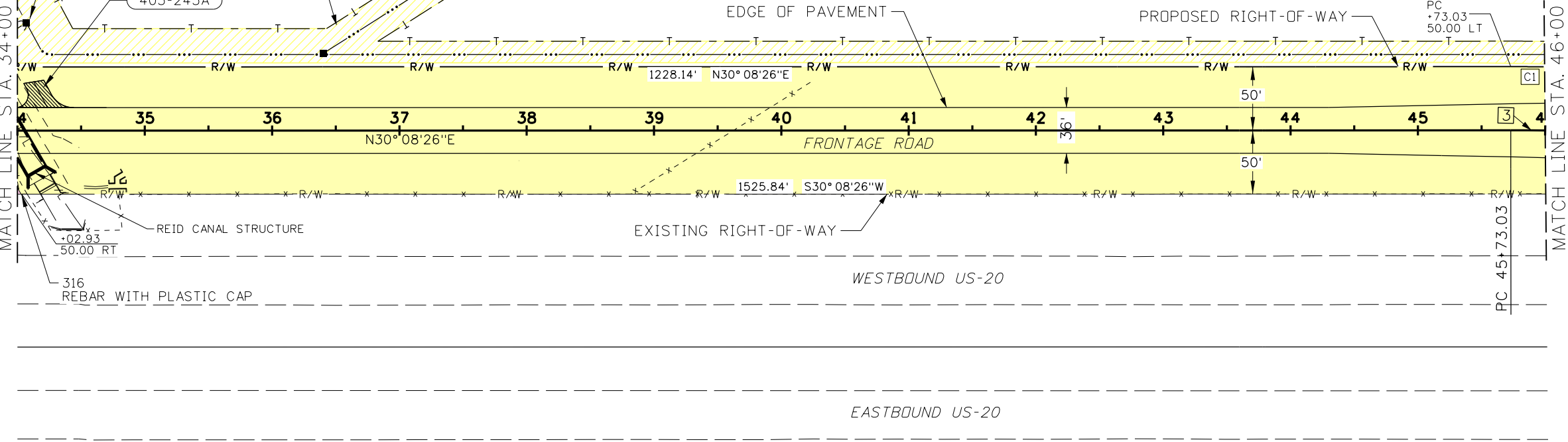
NOTE: SEE NEXT SHEET
FOR POB FOR PARCEL 4

PROPOSED TEMPORARY EASEMENT
FOR IRRIGATION RELOCATIONS

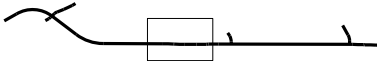
COORDINATE WITH PROPERTY
OWNER FOR RELOCATION OF
ALL IMPACTED IRRIGATION
STRUCTURES

405-245A

DIR	RADIUS	LENGTH	ANGLE	BEARING	CHORD
C1 RT	8050.00'	273.82'	01° 56' 56"	N31° 06' 54"E	273.81'



3
R = 8000.0'
L = 269.14'
T = 134.5'
Δ = 1° 55' 39"



OFFICIAL
03/22/2021
R/W PLANS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	J BAILEY

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
20599_rw_003.DGN

DRAWING DATE:
MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

PROJECT NO.

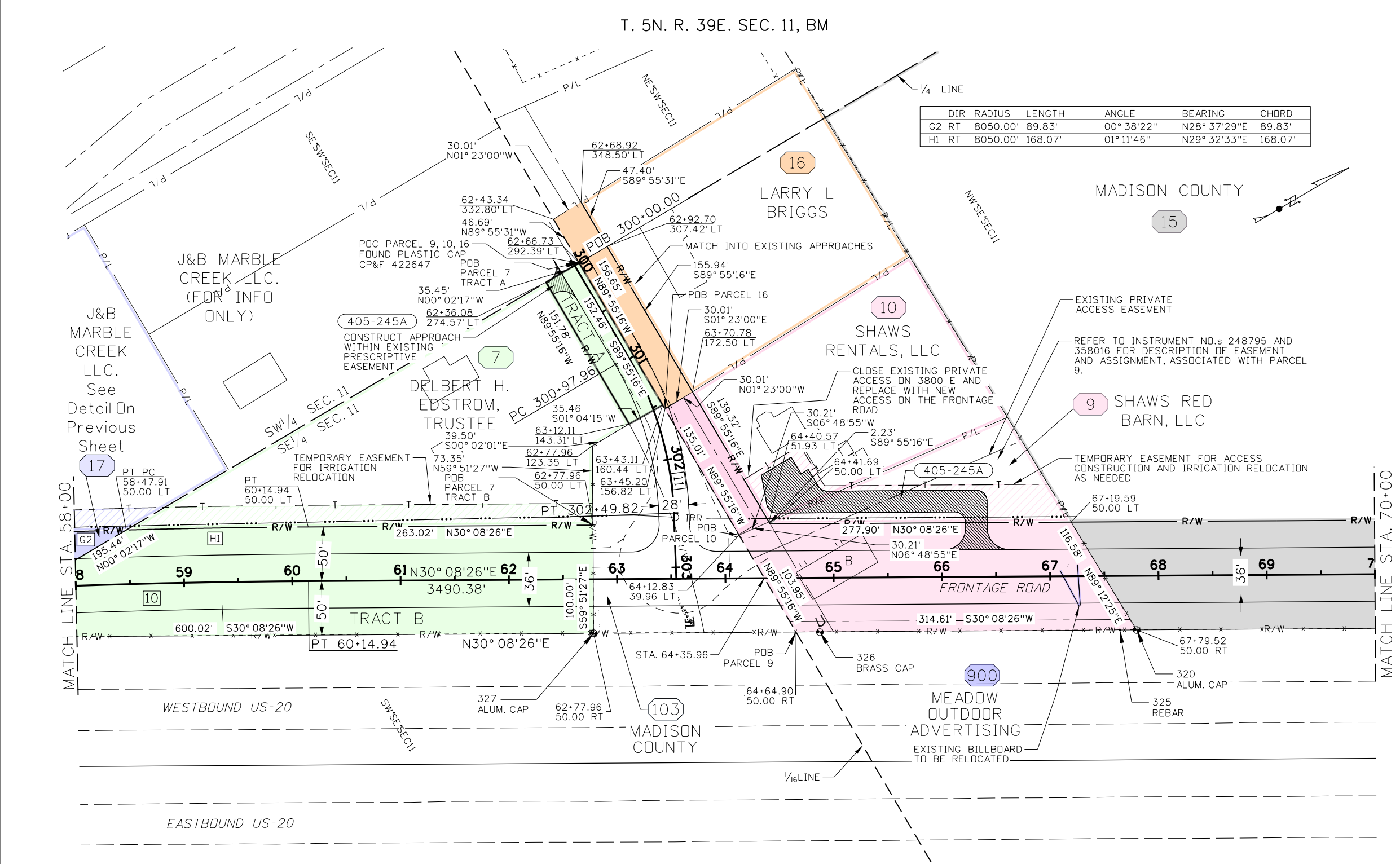
A020(599)

RIGHT-OF-WAY PLAN

W. SIDE FRONTAGE RD.
MADISON COUNTY
STA. 34+00 TO 46+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 7 OF 12





DIR	RADIUS	LENGTH	ANGLE	BEARING	CHORD
G2 RT	8050.00'	89.83'	00° 38' 22"	N28° 37' 29"E	89.83'
H1 RT	8050.00'	168.07'	01° 11' 46"	N29° 32' 33"E	168.07'

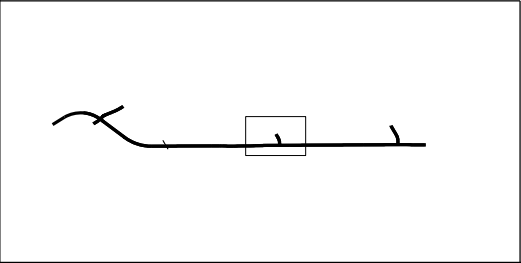
405-245A APPROACH
1 EA STA 300+10 RT
12' SINGLE RESIDENCE

1 EA STA 66+40 LT
20' COMMERCIAL

10
R = 8000.00'
L = 256.30'
T = 128.16'
Δ = 1° 50' 08"

11
R = 307.00'
L = 161.78'
T = 82.81'
Δ = 30° 11' 33"

POB = POINT OF BEGINNING



OFFICIAL
03/22/2021
R/W PLANS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED J PRICE
DESIGN CHECKED J BAILEY
DETAILED J PRICE
DRAWING CHECKED J BAILEY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_rw_005.DGN
DRAWING DATE: MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT

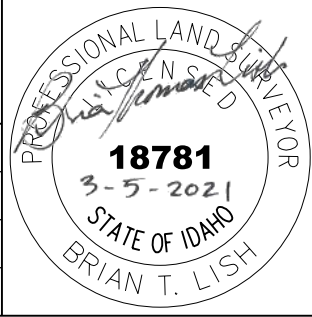
IDAHO
TRANSPORTATION
DEPARTMENT

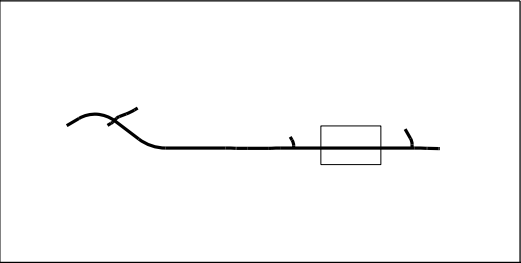
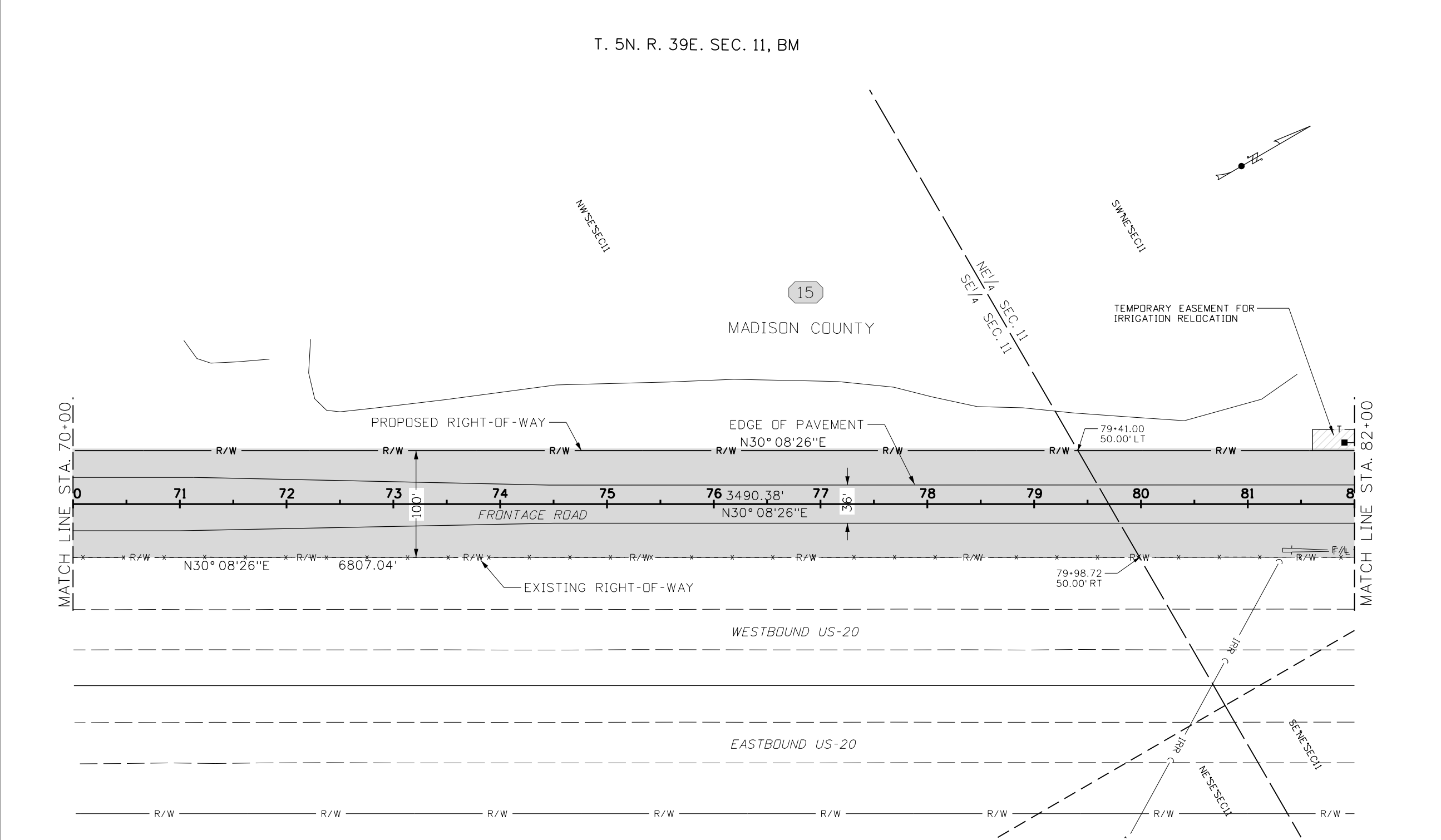
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

RIGHT-OF-WAY PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 58+00 TO 70+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 9 OF 12





OFFICIAL
03/22/2021
R/W PLANS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	J BAILEY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_rw_006.DGN
DRAWING DATE: MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT



HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

RIGHT-OF-WAY PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 70+00 TO 82+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 10 OF 12

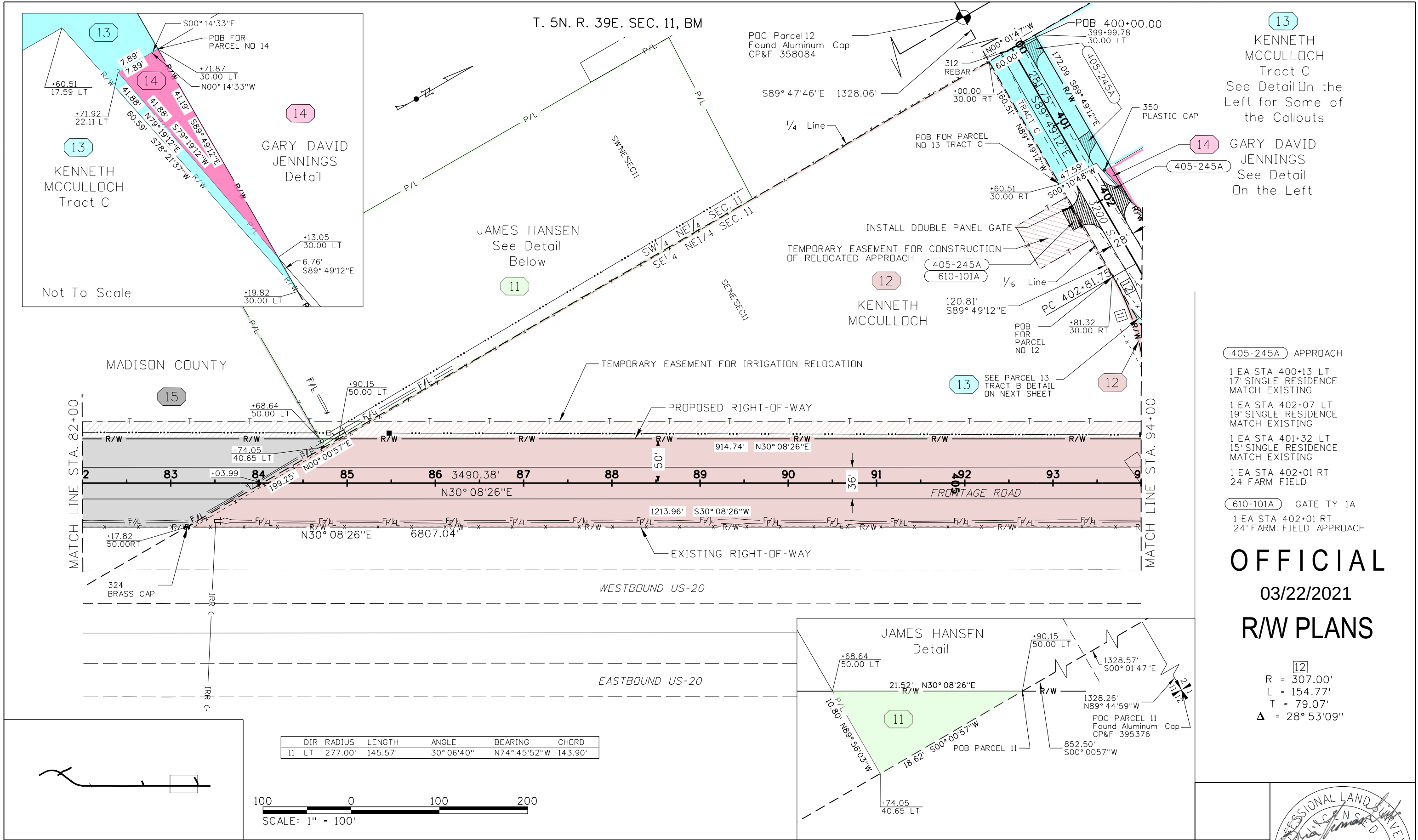
PROFESSIONAL LAND SURVEYOR

18781

3-5-2021

STATE OF IDAHO

BRIAN T. LISH



13 KENNETH MCCULLOCH Tract C
See Detail On the Left for Some of the Callouts

14 GARY DAVID JENNINGS
See Detail On the Left

405-245A APPROACH
1 EA STA 400+13 LT
17' SINGLE RESIDENCE MATCH EXISTING
1 EA STA 402+07 LT
19' SINGLE RESIDENCE MATCH EXISTING
1 EA STA 401+32 LT
15' SINGLE RESIDENCE MATCH EXISTING
1 EA STA 402+01 RT
24' FARM FIELD

610-101A GATE TY 1A
1 EA STA 402+01 RT
24' FARM FIELD APPROACH

OFFICIAL

03/22/2021

R/W PLANS

12
R = 307.00'
L = 154.77'
T = 79.07'
Δ = 28° 53' 09"

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	J BAILEY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_rw_007.DGN
DRAWING DATE: MARCH 2021

IDAHO
TRANSPORTATION
DEPARTMENT

IDAHO
TRANSPORTATION
DEPARTMENT

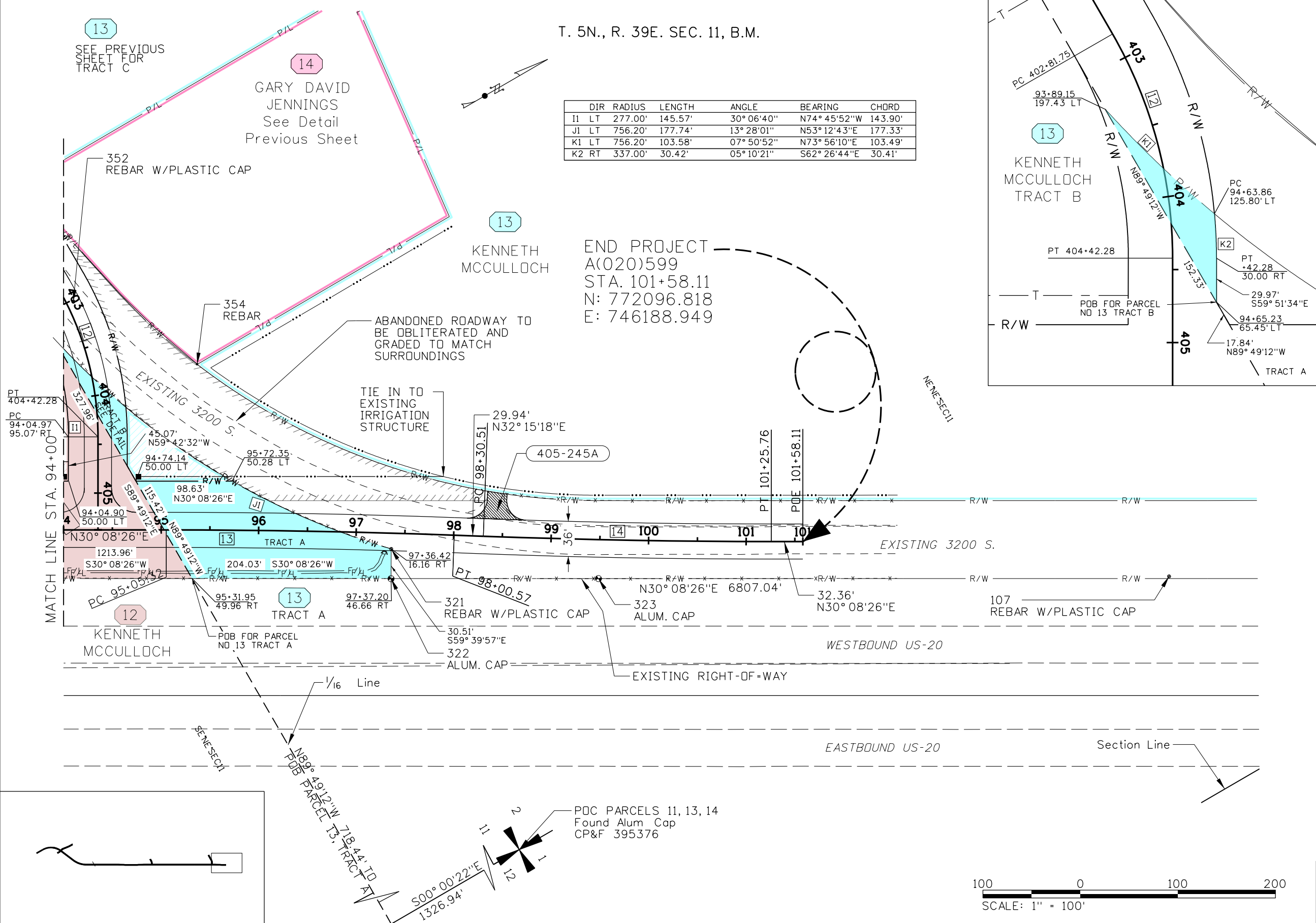
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

RIGHT-OF-WAY PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 82+00 TO 94+00

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 11 OF 12

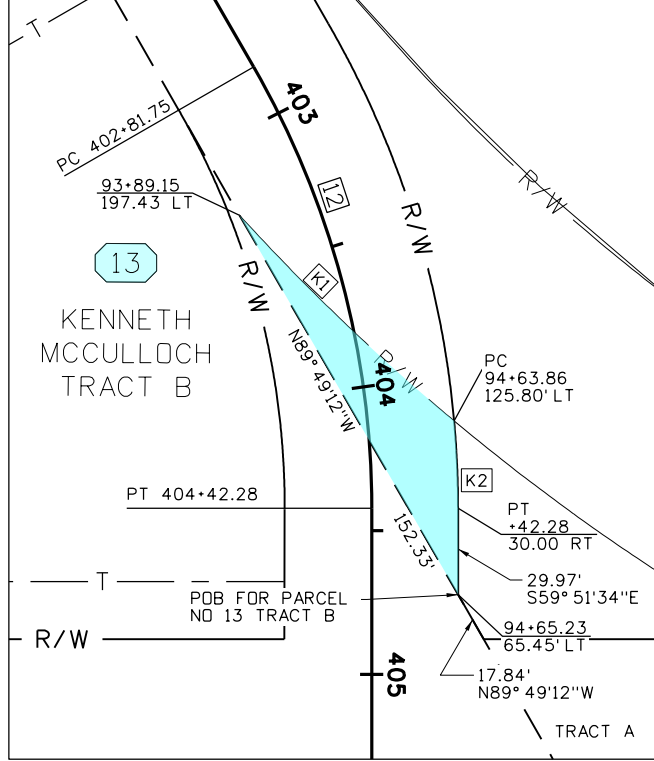




T. 5N., R. 39E. SEC. 11, B.M.

	DIR	RADIUS	LENGTH	ANGLE	BEARING	CHORD
I1	LT	277.00'	145.57'	30° 06' 40"	N74° 45' 52" W	143.90'
J1	LT	756.20'	177.74'	13° 28' 01"	N53° 12' 43" E	177.33'
K1	LT	756.20'	103.58'	07° 50' 52"	N73° 56' 10" E	103.49'
K2	RT	337.00'	30.42'	05° 10' 21"	S62° 26' 44" E	30.41'

END PROJECT
A(020)599
STA. 101+58.11
N: 772096.818
E: 746188.949



405-245A APPROACH
1 EA STA 98+43 LT
20' FARM FIELD

OFFICIAL
03/22/2021
R/W PLANS

[12]
R = 307.00'
L = 154.77'
T = 79.07'
Δ = 28° 53' 09"

[13]
R = 8000.00'
L = 295.25'
T = 147.64'
Δ = 2° 06' 52"

[14]
R = 8000.00'
L = 295.25'
T = 147.64'
Δ = 2° 06' 52"

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	J PRICE
DESIGN CHECKED	J BAILEY
DETAILED	J PRICE
DRAWING CHECKED	J BAILEY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20599_rw_008.DGN
DRAWING DATE: MARCH 2021

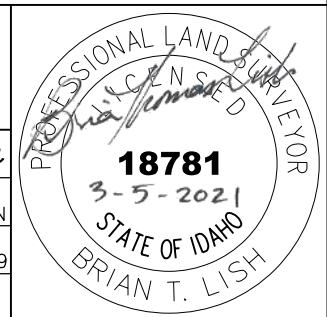
IDAHO
TRANSPORTATION
DEPARTMENT

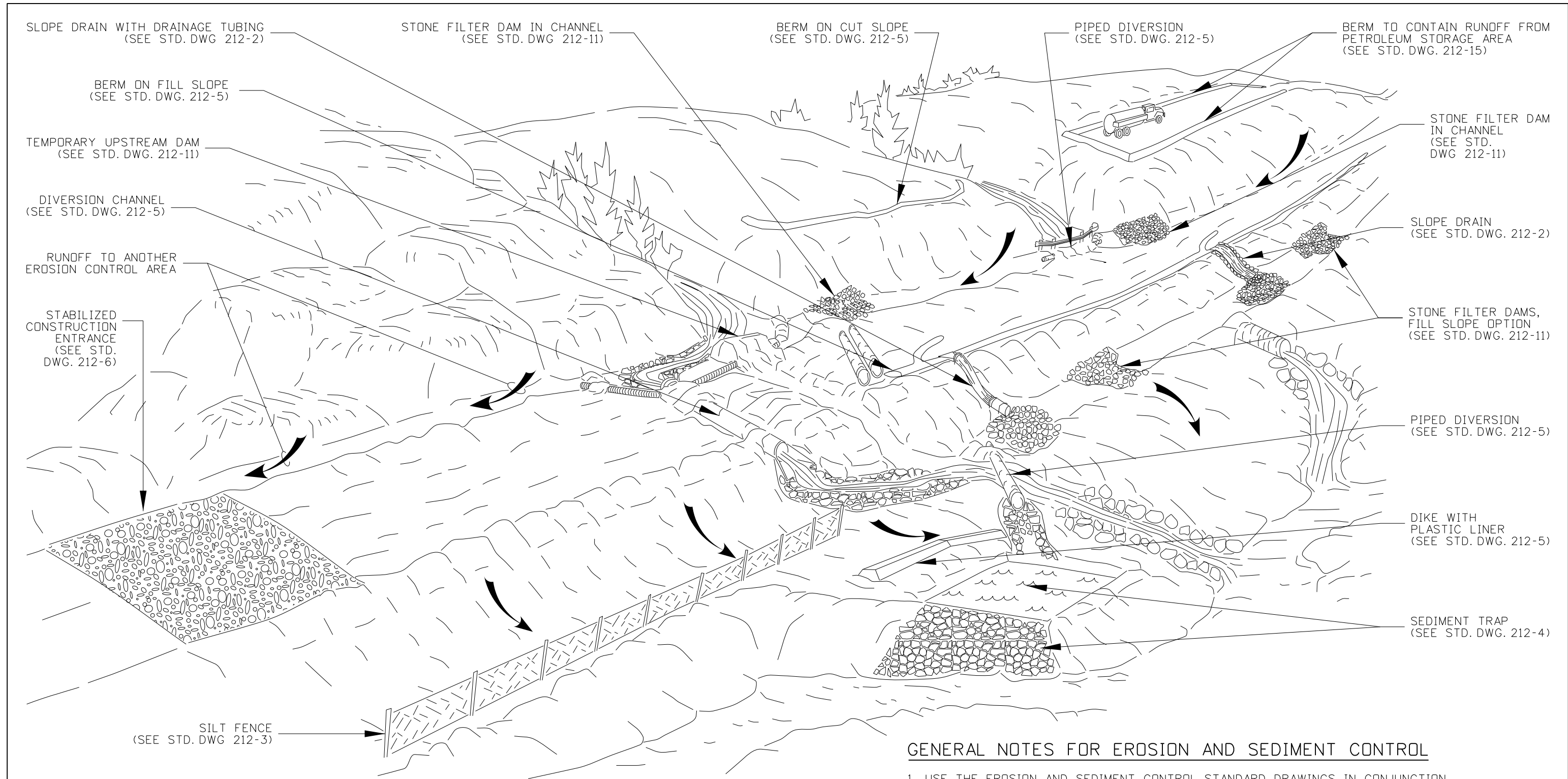
HORROCKS
ENGINEERS

PROJECT NO.
A020(599)

RIGHT-OF-WAY PLAN
W. SIDE FRONTAGE RD. MADISON COUNTY STA. 94+00 TO 101+58

English
COUNTY MADISON
KEY NUMBER 20599
SHEET 12 OF 12





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

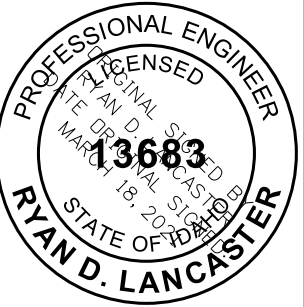
EROSION AND
SEDIMENT CONTROL
EXAMPLE APPLICATIONS

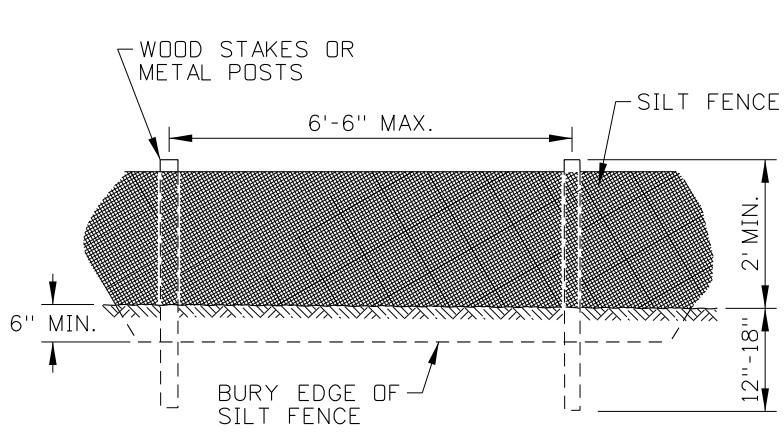
English

STANDARD DRAWING NO.

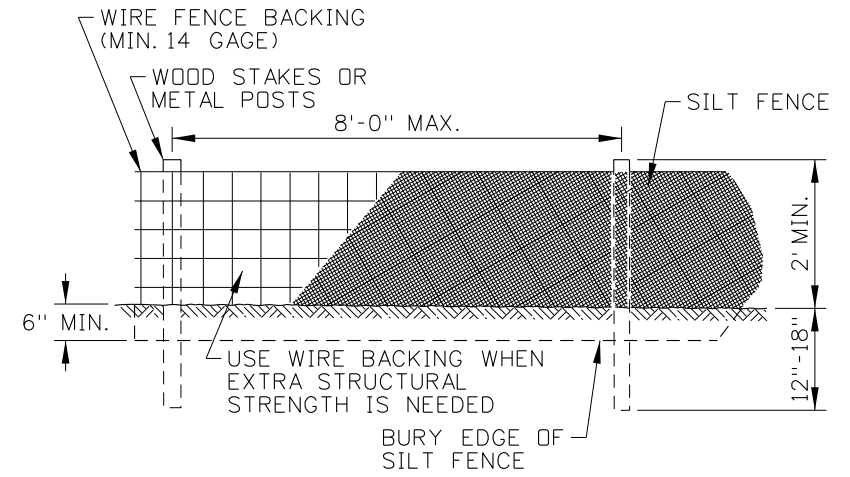
212-1

SHEET 1 OF 1

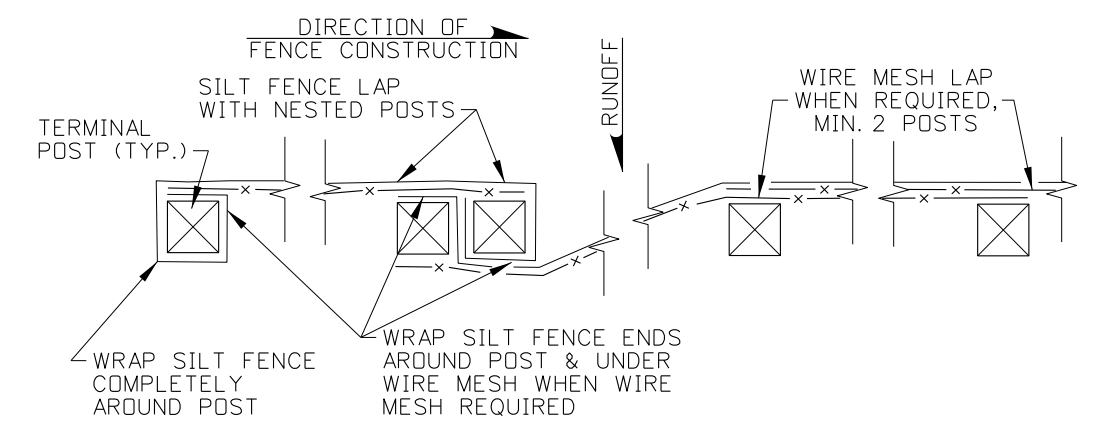




SILT FENCE (NO WIRE BACKING)



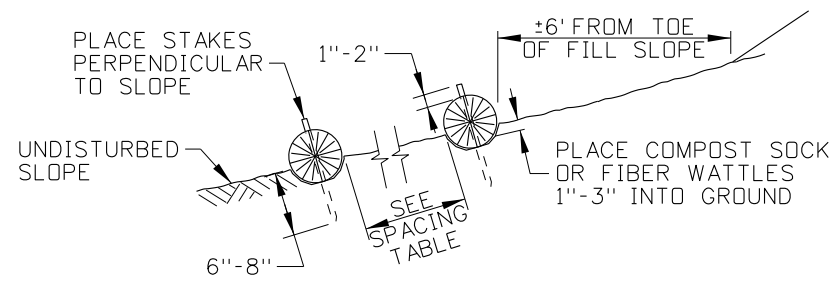
SILT FENCE (WIRE BACKING)



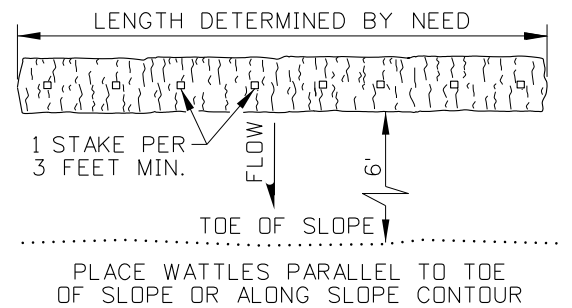
SILT FENCE LAP DETAIL

FIBER WATTLE & COMPOST SOCK SPACING TABLE				
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

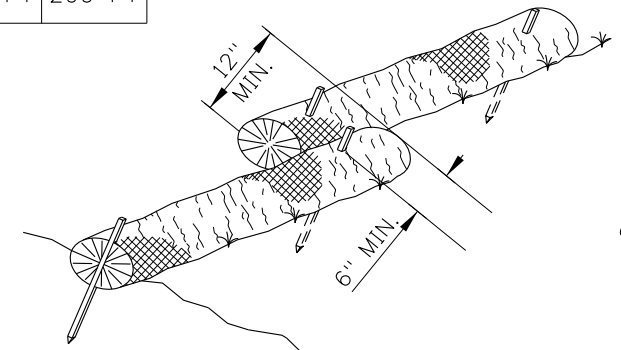
SILT FENCE SPACING TABLE				
SLOPE	SOIL TYPE			
	SILTY	CLAYS	SANDY	
1:1	50 FT	75 FT	100 FT	
2:1	75 FT	100 FT	125 FT	
4:1	100 FT	125 FT	150 FT	
10:1 OR FLATTER	125 FT	150 FT	200 FT	



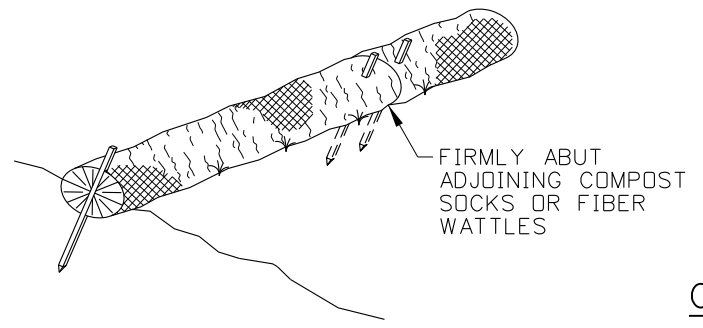
COMPOST SOCK AND FIBER WATTLE
SIDE VIEW



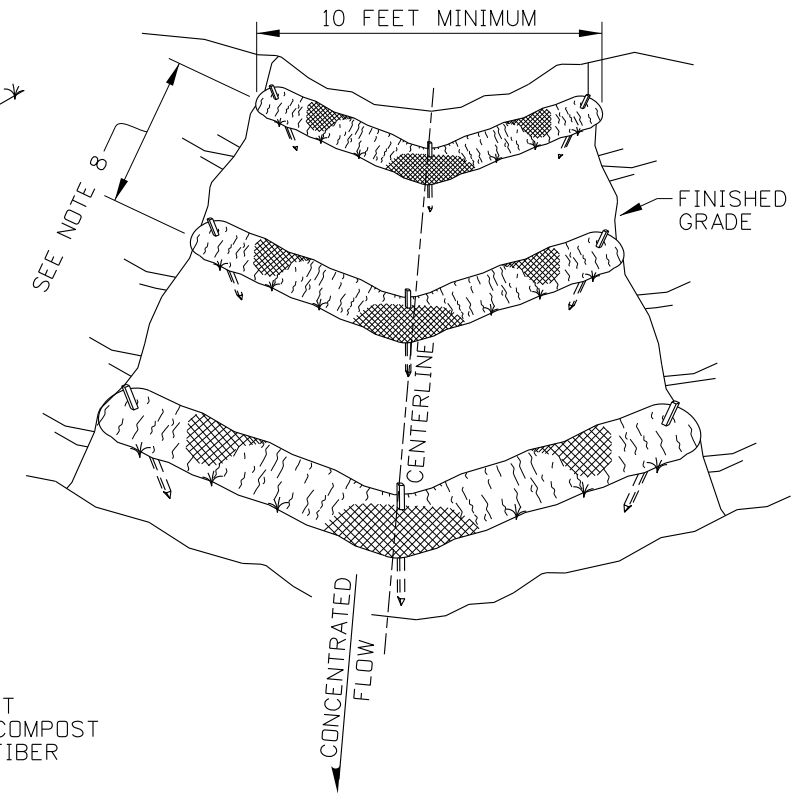
COMPOST SOCK AND FIBER WATTLE
PLAN VIEW



COMPOST SOCK AND FIBER WATTLE
OVERLAPPING DETAIL



COMPOST SOCK AND FIBER WATTLE
ABUTTING DETAIL



COMPOST SOCK AND FIBER WATTLE
TEMPORARY CHECK DAM DETAIL

NOTES

1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. 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.
3. INSTALL TEMPORARY SEDIMENT CONTROL BARRIERS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND SPECIFICATIONS. THE DIMENSIONS SHOWN ARE GENERAL GUIDELINES.
4. PLACE SEDIMENT BARRIERS TO FOLLOW THE SLOPE CONTOURS. USE EITHER METAL POSTS OR WOOD STAKES.
5. ENSURE RUNOFF PASSES THROUGH THE SILT FENCE AND NOT AROUND THE FENCE.
6. GROUND SILT FENCES WITH WIRE MESH IN ACCORDANCE WITH THE GROUNDING DETAIL SHOWN ON STANDARD DRAWING 610-1.
7. EXTEND OR JOIN SILT FENCE USING SILT FENCE LAP WITH NESTED POSTS.
8. 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.
9. 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.
10. 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.
11. DRAWING NOT TO SCALE.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
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

