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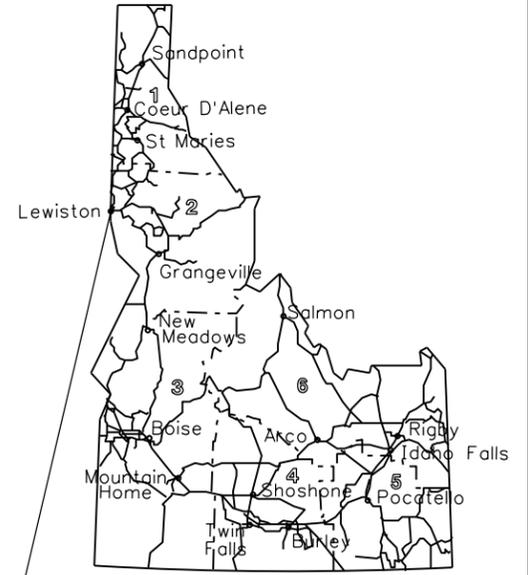
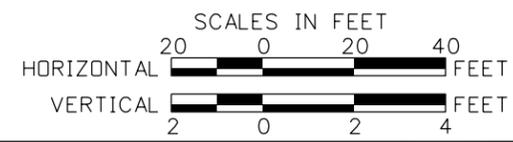
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INDEX OF SHEETS	
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2	PROJECT CONTROL/ KEY PLAN
3	PROJECT CLEARANCE SUMMARY
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43-61	DRAINAGE PLAN AND PROFILE SHEETS
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IDAHO
TRANSPORTATION DEPARTMENT
PLAN AND PROFILE OF PROPOSED
SNAKE RIVER AVE; SOUTHWAY BR TO 11TH AVE
FEDERAL AID PROJECT NO. A013(443)

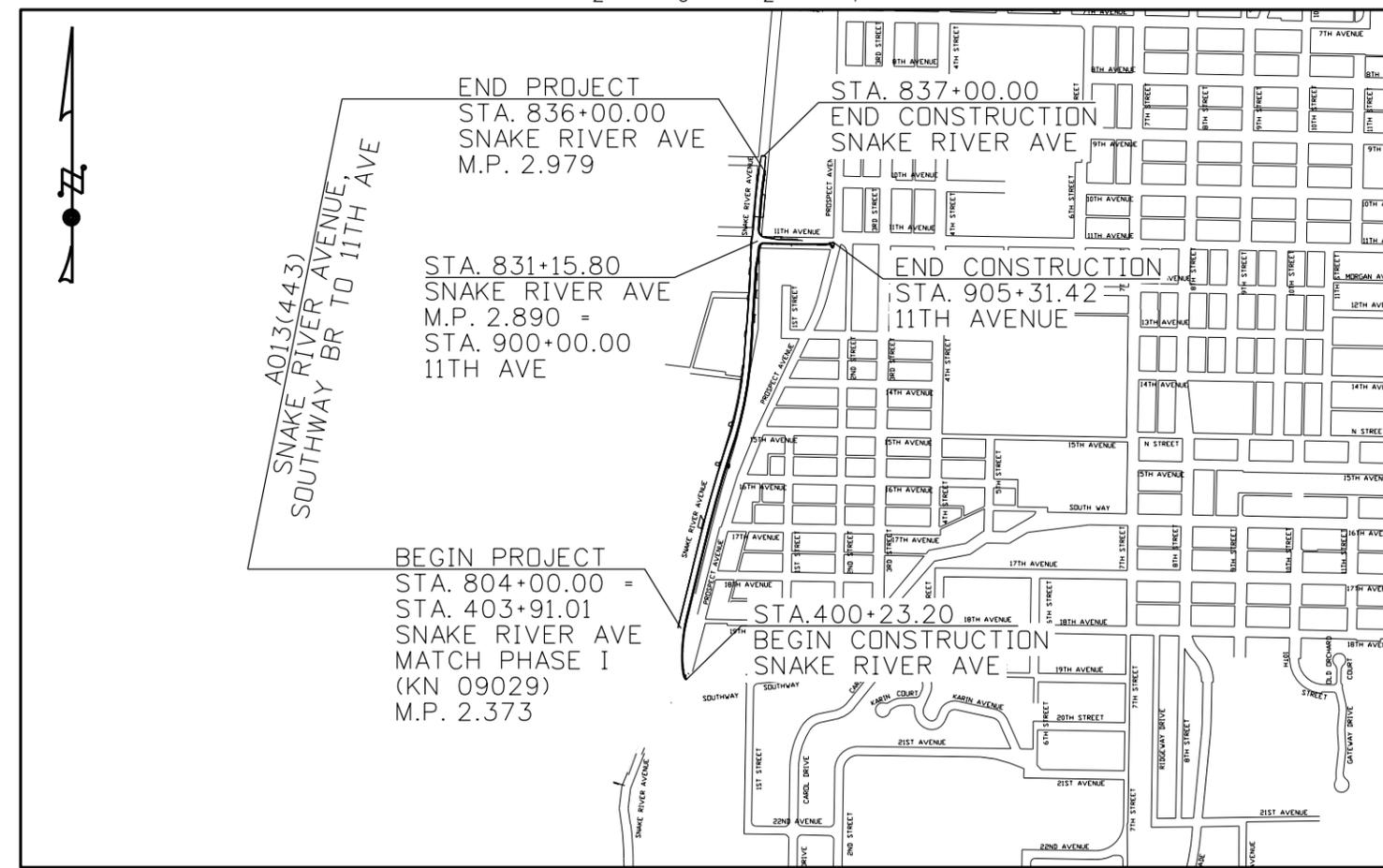
KEY NO. 13443
NEZ PERCE COUNTY
NOVEMBER 2025



SNAKE RIVER AVE.,
 SOUTHWAY AVE TO 11TH AVE., LEWISTON
 M.P. 2.373- M.P. 2.979
 SEGMENT CODE 007010

11TH AVE.
 SEGMENT CODE 006890

DESIGN DESIGNATION	
ADT 2023	10,000
ADT 2043	13,500
DHV 2023	900
DHV 2043	1,215
D	50/50
V	35 MPH
TRUCKS:	5%
ADT 2023	500
ADT 2043	675
DHV 2023	45
DHV 2043	60



REVISIONS			
NO.	DATE	BY	DESCRIPTION

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

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_titl_001.sht

DRAWING DATE:
17-SEP-2025

IDAHO
TRANSPORTATION DEPARTMENT

Horrocks.

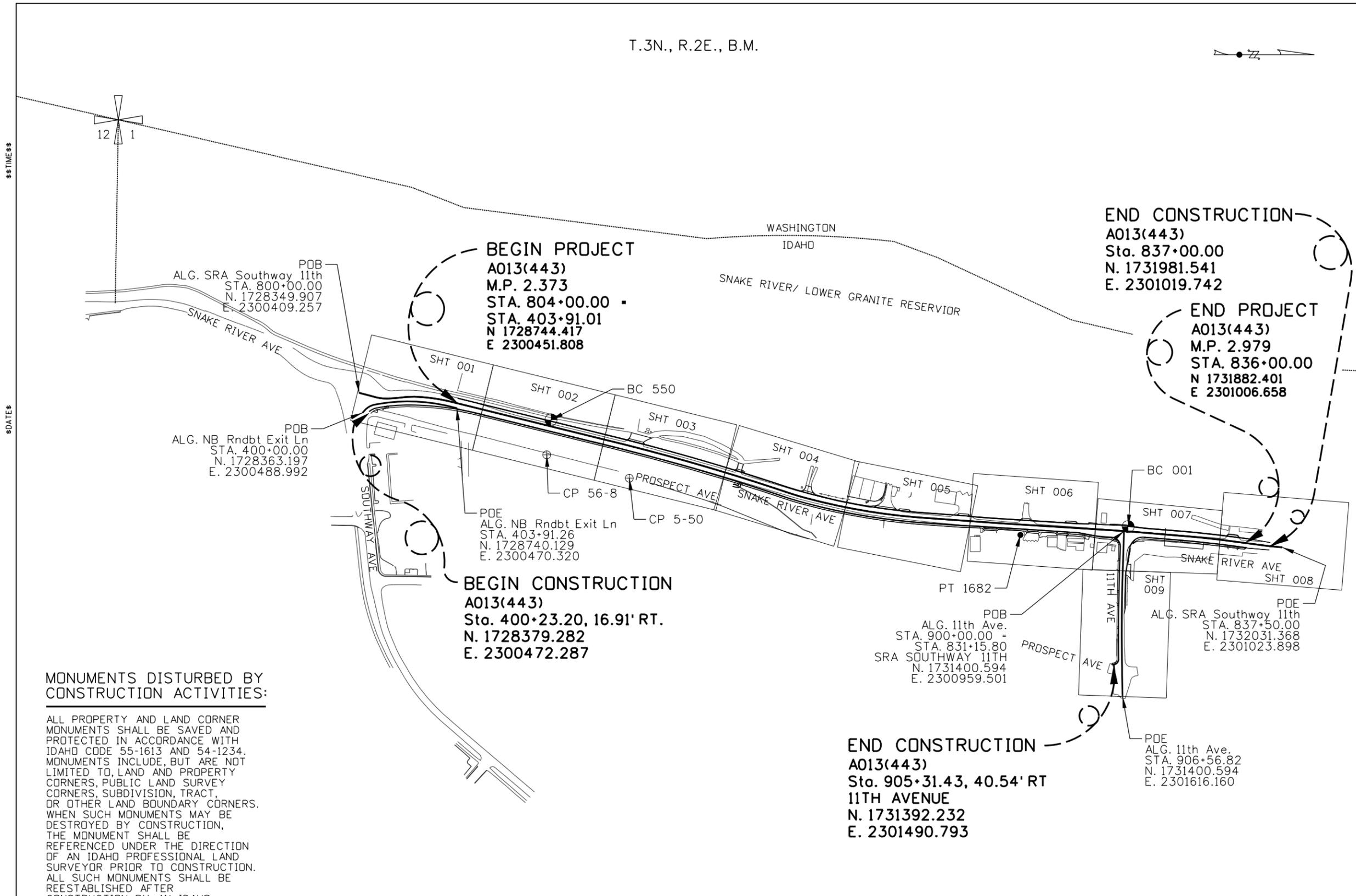
PROJECT NO.
A013(443)

TITLE SHEET
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
LEWISTON, ID

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 1 OF 103

Paul Noel
 Approved for Advertising
 12/16/2025
 Date Approved

T.3N., R.2E., B.M.



SURVEY CONTROL POINTS:

- BC 550
FOUND BRASS CAP
STA. 807+75.43, 25.24' LT.
N. 1729115.013
E. 2300516.932
EL. 750.45'
- PT 1682
FOUND 1/2" REBAR
STA. 827+04.15, 41.40' RT.
N. 1730987.165
E. 2300974.674
EL. 738.66'
- CP 56-8
CITY MONUMENT
STA. 807+92.33, 113.73' RT.
N. 1729098.250
E. 2300655.910
EL. 790.24'
- CP 5-50
CITY MONUMENT
STA. 811+35.59, 125.16' RT.
N. 1729427.430
E. 2300749.110
EL. 789.37'
- BC 001
FOUND BRASS CAP
STA. 831+30.79, 18.97' LT.
N. 1731416.994
E. 2300941.700
EL. 735.34'

NOTES:

1. BASIS OF BEARING IS THE IDAHO STATE PLANE COORDINATE SYSTEM, WEST ZONE 1103.
2. COORDINATES SHOWN ARE BASED ON MODIFIED IDAHO STATE PLANE, WEST ZONE 1103, NAD 83/1992 ADJUSTMENT, PROJECTED TO GROUND. ALL DISTANCES AND COORDINATES ARE IN FEET.
3. VERTICAL DATUM IS NAVD 88.
4. ALL ALIGNMENTS/CONTROL LINES SHOWN ON THIS SHEET ARE DEFINED ON THE PLAN SHEETS.
5. NO BENCHMARKS HAVE BEEN ESTABLISHED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ESTABLISH PROJECT BENCHMARKS AND SUBMIT SURVEY NOTES TO ITD FOR REVIEW.

MONUMENTS DISTURBED BY CONSTRUCTION ACTIVITIES:

ALL PROPERTY AND LAND CORNER MONUMENTS SHALL BE SAVED AND PROTECTED IN ACCORDANCE WITH IDAHO CODE 55-1613 AND 54-1234. MONUMENTS INCLUDE, BUT ARE NOT LIMITED TO, LAND AND PROPERTY CORNERS, PUBLIC LAND SURVEY CORNERS, SUBDIVISION, TRACT, OR OTHER LAND BOUNDARY CORNERS. WHEN SUCH MONUMENTS MAY BE DESTROYED BY CONSTRUCTION, THE MONUMENT SHALL BE REFERENCED UNDER THE DIRECTION OF AN IDAHO PROFESSIONAL LAND SURVEYOR PRIOR TO CONSTRUCTION. ALL SUCH MONUMENTS SHALL BE REESTABLISHED AFTER CONSTRUCTION BY AN IDAHO PROFESSIONAL LAND SURVEYOR AND CORNER RECORDS FILED PER IDAHO STATE CODE.



ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_pckp_001.sht DRAWING DATE: 17-SEP-2025
DESIGN CHECKED B. LISH	
DETAILED K. ARNZEN	
DRAWING CHECKED B. LISH	

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

PROJECT CONTROL SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 2 OF 103

\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

\$\$\$FILE\$\$\$

CLEARANCES

PROJECT STANDARDS
 CONCEPT APPROVAL AASHTO 3R 1R STATE
 PM OTHER _____
 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 _____

* CLEARED UNDER PROJECT NO.	* APPROVAL DATE
STP-7014(102)	05/10/06
N/A	
N/A	
N/A	
N/A	
A013(443)	01/08/08
A013(443)	06/21/16
N/A	
N/A	
A013(443)	06/09/2025
A013(443)	11/07/2025
N/A	
N/A	
STP-7014(102)	08/26/08
A013(443)	11/12/2025

- NOTES:
- CLASS A COMPACTION IS SPECIFIED
 - SMOOTHNESS SCHEDULE II IS SPECIFIED

ESTIMATING BASIS

PERMITS

IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S) _____
 US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) _____
 OTHER _____
 DEQ SECTION 401 WATER QUALITY CERTIFICATION YES NO
 NPDES GENERAL PERMIT/SWPPP REQUIRED: YES NO
 POLLUTION PREVENTION PLAN REQUIRED YES NO

* EXPIRATION DATE
N/A
N/A
N/A

FLEXIBLE PAVEMENT FOR ROADWAY:
 SUPERPAVE HOT MIX ASPHALT CLASS SP-3 PG 70-28 ASPHALT CEMENT SHOULD BE UTILIZED FOR SUPERPAVE HOT MIX ASPHALT CLASS SP-3 ESTIMATED AT 6.0 PERCENT BY WEIGHT OF MIX, PLUS 0.5% ANTI-STRIPPING ADDITIVE BY WEIGHT OF ASPHALT CEMENT. THE PLANT MIX SHALL BE PLACED IN TWO EQUAL LIFTS.

AGGREGATE:
 FLEXIBLE PAVEMENT
 1/2" AGGREGATE ESTIMATED AT 148 POUNDS PER CUBIC FOOT INCLUDING 6.0 PERCENT ASPHALT CEMENT WITH ADDITIVES.

BASE
 3/4" AGGREGATE TYPE B ESTIMATED AT 138 POUNDS PER CUBIC FOOT INCLUDING 7 PERCENT MOISTURE.

TACK COAT:
 CSS-1 OR CSS-1H DILUTED EMULSIFIED ASPHALT FOR TACK COAT AT 0.07 GAL/SY.

AGREEMENTS (List Appropriate Name)

LOCAL: CITY _____
 COUNTY _____
 HIGHWAY DISTRICT _____
 ROAD CLOSURE AND MAINTENANCE _____
 STATE/LOCAL CONSTRUCTION CITY OF LEWISTON

A013(443)	12/15/2025
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IRRIGATION DISTRICT(S): Crossing Agreement Required YES NO
 (Signatures Required on either Structure Drawing or Bridge Sheet)

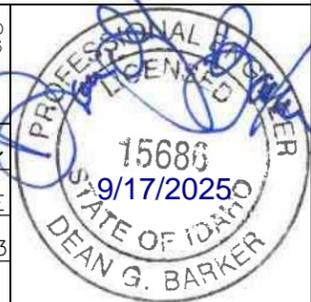
UTILITIES:	List all Utilities shown on plans	RETAIN & PROTECT	* APPROVAL DATES	* AGREEMENT NO.
Co.	AVISTA (GAS & ELECTRIC)	<input type="checkbox"/>	06/12/2025	
Co.	SPARKLIGHT	<input type="checkbox"/>	01/13/2025	
Co.	LUMEN	<input type="checkbox"/>	06/26/2025	
Co.	CITY OF LEWISTON	<input type="checkbox"/>	N/A	
Co.	PORT OF LEWISTON	<input type="checkbox"/>	10/31/2025	
Co.	_____	<input type="checkbox"/>		
Co.	_____	<input type="checkbox"/>		

RAILROAD List all Railroads encroached upon

* AGREEMENT FOR	EFFECTIVE DATE	NO.

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

ORIGINAL STORED AT: ITD, District 3
 8150 Chinden Boulevard, Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER
 CADD FILE NAME 13443_pcs_m_001.sht

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

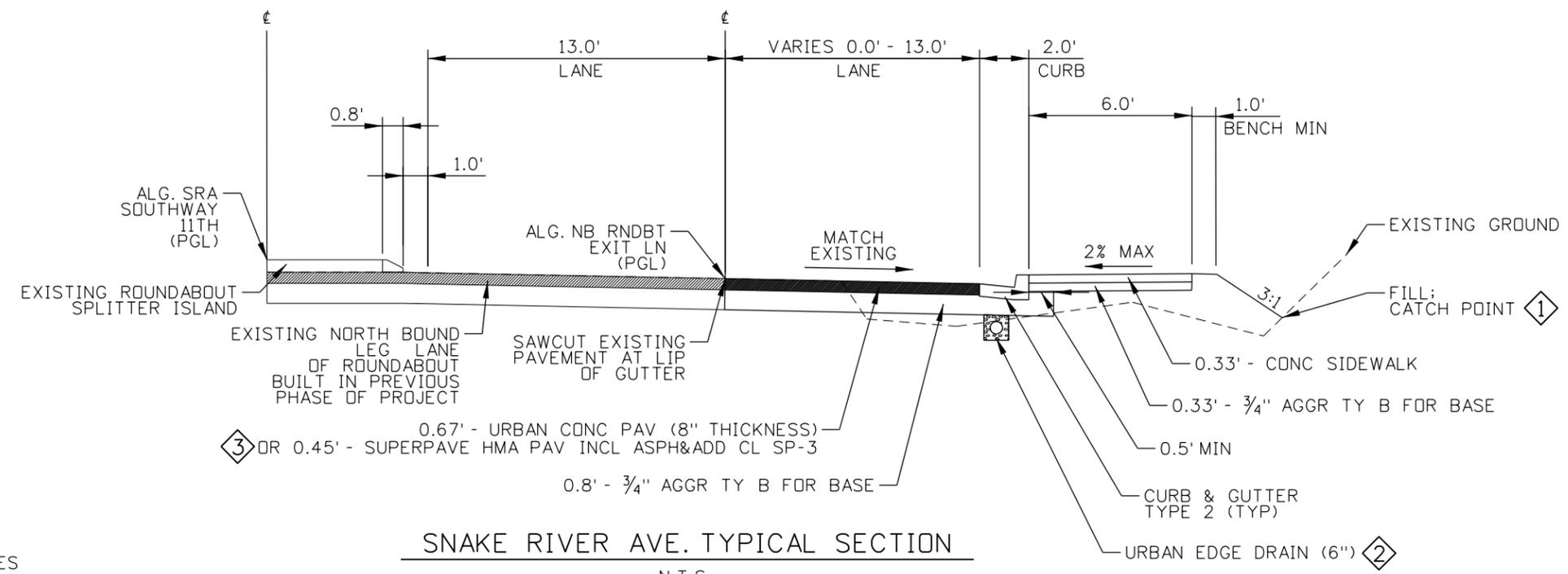
PROJECT NO.
 A013(443)

PROJECT CLEARANCE SUMMARY
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 3 OF 103

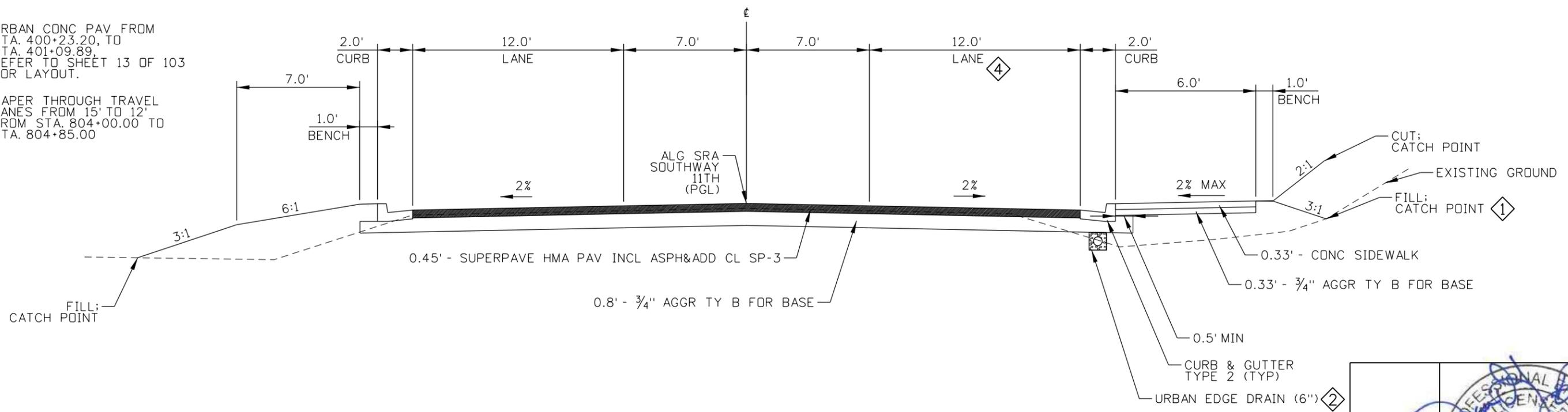
Snake River Ave., Typical Section

N.T.S.
 ALG SRA SOUTHWAY 11TH:
 STA. 800+56.67 TO STA. 804+00.00
 ALG NB RNDBT EXIT LN:
 STA. 400+23.20 TO STA. 403+91.00



Snake River Ave. Typical Section

N.T.S.
 ALG SRA SOUTHWAY 11TH:
 STA. 804+00.00 TO STA. 824+75.00



NOTES:

- 1 BLEND SIDESLOPE TO CATCH EXISTING BOTTOM OF DITCH. TOE OF FILL SLOPE TO BE AT BOTTOM OF EXISTING DITCH.
- 2 URBAN EDGE DRAIN (6") SYSTEM RANGES FROM STA 803+05 TO STA 822+52 REFER TO DRAINAGE PLANS AND DETAILS.
- 3 URBAN CONC PAV FROM STA. 400+23.20, TO STA. 401+09.89, REFER TO SHEET 13 OF 103 FOR LAYOUT.
- 4 TAPER THROUGH TRAVEL LANES FROM 15' TO 12' FROM STA. 804+00.00 TO STA. 804+85.00

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DRAWING CHECKED

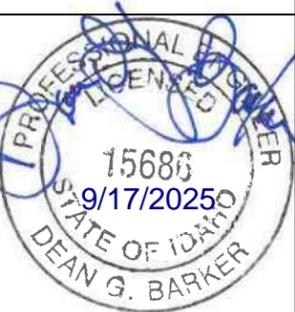
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 CADD FILE NAME 13443 typ_001.DGN
 DRAWING DATE: 17-SEP-2025

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

PROJECT NO. A013(443)

TYPICAL SHEETS
Snake River Ave Southway Br to 11th Ave

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 4 OF 103

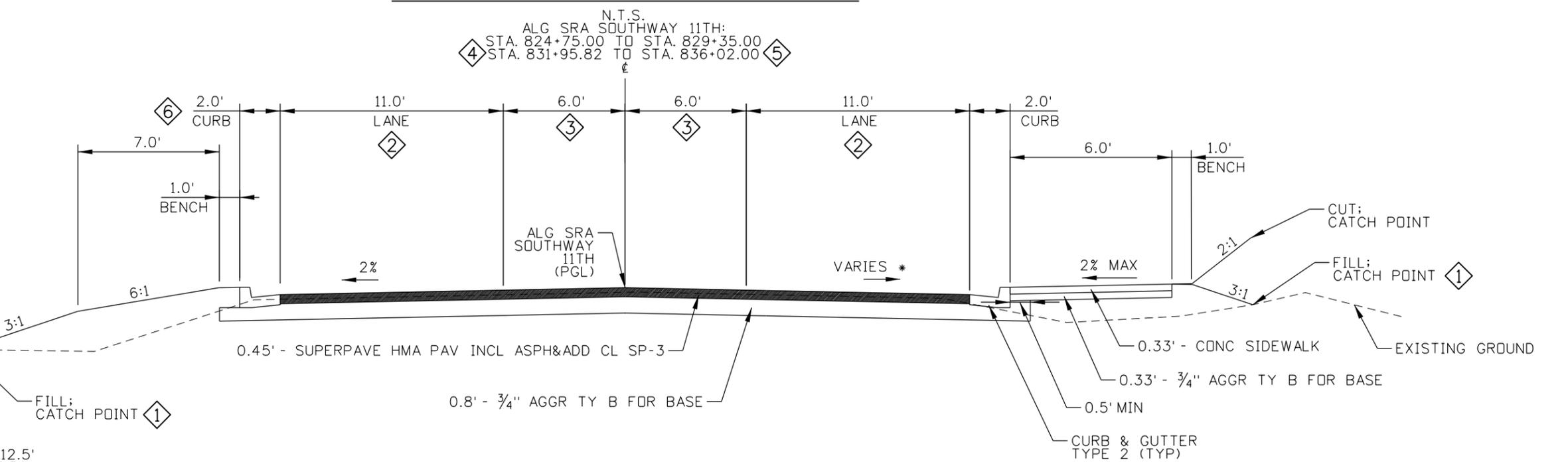


SNAKE RIVER AVE. TYPICAL SECTION

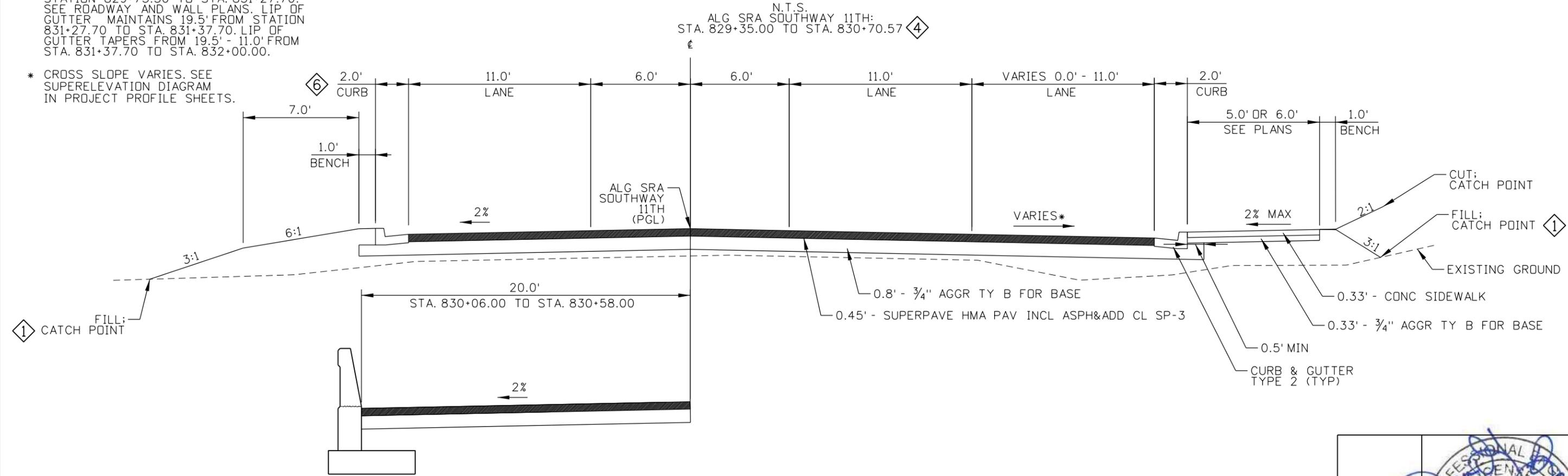
NOTES:

- ① BLEND SIDESLOPE TO CATCH EXISTING BOTTOM OF DITCH. TOE OF FILL SLOPE TO BE AT BOTTOM OF EXISTING DITCH.
- ② TAPER THROUGH TRAVEL LANES FROM 12' TO 11' FROM STA. 824+75.00 TO STA. 825+25.00. SEE ROADWAY PLAN SHEETS
- ③ TAPER MIDDLE TRAVEL LANE FROM 14' TO 12' FROM STA. 824+75.00 TO STA. 825+25.00. SEE ROADWAY PLAN SHEETS
- ④ INTERSECTION WITH 11TH AVE BETWEEN STA. 830+70.57 AND STA. 831+95.82. SEE ROADWAY PLAN AND PROFILE SHEETS. ROADWAY SECTION DEPTHS TO REMAIN THE SAME.
- ⑤ SIDEWALK AND CURB & GUTTER TERMINATE AT STA. 836+02.00. SEE ROADWAY PLAN FOR TRANSITION TO EXISTING. ROADWAY SECTION DEPTHS TO REMAIN THE SAME BETWEEN STA. 836+02.00 TO 837+00.00.
- ⑥ LIP OF GUTTER TAPERS FROM 11.0' - 12.5' FROM STA. 829+35.00 TO STA. 829+73.50. CURB AND GUTTER GETS OMITTED FROM STATION 829+73.50 TO STA. 831+27.70. SEE ROADWAY AND WALL PLANS. LIP OF GUTTER MAINTAINS 19.5' FROM STATION 831+27.70 TO STA. 831+37.70. LIP OF GUTTER TAPERS FROM 19.5' - 11.0' FROM STA. 831+37.70 TO STA. 832+00.00.

* CROSS SLOPE VARIES. SEE SUPERELEVATION DIAGRAM IN PROJECT PROFILE SHEETS.



SNAKE RIVER AVE. TYPICAL SECTION



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DRAWING CHECKED

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443 typ_002.DGN

DRAWING DATE:
17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety-YOUR Mobility-YOUR Economic Opportunity

Horrocks.

PROJECT NO.
A013(443)

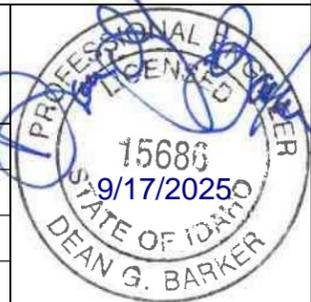
TYPICAL SHEETS
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY
NEZ PERCE

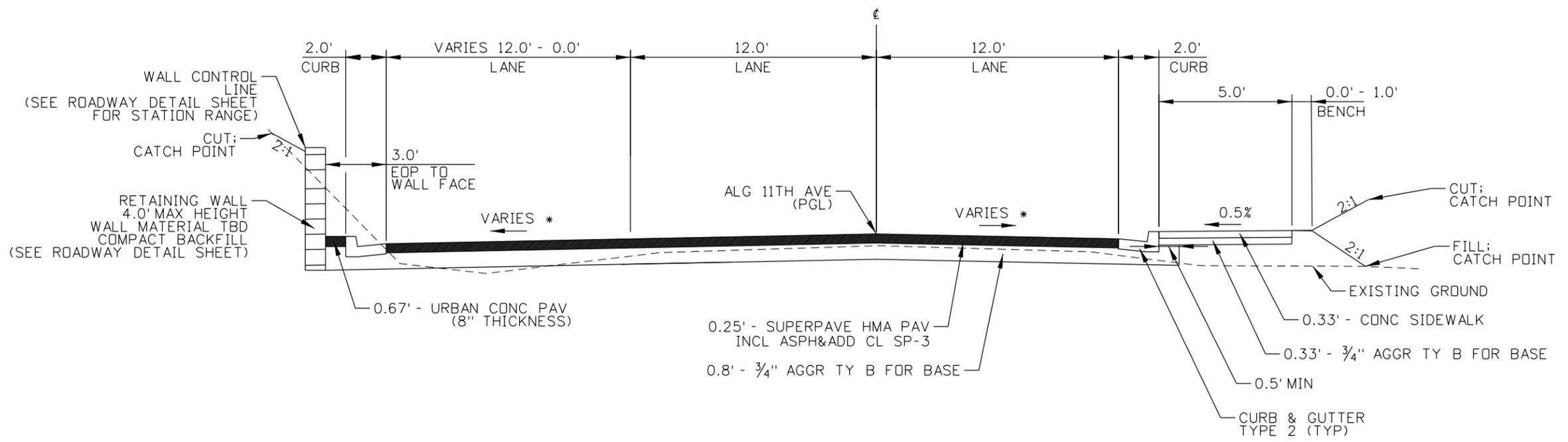
KEY NUMBER
13443

SHEET 5 OF 103



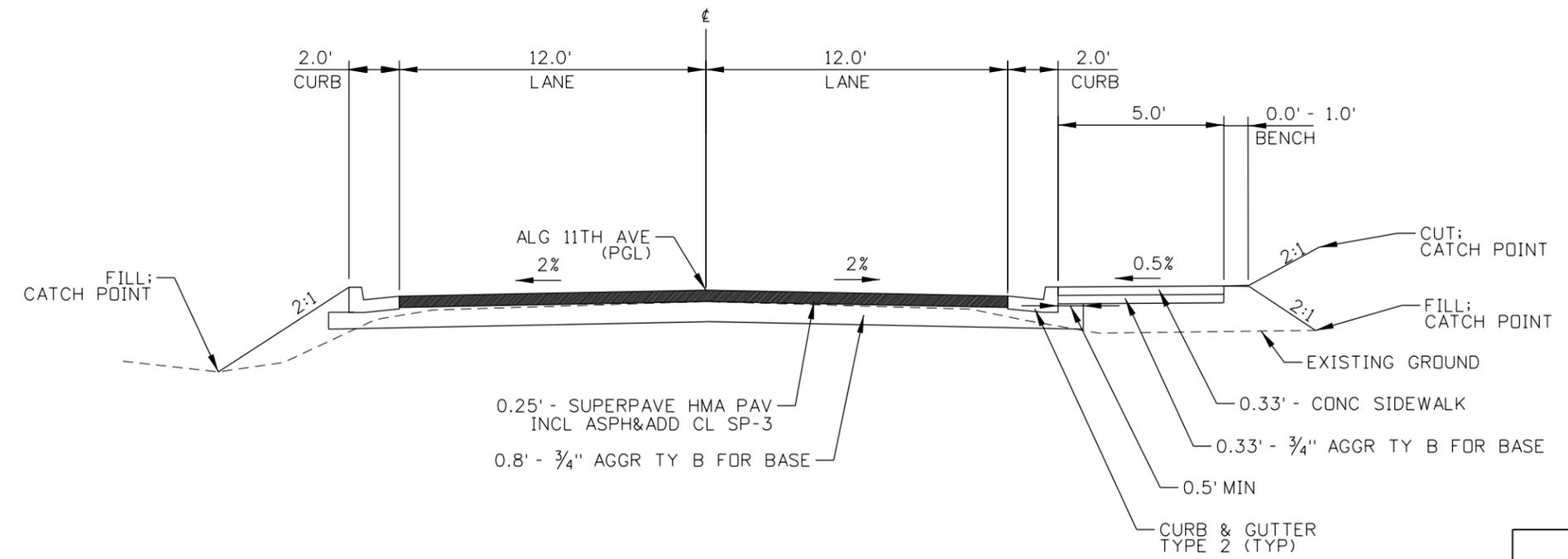
11TH AVE, TYPICAL SECTION

N.T.S.
 ALG 11TH AVE:
 STA. 900+66.96 TO STA. 901+62.79



11TH AVE, TYPICAL SECTION

N.T.S.
 ALG 11TH AVE:
 STA. 901+62.79 TO STA. 903+08.00



NOTES:

- ① INTERSECTION WITH SNAKE RIVER AVENUE BETWEEN STA. 900+00.00 TO STA. 900+66.96 LT. / 900+61.50 RT. SEE ROADWAY PLAN AND PROFILE SHEETS. ROADWAY SECTION DEPTHS VARY SEE TYPICAL SECTIONS.
- * CROSS SLOPE VARIES. SEE SUPERELEVATION DIAGRAM IN PROJECT PROFILE SHEETS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DRAWING CHECKED

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443 typ_003.DGN
DRAWING DATE: 17-SEP-2025

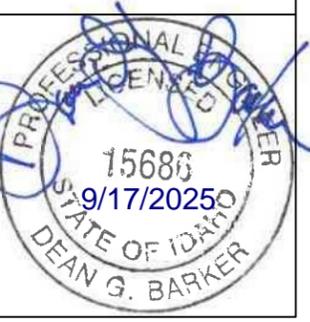
IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

Horrocks.

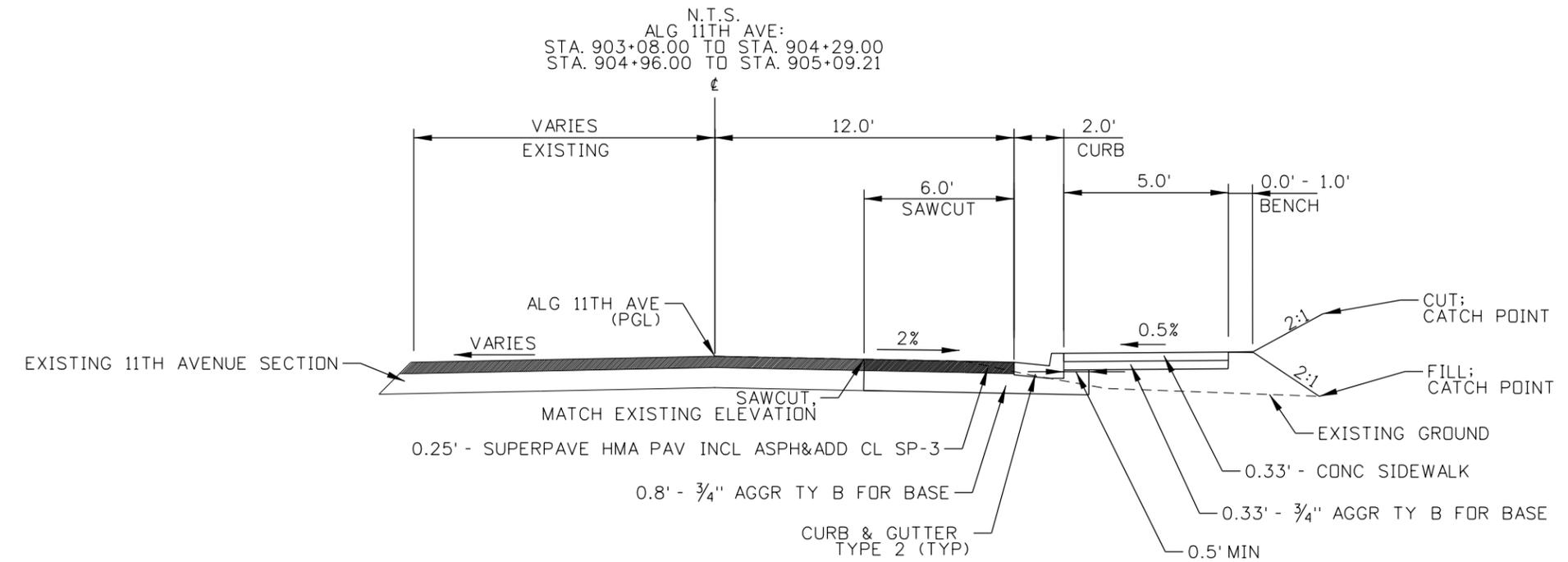
PROJECT NO.	A013(443)
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TYPICAL SHEETS	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE
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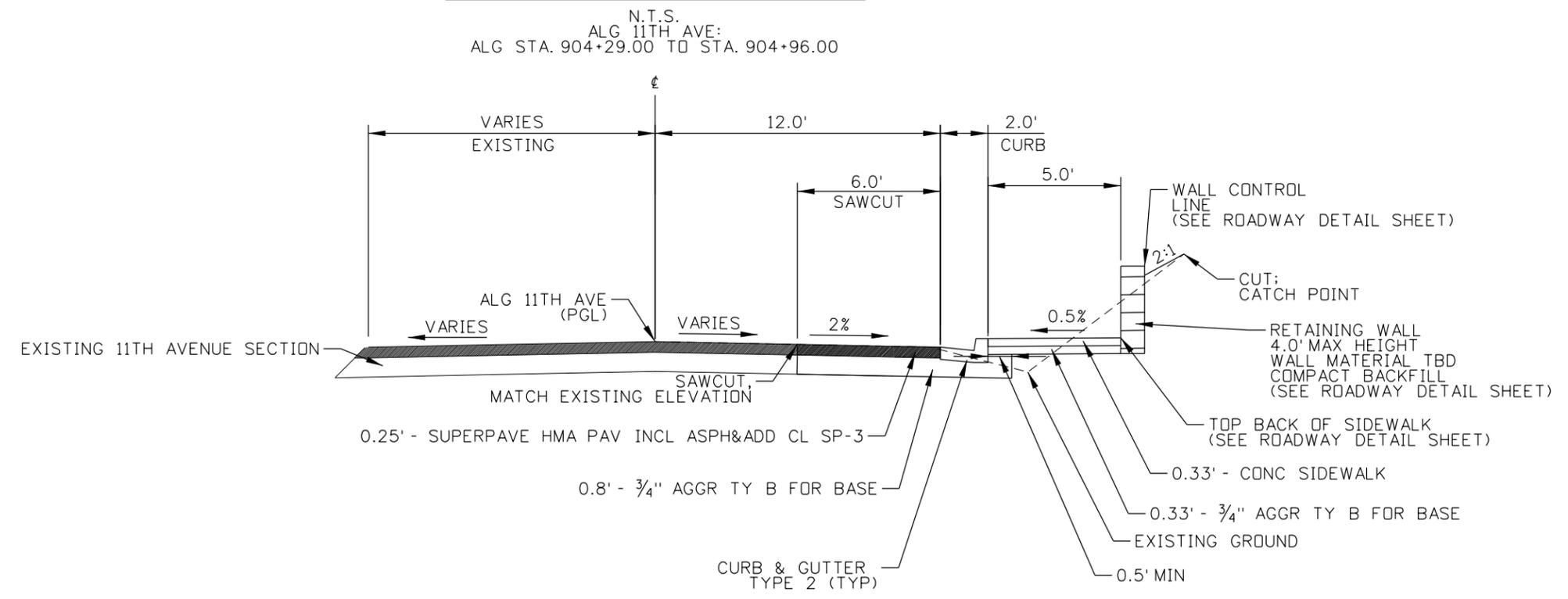
ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 6 OF 103



11TH AVE, TYPICAL SECTION



11TH AVE, TYPICAL SECTION



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DRAWING CHECKED

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 13443 typ_004.DGN

DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO. A013(443)

TYPICAL SHEETS

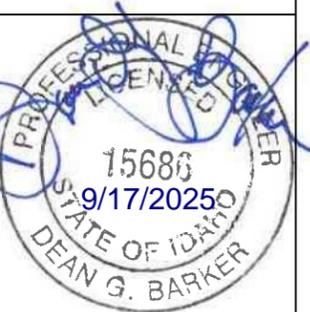
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

ENGLISH

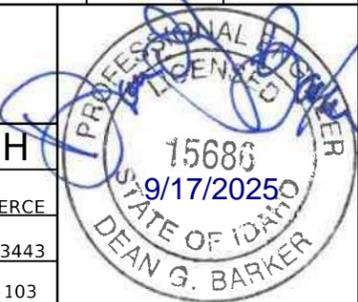
COUNTY NEZ PERCE

KEY NUMBER 13443

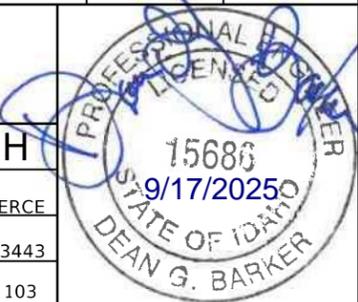
SHEET 7 OF 103



SHEET NUMBER				13-31	34-42	43-61	68	70-78	81-93	1-4				
STATION - STATION														
ITEM NO.	ITEM	UNIT	TOTAL	ROADWAY	SWPPP	DRAINAGE	TRAFFIC SIGNAL	SIGNING & P.M.	TRAFFIC CONTROL	STRUCTURE PLANS				
107-019A	SURVEY MONUMENT PRESERVATION	CA	30,000											
201-005A	CLEARING & GRUBBING	ACRE	2.5	2.5										
202-005A	SELECTIVE REMOVAL OF TREES INCLUDING STUMPS	EACH	5	5										
203-002A	REMOVAL OF OBSTRUCTIONS (TRAFFIC CABINET)	EACH	1	1										
203-003A	REMOVAL OF OBSTRUCTIONS (PIPE)	FT	857			857								
203-006A	REMOVAL OF SIGN	EACH	13	13										
203-015A	REMOVAL OF BITUMINOUS SURFACE	SY	14,760	14,760										
203-060A	REMOVAL OF CONCRETE SIDEWALK	SY	91	91										
203-070A	REMOVAL OF CURB & GUTTER	FT	367	367										
203-075A	REMOVAL OF FENCE	FT	139	139										
203-090A	REMOVAL OF INLET	EACH	7			7								
203-095A	REMOVAL OF MANHOLE	EACH	3			3								
205-005A	EXCAVATION	CY	3,089											
205-030A	BORROW	CY	3,769											
205-060A	WATER FOR DUST ABATEMENT	MG	650											
205-095A	SOFT SPOT REPAIR	CA	10,000											
210-010A	STRUCTURE EXCAVATION SCHEDULE NO. 2	CY	52							52				
210-015A	COMPACT BACKFILL	CY	35							35				
212-011A	FIBER WATTLE	FT	2,062		2,062									
212-020A	SILT FENCE	FT	1,549		1,549									
212-060A	STABILIZED CONSTRUCTION ENTRANCE	EACH	3											
212-095A	INLET PROTECTION	EACH	34		34									
212-105A	WATER AND POLLUTION	CA	3,000											
213-005A	TOPSOIL	CY	1,261		1,261									
301-010A	GRANULAR SUBBASE	CY	35							35				
303-022A	3/4" AGGREGATE TYPE B FOR BASE	TON	10,680	10680										
303-052A	3/4" AGGREGATE TYPE B FOR BASE	CY	10							10				
401-020A	CSS-1 DILUTED EMULSIFIED ASPHALT FOR TACK COAT	GAL	540	540										
405-240A	MISCELLANEOUS PAVEMENT	SY	430	430										
405-245A	APPRDACH	EACH	18	18										
405-435A	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES CLASS SP-3 (NMA5 1/2", PG 70-28)	TON	4,890	4,890										
411-005A	URBAN CONCRETE PAVEMENT (8" THICKNESS)	SY	45	45										
502-025A	CONCRETE CLASS 40-A	CY	21.6							21.6				
502-430A	CONCRETE PARAPET (42" SINGLE SLOPE)	FT	52.0							52.0				
503-005A	METAL REINFORCEMENT	LB	2962							2962				
503-020A	EPOXY COATED METAL REINFORCEMENT	LB	675							675				

REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	DATE	BY	DESCRIPTION																	DESIGNED DESIGN CHECKED DETAILED DRAWING CHECKED		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_rssm_001.DGN DRAWING DATE: September 17, 2025		IDAHO TRANSPORTATION DEPARTMENT YOUR Safety→YOUR Mobility→YOUR Economic Opportunity 		PROJECT NO. A013(443)		ROADWAY SUMMARY SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE			ENGLISH COUNTY NEZ PERCE KEY NUMBER 13443 SHEET 8 OF 103			
NO.	DATE	BY	DESCRIPTION																																			

SHEET NUMBER				13-31	34-42	43-61	68	70-78	81-93	1-4				
STATION - STATION														
ITEM NO.	ITEM	UNIT	TOTAL	ROADWAY	SWPPP	DRAINAGE	TRAFFIC SIGNAL	SIGNING & P.M.	TRAFFIC CONTROL	STRUCTURE PLANS				
605-025A	12" STORM SEWER PIPE	FT	166			166								
605-035A	18" STORM SEWER PIPE	FT	2,281			2,281								
605-045A	24" STORM SEWER PIPE	FT	1,540			1,540								
605-455A	MANHOLE TYPE A	EACH	15			15								
605-465A	MANHOLE TYPE C	EACH	3			3								
605-467A	MANHOLE TYPE D	EACH	3			3								
605-605A	INLET TYPE 1	EACH	26			26								
605-615A	INLET TYPE 3	EACH	1			1								
605-630A	INLET TYPE 8	EACH	5			5								
605-635A	ADJUST MANHOLE COVERS	EACH	9	9										
605-640A	ADJUST VALVE COVERS	EACH	13	13										
606-115A	URBAN EDGE DRAIN (6")	FT	1,934			1,934								
610-035A	FENCE TYPE 4 (4' W/TOP RAIL)	FT	112	112										
610-300A	TEMPORARY FENCE (TYPE 4, 8')	FT	1,527											
612-010A	CONCRETE BARRIER TRANSITION	EACH	2	2										
612-150A	PRECAST CONCRETE BARRIER	FT	37.5	37.5										
612-156A	CONCRETE TERMINAL TYPE B	EACH	2	2										
614-015A	SIDEWALK	SY	2,386	2,386										
614-020A	DRIVEWAY	SY	697	697										
614-025A	CURB RAMP	SY	69	69										
615-492A	CURB & GUTTER TYPE 2	FT	7,490	7,490										
616-010A	SIGN TYPE B-1	SF	129.1					135.5						
616-040G	STEEL SIGN POST TYPE B-2	FT	51.5											
616-040J	STEEL SIGN POST TYPE E-1	FT	24.0											
616-040K	STEEL SIGN POST TYPE E-2	FT	128.5											
616-055D	WOOD SIGN POST TYPE D-4	FT	36											
616-080A	REINSTALL SIGN FACE (TYPE E)	EACH	2											
616-100A	SIGN BRACES	LB	95.4					37.94						
618-025A	STREET MONUMENT	EACH	1	1										
621-001A	SEED	ACRE	1.70		1.70									
621-005A	SEED BED PREPARATION	ACRE	1.70		1.70									
621-010A	SEEDING	ACRE	1.70		1.70									
621-035A	FERTILIZING	ACRE	1.70		1.70									
621-060A	MULCH PLUS TACKIFIER	ACRE	1.70		1.70									
621-075A	ROLLED EROSION CONTROL PRODUCTS	SY	473		473									
624-005A	LOOSE RIPRAP (CLASS I)	CY	24			24								
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	804						804					
626-050A	DRUMS	EACH	50						50					
626-040A	BARRICADE TYPE 3	EACH	8						8					
626-100A	MISCELLANOUS TEMPORARY TRAFFIC CONTROL ITEMS	CA	10,000											
626-105A	TRAFFIC CONTROL MAINTENANCE	HR	450						450					

REVISIONS NO. DATE BY DESCRIPTION				DESIGNED DESIGN CHECKED DETAILED DRAWING CHECKED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_rssm_002.DGN DRAWING DATE: September 17, 2025	IDAHO TRANSPORTATION DEPARTMENT YOUR Safety→YOUR Mobility→YOUR Economic Opportunity 	PROJECT NO. A013(443)	ROADWAY SUMMARY SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE	ENGLISH COUNTY NEZ PERCE KEY NUMBER 13443 SHEET 9 OF 103	
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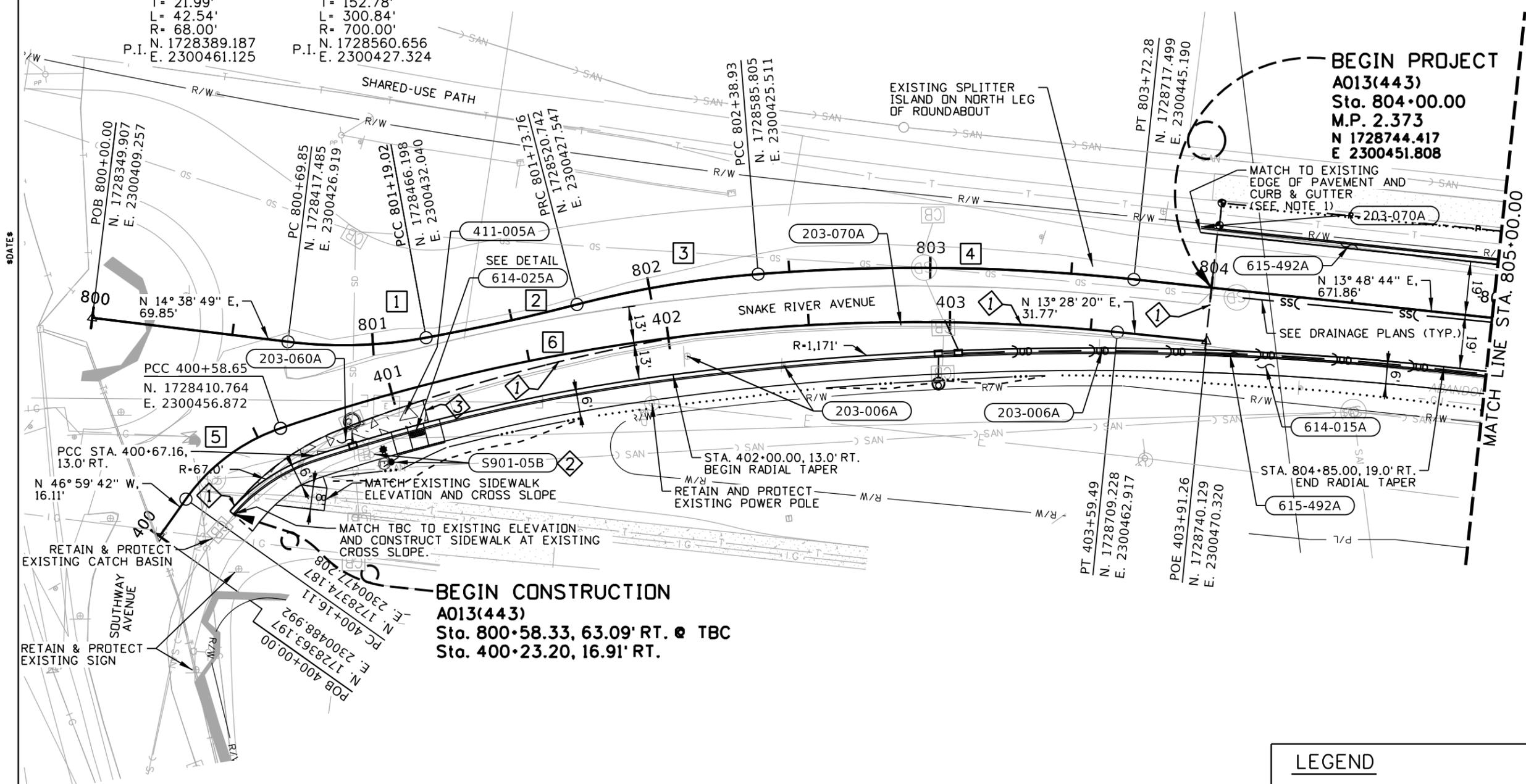
SHEET NUMBER				13-31	34-42	43-61	68	70-78	81-93	1-4				
STATION - STATION														
ITEM NO.	ITEM	UNIT	TOTAL	ROADWAY	SWPPP	DRAINAGE	TRAFFIC SIGNAL	SIGNING & P.M.	TRAFFIC CONTROL	STRUCTURE PLANS				
626-112B	FLOOD LIGHTS	DAY	125						125					
626-120A	FLAGGER CONTROL	HR	1,000						1,000					
626-135A	WEIGHTED BASE TUBULAR MARKERS	EACH	150						150					
630-010A	TRANSVERSE, WORD, SYMBOL AND ARROW PAVEMENT MARKING - PREFORMED THERMOPLASTIC	SF	675											
630-025A	LONGITUDINAL PAVEMENT MARKINGS - WATERBORNE	FT	9,600											
634-005A	MAILBOX	EACH	1	1										
640-010A	RIPRAP/EROSION CONTROL GEOTEXTILE (TYPE II)	SY	93			93								
656-070A	ADDITIONAL ELECTRICAL ITEMS	LS	1				1							
675-005A	SURVEY	LS	1											
675-010A	DIRECTED SURVEYING	CA	5,000											
S501-15A	RETAINING WALL	SF	605	605										
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	CA	20,000											
S901-05A	SP REMOVE & RESET SIGN (CITY PARK SIGN)	EACH	1	1										
S901-05B	SP REM & RESET LUMINAIRE, LUMINAIRE POLE AND JUNCTION BOX	EACH	1	1										
S901-05C	SP REMOVE & RESET FIRE HYDRANT	EACH	3	3										
Z629-05A	MOBILIZATION	LS	1											

REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	DATE	BY	DESCRIPTION																	DESIGNED DESIGN CHECKED DETAILED DRAWING CHECKED		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_rssm_003.DGN DRAWING DATE: 17-SEP-2025		 IDAHO TRANSPORTATION DEPARTMENT YOUR Safety→YOUR Mobility→YOUR Economic Opportunity 		PROJECT NO. A013(443)		ROADWAY SUMMARY SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE			ENGLISH COUNTY NEZ PERCE KEY NUMBER 13443 SHEET 10 OF 103			
NO.	DATE	BY	DESCRIPTION																																			

T.35N., R.6W., B.M.

Cv. No. 1 D= 35° 10'09" Δ= 17° 17'32" Lt. T= 24.77' L= 49.17' R= 162.92' P.I. N. 1728441.452 E. 2300433.183	Cv. No. 2 D= 07° 32'20" Δ= 04° 07'37" Lt. T= 27.38' L= 54.74' R= 760.00' P.I. N. 1728493.551 E. 2300430.776	Cv. No. 3 D= 15° 16'44" Δ= 09° 57'29" Rt. T= 32.67' L= 65.18' R= 375.00' P.I. N. 1728553.185 E. 2300423.695	Cv. No. 4 D= 07° 58'08" Δ= 10° 37'34" Rt. T= 66.87' L= 133.35' R= 719.00' P.I. N. 1728652.567 E. 2300429.227
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Cv. No. 5 D= 84° 15'31" Δ= 35° 50'36" Rt. T= 21.99' L= 42.54' R= 68.00' P.I. N. 1728389.187 E. 2300461.125	Cv. No. 6 D= 08° 11'06" Δ= 24° 37'25" Rt. T= 152.78' L= 300.84' R= 700.00' P.I. N. 1728560.656 E. 2300427.324
--	---



- 203-006A** REMOVAL OF SIGN
1 EACH STA. 402+05.92, 7.2' RT.
1 EACH STA. 402+40.11, 13.6' RT.
1 EACH STA. 403+54.79, 6.8' RT.
- 203-060A** REMOVAL OF CONCRETE SIDEWALK
91 SY STA. 400+23.20, RT. TO STA. 401+19.96, RT.
- 203-070A** REMOVAL OF CURB & GUTTER
361 FT STA. 400+23.20, RT. TO STA. 403+91.26, RT.
6 FT STA. 803+94.00, LT. TO STA. 804+00.00, LT.
- 411-005A** URBAN CONCRETE PAVEMENT (8" THICKNESS)
38 SY STA. 400+23.20, 14.9 RT. TO STA. 401+10.00, 5.1 RT.
- 614-015A** SIDEWALK
318 SY STA. 400+23.20, RT. TO STA. 805+00.00, RT.
- 614-025A** CURB RAMP
13 SY STA. 401+05.00, 15.0' RT.
- 615-492A** CURB & GUTTER TYPE 2
455 FT STA. 400+23.20, RT. TO STA. 805+00.00, RT.
106 FT STA. 803+94.00, LT. TO STA. 805+00.00, LT.
- S901-05B** REM & RESET LUMINAIRE, LUMINAIRE POLE AND JUNCTION BOX
1 EACH STA. 400+91.93, 24.1' RT.

- NOTES:**
- AT STA. 804+00.00 MATCH EXISTING CROWN, CROSS SLOPE, AND ELEVATION.
 - SAWCUT EXISTING PAVEMENT ALONG EXISTING LIP OF GUTTER. COST IS INCIDENTAL TO ITEM 205-005A EXCAVATION. MATCH EXISTING ELEVATION AND CROSS SLOPE.
 - THE EXISTING LUMINAIRE POLE IS ON CIRCUIT #1 AT A 30 FT. MOUNTING HEIGHT WITH A 10 FT. MAST ARM ON A TYPE B FOUNDATION. POWER SOURCE IS A TYPE 1, 120/240V SERVICE PEDESTAL LOCATED AT SOUTHEAST CORNER OF THE ROUNDABOUT INTERSECTION. PREVENT CONFLICTS WITH SANITARY SEWER LINE BELOW.
 - PRODUCE A PAVEMENT JOINT PLAN AND SUBMIT TO THE ENGINEER PRIOR TO WORK BEGINNING. PROPOSED JOINTS ARE TO LINE UP WITH EXISTING JOINTS. INCIDENTAL TO 411-005A URBAN CONCRETE PAVEMENT.

LEGEND

-----	CUT; CATCH POINT
.....	FILL; CATCH POINT
.....	BOTTOM OF DITCH



REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	CADD FILE NAME 13443_Plan_001.DGN
DETAILED K. ARNZEN	DRAWING DATE: September 17, 2025
DRAWING CHECKED D. BARKER	

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

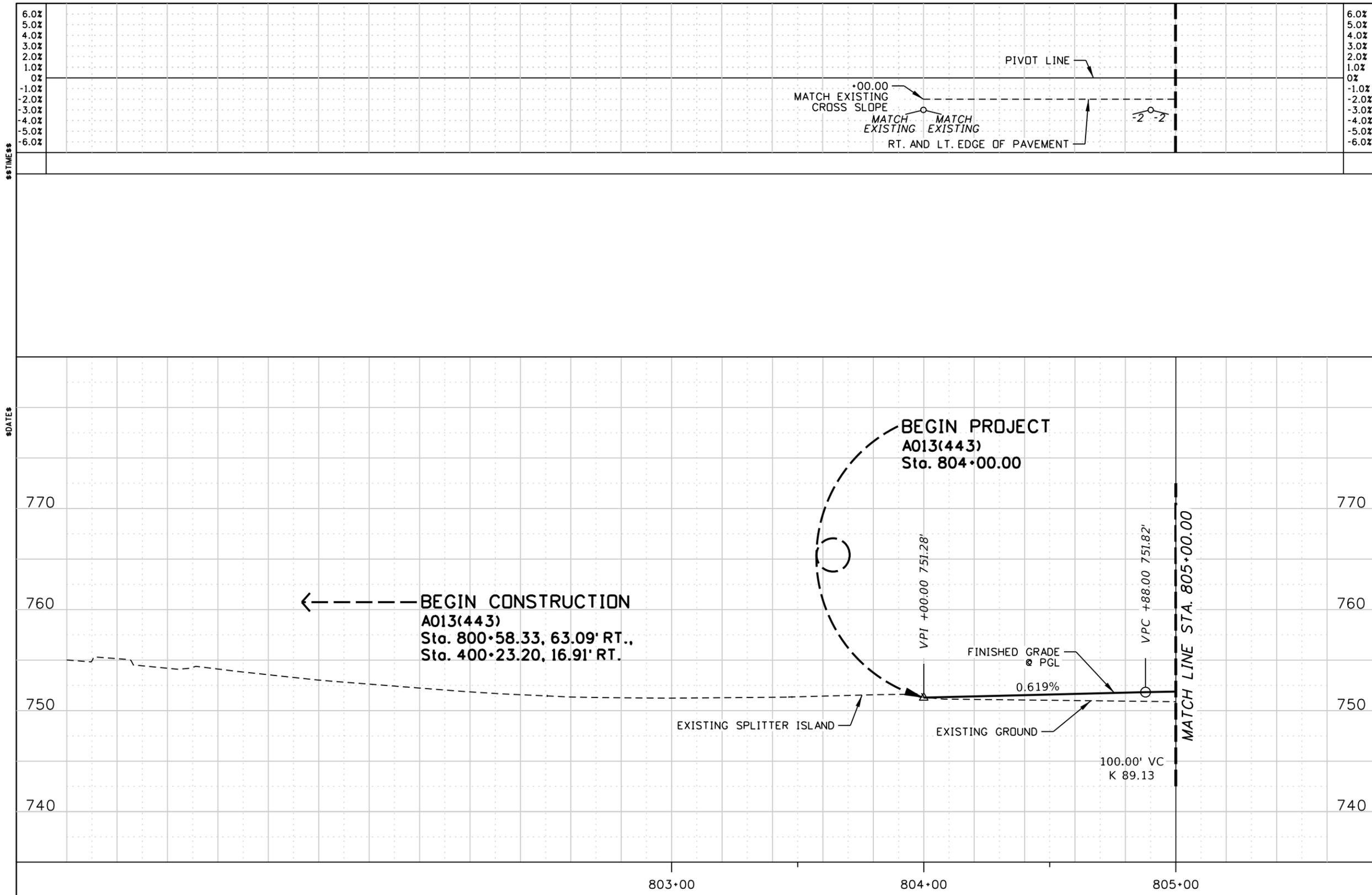
PROJECT NO. A013(443)

ROADWAY PLAN SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE STA. 800+00.00 TO STA. 805+00.00
--

English

COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 13 OF 103





NOTES:
 1. EXC. & EMB. ON THIS SHEET INCLUDES WORK STARTING AT BEGINNING OF CONSTRUCTION

EXC. 437 CY
 EMB. 63 CY
 RDWY. 100 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO.
 A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 803+00.00 TO STA. 805+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 14 OF 103



T.35N., R.6W., B.M.

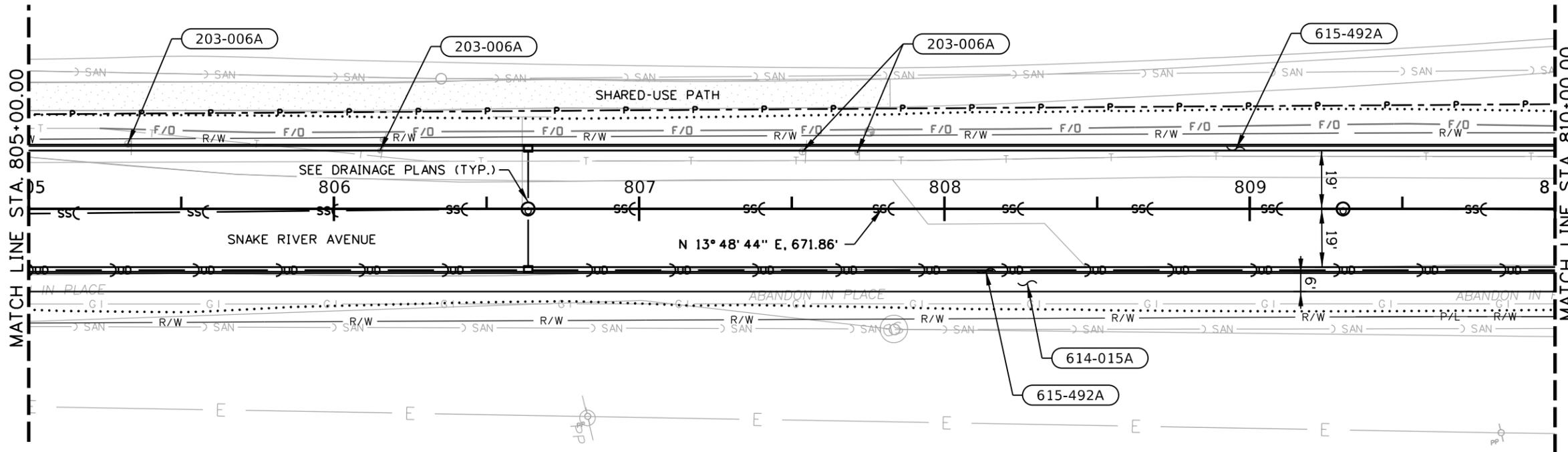


- 203-006A** REMOVAL OF SIGN
 - 1 EACH STA. 805+32.53, 21.3' LT.
 - 1 EACH STA. 806+15.06, 19.0' LT.
 - 1 EACH STA. 807+53.49, 18.7' LT.
 - 1 EACH STA. 807+71.43, 18.3' LT.
- 614-015A** SIDEWALK
 - 334 SY STA. 805+00.00, RT. TO STA. 810+00.00, RT.
- 615-492A** CURB & GUTTER TYPE 2
 - 1,000 FT STA. 805+00.00, RT. & LT. TO STA. 810+00.00, RT. & LT.

\$\$TIME\$\$

\$DATES

\$\$FILES\$\$



- NOTES:**
1. GAS LINE PREVIOUSLY ABANDONED IN PLACE. CONTACT AVISTA IF CONFLICTS OCCUR.

LEGEND	
-----	CUT; CATCH POINT
.....	FILL; CATCH POINT
-----	BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Plan_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



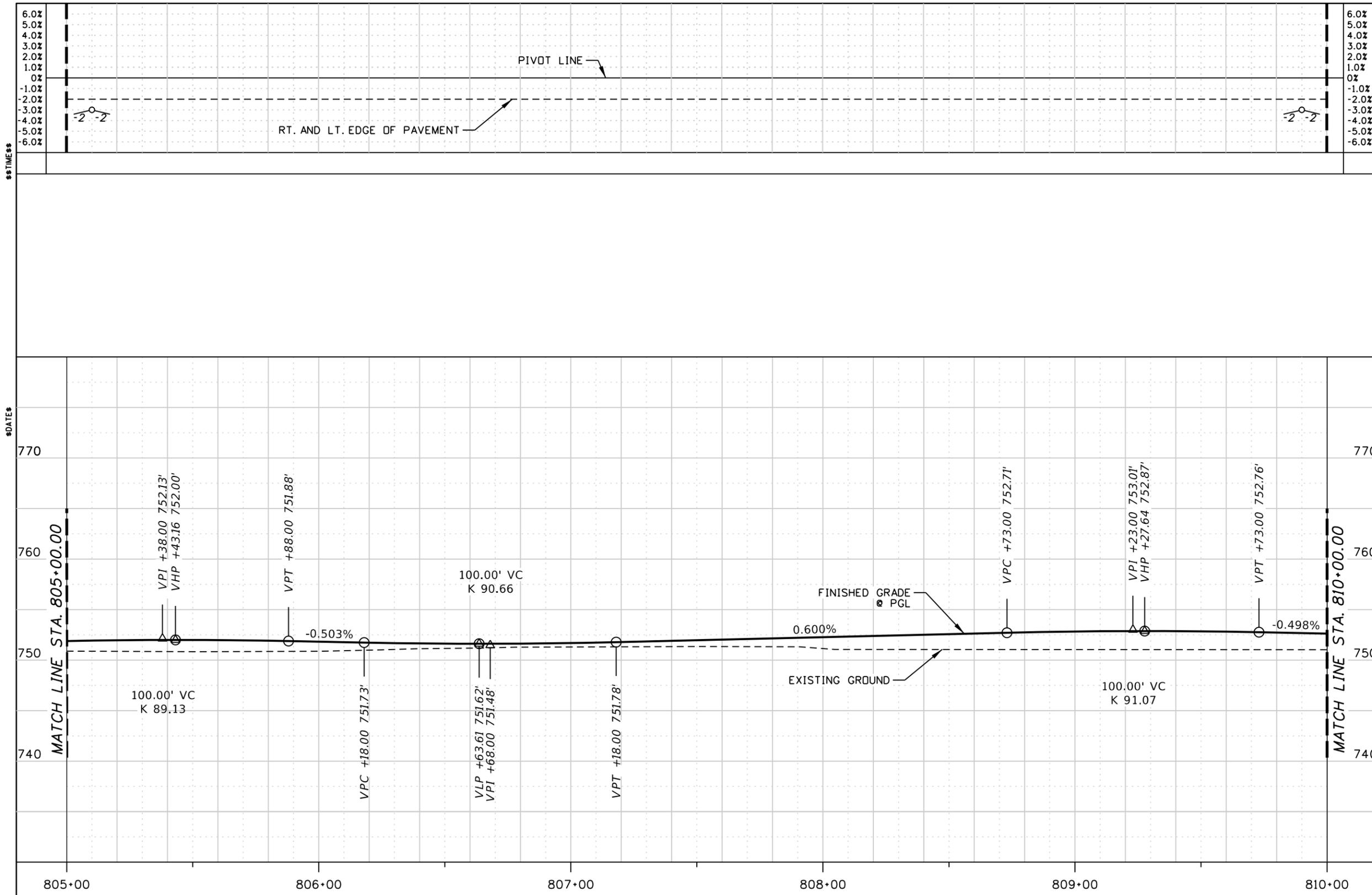
Horrocks.

PROJECT NO.
 A013(443)

ROADWAY PLAN SHEET
Snake River Ave
 Southway BR to 11th Ave
 STA. 805+00.00 TO STA. 810+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 15 OF 103





EXC. 274 CY
 EMB. 503 CY
 RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
 DESIGN CHECKED
D. BARKER
 DETAILED
K. ARNZEN
 DRAWING CHECKED
D. BARKER

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
 CADD FILE NAME
13443_Prof_001.DGN
 DRAWING DATE:
September 17, 2025

**IDAHO
 TRANSPORTATION
 DEPARTMENT**



Horrocks.

PROJECT NO.

 A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 805+00.00 TO STA. 810+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 16 OF 103



T.35N., R.6W., B.M.

Cv. No. **7**
 D= 00° 40' 27"
 Δ= 04° 48' 32" Rt.
 T= 356.92'
 L= 713.43'
 R= 8500.00'
 N. 1729716.534
 P.I. E. 2300690.804

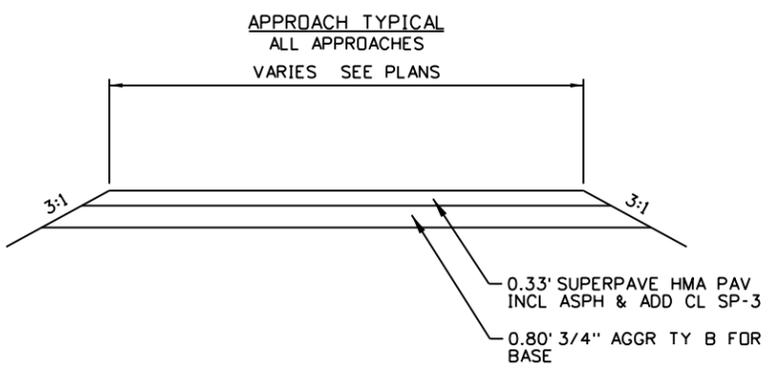
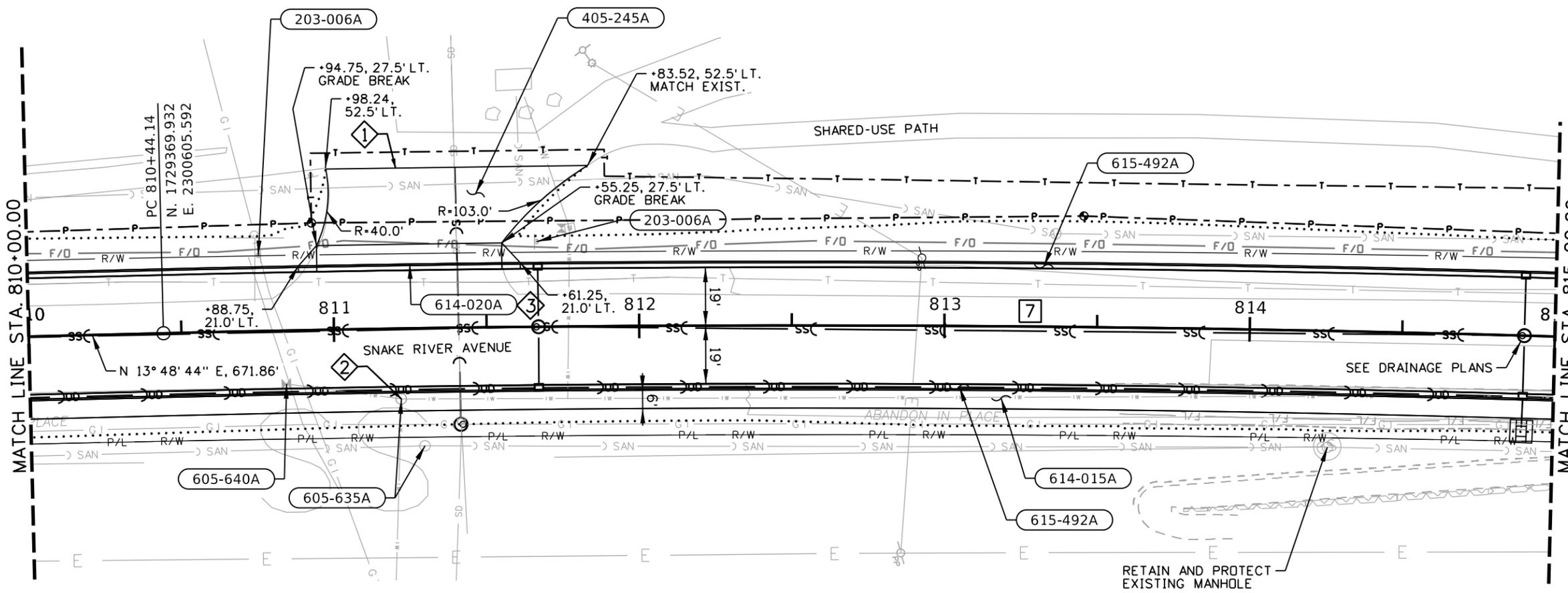


- (203-006A) REMOVAL OF SIGN
 1 EACH STA. 810+75.73, 24.7' LT.
 1 EACH STA. 811+66.70, 27.8' LT.
- (405-245A) APPROACH
 1 EACH STA. 811+25.00, LT.
- (605-635A) ADJUST MANHOLE COVERS
 1 EACH STA. 811+21.74, 23.0' RT.
 1 EACH STA. 811+29.28, 38.4' RT.
- (605-640A) ADJUST VALVE COVERS
 1 EACH STA. 810+84.00, 17.4' RT.
- (614-015A) SIDEWALK
 334 SY STA. 810+00.00, RT. TO
 STA. 815+00.00, RT.
- (614-020A) DRIVEWAY
 48 SY STA. 811+25.00, 21.0' LT.
 WIDTH = 60.5'
- (615-492A) CURB & GUTTER TYPE 2
 1,000 FT STA. 810+00.00, RT. & LT. TO
 STA. 815+00.00, RT. & LT.

\$\$TIME\$\$

\$\$DATE\$\$

\$\$FILE\$\$



LEGEND	
-----	CUT; CATCH POINT
.....	FILL; CATCH POINT
-----	BOTTOM OF DITCH

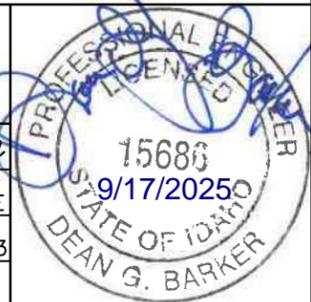
- NOTES:**
- 1 SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - 2 PRV VAULT APPROX. 3' FROM EXISTING EOP. FIELD VERIFY LID WILL NOT CONFLICT WITH CURB. ADJUST AS NEEDED.
 - 3 DRIVEWAY SLOPES DOWN TO BACK OF CURB AT -1.0%
1. GAS LINE PREVIOUSLY ABANDONED IN PLACE. CONTACT AVISTA IF CONFLICTS OCCUR.

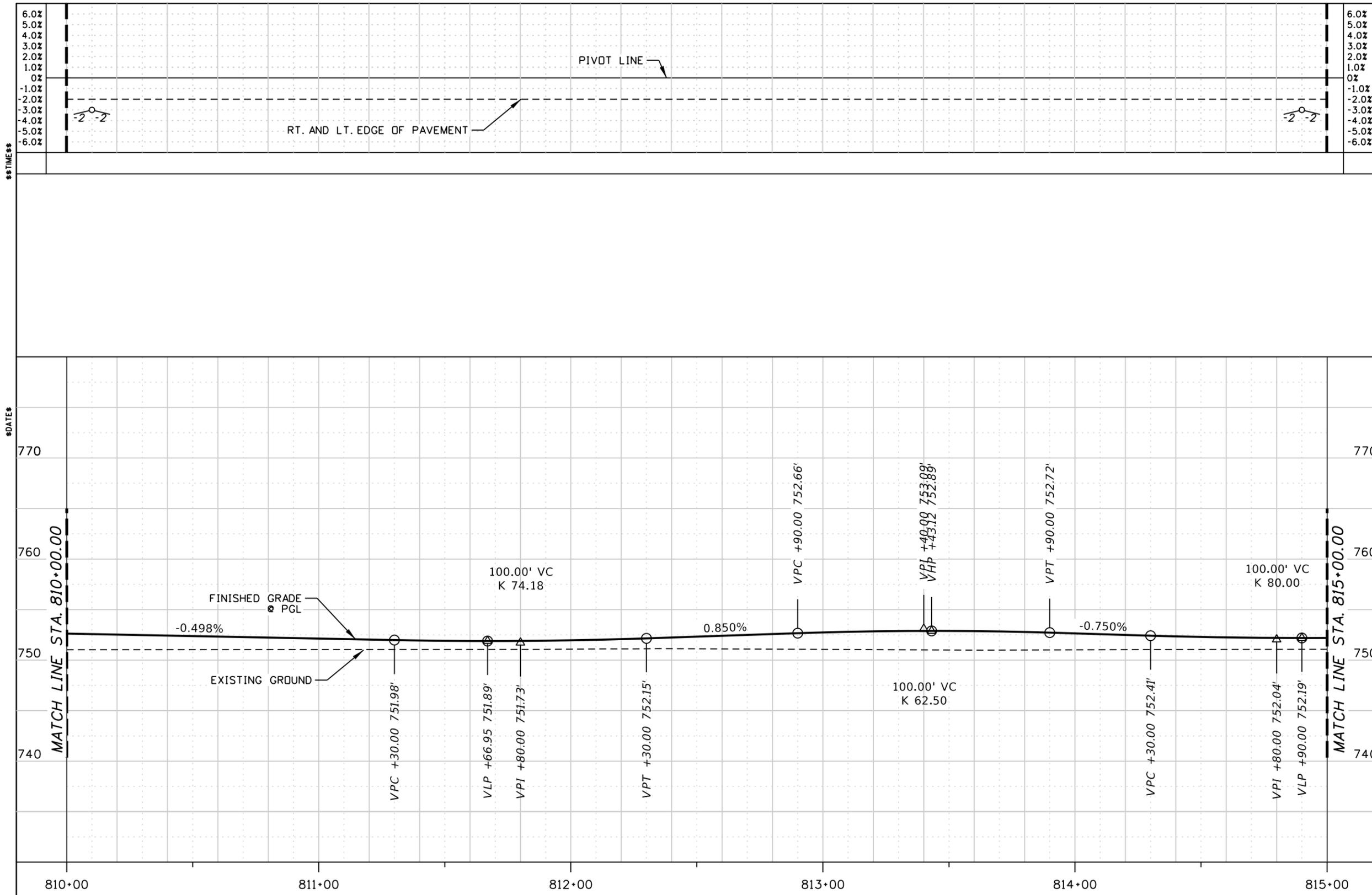
REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT
DESIGN CHECKED D. BARKER		
DETAILED K. ARNZEN	CADD FILE NAME 13443_Plan_001.DGN	
DRAWING CHECKED D. BARKER	DRAWING DATE: September 17, 2025	

PROJECT NO. A013(443)	ROADWAY PLAN SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE STA. 810+00.00 TO STA. 815+00.00
------------------------------	--

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 17 OF 103





EXC. 125 CY
 EMB. 687 CY
 RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
 DESIGN CHECKED
D. BARKER
 DETAILED
K. ARNZEN
 DRAWING CHECKED
D. BARKER

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
 CADD FILE NAME
13443_Prof_001.DGN
 DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO.
A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 810+00.00 TO STA. 815+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 18 OF 103



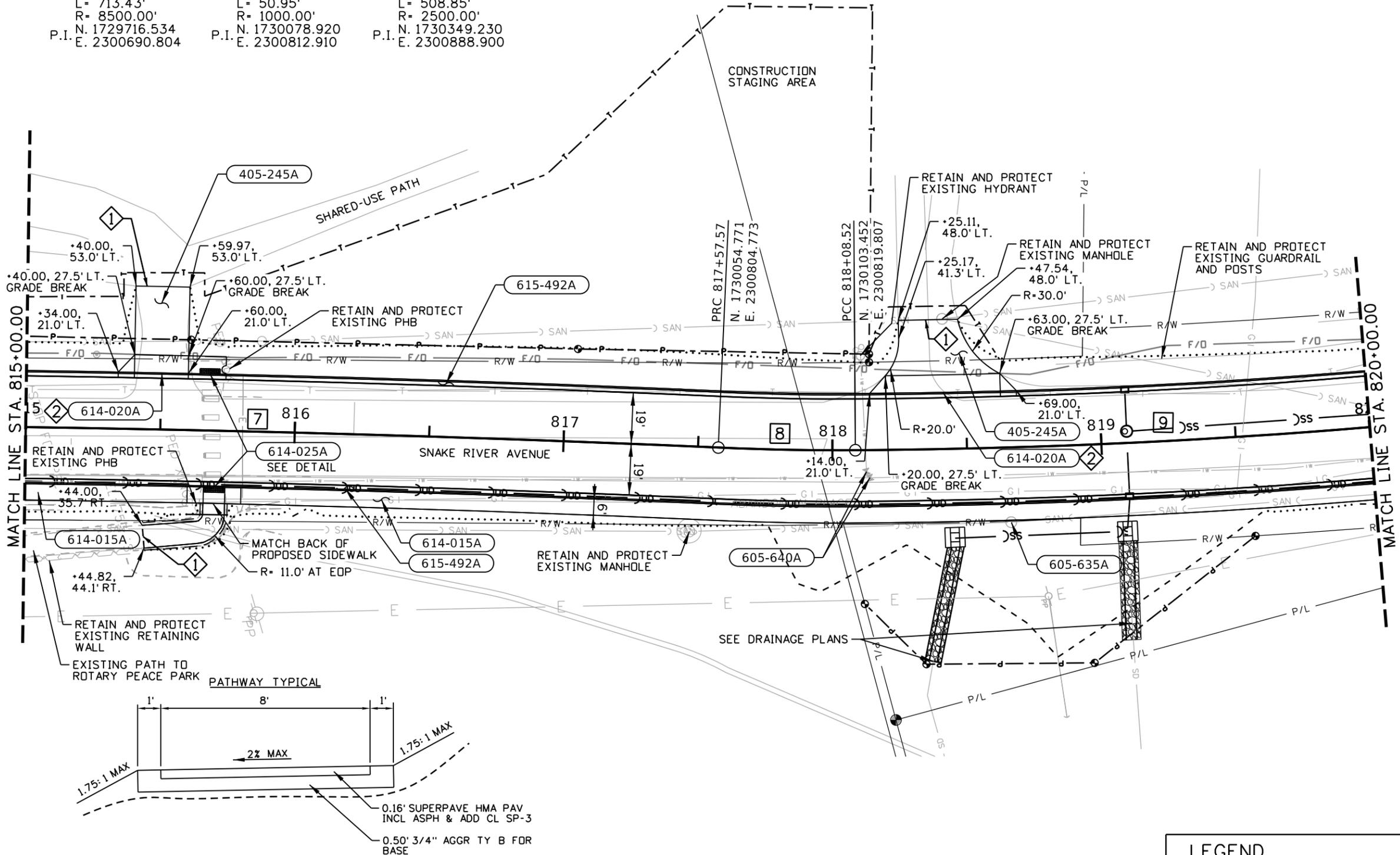
T.35N., R.6W., B.M.

Cv. No. 7	Cv. No. 8	Cv. No. 9
D= 00° 40' 27"	D= 05° 43' 46"	D= 02° 17' 31"
Δ= 04° 48' 32" Rt.	Δ= 02° 55' 10" Lt.	Δ= 11° 39' 43" Lt.
T= 356.92'	T= 25.48'	T= 255.30'
L= 713.43'	L= 50.95'	L= 508.85'
R= 8500.00'	R= 1000.00'	R= 2500.00'
P.I. N. 1729716.534 E. 2300690.804	P.I. N. 1730078.920 E. 2300812.910	P.I. N. 1730349.230 E. 2300888.900

\$\$\$TIMES\$\$\$

\$\$\$DATES\$\$\$

\$\$\$FILES\$\$\$

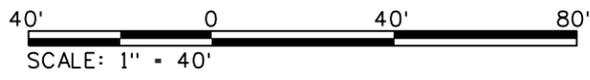


- (405-245A) APPROACH
1 EACH STA. 815+50.00, LT.
1 EACH STA. 818+38.00, LT.
- (605-635A) ADJUST MANHOLE COVERS
1 EACH STA. 818+65.72, 27.7' RT.
- (605-640A) ADJUST VALVE COVERS
1 EACH STA. 818+12.63, 8.0' RT.
1 EACH STA. 818+13.95, 10.3' RT.
- (614-015A) SIDEWALK
40 SY STA. 815+00.00, RT. TO STA. 815+60.00, RT.
280 SY STA. 815+81.00, RT. TO STA. 820+00.00, RT.
- (614-020A) DRIVEWAY
17 SY STA. 815+50.00, 21.0' LT. WIDTH = 20.0'
35 SY STA. 818+41.50, 21.0' LT. WIDTH = 42.0'
- (614-025A) CURB RAMP
10 SY STA. 815+68.00, 21.0' RT.
14 SY STA. 815+70.50, 21.0' RT.
- (615-492A) CURB & GUTTER TYPE 2
1,000 FT STA. 815+00.00, RT. & LT. TO STA. 820+00.00, RT. & LT.

- NOTES:**
- 1 SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - 2 DRIVEWAY SLOPES DOWN TO BACK OF CURB AT -1.0%
 - 1. GAS LINE PREVIOUSLY ABANDONED IN PLACE. CONTACT AVISTA IF CONFLICTS OCCUR.

LEGEND

-----	CUT; CATCH POINT
.....	FILL; CATCH POINT
-----	BOTTOM OF DITCH



REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION	K. ARNZEN	
				DESIGN CHECKED D. BARKER	
				DETAILED K. ARNZEN	
				DRAWING CHECKED D. BARKER	
				CADD FILE NAME 13443_Plan_001.DGN	
				DRAWING DATE: September 17, 2025	

IDAHO TRANSPORTATION DEPARTMENT

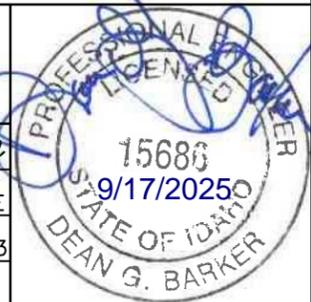


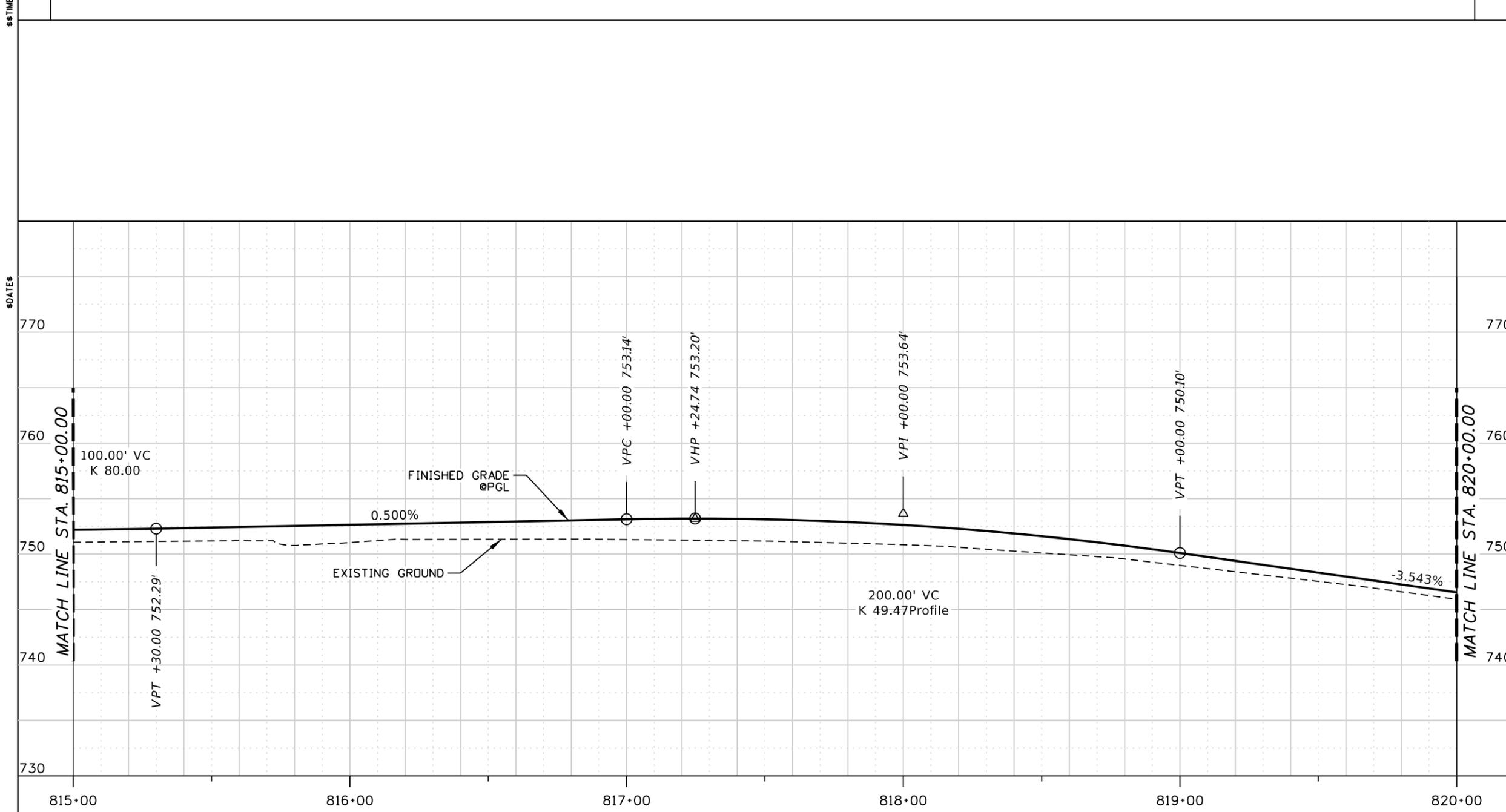
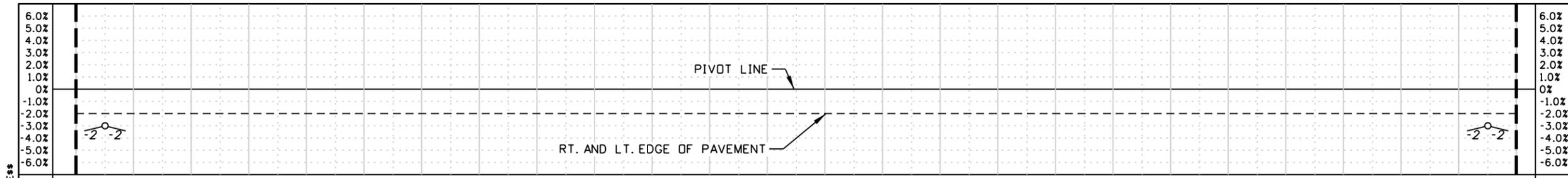
Horrocks.

PROJECT NO.	ROADWAY PLAN SHEET
A013(443)	Snake River Ave SOUTHWAY BR TO 11TH AVE STA. 815+00.00 TO STA.820+00.00

English

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	19 OF 103





EXC. 313 CY
 EMB. 635 CY
 RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO.
 A013(443)

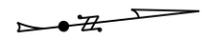
ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 815+00.00 TO STA.820+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 20 OF 103



Cv. No. **9**
 D= 02° 17' 31"
 Δ= 11° 39' 43" Lt.
 T= 255.30'
 L= 508.85'
 R= 2500.00'
 P.I. N. 1730349.23
 E. 2300888.90

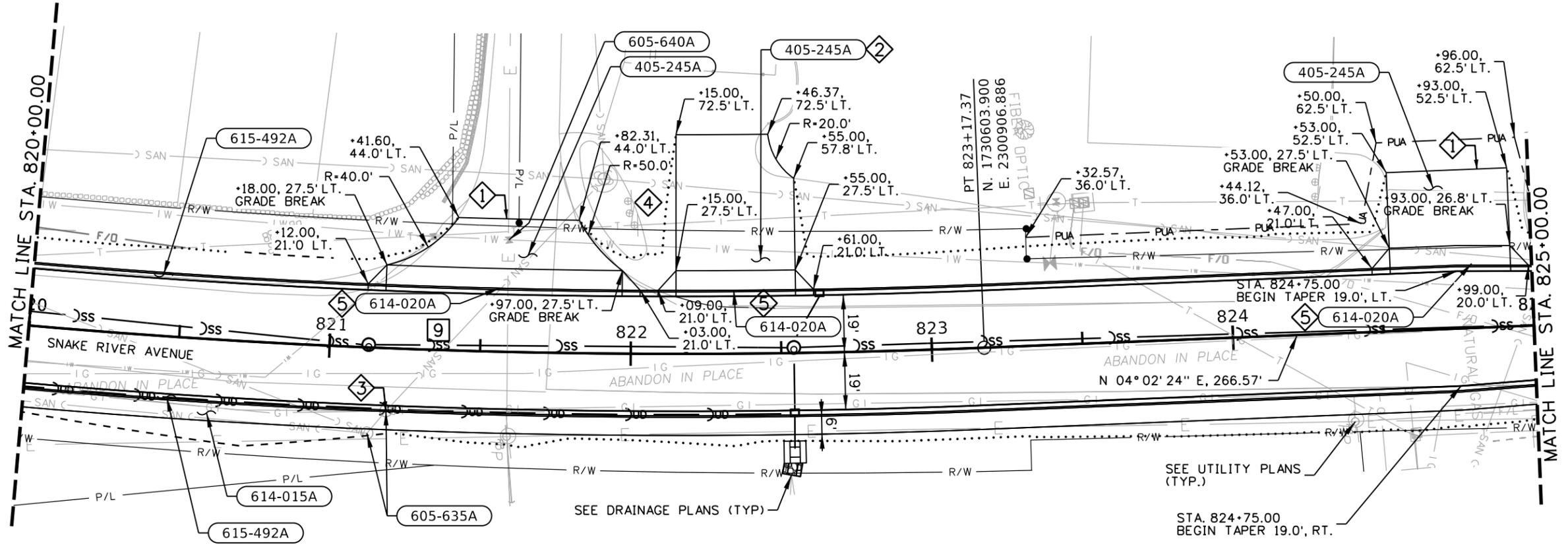
T.35N., R.6W., B.M.



\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

\$\$\$FILE\$\$\$



- 405-245A** APPROACH
 - 1 EACH STA. 821+57.50, LT.
 - 1 EACH STA. 822+35.00, LT.
 - 1 EACH STA. 824+73.00, LT.
- 605-635A** ADJUST MANHOLE COVERS
 - 1 EACH STA. 821+13.60, 28.4' RT.
 - 1 EACH STA. 821+19.53, 20.8' RT.
- 605-640A** ADJUST VALVE COVERS
 - 1 EACH STA. 821+58.75, 37.1' LT.
- 614-015A** SIDEWALK
 - 334 SY STA. 820+00.00, RT. TO STA. 825+00.00, RT.
- 614-020A** DRIVEWAY
 - 61 SY STA. 821+57.50, 21.0' LT. WIDTH = 78.0'
 - 33 SY STA. 822+35.00, 21.0' LT. WIDTH = 40.0'
 - 33 SY STA. 824+73.00, 21.0' LT. WIDTH = 40.0'
- 615-492A** CURB & GUTTER TYPE 2
 - 1,000 FT STA. 820+00.00, RT. & LT. TO STA. 825+00.00, RT. & LT.

- NOTES:**
- 1 SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - 2 CONSTRUCT 40' FT DRIVEWAY AND USE SUITABLE GRAVEL MATERIAL TO GRADE TO MATCH EXISTING. INCIDENTAL TO ITEM 405-245A
 - 3 EXISTING MANHOLE WITH ECCENTRIC CONE. ROTATE MANHOLE OUT OF CURB LINE. ADJUST INFALL AND OUTFALL AS NEEDED. INCIDENTAL TO ITEM 605-635A.
 - 4 RETAIN AND PROTECT EXISTING COMMERCIAL SIGNS.
 - 5 DRIVEWAY SLOPES DOWN TO BACK OF CURB AT -1.0%
1. GAS LINE PREVIOUSLY ABANDONED IN PLACE. CONTACT AVISTA IF CONFLICTS OCCUR.



LEGEND

-----	CUT; CATCH POINT
.....	FILL; CATCH POINT
.....	BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Plan_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

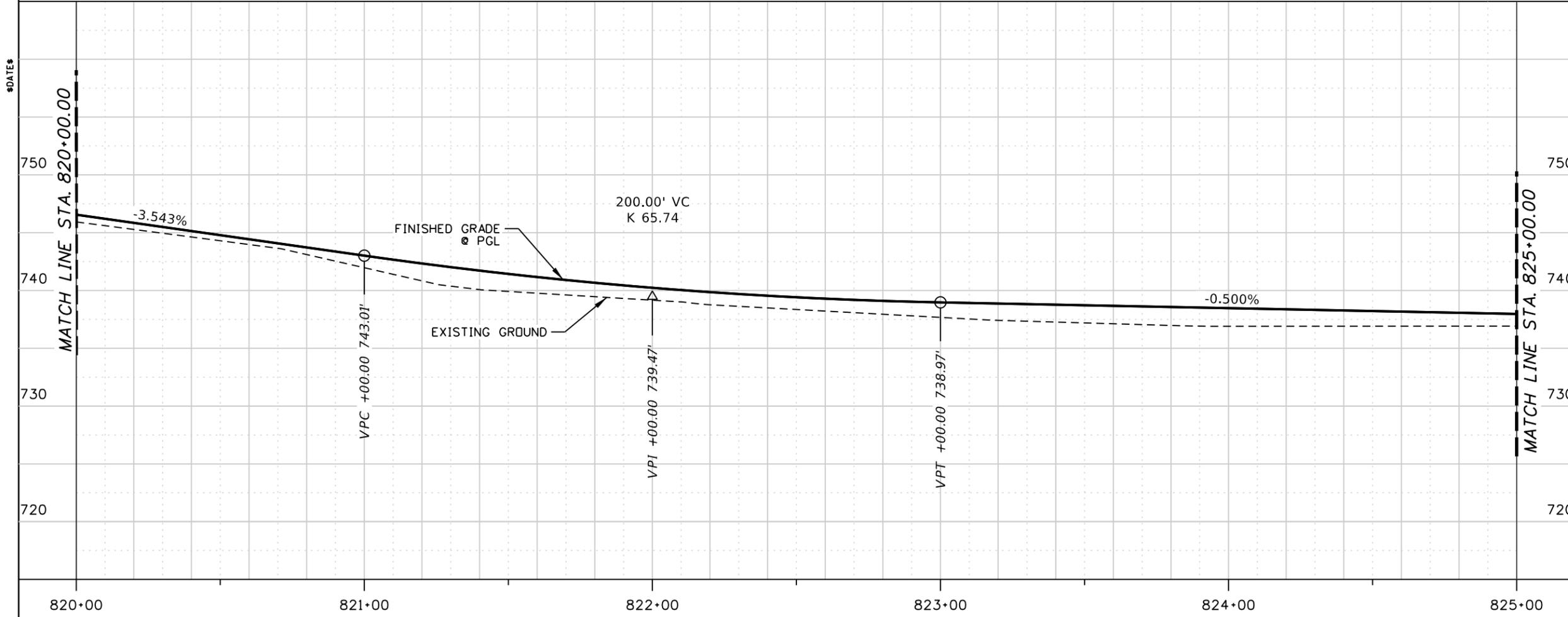
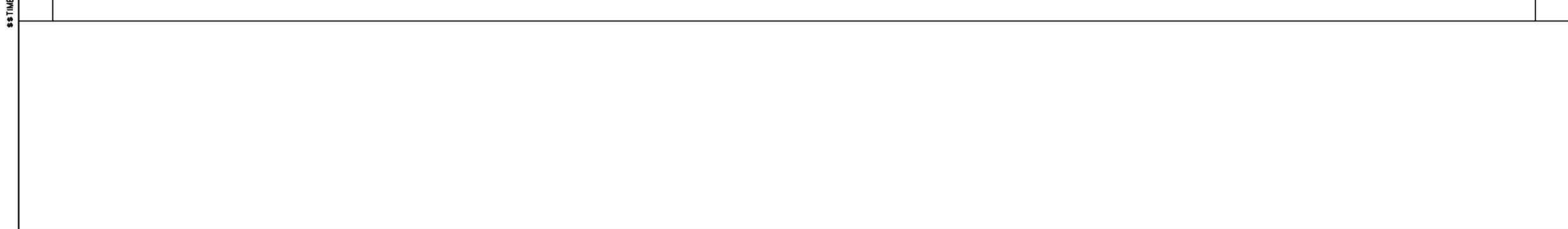
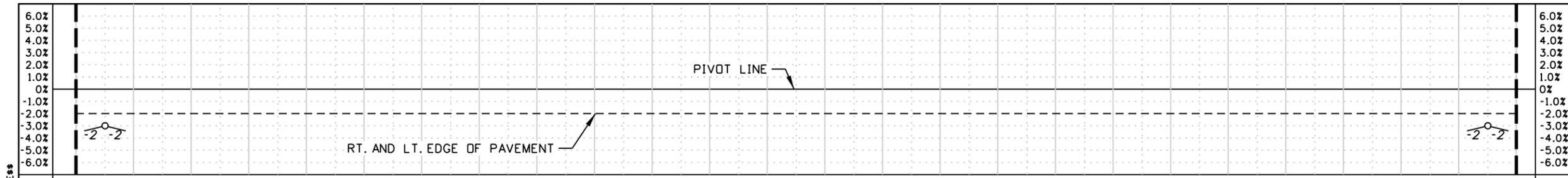
ROADWAY PLAN SHEET

Snake River Ave
SOUTHWAY BR TO 11TH AVE
 STA. 820+00.00 TO STA. 825+00.00

English

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 21 OF 103

15686
 9/17/2025
 DEAN G. BARKER



EXC. 297 CY
 EMB. 351 CY
 RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO. A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 820+00.00 TO STA. 825+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 22 OF 103



T.35N., R.6W., B.M.

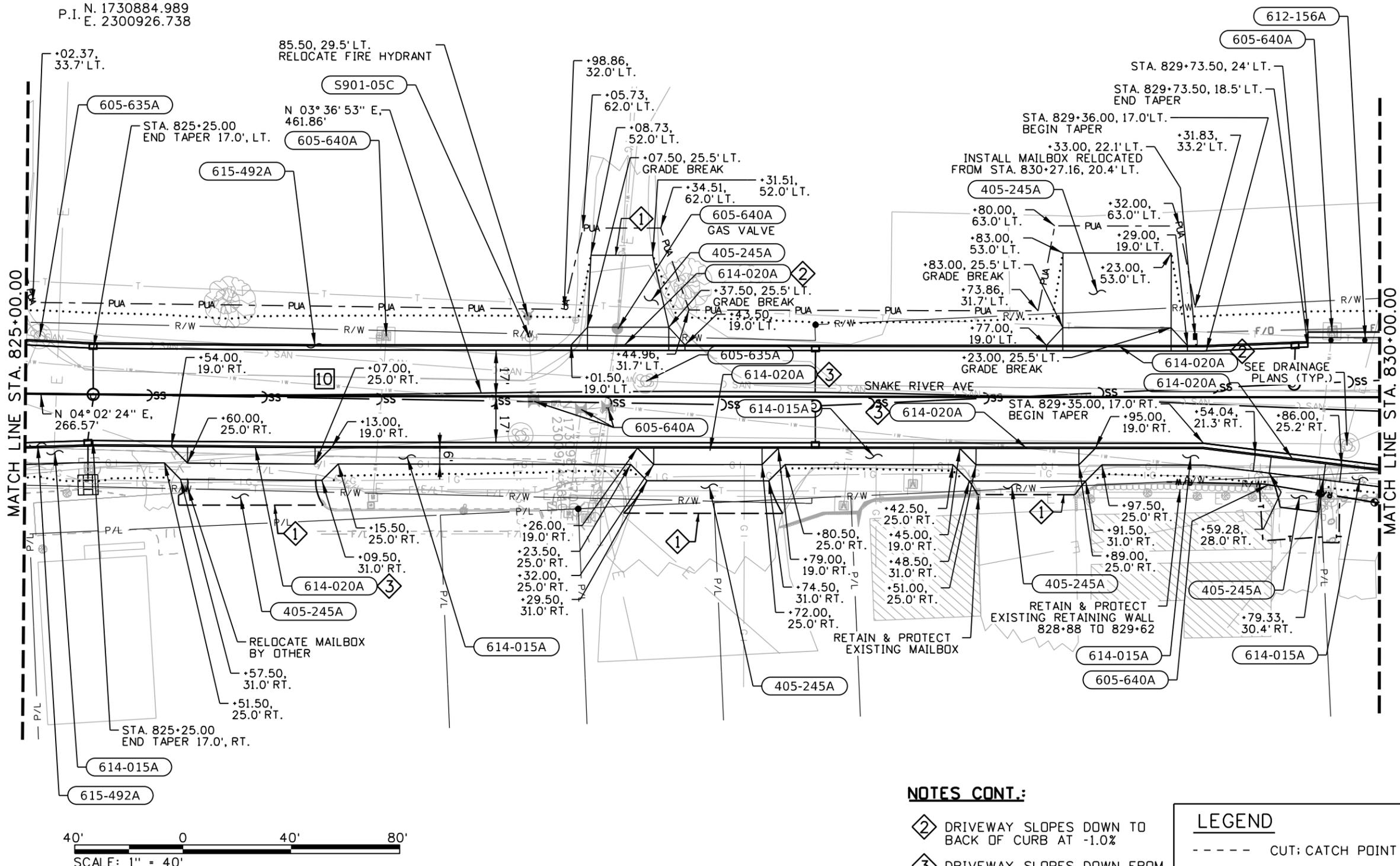
Cv. No. 10

D= 01° 23' 51"
 Δ= 00° 25' 31" Lt.
 T= 15.22'
 L= 30.43'
 R= 4100.00'
 N. 1730884.989
 P.I. E. 2300926.738

\$\$\$TIMES\$\$\$

\$\$\$DATES\$\$\$

\$\$\$FILES\$\$\$



- 405-245A** APPROACH
 - 1 EACH STA. 825+83.50, RT.
 - 1 EACH STA. 827+23.00, LT.
 - 1 EACH STA. 827+52.00, RT.
 - 1 EACH STA. 828+70.00, RT.
 - 1 EACH STA. 829+03.00, LT.
 - 1 EACH STA. 829+70.00, RT.
- 605-635A** ADJUST MANHOLE COVERS
 - 1 EACH STA. 825+05.09, 21.13' LT.
 - 1 EACH STA. 827+29.14, 5.60' LT.
- 605-640A** ADJUST VALVE COVERS
 - 1 EACH STA. 826+33.42, 21.4' LT.
 - 1 EACH STA. 826+87.77, 3.4' RT.
 - 1 EACH STA. 827+05.12, 6.6' RT.
 - 1 EACH STA. 827+15.06, 5.9' RT.
 - 1 EACH STA. 827+18.85, 23.1' LT.
 - 1 EACH STA. 829+60.04, 28.8' RT.
 - 1 EACH STA. 829+81.46, 28.8' LT.
- 612-156A** CONCRETE TERMINAL TYPE B
 - 1 EACH STA. 829+93.50, 19.0' LT.
- 614-015A** SIDEWALK
 - 42 SY STA. 825+00.00, RT. TO STA. 825+60.00, RT.
 - 87 SY STA. 826+07.00, RT. TO STA. 827+32.00, RT.
 - 56 SY STA. 827+72.00, RT. TO STA. 828+51.00, RT.
 - 76 SY STA. 828+89.00, RT. TO STA. 829+54.04, RT.
 - 10 SY STA. 829+85.28, RT. TO STA. 830+00.00, RT.
- 614-020A** DRIVEWAY
 - 67 SY STA. 825+83.50, 19.0' RT. WIDTH = 47.0'
 - 26 SY STA. 827+23.00, 19.0' LT. WIDTH = 30.0'
 - 57 SY STA. 827+52.00, 19.0' RT. WIDTH = 40.0'
 - 55 SY STA. 828+70.00, 19.0' RT. WIDTH = 38.0'
 - 33 SY STA. 829+03.00, 19.0' LT. WIDTH = 40.0'
 - 22 SY STA. 829+70.00, 19.0' RT. WIDTH = 20.0'
- 615-492A** CURB & GUTTER TYPE 2
 - 480 FT STA. 825+00.00, LT. TO STA. 829+79.50, LT.
 - 500 FT STA. 825+00.00, RT. TO STA. 830+00.00, RT.
- S901-05C** REMOVE & RESET FIRE HYDRANT
 - 1 EACH STA. 826+86.11, 21.7' LT.

NOTES:

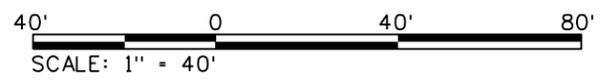
1 SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.

NOTES CONT.:

- 2 DRIVEWAY SLOPES DOWN TO BACK OF CURB AT -1.0%
- 3 DRIVEWAY SLOPES DOWN FROM SIDEWALK TO BACK OF CURB AT -7.6%

LEGEND

----	CUT; CATCH POINT
.....	FILL; CATCH POINT
.....	BOTTOM OF DITCH



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Plan_001.DGN
 DRAWING DATE: September 17, 2025

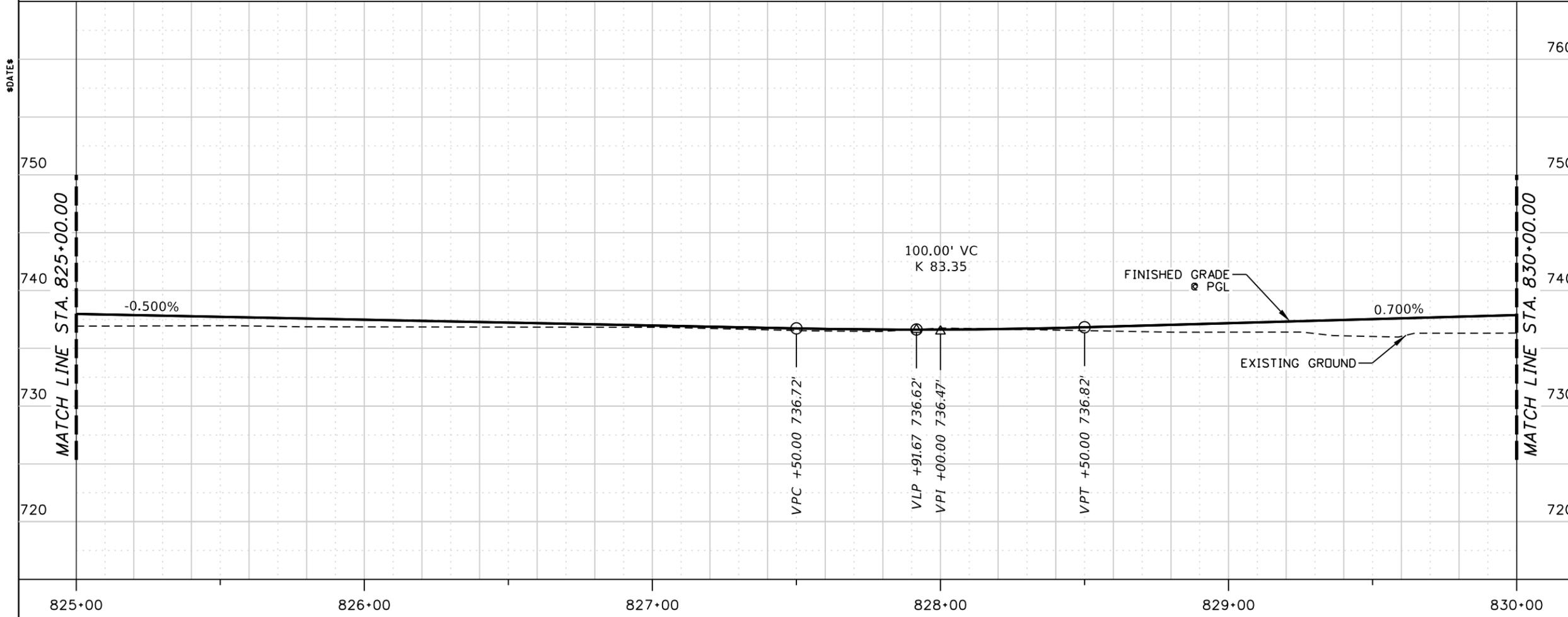
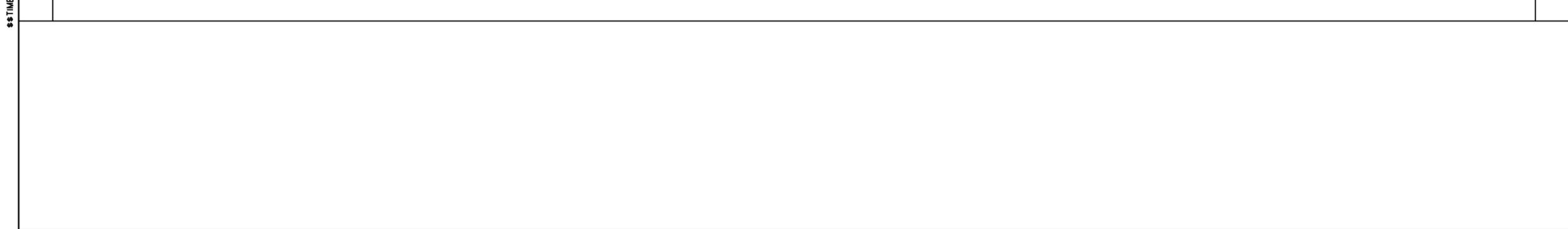
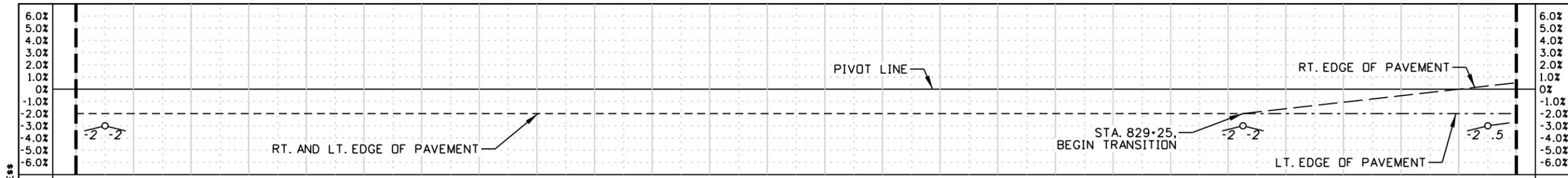


PROJECT NO. A013(443)

ROADWAY PLAN SHEET
Snake River Ave
 Southway Br to 11th Ave
 STA. 825+00.00 TO STA. 830+00.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 23 OF 103





825+00 826+00 827+00 828+00 829+00 830+00

EXC. 614 CY
EMB. 258 CY
RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
DESIGN CHECKED D. BARKER
DETAILED K. ARNZEN
DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443_Prof_001.DGN
DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

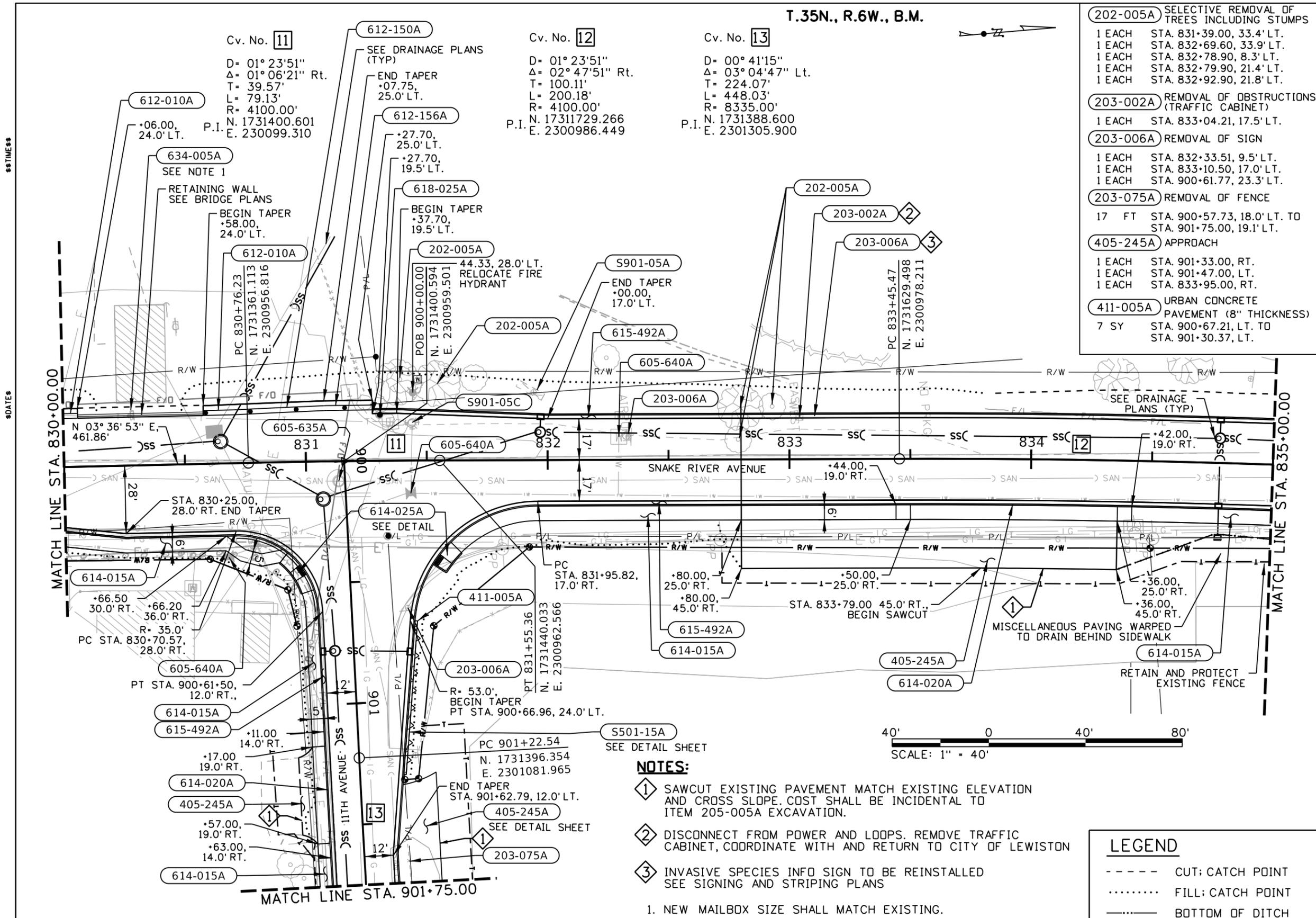
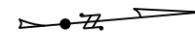
PROJECT NO. A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
STA. 825+00.00 TO STA. 830+00.00

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 24 OF 103



T.35N., R.6W., B.M.



- 202-005A** SELECTIVE REMOVAL OF TREES INCLUDING STUMPS
 - 1 EACH STA. 831+39.00, 33.4' LT.
 - 1 EACH STA. 832+69.60, 33.9' LT.
 - 1 EACH STA. 832+78.90, 8.3' LT.
 - 1 EACH STA. 832+79.90, 21.4' LT.
 - 1 EACH STA. 832+92.90, 21.8' LT.
- 203-002A** REMOVAL OF OBSTRUCTIONS (TRAFFIC CABINET)
 - 1 EACH STA. 833+04.21, 17.5' LT.
- 203-006A** REMOVAL OF SIGN
 - 1 EACH STA. 832+33.51, 9.5' LT.
 - 1 EACH STA. 833+10.50, 17.0' LT.
 - 1 EACH STA. 900+61.77, 23.3' LT.
- 203-075A** REMOVAL OF FENCE
 - 17 FT STA. 900+57.73, 18.0' LT. TO STA. 901+75.00, 19.1' LT.
- 405-245A** APPROACH
 - 1 EACH STA. 901+33.00, RT.
 - 1 EACH STA. 901+47.00, LT.
 - 1 EACH STA. 833+95.00, RT.
- 411-005A** URBAN CONCRETE PAVEMENT (8" THICKNESS)
 - 7 SY STA. 900+67.21, LT. TO STA. 901+30.37, LT.

- 605-635A** ADJUST MANHOLE COVERS
 - 1 EACH STA. 831+13.63, 0.4' RT.
- 605-640A** ADJUST VALVE COVERS
 - 1 EACH STA. 830+67.26, 38.7' RT.
 - 1 EACH STA. 831+43.39, 13.5' RT.
 - 1 EACH STA. 832+29.46, 9.5' LT.
- 612-010A** CONCRETE BARRIER TRANSITION
 - 1 EACH STA. 830+06.00, 20.0' LT.
 - 1 EACH STA. 830+58.00, 20.0' LT.
- 612-150A** CONCRETE BARRIER
 - 37.5 FT STA. 830+70.50, 20.0' LT. TO STA. 831+07.90, 21.0' LT.
- 612-156A** CONCRETE TERMINAL TYPE B
 - 1 EACH STA. 831+07.80, 21.0' LT.
- 614-015A** SIDEWALK
 - 59 SY STA. 830+00.00, RT. TO STA. 830+91.70, RT.
 - 32 SY STA. 900+52.33, RT. TO STA. 901+11.00, RT.
 - 7 SY STA. 901+63.00, RT. TO STA. 901+75.00, RT.
 - 124 SY STA. 831+59.93, RT. TO STA. 833+44.00, RT.
 - 38 SY STA. 834+42.00, RT. TO STA. 835+00.00, RT.
- 614-020A** DRIVEWAY
 - 29 SY STA. 901+37.00, 14.0' RT. WIDTH = 40.0'
 - 65 SY STA. 833+93.00, 19.0' RT. WIDTH = 86.0'
- 614-025A** CURB RAMP
 - 11 SY STA. 900+43.76, 19.2' RT.
 - 9 SY STA. 900+42.27, 36.3' LT.
- 615-492A** CURB & GUTTER TYPE 2
 - 236 FT STA. 830+00.00, RT. TO STA. 901+75.00, RT.
 - 500 FT STA. 830+00.00, LT. TO STA. 835+00.00, LT.
 - 490 FT STA. 901+75.00, LT. TO STA. 835+00.00, RT.
- 618-025A** STREET MONUMENT
 - 1 EACH STA. 831+30.38, 26.89' LT.
- 634-005A** MAILBOX
 - 1 EACH STA. 830+26.41, 26.4' LT.
- S501-15A** RETAINING WALL
 - 270 SF STA. 900+67.33, 27.0' LT. TO STA. 901+30.37, 19.1' LT., 4.0' MAX HEIGHT
- S901-05A** REMOVE AND RESET SIGN (CITY PARK SIGN)
 - 1 EACH STA. 832+92.91, 28.8' LT.
- S901-05C** REMOVE & RESET FIRE HYDRANT
 - 1 EACH STA. 831+43.62, 24.2' LT.

NOTES:

- ① SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - ② DISCONNECT FROM POWER AND LOOPS. REMOVE TRAFFIC CABINET, COORDINATE WITH AND RETURN TO CITY OF LEWISTON
 - ③ INVASIVE SPECIES INFO SIGN TO BE REINSTALLED SEE SIGNING AND STRIPING PLANS
1. NEW MAILBOX SIZE SHALL MATCH EXISTING.

LEGEND

- - - - CUT; CATCH POINT
- FILL; CATCH POINT
- BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	CADD FILE NAME 13443_Plan_001.DGN
DETAILED	K. ARNZEN	DRAWING DATE: September 17, 2025
DRAWING CHECKED	D. BARKER	

IDAHO TRANSPORTATION DEPARTMENT



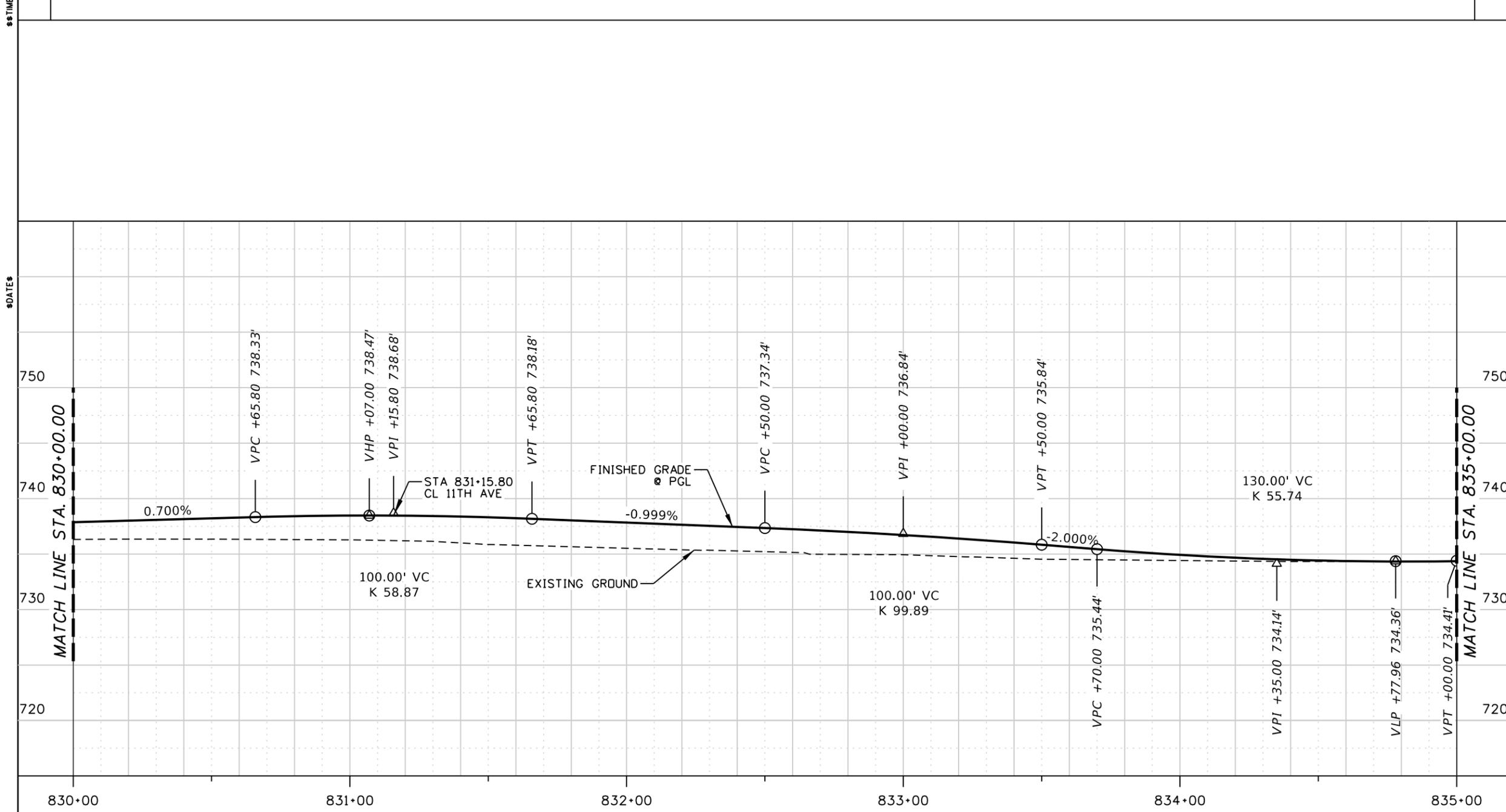
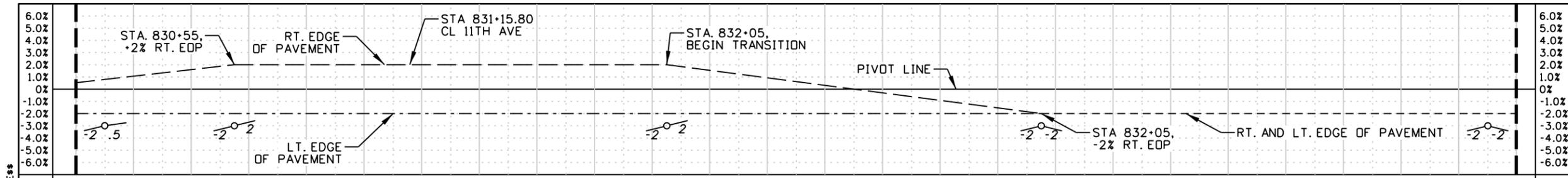
Horrocks.

PROJECT NO.	A013(443)
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ROADWAY PLAN SHEET	Snake River Ave SOUTHWAY BR TO 11TH AVE STA. 830+00.00 TO STA. 835+00.00
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English	
COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	25 OF 103





EXC. 260 CY
EMB. 1235 CY
RDWY. 500 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
DESIGN CHECKED
D. BARKER
DETAILED
K. ARNZEN
DRAWING CHECKED
D. BARKER

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
13443_Prof_001.DGN
DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

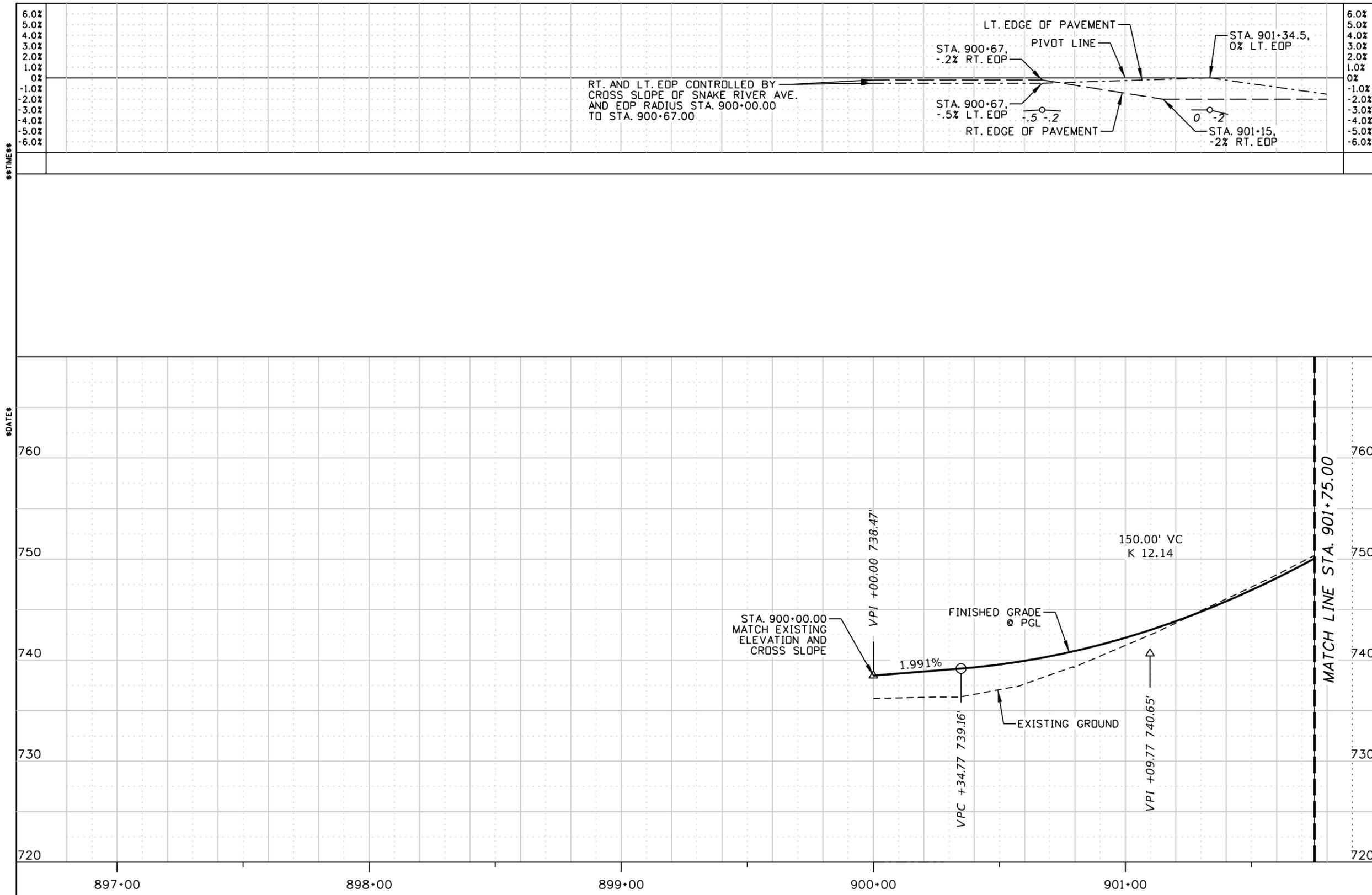


Horrocks.

PROJECT NO.
A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
STA. 830+00.00 TO STA. 835+00.00

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 26 OF 103



NOTES:

1. EXC. & EMB. ON THIS SHEET INCLUDES WORK ENDING AT END OF CONSTRUCTION

EXC. 139 CY
EMB. 30 CY
RDWY. 108 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO. A013(443)

ROADWAY PROFILE SHEET

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
 STA. 900+00.00 TO STA. 901+75.00

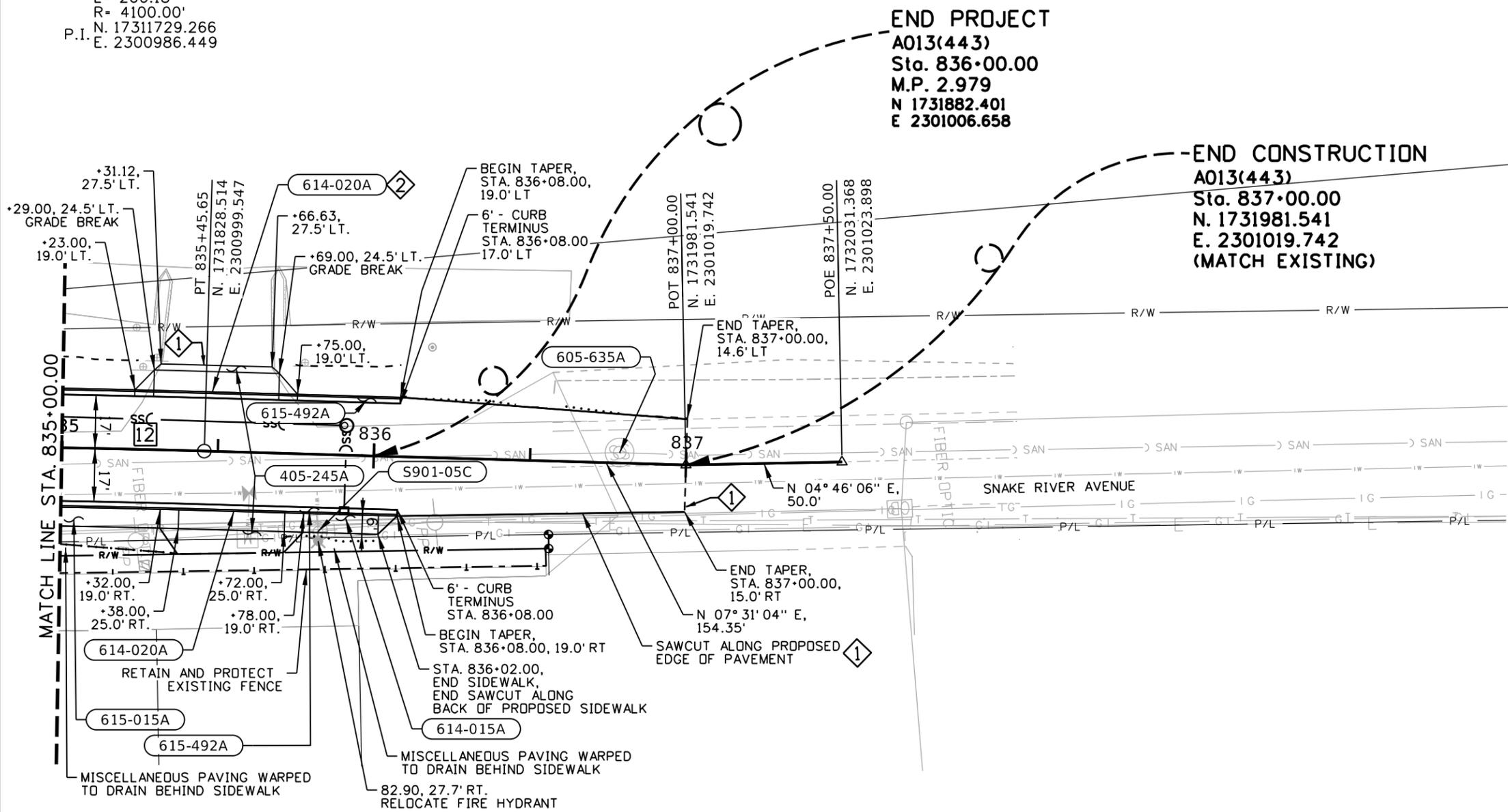
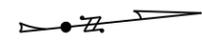
English

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 27 OF 103



T.35N., R.6W., B.M.

Cv. No. **12**
 D= 01° 23' 51"
 Δ= 02° 47' 51" Rt.
 T= 100.11'
 L= 200.18'
 R= 4100.00'
 P.I. N. 17311729.266
 E. 2300986.449



- 405-245A** APPROACH
 1 EACH STA. 835+49.00, LT.
 1 EACH STA. 835+55.00, RT.
- 605-635A** ADJUST MANHOLE COVERS
 1 EACH STA. 836+78.64, 3.4' LT.
- 614-015A** SIDEWALK
 56 SY STA. 835+00.00, RT. TO STA. 835+32.00, RT.
 16 SY STA. 835+78.00, RT. TO STA. 836+02.00, RT.
- 614-020A** DRIVEWAY
 33 SY STA. 835+49.00, 19.0' LT. WIDTH = 40.0'
 31 SY STA. 835+55.00, 19.0' LT. WIDTH = 34.0'
- 615-492A** CURB & GUTTER TYPE 2
 216 LF STA. 835+00.00, RT. & LT. TO STA. 836+08.00, RT. & LT.
- S901-05C** REMOVE & RESET FIRE HYDRANT
 1 EACH STA. 835+82.76, 24.7' RT.

