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Thirty Percent Design Plan

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING

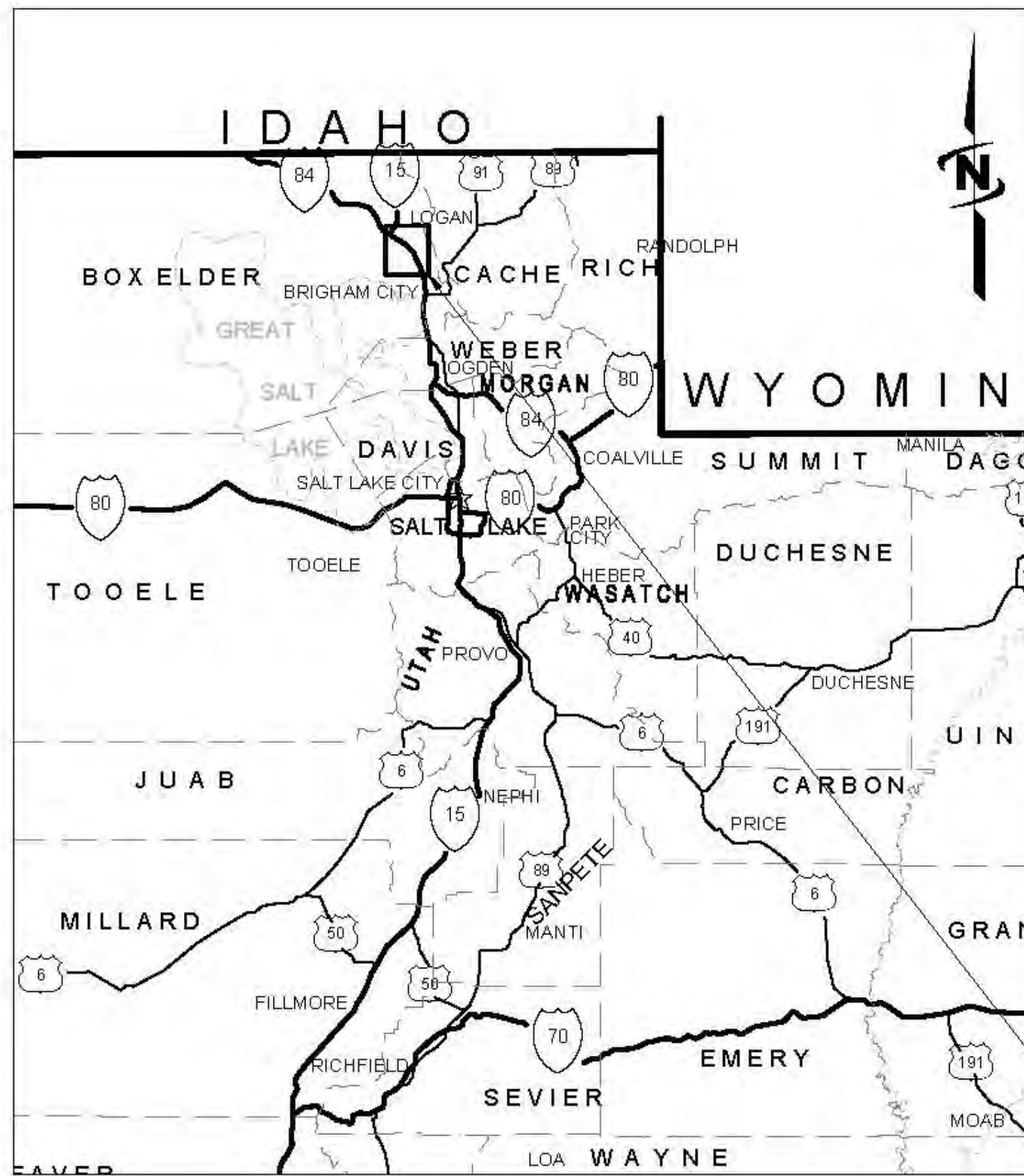
December 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION

30% PLAN SET

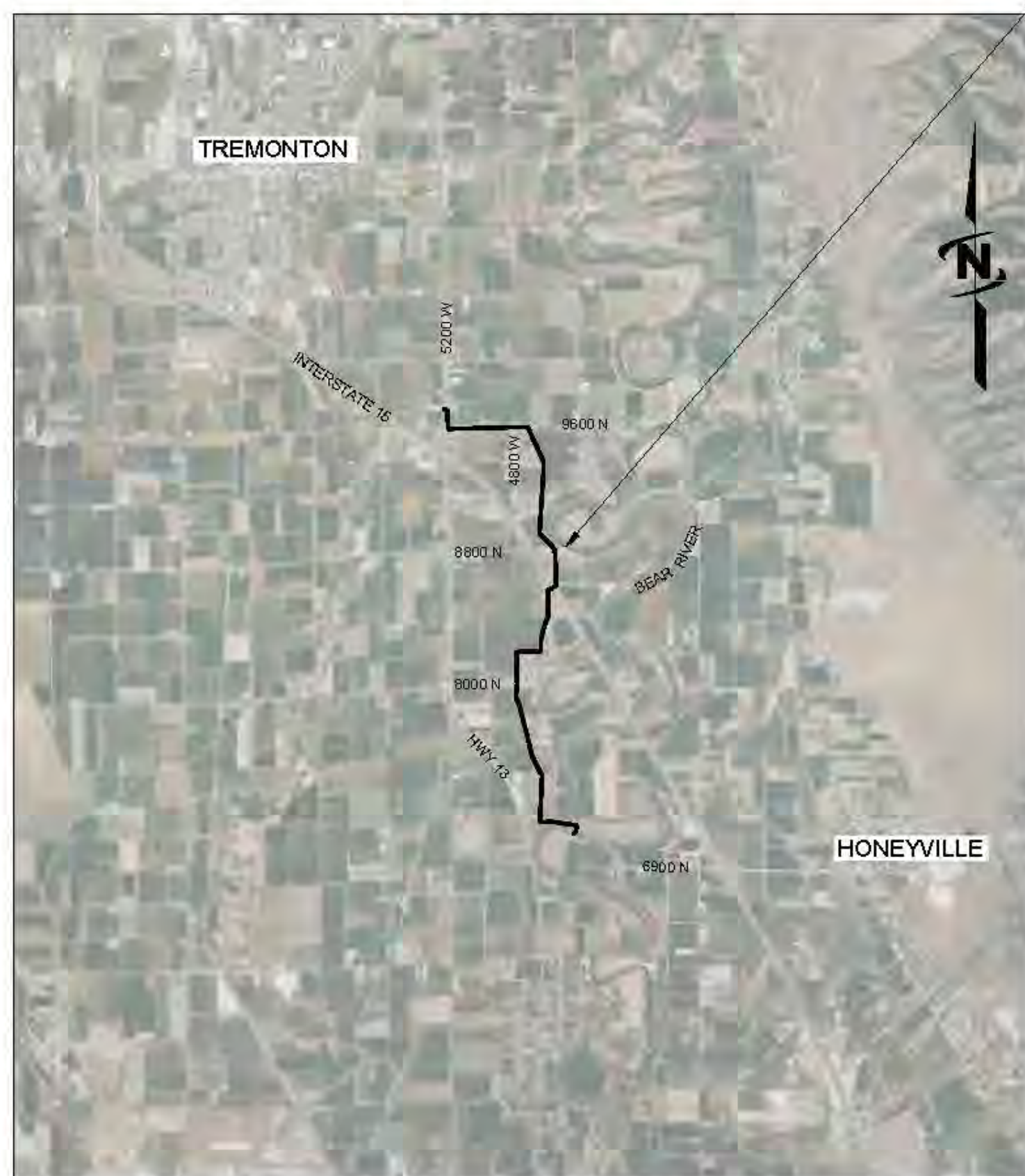
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AREA MAP

PROJECT LOCATION



VICINITY MAP

PROJECT NO. 57-23-010



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LAST UPDATED: 12/5/2024

SHEET NUMBER:

G-001

P:\01 Date: 12/5/2024 \JUB\CENTRAL\CLIENTS\UT\BEAR RIVER WATER CONSERVANCY DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED DESIGN\HIGHLAND DITCH\G-001.DWG



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LOWER BEAR RIVER EIS
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FILE: 57-23-010_HIGHLANDDITCH-G-003
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/25/2024
SHEET NUMBER:
G-002

Plot Date: 12/20/24 10:24 AM Plotted By: Parker, Achenbach Date Created: 7/29/24 SUBCENTRALCLIENT/UT/BEARWATERCONSERVANCY/DISTRICT/PROJECT/57-23-010_LOWERBEARWATERWATERSHEDDESIGN/HIGHLANDDITCHCAD/SHEET/23-010_HIGHLANDDITCH-G-003.DWG

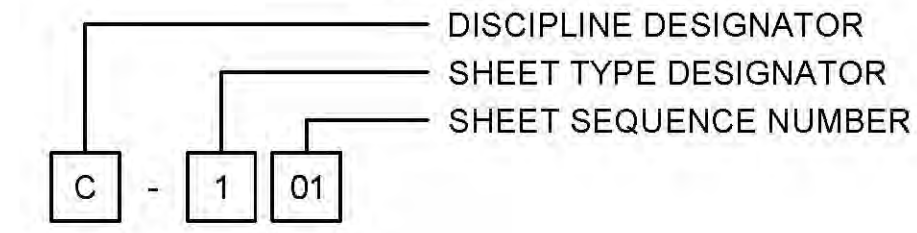
LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER		
UNDERGROUND POWER		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
FIBER OPTIC		
CABLE TELEVISION		
UNDERGROUND POWER, TEL, CABLE TV		
UNDERGROUND POWER, TEL, CABLE TV, GAS		
STORM DRAIN		
STORM DRAIN (GENERAL)		
STORM DRAIN		
ROOF DRAIN		
LAND DRAIN		
SANITARY SEWER		
SANITARY SEWER (GENERAL)		
SANITARY SEWER		
SANITARY SEWER SERVICE		
SEWER FORCE MAIN		
WATER		
WATER (GENERAL)		
WATER (SPECIFIED SIZE)		
WATER SERVICE		
IRRIGATION		
IRRIGATION		
GRAVITY IRRIGATION		
PRESSURE IRRIGATION		
POTABLE WATER		
NON-POTABLE WATER		
GAS		
NATURAL GAS		
NATURAL GAS SERVICE		
HIGH PRESSURE GAS		
LIQUID GAS		
UTILITY		
CHLORINE LINE		
INDUSTRIAL WASTE WATER		
DRAIN LINE		

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE		
PROPERTY LINE		
RIGHT OF WAY		
TEMPORARY EASEMENT		
PERMANENT EASEMENT		
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE		
MAJOR CONTOUR		
MINOR CONTOUR		
GRADE BREAK		
TOP OF BANK		
TOE OF SLOPE		
CUT LIMITS		
CUT LIMITS		
FILL LIMITS		
FILL LIMITS		
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		
WETLAND BOG		
WETLAND MARSH		
WETLAND SWAMP		
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		
ROAD GRAVEL		
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS		

SHEET NUMBERING

SAMPLE: C-101

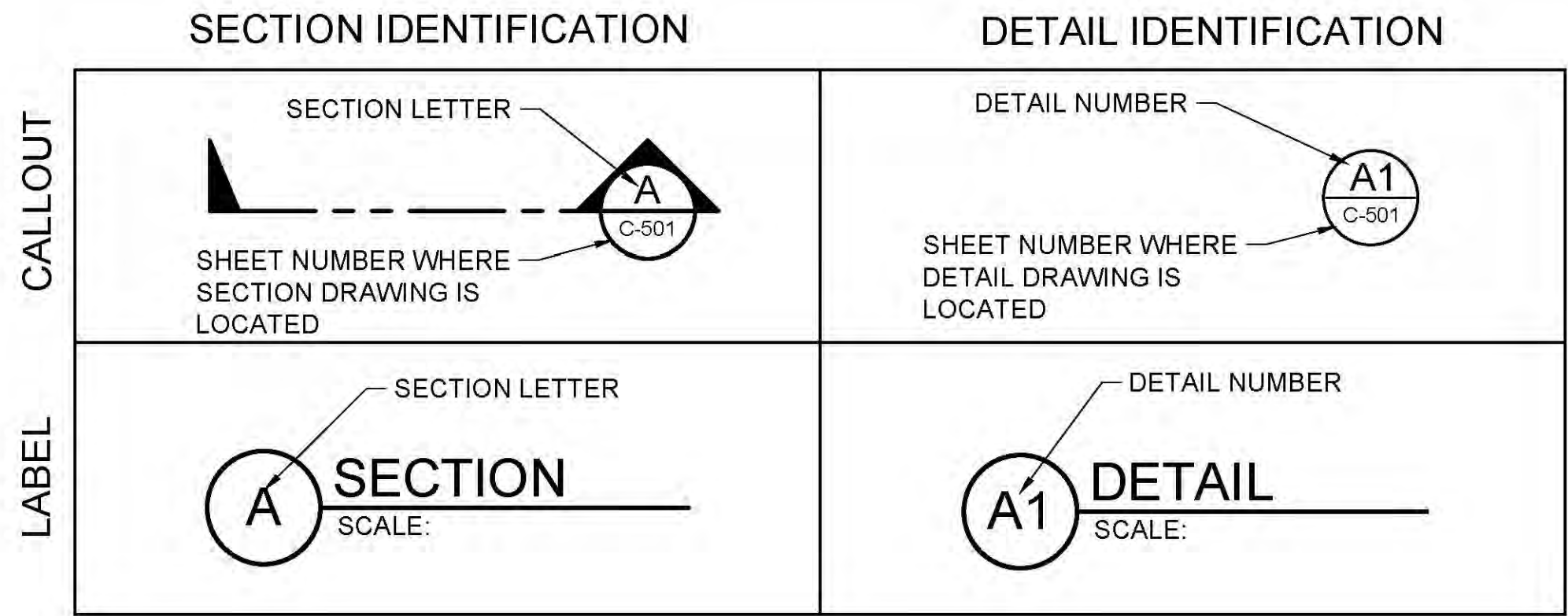


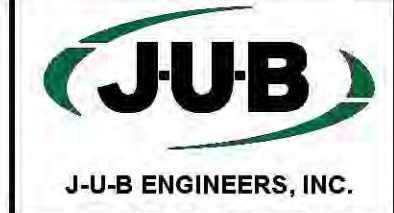
DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.





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LOWER BEAR RIVER EIS
HIGHLAND DITCH PIPING
SYMBOL, LEGEND & ABBREVIATIONS

FILE: 57-23-010_HIGHLANDDITCH-G-004
JUB PROJ # 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/23/2024
SHEET NUMBER: G-003

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes ROADWAY (CONT.), TYPE 2 BARRICADE, US ROUTE, TRAFFIC ATTENUATOR, JERSEY BARRIER.

Table with columns: ASSY, ASSEMBLY. Includes ABBREVIATIONS list: ASSY, ANGLE, AT (MEASUREMENTS), BUILDING, BENCH MARK, BITUMINOUS SURFACE COURSE, BACK OF SIDEWALK, BOTH WAYS, CHANNEL (STRUCTURAL), CENTER LINE, CORRUGATED METAL PIPE, CLEANOUT, CONCRETE, CONTINUOUS, COUPLING, CUBIC FEET, CUBIC YARD, DEGREE, DETAIL, DIAMETER, DUCTILE IRON PIPE, DISTRIBUTION, DRAWING, EACH, ELBOW, ELEVATION, EACH WAY, EXISTING, FINISH GRADE, FIRE HYDRANT, FLANGE, FEET, GATE VALVE, HORIZONTAL, INSIDE DIAMETER, INCH, POUND, LINEAL FEET, LINEAL, MAXIMUM, MINIMUM, NUMBER, POLYETHYLENE, PLATE, PROPERTY LINE, POLYVINYL-CHLORIDE, RADIUS, RADIUS POINT, REMOVE & REPLACE, REMOVE, REQUIRED, REVISION, RIGHT-OF-WAY.

Table with columns: ASSY, ASSEMBLY. Includes ABBREVIATIONS list: ASSY, SLOPE, SPECIFICATION, STATION, STANDARD, STEEL, STAINLESS STEEL, TOP BACK OF CURB, TYPICAL, TOP FACE OF CONCRETE, WITH, WITHOUT, WHERE REQUIRED.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes FITTINGS: BEND (11.25°, 22.5°, 45°, 90°), CAP, COUPLING, CROSS, REDUCER (CONCENTRIC, ECCENTRIC), TEE, TRUE UNION, WYE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes VALVES: AIR VALVE, BLOW OFF, COMBO VALVE, BALL VALVE (N.C., N.O.), BUTTERFLY VALVE, CHECK VALVE (FLANGE, MJ), GATE VALVE, PLUG VALVE (N.C., N.O.).

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes ROAD MARKINGS: TURN ARROW, ARROW STRAIGHT, ARROW STRAIGHT/TURN, BICYCLE ROUTE, CAR, HANDICAP SYMBOL.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes ROADWAY: INTERSTATE ROUTE, MAST ARM, PEDESTRIAN SIGNAL, STATE ROUTE, TRAFFIC LIGHT.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes UTILITIES: MANHOLE (GENERIC), PRESSURE CLEAN OUT AT GRADE, THRUST BLOCK, VAULT.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes COMMUNICATION: TELE. MANHOLE, TELE. PEDESTAL, TELE. POLE, TV PEDESTAL, GUY WIRE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes DOMESTIC WATER: FIRE HYDRANT, SPIGOT, YARD HYDRANT, WATER MANHOLE, WATER METER, WATER VALVE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes ELECTRIC: ELEC. MANHOLE, ELEC. METER, ELEC. TRANS., JUNCTION BOX, POWER POLE, POWER STUB, STREET LIGHT, TRAFFIC SIGNAL POLE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes IRRIGATION: IRRIGATION VALVE, IRRIGATION VALVE BOX, SPRINKLER.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes NATURAL GAS: GAS METER, GAS VALVE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes SANITARY SEWER: CLEANOUT, SEWER STUB, SS MANHOLE.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes STORM DRAIN: CATCH BASIN, DRY WELL, FLARE END, GREASE TRAP, SD MANHOLE.

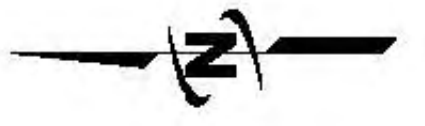
Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes SURVEY: CAP (ALUMINUM, BRASS), CHISELED X, CTRL PT (GENERIC, 1/2" REBAR, 5/8" REBAR, 60D NAIL, HUB & TACK, PK NAIL, TEMP BENCH MARK), NAIL, NAIL AND TAG, NAIL (PK), BOLT, DRILL STEEL, REBAR (1/2", 3/4"), STAINLESS STEEL ROD, IRON PIPE, RAILROAD SPIKE, RW MONUMENT, STONE, SECTION CORNER MON., SECTION QUARTER MON.

Table with columns: SYMBOL DESCRIPTION, EXISTING SYMBOL, PROPOSED SYMBOL. Includes SITE: BOLLARD, BOULDER, DRINKING FOUNTAIN, FLAGPOLE, GATE, MAIL BOX, PARKING METER, POST, SIGN, SPOT ELEVATION, TREE (SHRUB, STUMP, CONIFEROUS, DECIDUOUS), TEST HOLE, WELL, WELL (MONITORING).