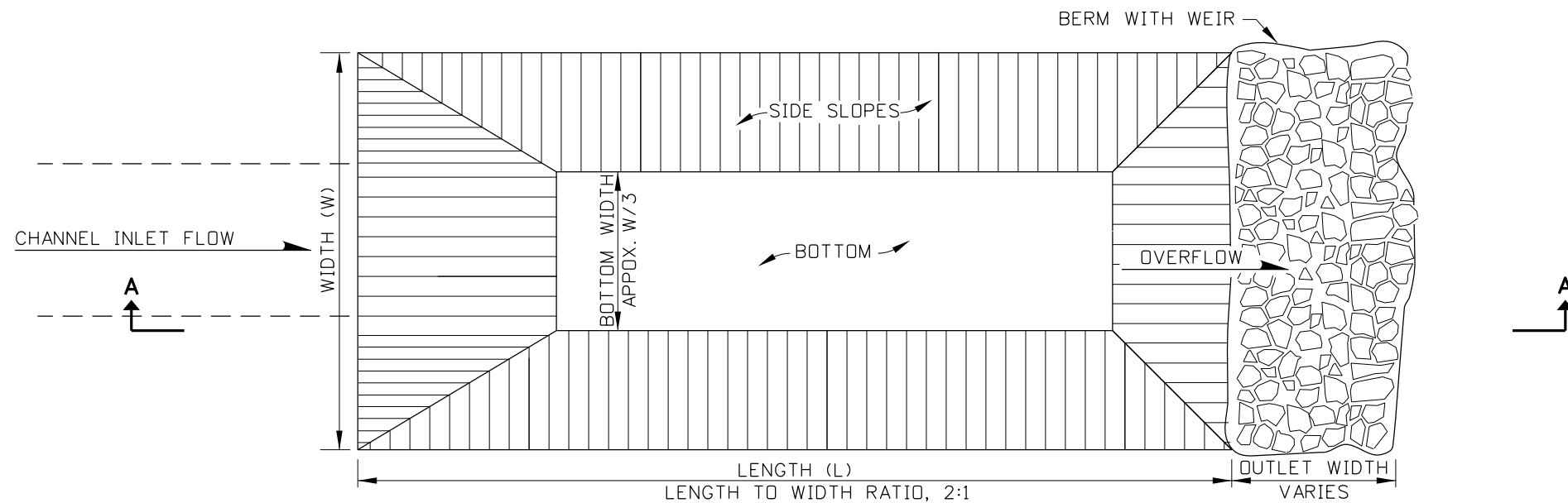
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

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

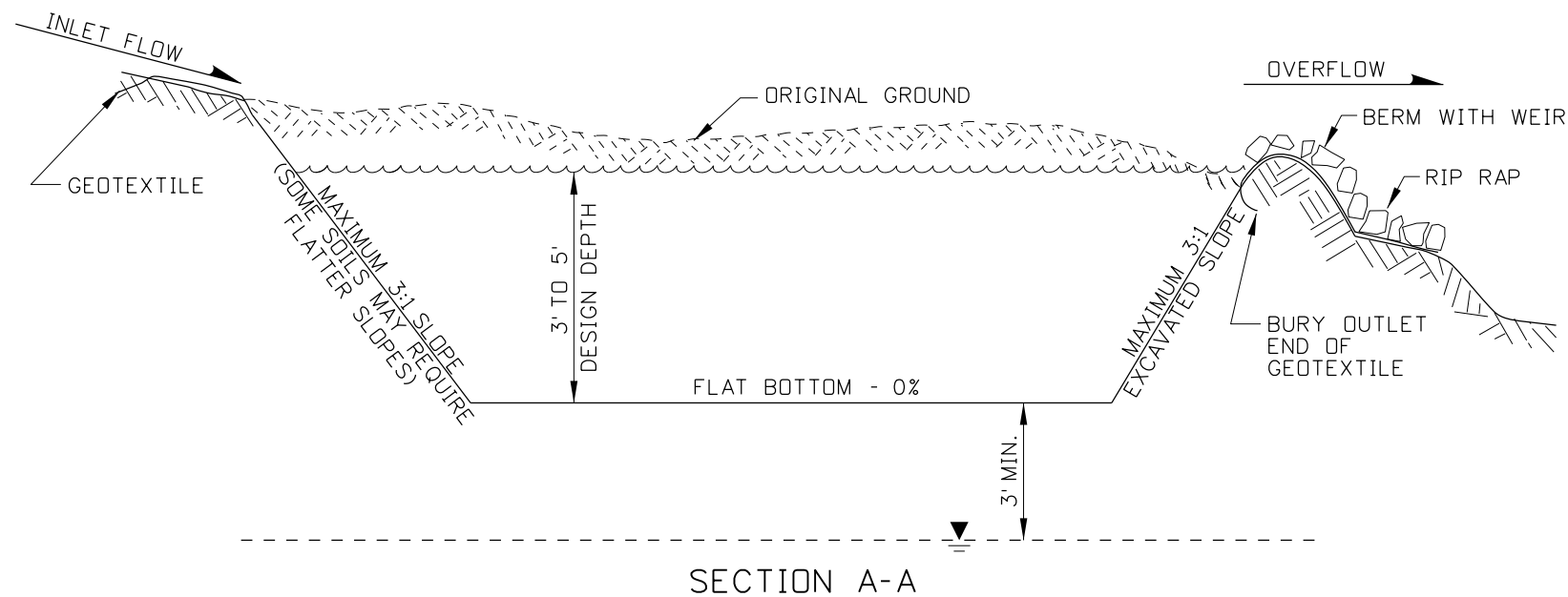
PROFESSIONAL ENGINEER
STATE OF IDAHO
13683
RYAN D. LANCASTER



SEDIMENT TRAP BASIN

NOTES

1. SEE THE GENERAL NOTES FOR TEMPORARY EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. DETERMINE SEDIMENT TRAP SIZE ON A 2-YEAR 24-HOUR STORM DESIGN OR 3,600 CU. FT./ACRE. THE MAXIMUM DRAINAGE AREA PER SEDIMENT TRAP IS 5 ACRES.
3. LOCATE SEDIMENT TRAP OUTSIDE OF THE SLOPE STAKE LIMITS AND CONSTRUCT PRIOR TO THE START OF EXCAVATION OR REMOVAL OF EXISTING VEGETATION.
4. ENSURE THAT RIPRAP MATERIAL IS IN ACCORDANCE WITH 711.04 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
5. PROVIDE TYPE II RIPRAP/EROSION CONTROL GEOTEXTILE IN ACCORDANCE WITH SUBSECTION 718.06 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
6. ENTIRE TRAP MAY BE ROCK LINED IF NECESSARY.
7. NOT TO SCALE.



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM						
2	02-96	MSM						
3	10-10	KEH						
4	10-11	KEH						
5	11-13	RDL						

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
212-4_1113.dgn

DRAWING DATE:
APRIL, 1993

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO



ORIGINAL SIGNED BY: TOM COLE *for*
HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

**TEMPORARY EROSION AND
SEDIMENT CONTROL
SEDIMENT TRAP**

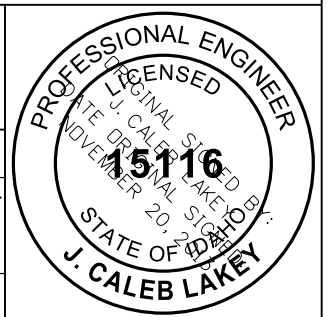
REQUIRES STD. DWG. 212-1

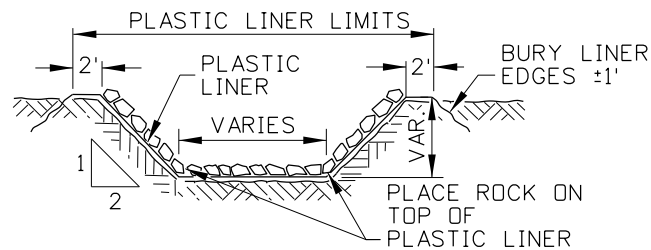
English

STANDARD DRAWING NO.
212-4

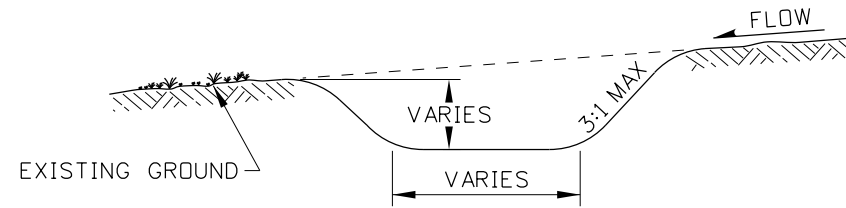
SHEET 1 OF 1

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

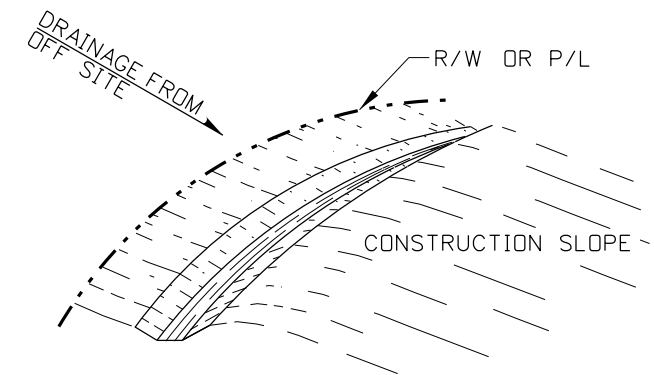




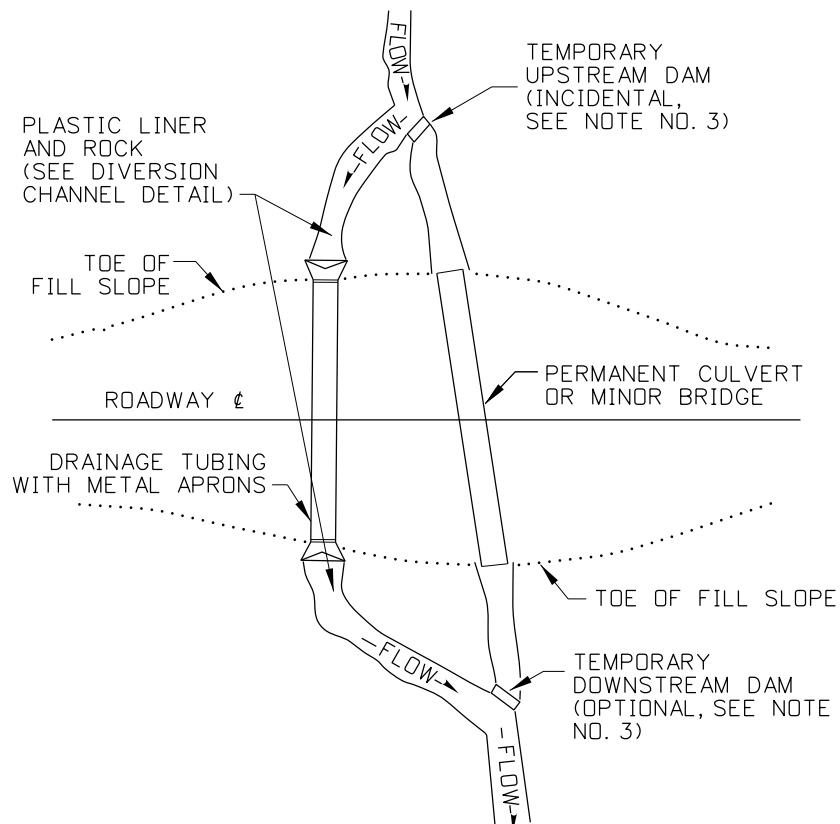
DIVERSION CHANNEL



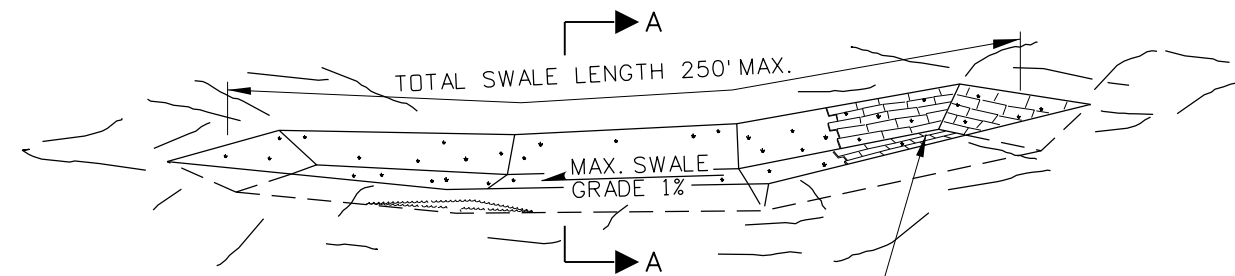
SWALE
FOR PERIMETER, INTERCEPTOR,
AND DIVERSION SWALES



PERIMETER SWALE

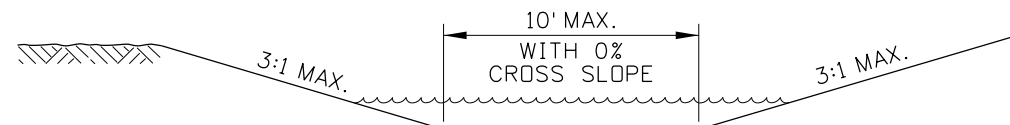


DIVERSION CHANNEL EXAMPLE

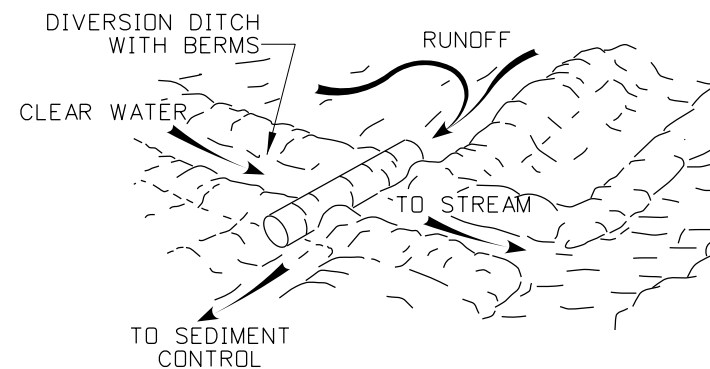


DIVERSION OF RUNOFF MAY BE NECESSARY DURING THE ESTABLISHMENT OF VEGETATION ON THE SWALE SIDES AND BOTTOM. WHERE RUNOFF DIVERSION IS NOT POSSIBLE, COVER GRADED AND SEEDING AREAS WITH SUITABLE EROSION CONTROL MATERIALS OR SOD.

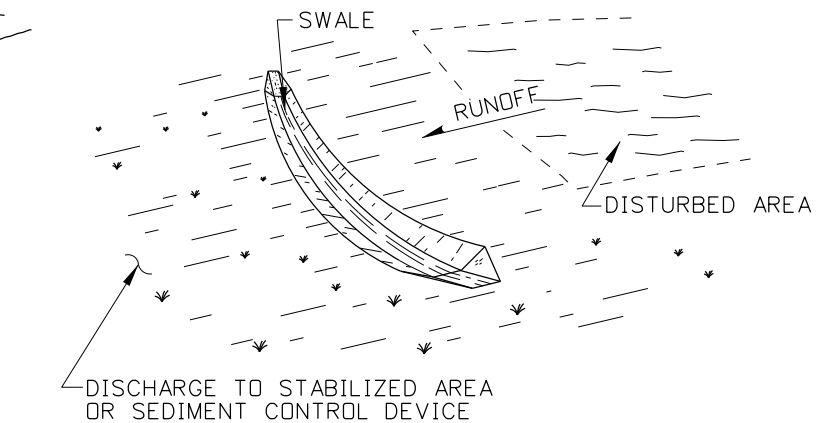
GRASSED SWALE



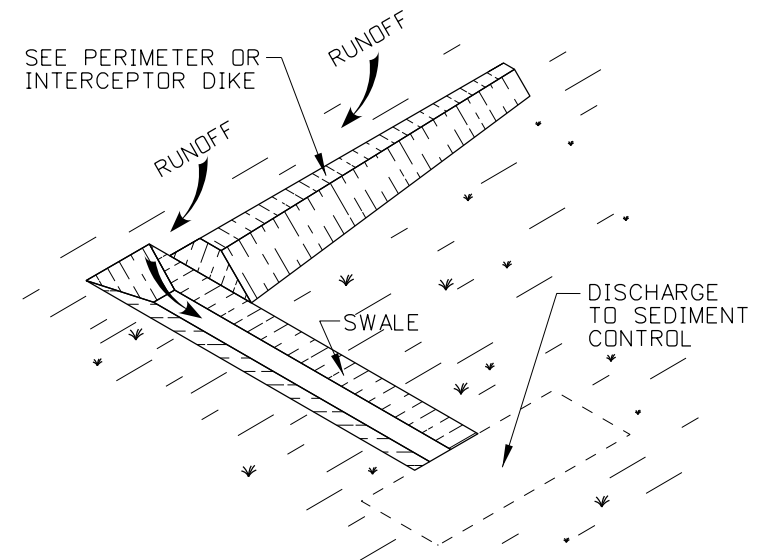
SECTION A-A



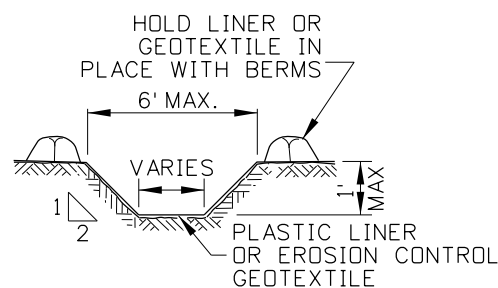
DIVERSION DITCH EXAMPLE



INTERCEPTOR SWALE



DIVERSION SWALE



DIVERSION DITCH
ONLY USE WITH CLEAR WATER

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
212-5_1216.dgn

DRAWING DATE:
NOVEMBER, 2016

IDAHO
TRANSPORTATION
DEPARTMENT

BOISE IDAHO



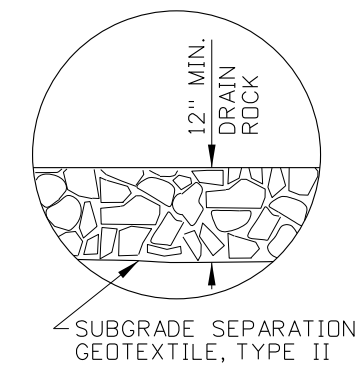
ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND
SEDIMENT CONTROL
DIVERSION CHANNEL, DITCH, SWALE,
DIKE, BERM, WATERBAR, AND ROLLING DIP
REQUIRES SHT. 2 OF 2 & STD. DWG. 212-1

English
STANDARD DRAWING NO.
212-5
SHEET 1 OF 2

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





CORRUGATED
STEEL PANELS
FOR TIRE WASH
RACK

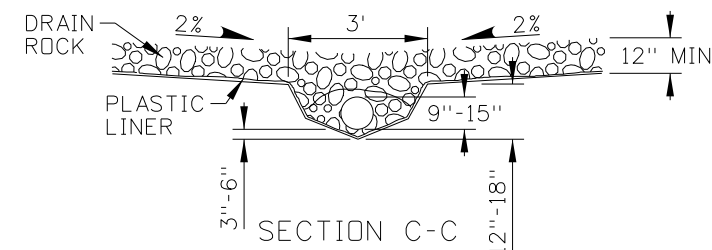
SEE BALLAST
DETAIL

SECTION A-A

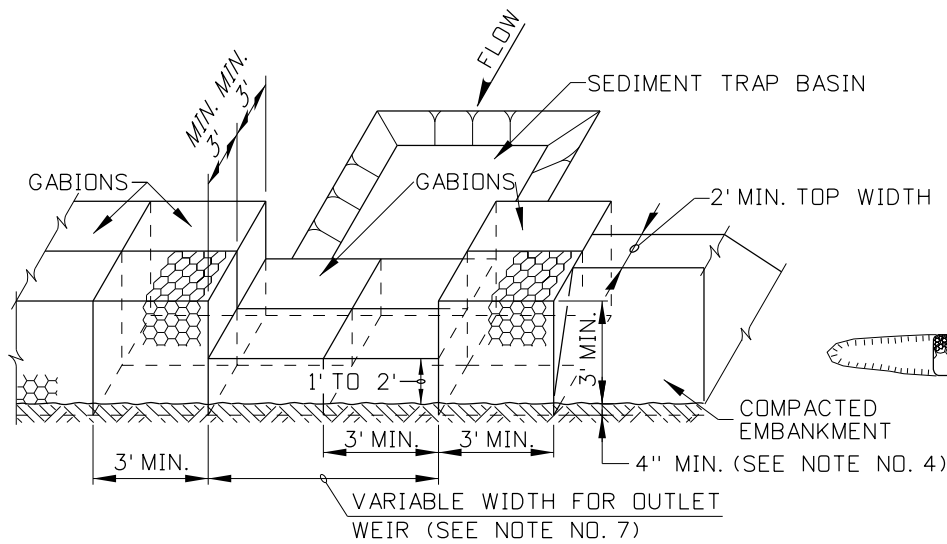
IN-LINE WITH HIGHWAY



1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. DRAWING NOT TO SCALE.

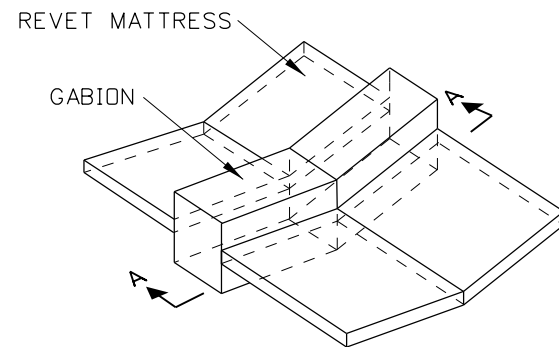


PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
13683
MARCH 18, 2020
STATE OF IDAHO

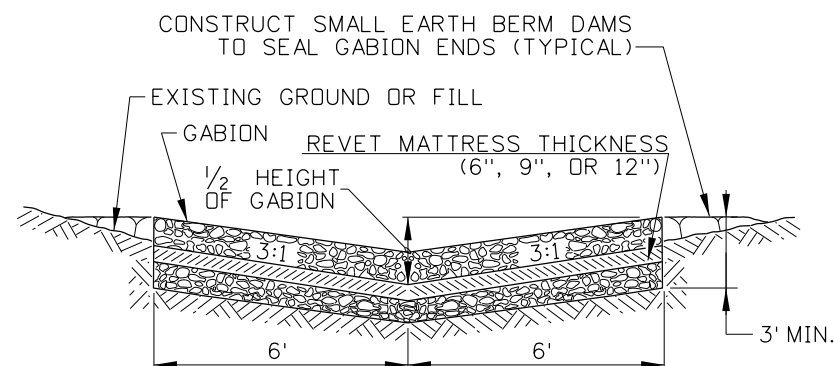


MINIMUM DIMENSIONS SHOWN. SITE CONDITIONS WILL DETERMINE ACTUAL DIMENSIONS.

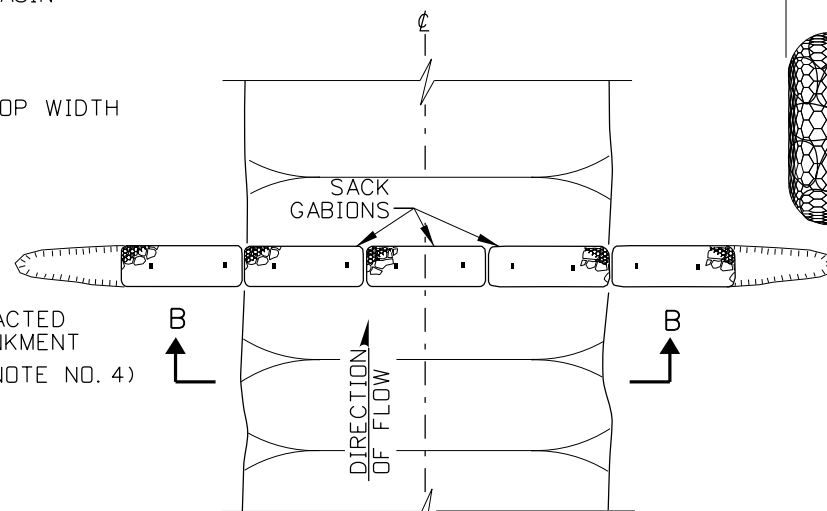
GABION OUTLET WEIR



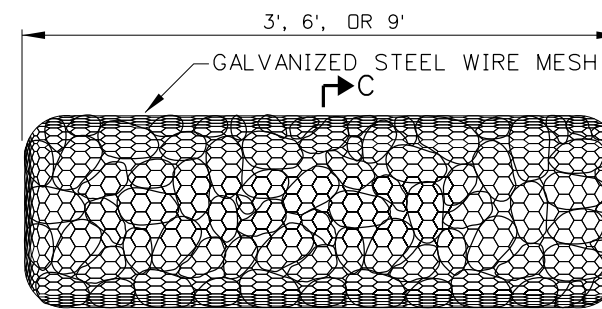
REKET MATTRESSES WITH GABIONS



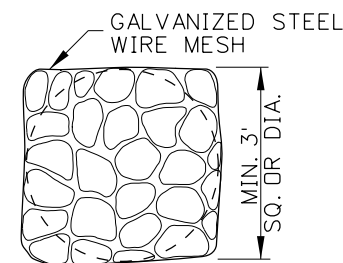
SECTION A-A



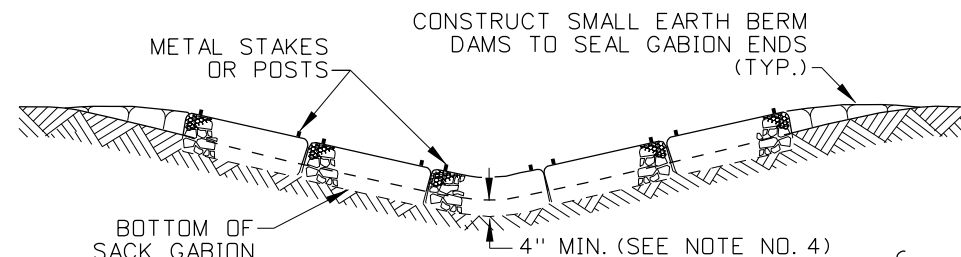
GABION CHECK DAM



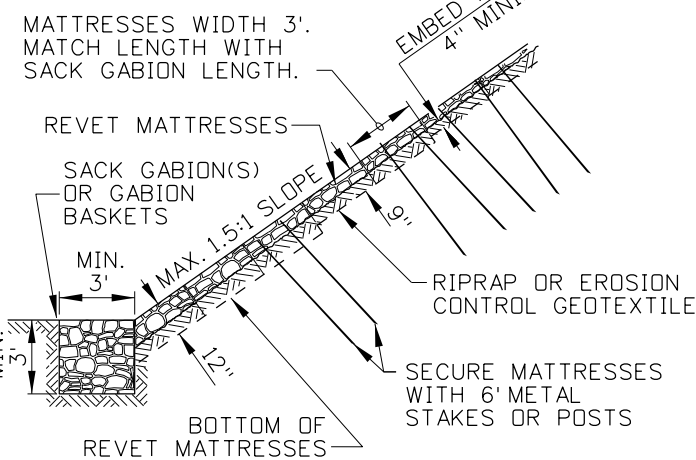
SACK GABION



SECTION C-C



SECTION B-B



TYPICAL SLOPE SECTION
SLOPE REVETMENT

GENERAL NOTES FOR PERMANENT EROSION CONTROL

1. USE PERMANENT EROSION CONTROL DEVICES STANDARD DRAWINGS IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE ITD BEST MANAGEMENT PRACTICES MANUAL.
2. SEE PLANS FOR SITE DIMENSIONS.
3. THE PLACEMENT OF PERMANENT EROSION CONTROL MEASURES IS SITE SPECIFIC. OBTAIN THE ENGINEER'S APPROVAL OF THE PERMANENT EROSION CONTROL MEASURES PRIOR TO INSTALLATION.
4. PERMANENT EROSION CONTROL DEVICES ARE INTENDED TO LAST MORE THAN 6 MONTHS AND SHOULD BE INTEGRATED THE FINAL EROSION CONTROL PLAN.

NOTES

1. OBTAIN APPROPRIATE PERMITS BEFORE EROSION DEVICES ARE PLACED IN STREAMS AND, CHANNELS, OR BOTH.
2. GABIONS AND REVET MATTRESSES MAY BE USED FOR PERMANENT EROSION CONTROL, TEMPORARY EROSION CONTROL, OR BOTH.
3. THE DISCHARGE THROUGH OR OVER REVET MATTRESSES, GABIONS, OR BOTH SHOULD BE DIRECTED ONTO STABILIZED AREA SUCH AS VEGETATION, RIPRAP, OR BOTH.
4. GABIONS AND REVET MATTRESSES SHOULD BE EMBEDDED A MINIMUM OF 4" INTO THE EXISTING GROUND.
5. ALL SACK GABIONS SHOULD BE SECURED WITH 6' x 3/4" METAL STAKES OR 6' STEEL POSTS.
6. ENSURE THAT THE WIDTH OF THE GABION OUTLET WEIR IS CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. GABIONS MAY BE USED WITH REVET MATTRESSES TO FORM SEDIMENT CONTROL DAMS AND SHOULD BE INSTALLED SO THAT THE CHANNEL CAPACITY IS NOT RESTRICTED SHOULD THE DEVICE TOTALLY SILT-UP. REVET MATTRESSES MAY BE USED AS A CHANNEL LINER TO PREVENT EROSION AND TO INTERCEPT SEDIMENT LADEN RUNOFF.
8. 6" REVET MATTRESSES WILL USUALLY PROMOTE VEGETATION FOR SIDE SLOPES THAT ARE NOT CONTINUALLY SUBMERGED IN WATER. 9" REVET MATTRESSES MAY BE USED TO LINE LARGE CHANNELS OR STREAMS WITH GREATER FLOW RATES OR IN SOILS THAT ERODE EASILY. 12" REVET MATTRESSES MAY BE USED TO LINE LARGE STREAMS AND RIVERS.
9. SECURE REVET MATTRESSES USED FOR SLOPE REVETMENT WITH METAL POSTS OR STAKES TO PREVENT SLIDING OR SHIFTING.
10. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-96	MSM						
2	10-10	KEH						
3	10-11	KEH						
4	01-13	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 212-10_0213.dgn
DRAWING DATE: JANUARY, 1994

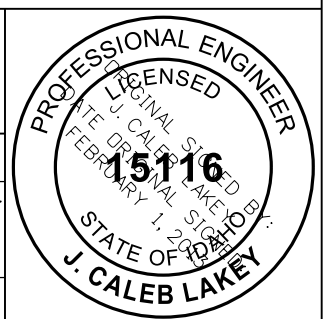
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

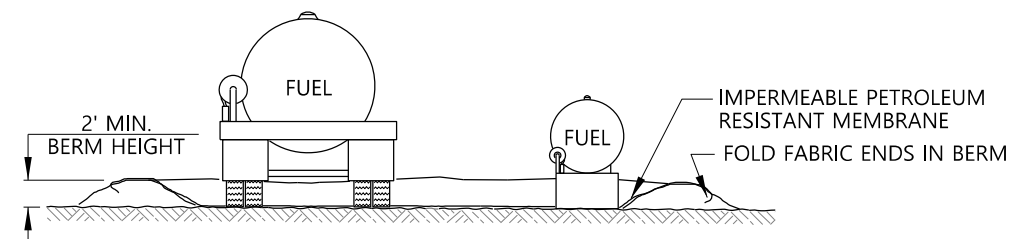
ORIGINAL SIGNED BY: LOREN THOMAS HIGHWAYS PROGRAM OVERSIGHT ENGINEER
ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER

STANDARD DRAWING PERMANENT EROSION AND SEDIMENT CONTROL GABION AND REVET MATTRESS
--

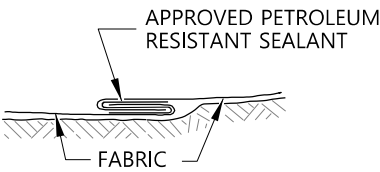
English STANDARD DRAWING NO. 212-10 SHEET 1 OF 1

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

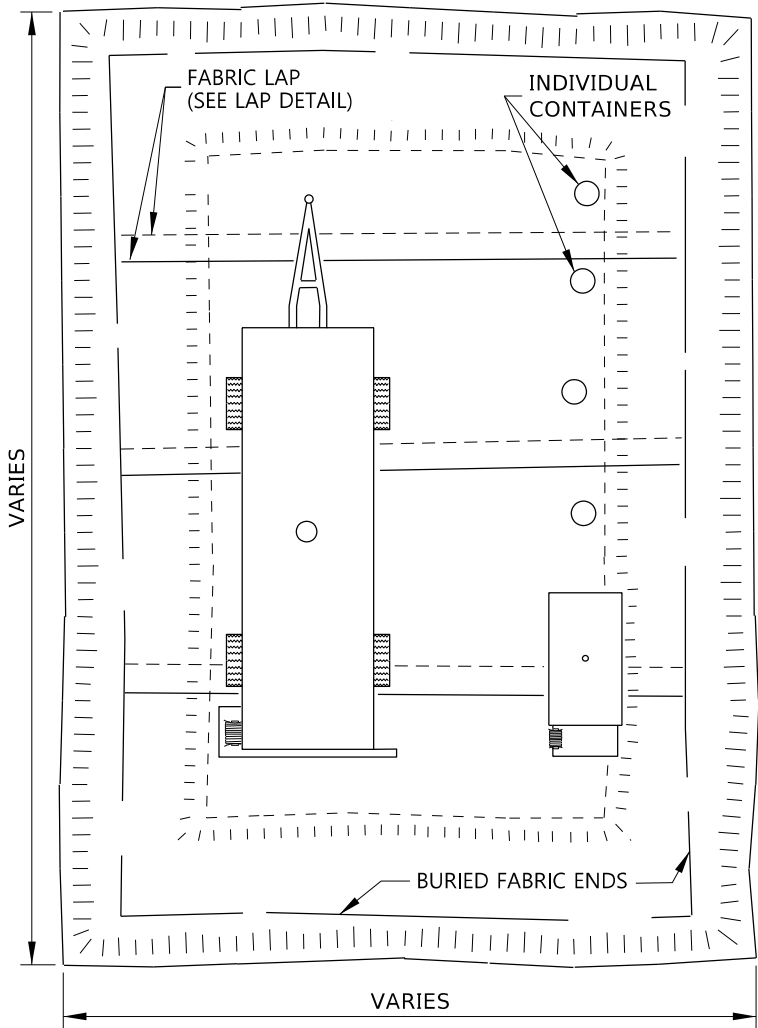




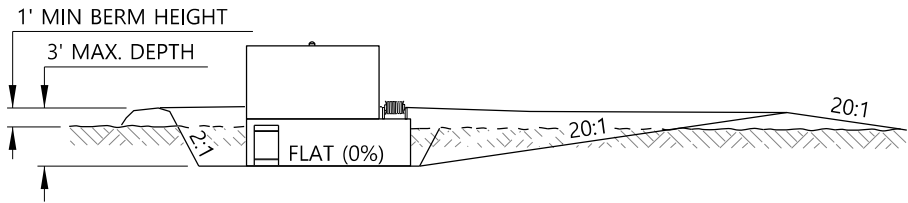
ELEVATION



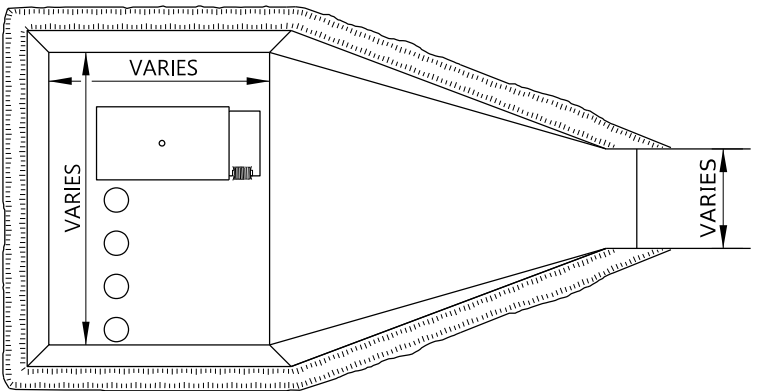
LAP DETAIL



PETROLEUM STORAGE AREA - TYPE 1



ELEVATION



PLAN

PETROLEUM STORAGE AREA - TYPE 2

NOTES

1. USE THIS DRAWING IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACITCES MANUAL.
2. PROVIDE THE PETROLEUM STORAGE AREA FOR THE DURATION OF THE PROJECT.
3. PROVIDE A TYPE 1 OR TYPE 2 PETROLEUM STORAGE AREA WITH AN IMPERMEABLE PETROLEUM RESISTANT MEMBRANE IF PETROLEUM PRODUCTS ARE STORED ONSITE.
4. ENSURE THE TOTAL VOLUME OF THE BERMED AREA IS 110 PERCENT OF THE TOTAL CAPACITY OF THE STORAGE CONTAINERS INSIDE THE BERM.
5. NOTIFY THE ENGINEER AND THE HAZARDOUS MATERIALS COORDINATOR OF SOIL CONTAMINATION RESULTING FROM PETROLEUM SPILLS. COORDINATE REMOVAL PROCEDURES WITH THE ENGINEER AND HAZARDOUS MATERIAL COORDINATOR BEFORE PERFORMING THE WORK.
6. ENSURE RUNOFF AT THE EQUIPMENT STAGING AREA ENTRANCE IS RETAINED IN THE STAGING AREA.
7. REMOVE UNCONTAMINATED STORMWATER FROM INSIDE THE STORAGE AREA. TREAT CONTAMINATED STORMWATER AS A HAZARDOUS WASTE.
8. STORE INCOMPATIBLE MATERIALS IN SEPARATE STORAGE AREAS.
9. STORE MATERIALS IN THEIR ORIGINAL PACKAGING AND ON PALLETS.
10. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-98	MSM						
2	10-10	KEH						
3	11-13	RDL						
4	01-23	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 212-15_0423.dgn
DRAWING DATE: DECEMBER, 1995

IDAHO
TRANSPORTATION
DEPARTMENT

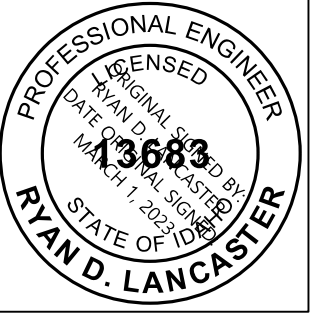
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

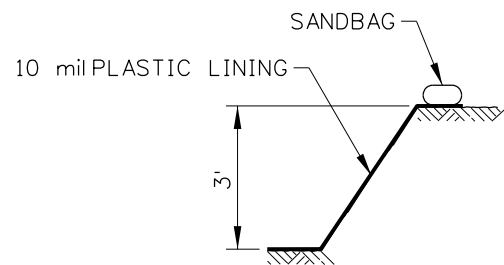
ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
PETROLEUM STORAGE AREA
REQUIRES STD. DWG. 212-5