- NOTES:**
1. FROM STA. 836+00.00 TO STA. 837+00.00 TRANSITION TO MATCH EXISTING CROWN, CROSS SLOPE, AND ELEVATION.
 - ① SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION AND CROSS SLOPE. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - ② DRIVEWAY SLOPES DOWN TO BACK OF CURB AT -1.0%

LEGEND

- CUT; CATCH POINT
- FILL; CATCH POINT
- BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Plan_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

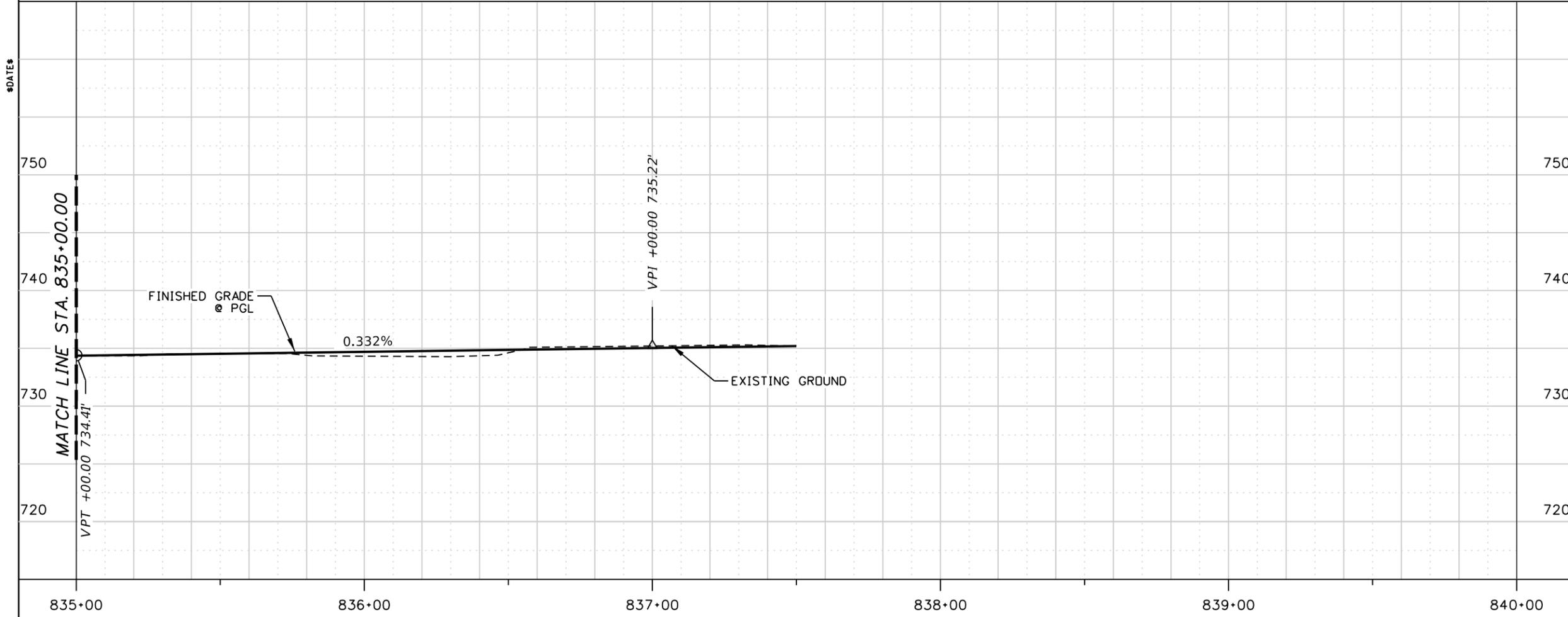
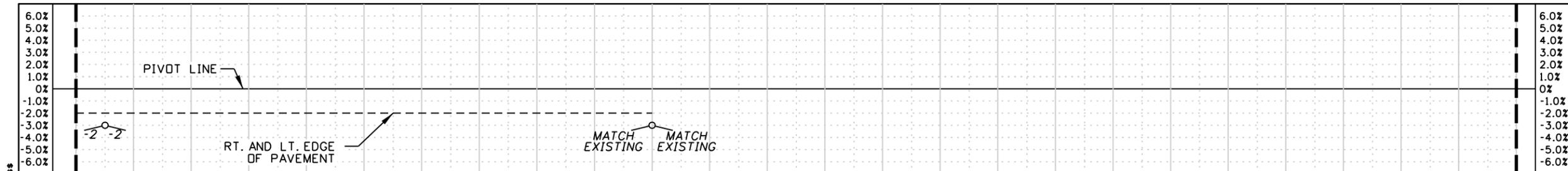
ROADWAY PLAN SHEET

Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 835+00.00 TO STA. 839+35.67

English

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 28 OF 103

15686
 9/17/2025
 DEAN G. BARKER



EXC. 344 CY
 EMB. 4 CY
 RDWY. 200 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO.
 A013(443)

ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 830+00.00 TO STA. 835+00.00

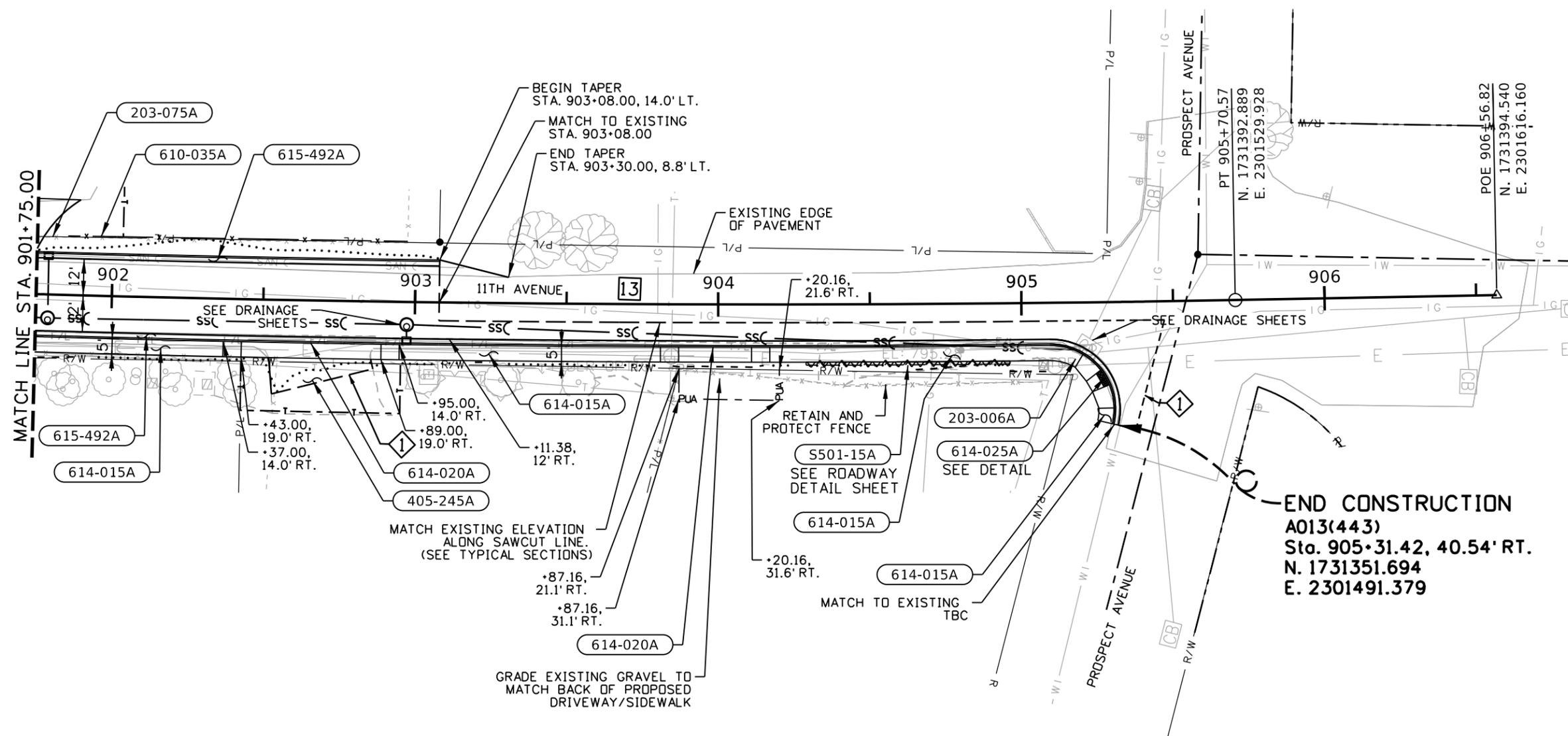
English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 29 OF 103



Cv. No. **13**

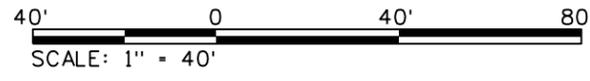
T.35N., R.6W., B.M.

D= 00° 41'15"
 Δ= 03° 04'47" Lt.
 T= 224.07'
 L= 448.03'
 R= 8335.00'
 P.I. N. 1731388.600
 E. 2301305.900



- 203-006A** REMOVAL OF SIGN
1 EACH STA. 905+18.90, 19.0' RT.
- 203-075A** REMOVAL OF FENCE
122 FT STA. 901+75.00, 19.1' LT. TO STA. 902+97.34, 19.5' LT.
- 405-245A** APPROACH
1 EACH STA. 902+69.00, RT.
- 610-035A** FENCE TYPE 4 (4' W/ TOP RAIL)
112 FT STA. 901+85.10, 19.4' LT. TO STA. 902+97.40, 19.9' LT.
- 614-015A** SIDEWALK
35 SY STA. 901+75.00, RT. TO STA. 902+37.00, RT.
48 SY STA. 902+95.00, RT. TO STA. 903+81.00, RT.
57 SY STA. 904+17.00, RT. TO STA. 905+20.08, RT.
3 SY STA. 905+25.13, RT. TO STA. 915+29.50, RT.
- 614-020A** DRIVEWAY
32 SY STA. 902+69.00, 14.0' RT. WIDTH = 40.0'
20 SY STA. 903+99.00, 14.0' RT. WIDTH = 24.0'
- 614-025A** CURB RAMP
12 SY STA. 905+27.41, 24.6' RT.
- 615-492A** CURB & GUTTER TYPE 2
133 LF STA. 901+75.00, LT. TO STA. 903+08.00, LT.
374 LF STA. 901+75.00, RT. TO STA. 905+29.98, RT.
- S501-15A** RETAINING WALL
335 SF STA. 904+29.00, 19.0 RT. TO STA. 904+96.00, 19.0 RT. 4.0' MAX HEIGHT

NOTES:
 1 SAWCUT EXISTING PAVEMENT MATCH EXISTING ELEVATION. COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.



LEGEND

- CUT; CATCH POINT
- FILL; CATCH POINT
- BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Plan_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

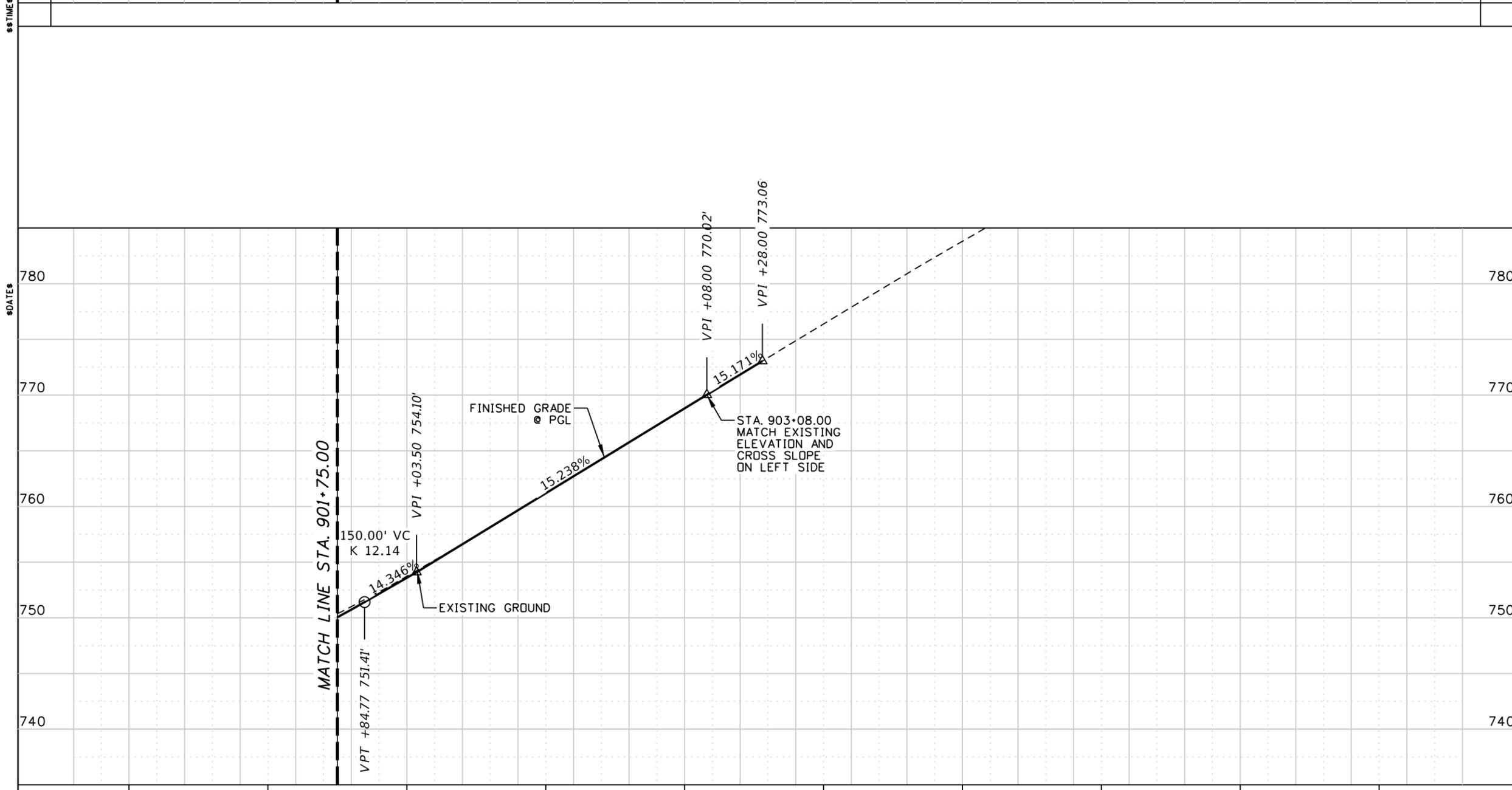
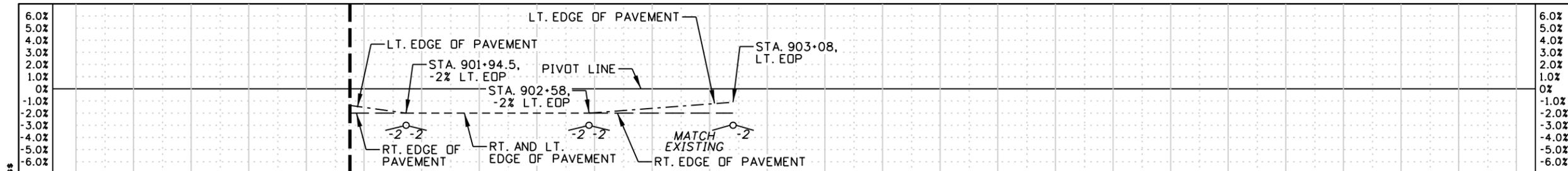
ROADWAY PLAN SHEET

Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 901+50.00 TO STA. 906+00.00

English

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 30 OF 103

15686
 9/17/2025
 DEAN G. BARKER



NOTES:
 1. EXC. & EMB. ON THIS SHEET INCLUDES WORK ENDING AT END OF CONSTRUCTION

EXC. 462 CY
 EMB. 13 CY
 RDWY. 133 LF

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_Prof_001.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

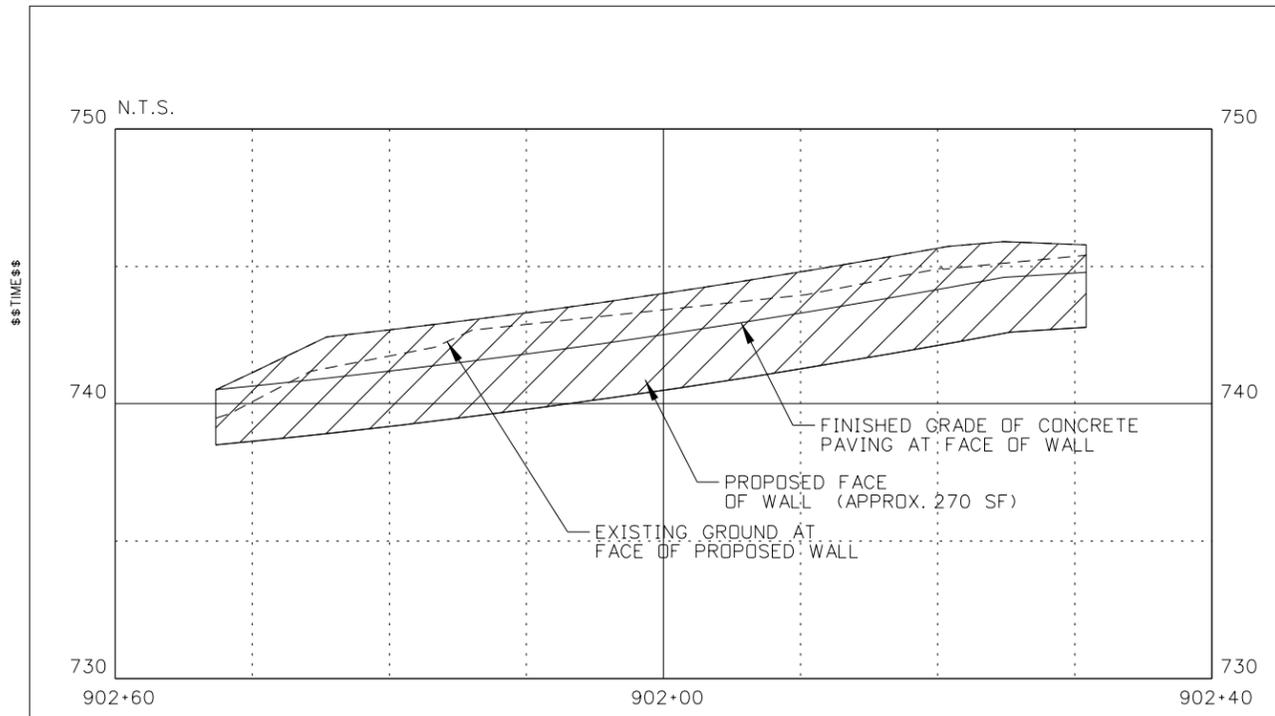
Horrocks.

PROJECT NO. A013(443)

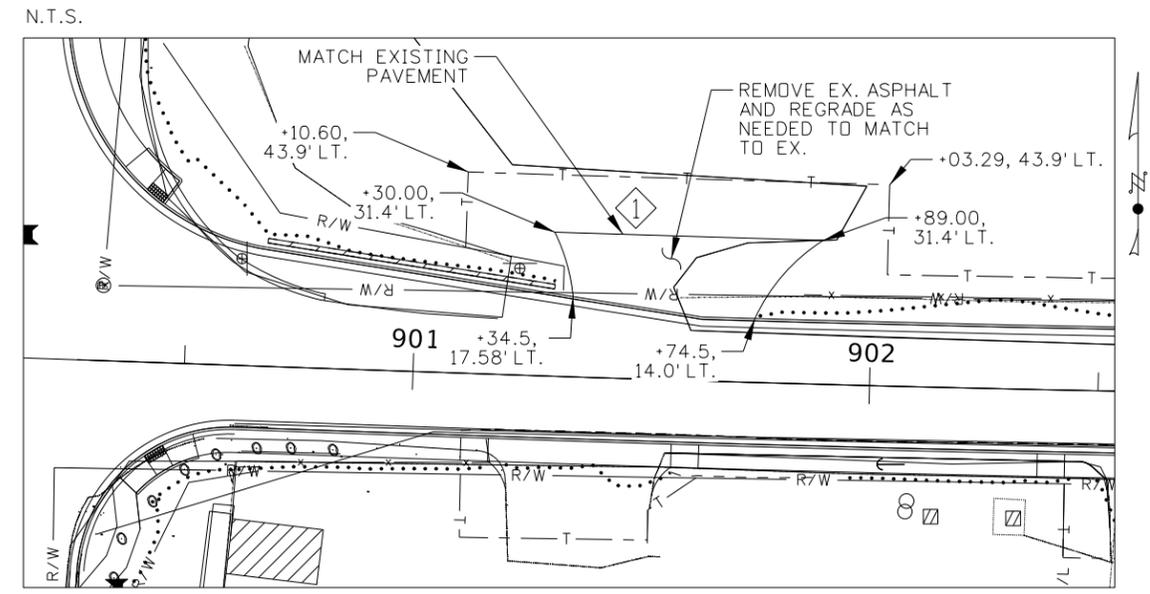
ROADWAY PROFILE SHEET
Snake River Ave
 SOUTHWAY BR TO 11TH AVE
 STA. 901+75.00 TO STA. 902+75.00

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 31 OF 103



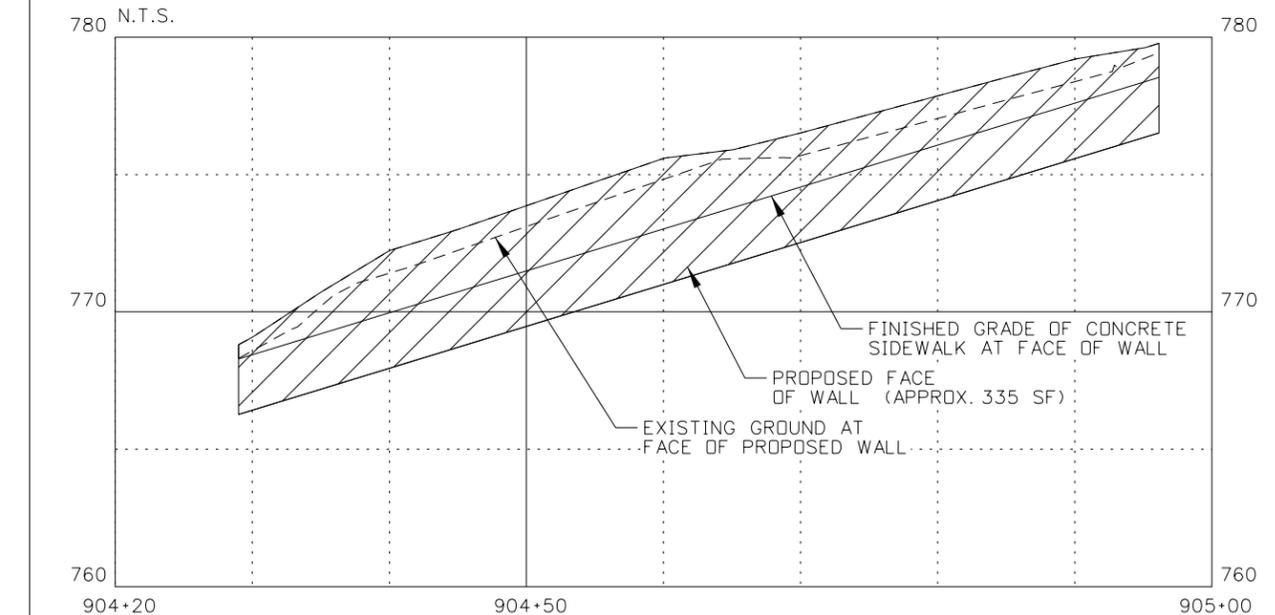


11TH AVE, STA 900+67.33 TO STA 901+30.39
RETAINING WALL DETAILS ②



11TH AVE APPROACH
STA. 901+47.00, LT. PLAN

- NOTES:
- ① SAWCUT EXISTING PAVEMENT COST SHALL BE INCIDENTAL TO ITEM 205-005A EXCAVATION.
 - ② CONSTRUCT PROPOSED WALLS WITH A MINIMUM 2.0' EMBEDMENT DEPTH AND MINIMUM 0.5' ABOVE EXISTING GROUND AT FINISHED HEIGHT.



11TH AVE, STA 904+29.00 TO STA 904+96.00
RETAINING WALL DETAILS ②

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_detl_001.sht
DRAWING CHECKED	D. BARKER	DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT



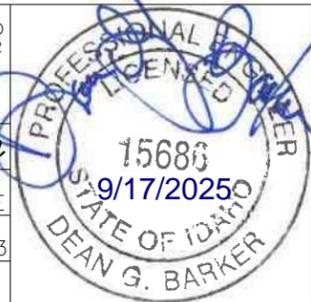
Horrocks.

PROJECT NO.	A013(443)
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ROADWAY DETAIL SHEET	Snake River Ave Southway Br to 11th Ave
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English	
COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET 32 OF 103	

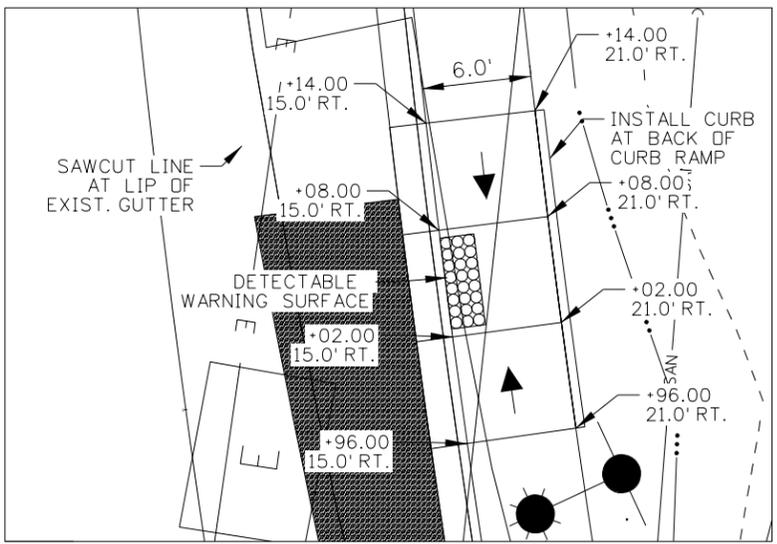
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2600 North & South Highway,
Lewiston, ID



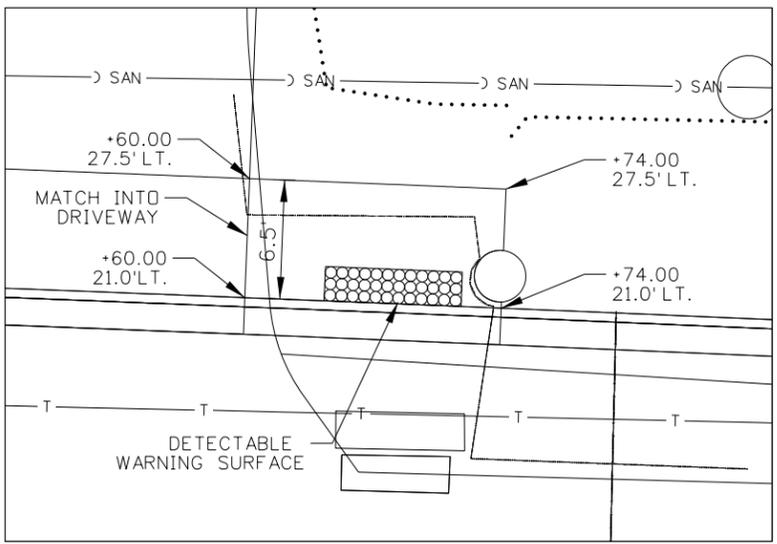
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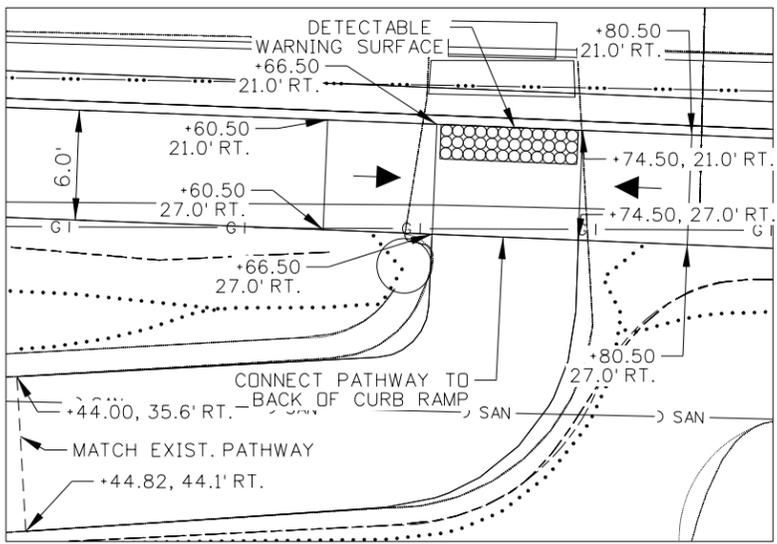
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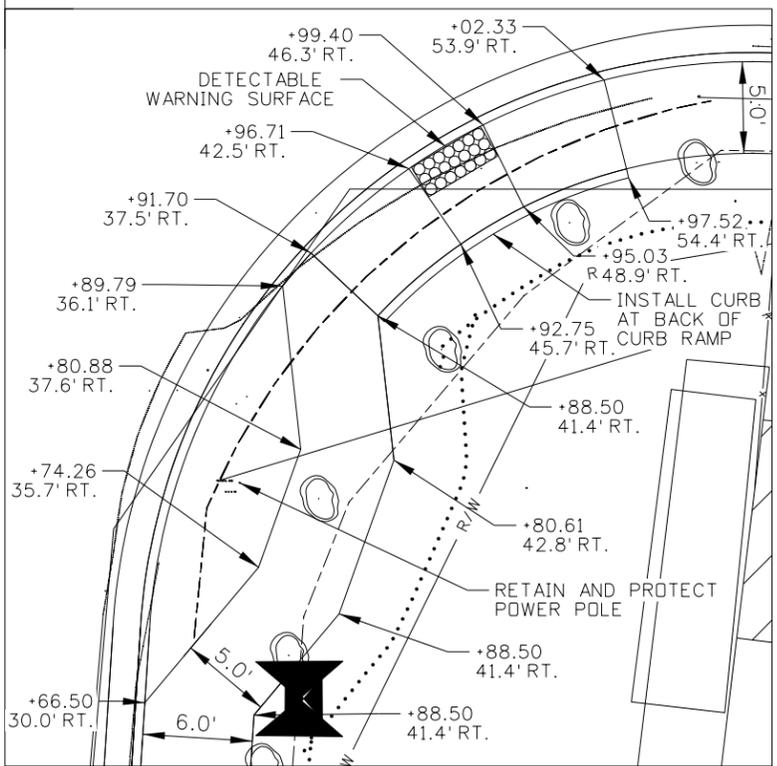
Snake River Ave Curb Ramp
Sta. 401+05.00, 15.0' RT. DETAIL



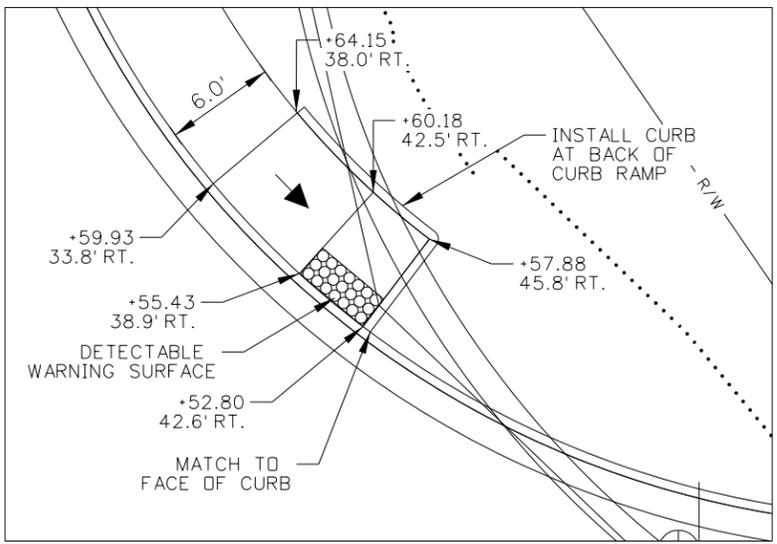
Snake River Ave Curb Ramp
Sta. 815+68.00, 21.0' LT. DETAIL



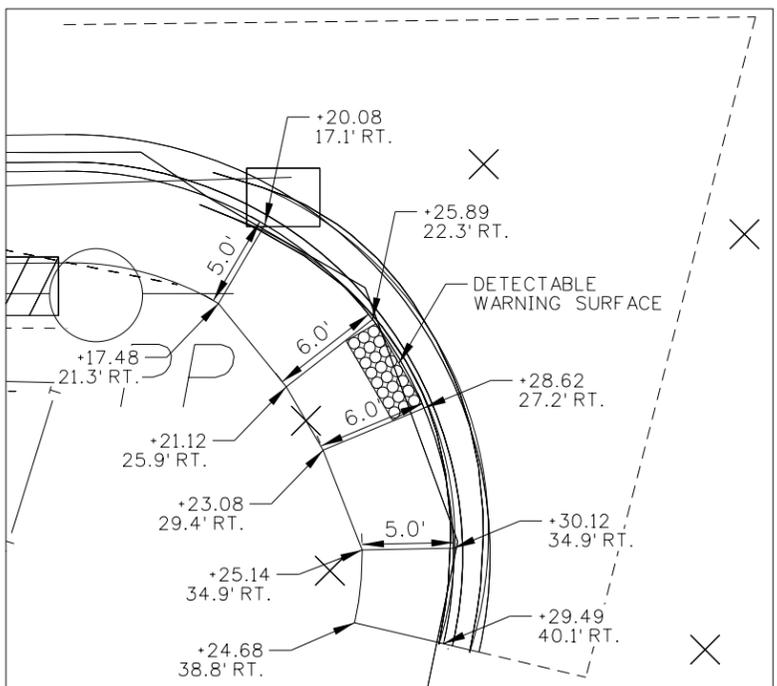
Snake River Ave Curb Ramp
Sta. 815+70.50, 21.0' RT. DETAIL



Snake River Ave & 11th Ave Curb Ramp
Sta. 900+43.76, 19.2' RT. DETAIL



Snake River Ave & 11th Ave Curb Ramp
Sta. 900+42.27, 36.3' LT. DETAIL



11th Ave Curb Ramp
905+27.41, 24.6' RT. DETAIL

NOTES:

- SEE STD DWG 614-3 FOR ADDITIONAL CURB RAMP DETAILS. ADHERE TO SLOPE REQUIREMENTS.

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_detl_002.sht
 DRAWING DATE: 17-SEP-2025



PROJECT NO. A013(443)

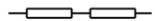
ROADWAY DETAIL SHEET
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

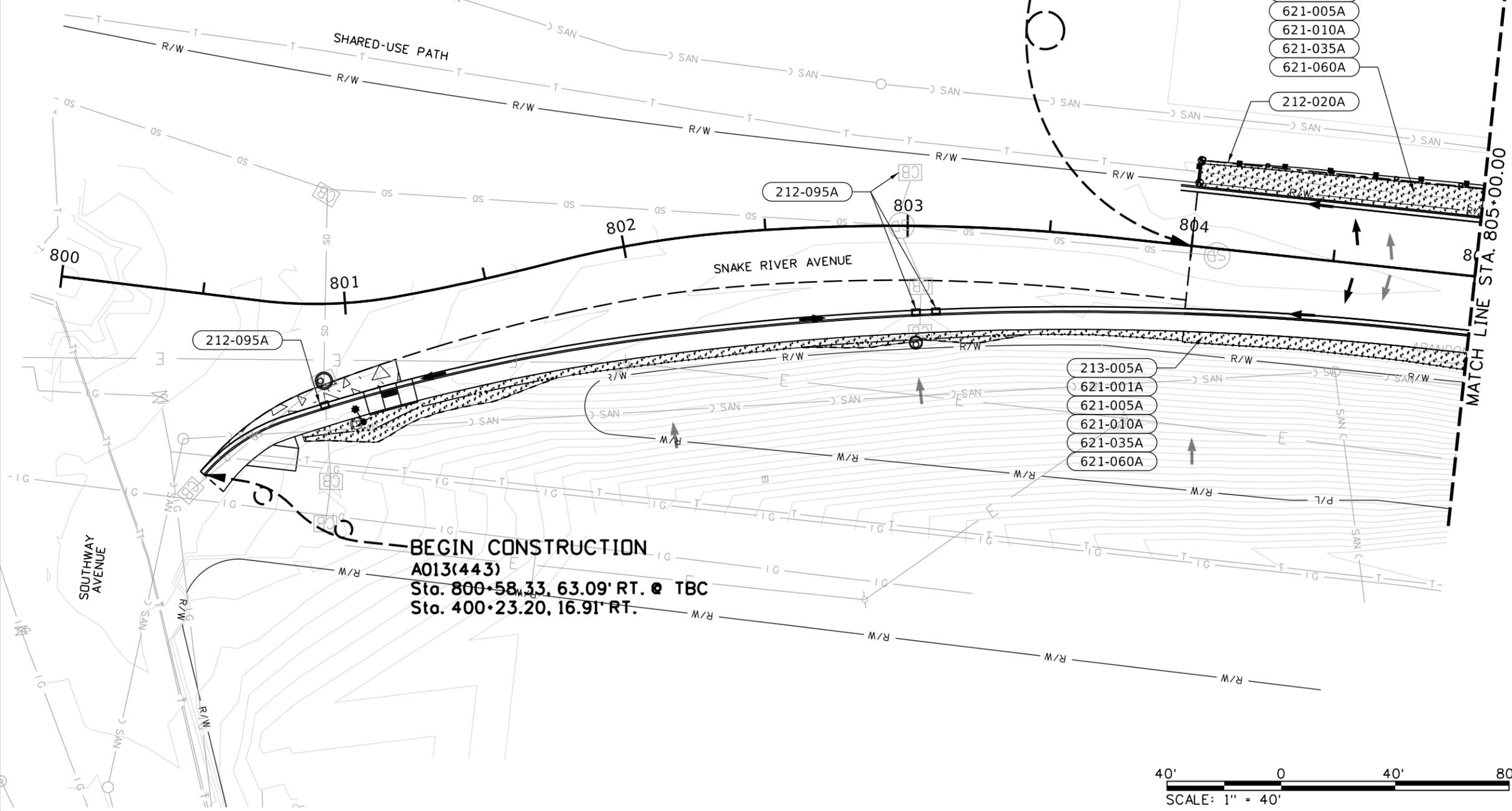
English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 33 OF 103



T.35N., R.6W., B.M.

LEGEND

-  Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
-  Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
-  Silt Fence
-  Fiber Wattles
-  Pre-Construction Direction of Water Flow
-  Post-Construction Direction of Water Flow
-  Pre-Construction Contours
-  Post-Construction Contours
-  Existing Edge of Pavement
-  New Edge of Pavement and Top Back of Curb



- 212-020A** SILT FENCE
110 LF STA 804+00, 21.0' LT. TO STA 804+00, 30.0' LT. TO STA 805+00, 32.0' LT.
- 212-095A** INLET PROTECTION
1 EACH STA. 800+92.61, 36.76' RT.
1 EACH STA. 803+00.80, 18.80' LT.
1 EACH STA. 803+03.33, 31.53' RT.
1 EACH STA. 803+10.55, 29.88' RT.
- 213-005A** TOP SOIL
31 CY STA 800+86, 45.7' RT. TO STA 805+00, 27.0' RT.
17 CY STA 804+00, 21.0' LT. TO STA 805+00, 21.0' LT.
- 621-001A** SEED
- 621-005A** SEED BED PREPARATION
- 621-010A** SEEDING
- 621-035A** FERTILIZING
- 621-060A** MULCH PLUS TACIFIER
- 0.04 AC STA. 800+86, 45.7' RT. TO STA. 805+00, 27.0' RT.
- 0.03 AC STA. 804+00, 21.0' LT. TO STA. 805+00, 21.0' LT.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_SWPP_01.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity



PROJECT NO. A013(443)

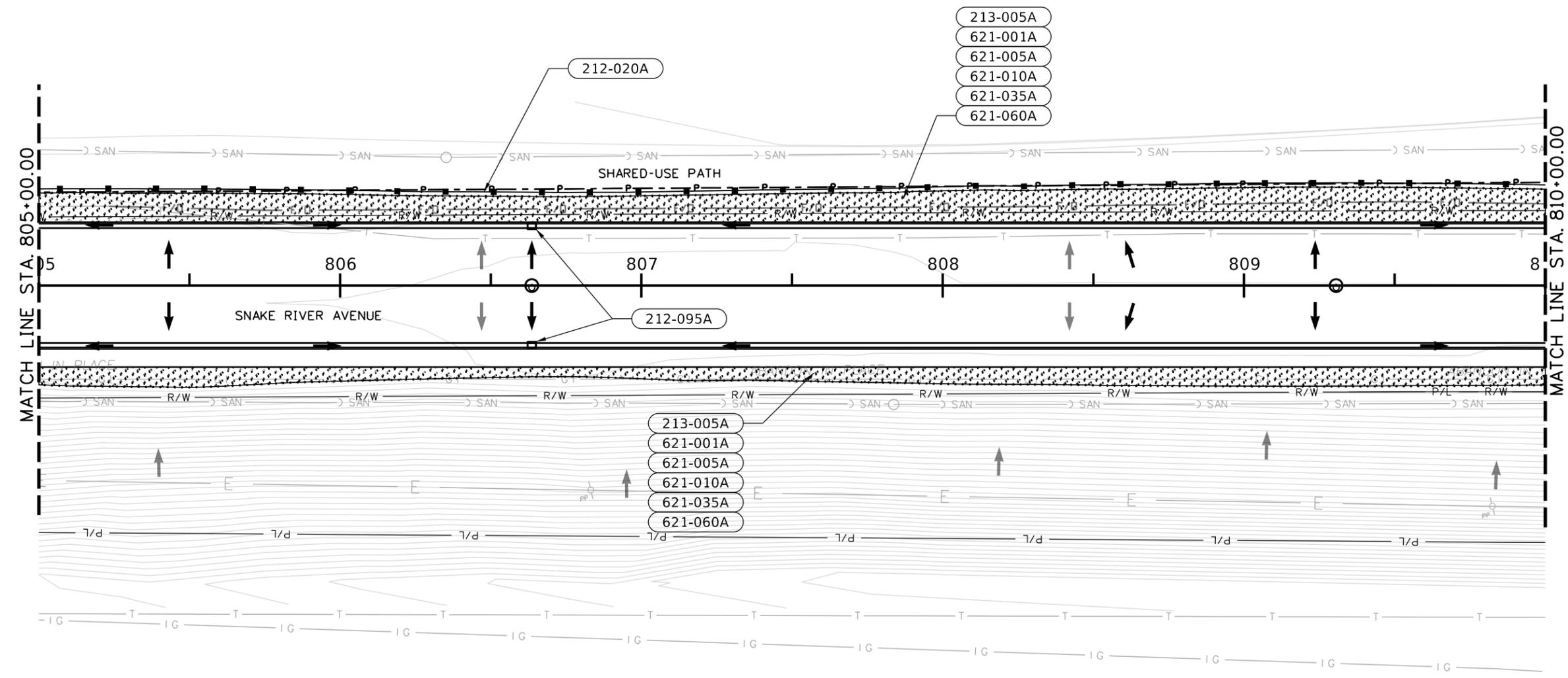
STORMWATER POLLUTION PREVENTION PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 34 OF 103



T.35N., R.6W., B.M.

- LEGEND**
- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Silt Fence
 - Fiber Wattles
 - Pre-Construction Direction of Water Flow
 - Post-Construction Direction of Water Flow
 - Pre-Construction Contours
 - Post-Construction Contours
 - Existing Edge of Pavement
 - New Edge of Pavement and Top Back of Curb



- 212-020A SILT FENCE**
500 LF STA 805+00, 32.0' LT. TO STA 810+00, 33.5' LT.
- 212-095A INLET PROTECTION**
1 EACH STA. 806+63.61, 19.75' LT.
1 EACH STA. 806+63.61, 19.75' RT.
- 213-005A TOP SOIL**
50 CY STA 805+00, 27.0' RT. TO STA 810+00, 27.0' RT.
93 CY STA 805+00, 21.0' LT. TO STA 810+00, 21.0' LT.
- 621-001A SEED**
- 621-005A SEED BED PREPARATION**
- 621-010A SEEDING**
- 621-035A FERTILIZING**
- 621-060A MULCH PLUS TACIFIER**
0.07 AC STA. 805+00, 27.0' RT. TO STA. 810+00, 27.0' RT.
0.12 AC STA. 805+00, 21.0' LT. TO STA. 810+00, 21.0' LT.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
DESIGN CHECKED
D. BARKER
DETAILED
K. ARNZEN
DRAWING CHECKED
D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
13443_SWPP_01.DGN
DRAWING DATE:
September 17, 2025

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

Horrocks.

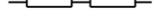
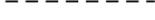
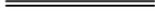
PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

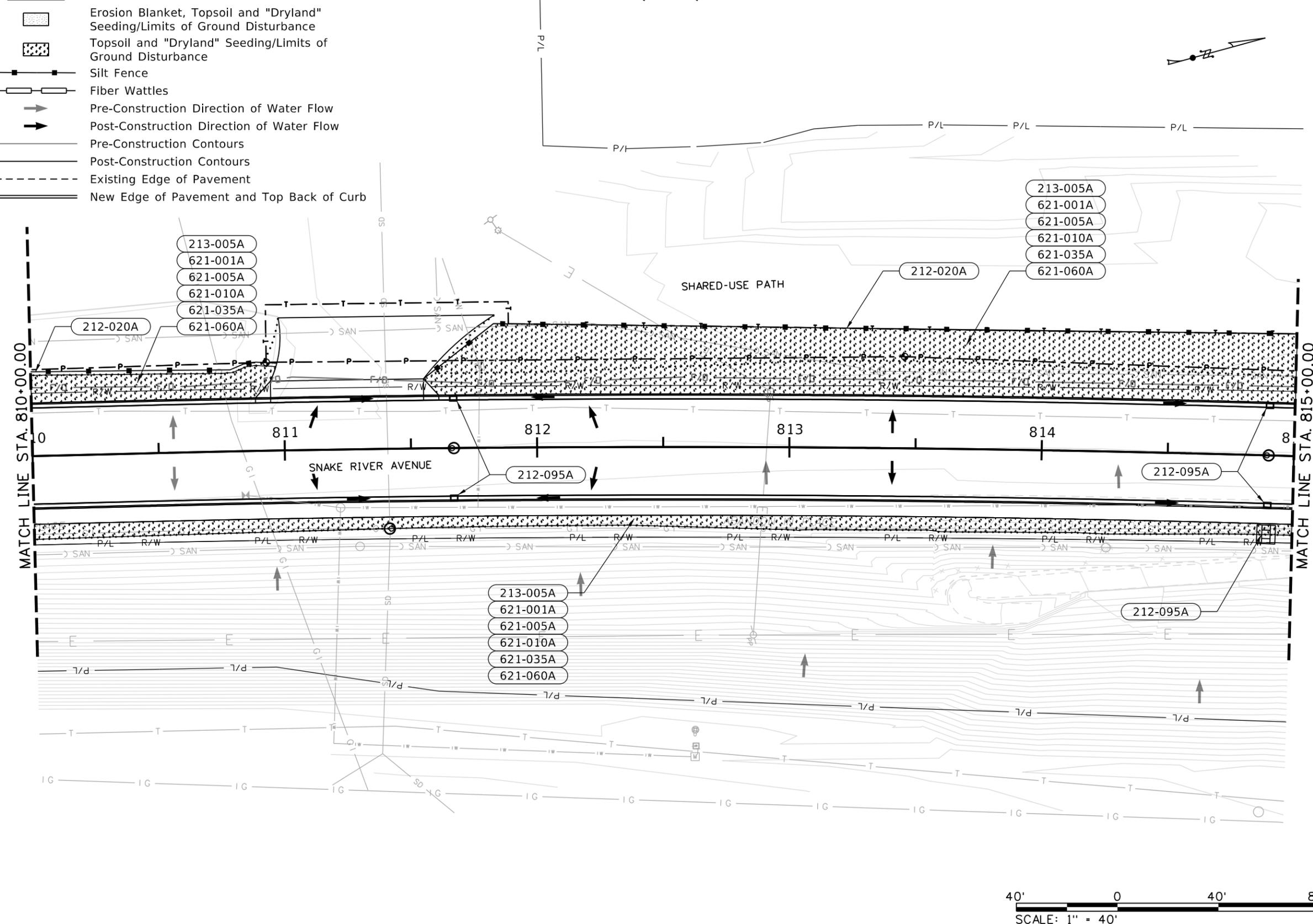
ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 35 OF 103



LEGEND

-  Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
-  Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
-  Silt Fence
-  Fiber Wattles
-  Pre-Construction Direction of Water Flow
-  Post-Construction Direction of Water Flow
-  Pre-Construction Contours
-  Post-Construction Contours
-  Existing Edge of Pavement
-  New Edge of Pavement and Top Back of Curb

T.35N., R.6W., B.M.



- 212-020A SILT FENCE**
 - 93 LF STA 810+00, 33.3' LT. TO STA 810+79, 32.3' LT. TO STA 810+97, 34.5' LT.
 - 355 LF STA 811+55, 27.5' LT. TO STA 811+83, 49.1' LT. TO STA 815+00, 48.3' LT.
- 212-095A INLET PROTECTION**
 - 1 EA STA. 811+66.95, 19.75' LT.
 - 1 EA STA. 811+66.95, 19.75' RT.
 - 1 EA STA. 814+89.80, 31.26' RT.
 - 1 EA STA. 814+90.00, 19.75' LT.
 - 1 EA STA. 814+90.00, 19.75' RT.
- 213-005A TOP SOIL**
 - 19 CY STA 810+00, 21.0' LT. TO STA 810+89, 21.0' LT.
 - 47 CY STA 810+00, 27.0' RT. TO STA 815+00, 27.0' RT.
 - 166 CY STA 811+61, 21.0' LT. TO STA 815+00, 21.0' LT.
- 621-001A SEED**
- 621-005A SEED BED PREPARATION**
- 621-010A SEEDING**
- 621-035A FERTILIZING**
- 621-060A MULCH PLUS TACIFIER**
 - 0.03 AC STA. 810+00, 21.0' LT. TO STA. 810+89, 21.0' LT.
 - 0.06 AC STA. 810+00, 27.0' RT. TO STA. 815+00, 27.0' RT.
 - 0.21 AC STA. 811+61, 21.0' LT. TO STA. 815+00, 21.0' LT.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	D. BARKER
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_SWPP_01.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

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PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN

**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY
NEZ PERCE

KEY NUMBER
13443

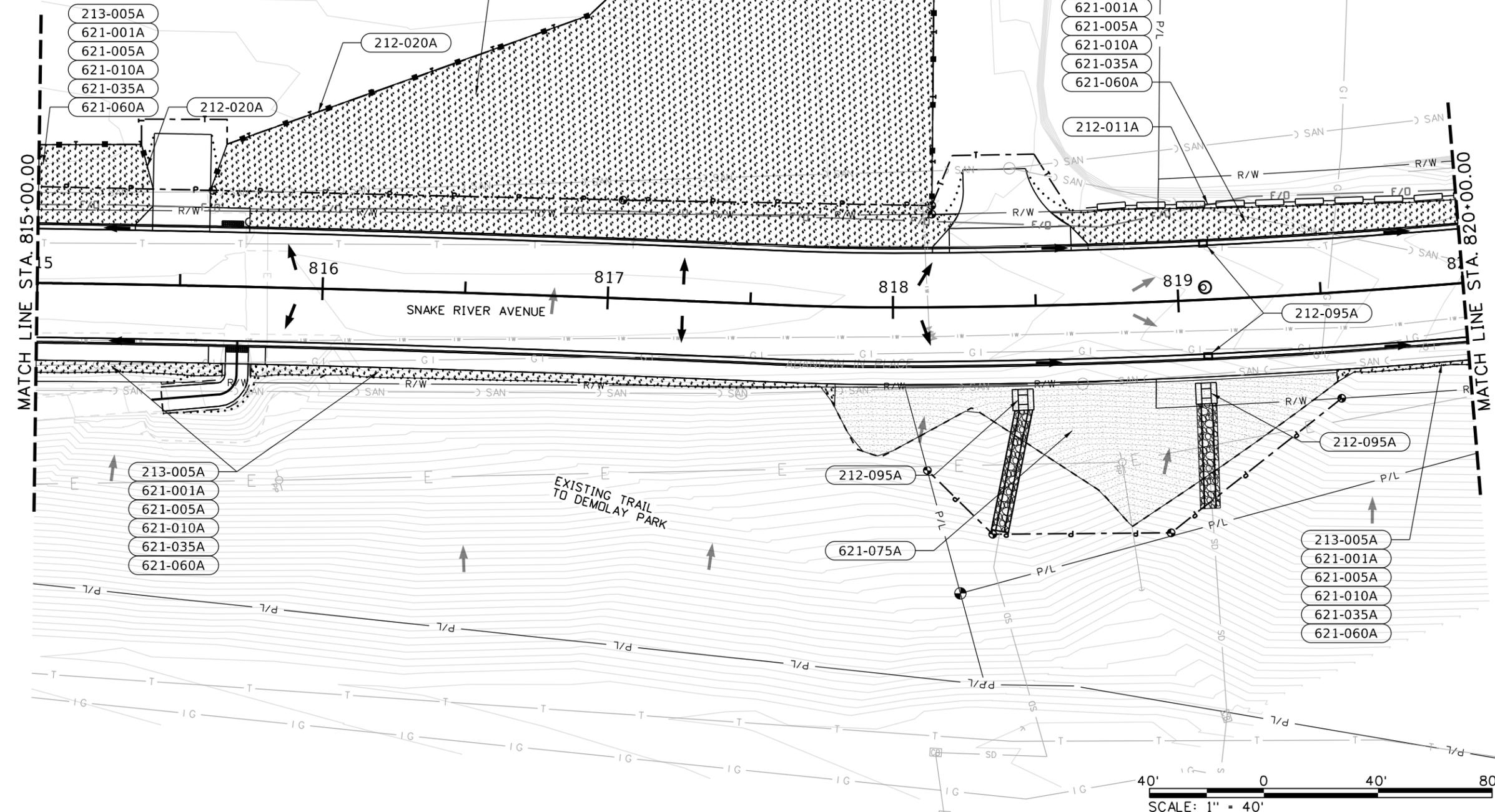
SHEET 36 OF 103



T.35N., R.6W., B.M.

LEGEND

- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Silt Fence
- Fiber Wattles
- Pre-Construction Direction of Water Flow
- Post-Construction Direction of Water Flow
- Pre-Construction Contours
- Post-Construction Contours
- Existing Edge of Pavement
- New Edge of Pavement and Top Back of Curb



212-011A	FIBER WATTLE	130 LF	STA 818+69, 33.7' LT. TO STA 820+00, 30.8' LT. TO
212-020A	SILT FENCE	52 LF	STA 815+00, 48.0' LT. TO STA 815+36, 49.0' LT. TO STA 815+40, 34.0' LT.
		439 LF	STA 815+60, 34.0' LT. TO STA 815+65, 50.0' LT. TO STA 816+90, 99.0' LT. TO STA 817+53, 164.0' LT. TO STA 818+16, 164.0' LT. TO STA 818+14, 32.0' LT. TO STA 818+23, 32.0' LT.
212-095A	INLET PROTECTION	1 EACH	STA. 818+44.93, 32.81' RT.
		1 EACH	STA. 819+08.34, 32.74' RT.
		1 EACH	STA. 819+09.60, 19.75' LT.
		1 EACH	STA. 819+09.60, 19.75' RT.
213-005A	TOP SOIL	20 CY	STA 815+00, 21.0' LT. TO STA 815+40, 21.0' LT.
		6 CY	STA 815+00, 27.0' RT. TO STA 815+66, 27.0' RT.
		406 CY	STA 815+61, 21.0' LT. TO STA 818+12, 21.0' LT.
		12 CY	STA 815+75, 27.0' RT. TO STA 817+80, 27.0' RT.
		26 CY	STA 818+63, 21.0' LT. TO STA 820+00, 21.0' LT.
		2 CY	STA 819+54, 27.0' RT. TO STA 820+00, 27.0' RT.
621-001A	SEED	0.03 AC	STA 815+00, 21.0' LT. TO STA 815+40, 21.0' LT.
621-005A	SEED BED PREPARATION	0.01 AC	STA 815+00, 27.0' RT. TO STA 815+66, 27.0' RT.
621-010A	SEEDING	0.51 AC	STA 815+61, 21.0' LT. TO STA 818+12, 21.0' LT.
621-035A	FERTILIZING	0.02 AC	STA 815+75, 27.0' RT. TO STA 817+80, 27.0' RT.
621-060A	MULCH PLUS TACIFIER	0.02 AC	STA 818+63, 21.0' LT. TO STA 820+00, 21.0' LT.
		0.02 AC	STA 819+54, 27.0' RT. TO STA 820+00, 27.0' RT.
621-075A	ROLLED EROSION CONTROL PRODUCTS	473 SY	STA. 817+80, 27.0' RT. TO STA. 819+54, 27.0' RT.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_SWPP_01.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT
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Horrocks.

PROJECT NO. A013(443)

STORMWATER POLLUTION PREVENTION PLAN

ENGLISH

SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

SHEET 37 OF 103

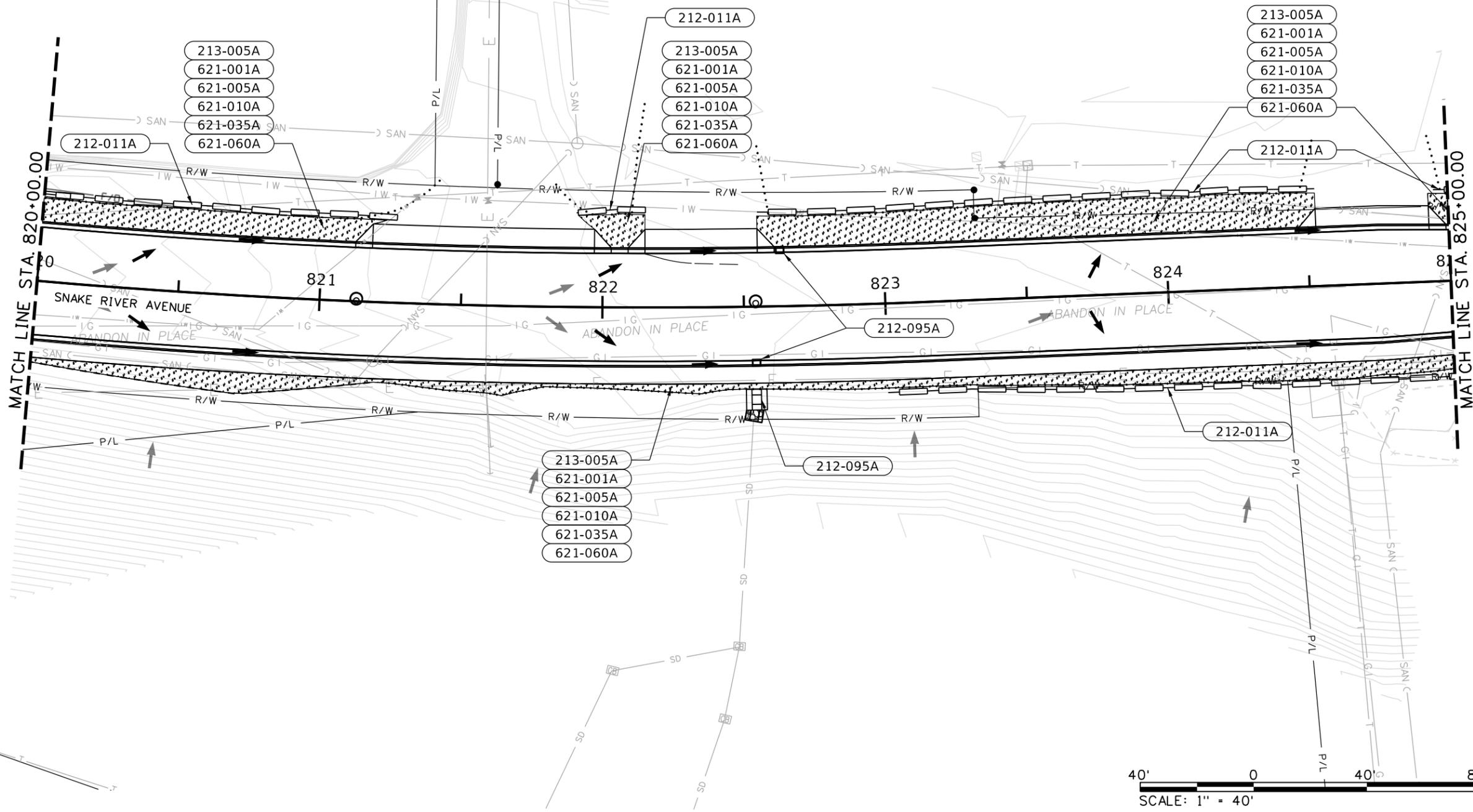
COUNTY NEZ PERCE
 KEY NUMBER 13443

PROFESSIONAL ENGINEER
 15680
 9/17/2025
 STATE OF IDAHO
 DEAN G. BARKER

T.35N., R.6W., B.M.

LEGEND

- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Silt Fence
- Fiber Wattles
- Pre-Construction Direction of Water Flow
- Post-Construction Direction of Water Flow
- Pre-Construction Contours
- Post-Construction Contours
- Existing Edge of Pavement
- New Edge of Pavement and Top Back of Curb



212-011A		FIBER WATTLE
122	LF	STA 820+00, 30.8' LT. TO STA 821+23, 30.2' LT.
25	LF	STA 821+91, 33.2' LT. TO STA 822+15, 34.3' LT.
198	LF	STA 822+55, 33.3' LT. TO STA 824+53, 34.4' LT.
200	LF	STA 823+00, 31.4' RT. TO STA 825+00, 33.6' RT.
7	LF	STA 824+93, 32.4' LT. TO STA 825+00, 32.1' LT.
212-095A		INLET PROTECTION
1	EACH	STA. 822+54.08, 32.77' RT.
1	EACH	STA. 822+54.18, 19.78' RT.
1	EACH	STA. 822+63.00, 19.78' LT.
213-005A		TOP SOIL
18	CY	STA 820+00, 21.0' LT. TO STA 821+12, 21.0' LT.
36	CY	STA 820+00, 27.0' RT. TO STA 825+00, 26.0' RT.
4	CY	STA 821+91, 21.0' LT. TO STA 822+15, 21.0' LT.
43	CY	STA 822+55, 21.0' LT. TO STA 824+53, 21.0' LT.
2	CY	STA 824+93, 21.0' LT. TO STA 825+00, 21.0' LT.
621-001A		SEED
621-005A		SEED BED PREPARATION
621-010A		SEEDING
621-035A		FERTILIZING
621-060A		MULCH PLUS TACIFIER
0.03	AC	STA. 820+00, 21.0' LT. TO STA. 821+12, 21.0' LT.
0.05	AC	STA. 820+00, 27.0' RT. TO STA. 825+00, 26.0' RT.
0.01	AC	STA. 821+91, 21.0' LT. TO STA. 822+15, 21.0' LT.
0.06	AC	STA. 822+55, 21.0' LT. TO STA. 824+53, 21.0' LT.
0.01	AC	STA. 824+93, 21.0' LT. TO STA. 825+00, 21.0' LT.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	D. BARKER
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_SWPP_01.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN

**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY
NEZ PERCE

KEY NUMBER
13443

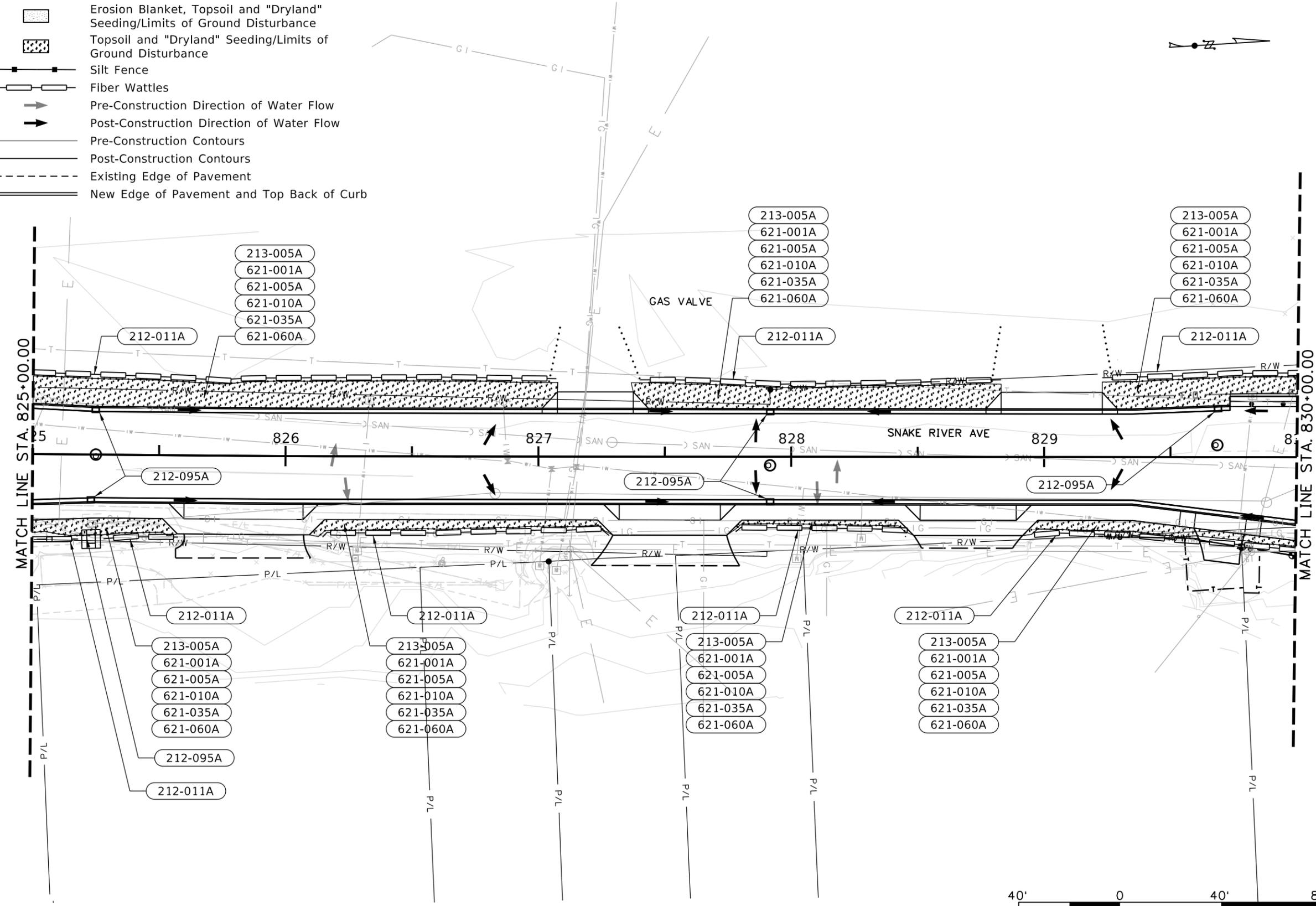
SHEET 38 OF 103



LEGEND

- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Silt Fence
- Fiber Wattles
- Pre-Construction Direction of Water Flow
- Post-Construction Direction of Water Flow
- Pre-Construction Contours
- Post-Construction Contours
- Existing Edge of Pavement
- New Edge of Pavement and Top Back of Curb

T.35N., R.6W., B.M.



212-011A FIBER WATTLE	
208 LF	STA 825+00, 32.1' LT. TO STA 827+07, 30.7' LT.
19 LF	STA 825+00, 33.5' RT. TO STA 825+18, 33.3' RT.
30 LF	STA 825+28, 33.2' RT. TO STA 825+58, 32.3' RT.
115 LF	STA 826+15, 31.9' RT. TO STA 827+30, 31.2' RT.
147 LF	STA 827+36, 30.3' LT. TO STA 828+83, 30.4' LT.
69 LF	STA 827+78, 29.6' RT. TO STA 828+45, 31.5' RT.
104 LF	STA 828+96, 30.7' RT. TO STA 830+00, 36.1' RT.
78 LF	STA 829+23, 31.3' LT. TO STA 830+00, 33.3' LT.

212-095A INLET PROTECTION	
1 EACH	STA. 825+23.24, 17.75' RT.
1 EACH	STA. 825+23.39, 33.33' RT.
1 EACH	STA. 825+24.81, 17.75' LT.
1 EACH	STA. 827+91.67, 17.76' LT.
1 EACH	STA. 827+91.67, 17.74' RT.
1 EACH	STA. 829+68.70, 19.13' LT.

213-005A TOP SOIL	
41 CY	STA 825+00, 20.0' LT. TO STA 827+08, 19.0' LT.
6 CY	STA 825+00, 26.0' RT. TO STA 825+58, 25.0' RT.
8 CY	STA 826+10, 25.0' RT. TO STA 827+30, 25.0' RT.
24 CY	STA 827+37, 19.0' LT. TO STA 828+83, 19.0' LT.
3 CY	STA 827+75, 25.0' RT. TO STA 828+49, 25.0' RT.
7 CY	STA 828+92, 25.0' RT. TO STA 830+00, 32.9' RT.
14 CY	STA 829+23, 19.0' LT. TO STA 830+00, 24.0' LT.

621-001A SEED	
621-005A SEED BED PREPARATION	
621-010A SEEDING	
621-035A FERTILIZING	
621-060A MULCH PLUS TACIFIER	
0.05 AC	STA 825+00, 20.0' LT. TO STA 827+08, 19.0' LT.
0.01 AC	STA 825+00, 26.0' RT. TO STA 825+58, 25.0' RT.
0.01 AC	STA 826+10, 25.0' RT. TO STA 827+30, 25.0' RT.
0.03 AC	STA 827+37, 19.0' LT. TO STA 828+83, 19.0' LT.
0.01 AC	STA 827+75, 25.0' RT. TO STA 828+49, 25.0' RT.
0.01 AC	STA 828+92, 25.0' RT. TO STA 830+00, 32.9' RT.
0.02 AC	STA 829+23, 19.0' LT. TO STA 830+00, 24.0' LT.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	D. BARKER
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_SWPP_01.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN

**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY
NEZ PERCE

KEY NUMBER
13443

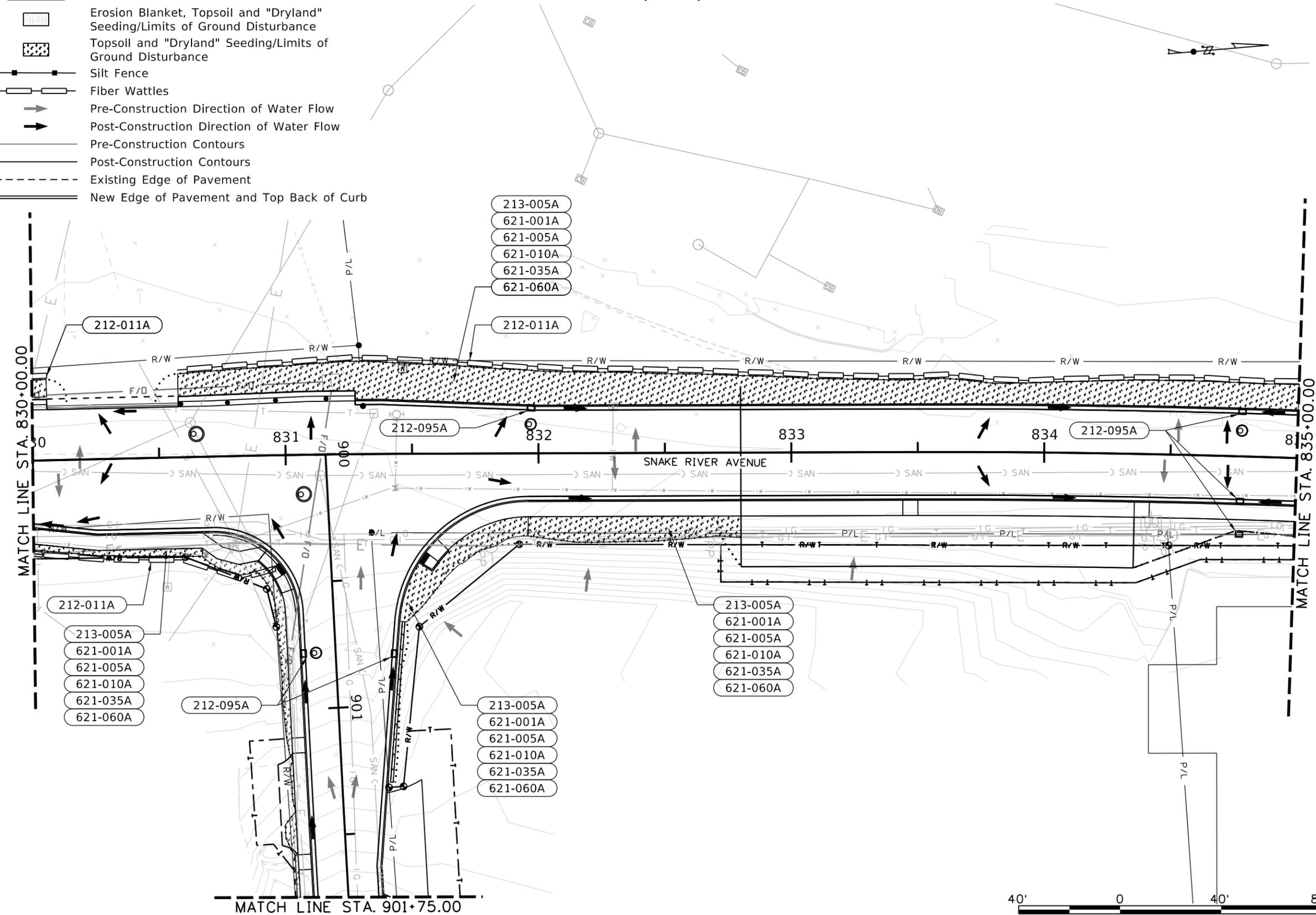
SHEET 39 OF 103



LEGEND

- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
- Silt Fence
- Fiber Wattles
- Pre-Construction Direction of Water Flow
- Post-Construction Direction of Water Flow
- Pre-Construction Contours
- Post-Construction Contours
- Existing Edge of Pavement
- New Edge of Pavement and Top Back of Curb

T.35N., R.6W., B.M.



- 212-011A FIBER WATTLE**
 - 6 LF STA 830+00, 33.3' LT. TO STA 830+06, 33.4' LT.
 - 88 LF STA 830+00, 36.8' RT. TO STA 830+59, 40.4' RT. TO STA 830+82, 48.1' RT. TO STA 830+86, 47.1' RT.
 - 445 LF STA 830+58, 34.5' LT. TO STA 831+28, 38.1' LT. TO STA 835+00, 30.1' LT.
- 212-095A INLET PROTECTION**
 - 1 EACH STA. 831+97.21, 17.79' LT.
 - 1 EACH STA. 834+77.96, 17.75' LT.
 - 1 EACH STA. 834+77.96, 17.76' RT.
 - 1 EACH STA. 834+77.96, 30.71' RT.
 - 1 EACH STA. 900+77.97, 12.73' RT.
 - 1 EACH STA. 900+79.95, 24.39' LT.
- 213-005A TOP SOIL**
 - 1 CY STA 830+00, 25.0' LT. TO STA 830+06, 25.0' LT.
 - 11 CY STA 830+00, 33.0' RT. TO STA 831+03, 174.5' RT.
 - 92 CY STA 830+58, 24.0' LT. TO STA 835+00, 19.0' LT.
 - 24 CY STA 831+45, 66.1' RT. TO STA 832+80, 25.0' RT.
- 621-001A SEED**
- 621-005A SEED BED PREPARATION**
- 621-010A SEEDING**
- 621-035A FERTILIZING**
- 621-060A MULCH PLUS TACIFIER**
 - 0.01 AC STA 830+00, 25.0' LT. TO STA 830+06, 25.0' LT.
 - 0.02 AC STA 830+00, 33.0' RT. TO STA 831+03, 174.5' RT.
 - 0.12 AC STA 830+58, 24.0' LT. TO STA 835+00, 19.0' LT.
 - 0.03 AC STA 831+45, 66.1' RT. TO STA 832+80, 25.0' RT.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	D. BARKER
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 13443_SWPP_01.DGN

DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO. A013(443)

STORMWATER POLLUTION PREVENTION PLAN

**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY NEZ PERCE

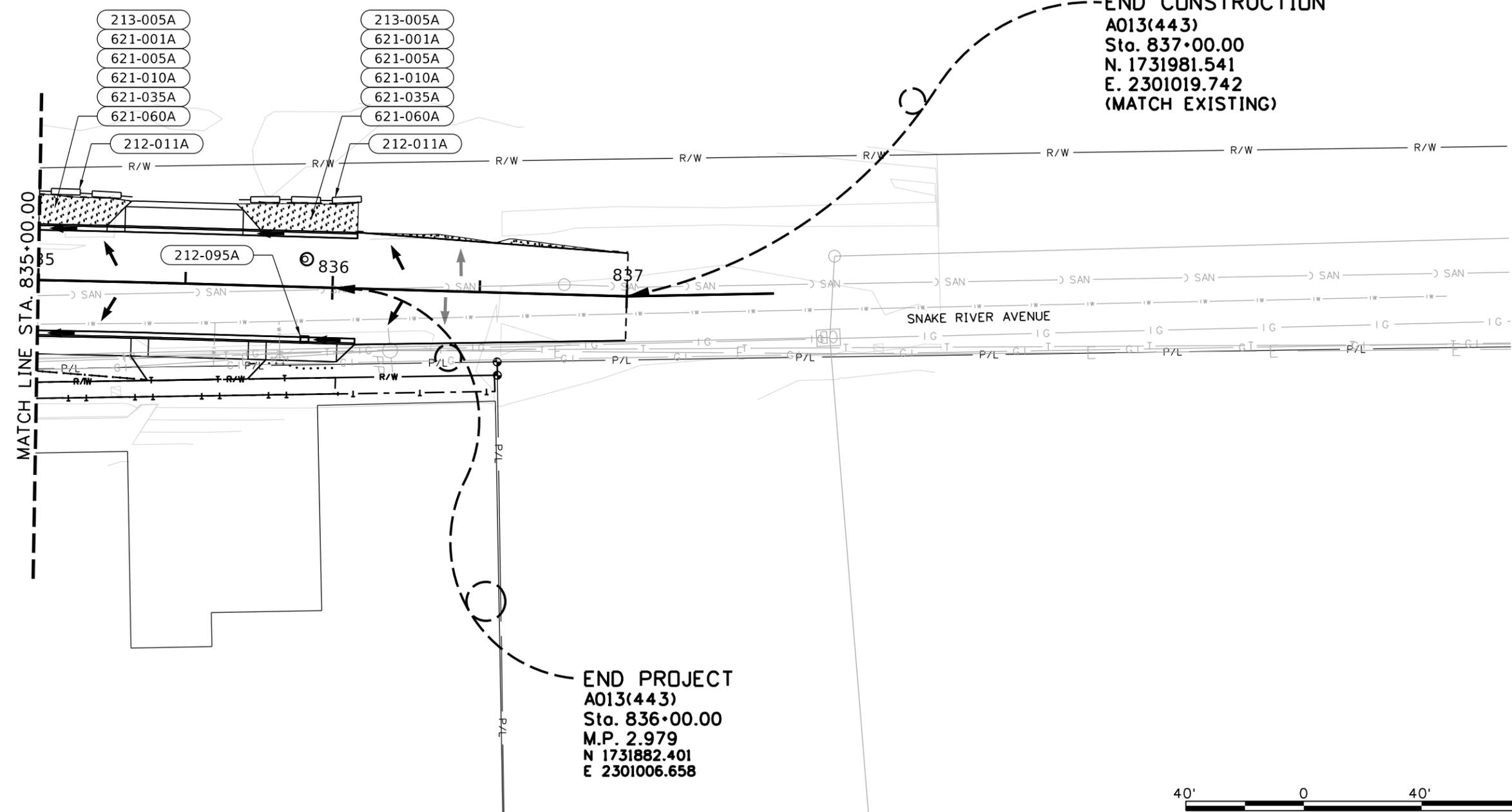
KEY NUMBER 13443

SHEET 40 OF 103



T.35N., R.6W., B.M.

- LEGEND**
- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Silt Fence
 - Fiber Wattles
 - Pre-Construction Direction of Water Flow
 - Post-Construction Direction of Water Flow
 - Pre-Construction Contours
 - Post-Construction Contours
 - Existing Edge of Pavement
 - New Edge of Pavement and Top Back of Curb



- 212-011A** FIBER WATTLE
 - 32 LF STA 835+00, 30.2' LT. TO STA 835+31, 28.9' LT.
 - 39 LF STA 835+67, 28.9' LT. TO STA 836+06, 30.0' LT.
 - 212-095A** INLET PROTECTION
 - 1 EACH STA. 835+90.95, 17.75' RT.
 - 213-005A** TOP SOIL
 - 5 CY STA 835+00, 19.0' LT. TO STA 835+23, 19.0' LT.
 - 10 CY STA 835+75, 19.0' LT. TO STA 836+95, 14.9' LT.
 - 621-001A** SEED
 - 621-005A** SEED BED PREPARATION
 - 621-010A** SEEDING
 - 621-035A** FERTILIZING
 - 621-060A** MULCH PLUS TACIFIER
- 0.01 AC STA. 835+00, 19.0' LT. TO STA. 835+23, 19.0' LT.
- 0.01 AC STA. 835+67, 19.0' LT. TO STA. 836+08, 19.0' LT.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN

DESIGN CHECKED
D. BARKER

DETAILED
K. ARNZEN

DRAWING CHECKED
D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_SWPP_01.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

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Horrocks.

PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN

ENGLISH

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

COUNTY
NEZ PERCE

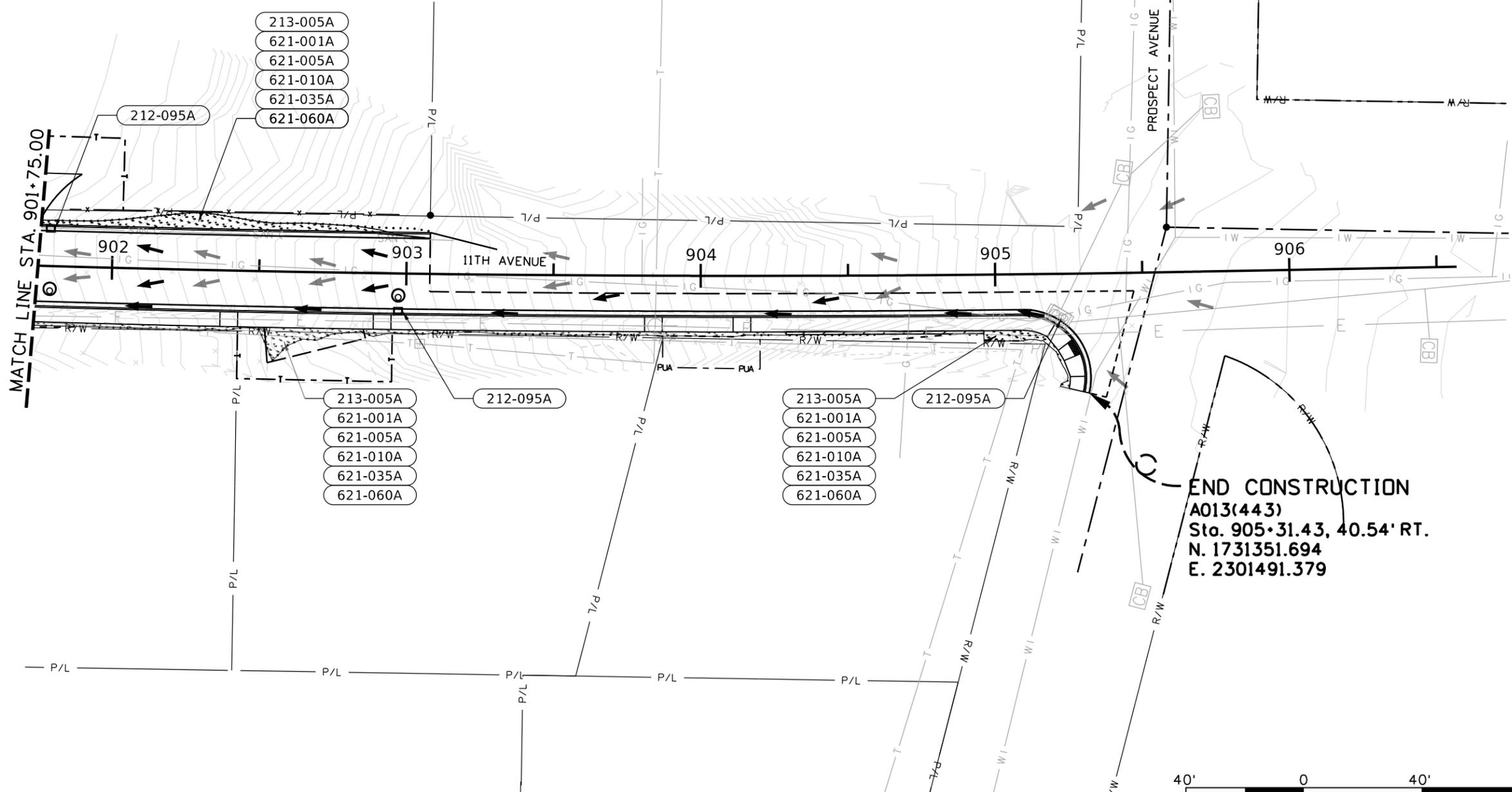
KEY NUMBER
13443

SHEET 41 OF 103



T.35N., R.6W., B.M.

- LEGEND**
- Erosion Blanket, Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Topsoil and "Dryland" Seeding/Limits of Ground Disturbance
 - Silt Fence
 - Fiber Wattles
 - Pre-Construction Direction of Water Flow
 - Post-Construction Direction of Water Flow
 - Pre-Construction Contours
 - Post-Construction Contours
 - Existing Edge of Pavement
 - New Edge of Pavement and Top Back of Curb



- 212-095A** INLET PROTECTION
- 1 EACH STA. 901+78.82, 12.75' LT.
- 1 EACH STA. 902+97.34, 12.75' RT.
- 1 EACH STA. 905+22.35, 16.45' RT.

- 213-005A** TOP SOIL
- 7 CY STA 901+75, 14.0' LT. TO STA 903+08, 12.0' LT.
- 8 CY STA 901+74, 19.0' RT. TO STA 904+29, 19.0' RT.
- 2 CY STA 904+96, 19.0' RT. TO STA 905+25, 38.8' RT.

- 621-001A** SEED
- 621-005A** SEED BED PREPARATION
- 621-010A** SEEDING
- 621-035A** FERTILIZING
- 621-060A** MULCH PLUS TACIFIER

- 0.01 AC STA. 901+75, 14.0' LT. TO STA. 903+08, 12.0' LT.
- 0.01 AC STA. 901+74, 19.0' RT. TO STA. 904+29, 19.0' RT.
- 0.01 AC STA. 904+96, 19.0' RT. TO STA. 905+25, 38.8' RT.

END CONSTRUCTION
A013(443)
 Sta. 905+31.43, 40.54' RT.
 N. 1731351.694
 E. 2301491.379



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	D. BARKER
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_SWPP_01.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO.
A013(443)

STORMWATER POLLUTION PREVENTION PLAN

ENGLISH

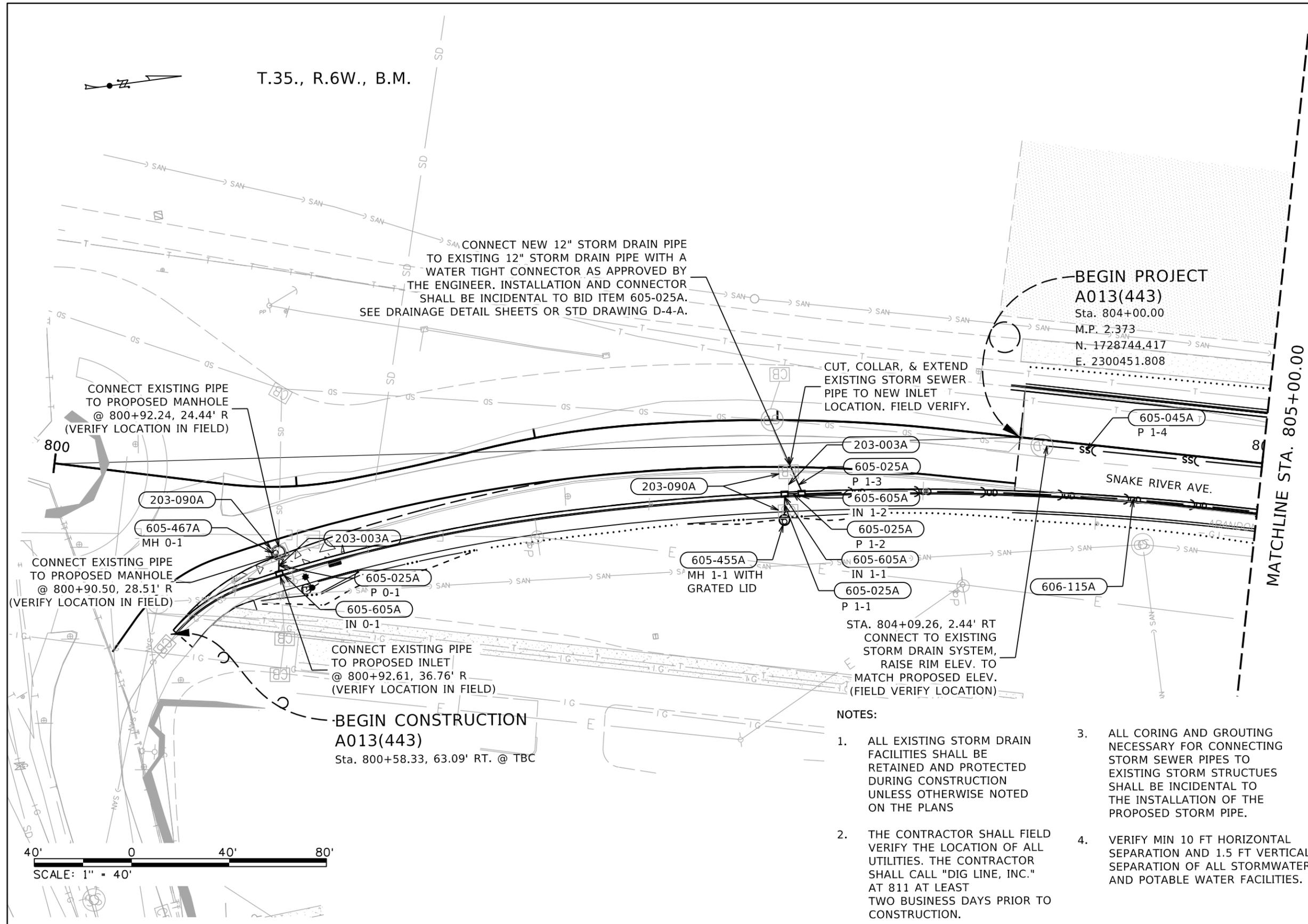
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

COUNTY
NEZ PERCE

KEY NUMBER
13443

SHEET 42 OF 103





203-003A	REMOVAL OF OBSTRUCTIONS (PIPE)
8 FT	800+92.30, 29.50' R - 800+92.61, 36.76' R
11 FT	803+05.00, 23.90' R - 803+04.77, 34.61' R
203-090A	REMOVAL OF INLET
1 EACH	800+92.17, 26.94' R
1 EACH	803+04.88, 37.40' R
1 EACH	803+04.87, 21.10' R
605-025A	12" STORM SEWER PIPE
6 FT	800+92.07, 34.56' R - 800+92.29, 29.44' R (P 0-1)
8 FT	803+03.24, 38.89' R - 803+03.32, 30.99' R (P 1-1)
5 FT	803+04.55, 30.20' R - 803+09.25, 29.94' R (P 1-2)
12 FT	803+05.35, 18.42' R - 803+10.65, 29.14' R (P 1-3)
605-045A	24" STORM SEWER PIPE
91 FT	804+09.26, 2.44' R - 805+00.00, 1.57' R (P 1-4)
605-455A	MANHOLE TYPE A
1 EACH	803+03.34, 40.88' R (MH 1-1)
605-467A	MANHOLE TYPE D
1 EACH	800+92.17, 26.94' R (MH 0-1)
605-605A	INLET TYPE 1
1 EACH	800+92.61, 36.76' R (IN 0-1)
1 EACH	803+03.33, 31.53' R (IN 1-1)
1 EACH	803+10.64, 31.11' R (IN 1-1)
606-115A	URBAN EDGE DRAIN (6")
186 FT	803+11.87, 30.04' R - 805+00.00, 20.00' R

- NOTES:**
- ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
 - THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
 - ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
 - VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG
 DESIGN CHECKED K. KAUER
 DETAILED B. SCHELLENBERG
 DRAWING CHECKED K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME DRAN_PLAN_S.DGN
 DRAWING DATE: September 17, 2025

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

Horrocks.

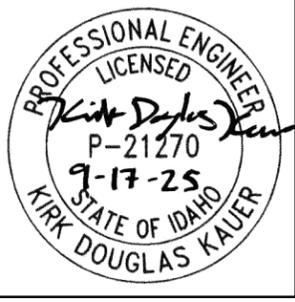
PROJECT NO. A013(443)

DRAINAGE PLAN SHEET

SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

ENGLISH

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 43 OF 103

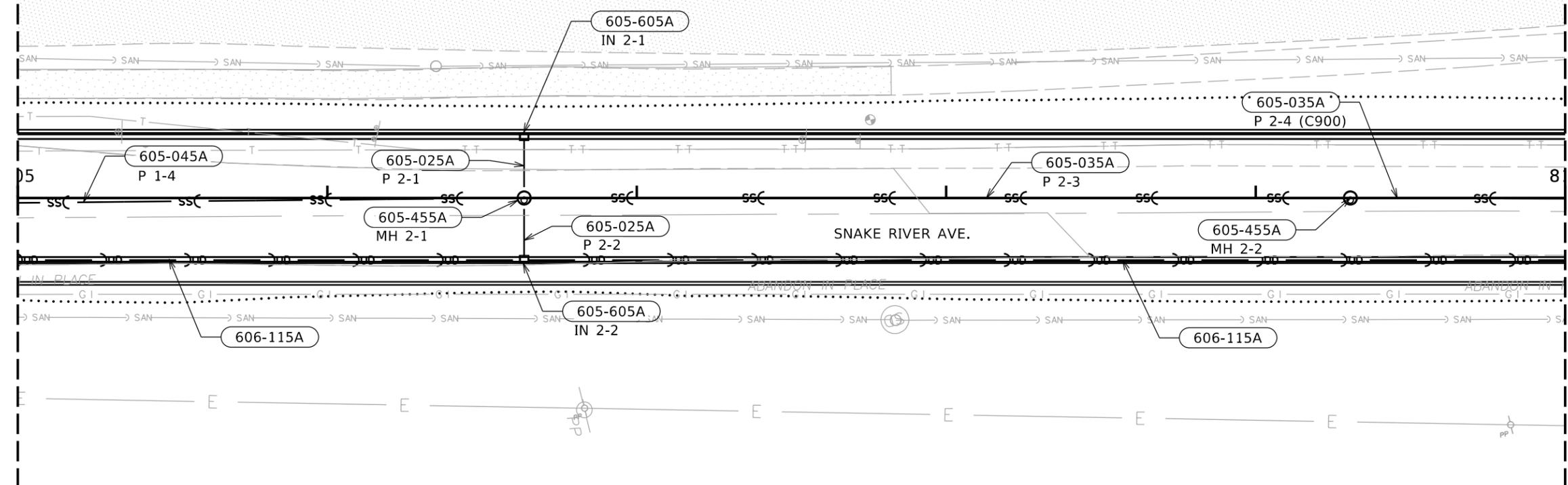




T.35., R.6W., B.M.

MATCHLINE STA. 805+00.00

MATCHLINE STA. 810+00.00



605-025A	12" STORM SEWER PIPE	18 FT	806+63.61, 19.04' L- 806+63.61, 2.00' L (P 2-1)
605-035A	18" STORM SEWER PIPE	263 FT	806+63.61, 19.04' R- 809+28.58, 0.00' (P 2-3)
605-045A	24" STORM SEWER PIPE	162 FT	809+32.58, 0.00'- 810+00.00, 0.25' R (P 2-4)
605-455A	MANHOLE TYPE A	1 EACH	806+63.61, 0.00' (MH 2-1)
		1 EACH	809+30.58, 0.00' (MH 2-2)
605-605A	INLET TYPE 1	1 EACH	806+63.61, 21.00' L (IN 2-1)
		1 EACH	806+63.61, 21.00' R (IN 2-2)
606-115A	URBAN EDGE DRAIN (6")	163 FT	805+00.00, 20.00' R- 806+62.36, 20.00' R
		335 FT	806+64.86, 20.00' R- 810+00.00, 20.00' R



NOTES:

1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
3. ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTUES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
4. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

CADD FILE NAME
DRAN PLAN S,DGN
DRAWING DATE:
September 17, 2025

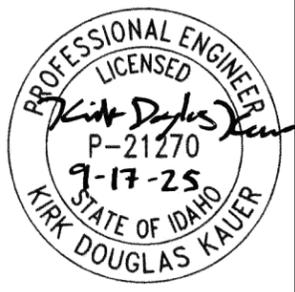
PROJECT NO.

A013(443)

DRAINAGE PLAN SHEET

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 44 OF 103

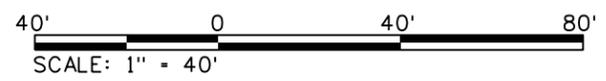
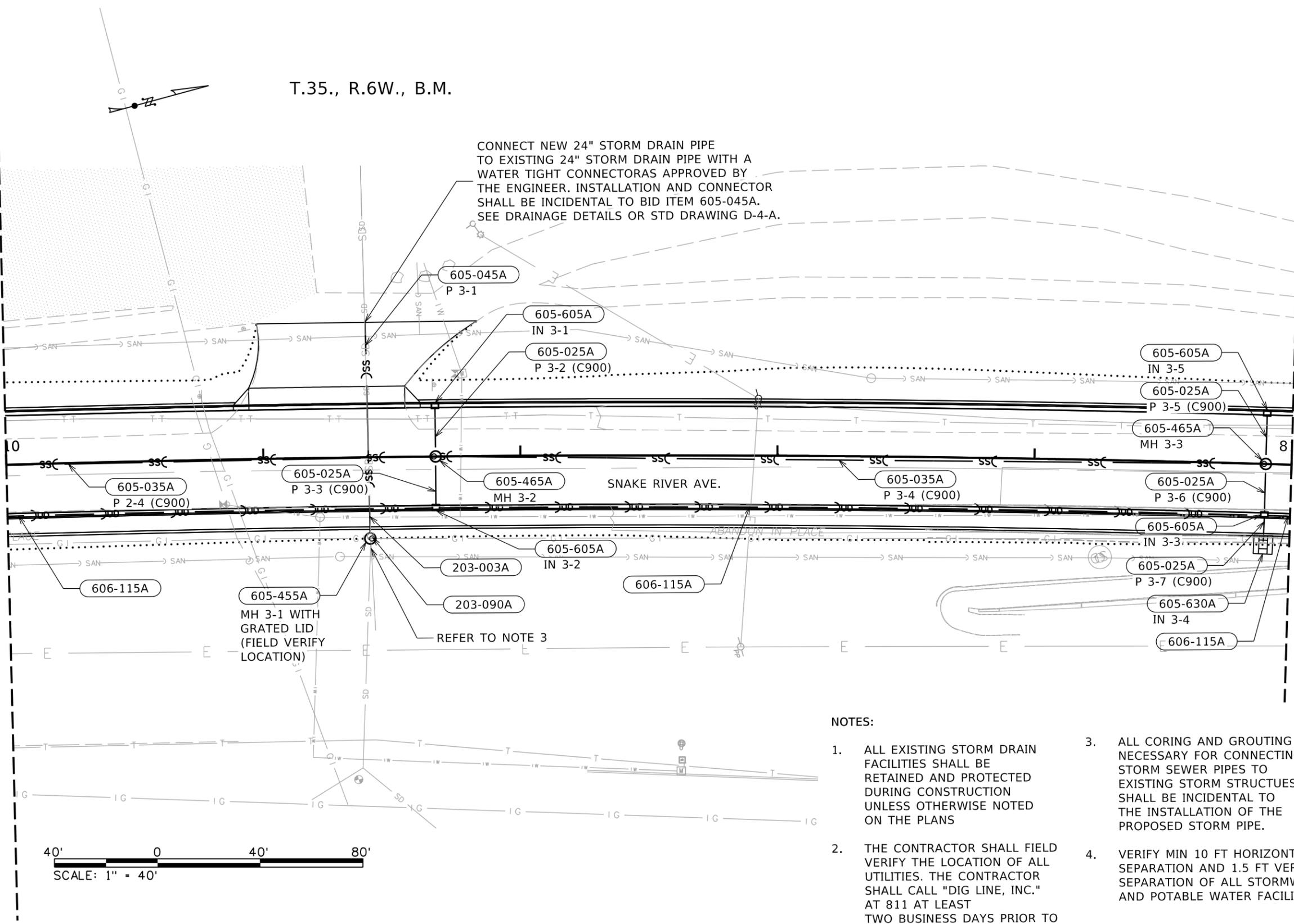


T.35., R.6W., B.M.

CONNECT NEW 24" STORM DRAIN PIPE TO EXISTING 24" STORM DRAIN PIPE WITH A WATER TIGHT CONNECTOR AS APPROVED BY THE ENGINEER. INSTALLATION AND CONNECTOR SHALL BE INCIDENTAL TO BID ITEM 605-045A. SEE DRAINAGE DETAILS OR STD DRAWING D-4-A.

MATCHLINE STA. 810+00.00

MATCHLINE STA. 815+00.00



203-003A	REMOVAL OF OBSTRUCTIONS (PIPE)	87 FT	811+41.34, 30.42' R- 811+40.26, 52.59' L
203-090A	REMOVAL OF INLET	1 EACH	811+41.34, 30.42' R
605-025A	12" STORM SEWER PIPE	18 FT	811+66.95, 19.04' L- 811+67.02, 2.00' L (P 3-2)
18 FT			811+66.95, 19.04' R- 811+67.02, 2.00' R (P 3-3)
18 FT			814+90.00, 19.04' L- 814+90.00, 2.00' L (P 3-5)
18 FT			814+90.00, 19.04' R- 814+90.00, 2.00' R (P 3-6)
10 FT			814+89.83, 29.59' R 814+90.01, 20.46' R (P 3-7)
605-035A	18" STORM SEWER PIPE	165 FT	810+00.00, 0.25' R- 811+65.02, 0.00' (P 2-4)
319 FT			811+69.02, 0.00'- 814+88.00, 0.00' (P 3-4)
605-045A	24" STORM SEWER PIPE	83 FT	811+40.26, 52.59' L- 811+41.19, 29.57' R (P 3-1)
605-455A	MANHOLE TYPE A	1 EACH	811+41.22, 31.57' R (MH 3-1)
605-465A	MANHOLE TYPE C	1 EACH	811+67.02, 0.00' (MH 3-2)
1 EACH			814+90.00, 0.00' (MH 3-3)
605-605A	INLET TYPE 1	1 EACH	811+66.95, 21.00' L (IN 3-1)
1 EACH			811+66.95, 21.00' R (IN 3-2)
1 EACH			814+90.00, 21.00' L (IN 3-5)
1 EACH			814+90.00, 21.00' R (IN 3-3)
605-630A	INLET TYPE 8	1 EACH	814+89.80, 31.26' R (IN 3-4)
606-115A	URBAN EDGE DRAIN (6")	166 FT	810+00.00, 20.00' R- 811+65.70, 20.00' R
320 FT			811+68.20, 20.00' R- 814+88.75, 20.00' R
9 FT			814+91.25, 20.00' R- 815+00.00, 20.00' R

NOTES:

- ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
- ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTUES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
- VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
DRAN PLAN S.DGN

DRAWING DATE:
September 17, 2025

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

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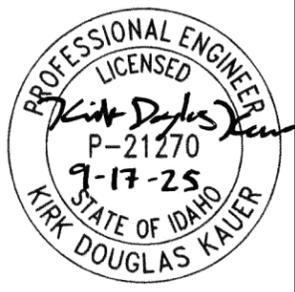
PROJECT NO.

A013(443)

DRAINAGE PLAN SHEET

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

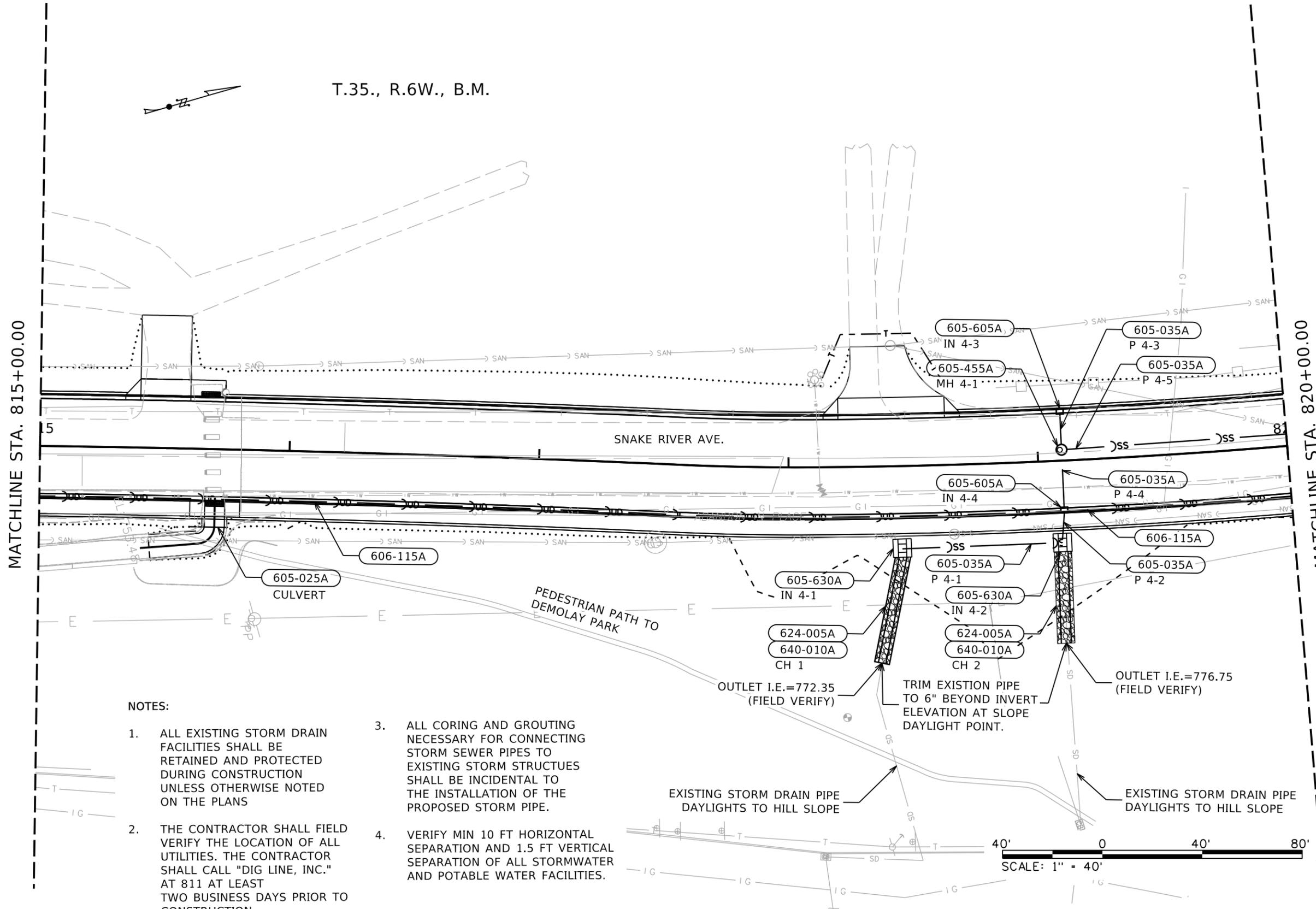
ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 45 OF 103



T.35., R.6W., B.M.

MATCHLINE STA. 815+00.00

MATCHLINE STA. 820+00.00



NOTES:

1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
3. ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
4. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.



605-025A	12" STORM SEWER PIPE	17 FT	815+63.18, 30.67' R- 815+77.17, 31.16' R (CULVERT)
605-035A	18" STORM SEWER PIPE	61 FT	818+46.58, 33.08' R- 819+06.69, 32.76' R (P 4-1) 819+08.40, 31.07' R- 819+09.64, 20.46' R (P 4-2) 819+09.59, 6.35' L- 819+09.60, 19.04' L (P 4-3) 819+09.60, 19.04' R- 819+09.61, 2.35' L (P 4-4) 819+11.60, 4.35' L- 820+00.00, 4.76' L (P 4-5)
605-455A	MANHOLE TYPE A	1 EACH	819+09.60, 4.35' L (MH 4-1)
605-605A	INLET TYPE 1	1 EACH	819+09.60, 21.00' R (IN 4-4) 819+09.60, 21.00' L (IN 4-3)
605-630A	INLET TYPE 8	1 EACH	818+44.93, 32.80' R (IN 4-1) 819+08.34, 32.74' R (IN 4-2)
606-115A	URBAN EDGE DRAIN (6")	410 FT	815+00.00, 20.00' R- 819+08.36, 20.00' R- 90 FT 819+10.84, 20.00' R- 820+00.00, 20.00' R
624-005A	LOOSE RIPRAP (CLASS I)	12 CY	818+36.00, 78.60' R- 818+45.00, 36.50' R (CH 1)
		10 CY	819+08.00, 73.00' R- 819+08.00, 36.40' R (CH 2)
640-010A	RIPRAP/EROSION CONTROL GEOTEXTILE (TYPE II)	48 SY	818+36.00, 78.60' R- 818+45.00, 36.50' R (CH 1)
		41 SY	819+08.00, 73.00' R- 819+08.00, 36.40' R (CH 2)

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K. KAUER	
DETAILED B. SCHELLENBERG	CADD FILE NAME DRAN PLAN S.DGN
DRAWING CHECKED K. KAUER	DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

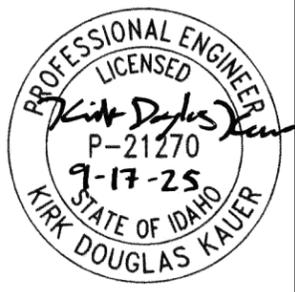
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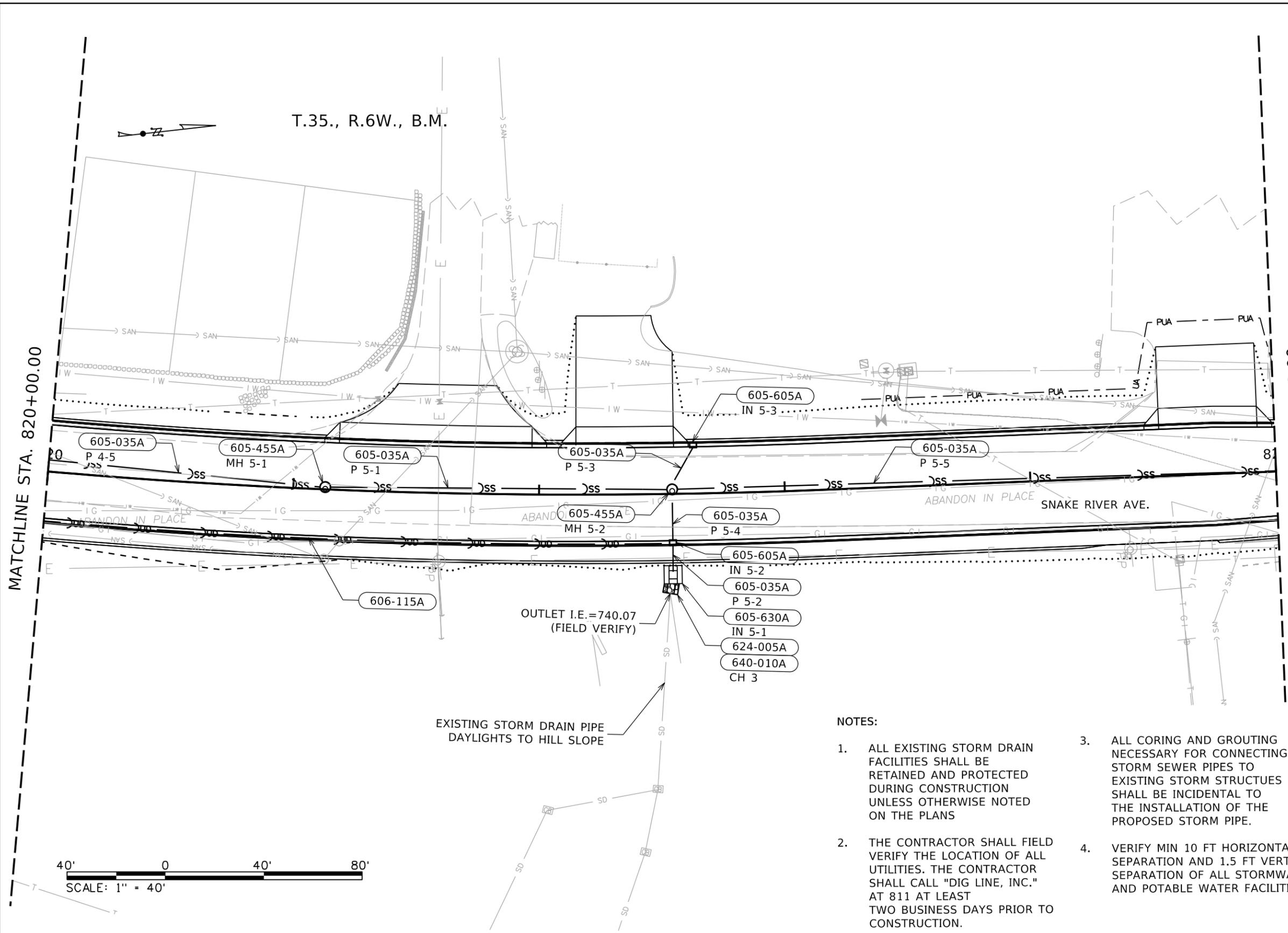
Horrocks.

PROJECT NO. A013(443)

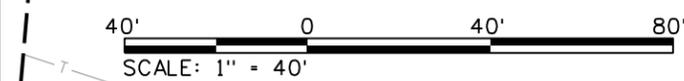
DRAINAGE PLAN SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 46 OF 103





605-035A	18" STORM SEWER PIPE
111 FT	820+00.00, 4.76' L-
	821+10.98, 0.84' L (P 4-5)
138 FT	821+14.98, 0.98' L-
	822+52.17, 1.81' L (P 5-1)
11 FT	822+54.08, 31.10' R-
	822+54.18, 20.46' R (P 5-2)
18 FT	822+54.14, 3.84' L-
	822+63.20, 19.04' L (P 5-3)
19 FT	822+54.18, 19.04' R-
	822+54.20, 0.16' R (P 5-4)
244 FT	822+56.17, 1.87' L-
	825+00.00, 0.24' L (P 5-5)
605-455A	MANHOLE TYPE A
1 EACH	821+12.98, 0.91' L (MH 5-1)
1 EACH	822+54.17, 1.84' L (MH 5-2)
605-605A	INLET TYPE 1
1 EACH	822+54.18, 21.00' R (IN 5-2)
1 EACH	822+63.00, 21.00' L (IN 5-3)
605-630A	INLET TYPE 8
1 EACH	822+54.08, 32.77' R (IN 5-1)
606-115A	URBAN EDGE DRAIN (6")
255 FT	820+00.00, 20.00' R-
	822+52.94, 20.00' R
624-005A	LOOSE RIPRAP (CLASS 1)
2 CY	822+53.00, 40.30' R-
	822+54.00, 36.40' R (CH 3)
640-010A	RIPRAP/EROSION CONTROL GEOTEXTILE (TYPE II)
4 SY	822+53.00, 40.30' R-
	822+54.00, 36.40' R (CH 3)



NOTES:

1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
3. ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
4. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

IDAHO TRANSPORTATION DEPARTMENT

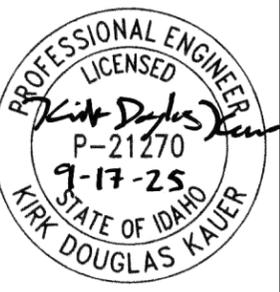
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

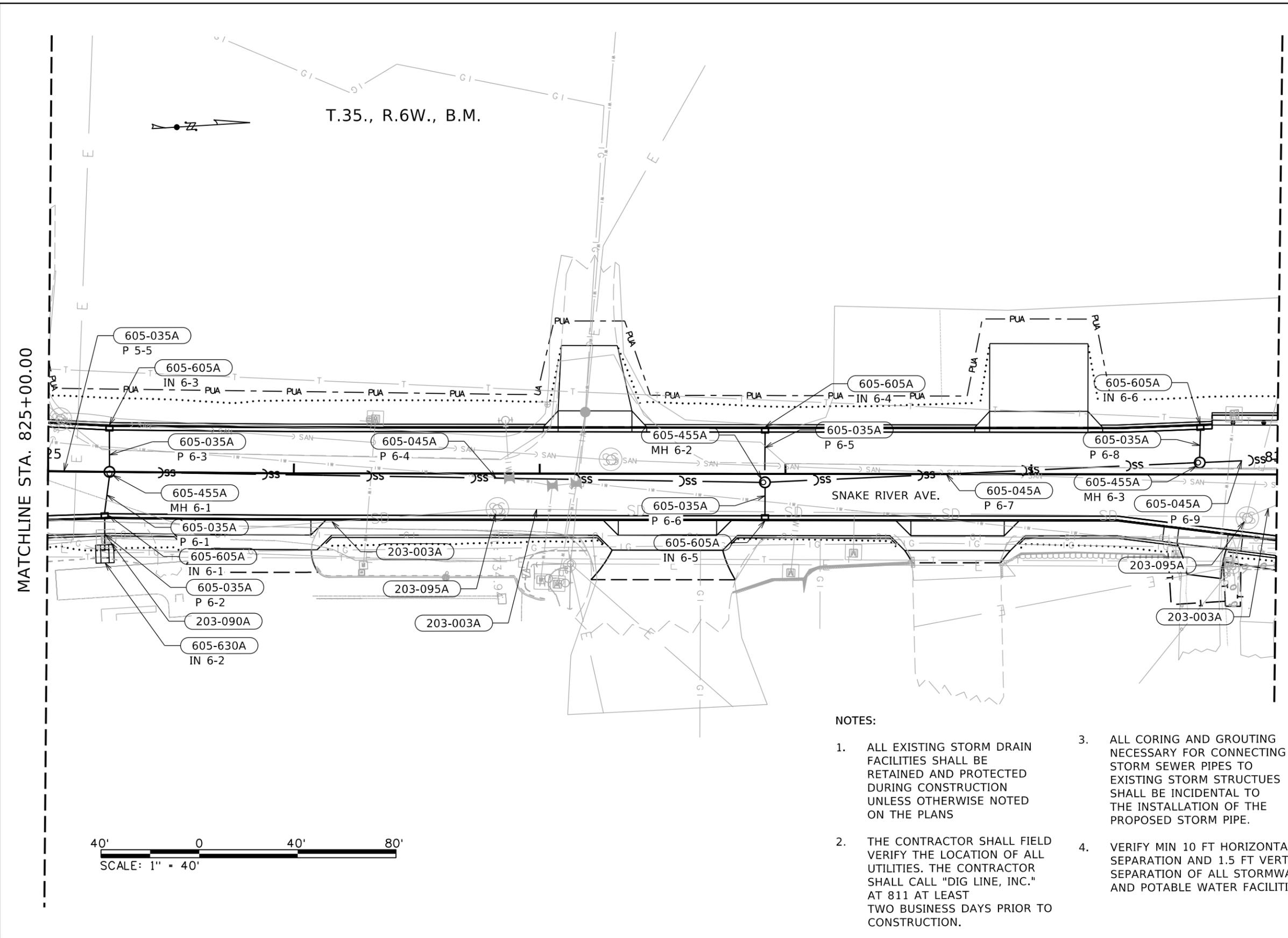
Horrocks.

PROJECT NO.
A013(443)

DRAINAGE PLAN SHEET
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 47 OF 103





203-003A	REMOVAL OF OBSTRUCTIONS (PIPE)
160 FT	825+23.90, 27.40' R-
	826+82.51, 15.77' R
306 FT	826+82.51, 15.77' R
	829+88.22, 18.68' R
13 FT	829+88.22, 18.68' R
	830+00.00, 13.72' R
203-090A	REMOVAL OF INLET
1 EACH	825+23.84, 27.44' R
203-095A	REMOVAL OF MANHOLE
1 EACH	826+82.70, 16.09' R
1 EACH	829+89.83, 20.31' R
605-035A	18" STORM SEWER PIPE
23 FT	825+00.00, 0.24' L-
	825+23.00, 0.00' L (P 5-5)
16 FT	825+23.11, 17.12' R-
	825+24.99, 2.00' R (P 6-1)
14 FT	825+23.34, 31.67' R-
	825+23.22, 18.53' R (P 6-2)
16 FT	825+24.80, 17.04' L-
	825+25.01, 2.00' L (P 6-3)
19 FT	827+91.57, 1.40' R-
	827+91.68, 17.04' L (P 6-5)
12 FT	827+91.68, 5.40' R-
	827+91.66, 17.04' R (P 6-6)
12 FT	829+68.46, 6.79' L-
	829+68.80, 18.35' L (P 6-8)
605-045A	24" STORM SEWER PIPE
263 FT	825+27.00, 0.01' R-
	827+89.62, 3.45' R (P 6-4)
174 FT	827+93.62, 3.34' R-
	829+66.50, 4.75' L (P 6-7)
30 FT	829+70.50, 4.83' L-
	830+00.00, 6.23' L (P 6-9)
605-455A	MANHOLE TYPE A
1 EACH	825+25.00, 0.00' (MH 6-1)
1 EACH	827+91.62, 3.40' R (MH 6-2)
1 EACH	829+68.50, 4.79' L (MH 6-3)
605-605A	INLET TYPE 1
1 EACH	825+23.24, 19.07' R (IN 6-1)
1 EACH	825+24.81, 19.00' L (IN 6-3)
1 EACH	827+91.67, 19.00' L (IN 6-4)
1 EACH	827+91.67, 19.00' R (IN 6-5)
1 EACH	829+68.70, 20.31' L (IN 6-6)
605-630A	INLET TYPE 8
1 EACH	825+23.39, 33.33' R (IN 6-2)

NOTES:

- ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
- ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
- VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG
 DESIGN CHECKED K. KAUER
 DETAILED B. SCHELLENBERG
 DRAWING CHECKED K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME DRAN_PLAN_S.DGN
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT
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Horrocks.

PROJECT NO. A013(443)

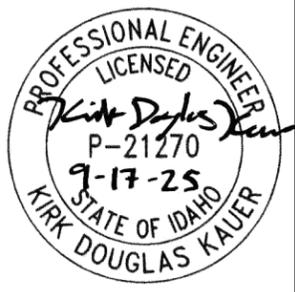
DRAINAGE PLAN SHEET
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

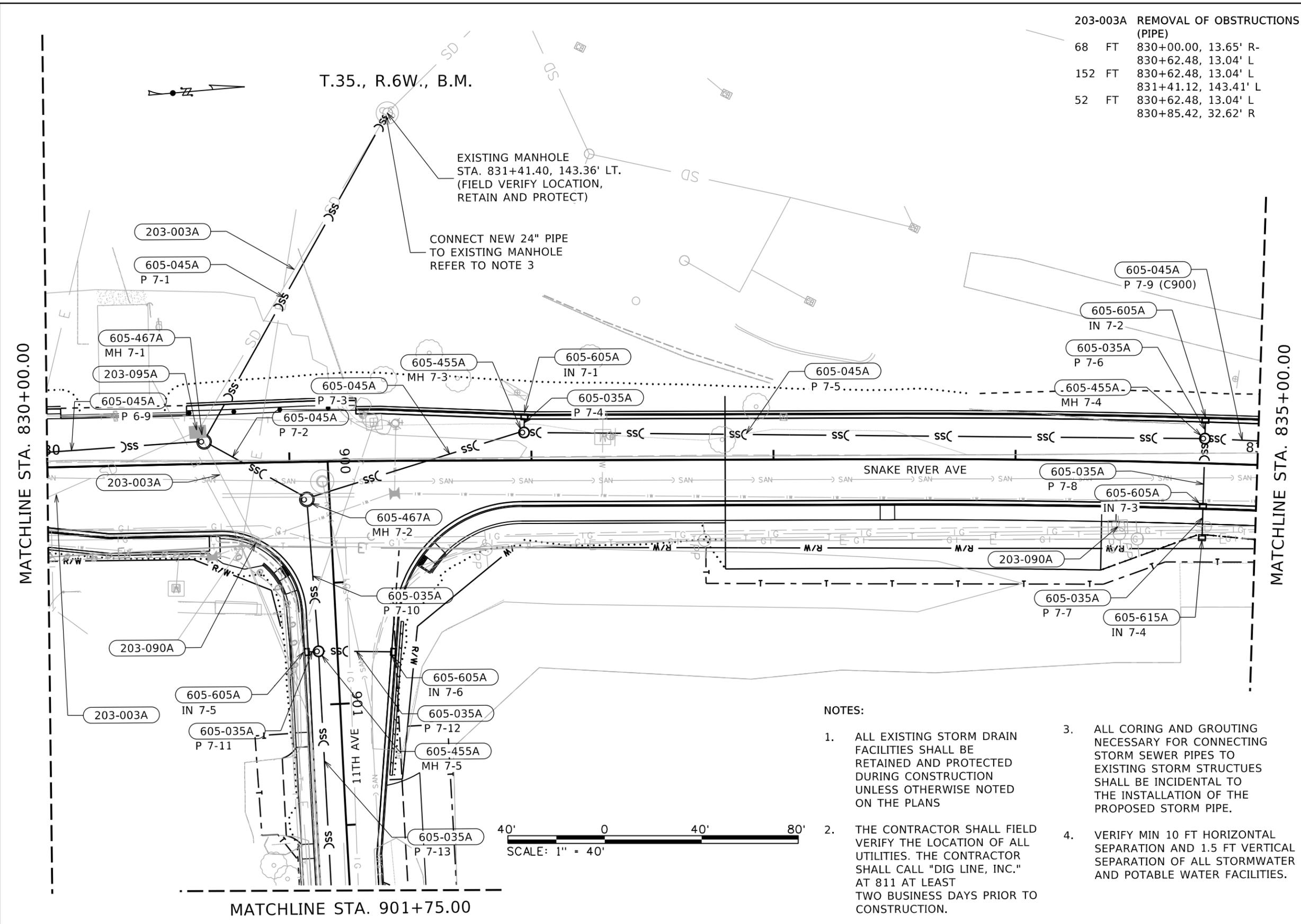
ENGLISH

COUNTY NEZ PERCE

KEY NUMBER 13443

SHEET 48 OF 103





ITEM	LENGTH	START STA	END STA	DESCRIPTION
203-003A	68 FT	830+00.00	13.65'	REMOVAL OF OBSTRUCTIONS (PIPE)
		830+62.48	13.04'	
	152 FT	830+62.48	13.04'	
		831+41.12	143.41'	
	52 FT	830+62.48	13.04'	
		830+85.42	32.62'	

203-090A	1 EACH	830+85.10	33.11'	REMOVAL OF INLET
	1 EACH	834+42.84	27.32'	
203-095A	1 EACH	830+62.33	13.30'	REMOVAL OF MANHOLE

605-035A	4 FT	831+97.13	13.50'	18" STORM SEWER PIPE
		831+97.13	17.15'	(P 7-4)
	5 FT	834+77.92	12.17'	
		834+77.96	17.04'	(P 7-6)
	12 FT	834+77.96	18.46'	
		834+77.96	18.46'	(P 7-7)
	26 FT	834+77.96	17.04'	
		834+78.00	8.17'	(P 7-8)
	59 FT	900+17.67	9.30'	
		900+75.93	7.76'	(P 7-10)
	3 FT	900+77.94	9.76'	
		900+77.97	12.02'	(P 7-11)
	29 FT	900+77.93	5.76'	
		900+79.69	22.45'	(P 7-12)
	95 FT	900+79.93	7.75'	
		901+75.00	7.69'	(P 7-13)

605-045A	63 FT	830+00.00	6.23'	24" STORM SEWER PIPE
		830+62.46	9.20'	(P 6-9)
	152 FT	830+66.03	11.32'	
		831+40.65	141.87'	(P 7-1)
	44 FT	830+67.20	7.98'	
		831+05.11	13.85'	(P 7-2)
	90 FT	831+09.24	14.41'	
		831+94.96	11.53'	(P 7-3)
	278 FT	831+98.96	11.47'	
		834+75.97	10.12'	(P 7-5)
	20 FT	834+79.95	10.21'	
		835+00.00	9.90'	(P 7-9)

605-455A	1 EACH	831+96.96	11.50'	MANHOLE TYPE A
	1 EACH	834+77.96	10.17'	(MH 7-4)
	1 EACH	900+77.93	7.76'	(MH 7-5)

605-467A	1 EACH	830+64.95	9.06'	MANHOLE TYPE D
	1 EACH	831+06.99	15.51'	(MH 7-2)

605-605A	1 EACH	831+97.21	19.11'	INLET TYPE 1
	1 EACH	834+77.96	19.00'	(IN 7-2)
	1 EACH	834+77.96	19.00'	(IN 7-3)
	1 EACH	900+77.97	13.98'	(IN 7-5)
	1 EACH	900+79.95	24.39'	(IN 7-6)

605-615A	1 EACH	834+77.96	30.71'	INLET TYPE 3
				(IN 7-4)

NOTES:

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- ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
- VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	B. SCHELLENBERG	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	K. KAUER	
DETAILED	B. SCHELLENBERG	CADD FILE NAME DRAN PLAN S.DGN
DRAWING CHECKED	K. KAUER	DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

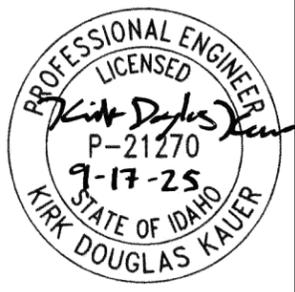
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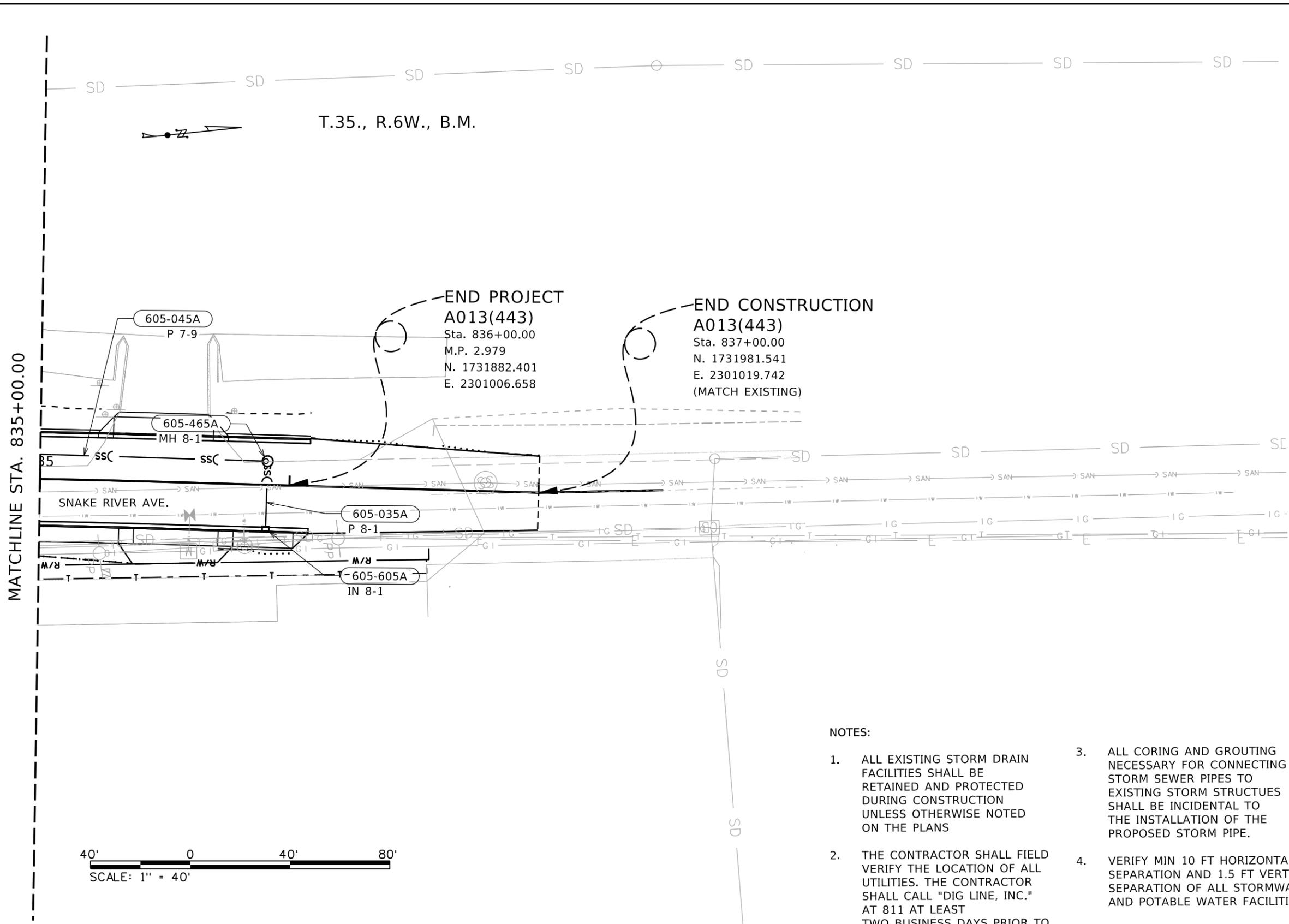
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PROJECT NO.	A013(443)
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DRAINAGE PLAN SHEET	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE
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ENGLISH	COUNTY	NEZ PERCE
	KEY NUMBER	13443
	SHEET	49 OF 103





605-035A	18" STORM SEWER PIPE
25 FT	835+91.02, 7.47' L- 835+90.95, 17.04' R (P 8-1)
605-045A	24" STORM SEWER PIPE
90 FT	835+00.00, 9.90' L- 835+89.03, 9.48' L (P 7-9)
605-465A	MANHOLE TYPE C
1 EACH	835+91.03, 9.47' L (MH 8-1)
605-605A	INLET TYPE 1
1 EACH	835+90.95, 19.00' R (IN 8-1)



- NOTES:**
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 - ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
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REVISIONS			
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DESIGNED B. SCHELLENBERG	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K. KAUER	CADD FILE NAME DRAN PLAN S.DGN
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**IDAHO
TRANSPORTATION
DEPARTMENT**

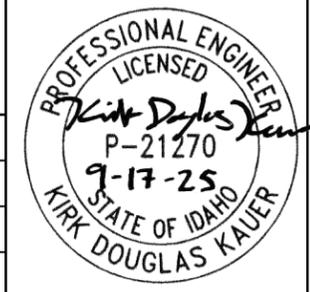
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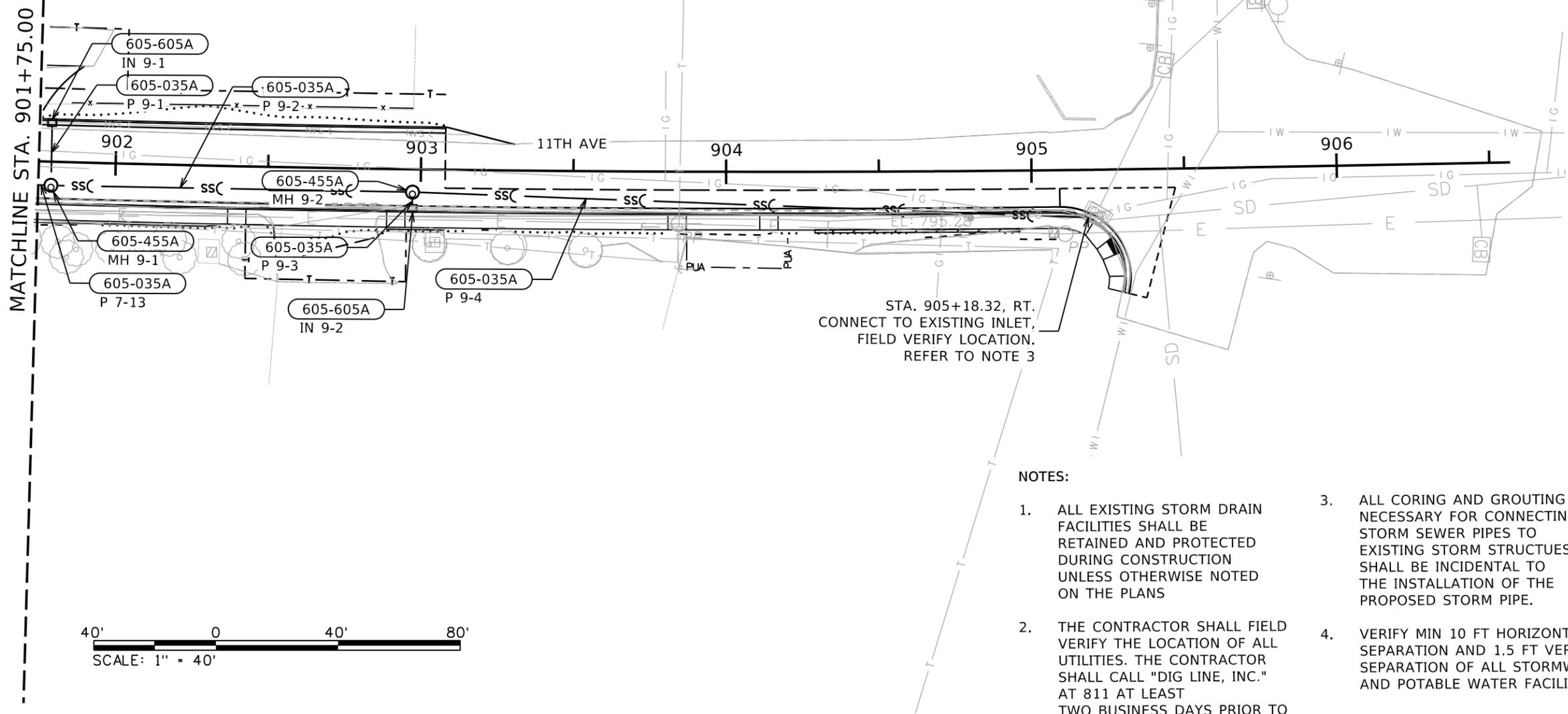
PROJECT NO.	A013(443)
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DRAINAGE PLAN SHEET	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE
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ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 50 OF 103



T.35., R.6W., B.M.