File Date: 12/9/2024 10:24 AM Plotted By: Parker, Achenbach
Date Created: 7/29/2024 SUBCENTRAL CLIENT/SUB BEAR RIVER WATER CONSERVANCY/DISTRICT PROJECT 57-23-010 LOWER BEAR RIVER WATERSHED DESIGN/HIGHLAND DITCH CAD SHEET 157-23-010_HIGHLANDDITCH-G-004.DWG



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**LOWER BEAR RIVER EIS
HIGHLAND DITCH PIPING**

SHEET INDEX AND VICINITY MAP

FILE: 57-23-010_HIGHLANDDITCH C-101
JOB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
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LAST UPDATED: 8/8/2024
SHEET NUMBER:
C-101

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Date: 06/12/2024. SUBMITTAL CLIENTS/UT/BEAR RIVER WATER CONSERVATION DISTRICT PROJECT 1352-23-010 - LOWER BEAR RIVER WATER CONSERVATION HIGHLAND DITCH AD SHEET 23-010_HIGHLANDDITCH_C-101.DWG

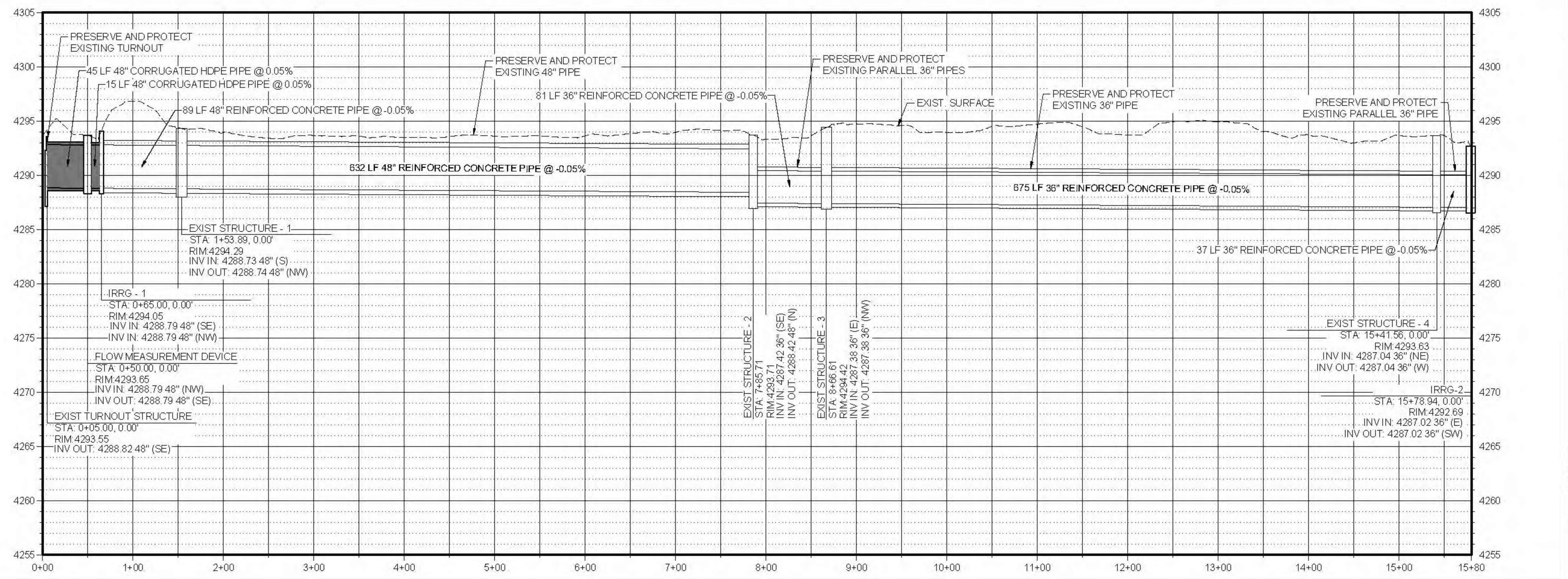
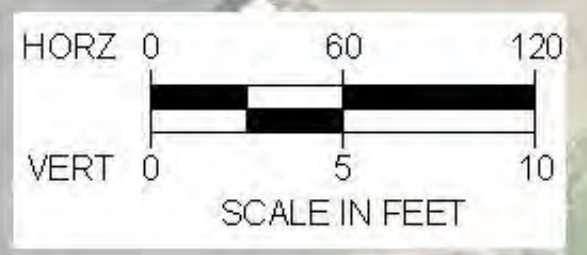


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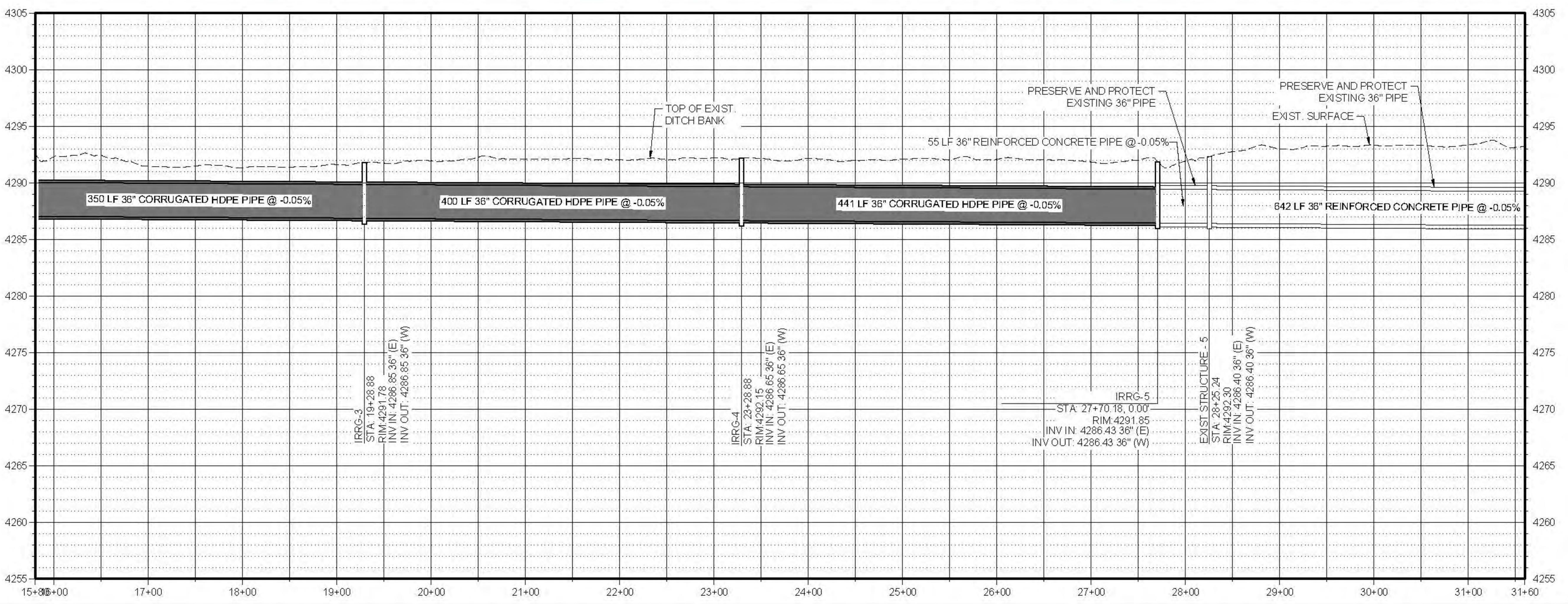
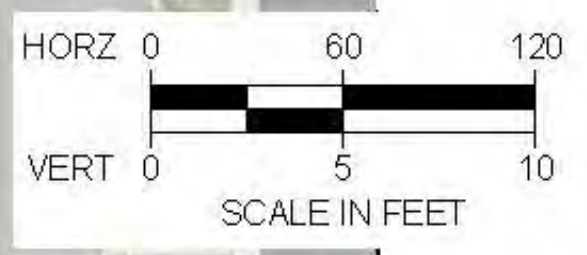
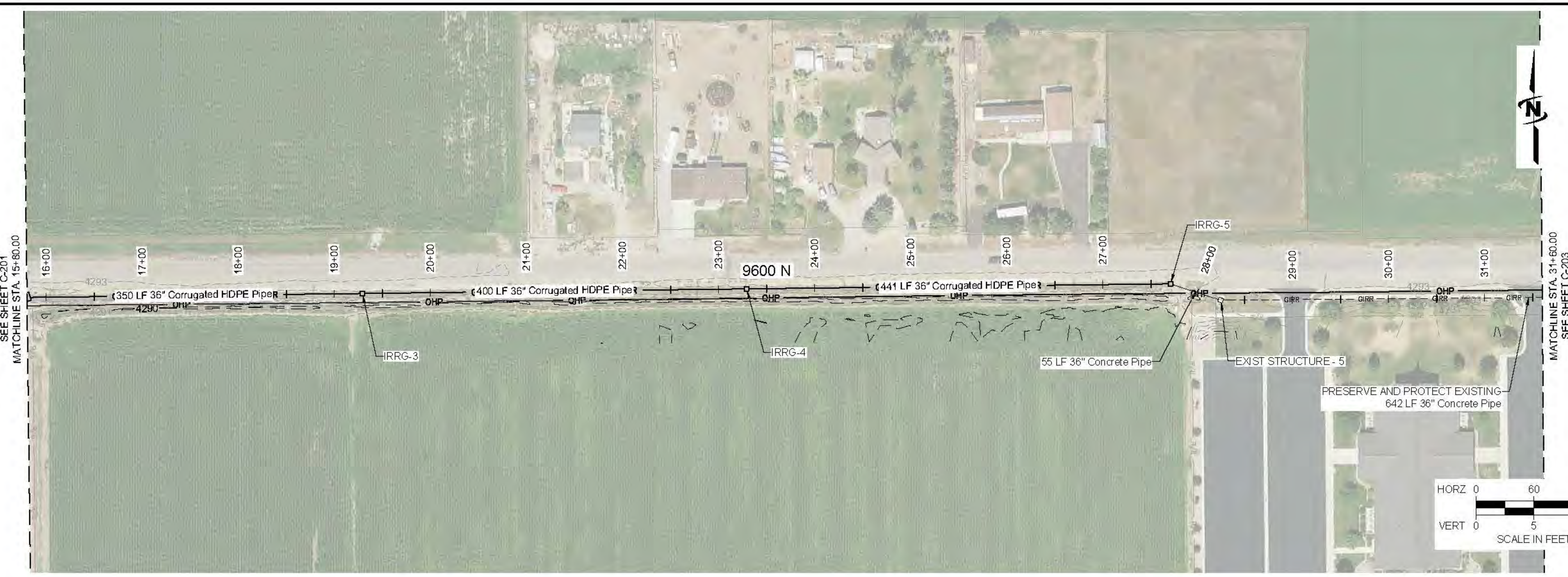
PLAN AND PROFILE

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 DESIGN BY: PJA
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 LAST UPDATED: 12/9/2024
 SHEET NUMBER:
C-201

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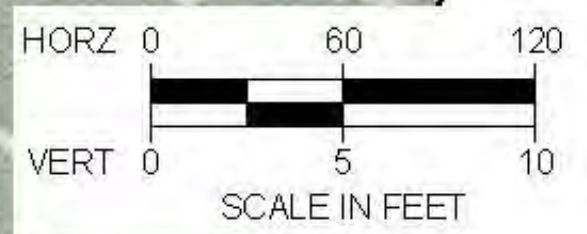
**LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING**

PLAN AND PROFILE

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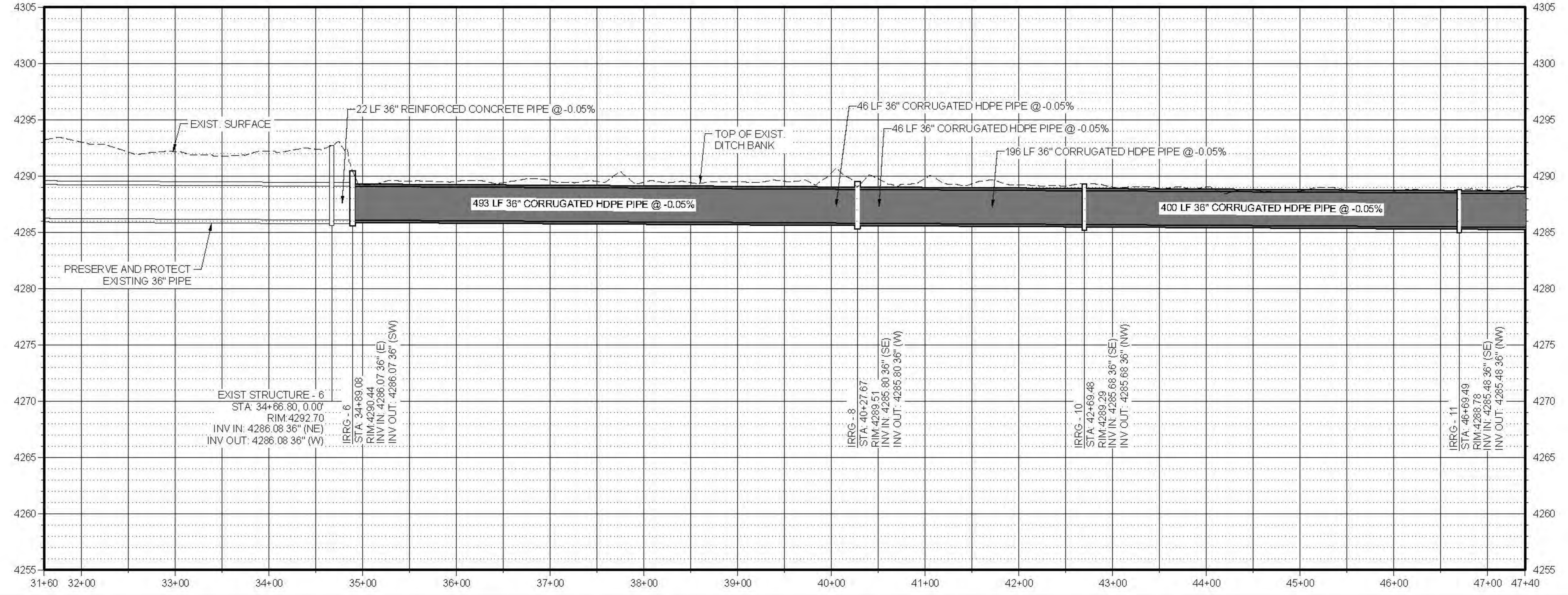


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 Date Created: 12/20/24. SUBCENTRALCIDENTSUTBEARWATERCONSERVANCYSUBJECTPROJECTS/5723-010-LOWERBEARWATERRESERVOIRHIGHLANDDITCH/01SHEET23-010-HIGHLANDDITCH-C-203.DWG



**LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING**
 PLAN AND PROFILE

FILE: 57-23-010_HIGHLANDDITCH_C-203
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 12/20/24
 SHEET NUMBER:
C-203



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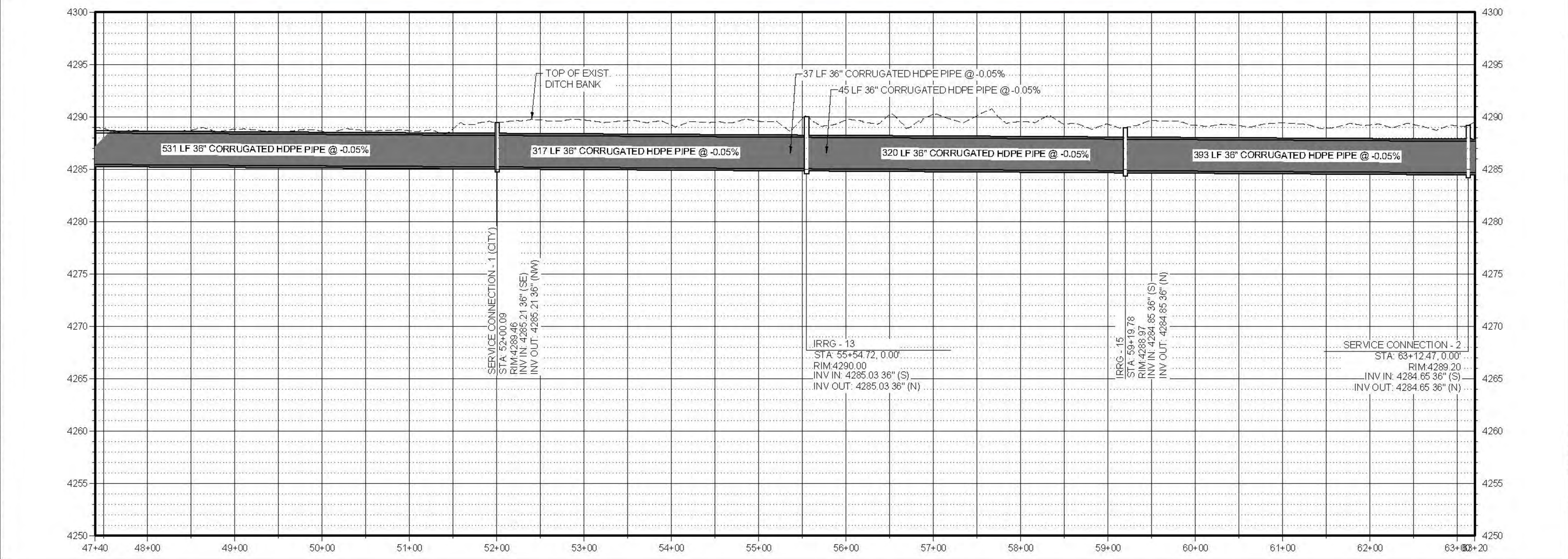
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JUB PROJ: # 57-23-010
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DESIGN BY: PJA
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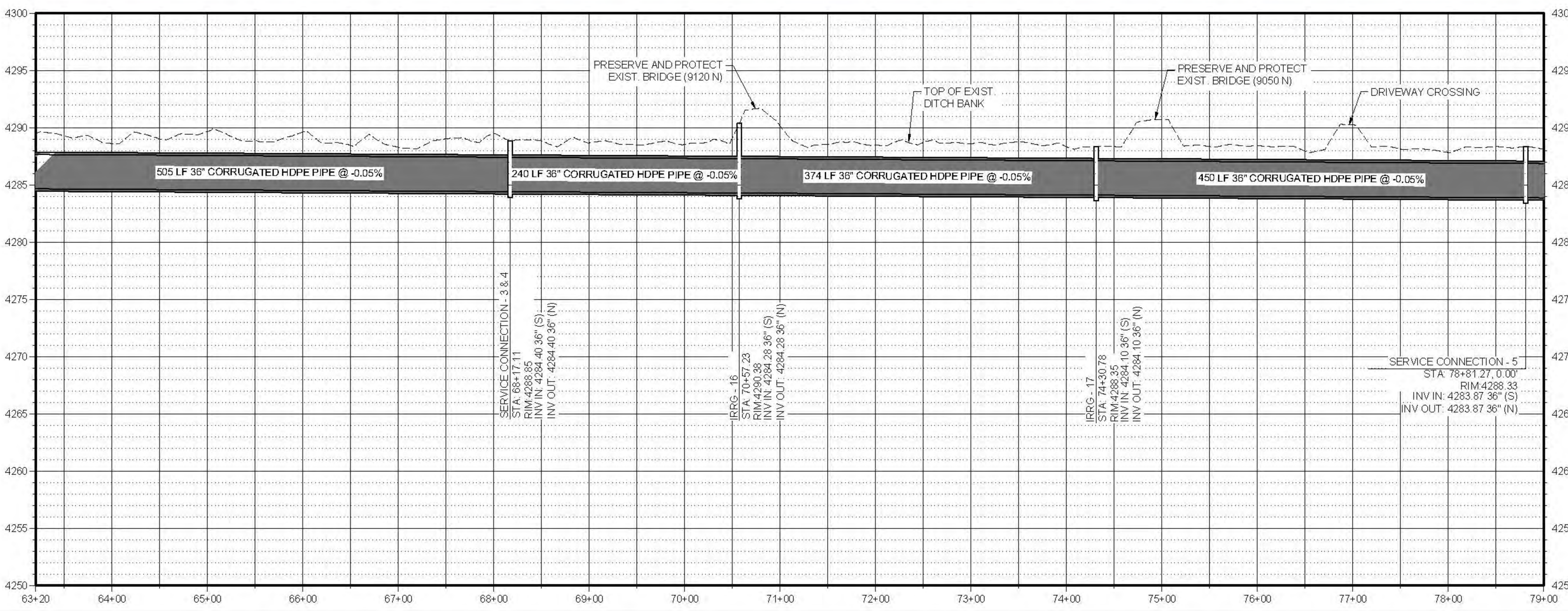
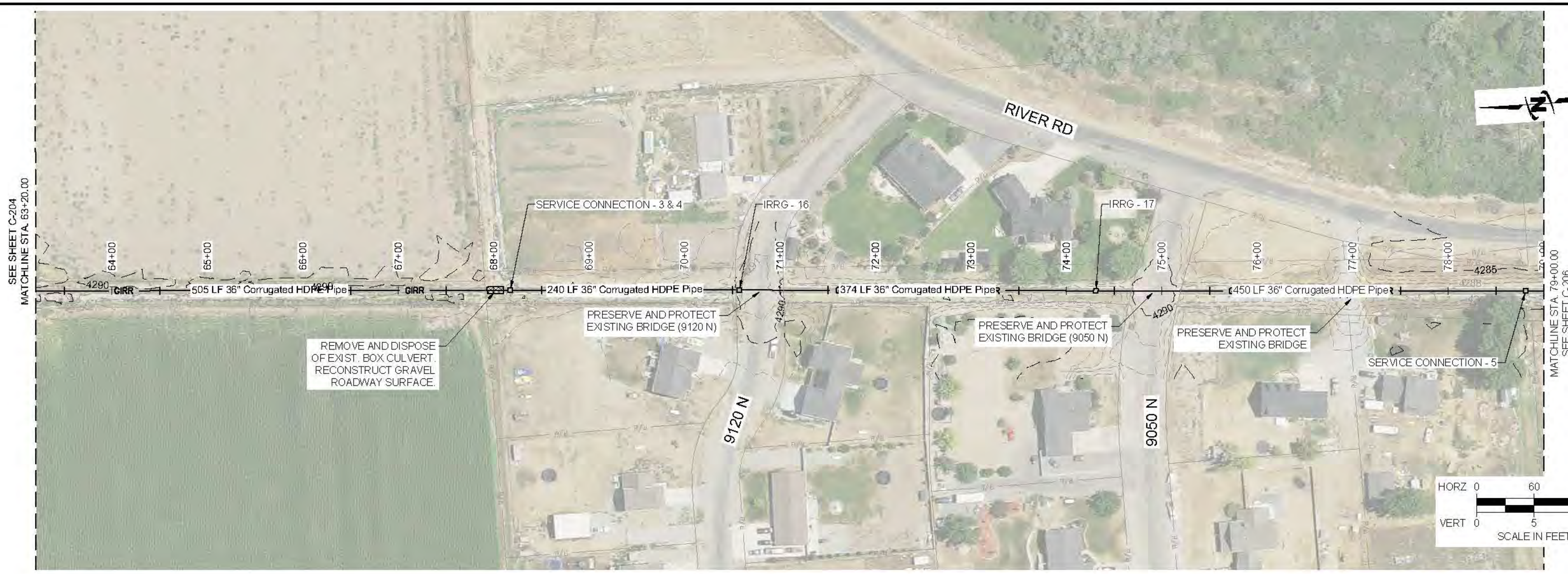
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C-204