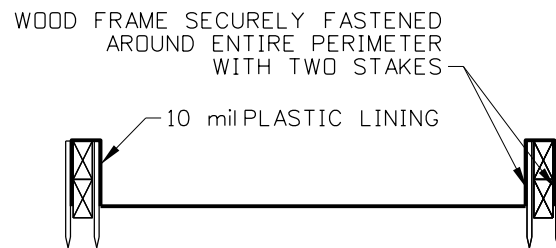
ENGLISH
STANDARD DRAWING NO. 212-15
SHEET 1 OF 1

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

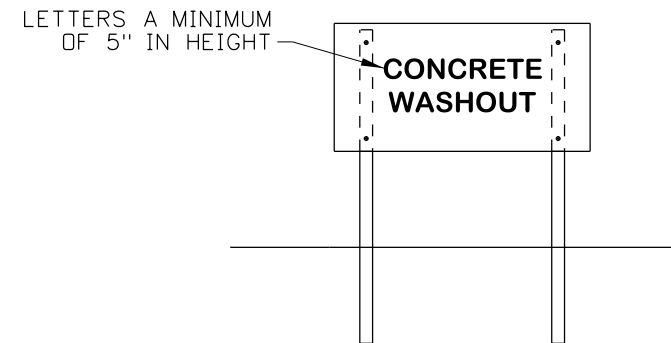




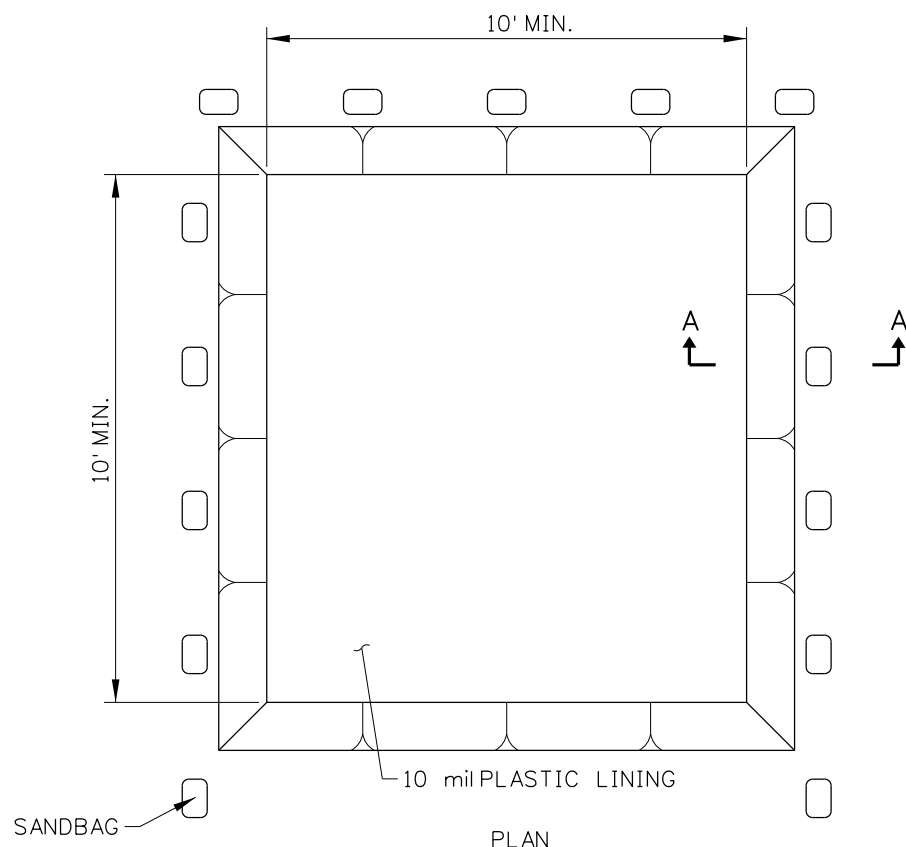
SECTION A-A



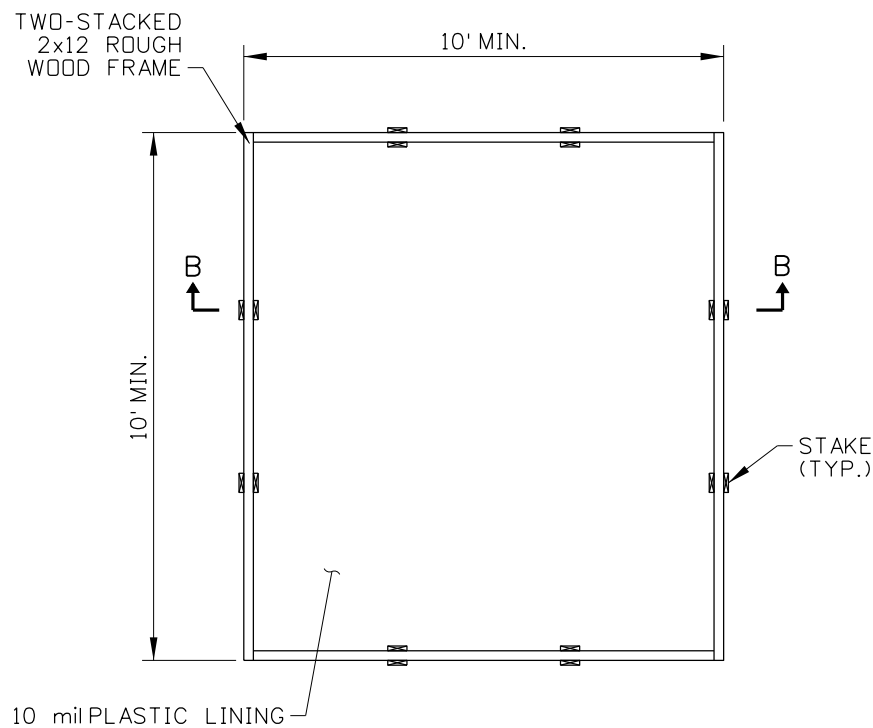
SECTION B-B



CONCRETE WASHOUT SIGN DETAIL
(SEE NOTE NO. 2)



TYPE BELOW GRADE



TYPE ABOVE GRADE

NOTES

1. USE THIS DRAWING IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES (BMP) MANUAL.
2. ACTUAL LAYOUT DETERMINED IN THE FIELD
3. INSTALL THE CONCRETE WASHOUT SIGN WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
4. USE OF PREFABRICATED TEMPORARY WASHOUT MAY ONLY BE USED ON APPROVAL BY THE ENGINEER.
5. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	11-13	RDL						

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
212-16_1113.dgn

DRAWING DATE:
OCTOBER, 2010

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: TOM COLE *for*
HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE

CHIEF ENGINEER

STANDARD DRAWING

TEMPORARY CONCRETE
WASHOUT

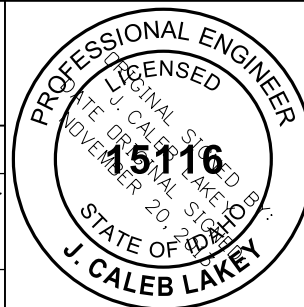
ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

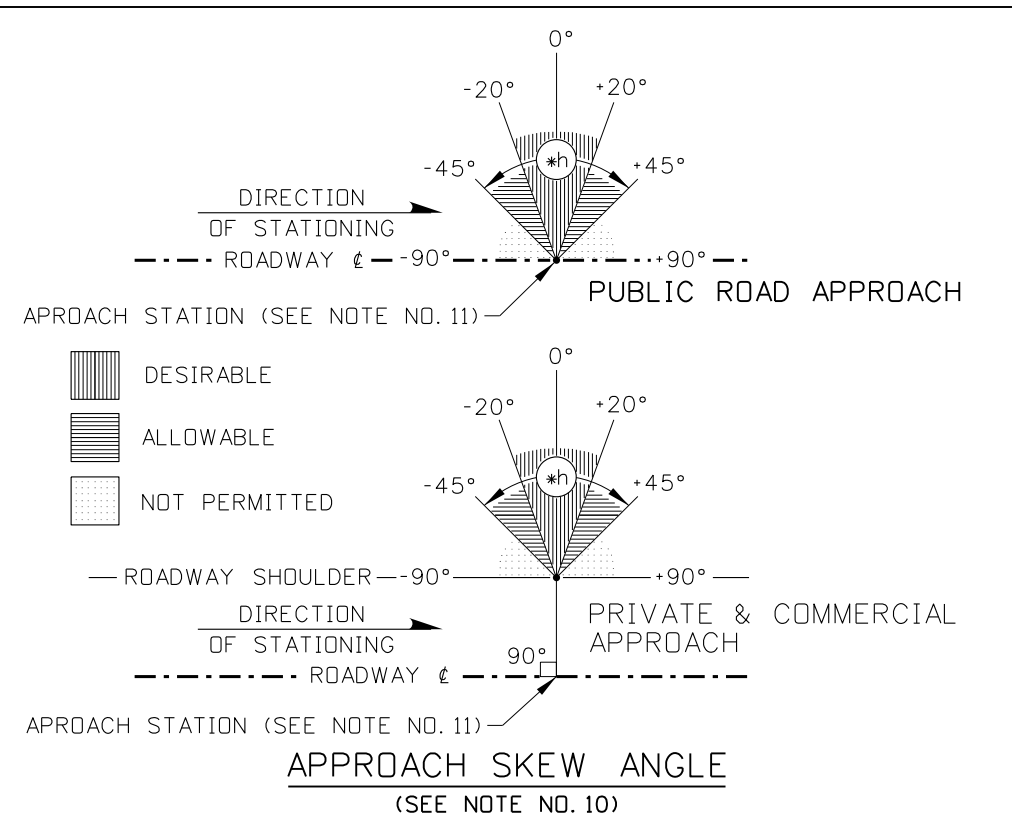
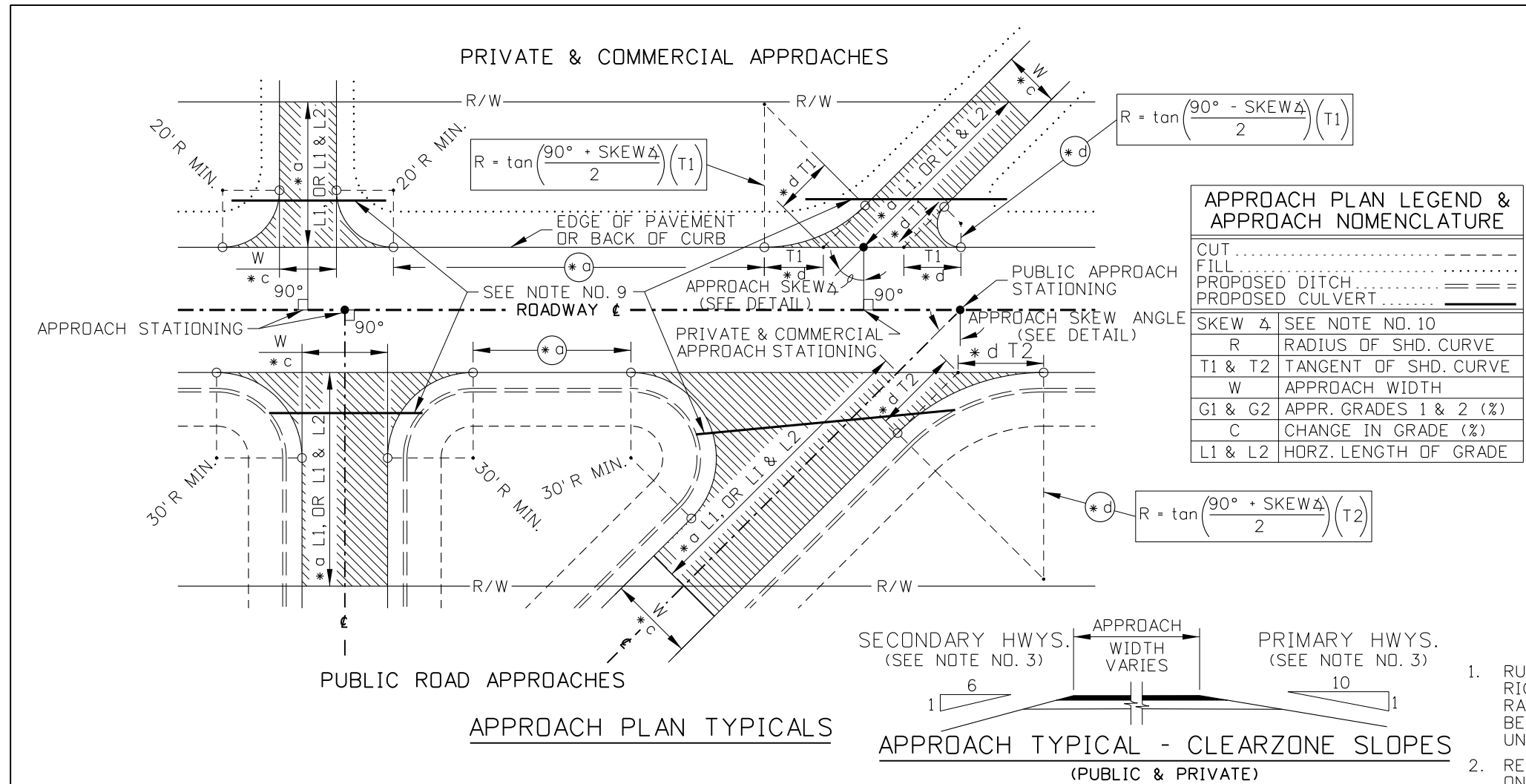
English

STANDARD DRAWING NO.

212-16

SHEET 1 OF 1



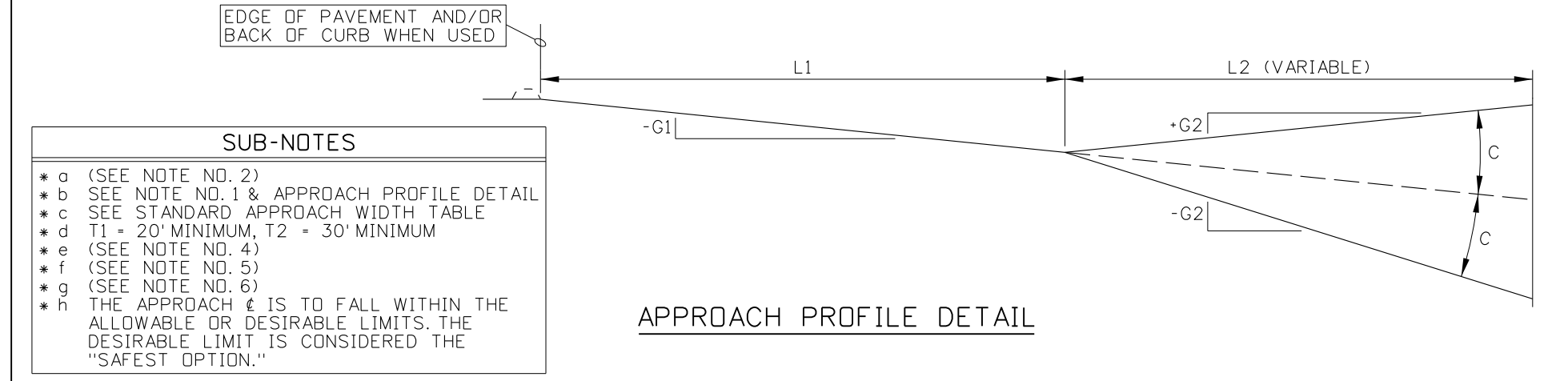


NOTES

- 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	MINIMUM LENGTH L1
	G1 (RANGE)	G2 (MAX.)	C	
HIGH VOLUME (COMMERCIAL, INDUSTRIAL)	-2% TO -3%	±5%	±3%	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'

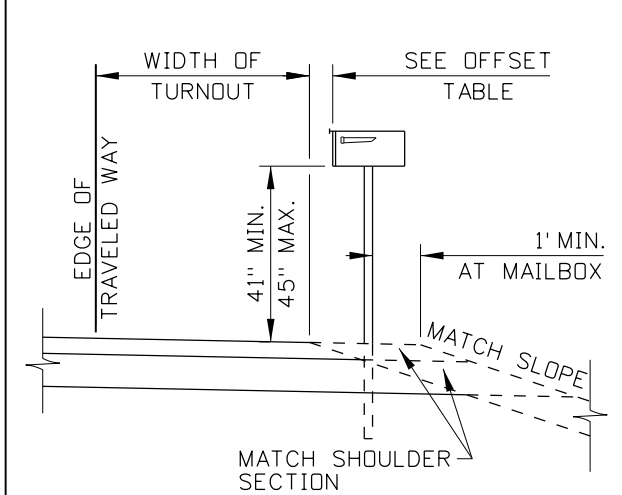
STANDARD APPROACH WIDTH TABLE				
APPR. TYPE	POSTED SPEED (mph)	≤35		≥35
	MIN./MAX. WIDTH	MIN.	MAX.	MIN. MAX.
MULTIPLE RESIDENTIAL		28'	40'	28' 40'
SINGLE RESIDENTIAL, FARMYARD, FIELD		12'	40'	20' 40'
COMMERCIAL (ONE-WAY)		15'	30'	20' 30'
COMMERCIAL (TWO-WAY)		25'	40'	25' 40'
PUBLIC ROAD		28'	N/A	28'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



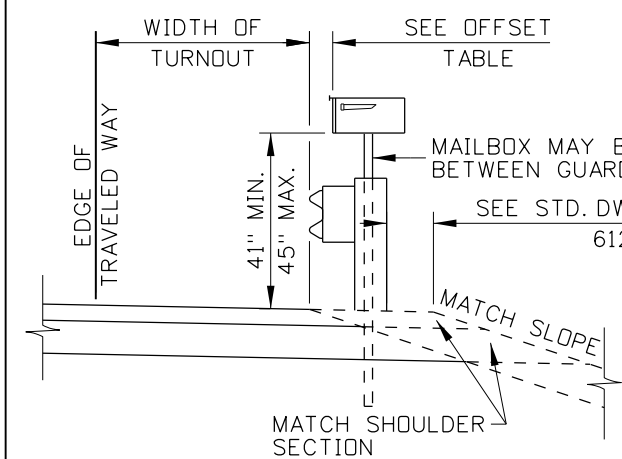
REVISIONS								SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY		IDAHO TRANSPORTATION DEPARTMENT	ORIGINAL SIGNED BY: LOREN THOMAS ASSISTANT CHIEF ENGINEER (DEVELOPMENT)	ORIGINAL SIGNED BY: STEVEN HUTCHINSON CHIEF ENGINEER	STANDARD DRAWING		English STANDARD DRAWING NO. 405-1 SHEET 1 OF 1
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY					RURAL APPROACHES		
1	01-00	MSM	6	12-05	MSM					CADD FILE NAME: 405-1_0607.dgn	BOISE IDAHO				
2	01-02	MSM	7	06-07	MSM										
3	07-02	MSM													
4	10-02	MSM													
5	08-04	MSM								DRAWING DATE: SEPTEMBER, 1993					

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

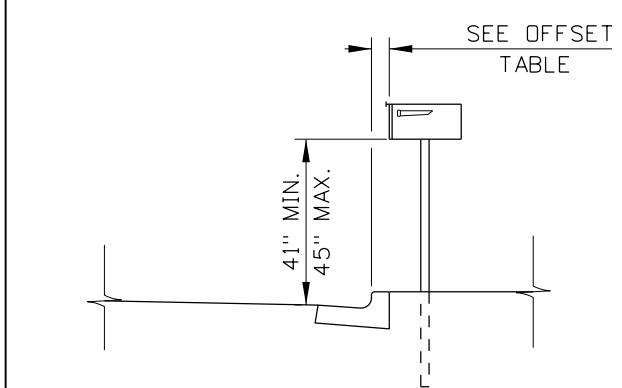
PROFESSIONAL ENGINEER * LAND SURVEYOR
MILFORD MILLER
STATE OF IDAHO
JUN 19, 2007
2240



INSTALLATION AT MAILBOX TURNOUT



INSTALLATION BEHIND GUARDRAIL



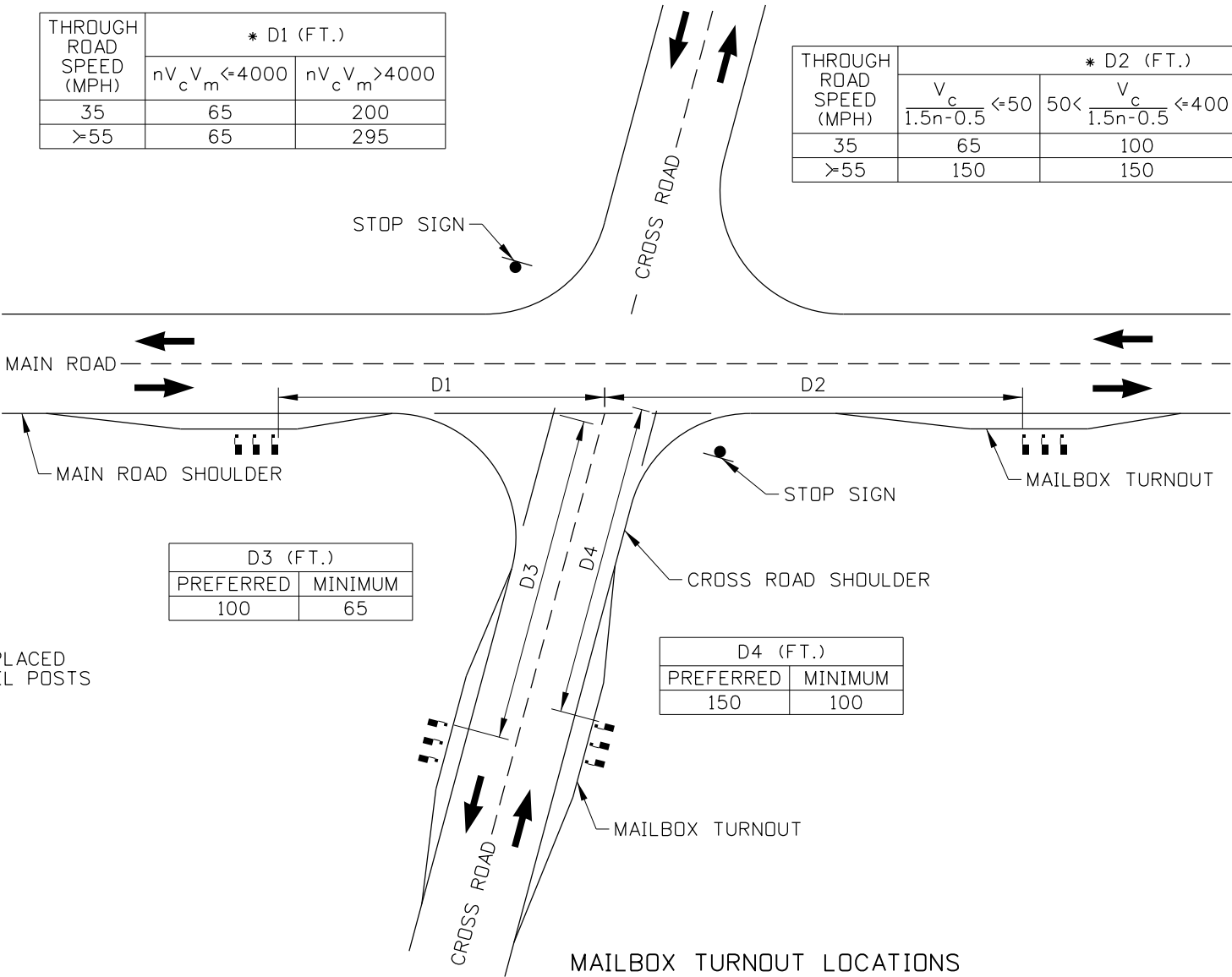
INSTALLATION ON CURBED RESIDENTIAL STREET

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.)		
	$V_c \leq 50$	$50 < \frac{V_c}{1.5n-0.5} \leq 400$	$\frac{V_c}{1.5n-0.5} > 400$
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

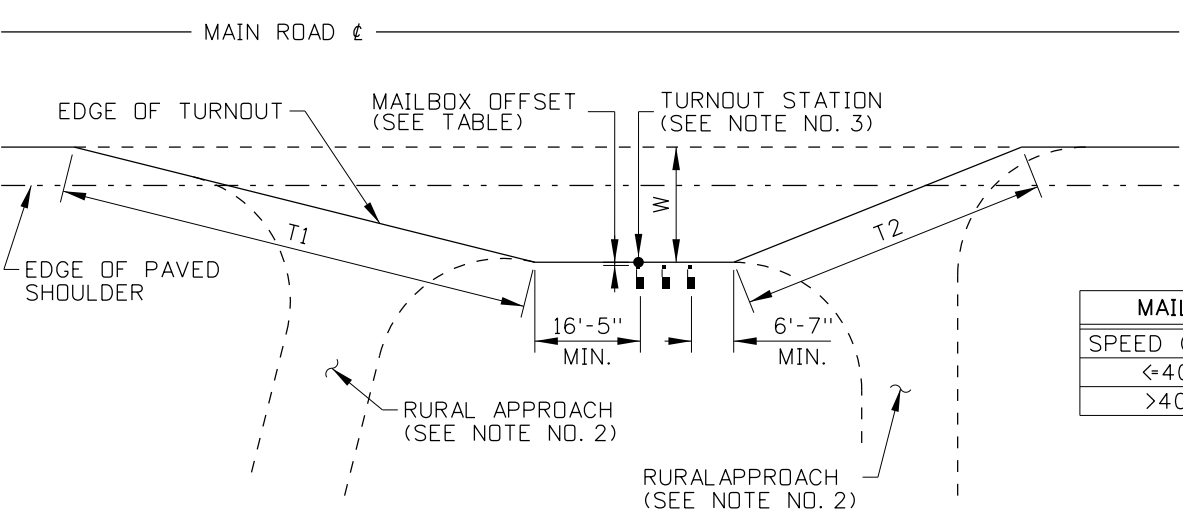


MAILBOX TURNOUT LOCATIONS

TURNOUT WIDTH AND MAILBOX OFFSET TABLE				
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		6
RESIDENTIAL STREET (NO CURB)	6	0		
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 TAPER		
SPEED (MPH)	T1	T2
<=40	4:1	2.5:1
>40	20:1	12:1

MAILBOX TURNOUT

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
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

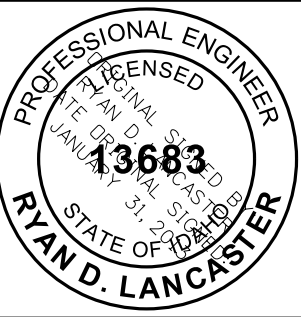
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

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

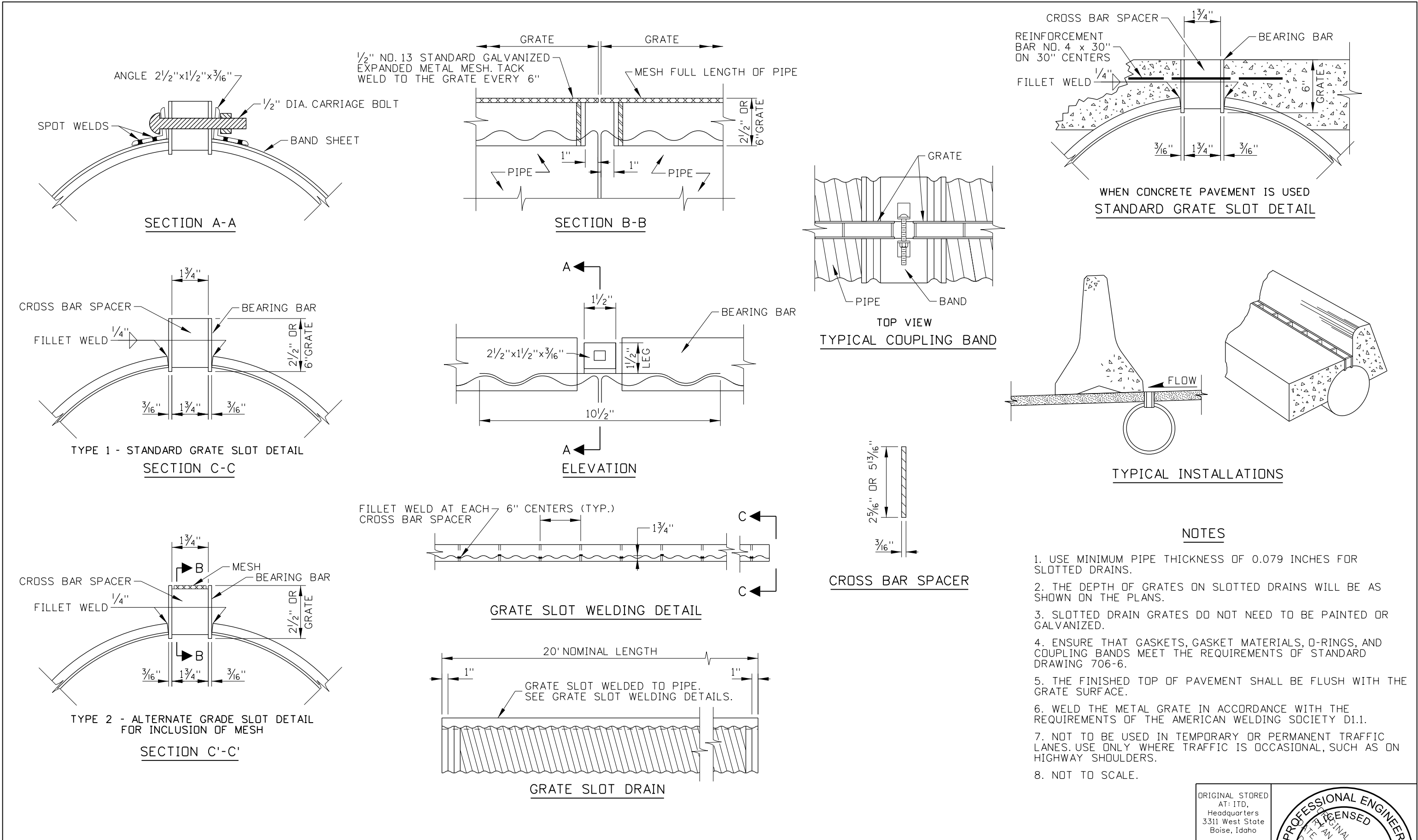
STANDARD DRAWING
MAILBOX TURNOUT
REQUIRES STD. DWG. 405-1

English
STANDARD DRAWING NO. 405-2
SHEET 1 OF 1

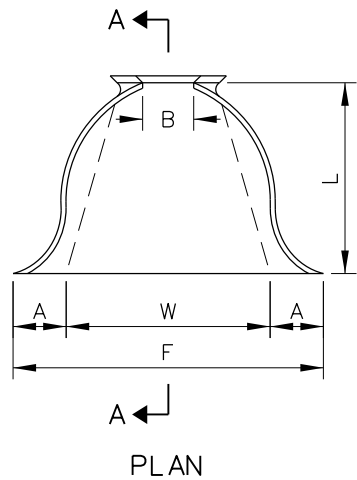
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



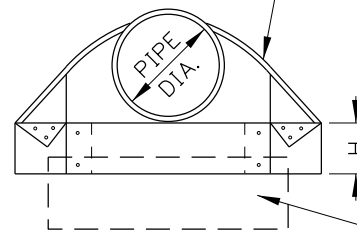
REVISIONS								SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY		IDAHO TRANSPORTATION DEPARTMENT			STANDARD DRAWING		<i>English</i>		
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE						BY	PIPE AND CONDUIT INSTALLATION		STANDARD DRAWING NO.	
1	12-15	RDL	6	03-21	TWF												
2	03-16	RDL															
3	06-17	RDL															
4	06-18	HEB															
5	11-18	TWF															
									CADD FILE NAME: 601-1_0421.dgn		BOISE IDAHO		ORIGINAL SIGNED BY: KEVIN SABLAN DESIGN/TRAFFIC SERVICES ENGINEER		601-1		
									DRAWING DATE: MAY 2014						SHEET 1 OF 1		



REVISIONS								SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT		STANDARD DRAWING		<i>English</i> STANDARD DRAWING NO. 605-1 SHEET 1 OF 1		
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE				BY	12" THRU 30" SLOTTED DRAIN			
1	01-79											ORIGINAL SIGNED BY: LOREN THOMAS			
2	02-96	IJR										HIGHWAYS PROGRAM OVERSIGHT ENGINEER			
3	06-02	MSM										ORIGINAL SIGNED BY: TOM COLE			
4	10-05	MSM										CHIEF ENGINEER			
5	12-12	RDL							CADD FILE NAME: 605-1_1212.dgn		REQUIRES STD. DWG. 706-6				
								DRAWING DATE: MAY, 1977		BOISE IDAHO					

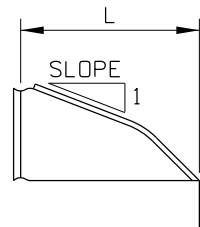


REINFORCED EDGE

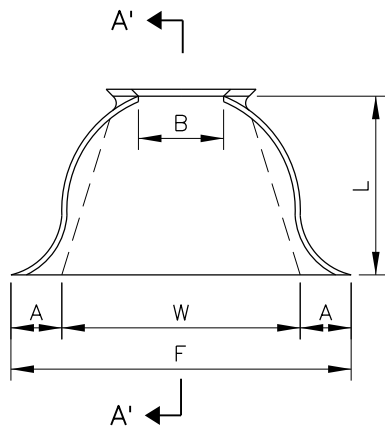


ELEVATION

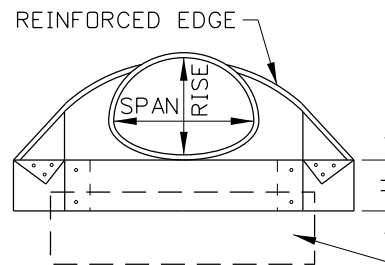
APRON FOR ROUND METAL PIPE
(GALVANIZED STEEL)



SECTION A-A
(TYPICAL)

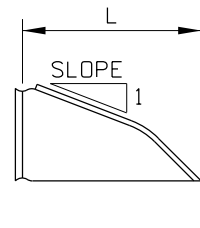


PLAN



ELEVATION

APRON FOR METAL ARCH PIPE
(GALVANIZED STEEL)



SECTION A'-A'
(TYPICAL)

DIMENSIONS TABLE									
PIPE DIA.	THICK-NESS (1000'S)	ALL DIMENSIONS ARE IN INCHES						APPROX. SLOPE	BODY
		A (MIN.)	B	H (MIN.)	F (MIN.)	L ±2"	W (MAX.)		
12	0.064	5	7	6	22	21	24	2½:1	1 PC.
15	0.064	7	8	6	28	26	30	2½:1	1 PC.
18	0.064	7	10	6	34	31	36	2½:1	1 PC.
21	0.064	8	12	6	40	36	42	2½:1	1 PC.
24	0.064	9	13	6	46	41	48	2½:1	1 PC.
30	0.079	13	16	8	55	51	60	2½:1	1 PC.
36	0.079	11	19	9	70	60	72	2½:1	2 PC.
42	0.109	15	25	10	82	69	84	2½:1	2 PC.
48	0.109	17	29	12	88	78	90	2½:1	2 PC.
54	0.109	17	33	12	100	84	102	2:1	2 PC.
60	0.109	17	36	12	112	87	114	2½:1	3 PC.
66	0.109	17	39	12	118	87	120	2½:1	3 PC.
72	0.109	17	44	12	120	87	126	2½:1	3 PC.
78	0.109	17	48	12	130	87	132	2½:1	3 PC.
84	0.109	17	52	12	136	87	138	2½:1	3 PC.

DIMENSIONS TABLE										
PIPE-ARCH SPAN IN. RISE IN.		THICK-NESS (1000'S)	ALL DIMENSIONS ARE IN INCHES						APPROX. SLOPE	BODY
			A (MIN.)	B	H (MIN.)	F (MIN.)	L ±2"	W (MAX.)		
17	13	0.064	5	9	6	28	20	50	2½:1	1 PC.
21	15	0.064	6	11	6	34	24	58	2½:1	1 PC.
24	18	0.064	7	12	6	40	28	63	2½:1	1 PC.
28	20	0.064	7	16	6	46	32	70	2½:1	1 PC.
35	24	0.079	9	16	6	58	39	85	2½:1	1 PC.
42	29	0.079	11	18	8	73	46	104	2½:1	1 PC.
49	33	0.109	12	21	9	82	53	117	2½:1	2 PC.
57	38	0.109	16	26	10	88	62	130	2½:1	2 PC.
64	43	0.109	17	30	12	100	79	142	2¼:1	2 PC.
71	47	0.109	17	36	12	112	77	156	2¼:1	2 PC.
77	52	0.109	17	36	12	124	77	167	2:1	3 PC.
83	57	0.109	17	44	12	130	77	179	2:1	3 PC.