605-035A	18" STORM SEWER PIPE
3 FT	901+75.00, 7.69' R- 901+77.00, 7.70' R (P 7-13)
18 FT	901+78.82, 12.04' L- 901+79.01, 5.70' R (P 9-1)
115 FT	901+81.00, 7.71' R- 902+95.35, 7.40' R (P 9-2)
3 FT	902+97.32, 9.48' R- 902+97.35, 12.04' R (P 9-3)
220 FT	902+99.35, 7.47' R- 905+18.32, 15.58' R (P 9-4)
605-455A	MANHOLE TYPE A
1 EACH	901+79.00, 7.70' R (MH 9-1)
1 EACH	902+97.35, 7.44' R (MH 9-2)
605-605A	INLET TYPE 1
1 EACH	901+78.82, 14.00' L (IN 9-1)
1 EACH	902+97.34, 14.00' R (IN 9-2)

MATCHLINE STA. 901+75.00

STA. 905+18.32, RT.
CONNECT TO EXISTING INLET,
FIELD VERIFY LOCATION.
REFER TO NOTE 3



NOTES:

1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIG LINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
3. ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE PROPOSED STORM PIPE.
4. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
DRAN_PLAN_S.DGN
DRAWING DATE:
September 17, 2025

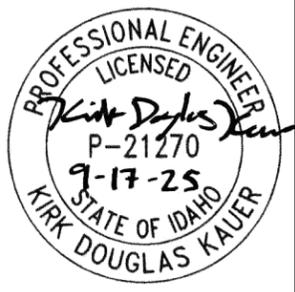
IDAHO TRANSPORTATION DEPARTMENT
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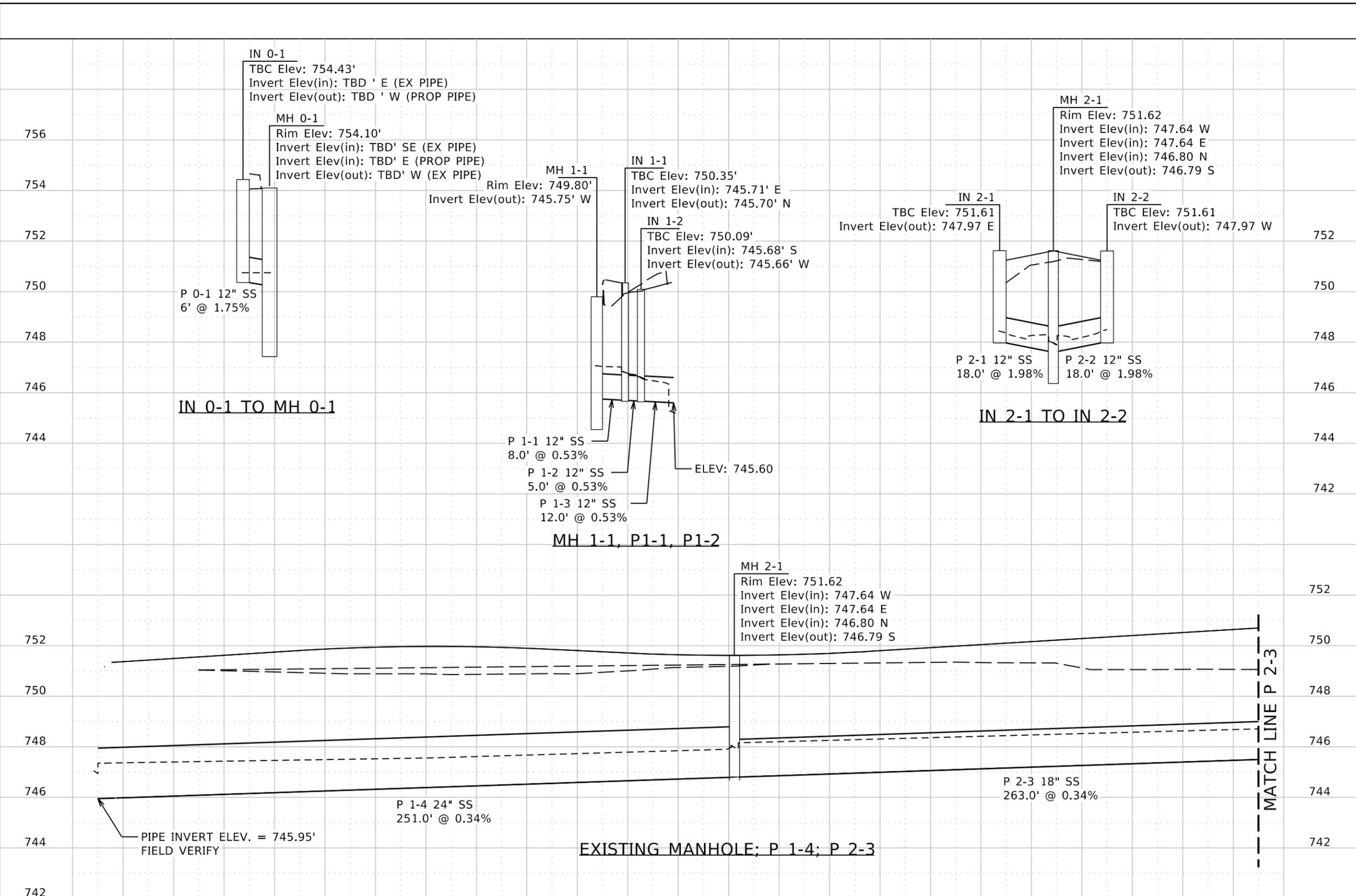
Horrocks.

PROJECT NO.
A013(443)

DRAINAGE PLAN SHEET
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE**

ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 51 OF 103





- NOTES:**
1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
 2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. TH CONTRACTOR SHALL CALL "DIGLINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
 3. ALL CORING AND GROUTING NECESSARY FOR CONNECTING STORM SEWER PIPES TO EXISTING STORM STRUCTURES OR PIPES SHALL BE INCIDENTAL TO THE STORM SEWER PIPE.
 4. FIELD VERIFY EXISTING ELEVATIONS AND POSSIBLE CONFLICTS WITH EXISTING UTILITIES; REFER TO UTILITY PLAN SHEETS. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

- LEGEND:**
- PROPOSED SURFACE
 - EXISTING GROUND
 - 100 YR STORM HGL

PROFILE SHEET SCALE: 1":40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. Schellenberg

DESIGN CHECKED
K. Kauer

DETAILED
B. Schellenberg

DRAWING CHECKED
K. Kauer

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
DRAN_PROF_S.DGN

DRAWING DATE:
September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

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PROJECT NO.
A013(443)

DRAINAGE PROFILE SHEET

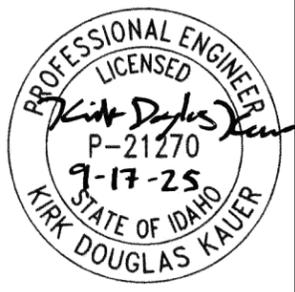
Snake River Ave
Southway Br to 11th Ave

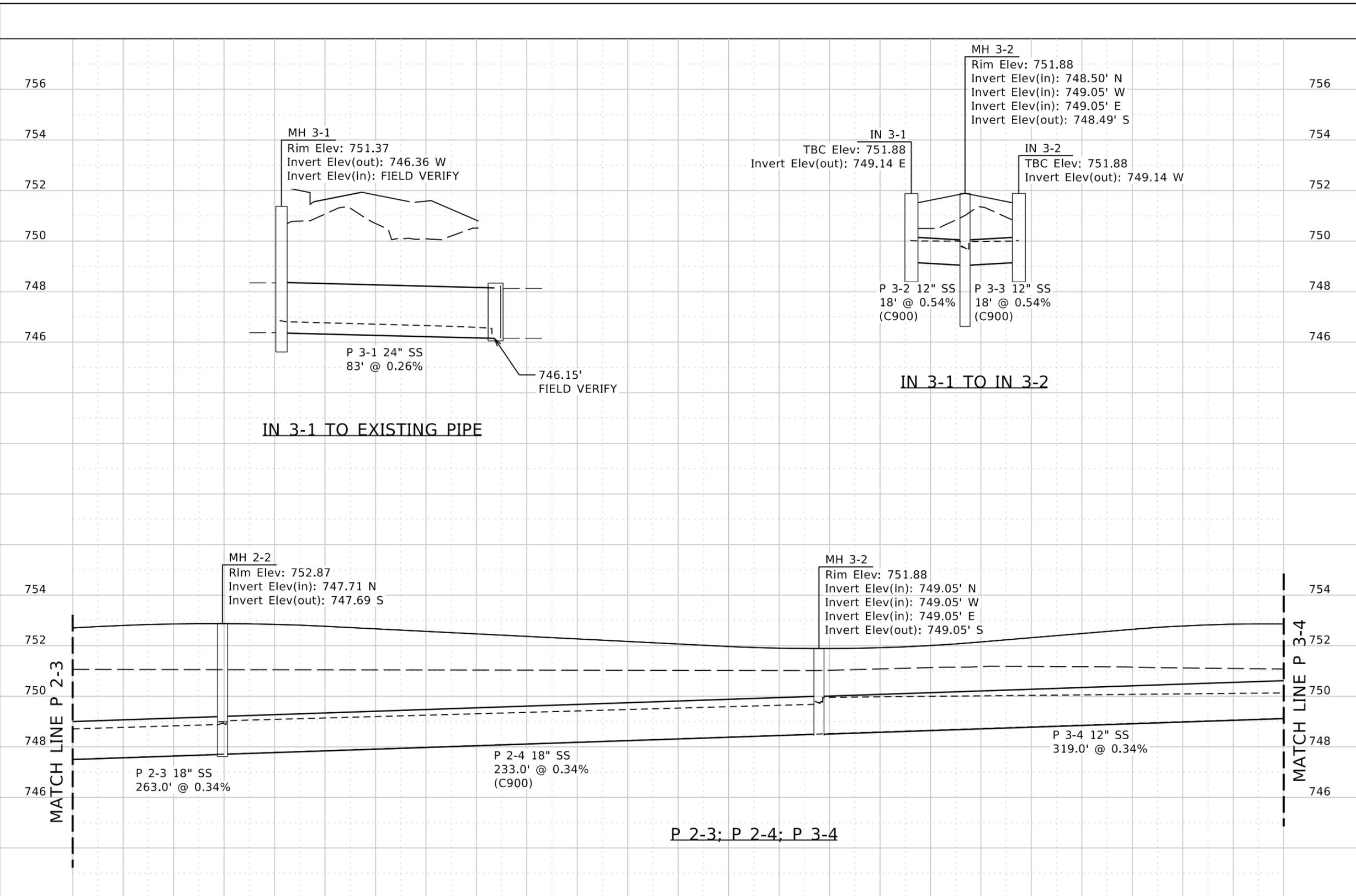
ENGLISH

COUNTY
NEZ PERCE

KEY NUMBER
13443

SHEET 52 OF 103





- NOTES:**
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- LEGEND:**
- PROPOSED SURFACE
 - EXISTING GROUND
 - 100 YR STORM HGL

PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	B. Schellenberg
DESIGN CHECKED	K. Kauer
DETAILED	B. Schellenberg
DRAWING CHECKED	K. Kauer

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME DRAN_PROF_S.DGN
DRAWING DATE: September 17, 2025

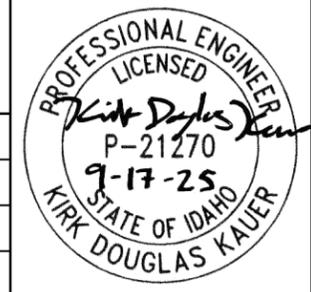
IDAHO TRANSPORTATION DEPARTMENT

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Horrocks.

PROJECT NO.	A013(443)
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DRAINAGE PROFILE SHEET	ENGLISH
	COUNTY NEZ PERCE
	KEY NUMBER 13443
	SHEET 53 OF 103

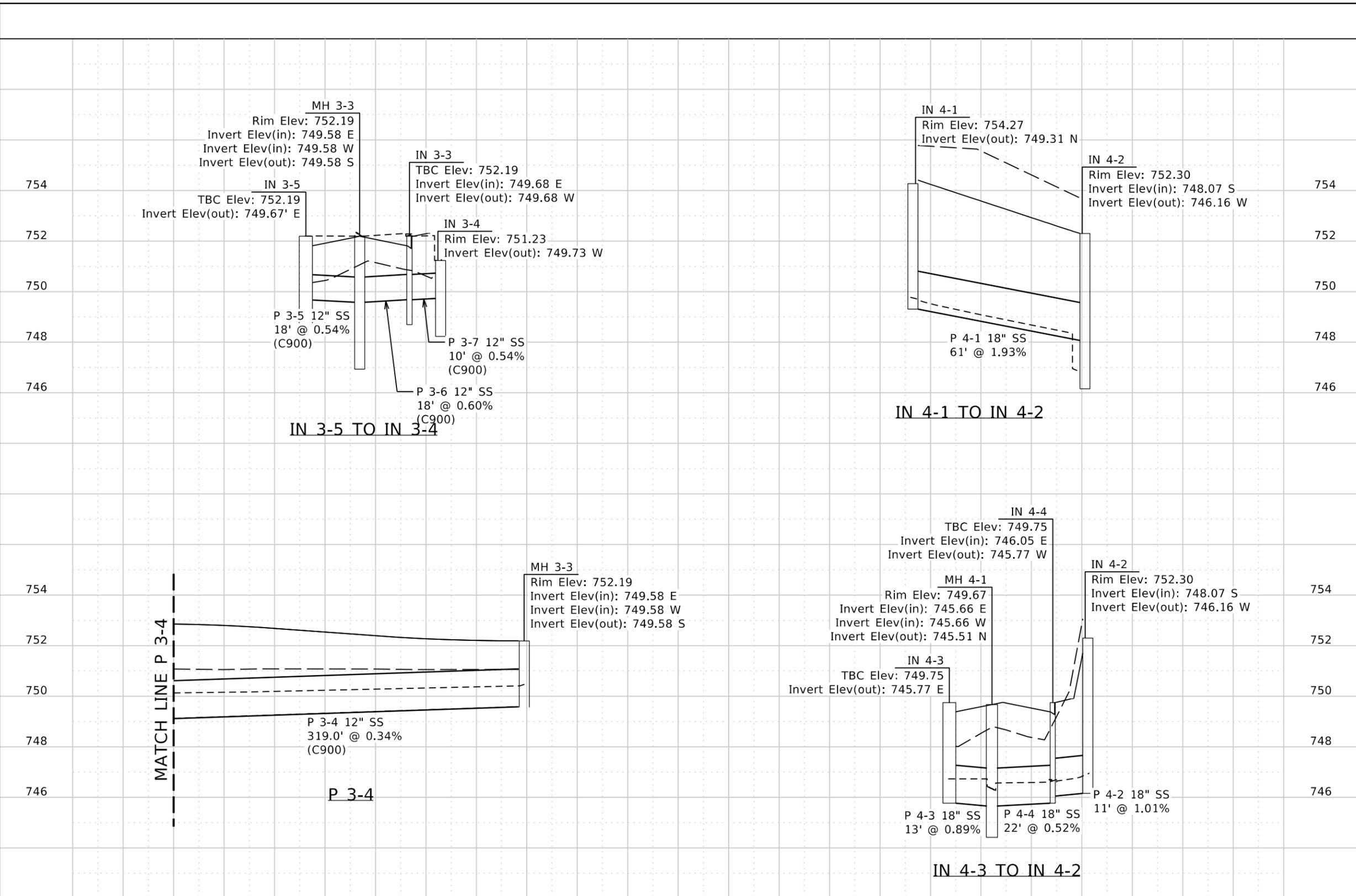


NOTES:

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2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL "DIGLINE, INC." AT 811 AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
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4. FIELD VERIFY EXISTING ELEVATIONS AND POSSIBLE CONFLICTS WITH EXISTING UTILITIES; REFER TO UTILITY PLAN SHEETS. VERIFY MIN 10 FT HORIZONTAL SEPARATION AND 1.5 FT VERTICAL SEPARATION OF ALL STORMWATER AND POTABLE WATER FACILITIES.

LEGEND:

- PROPOSED SURFACE
- EXISTING GROUND
- 100 YR STORM HGL



PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

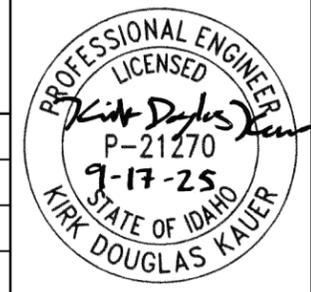
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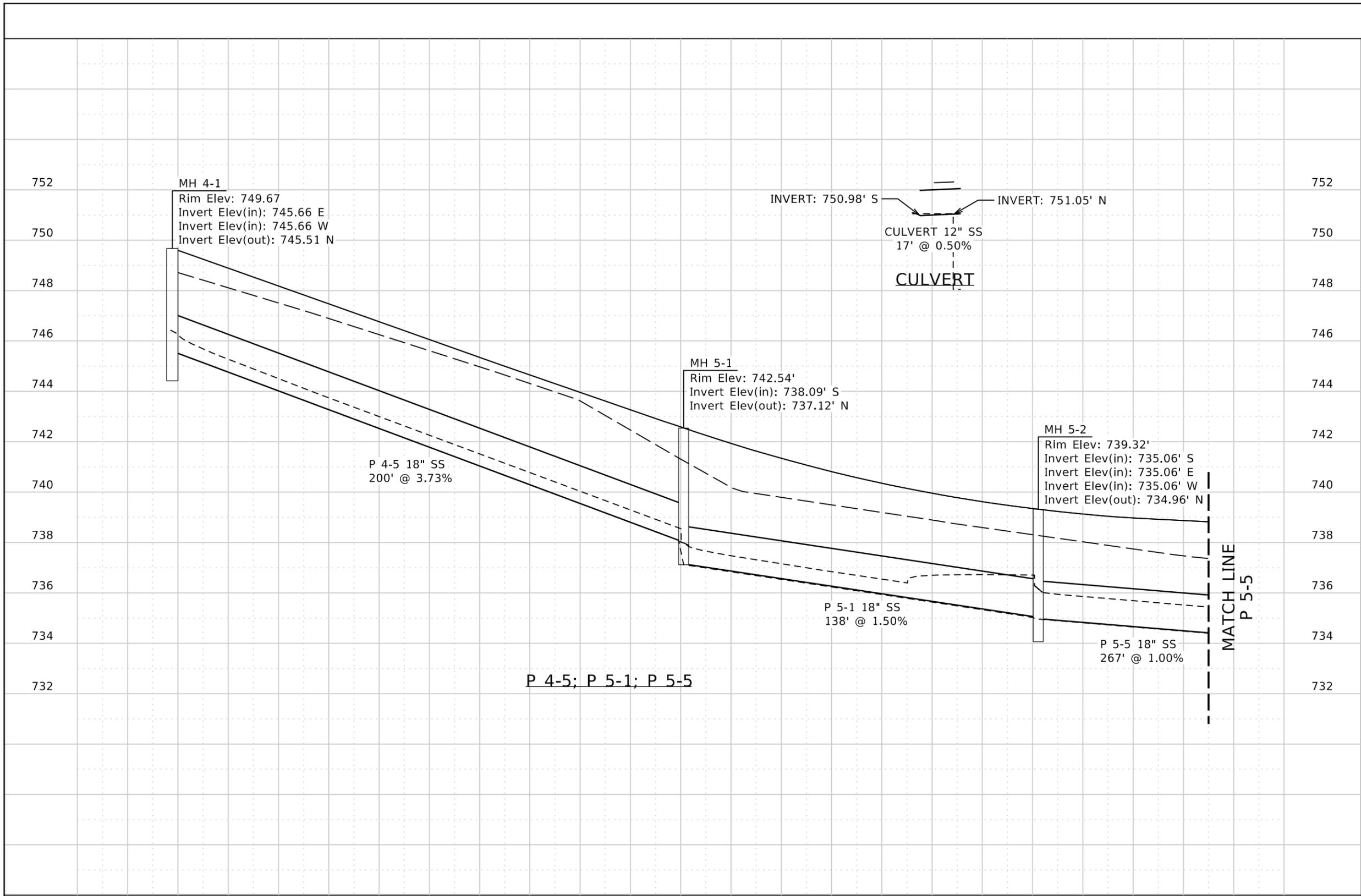
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PROJECT NO.	A013(443)
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DRAINAGE PROFILE SHEET	ENGLISH
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE	COUNTY NEZ PERCE
	KEY NUMBER 13443
	SHEET 54 OF 103





- NOTES:**
1. ALL EXISTING STORM DRAIN FACILITIES SHALL BE RETAINED AND PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS
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- LEGEND:**
- PROPOSED SURFACE (solid line)
 - EXISTING GROUND (dashed line)
 - 100 YR STORM HGL (dotted line)

PROFILE SHEET SCALE: 1":40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. Schellenberg
 DESIGN CHECKED K. Kauer
 DETAILED B. Schellenberg
 DRAWING CHECKED K. Kauer

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IDAHO TRANSPORTATION DEPARTMENT

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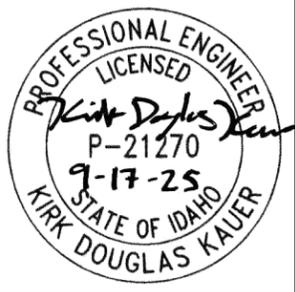
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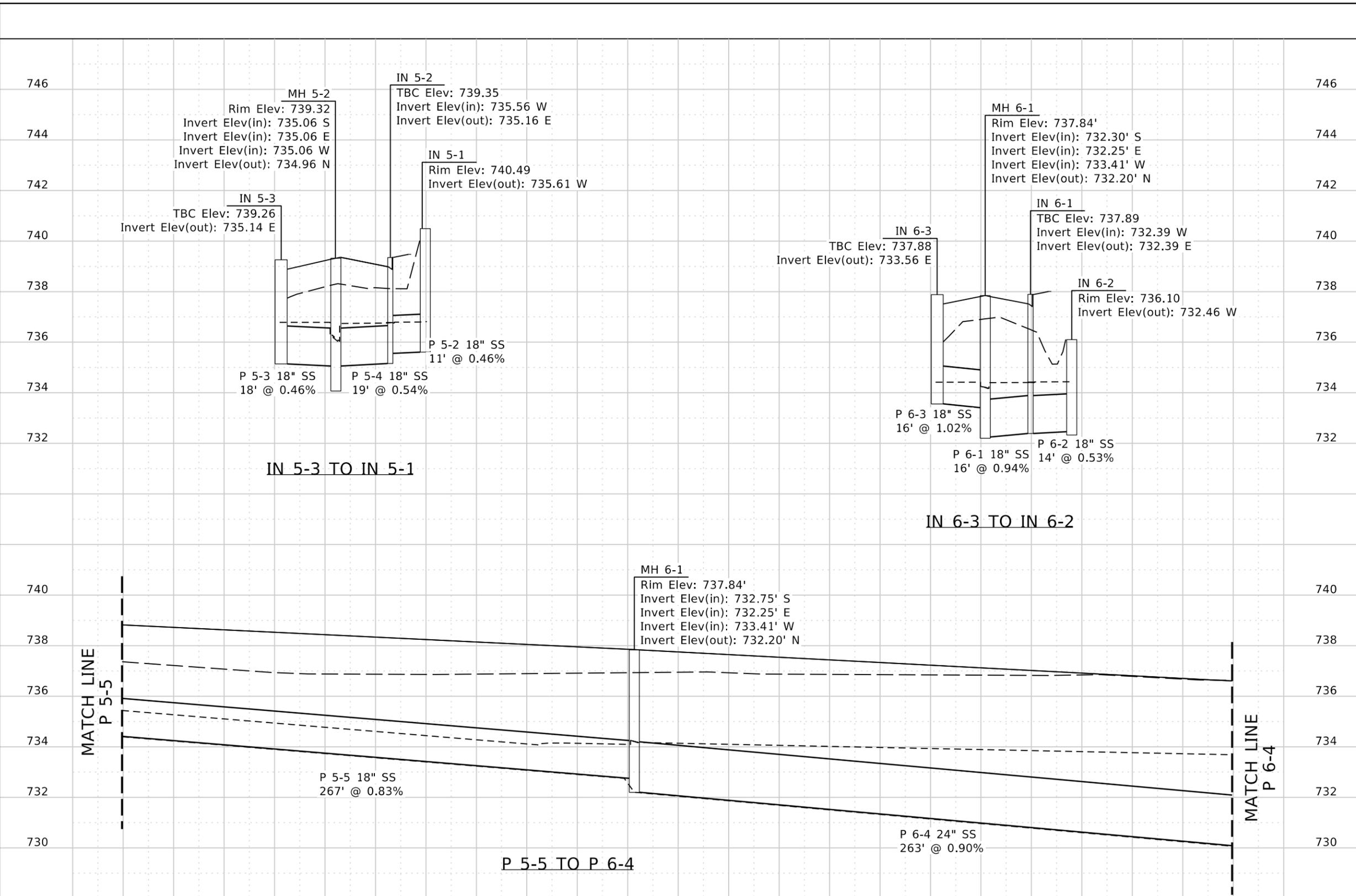
DRAINAGE PROFILE SHEET

**SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 55 OF 103





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 - EXISTING GROUND (dashed line)
 - 100 YR STORM HGL (dotted line)

PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

REVISIONS			
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B. Schellenberg

DESIGN CHECKED
K. Kauer

DETAILED
B. Schellenberg

DRAWING CHECKED
K. Kauer

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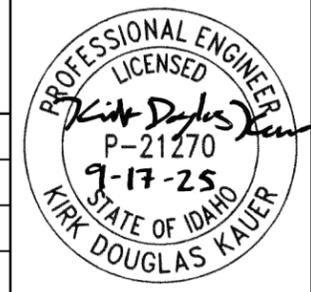
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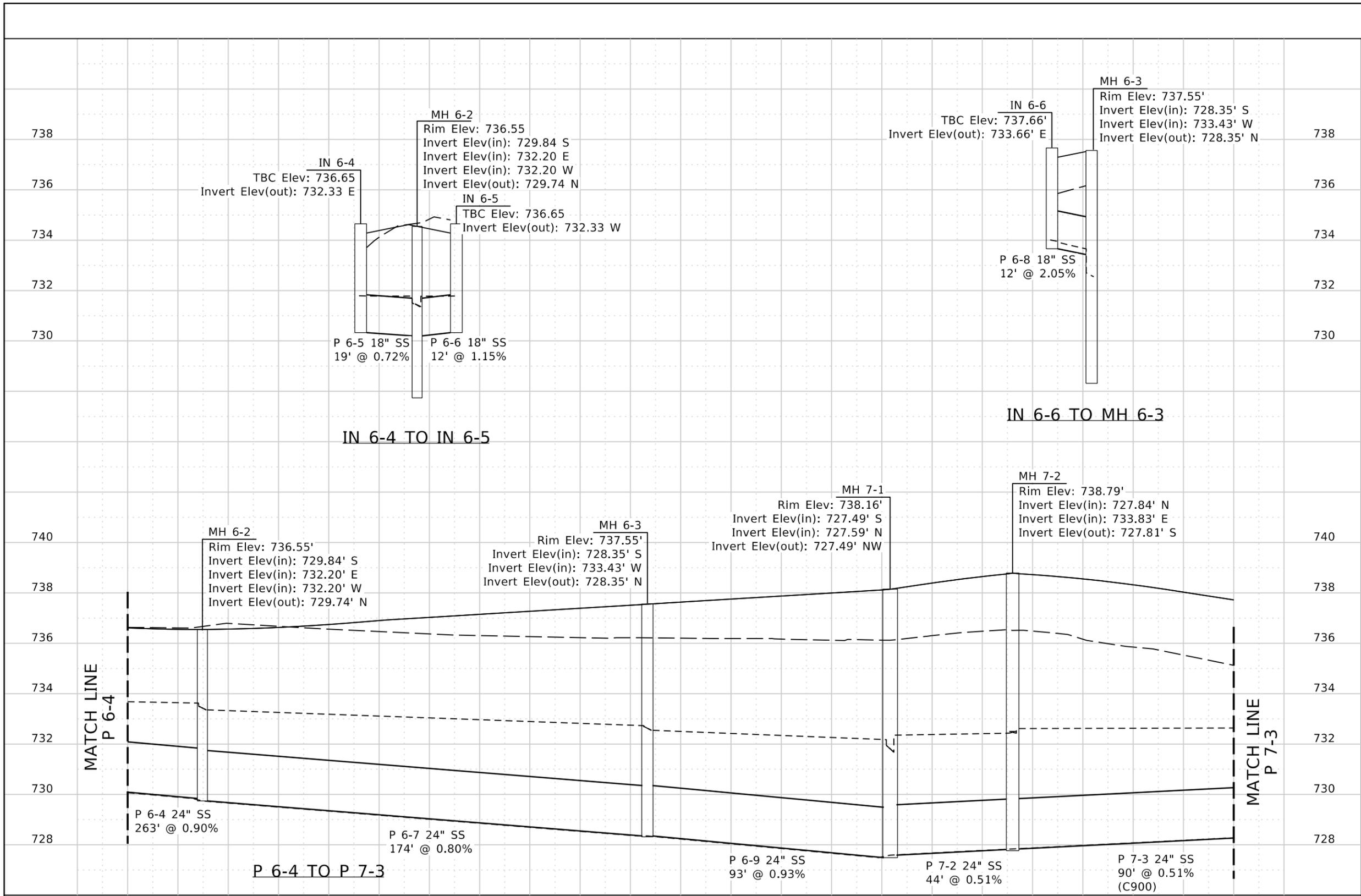
ENGLISH

COUNTY
NEZ PERCE

KEY NUMBER
13443

SHEET 56 OF 103





- NOTES:**
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LEGEND:

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- EXISTING GROUND (dashed line)
- 100 YR STORM HGL (dash-dot line)

PROFILE SHEET SCALE: 1":40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

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 DESIGN CHECKED K. Kauer
 DETAILED B. Schellenberg
 DRAWING CHECKED K. Kauer

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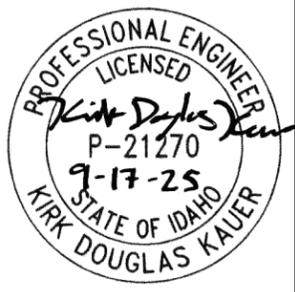
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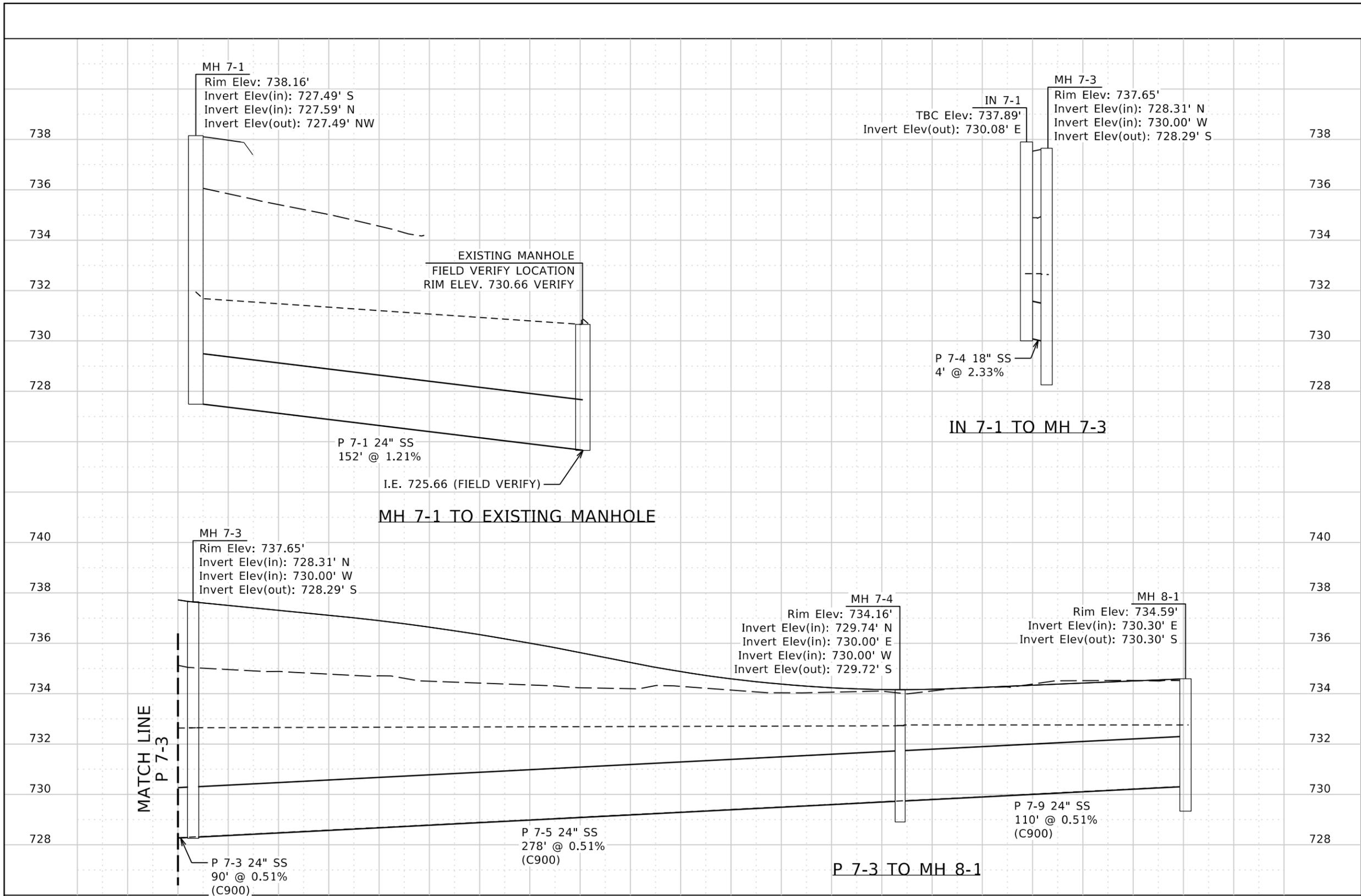
DRAINAGE PROFILE SHEET

**SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE**

ENGLISH

COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 57 OF 103





- NOTES:**
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PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

REVISIONS			
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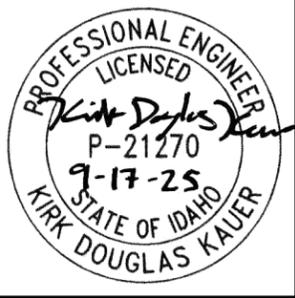
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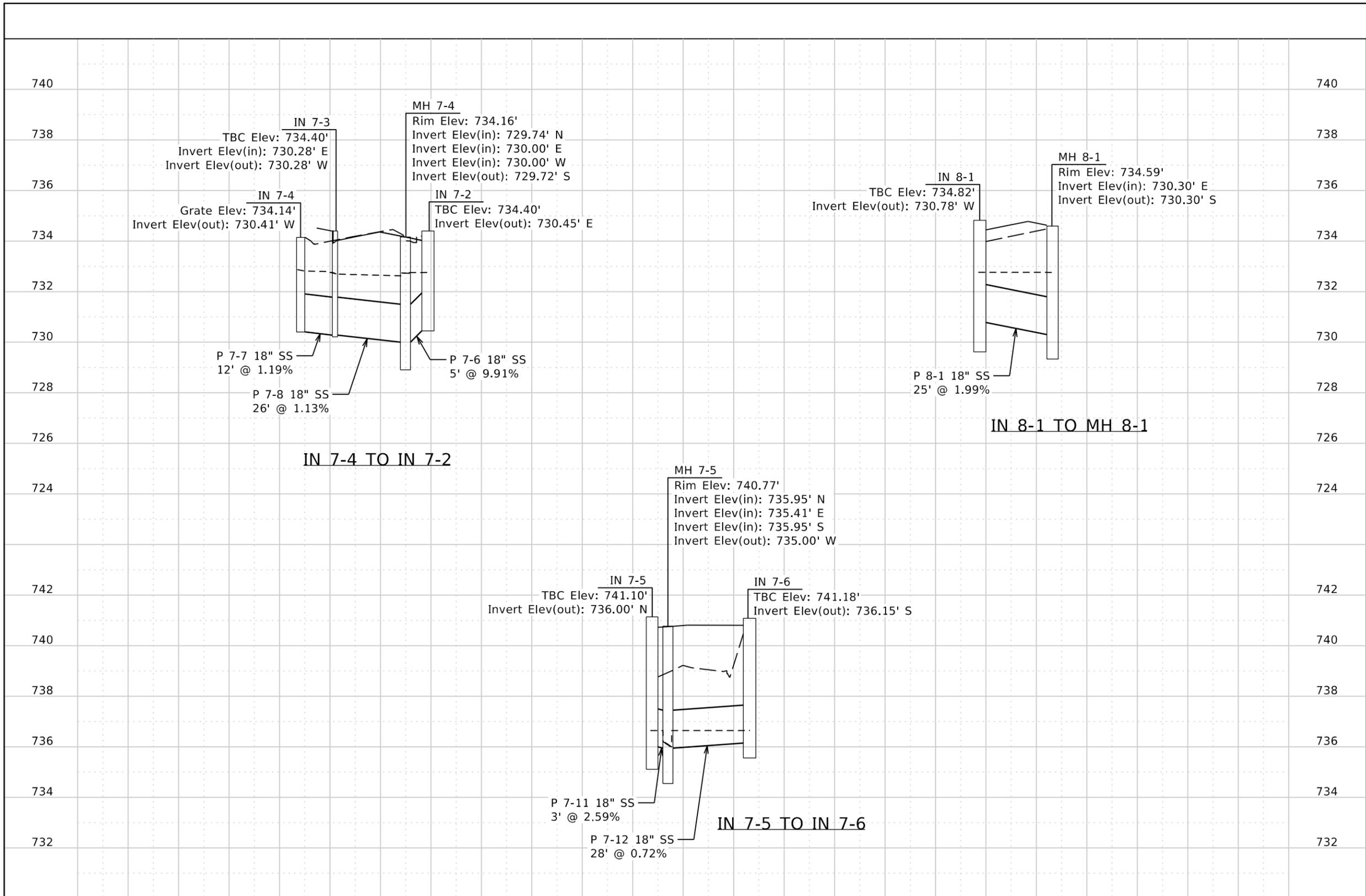
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PROJECT NO. A013(443)

DRAINAGE PROFILE SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE
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ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 58 OF 103





- NOTES:**
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PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

REVISIONS			
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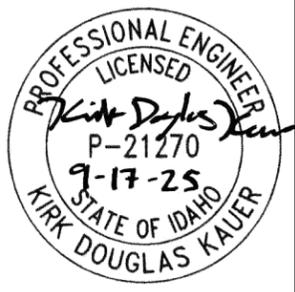
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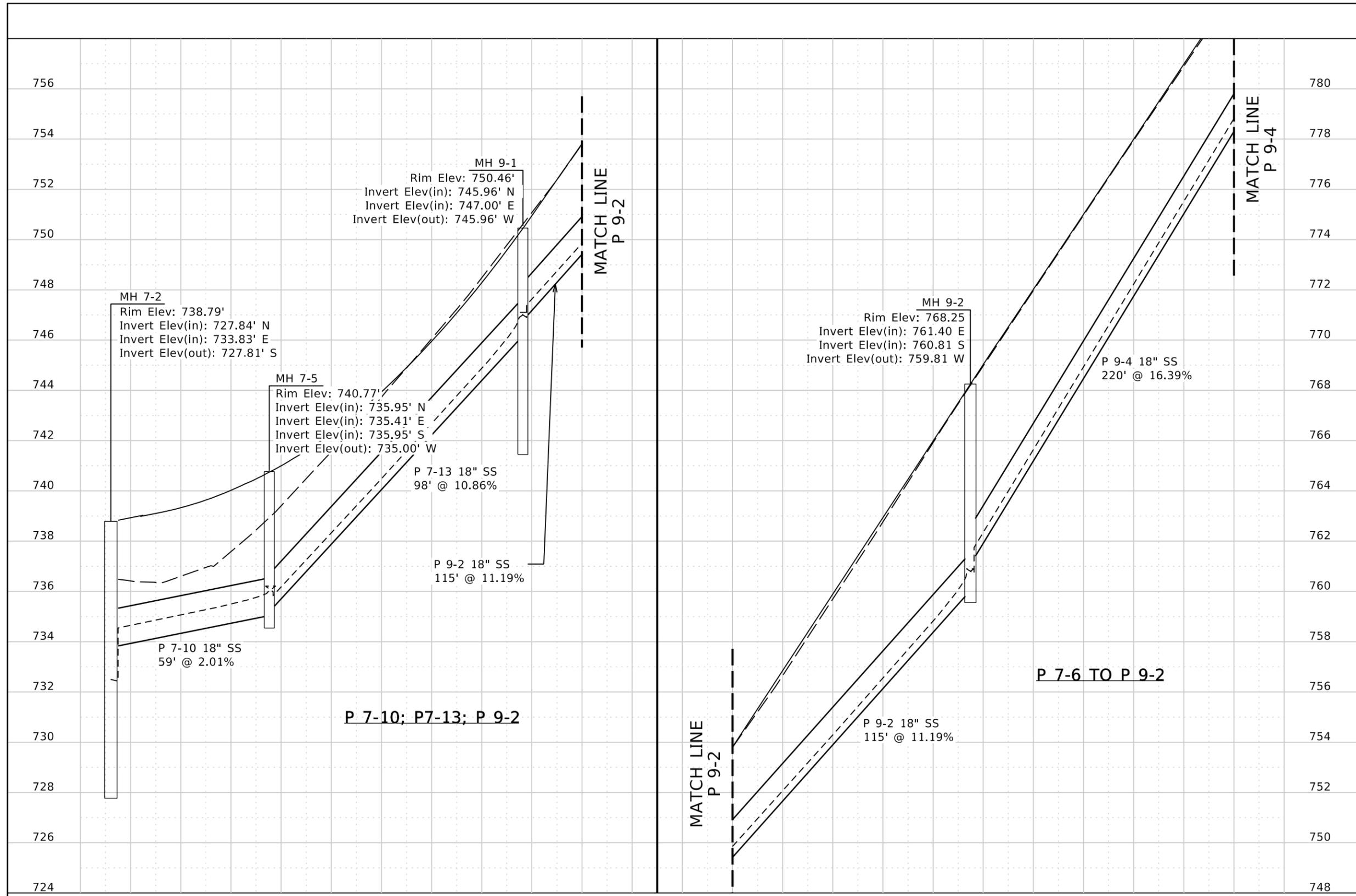
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CADD FILE NAME DRAN_PROF_S.DGN
DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT
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PROJECT NO.	A013(443)
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DRAINAGE PROFILE SHEET	ENGLISH
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE	COUNTY NEZ PERCE
	KEY NUMBER 13443
	SHEET 59 OF 103





- NOTES:**
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PROFILE SHEET SCALE: 1":40'

VERTICAL EXAGGERATION: 10

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. Schellenberg
 DESIGN CHECKED K. Kauer
 DETAILED B. Schellenberg
 DRAWING CHECKED K. Kauer

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IDAHO TRANSPORTATION DEPARTMENT
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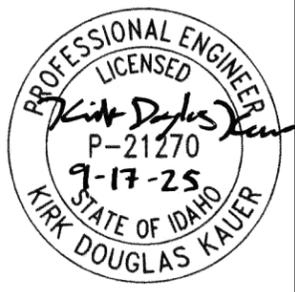
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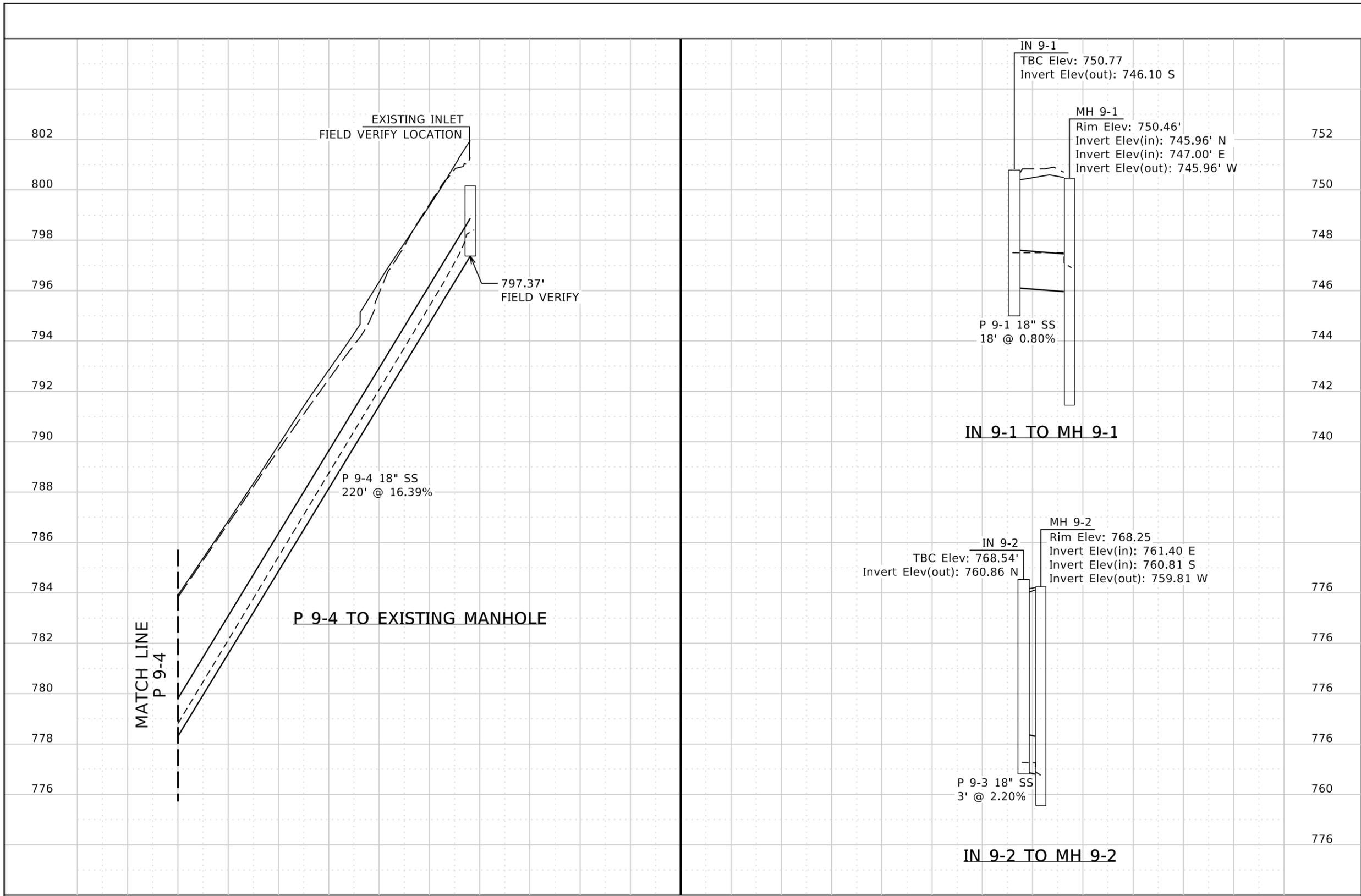
PROJECT NO. A013(443)

DRAINAGE PROFILE SHEET

**SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE**

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 60 OF 103





- NOTES:**
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PROFILE SHEET SCALE: 1"=40'

VERTICAL EXAGGERATION: 10

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 DRAWING CHECKED K. Kauer

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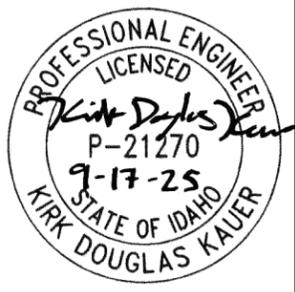
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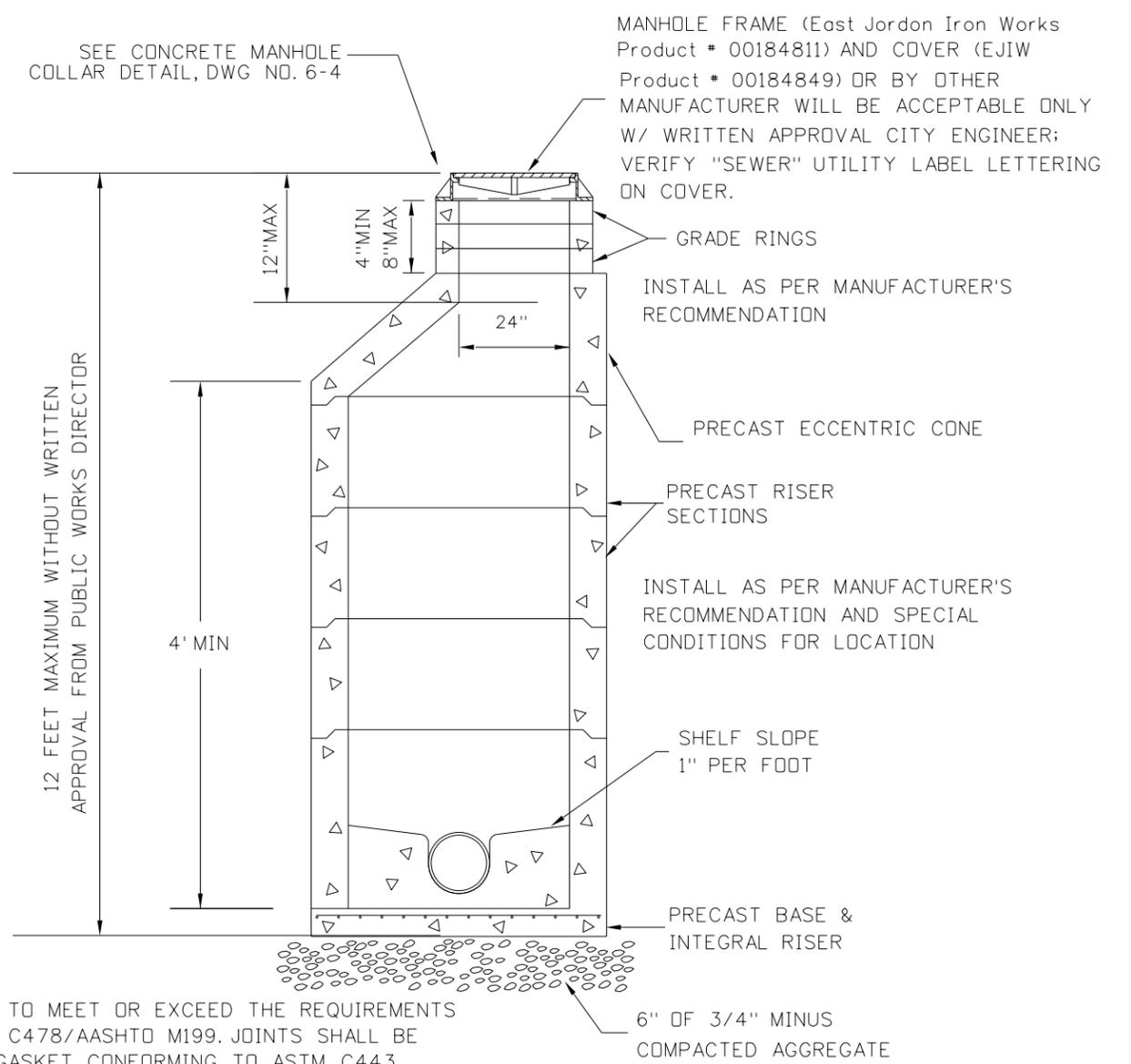
DRAINAGE PROFILE SHEET
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 61 OF 103



GENERAL NOTES FOR STORMWATER SYSTEMS

1. ALL WORK SHALL CONFORM TO CURRENT 'IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION' (ISPC) SPECIFICATIONS AND THE CITY OF LEWISTON STANDARDS AND SPECIFICATIONS. IN THE CASE OF CONFLICT, CITY STANDARDS SHALL PREVAIL. THE 'LEWISTON STORMWATER POLICY AND DESIGN MANUAL' DEFINES THE POLICIES, MINIMUM STANDARDS, REQUIREMENTS, AND PROCEDURES FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF PRIVATE STORMWATER SYSTEMS.
2. ANY REPAIR, MAINTENANCE OR ALTERATION OF A PUBLIC STORM LINE OR DRAINAGE MUST BE APPROVED BY CITY ENGINEER.
3. THE CONTRACTOR MUST SECURE APPROVAL FROM THE CITY ENGINEER PRIOR TO ADDING OR REMOVING FILL BACKFILL OVER PUBLIC STORM DRAIN MAINLINE.
4. THE ENGINEERING INSPECTOR SHALL BE NOTIFIED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON STORM DRAINS.
5. ALL PUBLIC STORM DRAIN LINES SHALL BE VIDEOTAPED AND SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO PAVING. CITY SHALL HAVE FORTY-EIGHT (48) HOURS FOR REVIEW.
6. ALL MANHOLES AND CATCH BASINS SHALL BE INSPECTED TWICE BY THE ENGINEERING INSPECTOR - ONCE PRIOR TO BACKFILL AND THEN PRIOR TO ACCEPTANCE OF IMPROVEMENTS. CALL (208) 791-8453 OR 746-1316 FOR INSPECTION SCHEDULING.
7. CLOSED CONDUITS (OR PIPELINES) FOR STORMWATER CONVEYANCE IN THE CITY'S STORMWATER SYSTEM MUST BE A MINIMUM OF 12 INCH DIAMETER. THE PIPE MATERIAL MAY BE PLASTIC, STEEL, REINFORCED CONCRETE OR AN APPROVED MATERIAL, BUT MUST MEET CITY 605.02 SPECIFICATIONS IF PART OF THE CITY'S STORMWATER SYSTEM.
8. MINIMUM PIPE SLOPE SHALL BE 0.5% AND MINIMUM DESIGN VELOCITY WHEN FLOWING FULL SHALL BE NOT LESS THAN 2 FEET PER SECOND AND MAXIMUM VELOCITY SHOULD NOT BE MORE THAN 8 FEET PER SECOND.
9. JUNCTIONS OF 3 OR MORE PIPES, CHANGES IN ALIGNMENT, SLOPE AND/OR CHANGES IN PIPE DIAMETER SHALL BE MADE ONLY AT CATCH BASINS OR MANHOLES.
10. STEEP SLOPE INSTALLATION SHALL BE INSTALLED AS PER MANUFACTURES PIPE SPECIFICATIONS.
11. MANHOLE SHALL BE INSTALLED AT THE END OF EACH LINE, AT ALL CHANGE IN SIZE OR ALIGNMENT, AT DISTANCE NOT GREATER THAN 350 FEET OR AT CITY ENGINEER'S REQUIRED SPACING. ALL OTHER CHANGES IS SPACING MUST HAVE WRITTEN APPROVAL FROM PUBLIC WORKS DEPARTMENT.
12. LOCATING WIRE SHALL BE INSTALLED WITH ALL PUBLIC STORM PIPE INSTALLATIONS. SEE CITY DWG 1-8, 'IDENTIFYING TAPE DETAIL'.
13. CATCH BASINS AND MANHOLES SHALL BE ACCESSIBLE TO VEHICLES AND EQUIPMENT FOR MAINTENANCE AND BE WITHIN RIGHT-OF-WAY OF A MINIMUM EASEMENT WIDTH OF 20 FEET. PROPOSED ACCESS ROUTE MUST BE APPROVED BY CITY ENGINEER. MAINTENANCE ACCESS ROUTES THAT DO NOT FOLLOW THE STORMLINE MUST HAVE A MINIMUM 12' EASEMENT.



NOTES:

1. ALL UNITS TO MEET OR EXCEED THE REQUIREMENTS OF ASTM C478/AASHTO M199. JOINTS SHALL BE RUBBER GASKET CONFORMING TO ASTM C443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES BE GROUTED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
2. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM
3. CONNECTION TO MANHOLE SHALL BE MADE USING RESILIENT CONNECTOR CONFORMING TO ASTM C-923 SUCH AS KOR-N-SEAL, A-LOK OR APPROVED EQUAL. HAVE A WALL THICKNESS OF 2" MINIMUM
4. USE A MINIMUM OF 1/2" OF NON-SHRINK GROUT BETWEEN RISERS, CONE AND FRAME.
5. RISERS, UNIT SECTIONS AND THE FRAME SHALL NOT BE MORE THAN ONE INCH OUT OF ALIGNMENT WITH THE MANHOLE BASE; PIPES SHALL BE FLUSH WITH INSIDE EDGE OF MANHOLE.

MANHOLE SIZE	MAX. PIPE SIZE
48" DIA.	24" DIA.

STORMWATER TYPE 1 MANHOLE
(LEWISTON DWG 6-2)
ITEM 605-465A
N.T.S.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

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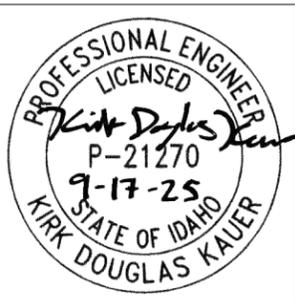
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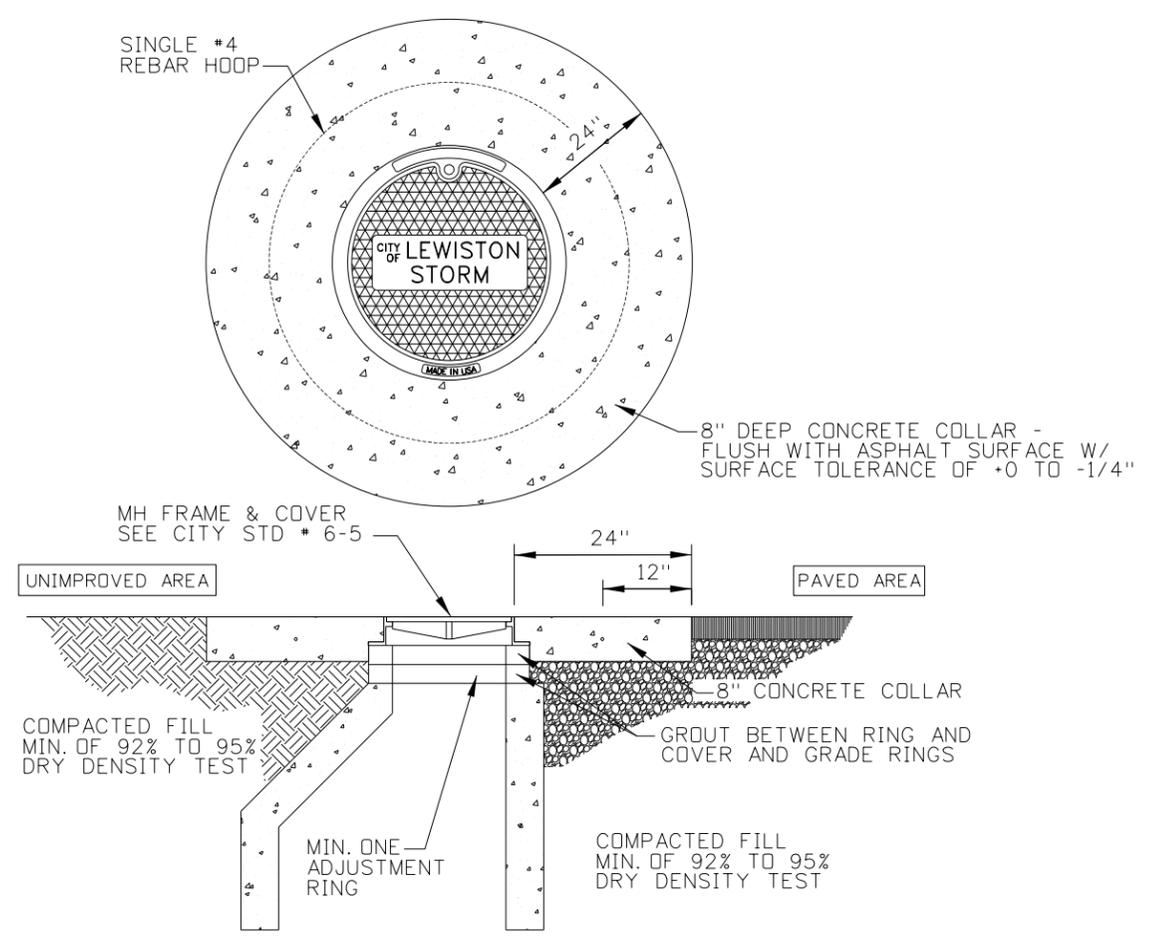
CADD FILE NAME
DRAN_DETAIL.DGN
DRAWING DATE:
17-SEP-2025

PROJECT NO.
A013(443)

DRAINAGE DETAIL SHEET
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
LEWISTON, ID**

ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 62 OF 103

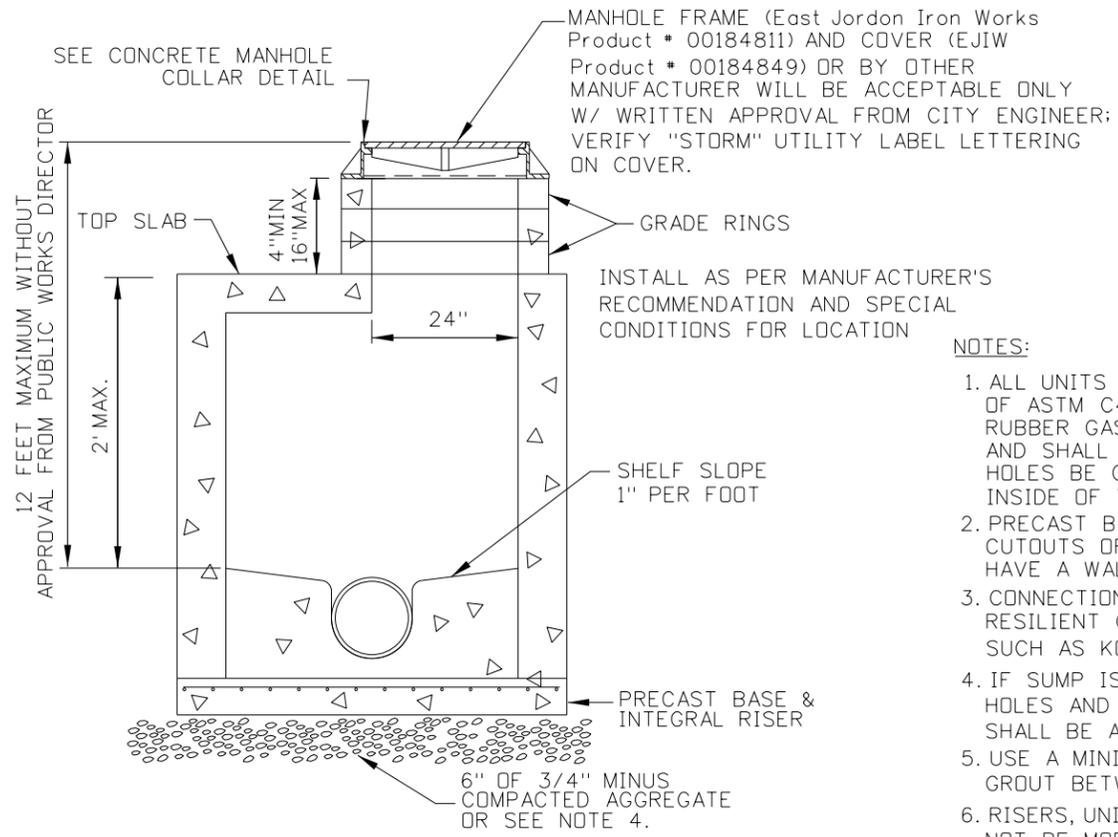




CONCRETE MANHOLE COLLAR DETAIL

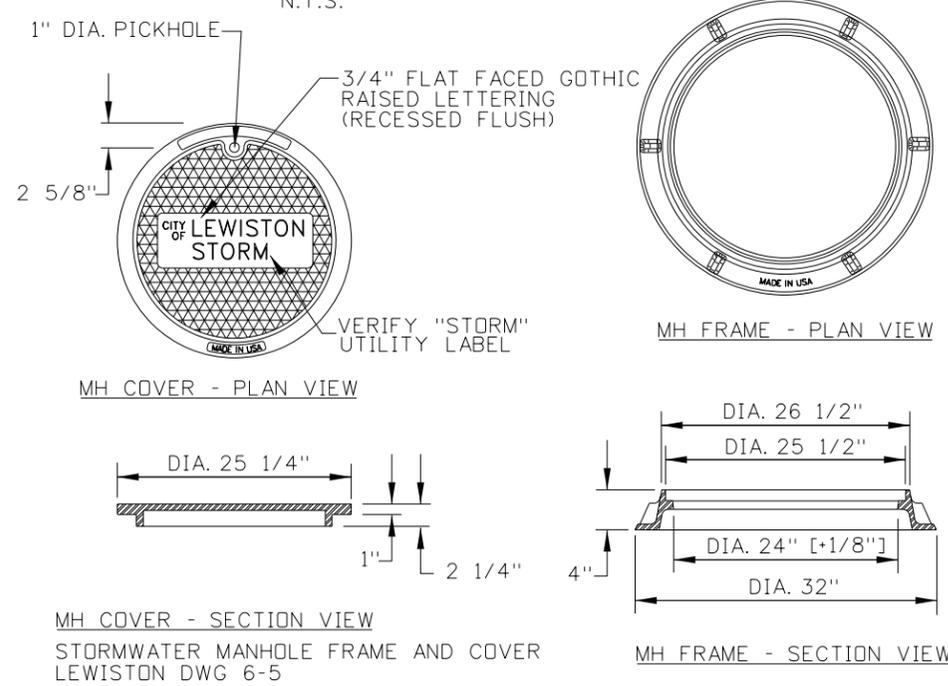
LEWISTON DWG 6-4
N.T.S.

- NOTES:**
1. A CIRCULAR-SHAPED CONCRETE COLLAR IS REQUIRED ON ALL INSTALLATIONS; IN BOTH PAVED OR UNIMPROVED AREAS. INSTALL A 8" THICK CONCRETE COLLAR THAT SHALL BE FLUSH WITH THE ASPHALT SURFACE WITH A SURFACE TOLERANCE OF +0 TO -1/4".
 2. CONCRETE SHALL BE 3,000 PSI MIN. AT 28 DAYS, WATER/CEMENT RATIO SHALL BE 0.5, 3" MAX. SLUMP AND 3% TO 6% ENTRAINED AIR WITH ONE #4 REBAR HOOP. FIBER-REINFORCED CONCRETE (ADDED PER MANUFACTURER'S RECOMMENDATIONS) MAY BE USED IN LIEU OF #4 REBAR.
 3. ALL EDGES WILL BE SEALED WITH CSSI OR APPROVED EQUAL; ALL TOP EDGES WILL BE TACKED AND SAND SEALED.
 4. UTILITY FRAMES AND LIDS ARE PREFERRED OUTSIDE OF WHEEL PATH, WHERE POSSIBLE.



STORMWATER TYPE 1A MANHOLE

(LEWISTON DWG 6-3)
48" DIAMETER ITEM 605-465A
60" DIAMETER ITEM 605-467A
N.T.S.



- NOTES:**
1. ALL UNITS TO MEET OR EXCEED THE REQUIREMENTS OF ASTM C478/AASHTO M199. JOINTS SHALL BE RUBBER GASKET CONFORMING TO ASTM C443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES BE GROUTED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
 2. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM
 3. CONNECTION TO MANHOLE SHALL BE MADE USING RESILIENT CONNECTOR CONFORMING TO ASTM C-923 SUCH AS KOR-N-SEAL, A-LOK OR APPROVED EQUAL.
 4. IF SUMP IS ADDED, THREE 1 1/2" DIA. WEEP HOLES AND 12" OF COMPACTED 5/8" MINUS SHALL BE ADDED UNDER MANHOLE BASE.
 5. USE A MINIMUM OF 1/2" OF NON-SHRINK GROUT BETWEEN RISERS, CONE AND FRAME.
 6. RISERS, UNIT SECTIONS AND THE FRAME SHALL NOT BE MORE THAN ONE INCH OUT OF ALIGNMENT WITH THE MANHOLE BASE; PIPES SHALL BE FLUSH WITH INSIDE EDGE OF MANHOLE.
 7. SEE DWG NO 6-4 FOR CONCRETE MANHOLE COLLAR

- NOTES:**
1. MANHOLE FRAME [EAST JORDON IRON WORKS PRODUCT #00184811 OR D&L FOUNDRY A-2003] AND COVER [EJIW #00184849 OR D&L A-2010-01] OR OTHER MANUFACTURER WILL BE ACCEPTABLE ONLY WITH WRITTEN APPROVAL FROM PUBLIC WORKS DEPT.; VERIFY "STORM" UTILITY LABEL LETTERING ON COVER.
 2. COVER MATERIAL SPECIFICATION GRAY IRON (ASTM A48 CL35B)

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG
DESIGN CHECKED K. KAUER
DETAILED B. SCHELLENBERG
DRAWING CHECKED K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME DRAN_DETAIL.DGN
DRAWING DATE: 17-SEP-2025

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

Horrocks.

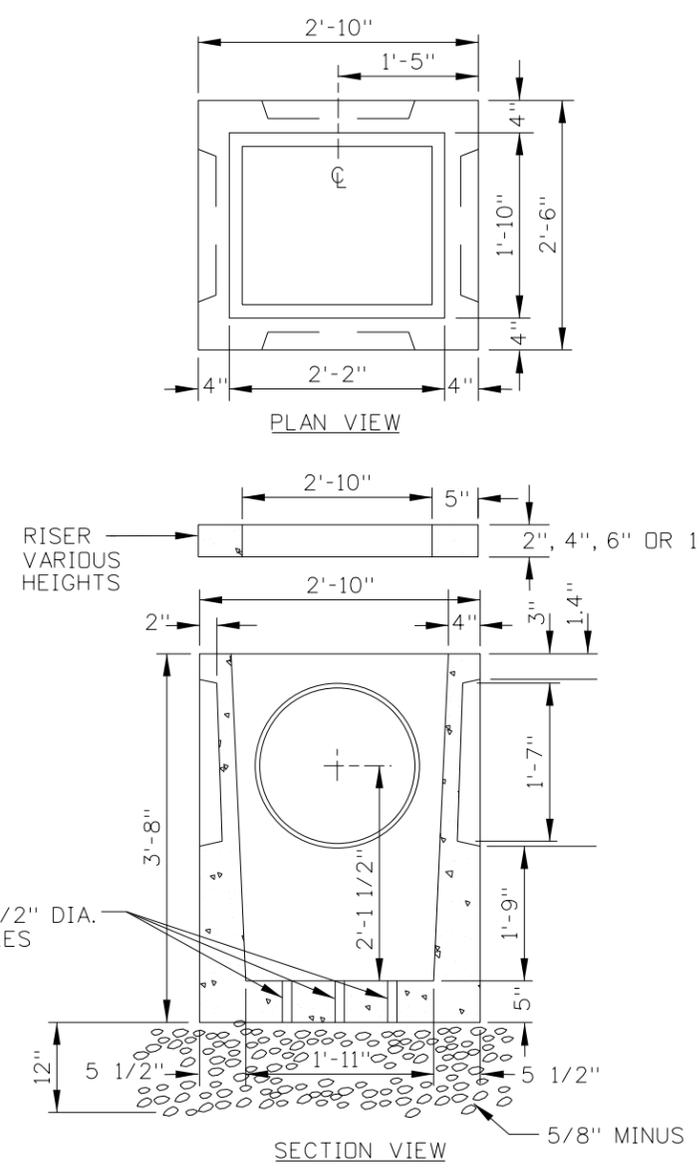
PROJECT NO. A013(443)

DRAINAGE DETAIL SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE LEWISTON, ID

ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 63 OF 103

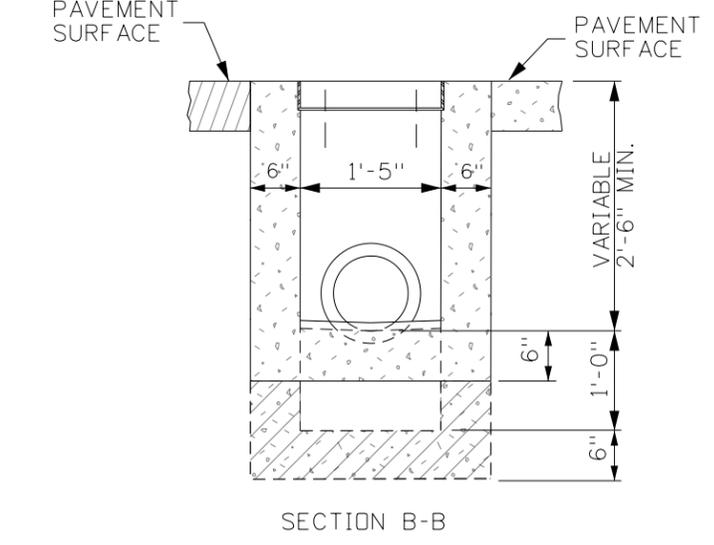
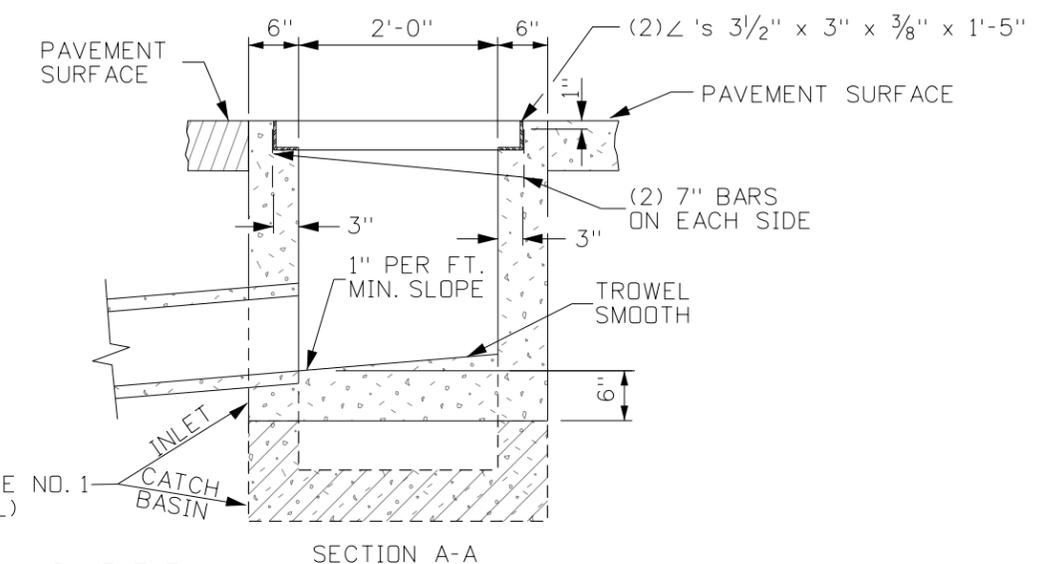
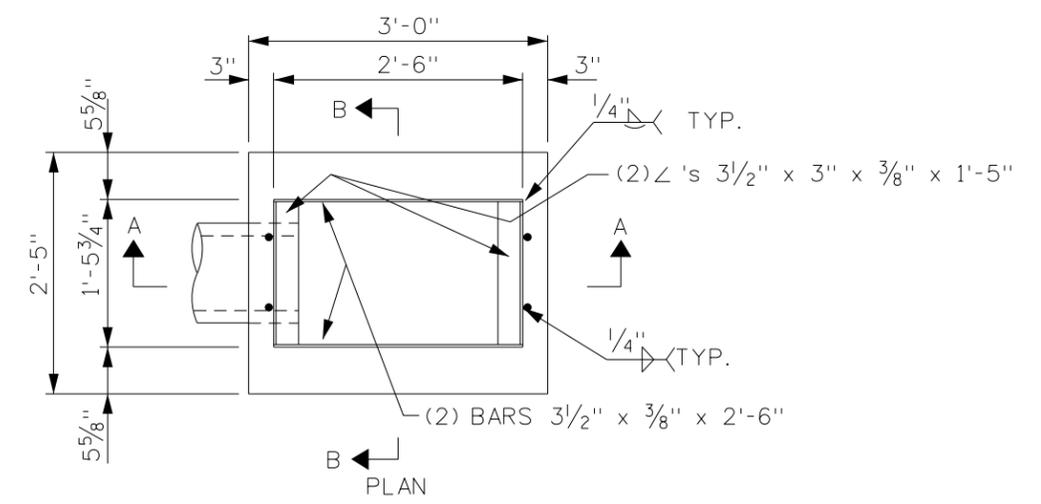
GENERAL NOTES FOR CATCH BASINS

1. ALL UNITS TO MEET OR EXCEED THE REQUIREMENTS OF ASTM C478/AASHTO M199.
2. ALL CURB INLET STRUCTURES SHALL HAVE A MINIMUM 12" SUMP WITH THREE 1 1/2" DIA. WEEP HOLES IN BASE AND MINIMUM OF 12" OF COMPACTED 5/8" MINUS UNDER BASE; CRUSHED AGGREGATE MATERIAL COMPACTED TO 95% MODIFIED PROCTOR AS PER AASHTO T180
3. A CATCH BASIN SHALL BE INSTALLED UPHILL TO EACH INTERSECTION CORNER RADIUS AND SPACED NO MORE THAN 400 FEET ALONG THE LENGTH OF THE STREET OR AT CITY ENGINEER'S REQUIRED SPACING. ADJUSTMENTS TO SPACING SHALL REQUIRE CALCULATIONS TO VERIFY THE CHANGES HAVE MET CITY SPECIFICATIONS.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM.
5. ALL PIPES SHALL BE FLUSH WITH BASIN WALL AND SHALL BE MORTARED ALL AROUND.
6. USE CITY STD DWG NO. 6-7 FOR CATCH BASIN FRAME AND GRATE.
7. REDUCTION SLAB, RISERS, AND FRAME & GRATE SHALL NOT BE MORE THAN ONE INCH OUT OF VERTICAL ALIGNMENT WITH CATCH BASIN BASE.
8. MAXIMUM DEPTH FROM FINISHED GRADE TO PIPE INVERT IS 5 FEET.
9. USE A MINIMUM OF 1/2" NON-SHRINK GROUT BETWEEN RISERS, BASE, AND FRAME.
10. CURB INLET TO BE PLACED WITHIN A TOLERANCE OF 1/2" HORIZONTAL ALIGNMENT FROM CURB LINE.
11. SET GRATE 1" LOWER THAN PROPOSED FLOWLINE TO ENSURE POSITIVE DRAINAGE INTO CATCH BASIN. CURB FLOWLINE SHALL BE TRANSITION TO 3' ON EACH SIDE OF THE CATCH BASIN TO ADJUST FOR 1" DROP. GUTTER LIP AND TOP OF CURB ARE NOT TO BE DEPRESSED.



STORMWATER TYPE 1 CATCH BASIN
(LEWISTON DWG 6-8)
ITEM 605-605

- NOTES:**
1. TYPICAL CATCH BASIN [WILBERT PRECAST PRODUCT #1827] AND RISERS [WILBERT PRECAST #1830 (FOR 12") OR #1831-2,4,6 (FOR 2", 4" OR 6")] OR BY OTHER MANUFACTURER WILL BE ACCEPTABLE ONLY WITH WRITTEN APPROVAL FROM PUBLIC WORKS DEPT.
 2. SEE CITY DWG 6-6 'GENERAL NOTES FOR CATCH BASINS'.



INLET TYPE 3 (ITD DWG 605-20)
ITEM 605-615A

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG
DESIGN CHECKED
K. KAUER
DETAILED
B. SCHELLENBERG
DRAWING CHECKED
K. KAUER

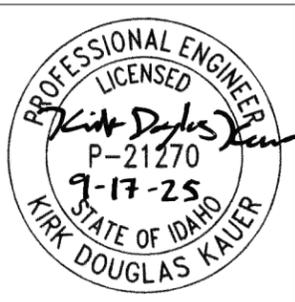
SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
DRAN DETAIL.DGN
DRAWING DATE:
17-SEP-2025

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Horrocks.

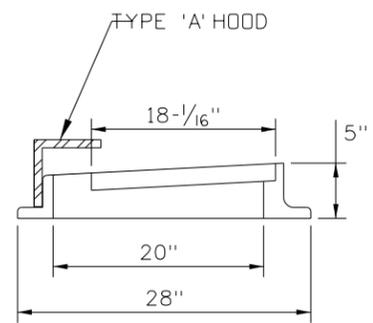
PROJECT NO.
A013(443)

DRAINAGE DETAIL SHEET
**SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
LEWISTON, ID**

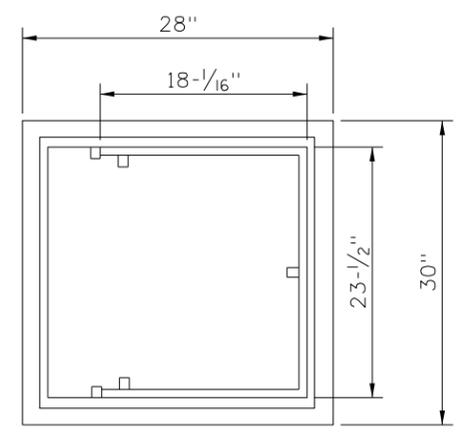
ENGLISH
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 64 OF 103



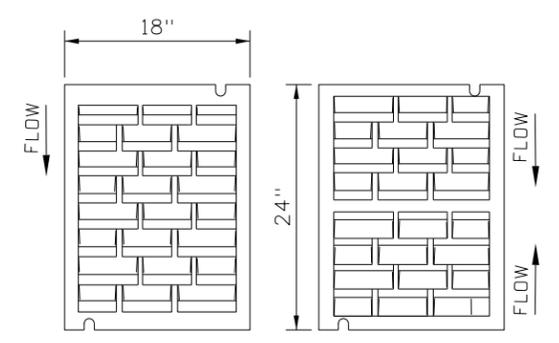
STORMWATER CATCH BASIN
FRAME & GRATE
LEWISTON DWG 6-7



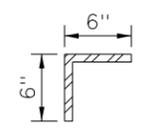
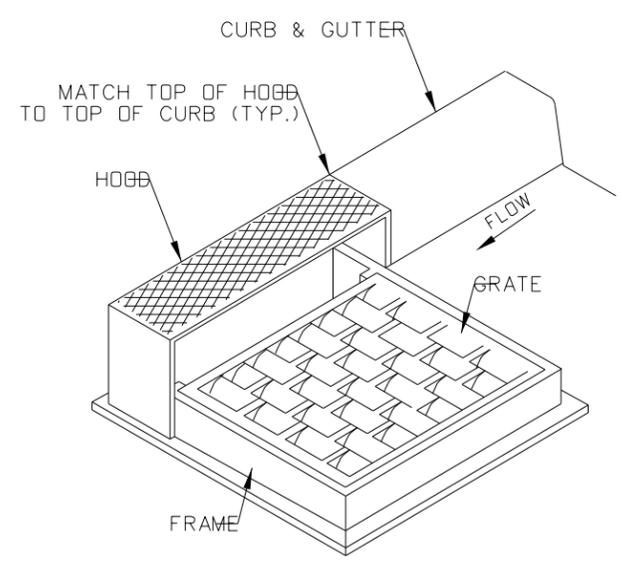
FRAME



TOP VIEW - FRAME

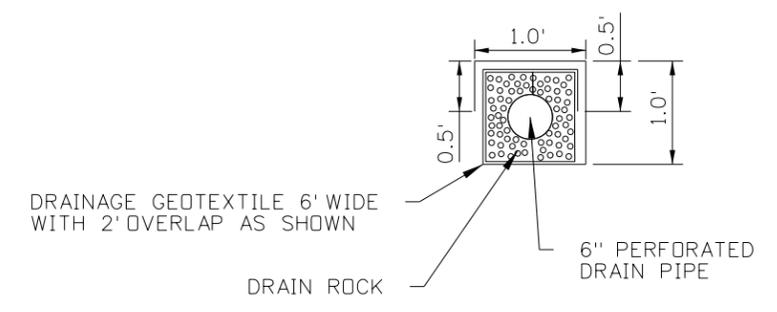


ONE-WAY FLOW TWO-WAY FLOW



TYPE 'A' HOOD

URBAN EDGE DRAIN (6")
(ITEM 606-115A) ①



- STORM DRAIN INLET NOTES:**
1. CURB INLET CATCH BASIN FRAME (D & L SUPPLY- PRODUCT I-4434), GRATE AND HOOD BY OTHER MANUFACTURER WILL BE ACCEPTABLE ONLY WITH WRITTEN APPROVAL FROM PUBLIC WORKS DEPARTMENT.
 2. COVER MATERIAL SPECIFICATION GRAY IRON (ASTM A48 CL35B).
 3. SEE CITY DRAWING 6-6 "GENERAL NOTES FOR CATCH BASINS".

- UNDERDRAIN NOTES:**
- SEE THE TYPICAL SECTION FOR PLACEMENT LOCATION
- ① PAY ITEM FOR URBAN EDGE DRAIN (6") (606-115A) INCLUDES 1 FT OF PIPE, 0.80 CU FT OF DRAINAGE ROCK AND 6 SQ FT OF DRAINAGE GEOTEXTILE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
B. SCHELLENBERG

DESIGN CHECKED
K. KAUER

DETAILED
B. SCHELLENBERG

DRAWING CHECKED
K. KAUER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
DRAN_DETAIL.DGN

DRAWING DATE:
17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

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PROJECT NO.

A013(443)

DRAINAGE DETAIL SHEET

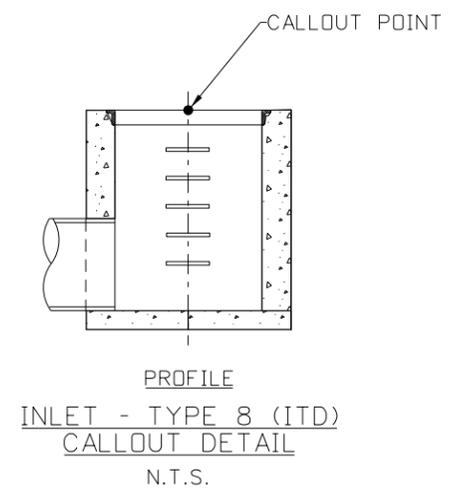
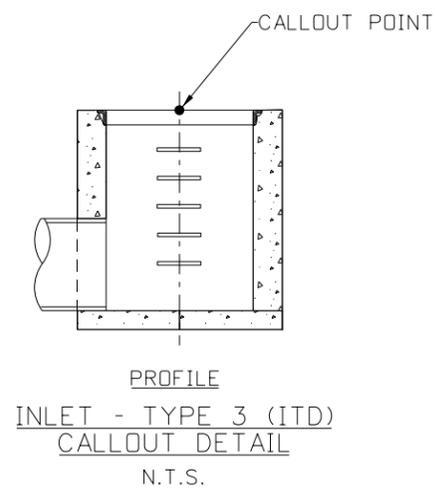
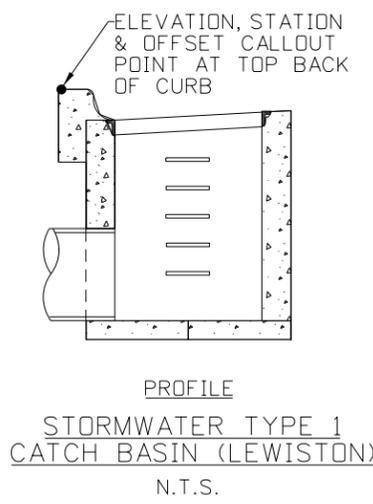
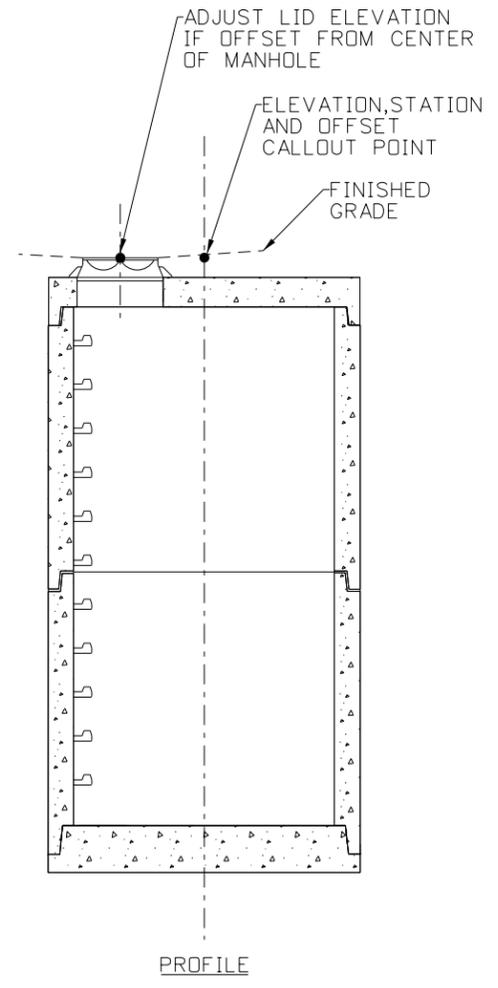
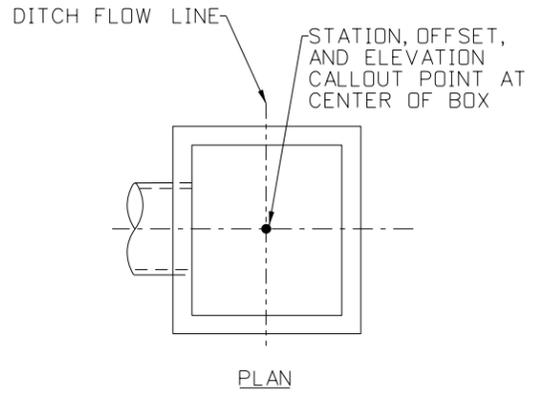
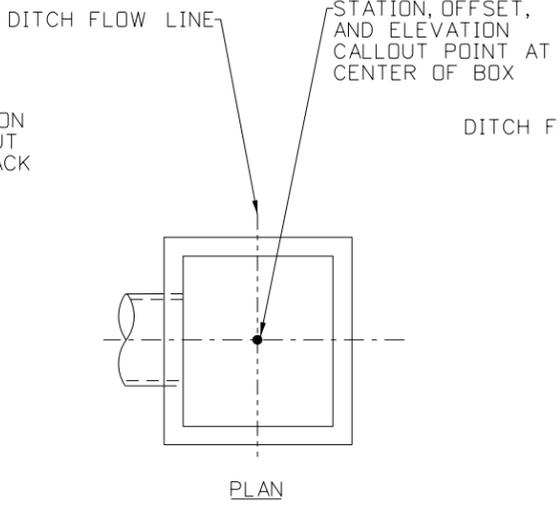
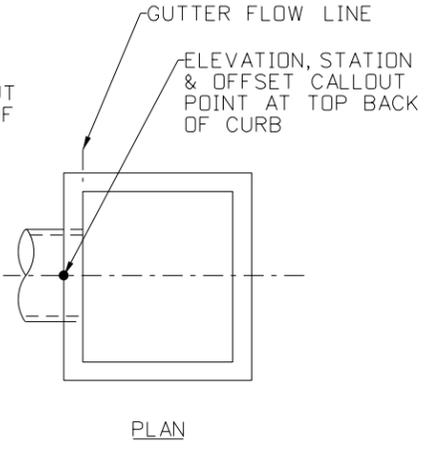
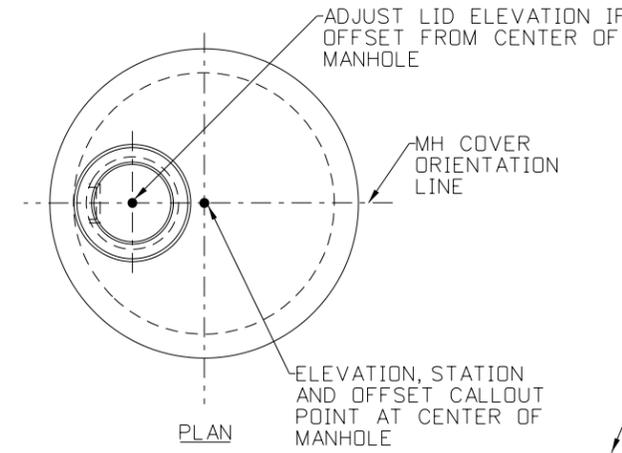
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
LEWISTON, ID

ENGLISH

COUNTY
NEZ PERCE

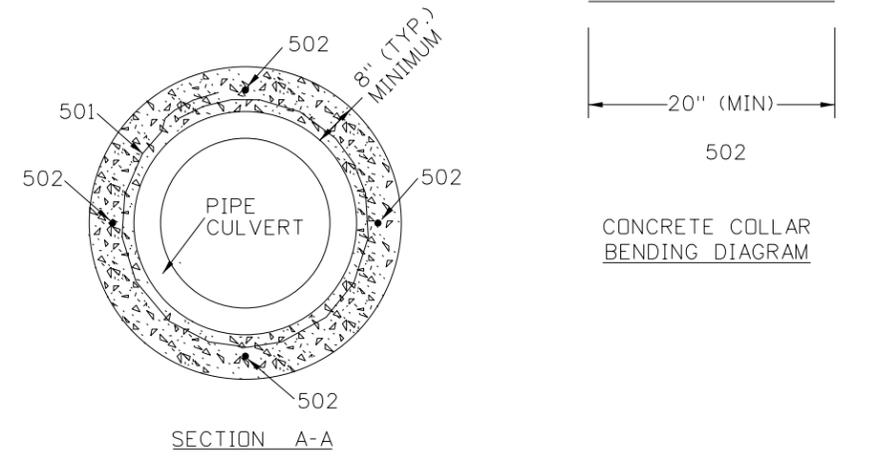
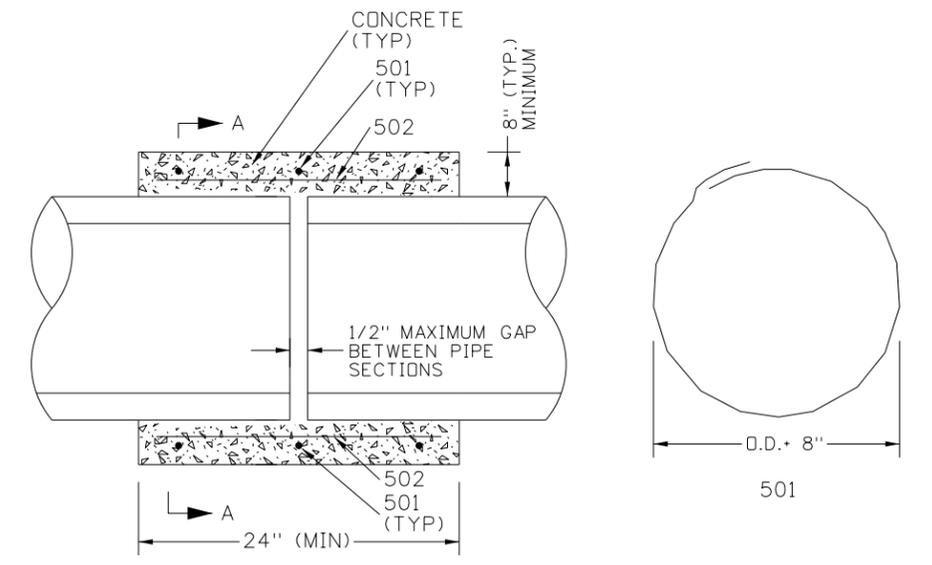
KEY NUMBER
13443

SHEET 65 OF 103



- NOTES:
- FOR MANHOLES, STORM DRAIN INLETS AND TYPE 6 INLETS: THE STATION AND OFFSET CALLOUT POINT DEFINES THE HORIZONTAL LOCATION OF THE CENTER OF THE MANHOLE. THE ELEVATION CALLOUT POINT DEFINES THE VERTICAL LOCATION OF THE COVER.
 - FOR TYPE 8 INLETS: THE STATION, OFFSET, AND ELEVATION CALL OUT POINT DEFINES THE HORIZONTAL AND VERTICAL LOCATION OF THE INLET.

MANHOLE A, C, & D CALLOUT DETAIL N.T.S.



CONCRETE COLLAR PIPE CULVERT CONNECTION DETAIL N.T.S.

- CONCRETE COLLAR NOTES:
- ALL MATERIALS AND LABOR REQUIRED TO INSTALL CONCRETE COLLAR PIPE CONNECTION SHALL BE CONSIDERED INCIDENTAL TO STORM SEWER PIPE INSTALLATION AND WILL BE PAID FOR UNDER STORM SEWER PIPE BID ITEM.
 - CONCRETE SHALL MEET REQUIREMENTS OF SECTION 502.
 - REINFORCING BARS SHALL BE #5.
 - ALL REINFORCING BARS SHALL BE GRADE 40. REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3 IN.
 - ALL EDGE DISTANCES ARE TO THE CENTERLINE OF THE BAR.
 - CONCRETE SHALL BE CLASS 40 CONCRETE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG
 DESIGN CHECKED K. KAUER
 DETAILED B. SCHELLENBERG
 DRAWING CHECKED K. KAUER

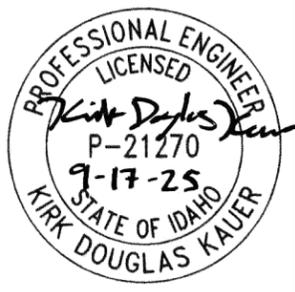
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME DRAN_DETAIL.DGN
 DRAWING DATE: 17-SEP-2025

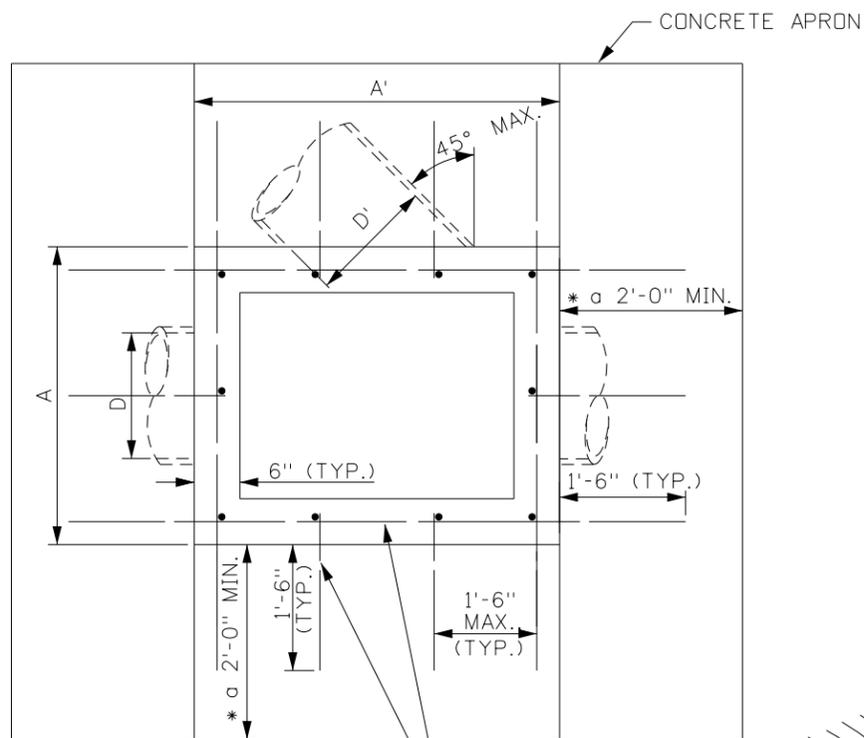


PROJECT NO. A013(443)

DRAINAGE DETAIL SHEET
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE
 LEWISTON, ID

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 66 OF 103





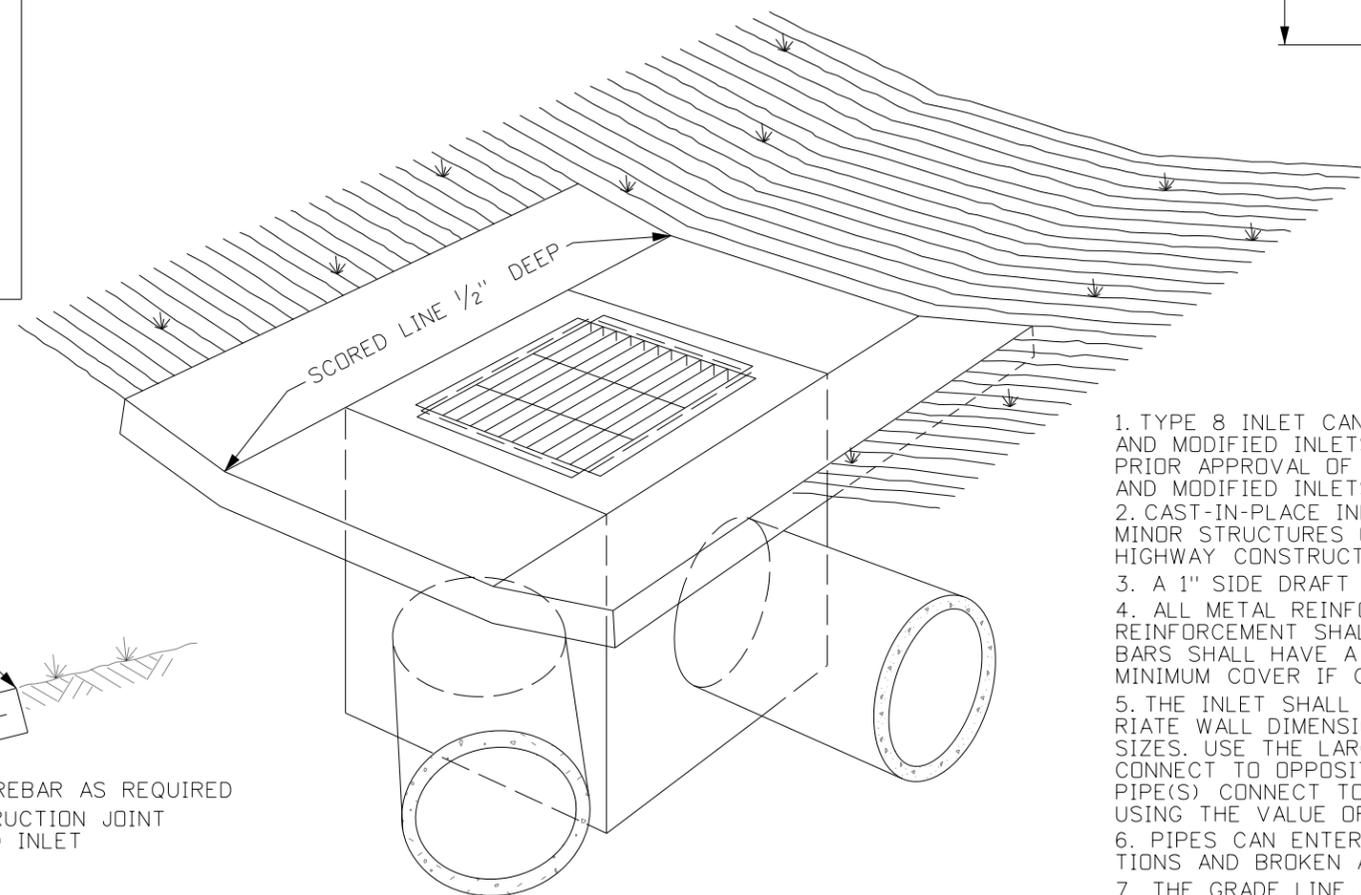
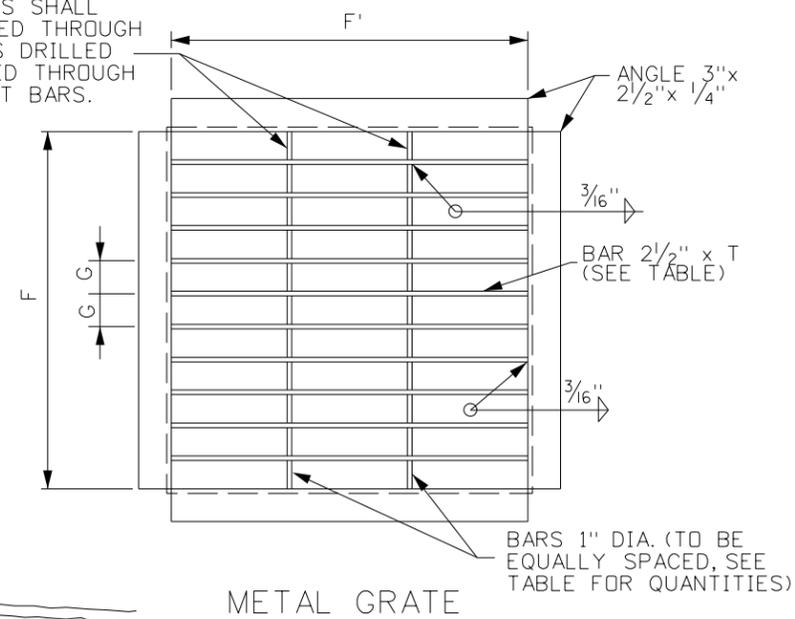
* a ADJUST TO FIT FIELD CONDITIONS
METAL REINFORCEMENT NO. 4 BARS
PLAN

* b TABLE OF DIMENSIONS

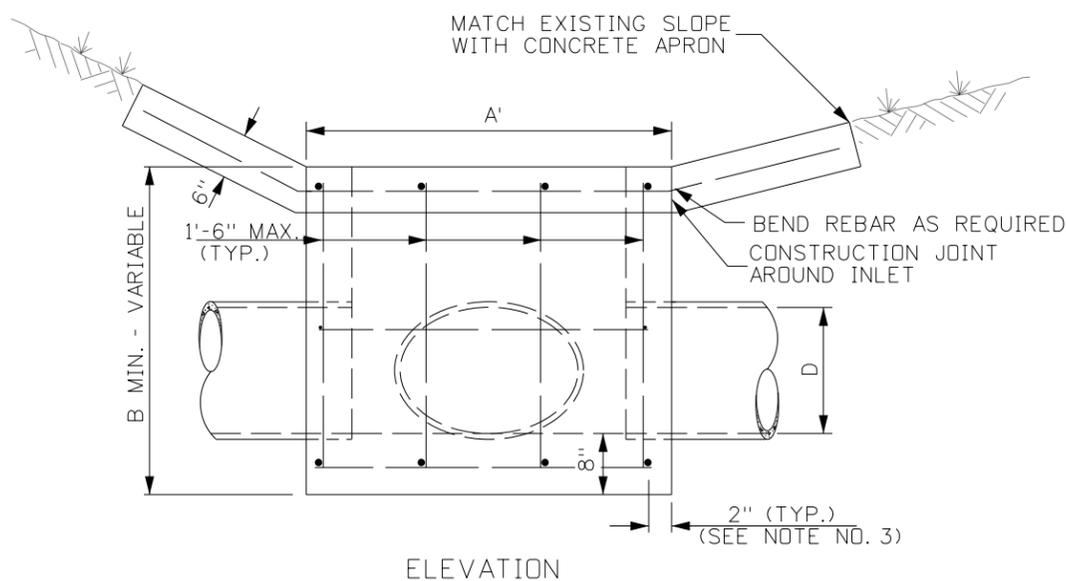
D/D'	A/A'	B MIN.	F/F'	G	BAR(S) (E.A.)	T
18"	3'-4"	3'-0"	2'-3"	3"	1	1/4"
24"	4'-0"	3'-7"	2'-11"	3 3/8"	2	1/4"
30"	4'-6"	4'-3"	3'-5"	3 3/8"	3	5/16"
36"	5'-0"	4'-9"	3'-11"	3 3/8"	3	3/8"
48"	6'-0"	5'-2"	4'-11"	3 3/8"	4	1/2"

* b SEE NOTE NO. 5

1" DIA. BARS SHALL BE INSERTED THROUGH 1/16" HOLES DRILLED OR PUNCHED THROUGH E'S OF FLAT BARS.



PERSPECTIVE VIEW



ELEVATION

INLET TYPE 8 - DETAILS
ITEM 605-630A (ITD DWG NO 605-25)

- NOTES
- TYPE 8 INLET CAN BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST AND MODIFIED INLETS SHALL MEET THE REQUIREMENTS OF ASTM C913. PRIOR APPROVAL OF SHOP DRAWINGS IS REQUIRED FOR USE OF PRECAST AND MODIFIED INLETS. THE APRON MUST BE CAST-IN-PLACE.
 - CAST-IN-PLACE INLET TYPE 8 SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 - A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
 - ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES. ALL BARS SHALL HAVE A MINIMUM CONCRETE COVER OF 2" AND/OR 3" MINIMUM COVER IF CAST AGAINST EARTH.
 - THE INLET SHALL BE CONSTRUCTED RECTANGULAR USING THE APPROPRIATE WALL DIMENSIONS (A & A') DETERMINED BY THE CONNECTING PIPE SIZES. USE THE LARGER WALL DIMENSION IF TWO DIFFERENT PIPE SIZES CONNECT TO OPPOSITE WALLS. USE THE MINIMUM WALL DIMENSION IF NO PIPE(S) CONNECT TO OPPOSITE WALLS. SELECT THE DEPTH (B MIN.) BY USING THE VALUE OF THE INLET'S LARGEST CONNECTING PIPE.
 - PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
 - THE GRADE LINE OF THE TOP INSIDE OF ANY INLET PIPE SHALL BE AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
 - ONLY COMBINATIONS OF THE DIMENSIONS SHOWN ON THE TABLE SHALL BE USED TO CONSTRUCT A TYPE 8 INLET.
 - THE METAL FOR THE GRATE SHALL MEET THE REQUIREMENTS OF ASTM A36. THE METAL GRATE NEED NOT BE PAINTED OR GALVANIZED.
 - WELDING OF THE METAL GRATE SHALL MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY D1.1.
 - GRAY IRON CAST TO THE DIMENSIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AASHTO M306 CLASS 35B GRAY IRON CASTINGS.
 - NOT TO SCALE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED B. SCHELLENBERG	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED K. KAUER	
DETAILED B. SCHELLENBERG	CADD FILE NAME DRAN_DETAIL.DGN
DRAWING CHECKED K. KAUER	DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT
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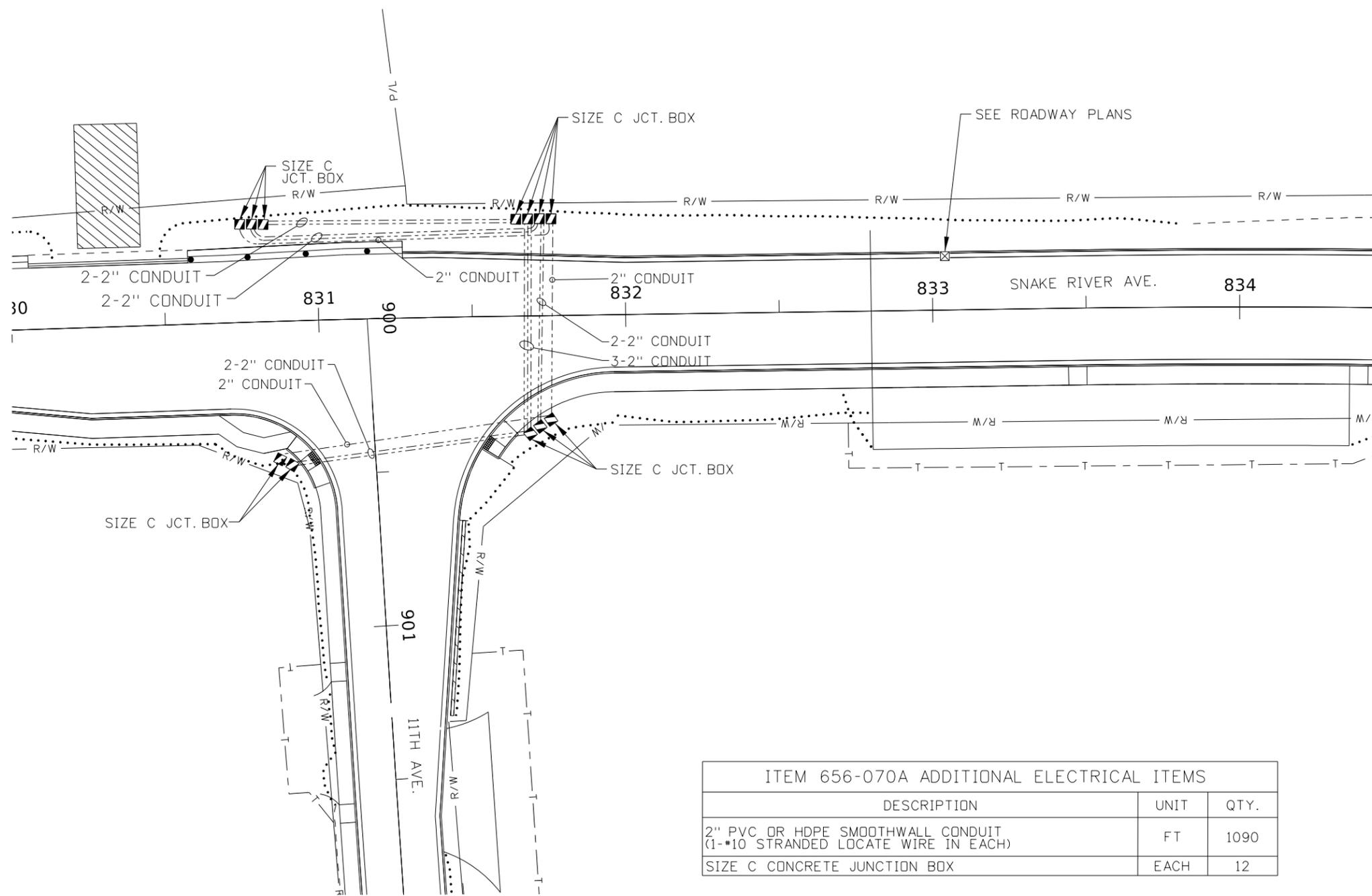
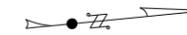
Horrocks.

PROJECT NO. A013(443)

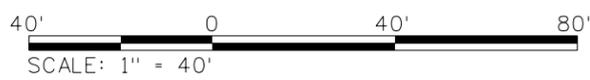
DRAINAGE DETAIL SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE LEWISTON, ID

ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 67 OF 103

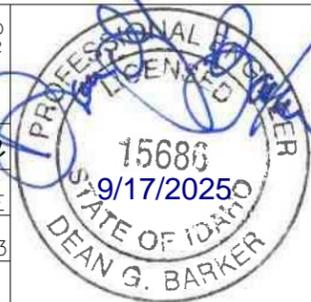
T.35N., R.6W., B.M.



ITEM 656-070A ADDITIONAL ELECTRICAL ITEMS		
DESCRIPTION	UNIT	QTY.
2" PVC OR HDPE SMOOTHWALL CONDUIT (1-#10 STRANDED LOCATE WIRE IN EACH)	FT	1090
SIZE C CONCRETE JUNCTION BOX	EACH	12



ORIGINAL STORED
AT: ITD, District 2
2600 North &
South Highway,
Lewiston, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
DESIGN CHECKED
D. BARKER
DETAILED
K. ARNZEN
DRAWING CHECKED
D. BARKER

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
13443_sig_001.sht
DRAWING DATE:
17-SEP-2025



PROJECT NO.

A013(443)

TRAFFIC SIGNAL PLAN

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

English
COUNTY
NEZ PERCE
KEY NUMBER
13443
SHEET 68 OF 103

SIGN ASSEMBLY	STATION, OFFSET (XXX+XX.XX, RT/LT, SHLD. OR MEDIAN IF ON DIVIDED HWY)	RAMP NUMBER OR LOCAL STREET	FOUNDATION SIZE (INxIN OR INxINxIN)	POST TYPE (A-X, B-X, D-X, E-X)	OFFSET FROM SHLD. OR FACE OF CURB TO POST 1 CENTER (FT)	DISTANCE BETWEEN POSTS (IF USING 2 OR 3 POSTS, FT)	POST 1 LENGTH* (FT)	POST 2 LENGTH* (IF USING 2 OR 3 POSTS, FT)	POST 3 LENGTH* (IF USING 3 POSTS, FT)	DISTANCE FROM SHOULDER OR TOP OF CURB TO SIGN BOTTOM (FT)	SIGN TYPE (B-X, C-X, E)	SIGN DESIGNATION	SIGN SIZE† (INxIN)	SIGN AREA (SF)	SIGN BACKGROUND COLOR	MAIN SIGN LEGEND† COLOR	SIGN BRACE WEIGHT (LBS)	SIGN BRACKET WEIGHT (LBS)	BRACKET NUMBER	NOTES (SIGN LEGEND, SIGN DESCRIPTION, ETC.)
1	800+90.00 RT.	SNAKE RIVER AVE.	8x8x36	E-2	9'		13'			7'	B-1	W4-2R	36x36	9.0	YELLOW	BLACK	14.8			RIGHT LANE ENDS
2	802+30.00 RT.	SNAKE RIVER AVE.	8x8x36	E-2	9'		12.5'			7'	B-1	R2-1	24x30	5.0	WHITE	BLACK				SPEED LIMIT 35
3	803+64.00 RT.	SNAKE RIVER AVE.	8x8x36	E-2	9'		13.0'			7'	B-1	D14-101	36x36	9.0	WHITE	BLUE	14.8			ADOPT A HIGHWAY - N.P.C. COURT SERVICES
4	805+34.00 LT.	SNAKE RIVER AVE.	24x60	B-2	7'		11.0'			5.5'	B-1	W2-6 W13-1P	36x36 18x18	9.0 2.3	YELLOW YELLOW	BLACK BLACK	14.8			INTERSECTION WARNING - CIRCULAR INTERSECTION ADVISORY SPEED PLAQUE - 20 MPH
5	807+54.00 LT.	SNAKE RIVER AVE.	24x60	B-2	9'		11.5'			7'	B-1	SG-1	60x42	17.5	GREEN	WHITE	20.4			ROUNDAABOUT GUIDANCE
6	809+79.00 LT.	SNAKE RIVER AVE.	8x8x36	E-2	7'		13.0'			5.8'	B-1	SR-1 M6-3P	24x24 21x15	4.0 2.2	WHITE WHITE	BLACK BLACK				THRU TRUCK ROUTE DIRECTIONAL ARROW PLAQUE
7	809+79.00 LT.	SNAKE RIVER AVE.	8x8x36	E-2	10'		13.0'			5.8'	B-1	SR-2 M6-6PL	24x24 21x15	4.0 2.2	WHITE WHITE	BLACK BLACK				LOCAL TRUCK ROUTE DIRECTIONAL ARROW PLAQUE
8	810+85.00 LT.	SNAKE RIVER AVE.	8x8x36	E-1	7'		12.0'			7'	B-1	R7-1	12x18	1.5	WHITE	RED				NO PARKING ANY TIME - RIGHT ARROW
9	811+65.00 LT.	SNAKE RIVER AVE.	8x8x36	E-1	7'		12.0'			7'	B-1	R7-1	12x18	1.5	WHITE	RED				NO PARKING ANY TIME - LEFT ARROW
10	813+00.00 LT.	SNAKE RIVER AVE.	8x8x36	E-2	7'		12.5'			7'	B-1	I-56A	48x12	4.0	GREEN	WHITE	10.2			AIRPORT GUIDE SIGN
11	826+30.50 LT.	SNAKE RIVER AVE.	8x8x36	E-2	7'		13.5'			7'	B-1	R2-1	24x30	5.0	WHITE	BLACK				SPEED LIMIT 35
12	830+27.00 RT.	SNAKE RIVER AVE.	8x8x36	E-2	9'		12.5'			7'	B-1	R3-7R	30x30	6.3	WHITE	BLACK				RIGHT LANE MUST TURN RIGHT
13	831+53.00 RT.	SNAKE RIVER AVE.	24x60	B-2	9'		14.5'			7'	B-1	R1-1 D-3 D-3	30x30 48x12 24x12	6.3 8.0 4.0	RED GREEN GREEN	WHITE WHITE WHITE	10.2			STOP SNAKE RIVER AVE 11TH AVE
14	832+35.00 LT.	SNAKE RIVER AVE.	8x8x36	E-2	7'		13.0'			5.8''	B-1	SR-1 M6-3P	24x24 21x15	4.0 2.2	WHITE WHITE	BLACK BLACK				THRU TRUCK ROUTE DIRECTIONAL ARROW PLAQUE
15	833+00.00 LT.	SNAKE RIVER AVE.	16x72	D-4	7'	7.5'	18.0'	18.0'		4.0'		REINSTALL REINSTALL	96x48 96x48							REINSTALL INVASIVE SPECIES SIGN ON NEW POSTS REINSTALL INVASIVE SPECIES SIGN ON NEW POSTS
16	834+50.00 LT.	SNAKE RIVER AVE.	8x8x36	E-2	7'		12.5'			7'	B-1	I-56A	48x12	4.0	GREEN	WHITE	10.2			AIRPORT GUIDE SIGN
17	905+15.00 RT.	11TH AVE.	24x60	B-2	7'		14.5'			6.3'	B-1	R1-1 R1-3P D-3 D-3	30x30 18x6 42x12 24x12	6.3 0.8 7.0 4.0	RED RED GREEN GREEN	WHITE WHITE WHITE WHITE				STOP ALL WAY PLAQUE PROSPECT AVE 11TH AVE

* POST LENGTHS ARE APPROXIMATE. FINALIZE POST LENGTHS IN THE FIELD BEFORE ASSEMBLY.
† FABRICATE SIGNS IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS AND MARKINGS (SHSM) BOOK, FHWA SHSM SUPPLEMENT, ITD SHSM SUPPLEMENT, OR AS SPECIFIED.

REVISIONS			DESIGNED	SCALES SHOWN
NO.	DATE	BY	DESCRIPTION	ARE FOR 11" X 17" PRINTS ONLY

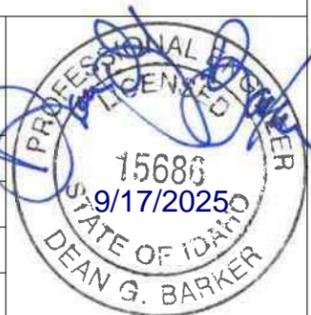
IDAHO TRANSPORTATION DEPARTMENT
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity



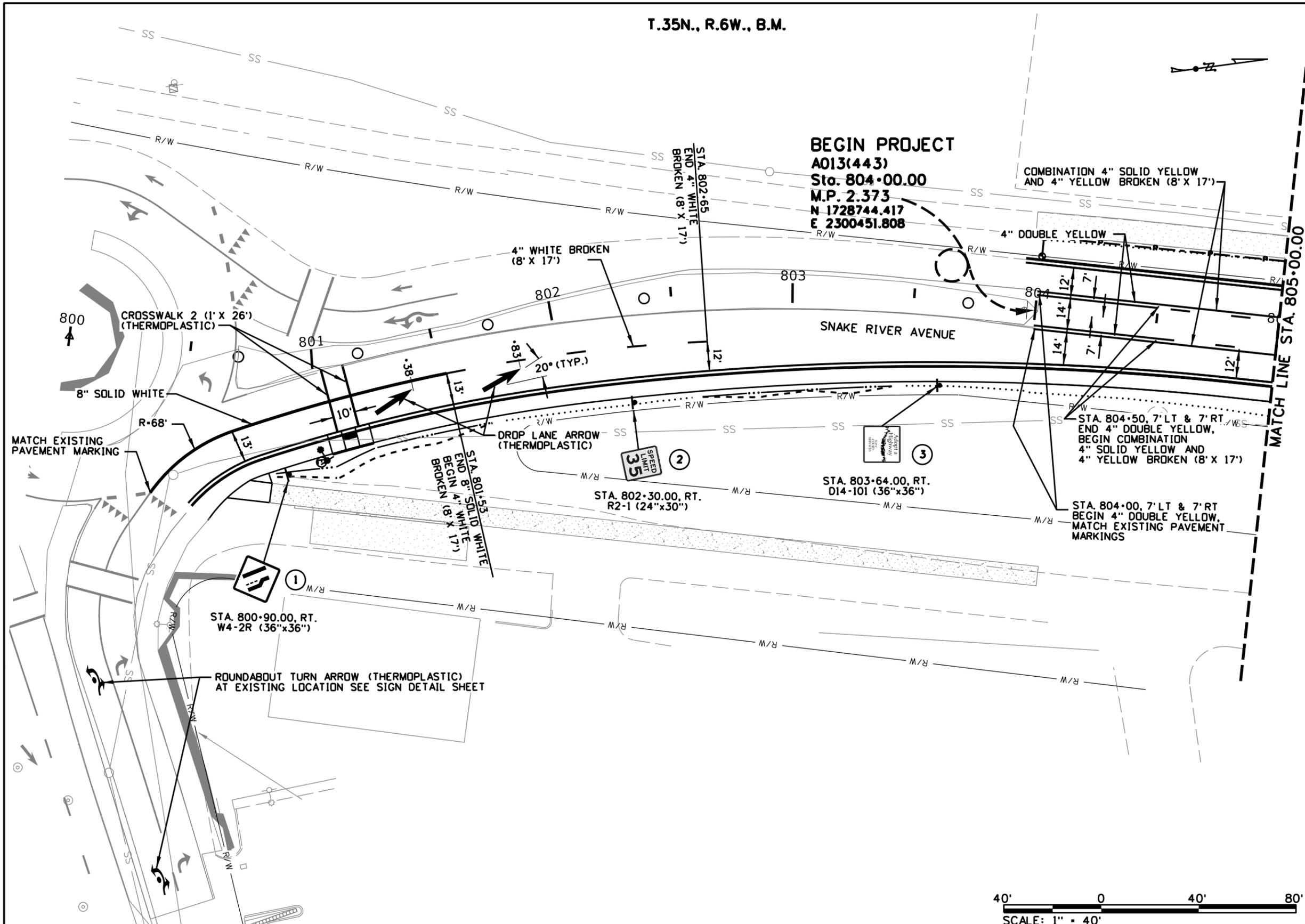
Horrocks.

PROJECT NO.	SIGN SUMMARY
A013(443)	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

ENGLISH
COUNTY
KEY NUMBER
SHEET



T.35N., R.6W., B.M.



BEGIN PROJECT
A013(443)
Sta. 804+00.00
M.P. 2.373
N 1728744.417
E 2300451.808

COMBINATION 4" SOLID YELLOW
 AND 4" YELLOW BROKEN (8' X 17')

4" DOUBLE YELLOW

STA. 804+50, 7' LT & 7' RT
 END 4" DOUBLE YELLOW,
 BEGIN COMBINATION
 4" SOLID YELLOW AND
 4" YELLOW BROKEN (8' X 17')

STA. 804+00, 7' LT & 7' RT
 BEGIN 4" DOUBLE YELLOW,
 MATCH EXISTING PAVEMENT
 MARKINGS

STA. 803+64.00, RT.
 D14-101 (36"x36")

STA. 802+30.00, RT.
 R2-1 (24"x30")

STA. 800+90.00, RT.
 W4-2R (36"x36")

ROUNDABOUT TURN ARROW (THERMOPLASTIC)
 AT EXISTING LOCATION SEE SIGN DETAIL SHEET



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	T. WILLIAMS	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_PVMK_01.DGN
DRAWING CHECKED	D. BARKER	DRAWING DATE: 17-SEP-2025

IDAHO
TRANSPORTATION
DEPARTMENT

YOUR Safety-YOUR Mobility-YOUR Economic Opportunity

Horrocks.

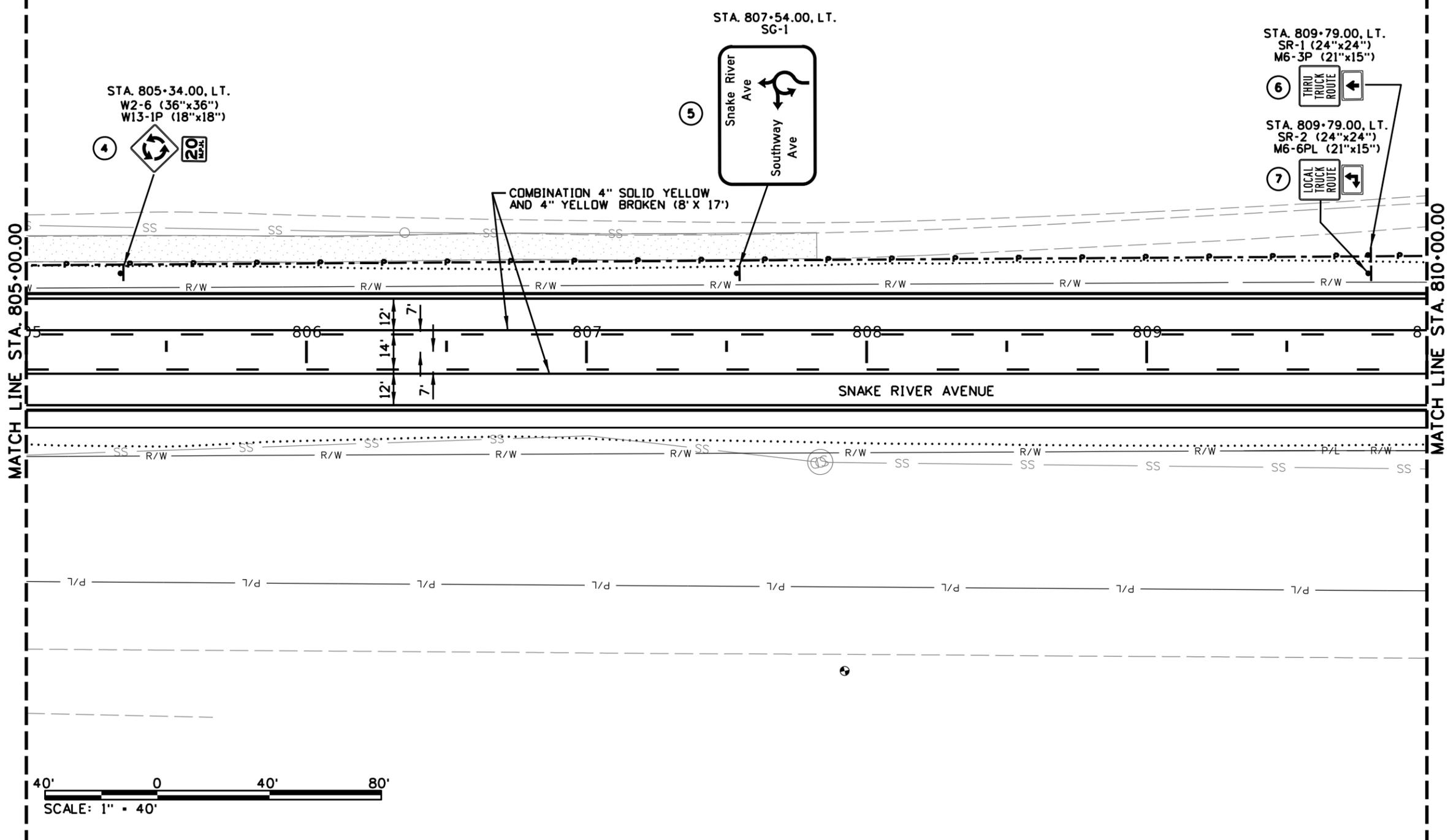
PROJECT NO.	A013(443)
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SIGNING AND PAVEMENT MARKINGS	ENGLISH
SNAKE RIVER AVE 15TH TO 11TH AVE STA. 800+00.00 TO STA. 805+00.00	

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	70 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	T. WILLIAMS
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_PVMK_01.DGN

DRAWING DATE:
17-SEP-2025

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Horrocks.

PROJECT NO.

A013(443)

SIGNING AND PAVEMENT MARKINGS

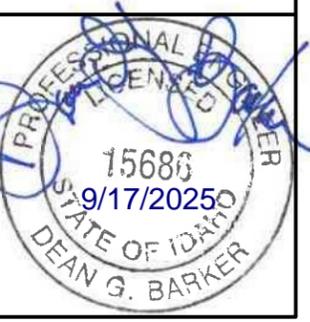
Snake River Ave
15th to 11th Ave
Sta. 805+00.00 to Sta. 810+00.00

ENGLISH

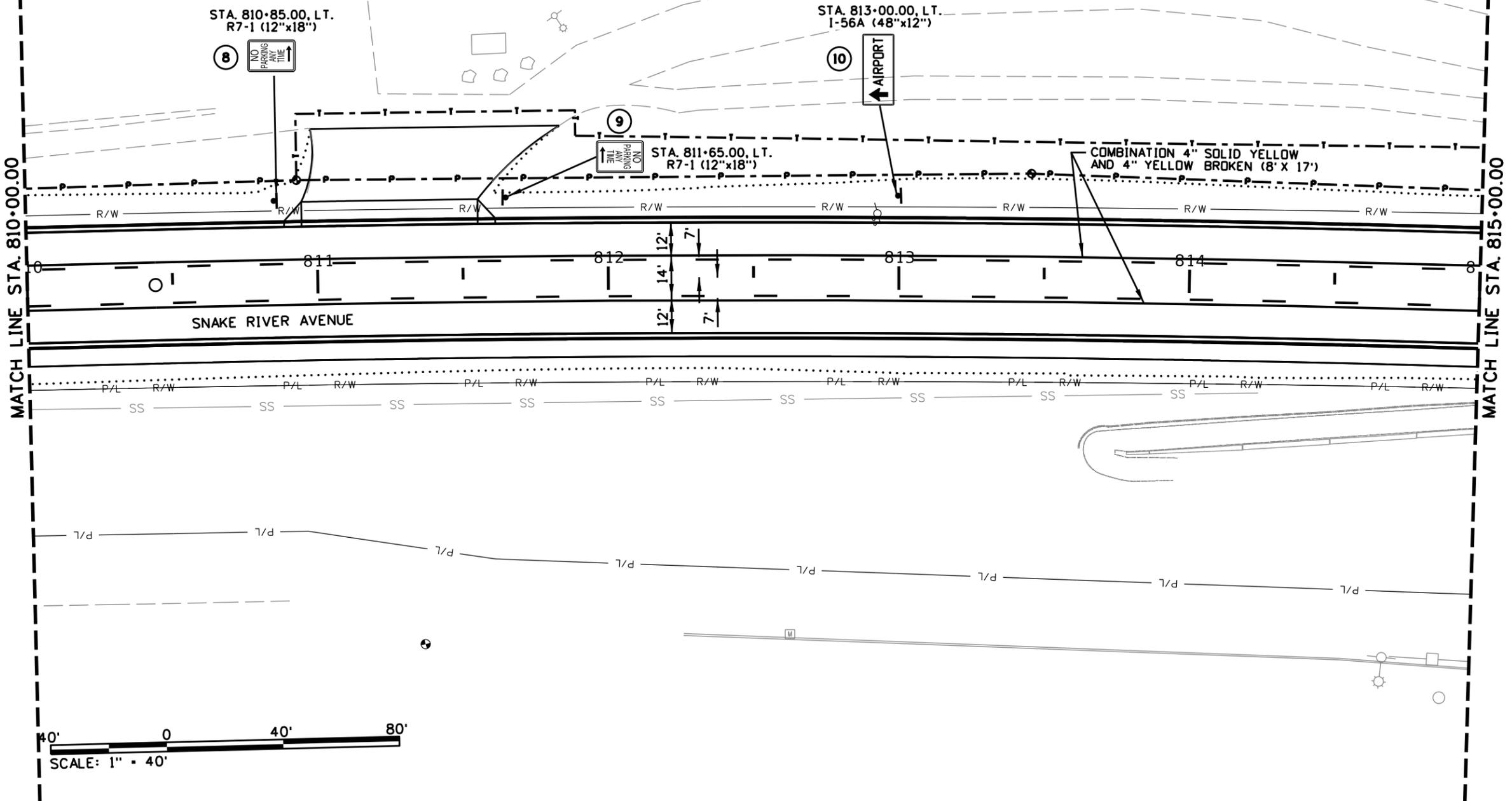
COUNTY
NEZ PERCE

KEY NUMBER
13443

SHEET 71 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	T. WILLIAMS
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_PVMK_01.DGN

DRAWING DATE:
17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

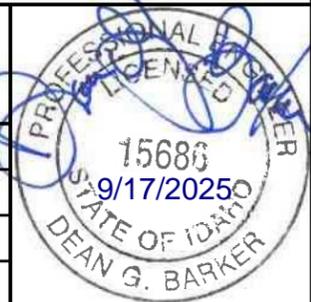
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

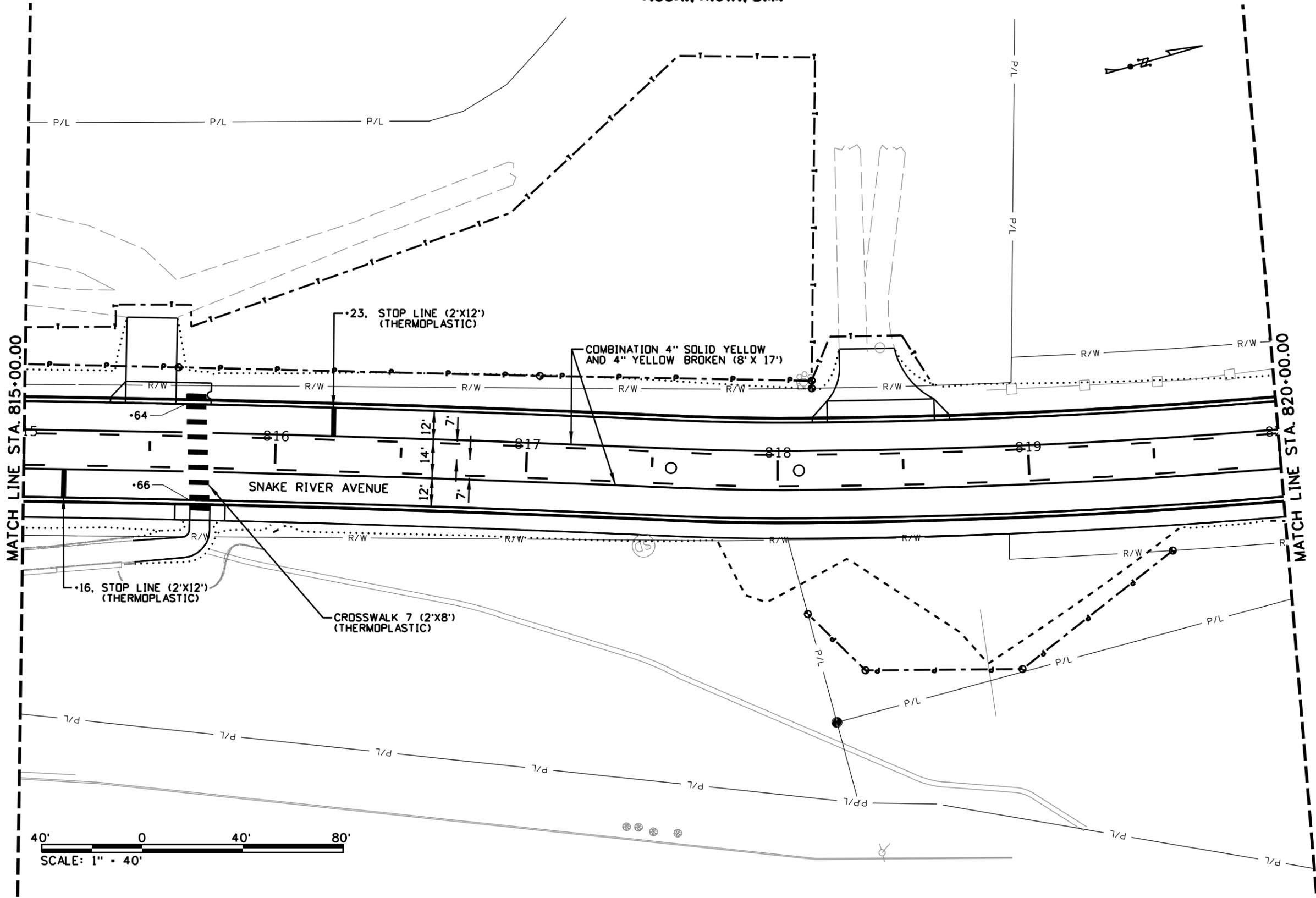
PROJECT NO.	A013(443)
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SIGNING AND PAVEMENT MARKINGS	ENGLISH

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	72 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	T. WILLIAMS	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_PVMK_01.DGN
DRAWING CHECKED	D. BARKER	DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

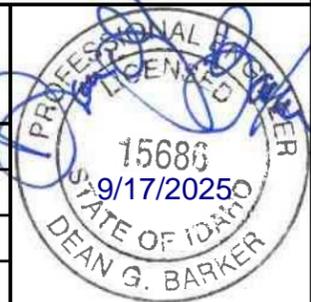
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

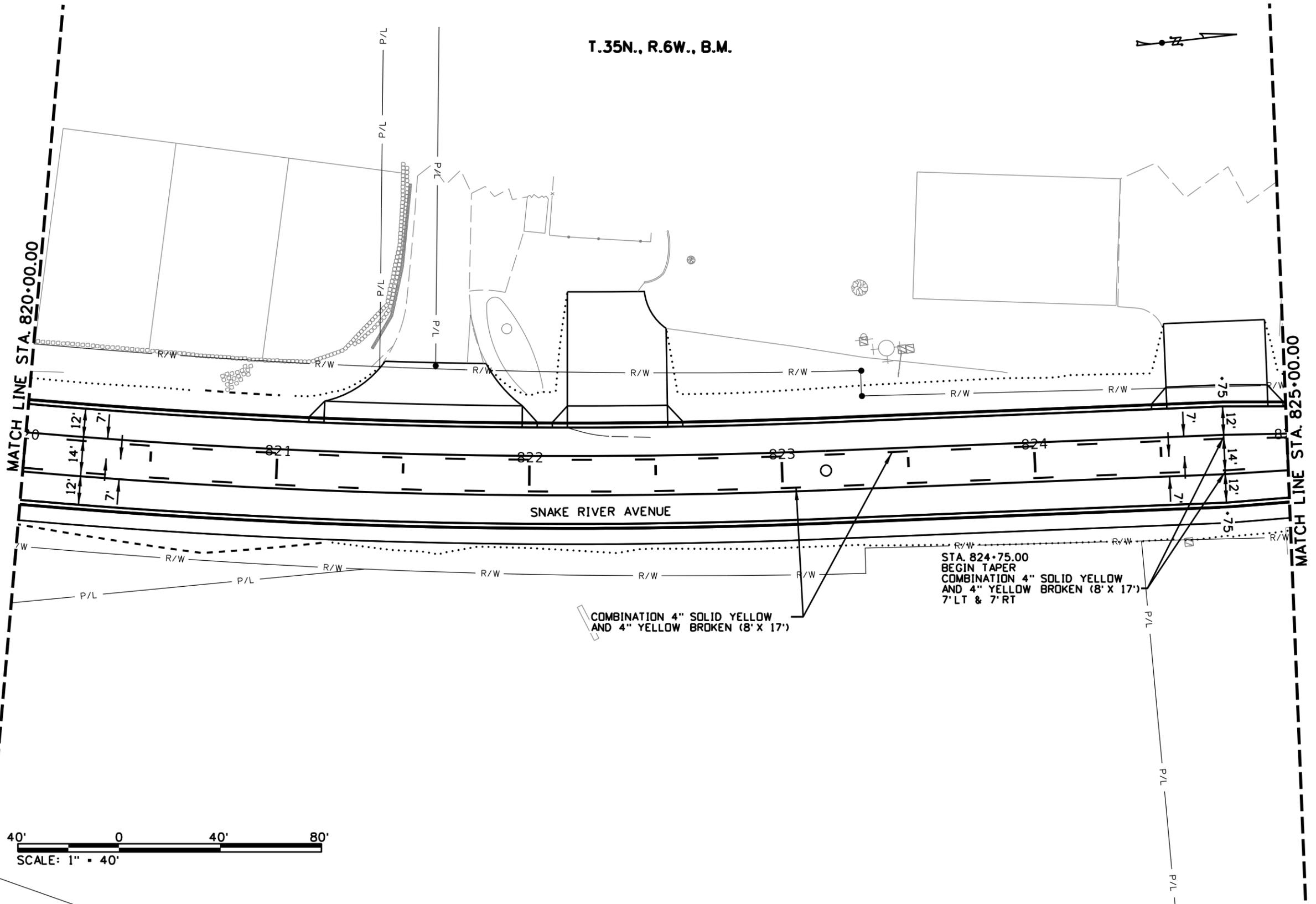
PROJECT NO.	A013(443)
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SIGNING AND PAVEMENT MARKINGS	ENGLISH

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	73 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	T. WILLIAMS
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443_PVMK_01.DGN
DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

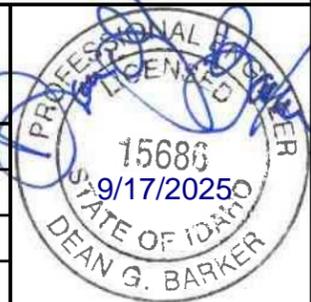
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

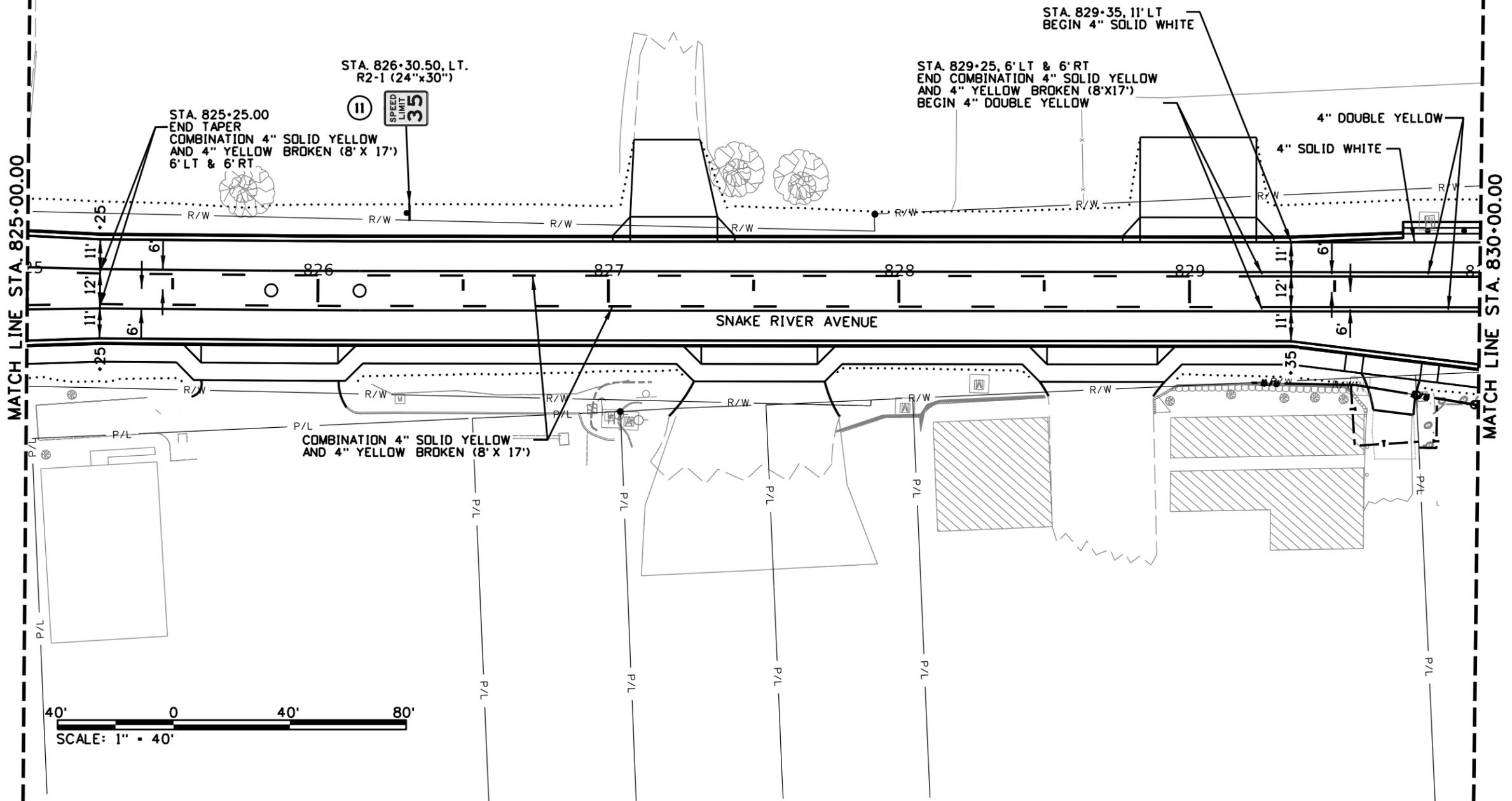
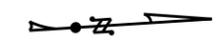
PROJECT NO.	A013(443)
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SIGNING AND PAVEMENT MARKINGS	ENGLISH

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	74 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	T. WILLIAMS
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME
13443_PVMK_01.DGN

DRAWING DATE:
17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

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Horrocks.