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**LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING**
 PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH C-205
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ##

ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 12/29/2024

SHEET NUMBER:
C-205

Plot: 06/12/2024 10:29 AM, Printed By: Parker Achenbach, Date Created: 12/29/24, SUBCENTRALDITCH/BEARWATER/CONSERVATION/STRUCTURE/PROJECT/57-23-010-LOWERBEARWATER/SHEETS/DESIGN/HIGHLANDDITCH/C-205.DWG

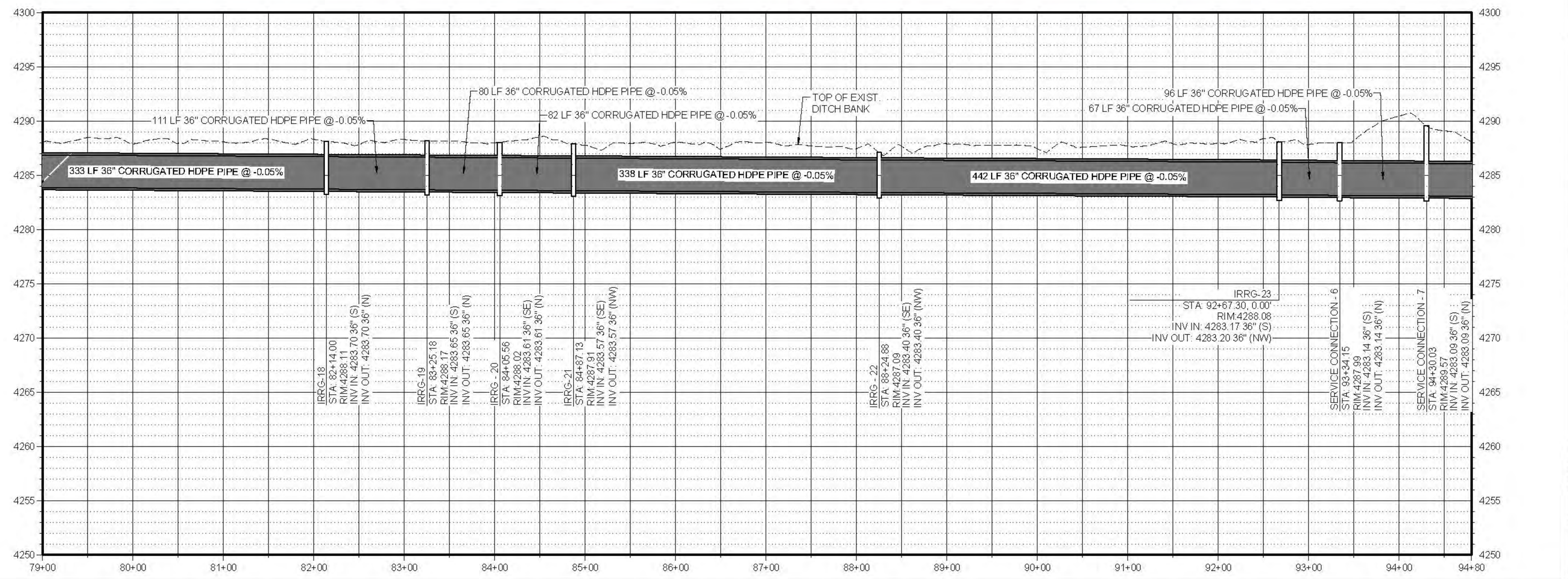


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 Phone: 435 713 9514
 www.jub.com

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NO.	DESCRIPTION	BY	DATE



**LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING**
 PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH C-206
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 12/29/2024
 SHEET NUMBER:
C-206

Plot: 06/12/2024 10:29 AM, Printed By: Parker Achenbach
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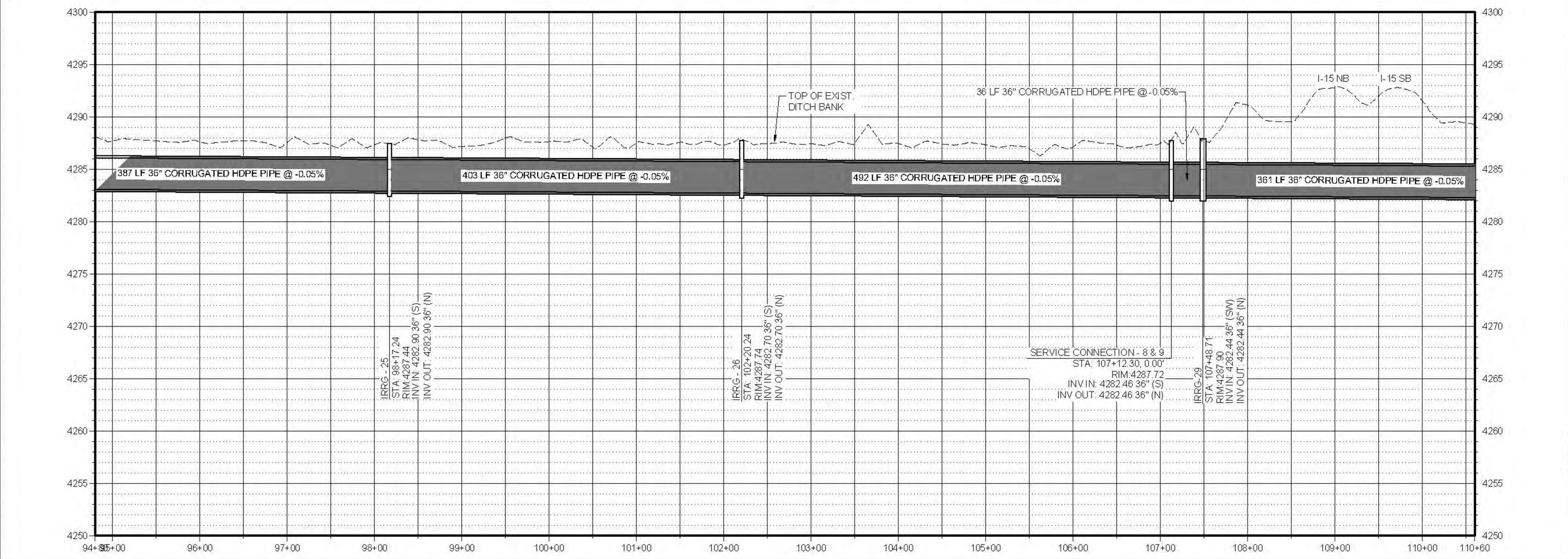
REUSE OF DRAWINGS
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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING PLAN AND PROFILE

FILE: 57-23-010_HIGHLANDDITCH_C-207
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 12/9/2024

SHEET NUMBER:
C-207



Plot: 57-23-010_HIGHLANDDITCH_C-207.dwg
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Printed By: Parker Achenbach
Data Checked: 12/9/2024

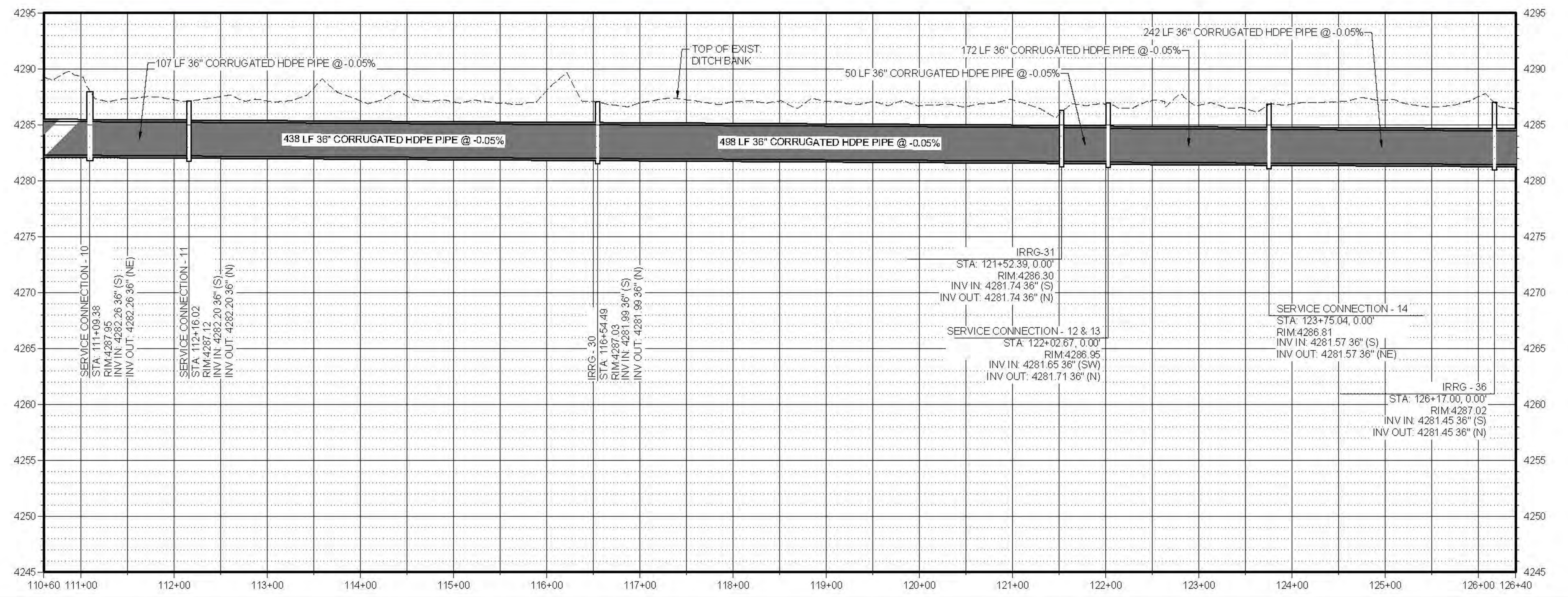
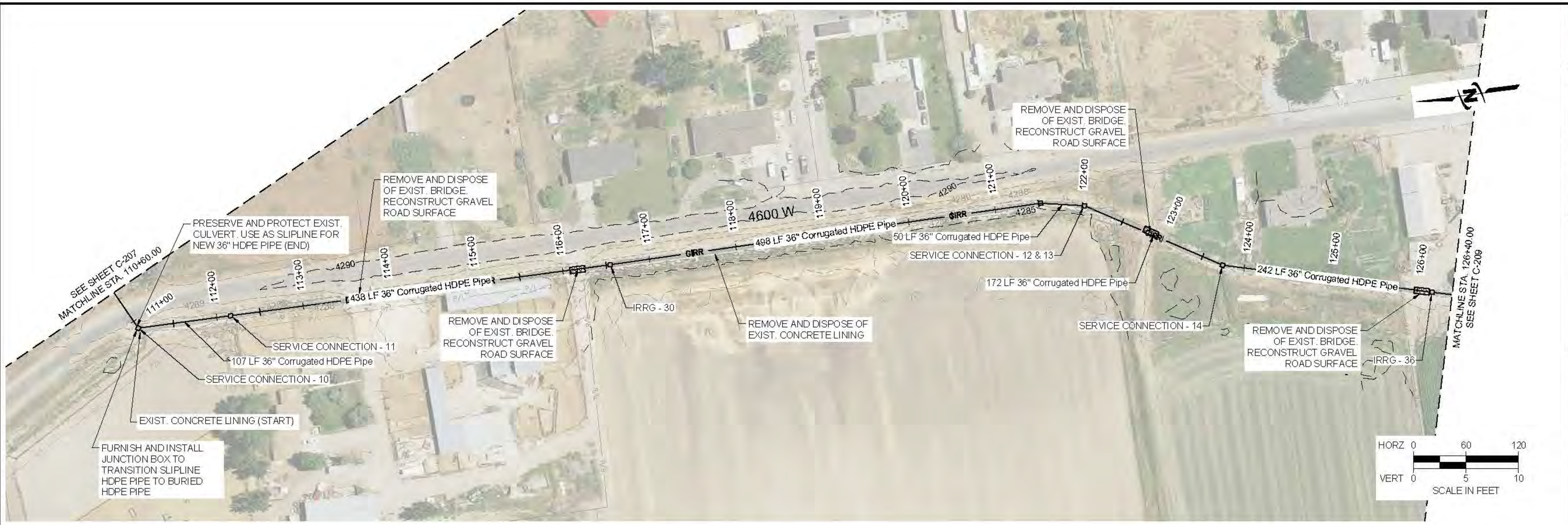


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NO.	DESCRIPTION	BY	DATE



**LOWER BEAR RIVER EIS
HIGHLAND DITCH PIPING**

PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH 3-20X
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 12/29/2024
 SHEET NUMBER:
C-208

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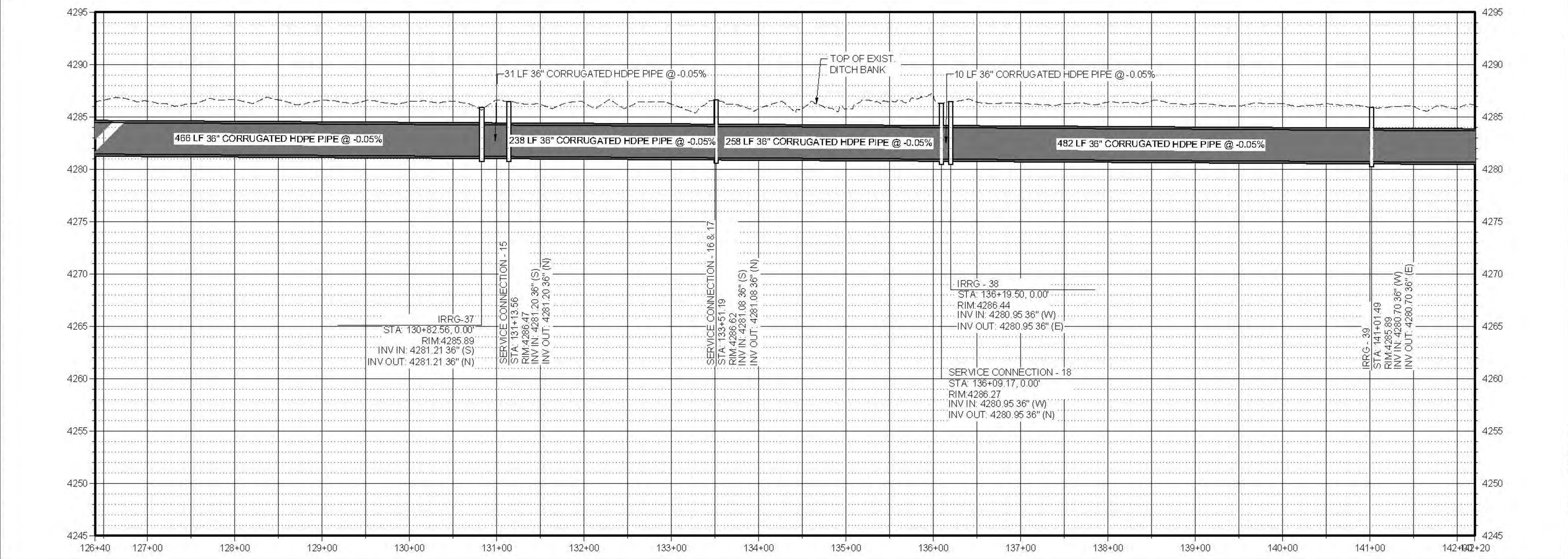
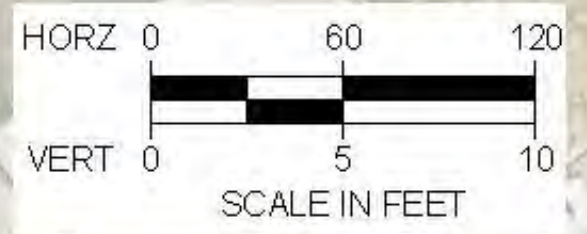
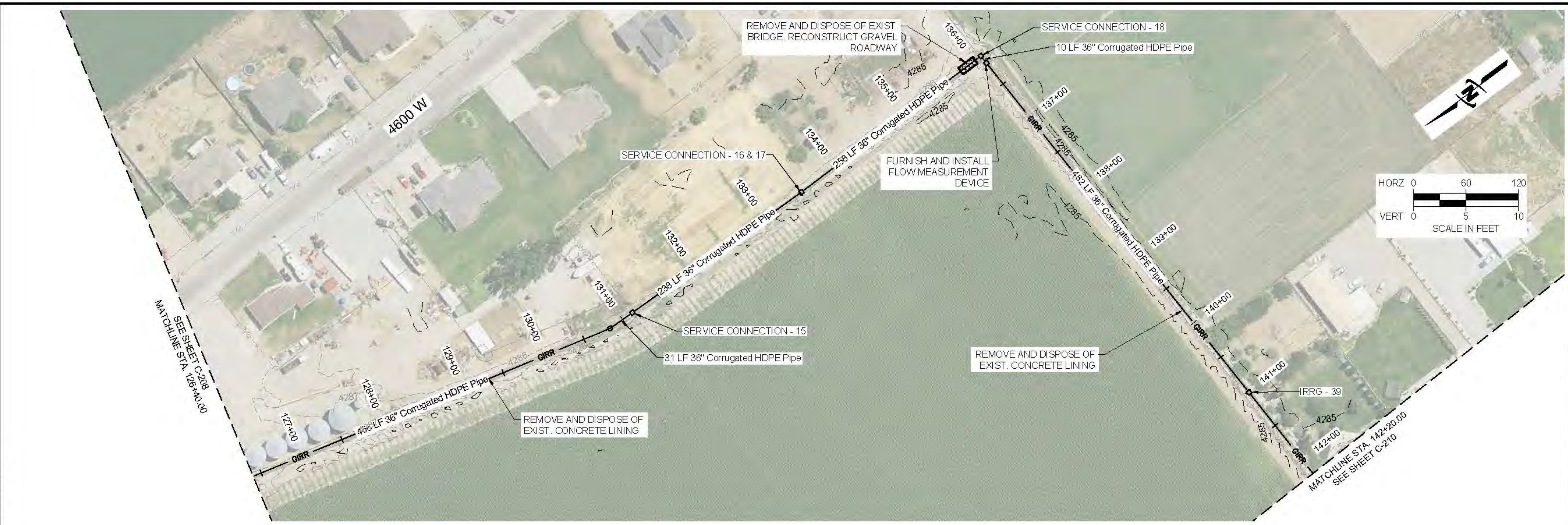
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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING PLAN AND PROFILE

FILE: 57-23-010_HIGHLANDDITCH_C-209
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 12/29/2024
 SHEET NUMBER:
C-209



Plot: 06/12/2024 10:30 AM. Printed By: Parker Achenbach. Data created: 12/29/2024. SUBCENTRALC:\EIS\UT\BEAR RIVER\WATER\CONSERVATION\STRUCTURE\PROJECT\57-23-010-LOWER BEAR RIVER EIS\DESIGN\HIGHLAND DITCH\C-209.DWG



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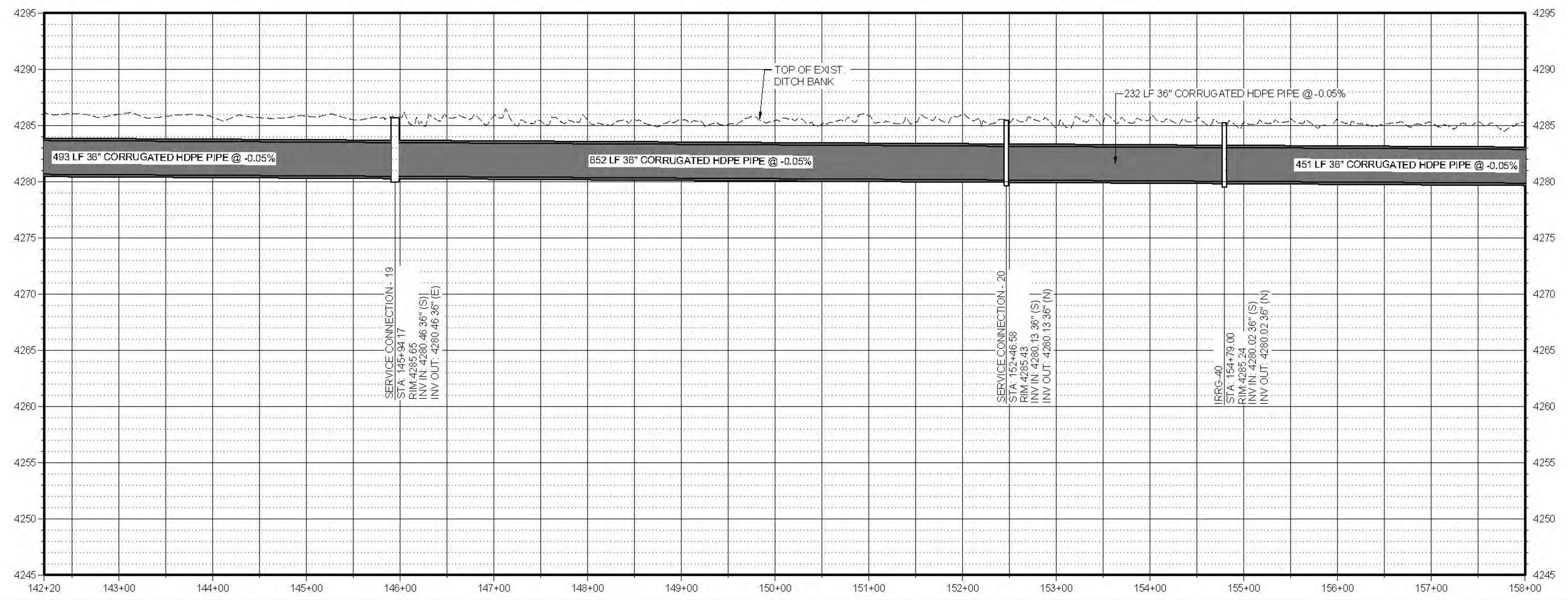
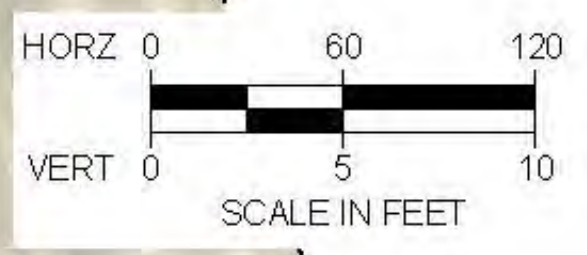
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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING

PLAN AND PROFILE

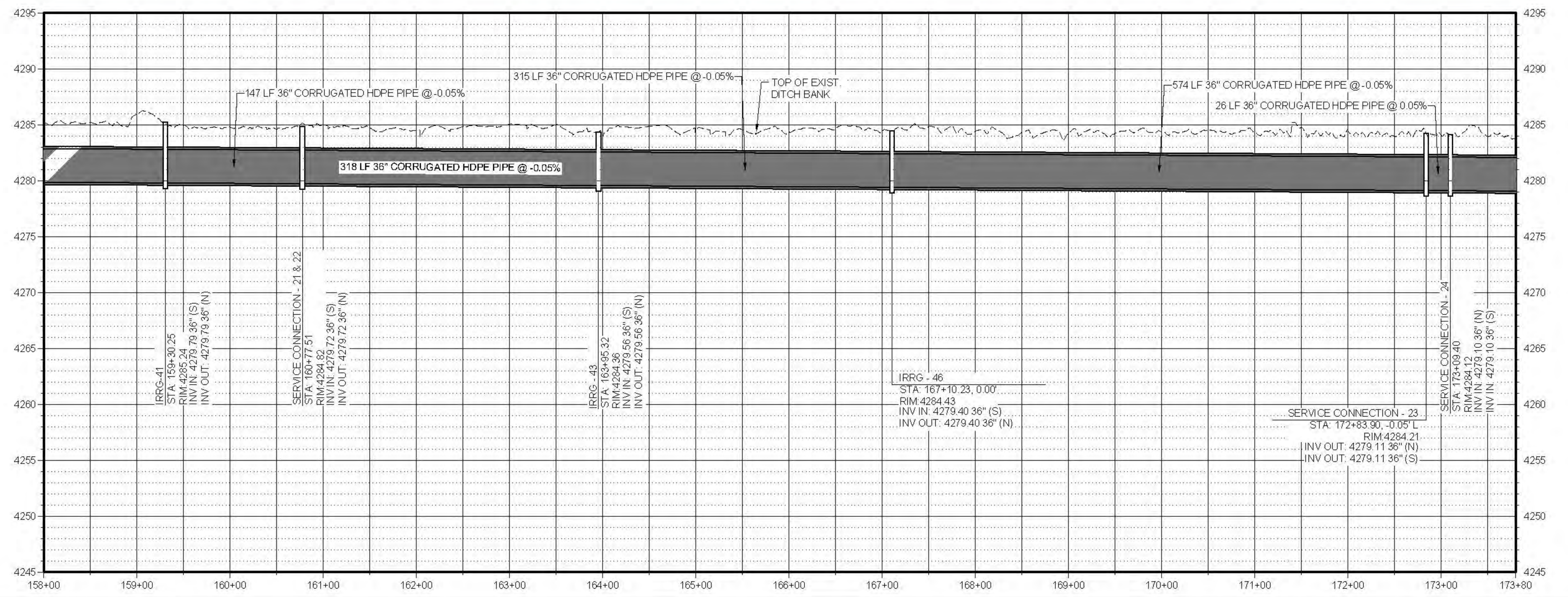
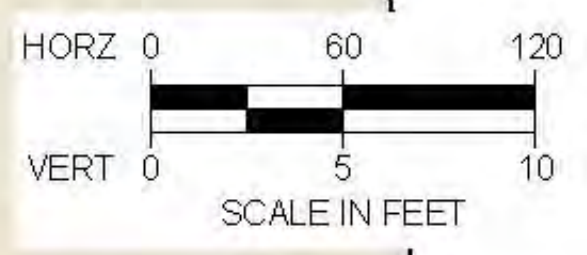
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JOB PROJ: # 57-23-010
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DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 12/9/2024
SHEET NUMBER:
C-210



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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING

PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH 3-20X
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 12/9/2024
 SHEET NUMBER:
C-211

Plot: 46:12/2024 10:31 AM Plotted By: Parker Achenbach
Date Created: 12/20/24 SUBCENTRALCIDENTSOUTBEARWATERCONSERVANCYSTRUCTUREPROJECT 57-23-010 LOWER BEAR RIVER EIS SHEET HIGHLAND DITCH C-211 SEE SHEET 57-23-010 HIGHLAND DITCH C-211.DWG



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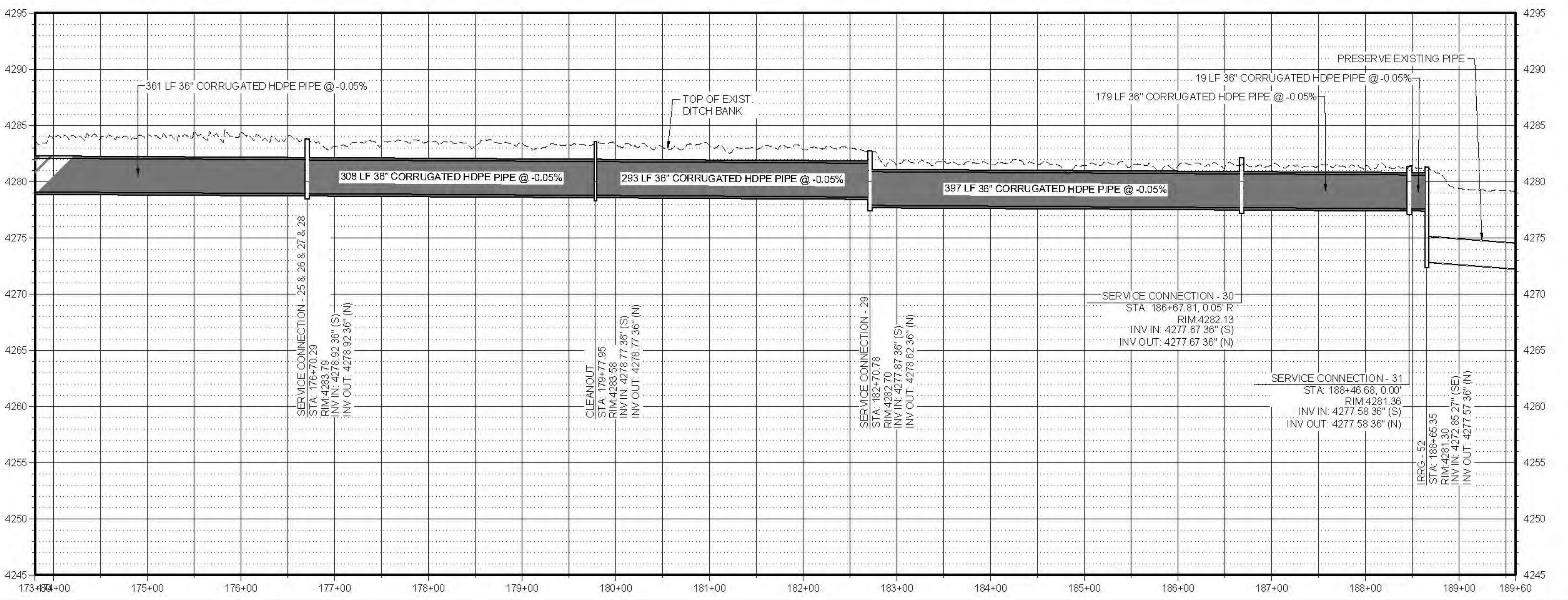
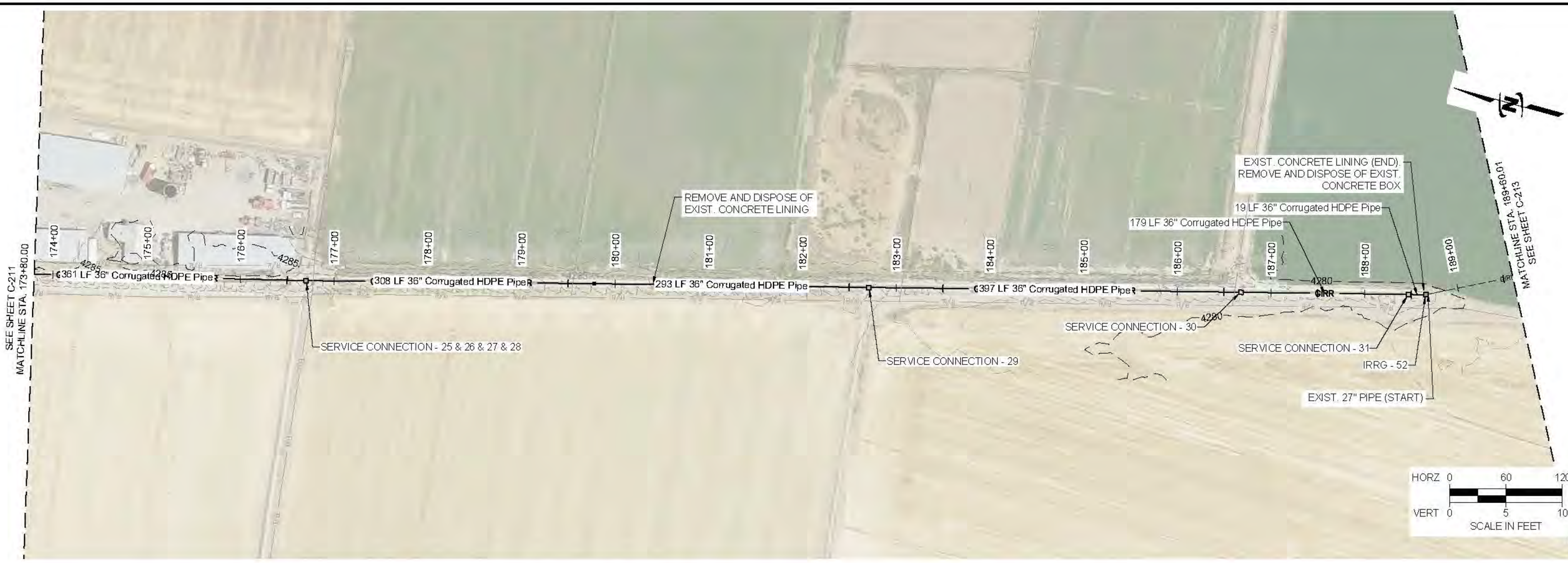
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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS HIGHLAND DITCH PIPING PLAN AND PROFILE

FILE: 57-23-010_HIGHLANDDITCH_C-212.dwg
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###

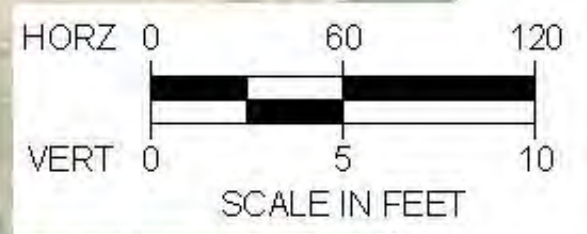
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 LAST UPDATED: 12/29/2024
 SHEET NUMBER:
C-212



Plot: 46:12/2024 10:31 AM Plotted By: Parker Achenbach
Data Checked: 12/29/2024 SUBCENTRALCIDENTSUT/BEARIVERWATERCONSERVATIONSTRUCTUREPROJECT/57-23-010-LOWERBEARWATEREIS/SHEETS/HIGHLANDDITCH/C-212.DWG



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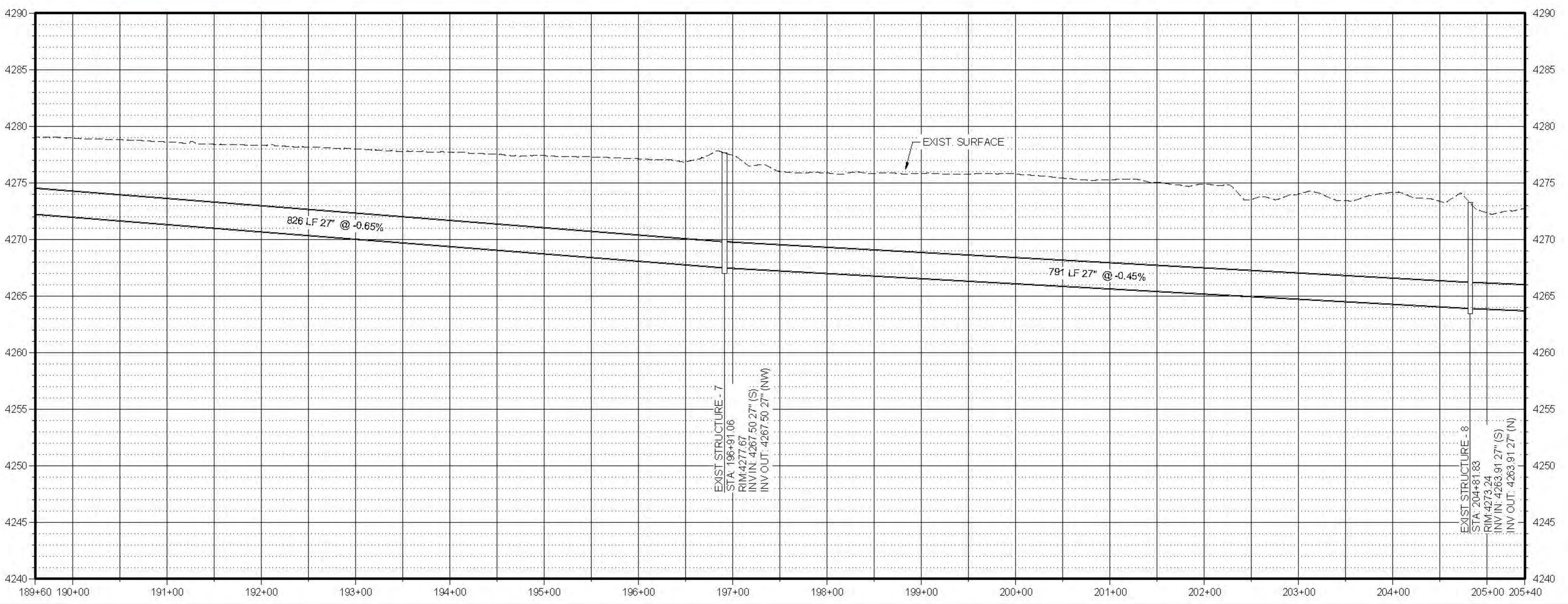


FileD:\s\2024\1032 AM Filed By: Parker Achenbach
 Date Checked: 12/20/24 SUBCENTRALCIVILS\UT\BEAR RIVER\WATER CONSERVATION\STRUCTURE\DESIGN\HIGHLANDDITCH\C-203.DWG

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LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING
 PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH C-203
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
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 LAST UPDATED: 12/20/24
 SHEET NUMBER:
C-213

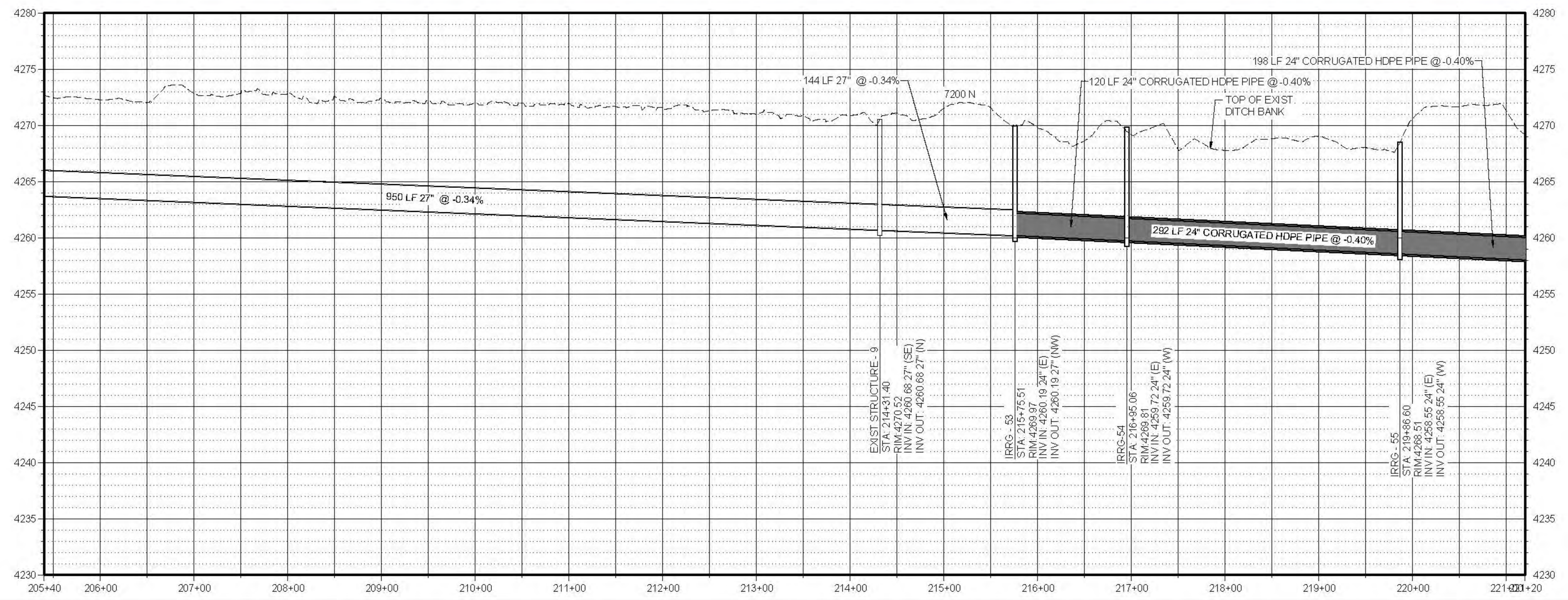
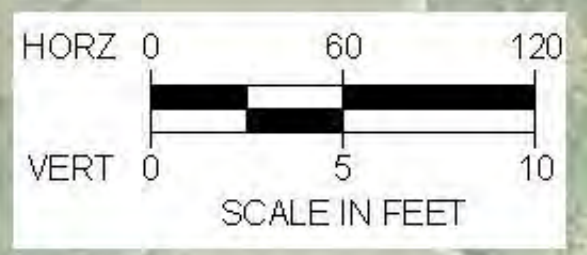


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LOWER BEAR RIVER EIS
 HIGHLAND DITCH PIPING
 PLAN AND PROFILE

FILE: 57-23-010_HIGHLANDDITCH_C-214.dwg
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ##

AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 12/9/2024
 SHEET NUMBER:
C-214