NOTES

- ALL 3-PIECE BODIES (APRONS WITH PIPE DIA. 60 IN. & LARGER) TO HAVE 0.109 IN. SIDES AND 0.138 IN. CENTER PANELS. MULTIPLE PANEL BODIES TO HAVE LAP SEAMS WHICH ARE TO BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS.
- THE REINFORCED EDGES OF GALVANIZED STEEL APRONS, FOR ROUND METAL PIPE SIZES 60 IN. THROUGH 84 IN. AND FOR ARCH METAL PIPE SIZES 77x62 IN. THROUGH 83x57 IN., ARE TO BE SUPPLEMENTED BY GALVANIZED STIFFENER ANGLES. THE ANGLES ARE TO BE ATTACHED BY GALVANIZED BOLTS AND NUTS.
- ANGLE REINFORCEMENT WILL BE PLACED UNDER THE CENTER PANEL SEAMS ON ARCH PIPE SIZES 77x52 IN. THROUGH 83x57 IN.
- A GALVANIZED TOE PLATE IS AVAILABLE AS AN ACCESSORY. WHEN SPECIFIED IT SHALL BE THE SAME GAGE AS THE APRON.
- THE APRON SHALL BE CONNECTED TO PIPE BY USING EITHER CONNECTING BANDS, RODS, OR STRAPS.
- NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-64		6	06-84				
2	06-68		7	07-92	MSM			
3	04-70		8	11-01	MSM			
4	10-76		9	03-05	MSM			
5	07-78							

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
608-1_0305.dgn

DRAWING DATE:
APRIL, 1961

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

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

ORIGINAL SIGNED BY: STEVEN HUTCHINSON
CHIEF ENGINEER

STANDARD DRAWING

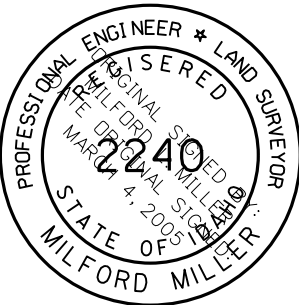
GALVANIZED STEEL APRONS
FOR PIPE CULVERTS

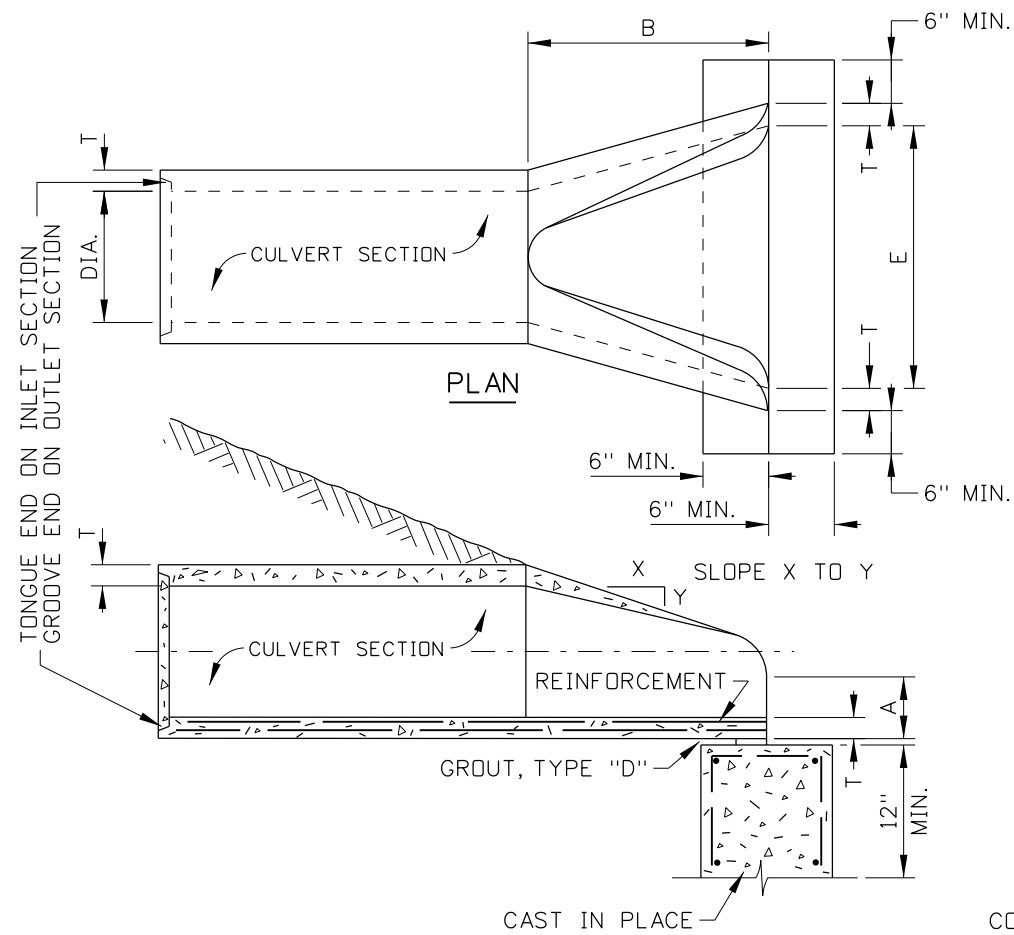
English

STANDARD DRAWING NO.
608-1

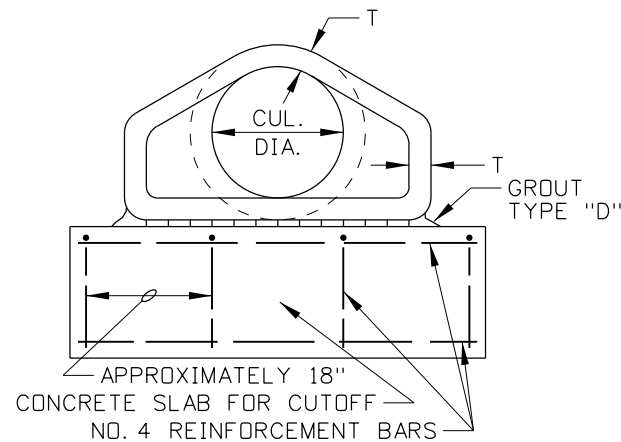
SHEET 1 OF 1

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

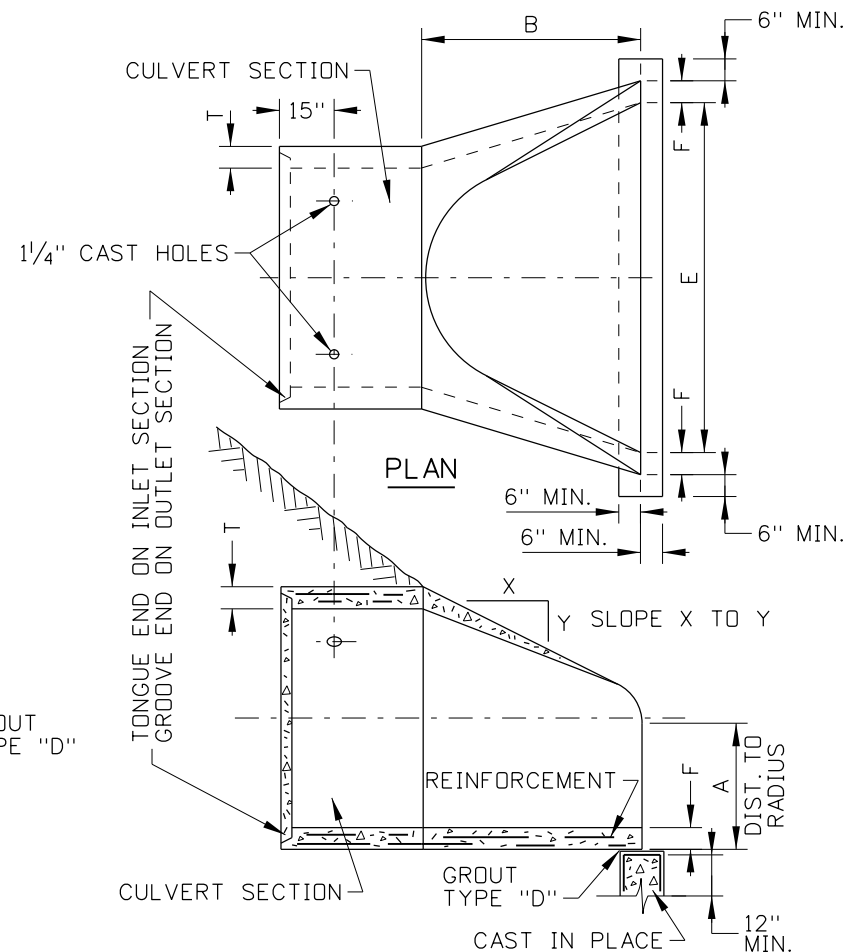




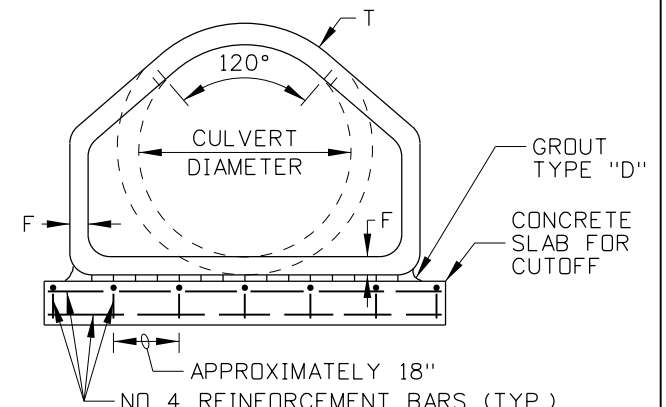
LONGITUDINAL SECTION
(FOR 12" TO 54" DIA. PIPE)



END VIEW
(FOR 12" TO 54" DIA. PIPE)

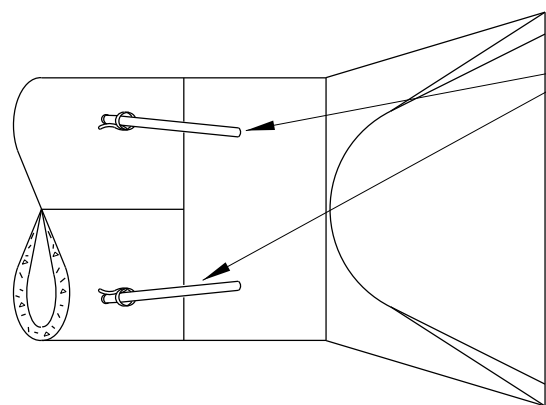


LONGITUDINAL SECTION
(FOR 60" TO 84" DIA. PIPE)



END VIEW
(FOR 60" TO 84" DIA. PIPE)

APRON DIMENSION FOR 12" TO 54" DIA. PIPE					
DIA.	A	B	E	T	SLOPE
12"	4"-5"	1'-10" - 2'-0"	2'-0"	2"	3 TO 1
15"	6"	2'-3"	2'-6"	2 1/4"	3 TO 1
18"	9"-10"	2'-3"	3'-0"	2 1/2"	3 TO 1
21"	9"	3'-0"	3'-5"	2 3/4"	3 TO 1
24"	9 1/2"-10"	3'-7" - 3'-7 1/2"	4'-0"	3"	3 TO 1
27"	10 1/2"	4'-1 1/2"	4'-6"	3 1/4"	3 TO 1
30"	1'-0"	4'-6"	5'-0"	3 1/2"	3 TO 1
36"	1'-3"	5'-3" - 5'-4"	6'-0"	4"	3 TO 1
42"	1'-9" - 1'-10"	5'-3" - 5'-4"	6'-6"	4 1/2"	3 TO 1
48"	2'-0"	6'-0"	7'-0"	5"	3 TO 1
54"	2'-3"	5'-5"	7'-6"	5 1/2"	2 TO 1



ANCHORING DETAIL

60" DIA. PIPE:
2 - 1" TIE BOLTS EACH AT 60° TO THE VERTICAL USED TO TIE THE END SECTION TO ADJACENT STRAIGHT SECTION.
72" DIA. & 84" DIA. PIPE:
2 - 1" TIE BOLTS PLACED AS SPECIFIED FOR 60" PIPE ALSO 1 - 1" TIE BOLT IS TO BE PLACED AT THE TOP.

APRON DIMENSION FOR 60" TO 84" DIA. PIPE						
DIA.	A	B	E	F	T	SLOPE
60"	2'-11"	5'-0"	8'-0"	5"	6"	2 TO 1
72"	3'-0"	6'-6"	9'-0"	6"	7"	1.86 TO 1
84"	3'-0"	7'-6 1/2"	10'-0"	6 1/2"	8"	1.5 TO 1

NOTES

1. TONGUE AND GROOVE JOINTS ARE SHOWN ON THE DRAWING FOR EXAMPLE ONLY. OTHER JOINTS MAY BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	4-66							
2	8-67							
3	2-00	MSM						
4	10-05	MSM						
5	12-12	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: MARCH, 1966

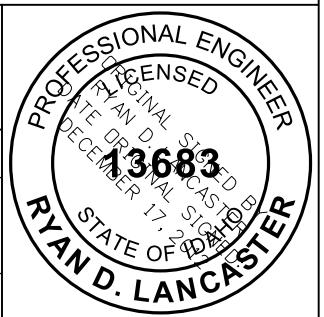
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

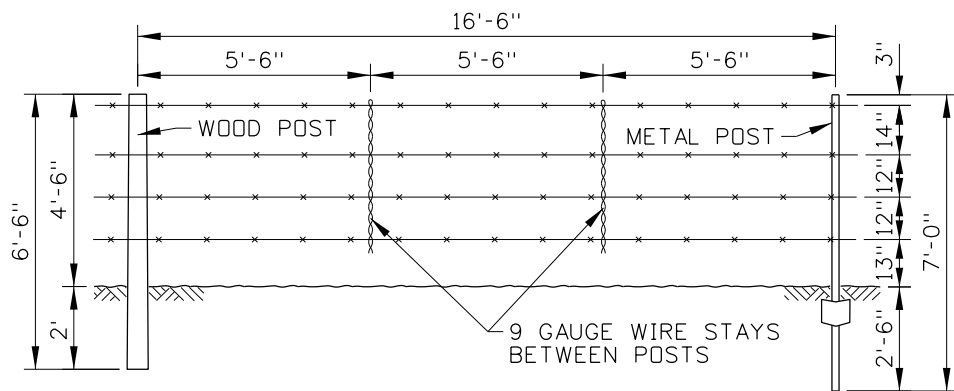
ORIGINAL SIGNED BY: LOREN THOMAS HIGHWAYS PROGRAM OVERSIGHT ENGINEER
ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER

STANDARD DRAWING
CONCRETE APRONS FOR PIPE CULVERTS

English
STANDARD DRAWING NO. 608-2
SHEET 1 OF 1

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

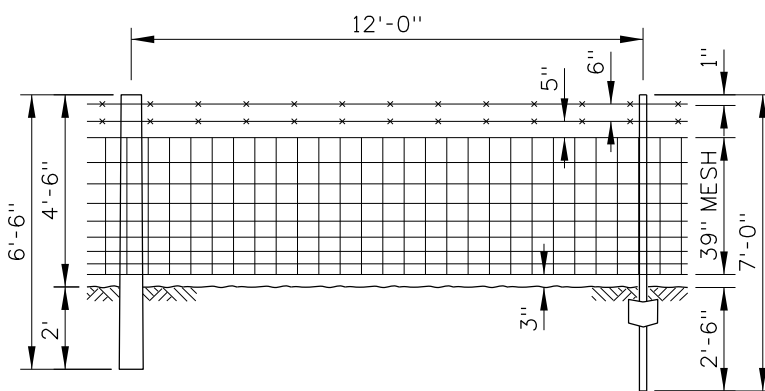




1A (WOOD)

FENCE TYPE 1

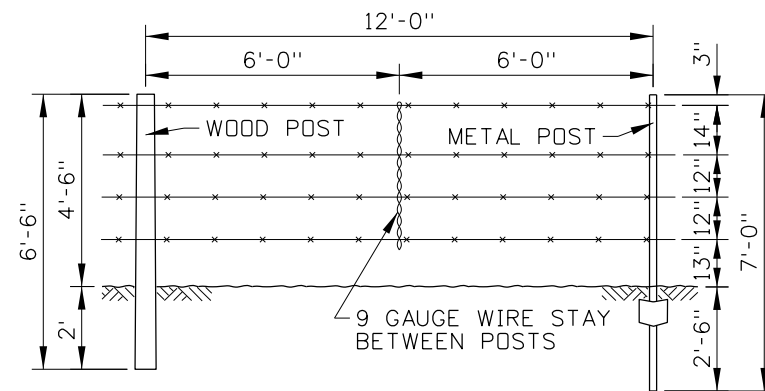
1B (METAL)



3A (WOOD)

FENCE TYPE 3

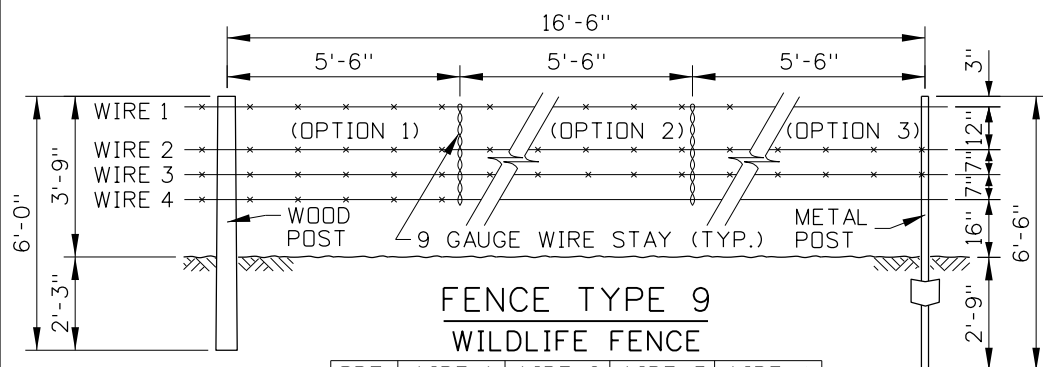
3B (METAL)



5-A (WOOD)

FENCE TYPE 5

5-B (METAL)

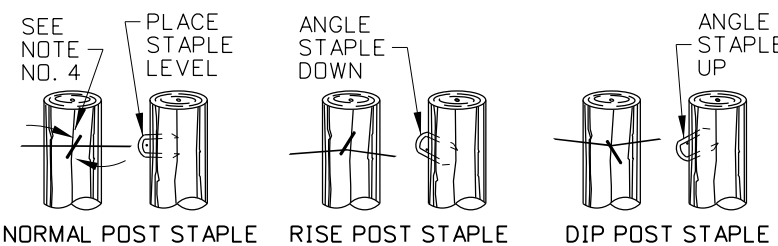


9-A
(WOOD)

FENCE TYPE 9
WILDLIFE FENCE

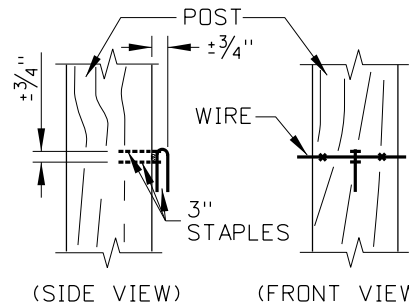
9-B
(METAL)

OPT.	WIRE 1	WIRE 2	WIRE 3	WIRE 4
1	BARBED	BARBED	BARBED	BARBED
2	BARBED	BARBED	BARBED	SMOOTH
3	SMOOTH	BARBED	BARBED	SMOOTH



WOOD FENCE POST STAPLE DETAILS

(SEE NOTE NO. 4)



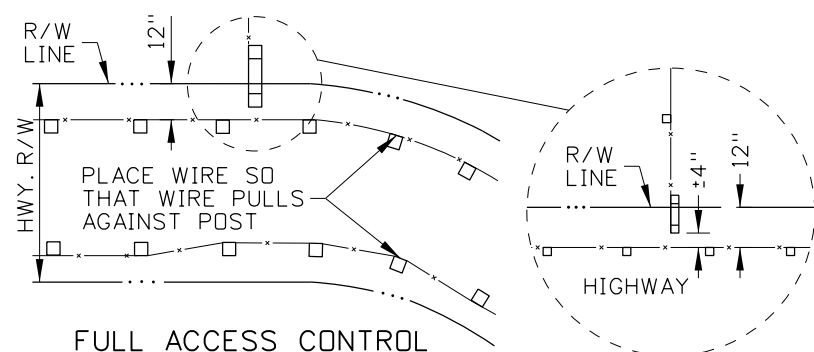
DROP FENCE STAPLE DETAIL

(SEE NOTE NO. 1)

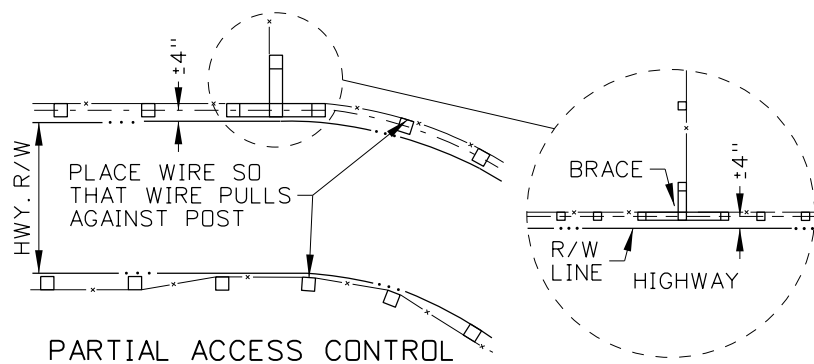
FENCE DIST. FROM TRANSMISSION LINE	kV	POST MATERIAL	GROUNDING INTERVAL
0' - 100'	500	ALL	200'
100' - 200'	500	ALL	500'
0' - 100'	345	ALL	400'
100' - 150'	345	ALL	1,000'
50' - 100'	230	ALL	500'

BARBED OR WOVEN WIRE FENCE NOTES

1. DESIGNATE POST MATERIAL ON PROJECT PLANS. INDICATE WHETHER THE FENCE WILL BE A DROP FENCE AND THE LOCATION WHERE DROP FENCE STAPLES WILL BE USED.
2. DESIGNATE OPTION 1, 2, OR 3 FOR FENCE TYPE 9 - WILDLIFE FENCE - ON PROJECT PLANS.
3. ATTACH ANCHOR PLATES TO METAL POSTS UNLESS THE POST IS SET IN SOLID ROCK. GROUT DRILL HOLES WHEN METAL POSTS ARE SET IN SOLID ROCK.
4. STAPLE EACH WIRE TO EACH WOOD POST. STAPLE ALTERNATING WIRES ON MESH WIRE FENCES. USE TWO STAPLES ON BRACES AND IN SAG SECTIONS. ROTATE THE STAPLES TO STRADDLE ACROSS THE WOOD GRAIN. ALLOW ENOUGH SPACE FOR WIRE TO SLIDE THROUGH THE STAPLE.
5. ATTACH FENCE WIRE OR WIRE MESH TO STEEL POSTS WITH WIRE CLAMPS. USE ONE WIRE CLAMP PER WIRE. ON WIRE MESH, USE FOUR WIRE CLAMPS PER POST OR EIGHT WIRE CLAMPS PER POST IN SAG SECTIONS.
6. GROUND WIRE AND WIRE MESH FENCES THAT ARE NEAR POWER TRANSMISSION LINES OR THAT PASS UNDER TRANSMISSION LINES. SEE THE WIRE AND WIRE MESH FENCE GROUNDING TABLE AND WIRE AND WIRE MESH FENCE GROUNDING DETAILS. TO GROUND, CONNECT EACH FENCE WIRE TO 6 GAUGE BRAIDED GROUND CABLE WITH SPLIT BOLT CABLE CONNECTORS. FOR WIRE MESH FENCE, CONNECT THE BRAIDED GROUND CABLE EVERY 18". GROUND THE FENCE ONCE IF THE FENCE SECTION IS SHORTER THAN THE GROUNDING INTERVAL.
7. WHEN THE FENCE TERMINATES AT A BRIDGE, ENSURE THAT THE TOP OF THE FENCE DOES NOT EXTEND BEYOND THE TOP OF THE PARAPET OR RAILING.
8. ON THE SAG DETAIL, INSTALL CORNER BRACE IN ADDITION TO THE CONCRETE BASE WHEN THE ANGLE IS GREATER THAN 20°.

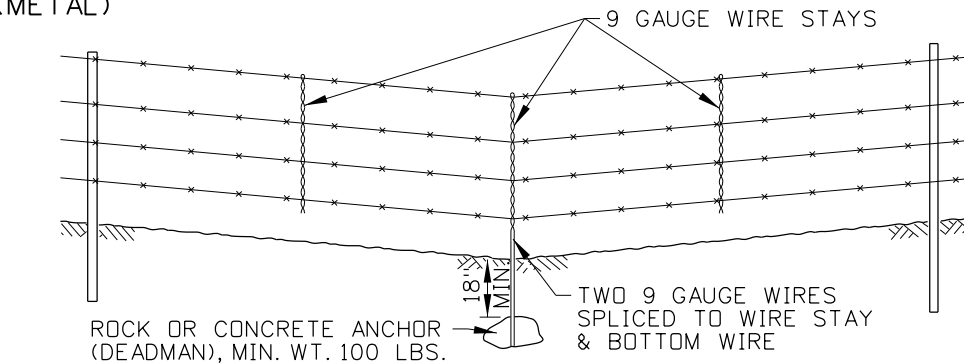


FULL ACCESS CONTROL

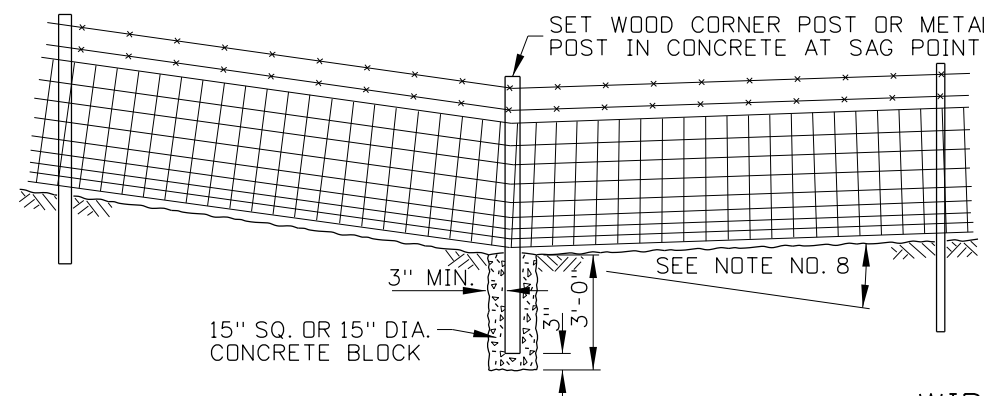


PARTIAL ACCESS CONTROL

RIGHT-OF-WAY FENCE LOCATION DETAILS



SAG DETAILS



WIRE AND WIRE MESH
FENCE GROUNDING DETAILS

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
610-1_1216.dgn

DRAWING DATE:
NOVEMBER, 2016

IDAHO
TRANSPORTATION
DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

FENCES

English

STANDARD DRAWING NO.
610-1

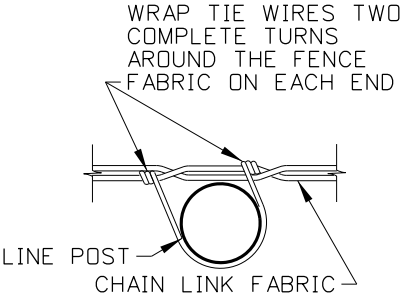
SHEET 1 OF 3

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

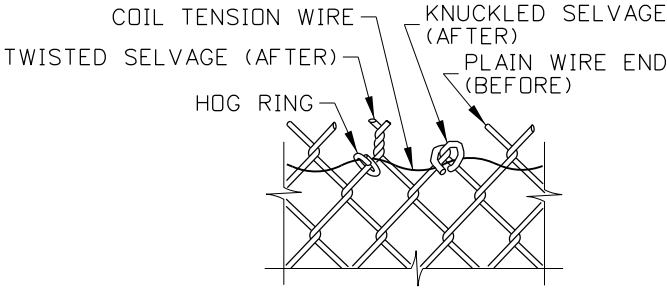
PROFESSIONAL ENGINEER
RYAN D. LANCASTER
13683
STATE OF IDAHO
DECEMBER 6, 2010

CHAIN LINK FENCE HARDWARE TABLE		
CORNER, END AND GATE POSTS		SEE STANDARD SPECIFICATIONS FOR HIGHWAY CONST.
LINE POST		SEE STANDARD SPECIFICATIONS FOR HIGHWAY CONST.
BRACE RAIL/TOP RAIL		SEE STANDARD SPECIFICATIONS FOR HIGHWAY CONST.
POST CAP		CAST NON-FERROUS ALLOY OR GALVANIZED PRESSED STEEL CAP. MUST FIT SNUGGLY ON POST.
EYE-TOP CAP		GALVANIZED PRESSED STEEL MIN. 3/32" THICKNESS OR GALVANIZED MALLEABLE FERROUS ALLOY
STRECHER BAR BAND		CLASS 1 - MIN. 1/8" x 3/4" MIN. GALVANIZED STEEL CLASS 2 - MIN. 3/32" x 5/16" MIN. GALVANIZED STEEL
TENSION WIRE/BRACE BAND		CLASS 1 - MIN. 1/8" x 3/4" MIN. GALVANIZED STEEL CLASS 2 - MIN. 3/32" x 5/16" MIN. GALVANIZED STEEL
BAND BOLT		CLASS 1 - 5/16" DIA. x 1 3/4" GALV. CARRIAGE BOLT CLASS 2 - 3/8" DIA. x 1 1/4" GALV. CARRIAGE BOLT, (LOCK WASHER & FLAT WASHER FOR EACH BAND)
RAIL END		GALVANIZED PRESSED STEEL OR GALVANIZED MALLEABLE FERROUS ALLOY MIN. 3/8" THICKNESS ON BACK BOLTING APPENDAGE
BRACE END		GALVANIZED PRESSED STEEL OR GALVANIZED MALLEABLE FERROUS ALLOY MIN. 3/8" THICKNESS ON BACK BOLTING APPENDAGE
TRUSS ROD TIGHTENER		CLASS 1 - MIN. 3/8" FORMED GALVANIZED STEEL CLASS 2 - MIN. 1/4" FORMED GALVANIZED STEEL
TRUSS ROD		3/8" GALVANIZED, NC TREADED ROD, LOCK WASHER, & FLAT WASHER WITH TWO 90° BENDS OPPOSITE OF TREADED END
TOP RAIL SLEEVE		GALVANIZED STEEL, NOT TO BE USED ON R/W FENCES, MUST MEET REQUIRED PIPE THICKNESSES
TENSION BAR		CLASS 1 - MIN. 1/8" x 3/4" GALVANIZED STEEL CLASS 2 - MIN. 1/8" x 5/16" GALVANIZED STEEL
FENCE FABRIC		2" GALVANIZED DIAMOND MESH STEEL FABRIC
TIE WIRES		MIN. 9 GAUGE ALUMINUM WITH ONE HOOKED END
COIL TENSION WIRE		MIN. 7 GAUGE
BARBED WIRE & 3-WIRE BARBARM		BARBED WIRE: 14 GAUGE SPACED GALVANIZED MEDIUM CARBON STEEL WIRE WITH BARBS SPACED AT 5" C. to C. GALVANIZING SHALL CONFORM TO APPLICABLE A.S.T.M. DES. A-121-66 FOR ZINC-COATED & AASHTO M 280 SPECIFICATIONS. 3-WIRE BARBARM: BARBWIRE ARM (ONE PIECE "Z" CUT) FITS 1 5/8" O.D. POST, 1 5/8" TOP RAIL" FITs 2" O.D. POST, 1 5/8" TOP RAIL" FITs 2 1/2" O.D. POST, 1 5/8" TOP RAIL" FITs 3" O.D. POST, 1 5/8" TOP RAIL"

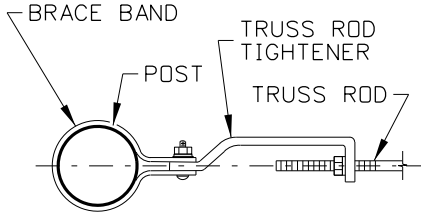
CHAIN LINK FENCE GROUNDING TABLE		
FENCE DIST. FROM TRANSMISSION LINE	kV	GROUNDING INTERVAL
0' - 100'	500	200'
100' - 200'	500	500'
0' - 100'	345	400'
100' - 150'	345	1,000'
50' - 100'	230	500'



CHAIN LINK FENCE TIE DETAIL



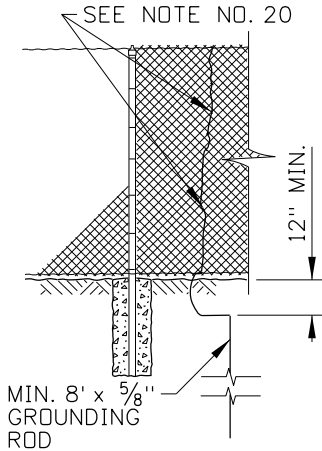
WIRE SELVAGE DETAIL
(SEE NOTE NO. 16)



TRUSS ROD TIGHTENER DETAIL

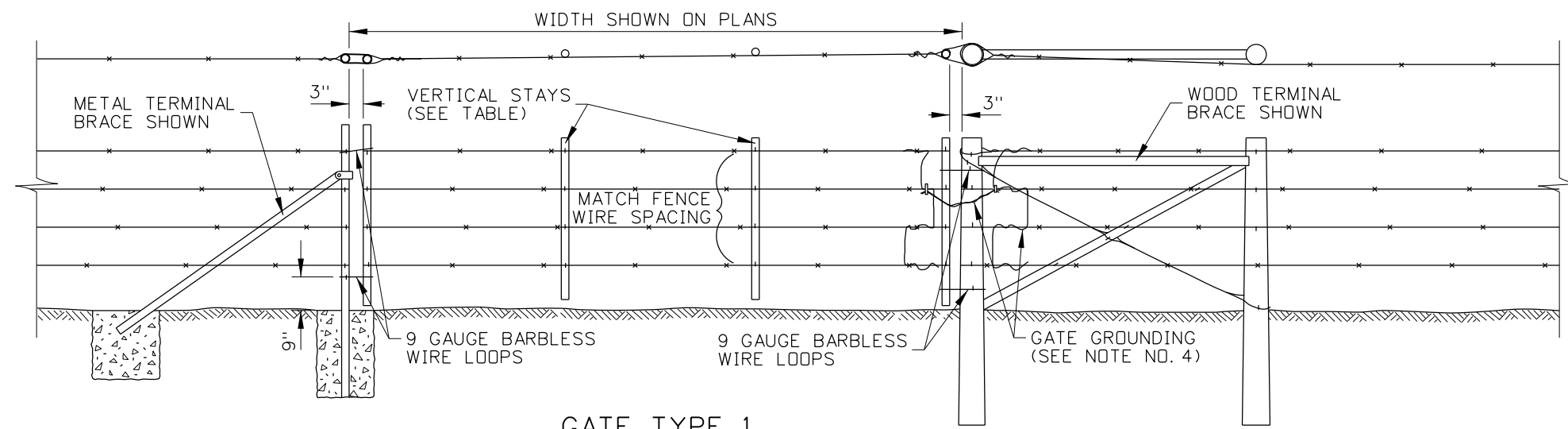
CHAIN LINK FENCE NOTES

- THE MINIMUM FENCE HEIGHT IS 8' WHEN BARBED WIRE AND THE 3-WIRE BARBARM ARE USED. DO NOT USE RAZOR WIRE WITH THE 3-WIRE BARBARM.
- SPACE POSTS EQUAL DISTANCES APART, 10' MAXIMUM SPACING.
- ADJUST THE POST TOP ELEVATIONS TO PROVIDE A SMOOTH VISUAL FENCE PROFILE. INSTALL CORNER POSTS AT HORIZONTAL BREAKS IN THE FENCE OF 15° OR MORE.
- STRETCH THE FENCE FABRIC SMOOTH SO THAT IT HAS A UNIFORM APPEARANCE.
- SELVAGE THE PLAIN WIRE ENDS ON THE TOP AND BOTTOM OF THE CHAIN LINK FABRIC BY THE TWISTED OR KNUCKLED METHOD. SEE WIRE SELVAGE DETAIL.
- CHAIN LINK FENCE HARDWARE MAY VARY SOMEWHAT FROM THAT SHOWN IN THE CHAIN LINK FENCE HARDWARE TABLE. ENSURE THAT HARDWARE AND MATERIALS USED ARE UNIFORM AND COMPATIBLE.
- INSTALL A TOP RAIL WHEN BARBED WIRE AND THE 3-WIRE BARBARM ARE USED.
- INSTALL PRIVACY FENCE SLATS IF SHOWN ON PROJECT PLANS.
- GROUND CHAIN LINK FENCES THAT ARE NEAR POWER TRANSMISSION LINES OR THAT INTERSECT TRANSMISSION LINES. SEE THE CHAIN LINK FENCE GROUNDING TABLE AND CHAIN LINK FENCE GROUNDING DETAILS. TO GROUND, CONNECT 6 GAUGE BRAIDED GROUND CABLE TO THE CHAIN LINK FABRIC EVERY 36". GROUND THE FENCE ONCE IF THE FENCE SECTION IS SHORTER THAN THE GROUNDING INTERVAL.
- DRAWING NOT TO SCALE.