PROJECT NO.

A013(443)

SIGNING AND PAVEMENT MARKINGS

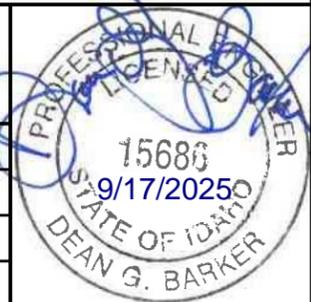
**SNAKE RIVER AVE
15TH TO 11TH AVE
STA. 825+00.00 TO STA. 830+00.00**

ENGLISH

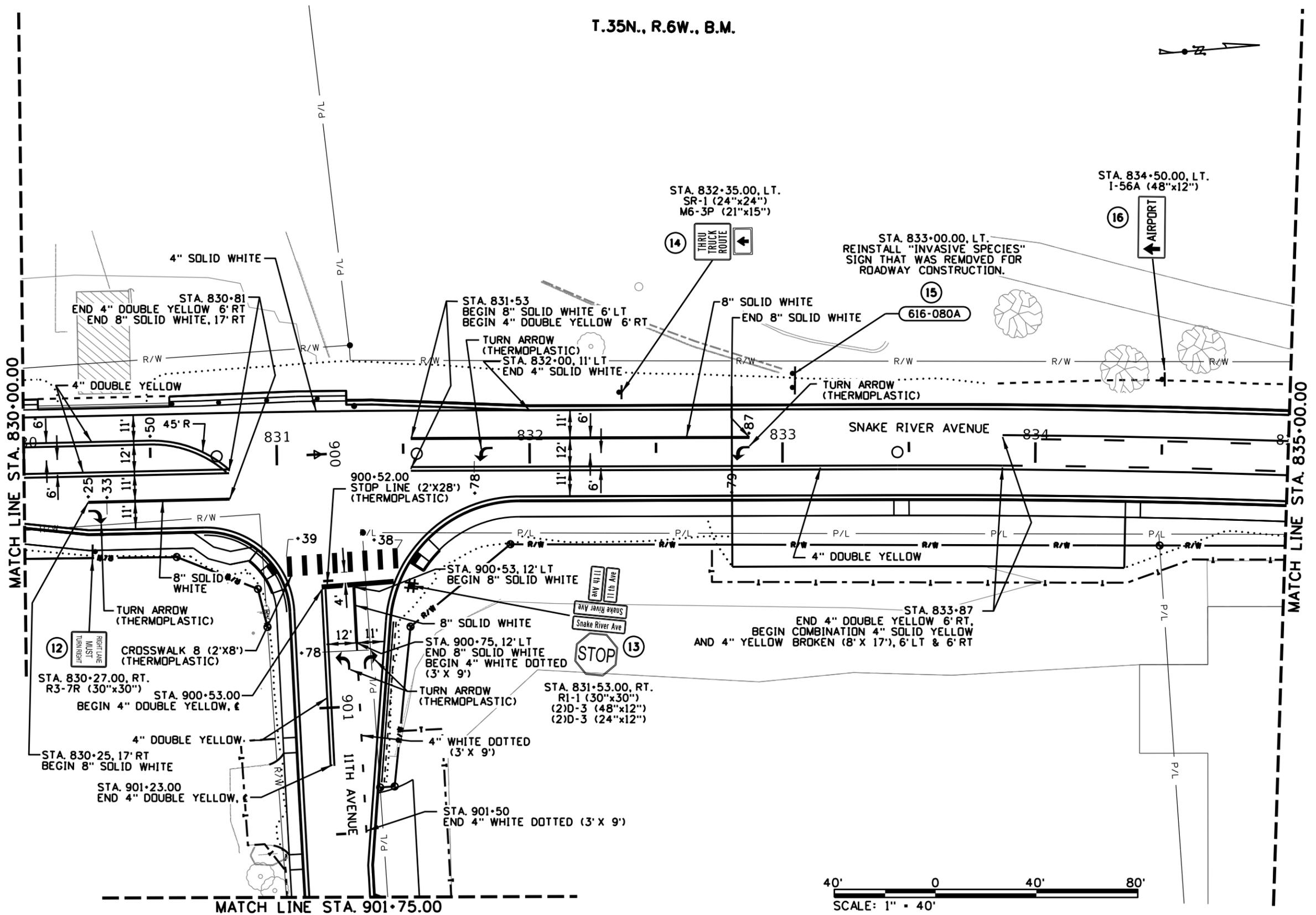
COUNTY
NEZ PERCE

KEY NUMBER
13443

SHEET 75 OF 103



T.35N., R.6W., B.M.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	T. WILLIAMS	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_PVMK_01.DGN
DRAWING CHECKED	D. BARKER	DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

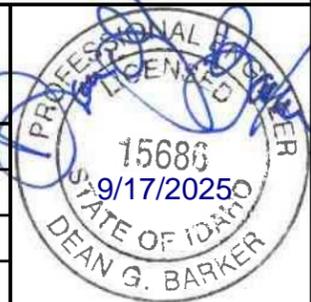
YOUR Safety-YOUR Mobility-YOUR Economic Opportunity

Horrocks.

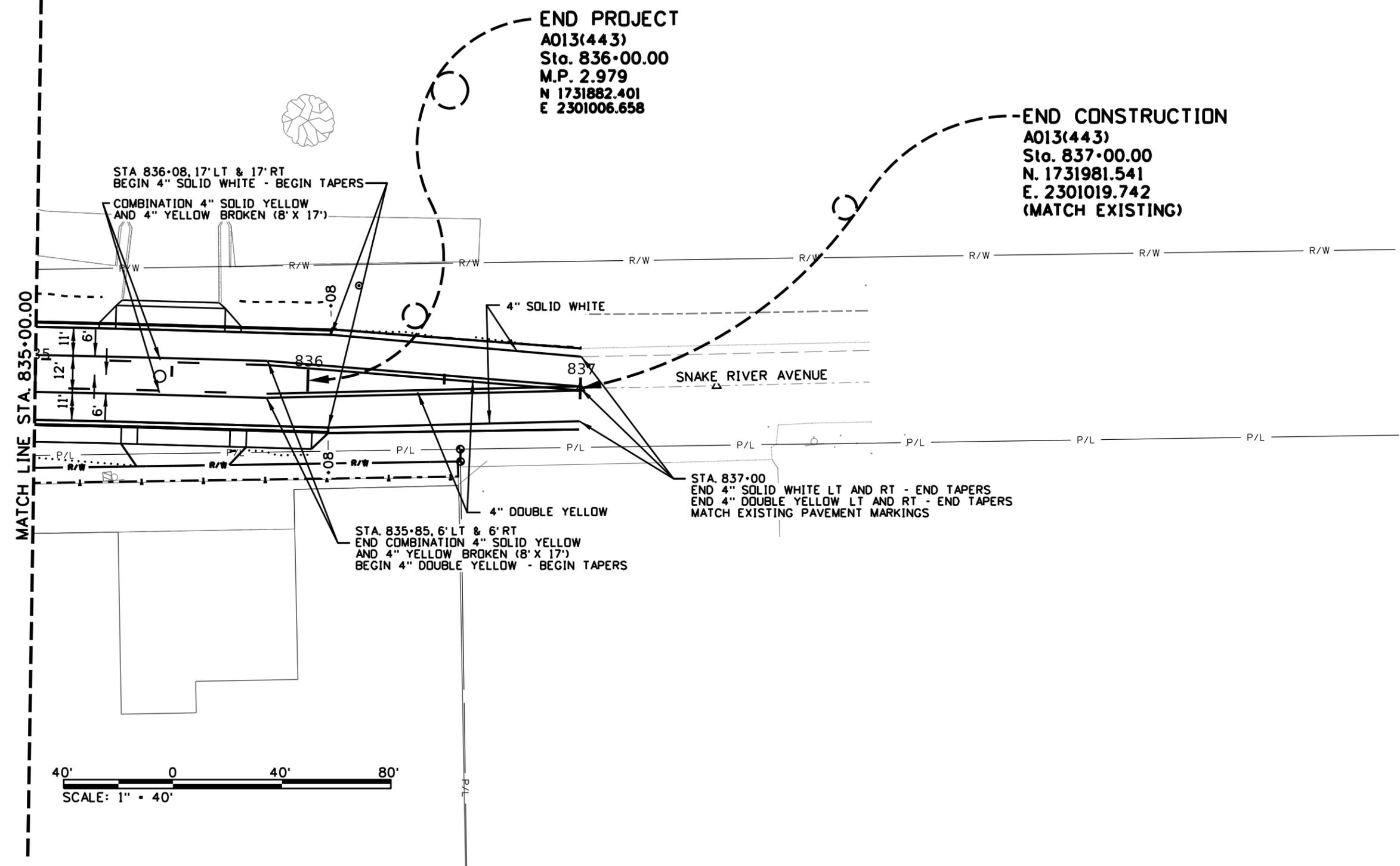
PROJECT NO.	A013(443)
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SIGNING AND PAVEMENT MARKINGS	ENGLISH
SNAKE RIVER AVE 15TH TO 11TH AVE STA. 830+00.00 TO STA. 835+00.00	

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	76 OF 103



T.35N., R.6W., B.M.



END PROJECT
 A013(443)
 Sta. 836+00.00
 M.P. 2.979
 N 1731882.401
 E 2301006.658

END CONSTRUCTION
 A013(443)
 Sta. 837+00.00
 N. 1731981.541
 E. 2301019.742
 (MATCH EXISTING)

STA 836+08, 17' LT & 17' RT
 BEGIN 4" SOLID WHITE - BEGIN TAPERS
 COMBINATION 4" SOLID YELLOW
 AND 4" YELLOW BROKEN (8' X 17')

STA. 837+00
 END 4" SOLID WHITE LT AND RT - END TAPERS
 END 4" DOUBLE YELLOW LT AND RT - END TAPERS
 MATCH EXISTING PAVEMENT MARKINGS

STA. 835+85, 6' LT & 6' RT
 END COMBINATION 4" SOLID YELLOW
 AND 4" YELLOW BROKEN (8' X 17')
 BEGIN 4" DOUBLE YELLOW - BEGIN TAPERS



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED T. WILLIAMS
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_PVMK_01.DGN
 DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

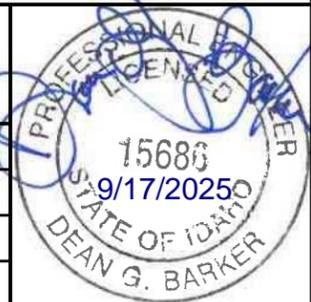
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

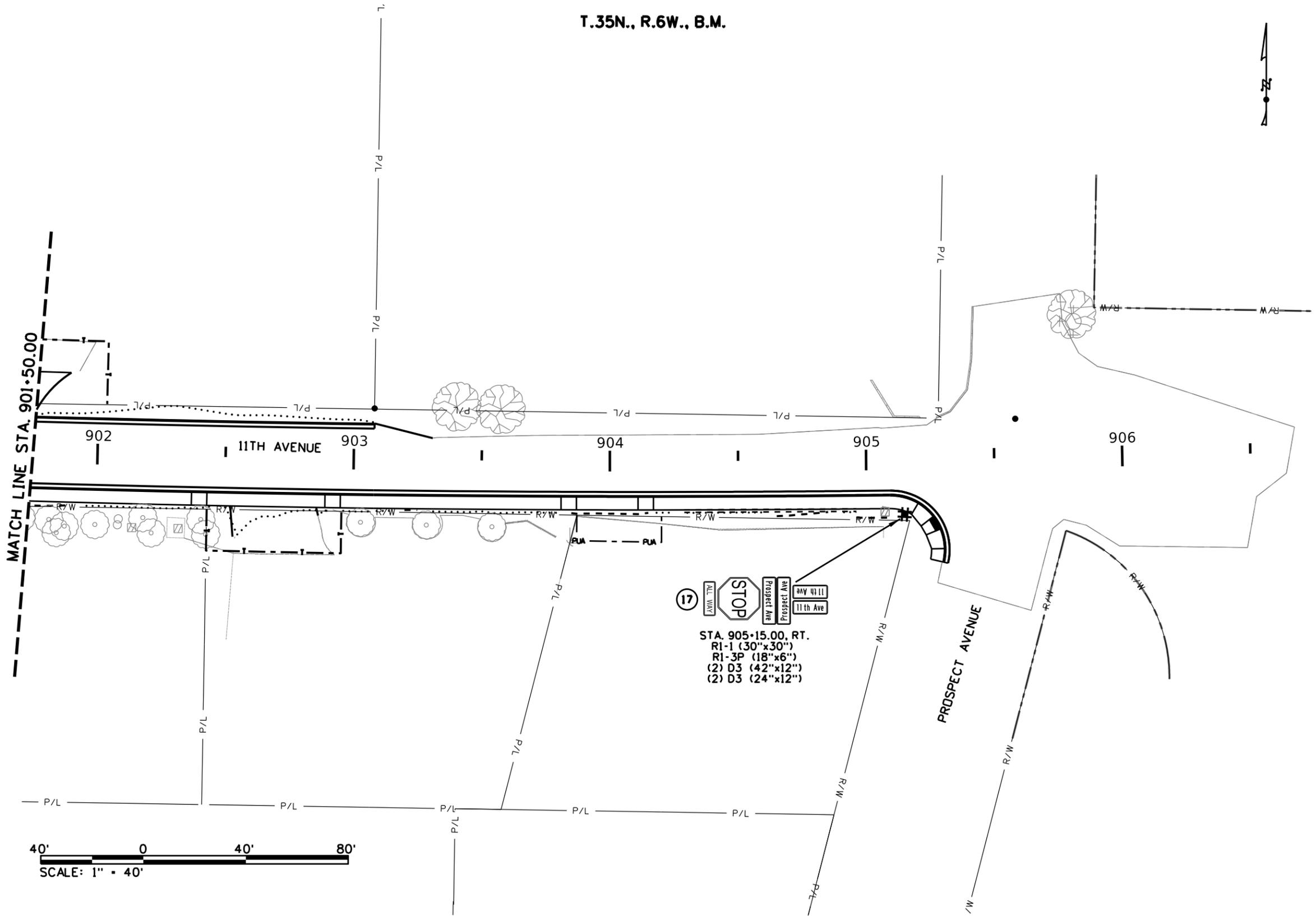
PROJECT NO.
 A013(443)

SIGNING AND PAVEMENT MARKINGS
 SNAKE RIVER AVE
 15TH TO 11TH AVE
 STA. 835+00.00 TO STA. 839+37.00

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 77 OF 103



T.35N., R.6W., B.M.








STA. 905+15.00, RT.
 R1-1 (30"x30")
 R1-3P (18"x6")
 (2) D3 (42"x12")
 (2) D3 (24"x12")

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN
DESIGN CHECKED	T. WILLIAMS
DETAILED	K. ARNZEN
DRAWING CHECKED	D. BARKER

SCALES SHOWN
 ARE FOR 11" X 17"
 PRINTS ONLY
 CADD FILE NAME
 13443_PVMK_01.DGN
 DRAWING DATE:
 17-SEP-2025

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




Horrocks.

PROJECT NO.
 A013(443)

SIGNING AND PAVEMENT MARKINGS
 SNAKE RIVER AVE
 15TH TO 11TH AVE
 STA. 901+75.00 TO STA. 906+00.00

ENGLISH
 COUNTY
 NEZ PERCE
 KEY NUMBER
 13443
 SHEET 78 OF 103

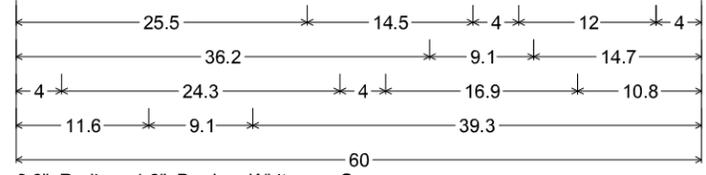
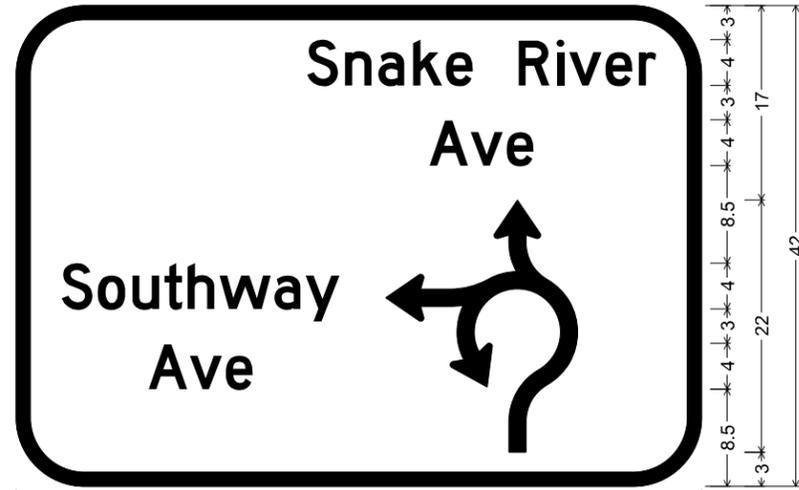


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\$\$\$DATE\$\$\$

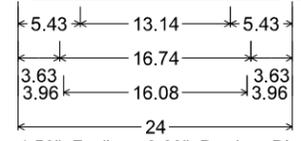
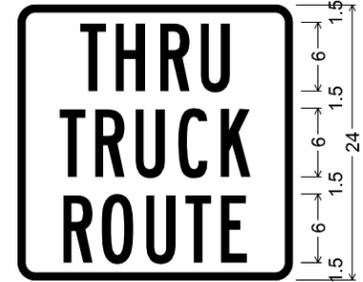
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SIGN ASSEMBLY NUMBER 5



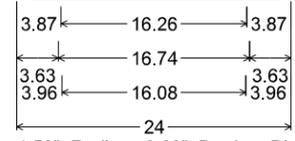
6.0" Radius, 1.3" Border, White on Green;
 [Snake River] D 2K; [Ave] D 2K; [Southway] D 2K; [Ave] D 2K;
 North Leg Roundabout Arrow;
 SIGN: SG-1

SIGN ASSEMBLY NUMBER 6 14



1.50" Radius, 0.63" Border, Black on White;
 [THRU] B 2K;
 [TRUCK] B 2K;
 [ROUTE] B 2K;
 SIGN: SR-1

SIGN ASSEMBLY NUMBER 7



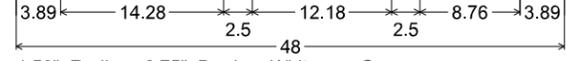
1.50" Radius, 0.63" Border, Black on White;
 [LOCAL] B 2K;
 [TRUCK] B 2K;
 [ROUTE] B 2K;
 SIGN: SR-2

SIGN ASSEMBLY NUMBER 13 17



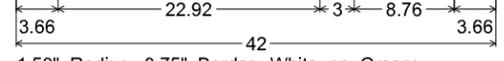
1.50" Radius, 0.75" Border, White on Green;
 [11 th] B 2K; [Ave] B 2K;
 SIGN: D-3

SIGN ASSEMBLY NUMBER 13



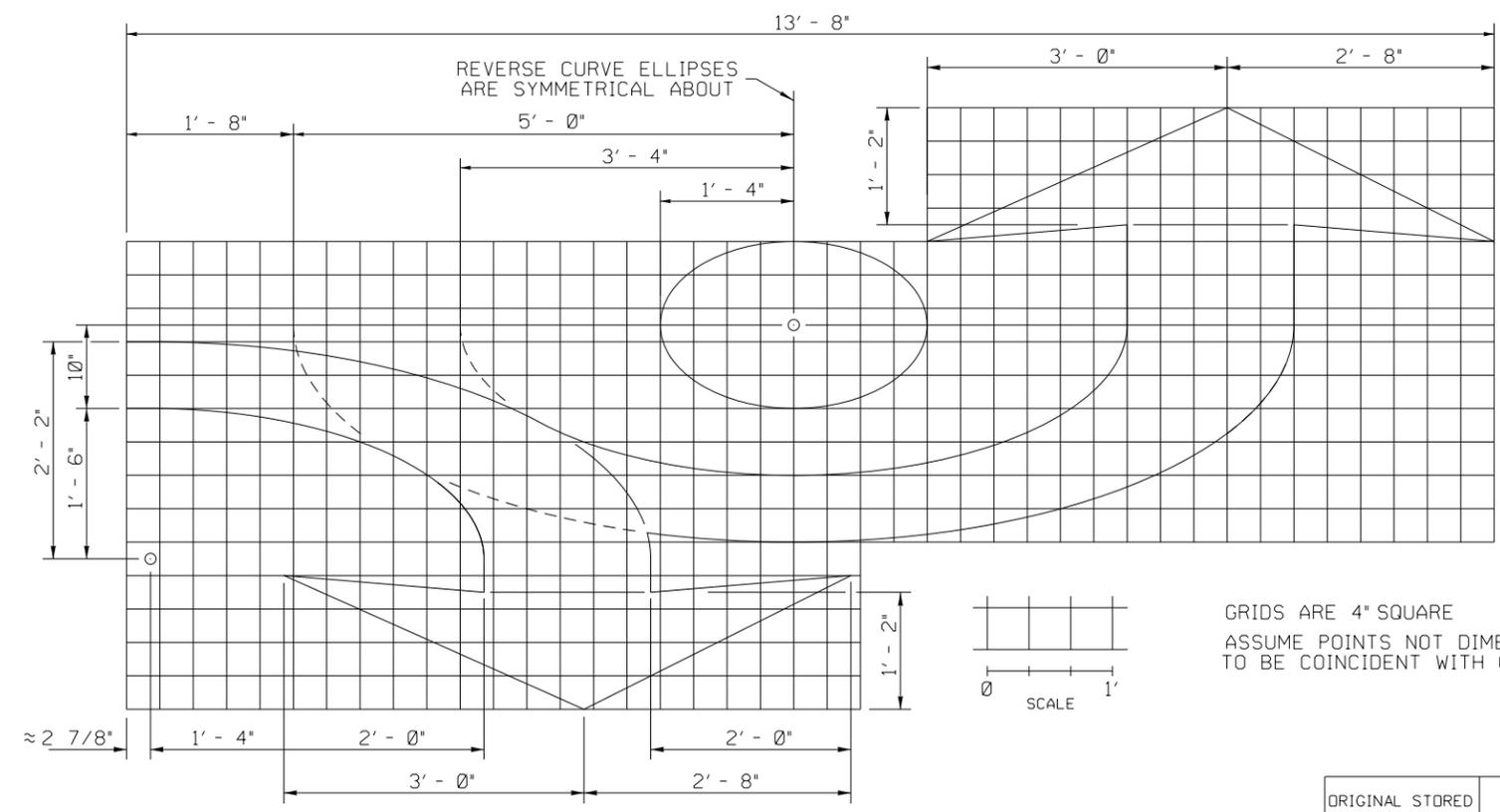
1.50" Radius, 0.75" Border, White on Green;
 [Snake] B 2K; [River] B 2K; [Ave] B 2K;
 SIGN: D-3

SIGN ASSEMBLY NUMBER 17



1.50" Radius, 0.75" Border, White on Green;
 [Prospect] B 2K; [Ave] B 2K;
 SIGN: D-3

ROUNDBOUT TURN ARROW



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	
DETAILED K. ARNZEN	CADD FILE NAME 13443_signdtl_01.sht
DRAWING CHECKED D. BARKER	DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT



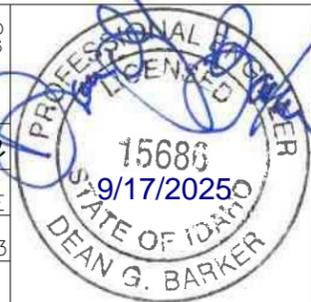
Horrocks.

PROJECT NO. A013(443)

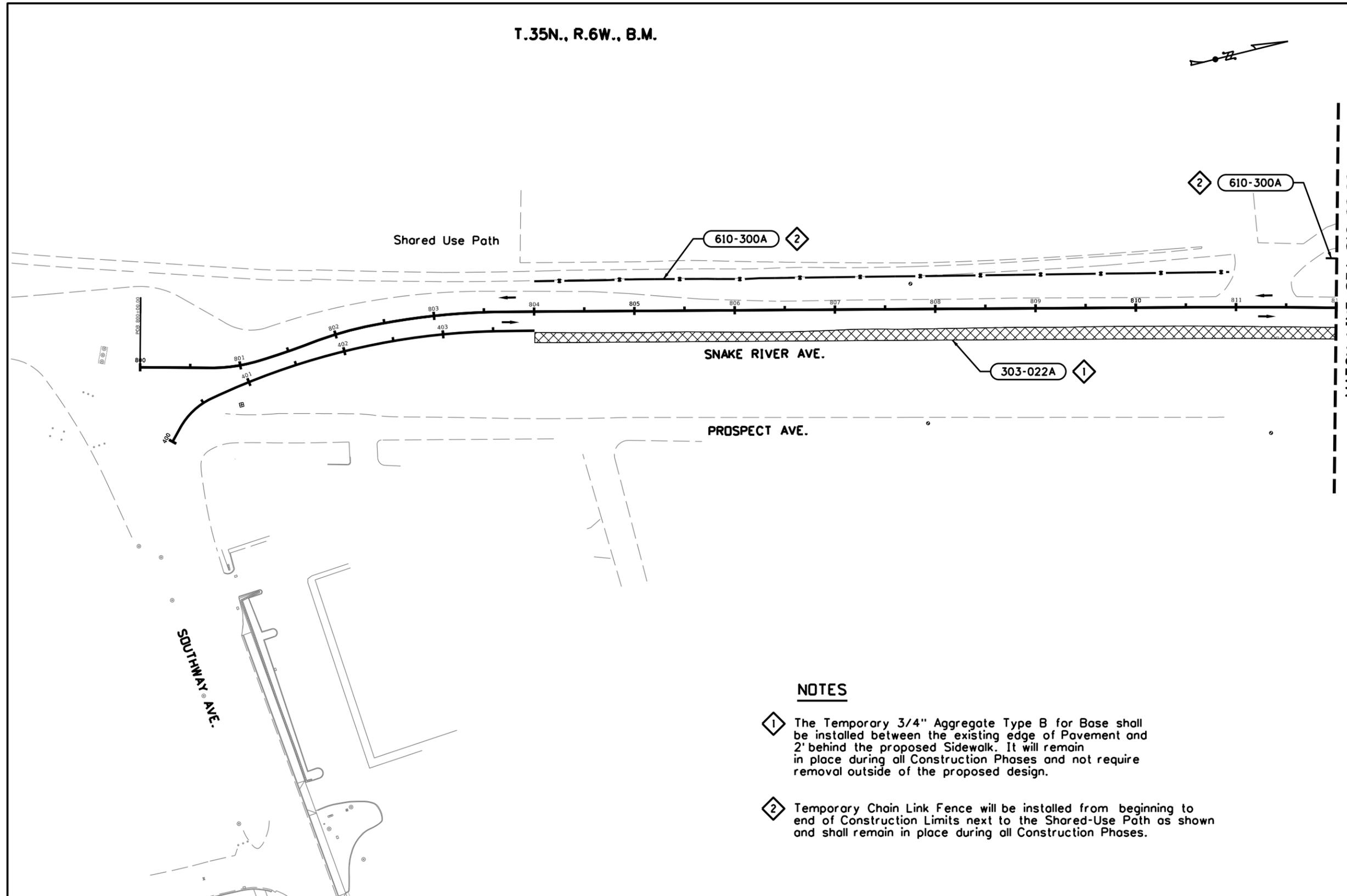
SIGN DETAIL SHEET SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 79 OF 103

ORIGINAL STORED
AT: ITD, District 3
8150 Chinden
Boulevard,
Boise, ID



T.35N., R.6W., B.M.



- 303-022A** 3/4" Aggregate Type B For Base (Untreated)
305 Ton Sta. 804+00.00 Rt to Sta. 812+00.00, Rt.
- 610-300A** TEMPORARY FENCE (TYPE 4, 8')
743 FT Sta. 803+49.00 Lt to Sta. 810+92.00, Lt.
39 FT Sta. 811+64.00 Lt to Sta. 812+00.00, Lt.

- NOTES**
- 1 The Temporary 3/4" Aggregate Type B for Base shall be installed between the existing edge of Pavement and 2' behind the proposed Sidewalk. It will remain in place during all Construction Phases and not require removal outside of the proposed design.
 - 2 Temporary Chain Link Fence will be installed from beginning to end of Construction Limits next to the Shared-Use Path as shown and shall remain in place during all Construction Phases.

- LEGEND**
- 3/4" Aggr Ty B for Base



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443 tcon 001.dgn
 DRAWING DATE: 17-SEP-2025

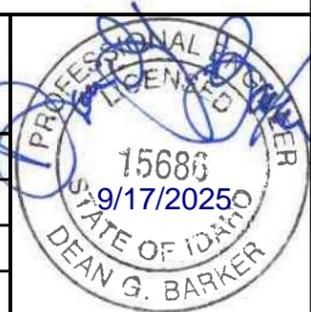
IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

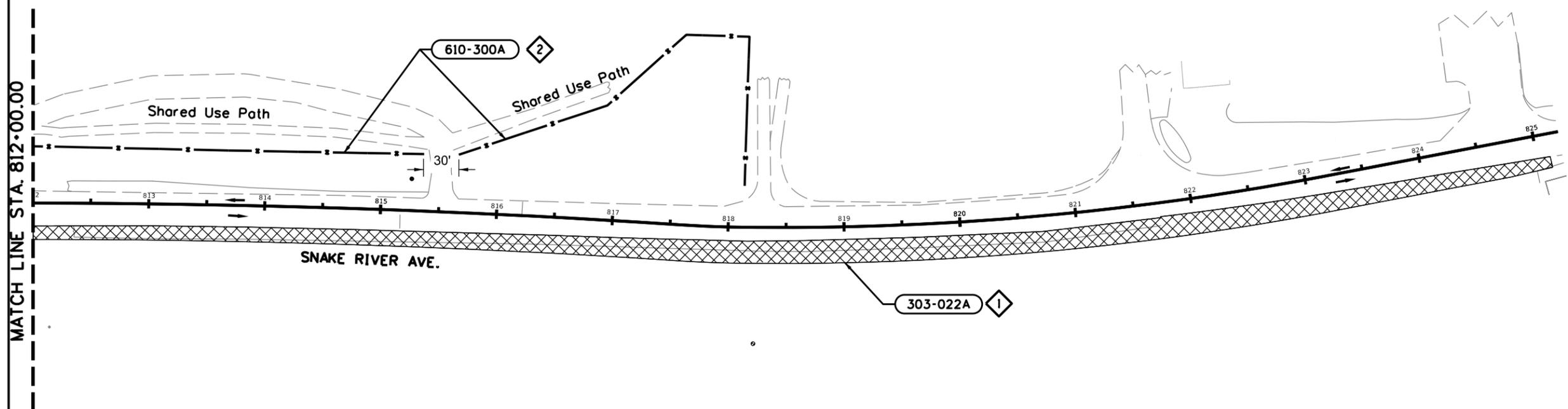
PROJECT NO.
 A013(443)

TEMPORARY CONSTRUCTION PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE
 PHASE 1

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 80 OF 103



T.35N., R.6W., B.M.



303-022A 3/4" Aggregate Type B For Base (Untreated)
717 Ton Sta. 812+00.00 Rt to Sta. 825+12.00, Rt.

610-300A TEMPORARY FENCE, (TYPE 4, 8')
336 FT. Sta. 812+00.00 Lt to Sta. 815+36.00, Lt.
409 FT. Sta. 812+00.00 Lt to Sta. 817+96.00, Lt.

MATCH LINE STA. 812+00.00

NOTES

- ① The Temporary 3/4" Aggregate Type B for Base shall be installed between the existing edge of Pavement and 2' behind the proposed Sidewalk. It will remain in place during all Construction Phases and not require removal outside of the proposed design.
- ② Temporary Chain Link Fence will be installed from beginning to end of Construction Limits next to the Shared-Use Path as shown and shall remain in place during all Construction Phases.

LEGEND

3/4" Aggr Ty B for Base



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443 tcon_002.dgn
 DRAWING DATE: 17-SEP-2025

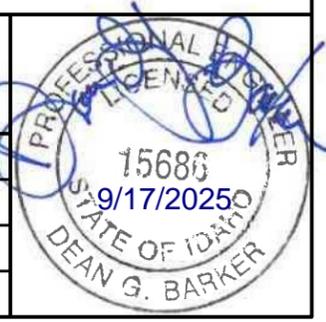
IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

Horrocks.

PROJECT NO.
A013(443)

TEMPORARY CONSTRUCTION PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE
 PHASE 1

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 81 OF 103



TRAFFIC CONTROL BID ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QTY.
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	804.0
626-040A	RENT CONST BARR CL B TY III	EACH	8
626-050A	DRUMS	EACH	50
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	CA	1
626-105A	TEMPORARY TRAFFIC CONTROL MAINTENANCE	HR	450
626-135A	WEIGHTED BASE TUBULAR MARKERS	EACH	150
630-120A	FLAGGER CONTROL	HR	1,000
626-112B	FLOOD LIGHTS	DAY	125

GENERAL NOTES

- All pavement markings and sign fabrication installation shall be in accordance with the MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES as adopted by the State.
- All regulatory signs in conflict with work zone signs, such as speed limit signs shall be taken down or covered up.
- If the Traffic Control Plan as shown does not conform to the contractors method of operation, the contractor shall submit new Traffic Control Plans to the engineer for approval prior to beginning construction.
- All required work zone signing, temporary pavement markings, tubular markers and barricades shall be in place prior to any diversion of traffic within the project.
- Additional signing may be required as directed by the engineer.
- All construction not completed to even lines and grade before completion of the work day, shall require the "Abrupt Lane Edge" sign (W21-7B).
- All work zone warning signs shall have Two Warning Flags. A battery operated flashing warning light shall be in place during hours of darkness.
- Work Zone signs shall be mounted at a minimum 7' (foot) mounting height, measured to the bottom of the sign. All warning signs shall be a minimum of 48". signs and sign supports shall meet the NCHRP-350 crashworthiness standard.
- Refer to ITD Sign Chart for sign numbers contained in the plans.
- Work and Roadway condition shall be monitored a minimum of twice daily to ensure traffic control measures are operating effectively and all devices are in good condition.
- Work zone signs shall be mounted on wood posts and comply with standard drawing I-8-E. Sign Panels shall be made of aluminum or plywood. Posts and hardware that may be required for rent construction sign, class B, are incidental to the 626-010A bid item.
- All private drives, business drives, access roads and the boat ramp shall remain open, accessible and maintained during construction.

APPROXIMATE SIGNING QUANTITIES						
SIGN	CLASS	LOGO	SIZE	QTY.	SQ. FT.	TOTAL SQ. FT.
D-3(o)	B	SNAKE RIVER AVE	48" x 12"	25	4.0	100.0
G20-3	B	END ROAD WORK	48" x 24"	4	8.0	32.0
G20-5	B	END DETOUR	30" x 24"	2	6.3	12.6
M4-8	B	DETOUR	24" x 12"	14	2.0	28.0
M4-9L	B	DETOUR WITH ARROW	30" x 24"	3	5.0	15.0
M4-9R	B	DETOUR WITH ARROW	30" x 24"	3	5.0	15.0
M6-3(o)	B	ARROW	21" x 15"	13	2.2	30.8
R2-1A	B	SPEED LIMIT 25	36" x 48"	3	12.0	36.0
R9-3	B	NO PEDESTRIAN	18" x 18"	1	2.25	2.25
R11-2	B	ROAD CLOSED	48" x 30"	2	10.0	20.0
R11-4	B	ROAD CLOSED TO THRU TRAFFIC	60" x 30"	2	12.5	25.0
SC-1	B	USE ALTERNATE ROUTE	72" x 48"	1	24.0	24.0
W3-5TB(o)	B	25 MPH SPEED ZONE AHEAD	48" x 48"	3	16.0	48.0
W8-1B(o)	B	BUMP	48" x 48"	2	16.0	32.0
W20-2B	B	DETOUR AHEAD	48" x 48"	2	16.0	32.0
W20-4B	B	ONE LANE ROAD AHEAD	48" x 48"	2	16.0	32.0
W20-7B	B		48" x 48"	2	16.0	32.0
W20-9B	B	BE PREPARED TO STOP	48" x 48"	2	16.0	32.0
W21-4B	B	ROAD WORK AHEAD	48" x 48"	5	16.0	80.0
W21-7B	B	ABRUPT LANE EDGE	48" x 48"	2	16.0	32.0
W21-701B	B	SHOULDER DROP-OFF WITH CAR	48" x 48"	2	16.0	32.0
SPECIAL	B	SHOULDER DROP-OFF	24" x 18"	2	3.0	6.0
W21-702B	B	LOW SHOULDER	48" x 48"	2	16.0	32.0
10% CONTINGENCY = 73			TOTAL	99		804.0

USE FOR A BUMP IN THE ROAD

BUMP

W8-1B(o)
48" x 48"

USE FOR UNEVEN ROADWAY SURFACES BETWEEN LANES

ONE LANE ROAD AHEAD

W20-4B
48" x 48"

USE WHEN SHOULDER DROP-OFF IS LESS THAN 3 INCHES

ABRUPT LANE EDGE

W21-7B
48" x 48"

USE WHEN SHOULDER DROP-OFF IS MORE THAN 3 INCHES

LOW SHOULDER

W21-702B
48" x 48"

SHOULDER DROP-OFF

W21-701B
48" x 48"

SPECIAL
24" x 18"

THESE SIGNS MAY BE REQUIRED. LOCATE AS NEEDED.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
DESIGN CHECKED D. BARKER
DETAILED K. ARNZEN
DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443_tcquan_001.dgn
DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO. A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

English

COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 82 OF 103

ORIGINAL STORED AT: ITD, District 3
8150 Chinden Boulevard, Boise, ID

PROFESSIONAL ENGINEER
15686
9/17/2025
STATE OF IDAHO
DEAN G. BARKER

\$\$\$TIME\$\$\$

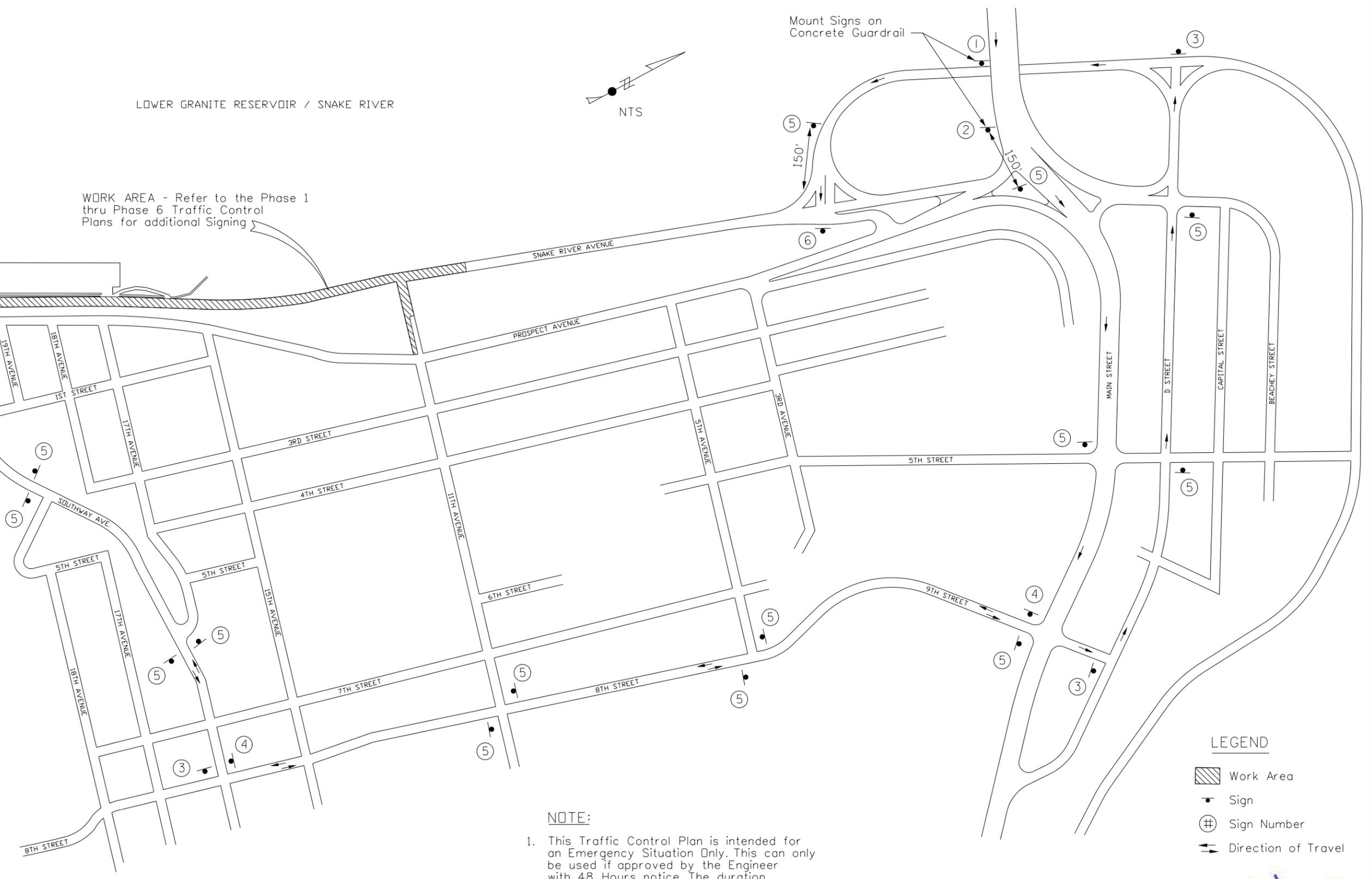
\$\$\$DATE\$\$\$

\$\$\$FILE\$\$\$

\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

- TRAFFIC DETOUR SIGNING**
- ① ROAD WORK AHEAD W21-4B 48" x 48"
 - ② DETOUR AHEAD W20-2B 48" x 48"
 - ③ Snake River Ave D-3(o) 48" x 12"
M4-9L 30" x 24"
 - ④ Snake River Ave D-3(o) 48" x 12"
M4-9R 30" x 24"
 - ⑤ Snake River Ave M4-8(o) 24" x 12"
D-3(o) 48" x 12"
M6-3(o) 21" x 15"
 - ⑥ END DETOUR G20-5 30" x 24"



NOTE:

1. This Traffic Control Plan is intended for an Emergency Situation Only. This can only be used if approved by the Engineer with 48 Hours notice. The duration of the Detour shall not exceed 24 Hours, unless otherwise approved.

ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID

English

COUNTY NEZ PERCE

KEY NUMBER 13443

SHEET 83 OF 103

15686

9/17/2025

DEAN G. BARKER

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN

DESIGN CHECKED D. BARKER

DETAILED K. ARNZEN

DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 13443_tcp_Detour1.dgn

DRAWING DATE: 17-SEP-2025

IDAHO TRANSPORTATION DEPARTMENT

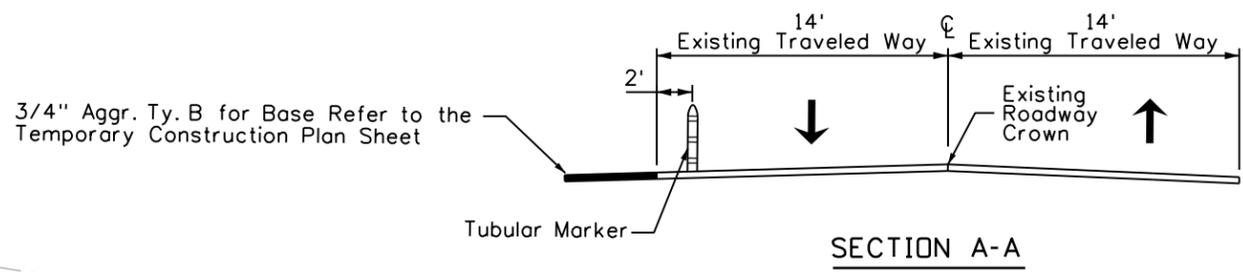
Horrocks.

PROJECT NO. A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET

SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE DETOUR MAP

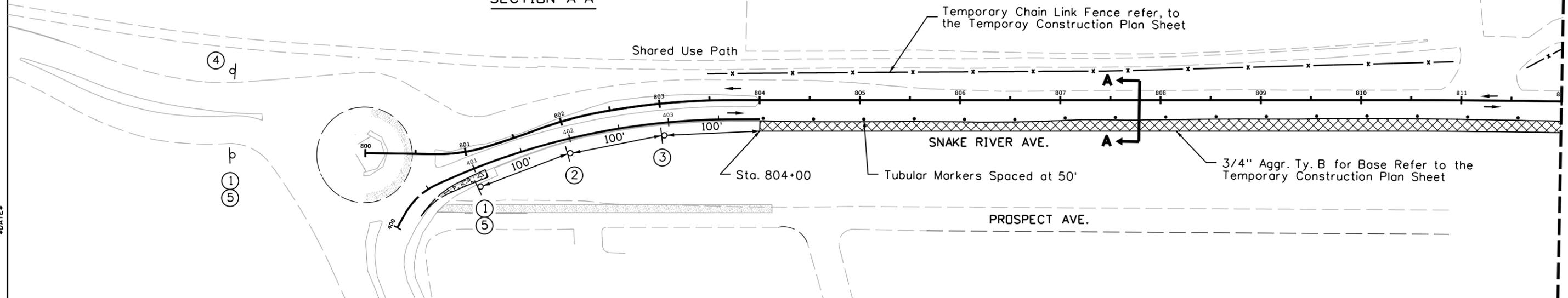
T.35N., R.6W., B.M.



\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

MATCH LINE STA. 812+00.00



TRAFFIC CONTROL SIGNING

- ① ROAD WORK AHEAD W21-4B 48" x 48"
- ② 25 MPH SPEED ZONE AHEAD W3-5TB 48" x 48"
- ③ SPEED LIMIT 25 R2-1A 36" x 48"
- ④ END ROAD WORK G20-3 48" x 24"
- ⑤ Snake River Ave D-3(o) 48" x 12"
(Mount Below "ROAD WORK AHEAD" Sign)

NOTES

1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and to the Boat Ramp at all times.

LEGEND

- 3/4" Aggr Ty B
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	
DETAILED K. ARNZEN	
DRAWING CHECKED D. BARKER	
CADD FILE NAME 13443_tcp_001.dgn	DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.
A013(443)

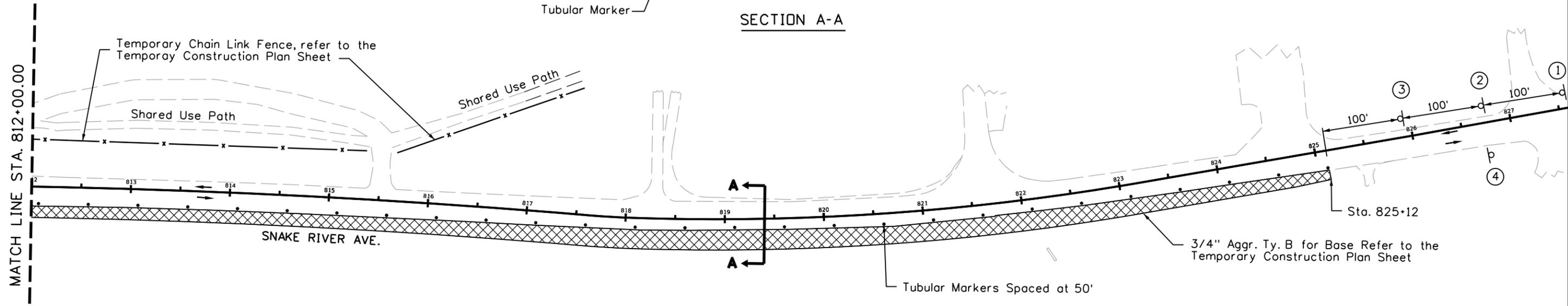
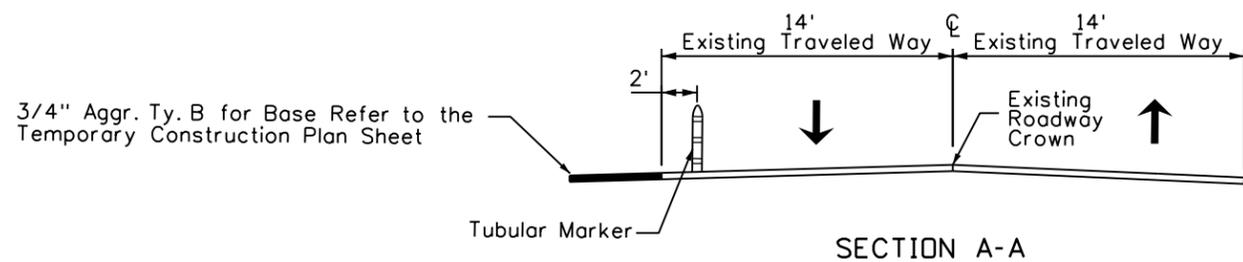
TEMPORARY TRAFFIC CONTROL PLAN SHEET
English
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE
PHASE 1

ORIGINAL STORED AT: ITD, District 3
8150 Chinden Boulevard, Boise, ID

PROFESSIONAL ENGINEER
15686
9/17/2025
STATE OF IDAHO
DEAN G. BARKER

COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 84 OF 103

T.35N., R.6W., B.M.



TRAFFIC CONTROL SIGNING

- ① ROAD WORK AHEAD W21-4B 48" x 48"
- ② 25 MPH SPEED ZONE AHEAD W3-5TB 48" x 48"
- ③ SPEED LIMIT 25 R2-1A 36" x 48"
- ④ END ROAD WORK G20-3 48" x 24"

NOTES

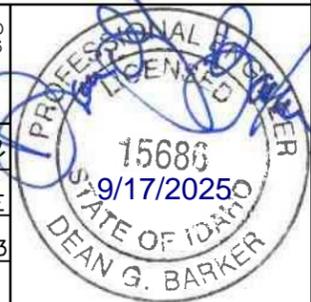
1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and to the Boat Ramp at all times.

LEGEND

- 3/4" Aggr Ty B
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID



REVISIONS				DESIGNED	SCALES SHOWN
NO.	DATE	BY	DESCRIPTION	K. ARNZEN	ARE FOR 11" X 17" PRINTS ONLY
				D. BARKER	
				K. ARNZEN	CADD FILE NAME 13443_tcp_002.dgn
				D. BARKER	DRAWING DATE: September 17, 2025

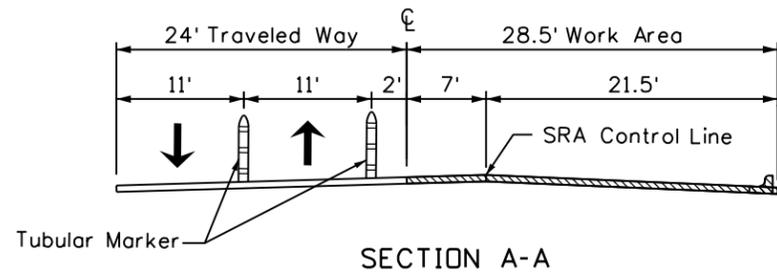
IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.	TEMPORARY TRAFFIC CONTROL PLAN SHEET
A013(443)	English
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE PHASE 1	

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	85 OF 103

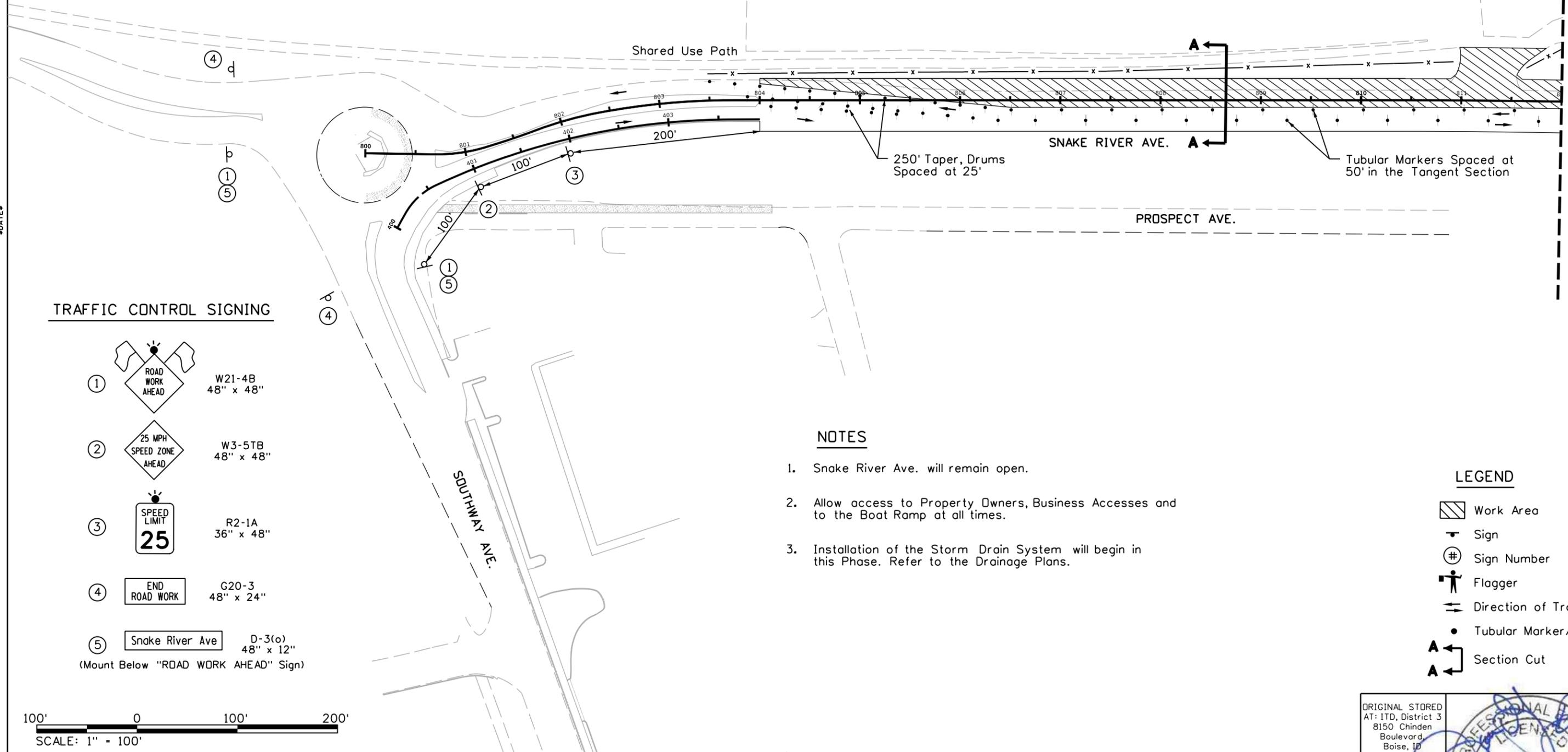
T.35N., R.6W., B.M.



\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

\$\$\$FILE\$\$\$



TRAFFIC CONTROL SIGNING

- ① W21-4B
48" x 48"
- ② W3-5TB
48" x 48"
- ③ R2-1A
36" x 48"
- ④ G20-3
48" x 24"
- ⑤ D-3(o)
48" x 12"
(Mount Below "ROAD WORK AHEAD" Sign)

NOTES

1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and to the Boat Ramp at all times.
3. Installation of the Storm Drain System will begin in this Phase. Refer to the Drainage Plans.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	
DETAILED K. ARNZEN	CADD FILE NAME 13443_tcp_003.dgn
DRAWING CHECKED D. BARKER	DRAWING DATE: September 17, 2025

**IDAHO
TRANSPORTATION
DEPARTMENT**

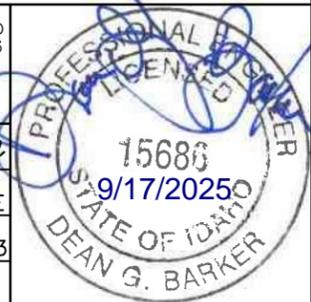
Horrocks.

PROJECT NO. A013(443)

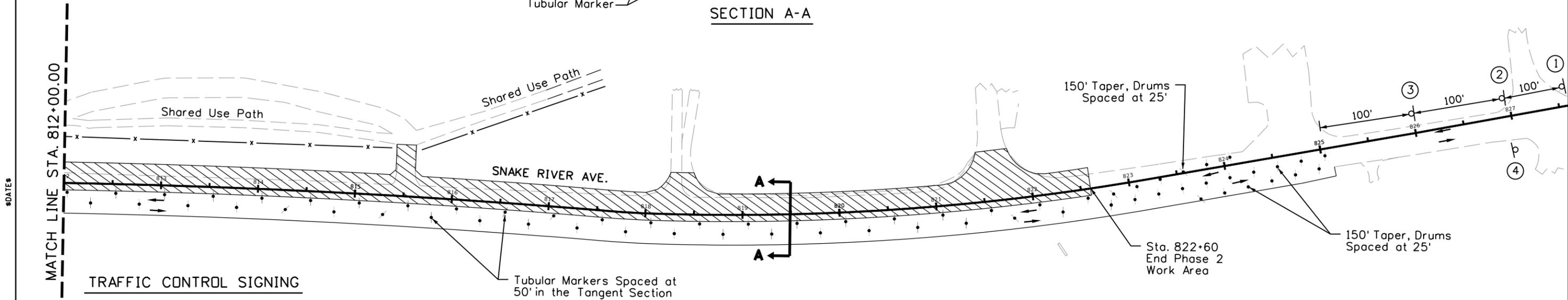
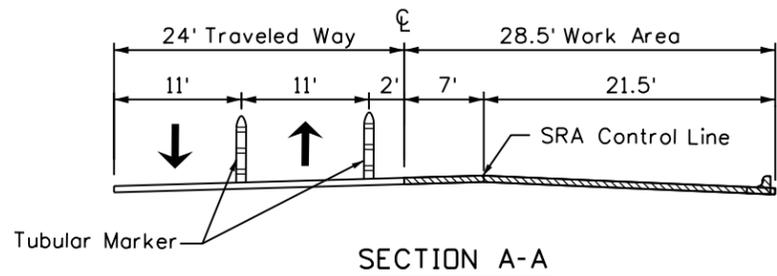
TEMPORARY TRAFFIC CONTROL PLAN SHEET Snake River Ave SOUTHWAY BR TO 11TH AVE PHASE 2
--

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 86 OF 103

ORIGINAL STORED
AT: ITD, District 3
8150 Chinden
Boulevard,
Boise, ID



T.35N., R.6W., B.M.



TRAFFIC CONTROL SIGNING

- ① W21-4B
48" x 48"
- ② W3-5TB
48" x 48"
- ③ R2-1A
36" x 48"
- ④ G20-3
48" x 24"
- ⑤ D-3(o)
48" x 12"
(Mount Below "ROAD WORK AHEAD" Sign)

NOTES

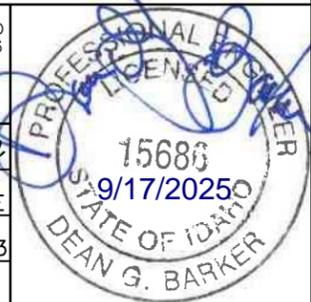
1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and to the Boat Ramp at all times.
3. Installation of the Storm Drain System will begin in this Phase. Refer to the Drainage Plans.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED AT: ITD, District 3
8150 Chinden Boulevard, Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_tcp_004.dgn
 DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

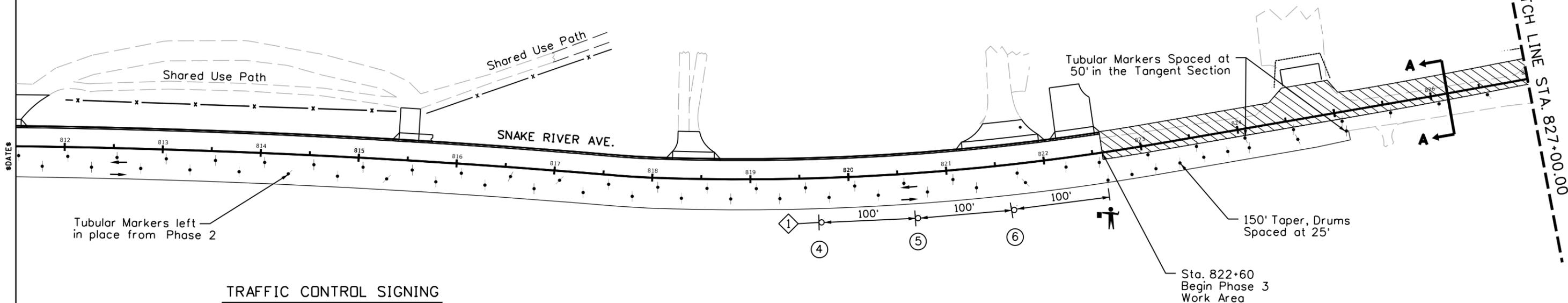
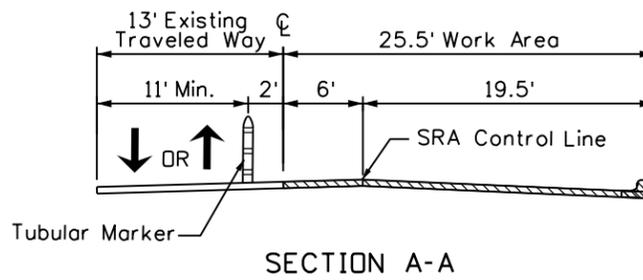
Horrocks.

PROJECT NO. A013(443)

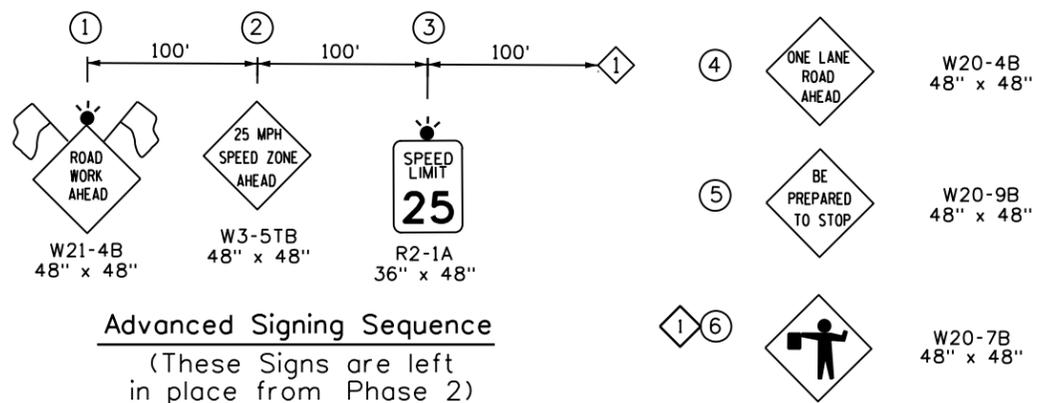
TEMPORARY TRAFFIC CONTROL PLAN SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
 PHASE 2

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 87 OF 103

T.35N., R.6W., B.M.



TRAFFIC CONTROL SIGNING



Advanced Signing Sequence
(These Signs are left in place from Phase 2)

NOTES

- 1. Snake River Ave. will remain open.
- 2. Allow access to Property Owners, Business Accesses and to the Boat Ramp at all times.
- 3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.
- 4. The Contractor may close one or both lanes during the non-peak travel hours, 8 PM through 6 AM.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_tcp_005.dgn
 DRAWING DATE: September 17, 2025

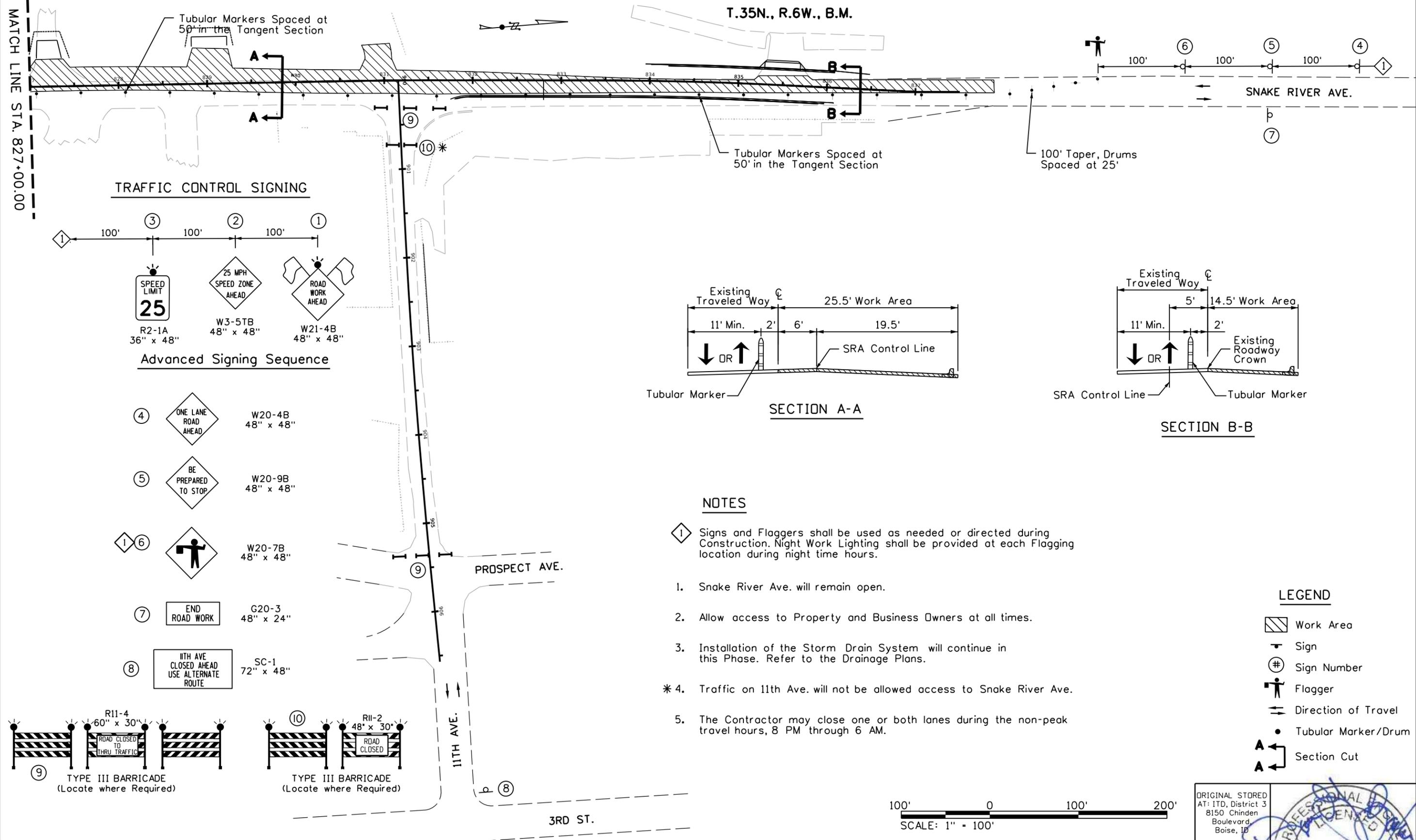


PROJECT NO. A013(443)

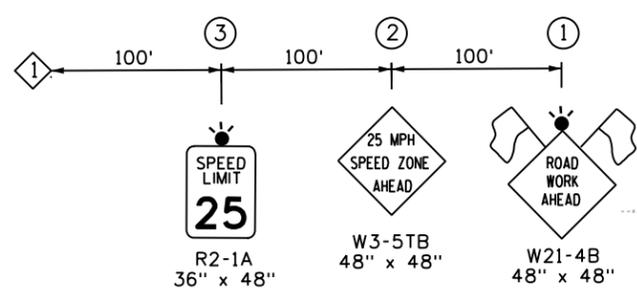
TEMPORARY TRAFFIC CONTROL PLAN SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
 PHASE 3

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 88 OF 103

ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID

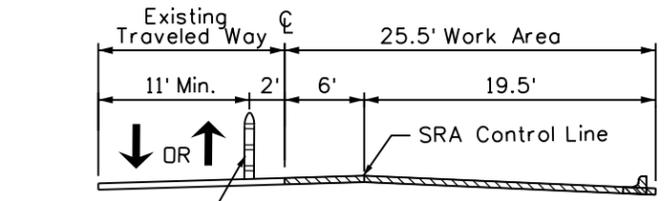
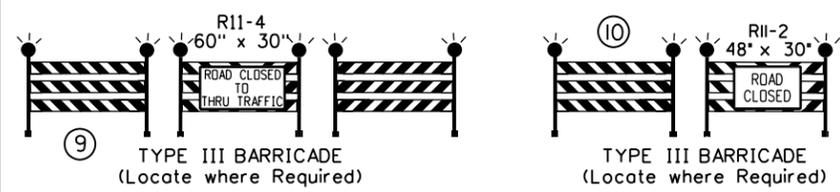


TRAFFIC CONTROL SIGNING

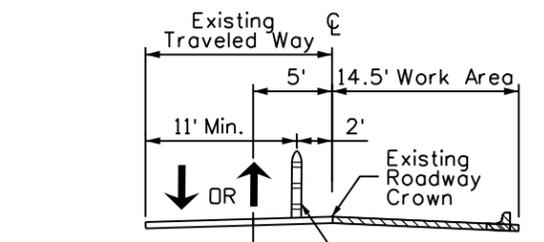


Advanced Signing Sequence

- ④ ONE LANE ROAD AHEAD W20-4B 48" x 48"
- ⑤ BE PREPARED TO STOP W20-9B 48" x 48"
- ①⑥ FLAGGER W20-7B 48" x 48"
- ⑦ END ROAD WORK G20-3 48" x 24"
- ⑧ 11TH AVE CLOSED AHEAD USE ALTERNATE ROUTE SC-1 72" x 48"



SECTION A-A



SECTION B-B

NOTES

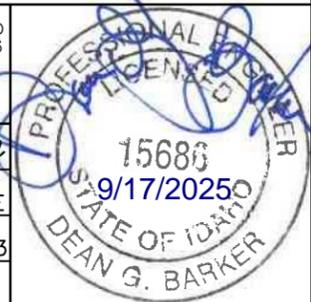
- ① Signs and Flaggers shall be used as needed or directed during Construction. Night Work Lighting shall be provided at each Flagging location during night time hours.
- 1. Snake River Ave. will remain open.
- 2. Allow access to Property and Business Owners at all times.
- 3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.
- * 4. Traffic on 11th Ave. will not be allowed access to Snake River Ave.
- 5. The Contractor may close one or both lanes during the non-peak travel hours, 8 PM through 6 AM.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_tcp_006.dgn
DRAWING CHECKED	D. BARKER	DRAWING DATE: September 17, 2025

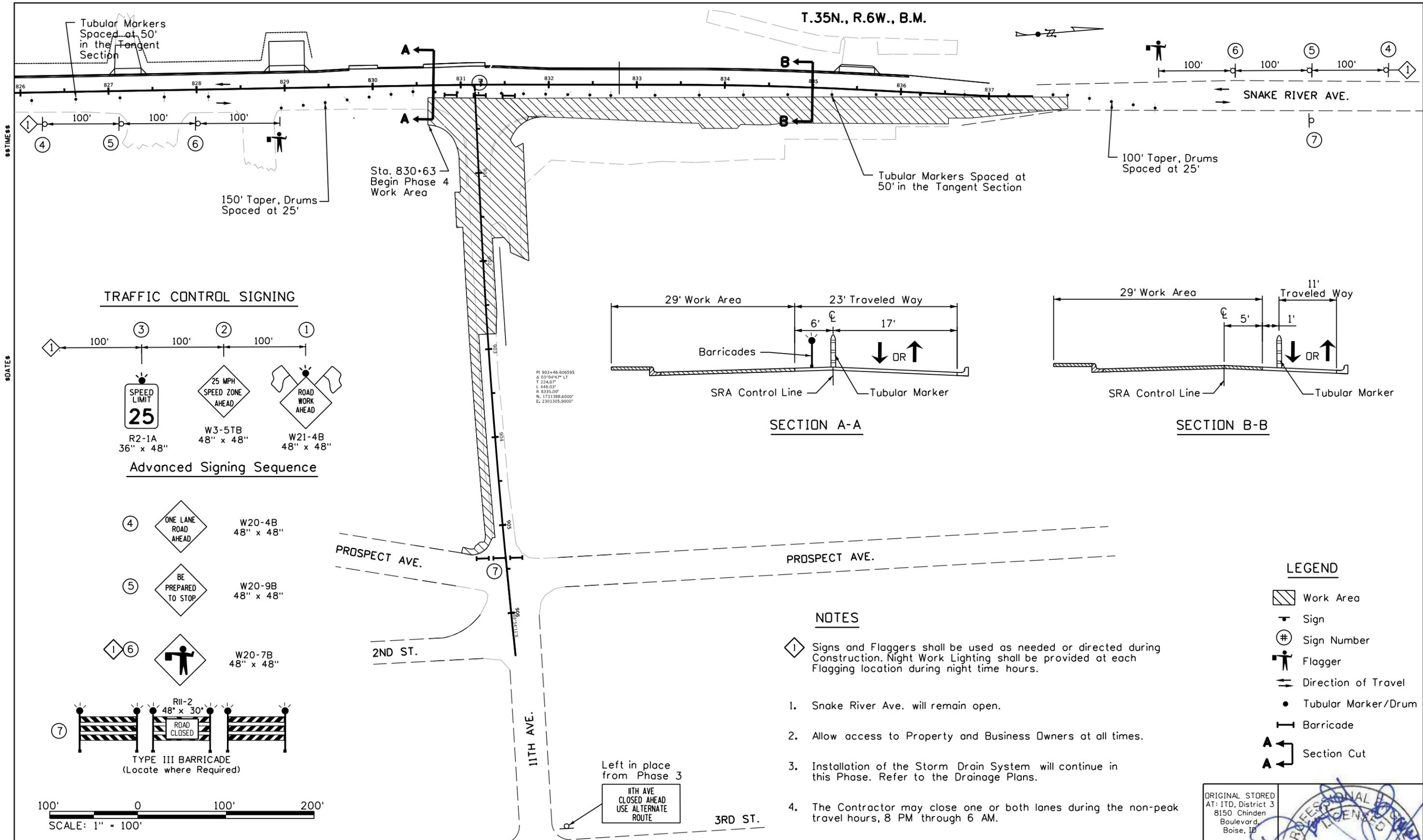
IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

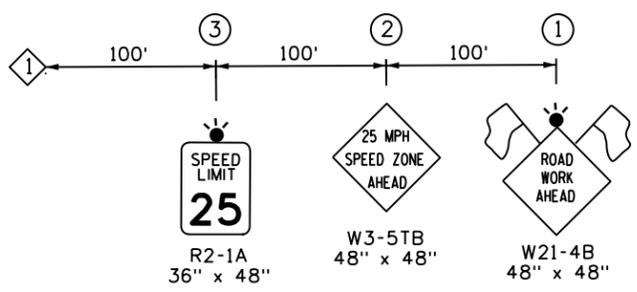
PROJECT NO. A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
 PHASE 3

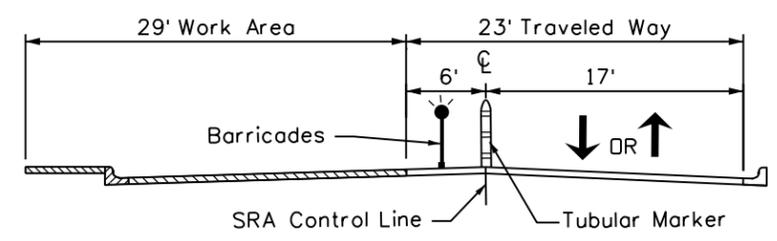
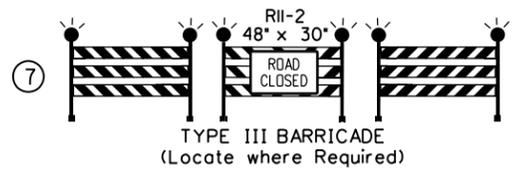
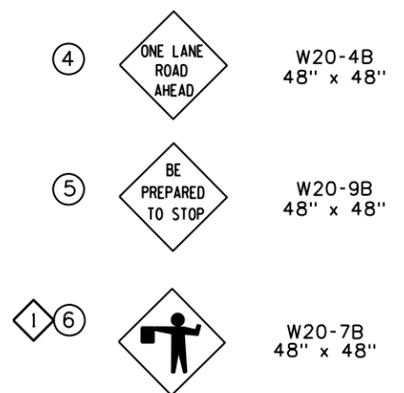
English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 89 OF 103



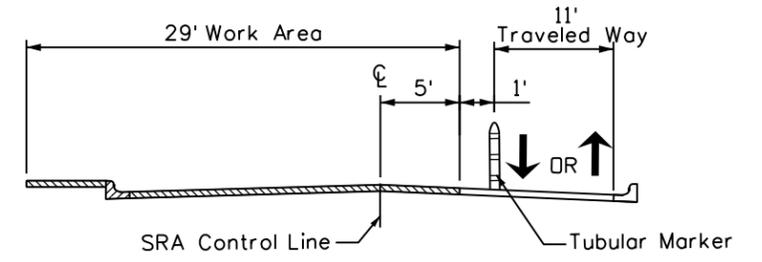
TRAFFIC CONTROL SIGNING



Advanced Signing Sequence



SECTION A-A



SECTION B-B

NOTES

- 1. Snake River Ave. will remain open.
- 2. Allow access to Property and Business Owners at all times.
- 3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.
- 4. The Contractor may close one or both lanes during the non-peak travel hours, 8 PM through 6 AM.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Barricade
- Section Cut

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED K. ARNZEN
 DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_tcp_007.dgn
 DRAWING DATE: September 17, 2025



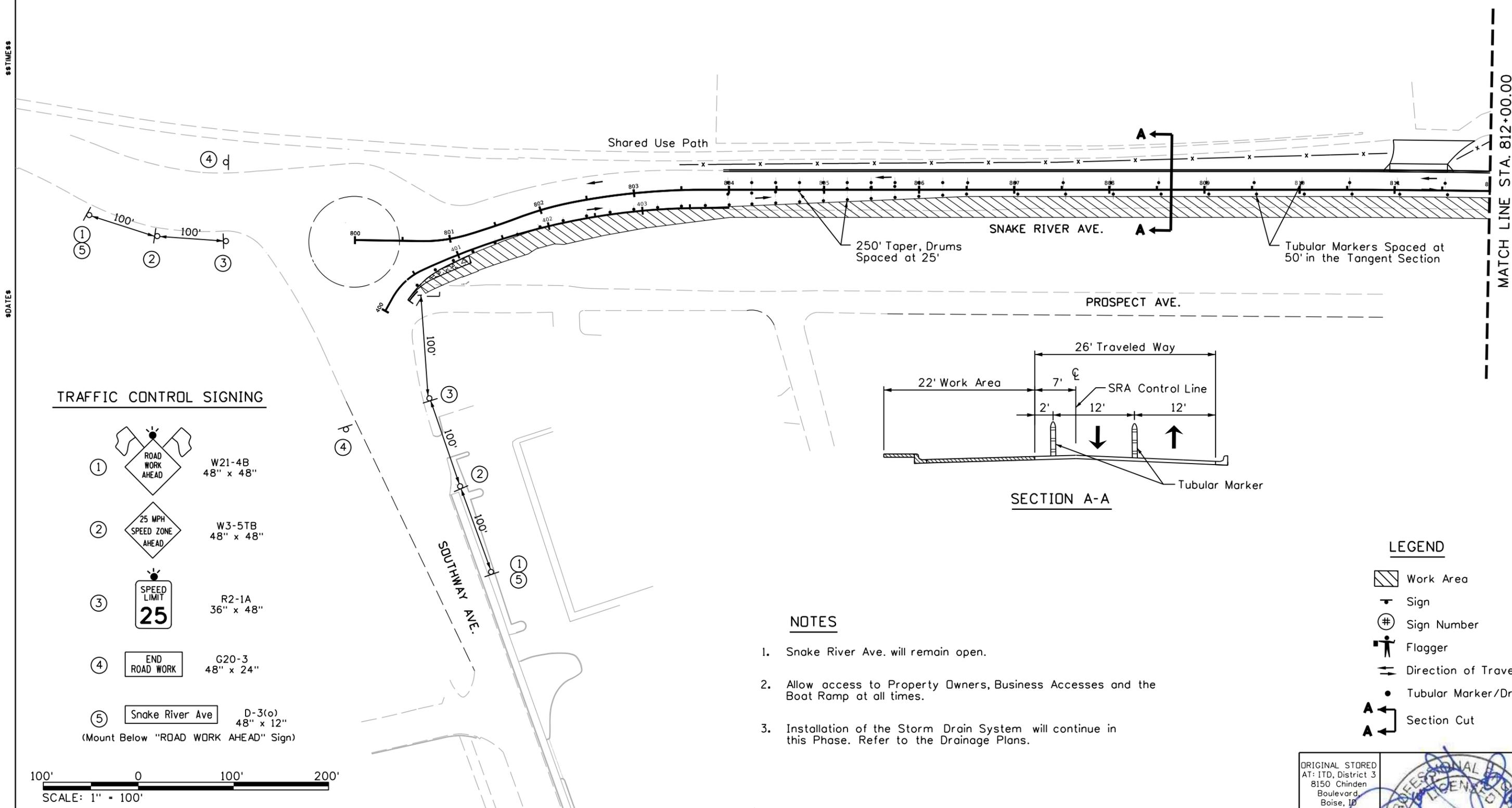
PROJECT NO. A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET
Snake River Ave
SOUTHWAY BR TO 11TH AVE
 PHASE 4

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 90 OF 103

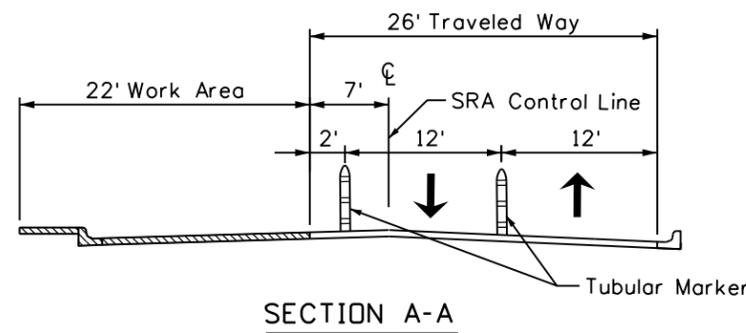


T.35N., R.6W., B.M.



TRAFFIC CONTROL SIGNING

- ① ROAD WORK AHEAD W21-4B 48" x 48"
- ② 25 MPH SPEED ZONE AHEAD W3-5TB 48" x 48"
- ③ SPEED LIMIT 25 R2-1A 36" x 48"
- ④ END ROAD WORK G20-3 48" x 24"
- ⑤ Snake River Ave D-3(o) 48" x 12"
(Mount Below "ROAD WORK AHEAD" Sign)



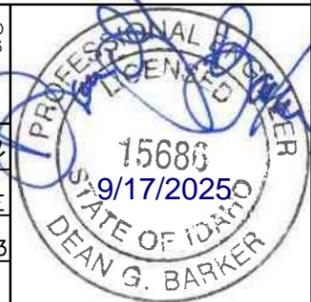
NOTES

1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and the Boat Ramp at all times.
3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut

ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	
DETAILED K. ARNZEN	CADD FILE NAME 13443_tcp_008.dgn
DRAWING CHECKED D. BARKER	DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

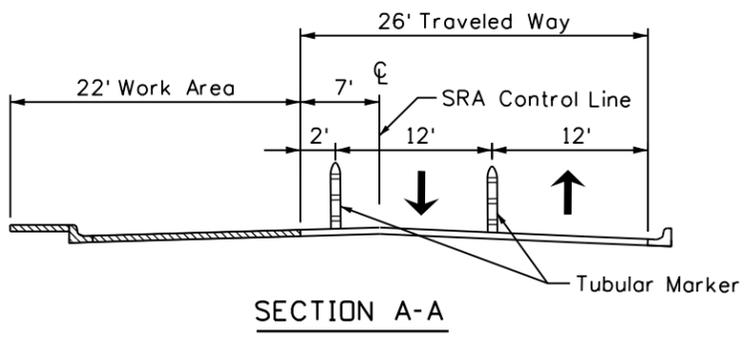
Horrocks.

PROJECT NO.
A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET
**Snake River Ave
SOUTHWAY BR TO 11TH AVE
PHASE 5**

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 91 OF 103

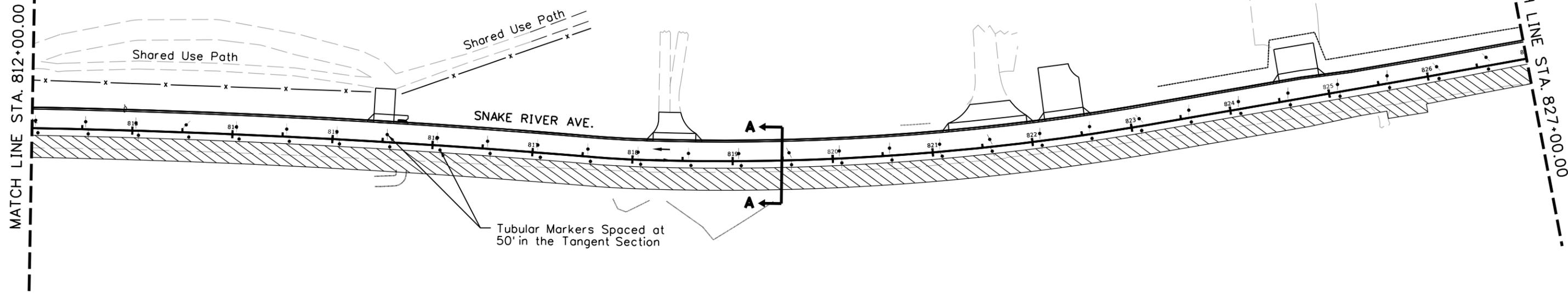
T.35N., R.6W., B.M.



\$DATE\$
 \$TIME\$
 \$FILES\$

MATCH LINE STA. 812+00.00

MATCH LINE STA. 827+00.00



NOTES

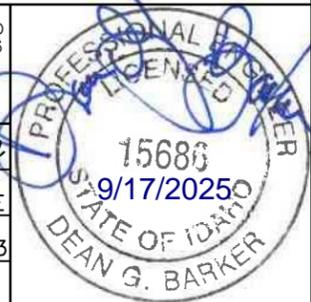
1. Snake River Ave. will remain open.
2. Allow access to Property Owners, Business Accesses and the Boat Ramp at all times.
3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED
 AT: ITD, District 3
 8150 Chinden
 Boulevard,
 Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
K. ARNZEN
 DESIGN CHECKED
D. BARKER
 DETAILED
K. ARNZEN
 DRAWING CHECKED
D. BARKER

SCALES SHOWN
 ARE FOR 11" X 17"
 PRINTS ONLY
 CADD FILE NAME
 13443_tcp_009.dgn
 DRAWING DATE:
 September 17, 2025

**IDAHO
 TRANSPORTATION
 DEPARTMENT**

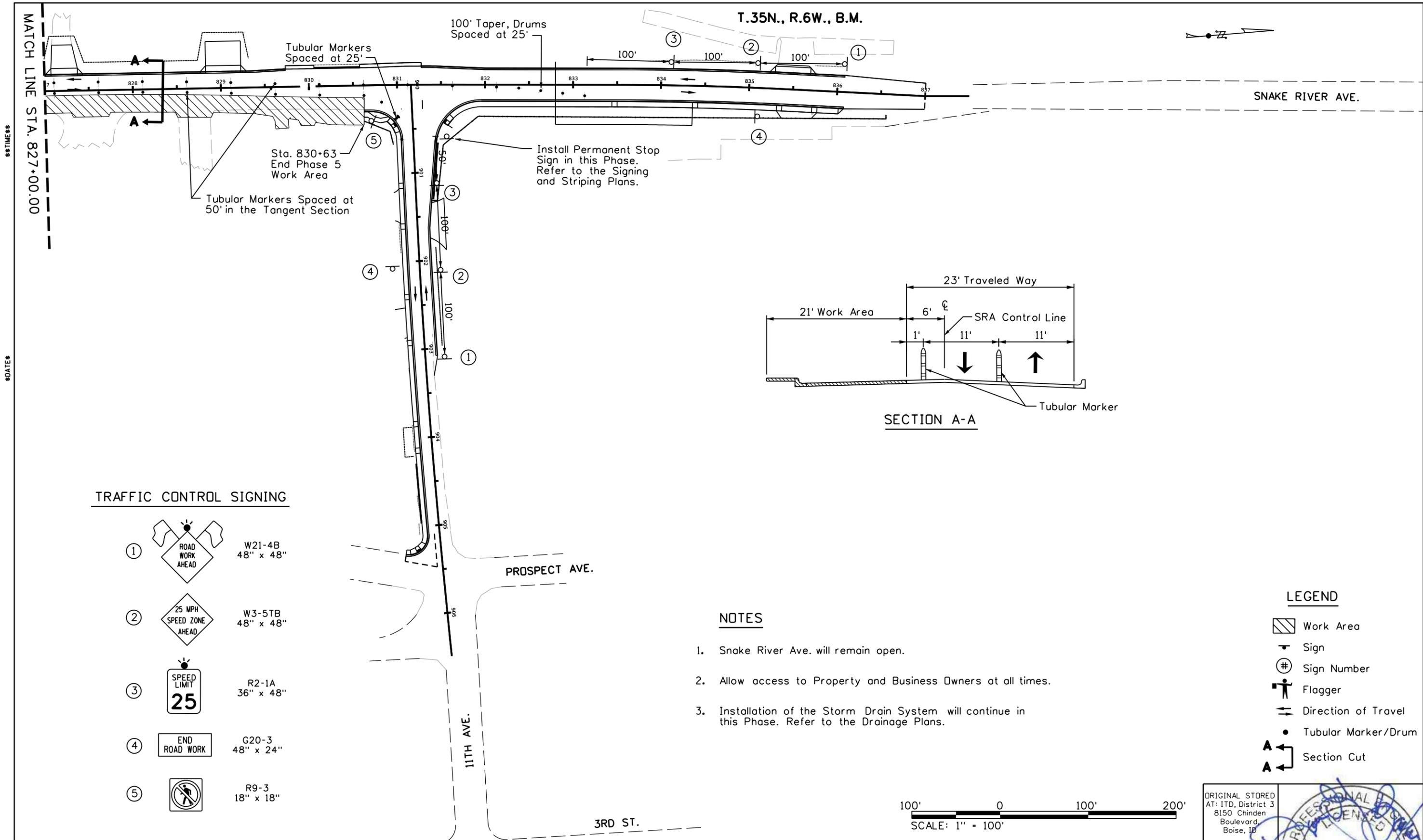
Horrocks.

PROJECT NO.

 A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET
English
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE
 PHASE 5

COUNTY
NEZ PERCE
 KEY NUMBER
13443
 SHEET 92 OF 103



TRAFFIC CONTROL SIGNING

- ① W21-4B
48" x 48"
- ② W3-5TB
48" x 48"
- ③ R2-1A
36" x 48"
- ④ G20-3
48" x 24"
- ⑤ R9-3
18" x 18"

NOTES

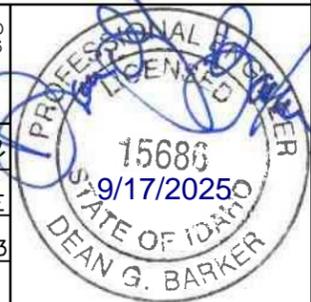
1. Snake River Ave. will remain open.
2. Allow access to Property and Business Owners at all times.
3. Installation of the Storm Drain System will continue in this Phase. Refer to the Drainage Plans.

LEGEND

- Work Area
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED
AT: ITD, District 3
8150 Chinden
Boulevard,
Boise, ID



REVISIONS				DESIGNED	SCALES SHOWN
NO.	DATE	BY	DESCRIPTION	K. ARNZEN	ARE FOR 11" X 17"
				D. BARKER	PRINTS ONLY
				K. ARNZEN	CADD FILE NAME
				D. BARKER	13443_tcp_010.dgn
					DRAWING DATE:
					September 17, 2025

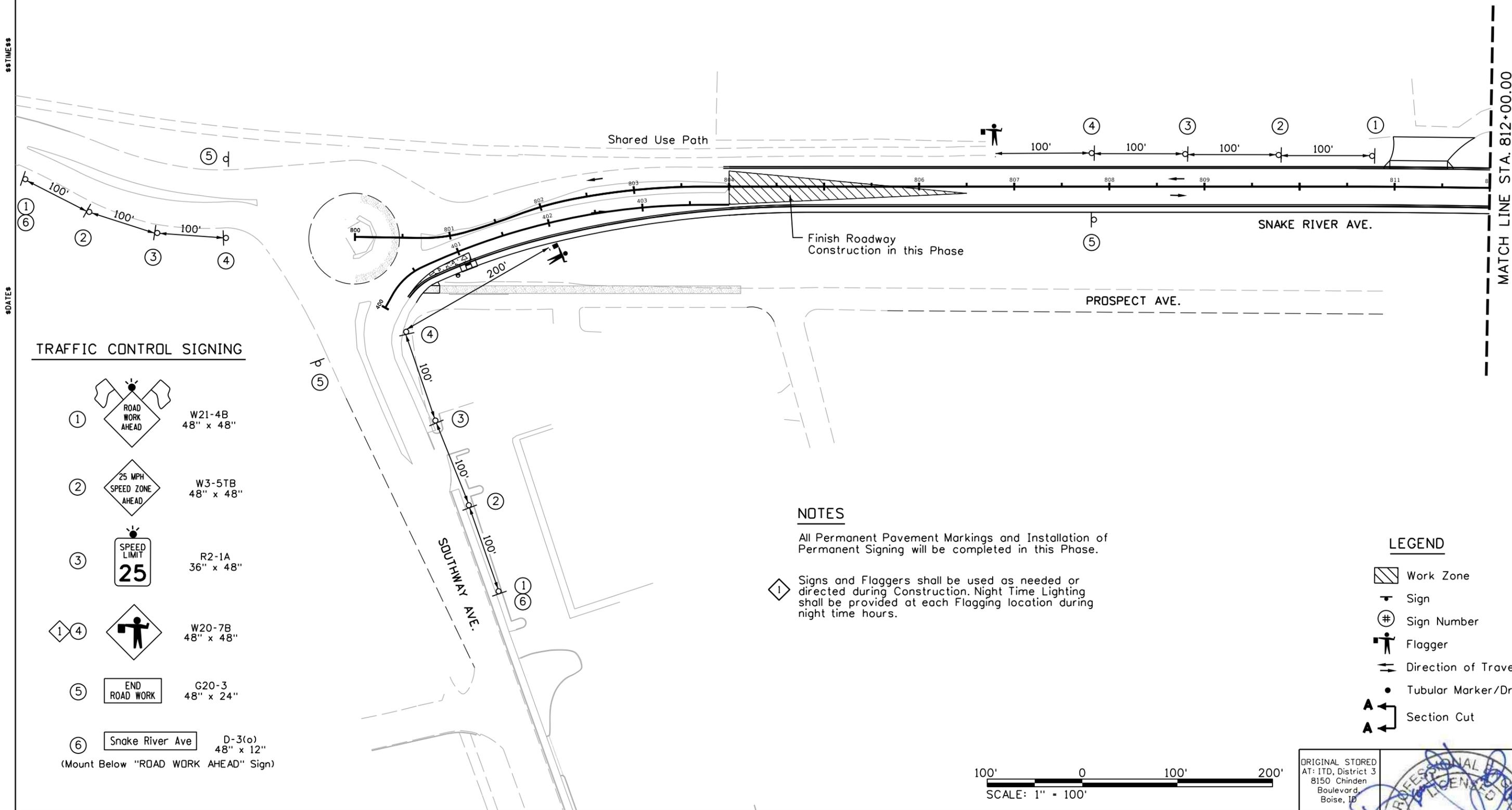
**IDAHO
TRANSPORTATION
DEPARTMENT**

Horrocks.

PROJECT NO.	TEMPORARY TRAFFIC CONTROL PLAN SHEET
A013(443)	English
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE PHASE 5	

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	93 OF 103

T.35N., R.6W., B.M.



TRAFFIC CONTROL SIGNING

- ① ROAD WORK AHEAD W21-4B 48" x 48"
- ② 25 MPH SPEED ZONE AHEAD W3-5TB 48" x 48"
- ③ SPEED LIMIT 25 R2-1A 36" x 48"
- ④ W20-7B 48" x 48"
- ⑤ END ROAD WORK G20-3 48" x 24"
- ⑥ Snake River Ave D-3(o) 48" x 12"
(Mount Below "ROAD WORK AHEAD" Sign)

NOTES

All Permanent Pavement Markings and Installation of Permanent Signing will be completed in this Phase.

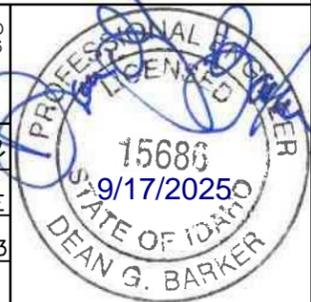
Signs and Flaggers shall be used as needed or directed during Construction. Night Time Lighting shall be provided at each Flagging location during night time hours.

LEGEND

- Work Zone
- Sign
- Sign Number
- Flagger
- Direction of Travel
- Tubular Marker/Drum
- Section Cut



ORIGINAL STORED AT: ITD, District 3 8150 Chinden Boulevard, Boise, ID



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	
DETAILED	K. ARNZEN	CADD FILE NAME 13443_tcp_011.dgn
DRAWING CHECKED	D. BARKER	DRAWING DATE: September 17, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

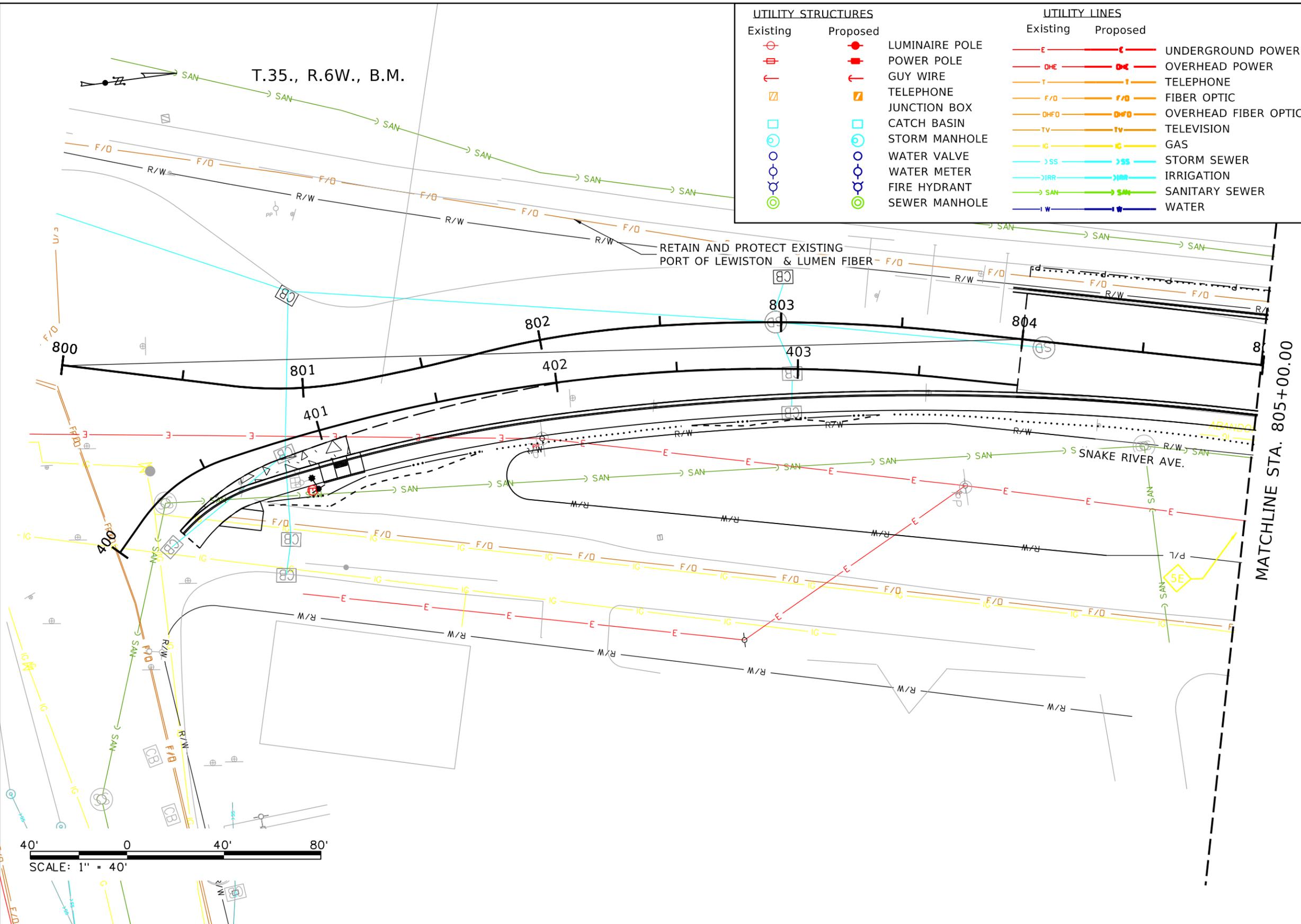
PROJECT NO. A013(443)

TEMPORARY TRAFFIC CONTROL PLAN SHEET

**Snake River Ave
SOUTHWAY BR TO 11TH AVE
PHASE 6**

English

COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 94 OF 103



UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

- NOTES:
- CONTRACTOR MUST EXPOSE EXISTING UTILITY CROSSINGS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES 2 WEEKS PRIOR TO CONSTRUCTION. CALL "DIG LINE INC." AT 811 AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
 - CONTRACTOR MUST COORDINATE WITH ALL UTILITY OWNERS IN THE PROJECT VICINITY FOR SCHEDULING AND PROVIDING ACCESS FOR RELOCATION WORK TO BE PERFORMED BY OTHERS.
 - RETAIN AND PROTECT ALL UTILITIES UNLESS OTHERWISE SPECIFIED.
 - EXISTING WATER VALVES AND SEWER LIDS WILL BE RAISED TO GRADE BY CONTRACTOR.

LEGEND

	SPARKLIGHT
	LUMEN
	PORT OF LEWISTON
	AVISTA
	EXISTING NATURAL GAS
	EXISTING WATER

- ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
- A CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
- B REMOVE AND RELOCATE BY COMPANY AT COMPANY EXPENSE
- C ADJUST DEPTH BY CONTRACTOR AT PROJECT EXPENSE
- D REMOVE BY COMPANY AT COMPANY EXPENSE
- E ABANDON EXISTING FACILITY IN PLACE

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

UTILITY SHEETS

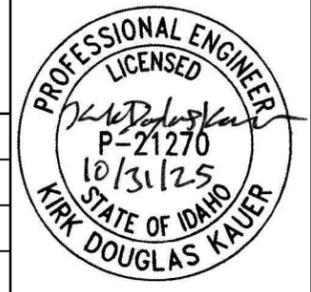
Snake River Ave Southway Br to 11th Ave

ENGLISH

COUNTY: NEZ PERCE

KEY NUMBER: 13443

SHEET 95 OF 103

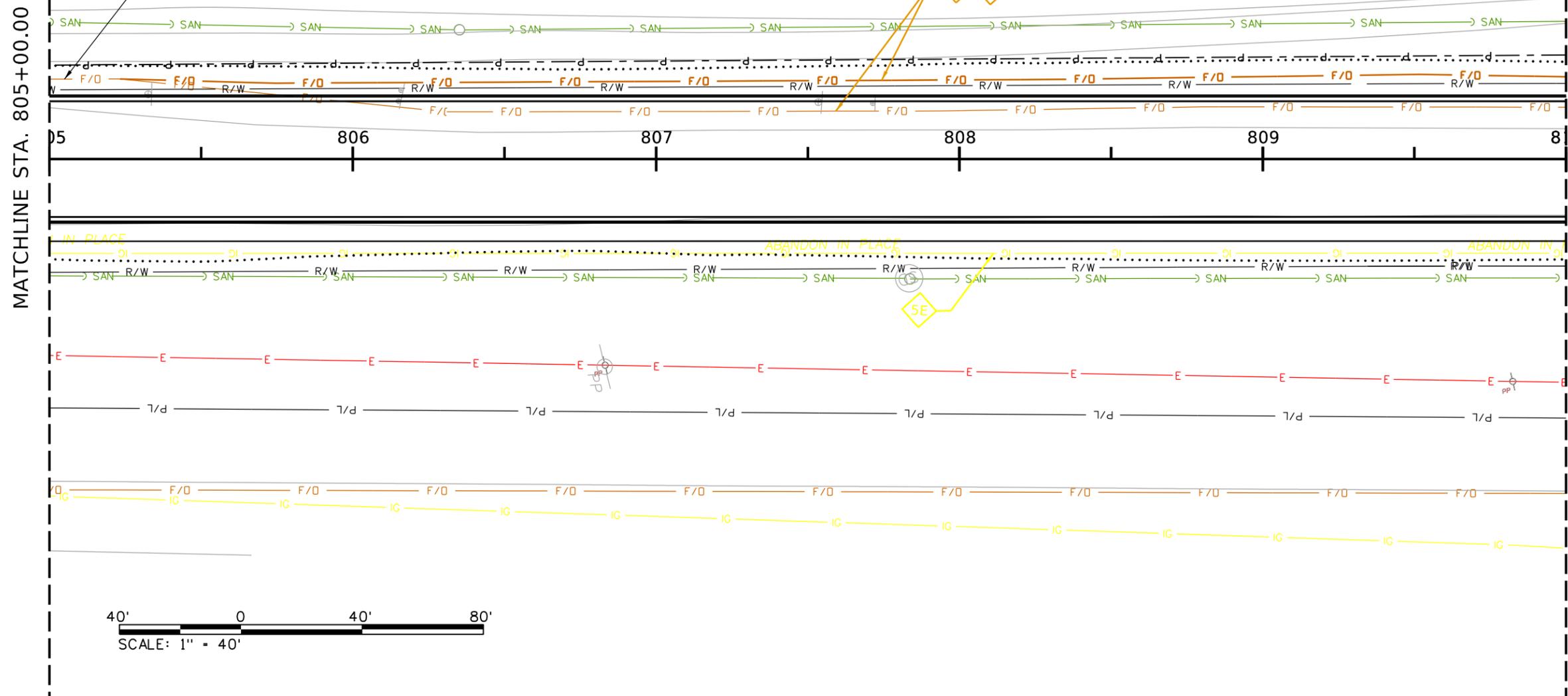


UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

- NOTES:
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 - EXISTING WATER VALVES AND SEWER LIDS WILL BE RAISED TO GRADE BY CONTRACTOR.



T.35., R.6W., B.M.



LEGEND

	SPARKLIGHT
	LUMEN
	PORT OF LEWISTON
	AVISTA
	EXISTING NATURAL GAS
	EXISTING WATER

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

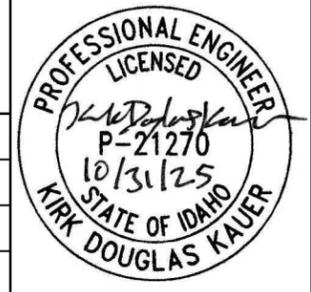
IDAHO TRANSPORTATION DEPARTMENT

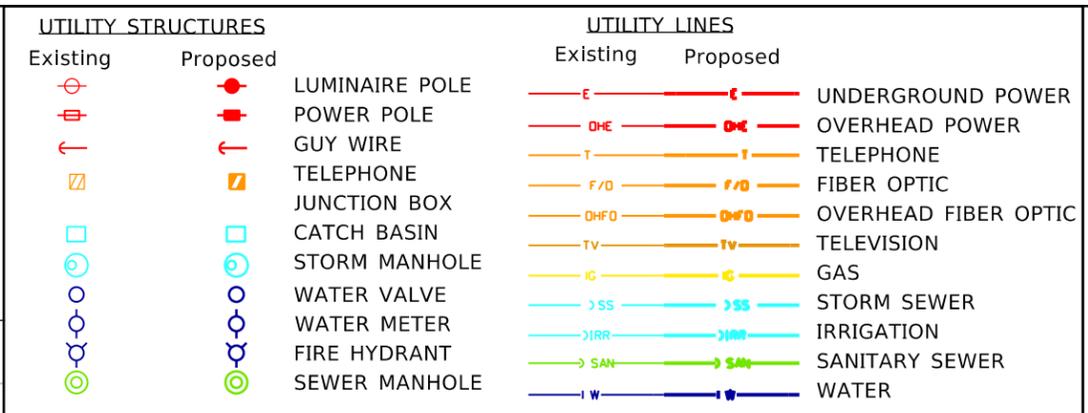
Horrocks.

PROJECT NO.	A013(443)
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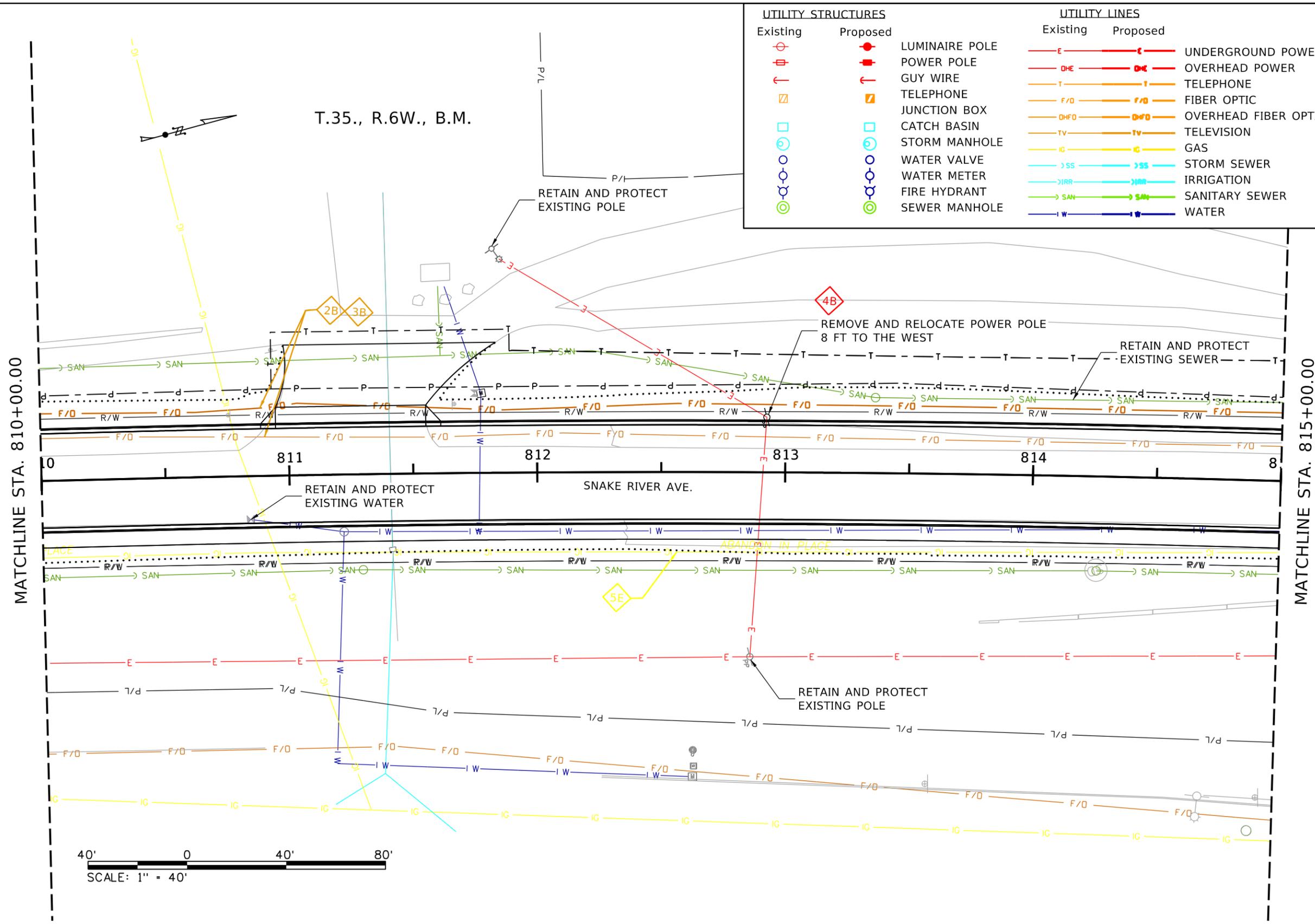
UTILITY SHEETS	ENGLISH

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	96 OF 103





- NOTES:
1. CONTRACTOR MUST EXPOSE EXISTING UTILITY CROSSINGS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES 2 WEEKS PRIOR TO CONSTRUCTION. CALL "DIG LINE INC." AT 811 AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
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- ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
- A ADJUST DEPTH BY CONTRACTOR AT PROJECT EXPENSE
 - B REMOVE AND RELOCATE BY COMPANY AT COMPANY EXPENSE
 - C REMOVE BY COMPANY AT COMPANY EXPENSE
 - E ABANDON EXISTING FACILITY IN PLACE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

UTILITY SHEETS

SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

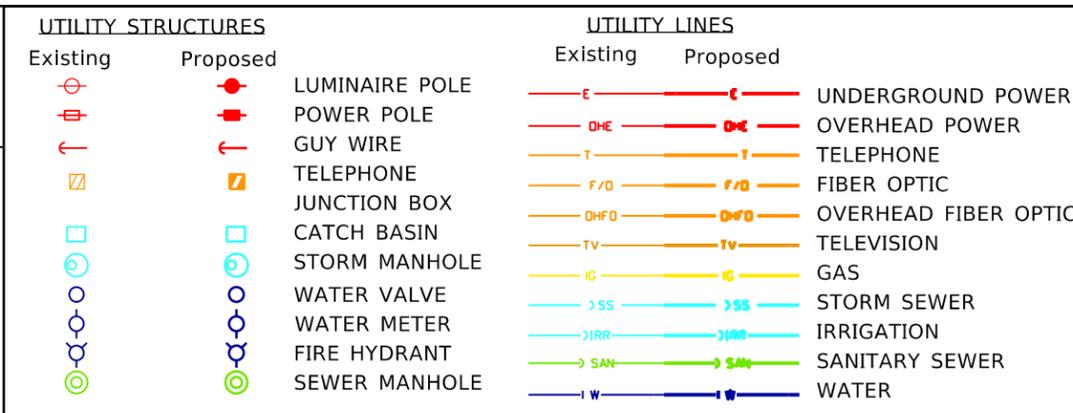
ENGLISH

COUNTY NEZ PERCE

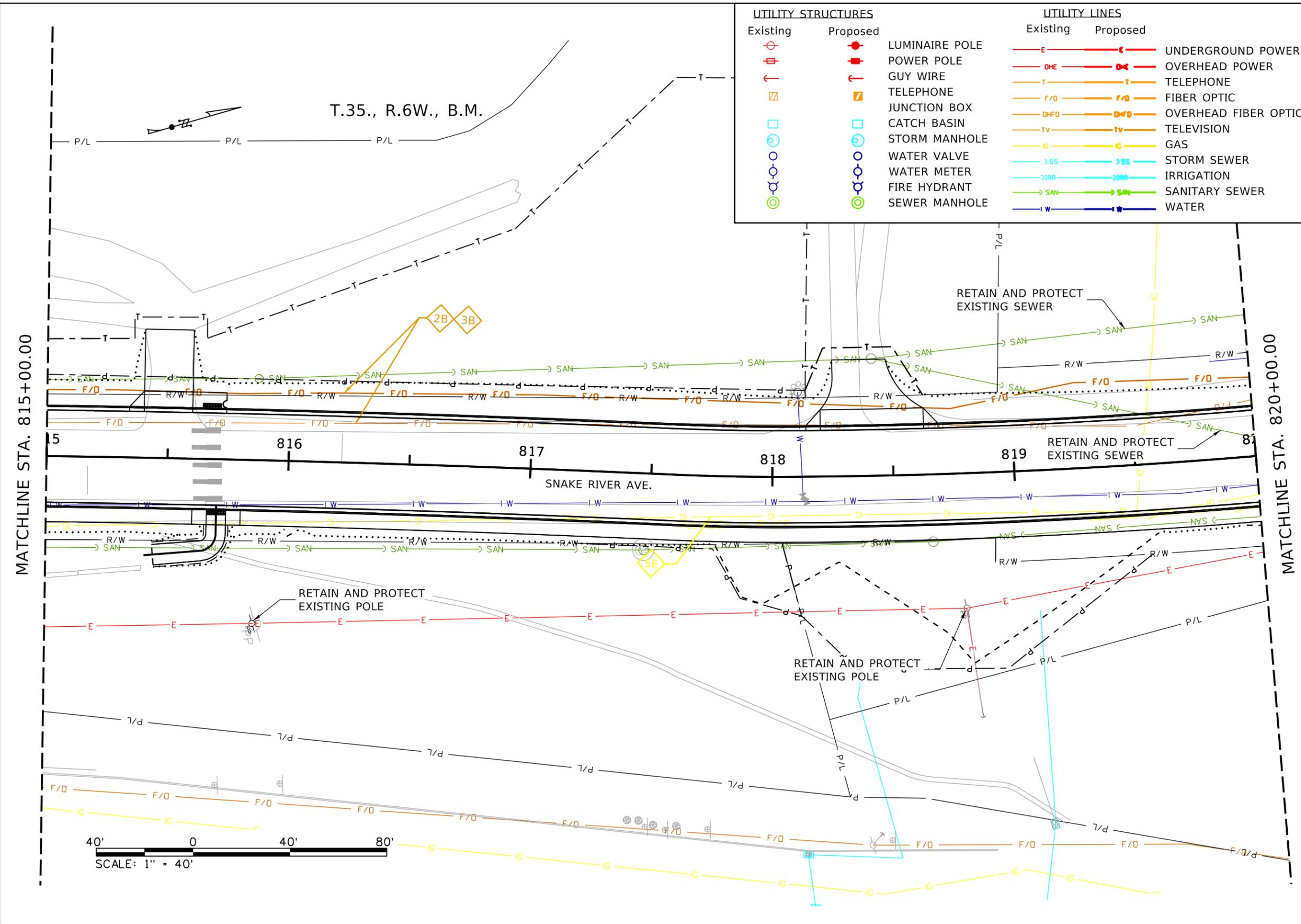
KEY NUMBER 13443

SHEET 97 OF 103





- NOTES:**
1. CONTRACTOR MUST EXPOSE EXISTING UTILITY CROSSINGS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES 2 WEEKS PRIOR TO CONSTRUCTION. CALL "DIG LINE INC." AT 811 AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	B. SCHELLENBERG	
DETAILED	K. KAUER	CADD FILE NAME
DRAWING CHECKED	B. SCHELLENBERG	DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

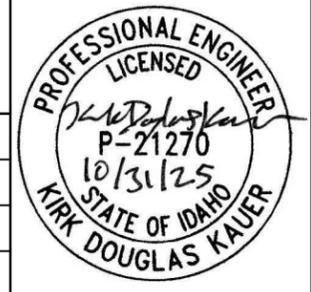
Safety → YOUR Mobility → YOUR Economic Opportunity

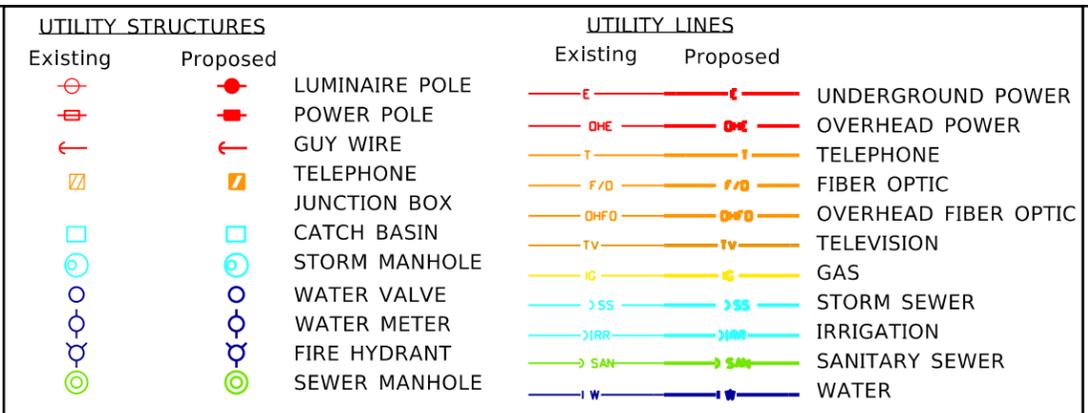
Horrocks.

PROJECT NO. A013(443)

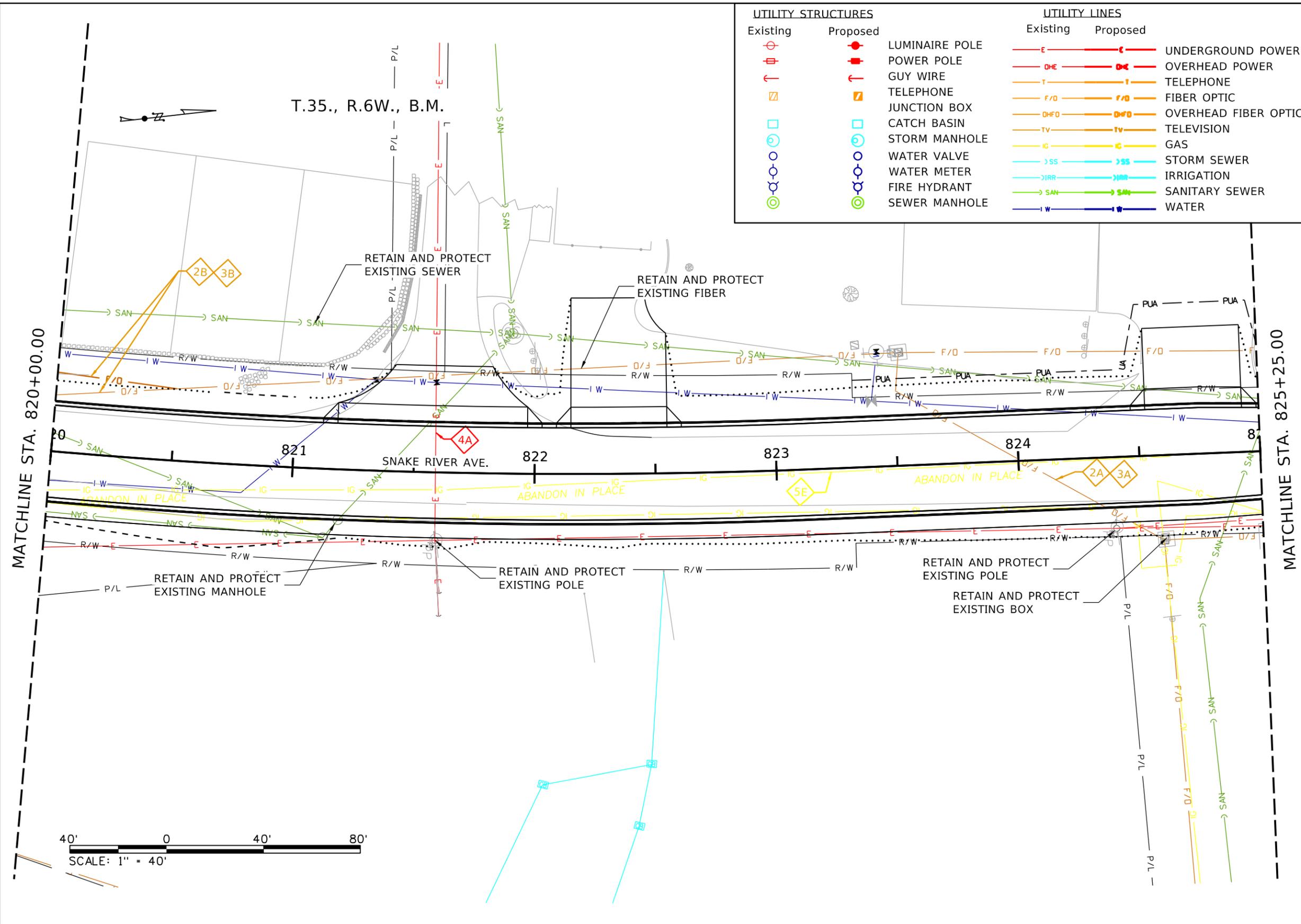
UTILITY SHEETS
**SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE**

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 98 OF 103





- NOTES:**
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REVISIONS			
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DESIGNED	K. KAUER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	B. SCHELLENBERG	
DETAILED	K. KAUER	CADD FILE NAME
DRAWING CHECKED	B. SCHELLENBERG	DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Safety - YOUR Mobility - YOUR Economic Opportunity

Horrocks.

PROJECT NO. A013(443)

UTILITY SHEETS
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

ENGLISH
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 99 OF 103

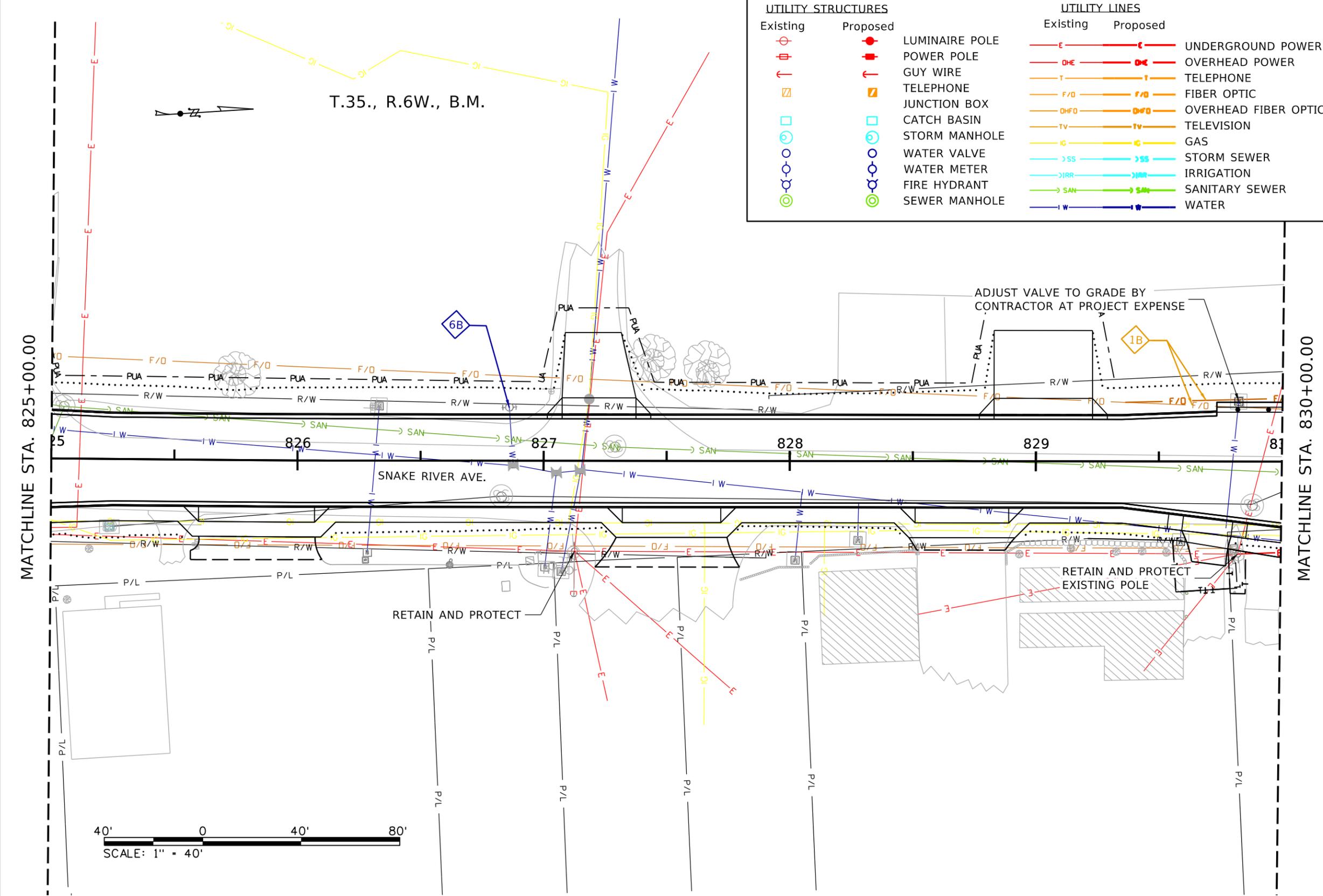


UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

- NOTES:
- CONTRACTOR MUST EXPOSE EXISTING UTILITY CROSSINGS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES 2 WEEKS PRIOR TO CONSTRUCTION. CALL "DIG LINE INC." AT 811 AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
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- LEGEND
- SPARKLIGHT
 - LUMEN
 - PORT OF LEWISTON
 - AVISTA
 - EXISTING NATURAL GAS
 - EXISTING WATER

- A ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: A013(443) UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

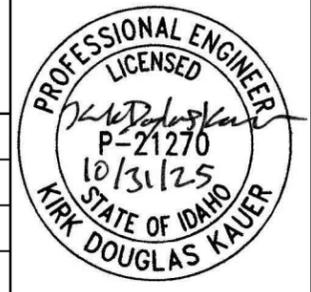
IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.	A013(443)
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UTILITY SHEETS	ENGLISH

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	100 OF 103

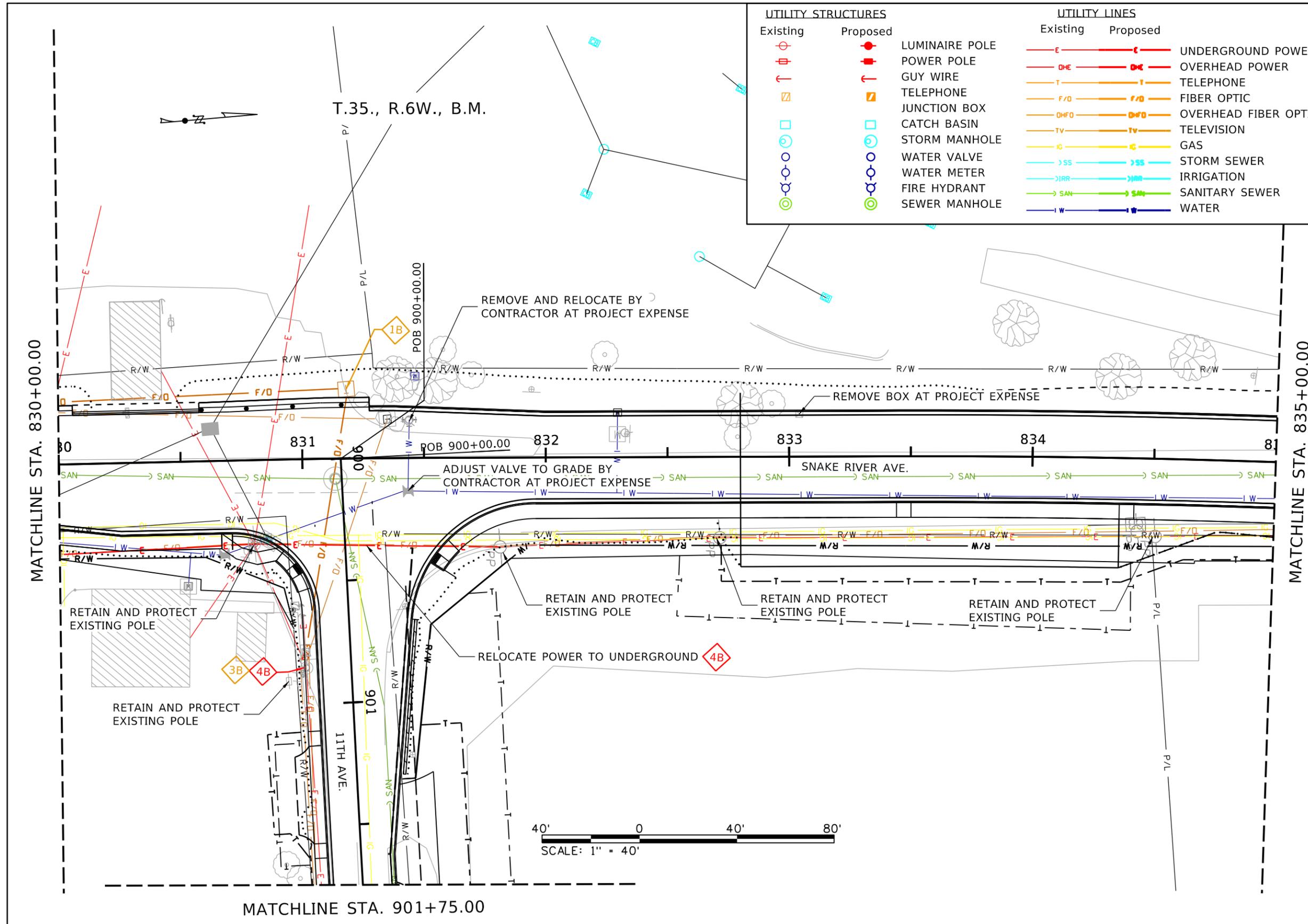


UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

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- LEGEND
- SPARKLIGHT
 - LUMEN
 - PORT OF LEWISTON
 - AVISTA
 - EXISTING NATURAL GAS
 - EXISTING WATER

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- B REMOVE AND RELOCATE BY COMPANY AT COMPANY EXPENSE
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.	A013(443)
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UTILITY SHEETS	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE
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ENGLISH	KEY NUMBER 13443
SHEET	101 OF 103

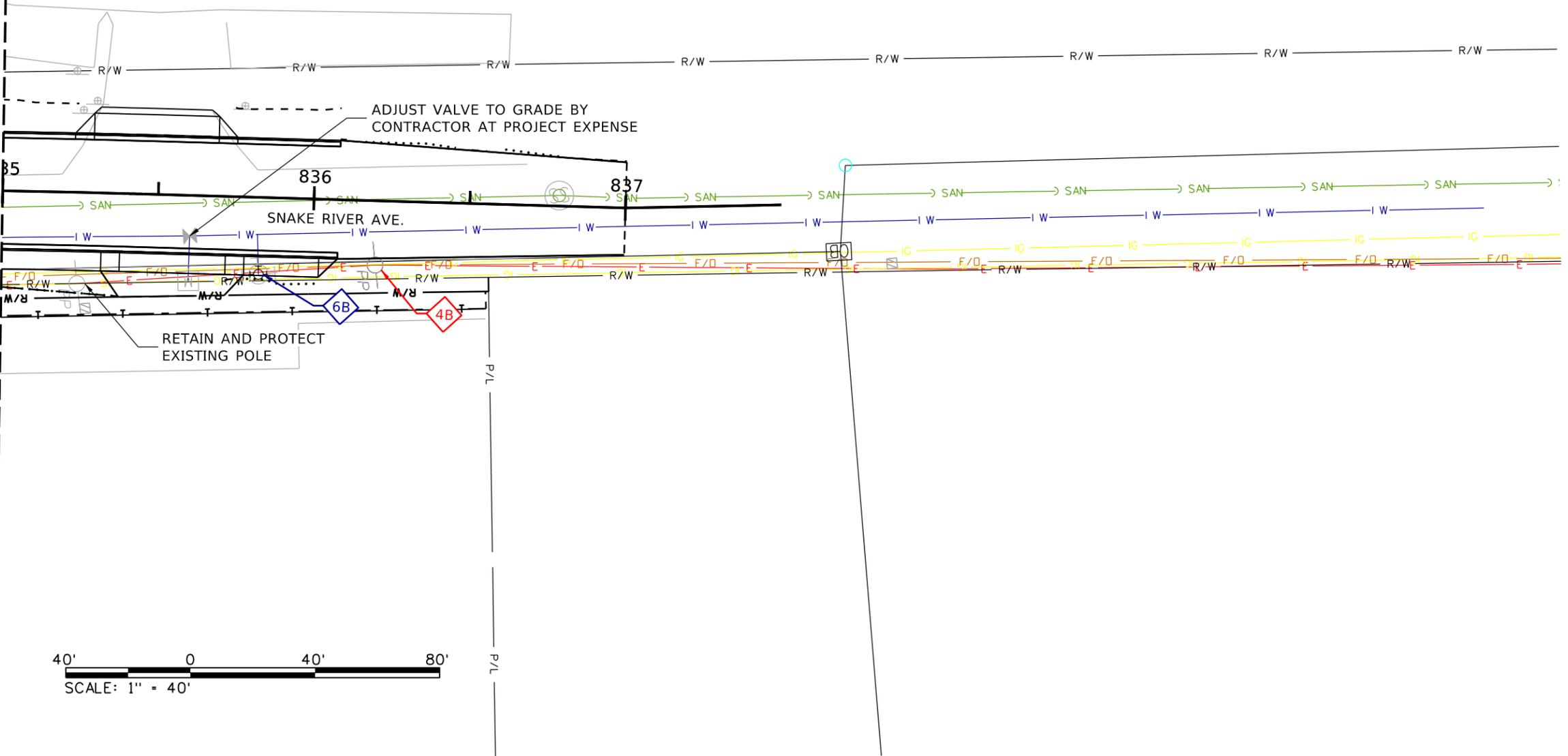


UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

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T.35., R.6W., B.M.