Plot: 4/12/2024 10:52 AM, Printed By: Parker Achenbach
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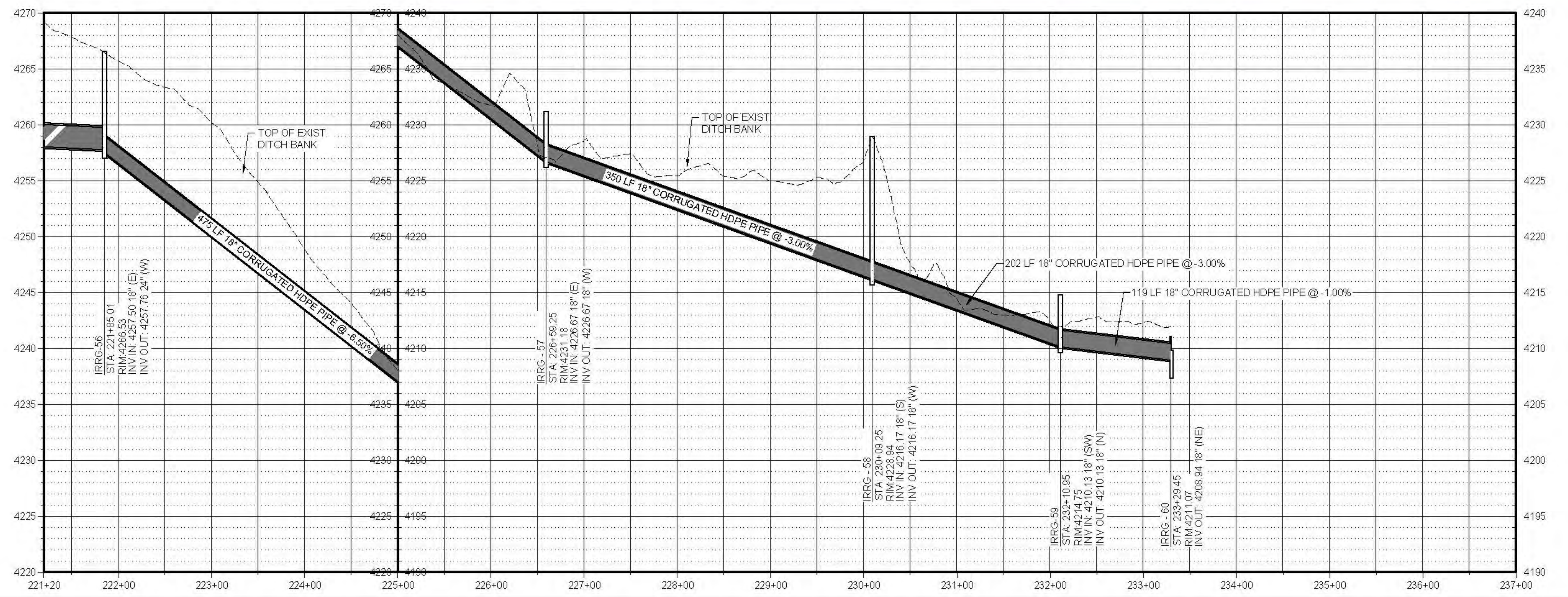
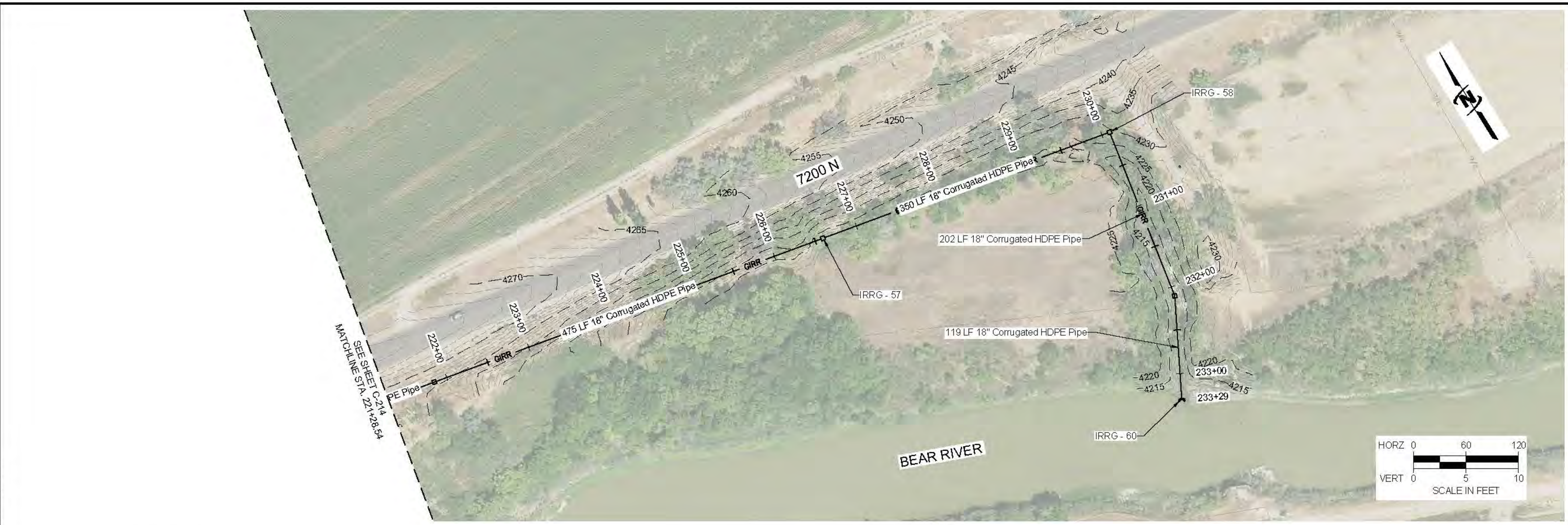


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NO.	REVISION	DESCRIPTION	BY	DATE



LOWER BEAR RIVER EIS
HIGHLAND DITCH PIPING
PLAN AND PROFILE

FILE: 57-23-010 HIGHLANDDITCH
JOB PROJ: # 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ##
AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 12/9/2024
SHEET NUMBER:
C-215

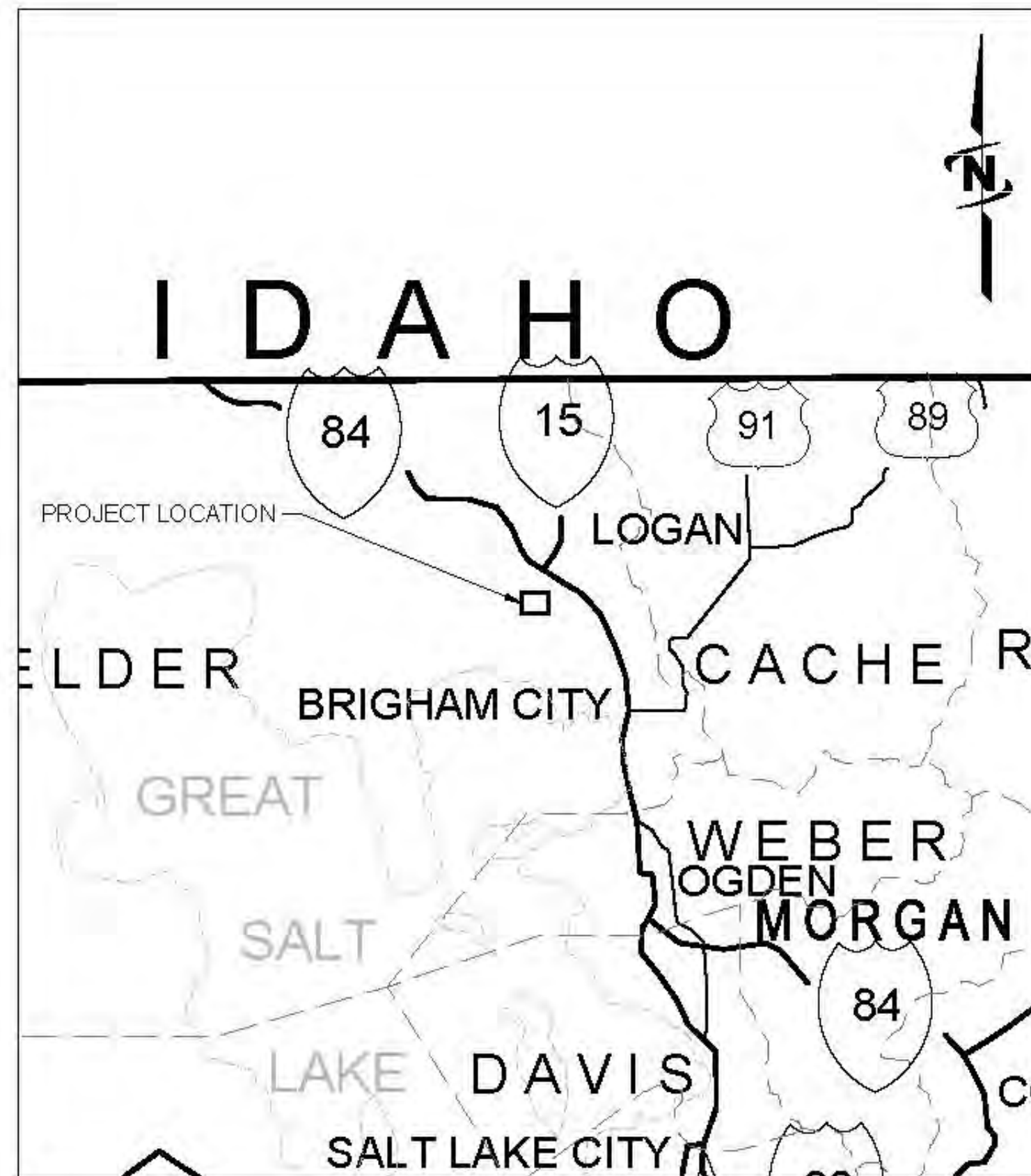
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LOWER BEAR EIS

CENTRAL CANAL COMPANY PIPING

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION



AREA MAP



VICINITY MAP



PROJECT NO. 57-23-010



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J-U-B FAMILY OF COMPANIES

Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND AND DETAIL KEY
CIVIL	
C-100	SHEET INDEX
C-201	PLAN AND PROFILE
C-202	PLAN AND PROFILE
C-203	PLAN AND PROFILE
C-204	PLAN AND PROFILE
C-205	PLAN AND PROFILE
C-206	PLAN AND PROFILE
C-207	PLAN AND PROFILE
C-208	PLAN AND PROFILE
C-209	PLAN AND PROFILE
C-210	PLAN AND PROFILE

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SHEET NUMBER:

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Plot Date: 12/24/2024 \\JUB-COM\CENTRAL\CANAL\COMPANY\CAD\DESIGN\CENTRAL\CANAL\COMPANY\CAD\SHEET\57-23-010_CCC_G-001.DWG



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NO.	DESCRIPTION	BY	DATE

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LINE LEGEND AND DETAIL KEY

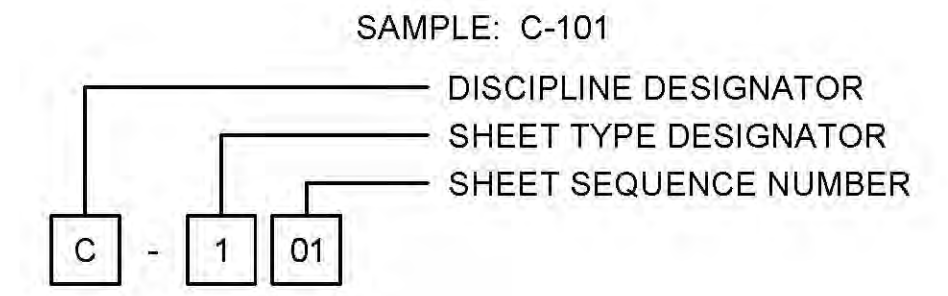
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JUB PROJ #: 57-23-010
DRAWN BY: CH
DESIGN BY: PA
CHECKED BY: JDL
SCALE: ONE INCH = AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/23/2024
SHEET NUMBER: G-002

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	UP
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	UT
FIBER OPTIC	F/O	F/O
CABLE TELEVISION	CTV	CTV
UNDERGROUND POWER, TEL, CABLE TV		P,T,CTV
UNDERGROUND POWER, TEL, CABLE TV, GAS		P,T,CTV,G
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X*SD	X*SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X*SS	X*SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X*W	X*W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPC	HPC
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE	---	---
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE	---	---
SECTION LINE	---	---
QUARTER SECTION LINE	---	---
1/16 SECTION LINE	---	---
STATE LINE	---	---
COUNTY LINE	---	---
SITE		
FENCE	X	X
MAJOR CONTOUR	2521	---
MINOR CONTOUR	---	---
GRADE BREAK	---	GB
TOP OF BANK	---	TOB
TOE OF SLOPE	---	TOE
CUT LIMITS	---	---
CUT LIMITS	CUT	---
FILL LIMITS	---
FILL LIMITS	FILL	---
DITCH	---	---
STORM SWALE	---	---
EDGE OF WATER	---	---
HIGH WATER	---	---
WETLAND	---	WET
WETLAND BOG	---	BOG
WETLAND MARSH	---	MRSH
WETLAND SWAMP	---	SWMP
ROADWAY		
ROAD SHOULDER	---	---
ROAD CENTERLINE	---	---
ROAD ASPHALT	---	EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB	---	---
LIP OF GUTTER	---	---
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

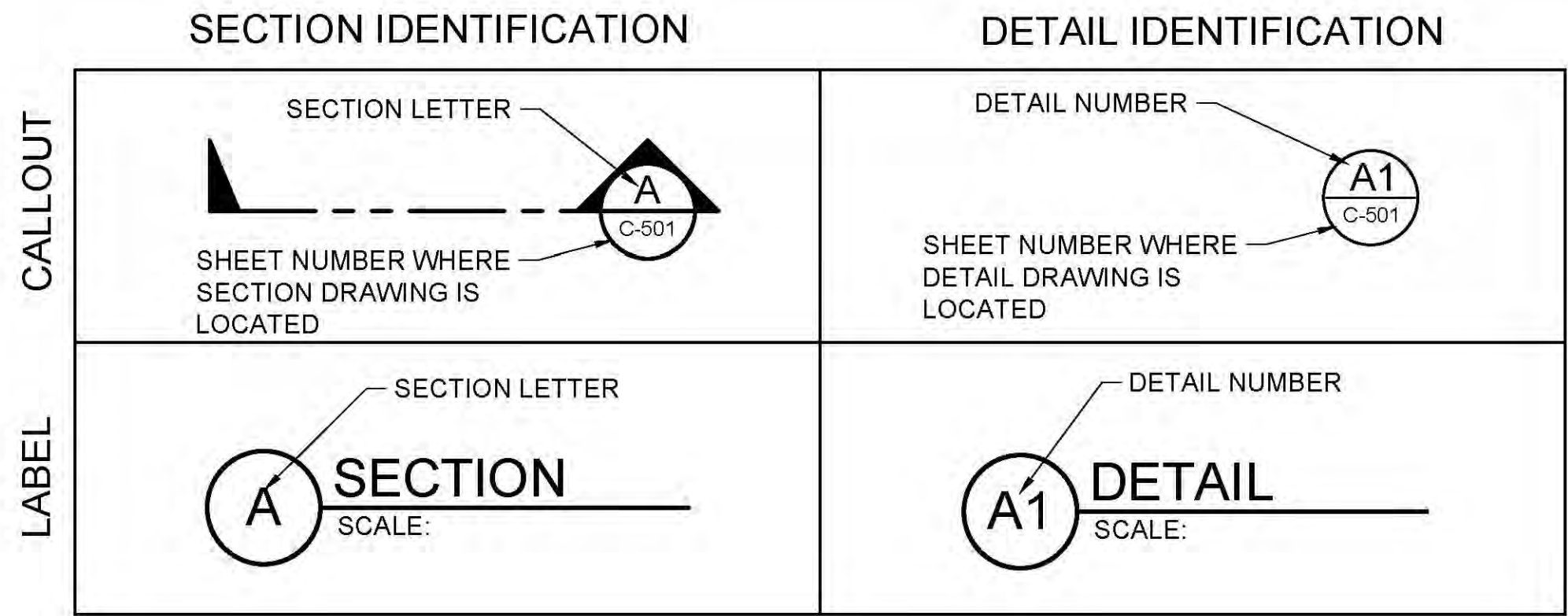


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.



File Date: 12/24/2024 8:28 AM Plotted By: Parker, Asherbach
 Date Created: 10/23/24 JUB-CENTRAL-CANAL-CLIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-WATER-SHED-DESIGN-CANAL-COMPANY-CAD-SHEET-167-23-010-CCC-G-003.DWG



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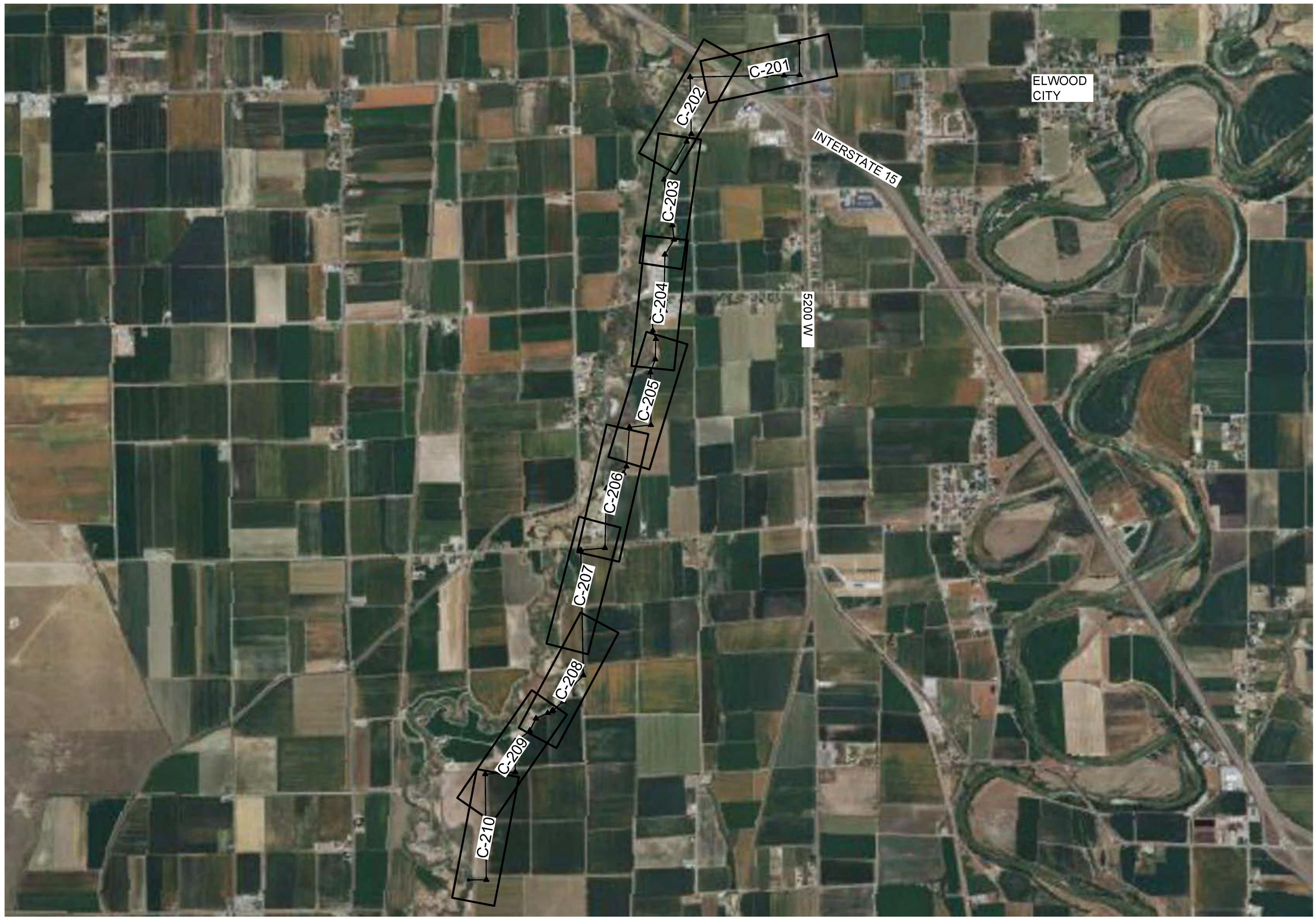
LOWER BEAR EIS
CENTRAL CANAL COMPANY PIPING

SHEET INDEX

FILE: 57-23-010_C-100
JUB PROJ # 57-23-010
DRAWN BY: CIH
DESIGN BY: PA
CHECKED BY: JDL

AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/23/2024

SHEET NUMBER:
C-100



Plot Date: 12/24/2024 8:29 AM Plotted By: Parker Achenbach
DWG Created: 10/23/24 JUB-CENTRAL-CANAL-CLIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-WATERSHED-DESIGN-CENTRAL-CANAL-COMPANY-CANALSHEET-57-23-010-C-100.DWG