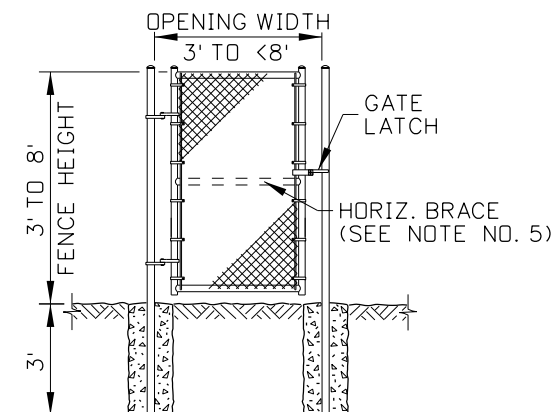


CHAIN LINK FENCE GROUNDING DETAIL

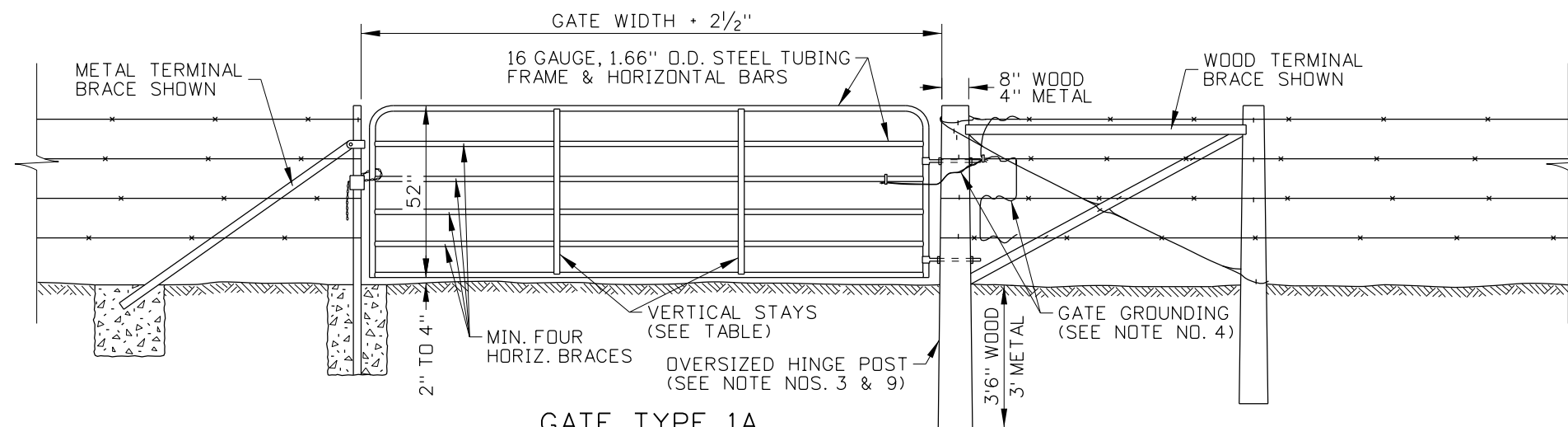
REVISIONS									SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT		STANDARD DRAWING		
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY				FENCES		
									610-1					
									CADD FILE NAME: 610-1_1216.dgn			ORIGINAL SIGNED BY: TED MASON		
									DRAWING DATE: NOVEMBER, 2016	BOISE IDAHO		DESIGN/TRAFFIC SERVICES ENGINEER		SHEET 3 OF 3



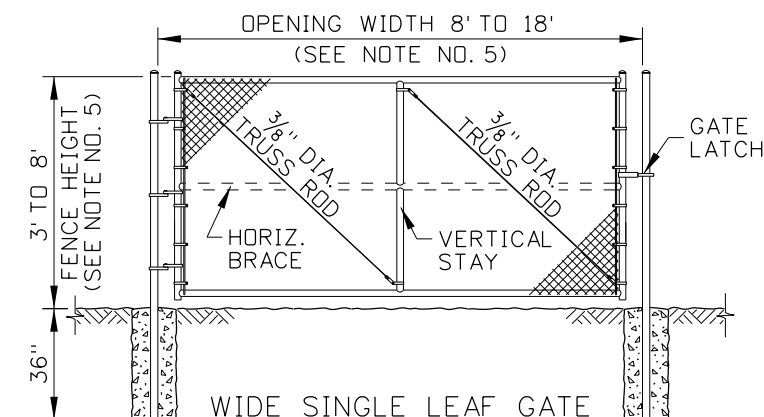
GATE TYPE 1
FOR FENCE TYPES 1, 5, & 9



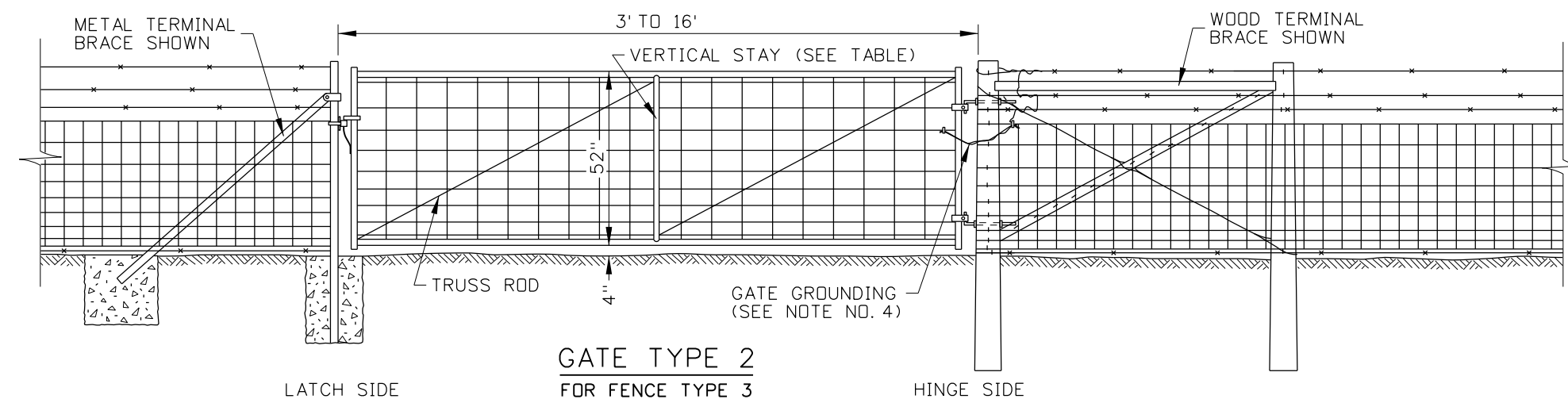
NARROW SINGLE LEAF GATE



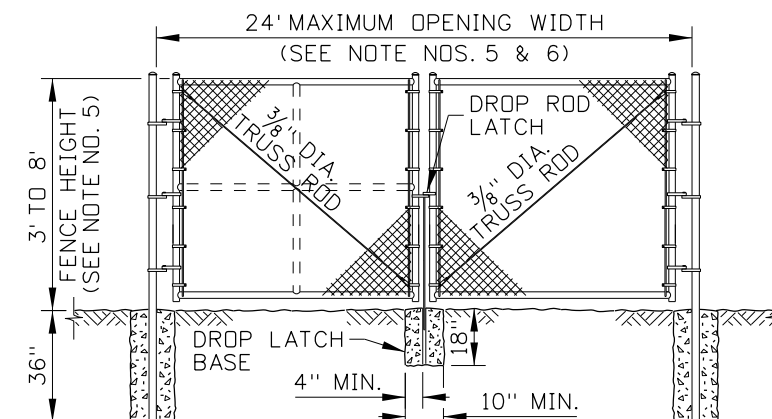
GATE TYPE 1A
FOR FENCE TYPES 1, 5, & 9



WIDE SINGLE LEAF GATE



GATE TYPE 2
FOR FENCE TYPE 3



DOUBLE LEAF GATES

GATE TYPE 3
FOR FENCE TYPE 4

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
610-2_1216.dgn

DRAWING DATE:
NOVEMBER, 2016

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

GATES

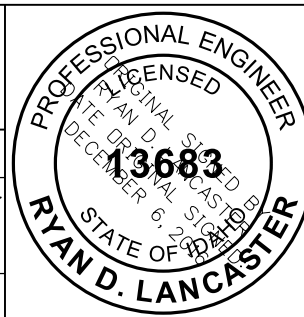
REQUIRES STD. DWGS. 610-1 & 610-3

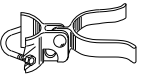
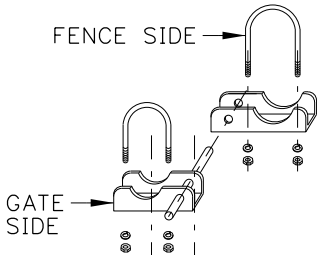
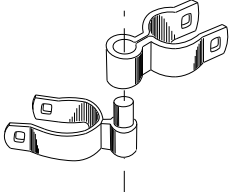
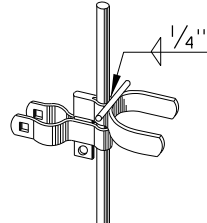
English

STANDARD DRAWING NO.
610-2

SHEET 1 OF 2

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



CHAIN LINK FENCE GATE HARDWARE TABLE		
GATE FORK LATCH		MIN. 1/8" GALVANIZED PRESSED STEEL OR MALLEABLE FERROUS ALLOY. ONE LATCH PER EACH SINGLE GATE WITH BENT MIN. 3/8" DIA. ATTACHMENT BOLT, WASHER & NUT.
HEAVY GATE HINGE		MIN. 1/8" GALVANIZED PRESSED STEEL WITH TWO 3/8" U-BOLTS, LOCK WASHER & NUTS PER HINGE. USE 2 HINGES PER GATE LEAF UP TO 8' IN WIDTH AND 3 HINGES PER GATE LEAF WIDTHS GREATER THAN 8' (THESE HINGES ARE RECOMMENDED FOR MAINTENANCE & COMMERCIAL INSTALLATIONS).
RESIDENTAL GATE HINGE		MIN. 1/8" GALVANIZED PRESSED STEEL WITH 3/8" DIA. x 3" CARRIAGE BOLTS, LOCK WASHER & NUTS PER HINGE. USE 2 HINGES PER GATE LEAF UP TO 6' IN HEIGHT AND 3 HINGES PER GATE LEAF HEIGHTS GREATER THAN 6'.
INDUSTRIAL DROP ROD FORK & GUIDE		MIN. 1/8" GALVANIZED PRESSED STEEL. DROP ROD GUIDE INCLUDES 3/8" x 3" CARRIAGE BOLT WITH LOCK WASHER & NUT. DROP ROD FORK IS TO BE WELDED TO ROD & PAINTED WITH AN APPROVED ZINC RICH PAINT.

GATE GROUNDING TABLE			
FENCE DIST. FROM TRANSMISSION LINE	kV	GATE TYPE	GROUNDING TYPE
0' - 100'	500	1A, 2, 3	ROD
100' - 200'	500	1A, 2, 3	FENCE
0' - 100'	345	1A, 2, 3	ROD
100' - 150'	345	1A, 2, 3	FENCE
50' - 100'	230	1A, 2, 3	FENCE

GATE VERTICAL STAY TABLE		
GATE TYPE	GATE WIDTH	NO. OF VERT. STAYS
TYPE 1	4' TO 6'	0
	8' TO 12'	1
	14' TO 16'	2
TYPE 1A	4' TO 6'	0
	8' TO 12'	1
	14' TO 16'	2
TYPE 2	3' TO 7'	0
	8' TO 16'	1
	3' TO 7'	0
TYPE 3	8' TO 15'	1
	16' TO 18'	2

GATE HORIZONTAL BRACE TABLE		
GATE TYPE	GATE HEIGHT	NO. OF HORIZ. BRACES
TYPE 1A	4.33'	4
TYPE 3	4' TO 5'	0
	6' TO 8'	1

NOTES

1. CONSTRUCT GATES FROM THE MATERIALS SHOWN ON FENCES STANDARD DRAWING UNLESS OTHERWISE SHOWN.
2. ALTERNATE GATE DESIGNS MAY BE USED WITH ENGINEER APPROVAL.
3. CONSTRUCT MATCHING METAL OR WOOD TERMINAL BRACES ON BOTH SIDES OF THE GATE OPENING. MODIFY THE TERMINAL BRACE ON THE HINGE SIDE OF TYPE 1A GATES.
4. GROUND GATES THAT ARE NEAR POWER TRANSMISSION LINES OR THAT PASS UNDER TRANSMISSION LINES. GROUND BY CONNECTING THE HINGE SIDE OF THE GATE TO THE FENCE OR TO THE FENCE AND A GROUNDING ROD. SEE THE GATE GROUNDING TABLE AND GATE GROUNDING DETAILS. ENSURE THAT THE GATE IS GROUNDED WITH A FLEXIBLE COPPER CABLE. TYPE 1 GATES DO NOT NEED TO BE GROUNDED.
5. CONSTRUCT VERTICAL STAYS AND HORIZONTAL BRACES IN ACCORDANCE WITH THE GATE VERTICAL STAY TABLE AND THE GATE HORIZONTAL BRACE TABLE.
6. WHERE TWO TYPE 1A, TYPE 2, OR TYPE 3 GATES ARE USED IN A SINGLE OPENING, PROVIDE A DROP ROD TO SECURE THE GATES.
7. ON THE GATE LOCATION DETAIL, WHEN D IS 5' OR LESS, INSTALL GATES AT THE RIGHT-OF-WAY LINE. WHEN D IS GREATER THAN 5', INSTALL GATES AT THE END OF THE APPROACH CONSTRUCTION OR AS OTHERWISE DIRECTED BY THE ENGINEER. IF INSTALLED AT THE END OF THE APPROACH, ANGLE AND INSTALL RIGHT-OF-WAY FENCE ALONG THE EDGE OF THE APPROACH CUT OR FILL SLOPE.
8. TYPE 1 GATES:

A. CONSTRUCT GATE ENDS AND VERTICAL STAYS FROM A SECTION OF METAL FENCE POST OR ROUND WOOD POST 2 1/2" TO 3" IN DIAMETER. PLACE LARGER WOODEN STAYS AT THE GATE ENDS.

B. ATTACH WIRE LOOPS MADE WITH A DOUBLE WOVEN 9 GAUGE BARBLESS WIRE OR A SUITABLE CHAIN. ADJUST THE LOOPS SO THAT THE GATE IS TAUT WHEN CLOSED. FASTEN THE LOOPS TO THE ADJACENT LATCH/HINGE POST.

C. STAPLE THE STAYS AND END POSTS TO THE CONNECTING WIRES.
9. TYPE 1A GATES:

A. USE A MODIFIED METAL OR WOOD POST ON THE HINGE SIDE. USE A 4" DIAMETER, 7'-6" METAL TUBE OR A 8" DIAMETER, 8' WOOD POST. IF THE METAL POST IS USED, SET THE POST IN AN 18" SQUARE OR ROUND FOUNDATION.

B. ENSURE THAT HINGES ON GATES WIDER THAN 10' HAVE LEVELING THREADS ON A 3/4" DIAMETER OR LARGER ROD.

C. ENSURE THAT LATCHES ARE LOCKABLE.

D. CLEAR THE GROUND NEAR THE GATE SO THAT THE GATE CAN SWING 90° IN EACH DIRECTION.
10. TYPE 2 GATES:

A. FABRICATE GATE FRAMES WITH 1.05" O.D. GALVANIZED STEEL TUBING WITH 0.095" WALL THICKNESS OR 1" DIAMETER GALVANIZED PIPE.

B. USE 12.5 GAUGE OR HEAVIER GALVANIZED WIRE MESH.

C. EQUIP GATE WITH AN ADJUSTABLE DIAGONAL TRUSS ROD. THE TRUSS ROD TIGHTENER AND NON-TIGHTENING END OF THE TRUSS ROD MAY BE WELDED TO THE GATE.

D. USE GALVANIZED MALLEABLE STEEL HINGES AND LATCHES.

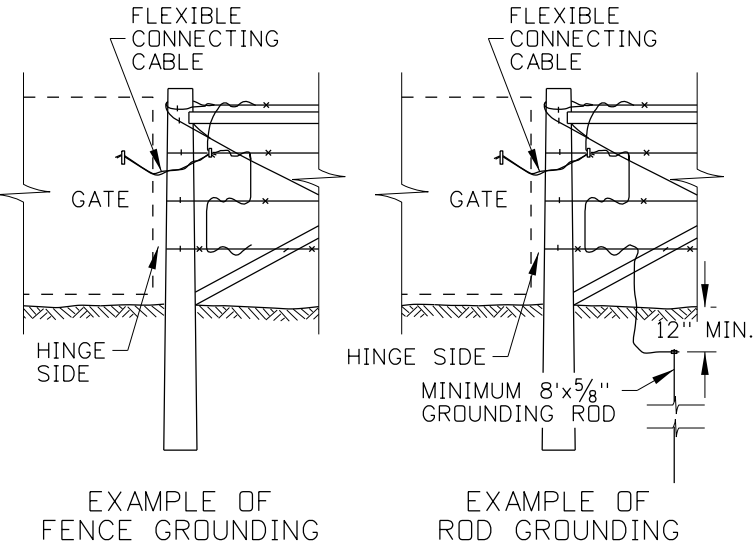
E. PAINT WELDS WITH ITD PAINT FORMULA NO. 2.

F. CLEAR THE GROUND NEAR THE GATE SO THAT THE GATE CAN SWING 90° IN EACH DIRECTION.
11. TYPE 3 GATES:

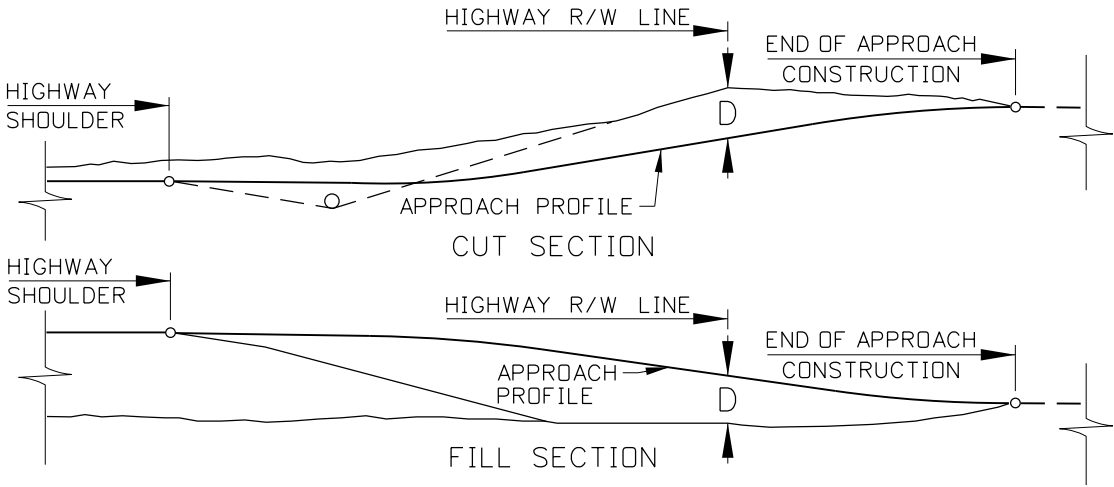
A. CHAIN LINK FENCE HARDWARE MAY VARY SOMEWHAT FROM THAT SHOWN. ENSURE THAT THE HARDWARE AND MATERIALS USED ARE UNIFORM AND COMPATIBLE.

B. PAINT WELDS WITH ITD PAINT FORMULA NO. 2.

C. CLEAR THE GROUND NEAR THE GATE SO THAT THE GATE CAN SWING 90° IN EACH DIRECTION.
12. DRAWING NOT TO SCALE.



GATE GROUNDING DETAILS



GATE LOCATION DETAIL
(SEE NOTE NO. 7)

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 610-2_1216.dgn
DRAWING DATE: NOVEMBER, 2016

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON

DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

GATES

REQUIRES STD. DWGS. 610-1 & 610-3

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

English

STANDARD DRAWING NO. 610-2

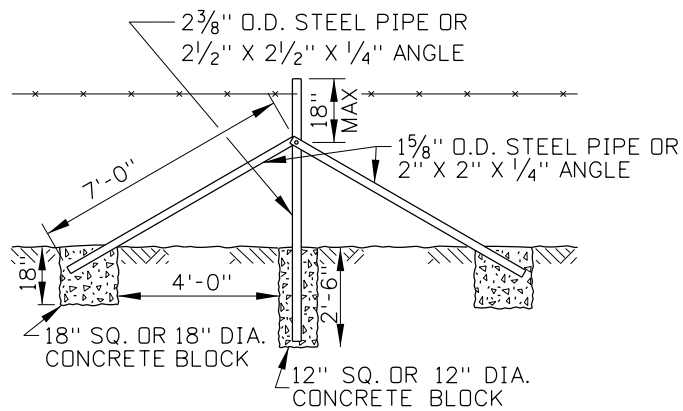
SHEET 2 OF 2

PROFESSIONAL ENGINEER

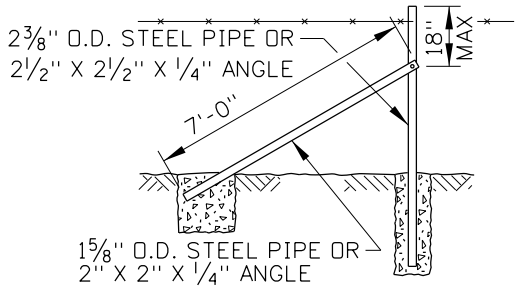
STATE OF IDAHO

13683

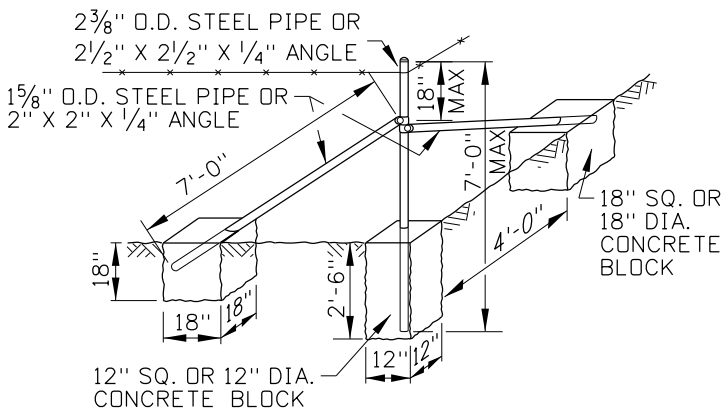
RYAN D. LANCASTER



LINE BRACE



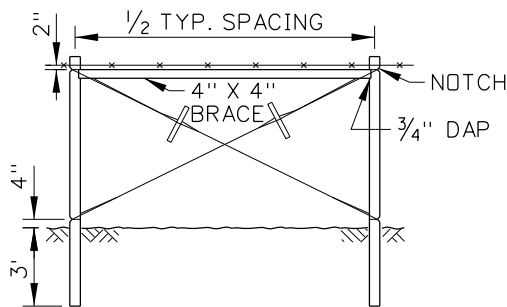
TERMINAL BRACE



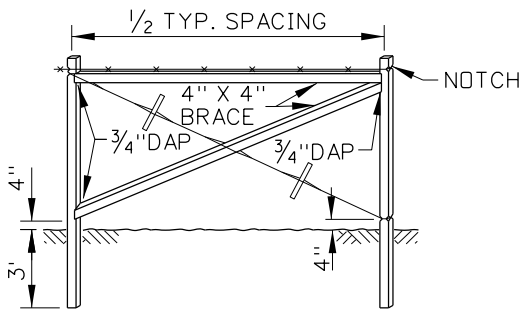
CORNER BRACE

BRACE SPACING TABLE			
FENCE TYPE	DISTANCE BETWEEN BRACES	METAL BRACES	WOOD BRACES
1, 5, & 9	<66'	NONE	NONE
	66' TO 660'	SINGLE	SINGLE
	660' TO 990'	DO NOT EXCEED 660'	DOUBLE
3	<33'	NONE	NONE
	33' TO 330'	SINGLE	SINGLE
	330' TO 660'	DO NOT EXCEED 330'	DOUBLE
4	INTEGRATED INTO CHAIN LINK FENCE		

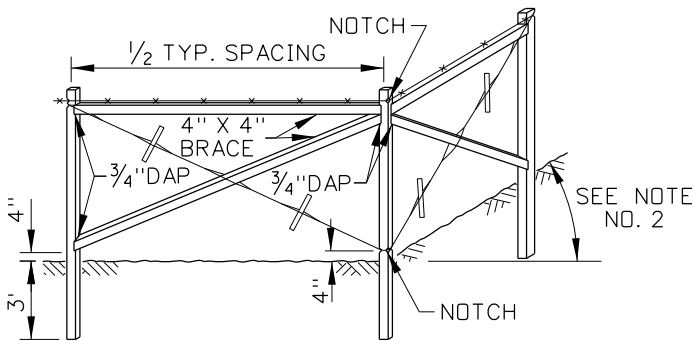
METAL BRACES



LINE BRACE

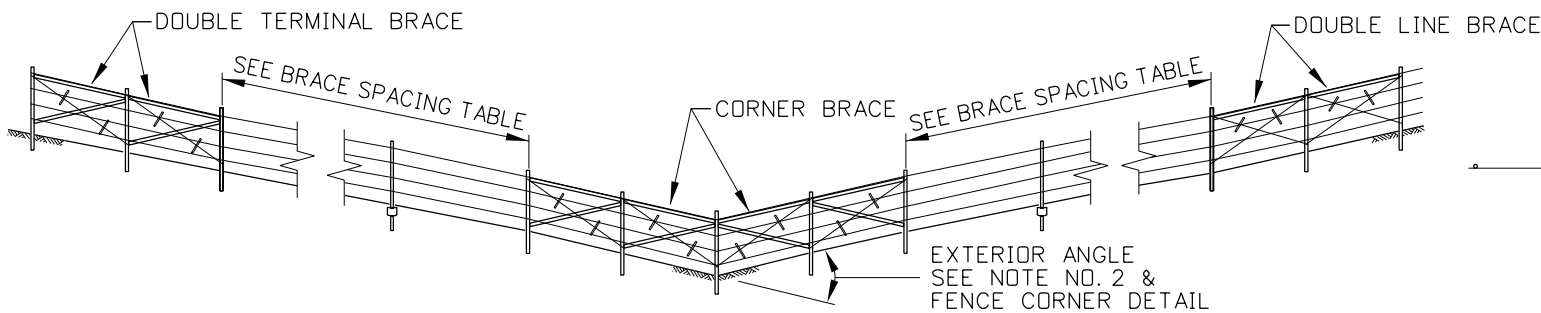


TERMINAL BRACE

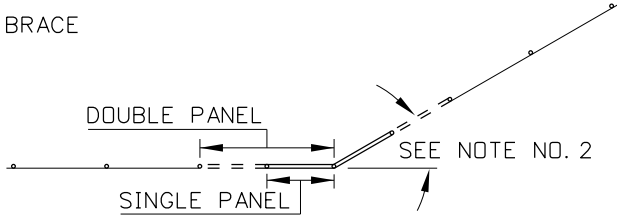


CORNER BRACE

WOOD BRACES



WOOD DOUBLE BRACE PANELS



FENCE CORNER DETAIL

NOTES

- USE METAL BRACES WHEN METAL FENCE POSTS ARE USED. USE WOOD BRACES WHEN WOOD FENCE POSTS ARE USED.
- USE DOUBLE WOOD CORNER BRACES WHEN THE EXTERIOR FENCE CORNER ANGLE EXCEEDS 30°. INSTALL DOUBLE LINE AND TERMINAL BRACES IN ACCORDANCE WITH THE FENCE BRACE TABLE.
- SEE THE BRACE SPACING TABLE FOR THE MAXIMUM DISTANCES BETWEEN BRACES.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: NOVEMBER, 2016

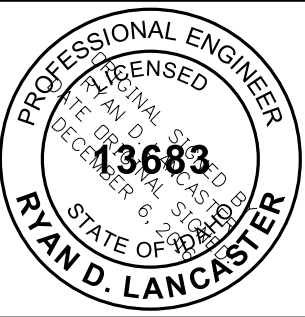
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

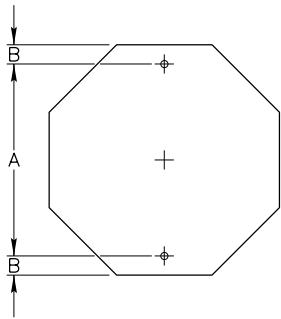
ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
FENCE BRACES
REQUIRES STD. DWG. 610-1

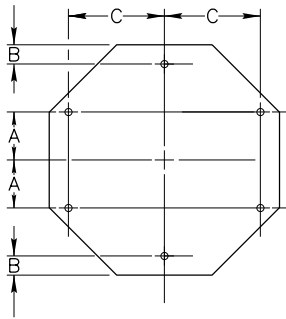
English
STANDARD DRAWING NO. 610-3
SHEET 1 OF 1

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

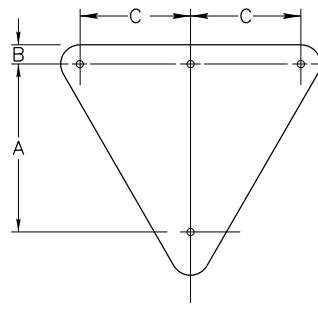




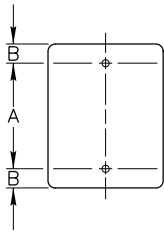
SIGN SIZE	A	B
30"X30"	24"	3"



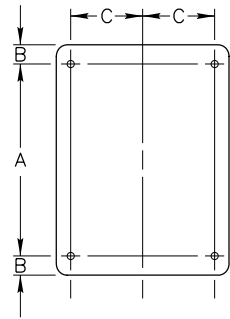
SIGN SIZE	A	B	C
36"X36"	8"	3"	12"
48"X48"	10"	—	20"



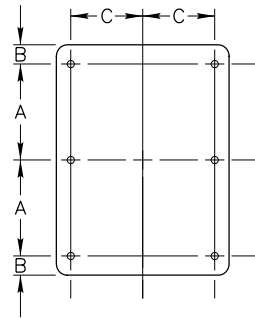
SIGN SIZE	A	B	C
30"X30"	18"	3"	—
36"X36"	23"	3"	—
48"X48"	25"	3"	17"
60"X60"	35"	4"	23"



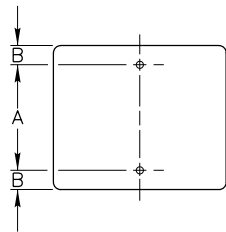
SIGN SIZE	A	B
6"X12"	9"	1 1/2"
6"X18"	15"	1 1/2"
9"X12"	9"	1 1/2"
12"X18"	15"	1 1/2"
12"X30"	24"	3"
12"X36"	32"	2"
18"X24"	18"	3"
24"X30"	24"	3"
24"X36"	30"	3"
30"X36"	30"	3"



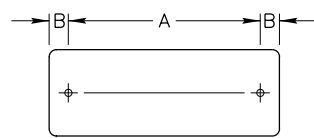
SIGN SIZE	A	B	C
36"X36"	30"	3"	15"
36"X48"	42"	3"	15"
48"X30"	24"	3"	15"
48"X36"	30"	3"	15"
60"X36"	30"	3"	21"



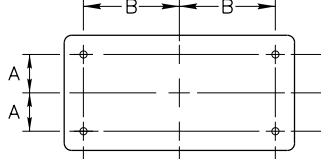
SIGN SIZE	A	B	C
48"X60"	27"	3"	15"



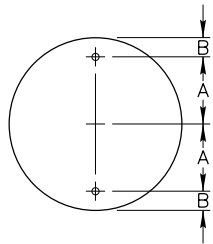
SIGN SIZE	A	B
12"X6"	3"	1 1/2"
18"X9"	6"	1 1/2"
18"X12"	9"	1 1/2"
18"X18"	15"	1 1/2"
21"X15"	12"	1 1/2"
24"X6"	3"	1 1/2"
24"X10"	7"	1 1/2"
24"X12"	9"	1 1/2"
24"X18"	15"	1 1/2"
24"X24"	18"	3"
30"X18"	12"	3"
30"X24"	18"	3"
30"X30"	24"	3"
36"X24"	18"	3"
36"X30"	24"	3"
42"X24"	18"	3"
42"X30"	24"	3"
42"X36"	30"	3"



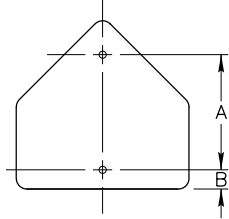
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36"X12"	30"	3"
36"X18"	24"	6"
48"X12"	42"	3"
48"X18"	42"	3"
54"X18"	48"	3"



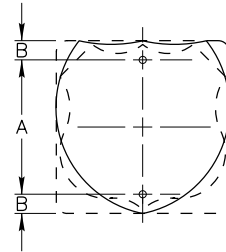
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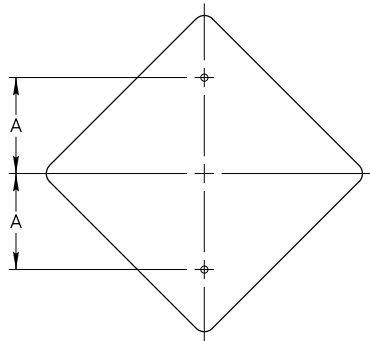
SIGN SIZE	A	B
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48"	21"	3"



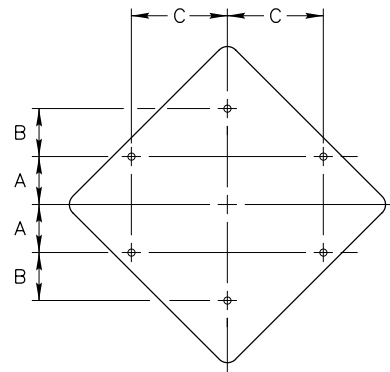
SIGN SIZE	A	B
30"X30"	21"	3"
36"X36"	24"	3"



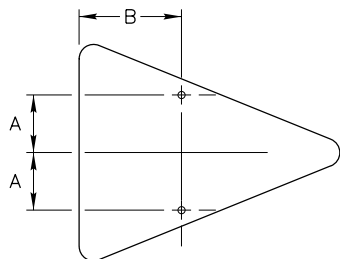
SIGN SIZE	A	B
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30"X24"	18"	3"



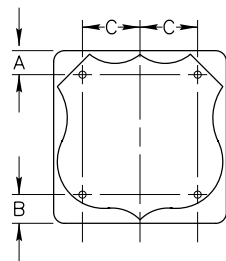
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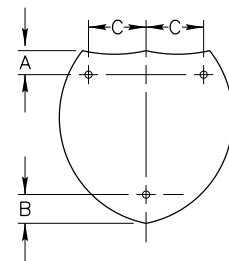
SIGN SIZE	A	B	C
36"X36"	8"	10"	12"
48"X48"	10"	—	20"



SIGN SIZE	A	B
36"X48"	9"	16"



SIGN SIZE	A	B	C
36"X36"	5"	6"	12"



SIGN SIZE	A	B	C
36"X36"	5"	6"	12"
45"X36"	5"	6"	16"

NOTES:

1. ALL MOUNTING HOLES SHALL BE 3/8" DIAMETER.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	12-01	NQB					
2	06-07	HEB					
3	07-14	HEB					
4	05-17	HEB					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-1_0517.dgn
DRAWING DATE: DECEMBER, 1994

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO



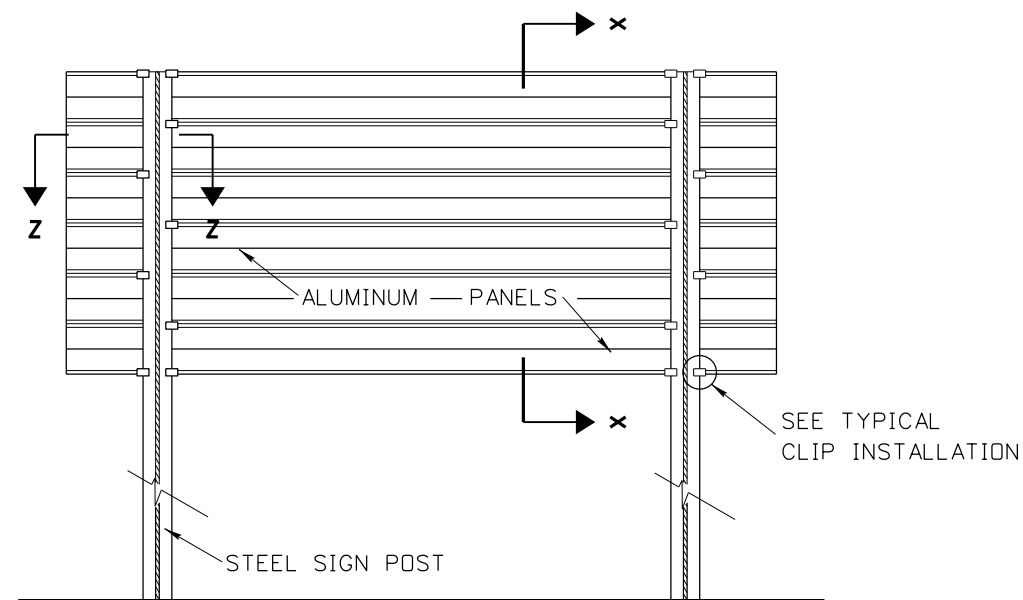
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
PUNCHING SCHEDULE FOR TYPE "B" OR TYPE "E" SIGNS

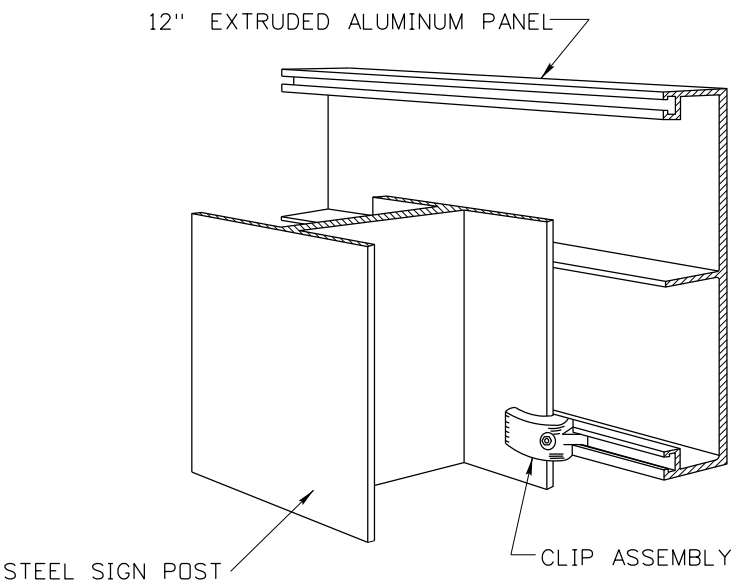
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STANDARD DRAWING NO. 616-1
SHEET 1 OF 1

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

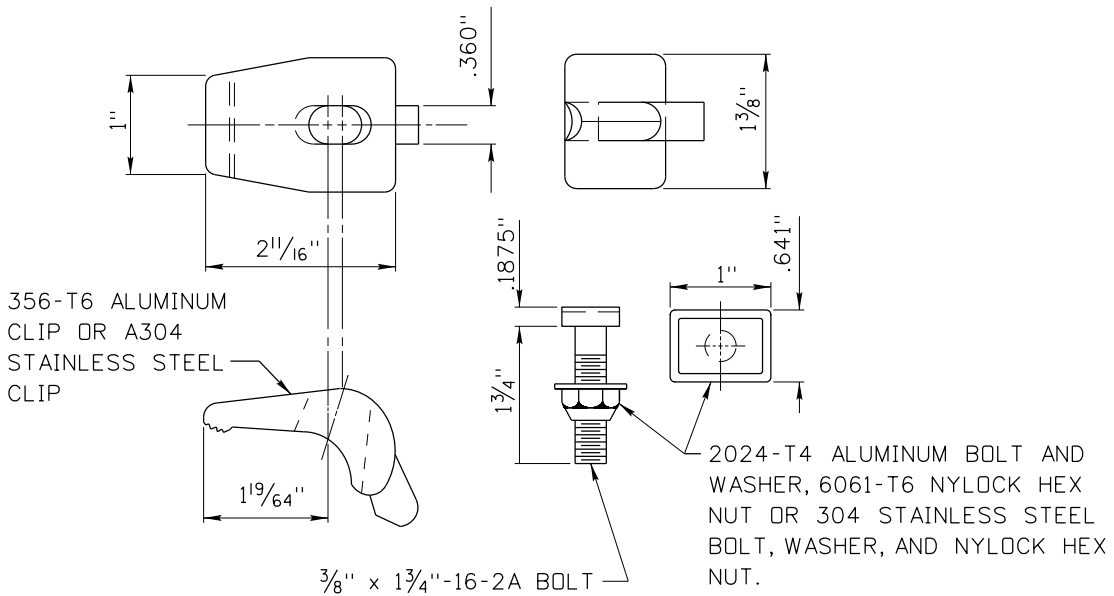




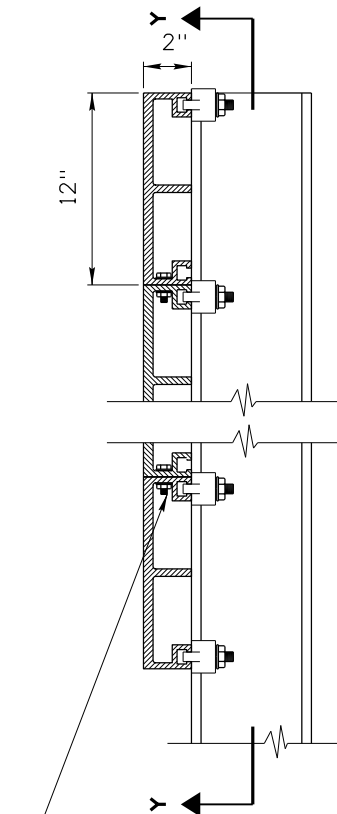
EXTRUDED ALUMINUM SIGN



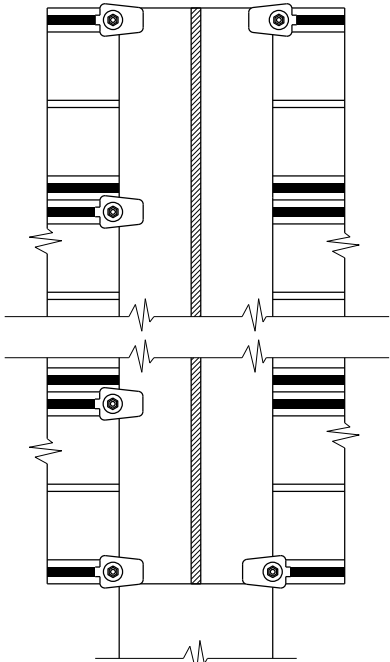
TYPICAL CLIP INSTALLATION



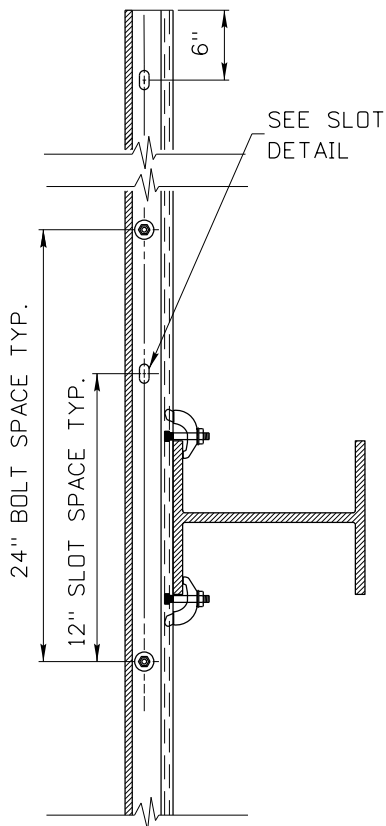
POST CLIPS AND POST CLIP BOLT DETAIL



SECTION X-X



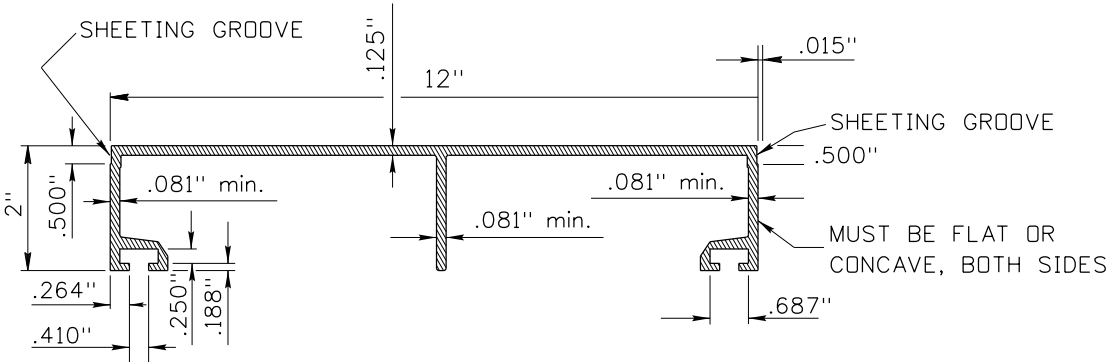
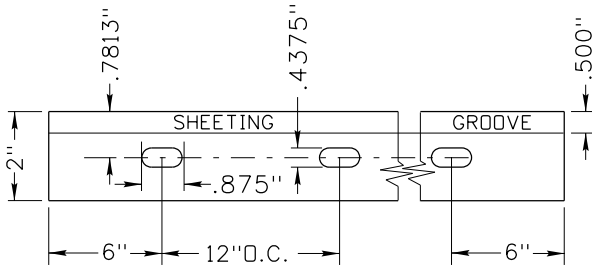
SECTION Y-Y