MATCHLINE STA. 835+00.00



- LEGEND
- SPARKLIGHT
 - LUMEN
 - PORT OF LEWISTON
 - AVISTA
 - EXISTING NATURAL GAS
 - EXISTING WATER

- ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
- A ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
 - B REMOVE AND RELOCATE BY COMPANY AT COMPANY EXPENSE
 - C ADJUST DEPTH BY CONTRACTOR AT PROJECT EXPENSE
 - D REMOVE BY COMPANY AT COMPANY EXPENSE
 - E ABANDON EXISTING FACILITY IN PLACE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

UTILITY SHEETS
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

ENGLISH
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 102 OF 103

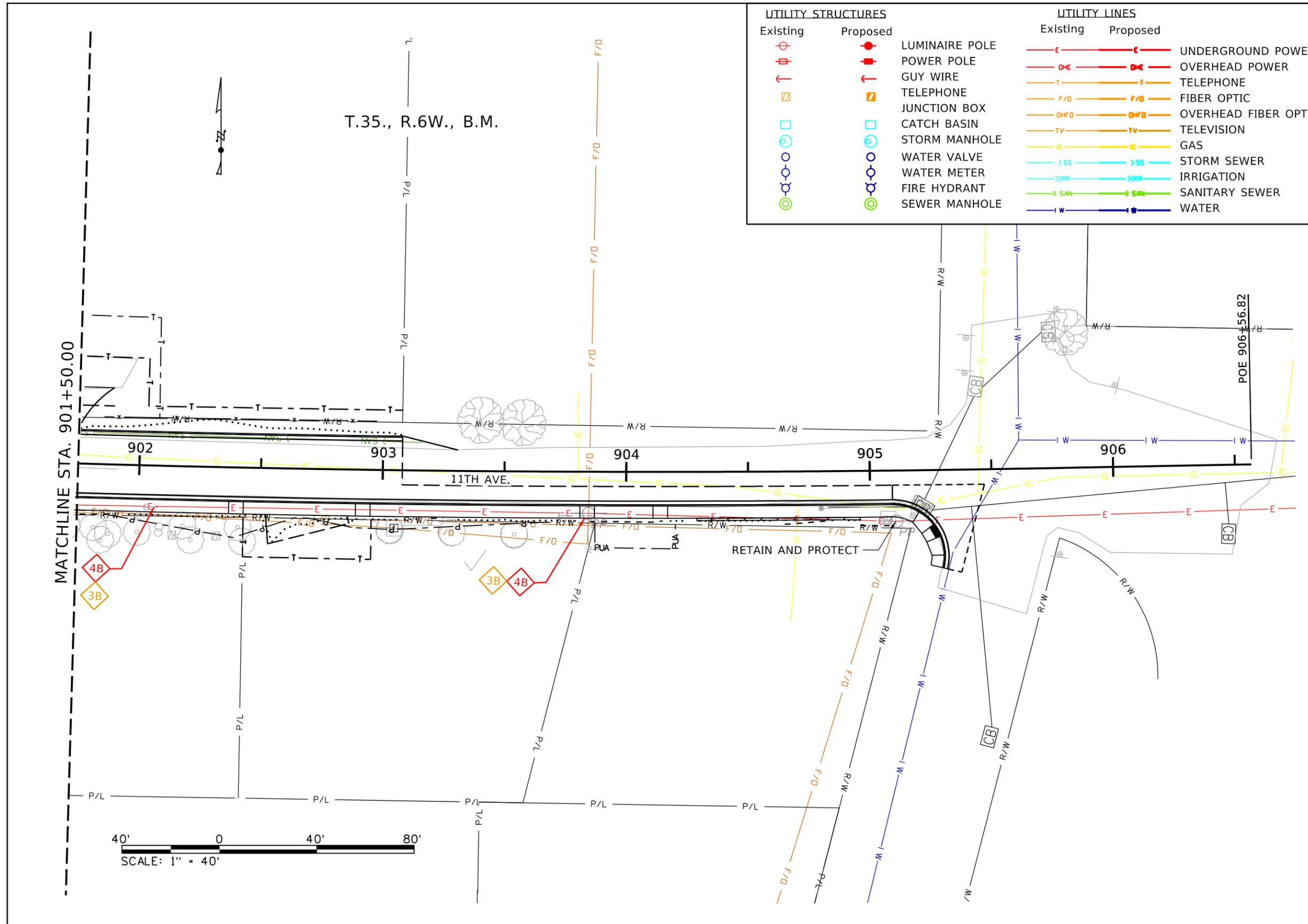


UTILITY STRUCTURES		UTILITY LINES	
Existing	Proposed	Existing	Proposed

- NOTES:
- CONTRACTOR MUST EXPOSE EXISTING UTILITY CROSSINGS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES 2 WEEKS PRIOR TO CONSTRUCTION. CALL "DIG LINE INC." AT 811 AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
 - CONTRACTOR MUST COORDINATE WITH ALL UTILITY OWNERS IN THE PROJECT VICINITY FOR SCHEDULING AND PROVIDING ACCESS FOR RELOCATION WORK TO BE PERFORMED BY OTHERS.
 - RETAIN AND PROTECT ALL UTILITIES UNLESS OTHERWISE SPECIFIED.
 - EXISTING WATER VALVES AND SEWER LIDS WILL BE RAISED TO GRADE BY CONTRACTOR.

- LEGEND
- SPARKLIGHT
 - LUMEN
 - PORT OF LEWISTON
 - AVISTA
 - EXISTING NATURAL GAS
 - EXISTING WATER

- ADJUST DEPTH DURING CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
- A CONSTRUCTION AS NEEDED BY COMPANY AT COMPANY EXPENSE. COORDINATE WITH CONTRACTOR
 - B REMOVE AND RELOCATE BY COMPANY AT COMPANY EXPENSE
 - C ADJUST DEPTH BY CONTRACTOR AT PROJECT EXPENSE
 - D REMOVE BY COMPANY AT COMPANY EXPENSE
 - E ABANDON EXISTING FACILITY IN PLACE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. KAUER
DESIGN CHECKED	B. SCHELLENBERG
DETAILED	K. KAUER
DRAWING CHECKED	B. SCHELLENBERG

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 43 UTIL SHEETS NEW.DGN

DRAWING DATE: October 31, 2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

UTILITY SHEETS

Snake River Ave Southway Br to 11th Ave

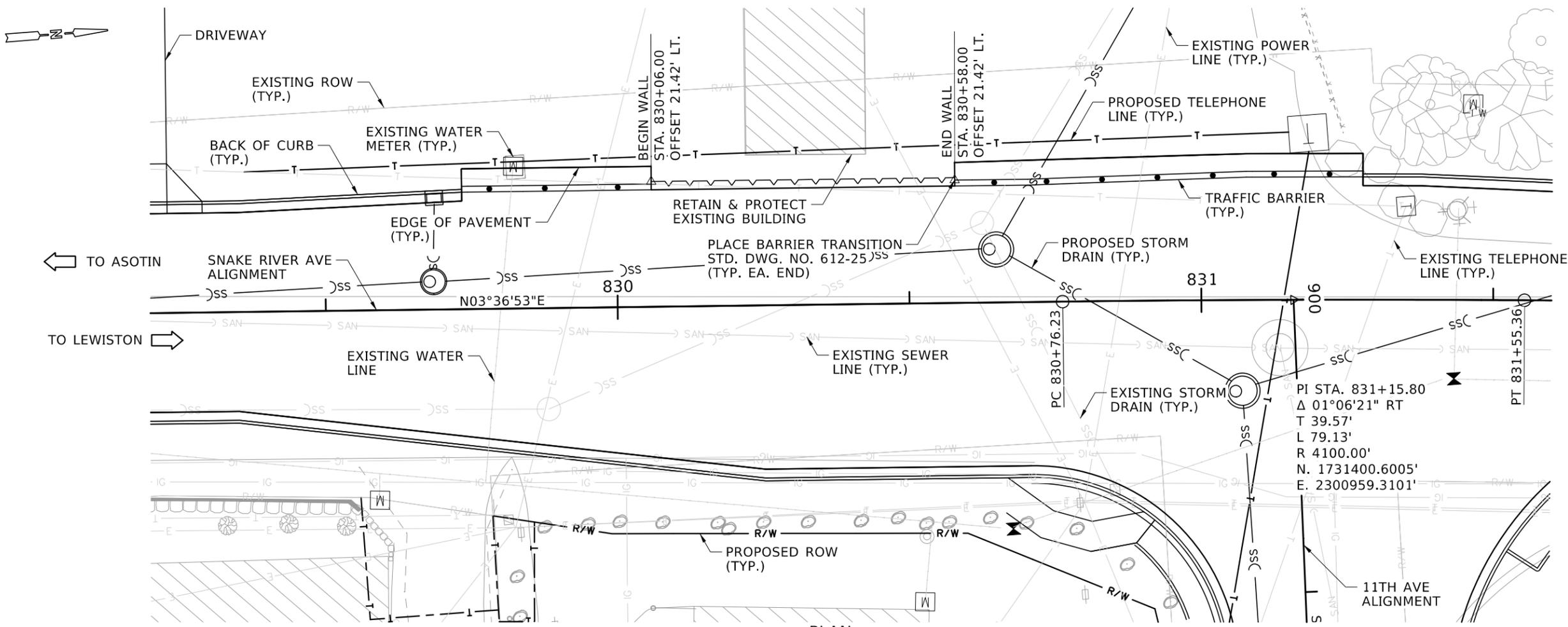
ENGLISH

COUNTY: NEZ PERCE

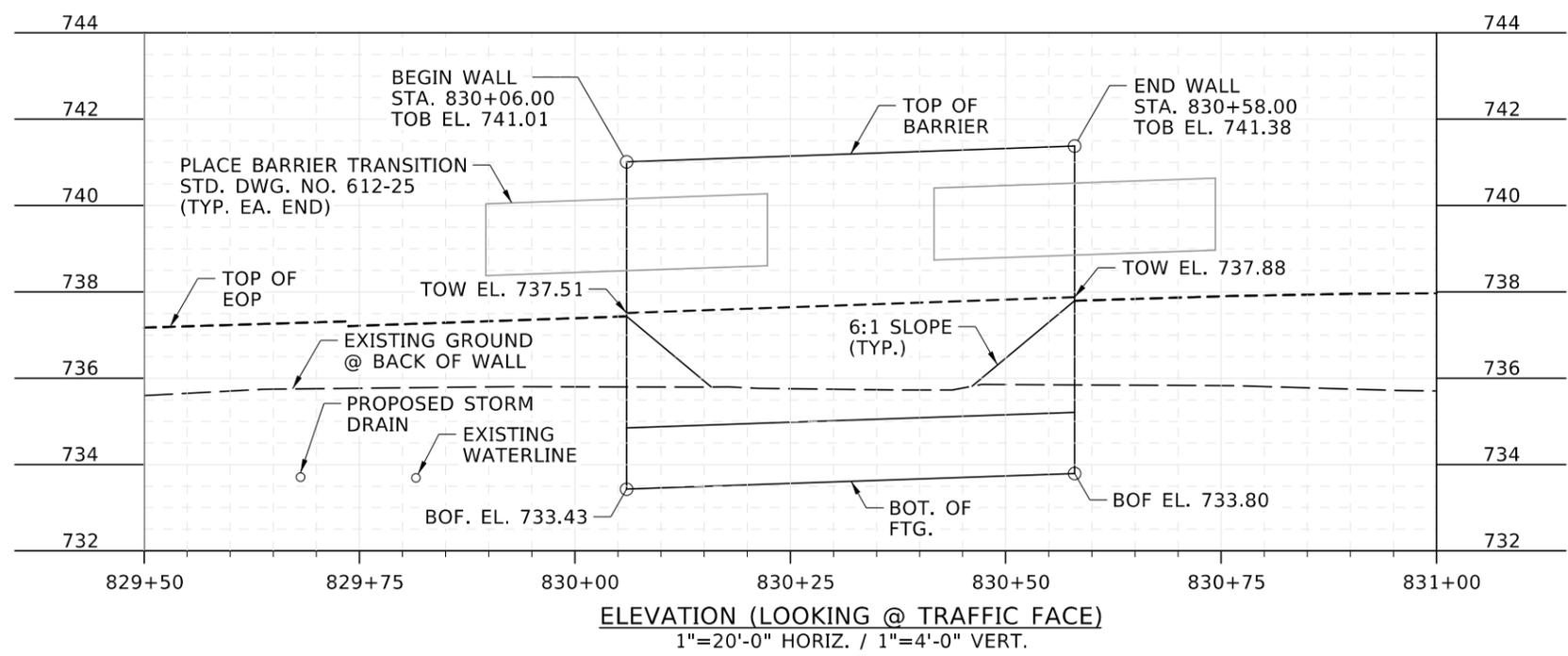
KEY NUMBER: 13443

SHEET 103 OF 103





PLAN
1"=20'-0"



ITEMS		
210-010A	STRUCTURE EXCAVATION SCHEDULE NO.2	52 CY
210-015A	COMPACTING BACKFILL	35 CY
301-010A	GRANULAR SUBBASE	35 CY
303-052A	3/4" AGGREGATE TYPE B FOR BASE	10 CY
502-025A	CONCRETE CLASS 40-A	21.6 CY
502-430A	CONCRETE PARAPET (42" SINGLE SLOPE)	52.0 FT
503-005A	METAL REINFORCEMENT	2962 LB
503-020A	EPOXY COATED METAL REINFORCEMENT	675 LB

BOF = BOTTOM OF FOOTING
TOW = TOP OF WALL
TOB = TOP OF BARRIER
EOP = EDGE OF PAVEMENT

13-MAY-2025
KN13443_rwsr_001.dgn
ORIGINAL STORED AT: ITD BRIDGE SECTION - Boise, Idaho

REVISIONS			
NO.	DATE	BY	DESCRIPTION

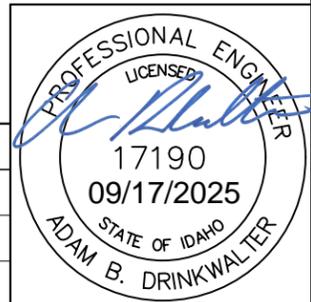
DESIGNED A. DRINKWALTER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME LHTAC\Projects\prj13443\BridgelPlans KN13443_rwsr_001.dgn DRAWING DATE: MAY 2025
DESIGN CHECKED J. HUNTER	
DETAILED C. SOBOTKA	
DWG. CHECKED J. HUNTER	
CORRECTIONS	

IDAHO
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DEPARTMENT
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ENGLISH
PROJECT NO.
A013(443)

PLAN & PROFILE	
SNAKE RV AVE; 15TH TO 11TH AVE. BARRIER RETAINING WALL	

BRIDGE PLANS	
BRIDGE KEY NO. NA	
COUNTY NEZ PERCE	KEY NO. 13443
BRIDGE DWG. NO. NA	SHEET 1 OF 4



DESIGN

DESIGN SPECIFICATIONS

"AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS" 9th EDITION AND 2024 ITD BRIDGE DESIGN LRFD MANUAL.

DESIGN PROCEDURES

RAILING IN ACCORDANCE WITH MASH TL - 3. DESIGN SPEED IS 35 mph.
 PROPRIETARY COMPUTER SOFTWARE PROGRAMS USED TO FACILITATE THE DESIGN:

NAME	VERSION	RELEASE DATE	NAME	VERSION	RELEASE DATE
EXCEL	2205	2022			

DESIGN LOADS

PERMANENT LOADS

DC	UNIT WEIGHT OF REINFORCED CONCRETE	0.150 kcf
DW	FUTURE WEARING SURFACE	0.07 ksf
EV	UNIT WEIGHT OF SOIL	0.130 kcf (ASSUMED)
EH	ACTIVE PRESSURE	0.036 kcf (ASSUMED)
	AT REST PRESSURE	0.057 kcf (ASSUMED)
ES	EARTH LOAD SURCHARGE	0.00 ft

TRANSIENT LOADS

LL	HL-93	
LS	LIVE LOAD SURCHARGE AT WALL	2.0 ft

FOOTING DESIGN LOADS

STRENGTH LIMIT STATE - BEARING

NOMINAL BEARING RESISTANCE $q_n = 3.0$ ksf (ASSUMED)
 EFFECTIVE FOOTING WIDTH $B' = 5.09$ ft
 RESISTANCE FACTOR $\phi_b = 0.55$
 FACTORED BEARING RESISTANCE $q_R = q_n \phi_b = 1.65$ ksf
 FACTORED APPLIED LOAD $YQ/(B) = 1.23$ ksf

SERVICE LIMIT STATE

PRESUMPTIVE BEARING CAPACITY $q_p = 1.0$ ksf (ASSUMED)
 BASED UPON AASHTO TABLE C10.6.2.5.1-1 FOR "SOFT ML" SUBGRADE
 EFFECTIVE FOOTING WIDTH $B' = 4.96$ ft
 RESISTANCE FACTOR $\phi = 1.0$
 FACTORED PRESUMPTIVE BEARING RESISTANCE $\phi q_p = 1.0$ ksf
 FACTORED APPLIED LOAD $YQ/(B) = 0.94$ ksf

GENERAL NOTES

MATERIALS, CONSTRUCTION AND WORKMANSHIP IN ACCORDANCE WITH THE STATE OF IDAHO TRANSPORTATION DEPARTMENT: 2023 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2024 SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, AND THE PROJECT PLANS.

MATERIAL

CONCRETE: PARAPET - CLASS 40AF $f'c = 4.0$ ksi
 FOOTING AND WALL STEM - CLASS 40A $f'c = 4.0$ ksi
 METAL REINFORCEMENT: AASHTO M31, GRADE 60 $f_y = 60$ ksi

PLAN DIMENSIONS AND ELEVATIONS

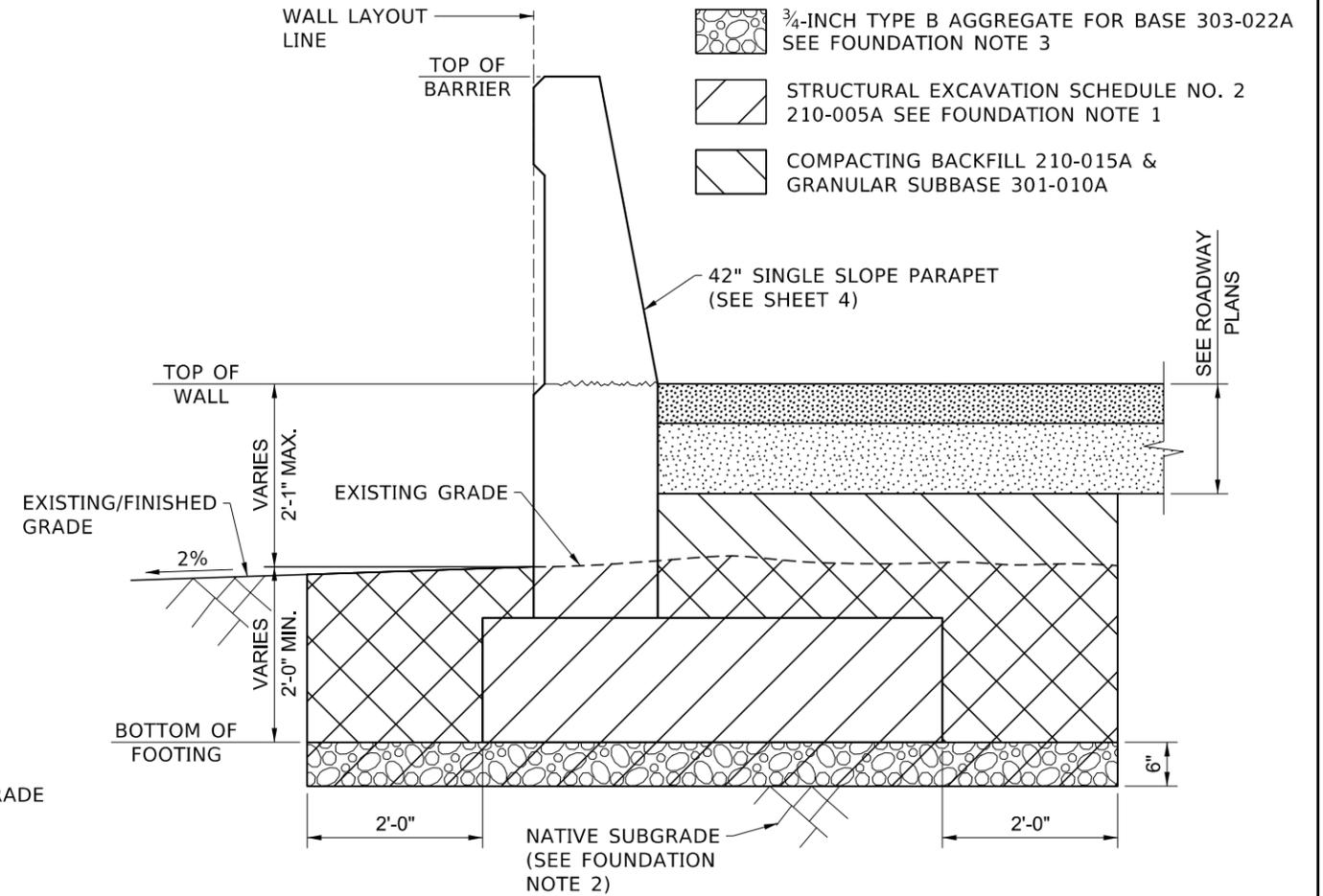
BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " UNLESS NOTED OTHERWISE.
 DIMENSIONS TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS NOTED OTHERWISE.
 PROVIDE 2" CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING BAR, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 PROVIDE REINFORCING STEEL SPLICE LENGTHS IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

CONSTRUCTION

PROVIDE CONSTRUCTION JOINTS AT THE LOCATIONS SHOWN ON THE PLANS OR AS APPROVED.
 ELEVATIONS BASED ON NAVD 88 DATUM.

INCIDENTAL ITEMS

WORK NECESSARY TO FULFILL THE CONTRACT THAT IS NOT MEASURED OR PAID FOR SEPARATELY.



PAY LIMITS DETAIL

$\frac{1}{2}" = 1'-0"$

FOUNDATION NOTES

- EXCAVATE WITH SMOOTH BUCKET TO MINIMIZE DISTURBANCE TO NATIVE SUBGRADE.
- NATIVE SUBGRADE WILL BE COMPACTED WITH A MINIMUM 5 TON ROLLER FOR A MINIMUM OF 5 STATIC PASSES OBSERVED BY OWNER REPRESENTATIVE. SOFT OR YIELDING AREAS OBSERVED WILL REQUIRE REMOVAL AND REPLACEMENT WITH GRANULAR SUBBASE AS DIRECTED BY OWNER REPRESENTATIVE.
- $\frac{3}{4}$ -INCH TYPE B AGGREGATE WILL BE COMPACTED TO CLASS A REQUIREMENTS.

13-MAY-2025 KN13443_rwsr_002.DGN ORIGINAL STORED AT: ITD BRIDGE SECTION - Boise, Idaho

NO.	DATE	BY	DESCRIPTION
▲			
▲			
▲			
▲			

DESIGNED
A. DRINKWALTER
 DESIGN CHECKED
J. HUNTER
 DETAILED
J. MOOSMAN
 DWG. CHECKED
J. HUNTER
 CORRECTIONS

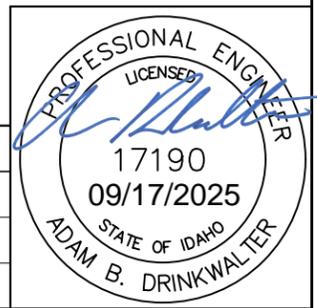
SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
 CADD FILE NAME
LHTAC\Projects\prj13443\BridgelPlans
KN13443_rwsr_002.DGN
 DRAWING DATE:
MAY 2025

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ENGLISH
 PROJECT NO.
 A013(443)

DESIGN & GENERAL NOTES
 SNAKE RV AVE; 15TH TO 11TH AVE.
 BARRIER RETAINING WALL

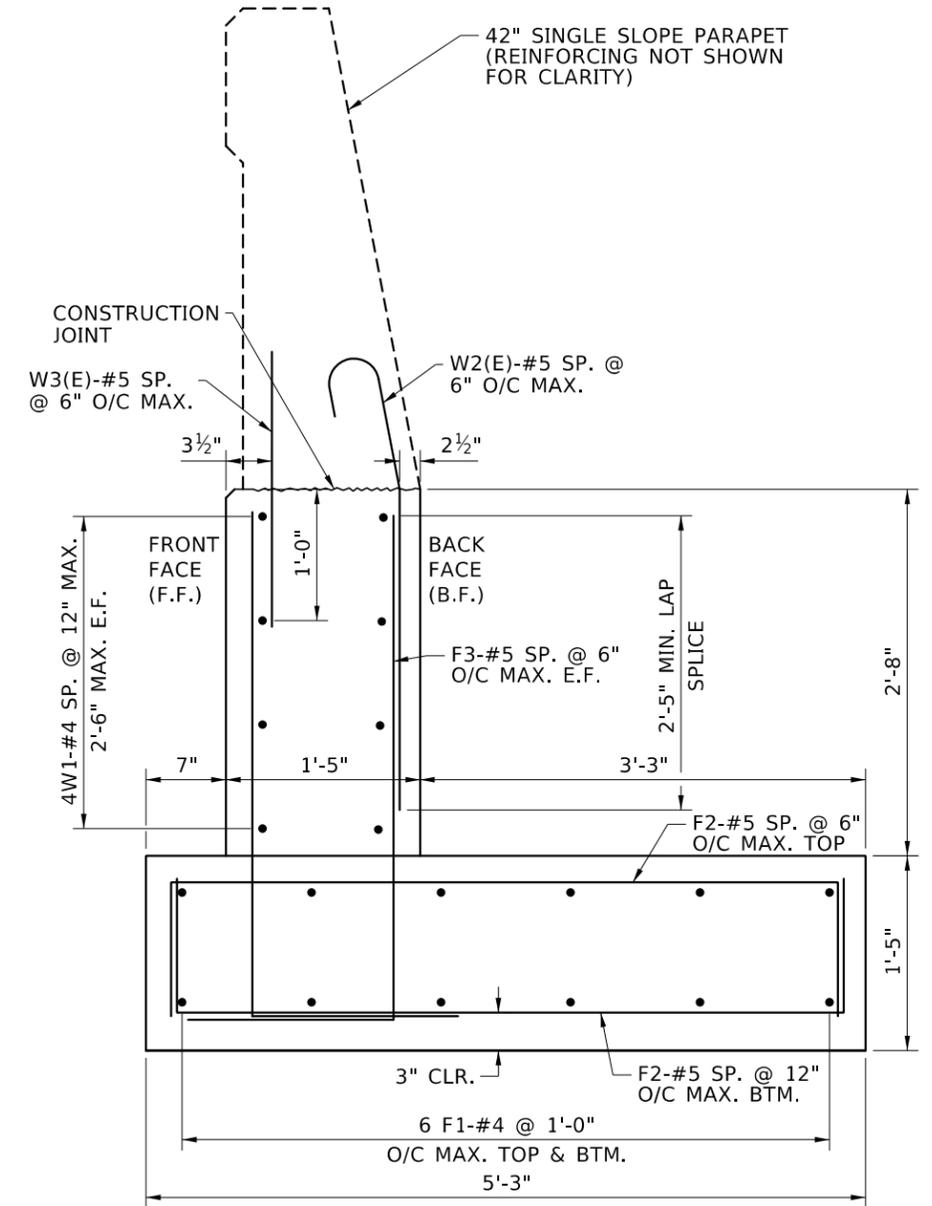
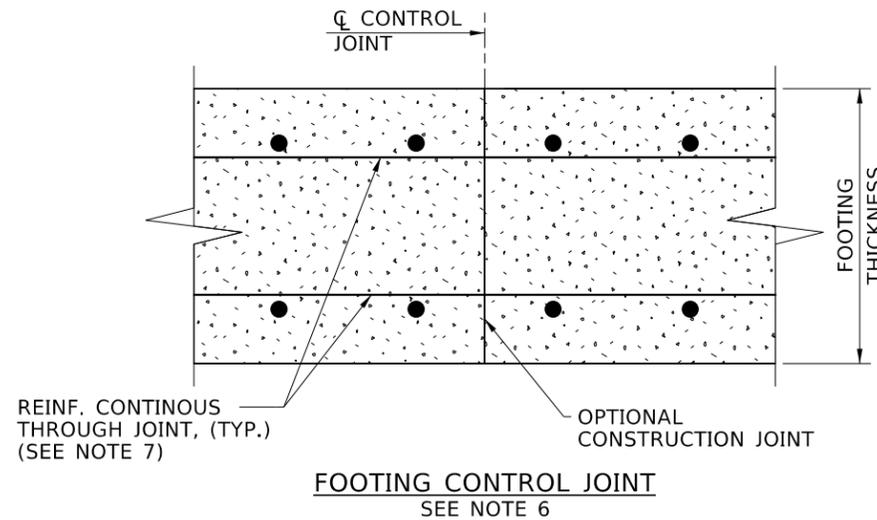
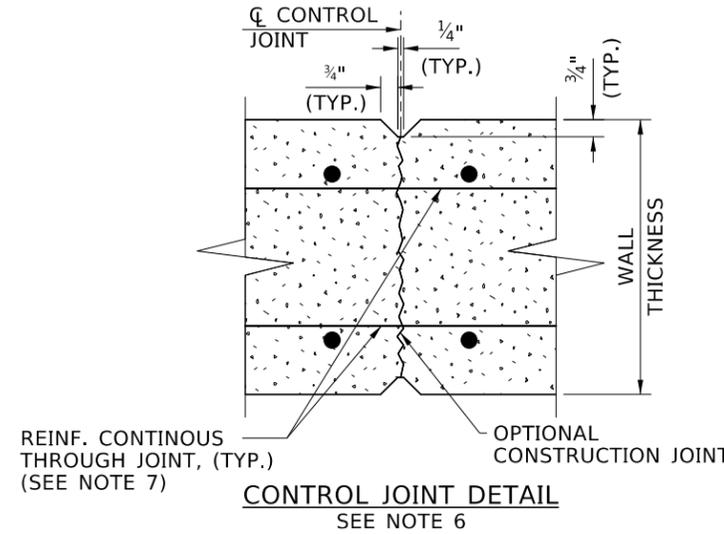
BRIDGE PLANS
 BRIDGE KEY NO. NA
 COUNTY NEZ PERCE KEY NO. 13443
 BRIDGE DWG. NO. NA SHEET 2 OF 4



NOTES

1. PROVIDE BEND DETAILS IN ACCORDANCE WITH THE LATEST ACI STANDARD PRACTICE AND AASHTO SPECIFICATIONS.
2. DIMENSIONS SHOWN IN THE "BAR DIAGRAMS" ARE OUT TO OUT OF BEND POINTS, HOOKS, OR BAR ENDS, UNLESS NOTED OTHERWISE.
3. PROVIDE BARS THAT CONFORM TO AASHTO M31, GRADE 60.
4. EPOXY COAT BARS WITH THE DESIGNATION "E".
5. BARS SHOWN ON THIS PAGE ONLY INCLUDE REINFORCING STEEL PAID FOR UNDER THE PAY ITEMS 503-005A AND 503-020A.
6. CONTROL JOINTS WILL BE CONTINUOUS FROM THE FOOTING TO THE TOP OF 42" SINGLE SLOPE PARAPET.
7. WRAP HORIZONTAL BARS WITH PLASTIC TAPE FOR 6" LENGTH CENTERED ON CONTROL JOINTS TO ALLOW SLIPPAGE.
8. PROVIDE 2" OF CLEAR COVER TO ANY REINFORCING UNLESS NOTED OTHERWISE.

BAR MARK	BAR SIZE	BAR QTY	BAR DIAGRAMS
F1	#4	12	51'-8"
F2	#5	158	4'-11" x 12"
F3	#5	210	3'-8" x 18"
W1	#4	8	51'-8"
W2	#5(E)	105	STANDARD 180 DEG HOOK 12" x 2'-7"
W3	#5(E)	105	2'-0"



F.F. = FRONT FACE
 B.F. = BACK FACE
 E.F. = EACH FACE
 TOP = TOP
 BTM. = BOTTOM

13-MAY-2025 KN13443_rwsr_003.DGN ORIGINAL STORED AT: ITD BRIDGE SECTION - Boise, Idaho

REVISIONS		
NO.	DATE	DESCRIPTION

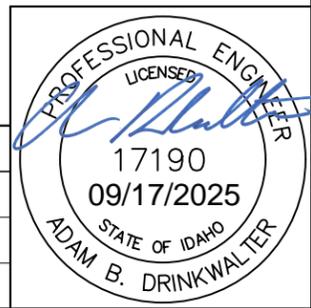
DESIGNED A. DRINKWALTER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED J. HUNTER	CADD FILE NAME LHTAC\Projects\prj13443\BridgelPlans KN13443_rwsr_003.DGN
DETAILED J. MOOSMAN	DRAWING DATE: MAY 2025
DWG. CHECKED J. HUNTER	
CORRECTIONS	

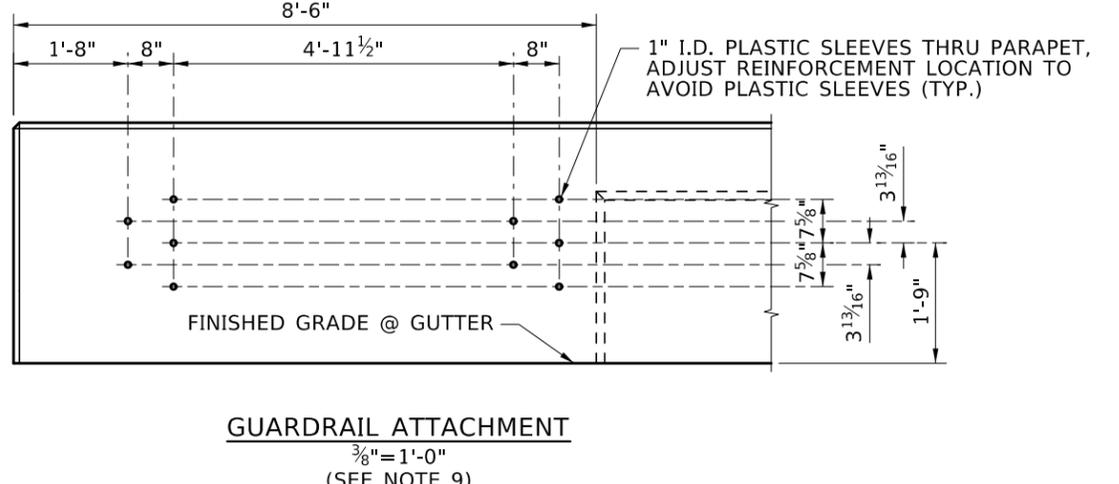
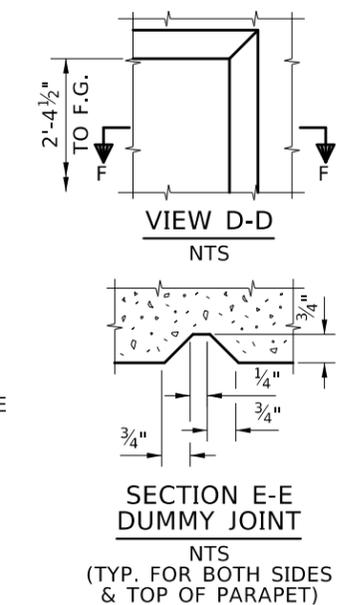
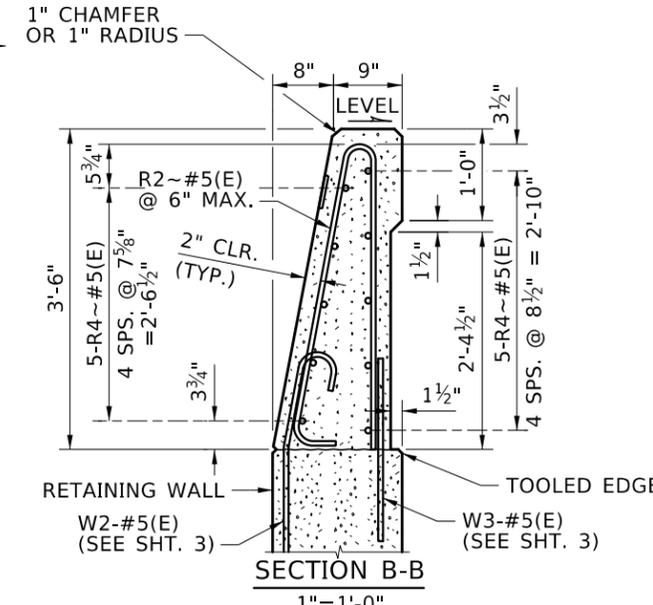
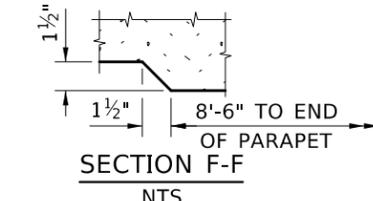
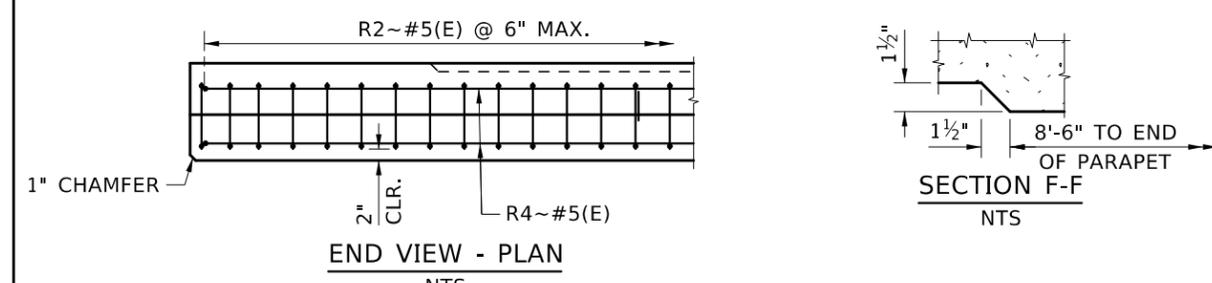
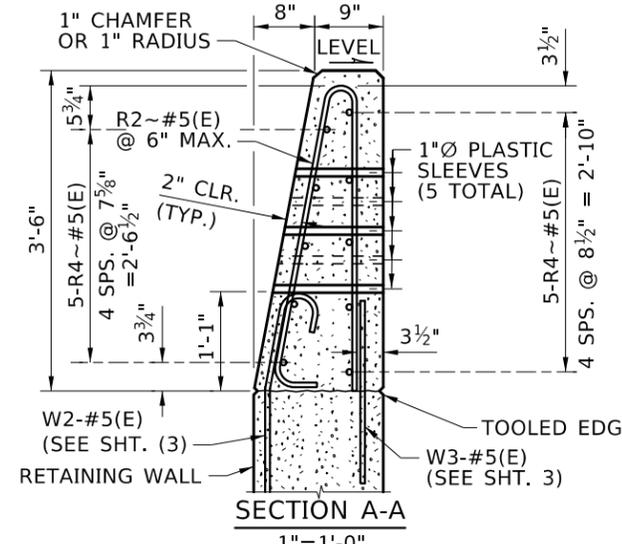
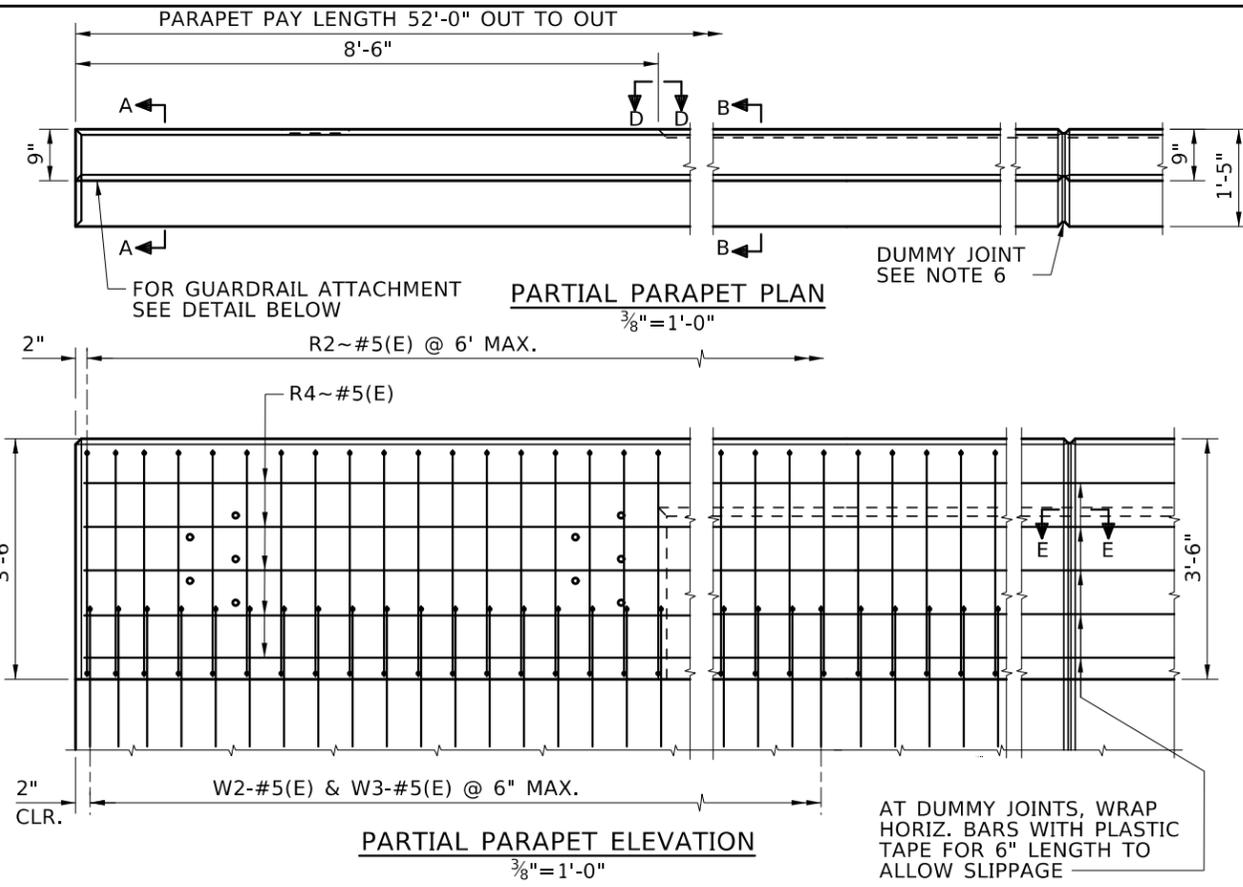
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ENGLISH
 PROJECT NO.
 A013(443)

TYPICAL SECTION & DETAILS
 SNAKE RV AVE; 15TH TO 11TH AVE.
 BARRIER RETAINING WALL

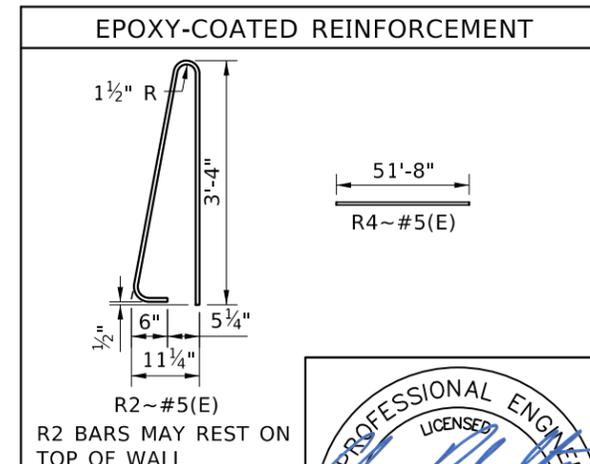
BRIDGE PLANS	
BRIDGE KEY NO. NA	KEY NO. 13443
COUNTY NEZ PERCE	SHEET 3 OF 4
BRIDGE DWG. NO. NA	





- NOTES**
- a. PROVIDE CLASS 40AF CONCRETE .
b. PROVIDE EPOXY-COATED REINFORCEMENT GRADE 60 TYPE S IN ACCORDANCE WITH 708.02 .
 - CONSTRUCT PARAPET SO THAT THE OUTSIDE FACE IS PERPENDICULAR TO THE ROADWAY SLOPE. HEIGHT CONTROL IS AT THE INSIDE (TRAFFIC) FACE.
 - CONSTRUCT USING CAST-IN-PLACE METHOD.
 - SPACE INTERMEDIATE PARAPET DUMMY JOINTS UNIFORMLY THROUGHOUT THE LENGTH OF THE RETAINING WALL. PROVIDE INTERMEDIATE DUMMY JOINT SPACING NOT LESS THAN 6'-0" NOR GREATER THAN 12'-0".
 - CONSTRUCT END FACE, AND DUMMY JOINTS PERPENDICULAR TO THE ROADWAY GRADE.
 - WATER CURE THE CONCRETE SURFACE OF THE PARAPET IN ACCORDANCE WITH 502.03.
 - SEE ROADWAY PLANS FOR TERMINAL CONNECTOR AND GUARDRAIL.
 - PAYMENT FOR 42" SINGLE SLOPE CONCRETE PARAPET IS PAY ITEM 502-430A.
 - SEE ROADWAY PLANS FOR TYPE OF APPROACH RAIL. FOR THRIE-BEAM TERMINAL CONNECTION - SEE STD. DWG. 612-10 OR 612-11. PROVIDE BOTH SETS OF HOLES.

APPROXIMATE PARAPET QUANTITIES
 CONCRETE:..... 3.45 CF/LF
 EPOXY REINFORCEMENT:..... 35 LB/LF



13-MAY-2025 KN13443_rwsr_004.DGN ORIGINAL STORED AT: ITD BRIDGE SECTION - Boise, Idaho

NO.	DATE	BY	DESCRIPTION

DESIGNED A. DRINKWALTER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME LHTAC\Projects\prj13443\BridgelPlans KN13443_rwsr_004.DGN DRAWING DATE: MAY 2025
DESIGN CHECKED J. HUNTER	
DETAILED J. MOOSMAN	
DWG. CHECKED J. HUNTER	
CORRECTIONS	

IDAHO TRANSPORTATION DEPARTMENT

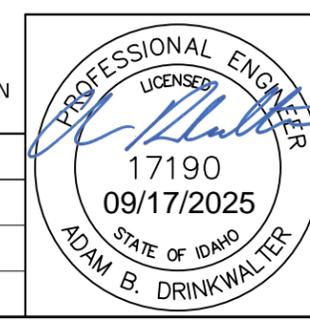
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Horrocks.

ENGLISH
 PROJECT NO.
 A013(443)

42" SINGLE SLOPE CONCRETE PARAPET
 SNAKE RV AVE; 15TH TO 11TH AVE.
 BARRIER RETAINING WALL

BRIDGE PLANS	
BRIDGE KEY NO. NA	
COUNTY NEZ PERCE	KEY NO. 13443
BRIDGE DWG. NO. NA	SHEET 4 OF 4



\$\$\$TIME\$\$\$

\$\$\$DATE\$\$\$

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 WEST ZONE 1103
 EPOCH DATE: 2010
 PROJECT UNITS: US SURVEY FOOT
 COMBINED SCALE FACTOR: 1
 FALSE NORTHING: 0.00
 FALSE EASTING: 0.00
 GEOID MODEL: GEOID03
 PROJECT BM: 100
 CONVERGANCE ANGLE AT PROJECT BM: -0°55'50"
 LHTAC KN: 13443

POINT NUMBER	PROJECT PRIMARY CONTROL COORDINATES			GEOGRAPHIC COORDINATES			DESCRIPTION
	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	
TRUE'S NO. 7	1731416.730	2300941.619	734.36	46°24'33.58616"N	117°02'00.13793"W	674.16	Found Brass Cap
100	1729115.033	2300516.960	750.44	46°24'10.80167"N	117°02'05.66355"W	690.26	Found Brass Cap
101	1731904.613	2300974.000	734.34	46°24'38.40648"N	117°01'59.78886"W	674.14	Set 5/8" Rebar with Cap - HORROCKS
102	1729842.269	2300707.660	750.54	46°24'18.00964"N	117°02'03.11136"W	690.35	Set 5/8" Rebar with Cap - HORROCKS
103	1727446.221	2300877.119	829.66	46°23'54.38912"N	117°02'00.13911"W	769.50	Found Brass Cap
104	1729098.083	2300655.812	790.16	46°24'10.65664"N	117°02'03.67870"W	729.98	Found Brass Cap
105	1729427.290	2300748.979	789.24	46°24'13.92065"N	117°02'02.42577"W	729.05	Found Brass Cap
106	1729507.530	2300750.941	789.21	46°24'14.71289"N	117°02'02.41636"W	729.03	Found 1/2" Rebar with no cap
107	1730719.227	2301284.777	803.12	46°24'26.75712"N	117°01'55.08040"W	742.94	Found Brass Cap
108	1731407.637	2301517.518	804.03	46°24'33.58856"N	117°01'51.91881"W	743.83	Found 1/2" Rebar
109	1730987.170	2300974.661	739.09	46°24'29.35194"N	117°01'59.56705"W	678.90	Found 1/2" Rebar with cap - PLS 749
110	1730090.299	2300920.105	-	46°24'20.49159"N	117°02'00.13782"W	-	Found Brass Cap

NOTES

CONTROL WAS ESTABLISHED BY SITE CALIBRATION FROM PREVIOUSLY ESTABLISHED CONTROL BY RIM ROCK CONSULTING. EFFORT WAS MADE TO MATCH COORDINATES AND ELEVATIONS PROVIDED.

COMBINED SCALE FACTOR WAS NOT AVAILABLE FROM PREVIOUS CONSULTANT. STATE PLANE GRID WAS DETERMINED TO BE THE "BEST FIT" WITH INFORMATION

THE BENCHMARK FOR THIS PROJECT IS CONTROL POINT 100, A BRASS CAP HAVING CALCULATED ELEVATION OF 750.44. ELEVATION CALCULATED FROM ADJUSTMENT TO PREVIOUSLY ESTABLISHED CONTROL

PRIMARY SURVEY CONTROL CONSISTS OF EXISTING AND NEWLY ESTABLISHED SURVEY MONUMENTS.

SECONDARY CONTROL IS REFERENCED FROM RIM ROCK CONSULTANTS AND TO BE USED AS INFORMATION ONLY. THESE POINTS SHOULD BE VERIFIED AND PROTECTED DURING CONSTRUCTION.

POINT NUMBER	PROJECT SECONDARY CONTROL COORDINATES			GEOGRAPHIC COORDINATES			DESCRIPTION
	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	
201	1731417.108	2300917.647	-	46°24'33.58606"N	117°02'00.48005"W	-	Found 5/8" Rebar
202	1731078.586	2300912.405	-	46°24'30.24419"N	117°02'00.47647"W	-	Found 1/2" Rebar
203	1730620.993	2300879.183	-	46°24'25.72269"N	117°02'00.84453"W	-	Found 1/2" Rebar
204	1730621.818	2300869.216	-	46°24'25.72924"N	117°02'00.98692"W	-	Found 1/2" Rebar
205	1730455.006	2300848.775	-	46°24'24.07962"N	117°02'01.23995"W	-	Found 1/2" Rebar
206	1731415.939	2300991.728	-	46°24'33.58638"N	117°01'59.42278"W	-	Found PK

OFFICIAL R/W PLANS			
Submitted By: <i>[Signature]</i>		06-09-2025	
Consultant Surveyor		Date	
Recommended By:		Date	
Project Manager		Date	
Approved By:		Date	
Design Manager		Date	

ORIGINAL STORED AT: ITD, District 2
2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION
			DESIGNED K. ARNZEN
			DESIGN CHECKED D. BARKER
			DETAILED K. ARNZEN
			DRAWING CHECKED D. BARKER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_SRVY_CNTL.DGN
 DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT



 **Horrocks.**

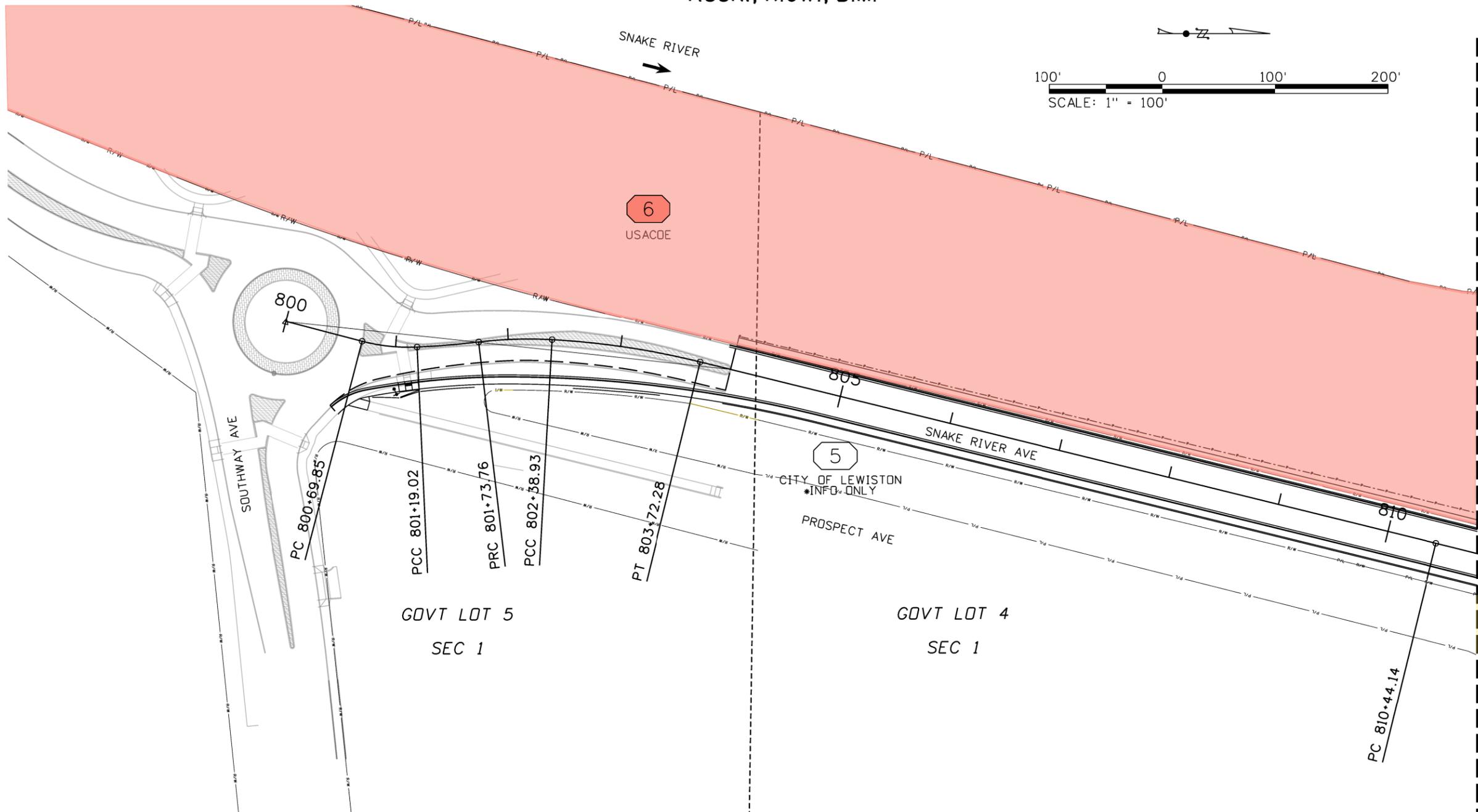
PROJECT NO. A013(443)
 PROJECT CONTROL
Snake River Ave Southway BR to 11th Ave

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 1 OF 13



\$\$\$FILE\$\$\$

T.35N., R.6W., B.M.



Parcel No.	Parcel ID No.	Record Owner	Total Ownership Assessed Ac.	Right of Way		Remainder		Easement	
				Req'd Ac.	Exist Ac.	Left Ac.	Right Ac.	Perm. Ac.	Temp. Ac.
1	51254	Knox Land & Development LLC	0.885	0.040	0.000	0.000	0.845	0.000	0.036
2	51256	Federal Cartridge Co.	3.182	0.098	0.000	0.000	3.084	0.000	0.148
3	51258	Browne, Michael J.	1.274	0.003	0.000	0.000	1.271	0.000	0.007
4*		Harvest States Cooperatives	8.090	0.000	0.000	8.090	0.000	0.000	0.000
5*		City of Lewiston	1.146	0.000	0.000	0.000	1.146	0.000	0.000
6	51260	USACOE	119.282	0.000	0.000	119.000	0.282	0.405	0.613
7*		1402 Snake River LLC	2.772	0.000	0.000	2.772	0.000	0.000	0.000
8*		Pint Danny J & Pint Dianna L	0.23	0.000	0.000	0.000	0.000	0.000	0.000

NOTES:
 1. TOTAL OWNERSHIP AREAS SHOWN REPRESENT THE AREAS WITHIN THE SECTIONS AS DETERMINED FROM ASSESSOR'S FIELD DATA SHEETS AND REPORTS. THE OWNERSHIP PARCELS WERE NOT SURVEYED AND SAID AREAS ARE APPROXIMATE. REMAINDER AREAS WERE CALCULATED BY DEDUCTING ANY ACQUISITIONS MADE AS A RESULT OF THIS PROJECT FROM THOSE APPROXIMATE AREAS AND ARE ALSO APPROXIMATE.
 2. * INDICATES PARCEL IS SHOWN FOR INFORMATION PURPOSES ONLY.

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED P. REMUS
 DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_ommap_001.sht
 DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

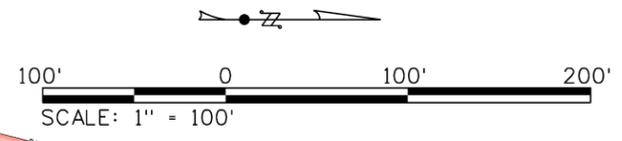
PROJECT NO. A013(443)

TOTAL OWNERSHIP MAP
 SNAKE RIVER AVE;
 SOUTHWAY BR TO 11TH AVE

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 2 OF 13

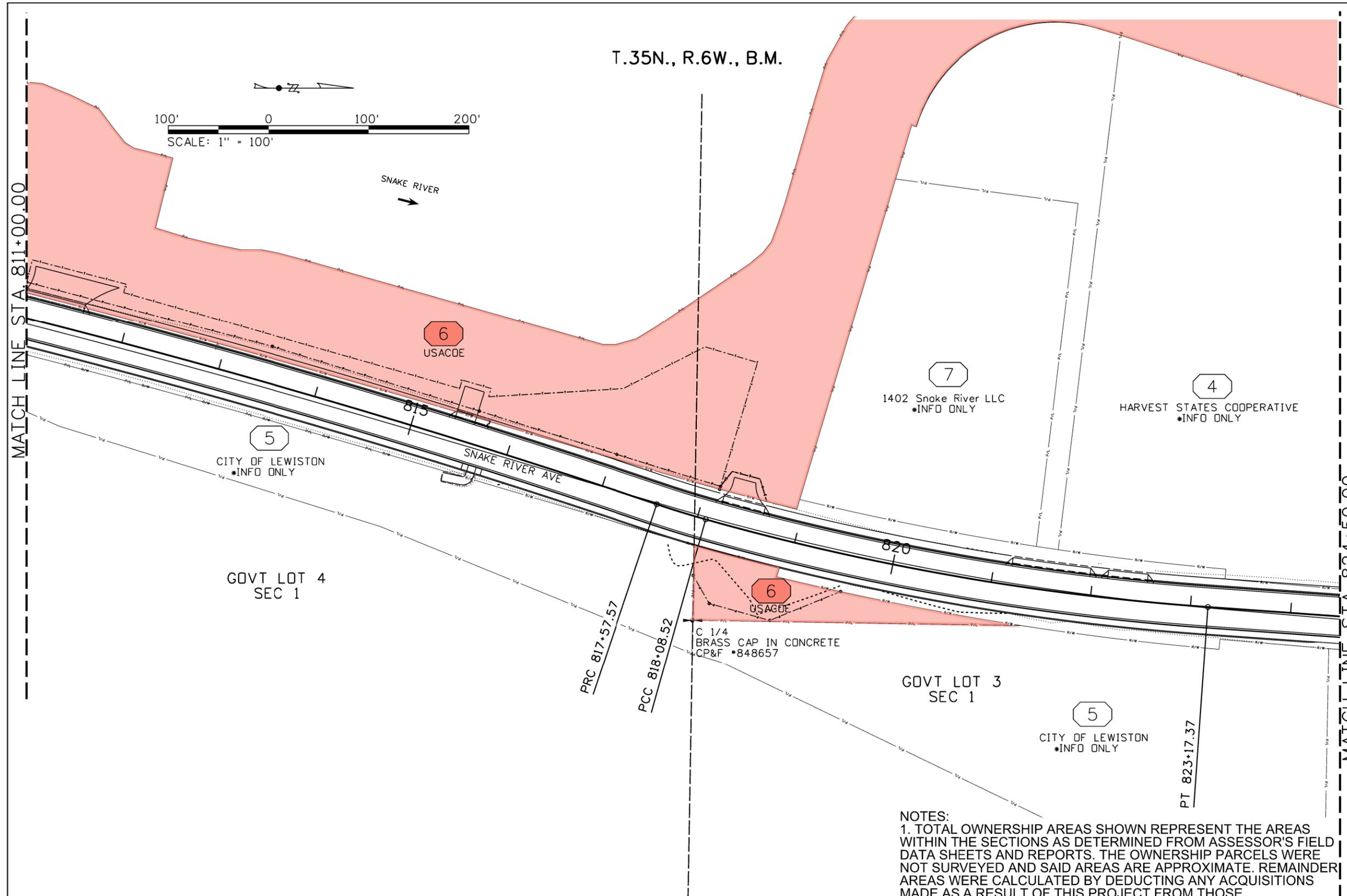
PROFESSIONAL LAND SURVEYOR
 LICENSED 18781
 06-09-2025
 STATE OF IDAHO
 BRIAN T. LISH

T.35N., R.6W., B.M.



MATCH LINE STA. 811+00.00

MATCH LINE STA. 824+50.00



NOTES:
 1. TOTAL OWNERSHIP AREAS SHOWN REPRESENT THE AREAS WITHIN THE SECTIONS AS DETERMINED FROM ASSESSOR'S FIELD DATA SHEETS AND REPORTS. THE OWNERSHIP PARCELS WERE NOT SURVEYED AND SAID AREAS ARE APPROXIMATE. REMAINDER AREAS WERE CALCULATED BY DEDUCTING ANY ACQUISITIONS MADE AS A RESULT OF THIS PROJECT FROM THOSE APPROXIMATE AREAS AND ARE ALSO APPROXIMATE.
 2. * INDICATES PARCEL IS SHOWN FOR INFORMATION PURPOSES ONLY.

ORIGINAL STORED AT: ITD, District 2
 2600 North & South Highway,
 Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED P. REMUS
 DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_omap_002.sh.DGN
 DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

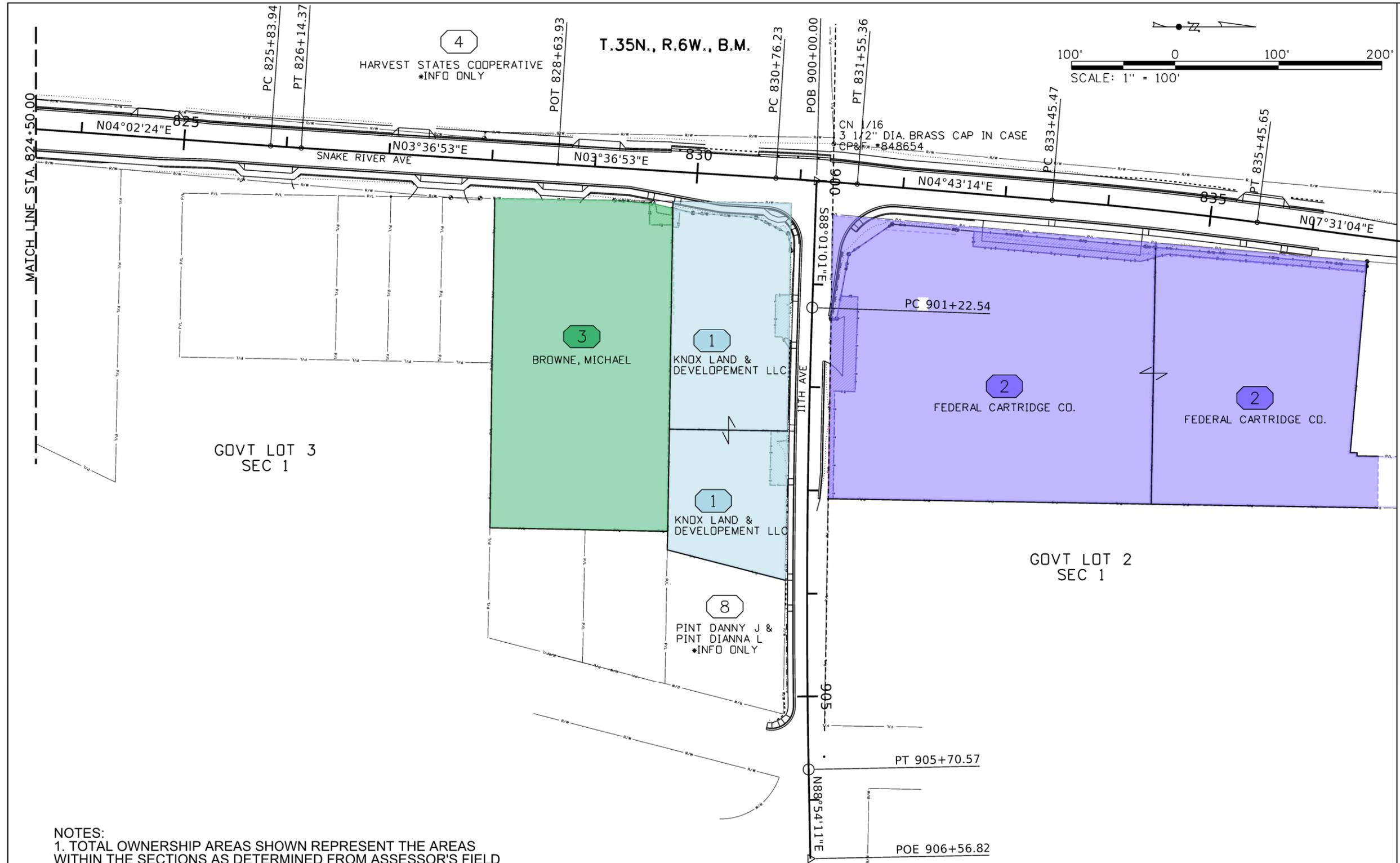
PROJECT NO. A013(443)

TOTAL OWNERSHIP MAP
**Snake River Ave;
 Southway Br to 11th Ave**

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 3 OF 13

PROFESSIONAL LAND SURVEYOR
 LICENSED
Brian T. Lish
 18781
 06-09-2025
 STATE OF IDAHO
 BRIAN T. LISH

\$\$\$FILES\$\$\$



NOTES:
 1. TOTAL OWNERSHIP AREAS SHOWN REPRESENT THE AREAS WITHIN THE SECTIONS AS DETERMINED FROM ASSESSOR'S FIELD DATA SHEETS AND REPORTS. THE OWNERSHIP PARCELS WERE NOT SURVEYED AND SAID AREAS ARE APPROXIMATE. REMAINDER AREAS WERE CALCULATED BY DEDUCTING ANY ACQUISITIONS MADE AS A RESULT OF THIS PROJECT FROM THOSE APPROXIMATE AREAS AND ARE ALSO APPROXIMATE.

2. * INDICATES PARCEL IS SHOWN FOR INFORMATION PURPOSES ONLY.

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED P. REMUS
 DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_omap_003.sh.DGN
 DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO. A013(443)

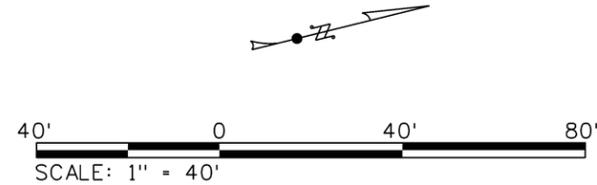
TOTAL OWNERSHIP MAP
**Snake River Ave;
 Southway Br to 11th Ave**

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 4 OF 13

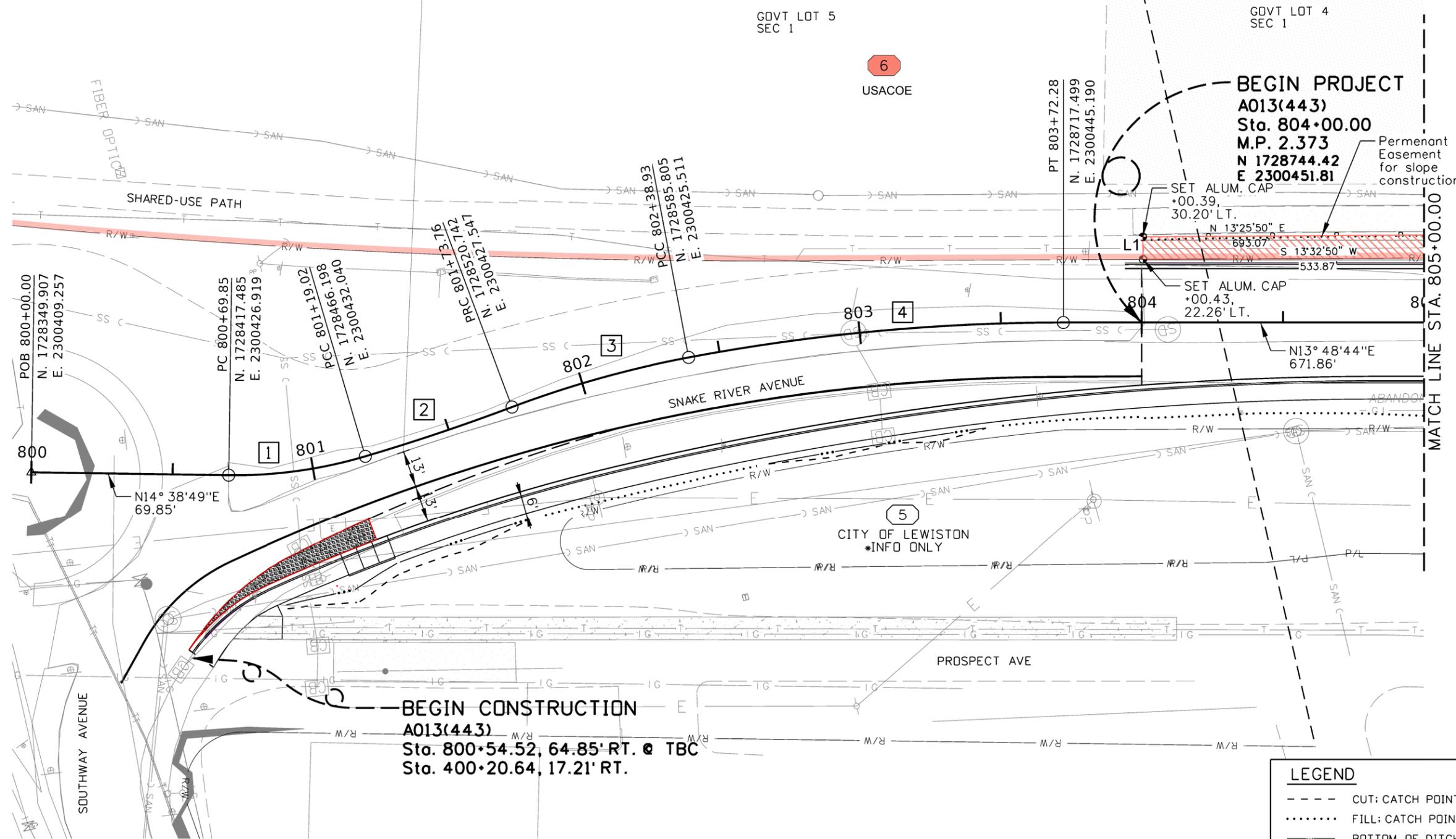
PROFESSIONAL LAND SURVEYOR
 LICENSED 18781
 06-09-2025
 STATE OF IDAHO
 BRIAN T. LISH

\$\$\$FILES\$\$\$

Cv. No. 1	Cv. No. 2	Cv. No. 3	Cv. No. 4	T.35N., R.6W., B.M.
D= 35° 10'09"	D= 07° 32'20"	D= 15° 16'44"	D= 07° 58'08"	
Δ= 17° 17'32" Lt.	Δ= 04° 07'37" Lt.	Δ= 09° 57'29" Rt.	Δ= 10° 37'34" Rt.	
T= 24.77'	T= 27.38'	T= 32.67'	T= 66.87'	
L= 49.17'	L= 54.74'	L= 65.18'	L= 133.35'	
R= 162.92'	R= 760.00'	R= 375.00'	R= 719.00'	
P.I. N. 1728441.45 E. 2300433.18	P.I. N. 1728493.55 E. 2300430.78	P.I. N. 1728553.18 E. 2300423.69	P.I. N. 1728652.57 E. 2300429.23	



Line Table		
Line	Bearing	Length
L1	N76°27'10"W	7.94'



- NOTES:**
- Snake River Avenue Design centerline is different from Right of Way centerline. Stations and offsets are based on design centerline.
 - City of Lewiston to formalize public right-of-way line as part of KN 13443. Not completed as part of KN 09029.
 - All approaches in project are commercial.

LEGEND

- CUT: CATCH POINT
- FILL: CATCH POINT
- BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	CADD FILE NAME 13443_plan_001.sht
DETAILED P. REMUS	DRAWING DATE: 9-JUN-2025
DRAWING CHECKED B. LISH	

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO. A013(443)

RIGHT-OF-WAY PLAN SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 5 OF 13

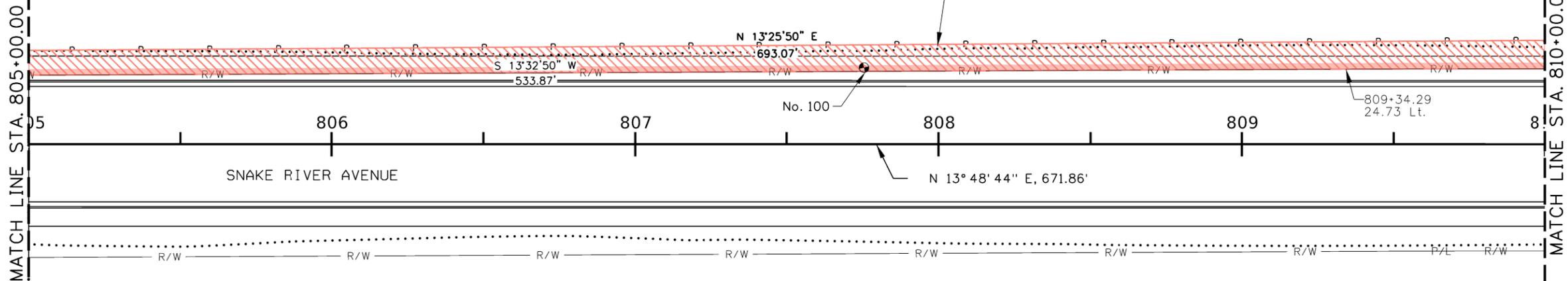


T.35N., R.6W., S.1, B.M.
GOVT LOT 4
SEC 1



6
USACOE

Permenant Easement
for slope construction



No. 100

809+34.29
24.73 Lt.

SNAKE RIVER AVENUE

N 13° 48' 44" E, 671.86'

5
CITY OF LEWISTON
*INFO ONLY

No. 104



LEGEND

- - - - CUT: CATCH POINT
- FILL: CATCH POINT
- BOTTOM OF DITCH

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
DESIGN CHECKED D. BARKER
DETAILED P. REMUS
DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443_plan_002.sht.DGN
DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT



Horrocks.

PROJECT NO.
A013(443)

RIGHT-OF-WAY PLAN
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 6 OF 13

\$\$\$FILES\$\$\$

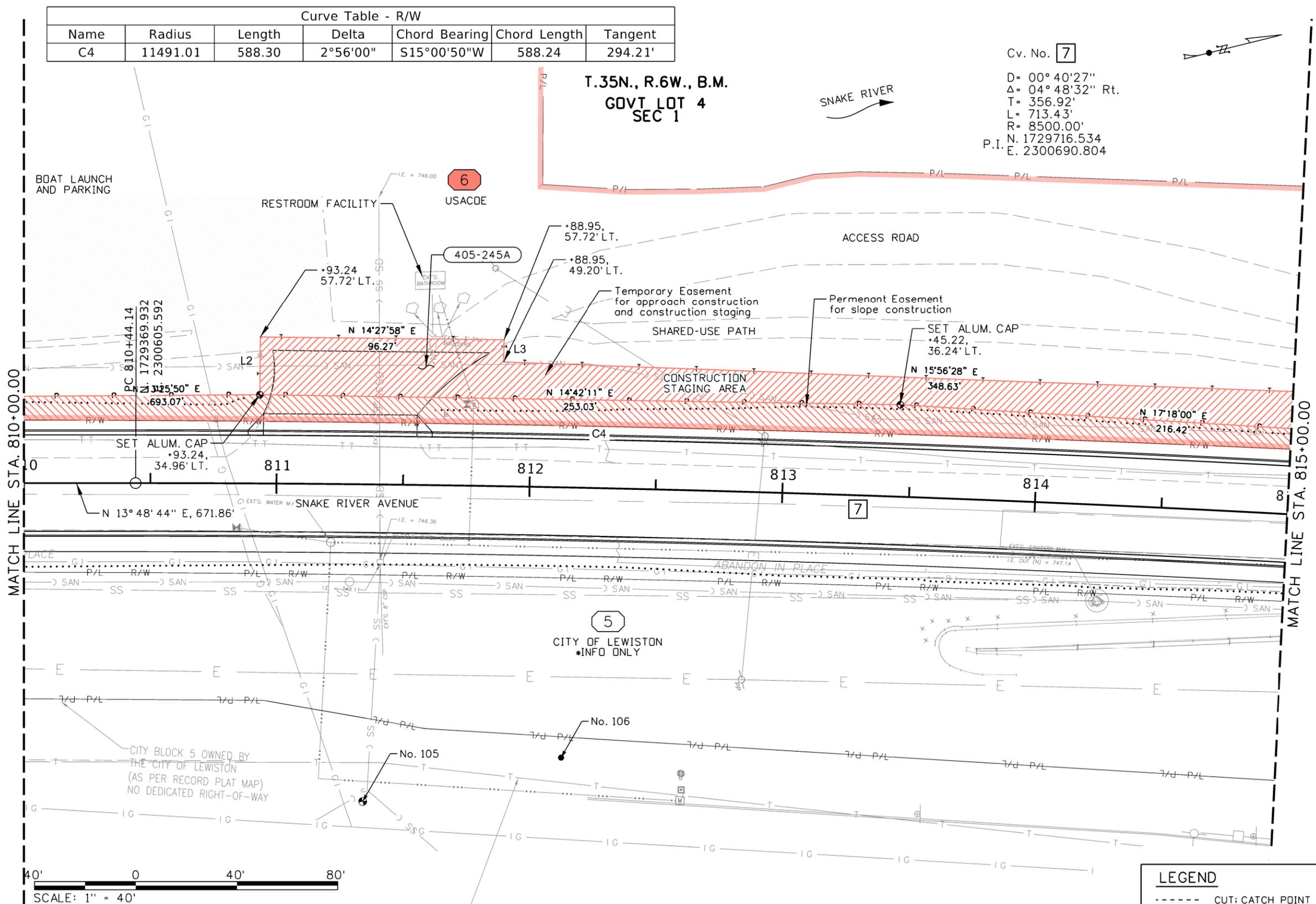
Curve Table - R/W						
Name	Radius	Length	Delta	Chord Bearing	Chord Length	Tangent
C4	11491.01	588.30	2°56'00"	S15°00'50"W	588.24	294.21'

405-245A APPROACH
 1 EA STA. 811+25.00, LT.
 Width = 60.5'

Cv. No. **7**
 D= 00° 40'27"
 Δ= 04° 48'32" Rt.
 T= 356.92'
 L= 713.43'
 R= 8500.00'
 N. 1729716.534
 E. 2300690.804



Line Table		
Line	Bearing	Length
L2	N75°38'06"W	22.76'
L3	N75°14'42"W	8.75'



LEGEND	
-----	CUT: CATCH POINT
.....	FILL: CATCH POINT
-----	BOTTOM OF DITCH

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
 DESIGN CHECKED D. BARKER
 DETAILED P. REMUS
 DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 13443_plan_003.sht
 DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

RIGHT-OF-WAY PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 7 OF 13

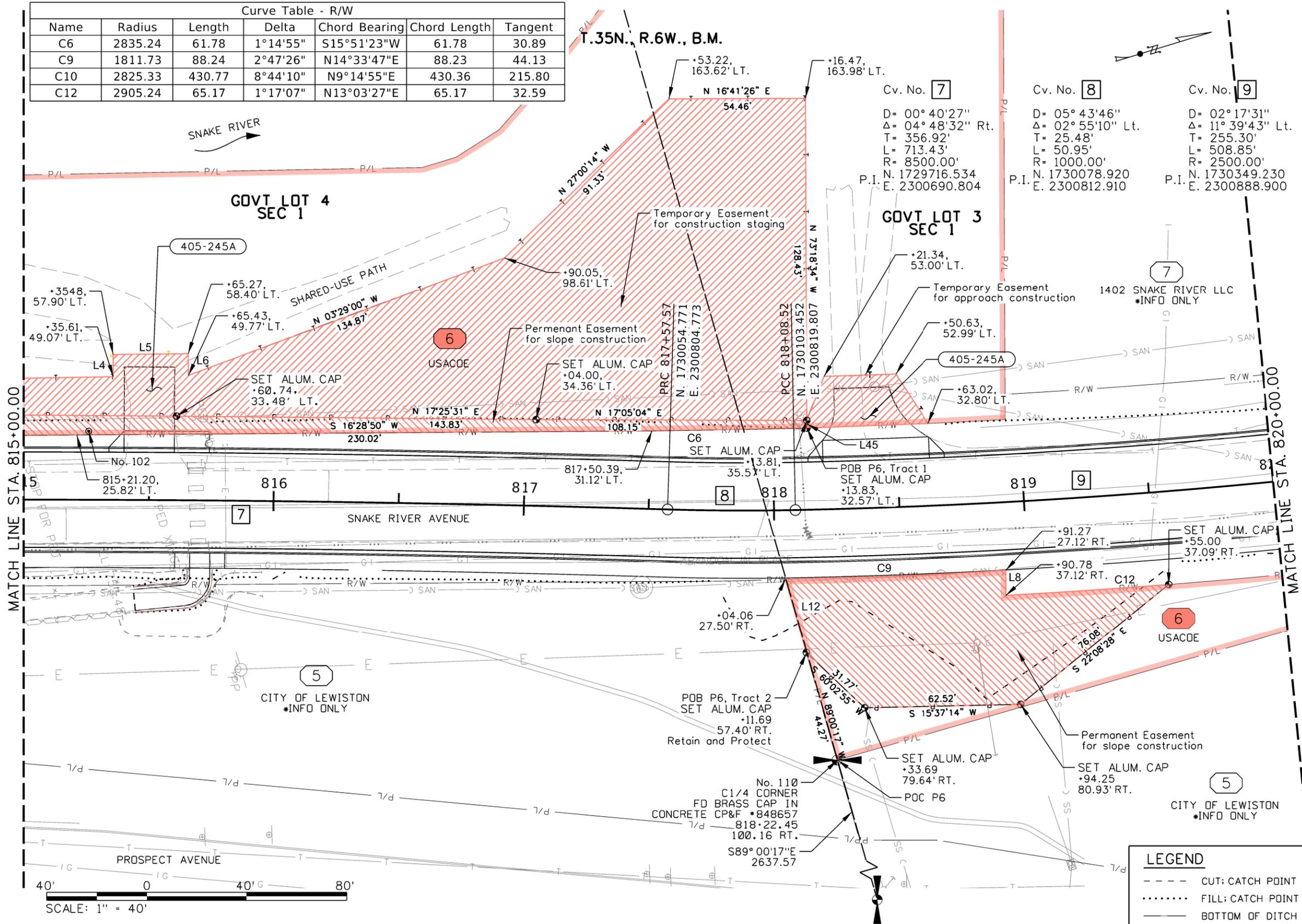


Name	Radius	Length	Delta	Chord Bearing	Chord Length	Tangent
C6	2835.24	61.78	1°14'55"	S15°51'23"W	61.78	30.89
C9	1811.73	88.24	2°47'26"	N14°33'47"E	88.23	44.13
C10	2825.33	430.77	8°44'10"	N9°14'55"E	430.36	215.80
C12	2905.24	65.17	1°17'07"	N13°03'27"E	65.17	32.59

405-245A APPROACH

- 1 EA STA. 815+50.00, LT. Width = 16.0'
- 1 EA STA. 818+38.00, LT. Width = 30.0'

Line	Bearing	Length
L4	N73°43'24"W	8.84'
L5	N16°16'36"E	30.00'
L6	N73°43'24"W	8.67'
L8	S73°21'10"E	10.01'
L12	N89°00'17"W	30.82'
L45	S74°46'05"E	3.00'



---	CUT: CATCH POINT
.....	FILL: CATCH POINT
---	BOTTOM OF DITCH

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID



NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	CADD FILE NAME 13443_plan_004.sht
DETAILED	P. REMUS	DRAWING DATE: 9-JUN-2025
DRAWING CHECKED	B. LISH	

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

RIGHT-OF-WAY PLAN
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

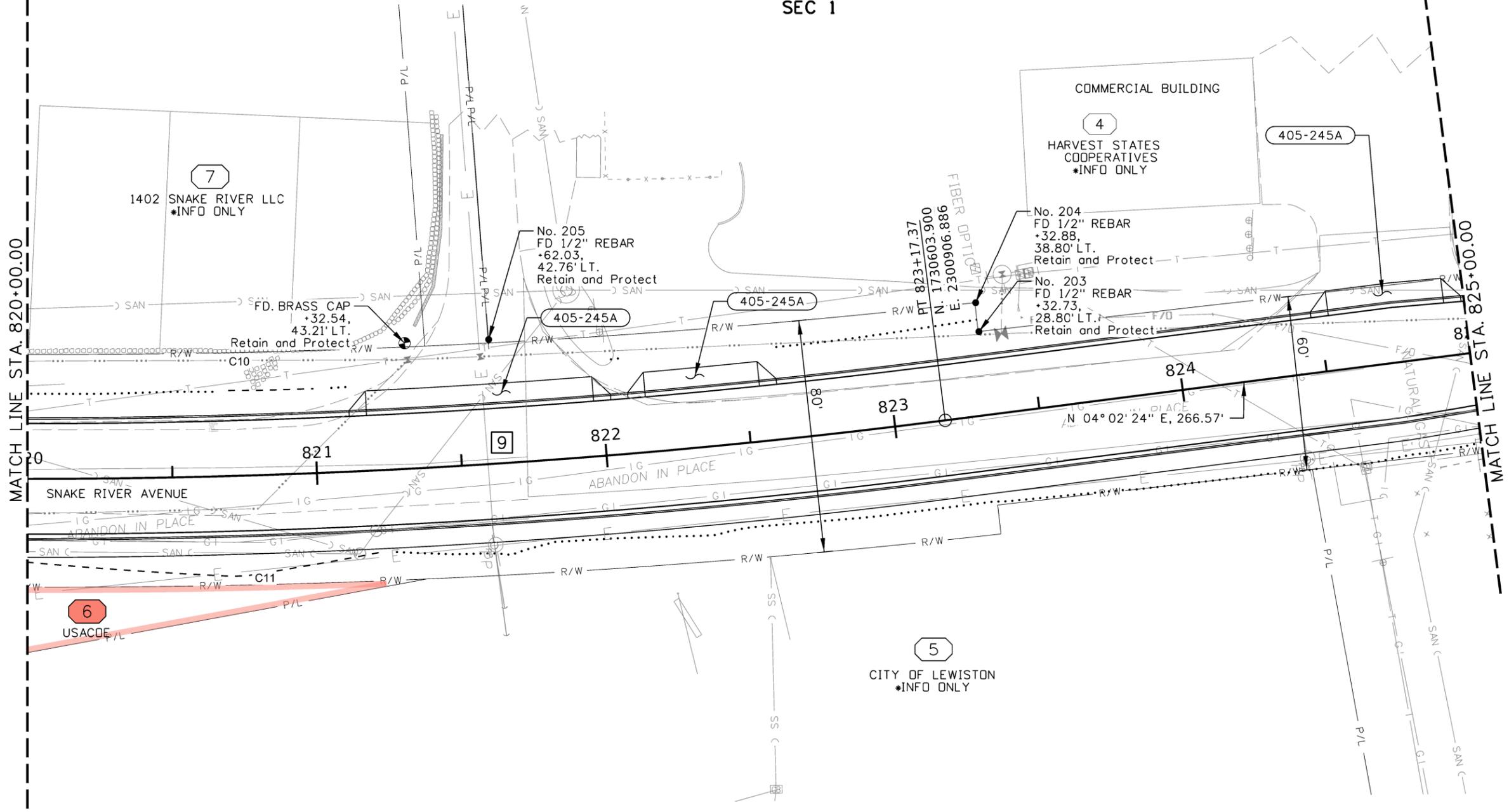
English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 8 OF 13

Curve Table - R/W						
Name	Radius	Length	Delta	Bearing	Chord Length	Tangent
C10	2825.33	430.77	8°44'10"	N09°14'55"E	430.36	215.8
C11	2905.24	447.21	8°49'11"	N13°03'27"E	481.83	224.05

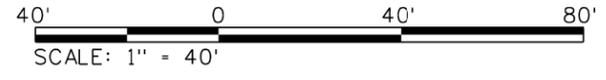
T.35N., R.6W., B.M.
GOVT LOT 3
SEC 1

405-245A APPROACH

1	EA	STA. 821+57.50, LT.	Width = 40.0'
1	EA	STA. 822+35.00, LT.	Width = 40.0'
1	EA	STA. 824+75.00, LT.	Width = 40.0'



NOTES:



Cv. No. 9
 D= 02°17'31"
 Δ= 11°39'43" Lt.
 T= 255.30'
 L= 508.85'
 R= 2500.00'
 P.I. N. 1730349.230
 E. 2300888.900

LEGEND

---	CUT: CATCH POINT
.....	FILL: CATCH POINT
---	BOTTOM OF DITCH

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_plan_005.sht DRAWING DATE: 9-JUN-2025
NO.	DATE	BY	DESCRIPTION	K. ARNZEN	
				D. BARKER	
				P. REMUS	
				B. LISH	

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.	RIGHT-OF-WAY PLAN
A013(443)	SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE

English

COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET	9 OF 13

PROFESSIONAL LAND SURVEYOR

LICENSED

18781

06-09-2025

STATE OF IDAHO

BRIAN T. LISH

T.35N., R.6W., B.M.
GOVT LOT 3
SEC 1

Cv. No. 10
D= 01° 23' 51"
Δ= 00° 25' 31" Lt.
T= 15.22'
L= 30.43'
R= 4100.00'
N. 1730884.989
E. 2300926.738

4
HARVEST STATES
COOPERATIVES
*INFO ONLY

PC 825+83.94
N. 1730869.812
E. 2300925.666
PT 826+14.37
N. 1730900.174
E. 2300927.698

POT 828+63.93
N. 1731149.236
E. 2300943.431

No. 202
FD 1/2" REBAR
+91.72, 26.47' LT.
Retain & Protect

No. 109
FD 1/2" REBAR
+04.16, 41.40' RT.
Retain & Protect

Retain & Protect
Retaining Wall
31.26'

Retain & Protect
Trailer
52.87' RT.

SET ALUM. CAP
+98.53, 38.70' RT.
20.63'
S12°49'02"W

405-245A APPROACH

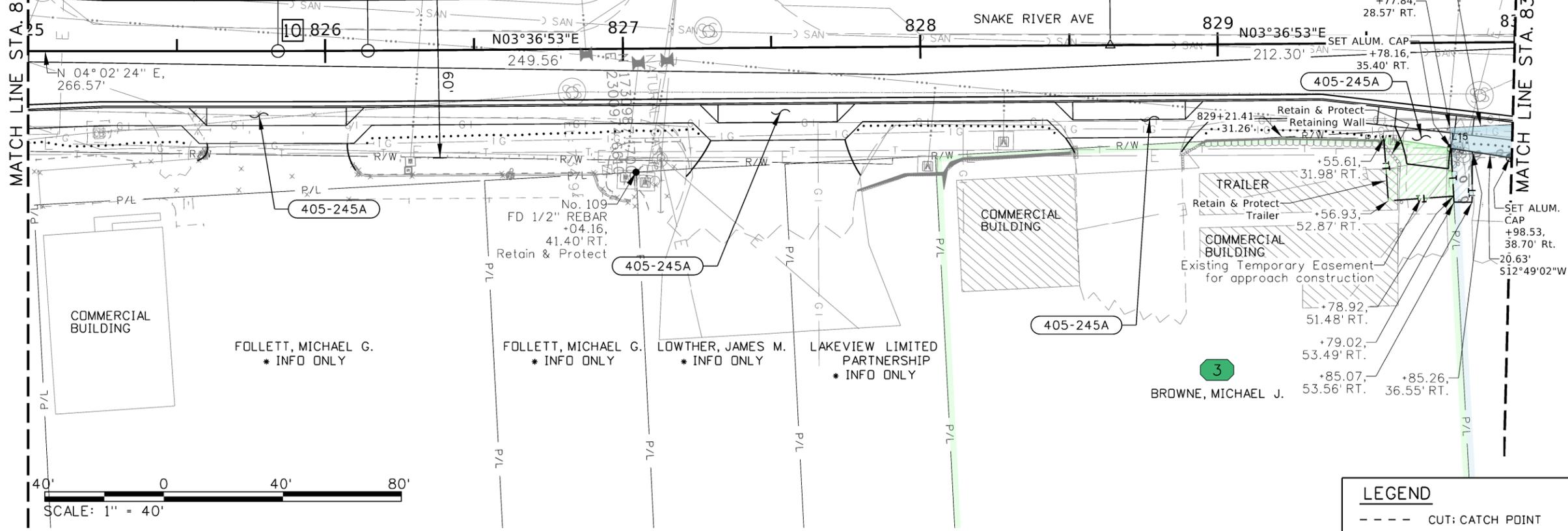
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1	EA	STA. 827+23.00, LT.	Width = 30.0'
1	EA	STA. 827+52.00, RT.	Width = 40.0'
1	EA	STA. 828+71.00, RT.	Width = 38.0'
1	EA	STA. 829+04.00, LT.	Width = 40.0'
1	EA	STA. 829+71.00, RT.	Width = 15.0'

Line Table

Line	Bearing	Length
L15	S89°05'44"E	6.84'

MATCH LINE STA. 825+00.00

MATCH LINE STA. 830+00.00



NOTES:

LEGEND

---	CUT: CATCH POINT
.....	FILL: CATCH POINT
—	BOTTOM OF DITCH

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN
DESIGN CHECKED D. BARKER
DETAILED P. REMUS
DRAWING CHECKED B. LISH

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 13443_plan_006.sht.DGN
DRAWING DATE: 9-JUN-2025

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO. A013(443)

RIGHT-OF-WAY PLAN
SNAKE RIVER AVE
SOUTHWAY BR TO 11TH AVE

English
COUNTY NEZ PERCE
KEY NUMBER 13443
SHEET 10 OF 13

PROFESSIONAL LAND SURVEYOR
LICENSED
18781
06-09-2025
STATE OF IDAHO
BRIAN T. LISH

Cv. No. **11**
 D= 01° 23'51"
 Δ= 01° 06'21" Rt.
 T= 39.57'
 L= 79.13'
 R= 4100.00'
 N. 1731400.601
 E. 2300959.310

Cv. No. **12**
 D= 01° 23'51"
 Δ= 02° 47'51" Rt.
 T= 100.11'
 L= 200.18'
 R= 4100.00'
 N. 1731729.266
 E. 2300986.449

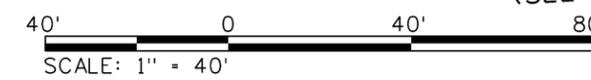
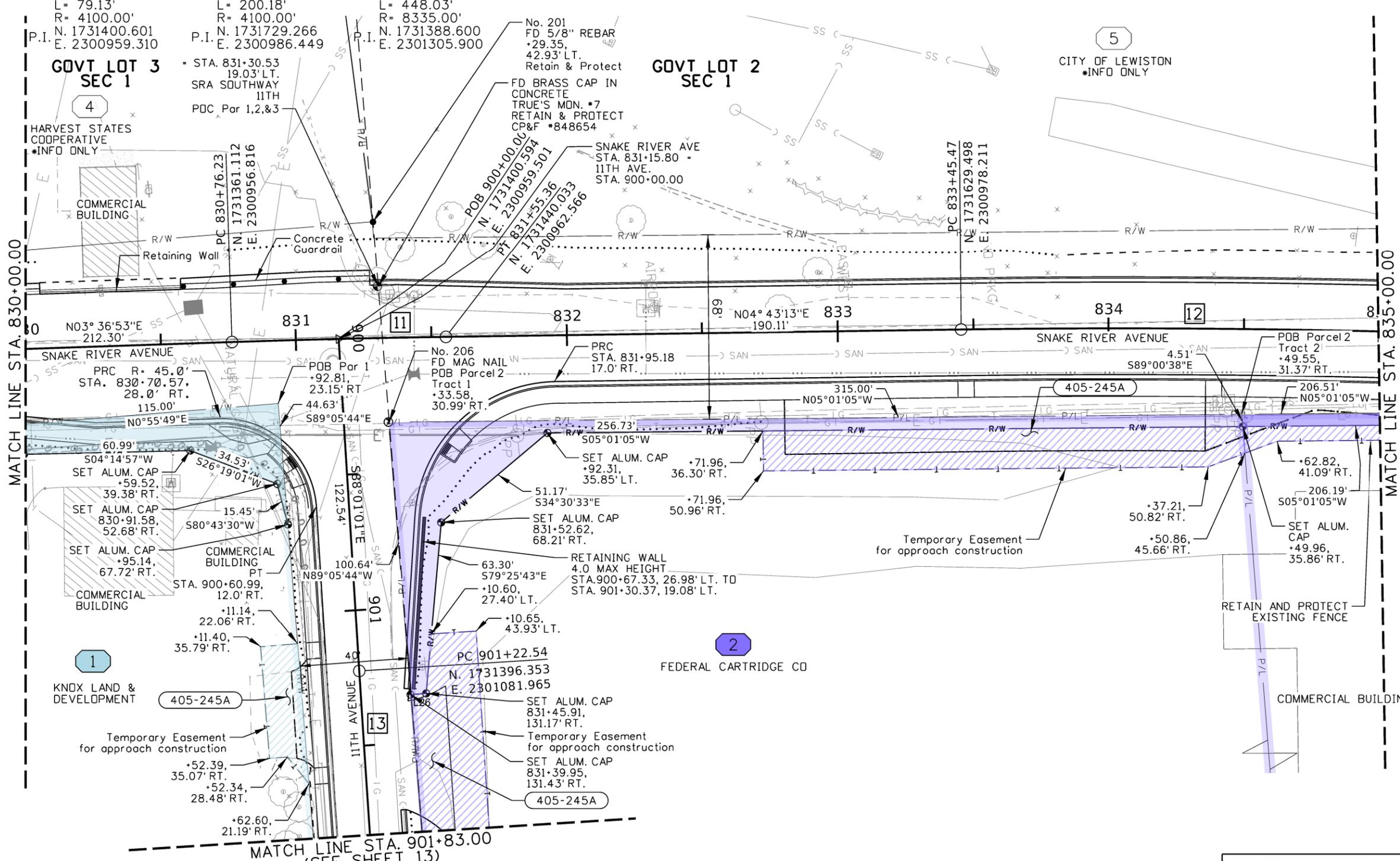
Cv. No. **13**
 D= 00° 41'15"
 Δ= 03° 04'47" Lt.
 T= 224.07'
 L= 448.03'
 R= 8335.00'
 N. 1731388.600
 E. 2301305.900

T.35N., R.6W., B.M.

405-245A APPROACH

- 1 EA STA. 901+33.00, RT. Width = 40.0'
- 1 EA STA. 901+47.00, LT. Width = 40.0'
- 1 EA STA. 833+95.00, RT. Width = 86.0'

L26 S01°54'57"W 5.78'



LEGEND

- CUT: CATCH POINT
- FILL: CATCH POINT
- BOTTOM OF DITCH

NOTES:

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED D. BARKER	CADD FILE NAME 13443_plan_007.sht
DETAILED P. REMUS	DRAWING DATE: 9-JUN-2025
DRAWING CHECKED B. LISH	

IDAHO TRANSPORTATION DEPARTMENT

Horrocks.

PROJECT NO.
A013(443)

RIGHT-OF-WAY PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 11 OF 13

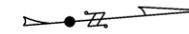


Cv. No. 12

D= 00° 23' 51"
 Δ= 02° 47' 51" Rt.
 T= 100.11'
 L= 200.18'
 R= 4100.00'
 P.I. N. 1731729.266
 E. 2300986.449

T.35N., R.6W., B.M.

GOVT LOT 2
 SEC 1



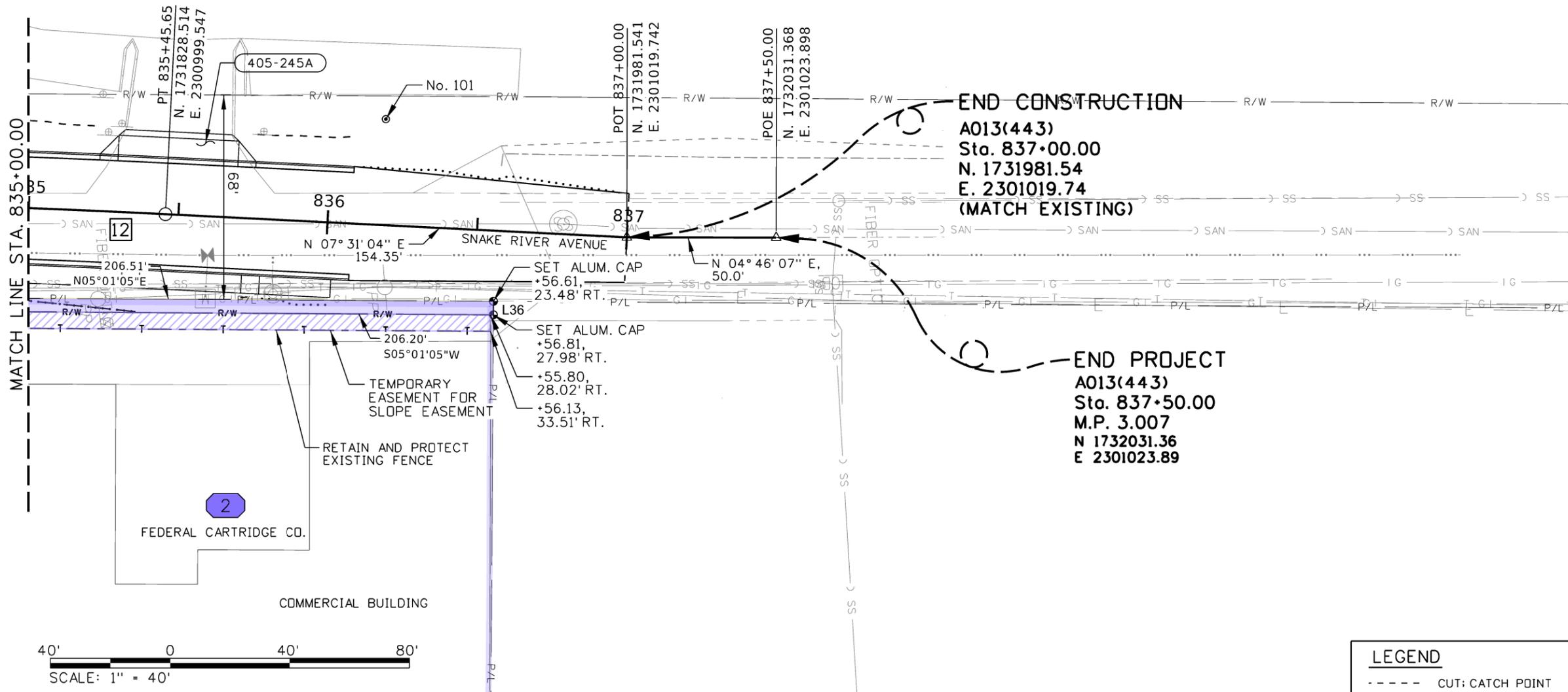
405-245A APPROACH

1 EA STA. 835+50.00, LT.
 Width = 40.0'

Line Table		
Line	Bearing	Length
L36	S84°59'11"E	4.50'

5

CITY OF LEWISTON
 *INFO ONLY



NOTES:

LEGEND	
-----	CUT: CATCH POINT
.....	FILL: CATCH POINT
—————	BOTTOM OF DITCH

ORIGINAL STORED
 AT: ITD, District 2
 2600 North &
 South Highway,
 Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	D. BARKER	
DETAILED	P. REMUS	CADD FILE NAME 13443_plan_008.sht
DRAWING CHECKED	B. LISH	DRAWING DATE: 9-JUN-2025

**IDAHO
 TRANSPORTATION
 DEPARTMENT**



 **Horrocks.**

PROJECT NO.	A013(443)
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RIGHT-OF-WAY PLAN	
SNAKE RIVER AVE SOUTHWAY BR TO 11TH AVE	

English	
COUNTY	NEZ PERCE
KEY NUMBER	13443
SHEET 12 OF 13	

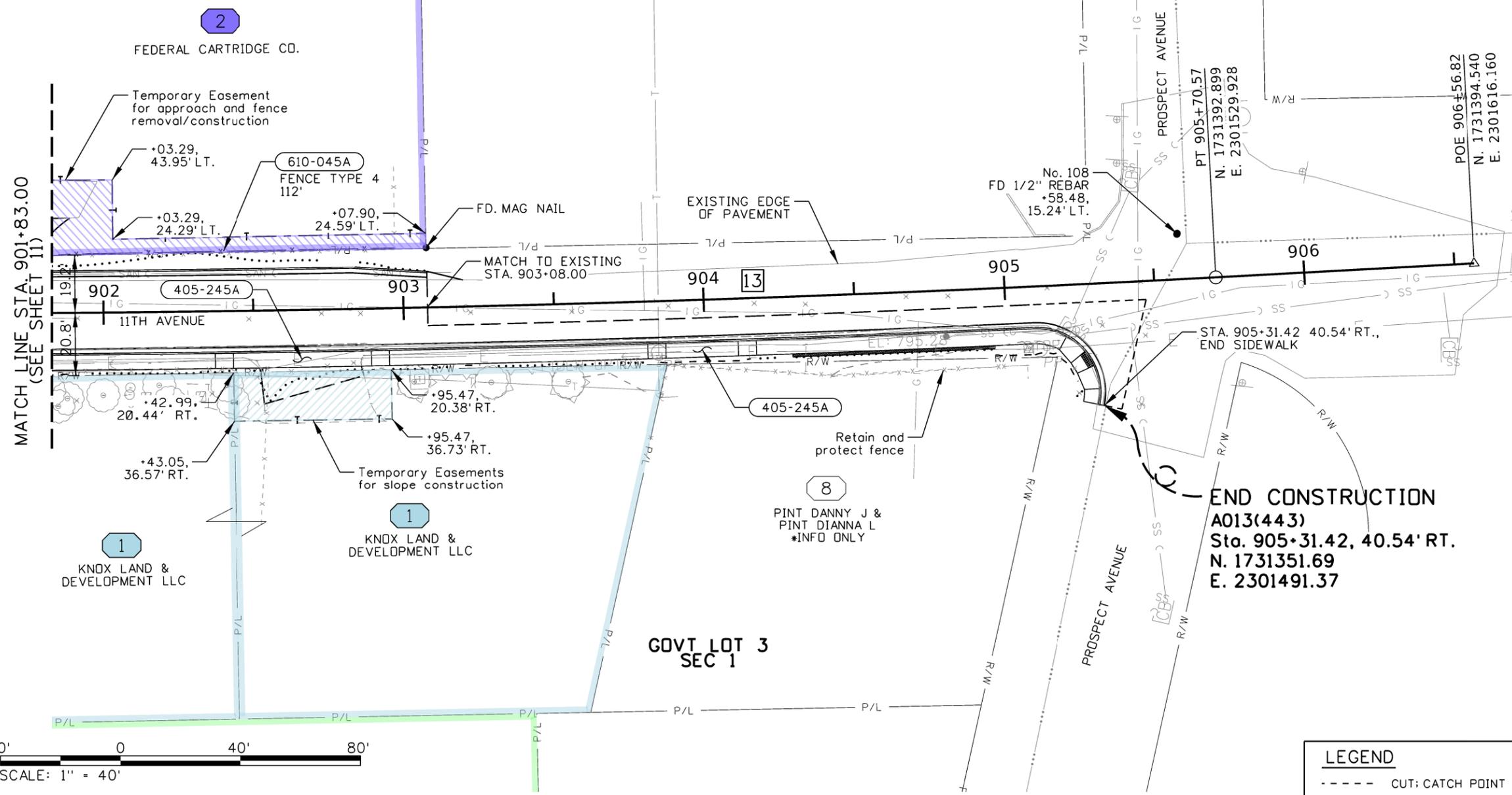


\$\$\$FILES\$\$\$

Cv. No. **13**
 D= 00° 41'15"
 Δ= 03° 04'47" Lt.
 T= 224.07'
 L= 448.03'
 R= 8335.00'
 N. 1731388.600
 P.I. E. 2301305.900

T.35N., R.6W., B.M.
 GOVT LOT 2
 SEC 1

- 405-245A** APPROACH
 - 1 EA STA. 902+66.00, RT. Width = 46.0'
 - 1 EA STA. 903+99.00, RT. Width = 24.0'
- 610-045A** FENCE TYPE 4
 - 112' FT STA. 901+85.11, LT. TO STA. 902+97.38, LT.



END CONSTRUCTION
A013(443)
 Sta. 905+31.42, 40.54' RT.,
 N. 1731351.69
 E. 2301491.37

LEGEND

- CUT: CATCH POINT
- FILL: CATCH POINT
- BOTTOM OF DITCH

ORIGINAL STORED AT: ITD, District 2 2600 North & South Highway, Lewiston, ID

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED K. ARNZEN	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 13443_plan_009.sht DRAWING DATE: 9-JUN-2025
DESIGN CHECKED D. BARKER	
DETAILED P. REMUS	
DRAWING CHECKED B. LISH	

IDAHO TRANSPORTATION DEPARTMENT



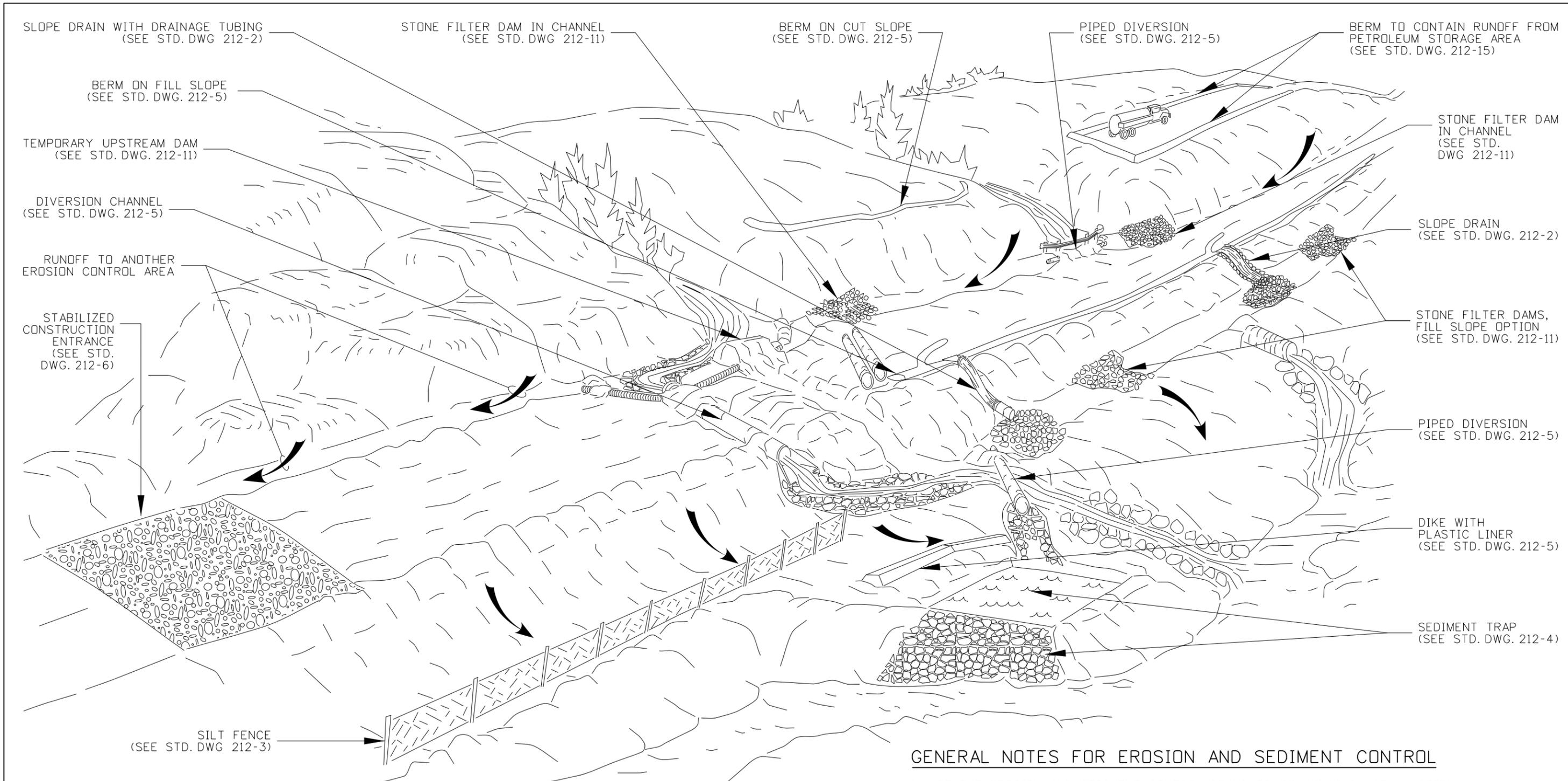
Horrocks.

PROJECT NO.
A013(443)

RIGHT-OF-WAY PLAN
 SNAKE RIVER AVE
 SOUTHWAY BR TO 11TH AVE
 901+83.00 906+56.97

English
 COUNTY NEZ PERCE
 KEY NUMBER 13443
 SHEET 13 OF 13





GENERAL NOTES FOR EROSION AND SEDIMENT CONTROL

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

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

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

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

IDAHO TRANSPORTATION DEPARTMENT

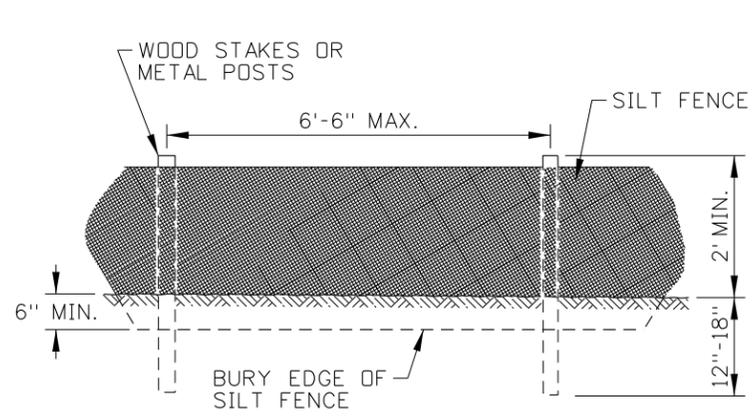


BOISE IDAHO

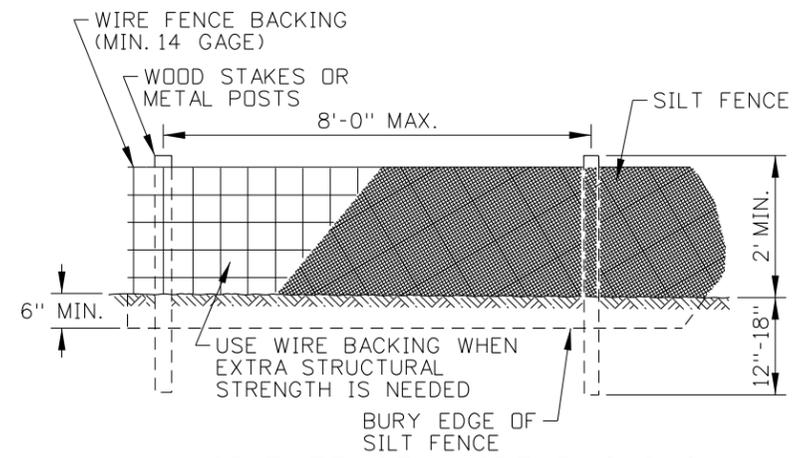
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
EROSION AND SEDIMENT CONTROL
 EXAMPLE APPLICATIONS

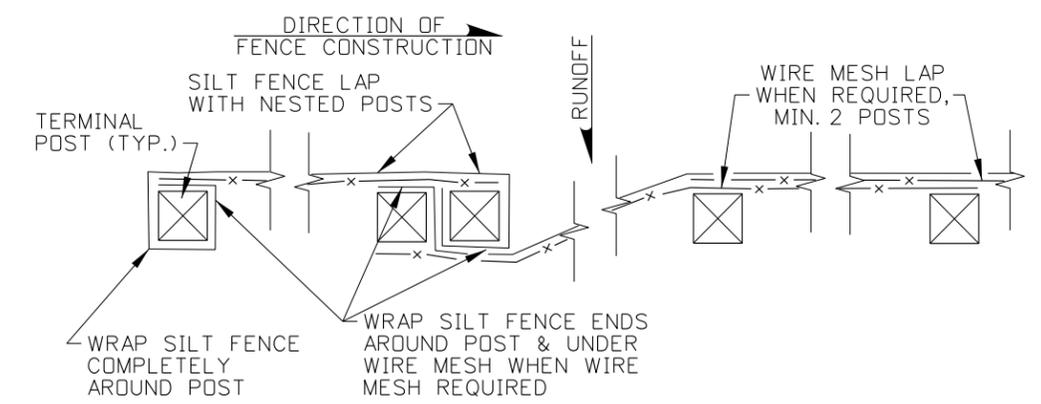
English
 STANDARD DRAWING NO.
 212-1
 SHEET 1 OF 1



SILT FENCE (NO WIRE BACKING)



SILT FENCE (WIRE BACKING)



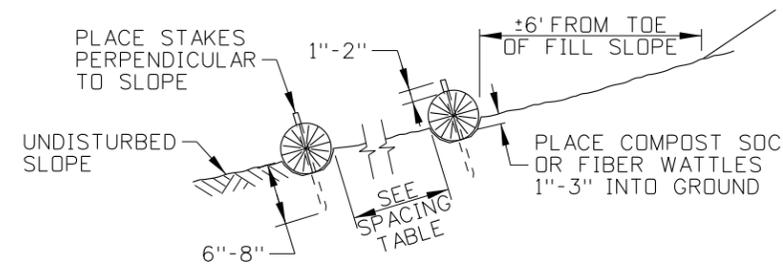
SILT FENCE LAP DETAIL

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

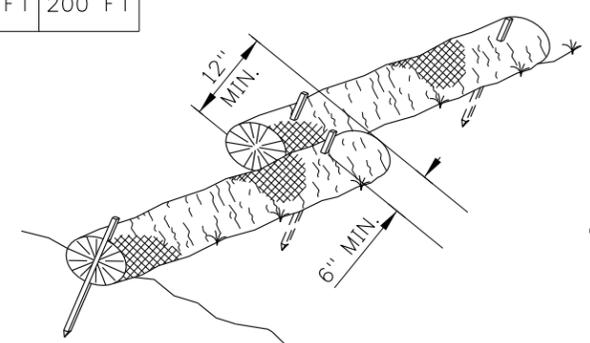
SLOPE	SOIL TYPE		
	SILTY	CLAYS	SANDY
1:1	50 FT	75 FT	100 FT
2:1	75 FT	100 FT	125 FT
4:1	100 FT	125 FT	150 FT
10:1 OR FLATTER	125 FT	150 FT	200 FT

NOTES

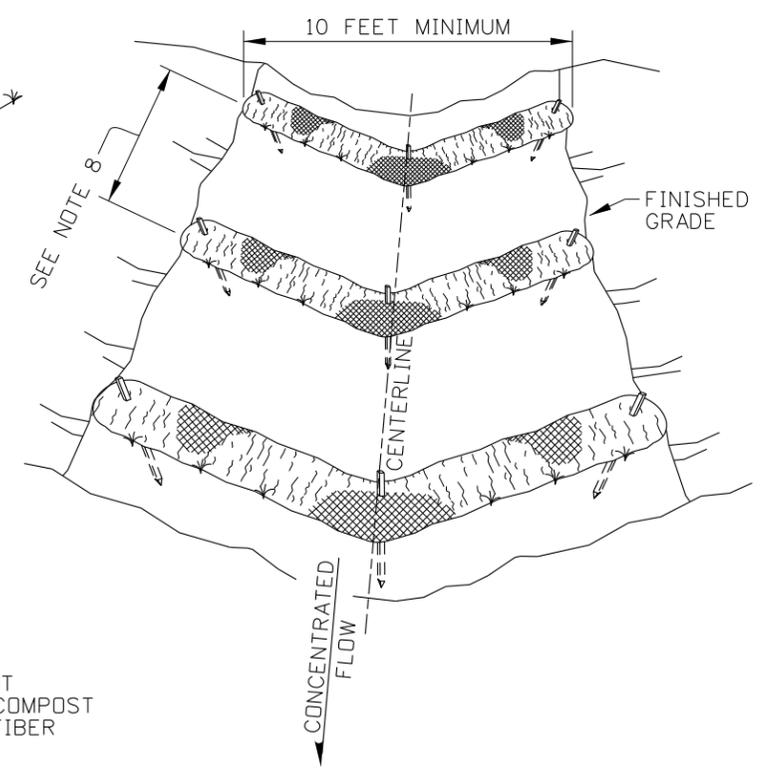
- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- THE NEED FOR TEMPORARY SEDIMENT CONTROL DEVICES ARE DETERMINED BY SITE DESIGN. SPACE SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES IN ACCORDANCE WITH THE SILT FENCE SPACING TABLE AND FIBER WATTLE & COMPOST SOCK SPACING TABLE.
-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



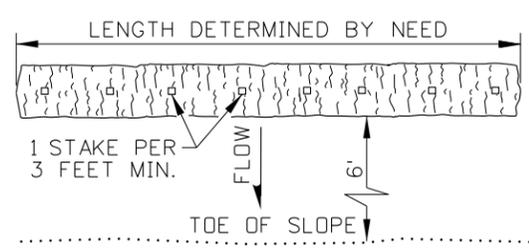
COMPOST SOCK AND FIBER WATTLE SIDE VIEW



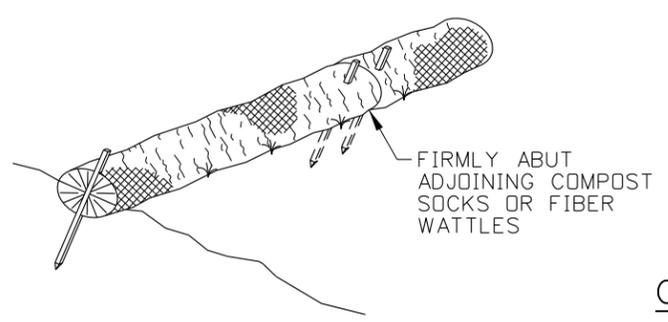
COMPOST SOCK AND FIBER WATTLE OVERLAPPING DETAIL



COMPOST SOCK AND FIBER WATTLE TEMPORARY CHECK DAM DETAIL



COMPOST SOCK AND FIBER WATTLE PLAN VIEW



COMPOST SOCK AND FIBER WATTLE ABUTTING DETAIL

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

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

IDAHO TRANSPORTATION DEPARTMENT

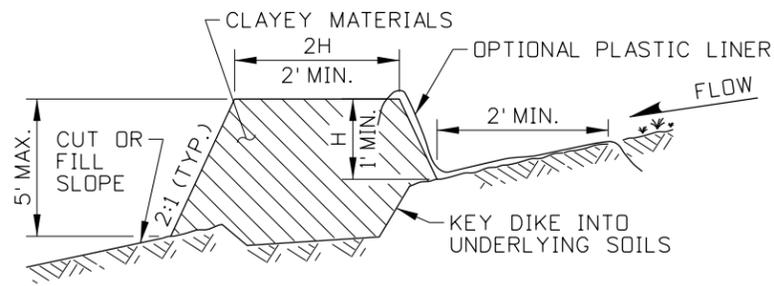
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

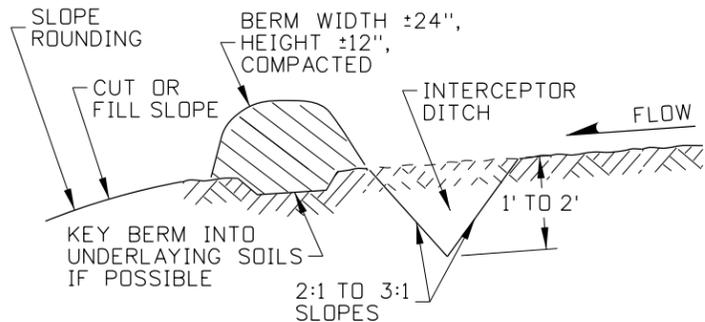
STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
 SILT FENCE, FIBER WATTLE, AND COMPOST SOCK
 REQUIRES STD. DWG. 212-1

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

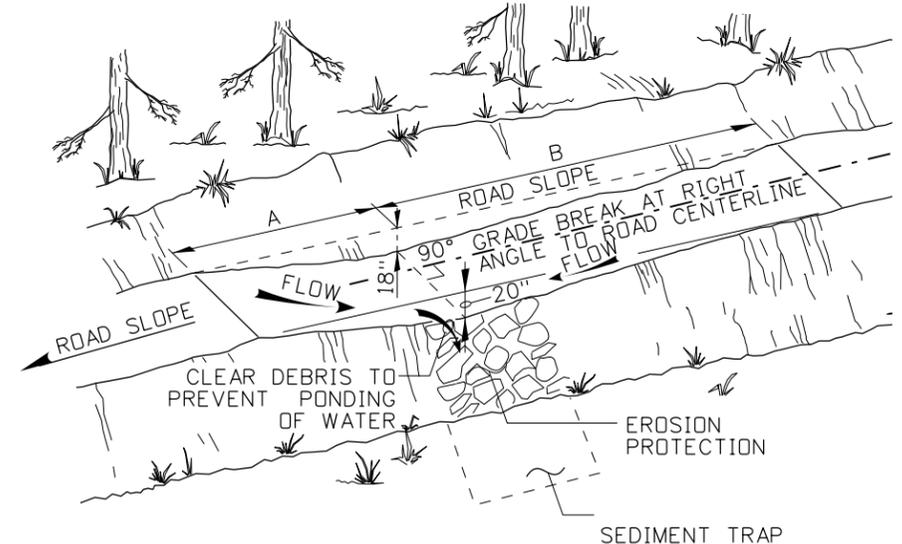
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



DIKE

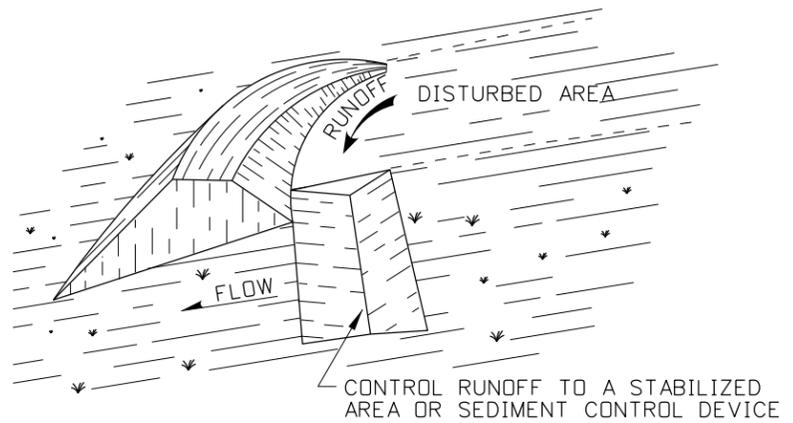


**BERM
SHOWN WITH INTERCEPTOR DITCH**

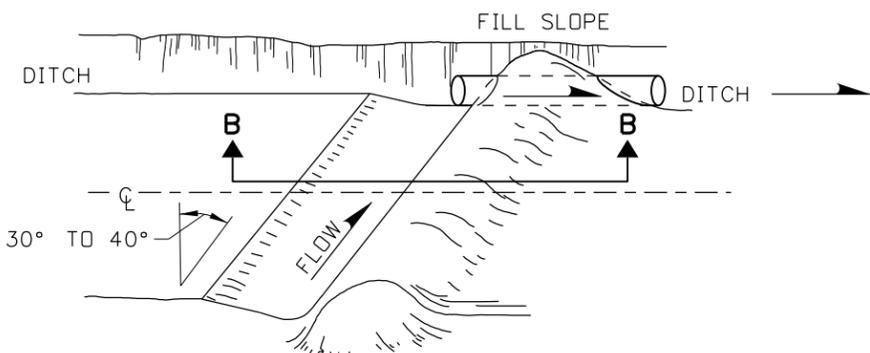


ROLLING DIP

ROLLING DIP DIMENSION TABLE		
% ROAD SLOPE	A (DOWNHILL)	B (UPHILL)
0% TO 4%	35'	65'
4% TO 6%	25'	75'



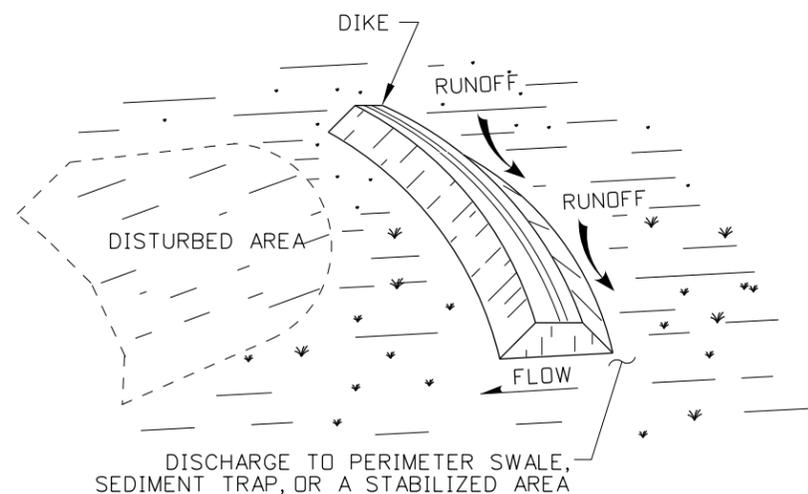
PERIMETER DIKE



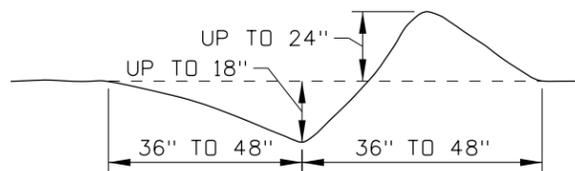
WATERBAR

NOTES

- SEE THE GENERAL NOTES FOR TEMPORARY EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- CONSTRUCT DIVERSION CHANNELS, DITCHES, SWALES, DIKES, BERMS, WATER BARS, AND ROLLING DIPS TO THE DIMENSIONS SHOWN ON THE PLANS. USE A PLASTIC LINER WHEN RUNOFF IS NOT INTENDED TO INFILTRATE INTO THE SOIL.
- WHEN USING A DIVERSION CHANNEL, CONSTRUCT A TEMPORARY DAM TO DIVERT WATER INTO THE CHANNEL. A TEMPORARY DOWNSTREAM DAM IS OPTIONAL AND MAY BE USED TO PREVENT WATER FROM RETURNING TO THE UPSTREAM WORK AREA.
- USE DIVERSION DITCHES WITH CLEAR WATER. USE A DIVERSION CHANNEL WHEN THE FLOW EXCEEDS 0.25 CUBIC FEET PER SECOND.
- INSTALL A PLASTIC LINER ALONG THE LENGTH AND WIDTH OF DIVERSION CHANNELS AND DITCHES. OVERLAP THE PLASTIC LINER EDGES 2 FEET. SECURE THE PLASTIC LINER EDGES WITH BERMS, ROCKS, OR OTHER SUITABLE MATERIALS.
- THE RECOMMENDED MAXIMUM DRAINAGE AREA FOR GRASSED SWALES IS 1 ACRE. THE RECOMMENDED MAXIMUM DRAINAGE AREA CONTRIBUTING RUNOFF TO A DIKE, SWALE OR COMBINATION THEREOF SHOULD NOT EXCEED 5 ACRES.
- USE DIKES WHEN BERMS ARE NOT SUFFICIENT TO CONTROL RUNOFF. COMPACT DIKES TO 90 PERCENT OF STANDARD DENSITY.
- DIVERT COLLECTED RUNOFF, INTERCEPTED RUNOFF, OR BOTH FROM A BERM, DIKE, SWALE OR COMBINATION THEREOF TO A SEDIMENT CONTROL DEVICE OR STABILIZED AREA.
- ENSURE THAT THE SIDE SLOPES OF A DIKE OR SWALE WITHIN THE CLEAR ZONE ARE 6:1 OR FLATTER UNLESS SHIELDED.
- DRAWING NOT TO SCALE.