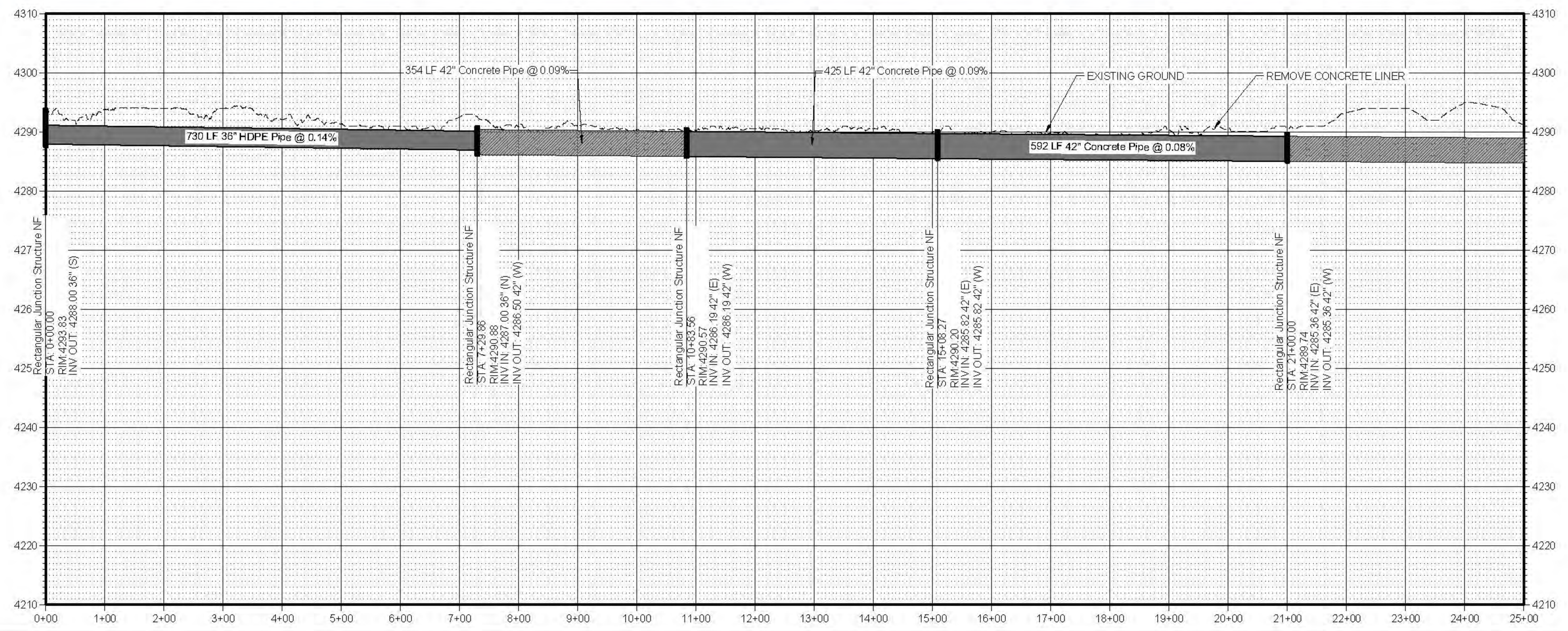
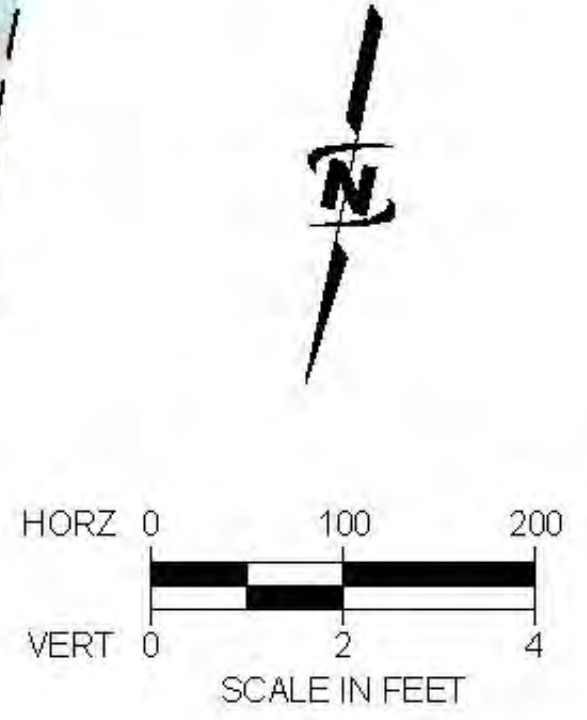
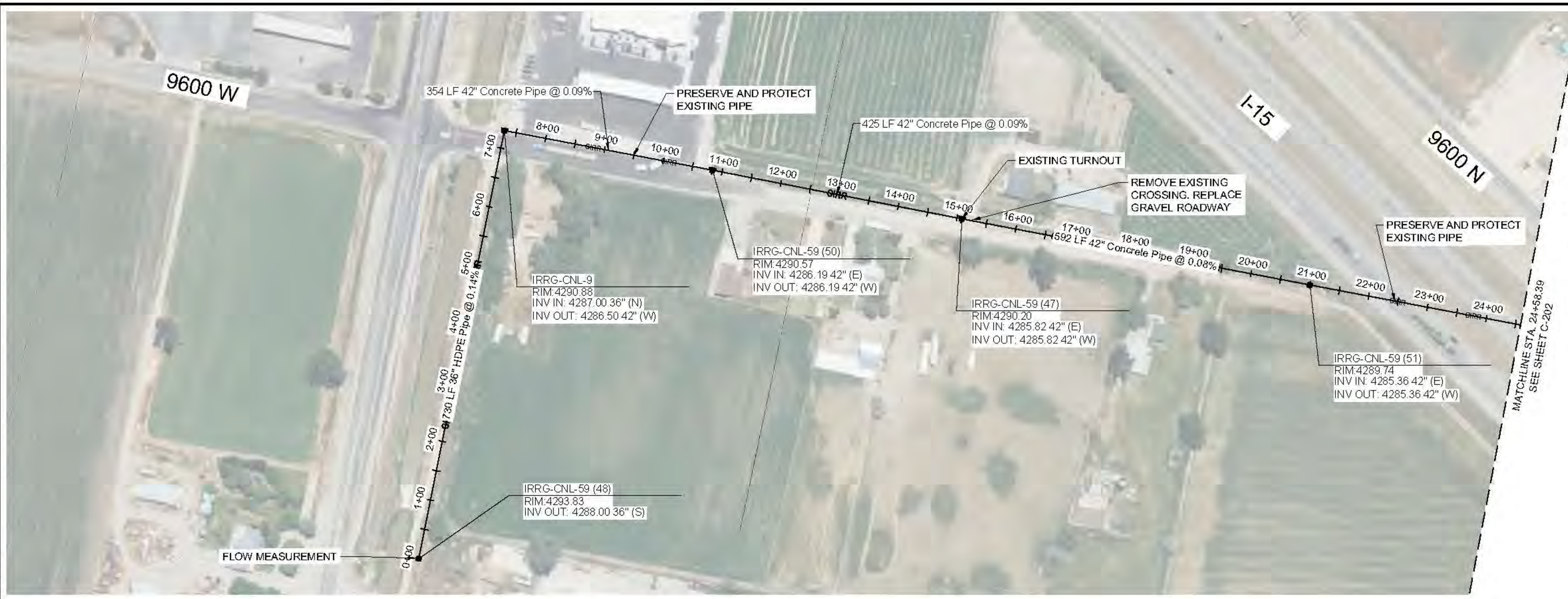
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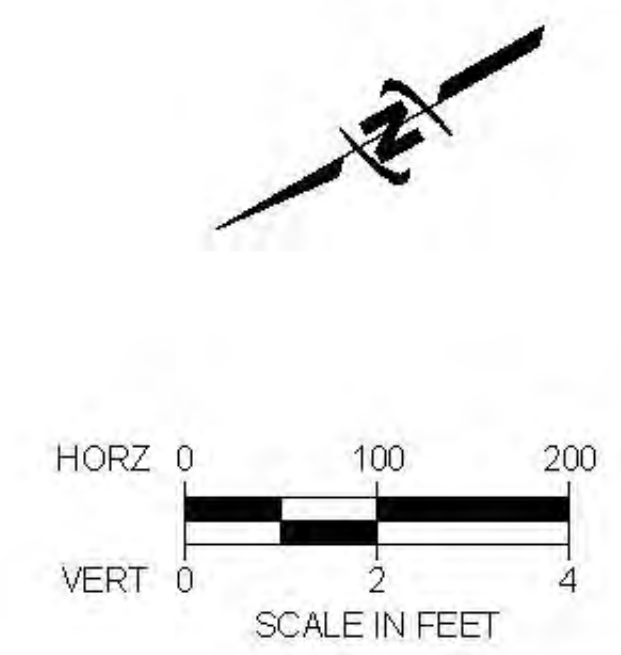
NO.	REVISION	DESCRIPTION	BY	DATE

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PLAN AND PROFILE

FILE: 57-23-010_C-201X
JOB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 12/24/2024
SHEET NUMBER:
C-201



Plot: 4/12/2024 8:30 AM, Printed By: Parker Achenbach
 Date Created: 12/23/2024 10:15:10 AM, Project: 57-23-010 - LOWER BEAR RIVER WATERSHED EIS DESIGN CENTRAL CANAL COMPANY CAD SHEET C-201X.DWG



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PLAN AND PROFILE

FILE: 57-23-010_C-201X
 JOB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 12/24/2024
 SHEET NUMBER:
C-202

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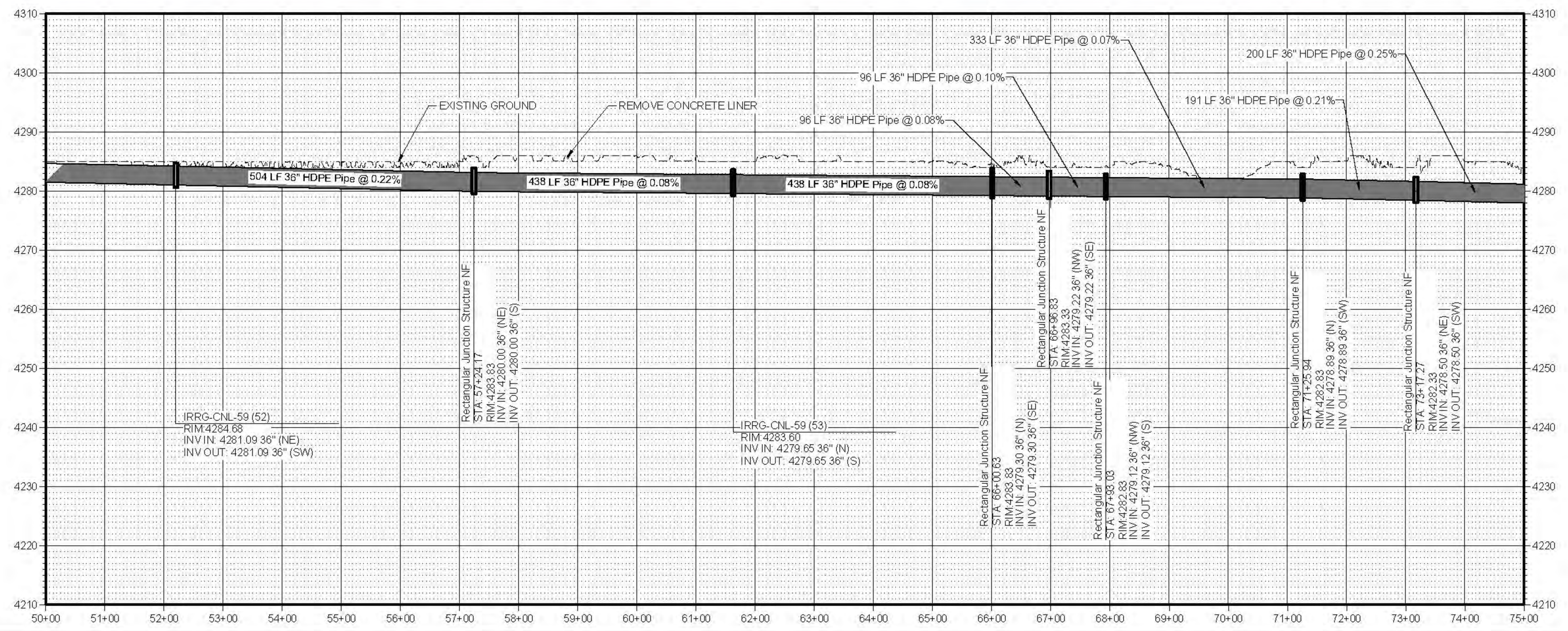
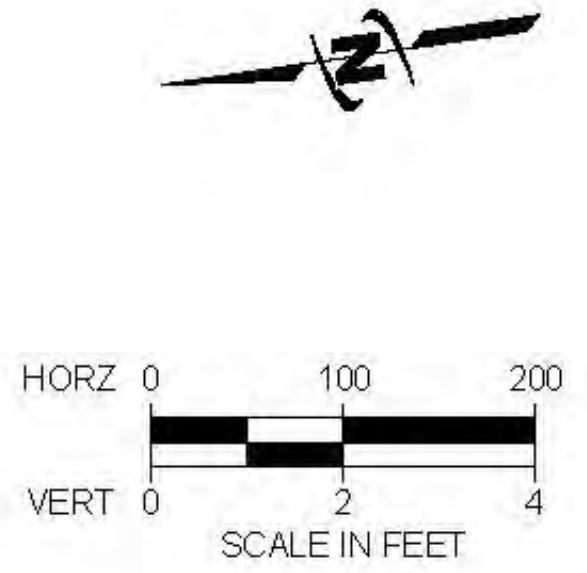
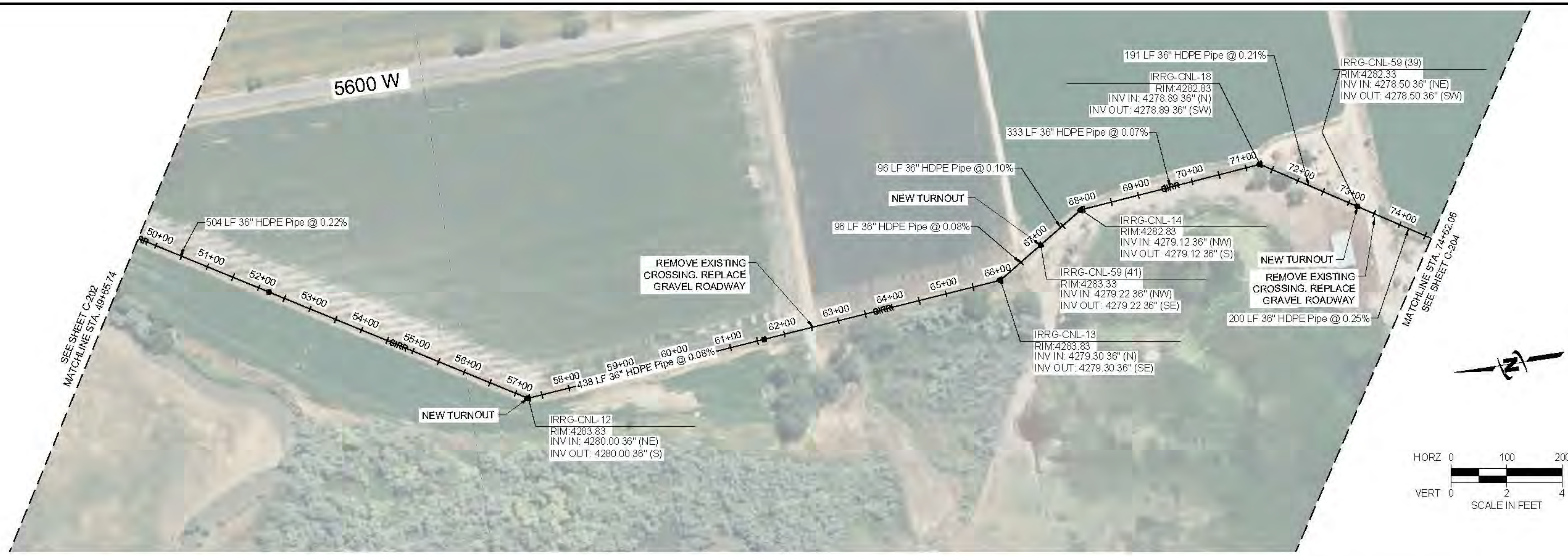
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PLAN AND PROFILE

FILE: 57-23-010_C-203X
 JOB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY
 LAST UPDATED: 1/22/2024
 SHEET NUMBER:
C-203



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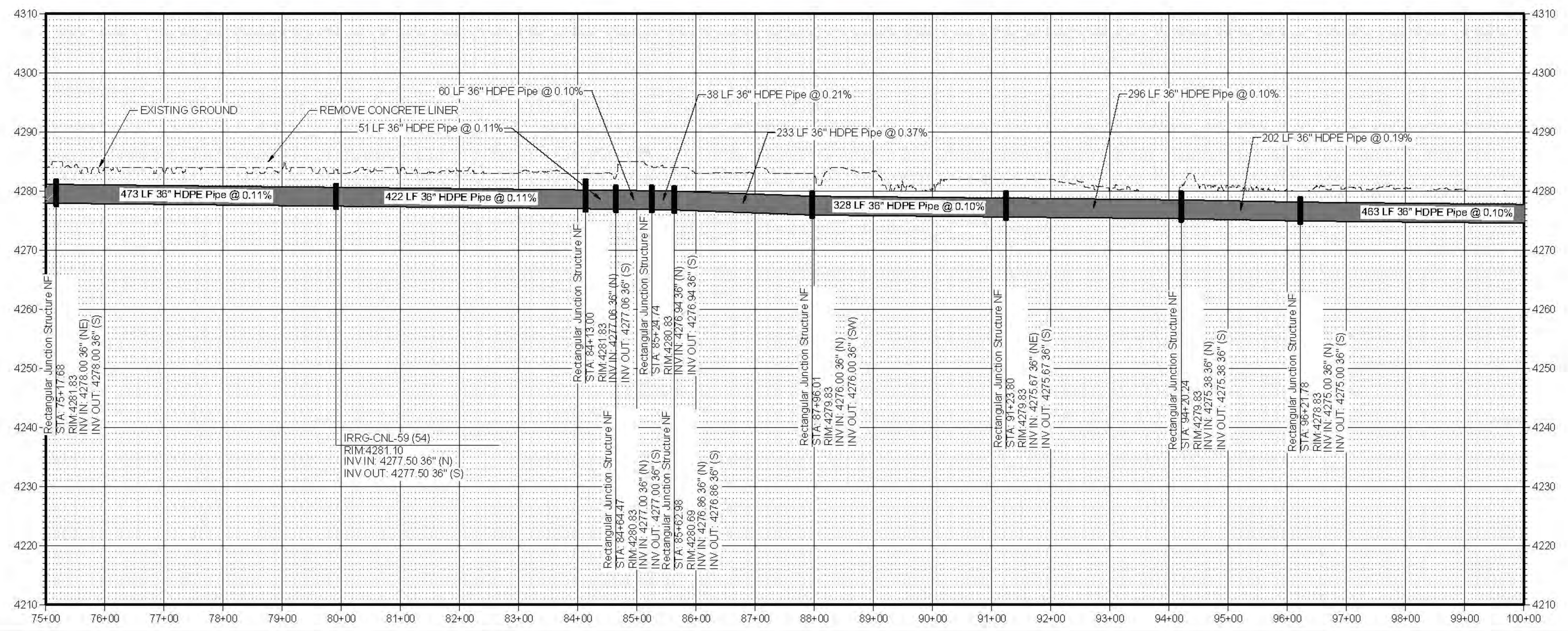
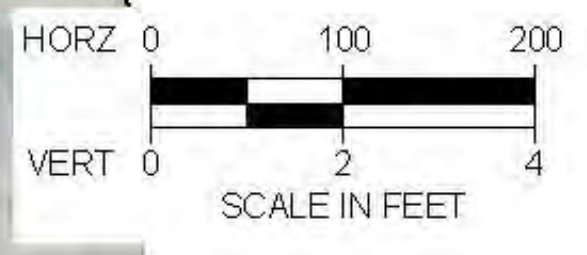
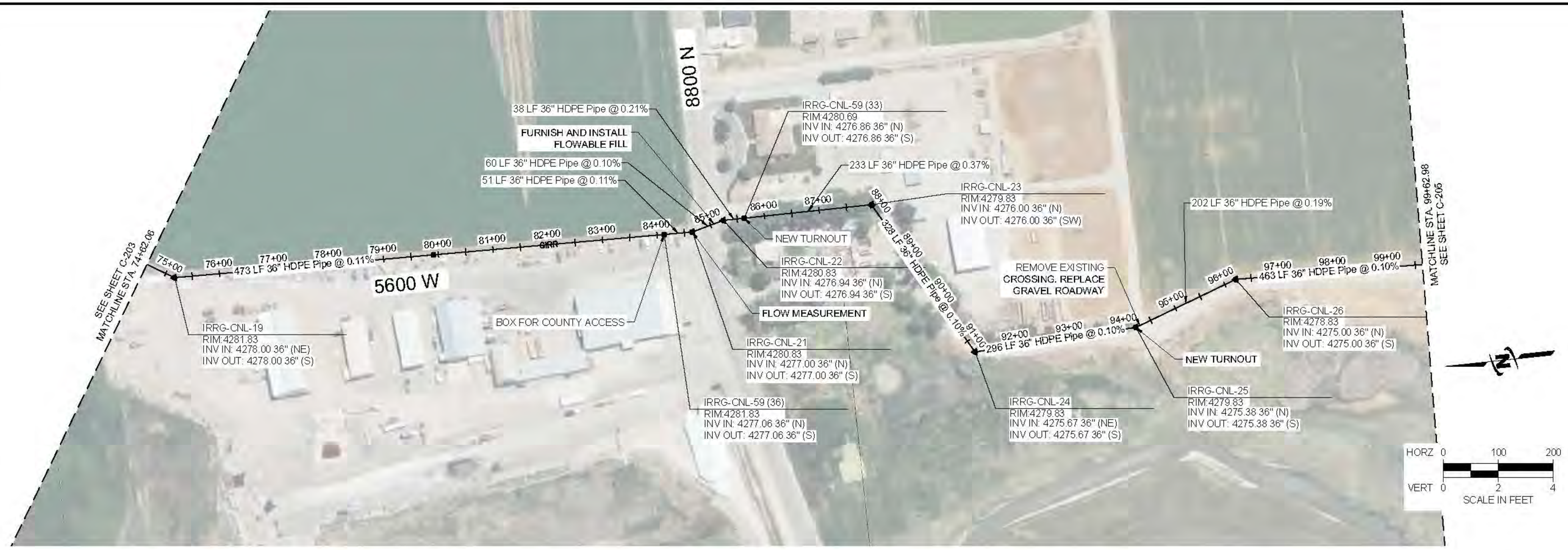
PRELIMINARY PLANS
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PLAN AND PROFILE

FILE: 57-23-010_C-204X
JOB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###

AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 12/24/2024
SHEET NUMBER:
C-204



Plot: 46:12/24/2024 8:23 AM. Printed By: Pake Alenbach
 Date Created: 12/23/2024 10:15:00 AM. Project: 57-23-010 - LOWER BEAR RIVER WATERSHED EIS DESIGN CENTRAL CANAL COMPANY CAD SHEET C-204.DWG



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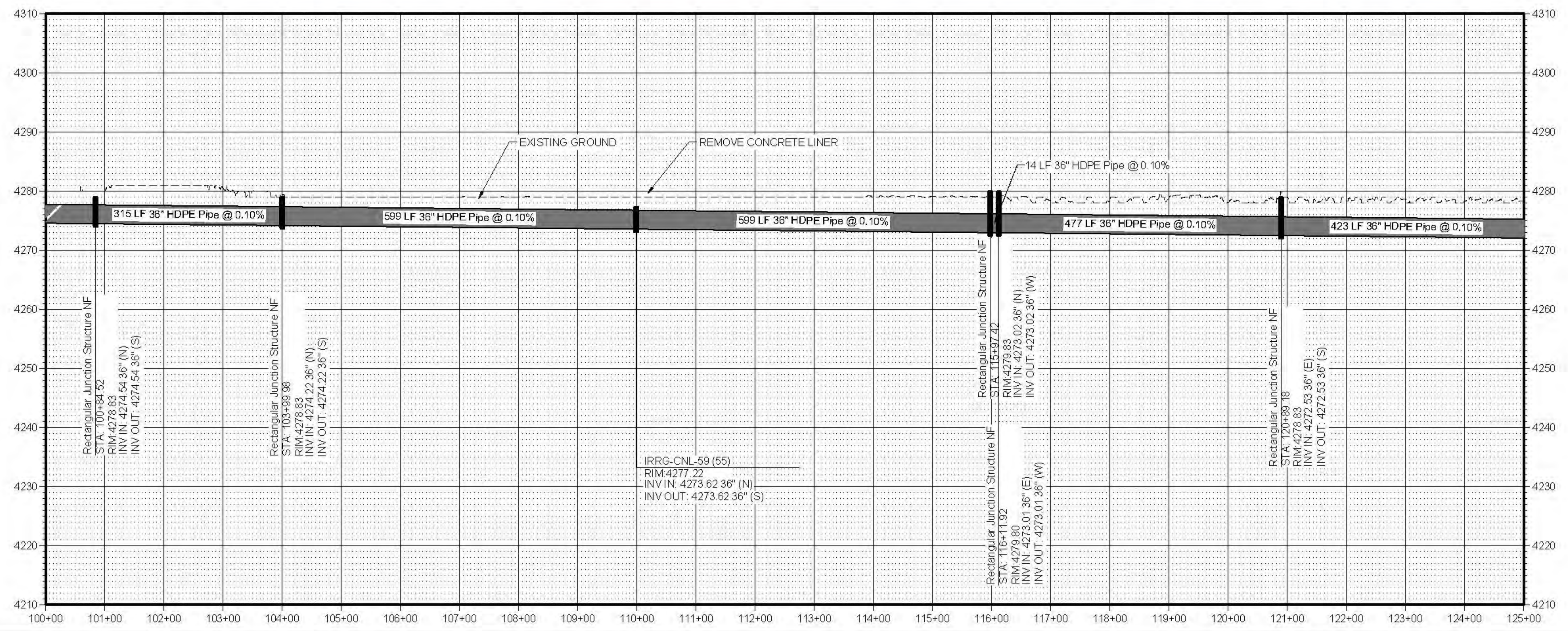
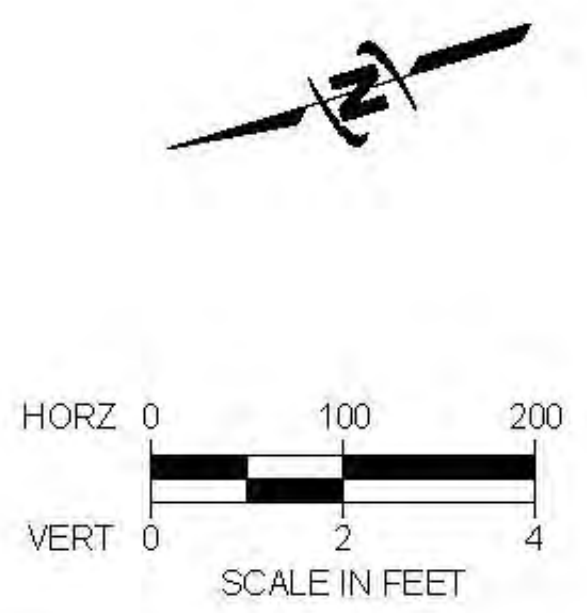
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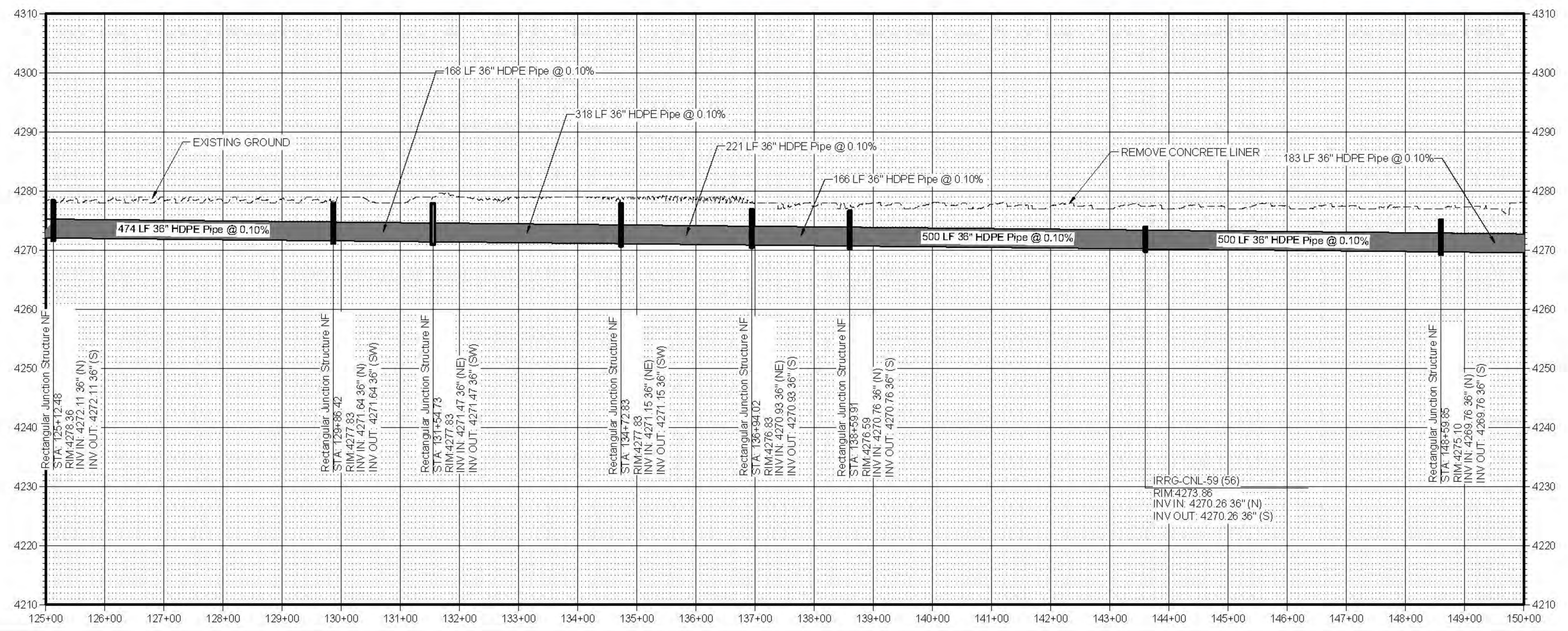
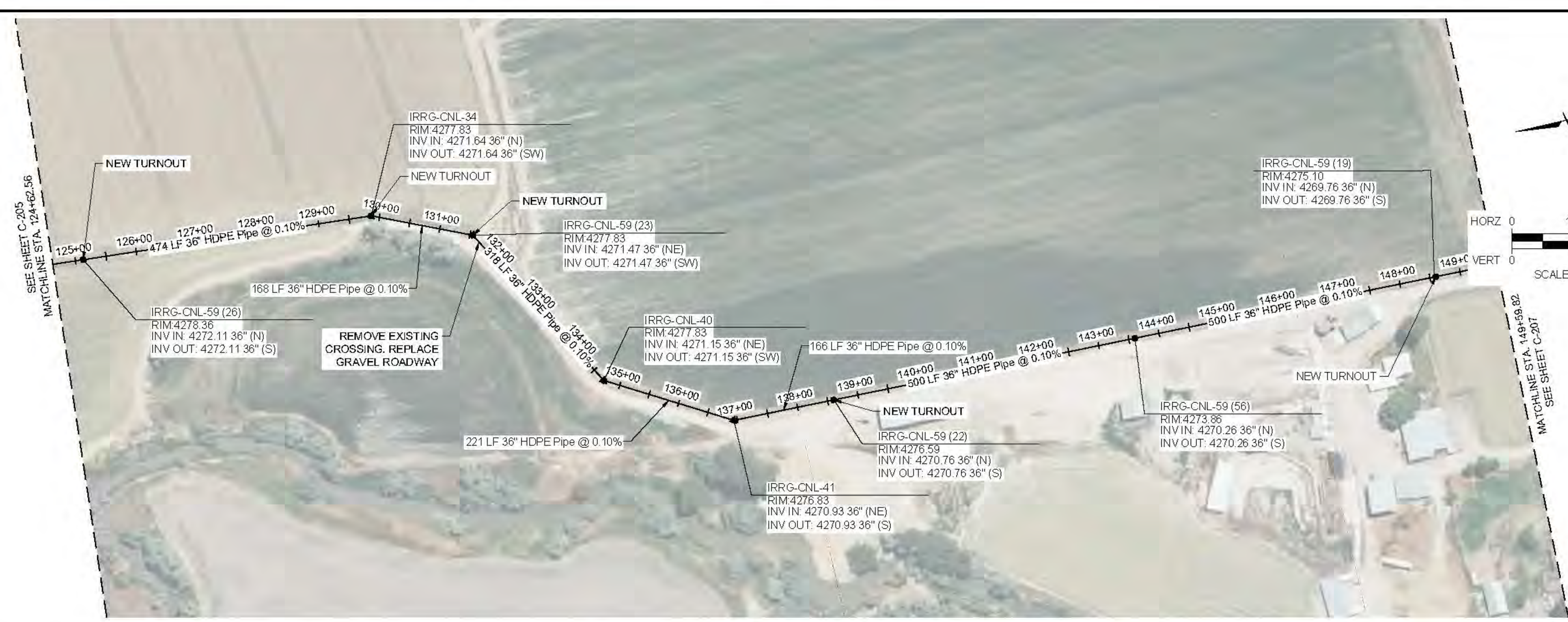
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 SHEET NUMBER:
C-205



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FILE: 57-23-010_C-201X
JOB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###

AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 12/24/2024

SHEET NUMBER:
C-206

Plot: 26/12/24/2024 8:54 AM Plotted By: Parker Achenbach
 Date Created: 12/23/2024 10:15:10 AM Project: 57-23-010 - LOWER BEAR RIVER WATERSHED PROJECT - CENTRAL CANAL COMPANY CAD SHEET C-201X.DWG



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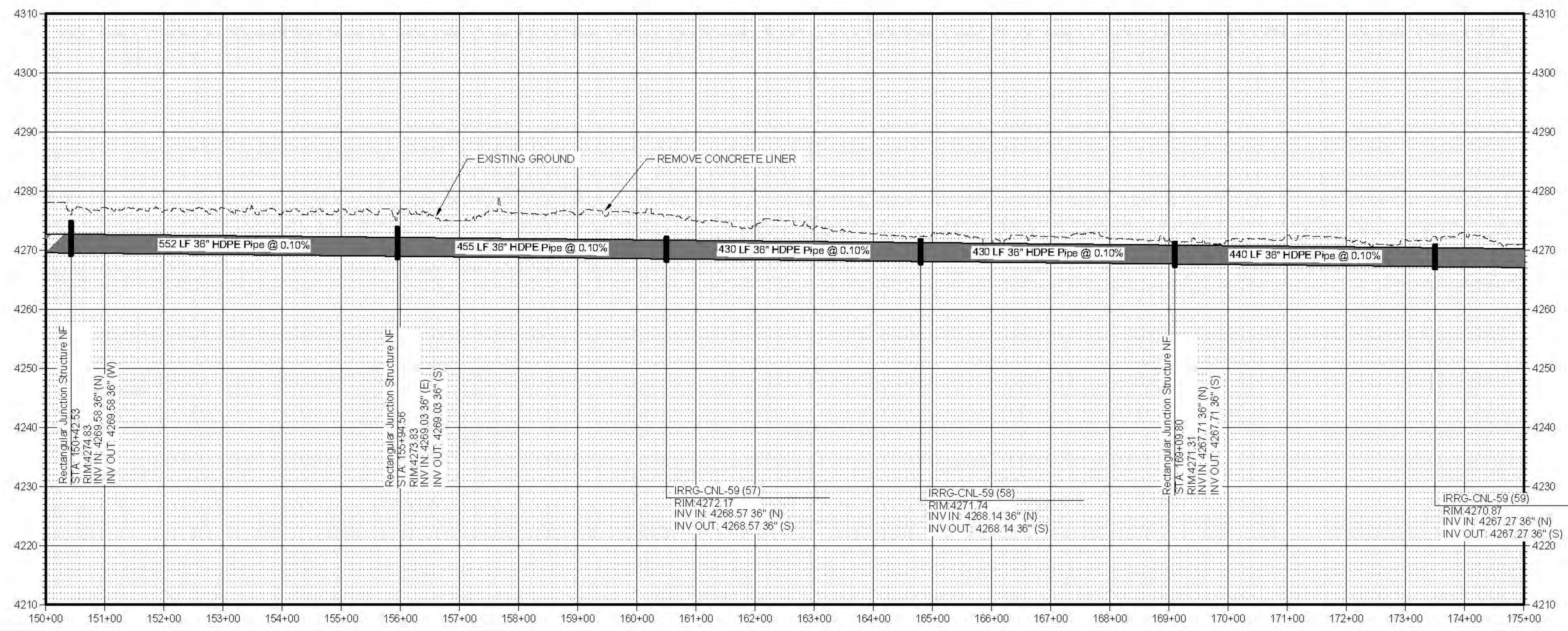
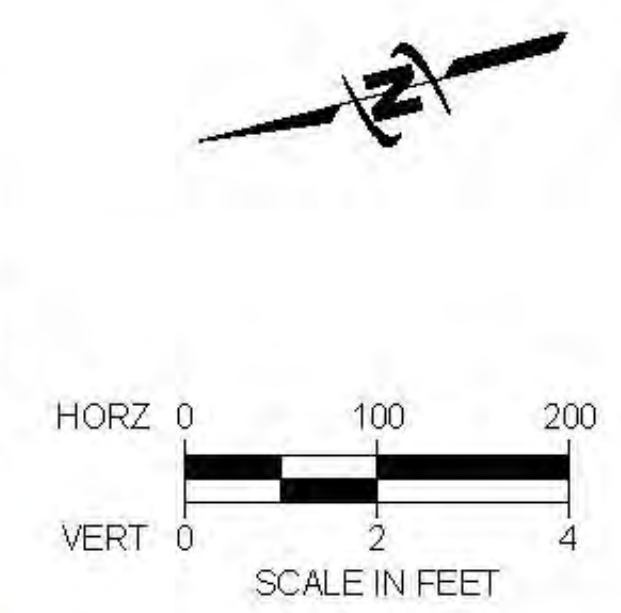
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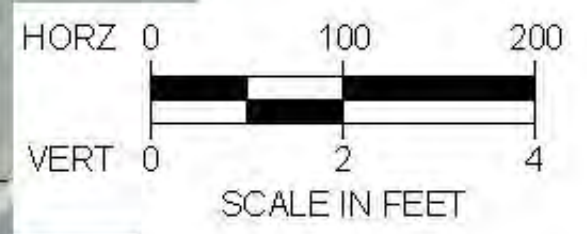
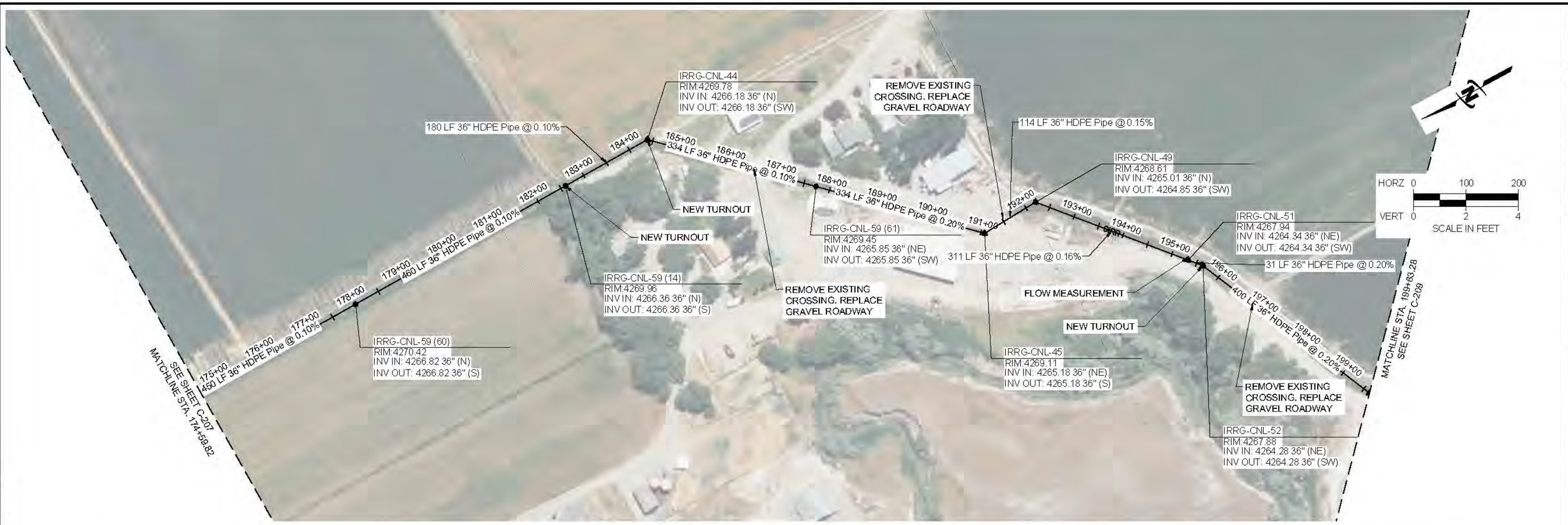
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DESIGN BY: ###
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INCH, SCALE ACCORDINGLY
LAST UPDATED: 12/24/2024
SHEET NUMBER:
C-207



Plot: 4/12/2024 8:25 AM, Printed By: Parker Achenbach
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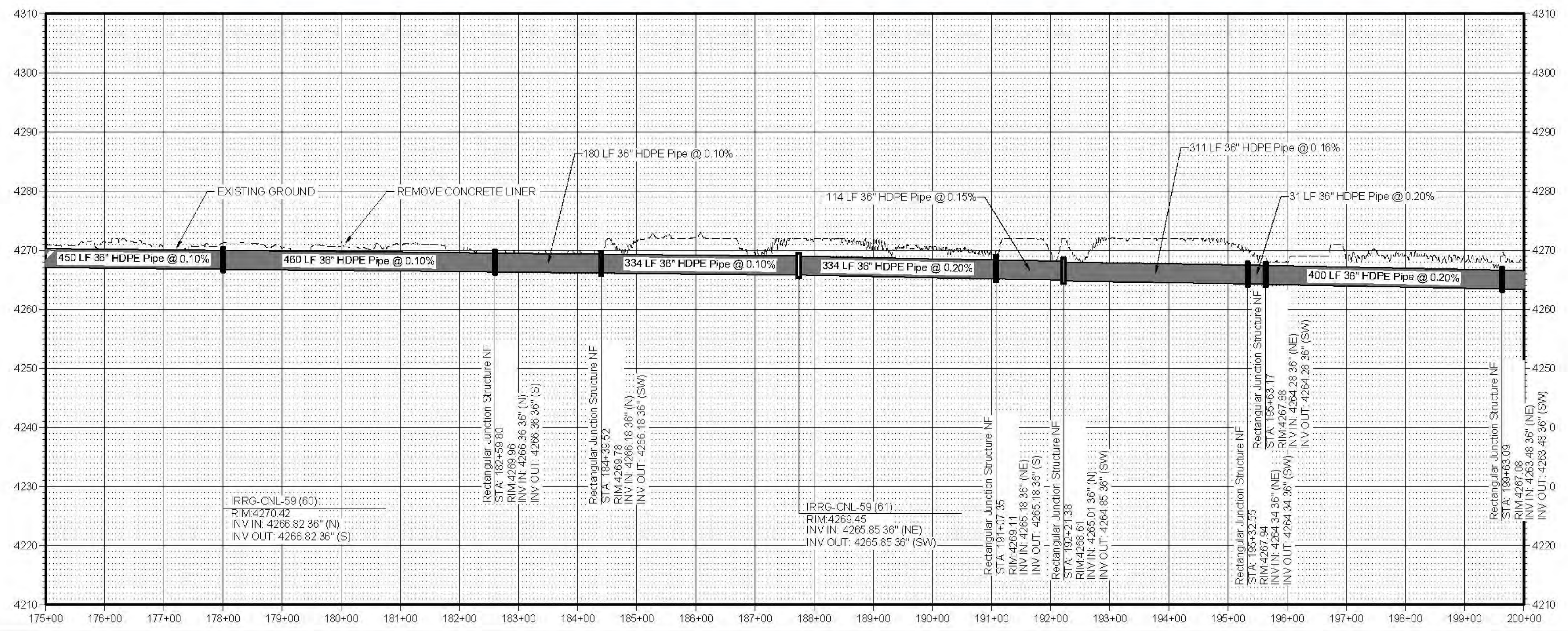
REVISION