SECTION Z-Z

Sign Height	No. of 12" Panels	No. of Clip Assem.
2'-0"	2	10
3'-0"	3	12
4'-0"	4	14
5'-0"	5	16
6'-0"	6	18
7'-0"	7	20
8'-0"	8	22
9'-0"	9	24
10'-0"	10	26
11'-0"	11	28
12'-0"	12	30
13'-0"	13	32
14'-0"	14	34
15'-0"	15	36
16'-0"	16	38
17'-0"	17	40

SLOT HOLE DETAIL



12" EXTRUDED PANEL CROSS SECTION

NOTES:

1. ASSEMBLE EXTRUDED ALUMINUM SIGN PANELS STARTING WITH THE TOP PANEL. CENTER THE PANEL ON THE SIGN POSTS. ENSURE PANELS ARE HORIZONTAL AND ATTACHED TO THE POSTS WITH POST CLIPS AND POST CLIP BOLTS. STAGGER THE POST CLIPS AND BOLTS ON BOTH SIDES OF EACH POST AS SHOWN. ENSURE THAT ADJOINING PANELS ARE FLUSH BEFORE TIGHTENING PANEL BOLTS.
2. TORQUE NYLOCK NUTS ON THE POST CLIP BOLTS TO 225 INCH POUNDS WITH DRY CLEAN UNLUBRICATED THREADS.
3. WHEN MODIFYING AN EXISTING SIGN AND ADDITIONAL POST CLIPS ARE TO BE INSTALLED TO THE INSIDE OF THE SIGN POST, THE CONTRACTOR IS PERMITTED TO FIELD DRILL FOR A POST CLIP INSERTION HOLE IN EXISTING EXTRUSIONS.
4. THE CLIP ASSEMBLY IS TO BE ALL ALUMINUM OR ALL STAINLESS STEEL.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-94	HEB	6	07-12	HEB			
2	08-96	HEB	7	12-13	SCH			
3	12-01	HEB	8	11-14	SCH			
4	05-12	HEB	6	06-17	HEB			
5	06-12	SCH						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-2_0617.dgn
DRAWING DATE: DECEMBER, 1993

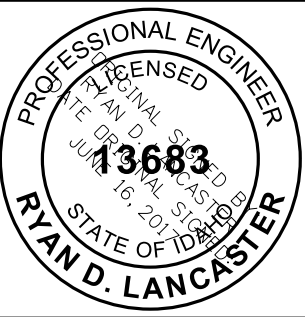
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

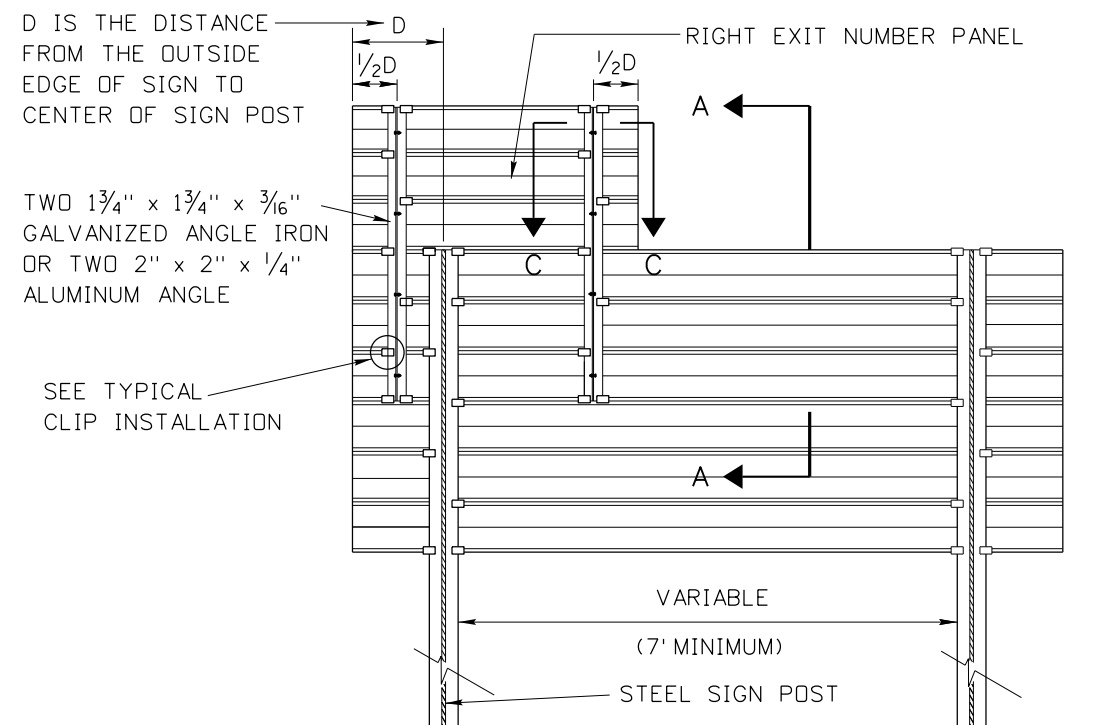
ORIGINAL SIGNED BY: KEVIN SABLAN DESIGN/TRAFFIC SERVICES ENGINEER
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STANDARD DRAWING
EXTRUDED ALUMINUM SIGNS

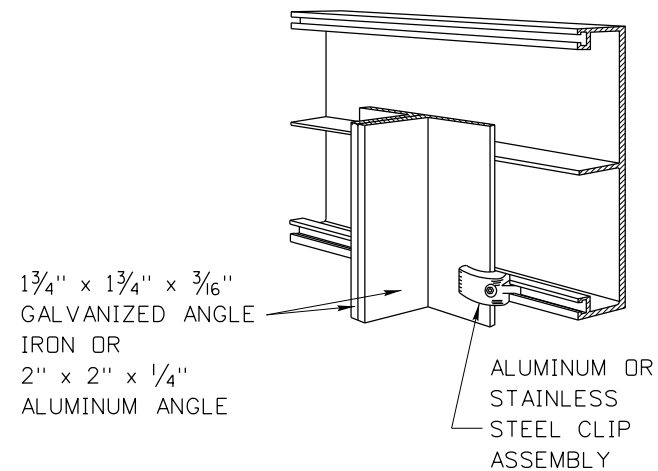
English
STANDARD DRAWING NO. 616-2
SHEET 1 OF 2

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





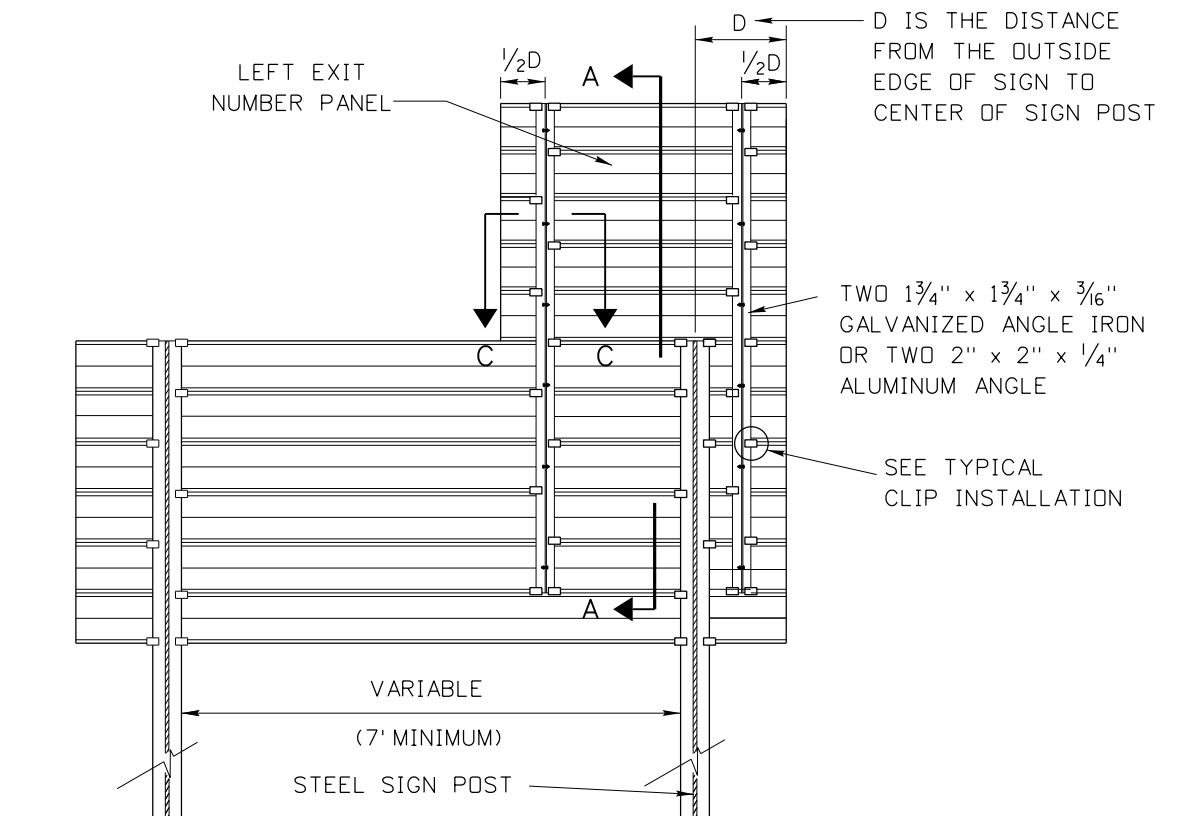
RIGHT EXIT PANEL



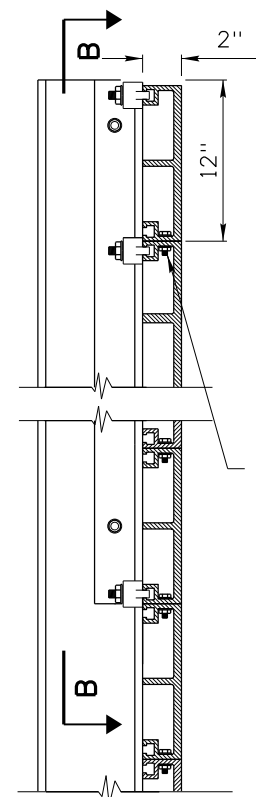
TYPICAL CLIP INSTALLATION

NOTES:

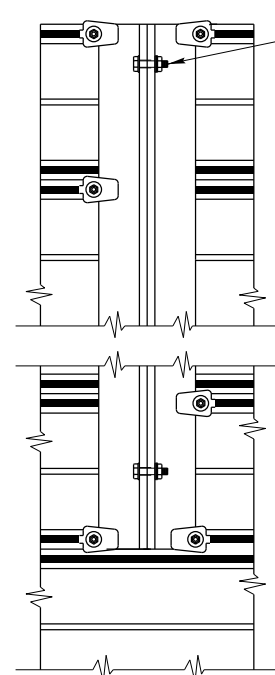
5. $1\frac{3}{4}'' \times 1\frac{3}{4}'' \times \frac{3}{16}''$ ANGLE IRON WEIGHS 2.12 LBS/FT. WEIGHT OF ANGLE IRON DOES NOT INCLUDE GALVANIZING.
6. $2'' \times 2'' \times \frac{1}{4}''$ ALUMINUM ANGLE WEIGHS 1.11 LBS/FT.
7. DRAWING NOT TO SCALE



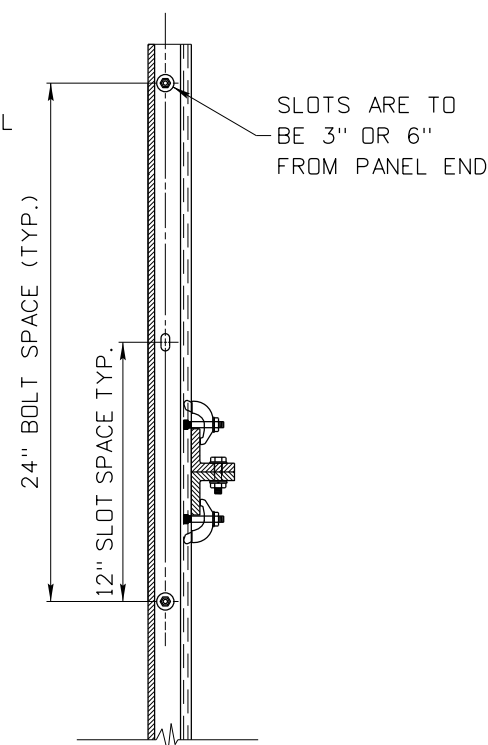
LEFT EXIT PANEL



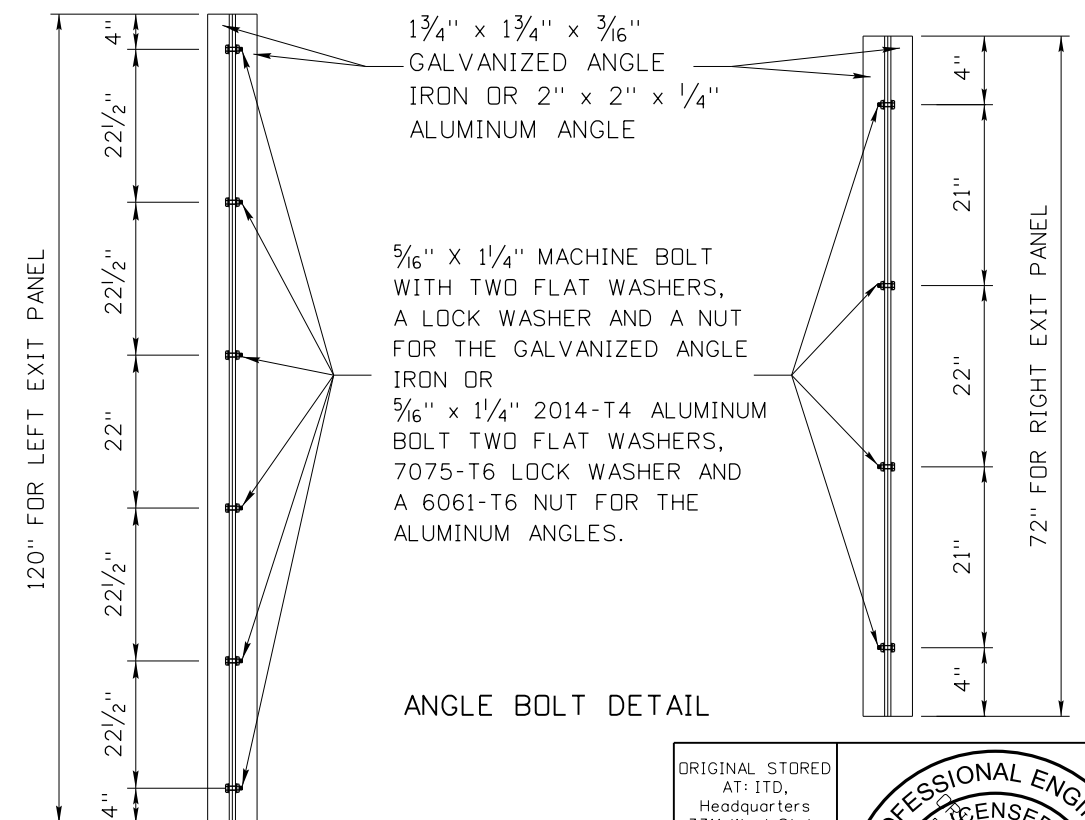
SECTION A-A



SECTION B-B



SECTION C-C



ANGLE BOLT DETAIL

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-01	NQB	6	06-17	HEB			
2	01-04	HEB						
3	12-07	HEB						
4	07-12	HEB						
5	11-14	HEB						

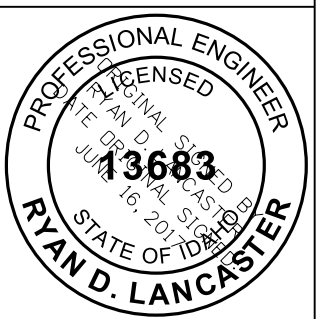
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 616-2_0617.dgn DRAWING DATE: DECEMBER, 1993
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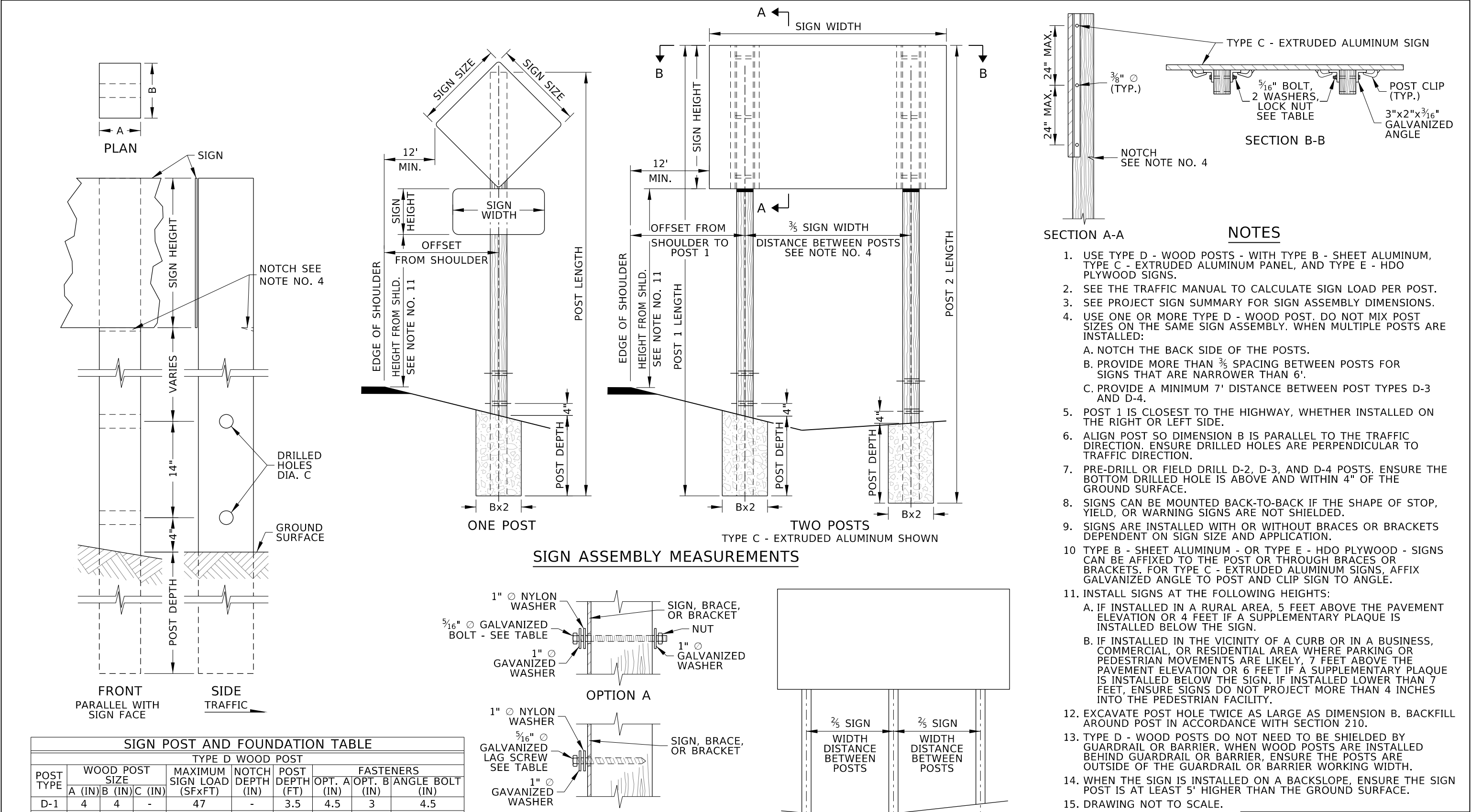
IDAHO TRANSPORTATION DEPARTMENT BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN DESIGN/TRAFFIC SERVICES ENGINEER
--

STANDARD DRAWING EXTRUDED ALUMINUM SIGNS
--

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho
English STANDARD DRAWING NO. 616-2
SHEET 2 OF 2





SIGN POST AND FOUNDATION TABLE								
TYPE D WOOD POST								
POST TYPE	WOOD POST SIZE			MAXIMUM SIGN LOAD (SFxFT)	NOTCH DEPTH (IN)	POST DEPTH (FT)	FASTENERS	
	A (IN)	B (IN)	C (IN)				OPT. A (IN)	OPT. B (IN)
D-1	4	4	-	47	-	3.5	4.5	3
D-2	4	6	1½	111	1¾	4	6.5	4
D-3	6	6	2	162	1¾	5	6.5	4
D-4	6	8	3	302	2½	6	8.5	4

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	08-96	HEB						
2	12-13	HEB						
3	02-23	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 616-10_0423.dgn

DRAWING DATE: NOVEMBER, 1991

IDAHO TRANSPORTATION DEPARTMENT

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER

HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

WOOD SIGN POST

TYPE D - WOOD POST

ENGLISH

STANDARD DRAWING NO.

616-10

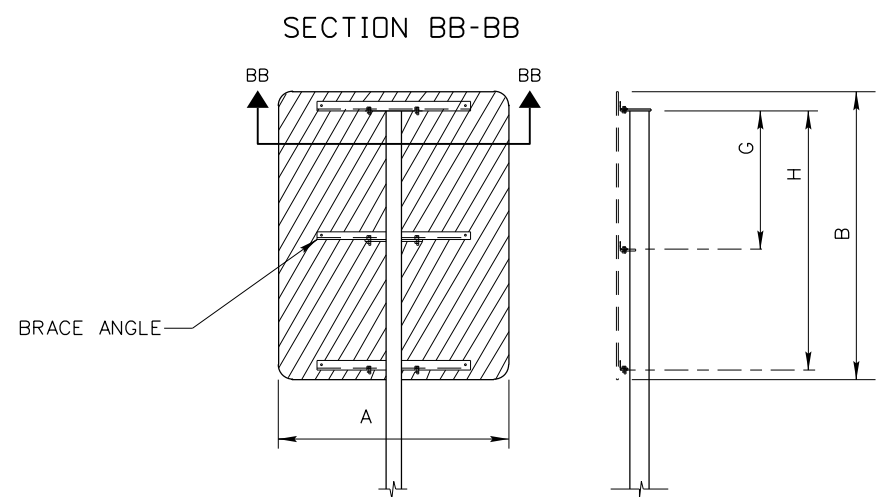
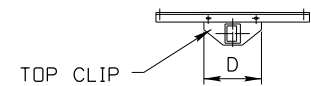
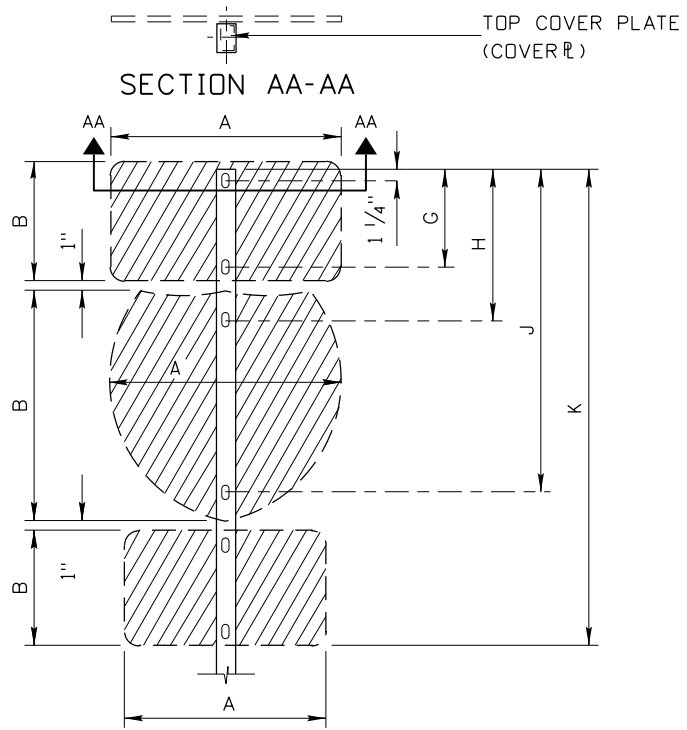
SHEET 1 OF 1

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

PROFESSIONAL ENGINEER

RYAN D. LANCASTER

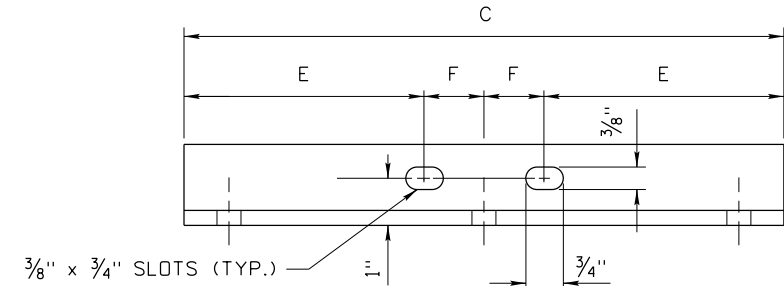
3683



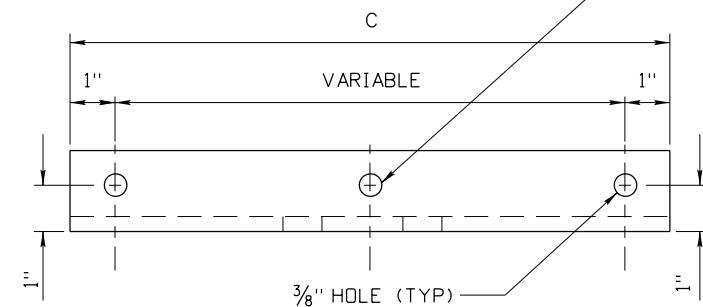
POST AND BRACE ANGLES
4" x 3", 5" x 5", 6" x 6" POSTS

4" x 3" POST DETAILS

POST DETAILS FOR 4"x3" POSTS						
SIGN DESCRIPTION	SIGN SIZE		G	H	J	K
	A	B				
STOP	30"	30"	25 1/4"	N/A	N/A	28 1/4"
	36"	36"	31 1/4"	N/A	N/A	34 1/4"
YIELD	36" TRIANGLE		25 1/4"	N/A	N/A	30 1/4"
SQUARE AND RECTANGULAR SIGNS	12"	30"	25 1/4"	N/A	N/A	28 1/4"
	24" 36"	18"	N/A	N/A	N/A	
	24" 30"	24"	19 1/4"	N/A	N/A	22 1/4"
	24"	30"	25 1/4"	N/A	N/A	28 1/4"
	30"	30"	25 1/4"	N/A	N/A	28 1/4"
	30"	36"	31 1/4"	N/A	N/A	34 1/4"
	36"	24"	19 1/4"	N/A	N/A	22 1/4"
	36"	30"	25 1/4"	N/A	N/A	28 1/4"
WARNING	18" DIAMOND		21 1/4"	N/A	N/A	23 1/2"
	30" DIAMOND		31 1/4"	N/A	N/A	37 1/4"
WARNING & AUXL. SIGNS	30" DIAMOND		31 1/4"	N/A	N/A	56 1/4"
NO PASS. ZONE	48"	36"	19 1/4"	N/A	N/A	21 1/2"
TRAIL BLAZER ASSEMBLY (ASSY.)	24"	12"	10 1/4"	N/A	N/A	51 1/4"
	24"	24"	N/A	15 3/4"	33 3/4"	
	21"	15"	N/A	N/A	N/A	
ADV. ROUTE MARKER ASSY.	24"	24"	19 1/4"	N/A	N/A	38 1/4"
SINGLE JCT. ASSY.	21"	15"	13 1/4"	N/A	N/A	39 3/4"
	24"	24"	N/A	18 3/4"	36 3/4"	
HOSPITAL, CAMPING ASSY.	24"	24"	19 1/4"	N/A	N/A	29 1/4"
	24"	6"	N/A	24 3/4"	27 3/4"	



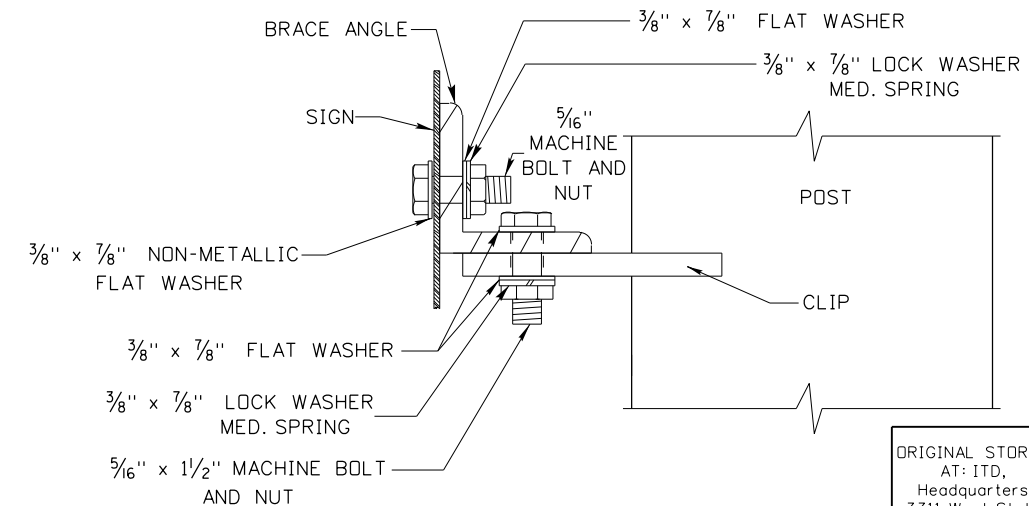
NOTE:
CENTER HOLES IN THE BRACE ANGLES ARE REQUIRED ONLY FOR THOSE SIGNS WHERE "A" IS 72" OR GREATER.



BRACE ANGLE DETAIL

POST AND BRACE ANGLES FOR 4" X 3", 5" X 5", 6" X 6" POSTS									
SIGN DESCRIPTION	SIGN SIZE		C	D	E	F	G	H	WEIGHT IN LBS.
	A	B							
STOP	36"	36"	32"	12"	11"	5"	30"	N/A	14.80
	48"	48"	42"	12"	16"	5"	20"	N/A	19.40
YIELD	60" TRIANGLE		48"	12"	19"	5"	N/A	N/A	13.90
			12"	12"	1"	5"	35"		
SQUARE AND RECTANGULAR SIGNS	36"	48"	32"	12"	11"	5"	42"	N/A	14.80
	48"	60"	32"	12"	11"	5"	27"	54"	22.20
	36"	36"	32"	12"	11"	5"	30"	N/A	14.80
	48"	48"	44"	12"	17"	5"	42"	N/A	22.30
	48"	36"	32"	12"	11"	5"	30"	N/A	14.80
	72"	36"	62"	12"	26"	5"	18"	N/A	28.60
	72"	48"	62"	12"	26"	5"	30"	N/A	28.60
	48"	30"	32"	12"	11"	5"	24"	N/A	14.80
	72"	30"	62"	12"	26"	5"	24"	N/A	28.60
	36"	24"	32"	12"	11"	5"	18"	N/A	14.80
WARNING & AUXL. SIGNS	36"	30"	32"	12"	11"	5"	24"	N/A	14.80
	36"	18"	*	*	*	*	*	N/A	12.00
	48"	18"	*	*	*	*	*	N/A	19.40
WARNING	24"	24"	*	*	*	*	*	N/A	12.00
	36"	DIAMOND	26"	12"	8"	5"	16"	N/A	12.00
	48"	DIAMOND	42"	12"	16"	5"	20"	N/A	19.40
WARNING LARGE ARROW	48"	24"	42"	12"	16"	5"	18"	N/A	19.40
	60"	36"	44"	12"	17"	5"	30"	N/A	20.40
JUNCTION ASSEMBLY	21"	15"	*	*	*	*	POST TOP CLIP NOT REQ'D-COVER PLATE ONLY		12.50
	2-24"	ROUTE MARKERS	27"	12"	8 1/2"	5"	20"	38"	
SINGLE CARDINAL DIRECT'L ASSY.	30"	15"	26"	12"	8"	5"	N/A	N/A	15.20
	36"	36"	26"	12"	8"	5"	13 1/2"	N/A	
JUNCTION ASSEMBLY	21"	15"	*	*	*	*	POST TOP CLIP NOT REQ'D-COVER PLATE ONLY		25.00
	3-24"	ROUTE MARKERS	54"	12"	21"	5"	20"	38"	

- NOTES:
1. WEIGHTS OF BRACE ANGLES DO NOT INCLUDE GALVANIZING.
 2. ALL BRACE ANGLES SHALL BE 1 3/4" x 1 3/4" x 1/4" AT 2.77 LBS./FT.
 - * 3. THE AUXILIARY SIGNS SHALL BE ATTACHED BY DRILLING THE POST WITH TWO HOLES AND FLUSH MOUNT THE SIGN TO THE FACE OF THE POST.
 4. REFER TO STANDARD DRAWING 616-6.
 5. WHEN ONLY ONE BRACE IS REQUIRED, PLACE IN THE CENTER OF THE SIGN.



BRACE ANGLE ATTACHMENT DETAIL

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

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	08-96	HEB	6	12-13	HEB			
2	12-01	NQB						
3	12-07	HEB						
4	07-10	HEB						
5	09-11	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 616-16_1213.dgn

DRAWING DATE: DECEMBER, 2007

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: RYAN LANCASTER for

DESIGN/TRAFFIC SERVICES ENGINEER

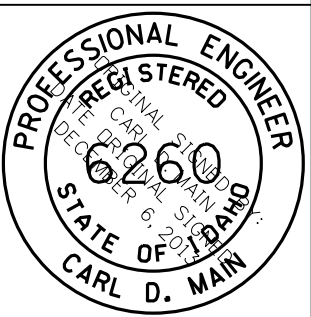
STANDARD DRAWING

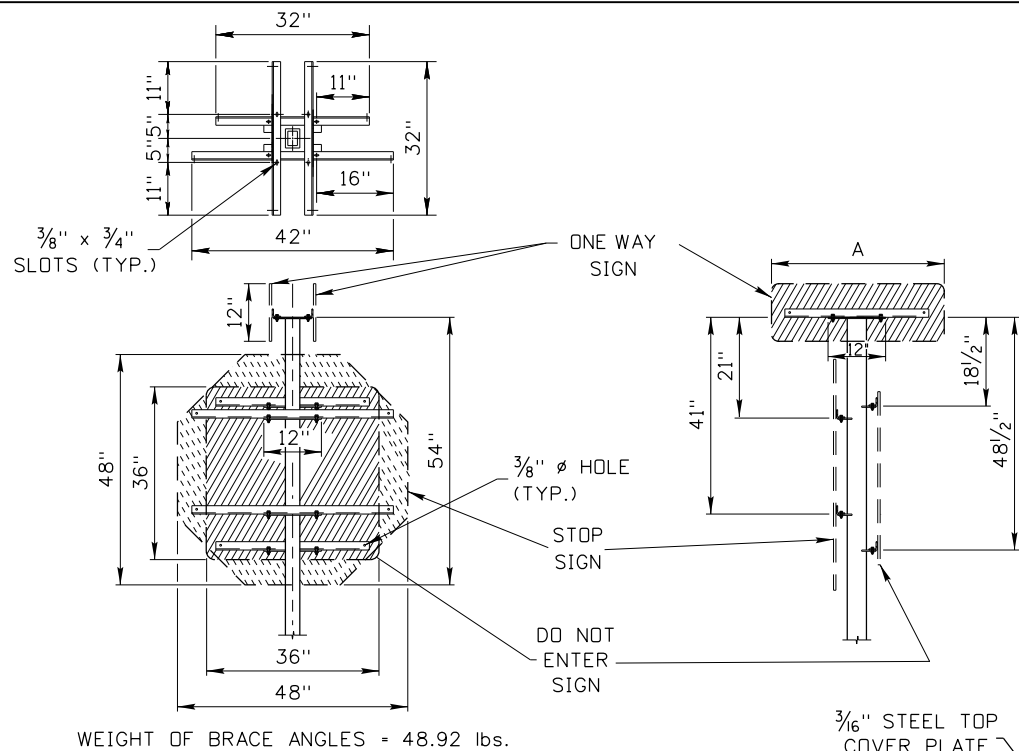
B POST AND BRACE ANGLE DETAIL

English

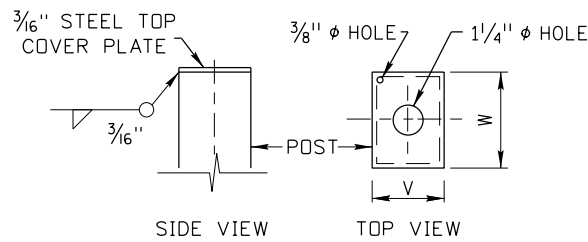
STANDARD DRAWING NO. 616-16

SHEET 1 OF 2





RAMP TERMINAL
ASSEMBLY "A"

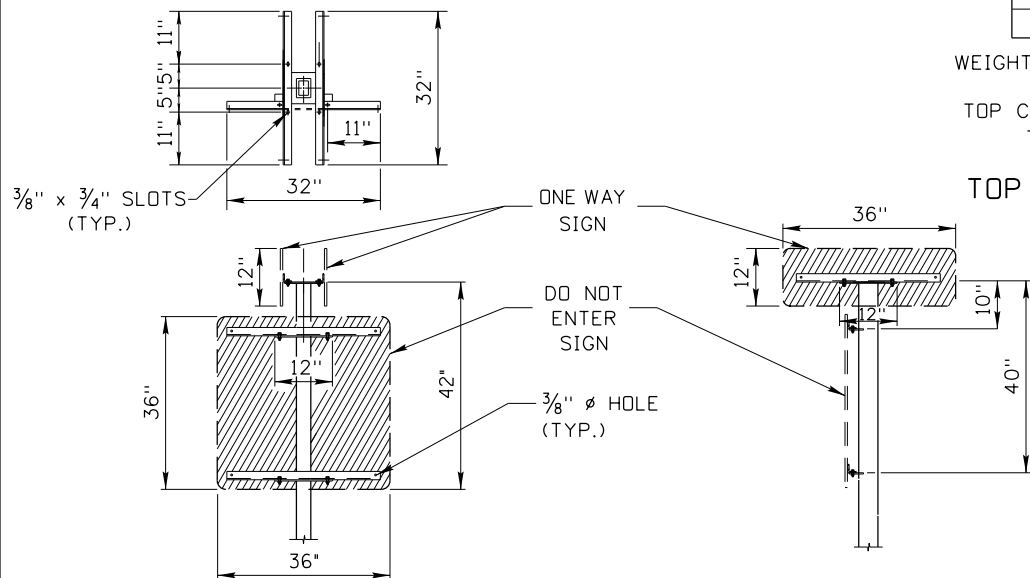


Post Type	Post		Weight, in Lbs. for cover plate
	V	W	
B-2	3"	4"	0.55
B-3	4"	6"	1.25
B-4	4"	8"	1.80