INTERCEPTOR DIKE



SECTION B-B

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

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



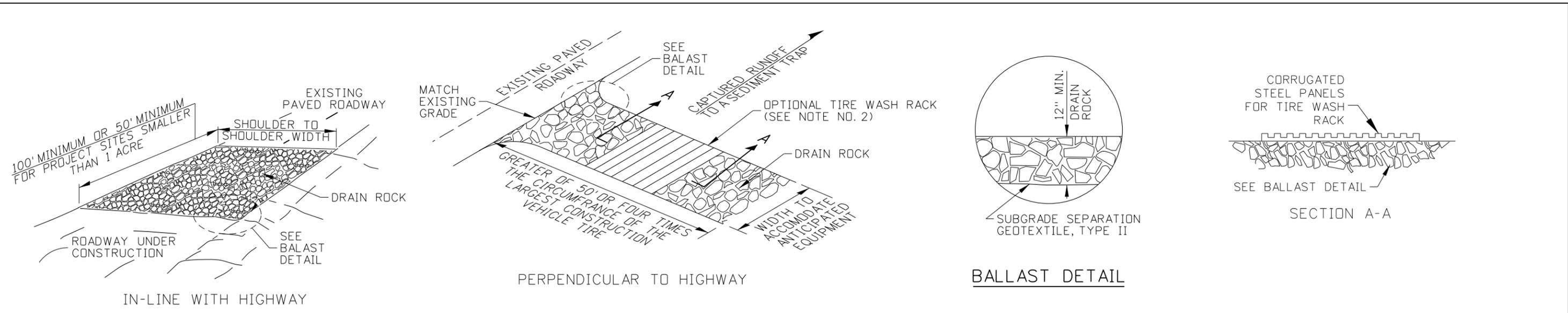
BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

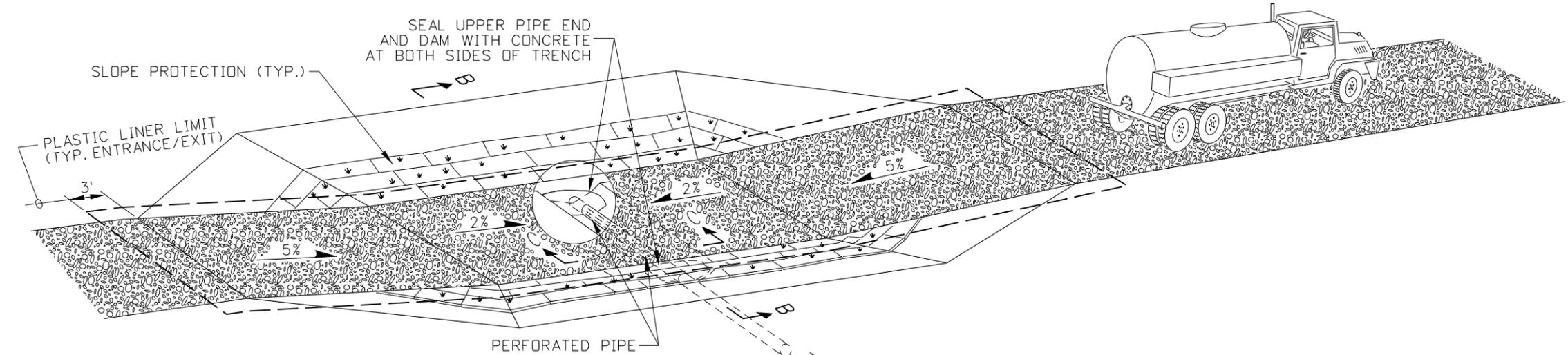
STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
DIVERSION CHANNEL, DITCH, SWALE, DIKE, BERM, WATERBAR, AND ROLLING DIP
REQUIRES SHT. 1 OF 2 & STD. DWG. 212-1

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

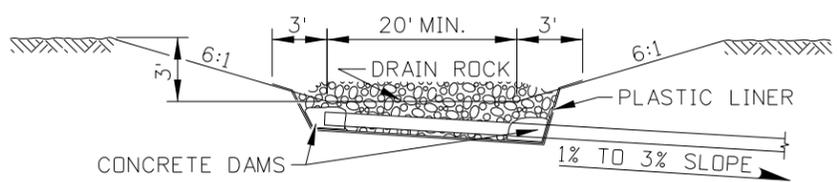




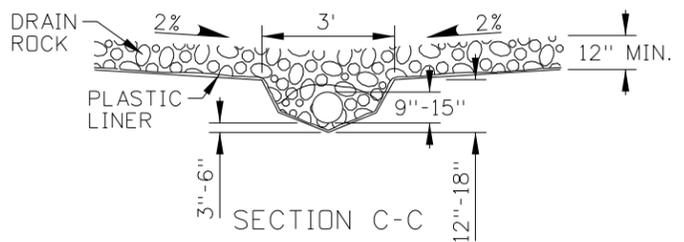
STABILIZED CONSTRUCTION ENTRANCE



VEHICLE AND EQUIPMENT WASHDOWN



SECTION B-B



SECTION C-C

NOTES

1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. 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	03-21	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-06_0421.dgn
 DRAWING DATE: NOVEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT

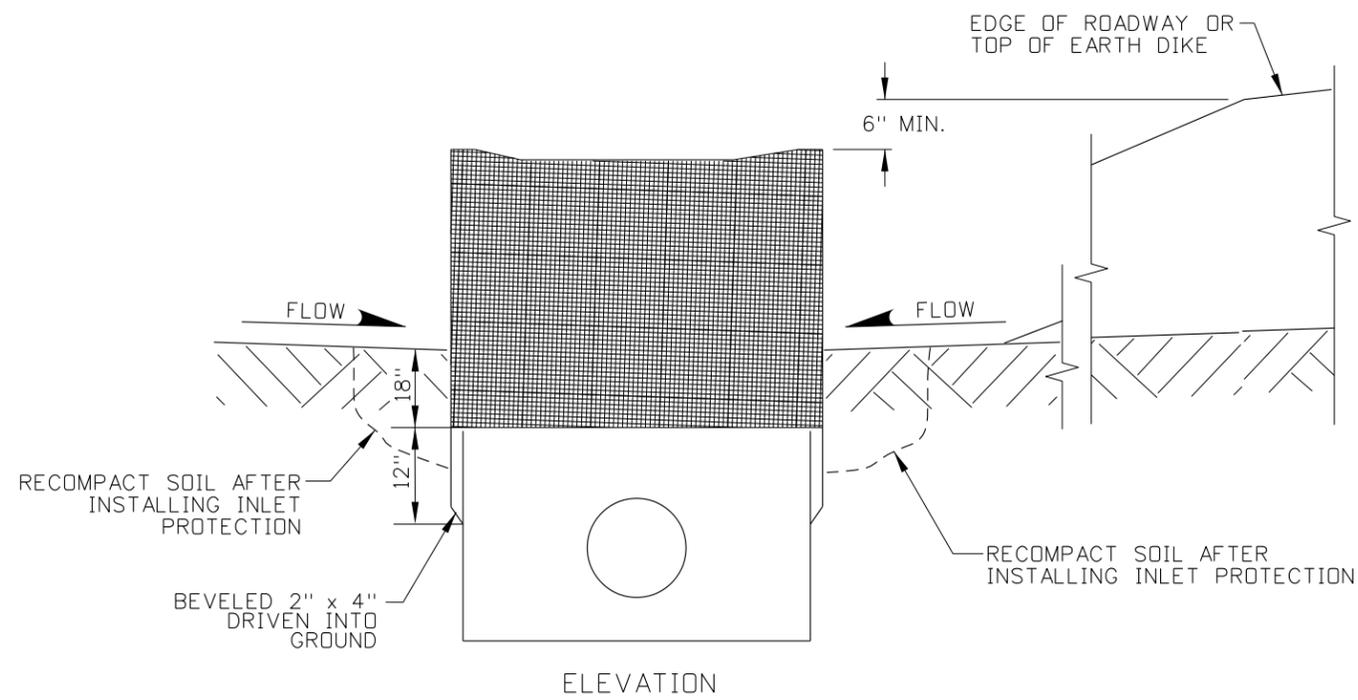


BOISE IDAHO

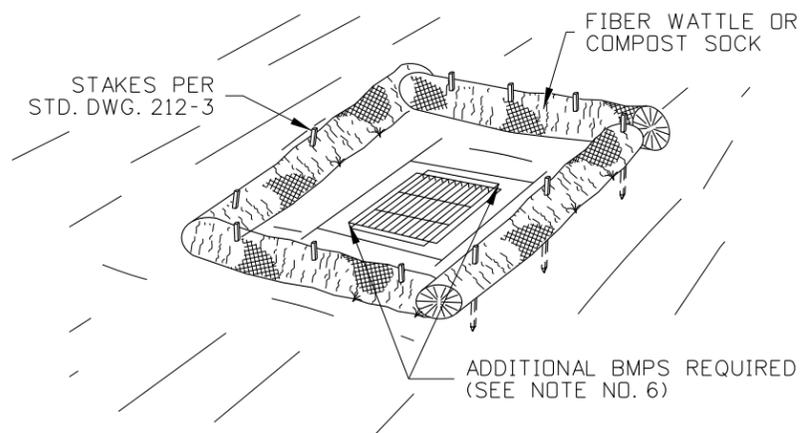
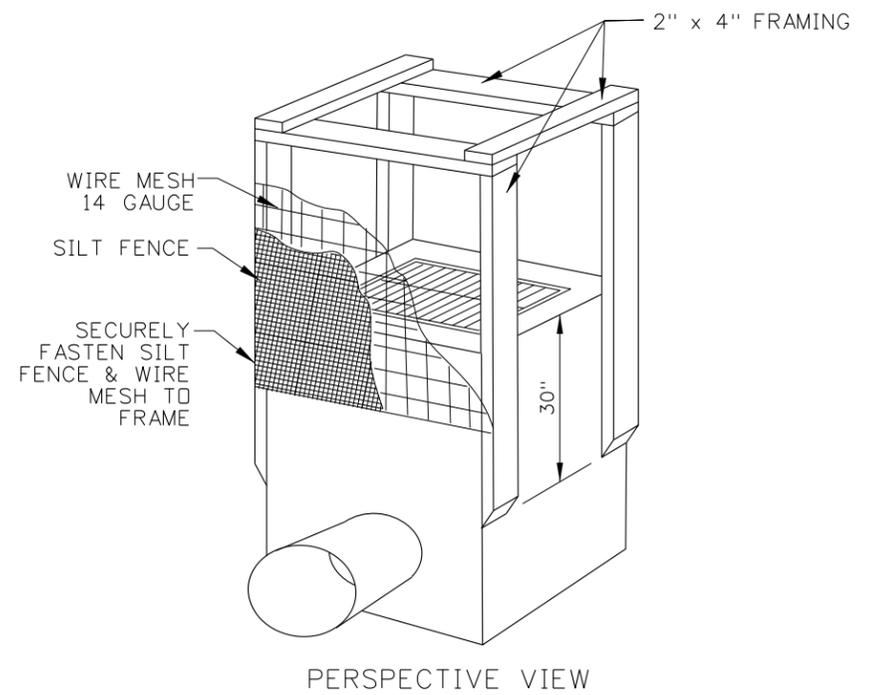
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
STABILIZED CONSTRUCTION ENTRANCE AND VEHICLE WASHDOWN
 REQUIRES STD. DWG. 212-1

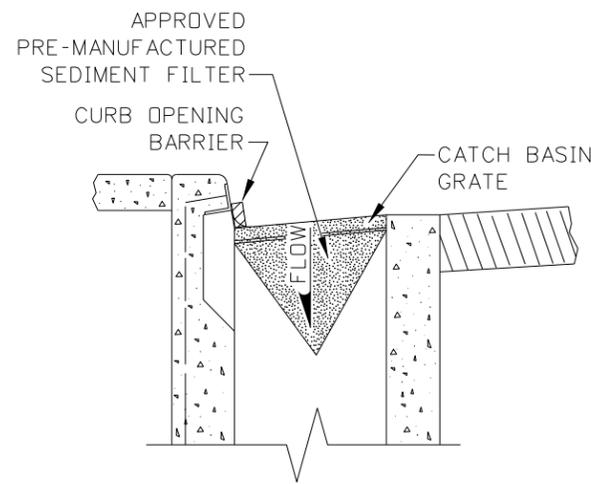
English
 STANDARD DRAWING NO.
212-6
 SHEET 1 OF 1



FRAMED WIRE/FABRIC FILTER



FIBER WATTLE FILTER



PRE-MANUFACTURED SEDIMENT FILTER FOR INLET GRATE

NOTES

1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. REMOVE TRASH, DEBRIS, DUFF, AND MATERIALS THAT MAY INTERFERE WITH THE INLET OR CATCH BASIN PROTECTION FUNCTION PRIOR TO PLACEMENT AND DAILY THEREAFTER OR AS NEEDED.
3. ADJUST TO ENSURE EFFECTIVENESS.
4. FRAMED WIRE/FABRIC FILTER AND FIBER WATTLE FILTERS ARE INTENDED TO BE USED ON STRUCTURES NOT PRESENTLY SURROUNDED BY PAVEMENT.
5. ENSURE WATER DISCHARGING FROM THE INLET MEETS APPLICABLE WATER QUALITY STANDARDS.
6. USE IN CONJUNCTION WITH OTHER INLET PROTECTION DEVICES, NOT AS THE SOLE BMP. SEE SECTION SC-6 IN THE BMP MANUAL.
7. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	10-10	KEH						
2	10-11	KEH						
3	01-13	RDL						
4	03-21	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-07_0421.dgn
 DRAWING DATE: JUNE, 1996

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL INLET PROTECTION
 REQUIRES STD. DWG. 212-1

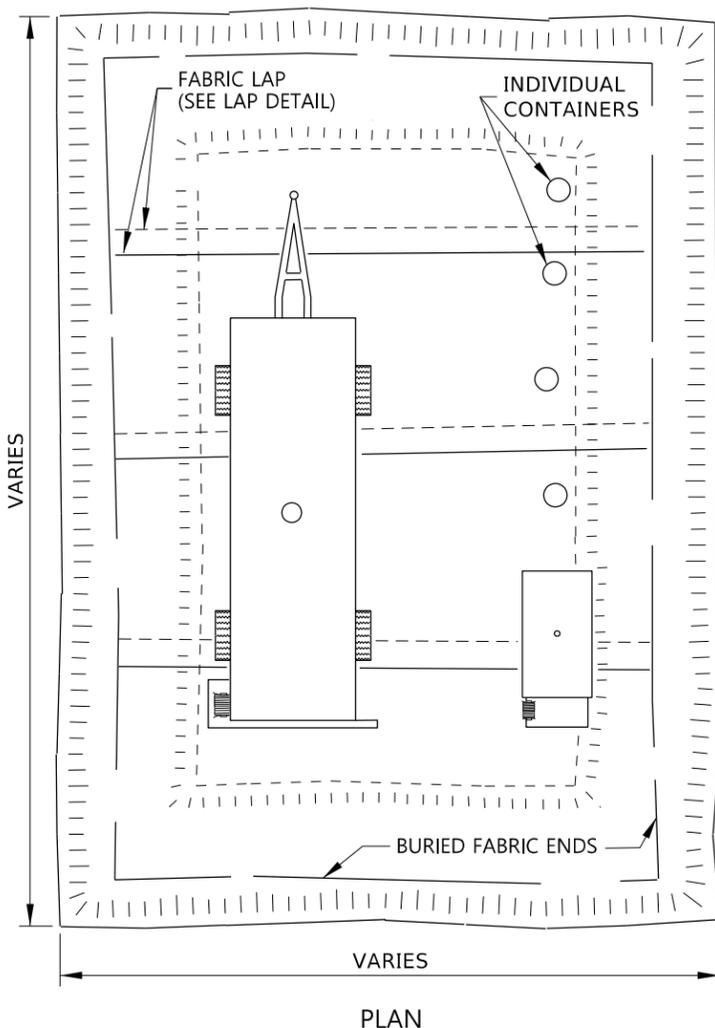
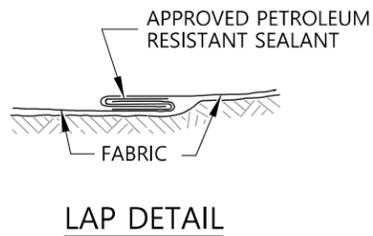
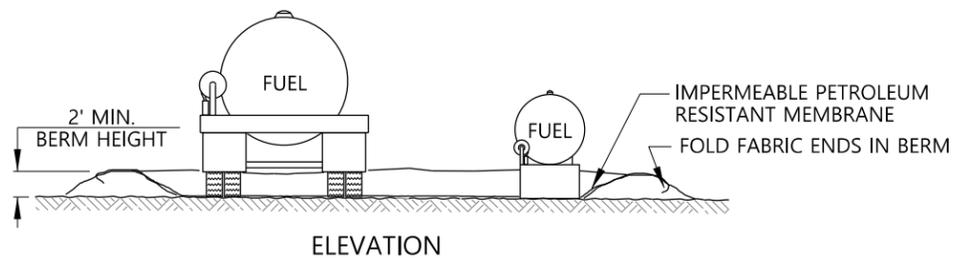
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

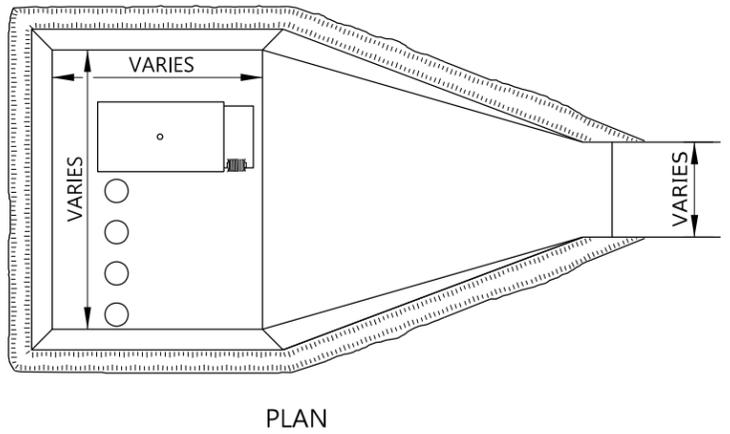
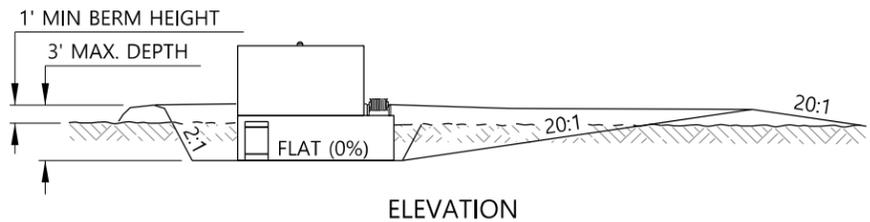
STANDARD DRAWING NO. **212-7**

SHEET 1 OF 1





PETROLEUM STORAGE AREA - TYPE 1



PETROLEUM STORAGE AREA - TYPE 2

NOTES

1. USE THIS DRAWING IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES 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

BOISE IDAHO

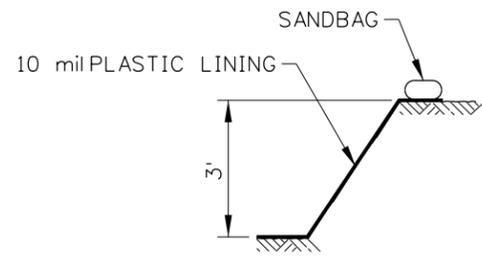
ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

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

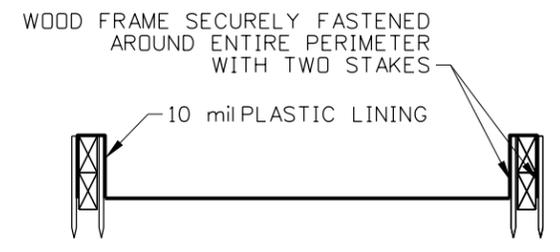
ENGLISH
 STANDARD DRAWING NO. 212-15
 SHEET 1 OF 1

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

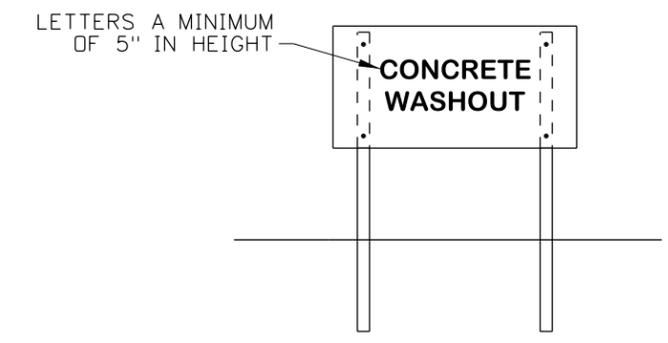
PROFESSIONAL ENGINEER
 LICENSED
 ORIGINAL SIGNED BY
 RYAN D. LANCASTER
 DATE OF ORIGINAL SIGNATURE
 MARCH 1, 2023
 STATE OF IDAHO
 RYAN D. LANCASTER



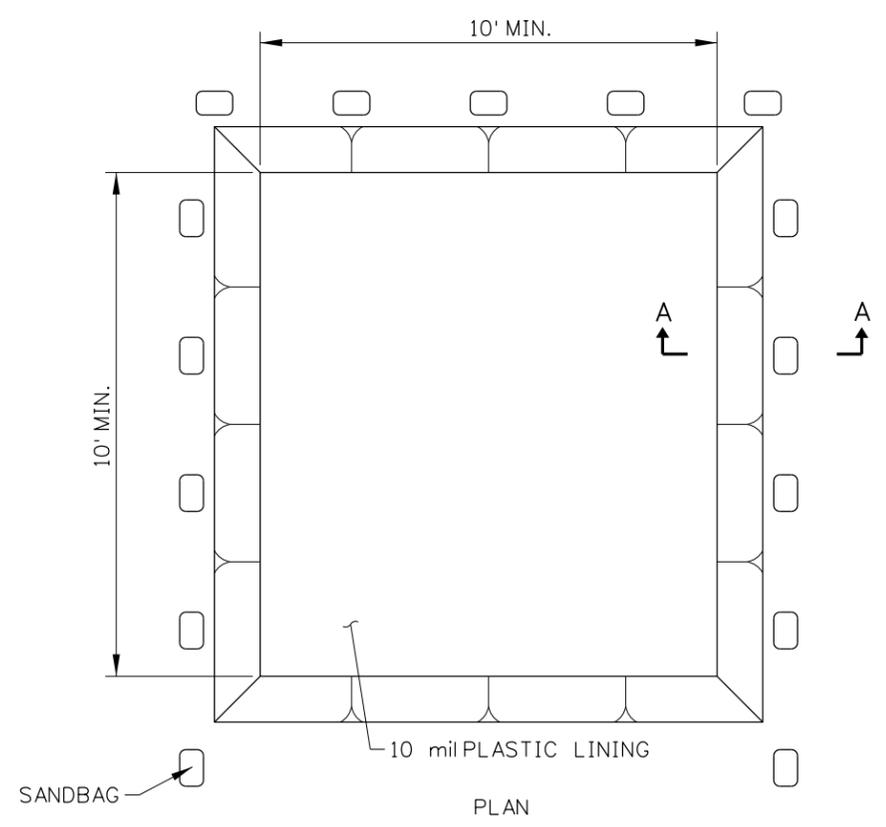
SECTION A-A



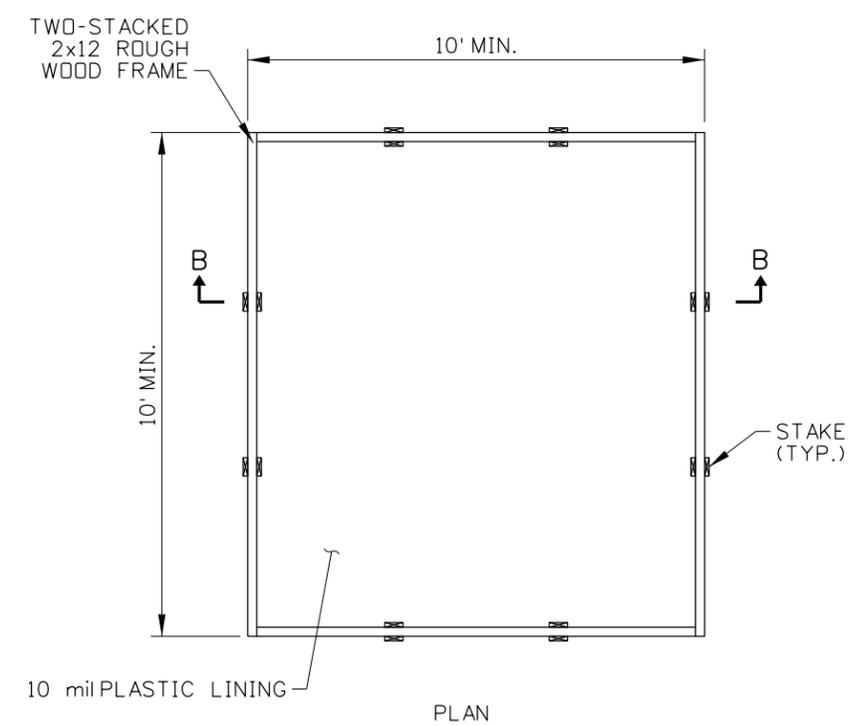
SECTION B-B



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

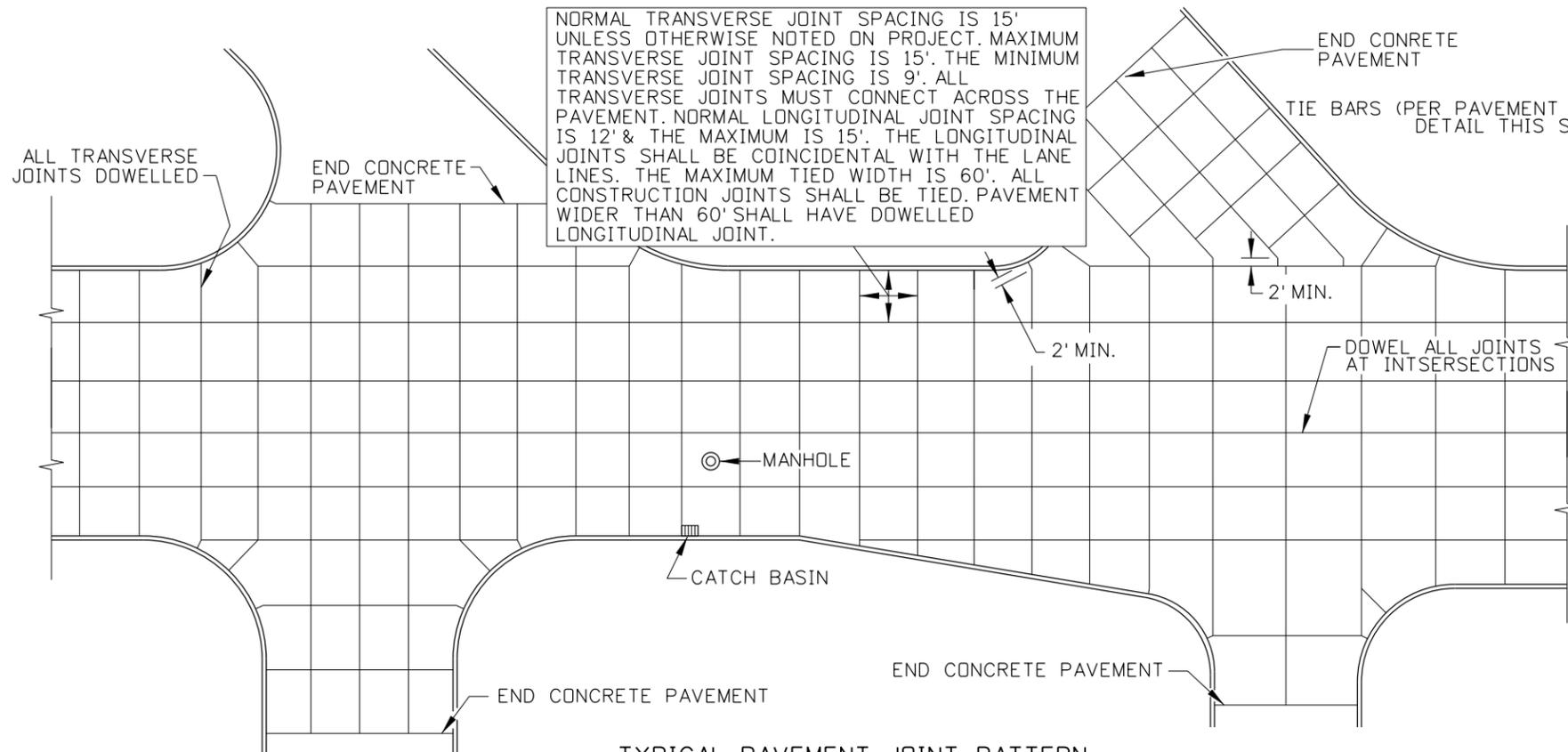
TEMPORARY CONCRETE WASHOUT

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

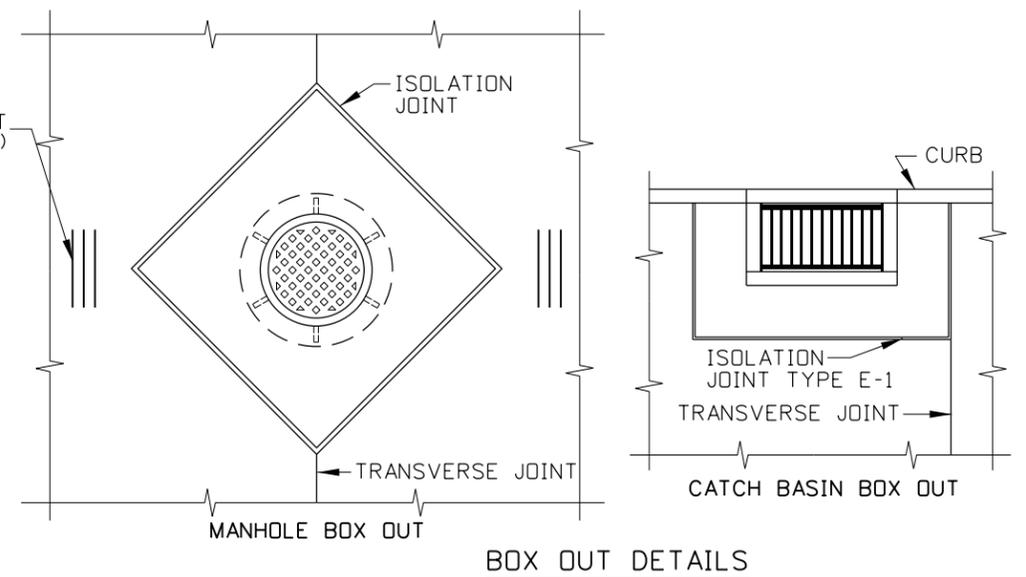
English

STANDARD DRAWING NO. 212-16

SHEET 1 OF 1



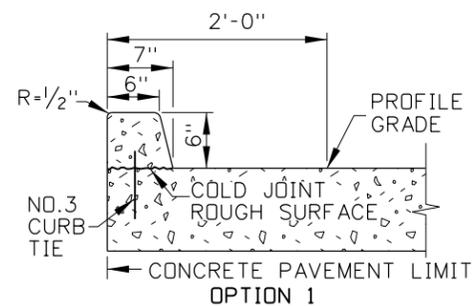
TYPICAL PAVEMENT JOINT PATTERN



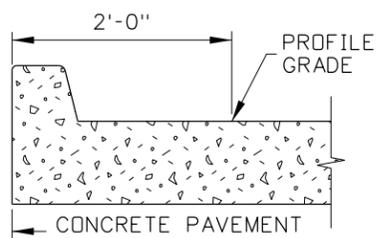
BOX OUT DETAILS

NOTES

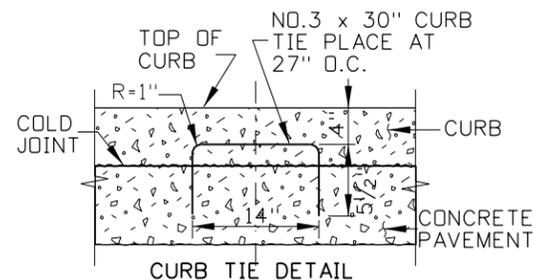
1. THE TYPICAL PAVEMENT JOINT PATTERN SHOWN IS FOR ILLUSTRATION PURPOSES ONLY AND IS INTENDED TO BE USED AS A GUIDE IN DEVELOPING THE JOINT PATTERN FOR THE PROJECT. THE CONTRACTOR SHALL PREPARE A PAVEMENT JOINT PATTERN FOR THE ENTIRE PROJECT FOR APPROVAL BY THE ENGINEER.
2. WHEN POSSIBLE, MANHOLES SHALL BE CENTERED BETWEEN JOINTS. JOINT SPACING MAY BE ADJUSTED NEAR MANHOLES, WITHIN THE STANDARD LIMITS. SEE STANDARD DRAWING 411-2.
3. IF THE CONTRACTOR ELECTS TO BOX OUT AROUND THE MANHOLE OR CATCH BASIN FRAMES AND PLACE THE PAVEMENT AROUND THE FRAME AS A SEPARATE OPERATION, TIED CONSTRUCTION JOINTS SHALL BE PLACED AS SHOWN IN THE BOX OUT DETAIL.
4. JOINTS IN THE CURBS SHALL COINCIDE WITH TRANSVERSE JOINTS IN THE PAVEMENT.
5. SEE STANDARD DRAWING 615-1 FOR ADDITIONAL NOTES ON REQUIREMENTS FOR CURB CONSTRUCTION.
6. THE CONTRACTOR MAY PLACE CURBS AS SHOWN IN OPTIONS 1, 2, OR 3.
7. SAWED JOINTS SHALL BE 1/4" WIDE AND SHALL BE FILLED WITH HOT Poured ELASTOMERIC JOINT FILLER MEETING REQUIREMENTS OF SUBSECTION 704.02 OR A NEOPRENE COMPRESSION SEAL OF APPROVED CONFIGURATION MEETING THE REQUIREMENTS OF SUBSECTION 704.04 MAY BE USED.



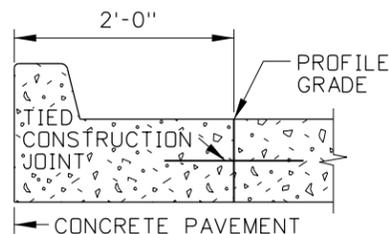
OPTION 1



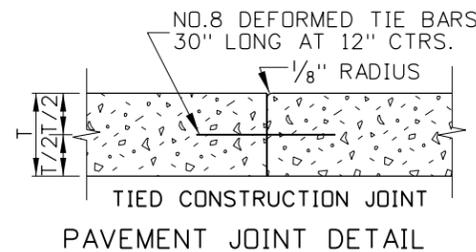
OPTION 2



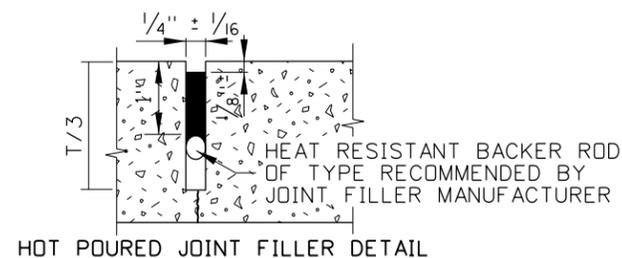
CURB & GUTTER DETAILS



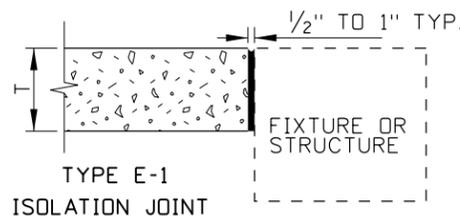
OPTION 3



PAVEMENT JOINT DETAIL



HOT Poured JOINT FILLER DETAIL



TYPE E-1 ISOLATION JOINT

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

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 411-1_1011.dgn
 DRAWING DATE: AUGUST, 2011

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING

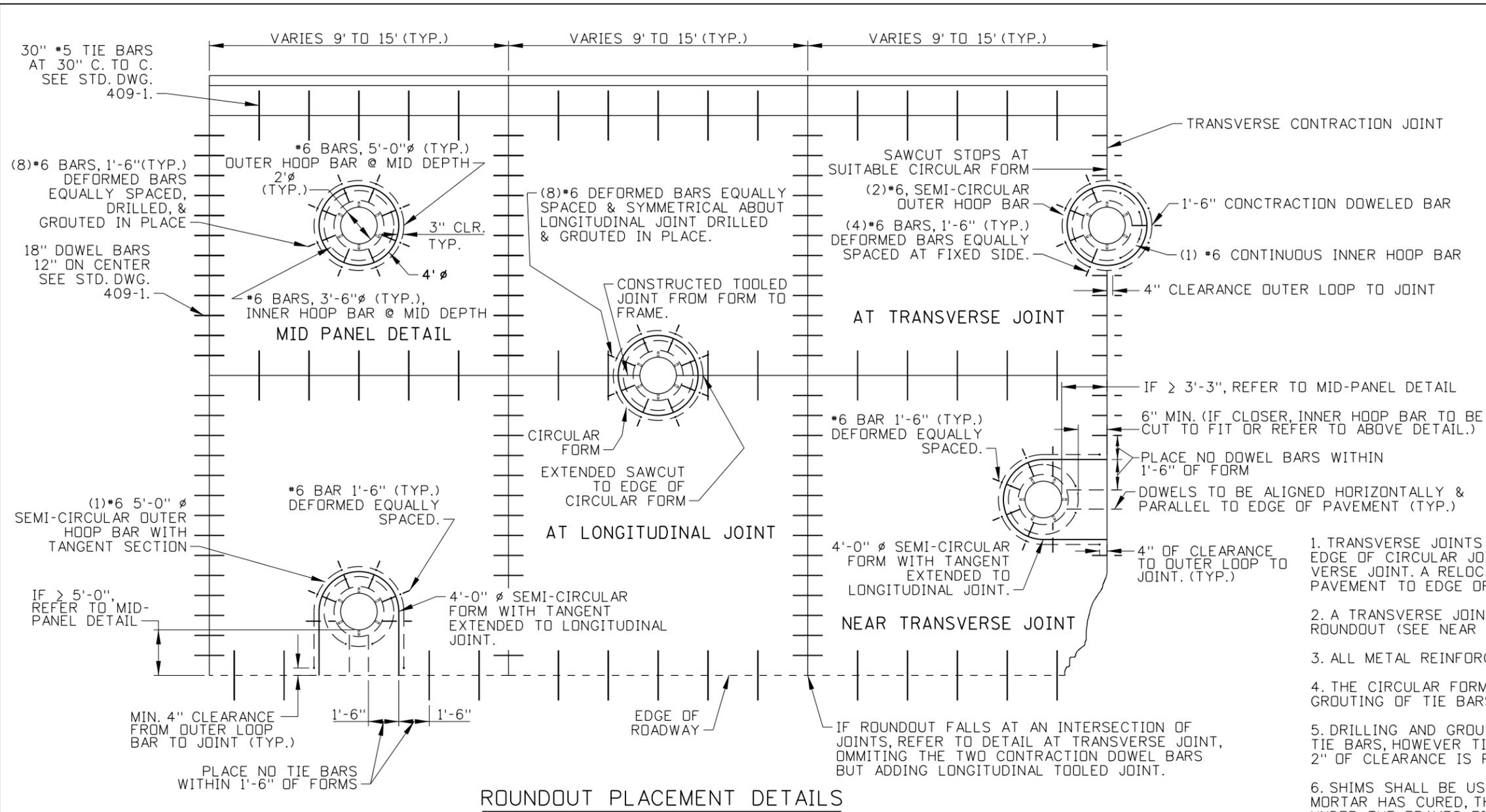
URBAN CONCRETE PAVEMENT

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

English

STANDARD DRAWING NO. **411-1**

SHEET 1 OF 1



NOTES

1. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT. THE EDGE OF CIRCULAR JOINT SHALL BE A MINIMUM OF 2'-0" FROM TRANSVERSE JOINT. A RELOCATED JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
2. A TRANSVERSE JOINT SHALL BE ALIGNED WITH THE CENTERLINE OF THE ROUNDOUT (SEE NEAR TRANSVERSE JOINT DETAIL.)
3. ALL METAL REINFORCEMENT BARS SHALL BE EPOXY COATED.
4. THE CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILLING AND GROUTING OF TIE BARS.
5. DRILLING AND GROUTING IS THE PREFERRED METHOD OF PLACING TIE BARS, HOWEVER TIE BARS MAY BE POURED IN PLACE IF A MAXIMUM 2" OF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME.
6. SHIMS SHALL BE USED TO ADJUST ALL FRAMES, AFTER ADJUSTING MORTAR HAS CURED, THE SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON-SHRINK GROUT (SEE STD. DWG. 605-13 FOR ALTERNATE FRAME PLACEMENT).
7. METAL REINFORCEMENT FOR HOOP BARS SHALL BE ONE-PIECE CONSTRUCTION HAVING A MINIMUM LAP LENGTH OF 2'-0".
8. ALL SITUATIONS NOT SHOWN AND MAY REQUIRE COMBINATION OF DETAILS.
9. WHEN THE CAST-IN-PLACE ROUNDOUT IS USED THE FRAME SHALL BE ANCHORED TO THE STRUCTURE TO PREVENT MOVEMENT DURING THE PAVING OPERATION.
10. STANDARD DRAWING 605-13 SHALL ACCOMPANY THIS DRAWING.
11. DOWEL BAR AND TIE BAR SIZE AND LOCATION SHALL BE AS SHOWN ON STANDARD DRAWING 409-1.
12. NOT TO SCALE.

ROUNDOUT PLACEMENT DETAILS

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

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 411-2_1011.dgn
 DRAWING DATE: AUGUST, 2011

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING

URBAN CONCRETE PAVEMENT MANHOLE COLLARS

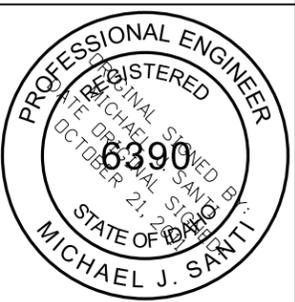
REQUIRES SHT. 2 OF 2 & STD. DWG. 605-13

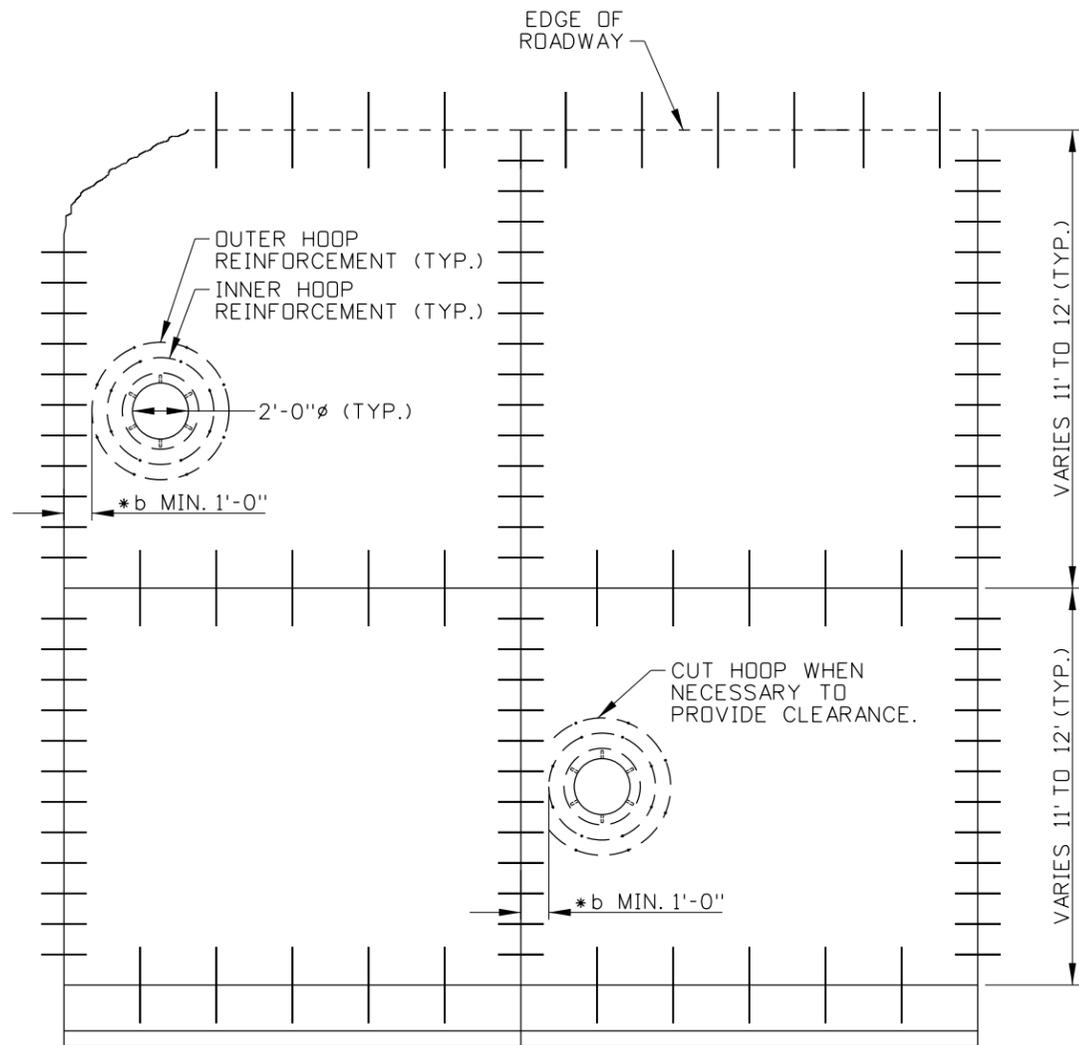
English

STANDARD DRAWING NO. **411-2**

SHEET 1 OF 2

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





*b WHEN LESS THAN 1'-0" A FORMED ROUNDOUT SHALL BE USED.

CAST IN PLACE DETAIL

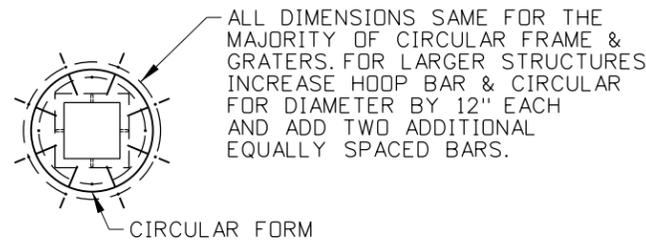
*16 BARS, 6" LONG TO BE POUNDED INTO SUBGRADE AS CHAIRS & TIED. (MIN. OF (4) FOR INNER LOOP & (8) OUTER LOOP). INNER LOOP MAY REST DOWEL BAR (TIE BAR TO LONGITUDINAL JOINT) OR TIE BARS WHICH SHALL NOT INTERFERE IN THE ALIGNMENT.

OUTER LOOP

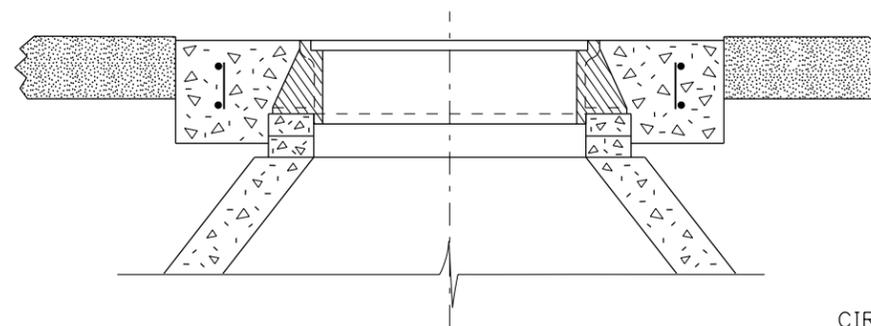
NEAR JOINT

*6 LOOP BAR PLACED AT PAVEMENT MIDPOINT

METAL REINFORCEMENT TIEING DETAIL OPTION

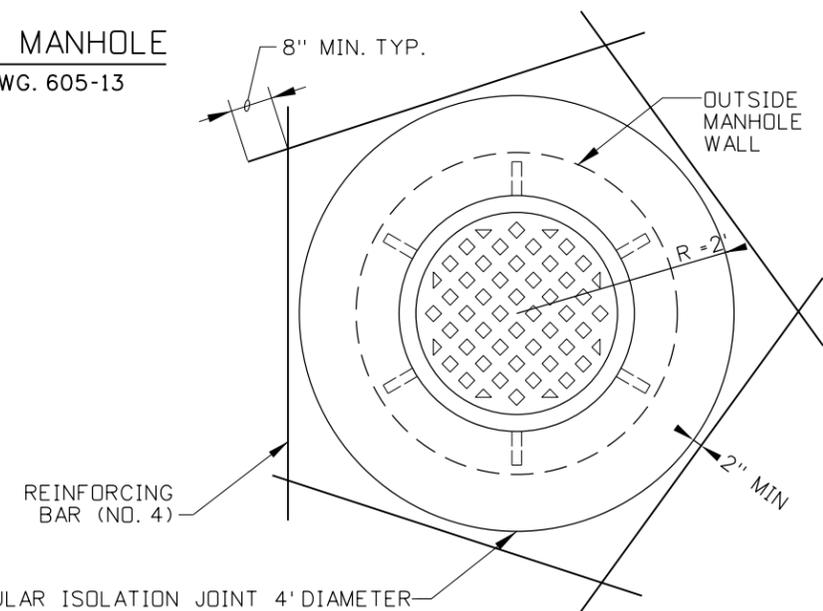


APPLICATION FOR SQUARE FRAME W/GRATE & MANHOLE
FOR DETAILS INSIDE OF CIRCULAR ISOLATION JOINT SEE STD. DWG. 605-13



MANHOLE FRAME FOR VISUAL REFERENCE ONLY

(SEE STANDARD DRAWING 605-13 FOR REINFORCEMENT DETAILS)



METAL REINFORCEMENT TIEING DETAIL OPTION

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

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 411-2_1011.dgn
DRAWING DATE: AUGUST, 2011

IDAHO TRANSPORTATION DEPARTMENT

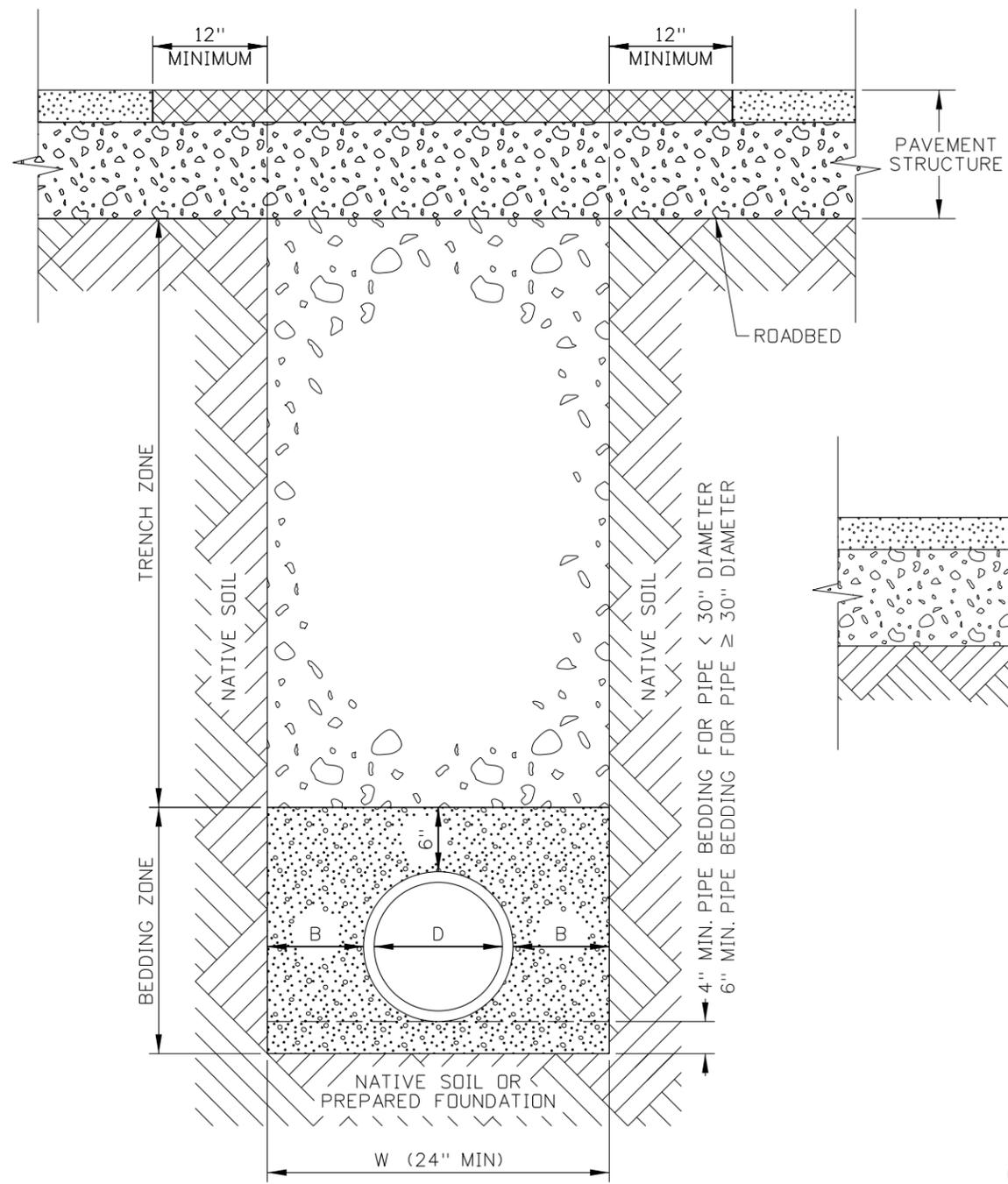


BOISE IDAHO

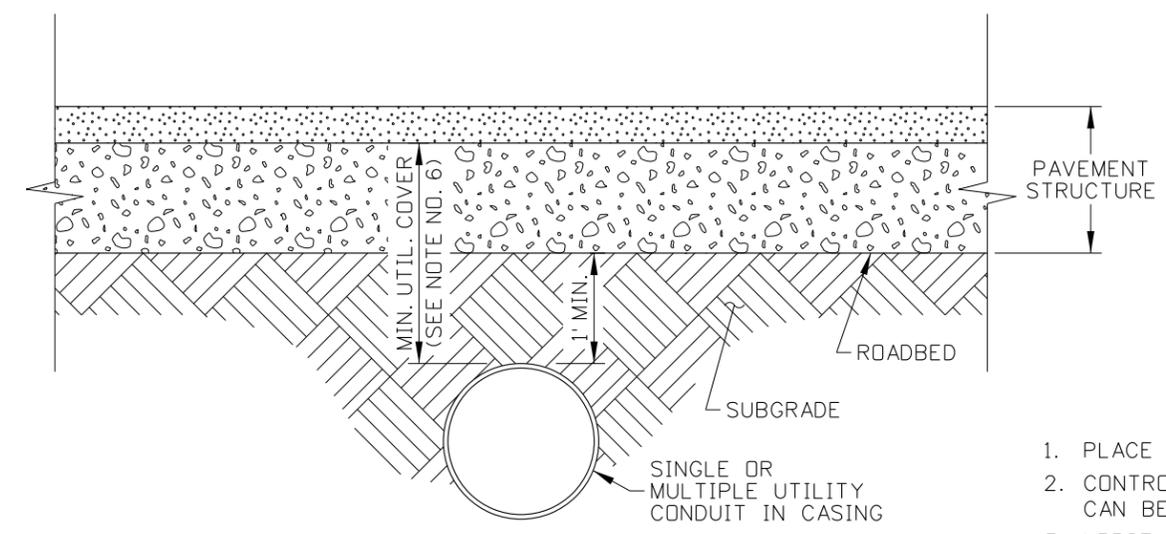
ORIGINAL SIGNED BY: LOREN THOMAS
HIGHWAYS PROGRAM OVERSIGHT ENGINEER
ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING
URBAN CONCRETE PAVEMENT MANHOLE COLLARS
REQUIRES SHT. 1 OF 2 & STD. DWG. 605-13

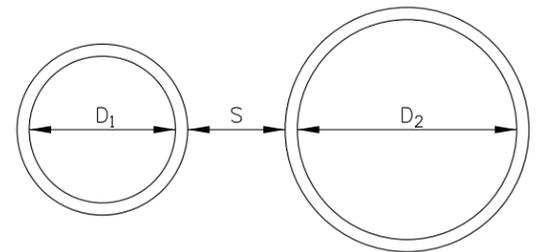
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho
English
STANDARD DRAWING NO. **411-2**
SHEET 2 OF 2



TRENCHING



JACKING, DRIVING, OR BORING



MULTIPLE PIPE INSTALLATION DETAIL
(SEE NOTE NO. 4)

MATERIALS AND COMPACTION TABLE				
PIPE LOCATION	BEDDING ZONE		TRENCH ZONE	
	MATERIAL REQUIREMENT	COMPACTION REQUIREMENT	MATERIAL REQUIREMENT	COMPACTION REQUIREMENT
INSIDE ROADWAY PRISM	COARSE AGGREGATE FOR CONCRETE SIZE NO. 1, NO. 2A, OR NO. 2B (SUBSECTION 703.02)	ENGINEER ACCEPTANCE	3/4" AGGREGATE FOR BASE (SUBSECTION 703.04) (SEE NOTE NO. 1)	CLASS A COMPACTION (SECTION 205) OR 95% OF IT-74
OUTSIDE ROADWAY PRISM	COARSE AGGREGATE FOR CONCRETE SIZE NO. 1, NO. 2A, OR NO. 2B (SUBSECTION 703.02)	ENGINEER ACCEPTANCE	GRANULAR BORROW OR NATIVE MATERIALS WITH MAXIMUM SIZE OF 6" AND FREE FROM WOOD WASTE OR DELETERIOUS MATERIALS. (SEE NOTE NO. 1)	CLASS D COMPACTION (SECTION 205)

MINIMUM DIMENSION TABLE (SEE NOTE NOS. 3 AND 4)		
D (INCHES)	B (INCHES)	S (INCHES)
≤ 6	10	24
7 TO 15	12	24
16 TO 30	18	24
> 30	24	GREATER OF 24 OR D/2

NOTES

1. PLACE MATERIAL IN ACCORDANCE WITH SECTION 210.
2. CONTROLLED DENSITY FILL (CDF) IN ACCORDANCE WITH SECTION 522 CAN BE USED IF APPROVED BY THE ENGINEER.
3. LOOSE LIFT THICKNESS DIRECTLY ON TOP OF PIPE MAY BE INCREASED WITH APPROVAL TO PREVENT DAMAGE TO PIPE DURING COMPACTION.
4. WHEN TWO DIFFERENT DIAMETER PIPES ARE INSTALLED, USE THE LARGER D DIMENSION TO DETERMINE THE S DIMENSION.
5. WHEN THE PIPE DIAMETER IS 36 INCHES OR GREATER AND THE PIPE IS INSTALLED DURING EMBANKMENT CONSTRUCTION, USE B DIMENSION EQUAL TO THE PIPE DIAMETER.
6. PROVIDE THE FOLLOWING MINIMUM COVER DEPTHS:
 WATER: 4'
 LIQUID OR GAS PETROLEUM: 4'
 ELECTRICAL MAIN LINE: 4'
 COMMUNICATIONS OR ELECTRONICS: 2'
 UTILITY OWNERS AND LOCAL PUBLIC AGENCIES MAY HAVE DIFFERENT MINIMUM COVER DEPTHS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE REQUIRED COVER DEPTHS.
7. PERFORM TRENCHING PER OSHA REQUIREMENTS.
8. DO NOT DISTURB THE INSTALLED PIPE OR CONDUIT, OR LEAVE VOIDS WHEN USING TRENCH BOXES OR SHIELDS.
9. DRAWINGS NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-15	RDL	6	03-21	TWF			
2	03-16	RDL						
3	06-17	RDL						
4	06-18	HEB						
5	11-18	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 601-1_0421.dgn
 DRAWING DATE: MAY 2014

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

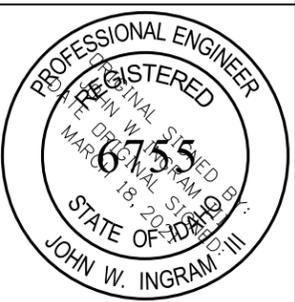
STANDARD DRAWING
PIPE AND CONDUIT INSTALLATION

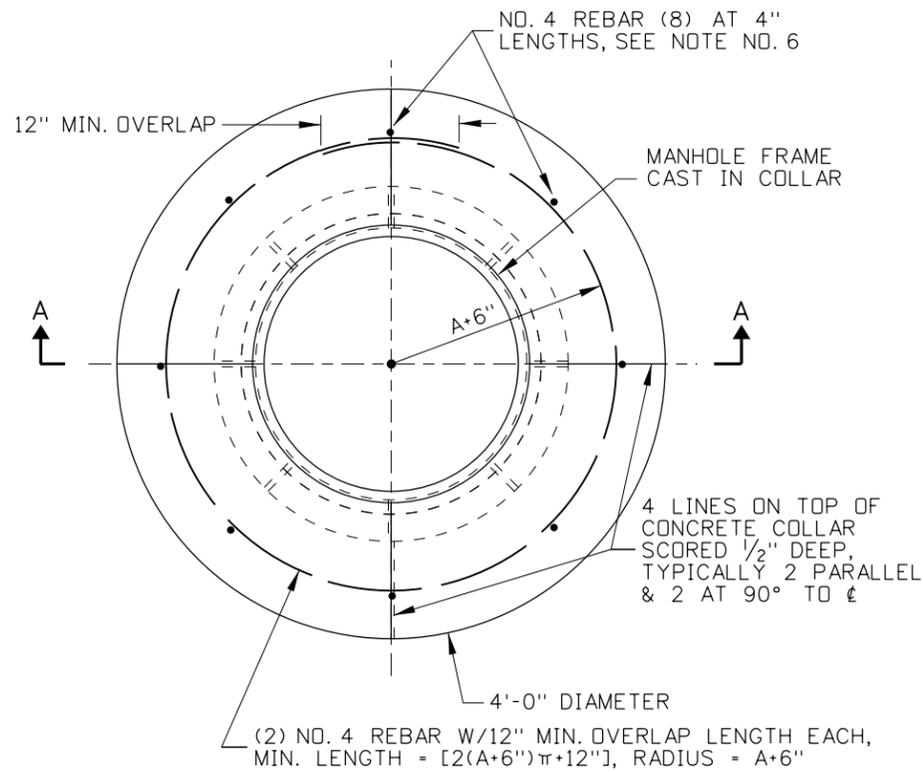
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

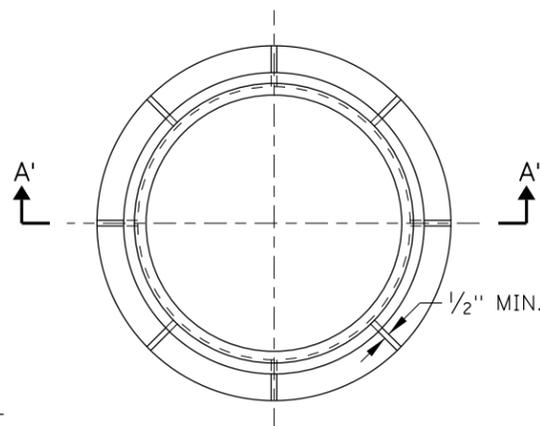
STANDARD DRAWING NO.
601-1

SHEET 1 OF 1



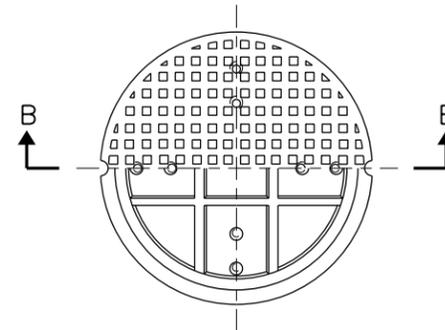


CONCRETE COLLAR PLAN



FRAME PLAN

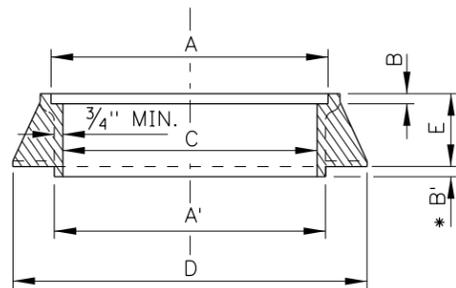
COVER PLAN - TOP HALF VIEW



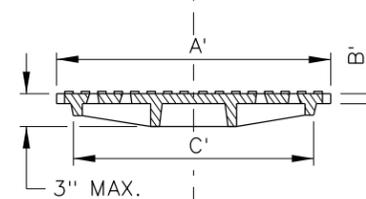
COVER PLAN - BOTTOM HALF VIEW

STANDARD MANHOLE FRAME BASIC DIMENSIONS	
A	24 1/8"
B	1"
C	21" MIN.
D	31" MIN.
E	5"
STANDARD MANHOLE COVER BASIC DIMENSIONS	
A'	23 7/8"
* B'	1"
C'	20"

* B' MANHOLE FRAME BOTTOM TO FIT INSIDE ANOTHER FRAME LID OPENING



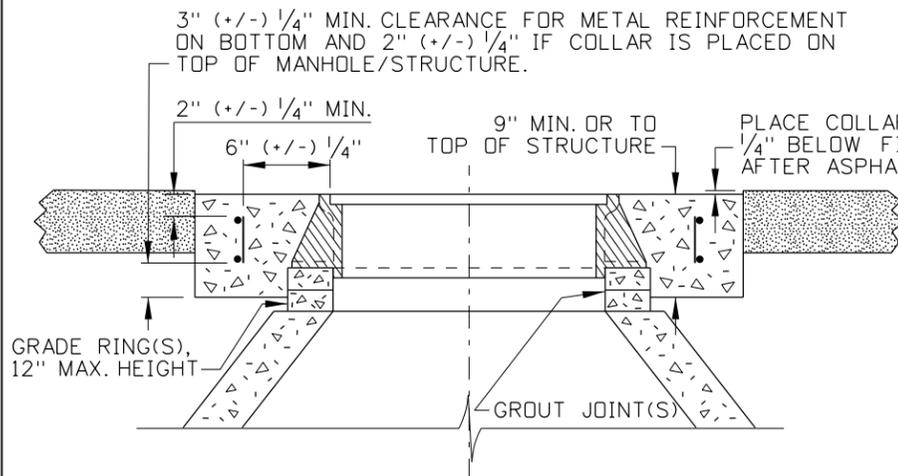
SECTION A-A



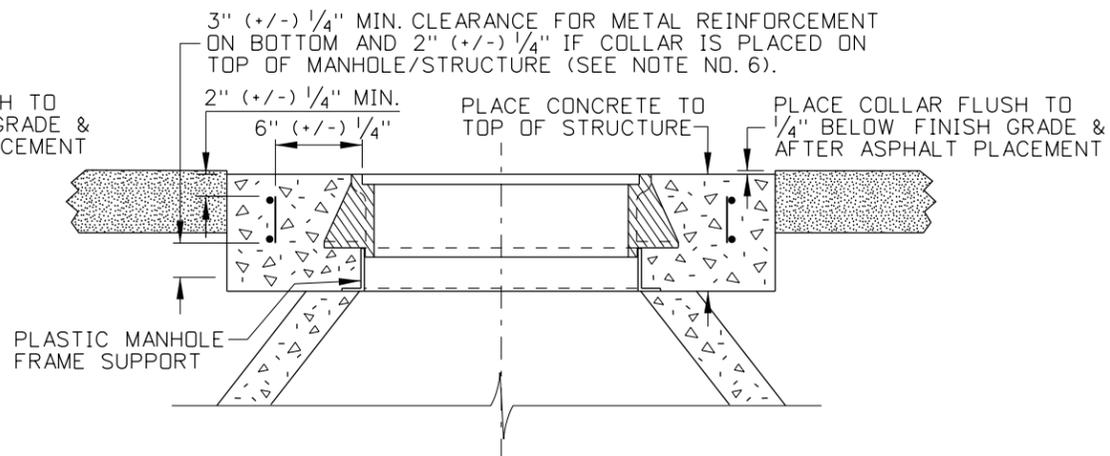
SECTION B-B

NOTES

1. THE MINIMUM WEIGHT OF THE FRAMES SHALL BE 150LBS. AND THE MINIMUM WEIGHT OF COVERS SHALL BE 110LBS. THESE FRAMES AND COVERS ARE TO BE USED IN ALL TRAFFIC AND NON-TRAFFIC AREAS.
2. FRAMES AND COVERS SHALL CONFORM TO AASHTO M 306-05 AND SHALL BE MADE OF CLASS 35B GRAY IRON.
3. THE LAYOUT AND DIMENSIONS OF THE WEBS ARE TYPICAL MINIMUMS. PROPRIETARY MANHOLE COVERS WITHOUT WEBS ARE ACCEPTABLE PROVIDED THEY MEET AASHTO M 306-05 AND MINIMUM WEIGHT REQUIREMENTS. ALL COVER DESIGNS SHALL BE PROVIDED WITH AN ANTI-SHIFT SKIRT THAT EXTENDS A MINIMUM OF 1" BELOW THE COVER SEAT.
4. THE SURFACE SHOWN IS FOR ILLUSTRATION ONLY. ANY SURFACE DESIGN, OTHER THAN SMOOTH, MAY BE USED UPON APPROVAL.
5. A CAST-IN-PLACE CONCRETE COLLAR SHALL BE PLACED AROUND THE MANHOLE FRAME UNLESS OTHERWISE DIRECTED. THE CONCRETE COLLAR SHALL MEET THE REQUIREMENTS OF SECTION 609 - MINOR STRUCTURES, OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
6. THE CONCRETE COLLAR SHALL BE PLACED TO THE TOP OF THE MANHOLE/STRUCTURE OR HAVE A MINIMUM THICKNESS OF 9". WHEN THE CONCRETE COLLAR IS PLACED ON TOP OF A MANHOLE/STRUCTURE THE THICKNESS SHALL NOT BE LESS THAN THE "F DIMENSION" OF THE FRAME. THE VERTICAL METAL REINFORCEMENT LENGTHS MAY BE ADJUSTED WHEN THE COLLAR IS PLACED ON TOP OF A STRUCTURE/MANHOLE.
7. USE OF A PLASTIC MANHOLE FRAME SUPPORT, I.E. WHIRLY-GIG OR COMPARABLE DEVICE, IS AN ACCEPTABLE CONSTRUCTION OPTION.
8. NOT TO SCALE.



MANHOLE FRAME SUPPORTED WITH CONC. COLLAR RINGS (SEE NOTE NO. 6)



PLASTIC MANHOLE FRAME SUPPORT (SEE NOTE NO. 7)

SECTION A-A

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	06-61	NS	6	10-05	MSM		
2	02-74		7	06-07	MSM		
3	12-92	MSM	8	09-10	PLR		
4	05-95	MSM					
5	11-01	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 605-13_1010.dgn
 DRAWING DATE: JUNE, 1961

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

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

STANDARD DRAWING

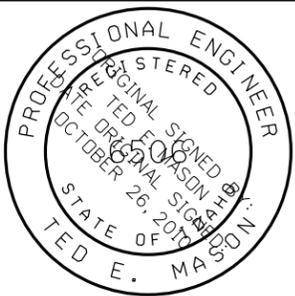
MANHOLE FRAME, COVER, & CONCRETE COLLAR

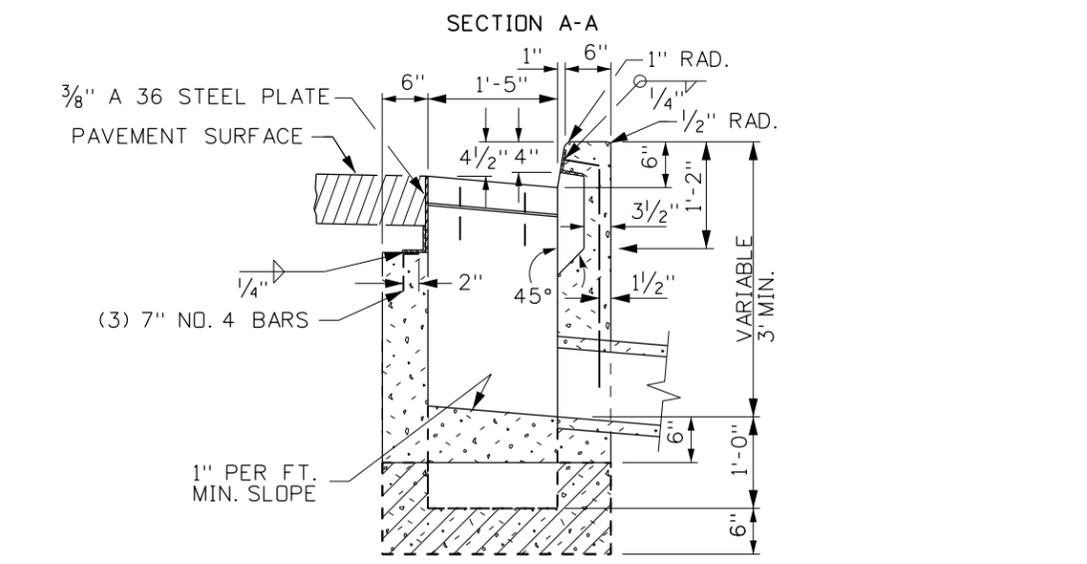
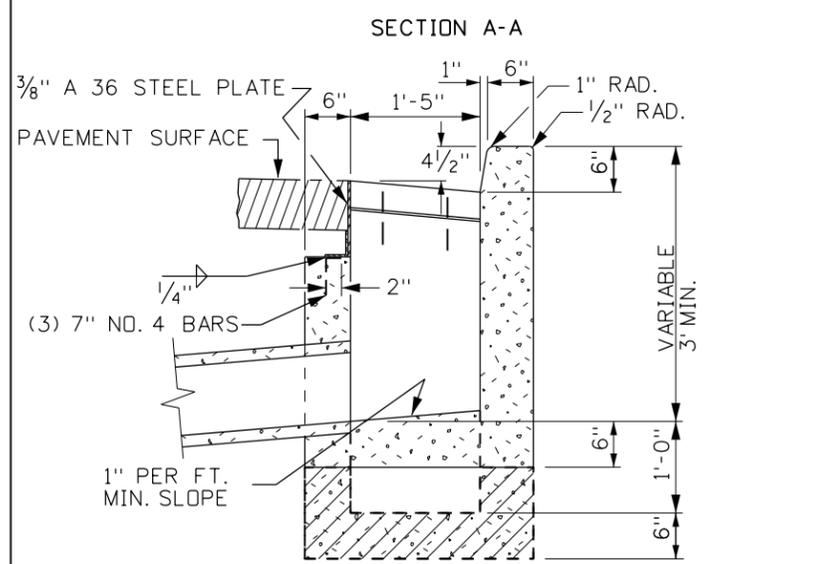
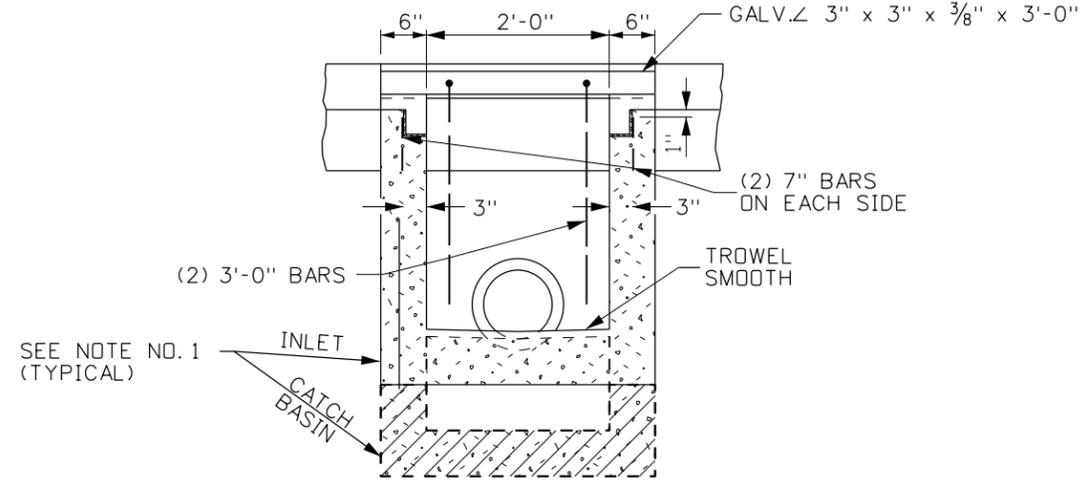
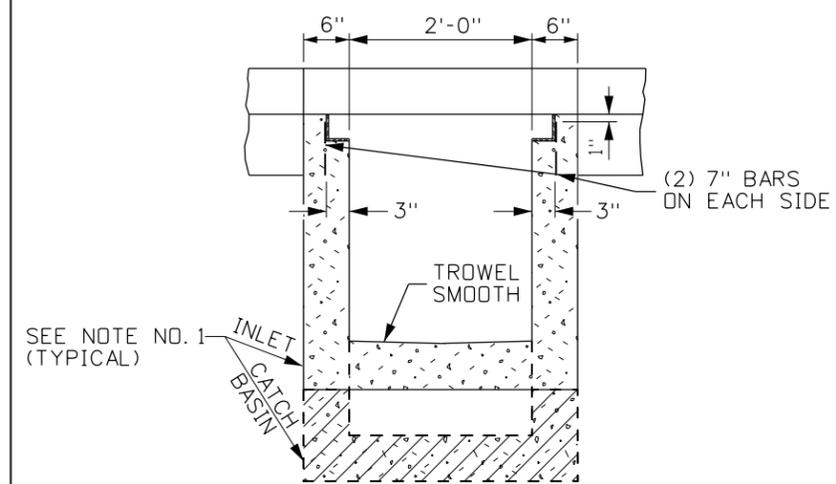
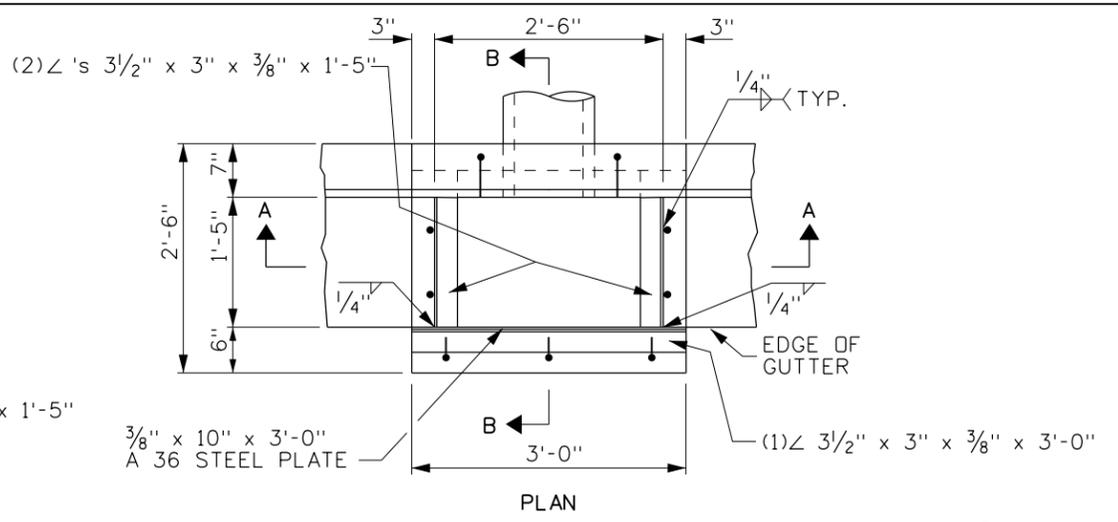
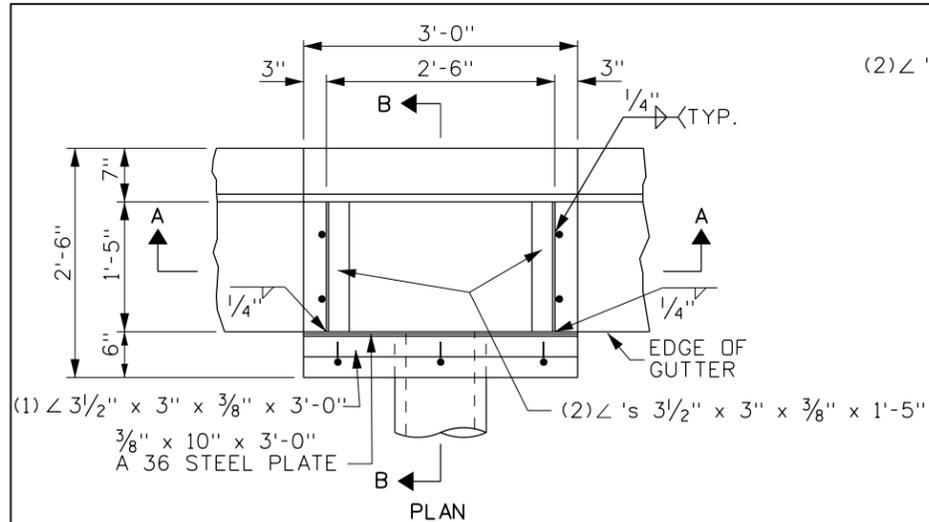
English

STANDARD DRAWING NO. 605-13

SHEET 1 OF 1

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





SECTION B-B
INLET - TYPE 1
CATCH BASIN - TYPE 1

SECTION B-B
INLET - TYPE 2
CATCH BASIN - TYPE 2

NOTES

- PATTERNS USED IN DRAWING:
 INLET SECTIONS:
 CATCH BASIN BOTTOMS:
 PAVEMENT:
- INLETS AND CATCH BASINS MAY BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST UNITS SHALL MEET THE REQUIREMENTS OF ASTM C 913. (PRIOR APPROVAL OF SHOP DRAWINGS WILL BE REQUIRED ON MODIFIED UNITS.)
- A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
- CAST-IN-PLACE INLETS AND CATCH BASINS SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- THE GRADE LINE OF THE TOP INSIDE OF ANY PIPE SHALL ENTER AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
- PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
- STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.
- ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES.
- GRAY IRON CAST TO THE DIMENSIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AASHTO M306 CLASS 35B GRAY IRON CASTINGS.
- INLET/CATCH BASIN GRATES MAY EITHER BE RESISTANCE WELDED OR ARC WELDED. IN EITHER CASE THE GRATE SHALL BE TRUE AND FLUSH.
- GRATE B WILL BE USED ONLY WHEN SPECIFIED.
- NOT TO SCALE.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	10-80		6	09-94	MSM	11	11-08
2	04-82		7	06-97	MSM		
3	03-84		8	06-01	MSM		
4	01-89	GB	9	11-04	MSM		
5	12-93	MSM	10	05-07	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 605-20_1108.dgn

DRAWING DATE: JULY, 1961

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

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

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

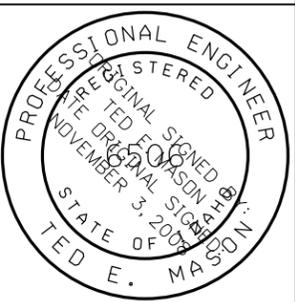
INLETS & CATCH BASINS TYPES 1, 2, & 3

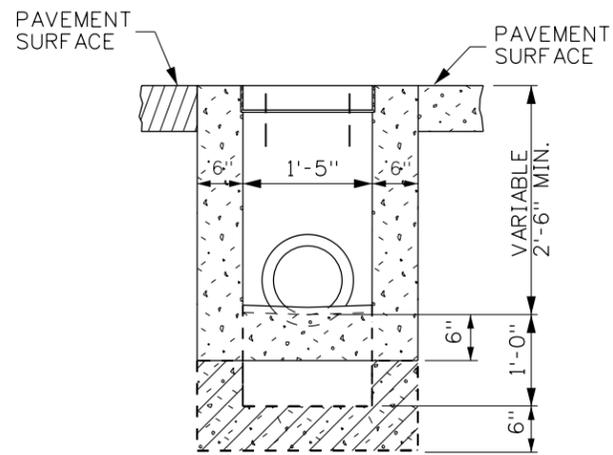
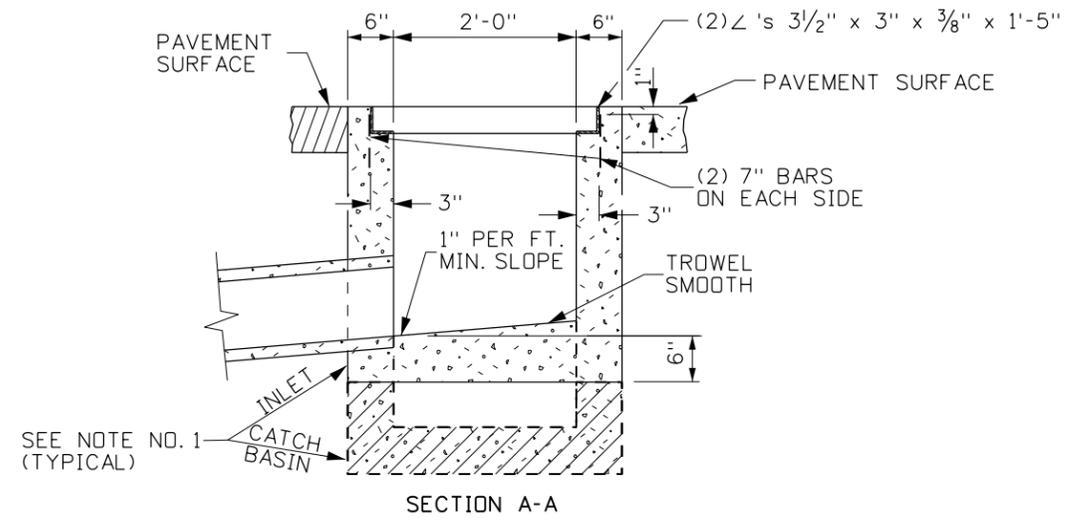
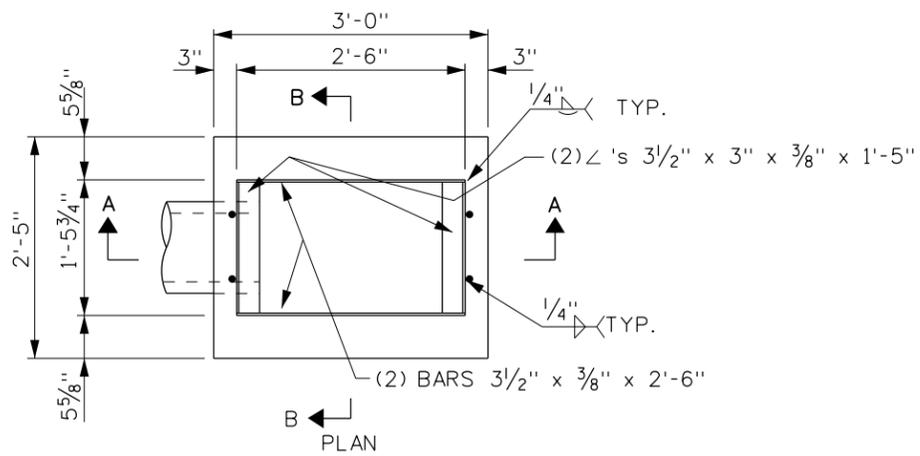
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

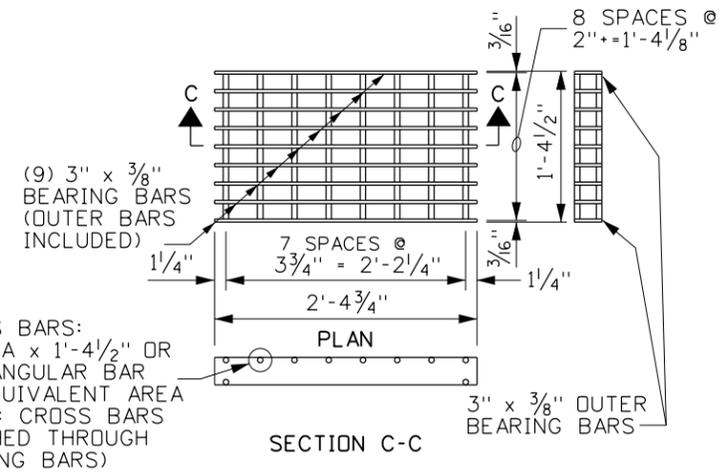
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SHEET 1 OF 2

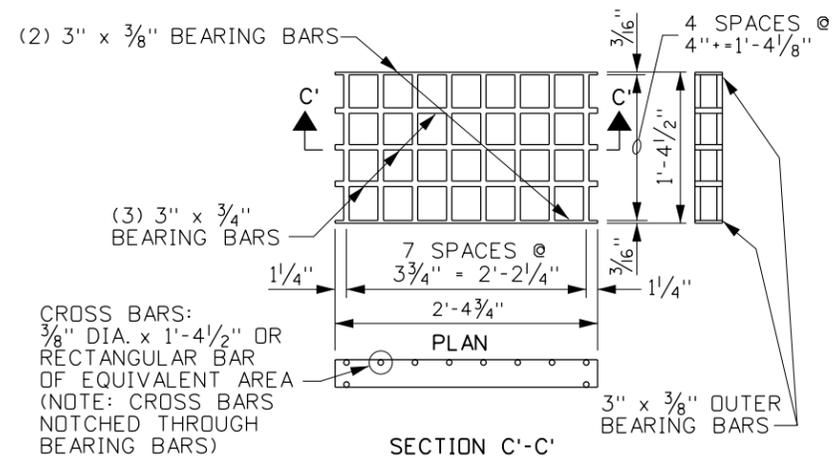




SECTION B-B
INLET - TYPE 3
CATCH BASIN - TYPE 3



SECTION C-C
GRATE A (STEEL)
(WEIGHT: APPROXIMATELY 88 LBS., SEE NOTE 9 & 10)



SECTION C'-C'
GRATE B (STEEL)
(WEIGHT: APPROXIMATELY 79 LBS., SEE NOTE 9 & 10)

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	10-80		6	09-94	MSM	11	11-08	JRV
2	04-82		7	06-97	MSM			
3	03-84		8	06-01	MSM			
4	01-89	GB	9	11-04	MSM			
5	12-93	MSM	10	05-07	MSM			

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CADD FILE NAME:
605-20_1108.dgn

DRAWING DATE:
JULY, 1961

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

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

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

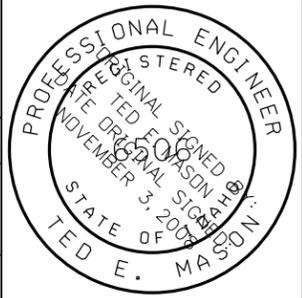
**INLETS & CATCH BASINS
TYPES 1, 2, & 3**

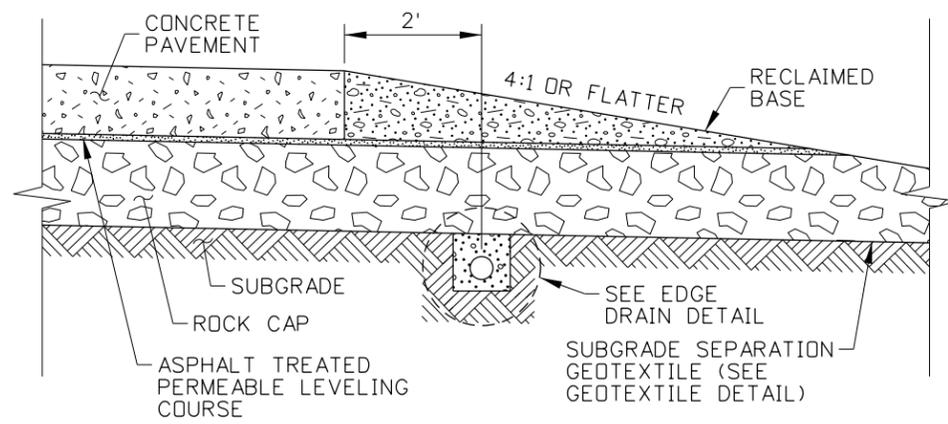
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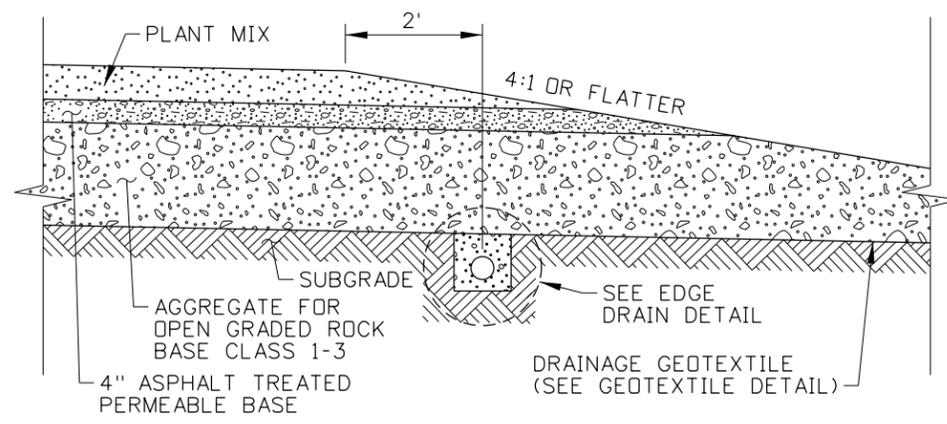
SHEET 2 OF 2

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

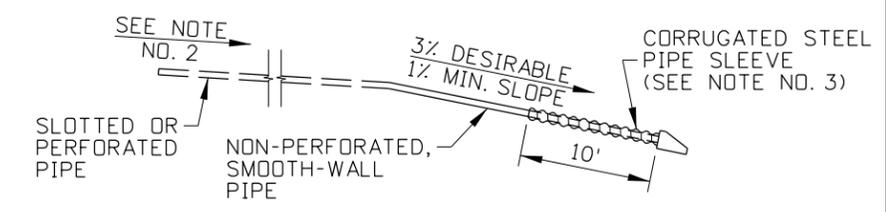




ROCK CAP

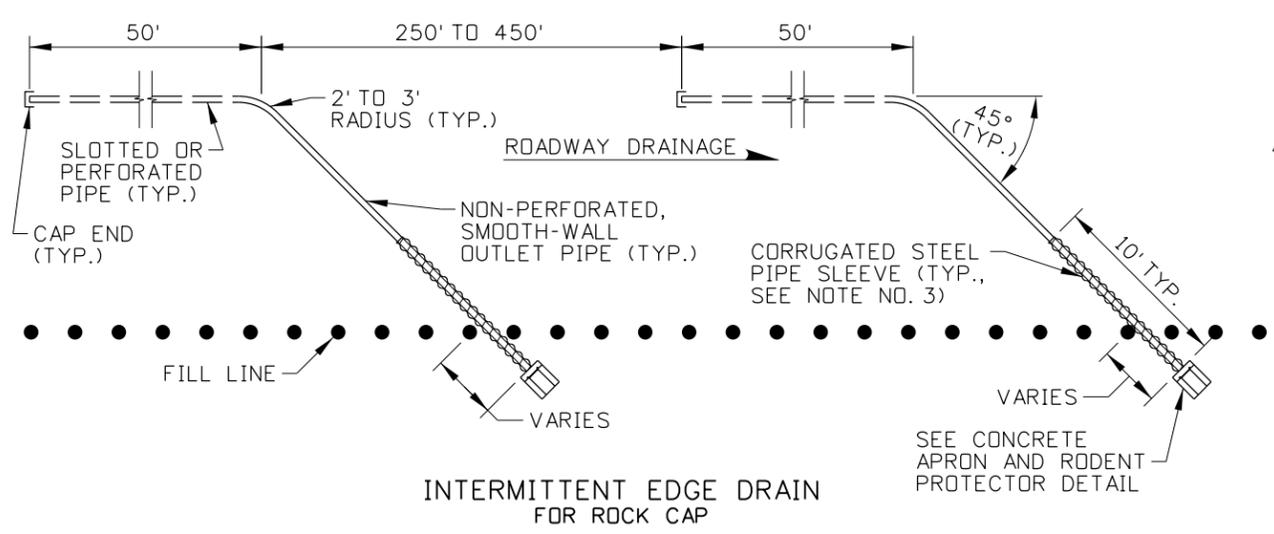


ASPHALT TREATED PERMEABLE BASE LAYER

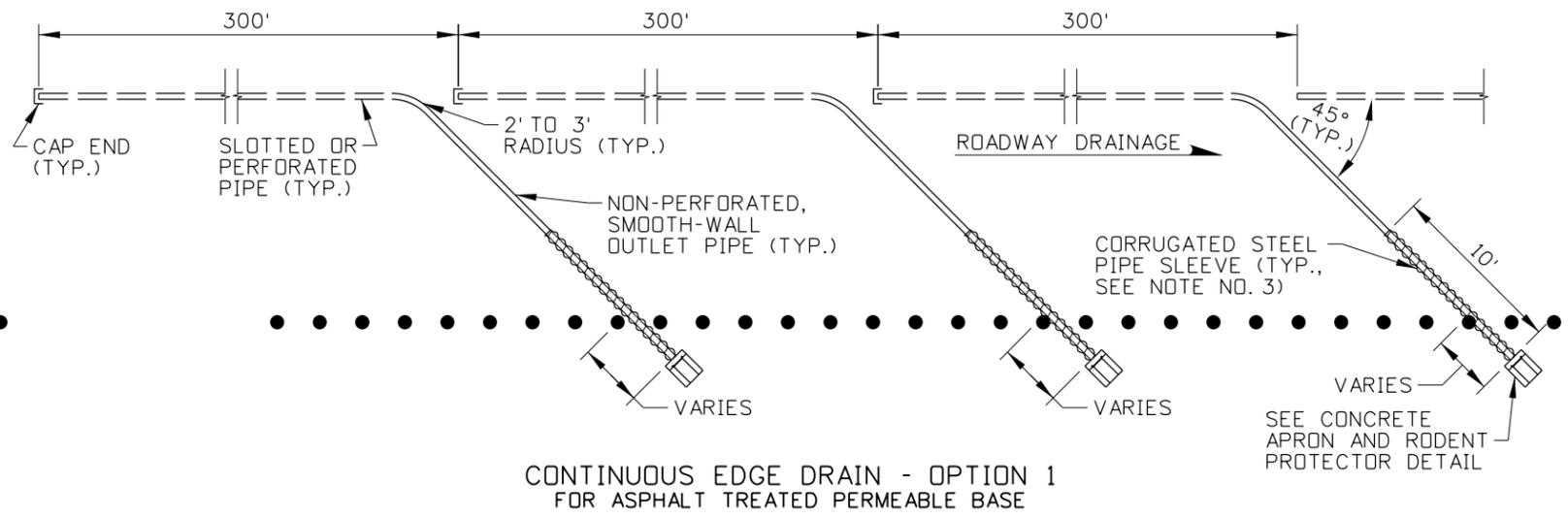


RURAL EDGE DRAIN PIPE PROFILE
(SEE NOTE NO. 5)

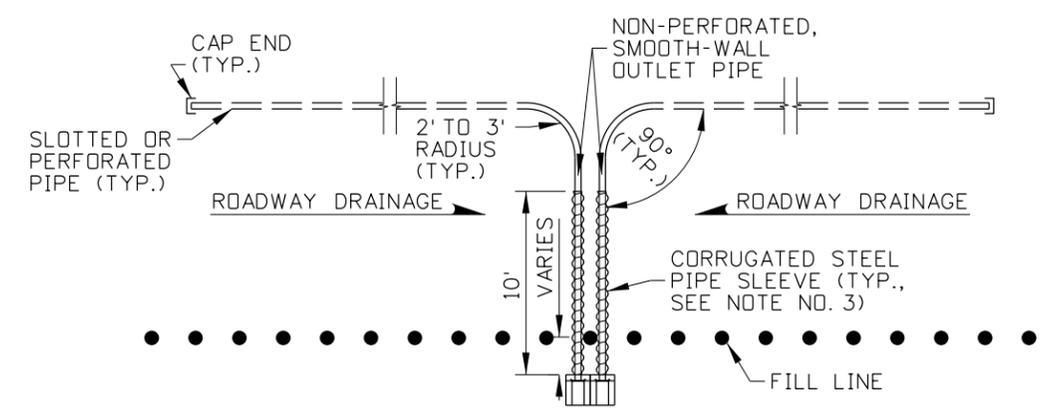
RURAL EDGE DRAIN PLACEMENT



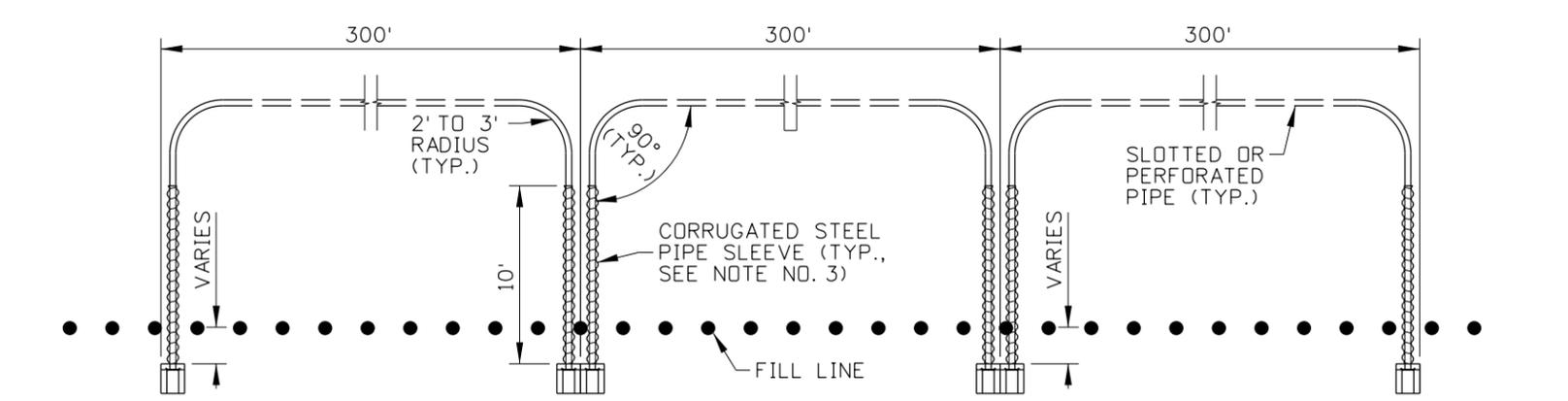
INTERMITTENT EDGE DRAIN FOR ROCK CAP



CONTINUOUS EDGE DRAIN - OPTION 1 FOR ASPHALT TREATED PERMEABLE BASE



EDGE DRAIN AT SAG VERTICAL CURVE FOR ROCK CAP OR ASPHALT TREATED PERMEABLE BASE (SEE NOTE NO. 4)



CONTINUOUS EDGE DRAIN - OPTION 2 FOR ASPHALT TREATED PERMEABLE BASE

RURAL EDGE DRAINS
PLAN VIEW

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-22	RDL						

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CADD FILE NAME: 606-2_0422.dgn
DRAWING DATE: FEBRUARY, 2014

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

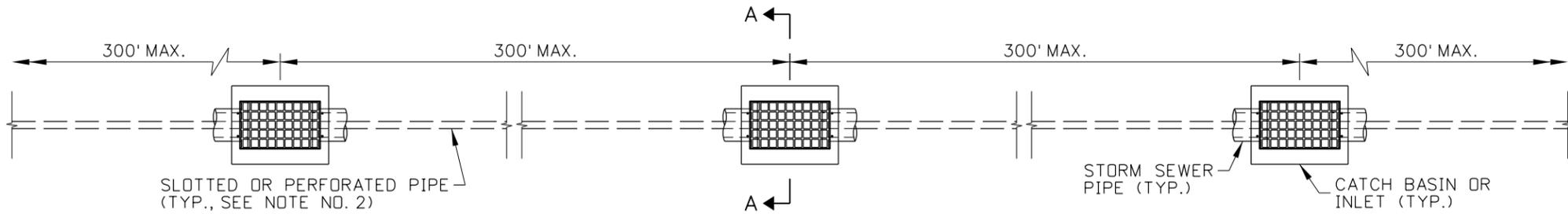
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
EDGE DRAIN

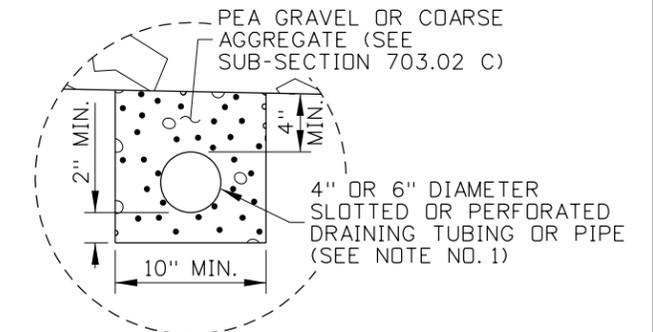
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STANDARD DRAWING NO.
606-2
SHEET 1 OF 2

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

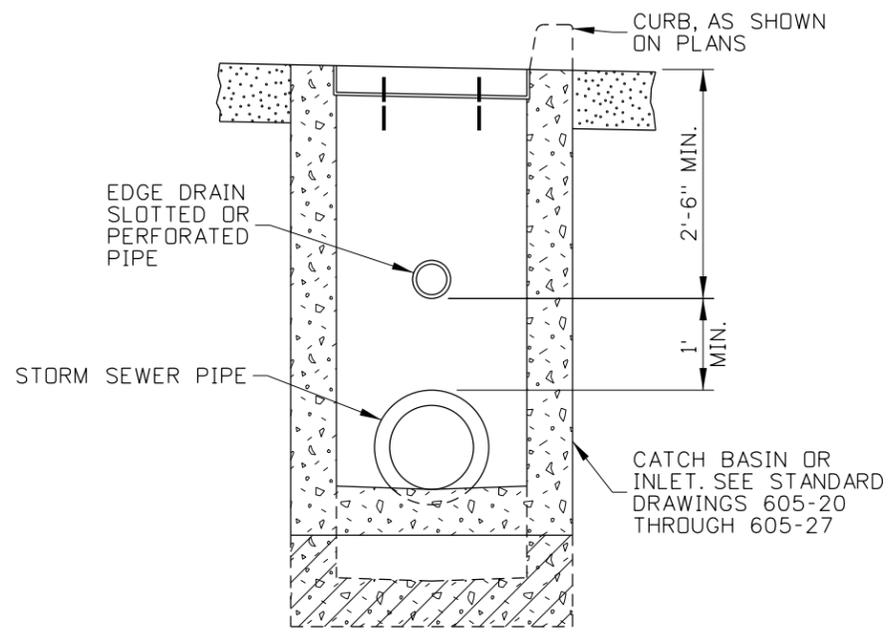
PROFESSIONAL ENGINEER
LICENSED
13683
RYAN D. LANCASTER
STATE OF IDAHO



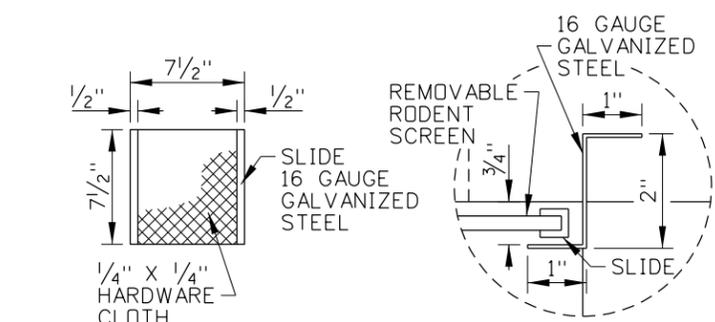
URBAN EDGE DRAIN
PLAN VIEW



EDGE DRAIN DETAIL



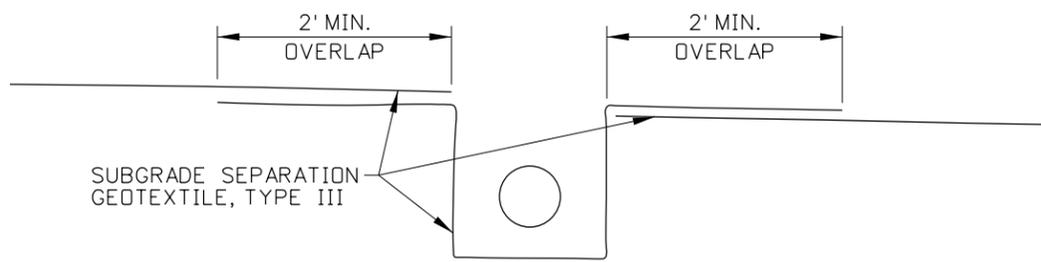
SECTION A-A
URBAN EDGE DRAIN PLACEMENT



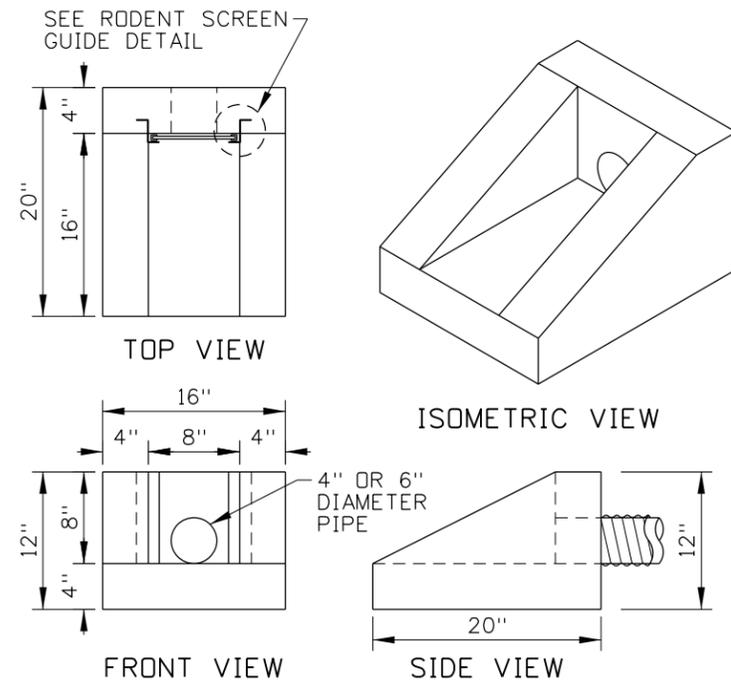
REMOVABLE RODENT SCREEN DETAIL
RODENT SCREEN GUIDE DETAIL

NOTES

1. PROVIDE CORRUGATED POLYETHYLENE DRAINAGE TUBING IN ACCORDANCE WITH 706.10 OR CLASS PS 46 POLYVINYL CHLORIDE (PVC) PIPE IN ACCORDANCE WITH 706.14.
2. MINIMUM 0.5 PERCENT PIPE GRADE. EDGE DRAIN GRADIENTS MAY BE AS FLAT AS 0.2 PERCENT IF PIPE DIAMETERS GREATER THAN 6 INCHES ARE USED.
3. PLACE OUTLET PIPES IN 10 FOOT LONG CORRUGATED STEEL PIPE SLEEVES EXTENDING FROM THE CONCRETE APRON. USE PIPE JUST LARGE ENOUGH TO ALLOW THE OUTLET PIPES TO FIT THROUGH.
4. PROVIDE OUTLET PIPES AT THE BOTTOM OF SAG VERTICAL CURVES.
5. PROVIDE 6 INCH MINIMUM FREEBOARD BETWEEN THE DITCH BOTTOM AND PIPE OUTLET. WHERE THIS IS NOT PRACTICAL, PROVIDE A COLLECTION AND DISPOSAL SYSTEM.
6. USE COUPLINGS TO JOIN PIPES. MINIMIZE EDGE DRAIN AND OUTLET PIPE JOINTS.
7. PRECAST OR CAST-IN-PLACE CONCRETE APRON AND RODENT PROTECTORS. PROVIDE REMOVABLE RODENT SCREEN.
8. VIDEO INSPECT FINISHED EDGE DRAIN AND OUTLET PIPES. REPLACE DAMAGED PIPE.
9. DRAWING NOT TO SCALE.



GEOTEXTILE DETAIL



CONCRETE APRON AND RODENT PROTECTOR DETAIL
(SEE NOTE NO. 7)

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-22	RDL						

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DRAWING DATE: FEBRUARY, 2014

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

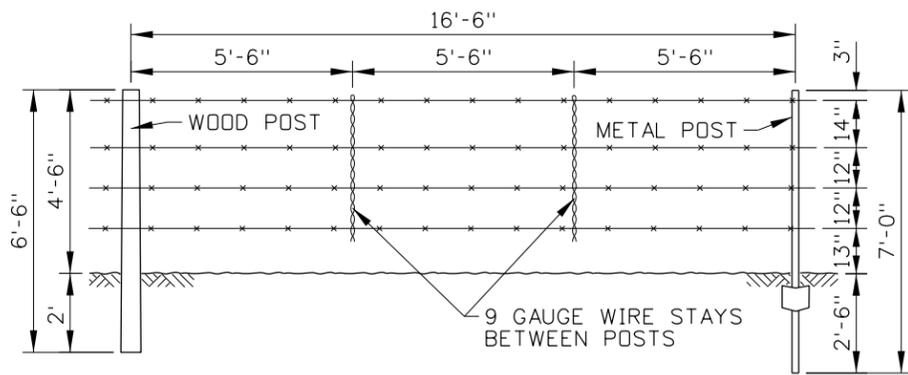
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EDGE DRAIN

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

English

STANDARD DRAWING NO.
606-2

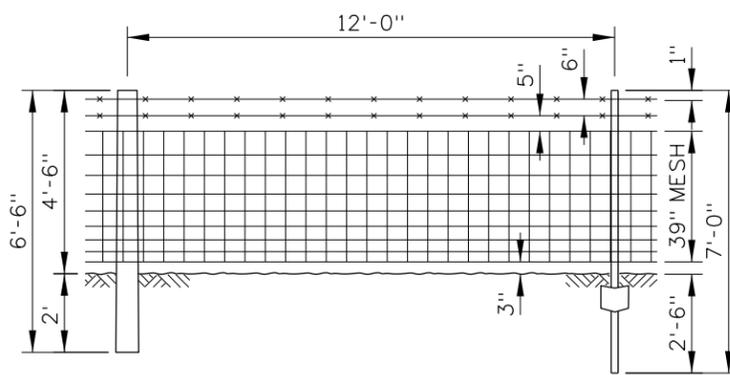
SHEET 2 OF 2



1A (WOOD)

FENCE TYPE 1

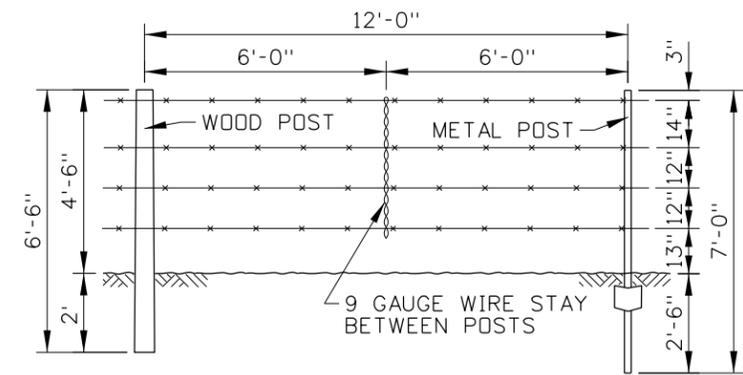
1B (METAL)



3A (WOOD)

FENCE TYPE 3

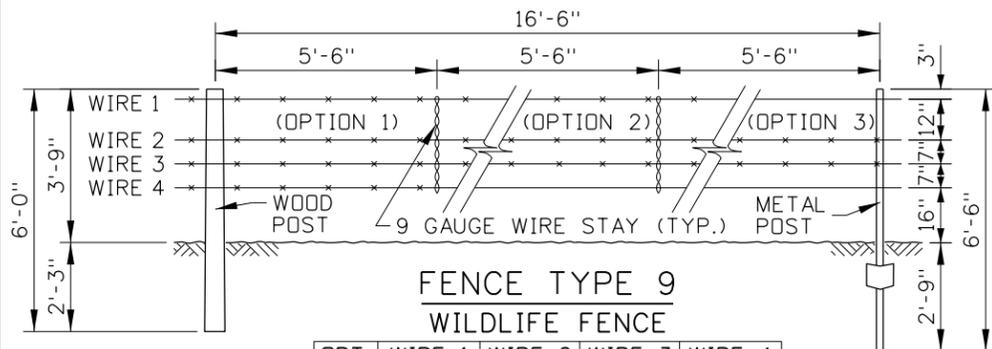
3B (METAL)



5-A (WOOD)

FENCE TYPE 5

5-B (METAL)

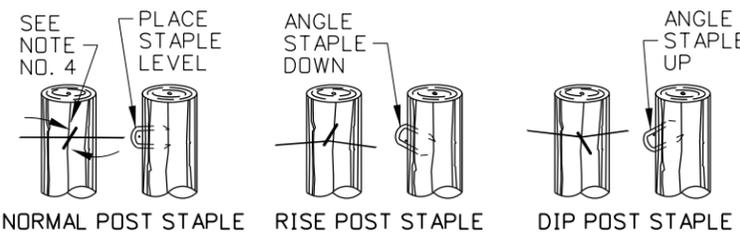


FENCE TYPE 9
WILDLIFE FENCE

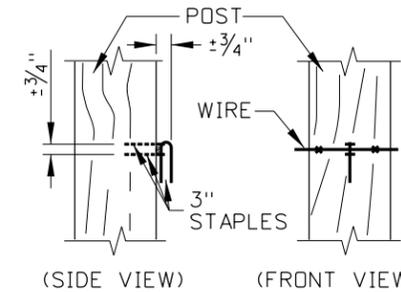
9-A
(WOOD)

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)

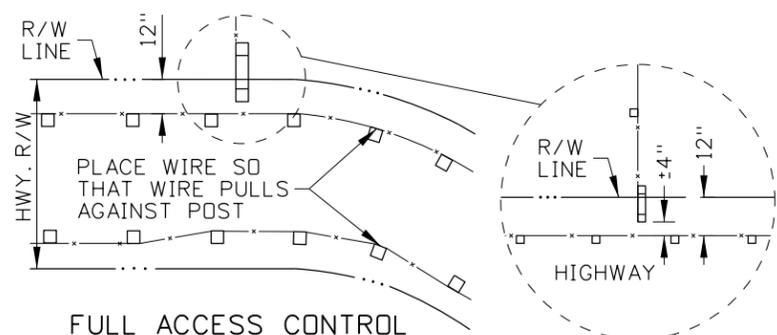


DROP FENCE STAPLE DETAIL
(SEE NOTE NO. 1)

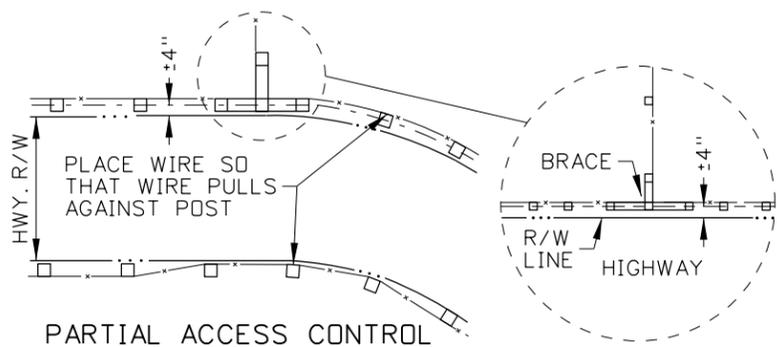
FENCE DIST. FROM TRANSMISSION LINE	kV	POST MATERIAL	GROUNDING INTERVAL
0' - 100'	500	ALL	200'
100' - 200'	500	ALL	500'
0' - 100'	345	ALL	400'
100' - 150'	345	ALL	1,000'
50' - 100'	230	ALL	500'

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°.

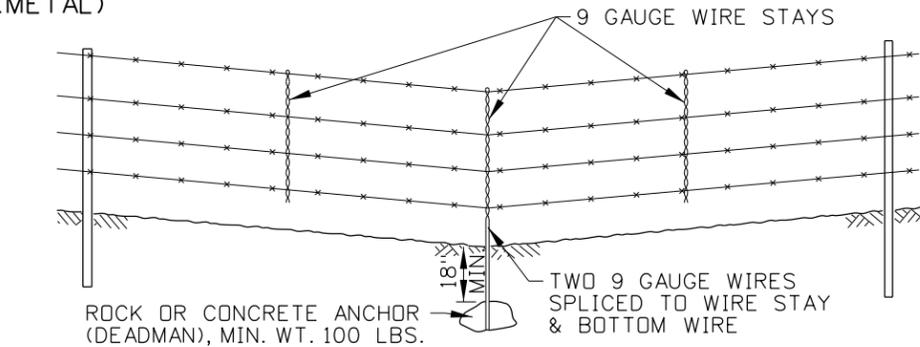


FULL ACCESS CONTROL

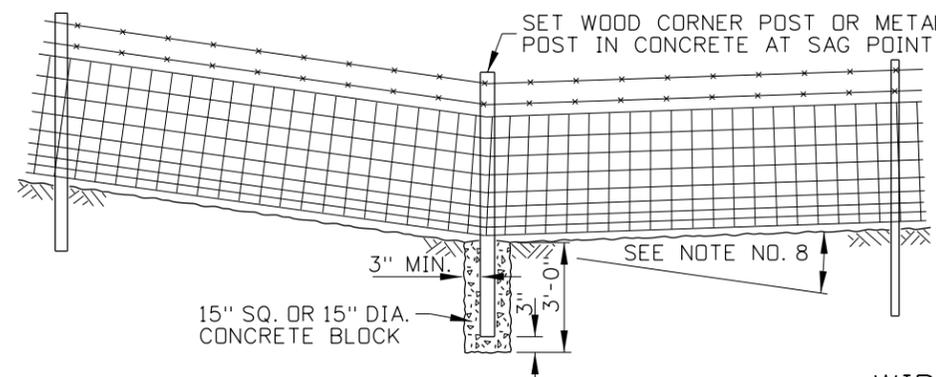


PARTIAL ACCESS CONTROL

RIGHT-OF-WAY FENCE LOCATION DETAILS

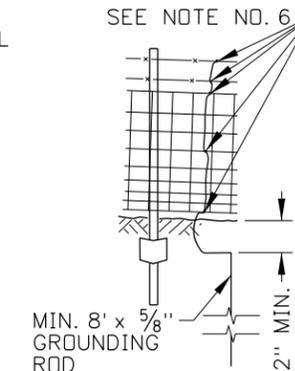
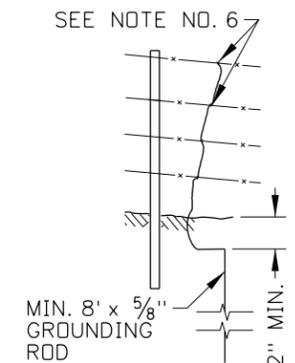


ROCK OR CONCRETE ANCHOR (DEADMAN), MIN. WT. 100 LBS.



15" SQ. OR 15" DIA. CONCRETE BLOCK

SAG DETAILS



WIRE AND WIRE MESH FENCE GROUNDING DETAILS

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

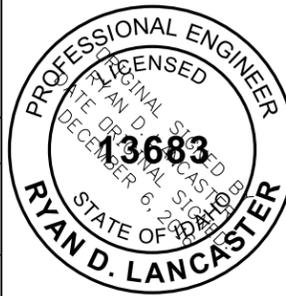
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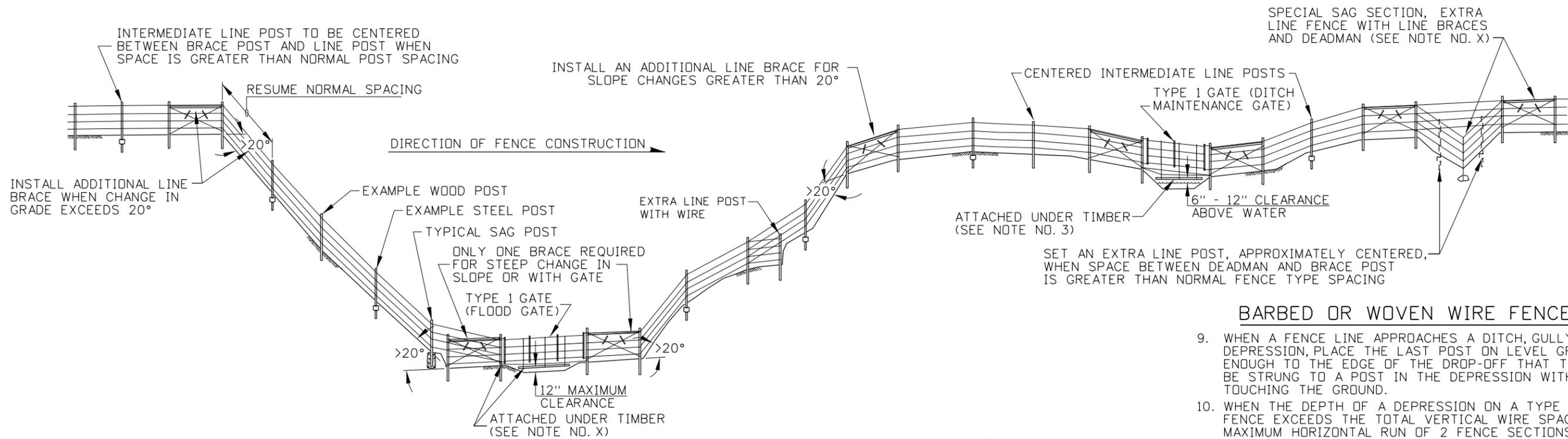
IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

ORIGINAL SIGNED BY: TED MASON
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
FENCES

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

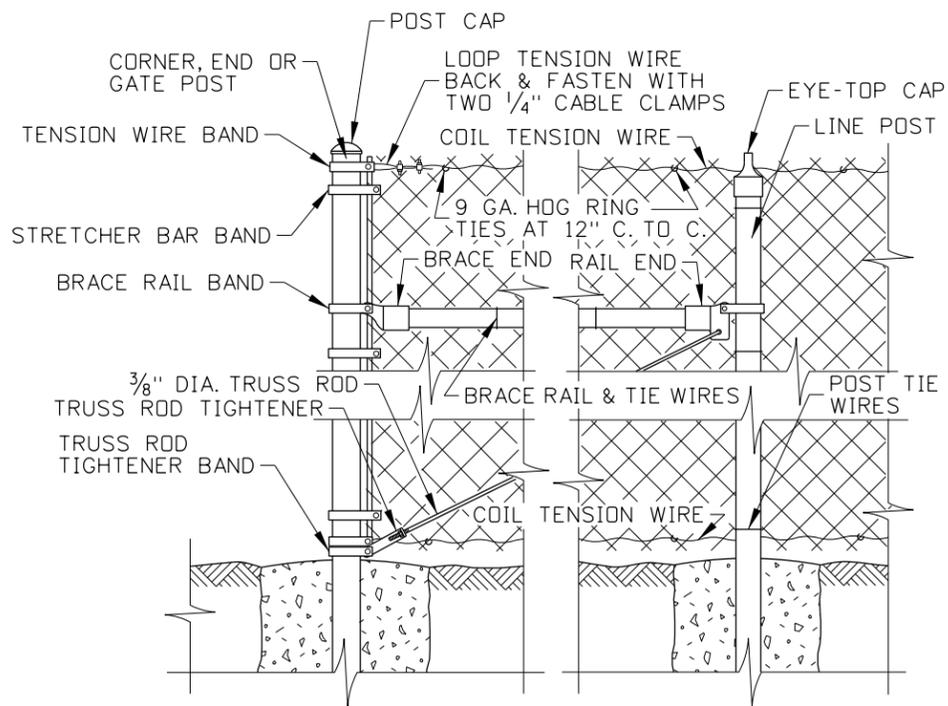




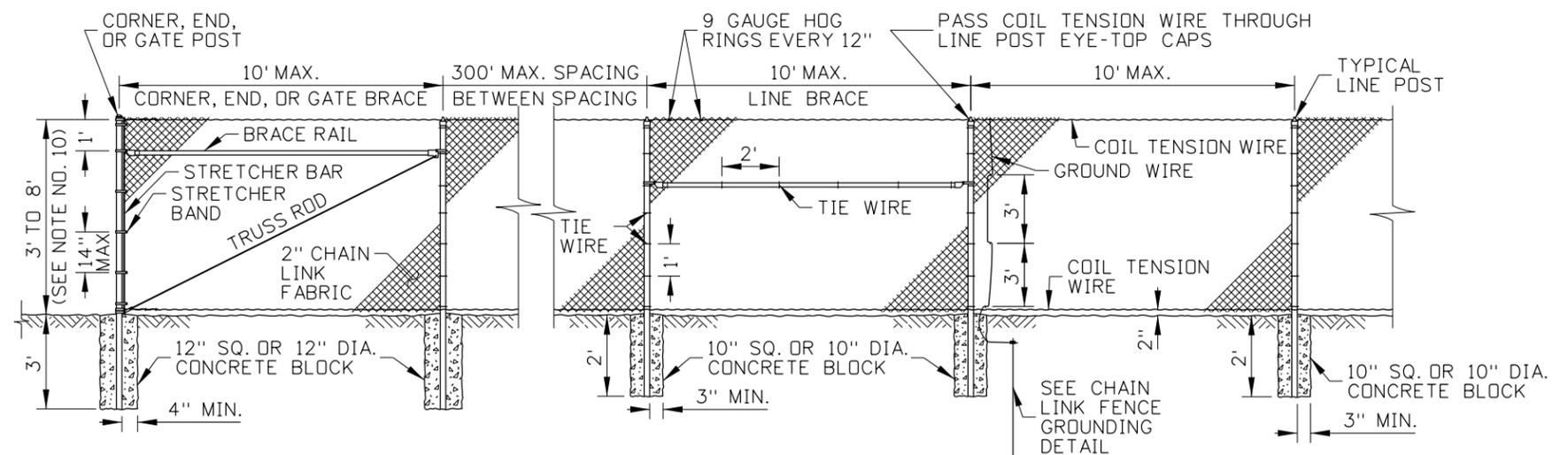
EXAMPLE FENCE APPLICATIONS
FOR FENCE TYPES 1, 3, 5, & 9

BARBED OR WOVEN WIRE FENCE NOTES

9. WHEN A FENCE LINE APPROACHES A DITCH, GULLY, OR DEPRESSION, PLACE THE LAST POST ON LEVEL GROUND CLOSE ENOUGH TO THE EDGE OF THE DROP-OFF THAT THE WIRE MAY BE STRUNG TO A POST IN THE DEPRESSION WITHOUT TOUCHING THE GROUND.
10. WHEN THE DEPTH OF A DEPRESSION ON A TYPE 1, 5, OR 9 FENCE EXCEEDS THE TOTAL VERTICAL WIRE SPACING OVER A MAXIMUM HORIZONTAL RUN OF 2 FENCE SECTIONS, CONSTRUCT AN EXTRA FENCE SECTION THROUGH THE DEPRESSION. SEE THE EXAMPLE FENCE APPLICATIONS.
11. IF THE DISTANCE BETWEEN THE GROUND AND THE BOTTOM WIRE OF A TYPE 1 GATE IS GREATER THAN 16", INSTALL AN UNDER TIMBER, ADDITIONAL WIRE, AND WIRE STAYS, AND BRACES.