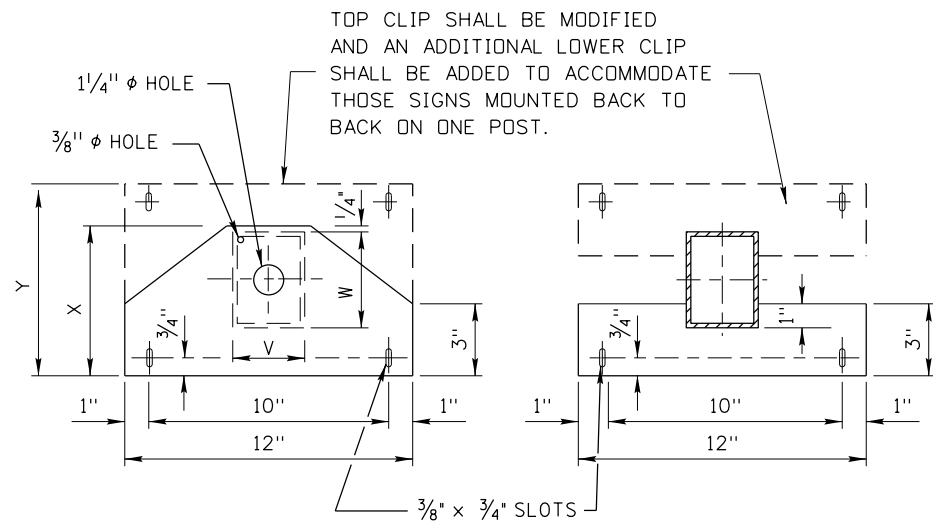
WEIGHTS DO NOT INCLUDE GALVANIZING

TOP COVER PLATE IS REQUIRED WHEN THERE IS NOT A TOP CLIP

TOP COVER PLATE DETAILS

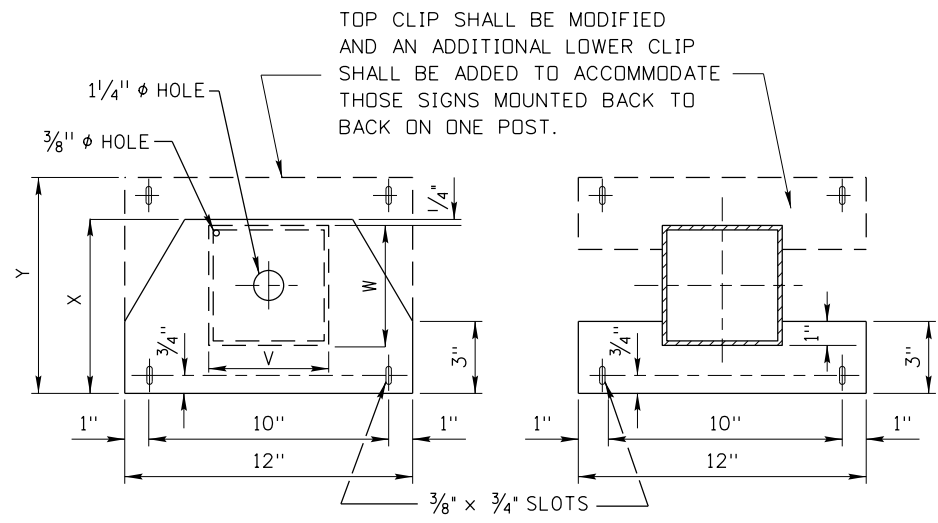


RAMP TERMINAL
ASSEMBLY "B"



B-2 POST TOP
CLIP DETAIL
TOP VIEW

B-2 POST LOWER
CLIP DETAIL
SECTION A-A

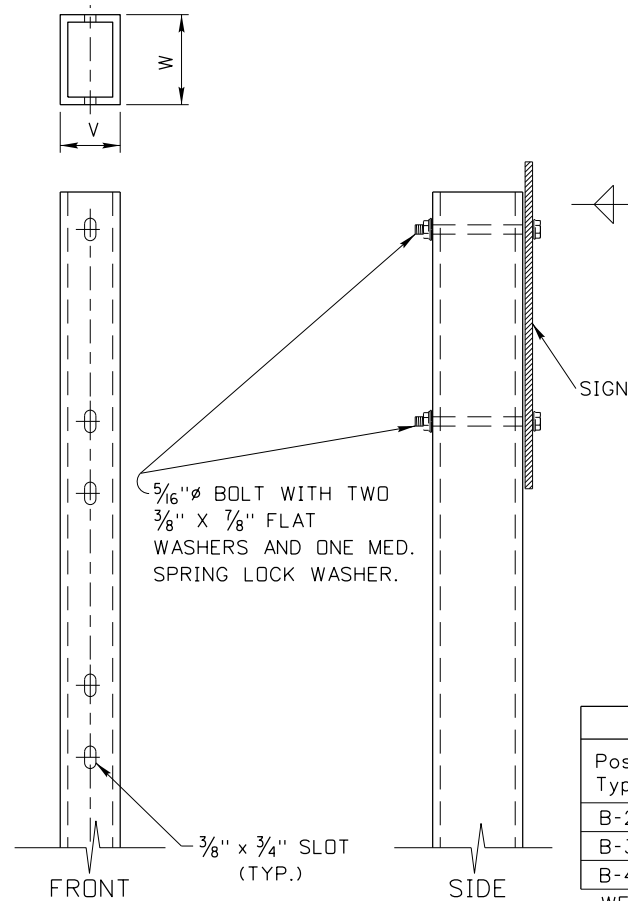


B-3 & B-4 POST TOP
CLIP DETAIL
TOP VIEW

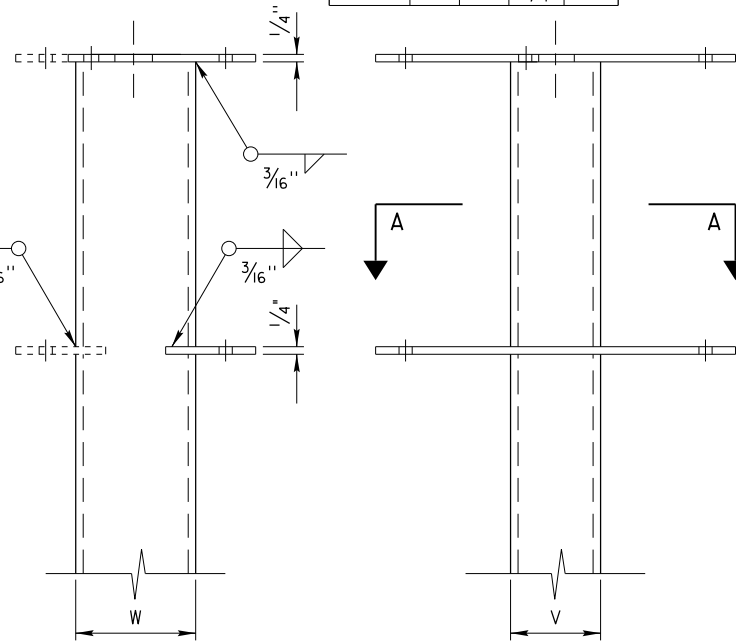
B-3 & B-4 POST
LOWER CLIP DETAIL
SECTION A-A

Post Type	Post		Top Clip	
	V	W	X	Y
B-2	3"	4"	6 1/4"	8"

Post Type	Post		Top Clip	
	V	W	X	Y
B-3	5"	5"	7 1/4"	9"
B-4	6"	6"	8 1/4"	10"



TYPE B-2 POST



TYPE B-2, B-3, B-4 POSTS

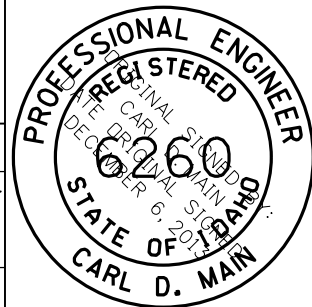
WEIGHT SCHEDULE			
Post Type	Wt. in Lbs. for lower clip - each	Weight, in Lbs. for top clip - each	Weight for modified top clip - each
B-2	2.55	5.32	6.82
B-3	2.55	6.18	7.67
B-4	2.55	7.03	8.52

WEIGHTS DO NOT INCLUDE GALVANIZING

NOTES:

1. REFER TO STANDARD DRAWING 616-6.
2. POST WEIGHTS SHALL INCLUDE THE WEIGHT OF THE CLIPS OR COVER PLATES IF USED.

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



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	08-96	HEB	6	09-11	HEB			
2	02-98	HEB	7	12-13	HEB			
3	12-01	NQB						
4	12-07	HEB						
5	07-10	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME:

616-16_1213.dgn
DRAWING DATE: DECEMBER, 2007

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: RYAN LANCASTER for
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

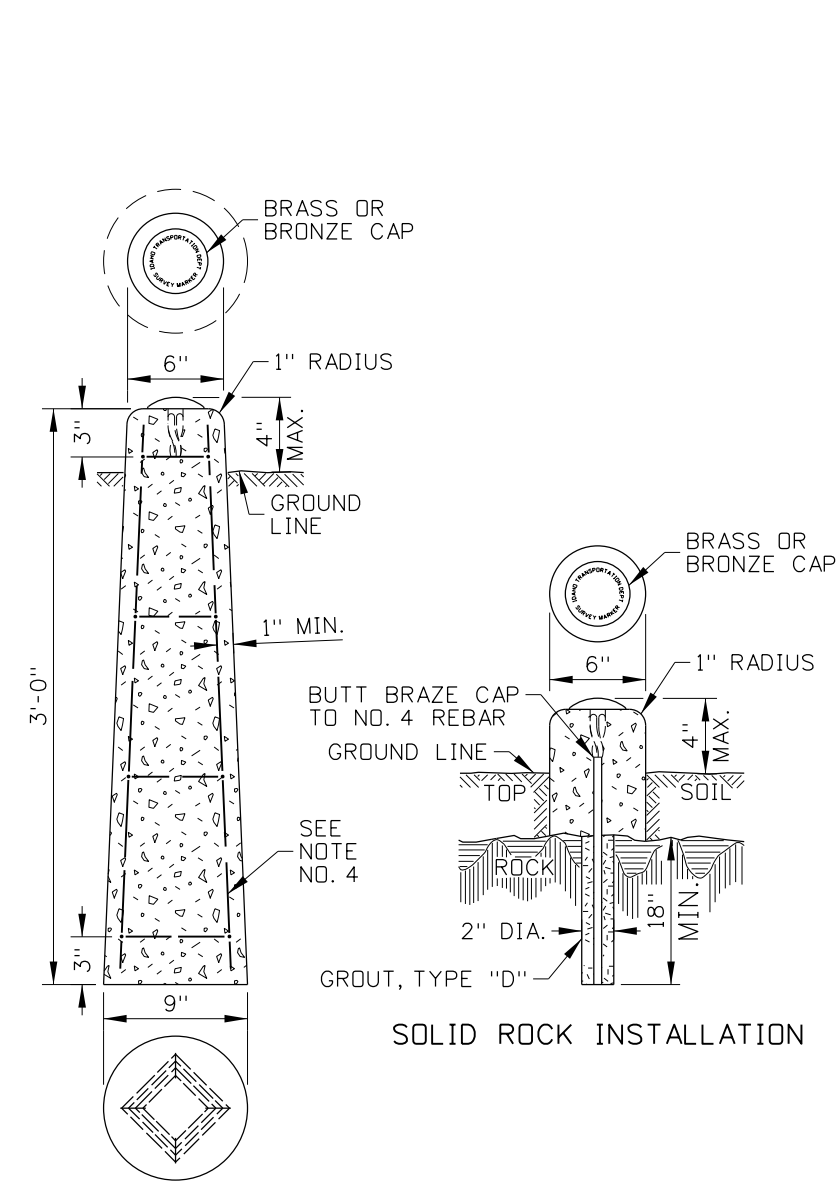
B POST AND
BRACE ANGLE DETAIL

English

STANDARD DRAWING NO.

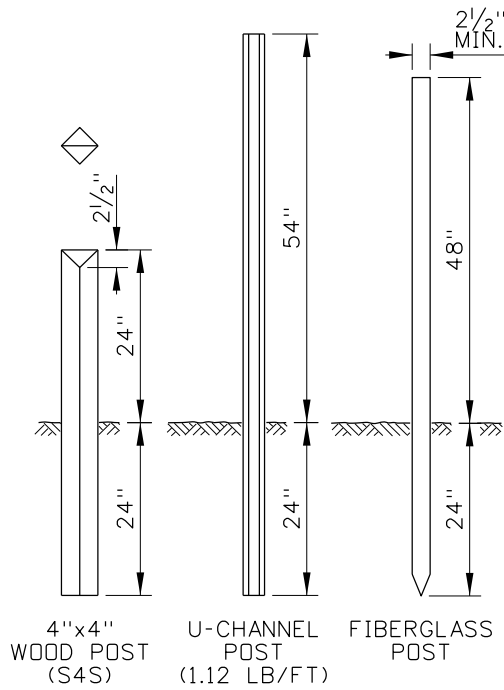
616-16

SHEET 2 OF 2

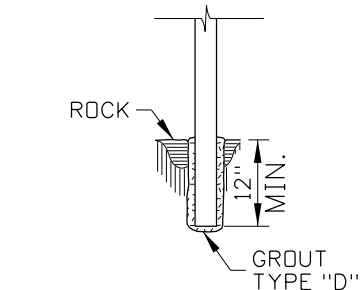


EARTH INSTALLATION

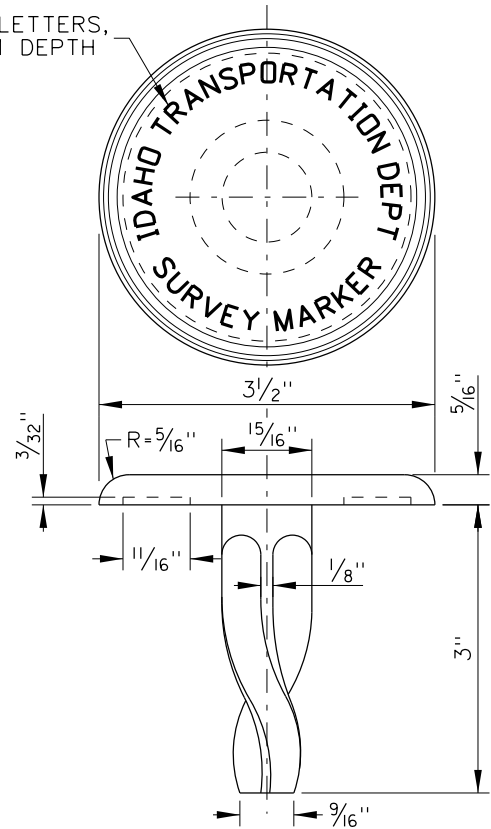
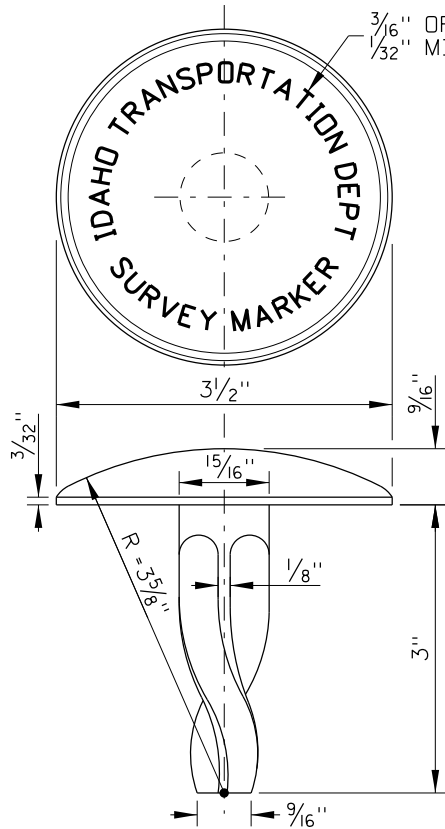
MONUMENT MARKER



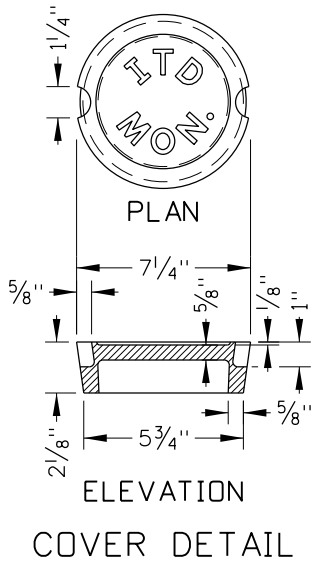
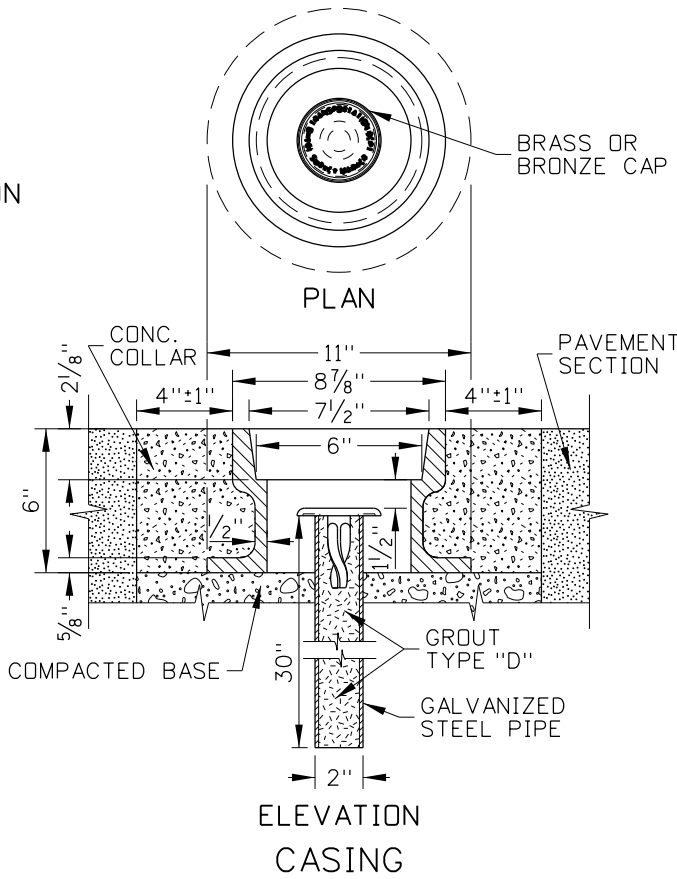
WITNESS POSTS



WITNESS POST
SOLID ROCK
INSTALLATION DETAIL



BRASS OR BRONZE CAP DETAILS



NOTES

1. SURVEY MONUMENTS CAN BE PRECAST OR CAST-IN-PLACE. SET THE BRASS CAP IN THE TOP CENTER OF THE MONUMENT.
2. USE ROUND TOP MARKERS FOR VERTICAL CONTROL, HORIZONTAL CONTROL, OR BOTH. USE FLAT TOP MARKERS FOR HORIZONTAL CONTROL.
3. ENSURE THAT HORIZONTAL CONTROL MARKERS ARE PLACED WITHIN 1/2" OF THE POINT ESTABLISHED. THE VERTICAL CONTROL POINT IS THE HIGHEST POINT OF THE ROUND TOP CAP.
4. REINFORCE EARTH INSTALLATION MONUMENT MARKER WITH FOUR NO. 2 BARS, 33 1/2" LONG, AND PLACED AN EQUAL DISTANCE APART. TIE WITH NO. 8 WIRE AT 10" INTERVALS.
5. USE CASING WHEN THE MONUMENT IS PLACED IN PAVEMENT. THE MONUMENT MAY BE PLACED CLOSER TO THE GROUND OR IN CASING IN AREAS THAT ARE MOWED. OTHER CASING DESIGNS MAY BE USED WITH APPROVAL FROM THE ENGINEER.
6. MACHINE COVER AND CASING CONTACT SURFACES TO A TRUE BEARING ALL AROUND.
7. THE MONUMENT MARKER MAY BE USED AS A RIGHT-OF-WAY MARKER, PROJECT MARKER, REFERENCE MARKER, CONTROL POINT, OR PROPERTY CORNER.
8. STAMP THE MONUMENT CAP ACCORDING TO ITS PURPOSE. "ROW" FOR RIGHT-OF-WAY MARKER, "PRJ" FOR PROJECT MARKER, "REF" FOR REFERENCE MARKER, "CTL" FOR CONTROL POINT, OR "COR" FOR PROPERTY CORNER.
9. PLACE THE WITNESS POSTS AS CLOSE TO THE MARKERS AS PRACTICAL. WHEN SOLID ROCK IS ENCOUNTERED, GROUT THE WITNESS POST AS SHOWN IN THE WITNESS POST SOLID ROCK INSTALLATION DETAIL.
10. DRAWINGS NOT TO SCALE.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	05-62		6	01-68		11	06-02
2	06-62		7	09-72		12	12-04
3	05-65		8	07-90	GB	13	11-06
4	09-66		9	09-93	MSM	14	12-12
5	04-67		10	05-95	MSM	15	11-15

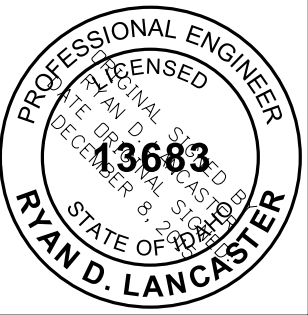
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 618-1_1215.dgn
DRAWING DATE: APRIL, 1961

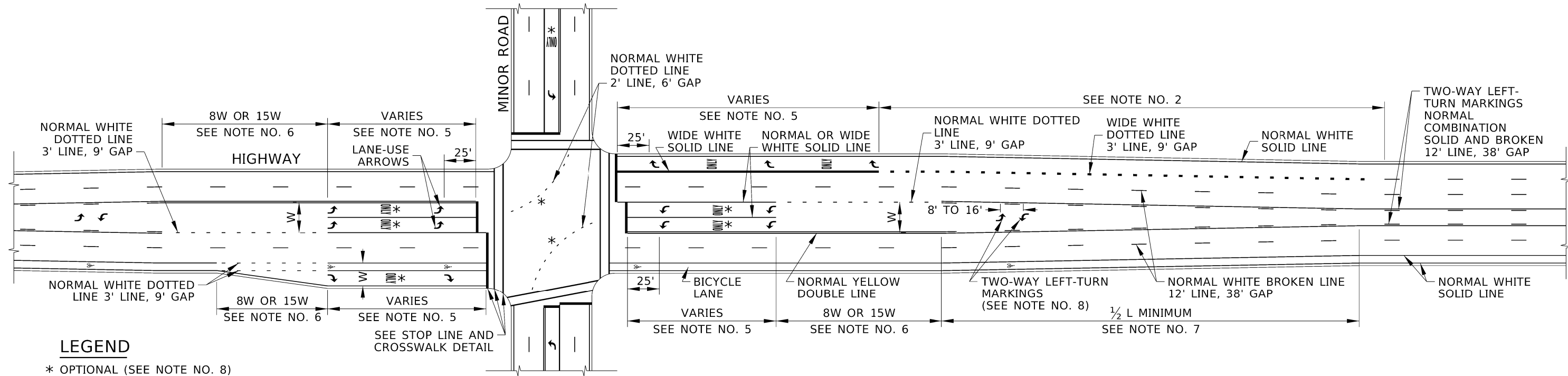
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: TED E. MASON <i>for</i> DESIGN/TRAFFIC SERVICES ENGINEER

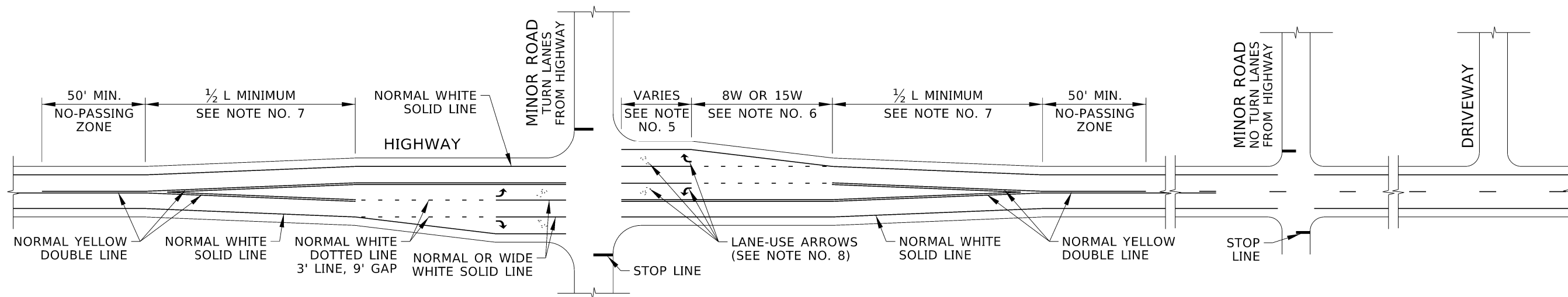
STANDARD DRAWING
MARKER POSTS, WITNESS POSTS, AND STREET MONUMENTS

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho
English
STANDARD DRAWING NO. 618-1
SHEET 1 OF 1





EXAMPLE URBAN HIGHWAY PAVEMENT MARKINGS



EXAMPLE RURAL HIGHWAY PAVEMENT MARKINGS

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	03-20	RDL							
2	03-21	PBH							
3	03-25	RDL							

SCALES SHOWN
 ARE FOR 11" X 17"
 PRINTS ONLY

CADD FILE NAME:
 630-1_0425.dgn

DRAWING DATE:
 DECEMBER, 2016

**IDAHO
 TRANSPORTATION
 DEPARTMENT**

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

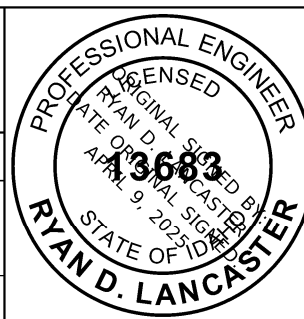
PAVEMENT MARKINGS

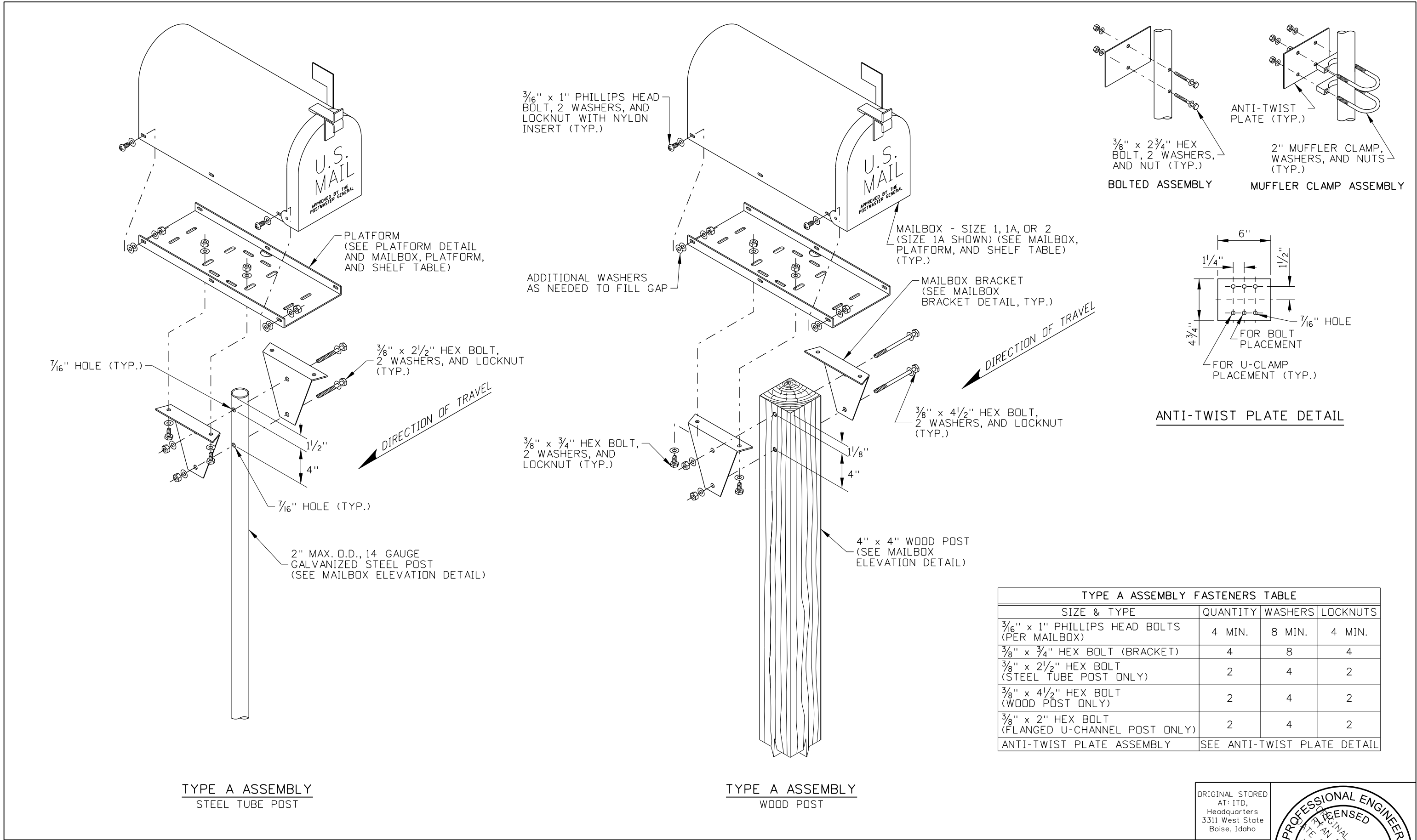
ENGLISH

STANDARD DRAWING NO.
630-1

SHEET **2** OF **4**

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





REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	7-92	MSM	6	7-10	MGL			
2	7-02	MSM	7	11-11	TEM			
3	7-05	MSM	8	01-13	RDL			
4	12-05	MSM						
5	10-08	JRV						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 634-1_0113.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

MAILBOXES

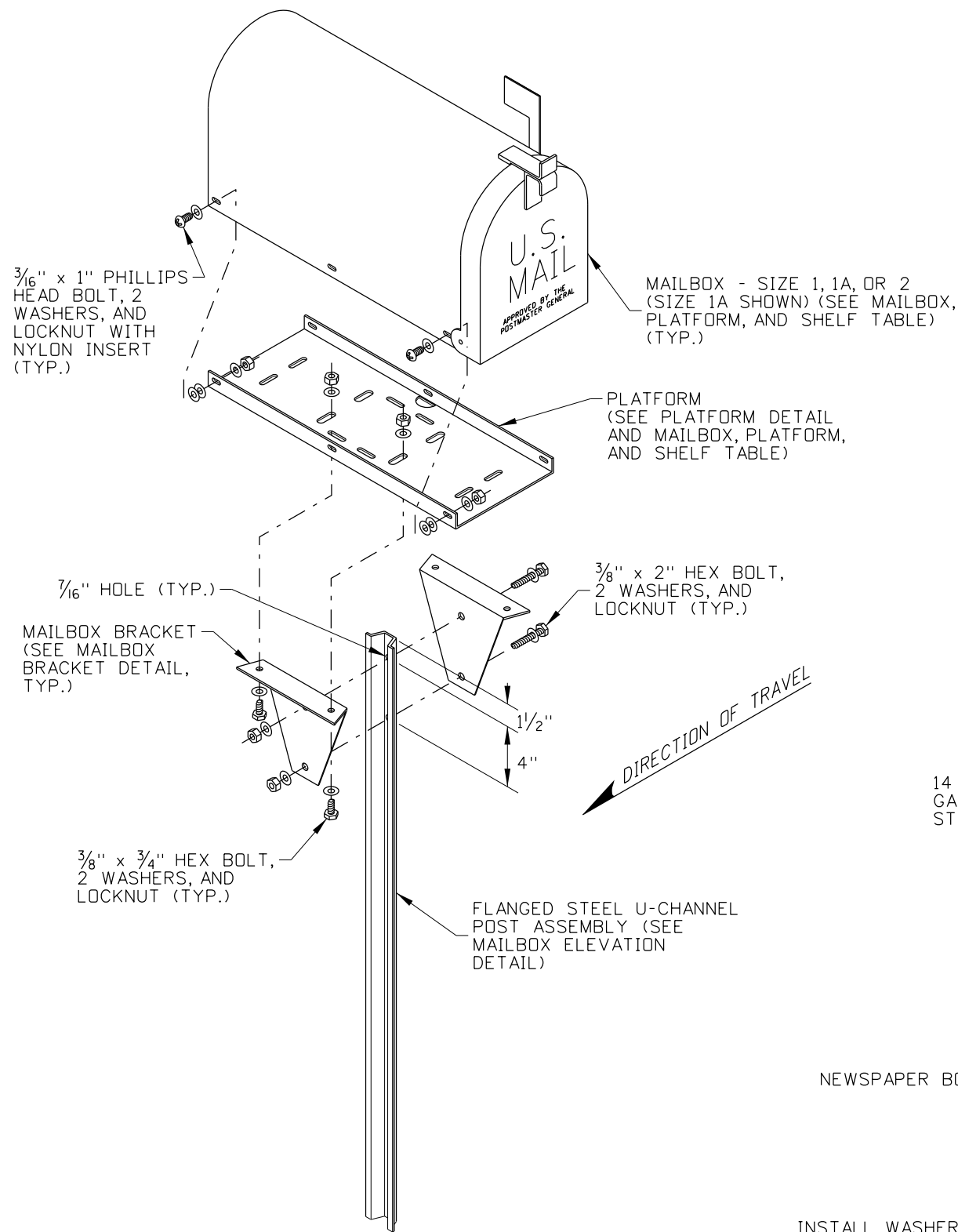
ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho

English

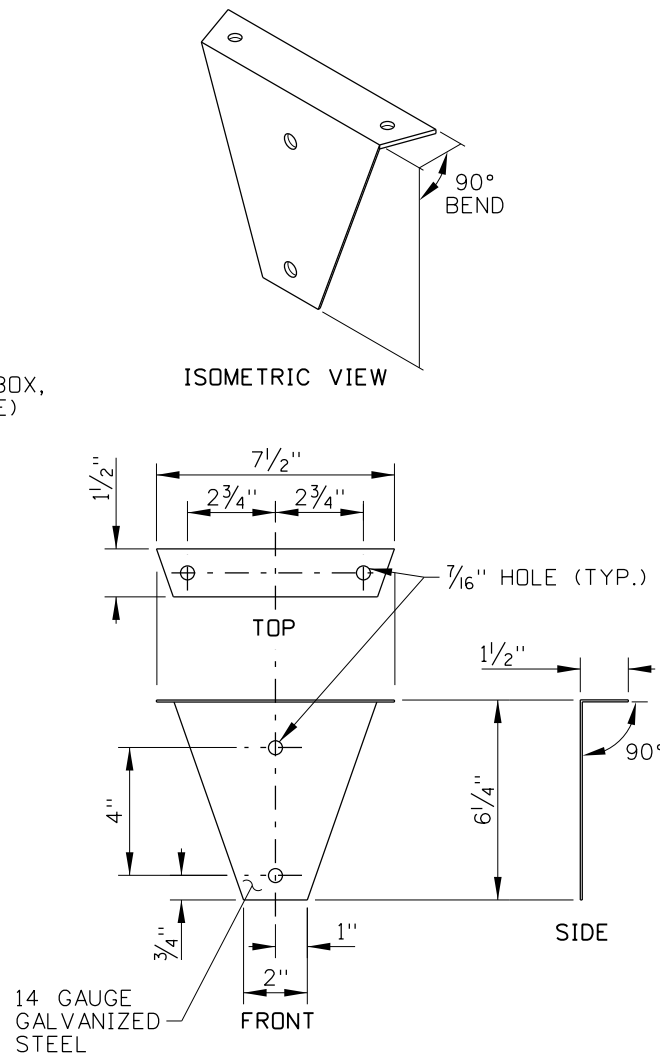
STANDARD DRAWING NO.
634-1

SHEET 1 OF 5

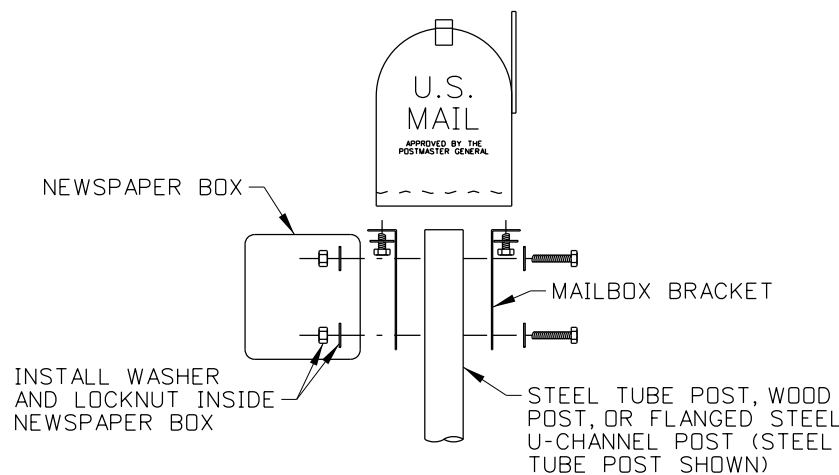
PROFESSIONAL ENGINEER
STATE OF IDAHO
JANUARY 31, 2015
13683
RYAN D. LANCASTER



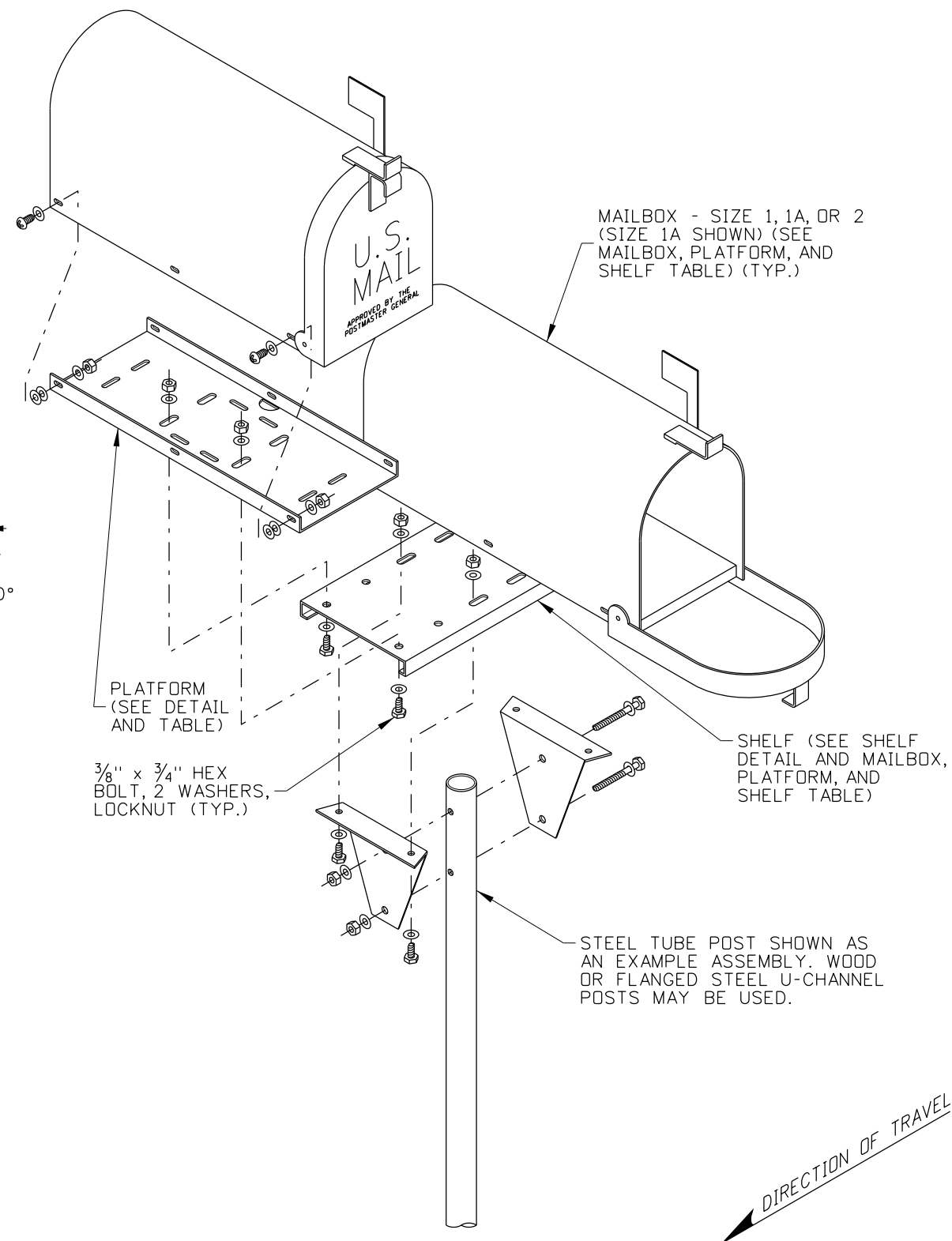
TYPE A ASSEMBLY
FLANGED STEEL U-CHANNEL POST
(2 LB/FT)