FENCE TYPE 4
CHAIN LINK FENCE



FENCE TYPE 4 - CHAIN LINK FENCE DETAILS

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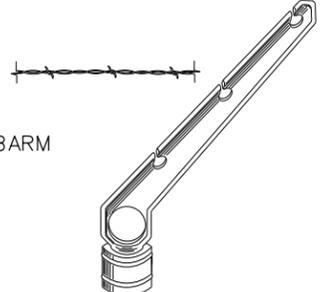
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IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

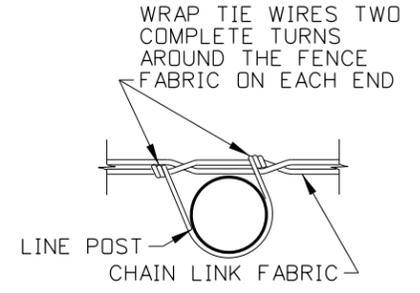
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DESIGN/TRAFFIC SERVICES ENGINEER

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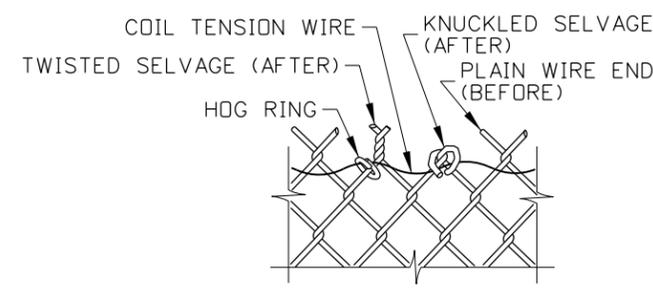
English
STANDARD DRAWING NO. 610-1
SHEET 2 OF 3

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"

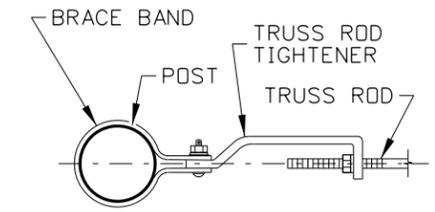
CHAIN LINK FENCE GROUNDING TABLE		
FENCE DIST. FROM TRANSMISSION LINE	kV	GROUNDING INTERVAL
0' - 100'	500	200'
100' - 200'	500	500'
0' - 100'	345	400'
100' - 150'	345	1,000'
50' - 100'	230	500'



CHAIN LINK FENCE TIE DETAIL



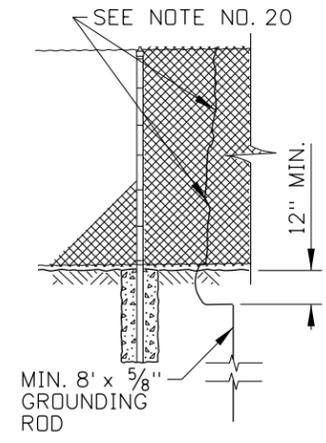
WIRE SELVAGE DETAIL
(SEE NOTE NO. 16)



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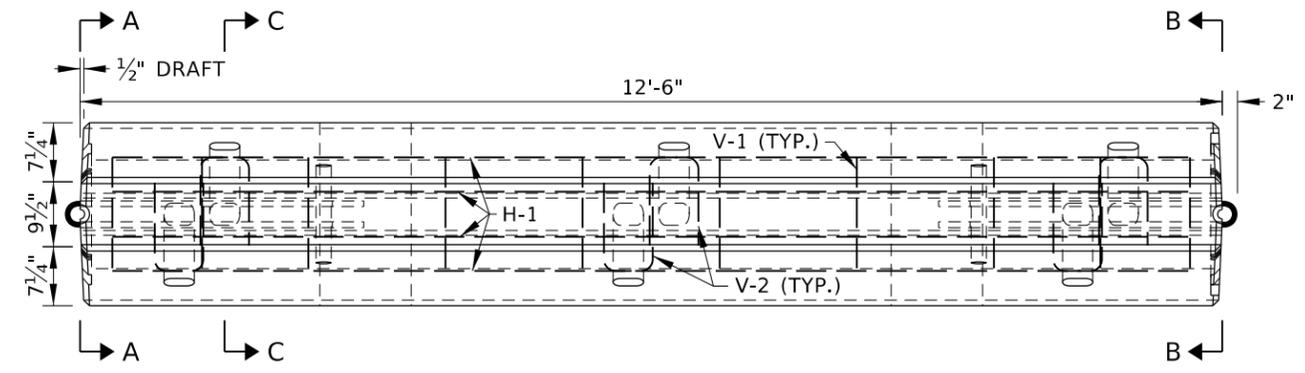
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ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

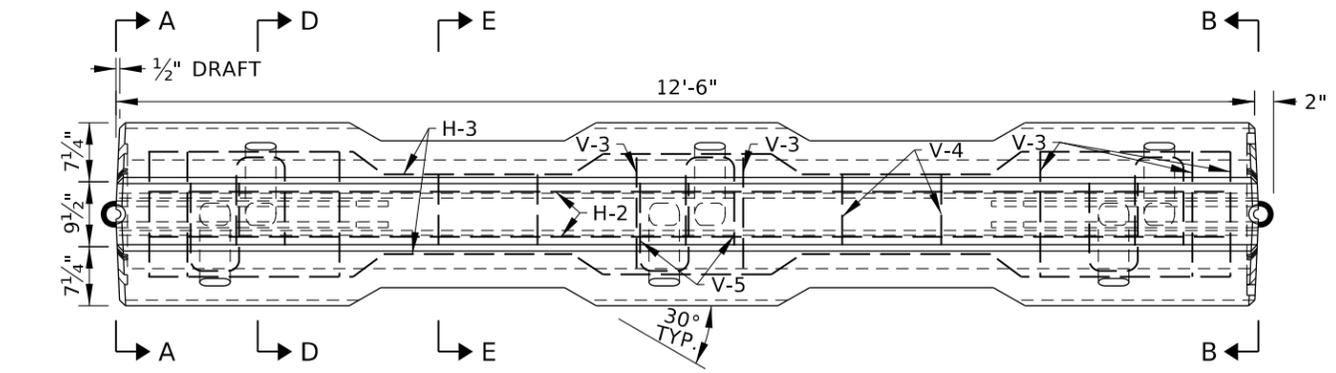
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STANDARD DRAWING NO.
610-1

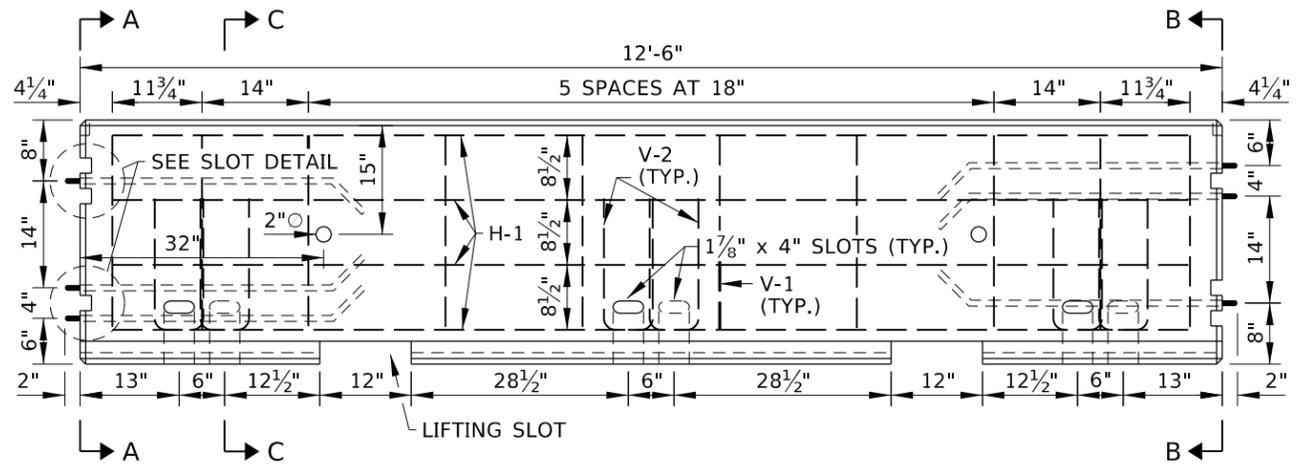
SHEET 3 OF 3



PLAN VIEW

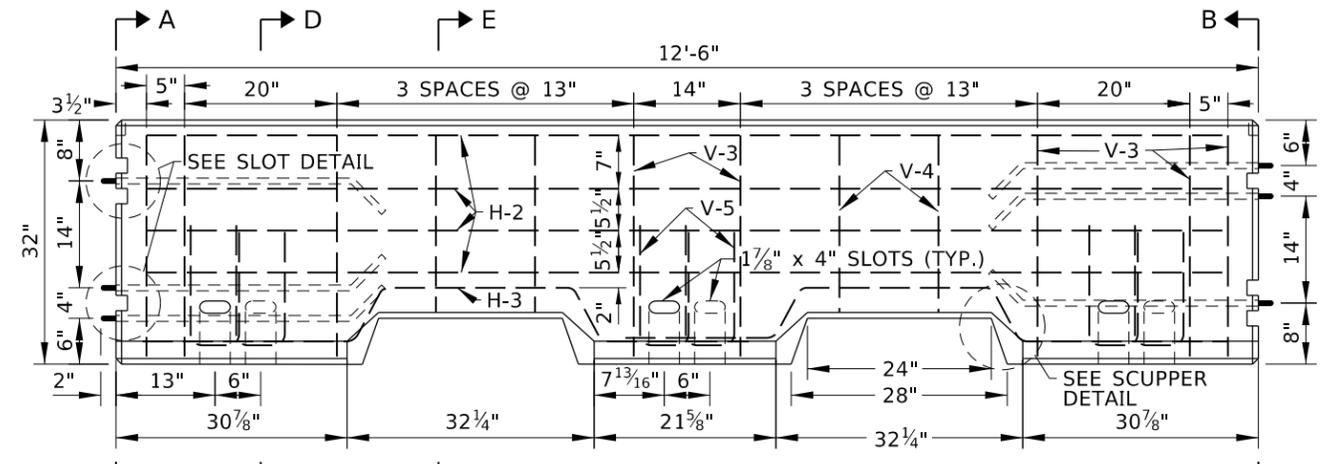


PLAN VIEW



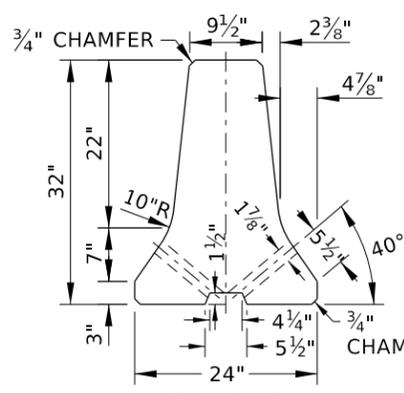
ELEVATION

PRECAST CONCRETE BARRIER

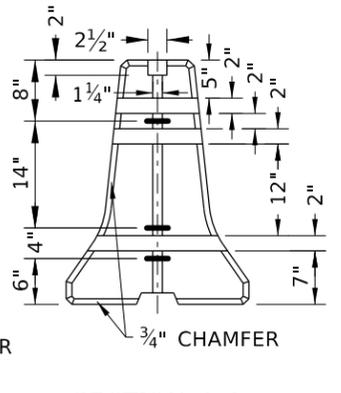


ELEVATION

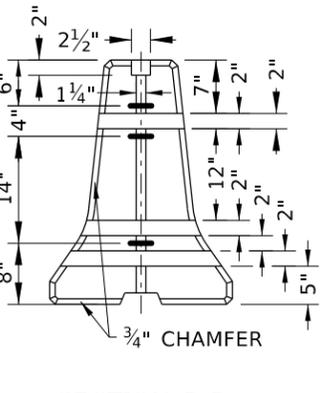
PRECAST CONCRETE BARRIER WITH SCUPPERS



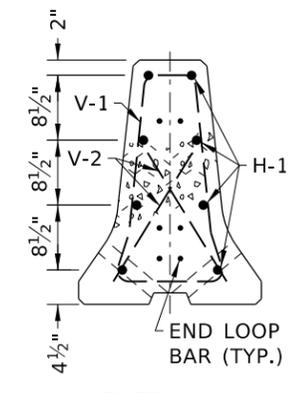
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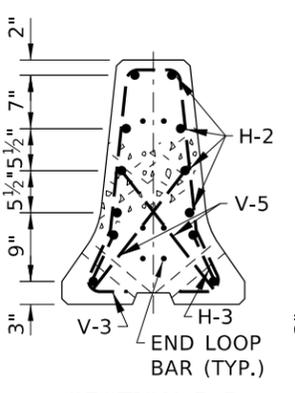
SECTION A-A



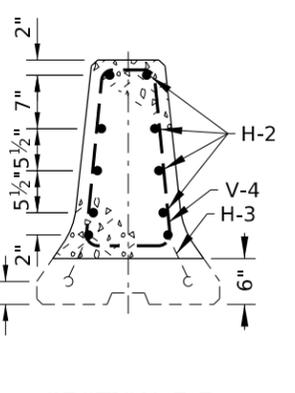
SECTION B-B



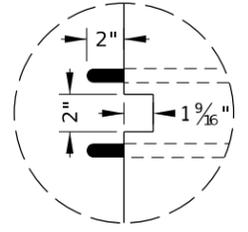
SECTION C-C



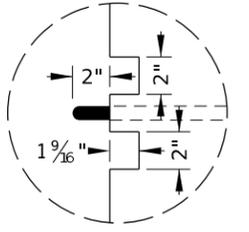
SECTION D-D



SECTION E-E



SLOT DETAIL



SCUPPER DETAIL

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	02-20	RDL							
2	04-24	RDL							

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 612-18_0424.dgn
 DRAWING DATE: MARCH 2019

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BOISE IDAHO



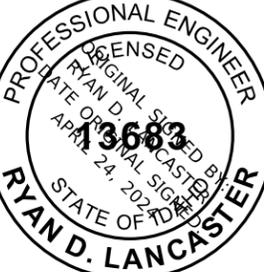
ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

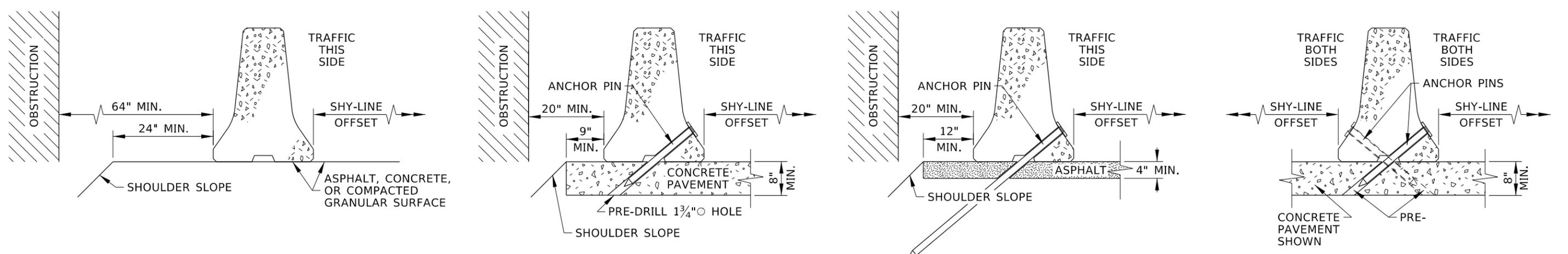
STANDARD DRAWING
PRECAST CONCRETE BARRIER

ENGLISH
 STANDARD DRAWING NO.
612-18
 SHEET 1 OF 3

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

PROFESSIONAL ENGINEER
 RYAN D. LANCASTER
 ORIGINAL SIGNED BY: RYAN D. LANCASTER
 DATE: APRIL 24, 2020
 STATE OF IDAHO
 3683



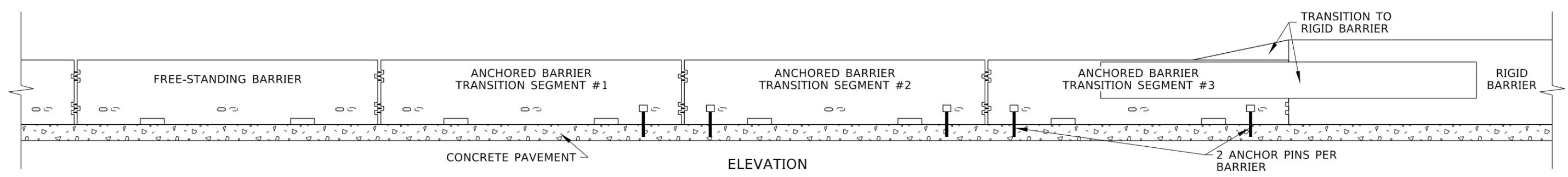


FREE-STANDING BARRIER

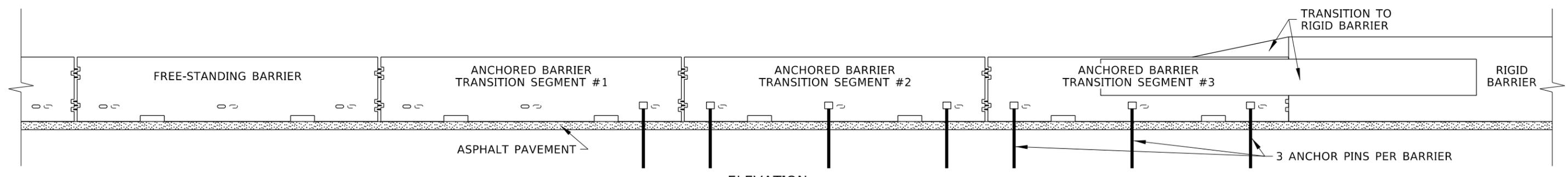
BARRIER ANCHOR PINNED TO CONCRETE PAVEMENT

BARRIER ANCHOR PINNED TO ASPHALT PAVEMENT

MEDIAN BARRIER ANCHOR PINNED



ELEVATION



ELEVATION

TRANSITION FROM FREE-STANDING TO ANCHOR PINNED AND FROM ANCHOR PINNED TO RIGID BARRIER
SEE NOTE NOS. 7 AND 8

CONCRETE BARRIER SHY-LINE OFFSET AND FLARE RATE TABLE

DESIGN SPEED (MPH)	SHY-LINE OFFSET (FT)	BARRIER FLARE RATE		
		INSIDE SHY LINE	AT OR BEYOND SHY LINE	
			NOT STAKED	STAKED
70	9	30:1	15:1	20:1
60	8	26:1	14:1	18:1
55	7	24:1	12:1	16:1
50	6.5	21:1	11:1	14:1
45	6	18:1	10:1	12:1
40	5	16:1	8:1	10:1
30	4	13:1	7:1	8:1

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

REVISIONS

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-20	RDL						
2	04-24	RDL						

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DRAWING DATE: MARCH 2019

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BOISE IDAHO

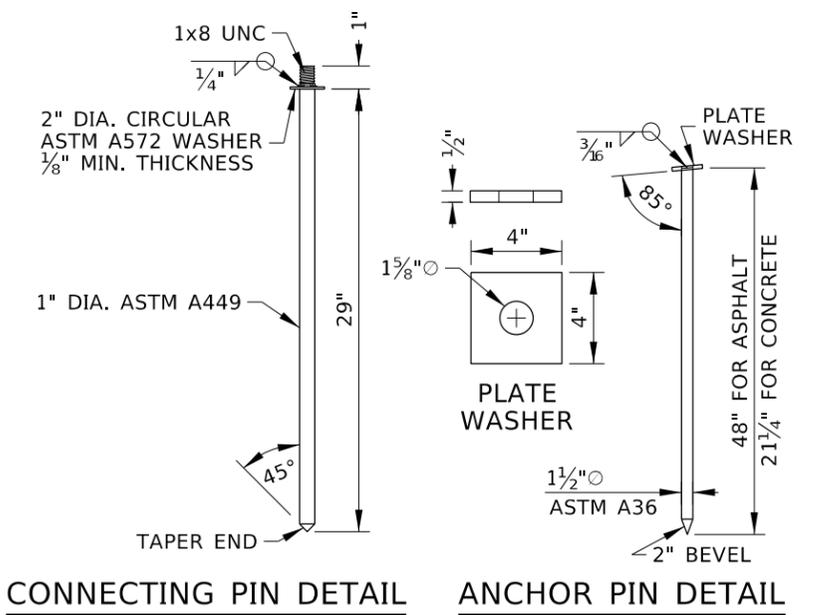
STANDARD DRAWING
PRECAST CONCRETE BARRIER
ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING NO.
612-18
SHEET 2 OF 3

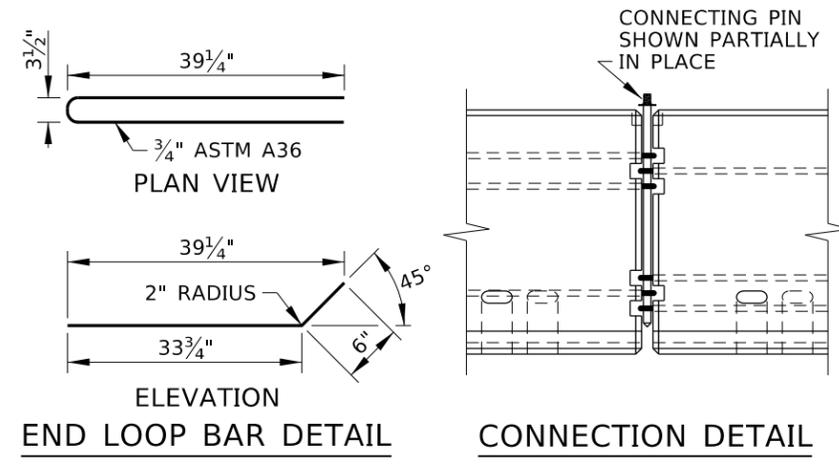
ENGLISH
STANDARD DRAWING NO.
612-18
SHEET 2 OF 3

PROFESSIONAL ENGINEER
RYAN D. LANCASTER
APR 24, 2020
STATE OF IDAHO

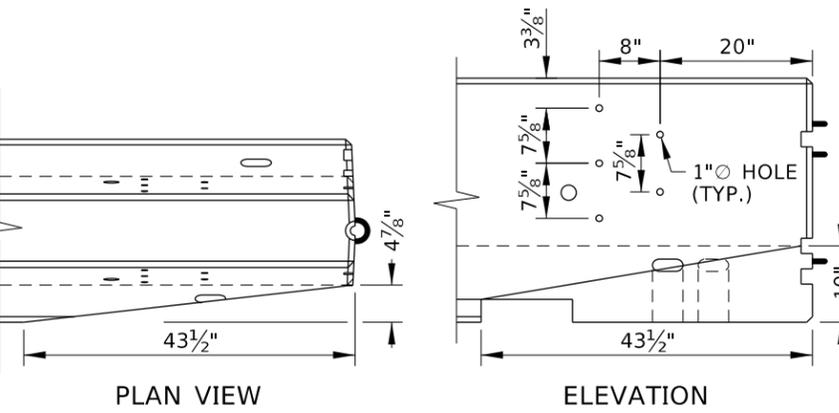
REINFORCING STEEL TABLE				
MARK	LOCATION	BAR SIZE	NUMBER OF BARS	SKETCH
H-1	HORIZONTAL BAR. TIED INSIDE V-1 BARS.	NO. 4	8	11'-10"
H-2	HORIZONTAL BAR. TIED INSIDE V-3 AND V-4 BARS.	NO. 4	8	12'
H-3	HORIZONTAL BAR OVER SCUPPERS. TIED INSIDE V-3 AND V-4 BARS.	NO. 4	8	
V-1	VERTICAL BAR.	NO. 4	10	
V-2	VERTICAL BAR AROUND SLOTS.	NO. 4	6	
V-3	VERTICAL BAR 3.	NO. 4	8	
V-4	VERTICAL BAR 3.	NO. 4	4	
V-5	VERTICAL BAR AROUND SLOTS.	NO. 4	6	



CONNECTING PIN DETAIL **ANCHOR PIN DETAIL**



END LOOP BAR DETAIL **CONNECTION DETAIL**



PLAN VIEW **ELEVATION**

CHAMFERED PCB FOR GUARDRAIL TRANSITIONS

SEE NOTE NO. 8

NOTES

1. THE PRECAST CONCRETE BARRIER (PCB) SHOWN IS A MASH TEST LEVEL 3 LONGITUDINAL BARRIER SYSTEM. THE BARRIER USES THE F-SHAPE CROSS SECTION.
2. USE THE PRECAST CONCRETE BARRIER WITH SCUPPERS WHEN STORMWATER IS INTENDED TO PASS THROUGH THE BARRIER. DO NOT COVER OR GROUT LIFING SLOTS OR SPACE BETWEEN PCB SEGMENTS.
3. PRECAST USING CLASS 50AF CONCRETE. CHAMFER TOP, BOTTOM, AND ENDS 3/4". PROVIDE 2" MINIMUM CONCRETE COVER OVER REINFORCING STEEL. A 2" WHITE PVC SLEEVE MAY BE USED TO FORM THE LIFTING HOLE. IF USED, LEAVE THE PVC SLEEVE IN PLACE.
4. PLACE PCB AS FAR FROM THE TRAVELED WAY AS PRACTICAL. WHERE PRACTICAL, PROVIDE THE SHY-LINE OFFSET DISTANCE SHOWN IN THE SHY-LINE OFFSET TABLE.
5. PIN CONNECT PCB SEGMENTS. REMOVE SLACK BETWEEN PCB SEGMENTS AFTER INSERTING CONNECTING PIN. PCB MAY BE ANGLED APPROXIMATELY 7 DEGREES AT CONNECTIONS.
6. PROVIDE THE CALCULATED LENGTH OF NEED UPSTREAM FROM HAZARDS AND PROVIDE AT LEAST THREE PCB SEGMENTS DOWNSTREAM OF HAZARDS. DO NOT INSTALL FEWER THAN SIX PCB SEGMENTS.
7. THE PCB CAN BE INSTALLED FREE-STANDING OR ANCHOR PINNED TO PAVEMENT.
 - A. IF FREE-STANDING, ANCHOR THE TWO PCB SEGMENTS NEAREST THE END (NOT COUNTING A CONCRETE BARRIER TERMINAL) WITH ANCHOR PINS AS DESCRIBED IN NOTE NO. 7B.
 - B. IF ANCHOR PINNED, USE TWO PINS IN EACH PCB SEGMENT INSTALLED ON CONCRETE PAVEMENT AND USE THREE PINS IN EACH PCB SEGMENT INSTALLED ON ASPHALT PAVEMENT. IF ANCHOR PINNED IN A MEDIAN, INSTALL ANCHOR PINS ON BOTH SIDES OF THE BARRIER (4 TOTAL ON CONCRETE PAVEMENT, 6 TOTAL ON ASPHALT PAVEMENT). PRE-DRILL ANCHOR PIN HOLES IN CONCRETE PAVEMENT USING THE SLOT AS A GUIDE.
8. TRANSITION FROM FREE-STANDING PCB TO ANCHOR PINNED PCB OR OTHER BARRIERS AS FOLLOWS:
 - A. WHEN TRANSITIONING TO ANCHOR PINNED PCB, INSTALL ONE ANCHOR PIN IN THE SLOT OF THE LAST FREE-STANDING SEGMENT CLOSEST TO THE FIRST ANCHOR PINNED SEGMENT.
 - B. WHEN TRANSITIONING TO RIGID BARRIER (SUCH AS CAST-IN-PLACE CONCRETE BARRIER OR BRIDGE RAIL/PARAPET), TRANSITION FIRST TO ANCHOR PINNED PCB(MINIMUM THREE SEGMENTS), THEN TO THE RIGID BARRIER. CUT OFF THE END LOOPS OF THE LAST SEGMENT OF PCB IN THE F-SHAPE TO SINGLE SLOPE TRANSITION.
 - C. WHEN TRANSITIONING TO W-BEAM GUARDRAIL, ANCHOR PIN THE LAST THREE PCB SEGMENTS AND CONNECT TO A GUARDRAIL TRANSITION. CHAMFER THE LAST SEGMENT AS SHOWN.
9. WHERE PRACTICAL, FLARE THE UPSTREAM END OF THE BARRIER IN FOLLOWING THE CONCRETE BARRIER SHY-LINE OFFSET AND FLARE RATE TABLE.
10. TERMINATE THE BARRIER WITH A CRASHWORTHY END TREATMENT OR TRANSITION TO ANOTHER BARRIER SYSTEM. ACCEPTABLE END TREATMENTS INCLUDE TAPERING THE BARRIER OUTSIDE OF THE CLEAR ZONE, TRANSITIONING TO W-BEAM GUARDRAIL, A CRASH CUSHION, A PRECAST CONCRETE BARRIER TERMINAL, OR TRANSITION TO A BRIDGE RAIL OR PARAPET. WHEN CONNECTING THE F-SHAPE PRECAST CONCRETE BARRIER TO A NEW JERSEY SHAPE PRECAST CONCRETE BARRIER, USE THE F-SHAPE TO NEW JERSEY SHAPE TRANSITION.
11. DRAWINGS NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-20	RDL						
2	04-24	RDL						

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 CADD FILE NAME: 612-18_0424.dgn
 DRAWING DATE: MARCH 2019

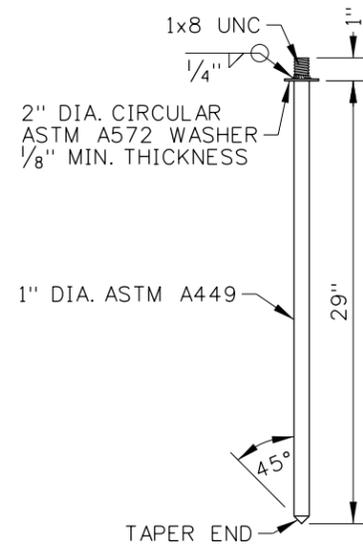
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ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

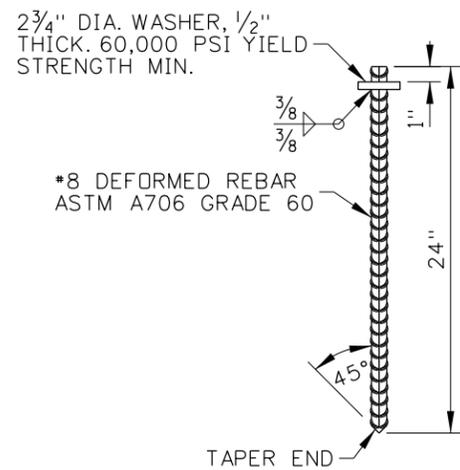
STANDARD DRAWING
PRECAST CONCRETE BARRIER

ENGLISH
 STANDARD DRAWING NO.
612-18
 SHEET 3 OF 3

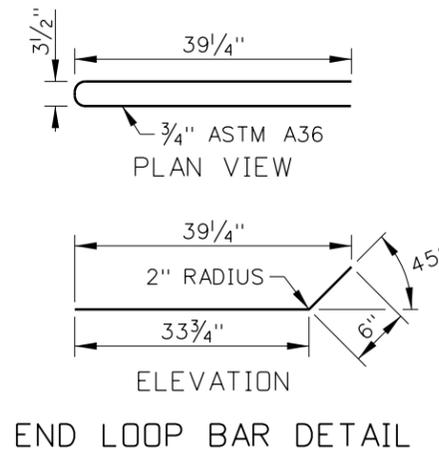
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



CONNECTING PIN DETAIL

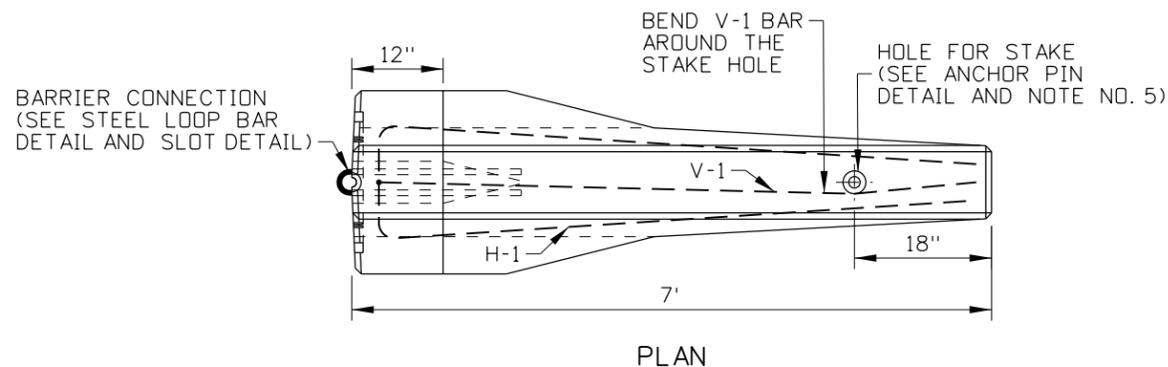


ANCHOR PIN DETAIL

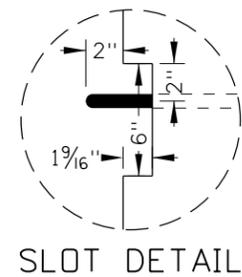


END LOOP BAR DETAIL

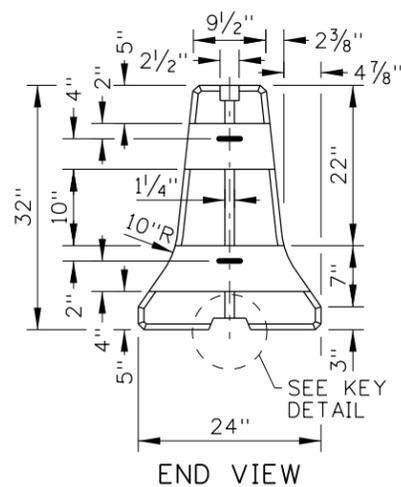
TERMINAL TYPE A REINFORCING STEEL TABLE				
MARK	LOCATION	BAR SIZE	NUMBER OF BARS	SKETCH
H-1	HORIZONTAL BAR.	NO. 5	1	<p>14'-6" TOTAL BAR LENGTH</p>
V-1	VERTICAL BAR.	NO. 5	1	<p>9'-2" TOTAL BAR LENGTH</p>



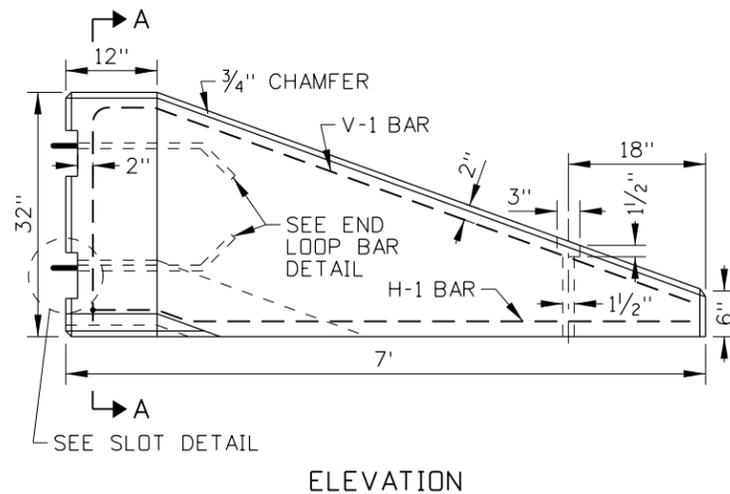
PLAN



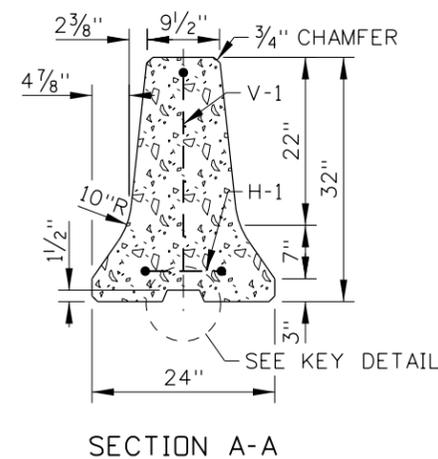
SLOT DETAIL



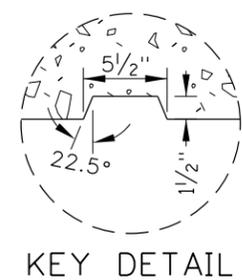
END VIEW



ELEVATION



SECTION A-A



KEY DETAIL

TERMINAL TYPE A

REVISIONS							
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2	08-86	GB	7	09-93	MSM	12	11-14
3	06-87	GB	8	02-96	MSM	13	03-19
4	04-89	GB	9	01-00	MSM	14	02-20
5	01-91	GB	10	12-04	MSM		

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 CADD FILE NAME: 612-20_0420.dgn
 DRAWING DATE: NOVEMBER, 1974

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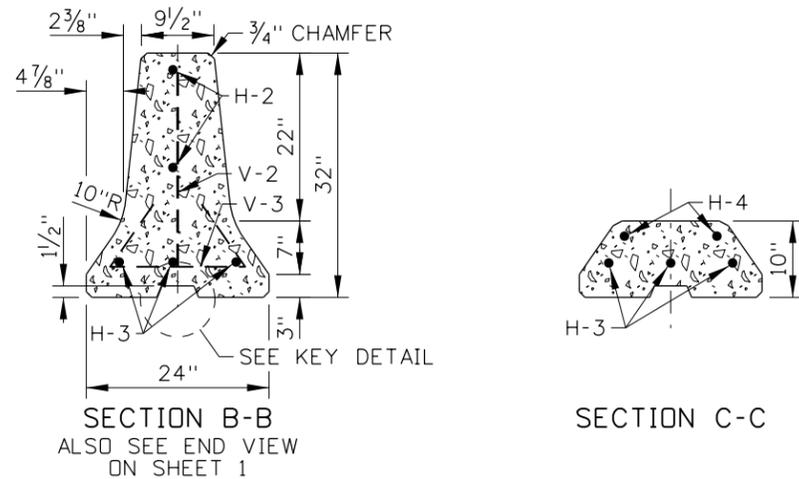
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

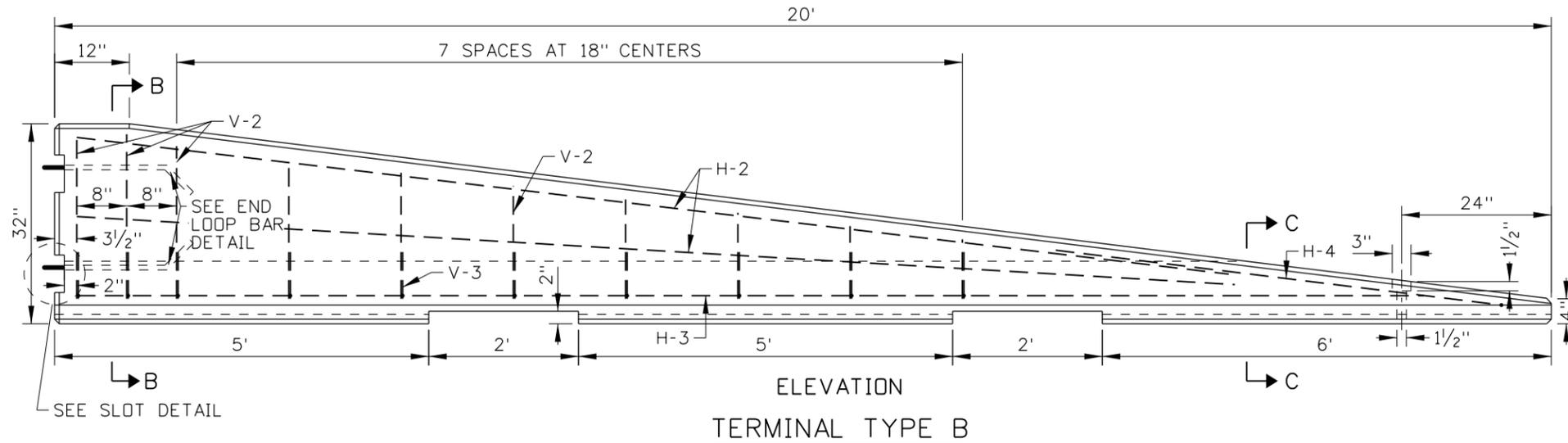
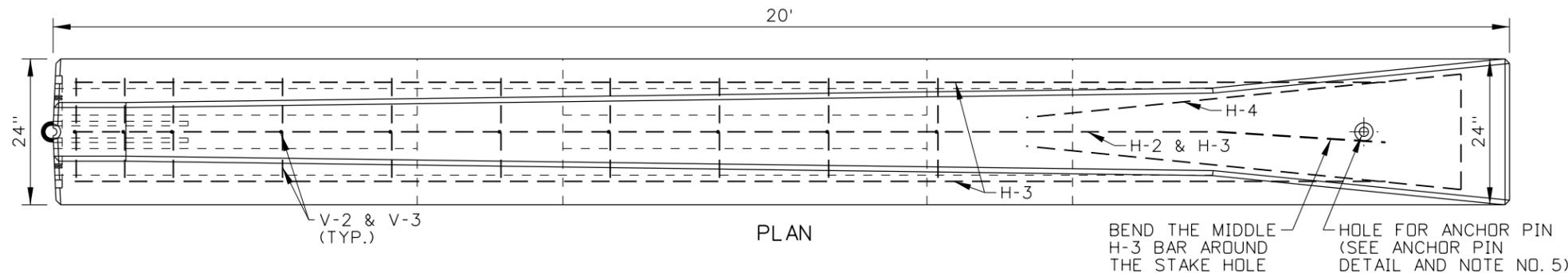
STANDARD DRAWING
PRECAST CONCRETE BARRIER TERMINALS

English
 STANDARD DRAWING NO. 612-20
 SHEET 1 OF 2

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



TERMINAL TYPE B REINFORCING STEEL TABLE																								
MARK	LOCATION	BAR SIZE	NUMBER OF BARS	SKETCH																				
H-2	HORIZONTAL BAR. TIED TO V-1 BARS.	NO. 5	2	15'-6"																				
H-3	HORIZONTAL BAR. TIED TO V2 BARS.	NO. 5	3	18'																				
H-4	HORIZONTAL BAR. AT END OF BARRIER ALONG TOP SLOPE.	NO. 5	1	6'-0" (sketch), 13'-10" TOTAL BAR LENGTH (text)																				
V-2	VERTICAL BAR.	NO. 5	10	<table border="1"> <thead> <tr> <th>L (IN.)</th> <th>QTY.</th> </tr> </thead> <tbody> <tr><td>26</td><td>2</td></tr> <tr><td>25</td><td>1</td></tr> <tr><td>23</td><td>1</td></tr> <tr><td>21</td><td>1</td></tr> <tr><td>18</td><td>1</td></tr> <tr><td>16</td><td>1</td></tr> <tr><td>14</td><td>1</td></tr> <tr><td>12</td><td>1</td></tr> <tr><td>10</td><td>1</td></tr> </tbody> </table>	L (IN.)	QTY.	26	2	25	1	23	1	21	1	18	1	16	1	14	1	12	1	10	1
L (IN.)	QTY.																							
26	2																							
25	1																							
23	1																							
21	1																							
18	1																							
16	1																							
14	1																							
12	1																							
10	1																							
V-3	VERTICAL BAR. TIE TO V-1 AND H-2 BARS.	NO. 5	10	3'-2" TOTAL BAR LENGTH (sketch), 18" (sketch)																				



NOTES

1. THE TYPE A TERMINAL MAY BE USED ON THE TRAILING END OF PRECAST CONCRETE BARRIER IF THE TERMINAL IS OUTSIDE OF THE CLEAR-ZONE OF TRAVEL LANES IN THE OPPOSING DIRECTION.
2. THE TYPE B TERMINAL MAY BE USED WITHIN THE CLEAR-ZONE WHEN TRAFFIC SPEEDS ARE 40 MPH OR LESS AND THE AVAILABLE SPACE IS LIMITED BY RIGHT-OF-WAY CONSTRAINTS OR THE OTHER ROADSIDE FEATURES THAT PRECLUDE USING A GUARDRAIL TERMINAL OR CRASH CUSHION.
3. PRECAST TYPE A TERMINAL WITH CLASS 30AF OR HIGHER STRENGTH CONCRETE. PRECAST TYPE B TERMINAL WITH CLASS 50AF CONCRETE. CHAMFER TOP, BOTTOM, AND ENDS 3/4". PROVIDE 2" MINIMUM CONCRETE COVER OVER REINFORCING STEEL.
4. PIN CONNECT THE TERMINALS TO CONCRETE BARRIERS.
5. ANCHOR PIN THE TERMINALS AT THE TAPERED END. ENSURE THE ANCHOR PIN DOES NOT PROTRUDE BEYOND THE EXTERIOR OF THE TERMINAL SURFACE.
6. DRAWING NOT TO SCALE.

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REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
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2	08-86	GB	7	09-93	MSM	12	11-14	RDL
3	06-87	GB	8	02-96	MSM	13	03-19	RDL
4	04-89	GB	9	01-00	MSM	14	02-20	PBH
5	01-91	GB	10	12-04	MSM			

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BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

PRECAST CONCRETE BARRIER TERMINALS

English

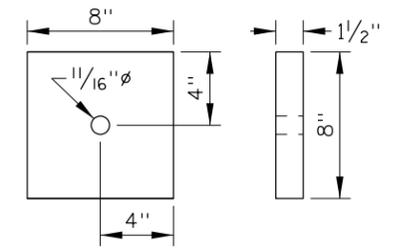
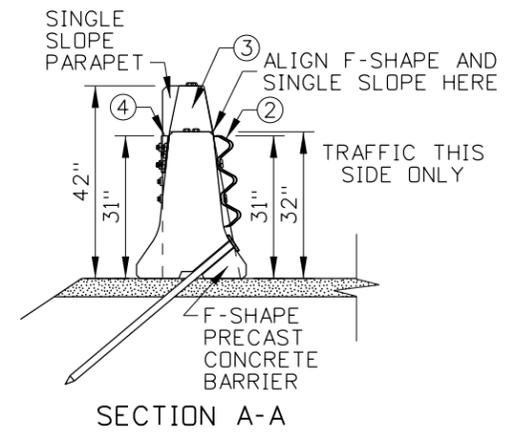
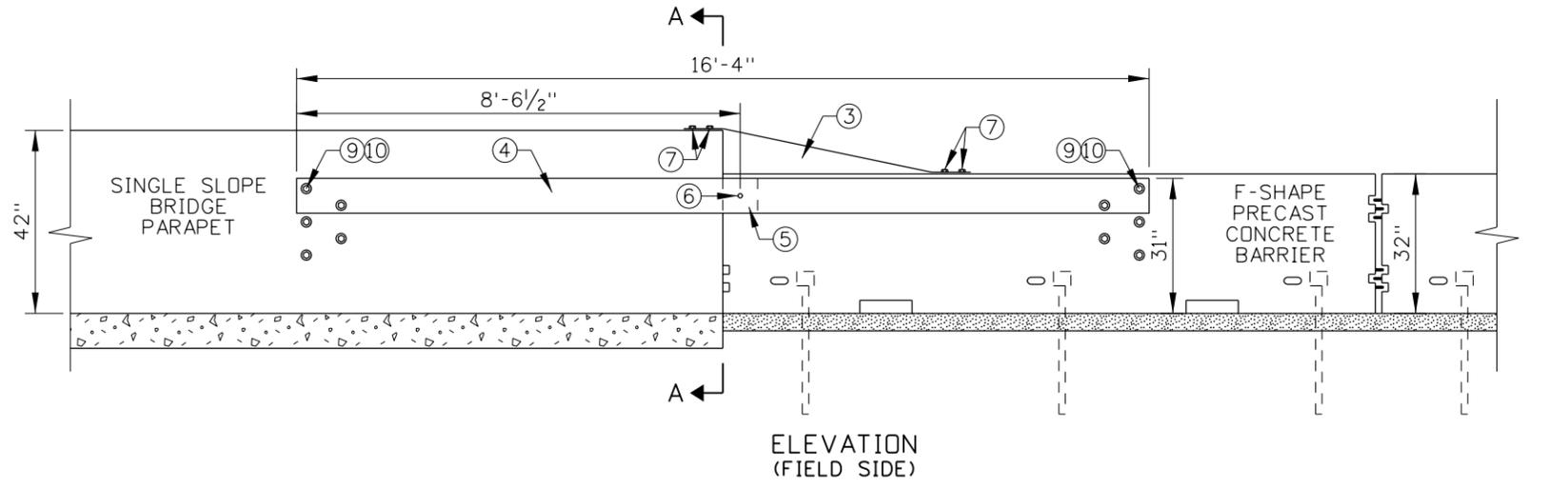
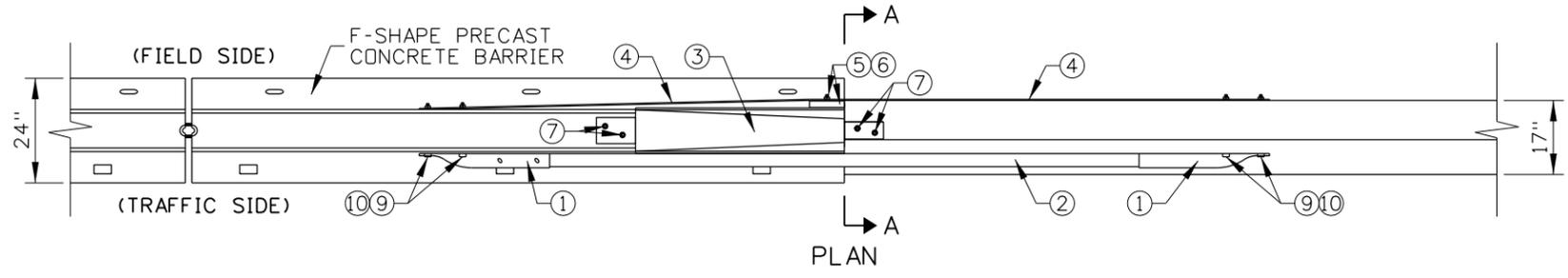
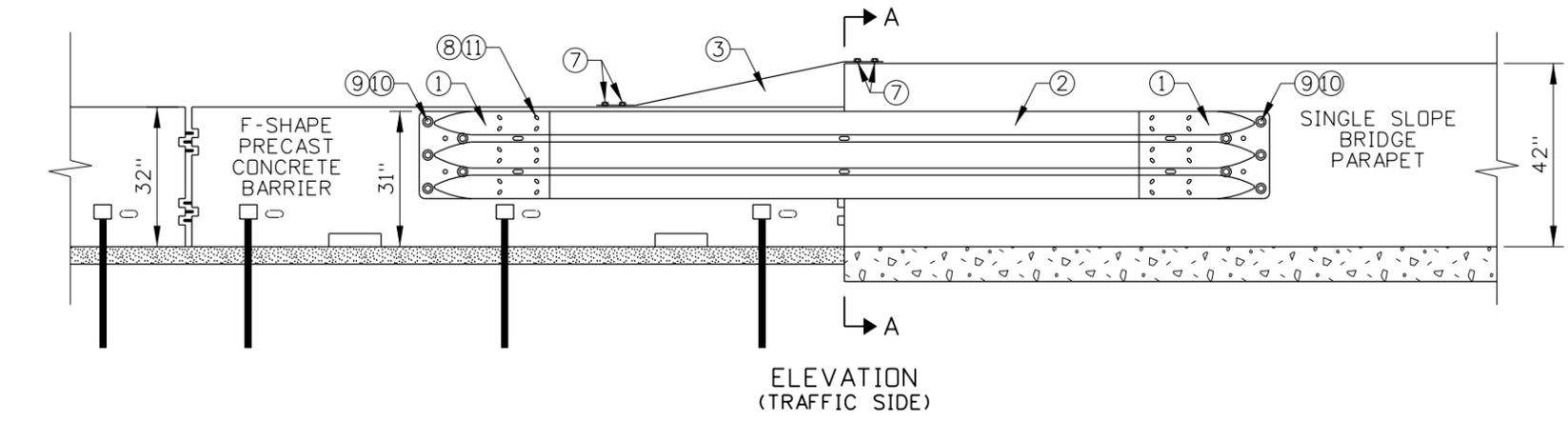
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612-20

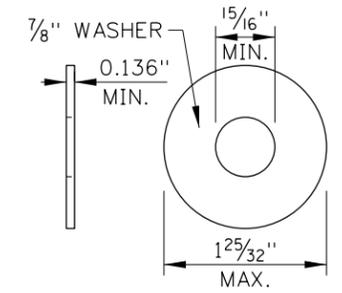
SHEET 2 OF 2



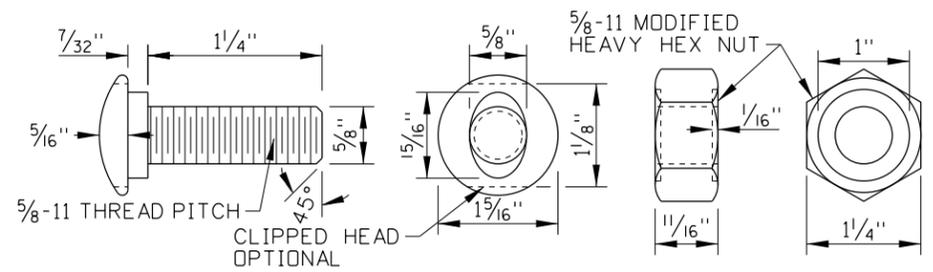
F-SHAPE TO SINGLE SLOPE TRANSITION HARDWARE COMPONENTS TABLE			
ITEM NO.	COMPONENT DESCRIPTION	QTY.	TF-13 NAME
①	THRIE-BEAM TERMINAL CONNECTOR	2	RTE01b
②	2-SPACE NESTED THRIE-BEAM GUARDRAIL	2	RTM02b
③	TRANSITION CAP	1	-
④	FIELD SIDE STRAP	1	-
⑤	8" x 8" x 1/2" WOOD SPACER BLOCK	1	-
⑥	5/8" x 4" CARRIAGE BOLT AND NUT (NOT SHOWN)	1	-
⑦	1/2" x 6 1/2" ANCHOR BOLT (NOT SHOWN)	4	-
⑧	5/8" GUARDRAIL SPLICE BOLT AND RECESSED NUT	24	FBB01
⑨	7/8" x 16" STRUCTURAL HEX BOLT & NUT	10	FBX22b
⑩	7/8" HARDENED ROUND WASHER (NOT SHOWN)	10	FWC22b
⑪	RECTANGULAR GUARDRAIL PLATE WASHER	24	FWR03



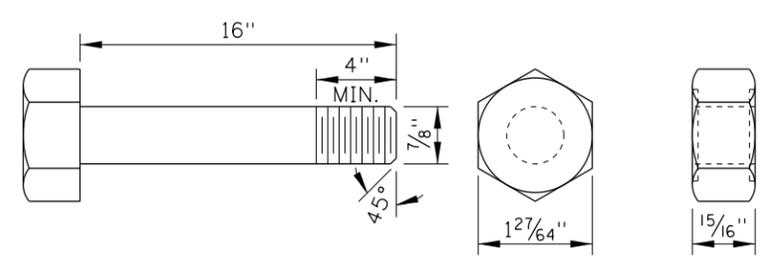
⑤ WOOD SPACER BLOCK DETAIL



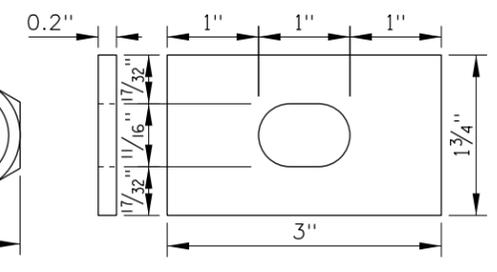
⑩ HARDENED ROUND WASHER
FWC22b



⑧ GUARDRAIL BOLT AND RECESSED NUT
FBB01



⑨ STRUCTURAL HEX BOLT AND NUT
FBX22b



⑪ RECTANGULAR GUARDRAIL
PLATE WASHER
FWR03, SEE NOTE NO. 7

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

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

SCALES SHOWN
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PRINTS ONLY
CADD FILE NAME:
612-25_0419.dgn
DRAWING DATE:
MARCH, 2019

IDAHO
TRANSPORTATION
DEPARTMENT

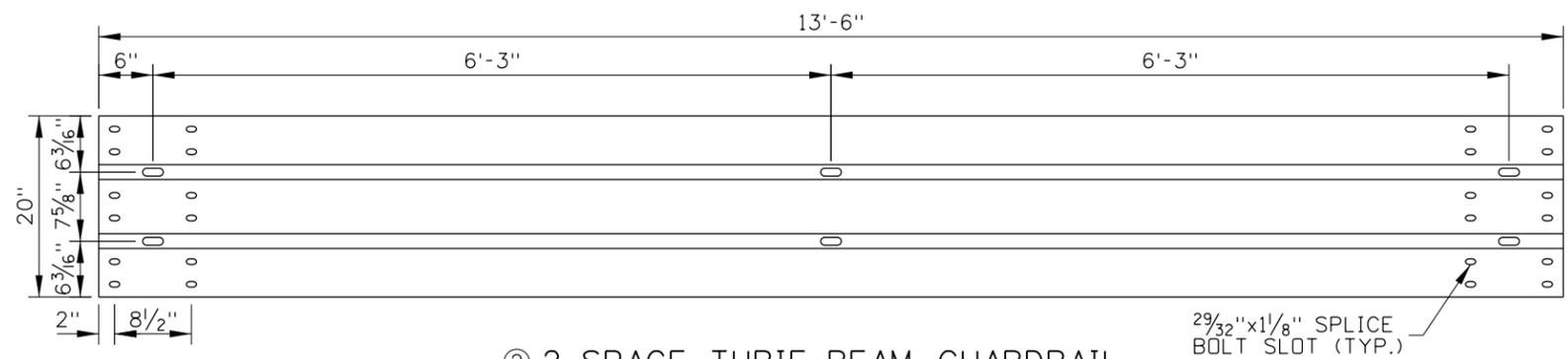
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
F-SHAPE TO SINGLE SLOPE
TRANSITION

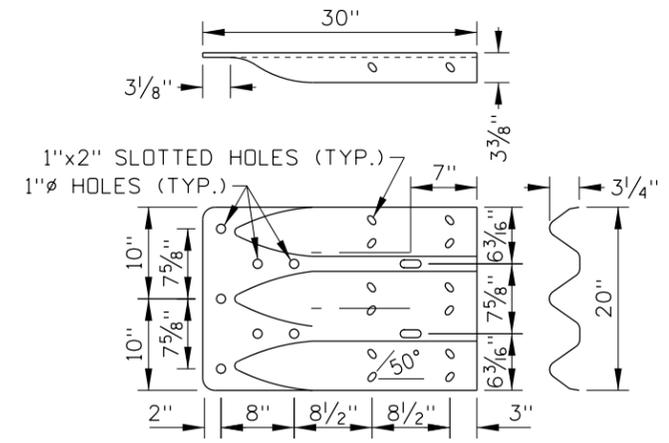
English
STANDARD DRAWING NO.
612-25
SHEET 1 OF 2

PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
STATE OF IDAHO
13683

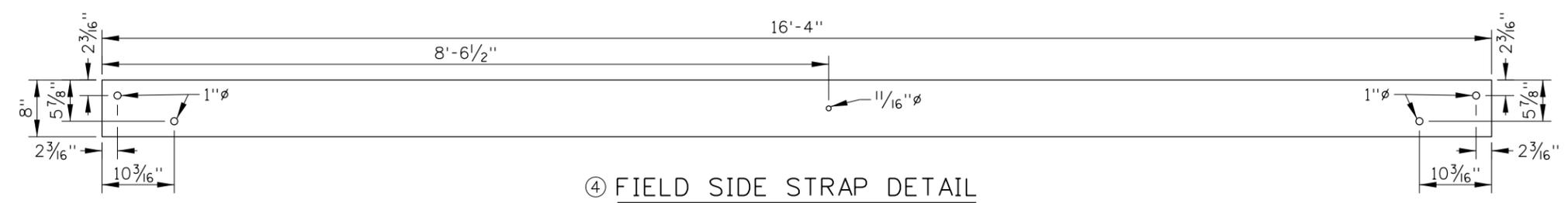


② 2-SPACE THRIE-BEAM GUARDRAIL
RTM02b

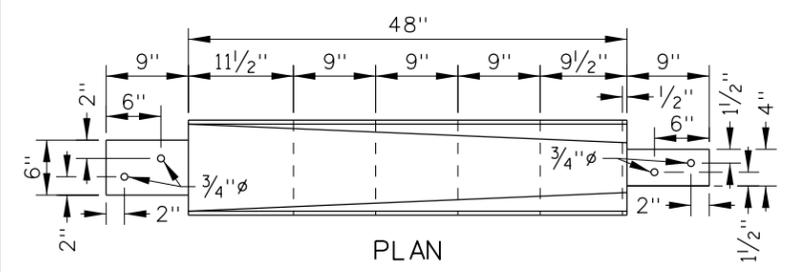
29/32"x1/8" SPLICE BOLT SLOT (TYP.)



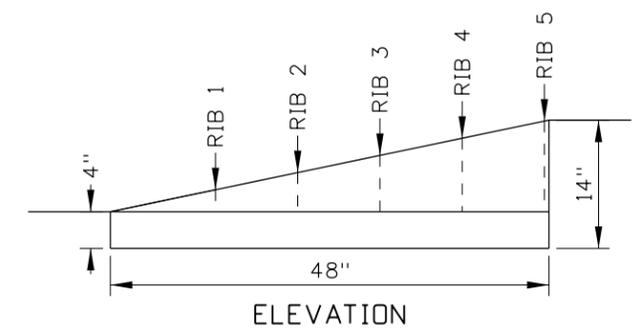
THRIE-BEAM
① TERMINAL CONNECTOR
RTE01b (10 GAUGE)



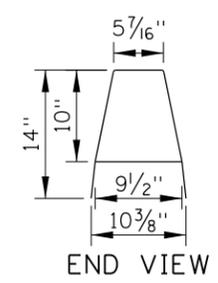
④ FIELD SIDE STRAP DETAIL
SEE NOTE NO. 5



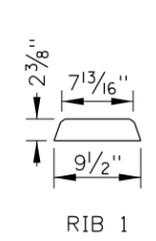
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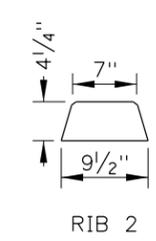
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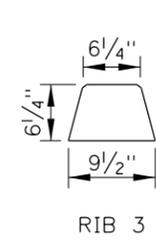
END VIEW



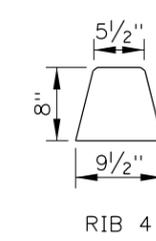
RIB 1



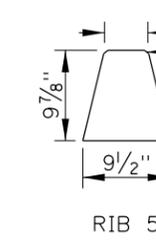
RIB 2



RIB 3



RIB 4



RIB 5

SEE NOTE NO. 6

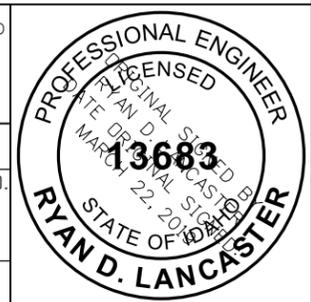
RIB DETAIL
SEE NOTE NO. 6

③ TRANSITION CAP DETAIL
SEE NOTE NOS. 4 THROUGH 6

NOTES

- USE THE TRANSITION TO CONNECT F-SHAPE PRECAST CONCRETE BARRIER TO 42" SINGLE SLOPE BRIDGE PARAPET. THE F-SHAPE TO SINGLE SLOPE TRANSITION SHOWN IS A MASH TEST LEVEL 3 SYSTEM.
- ANCHOR PIN THE LAST THREE F-SHAPE PRECAST CONCRETE BARRIER. THE PAVEMENT BENEATH THE PRECAST CONCRETE BARRIER CAN BE ASPHALT OR CONCRETE. SEE THE PRECAST CONCRETE BARRIER STANDARD DRAWING.
- CUT THE END LOOPS OFF OF THE PRECAST CONCRETE BARRIER CLOSEST TO THE SINGLE SLOPE BRIDGE PARAPET. BUTT THE PRECAST CONCRETE BARRIER UP AGAINST THE SINGLE SLOPE BRIDGE PARAPET AND ALIGN THE BARRIER FACES AT THE TOP TRAFFIC SIDE CORNER OF THE PRECAST CONCRETE BARRIER.
- THE TOP AND SIDES OF THE TRANSITION CAP MAY BE MANUFACTURED FROM SEPARATE PLATES AND WELDED TOGETHER AT THE JOINTS, A SINGLE BENT PLATE (BEND RADII 1/4" MAX.), OR A COMBINATION OF THE TWO.
- FABRICATE THE TRANSITION CAP AND FIELD SIDE STRAP FROM ASTM A36 STEEL. FABRICATE THE TRANSITION CAP WITH 1/8" THICK STEEL. FABRICATE THE FIELD SIDE STRAP WITH 1/4" THICK STEEL. GALVANIZE FABRICATED PARTS AFTER ASSEMBLY.
- CHAMFER THE TOP CORNERS OF RIBS WITH A 3/8" CHAMFER.
- INSTALL RECTANGULAR GUARDRAIL PLATE WASHERS UNDER GUARDRAIL NUTS AT THE SPLICE BETWEEN THE THRIE-BEAM GUARDRAIL AND THRIE-BEAM TERMINAL CONNECTOR. INSTALL UNDER THE BOLT HEAD ON UPSTREAM END AND UNDER NUT ON DOWNSTREAM END.
- DRAWING NOT TO SCALE.

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



REVISIONS							
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DRAWING DATE: MARCH, 2019

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

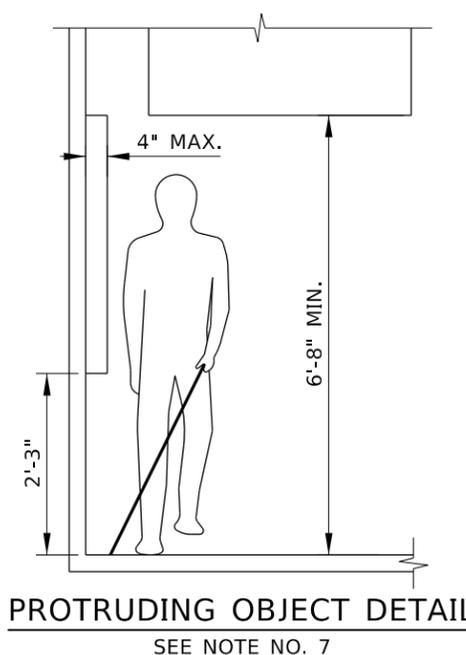
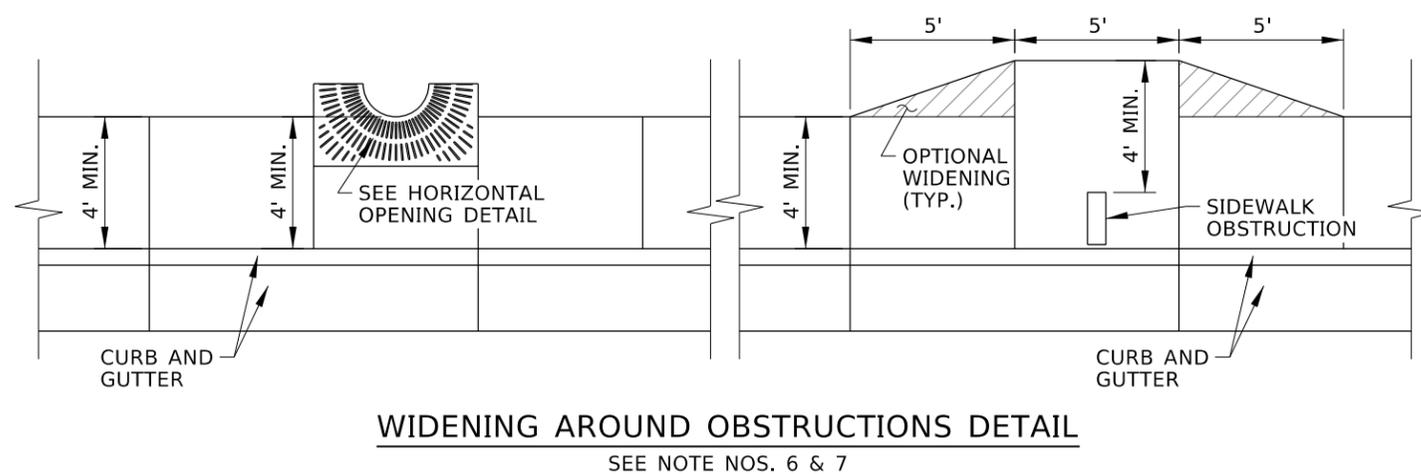
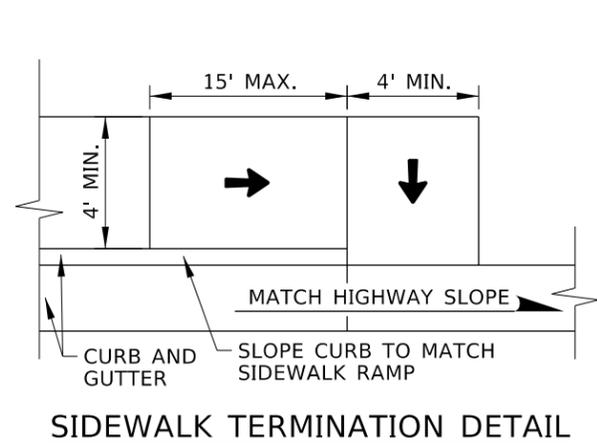
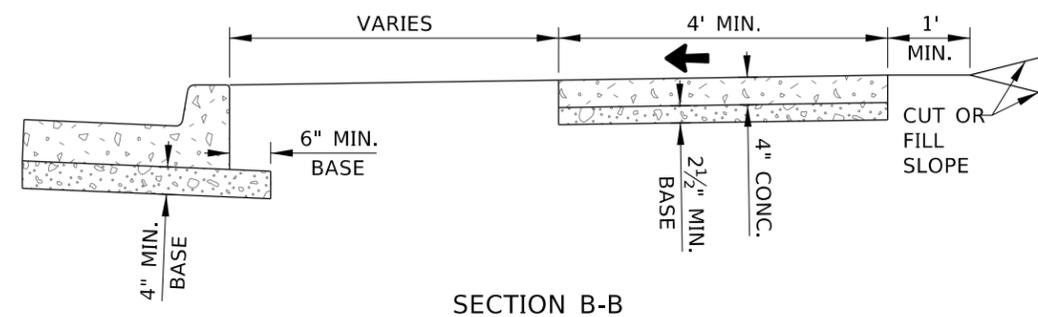
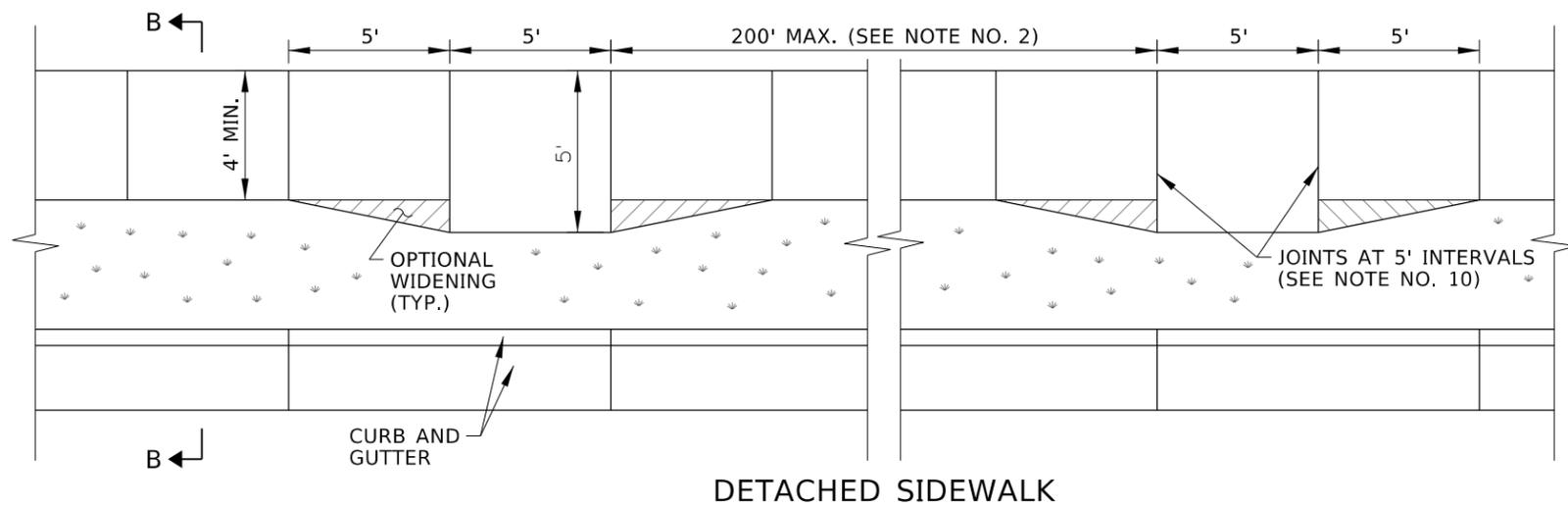
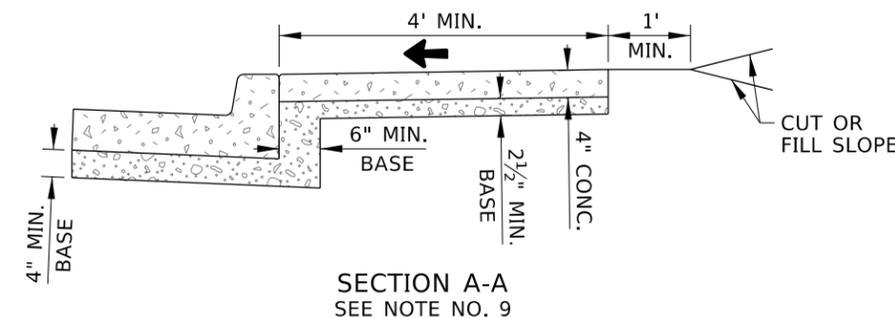
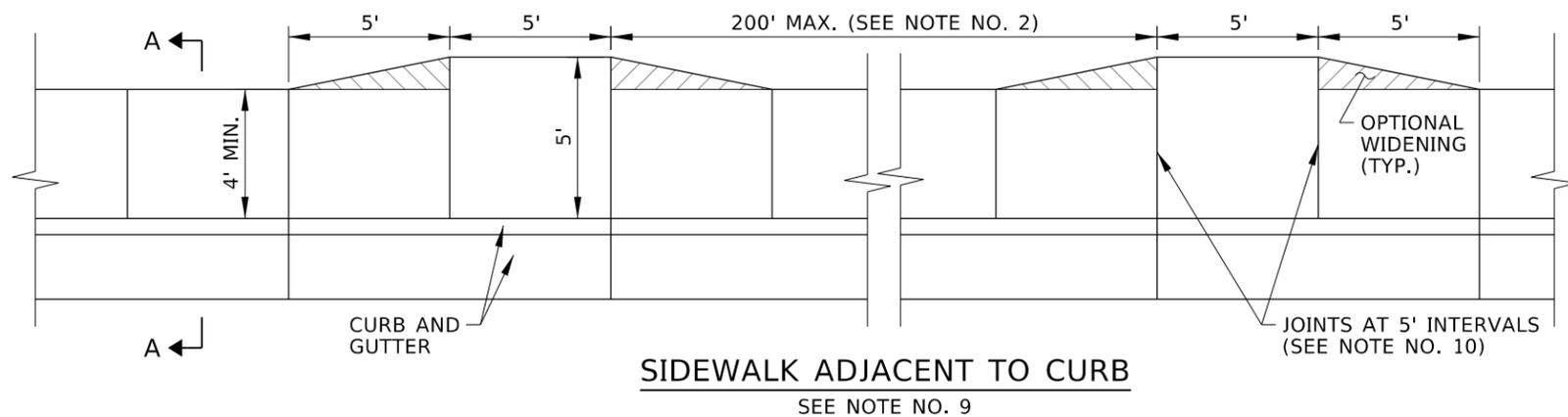
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
F-SHAPE TO SINGLE SLOPE TRANSITION

English
STANDARD DRAWING NO. 612-25
SHEET 2 OF 2

SYMBOL LEGEND

- ← 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-25	RDL						

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 CADD FILE NAME: 614-1_0425.dgn
 DRAWING DATE: MAY, 2015

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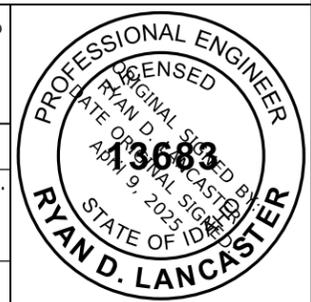


ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
SIDEWALKS

ENGLISH
 STANDARD DRAWING NO.
 614-1
 SHEET 1 OF 2

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



SYMBOL LEGEND

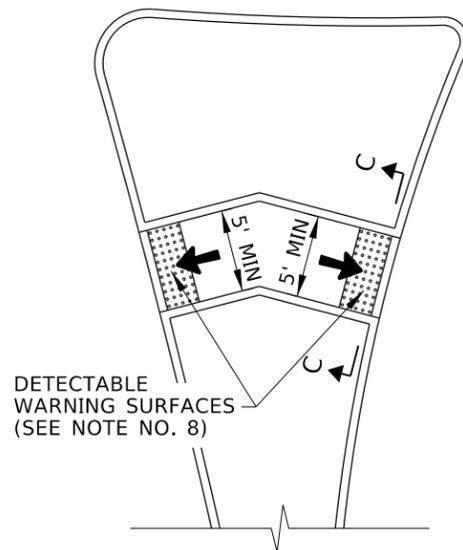
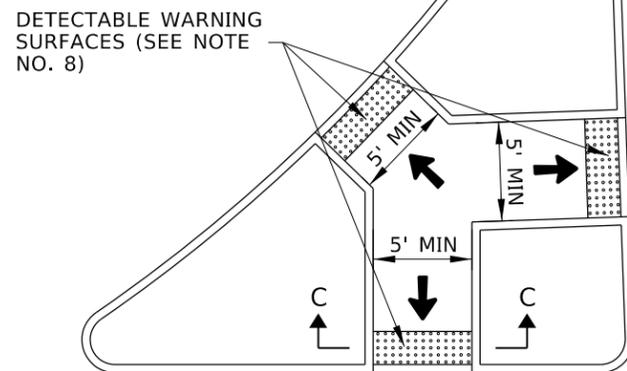
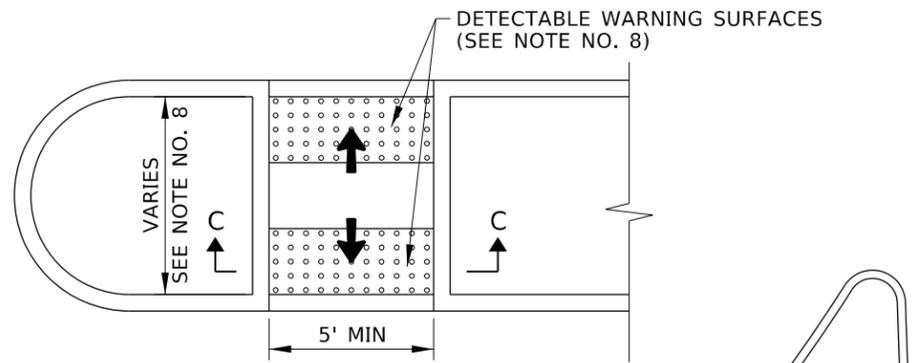
- ← 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE

NOTES

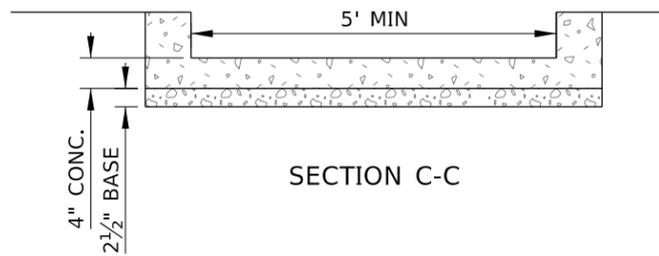
1. SIDEWALKS MAY CONSIST OF A PEDESTRIAN CIRCULATION PATH AND A PEDESTRIAN ACCESS ROUTE. THE PEDESTRIAN CIRCULATION PATH IS A PREPARED SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY. THE PEDESTRIAN ACCESS ROUTE IS A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.
2. PROVIDE AT LEAST 4' OF CONTINUOUS CLEAR WIDTH OF PEDESTRIAN ACCESS ROUTE, EXCLUSIVE OF THE CURB WIDTH. WHERE SIDEWALKS ARE WIDER THAN 4', ONLY A PORTION OF THE SIDEWALK IS REQUIRED TO BE PART OF THE PEDESTRIAN ACCESS ROUTE.

PROVIDE A PASSING SPACE AT 200' OR SHORTER INTERVALS WHEN THE CLEAR WIDTH OF THE PEDESTRIAN ACCESS ROUTE IS LESS THAN 5'. ENSURE THAT THE DIMENSIONS OF THE PASSING SPACE ARE AT LEAST 5' BY 5'. INTERSECTING SIDEWALKS, DRIVEWAYS, AND ALLEYS MAY BE USED AS PASSING SPACES.
3. ENSURE THAT THE GRADE OF THE PEDESTRIAN ACCESS ROUTE DOES NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT HIGHWAY.
4. ENSURE THAT THE CROSS SLOPE OF THE PEDESTRIAN ACCESS ROUTE WITHIN THE SIDEWALK DOES NOT EXCEED TWO PERCENT.
5. VERTICAL SURFACE DISCONTINUITIES MAY OCCASIONALLY OCCUR AT EXPANSION JOINTS, UTILITY COVERS, VAULT FRAMES, AND GRATINGS WITHIN THE SIDEWALK. ENSURE THAT VERTICAL SURFACE DISCONTINUITIES DO NOT EXCEED 1/2". BEVEL VERTICAL SURFACE DISCONTINUITIES BETWEEN 1/4" - 1/2" WITH A 2:1 SLOPE ACROSS THE ENTIRE VERTICAL SURFACE DISCONTINUITY.
6. ENSURE THAT HORIZONTAL OPENINGS IN GRATINGS AND JOINTS DO NOT PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" IN DIAMETER.
7. OBJECTS PROTRUDING INTO OR OVERHANGING A PEDESTRIAN CIRCULATION PATH MUST NOT REDUCE THE MINIMUM CLEAR WIDTH OF THE PEDESTRIAN ACCESS ROUTE. PROTRUDING OBJECTS INCLUDE STREET FURNITURE, STREET LIGHTS, UTILITY POLES, EQUIPMENT CABINETS, SIGN POSTS AND SIGNS, PARKING METERS, TRASH RECEPTACLES, PUBLIC TELEPHONES, MAILBOXES, NEWSPAPER VENDING MACHINES, BENCHES, TRANSIT SHELTERS, KIOSKS, BICYCLE RACKS, PLANTERS AND PLANTED TREES, AND STREET SCULPTURES.

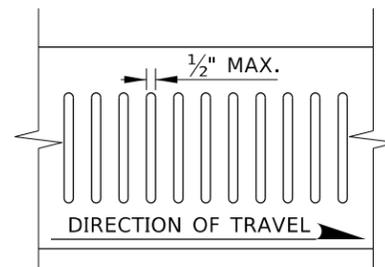
ENSURE THAT OBJECTS WITH LEADING EDGES BETWEEN 2'-3" AND 6'-8" ABOVE THE FINISH SURFACE DO NOT PROTRUDE MORE THAN 4" HORIZONTALLY INTO THE PEDESTRIAN CIRCULATION PATH.
8. PROVIDE DETECTABLE WARNING SURFACES ON PEDESTRIAN REFUGE ISLANDS WITH CURB RAMPS OR WHEN CUT-THROUGH AT STREET LEVEL AND REFUGE ISLAND WIDTHS ARE GREATER THAN SIX FEET IN THE DIRECTION OF PEDESTRIAN TRAVEL. DO NOT INSTALL DETECTABLE WARNING SURFACES AT PEDESTRIAN REFUGE ISLANDS THAT ARE CUT-THROUGH AT STREET LEVEL AND ARE LESS THAN SIX FEET IN WIDTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. SEE STANDARD DRAWING 614-3 FOR DETECTABLE WARNING SURFACE DETAILS.
9. USE A BOND PREVENTATIVE BETWEEN THE SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
10. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP FOR THE WIDTH OF THE SIDEWALK.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE SIDEWALK SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
11. DRAWING NOT TO SCALE.



PEDESTRIAN REFUGE ISLAND DETAILS

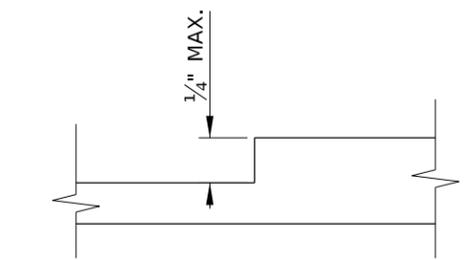


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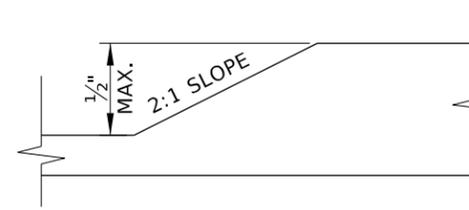


HORIZONTAL OPENING DETAIL

SEE NOTE NO. 6



VERTICAL DISCONTINUITY OF 1/4" OR LESS



VERTICAL DISCONTINUITY BETWEEN 1/4" AND 1/2"

VERTICAL SURFACE DISCONTINUITY DETAIL

SEE NOTE NO. 5

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-25	RDL						

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 DRAWING DATE: MAY, 2015

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

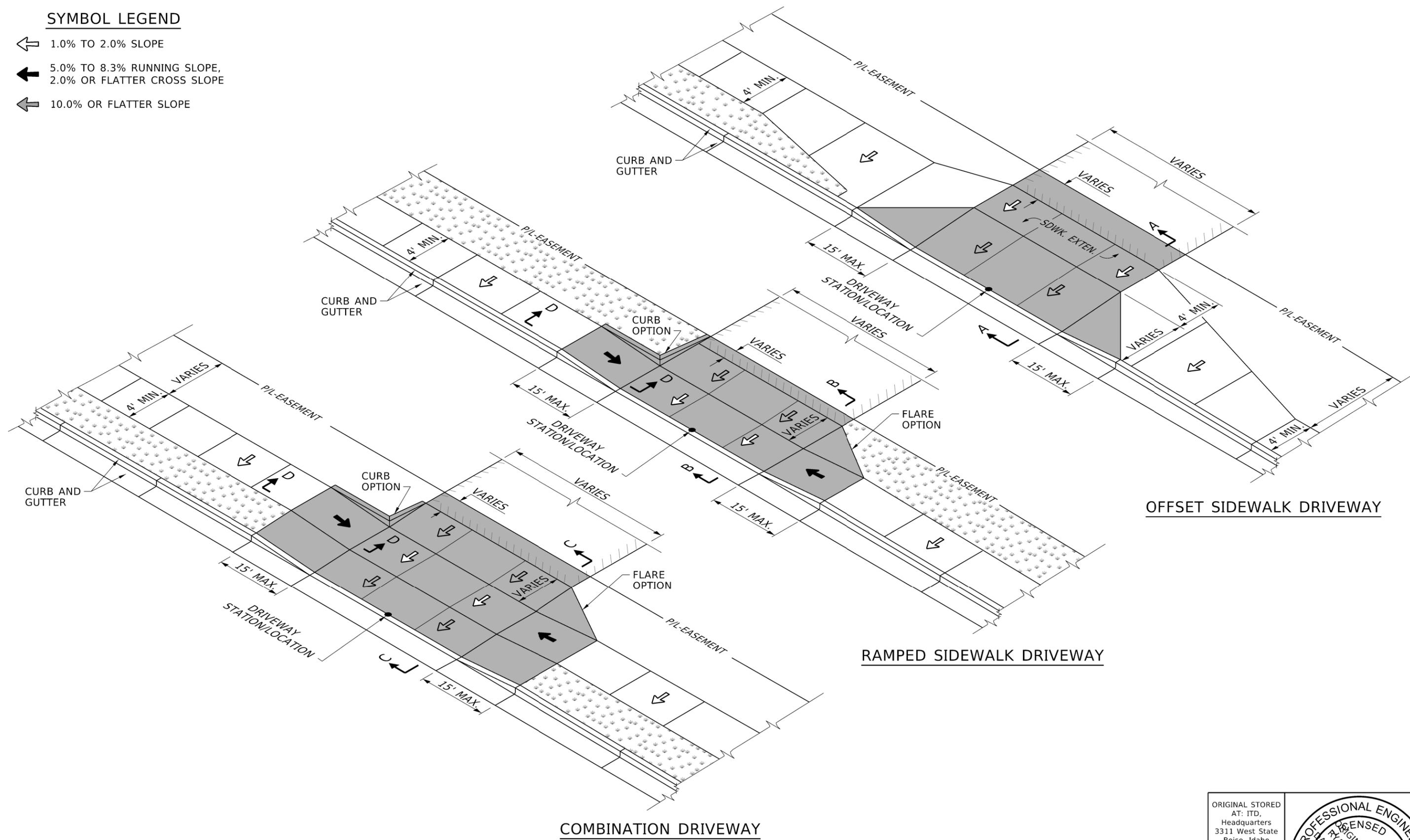
STANDARD DRAWING
SIDEWALKS

ENGLISH
 STANDARD DRAWING NO.
614-1
 SHEET 2 OF 2

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

SYMBOL LEGEND

- ↔ 1.0% TO 2.0% SLOPE
- ➔ 5.0% TO 8.3% RUNNING SLOPE,
2.0% OR FLATTER CROSS SLOPE
- ↖ 10.0% OR FLATTER SLOPE

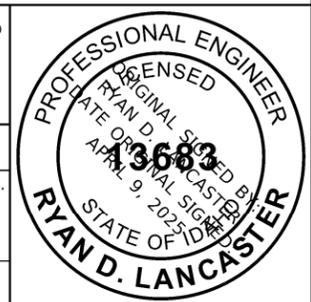


OFFSET SIDEWALK DRIVEWAY

RAMPED SIDEWALK DRIVEWAY

COMBINATION DRIVEWAY

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



REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	11-90	GB	6	05-06	MSM				
2	09-93	MSM	7	05-07	MSM				
3	12-94	MSM	8	07-10	JAW				
4	09-02	MSM	9	04-15	EG				
5	06-04	MSM	10	04-25	RDL				

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
614-2_0425.dgn

DRAWING DATE:
APRIL, 1990

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TRANSPORTATION
DEPARTMENT**

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ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
DRIVEWAYS

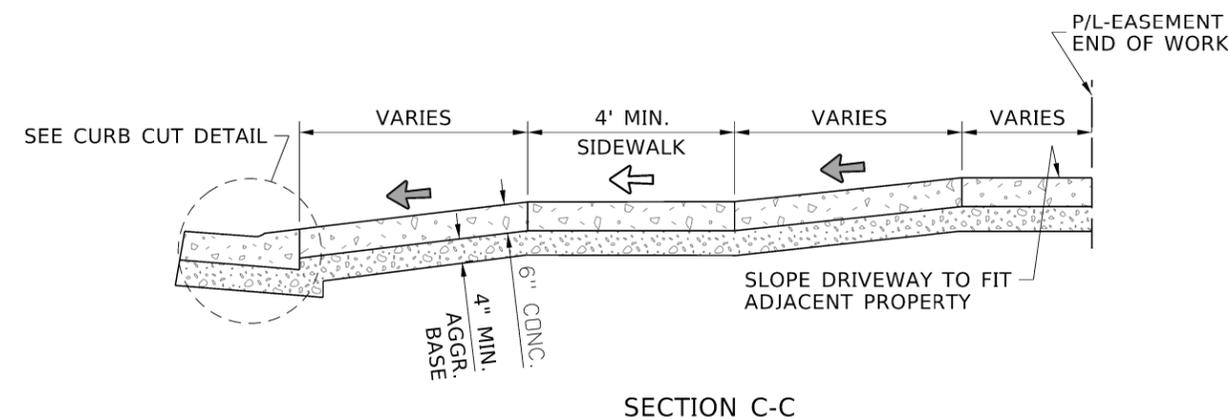
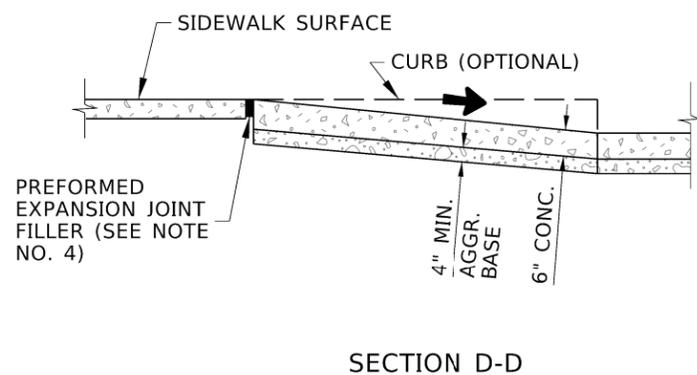
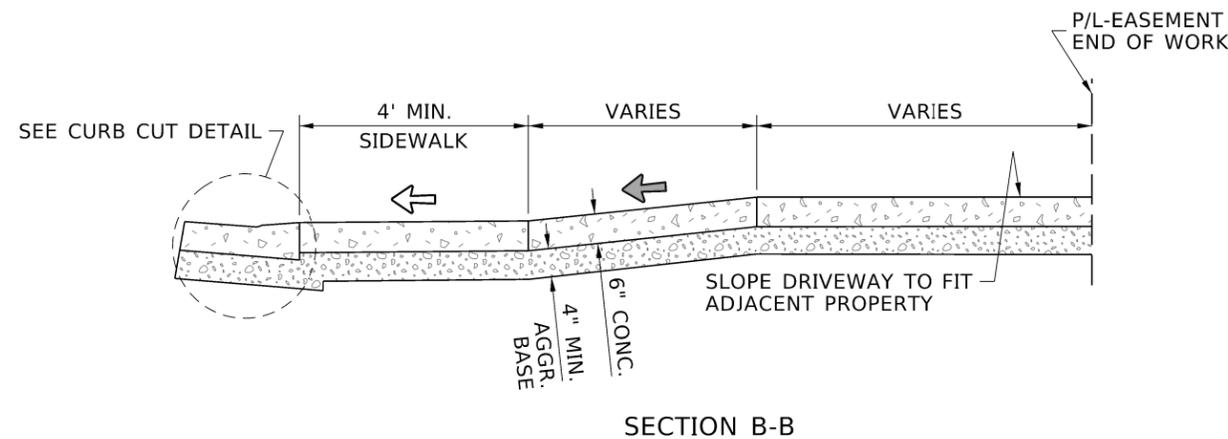
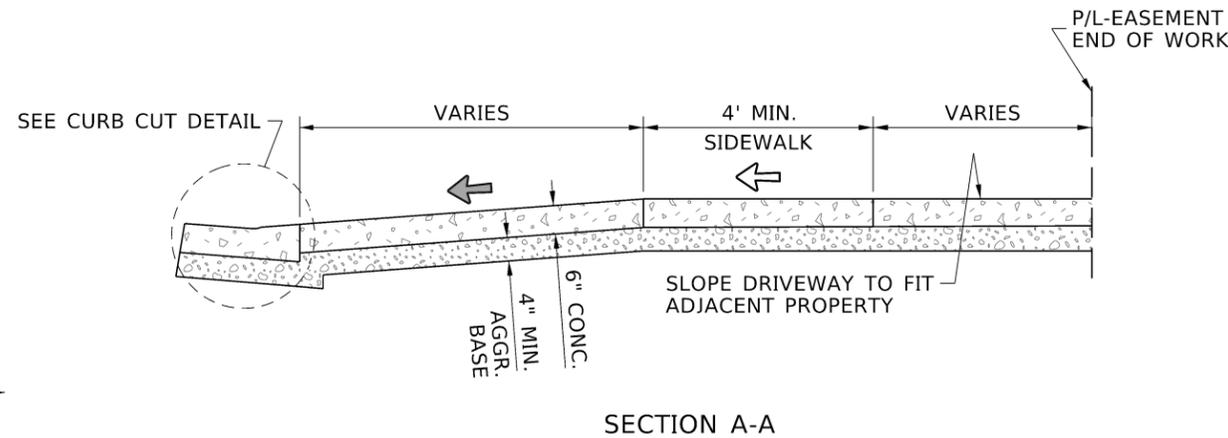
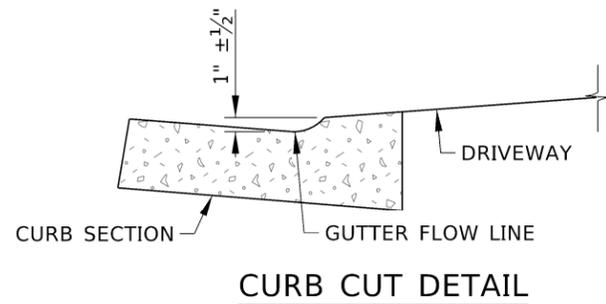
ENGLISH

STANDARD DRAWING NO.
614-2

SHEET **1** OF **2**

SYMBOL LEGEND

- ↖ 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE,
2.0% OR FLATTER CROSS SLOPE
- ↙ 10.0% OR FLATTER SLOPE



NOTES

1. EXTENTS OF DRIVEWAY PAY ITEMS ARE SHOWN IN GRAY SHADING.
2. SEE THE SIDEWALKS STANDARD DRAWING FOR NOTES RELATED TO THE PEDESTRIAN ACCESS ROUTE.
3. DO NOT PLACE DETECTABLE WARNING SURFACES ON DRIVEWAYS.
4. USE A BOND PREVENTATIVE BETWEEN THE DRIVEWAY OR SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
5. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE DRIVEWAY SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
6. DRAWING NOT TO SCALE.

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
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2	09-93	MSM	7	05-07	MSM				
3	12-94	MSM	8	07-10	JAW				
4	09-02	MSM	9	04-15	EG				
5	06-04	MSM	10	04-25	RDL				

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DRAWING DATE: APRIL, 1990

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STANDARD DRAWING

DRIVEWAYS

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

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

ENGLISH

STANDARD DRAWING NO. 614-2

SHEET 2 OF 2

PROFESSIONAL ENGINEER

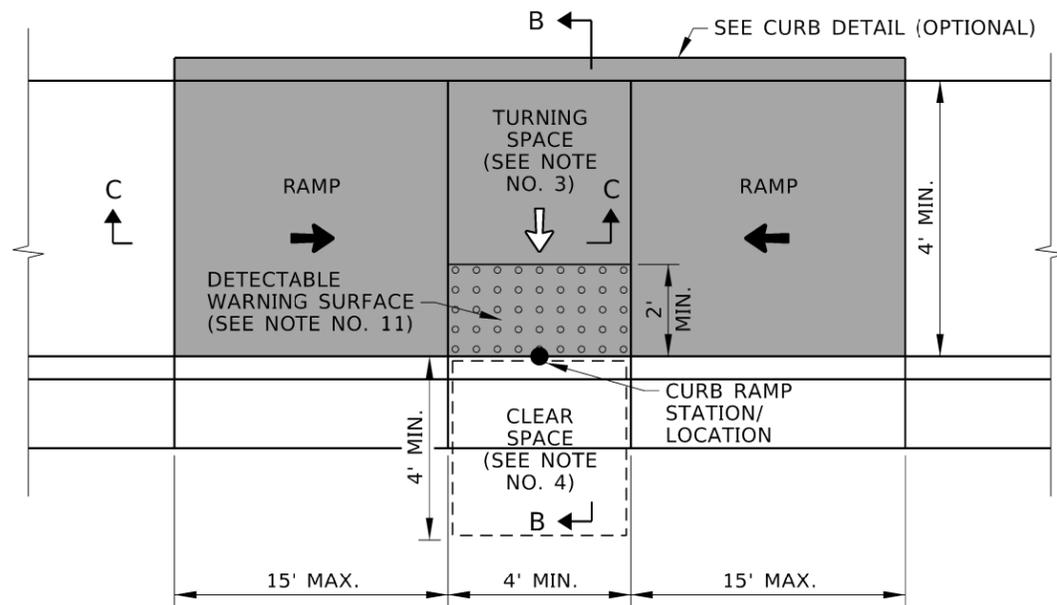
RYAN D. LANCASTER

STATE OF IDAHO

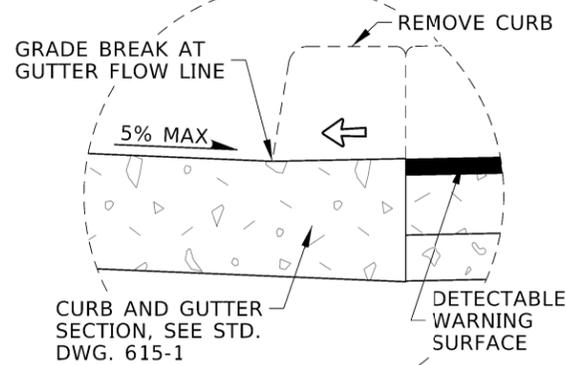
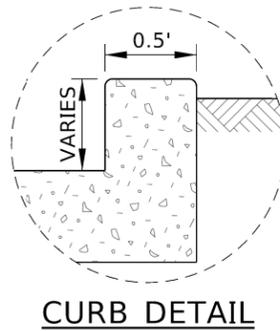
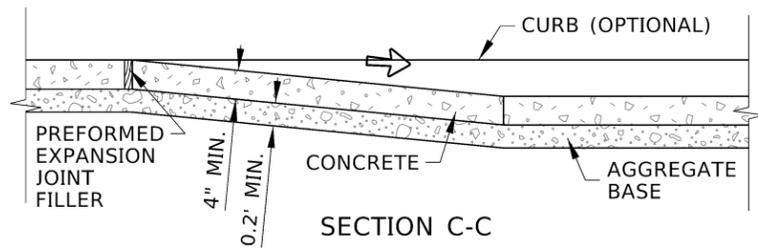
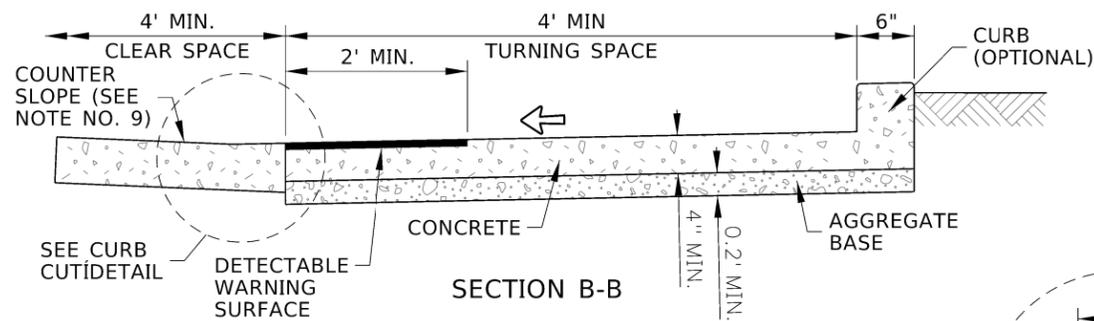
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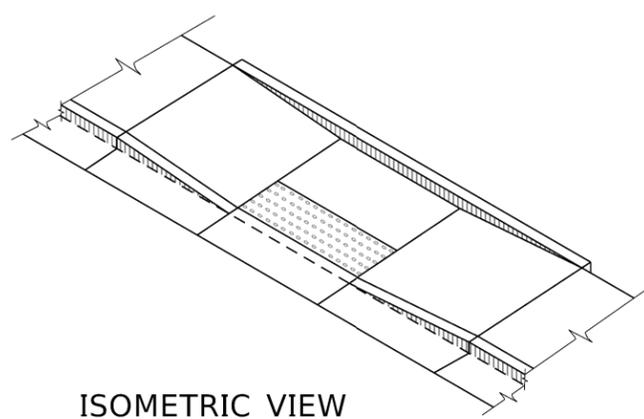




PARALLEL CURB RAMP

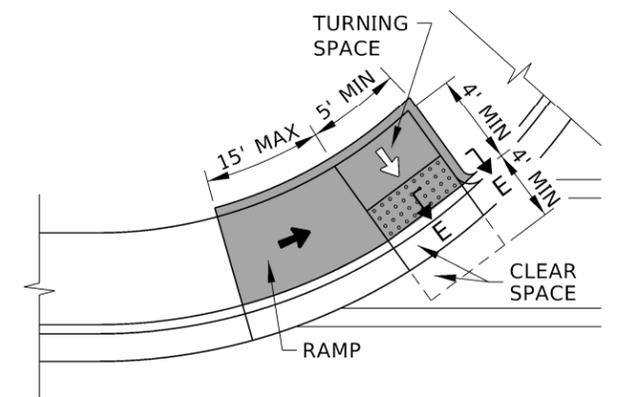
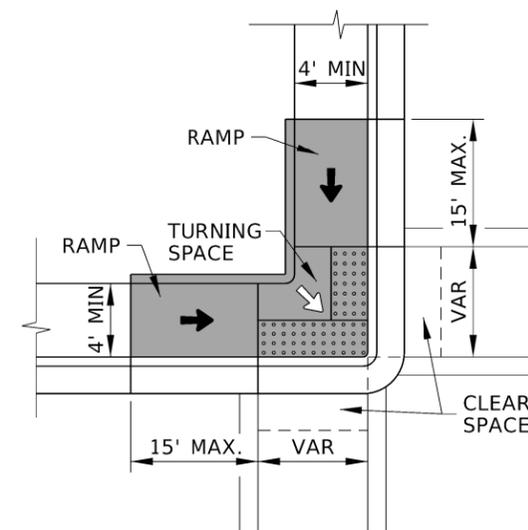
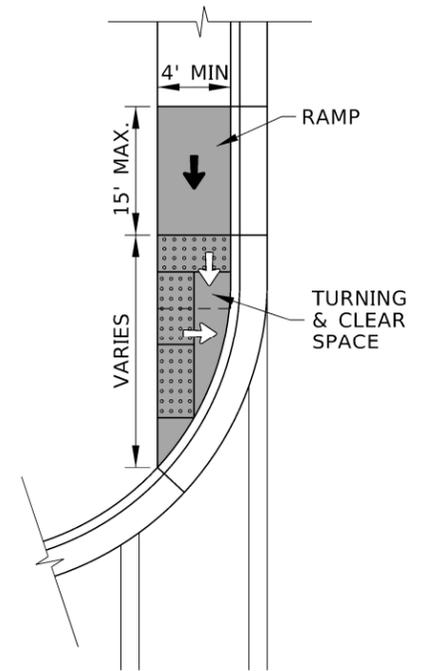
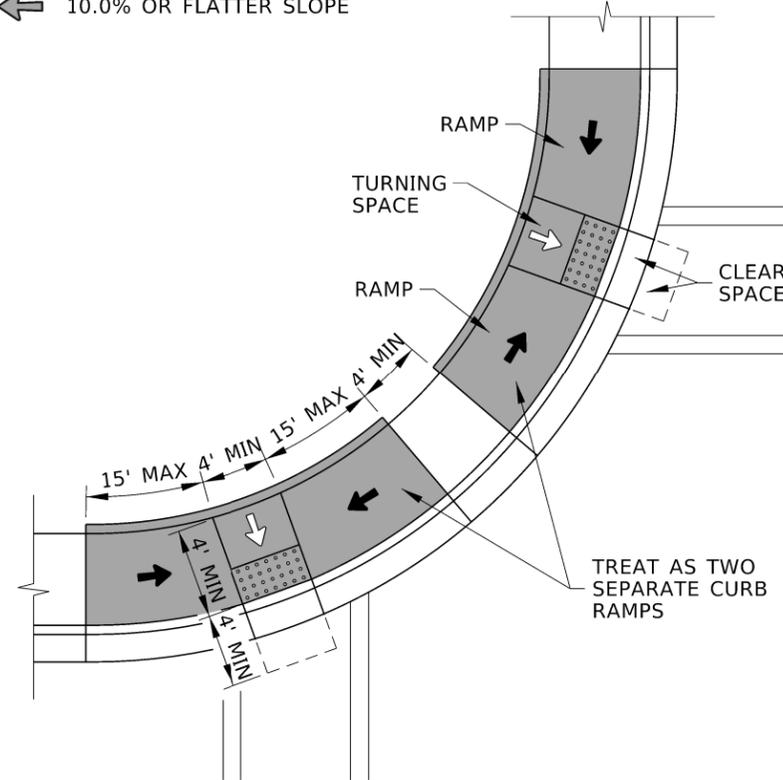


CURB CUT DETAIL



SYMBOL LEGEND

- ↔ 1.0% TO 2.0% SLOPE
- ↔ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ↔ 10.0% OR FLATTER SLOPE



EXAMPLE APPLICATIONS

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	07-03	MSM	11	07-10	JAW
2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-3_0425.dgn

DRAWING DATE: JUNE, 1990

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

CURB RAMPS

ENGLISH

STANDARD DRAWING NO.

614-3

SHEET 2 OF 4

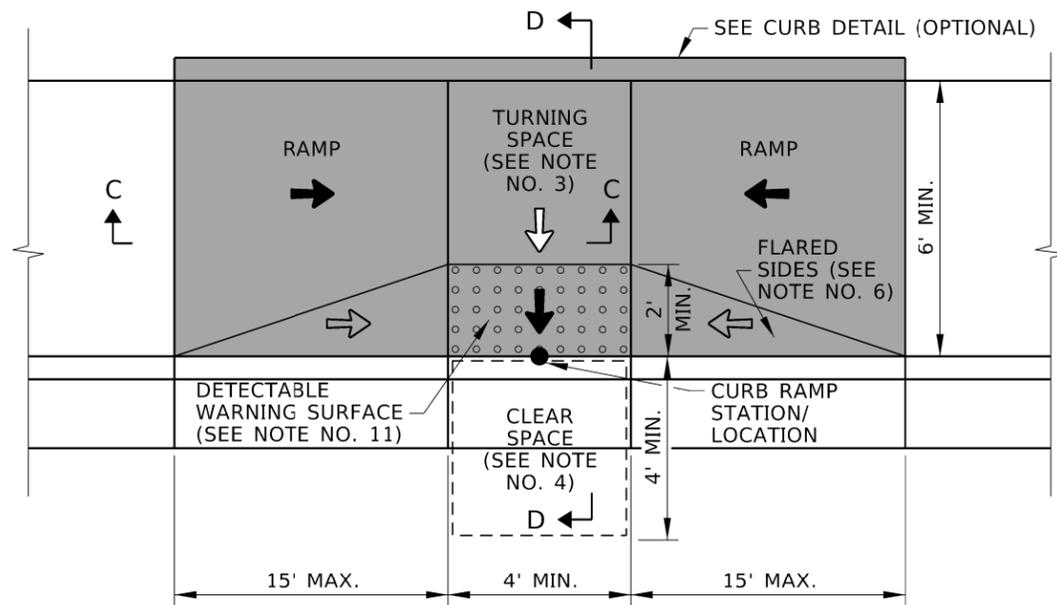
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PROFESSIONAL ENGINEER

RYAN D. LANCASTER

3683

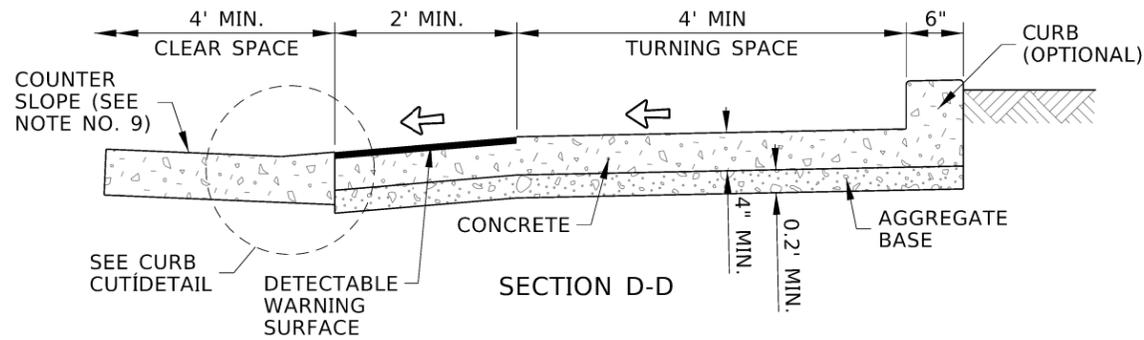
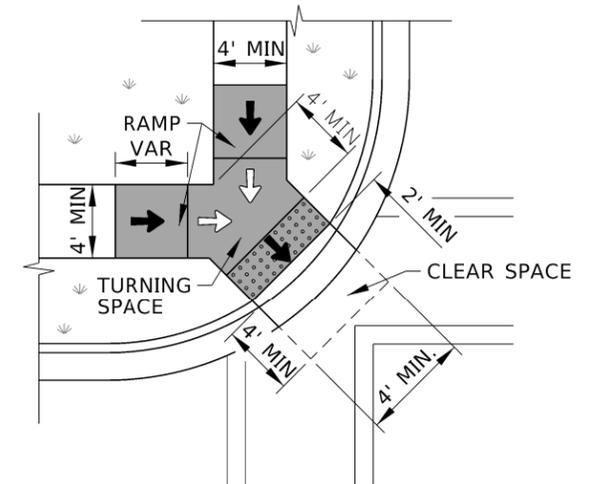
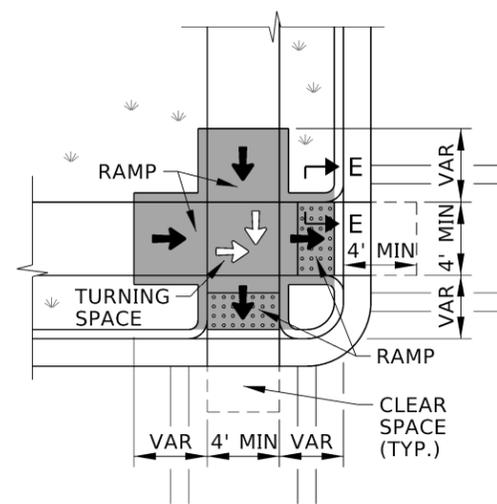
STATE OF IDAHO



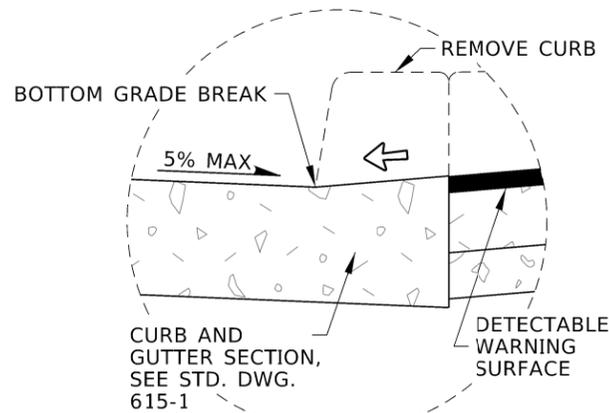
COMBINATION CURB RAMP

SYMBOL LEGEND

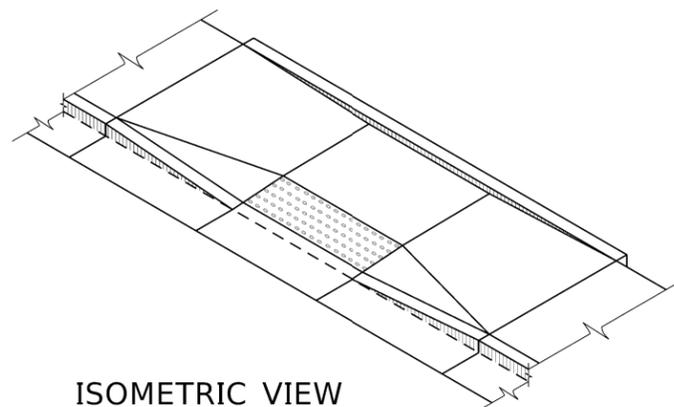
- ↔ 1.0% TO 2.0% SLOPE
- ↙ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ↘ 10.0% OR FLATTER SLOPE



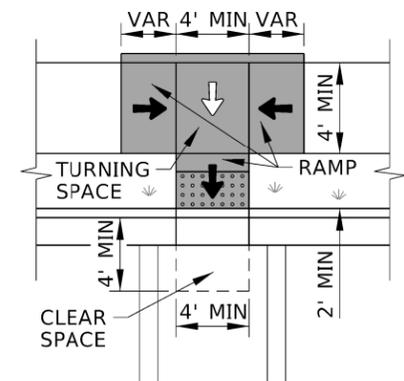
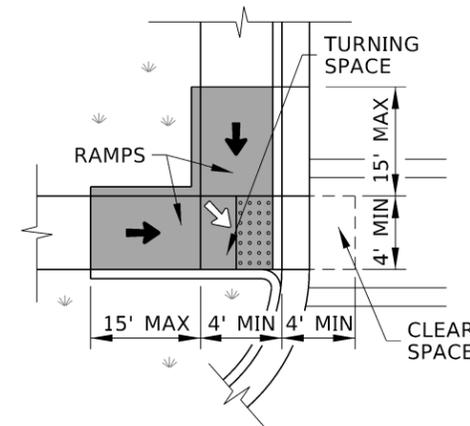
SECTION D-D



CURB CUT DETAIL



ISOMETRIC VIEW



EXAMPLE APPLICATIONS

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2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

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 CADD FILE NAME: 614-3_0425.dgn
 DRAWING DATE: JUNE, 1990

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 BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

CURB RAMPS

ENGLISH

STANDARD DRAWING NO.

614-3

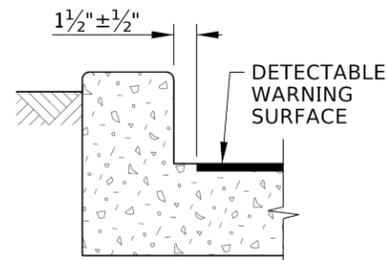
SHEET 3 OF 4

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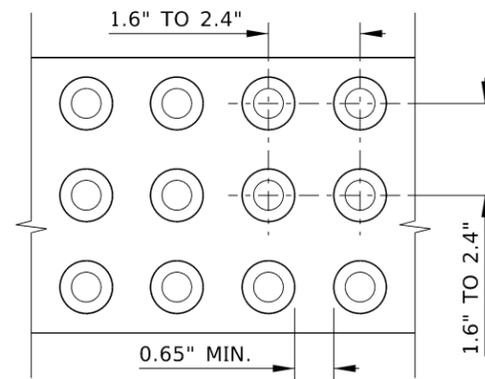
PROFESSIONAL ENGINEER
 RYAN D. LANCASTER
 LICENSE NO. 13683
 STATE OF IDAHO

SYMBOL LEGEND

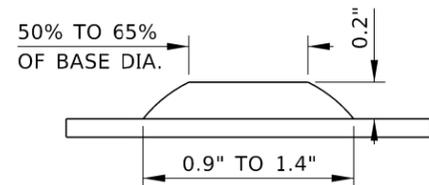
- ↖ 1.0% TO 2.0% SLOPE
- ↙ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ← 10.0% OR FLATTER SLOPE



SECTION E-E

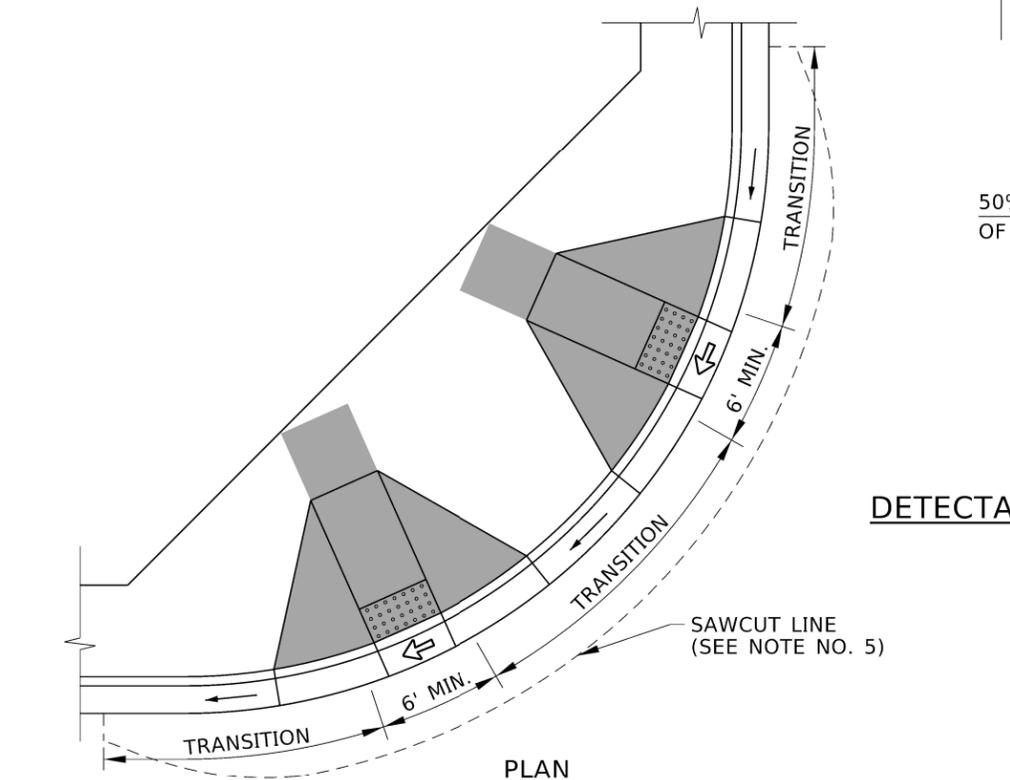


DOME SPACING

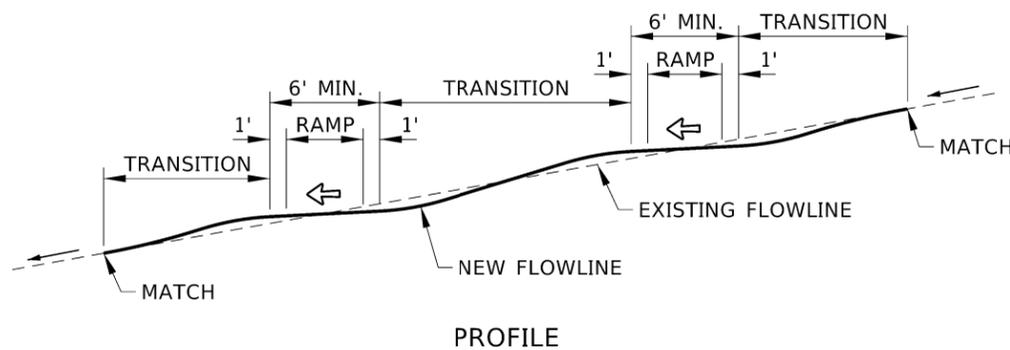


DOME SIZE

DETECTABLE WARNING SURFACE DETAILS
SEE NOTE NO. 11



PLAN



PROFILE

FLOWLINE PROFILE DETAIL
SEE NOTE NO. 5

NOTES

1. EXTENTS OF CURB RAMP PAY ITEMS ARE SHOWN IN GRAY SHADING.
2. CURB RAMPS CAN BE PERPENDICULAR, PARALLEL, OR A COMBINATION OF PARALLEL AND PERPENDICULAR RAMPS. EXAMPLE APPLICATIONS OF EACH ARE SHOWN ON SHEETS 1, 2, AND 3.
 - A. PERPENDICULAR CURB RAMPS HAVE A RAMP THAT CUTS THROUGH THE CURB AT RIGHT ANGLES OR MEETS THE GUTTER GRADE BREAK AT RIGHT ANGLES WHEN THE CURB IS CURVED.
 - B. PARALLEL CURB RAMPS HAVE A RAMP OR RAMPS IN-LINE WITH THE DIRECTION OF SIDEWALK TRAVEL AND LOWER THE SIDEWALK TO A LEVEL TURNING SPACE WHERE A TURN IS MADE TO ENTER THE PEDESTRIAN STREET CROSSING.
 - C. COMBINATION CURB RAMPS HAVE FEATURES FROM PERPENDICULAR AND PARALLEL CURB RAMPS.
3. PROVIDE A TURNING SPACE WITH A 2.0% OR FLATTER SLOPE IN EACH DIRECTION. TURNING SPACES MAY OVERLAP WITH OTHER TURNING SPACES AND CLEAR SPACES.
 - A. PERPENDICULAR CURB RAMP: PROVIDE A 4' BY 5' MINIMUM TURNING SPACE WHEN THE TURNING SPACE IS CONSTRAINED AT THE BACK-OF-SIDEWALK.
 - B. PARALLEL CURB RAMP: PROVIDE A 4' BY 5' TURNING SPACE WHEN THE TURNING SPACE IS CONSTRAINED ON TWO OR MORE SIDES. ENSURE THAT THE 5' DIMENSION IS PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
4. PROVIDE A CLEAR SPACE BEYOND THE BOTTOM OF THE GRADE BREAK THAT IS WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAFFIC LANE.
5. CROSS SLOPE IS THE SLOPE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL. ENSURE THAT THE CROSS SLOPE OF THE RAMP AND TURNING SPACE DOES NOT EXCEED TWO PERCENT. AT PEDESTRIAN STREET CROSSINGS WITHOUT YIELD OR STOP CONTROL AND AT MIDBLOCK PEDESTRIAN STREET CROSSINGS, THE CROSS SLOPE MAY MATCH THE STREET OR HIGHWAY GRADE. FLATTEN THE GUTTER FLOWLINE THROUGH CURB RAMPS TO TWO PERCENT OR FLATTER WHEN NEEDED. WHEN THE PAVEMENT IS SAWCUT TO FLATTEN THE FLOWLINE, VARY THE WIDTH OF THE SAWCUT SO THAT THE PAVEMENT PATCH SMOOTHLY MATCHES THE EXISTING PAVEMENT.
6. PROVIDE FLARED SIDES ON PERPENDICULAR CURB RAMPS, OR COMBINATION CURB RAMPS WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP. THE FLARED SIDES ARE PART OF THE PEDESTRIAN CIRCULATION PATH, BUT ARE NOT PART OF THE PEDESTRIAN ACCESS ROUTE. THE SLOPE OF THE FLARED SIDES IS MEASURED PARALLEL TO THE CURB LINE. FLARED SIDES ARE NOT NEEDED OR MAY BE STEEPER WHEN THE PEDESTRIAN CIRCULATION PATH DOES NOT CROSS THE CURB RAMP.
7. THE PEDESTRIAN CIRCULATION PATH IS A PREPARED SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY. THE PEDESTRIAN ACCESS ROUTE IS A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.
8. ENSURE THAT GRADE BREAKS ARE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN AND ARE FLUSH. DO NOT CREATE GRADE BREAKS ON THE SURFACE OF RAMP RUNS AND TURNING SPACES.
9. ENSURE THAT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF CURB RAMPS RUNS DOES NOT EXCEED FIVE PERCENT.
10. WHERE PRACTICAL, PLACE UTILITY COVERS, VAULT FRAMES, AND GRATINGS OUTSIDE RAMP RUNS, TURNING SPACES, OR GUTTER AREAS. LOCATE CATCH BASINS AND INLETS OUTSIDE OF RAMP RUNS.
11. DETECTABLE WARNING SURFACES CONSIST OF TRUNCATED DOMES ALIGNED IN A SQUARE OR RADIAL GRID PATTERN. PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST VISUALLY WITH ADJACENT GUTTER, HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. ENSURE THAT THE DETECTABLE WARNING SURFACE EXTENDS THE FULL WIDTH OF THE RAMP RUN (EXCLUDING FLARED SIDES) OR TURNING SPACE.
 - A. PERPENDICULAR AND COMBINATION CURB RAMPS: WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, PLACE THE DETECTABLE WARNING SURFACE AT THE BACK OF CURB. WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB, PLACE THE DETECTABLE WARNING SURFACE ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK AND WITHIN 5' OF THE BACK OF CURB.
 - B. PARALLEL CURB RAMP: PLACE DETECTABLE WARNING SURFACE ON THE TURNING SPACE AT THE BACK OF CURB.
12. USE A BOND PREVENTATIVE BETWEEN THE CURB RAMP OR SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
13. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE CURB RAMP SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONSTRUCTION OR ISOLATION JOINT.
14. DRAWING NOT TO SCALE.

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.
1	09-93	MSM	6	07-03	MSM	11	07-10	JAW	
2	12-95	MSM	7	12-04	MSM	12	09-11	TEM	
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4	08-01	MSM	9	05-06	MSM	14	04-25	RDL	
5	10-02	MSM	10	05-07	MSM				

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DRAWING DATE: JUNE, 1990

IDAHO TRANSPORTATION DEPARTMENT

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

CURB RAMPS

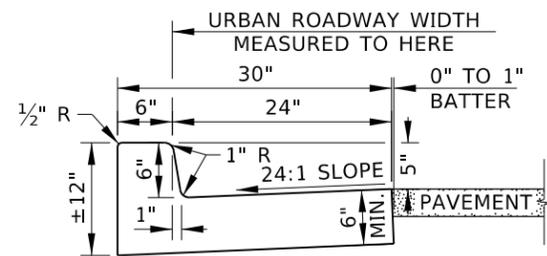
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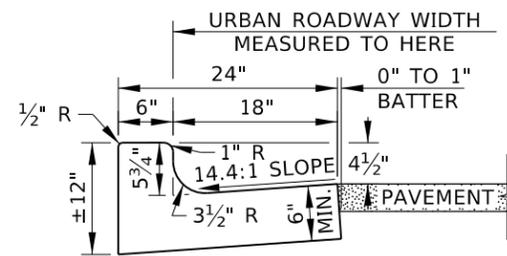
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SHEET 4 OF 4

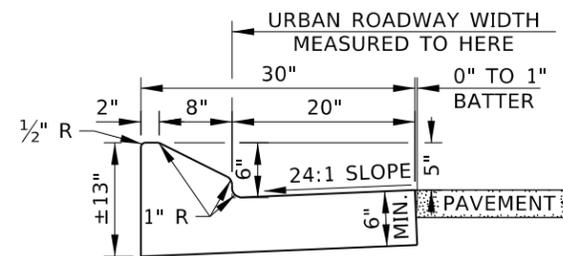
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



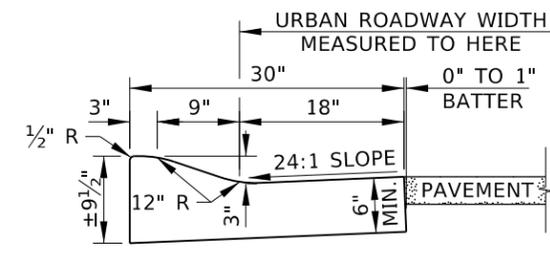
CURB AND GUTTER TYPE 1



CURB AND GUTTER TYPE 2
(SEE NOTE NO. 6)



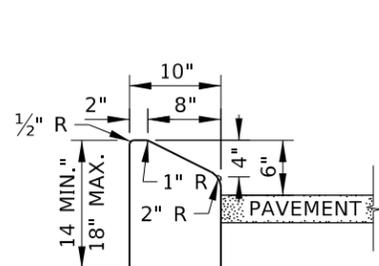
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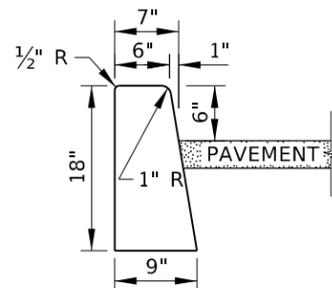
CURB AND GUTTER TYPE 4

NOTES

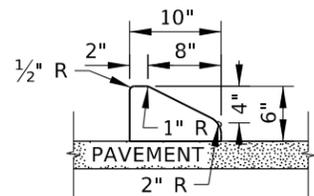
1. TRANSITION BETWEEN DIFFERENT TYPES OVER 10 FEET.
2. PROVIDE 4 INCHES OF AGGREGATE BASE UNDER CURB AND GUTTER, CURB, OR GUTTER UNLESS THE CURB IS PLACED ON PAVEMENT.
3. PORTLAND CEMENT CONCRETE CURB OR TRAFFIC SEPARATOR ON ASPHALT CONCRETE PAVEMENT:
 - A. PROVIDE A KEY IN THE PAVEMENT AT THE CENTERLINE OF THE CURB OR TRAFFIC SEPARATOR. SEE THE KEY DETAIL.
 - B. ALTERNATIVELY, PIN CONCRETE CURBS OR TRAFFIC SEPARATORS TO THE PAVEMENT IN LIEU OF THE KEY. DRILL THE PAVEMENT AND PLACE PINS BEFORE THE CURB OR TRAFFIC SEPARATOR IS CONSTRUCTED. SEE THE PIN DETAIL.
- PORTLAND CEMENT CONCRETE CURB OR TRAFFIC SEPARATOR ON PORTLAND CEMENT CONCRETE PAVEMENT:
 - A. USE AN EPOXY BONDING AGENT. NO KEY IS NEEDED.
- ASPHALT CONCRETE CURB OR TRAFFIC SEPARATOR ON ASPHALT CONCRETE PAVEMENT:
 - A. NO KEY IS NEEDED. ENSURE THAT THE CURB IS BONDED TO THE PAVEMENT.
4. TAPER THE BEGINNING AND LAST 6 FEET OF CURB AND GUTTER, CURB, OR TRAFFIC SEPARATOR TO THE PAVEMENT ELEVATION. ANCHOR THE TAPERED ENDS OF CURB TYPES 3, 4, AND 5 AND TRAFFIC SEPARATOR TYPE 1. AT BREAKS IN CURB TYPES 3, 4, AND 5 AND TRAFFIC SEPARATOR TYPE 1, SLOPE THE CURB OR TRAFFIC SEPARATOR DOWN TO A 1 INCH HEIGHT AT A 1:1 SLOPE.
 - A. REMOVE PAVEMENT TO ANCHOR CURBS AND TRAFFIC SEPARATOR. SQUARE CORNERS TO THE ANCHOR DIMENSIONS.
 - B. TRAFFIC SEPARATOR CAN BE UNPAINTED OR PAINTED YELLOW OR WHITE. MATCH TUBULAR MARKER COLOR TO THE APPLICABLE PAVEMENT MARKING.
5. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS IN CURB, GUTTER, CURB AND GUTTER, OR TRAFFIC SEPARATOR AT 10' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP. IF ADJACENT TO SIDEWALK, DRIVEWAY, CURB RAMP, OR CONCRETE PAVEMENT, ADJUST CURB AND GUTTER JOINT LOCATION AND TYPE TO MATCH.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE CURB SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES UNLESS THE CURB IS INTEGRAL TO THE FEATURE. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
6. ENSURE THE GUTTER SLOPE DOES NOT EXCEED 5 PERCENT AT CURB RAMPS.
7. DRAWING NOT TO SCALE.



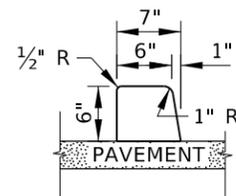
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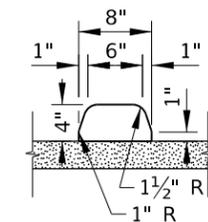
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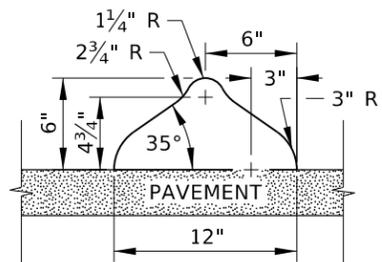
CURB TYPE 3
(SEE NOTE NO. 3)



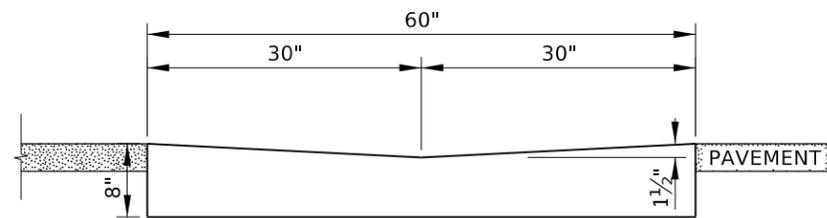
CURB TYPE 4
(SEE NOTE NO. 3)



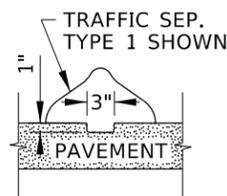
CURB TYPE 5
(SEE NOTE NO. 3)



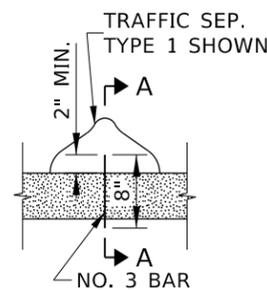
TRAFFIC SEPARATOR TYPE 1
(SEE NOTE NO. 3)



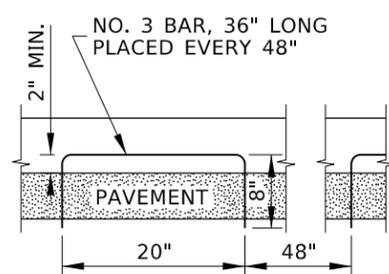
GUTTER TYPE 1



KEY DETAIL
(SEE NOTE NO. 3)



PIN DETAIL
(SEE NOTE NO. 3)



SECTION A-A

REVISIONS								
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1	02-76		6	12-04	MSM	11	07-18	RDL
2	12-90	GB	7	06-05	MSM	12	03-25	RDL
3	09-93	MSM	8	07-10	JAW			
4	12-94	MSM	9	11-14	RDL			
5	12-01	MSM	10	06-17	RDL			

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DRAWING DATE: APRIL, 1961

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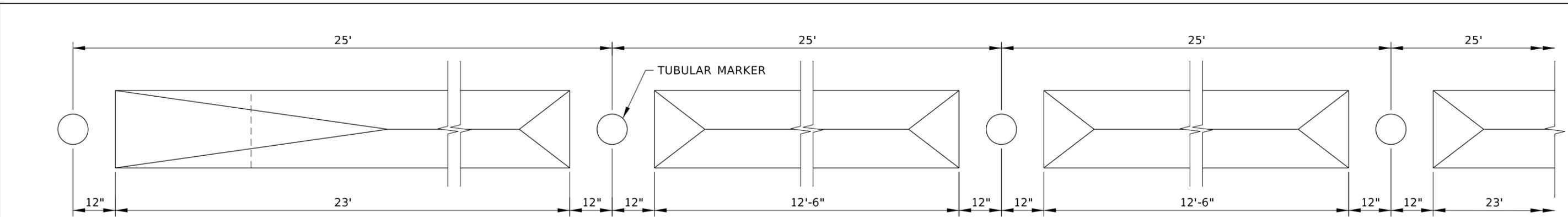
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

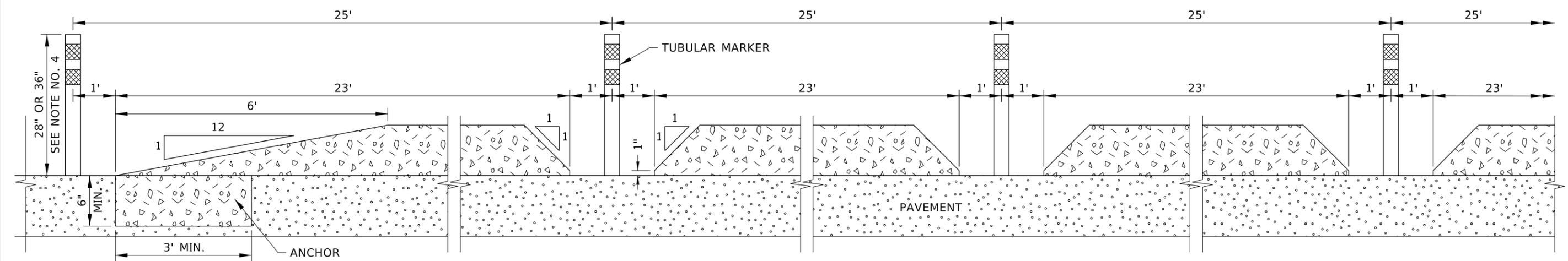
STANDARD DRAWING
CURB AND GUTTER

ENGLISH
STANDARD DRAWING NO.
615-1
SHEET 1 OF 2

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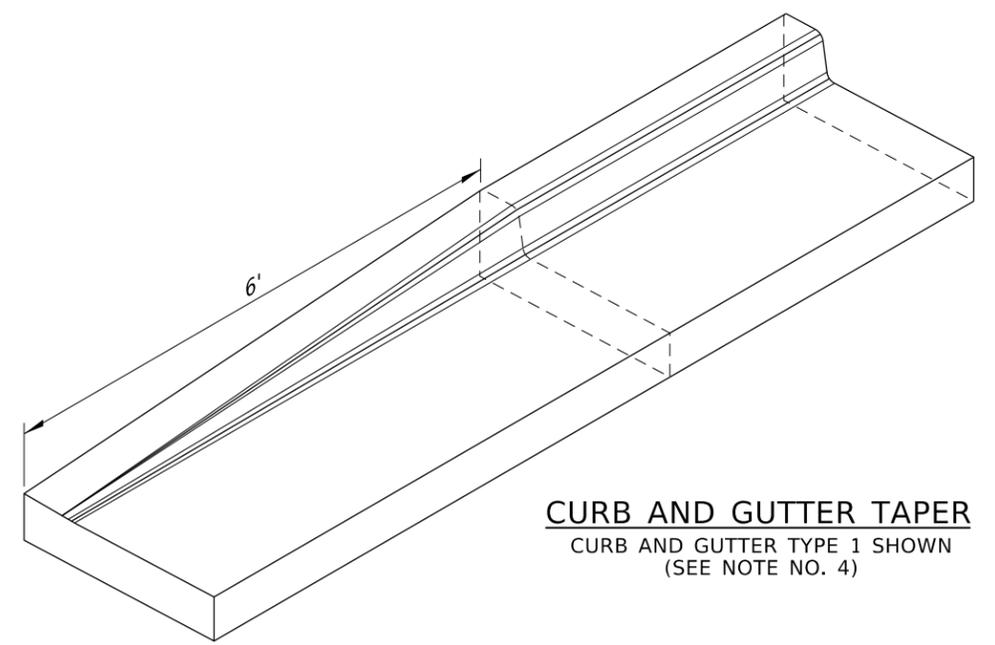


PLAN VIEW

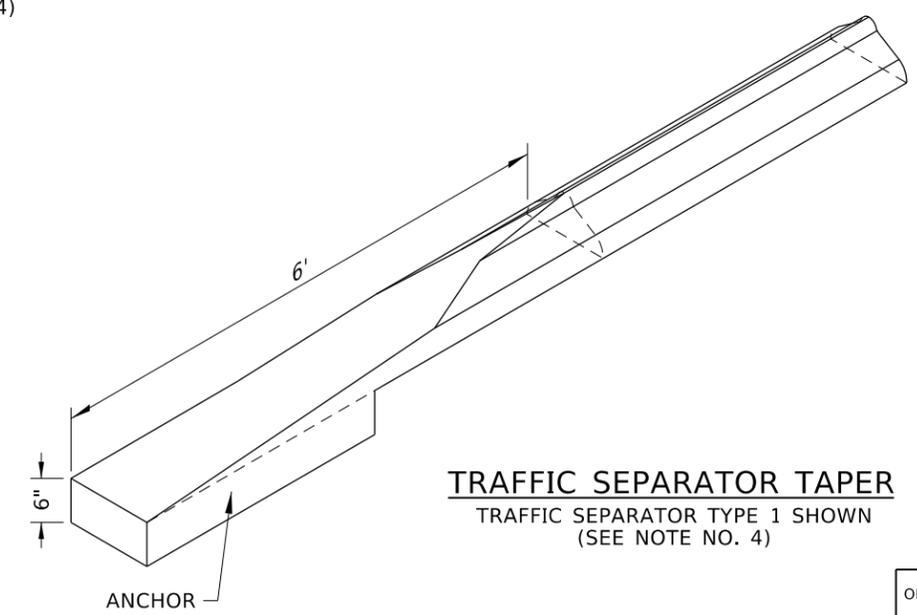


ELEVATION

TRAFFIC SEPARATOR DETAIL
(SEE NOTE NO. 4)



CURB AND GUTTER TAPER
CURB AND GUTTER TYPE 1 SHOWN
(SEE NOTE NO. 4)



TRAFFIC SEPARATOR TAPER
TRAFFIC SEPARATOR TYPE 1 SHOWN
(SEE NOTE NO. 4)

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
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4	12-94	MSM	9	11-14	RDL			
5	12-01	MSM	10	06-17	RDL			

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
615-1_0425.dgn

DRAWING DATE:
APRIL, 1961

**IDAHO
TRANSPORTATION
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BOISE IDAHO



STANDARD DRAWING

CURB AND GUTTER

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

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

ENGLISH

STANDARD DRAWING NO.
615-1

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

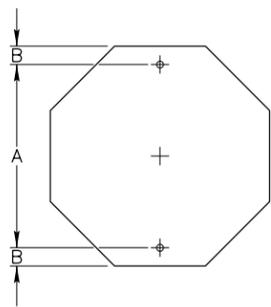
PROFESSIONAL ENGINEER

RYAN D. LANCASTER

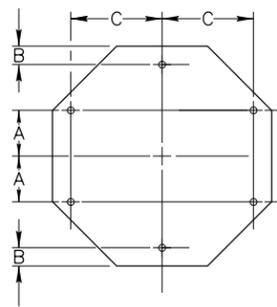
APRIL 9, 2023

STATE OF IDAHO

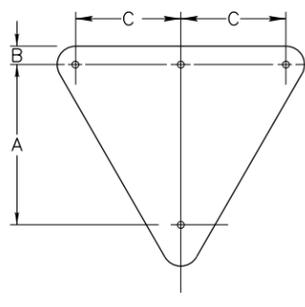
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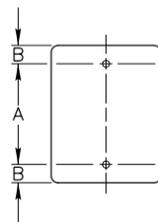
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30"X30"	24"	3"



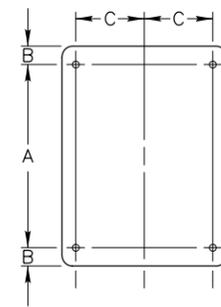
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48"X48"	10"	—	20"



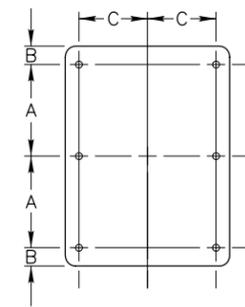
SIGN SIZE	A	B	C
30"X30"	18"	3"	—
36"X36"	23"	3"	—
48"X48"	25"	3"	17"
60"X60"	35"	4"	23"



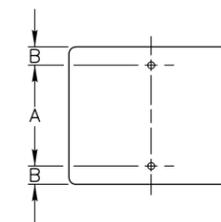
SIGN SIZE	A	B
6"X12"	9"	1 1/2"
6"X18"	15"	1 1/2"
9"X12"	9"	1 1/2"
12"X18"	15"	1 1/2"
12"X30"	24"	3"
12"X36"	32"	2"
18"X24"	18"	3"
24"X30"	24"	3"
24"X36"	30"	3"
30"X36"	30"	3"



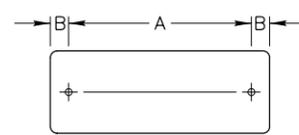
SIGN SIZE	A	B	C
36"X36"	30"	3"	15"
36"X48"	42"	3"	15"
48"X30"	24"	3"	15"
48"X36"	30"	3"	15"
60"X36"	30"	3"	21"



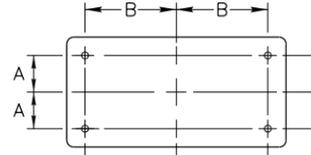
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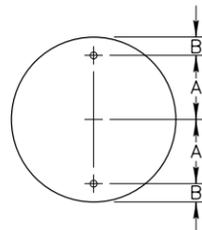
SIGN SIZE	A	B
12"X6"	3"	1 1/2"
18"X9"	6"	1 1/2"
18"X12"	9"	1 1/2"
18"X18"	15"	1 1/2"
21"X15"	12"	1 1/2"
24"X6"	3"	1 1/2"
24"X10"	7"	1 1/2"
24"X12"	9"	1 1/2"
24"X18"	15"	1 1/2"
24"X24"	18"	3"
30"X18"	12"	3"
30"X24"	18"	3"
30"X30"	24"	3"
36"X24"	18"	3"
36"X30"	24"	3"
42"X24"	18"	3"
42"X30"	24"	3"
42"X36"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



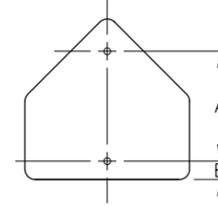
SIGN SIZE	A	B
30"X15"	24"	3"
36"X12"	30"	3"
36"X18"	24"	6"
48"X12"	42"	3"
48"X18"	42"	3"
54"X18"	48"	3"



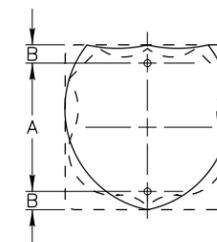
SIGN SIZE	A	B
48"X24"	9"	20"



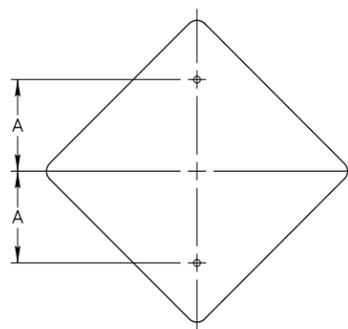
SIGN SIZE	A	B
36"	15"	3"
48"	21"	3"



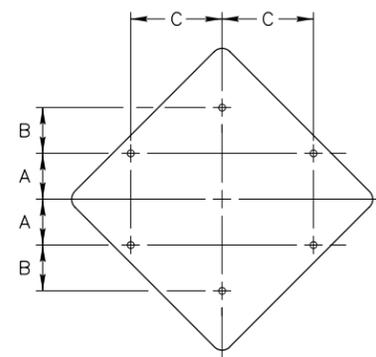
SIGN SIZE	A	B
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36"X36"	24"	3"



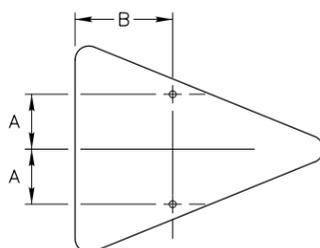
SIGN SIZE	A	B
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30"X24"	18"	3"



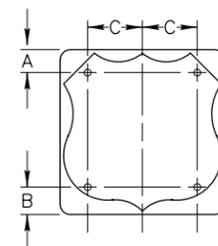
SIGN SIZE	A
18"X18"	10"
24"X24"	12"
30"X30"	15"



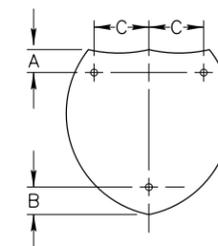
SIGN SIZE	A	B	C
36"X36"	8"	10"	12"
48"X48"	10"	—	20"



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:

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

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

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

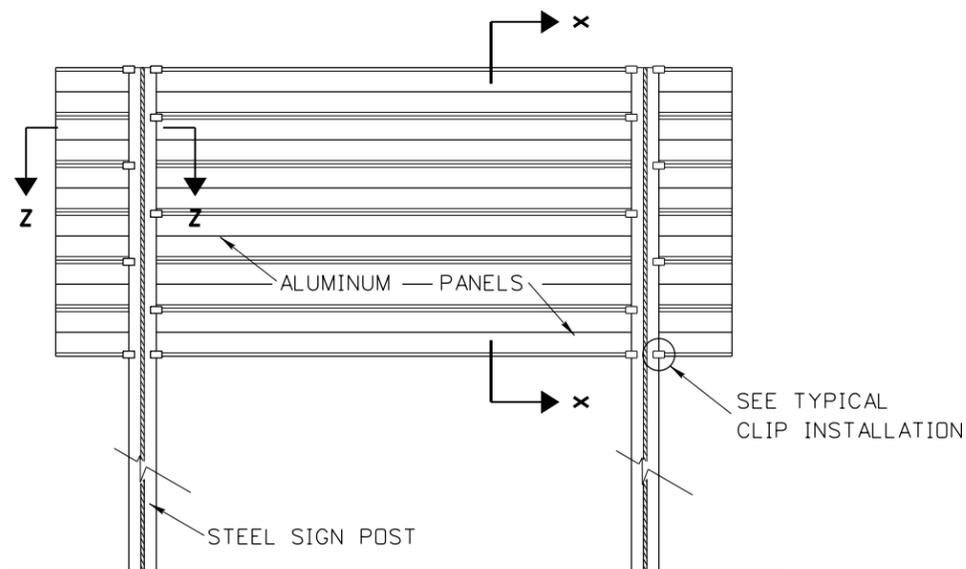


BOISE IDAHO

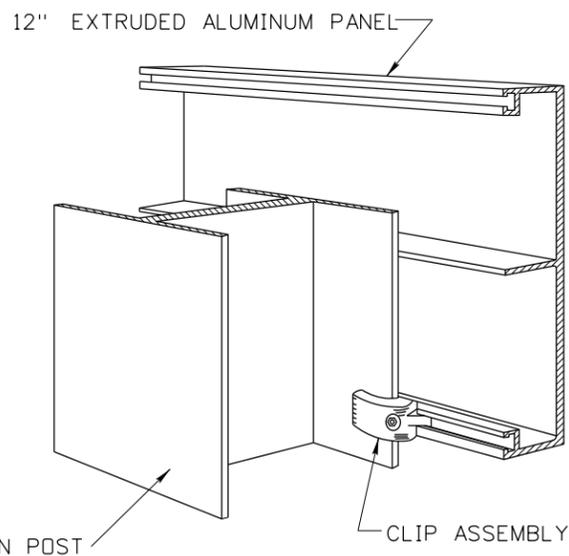
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

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

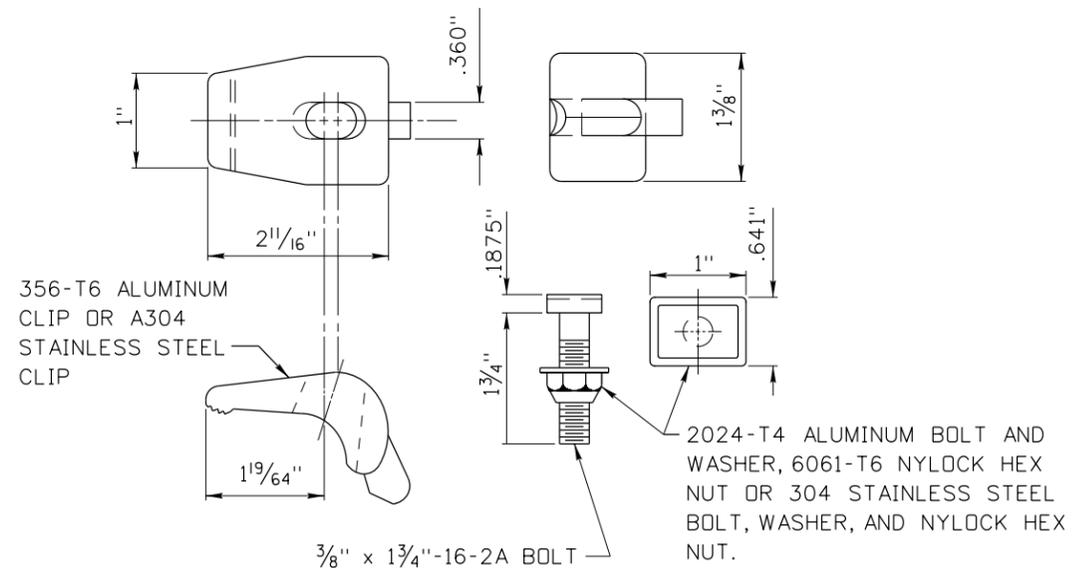
English
 STANDARD DRAWING NO. **616-1**
 SHEET 1 OF 1



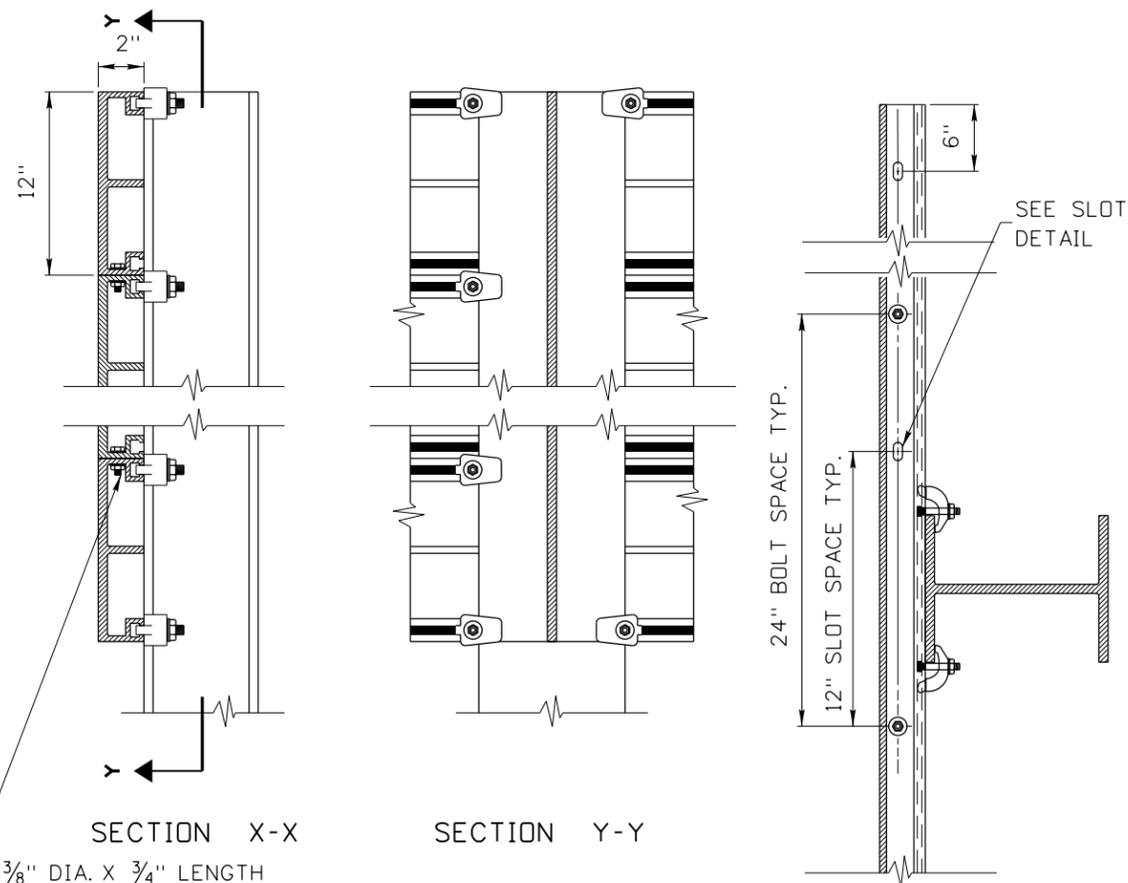
EXTRUDED ALUMINUM SIGN



TYPICAL CLIP INSTALLATION



POST CLIPS AND POST CLIP BOLT DETAIL



SECTION X-X

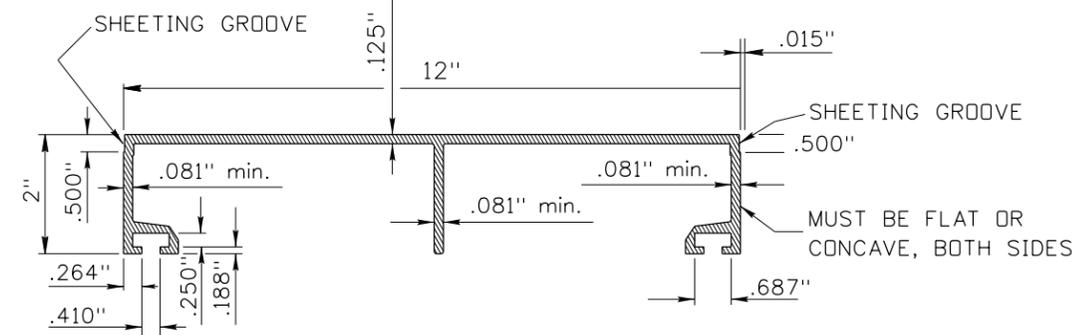
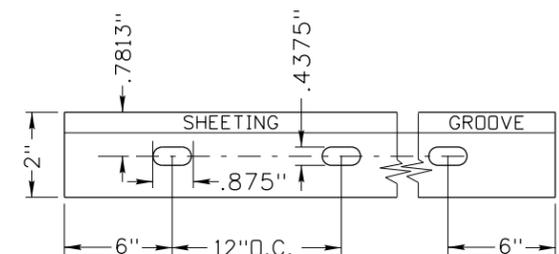
SECTION Y-Y

SECTION Z-Z

3/8" DIA. X 3/4" LENGTH
2024-T4 ALUMINUM BOLT AND TWO FLAT WASHERS, ONE 7075-T6 LOCK WASHER, AND A 6061-T6 HEX NUT OR 304 STAINLESS STEEL BOLT, WASHER, AND NYLOCK HEX NUT.

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.

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

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

STANDARD DRAWING

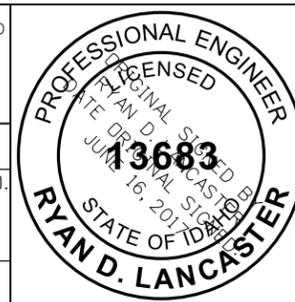
EXTRUDED ALUMINUM SIGNS

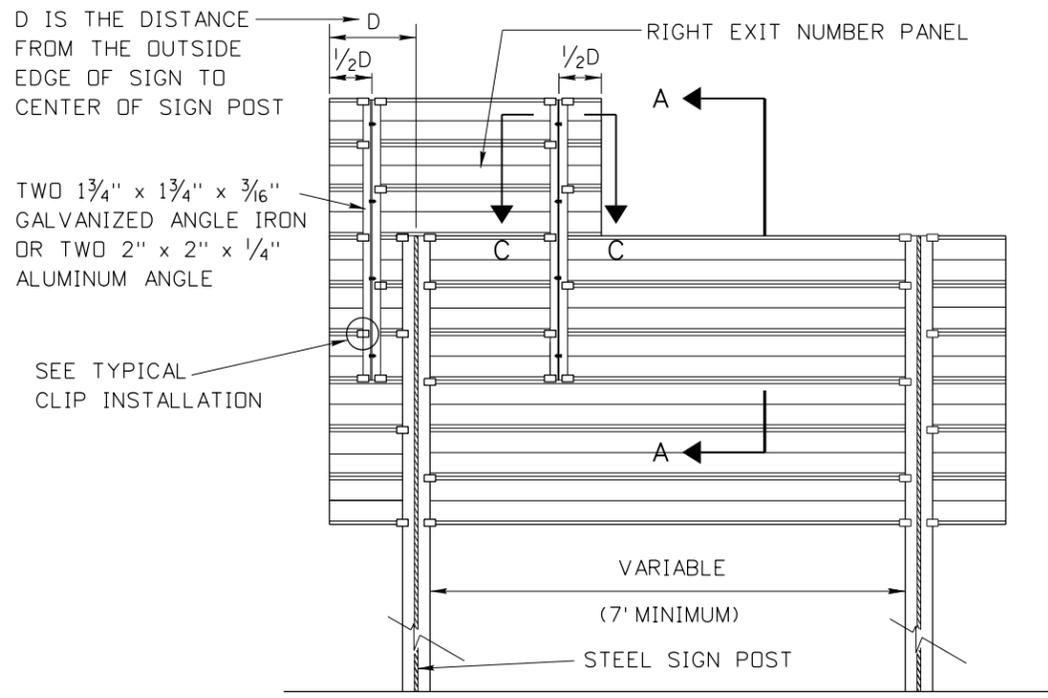
English

STANDARD DRAWING NO.

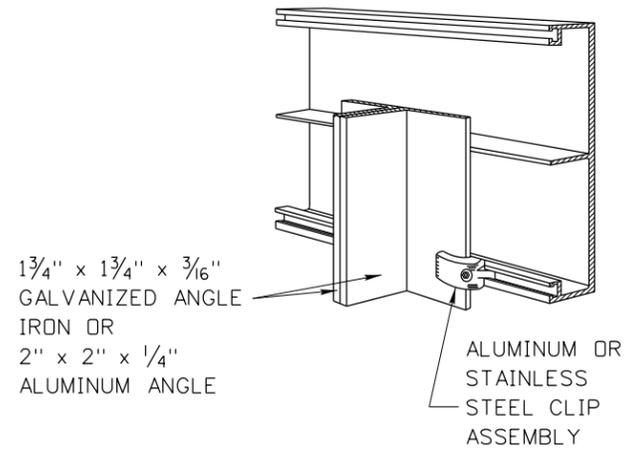
616-2

SHEET 1 OF 2





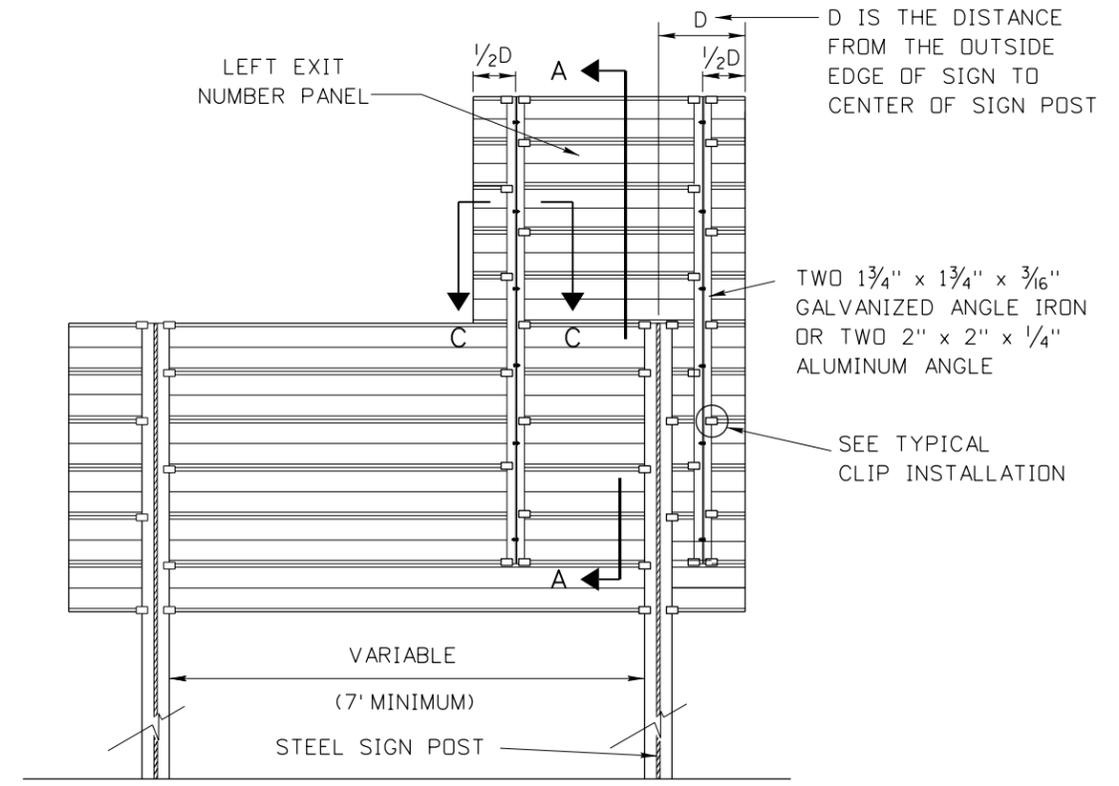
RIGHT EXIT PANEL



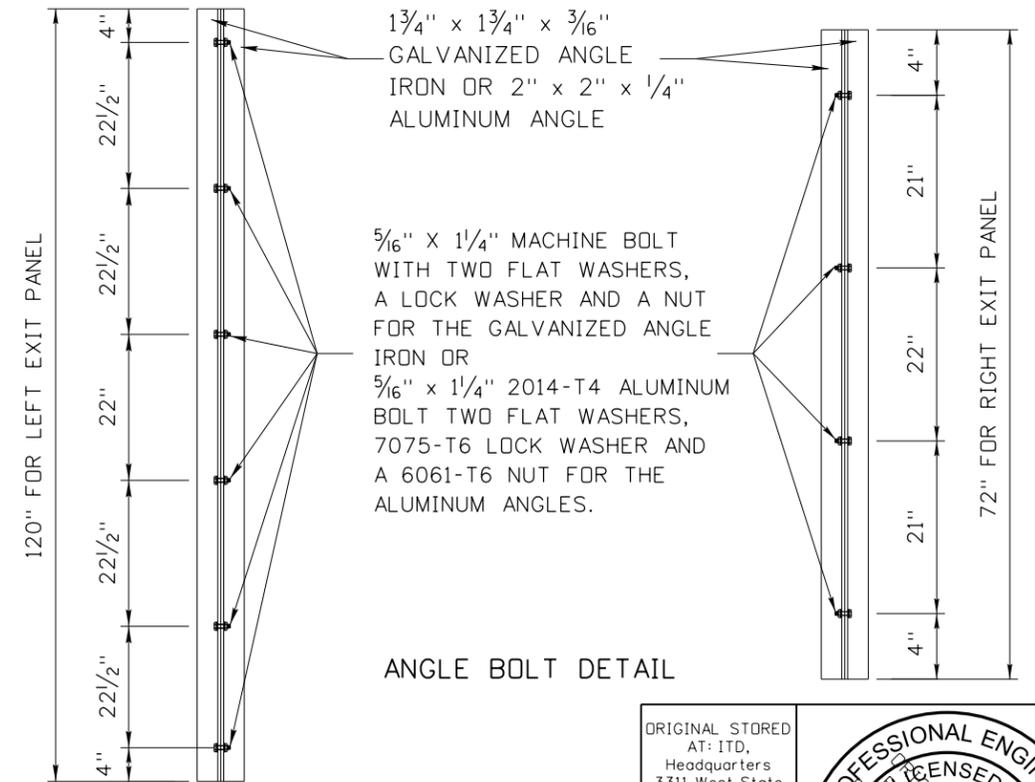
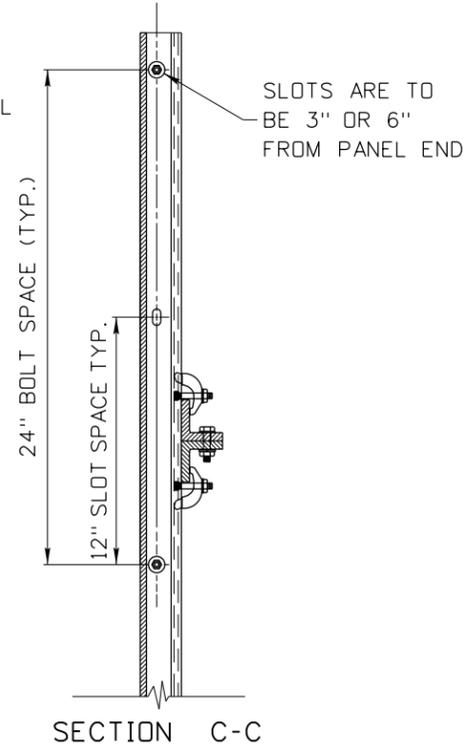
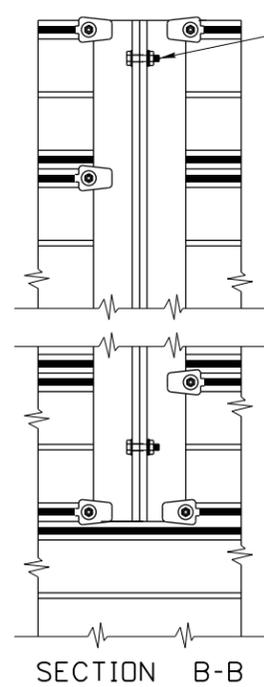
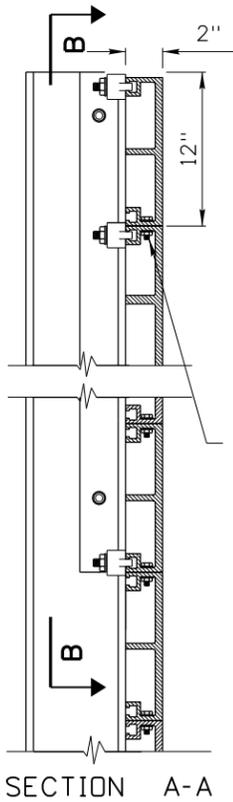
TYPICAL CLIP INSTALLATION

NOTES:

5. 1 3/4" x 1 3/4" x 3/16" ANGLE IRON WEIGHS 2.12 LBS/FT. WEIGHT OF ANGLE IRON DOES NOT INCLUDE GALVANIZING.
6. 2" x 2" x 1/4" ALUMINUM ANGLE WEIGHS 1.11 LBS/FT.
7. DRAWING NOT TO SCALE



LEFT EXIT PANEL



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

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

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

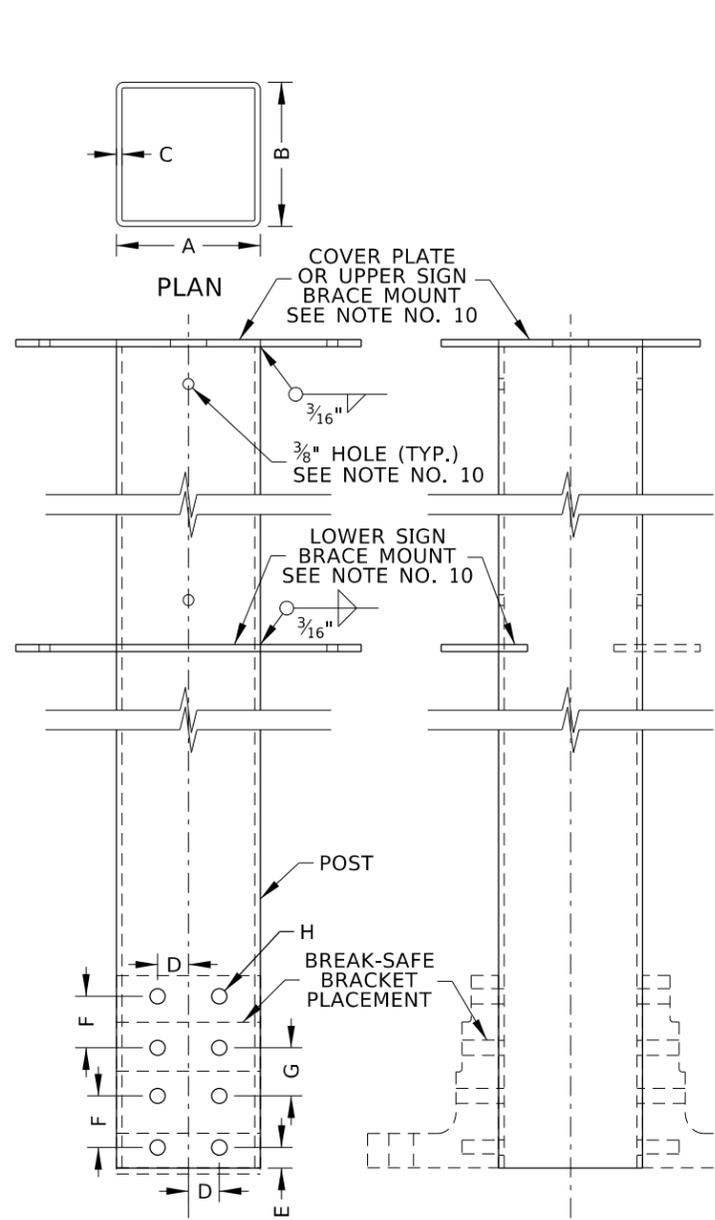
STANDARD DRAWING

EXTRUDED ALUMINUM SIGNS

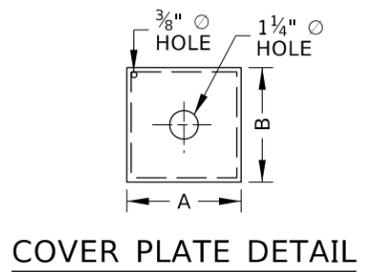
English

STANDARD DRAWING NO. 616-2

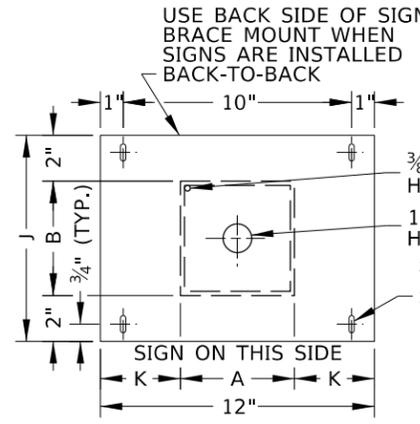
SHEET 2 OF 2



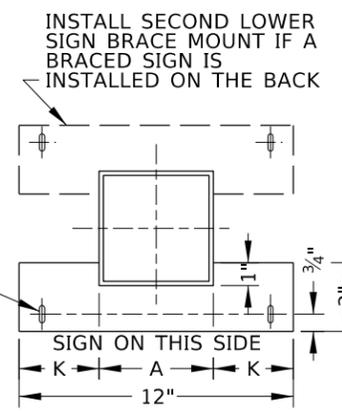
TYPE B - STEEL TUBE POST
SEE NOTE NOS. 10 & 11



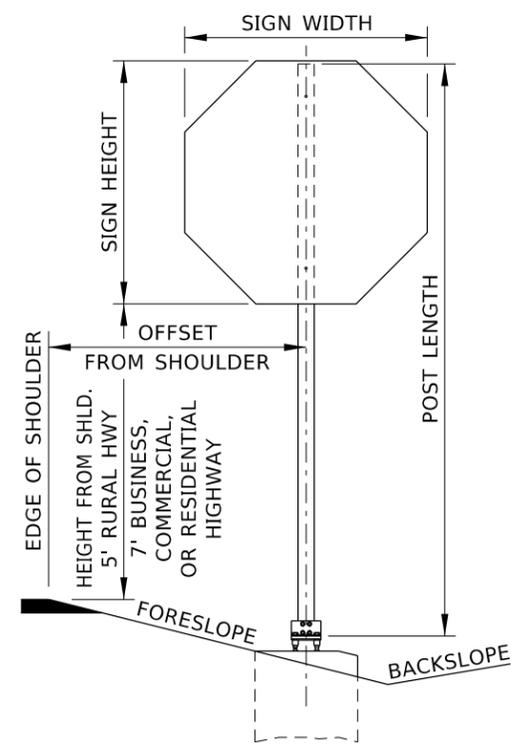
COVER PLATE DETAIL



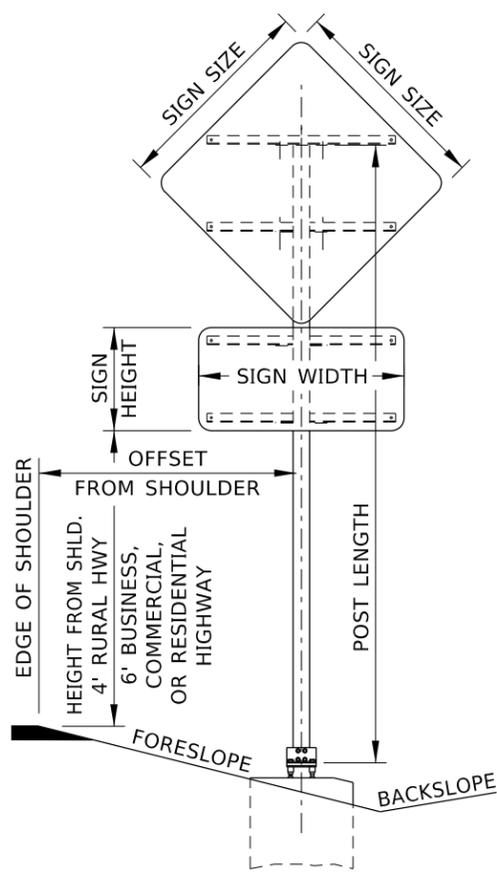
UPPER SIGN BRACE MOUNT DETAIL



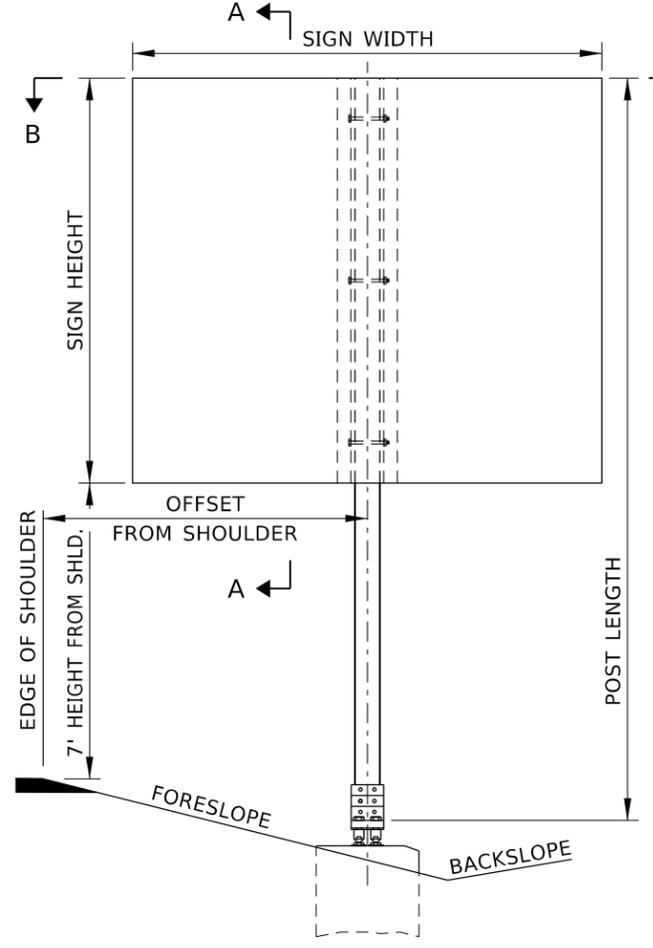
LOWER SIGN BRACE MOUNT DETAIL



INSTALLATION OF SIGN(S) WITHOUT SIGN BRACE MOUNTS AND BRACES

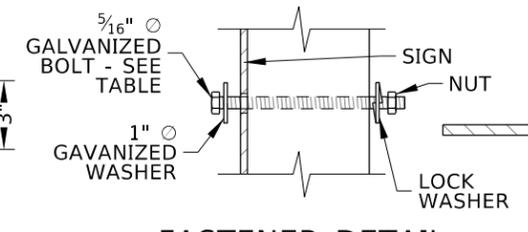


INSTALLATION OF SIGNS WITH SIGN BRACE MOUNTS AND BRACES

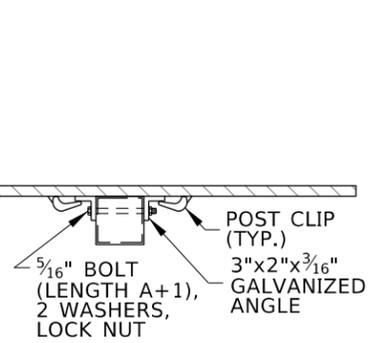


INSTALLATION OF TYPE C EXTRUDED ALUMINUM SIGN
SEE NOTE NO. 11

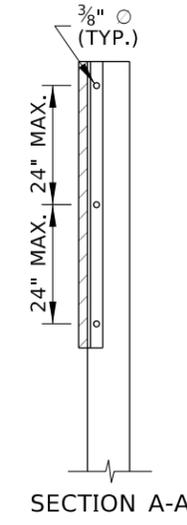
SIGN ASSEMBLY MEASUREMENTS



FASTENER DETAIL
SEE NOTE NO. 10



SECTION B-B



SECTION A-A

SIGN POST, FOUNDATION, AND TEMPLATE TABLE

POST TYPE	STEEL TUBE POST SIZE			POST WEIGHT (LB/FT)	MAXIMUM SIGN LOAD (SFxFT)	BREAK-SAFE ASSEMBLY MODEL	SIGN BRACE MOUNT*					SIZE (DIAXDEPTH) (INxIN)	CONCRETE (CY)	FOUNDATION			REINFORCING STEEL HOOPS			TEMPLATE			FASTENERS SIGN BOLT LENGTH (IN)		
	A (IN)	B (IN)	C (IN)				D (IN)	E (IN)	F (IN)	G (IN)	H (IN)			J (IN)	K (IN)	BAR SIZE	NUMBER OF BARS	LENGTH (FT)	BAR SIZE	NUMBER OF BARS	LENGTH (FT)	L (IN)		M (IN)	N (IN)
B-2	3	4	3/16	8.15	250	AS4	1 1/16	1 7/16	2 1/16	-	9/16	8	4 1/2	24x60	0.6	4	6	26	4	4	21	7 1/16	36	4 1/4	4 1/2
B-3	5	5	3/16	11.96	517	B525	1 1/8	3/4	1 7/8	1 3/4	9/16	9	3 1/2	30x60	0.9	4	6	26	4	4	28	13	40	3	5 1/2
B-4	6	6	3/16	14.51	760	B525	1 1/8	3/4	1 7/8	1 3/4	9/16	10	3	30x60	0.9	4	6	26	4	4	28	14	40	3	6 1/2

* SEE NOTE NO. 10
† SEE NOTE NO. 11

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

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-23	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-6_0423.dgn
DRAWING DATE: DECEMBER, 2016

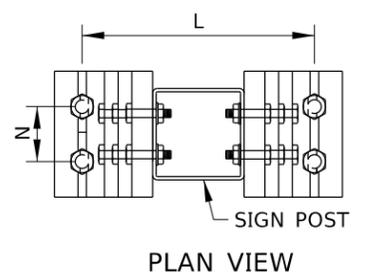
IDAHO TRANSPORTATION DEPARTMENT
YOUR Safety → YOUR Mobility → YOUR Economic Opportunity
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

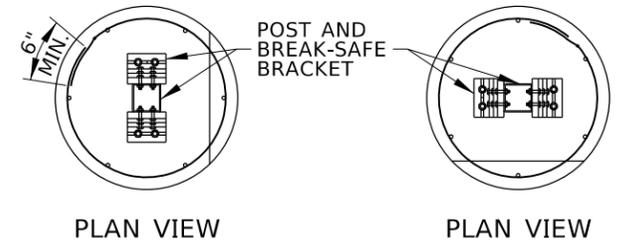
STANDARD DRAWING
STEEL SIGN POST AND FOUNDATION
TYPE B - STEEL TUBE POST

ENGLISH
STANDARD DRAWING NO. 616-6
SHEET 1 OF 2

PROFESSIONAL ENGINEER
RYAN D. LANCASTER
STATE OF IDAHO
MAINT 8, 2014

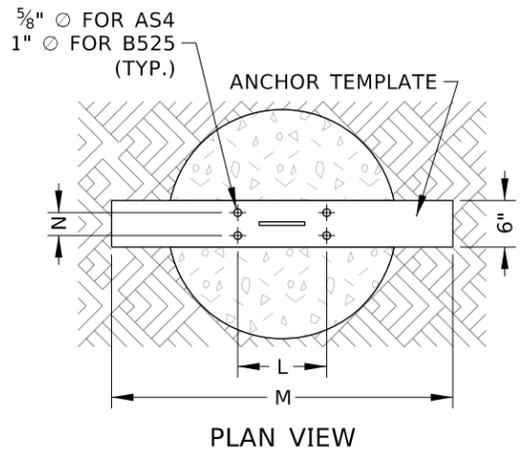


PLAN VIEW

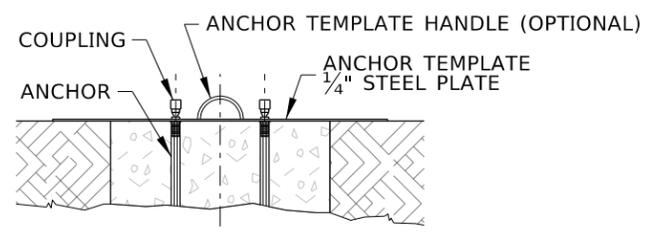


PLAN VIEW

BREAK-SAFE BRACKET DETAIL



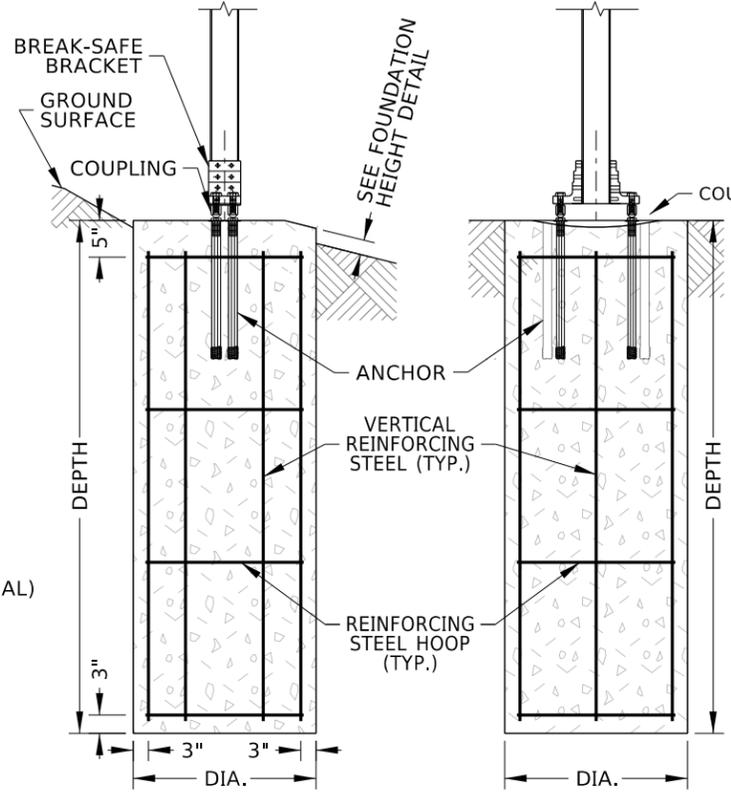
PLAN VIEW



ELEVATION

TEMPLATE DETAIL

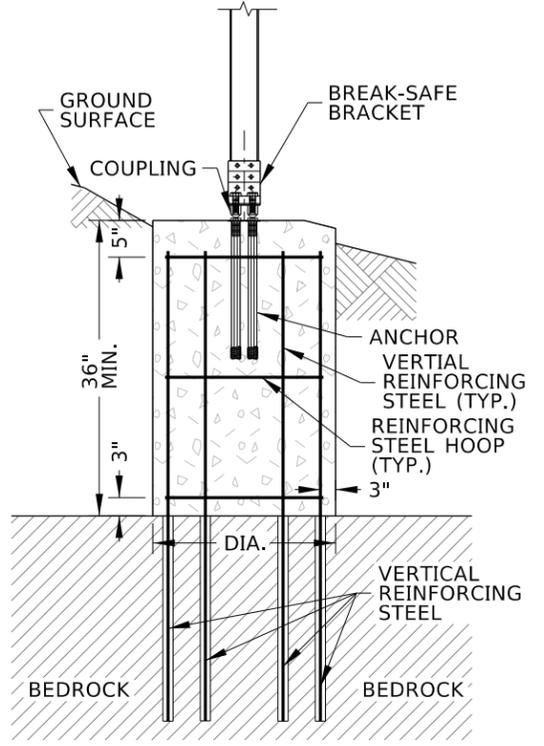
SEE NOTE NO. 3



ELEVATION FRONT VIEW
ELEVATION SIDE VIEW

FOUNDATION

SEE NOTE NOS. 8 & 9



ELEVATION FRONT VIEW

ALTERNATE FOUNDATION

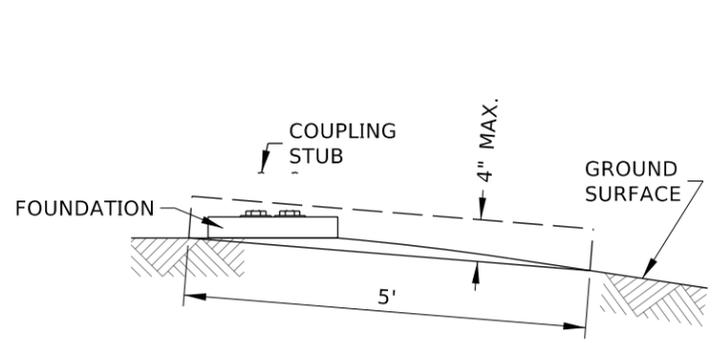
SEE NOTE NO. 9

ALTERNATE FOUNDATION TABLE				
SIZE (DIAxDEPTH) (INxIN)	CONCRETE (CY)	REINFORCING STEEL HOOPS*		
		BAR SIZE	NUMBER OF BARS	LENGTH (FT)
24x36	0.35	4	4	16
30x36	0.55	4	4	21
36x36	0.80	4	4	25

* SEE SIGN POST, FOUNDATION, AND TEMPLATE TABLE FOR VERTICAL REINFORCING STEEL.

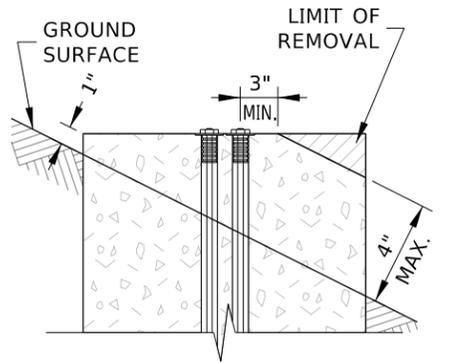
NOTES

- USE TYPE B - STEEL TUBE POSTS - WITH TYPE B - SHEET ALUMINUM, TYPE C - EXTRUDED ALUMINUM PANEL, AND TYPE E - HDO PLYWOOD SIGNS.
- SEE THE TRAFFIC MANUAL TO CALCULATE SIGN LOAD PER POST.
- USE BREAK-SAFE BREAKAWAY SUPPORT SYSTEM WITH TYPE B - STEEL TUBE POSTS. FOLLOW THE MANUFACTURERS INSTRUCTIONS. FABRICATE AND USE AN ANCHOR TEMPLATE TO ENSURE ANCHOR PLACEMENT.
- SEE PROJECT SIGN SUMMARY FOR SIGN ASSEMBLY DIMENSIONS.
- INSTALL ONLY ONE TYPE B - STEEL TUBE POST PER SIGN ASSEMBLY.
- ALIGN POST SO DIMENSION B IS PARALLEL TO THE TRAFFIC DIRECTION.
- STEEL TUBE POSTS (WITH THE BREAK-SAFE BREAKAWAY SUPPORT SYSTEM SHOWN) DO NOT NEED TO BE SHIELDED BY GUARDRAIL OR BARRIER. WHEN STEEL TUBE POSTS ARE INSTALLED BEHIND GUARDRAIL OR BARRIER, ENSURE THE POSTS ARE OUTSIDE OF THE GUARDRAIL OR BARRIER WORKING WIDTH.
- CAST FOUNDATION IN NATIVE SOILS IN AN AUGERED HOLE. IF AN AUGURED HOLE IS IMPRACTICAL, CAST THE FOUNDATION IN A CORRUGATED METAL PIPE FORM AND BACKFILLED IN ACCORDANCE WITH SECTION 210.
- IF SOLID BEDROCK IS ENCOUNTERED WITHIN THE FOUNDATION DEPTH, USE THE ALTERNATE FOUNDATION. QUANTITIES SHOWN FOR THE ALTERNATE FOUNDATION ASSUME 36" DEPTH TO BEDROCK. SOCKET VERTICAL REINFORCING STEEL FOR THE DEPTH SHOWN IN THE FOUNDATION MATERIAL QUANTITIES. DRILL 2 INCH MINIMUM DIAMETER HOLES. FILL DRILLED HOLES WITH GROUT, TYPE B, CLASS 1. NOTIFY THE ENGINEER IF THE DEPTH TO SOLID BEDROCK IS LESS THAN 36". IF LESS THAN 36", REDESIGN OF THE FOUNDATION MAY BE REQUIRED.
- TYPE B - SHEET ALUMINUM - OR TYPE E - HDO PLYWOOD - SIGNS ARE INSTALLED DIRECTLY TO THE POST OR WITH BRACES OR BRACKETS DEPENDENT ON SIGN SIZE AND APPLICATION.
 - IF SIGNS ARE INSTALLED DIRECTLY TO THE POST, WELD A COVER PLATE ON TOP OF THE POST AND DRILL 3/8" HOLES INTO POST TO INSTALL SIGN FASTENERS.
 - IF SIGNS ARE INSTALLED WITH BRACES, WELD SIGN BRACE MOUNTS AND FASTEN THE BRACES TO THE SIGN BRACE MOUNTS.
- FOR TYPE C - EXTRUDED ALUMINUM SIGNS, WELD A COVER PLATE ON TOP OF THE POST AND AFFIX GALVANIZED ANGLE TO POST AND CLIP SIGN TO ANGLE.
- SIGNS CAN BE MOUNTED BACK-TO-BACK IF THE SHAPE OF STOP, YIELD, OR WARNING SIGNS ARE NOT SHIELDED.
- INSTALL SIGNS AT THE FOLLOWING HEIGHTS:
 - IF INSTALLED IN A RURAL AREA, 5 FEET ABOVE THE PAVEMENT ELEVATION OR 4 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN.
 - IF INSTALLED IN THE VICINITY OF A CURB OR IN A BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA WHERE PARKING OR PEDESTRIAN MOVEMENTS ARE LIKELY, 7 FEET ABOVE THE PAVEMENT ELEVATION OR 6 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN. IF INSTALLED LOWER THAN 7 FEET, ENSURE SIGNS DO NOT PROJECT MORE THAN 4 INCHES INTO THE PEDESTRIAN FACILITY.
- WHEN THE SIGN IS INSTALLED ON A BACKSLOPE, ENSURE THE SIGN POST IS AT LEAST 5' HIGHER THAN THE GROUND SURFACE.
- ENSURE NO PART OF THE FOUNDATION OR STUB OF BREAKAWAY SYSTEM PROJECT MORE THAN 4 IN. ABOVE ANY 5 FT. CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE HIGHWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.
- DRAWING NOT TO SCALE.



BREAK-SAFE COUPLING STUB HEIGHT DETAIL

SEE NOTE NO. 15



FOUNDATION HEIGHT DETAIL

SEE NOTE NO. 15

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-23	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-6_0423.dgn
DRAWING DATE: DECEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT
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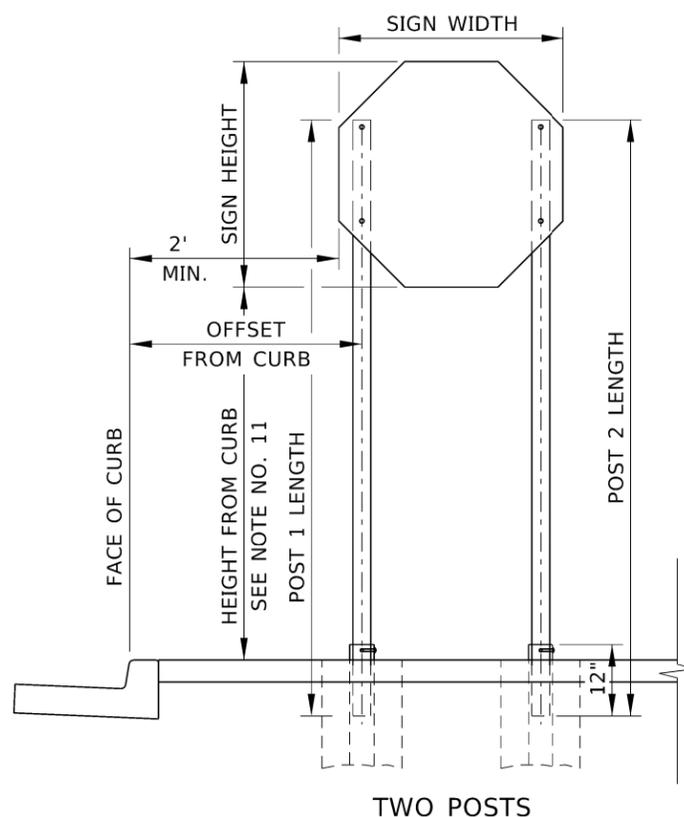
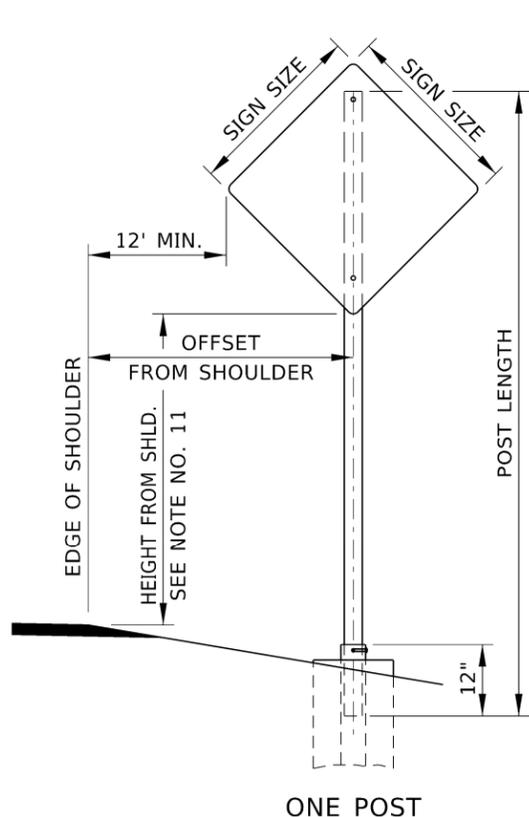
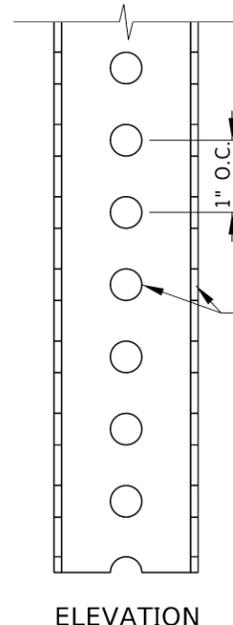
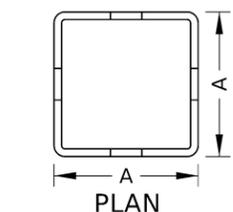
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

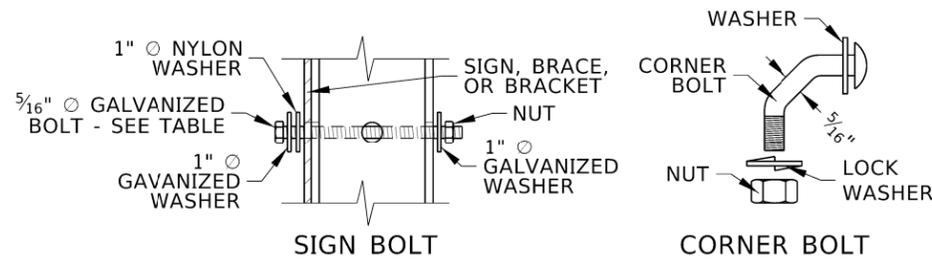
STANDARD DRAWING
STEEL SIGN POST AND FOUNDATION
TYPE B - STEEL TUBE POST

ENGLISH
STANDARD DRAWING NO.
616-6
SHEET 2 OF 2

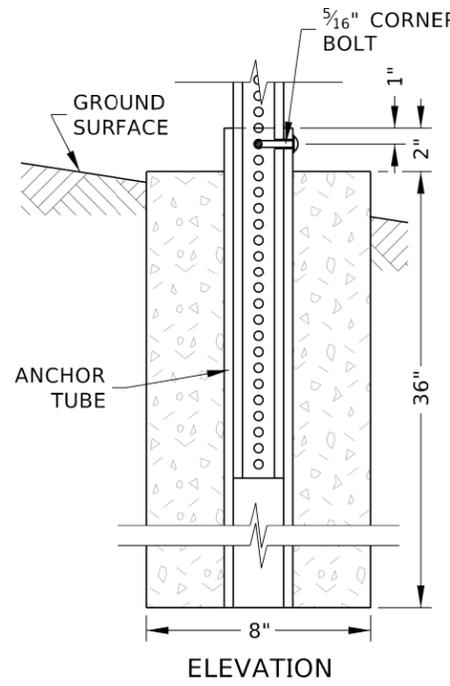
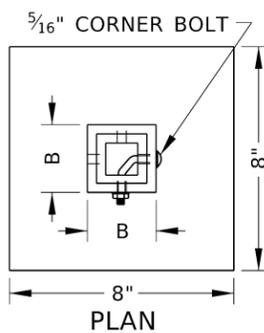
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



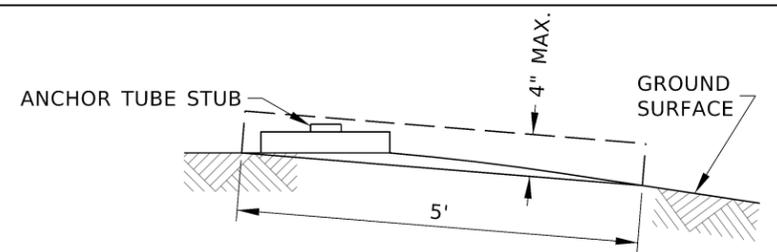
SIGN ASSEMBLY MEASUREMENTS



FASTENER DETAILS
SEE NOTE NO. 10



FOUNDATION
SEE NOTE NOS. 12 & 13



FOUNDATION AND STUB HEIGHT DETAIL
SEE NOTE NO. 15

NOTES

- USE TYPE E - PERFORATED STEEL TUBE POSTS - WITH TYPE B - SHEET ALUMINUM AND TYPE E - HDO PLYWOOD SIGNS.
- SEE THE TRAFFIC MANUAL TO CALCULATE SIGN LOAD PER POST.
- SEE PROJECT SIGN SUMMARY FOR SIGN ASSEMBLY DIMENSIONS.
- USE ONE OR MORE TYPE E - PERFORATED STEEL TUBE POST. DO NOT MIX E-1 AND E-2 POSTS ON THE SAME SIGN ASSEMBLY.
- POST 1 IS CLOSEST TO THE HIGHWAY, WHETHER INSTALLED ON THE RIGHT OR LEFT SIDE.
- A BREAKAWAY DEVICE MUST BE INSTALLED IF THREE POSTS ARE USED. REFER TO THE ITD QUALIFIED PRODUCTS LIST FOR BREAKAWAY DEVICES.
- TYPE E - PERFORATED STEEL TUBE POSTS - DO NOT NEED TO BE SHIELDED BY GUARDRAIL OR BARRIER. WHEN PERFORATED STEEL POSTS ARE INSTALLED BEHIND GUARDRAIL OR BARRIER, ENSURE THE POSTS ARE OUTSIDE OF THE GUARDRAIL OR BARRIER WORKING WIDTH.
- SIGNS CAN BE MOUNTED BACK-TO-BACK IF THE SHAPE OF STOP, YIELD, OR WARNING SIGNS ARE NOT SHIELDED.
- SIGNS ARE INSTALLED WITH OR WITHOUT BRACES DEPENDENT ON SIGN SIZE AND APPLICATION.
- TYPE B - SHEET ALUMINUM - OR TYPE E - HDO PLYWOOD - SIGNS CAN BE AFFIXED TO THE POST OR THROUGH BRACES OR BRACKETS.
- INSTALL SIGNS AT THE FOLLOWING HEIGHTS:
 - IF INSTALLED IN A RURAL AREA, 5 FEET ABOVE THE PAVEMENT ELEVATION OR 4 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN.
 - IF INSTALLED IN THE VICINITY OF A CURB OR IN A BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA WHERE PARKING OR PEDESTRIAN MOVEMENTS ARE LIKELY, 7 FEET ABOVE THE PAVEMENT ELEVATION OR 6 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN. IF INSTALLED LOWER THAN 7 FEET, ENSURE SIGNS DO NOT PROJECT MORE THAN 4 INCHES INTO THE PEDESTRIAN FACILITY.
- PRECAST FOUNDATION OR CAST FOUNDATION IN PLACE. ENSURE THE BOTTOM OF THE FOUNDATION IS KEPT OPEN TO DRAIN. IF THE ANCHOR TUBE IS PERFORATED, ENSURE THE INSIDE OF THE ANCHOR REMAINS OPEN.
- IF SOLID BEDROCK IS ENCOUNTERED WITHIN THE FOUNDATION DEPTH, DRILL A 4.5 INCH VERTICAL HOLE AND SOCKET THE ANCHOR TUBE. FILL DRILLED HOLES WITH GROUT, TYPE B, CLASS 1. ENSURE THE INSIDE OF THE ANCHOR TUBE REMAINS OPEN. WHEN INSTALLED IN BEDROCK, ENSURE THE E-1 POST IS EMBEDDED 18 INCHES DEEP AND THE E-2 POST IS EMBEDDED 24 INCHES.
- WHEN THE SIGN IS INSTALLED ON A BACKSLOPE, ENSURE THE SIGN POST IS AT LEAST 5' HIGHER THAN THE GROUND SURFACE.
- ENSURE NO PART OF THE FOUNDATION OR SIGN POST STUB PROJECTS MORE THAN 4 IN. ABOVE ANY 5 FT. CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE HIGHWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.
- DRAWING NOT TO SCALE.

SIGN POST AND FOUNDATION TABLE										
POST TYPE	TYPE E PERFORATED STEEL TUBE POST		POST WEIGHT (LB/FT)	MAXIMUM SIGN LOAD (SFxFT)	FOUNDATION		ANCHOR TUBE		POST WEIGHT (LB/FT)	SIGN BOLT LENGTH (IN)
	PERFORATED STEEL TUBE POST SIZE A (IN)	GAUGE			SIZE (INxINxIN)	CONCRETE (CY)	B (IN)	GAUGE		
E-1	2	12	2.42	43	8x8x36	0.05	2 1/2 x 2 1/2	7	5.59	2 1/2
E-2	2 1/2	10	4.01	91	8x8x36	0.05	3x3	7	6.87	3

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	02-92	JEC	6	05-15	HEB				
2	12-94	HEB	7	12-16	HEB				
3	06-99	HEB	8	02-23	RDL				
4	12-01	NQB							
5	12-13	HEB							

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CADD FILE NAME: 616-7_0423.dgn
DRAWING DATE: JULY, 1991

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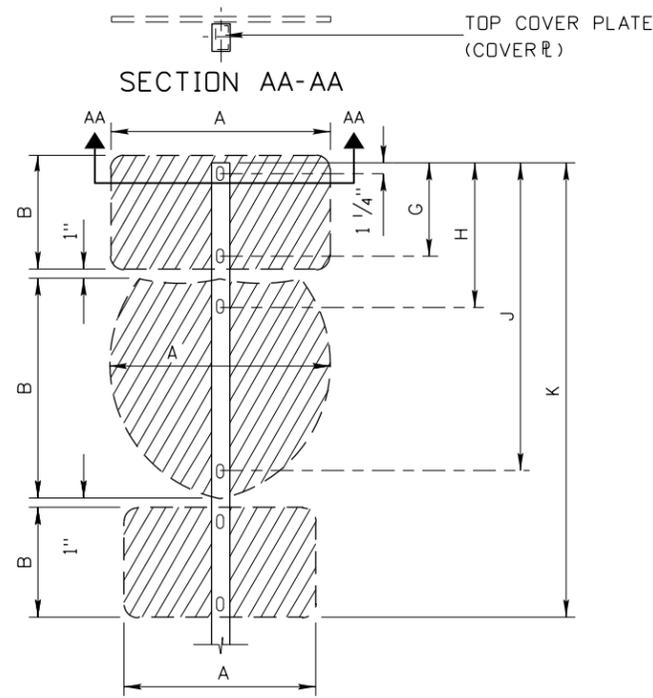
ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
STEEL SIGN POST AND FOUNDATION
TYPE E - PERFORATED STEEL TUBE POST

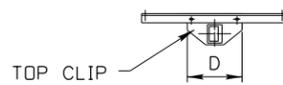
ENGLISH
STANDARD DRAWING NO.
616-7
SHEET 1 OF 1

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

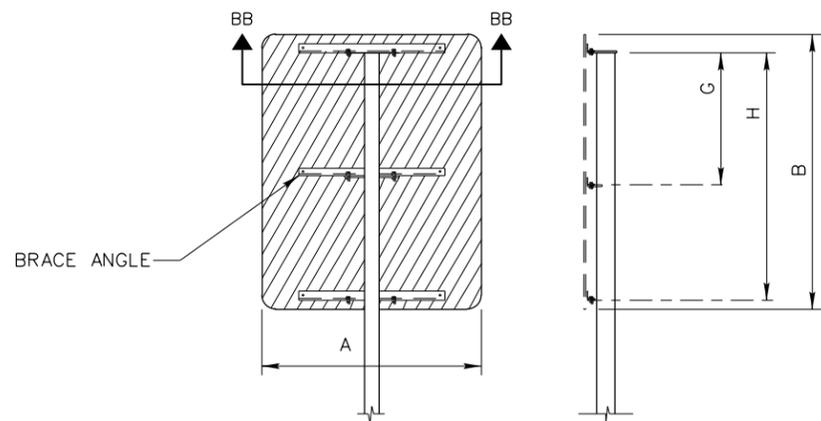
PROFESSIONAL ENGINEER
RYAN D. LANCASTER
STATE OF IDAHO
LICENSED PROFESSIONAL ENGINEER
NO. 3683
MAINT. 1, 2024



4" x 3" POST DETAILS



SECTION BB-BB

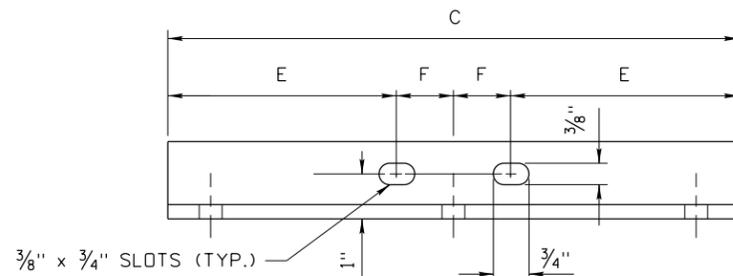


POST AND BRACE ANGLES
4" x 3", 5" x 5", 6" x 6" POSTS

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
WARNING & AUXL. SIGNS	36"	24"	32"	12"	11"	5"	18"	N/A	14.80
	36"	30"	32"	12"	11"	5"	24"	N/A	14.80
	36" DIAMOND		26"	12"	8"	5"	16"	N/A	12.00
	18" DIAMOND		*	*	*	*	*	N/A	12.00
WARNING	48" DIAMOND		42"	12"	16"	5"	20"	N/A	19.40
	24" DIAMOND		*	*	*	*	*	N/A	19.40
	36" DIAMOND		26"	12"	8"	5"	16"	N/A	12.00
WARNING LARGE ARROW	48" DIAMOND		42"	12"	16"	5"	20"	N/A	19.40
	60" DIAMOND		44"	12"	17"	5"	30"	N/A	20.40
JUNCTION ASSEMBLY	21"	15"	*	*	*	*	POST TOP CLIP NOT REQ'D-COVER PLATE ONLY		
	2-24" ROUTE MARKERS		27"	12"	8 1/2"	5"	20"	38"	12.50
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		
	3-24" ROUTE MARKERS		54"	12"	21"	5"	20"	38"	25.00

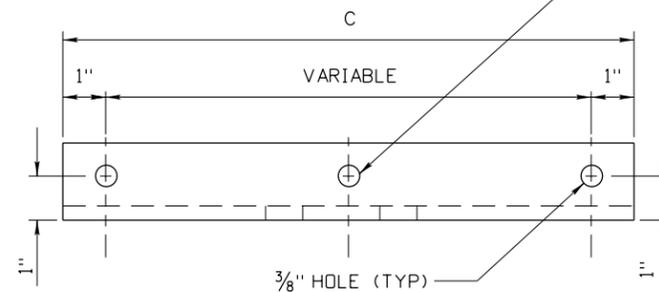
- NOTES:
- WEIGHTS OF BRACE ANGLES DO NOT INCLUDE GALVANIZING.
 - ALL BRACE ANGLES SHALL BE 1 3/4" x 1 3/4" x 1/4" AT 2.77 LBS./FT.
 - THE AUXILIARY SIGNS SHALL BE ATTACHED BY DRILLING THE POST WITH TWO HOLES AND FLUSH MOUNT THE SIGN TO THE FACE OF THE POST.
 - REFER TO STANDARD DRAWING 616-6.
 - WHEN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

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"	N/A	N/A	N/A	
	24"	30"	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"
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	
	24"	24"	N/A	15 3/4"	33 3/4"	51 1/4"
	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"	

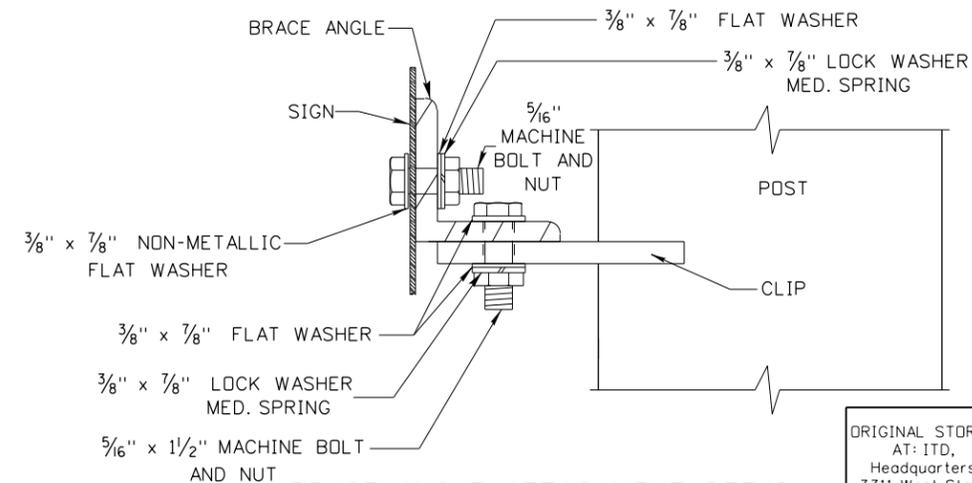


3/8" x 3/4" SLOTS (TYP.)

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



BRACE ANGLE DETAIL



BRACE ANGLE ATTACHMENT DETAIL

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

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

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DRAWING DATE: DECEMBER, 2007

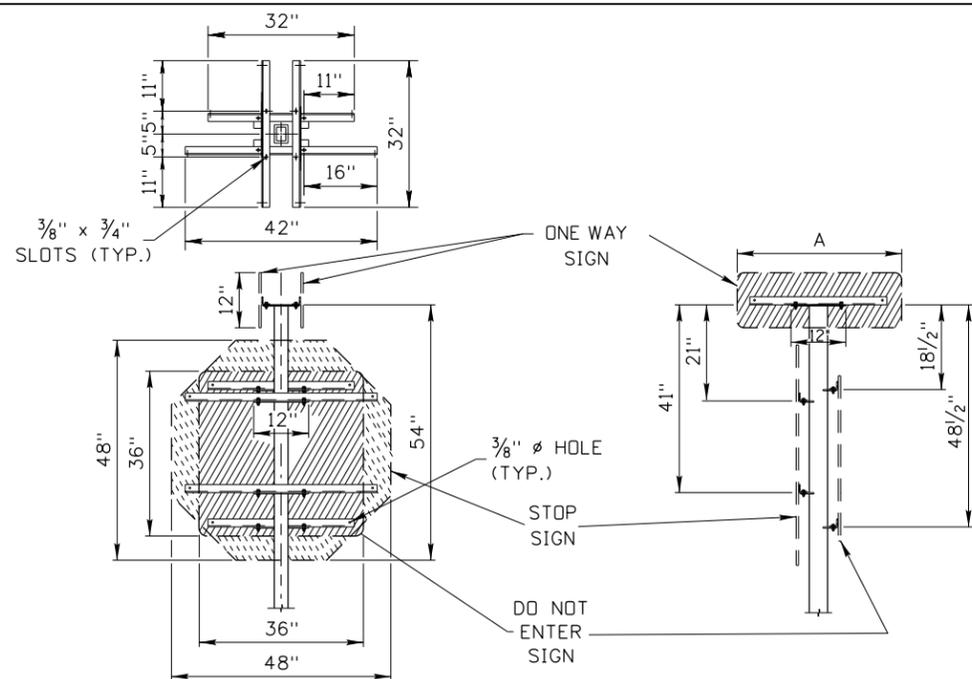
IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

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

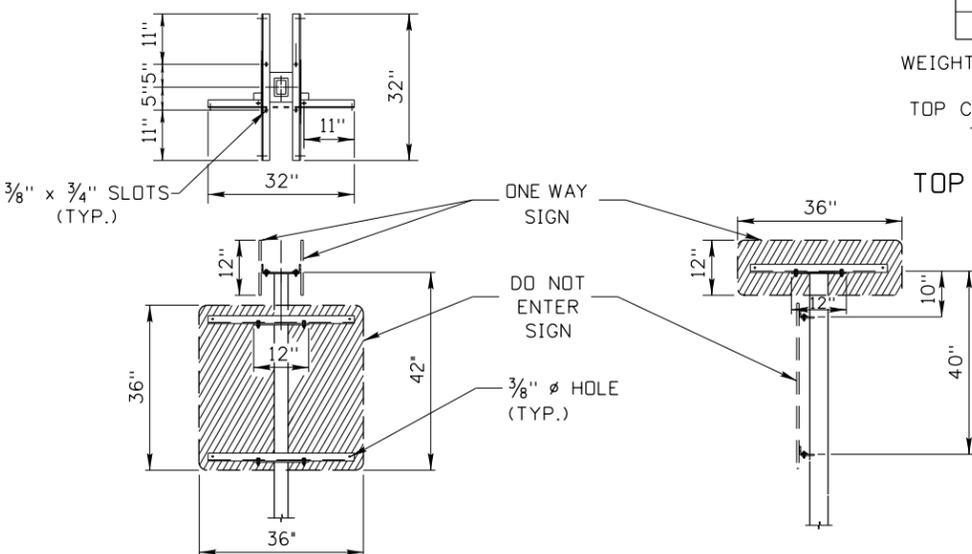
STANDARD DRAWING
B POST AND BRACE ANGLE DETAIL

English
STANDARD DRAWING NO.
616-16
SHEET 1 OF 2



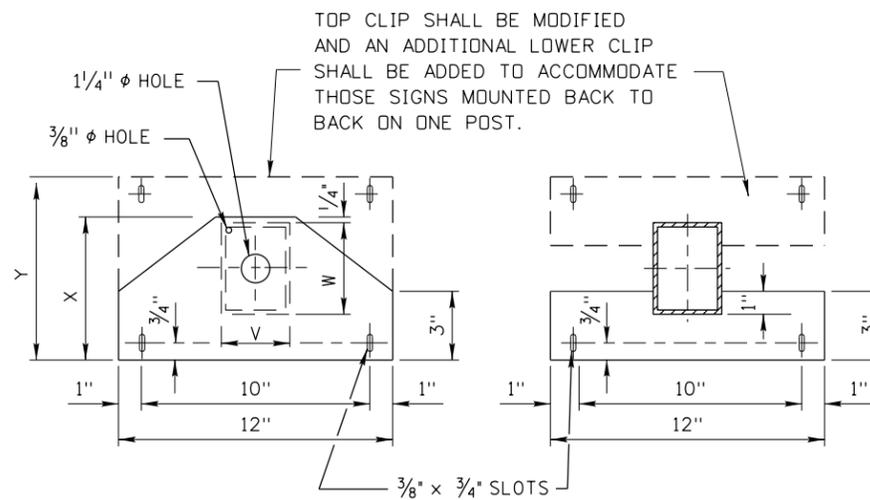
WEIGHT OF BRACE ANGLES = 48.92 lbs.

RAMP TERMINAL ASSEMBLY "A"

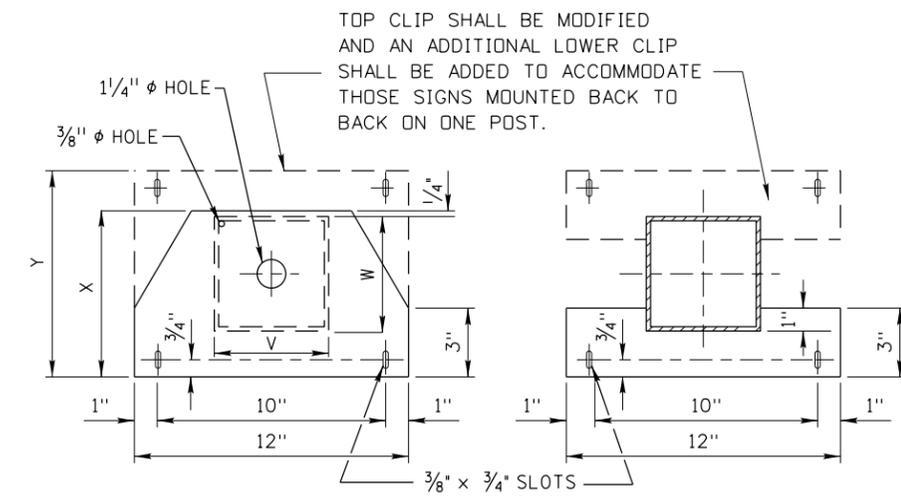


WEIGHT OF BRACE ANGLES = 29.56 lbs.

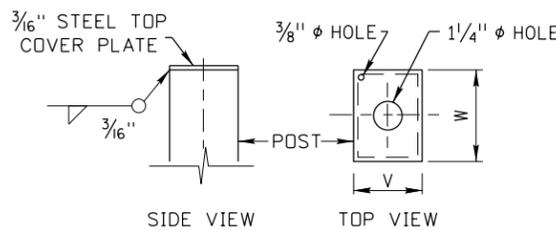
RAMP TERMINAL ASSEMBLY "B"



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		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

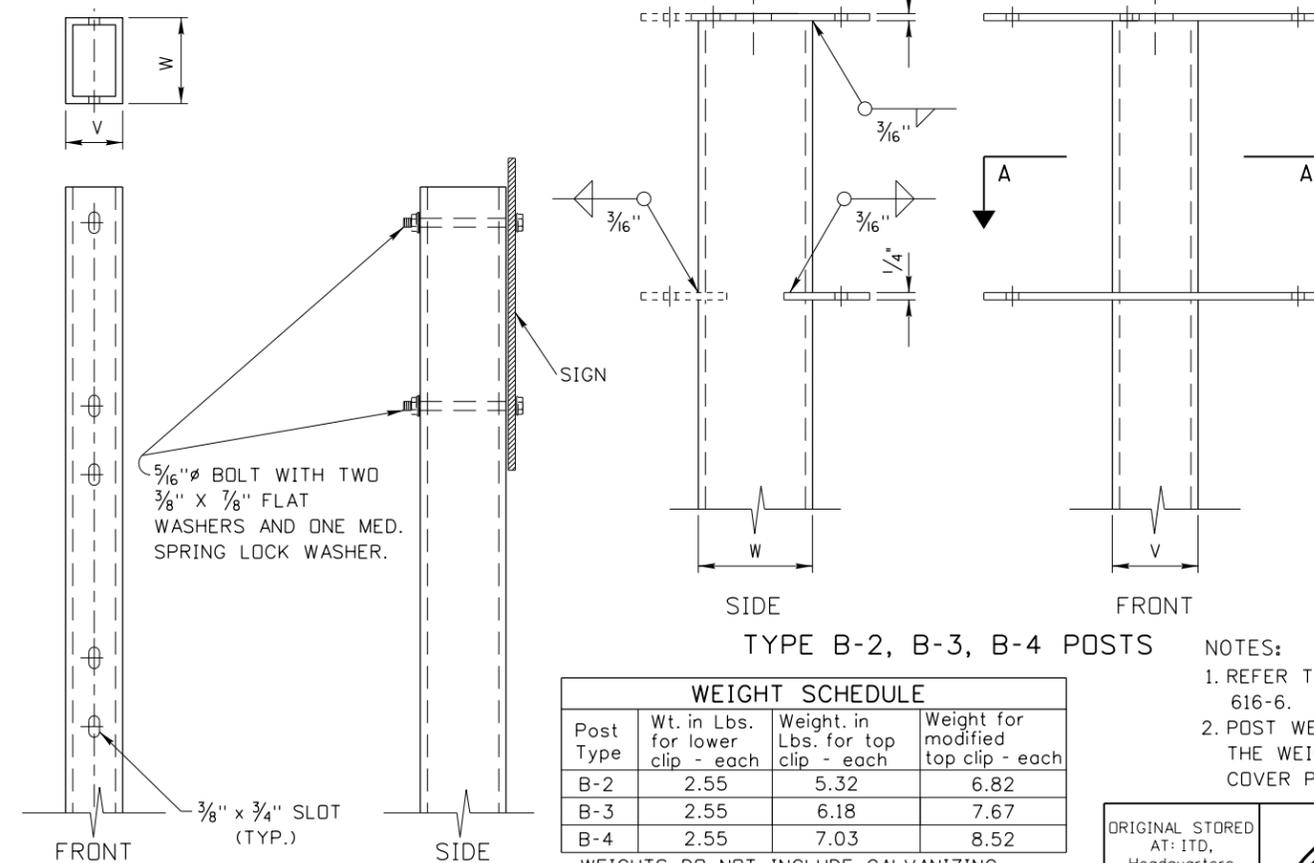
WEIGHTS DO NOT INCLUDE GALVANIZING

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

TOP COVER PLATE DETAILS

Post Type	Post		Top Clip	
	V	W	X	Y
B-2	3"	4"	6 $\frac{1}{4}$ "	8"

Post Type	Post		Top Clip	
	V	W	X	Y
B-3	5"	5"	7 $\frac{1}{4}$ "	9"
B-4	6"	6"	8 $\frac{1}{4}$ "	10"



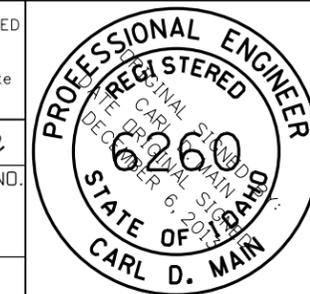
TYPE B-2 POST

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:
- REFER TO STANDARD DRAWING 616-6.
 - 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
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					

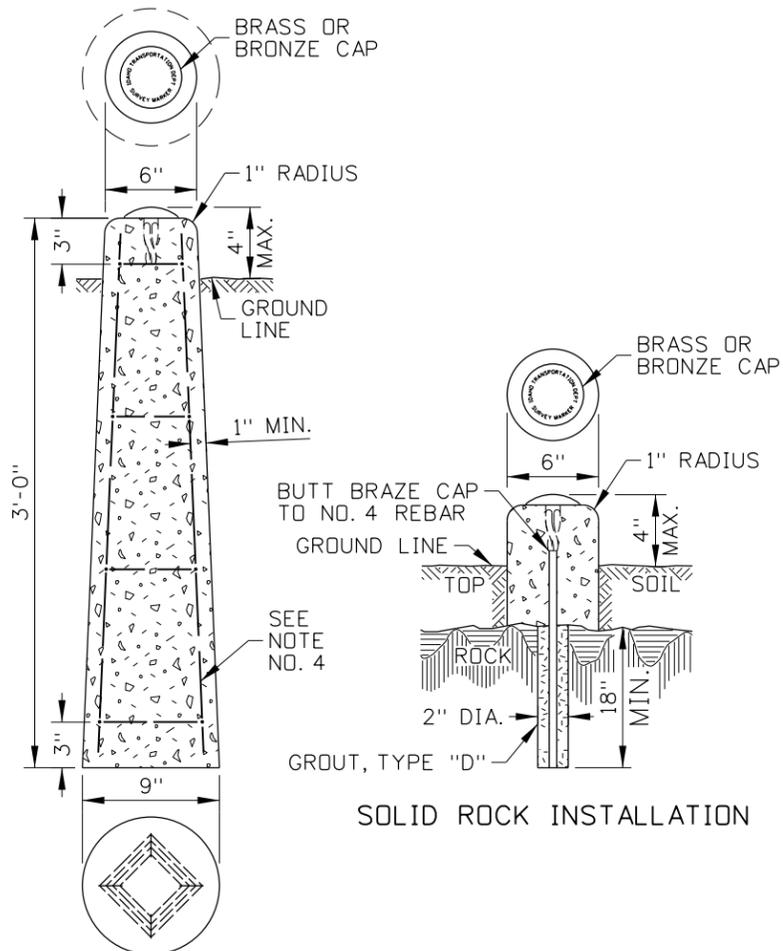
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 616-16_1213.dgn
DRAWING DATE: DECEMBER, 2007

IDAHO TRANSPORTATION DEPARTMENT
BOISE IDAHO

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

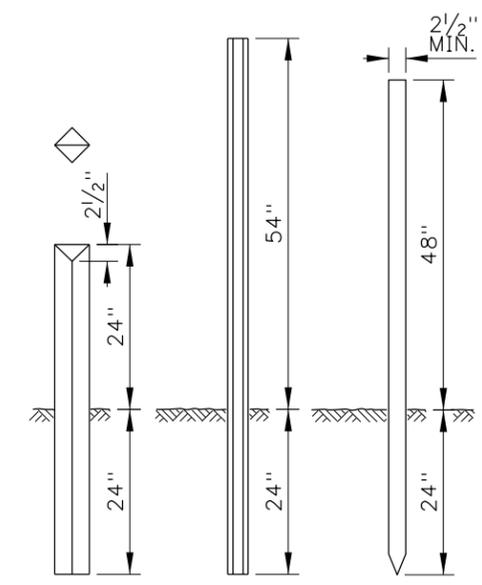
STANDARD DRAWING
B POST AND BRACE ANGLE DETAIL

English
STANDARD DRAWING NO. 616-16
SHEET 2 OF 2

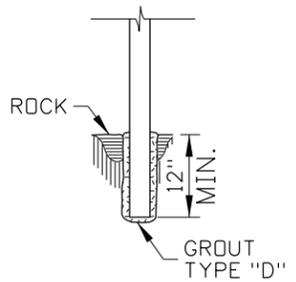


SOLID ROCK INSTALLATION

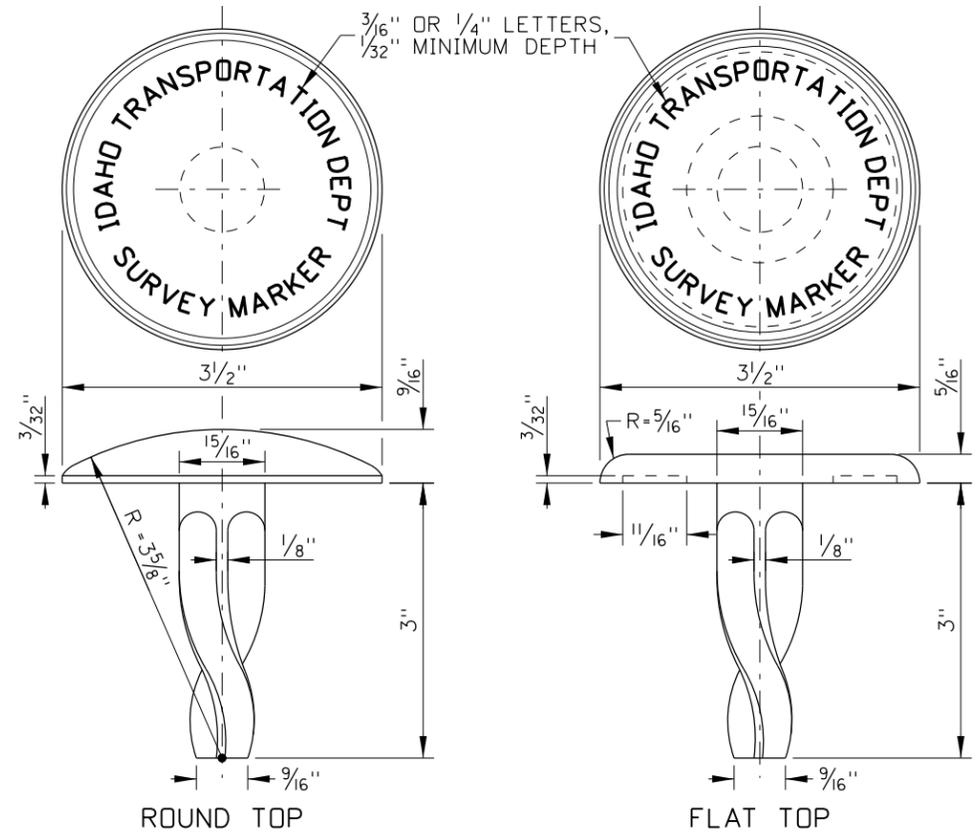
EARTH INSTALLATION
MONUMENT MARKER



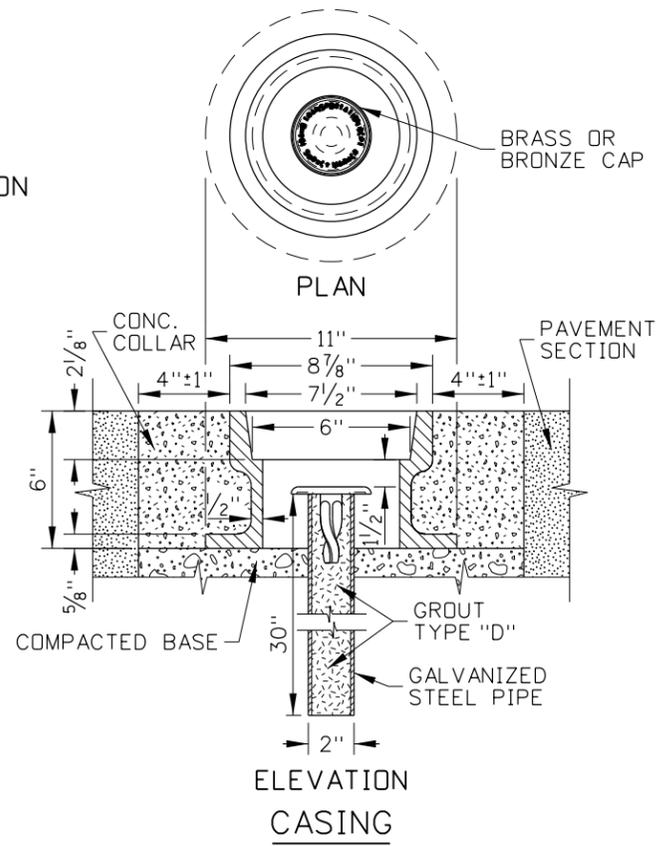
WITNESS POSTS



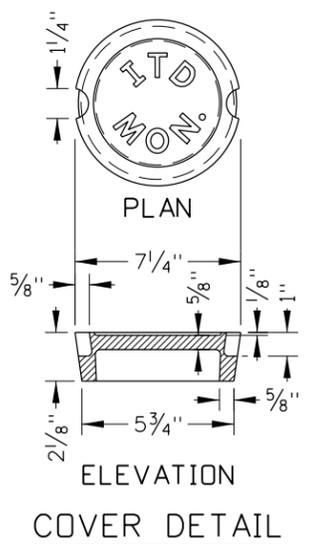
WITNESS POST
SOLID ROCK
INSTALLATION DETAIL



BRASS OR BRONZE CAP DETAILS



ELEVATION
CASING



COVER DETAIL

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

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DRAWING DATE: APRIL, 1961

IDAHO TRANSPORTATION DEPARTMENT



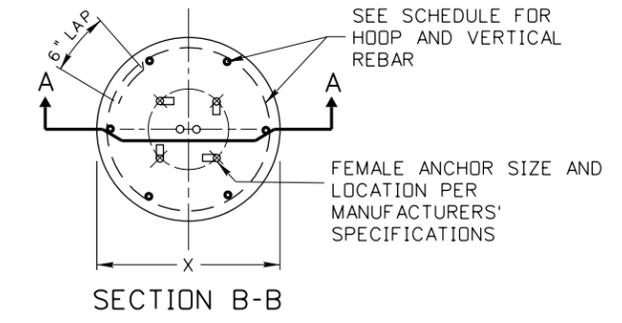
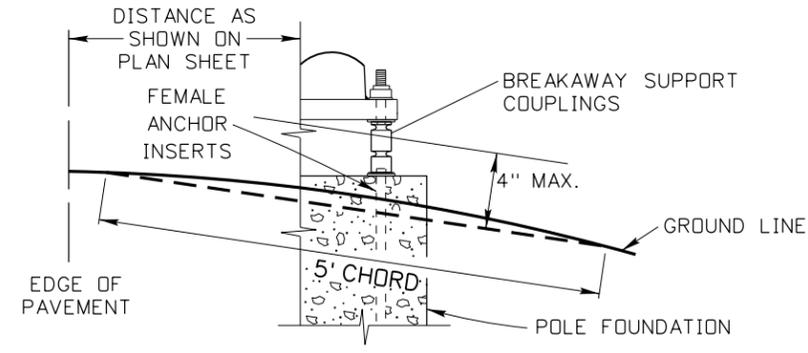
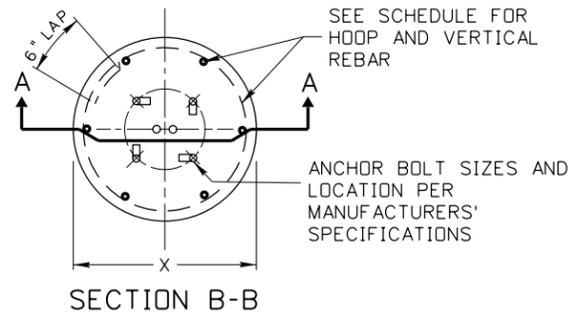
BOISE IDAHO

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

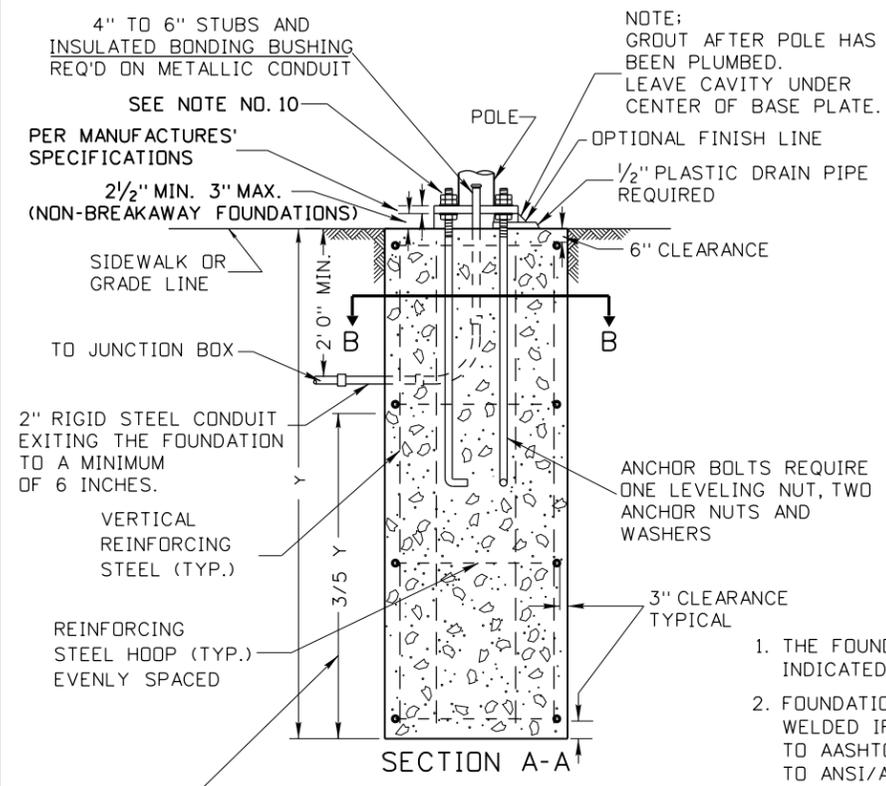
STANDARD DRAWING
**MARKER POSTS,
WITNESS POSTS,
AND STREET MONUMENTS**

English
STANDARD DRAWING NO.
618-1
SHEET 1 OF 1

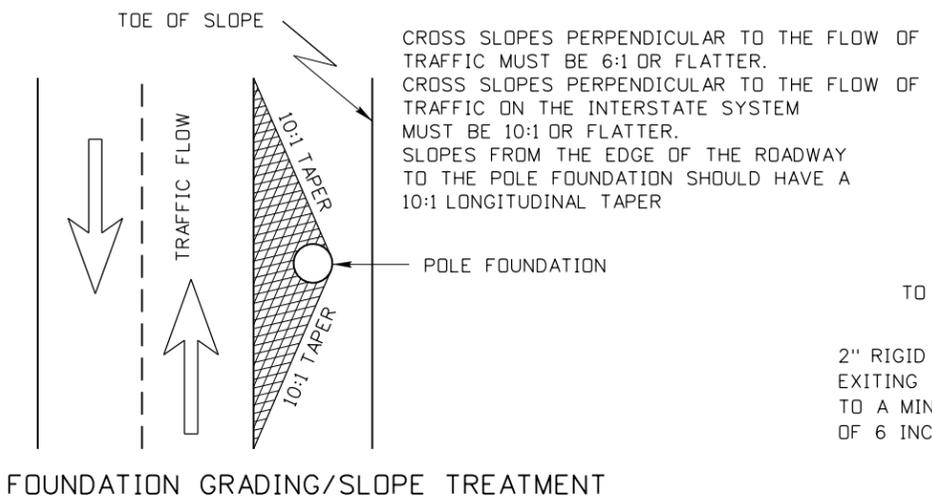
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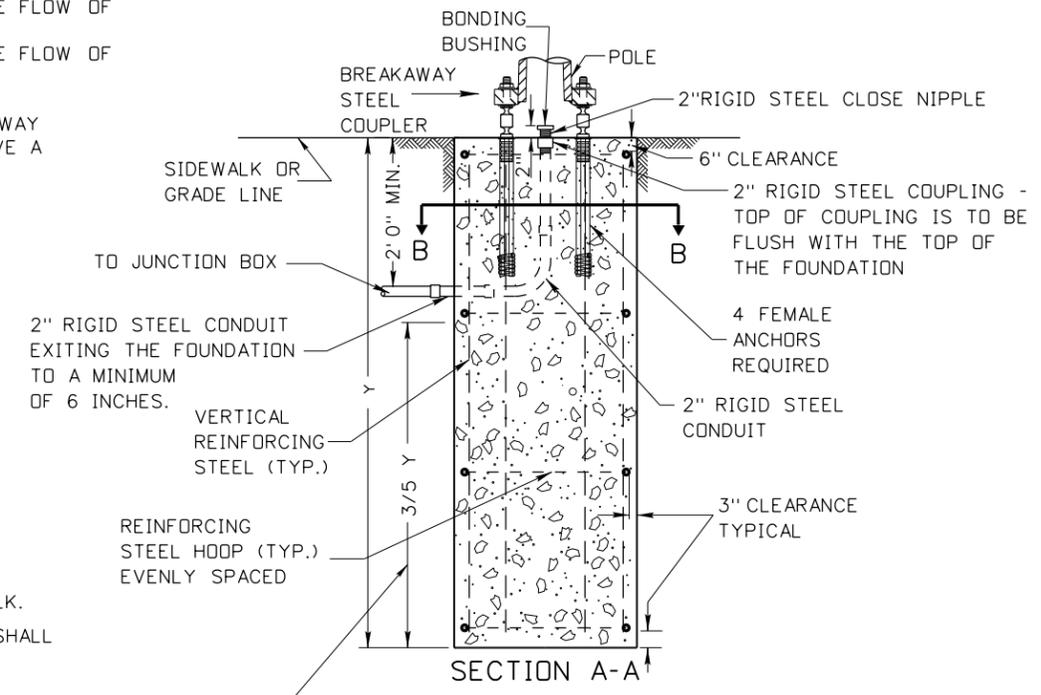
BREAKAWAY SUPPORT CLEARANCE DIAGRAMS



TYPICAL POLE FOUNDATION IN DRILLED HOLE ANCHOR BASE



FOUNDATION GRADING/SLOPE TREATMENT



TYPICAL POLE FOUNDATION IN DRILLED HOLE BREAKAWAY BASE

GENERAL NOTES:

1. THE FOUNDATIONS SHALL BE LOCATED AS INDICATED ON THE PROJECT PLAN SHEETS.
2. FOUNDATION REINFORCING STEEL CAGES MAY BE WELDED IF THE REINFORCING STEEL CONFORMS TO AASHTO M 31 AND ALL WELDING CONFORMS TO ANSI/AWS D1.4 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
3. REINFORCING STEEL IN POLE FOUNDATIONS SHALL BE 60 KSI STEEL.
4. STEEL TEMPLATE REQUIRED FOR ANCHOR BOLT PLACEMENT.
5. CLASS 40A CONCRETE SHALL BE USED IN POLE FOUNDATIONS.
6. FOUNDATION CONCRETE SHALL ACHIEVE 100% STRENGTH AND CURE FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
7. FILLER JOINT MATERIAL WILL BE PLACED AROUND POLE FOUNDATION WHEN POLE FOUNDATION IS IN CONTACT WITH SIDEWALK.
8. ELEVATION OF TOP OF POLE FOUNDATION SHALL MATCH THE ADJACENT PAVEMENT EDGE OR SIDEWALK ELEVATION.
9. ANCHOR BASE ASSEMBLIES SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SUBSECTION 619.03 OF THE ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE SUPPLEMENTAL SPECIFICATIONS.
10. DRAWING NOT TO SCALE.

THE LOWER 3/5 OF THE FOUNDATION TO BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE UPPER 2/5 OF THE FOUNDATION MAY BE FORMED AS NEEDED.

THE LOWER 3/5 OF THE FOUNDATION TO BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE UPPER 2/5 OF THE FOUNDATION MAY BE FORMED AS NEEDED.

POLE FOUNDATION SCHEDULE												
POLE TYPE	MOUNTING HEIGHT	MASTARM LENGTH	FOUNDATION TYPE	X	Y	REINFORCING STEEL HOOPS			VERTICAL REINFORCING STEEL			CUBIC YARDS CONCRETE
						QTY.	SIZE	LIN.FT.	QTY.	SIZE	LIN.FT.	
LIGHT POLE	30'	ALL	A	2'-0"	5'-0"	4	*4	20'-10"	6	*4	25'-6"	0.6
LIGHT POLE	35'	ALL	B	2'-6"	7'-0"	4	*4	27'-2"	6	*6	37'-6"	1.3
LIGHT POLE	40'-50'	ALL	C	3'-0"	8'-0"	5	*4	41'-10"	8	*6	58'-0"	2.1

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

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NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

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CADD FILE NAME: 619-1_0517.dgn

DRAWING DATE: MAY, 2017

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

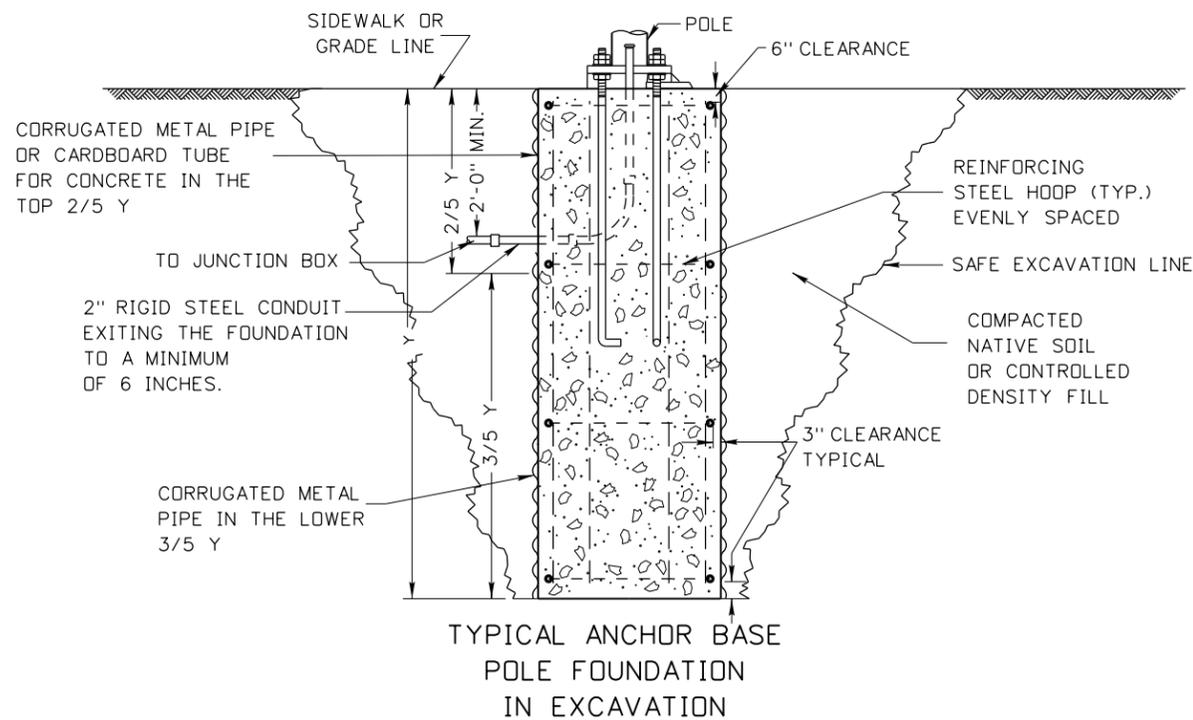
LIGHT POLE FOUNDATION DETAILS

English

STANDARD DRAWING NO. 619-1

SHEET 1 OF 2

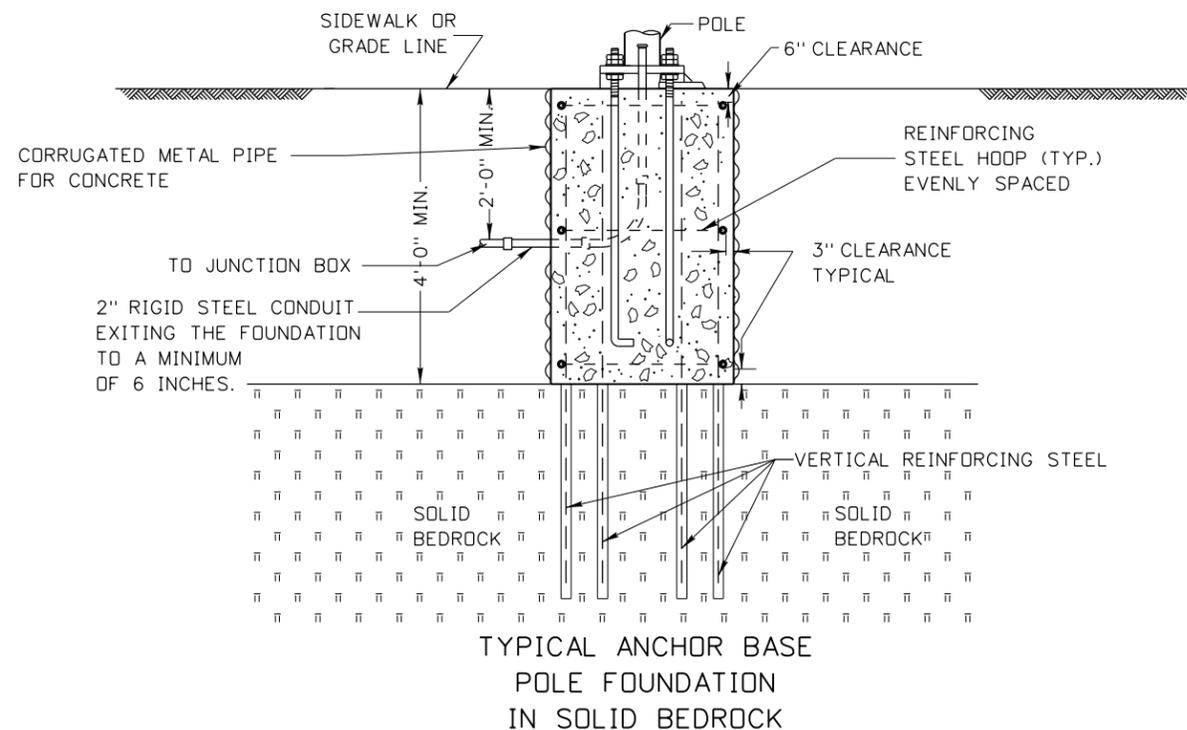




TYPICAL ANCHOR BASE
POLE FOUNDATION
IN EXCAVATION

EXCAVATION NOTES:

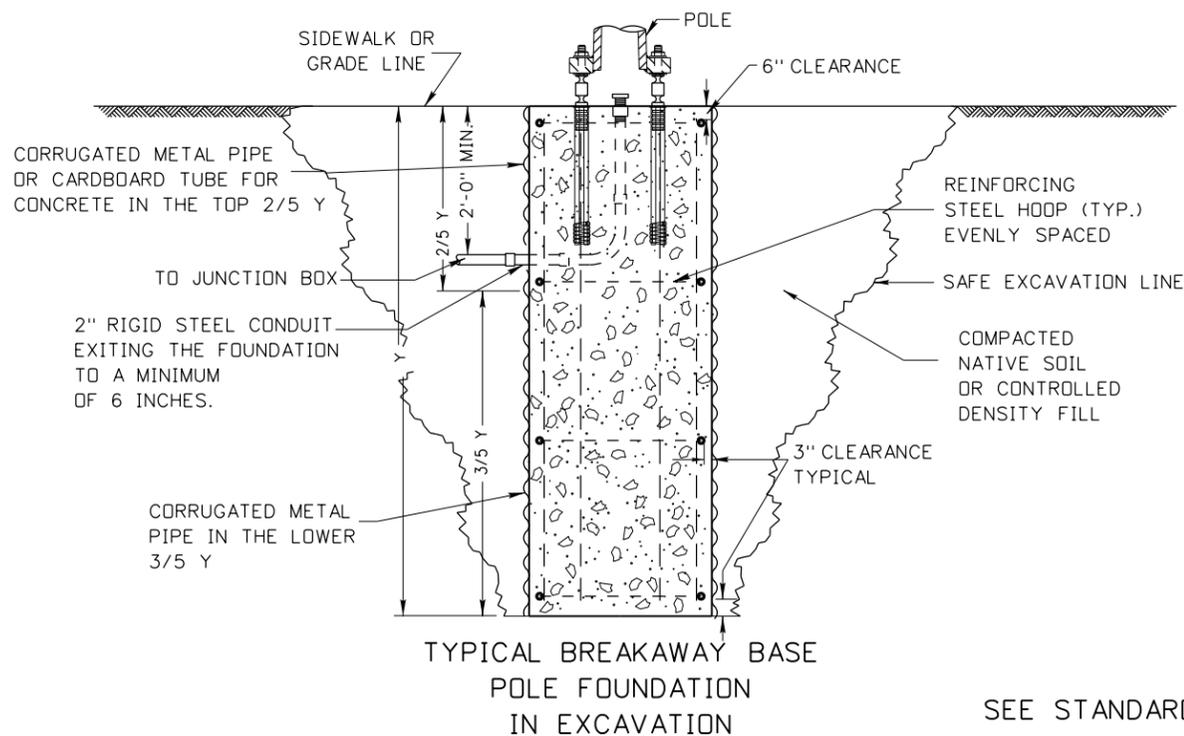
1. IF CORRUGATED METAL PIPE IS USED UP TO SIDEWALK OR GRADE LINE, CUT OUT HOLE FOR THE CONDUITS WILL BE EQUAL TO THE DIAMETER OF CONDUIT OR CONDUIT PLUS ONE INCH.
2. WHEN NATIVE SOIL IS USED FOR BACKFILL, IT SHALL BE COMPACTED IN ACCORDANCE WITH SUBSECTION 210.03 OF THE IDAHO STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND SUPPLEMENTAL SPECIFICATIONS.
3. IF CONTROL DENSITY FILL IS USED FOR BACK FILL, IT SHALL HAVE A COMPRESSIVE STRENGTH OF 100 PSI TO 300 PSI.
4. DRAWING NOT TO SCALE.



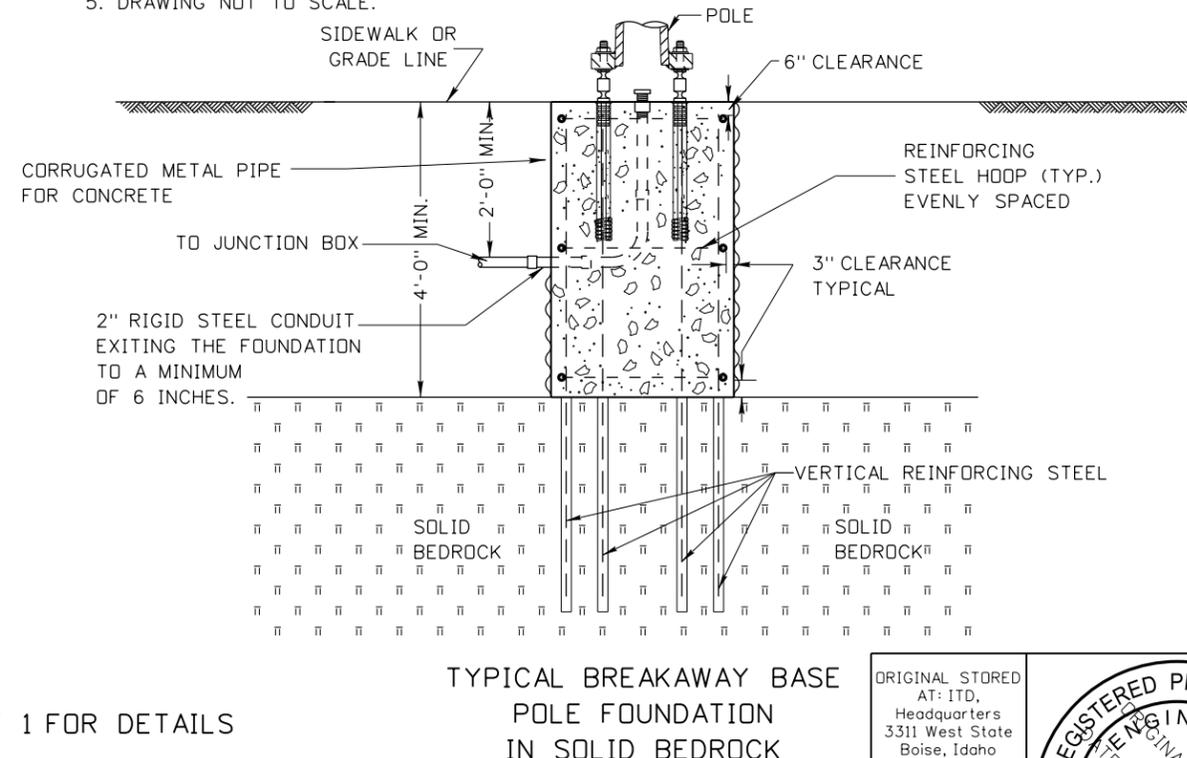
TYPICAL ANCHOR BASE
POLE FOUNDATION
IN SOLID BEDROCK

SOLID BEDROCK NOTES:

1. IF DEPTH TO BEDROCK IS LESS THAN 4', NOTIFY THE ENGINEER AND REDESIGN OF THE FOUNDATION MAY BE REQUIRED
2. THREE REINFORCING STEEL HOOPS TO BE EVENLY SPACED ARE REQUIRED.
3. SOCKET ALL VERTICAL REINFORCING STEEL FULL LENGTH AS SHOWN IN POLE FOUNDATION SCHEDULE ON SHEET 1 IN BEDROCK. DIAMETERS OF DRILLED HOLES FOR VERTICAL REINFORCING STEEL SHALL BE AT LEAST 2 INCHES. FILL DRILLED HOLES WITH GROUT, 705.02, TYPE B, CLASS 1.
4. EXCAVATION NOTES APPLY TO THIS APPLICATION.
5. DRAWING NOT TO SCALE.



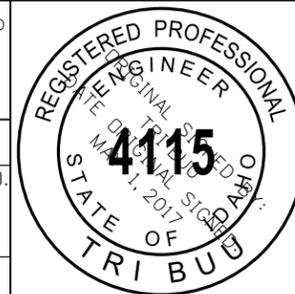
TYPICAL BREAKAWAY BASE
POLE FOUNDATION
IN EXCAVATION



TYPICAL BREAKAWAY BASE
POLE FOUNDATION
IN SOLID BEDROCK

SEE STANDARD DRAWING 619-1 SHEET 1 FOR DETAILS

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



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NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

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CADD FILE NAME:
619-1_0517.dgn

DRAWING DATE:
MAY, 2017

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

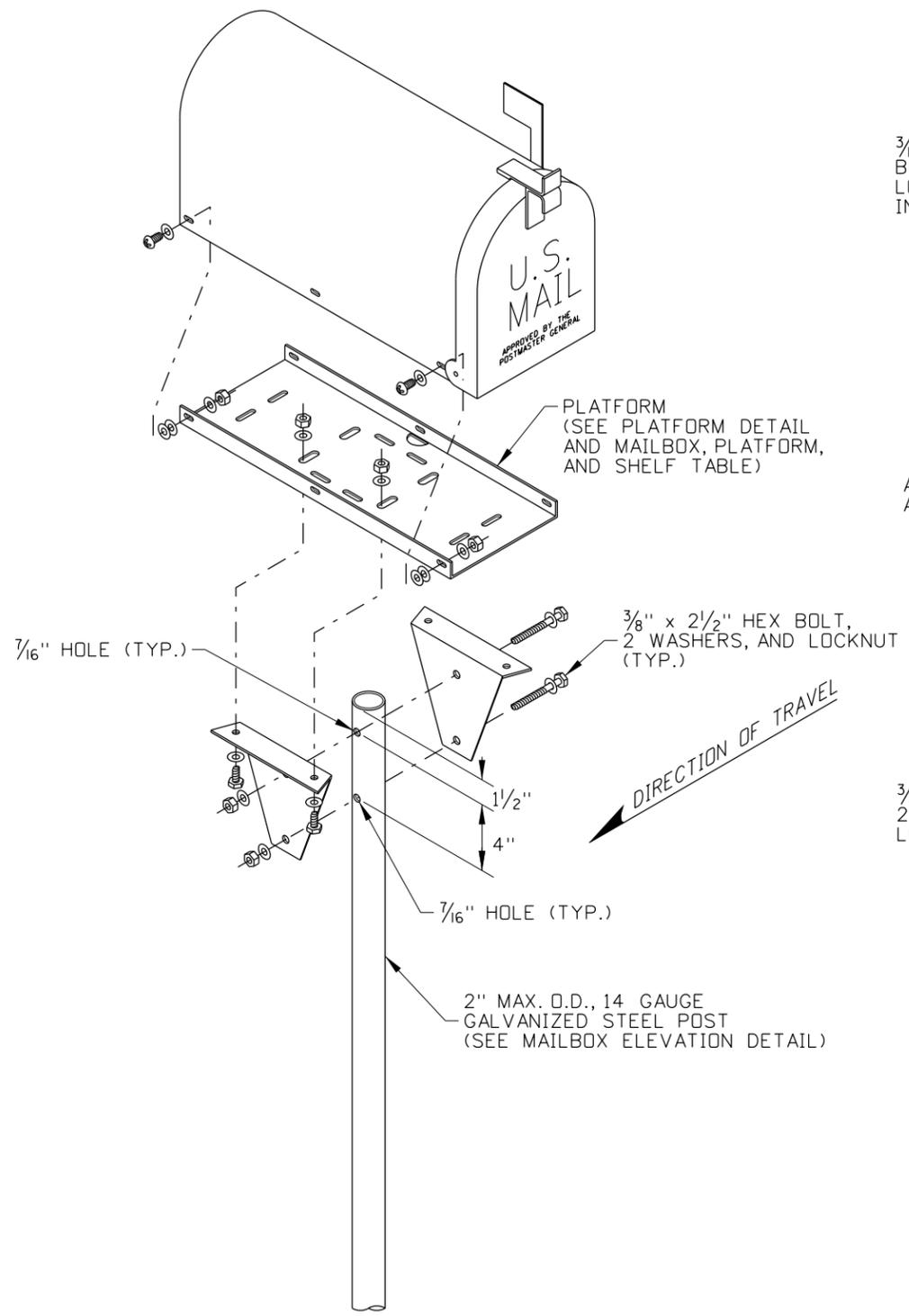
STANDARD DRAWING

**LIGHT POLE
FOUNDATION DETAILS**

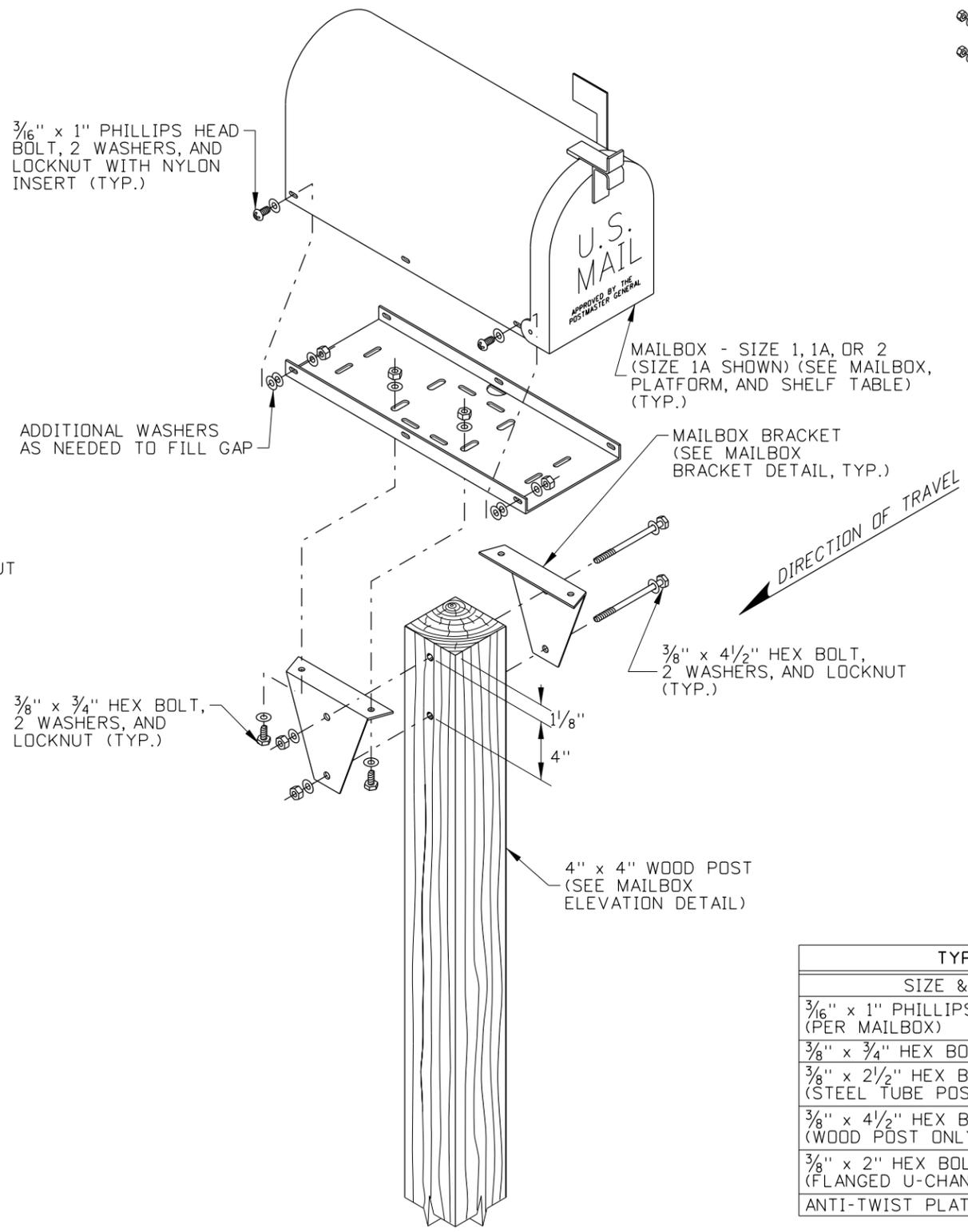
English

STANDARD DRAWING NO.
619-1

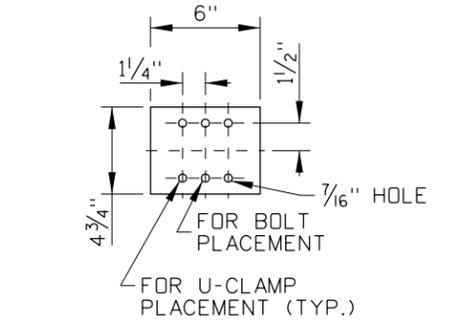
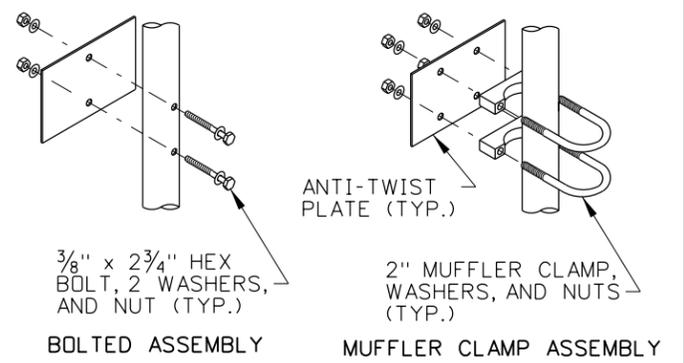
SHEET 2 OF 2



TYPE A ASSEMBLY
STEEL TUBE POST



TYPE A ASSEMBLY
WOOD POST



ANTI-TWIST PLATE DETAIL

TYPE A ASSEMBLY FASTENERS TABLE			
SIZE & TYPE	QUANTITY	WASHERS	LOCKNUTS
3/16" x 1" PHILLIPS HEAD BOLTS (PER MAILBOX)	4 MIN.	8 MIN.	4 MIN.
3/8" x 3/4" HEX BOLT (BRACKET)	4	8	4
3/8" x 2 1/2" HEX BOLT (STEEL TUBE POST ONLY)	2	4	2
3/8" x 4 1/2" HEX BOLT (WOOD POST ONLY)	2	4	2
3/8" x 2" HEX BOLT (FLANGED U-CHANNEL POST ONLY)	2	4	2
ANTI-TWIST PLATE ASSEMBLY	SEE ANTI-TWIST PLATE DETAIL		

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

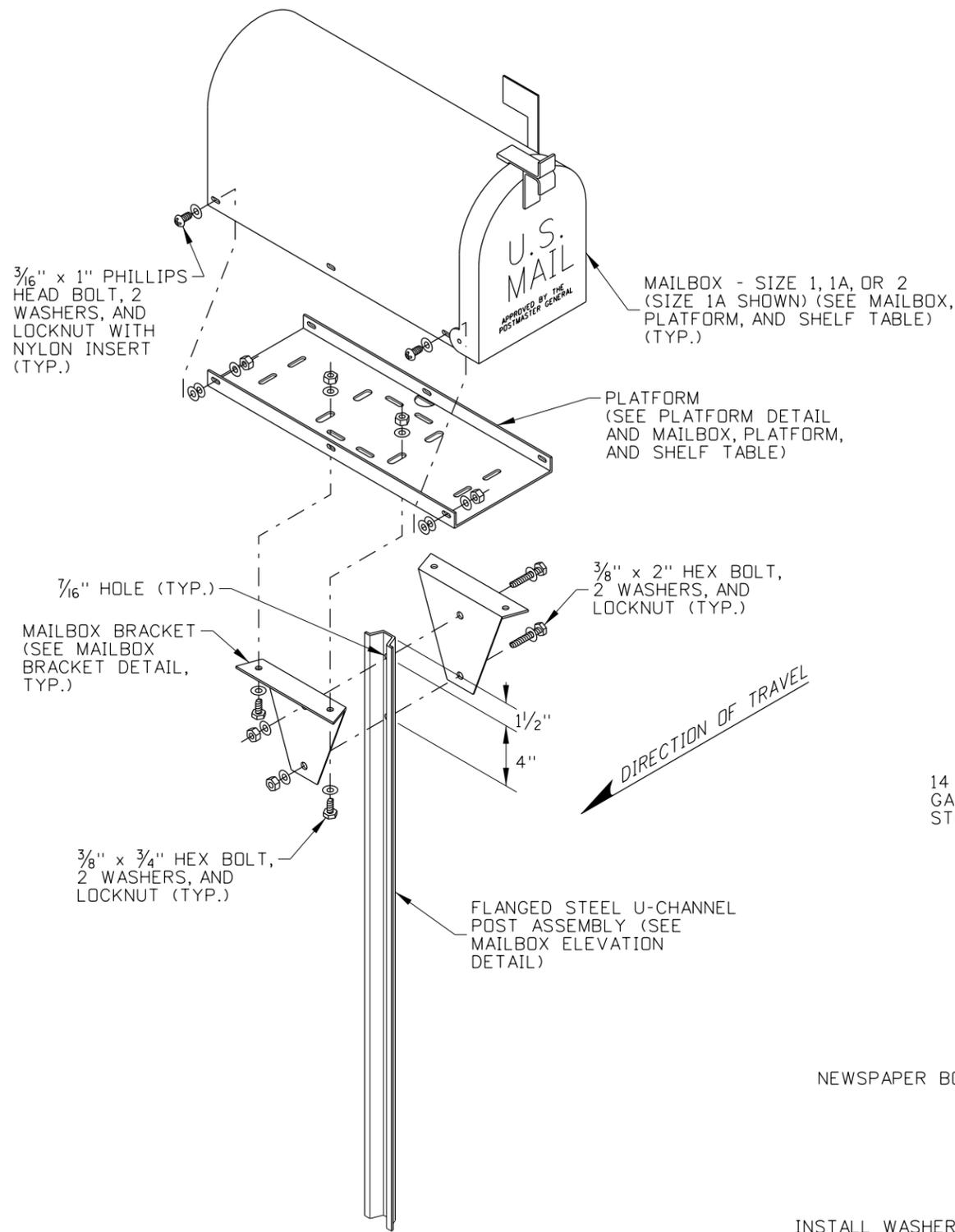
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

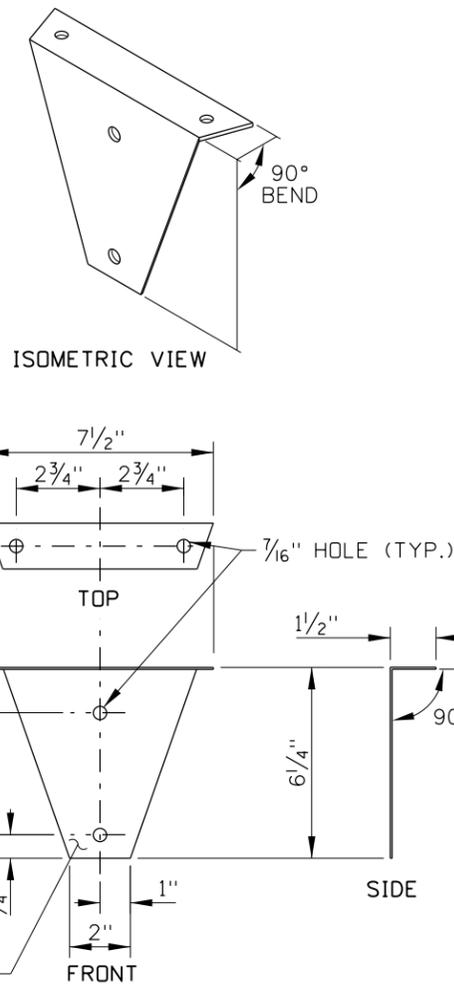
STANDARD DRAWING NO. **634-1**

SHEET 1 OF 5

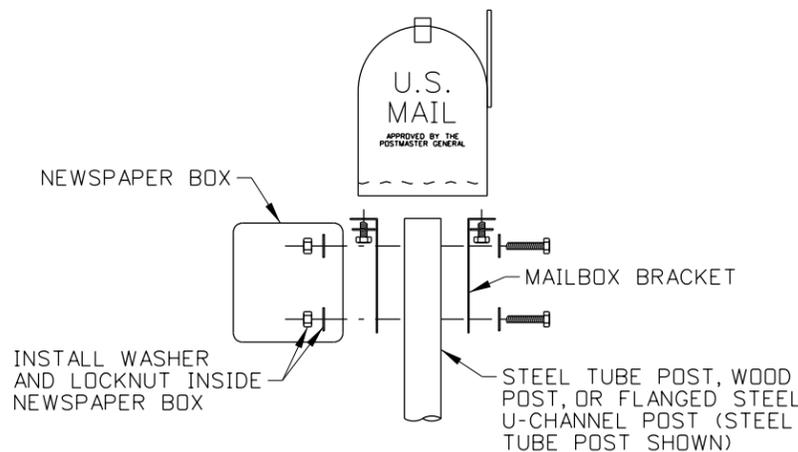




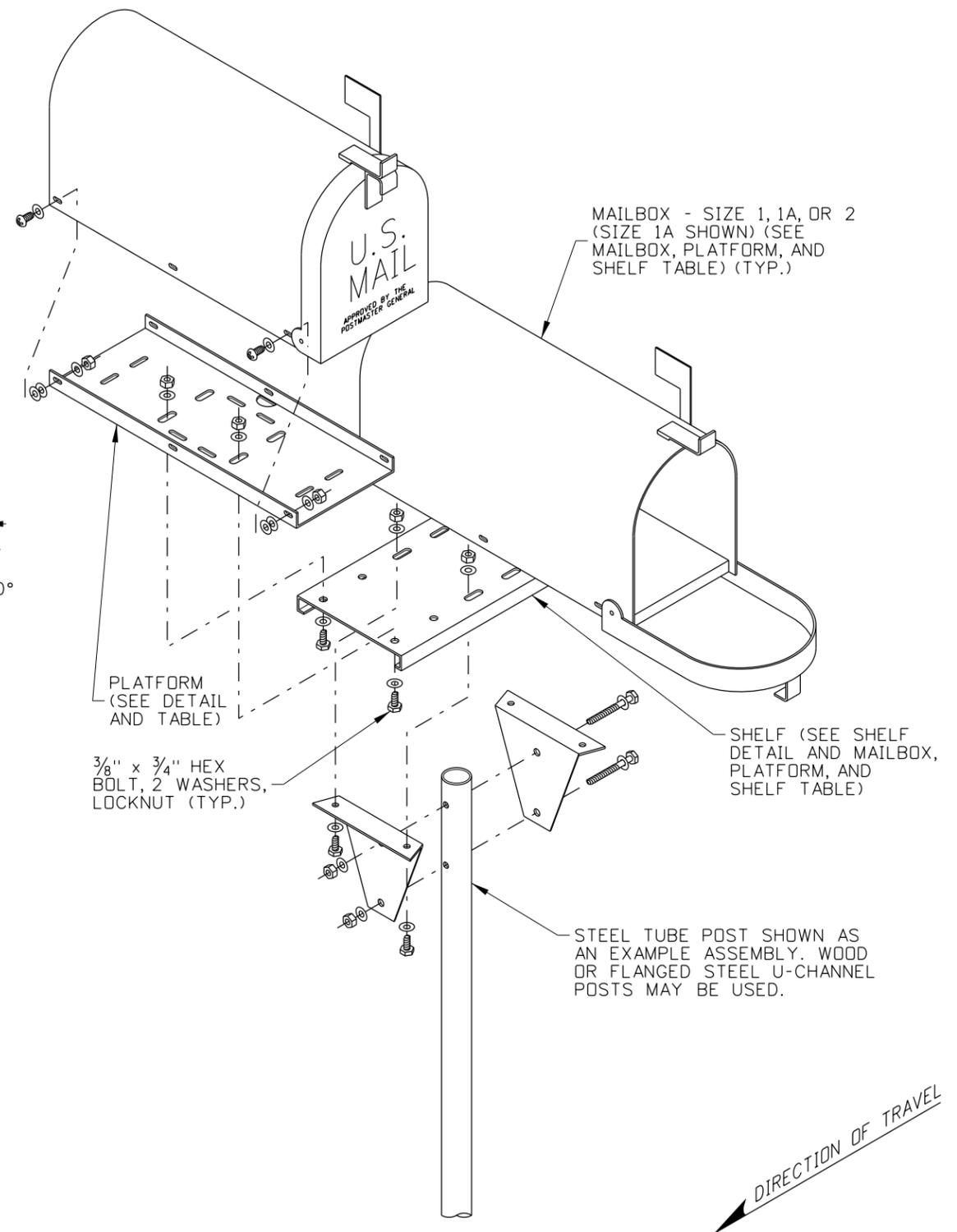
TYPE A ASSEMBLY
FLANGED STEEL U-CHANNEL POST
(2 LB/FT)



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

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HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

MAILBOXES

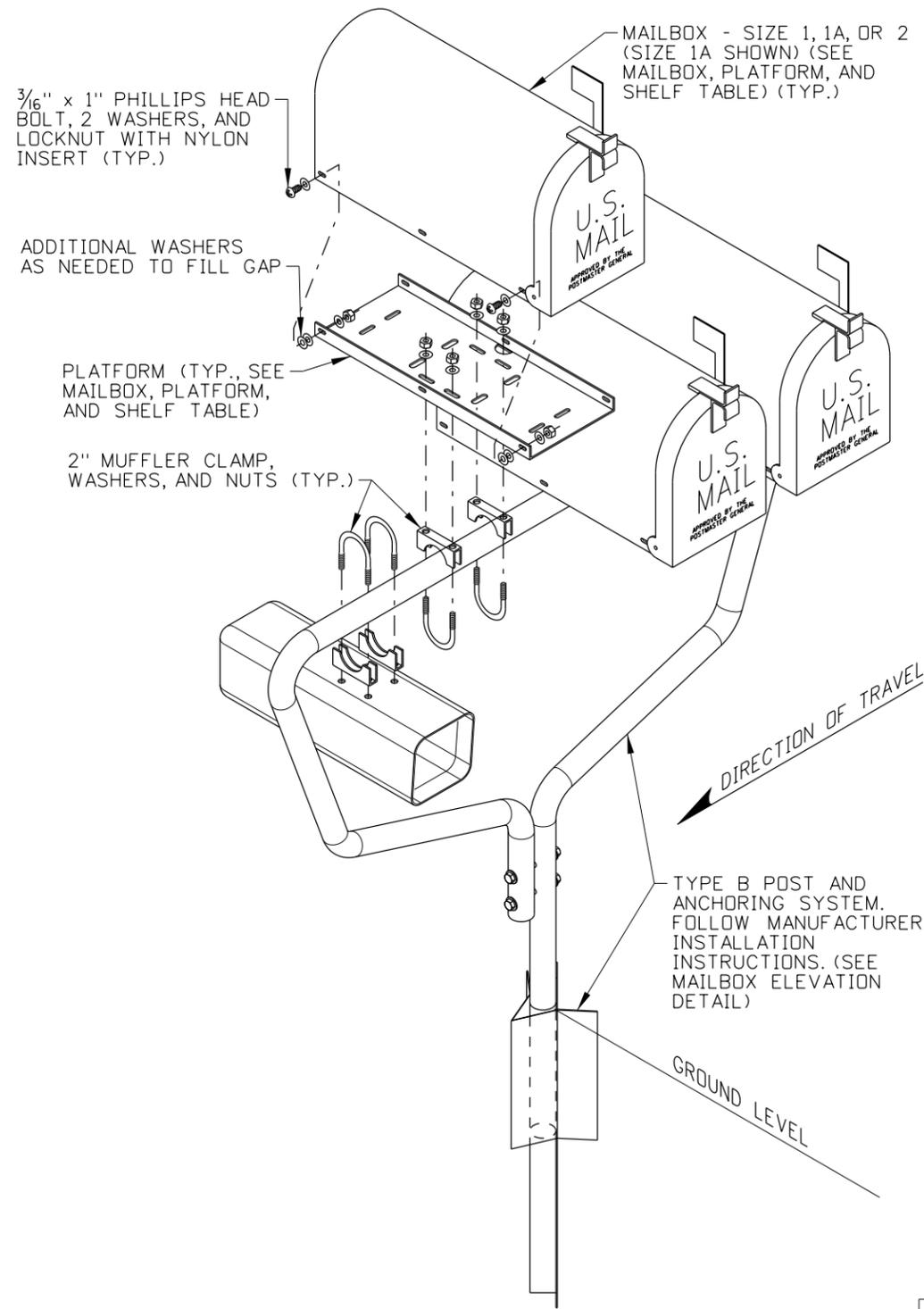
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

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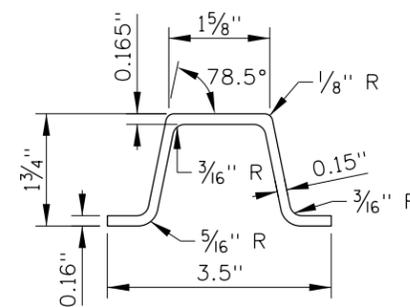
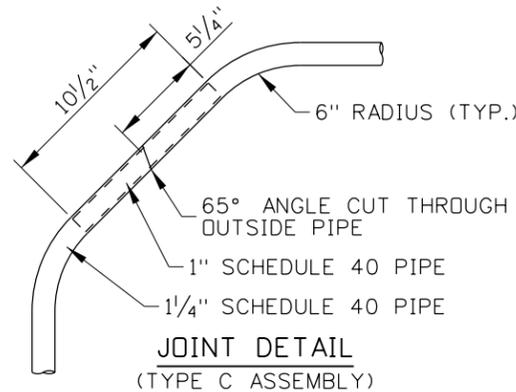
SHEET 2 OF 5

PROFESSIONAL ENGINEER
LICENSED
13683
RYAN D. LANCASTER
STATE OF IDAHO

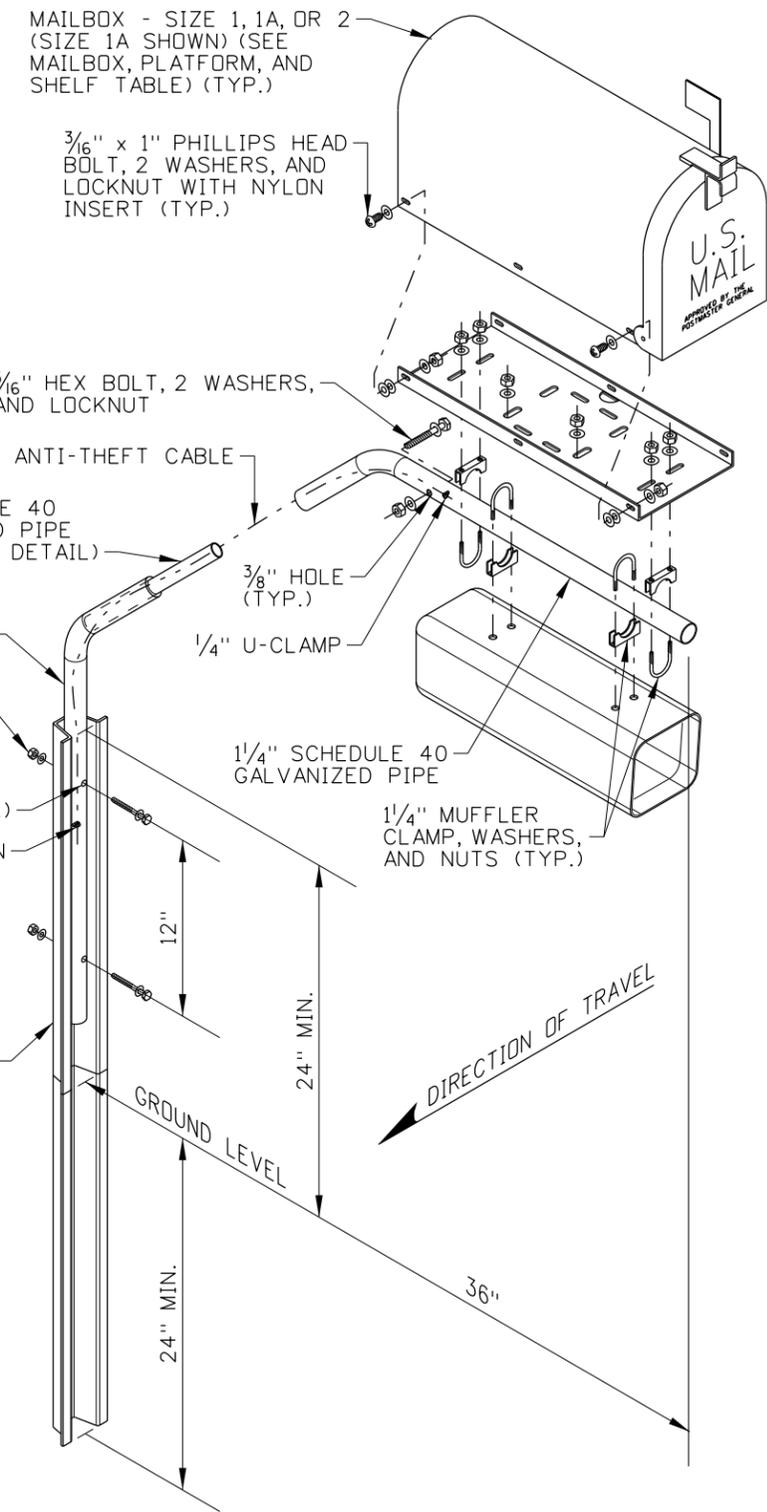


TYPE B ASSEMBLY

TYPE B ASSEMBLY FASTENERS TABLE			
SIZE & TYPE	QUANTITY	WASHERS	LOCKNUTS/NUTS
3/16" x 1" PHILLIPS HEAD BOLT (PER MAILBOX)	4 MIN.	8 MIN.	4 MIN.
2" MUFFLER CLAMP (PER MAILBOX)	2	4	4
2" MUFFLER CLAMP (PER NEWSPAPER BOX)	2	4	2
3/8" x 4 3/4" HEX BOLT (WOOD POST ONLY)	2	4	2
TYPE 2 POST AND ANCHORING SYSTEM	SEE MANUFACTURERS INSTALLATION INSTRUCTIONS		



TYPE C ASSEMBLY FASTENERS TABLE			
SIZE & TYPE	QUANTITY	WASHERS	LOCKNUTS/NUTS
3/16" x 1" PHILLIPS HEAD BOLT	4 MIN.	8 MIN.	4 MIN.
1 1/4" MUFFLER CLAMP	2	4	4
5/16" x 2" HEX BOLT	3	6	3
1/4" U-CLAMP	2	0	4



TYPE C ASSEMBLY

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
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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DRAWING DATE: SEPTEMBER, 1993

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

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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

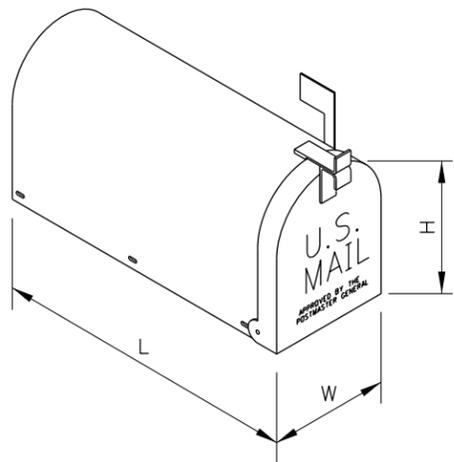
PROFESSIONAL ENGINEER

RYAN D. LANCASTER

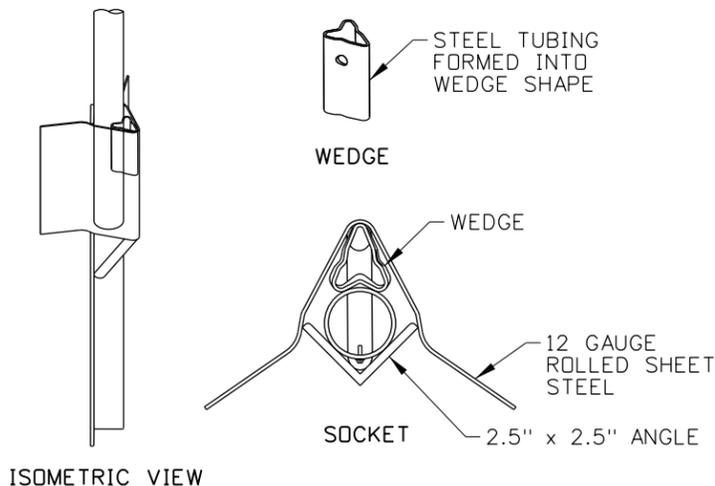
STATE OF IDAHO

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MAILBOX, PLATFORM, AND SHELF TABLE						
MAILBOX SIZE	MAILBOX DIMENSIONS			PLATFORM DIMENSION		SHELF DIM.
	L	W	H	L _p	W _p	L _s
1	19"	6 1/2"	8 1/2"	17"	6"	15"
1-A	21"	8"	10 1/2"	19"	7 1/2"	16 1/2"
2	23 1/2"	11 1/2"	13 1/2"	21"	11"	20"

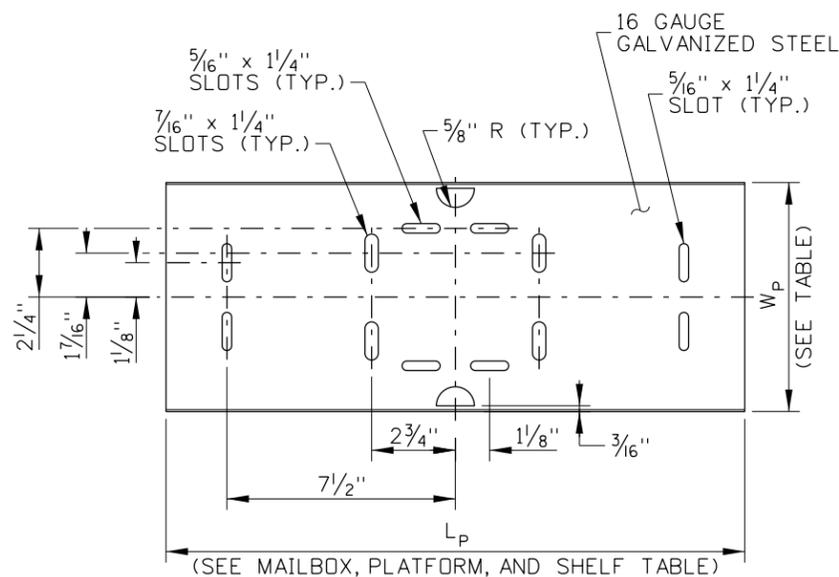


MAILBOX DIMENSIONS

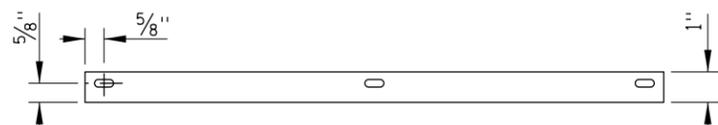


SOCKET AND WEDGE MAILBOX SUPPORT SYSTEM DETAIL

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

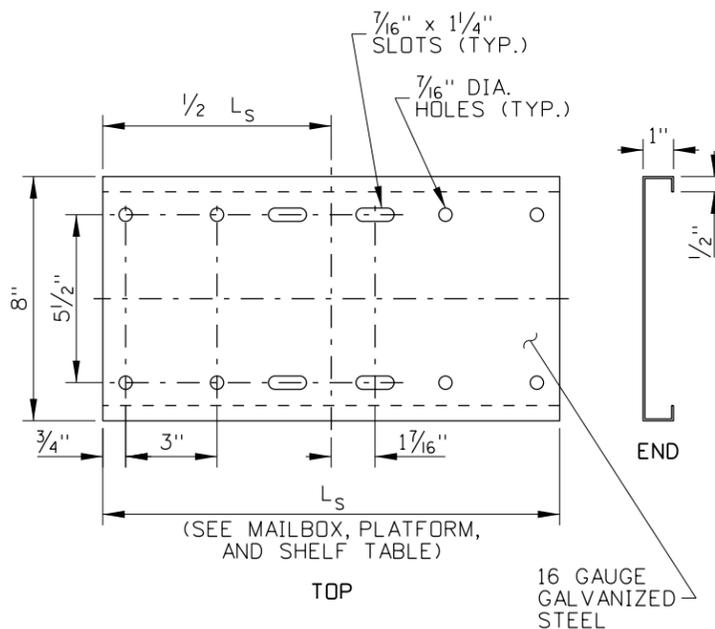


TOP



SIDE

PLATFORM DETAIL
(ONE-PIECE)



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. COMMERCIALY 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 COMMERCIALY 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						

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

IDAHO TRANSPORTATION DEPARTMENT



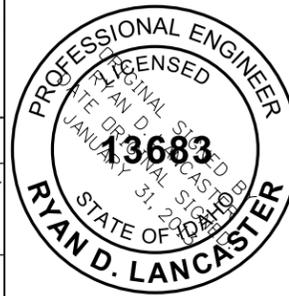
BOISE IDAHO

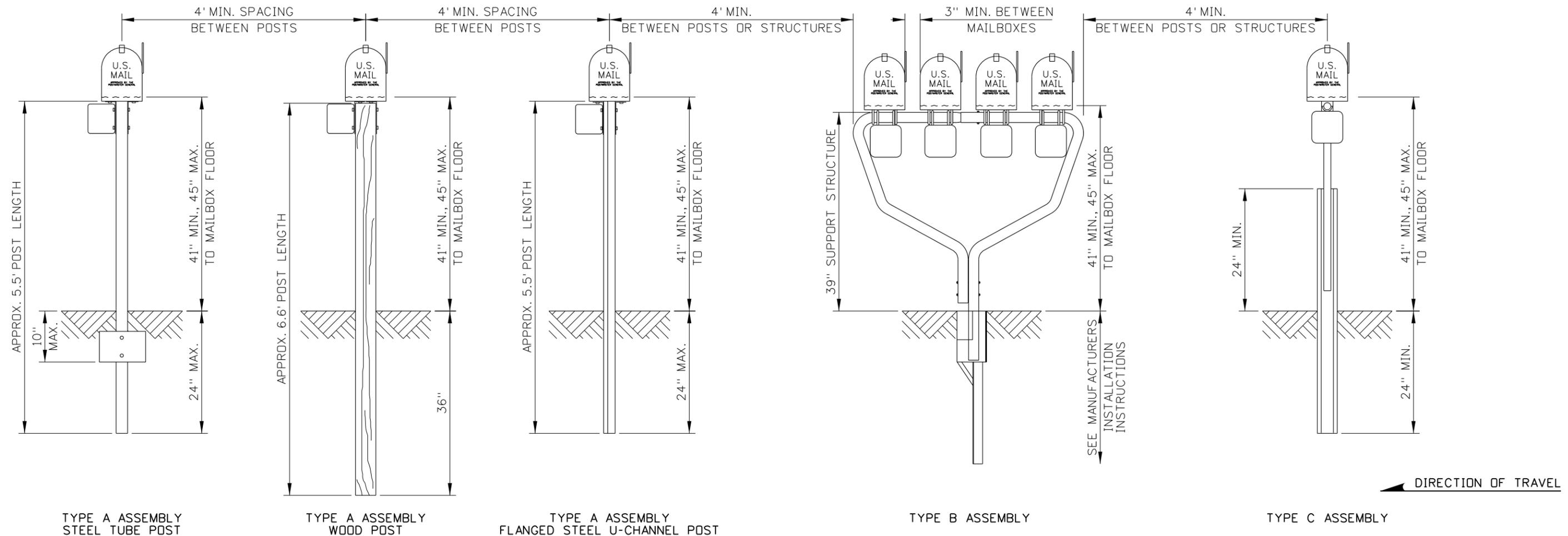
ORIGINAL SIGNED BY: LOREN THOMAS
HIGHWAYS PROGRAM OVERSIGHT ENGINEER
ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING
MAILBOXES

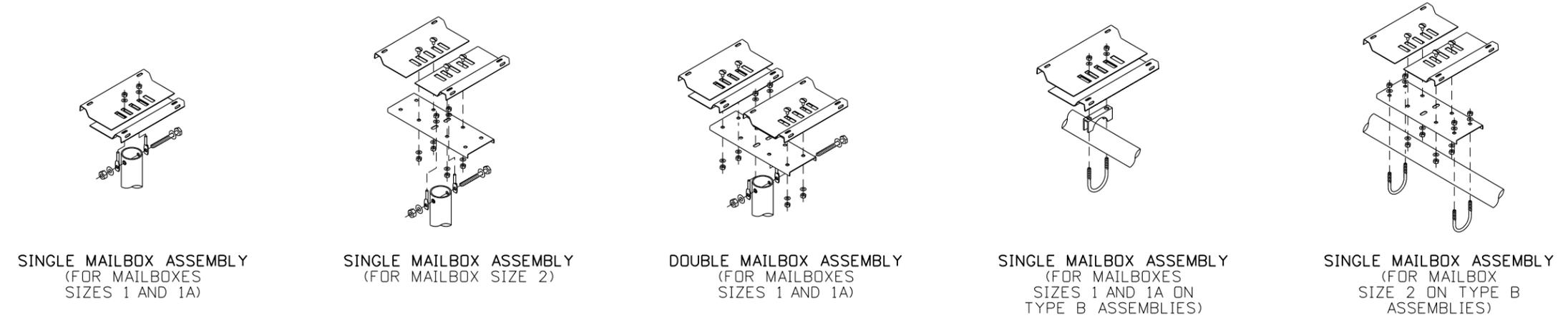
English
STANDARD DRAWING NO.
634-1
SHEET 4 OF 5

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





MAILBOX ELEVATION DETAIL



ADJUSTABLE PLATFORM ALTERNATIVES

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						
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MAILBOXES

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English

STANDARD DRAWING NO. 634-1

SHEET 5 OF 5

PROFESSIONAL ENGINEER

RYAN D. LANCASTER

STATE OF IDAHO

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