MAILBOX BRACKET DETAIL



NEWSPAPER BOX DETAIL
TYPE A ASSEMBLY



TYPE A ASSEMBLY
DOUBLE MAILBOX ASSEMBLY

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	7-92	MSM	6	7-10	MGL			
2	7-02	MSM	7	11-11	TEM			
3	7-05	MSM	8	01-13	RDL			
4	12-05	MSM						
5	10-08	JRV						

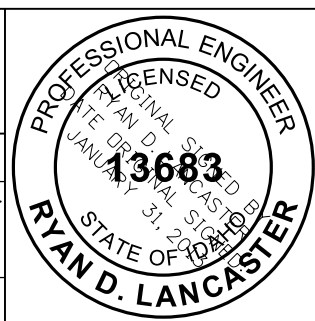
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 634-1_0113.dgn
DRAWING DATE: SEPTEMBER, 1993

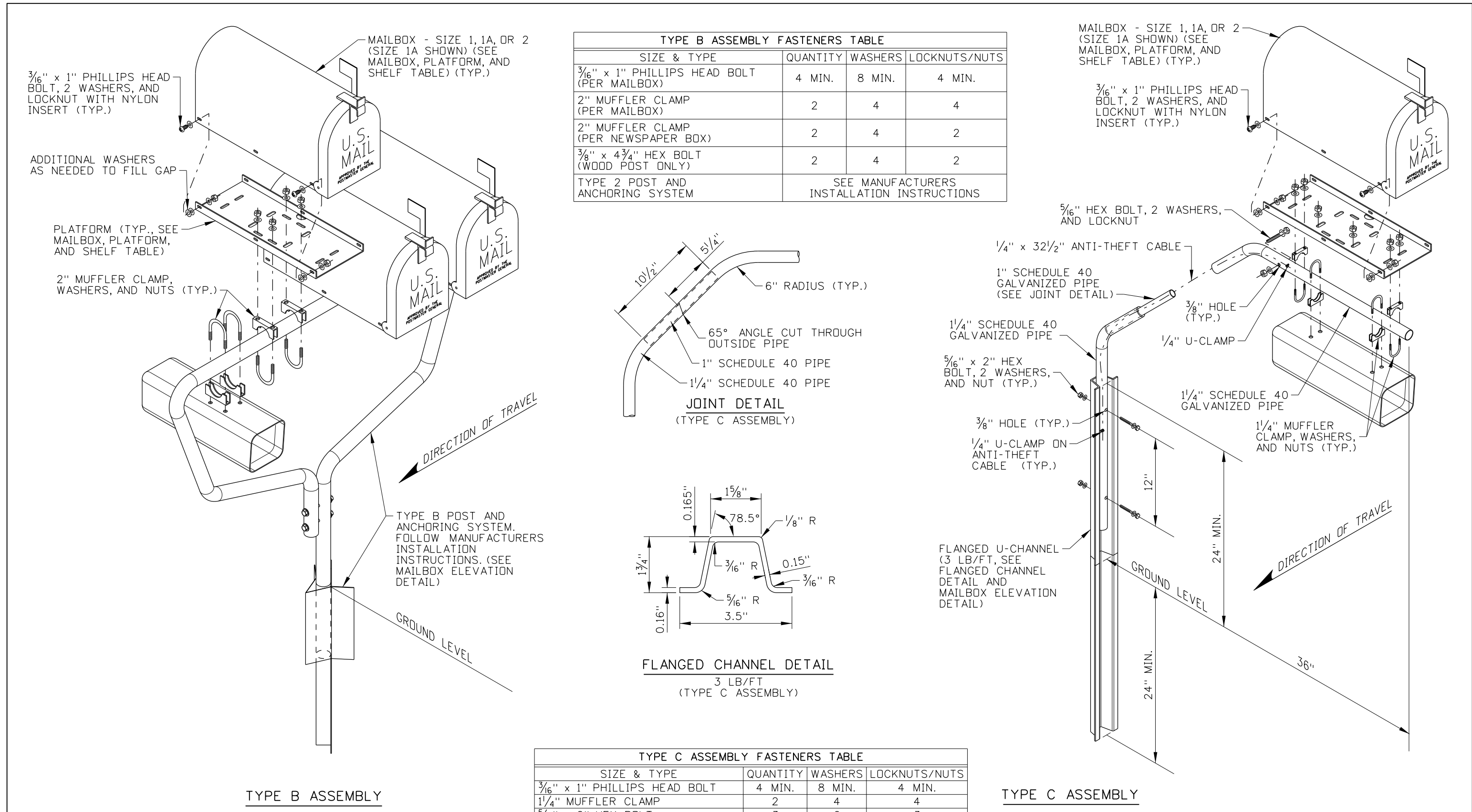
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

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

STANDARD DRAWING
MAILBOXES

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho
English
STANDARD DRAWING NO. 634-1
SHEET 2 OF 5





REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	7-92	MSM	6	7-10	MGL			
2	7-02	MSM	7	11-11	TEM			
3	7-05	MSM	8	01-13	RDL			
4	12-05	MSM						
5	10-08	JRV						

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IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

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

STANDARD DRAWING
MAILBOXES

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho
English
STANDARD DRAWING NO. 634-1
SHEET 3 OF 5

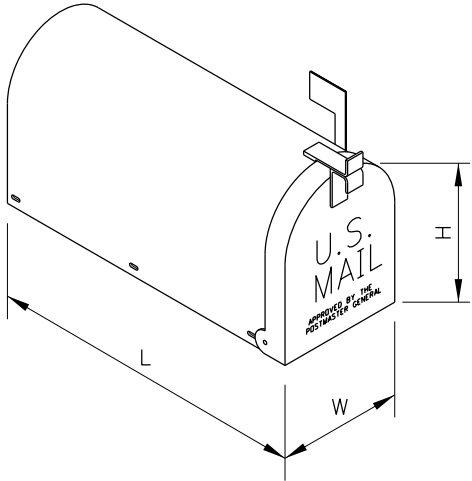
PROFESSIONAL ENGINEER

STATE OF IDAHO

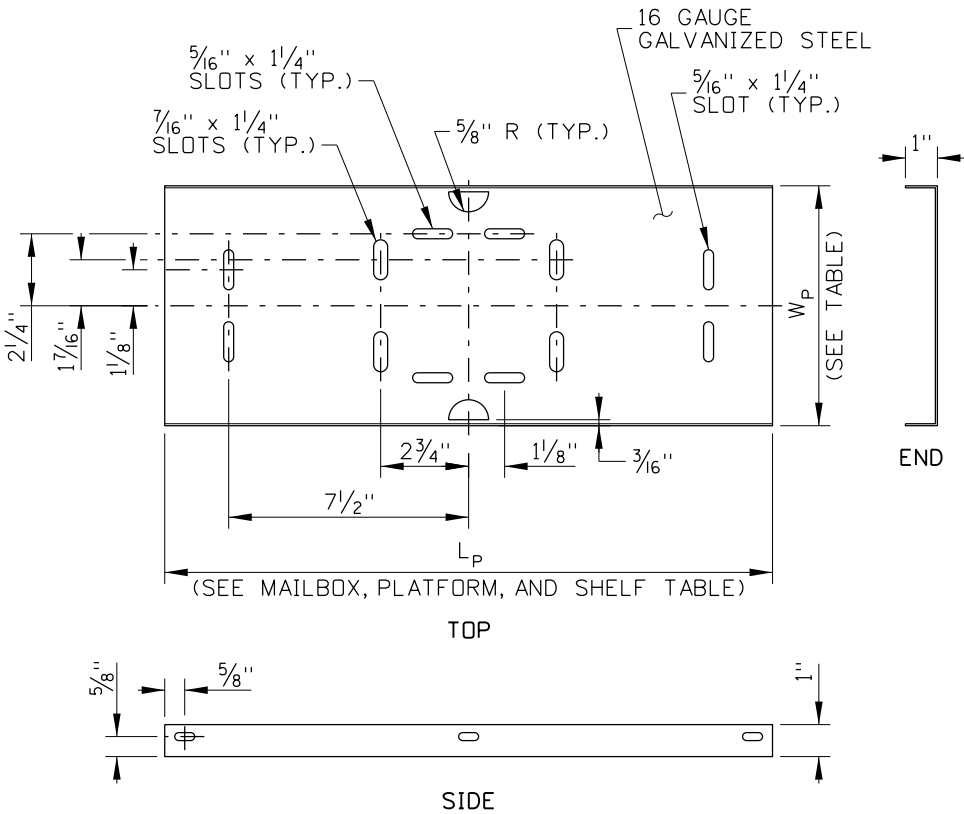
13683

RYAN D. LANCASTER

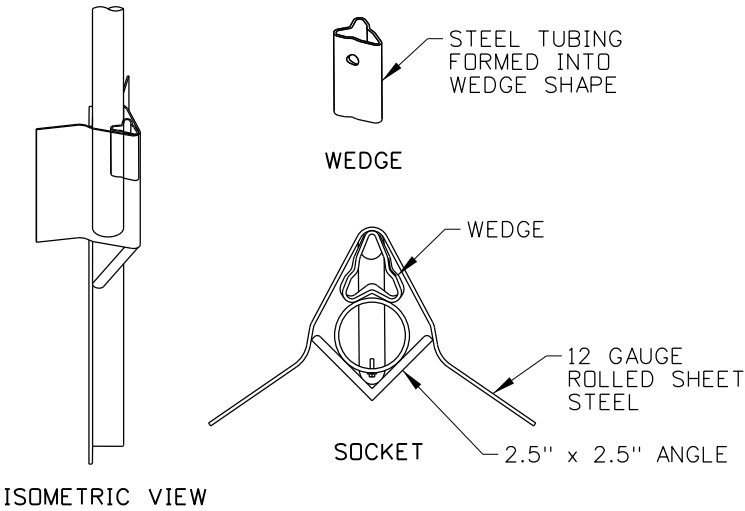
MAILBOX, PLATFORM, AND SHELF TABLE						
MAILBOX SIZE	MAILBOX DIMENSIONS			PLATFORM DIMENSION		SHELF DIM.
	L	W	H	L _P	W _P	L _S
1	19"	6½"	8½"	17"	6"	15"
1-A	21"	8"	10½"	19"	7½"	16½"
2	23½"	11½"	13½"	21"	11"	20"



MAILBOX DIMENSIONS

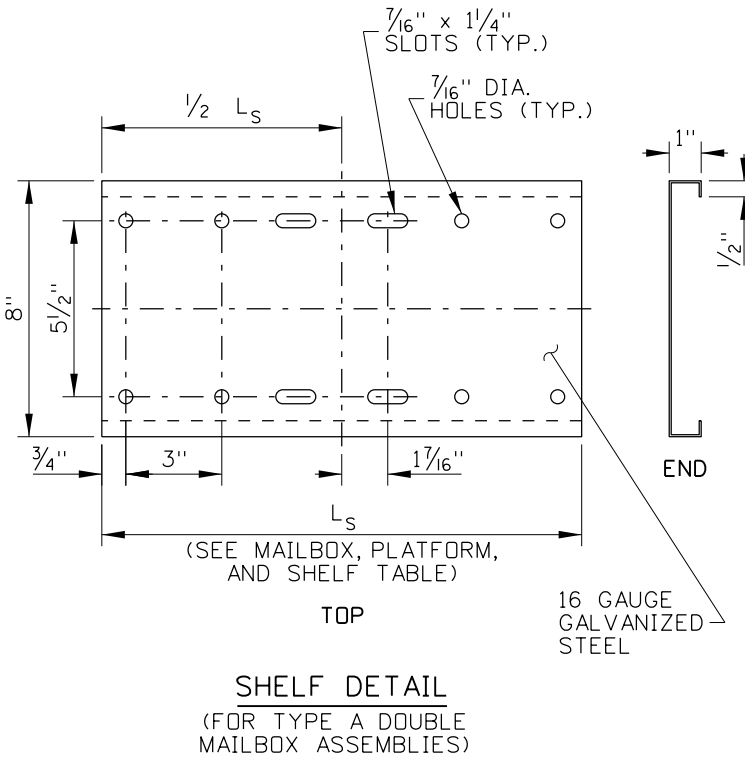


PLATFORM DETAIL
(ONE-PIECE)



SOCKET AND WEDGE MAILBOX SUPPORT SYSTEM DETAIL

FOR USE WITH TYPE B ASSEMBLY
MAY BE USED WITH TYPE A - STEEL TUBE POST ASSEMBLY
(SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS)



SHELF DETAIL
(FOR TYPE A DOUBLE
MAILBOX ASSEMBLIES)

NOTES

1. CONSTRUCT MAILBOX ASSEMBLIES IN ACCORDANCE WITH SECTION 634 - MAILBOX OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. SEE STANDARD DRAWING 405-2 FOR MAILBOX PLACEMENT.
3. INSTALL THE MAILBOXES AND ASSEMBLIES WITH THE FASTENERS SHOWN IN THE ASSEMBLY FASTENER TABLES. SOME PLATFORM SLOTS AND HOLES MAY REMAIN UNUSED.
4. CENTER THE MAILBOX ON THE PLATFORM AND ENSURE THAT THE MAILBOX DOOR OPENS. SPACING OF MAILBOX MOUNTING HOLES MAY VARY BETWEEN MANUFACTURERS AND ADDITIONAL HOLES MAY BE DRILLED IN THE MAILBOX, PLATFORM, OR BOTH TO ATTACH THE MAILBOX TO THE PLATFORM.
5. COMMERCIALLY AVAILABLE MAILBOXES AND MAILBOX ASSEMBLIES MAY BE SUBSTITUTED FOR THOSE SHOWN IF THEY MEET THE REQUIREMENTS OF THE U.S. POSTMASTER GENERAL AND HAVE SUCCESSFULLY PASSED THE TESTING REQUIREMENTS OF MASH OR NCHRP 350. ADJUSTABLE PLATFORM ALTERNATIVES AND THE SOCKET AND WEDGE MAILBOX SUPPORT SYSTEM ARE EXAMPLES OF COMMERCIALLY AVAILABLE PROPRIETARY SYSTEMS THAT MAY BE ACCEPTABLE ALTERNATIVES. OBTAIN THE ENGINEER'S APPROVAL BEFORE INSTALLING ALTERNATIVE MAILBOXES OR ASSEMBLIES AND INSTALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
6. USE AN ANTI-TWIST PLATE, SHOWN ON THE ANTI-TWIST PLATE DETAIL. A SOCKET AND WEDGE MAILBOX SUPPORT SYSTEM MAY BE USED IN LIEU OF AN ANTI-TWIST PLATE. IF THE SOCKET AND WEDGE SYSTEM IS USED, FOLLOW THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. THE TYPE C ASSEMBLY SHOULD BE USED IN HEAVY SNOW AREAS OR AREAS WHERE SNOW PLOW DAMAGE TO MAILBOXES HAS BEEN OBSERVED OR IS ANTICIPATED.
8. WHEN USED IN HEAVY SNOW AREAS, ONLY ONE MAILBOX IS RECOMMENDED FOR TYPE A ASSEMBLIES. THE TYPE A ASSEMBLY WITH WOOD POSTS IS RECOMMENDED FOR USE IN HEAVY SNOW AREAS. A SNOW SHIELD MAY BE INSTALLED AS SHOWN ON STANDARD DRAWING 634-2.
9. MAILBOX SIZES 1, 1A, AND 2, SHOWN IN THE MAILBOX, PLATFORM, AND SHELF TABLE MAY BE INSTALLED ON THE TYPE A DOUBLE MAILBOX ASSEMBLY IN ANY COMBINATION OF SIZES. WHEN MORE THAN ONE SIZE IS TO BE INSTALLED, USE THE SHELF SIZE FOR THE LARGER MAILBOX.
10. THE TYPE B ASSEMBLY IS A PROPRIETARY SYSTEM THAT MAY BE USED FOR THE INSTALLATION OF TWO OR MORE MAILBOXES. ON TYPE B MAILBOX ASSEMBLIES, INSTALL A MAXIMUM OF FIVE SIZE 1 MAILBOXES, FOUR SIZE 1A MAILBOXES, OR THREE SIZE 2 MAILBOXES. WHEN MORE THAN ONE SIZE IS TO BE INSTALLED, LIMIT THE NUMBER OF MAILBOXES TO THE MAXIMUM NUMBER FOR THE LARGEST SIZE USED.
11. DO NOT INSTALL THE MAILBOX ASSEMBLY IN A CONCRETE FOUNDATION. AN EXCEPTION MAY BE MADE FOR MASH OR NCHRP 350 APPROVED ALTERNATIVE MAILBOX ASSEMBLIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
12. ENSURE THAT PLATFORM, SHELF, AND BRACKETS ARE GALVANIZED IN ACCORDANCE WITH AASHTO M 232.
13. IF USED, ATTACH THE NEWSPAPER BOX TO THE SUPPORT, DIRECTLY UNDER THE MAILBOX. ENSURE THAT NEWSPAPER BOXES DO NOT EXTEND BEYOND THE FRONT OF THE MAILBOX WHEN THE MAILBOX DOOR IS CLOSED. IN HEAVY SNOW AREAS, LOCATE THE NEWSPAPER BOX ON THE TRAILING SIDE OF THE MAILBOX POST. SEE THE NEWSPAPER BOX DETAIL FOR INSTALLATIONS ON TYPE A MAILBOX ASSEMBLIES.
14. ROUND OR GRIND THE CORNERS OF PLATFORMS, SHELVES, BRACKETS, OR OTHER HARDWARE THAT HAS SHARP PROTRUDING EDGES.
15. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	7-92	MSM	6	7-10	MGL			
2	7-02	MSM	7	11-11	TEM			
3	7-05	MSM	8	01-13	RDL			
4	12-05	MSM						
5	10-08	JRV						

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CADD FILE NAME: 634-1_0113.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

MAILBOXES

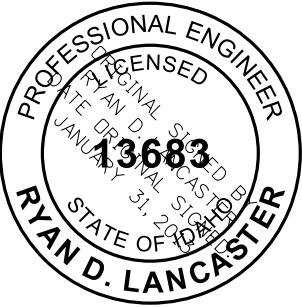
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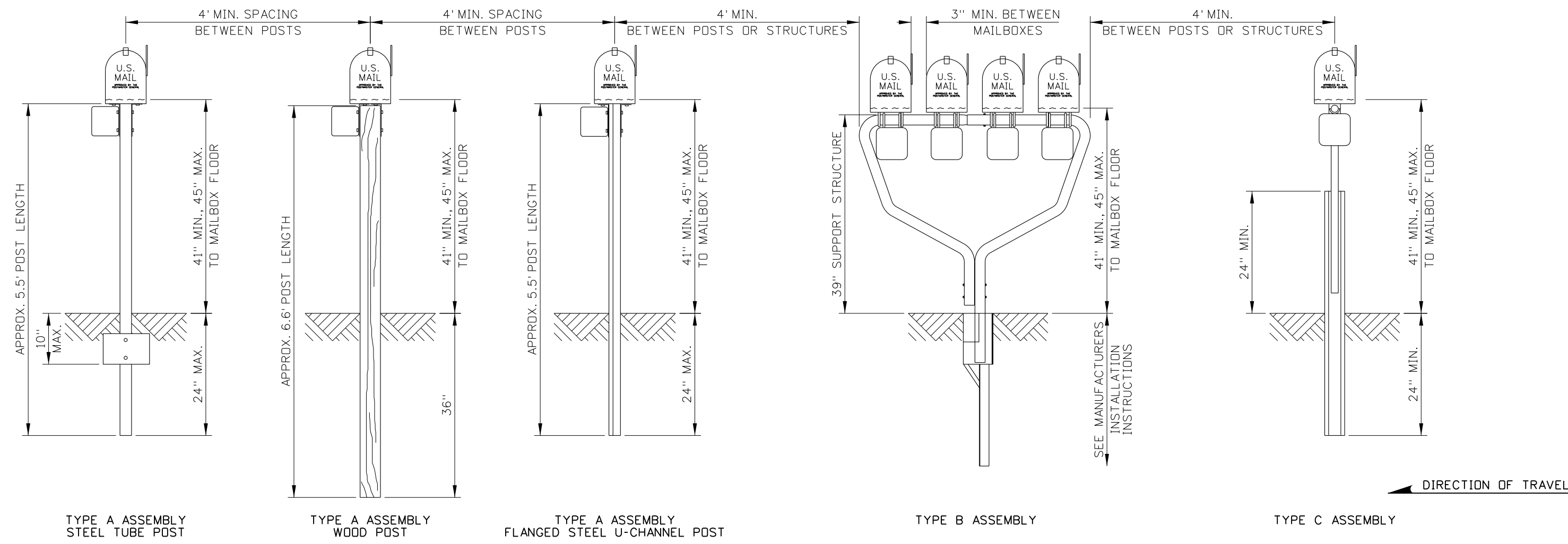
STANDARD DRAWING NO.

634-1

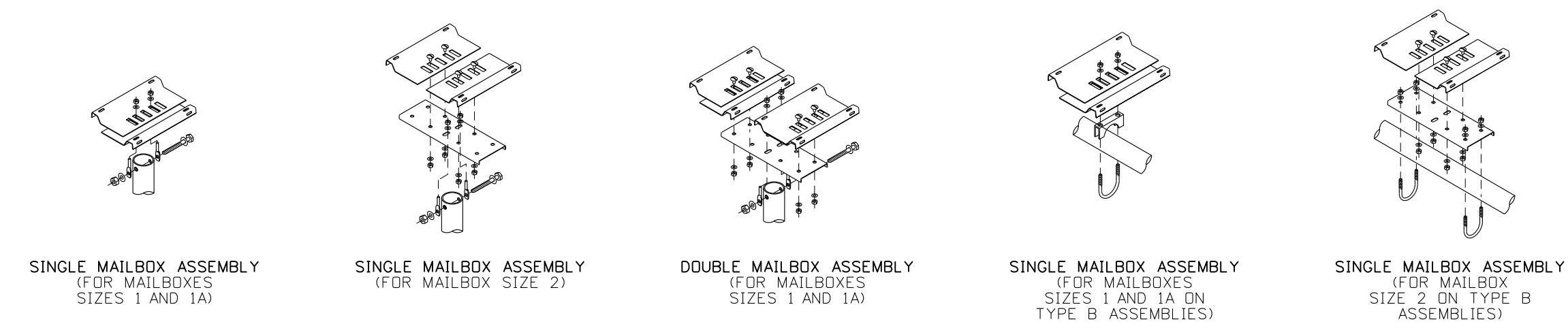
SHEET 4 OF 5

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AT: ITD,
Headquarters
3311 West State
Boise, Idaho





MAILBOX ELEVATION DETAIL



ADJUSTABLE PLATFORM ALTERNATIVES

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NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY					MAILBOXES			
1	7-92	MSM	6	7-10	MGL				CADD FILE NAME: 634-1_0113.dgn	BOISE IDAHO	ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER					
2	7-02	MSM	7	11-11	TEM							DRAWING DATE: SEPTEMBER, 1993				
3	7-05	MSM	8	01-13	RDL											
4	12-05	MSM														
5	10-08	JRV														



- ## NOTES

1. SEE THE MAILBOX STANDARD DRAWING FOR MAILBOX INSTALLATION DETAILS
2. ROUND OR GRIND THE SHARP CORNERS OF THE PLATFORM, SNOW SHIELD SHELF, AND BRACE.
3. WHEN A NEWSPAPER BOX IS INSTALLED, ENSURE THAT BOX IS ON THE TRAILING SIDE OF THE POST.
4. DRAWING NOT TO SCALE.

[illegible]

SCALES SHOWN
ARE FOR 11" X 17"
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CADD FILE NAME:
634-2_0515.dgn

DRAWING DATE:
NOVEMBER, 2005

IDAHO
TRANSPORTATION
DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

MAILBOX SNOW SHIELD

REQUIRES STD. DWG. 634-1

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

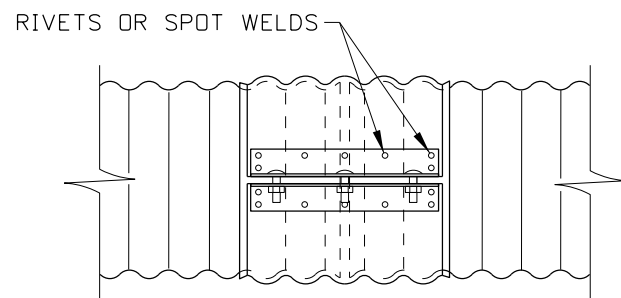
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STANDARD DRAWING NO.

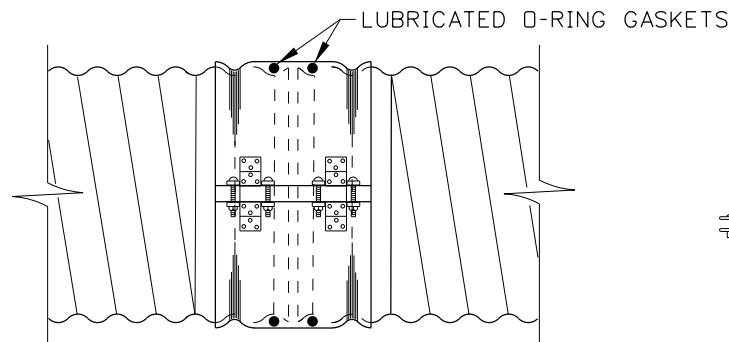
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SHEET 1 OF 1

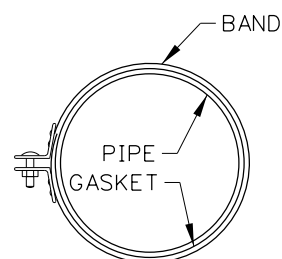




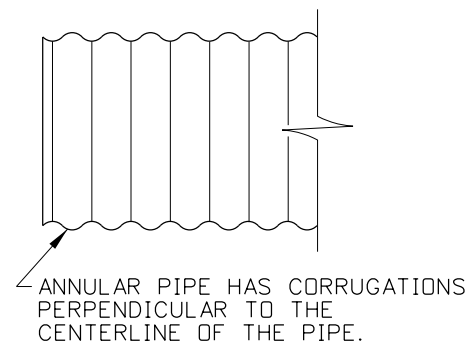
TYPES 1-A & 2-A
ANNULAR COUPLING BAND



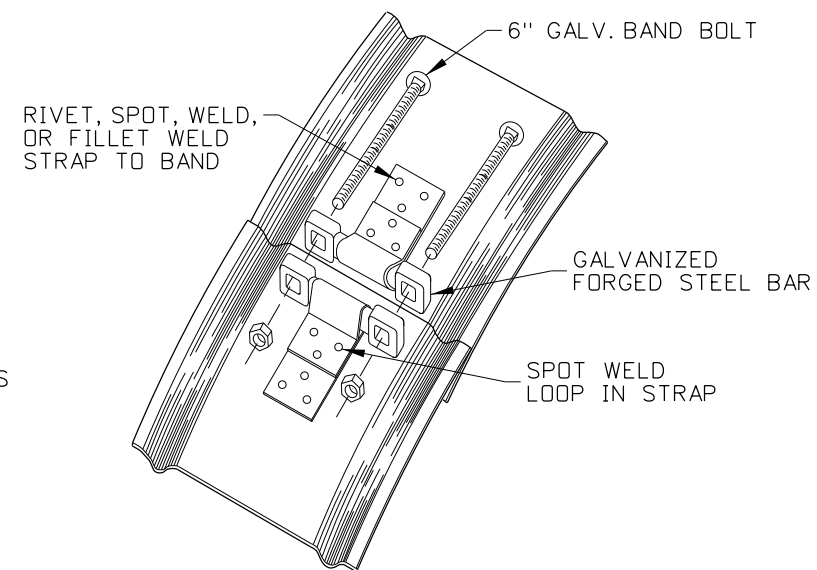
DOUBLE BAR AND STRAP-TYPE 3
HUGGER COUPLING BAND



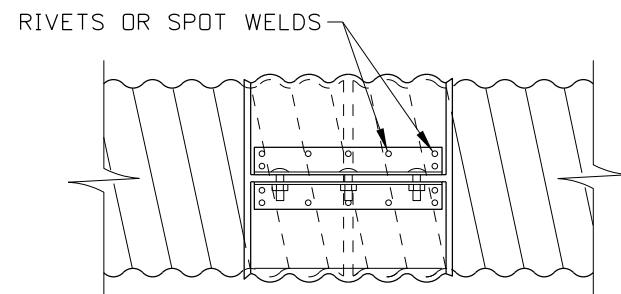
TYPE 1
SINGLE PIECE BAND



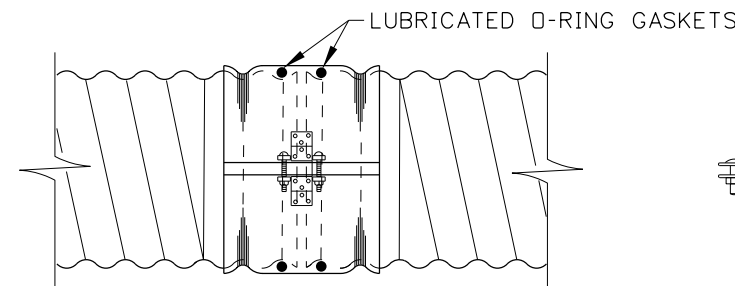
ANNULAR CMP



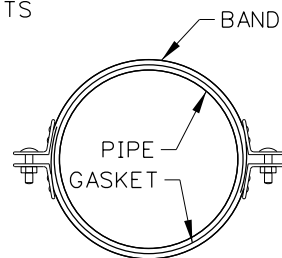
BAND TYPE 3
BAR & STRAP COUPLING
(SINGLE STRAP)



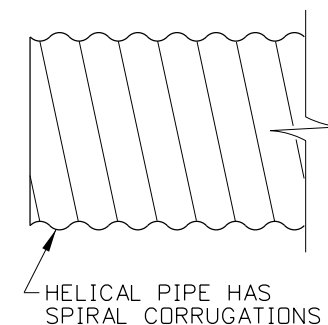
TYPES 1-B & 2-B
HELICAL COUPLING BAND



SINGLE BAR AND STRAP-TYPE 3
HUGGERL COUPLING BAND



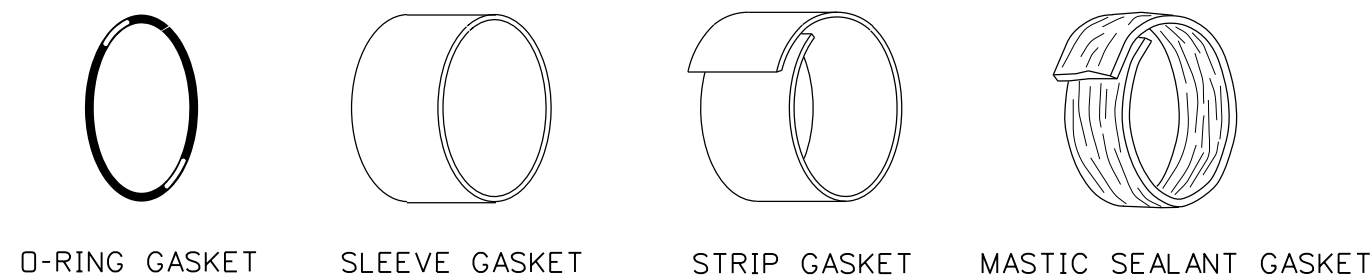
TYPE 2
TWO PIECE BAND



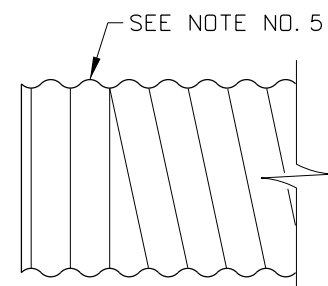
HELICAL CMP

NOTES

1. THE REFORMED ENDS OF HELICAL CORRUGATED METAL PIPE MADE TO ACCEPT ANNULAR COUPLING BANDS SHALL BE UNIFORM AND SMOOTH IN APPEARANCE. PIPE WITH IRREGULAR REFORMED ENDS ARE NOT ACCEPTABLE.
2. SLEEVE AND STRIP GASKETS FOR COUPLING BANDS TYPE 1-A AND 1-B SHALL EXCEED THE WIDTH OF THE BAND BY A MINIMUM OF 1/4" ON BOTH EDGES. THE GASKETS SHALL FIT SNUGGLY AROUND THE PIPES PRIOR TO INSTALLATION OF THE BAND.
3. ALL WELDS AND/OR EXPOSED FERROUS METAL ON COUPLING BANDS AND BAND CONNECTING HARDWARE SHALL BE REPAIRED IN ACCORDANCE WITH AASHTO M 36.
4. STEEL BAND THICKNESS SHALL BE AT LEAST 1/2 THE THICKNESS OR GAUGE OF THE PIPE. ALUMINUM BANDS SHALL BE THE SAME THICKNESS AS THE PIPE.
5. THE JOINTS FOR SIPHONS AND SEWERS SHALL BE WATERTIGHT AND PRESSURE TESTED PRIOR TO ACCEPTANCE, AS REQUIRED IN THE STANDARD SPECIFICATIONS.
6. TO PREVENT GALVANIC ACTION WHEN BANDS AND PIPES ARE OF AN UNLIKE METAL, THE BANDS SHALL BE ASPHALT COATED.
7. GASKET MATERIALS ARE NOT TO BE ALTERED, SEWN, OR PATCHED. THE USE OF SEALANTS AND/OR LUBRICANTS WITH BAND GASKETS MUST BE AS THE MANUFACTURER SPECIFIES. THE QUALITY AND CHEMICAL COMPOSITION OF SEALANTS AND LUBRICANTS WILL BE AS THE MANUFACTURER REQUIRES. CONTACT THE MANUFACTURER FOR DETAILS.
8. SPOT WELDED OR FILLET WELDED STRAPS ON BANDS SHALL BE OF EQUAL STRENGTH TO RIVETED STRAPS.
9. ALL RECOMMENDATIONS IN THE PIPE COUPLING BAND TABLE ARE TO BE CONSIDERED MINIMAL.
10. NOT TO SCALE.



STANDARD CORRUGATED STEEL PIPE GASKET TYPES



REFORMED HELICAL CMP

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-76		6	03-05	MSM			
2	02-77							
3	09-93	MSM						
4	12-95	MSM						
5	06-02	MSM						

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DRAWING DATE:
APRIL, 1961

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BOISE IDAHO

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

ORIGINAL SIGNED BY: STEVEN HUTCHINSON
CHIEF ENGINEER

STANDARD DRAWING

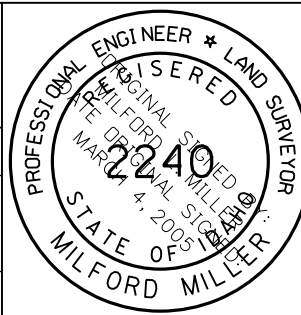
CORRUGATED METAL PIPE
WATERTIGHT COUPLING BANDS

English

STANDARD DRAWING NO.
706-6

SHEET 1 OF 2

ORIGINAL STORED
AT: ITD,
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3311 West State
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PIPE COUPLING BAND TABLE						PIPE CORRUGATION STYLE			SIPHON	* CULVERT	IRRIGATION	SEWER	UNDERDRAIN
COUPLING TYPE	CORRUGATIONS	PIPE SIZE	COUPLING WIDTH	COUPLING BOLTS (NO.) DIA.	GASKET TYPE	ANNULAR PIPE	REFORMED HELICAL	HELICAL PIPE					
TYPE 1-A ANNULAR COUPLING BAND	1½" x ¼" & 2⅜" x ½"	6"-10"	7" (1 PIECE)	(3) ⅜"	SLEEVE	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) ½"	SLEEVE	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) ½"	SLEEVE	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) ⅝"	SLEEVE	X	X			X	X		X
TYPE 1-B HELICAL COUPLING BAND	1½" x ¼" & 2⅜" x ½"	6"-10"	7" (1 PIECE)	(3) ⅜"	SLEEVE OR STRIP			X		X	X		X
	2⅜" x ½" & 3" x 1"	12"-15"	7" (1 PIECE)	(3) ½"	SLEEVE OR STRIP			X		X	X		X
	2⅜" x ½" & 3" x 1"	18"-24"	12" (1 PIECE)	(3) ½"	SLEEVE OR STRIP			X		X	X		X
	2⅜" x ½" & 3" x 1"	30"-42"	24" (1 PIECE)	(5) ⅝"	SLEEVE OR STRIP			X		X	X		X
TYPE 2-A ANNULAR COUPLING BAND	1½" x ¼" & 2⅜" x ½"	6"-10"	7" (1 PIECE)	(4) ⅜"	SLEEVE, STRIP OR MASTIC	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) ⅜"	SLEEVE, STRIP OR MASTIC	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) ½"	SLEEVE, STRIP OR MASTIC	X	X		X	X	X	X	X
	2⅜" x ½" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) ½"	SLEEVE, STRIP OR MASTIC	X	X		X	X	X	X	X
TYPE 2-B HELICAL COUPLING BAND	1½" x ¼" & 2⅜" x ½"	6"-10"	7" (1 PIECE)	(4) ⅜"	SLEEVE, STRIP OR MASTIC			X		X	X		X
	2⅜" x ½" & 3" x 1"	12"-15"	7" (1 PIECE)	(4) ⅜"	SLEEVE, STRIP OR MASTIC			X		X	X		X
	2⅜" x ½" & 3" x 1"	18"-24"	12" (1 PIECE)	(6) ½"	SLEEVE, STRIP OR MASTIC			X		X	X		X
	2⅜" x ½" & 3" x 1"	30"-42"	24" (1 PIECE)	(8) ½"	SLEEVE, STRIP OR MASTIC			X		X	X		X
TYPE 3 HUGGER COUPLING BAND	2⅜" x ½" & 3" x 1"	12"-48" (GALV.)	7½" (STRAP)	(2) 6" x ½"	O-RING	X	X			X	X	X	X
	2⅜" x ½" & 3" x 1"	54"-96" (GALV.)	10½" (2 STRAP)	(4) 6" x ⅝"	O-RING	X	X			X	X	X	X
	2⅜" x ½" & 3" x 1"	102"-144" (GALV.)	12" (3 STRAP)	(6) 6" x ⅞"	O-RING	X	X			X	X	X	X

* WATERTIGHT BANDS ARE NOT REQUIRED ON CULVERT INSTALLATIONS UNLESS SPECIFIED BY THE PLANS OR SPECIAL PROVISIONS

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	02-76		6	03-05	MSM				
2	02-77								
3	09-93	MSM							
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ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: STEVEN HUTCHINSON
CHIEF ENGINEER

STANDARD DRAWING	
CORRUGATED METAL PIPE WATERTIGHT COUPLING BANDS	

English
STANDARD DRAWING NO. 706-6
SHEET 2 OF 2

ORIGINAL STORED
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Boise, Idaho