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LOWER BEAR EIS
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FILE: 57-23-010_C-208X
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 DESIGN BY: ###
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 AT FULL SIZE, IF NOT ONE
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 LAST UPDATED: 12/24/2024

SHEET NUMBER:
C-208



Plot: 4/12/2024 8:26 AM Plotted By: Parker Achenbach
 Date Checked: 12/23/2024 JUB\CENTRAL CANAL COMPANY\DESIGN\CENTRAL CANAL COMPANY\CAD\DESIGN\57-23-010_C-208X.DWG



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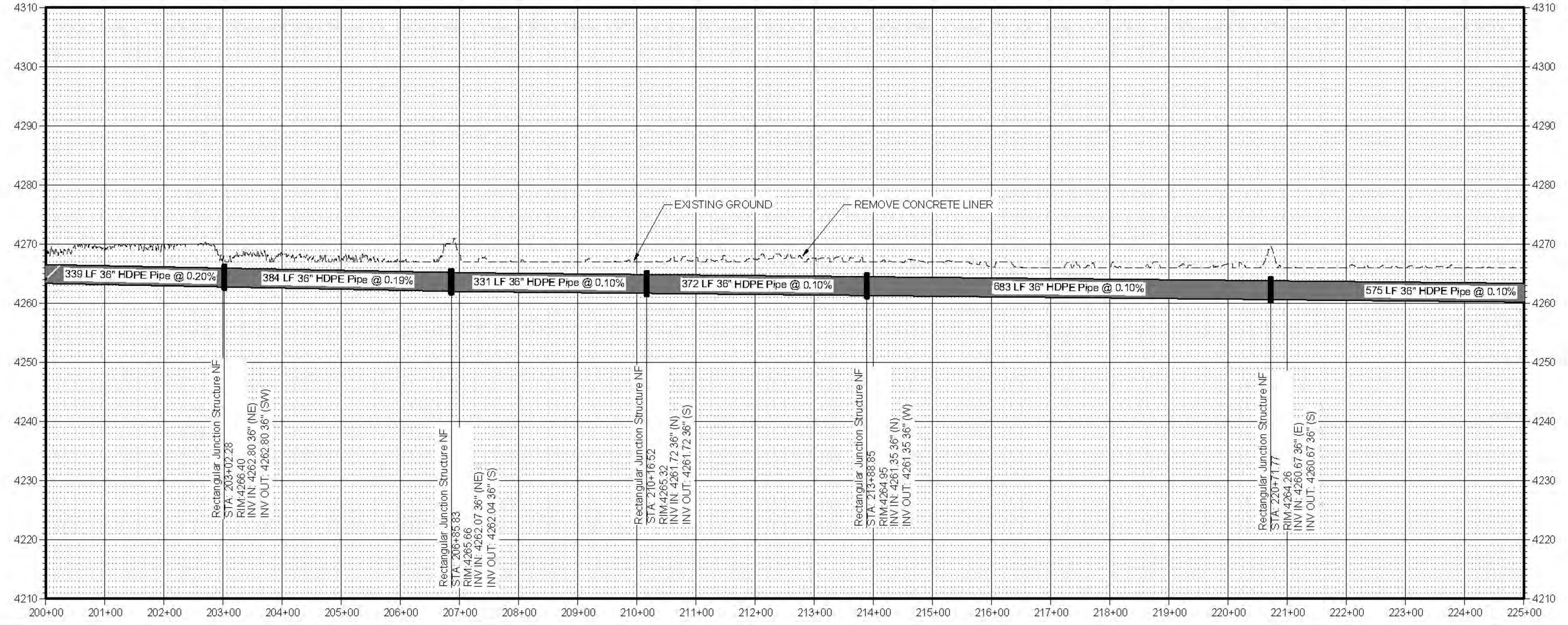


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Plot: 26/12/2024 8:37 AM Plotted By: Parker Ahenbush Date Created: 12/23/2024 10:52:23:00 - LOWER BEAR WATER SHED EIS DESIGN CENTRAL CANAL COMPANY CAD SHEET C-209.DWG



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FILE: 57-23-010_C-201X
JOB PROJ: # 57-23-010
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LAST UPDATED: 12/24/2024
SHEET NUMBER:
C-209



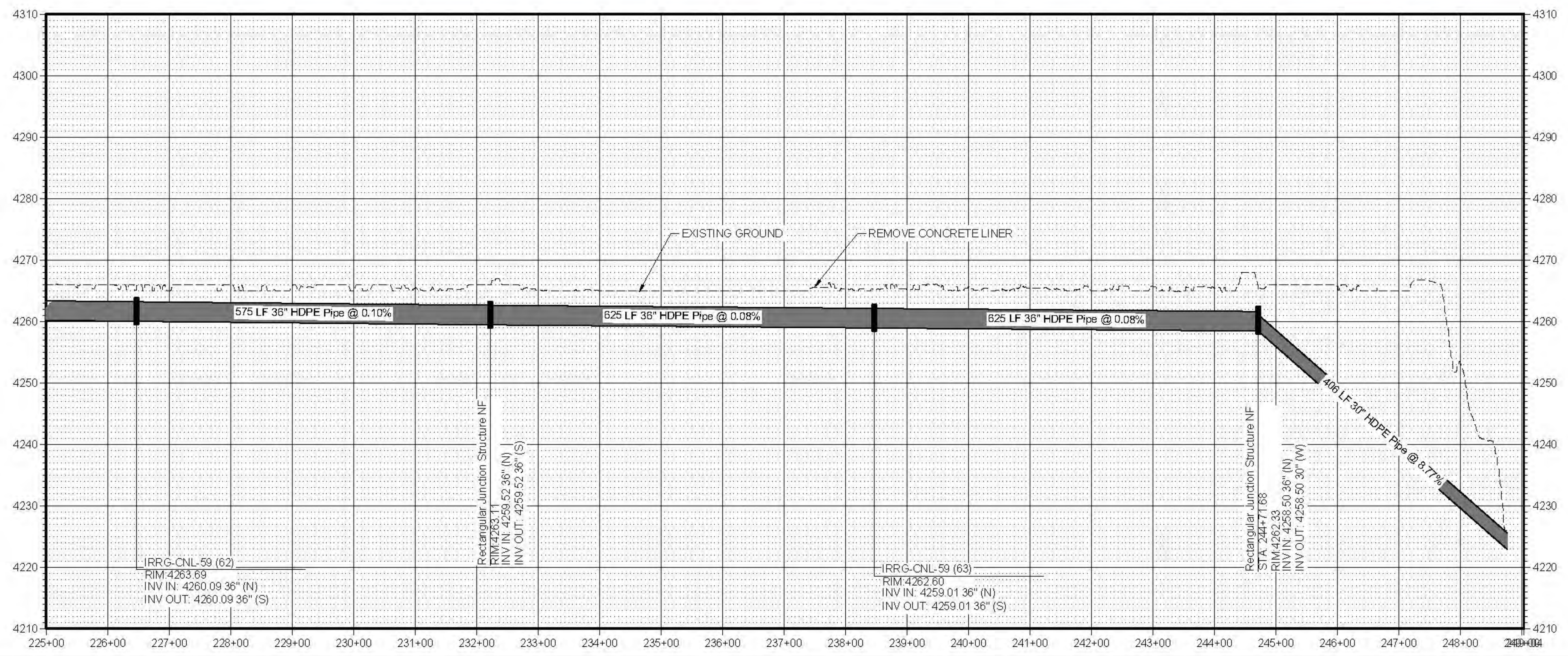
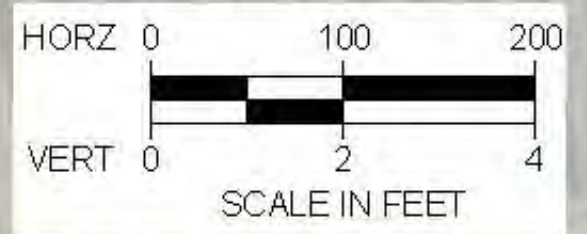
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FILE: 57-23-010 C-201X
 JOB PROJ: # 57-23-010
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C-210



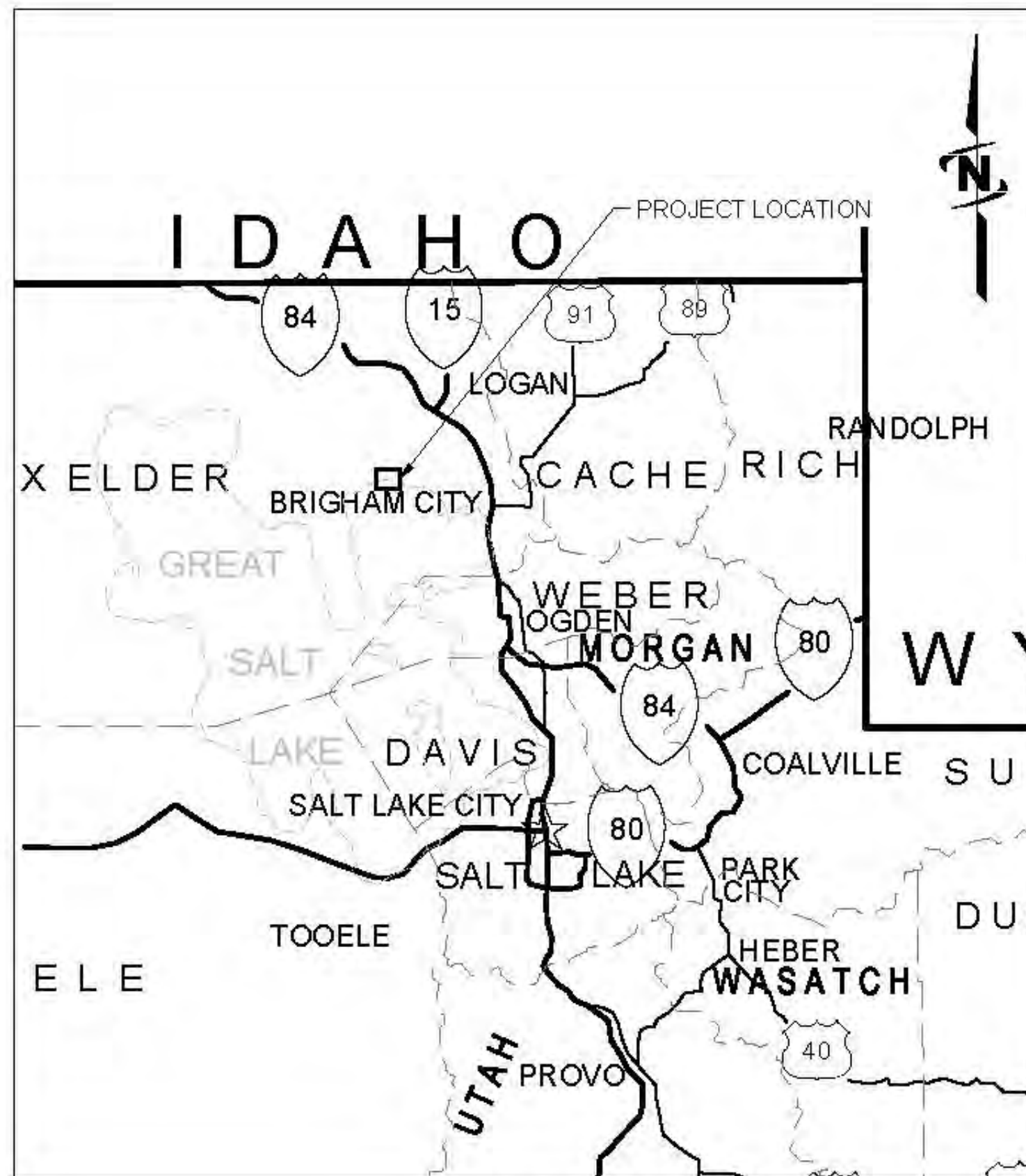
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 Date: 06/12/2024 08:59 AM. Central Canal Company Piping Design File: 57-23-010 - Lower Bear River Watershed EIS Design File: 57-23-010 - C-201X.DWG

LOWER BEAR RIVER EIS

BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION



AREA MAP



VICINITY MAP



Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVERSHEET
G-002	LINE LEGEND AND DETAIL KEY
CIVIL	
C-100	SHEET INDEX
C-101	LEVEE IMPROVEMENT AREAS
C-102	LEVEE IMPROVEMENT AREAS
C-103	LEVEE IMPROVEMENT AREAS
C-104	LEVEE IMPROVEMENT AREAS
C-501	LEVEE TYPICAL SECTION

PROJECT NO. 57-23-010



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LINE LEGEND AND DETAIL KEY

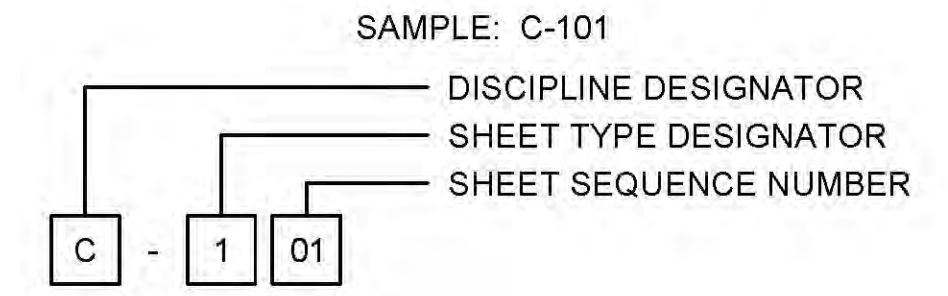
FILE: 57-23-010_BRDC_G-003
JUB PROJ #: 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE, ACCORDINGLY
LAST UPDATED: 10/23/2024
SHEET NUMBER:
G-002

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	UP
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	UT
FIBER OPTIC	F/O	F/O
CABLE TELEVISION	CTV	CTV
UNDERGROUND POWER, TEL, CABLE TV		P,T,CTV
UNDERGROUND POWER, TEL, CABLE TV, GAS		P,T,CTV,G
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X*SD	X*SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X*SS	X*SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X*W	X*W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPC	HPC
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE	X	X
MAJOR CONTOUR	2521	
MINOR CONTOUR		
GRADE BREAK		GB
TOP OF BANK		TOB
TOE OF SLOPE		TOE
CUT LIMITS		
CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS	FILL	
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		BOG
WETLAND MARSH		MRSW
WETLAND SWAMP		SWMP
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

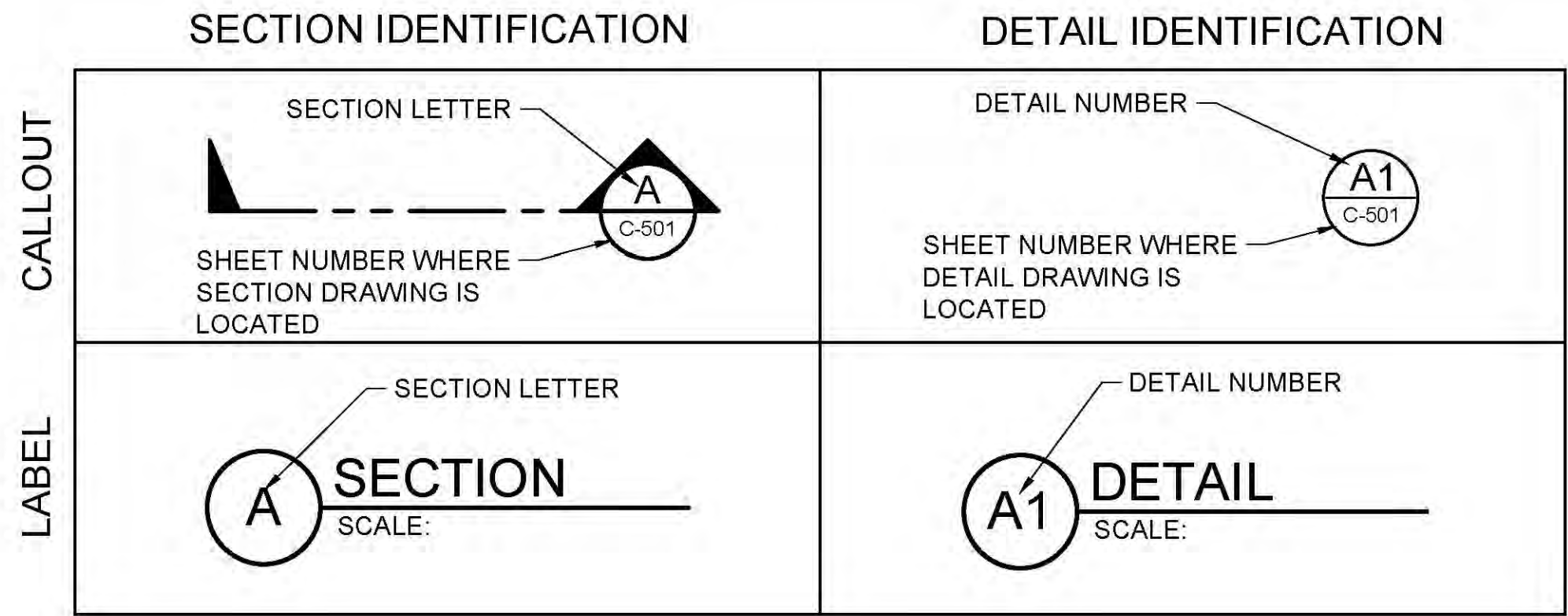


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.



File Date: 10/23/2024 10:33 AM Plotted By: Parker Achenbach
 Date Created: 9/27/2024 JUB-CENTRAL-CALIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-EIS-DESIGN-DUCKS-UNLIMITED-CAD-SHEET-APPROPRIATION-SZ-23-010-DRDC-G-003.DWG



J-U-B ENGINEERS, INC.
1047 South 100 West
Suite 180
Logan, UT 84321
Phone: 435.713.9514
www.jub.com

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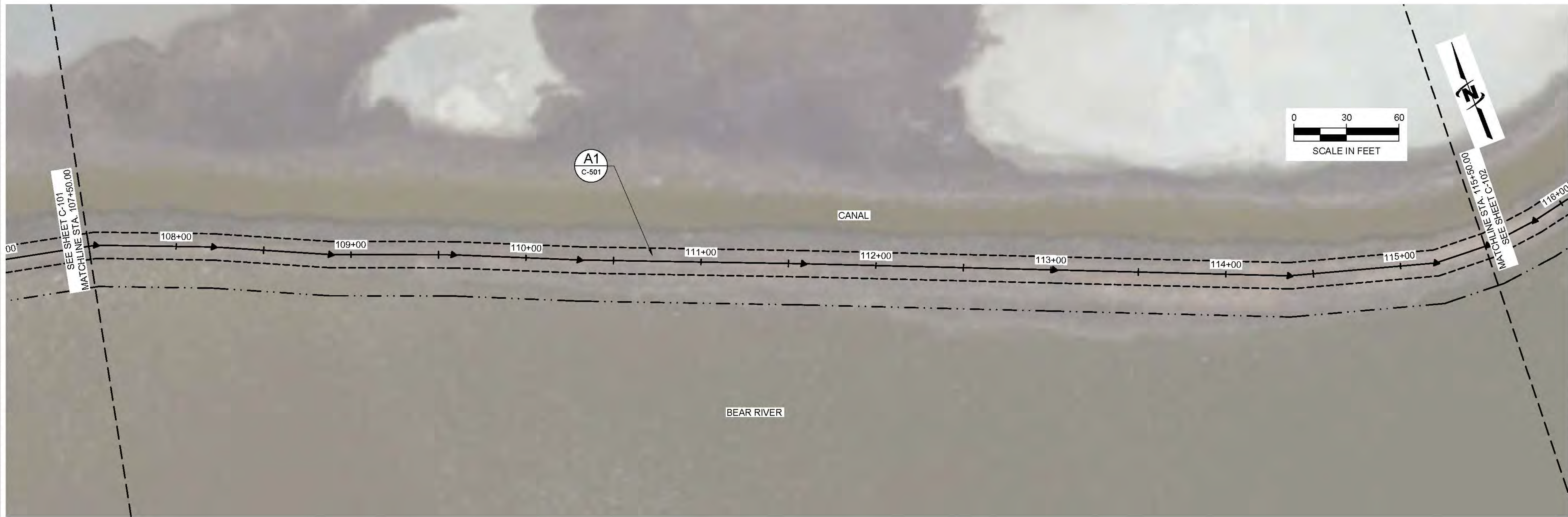
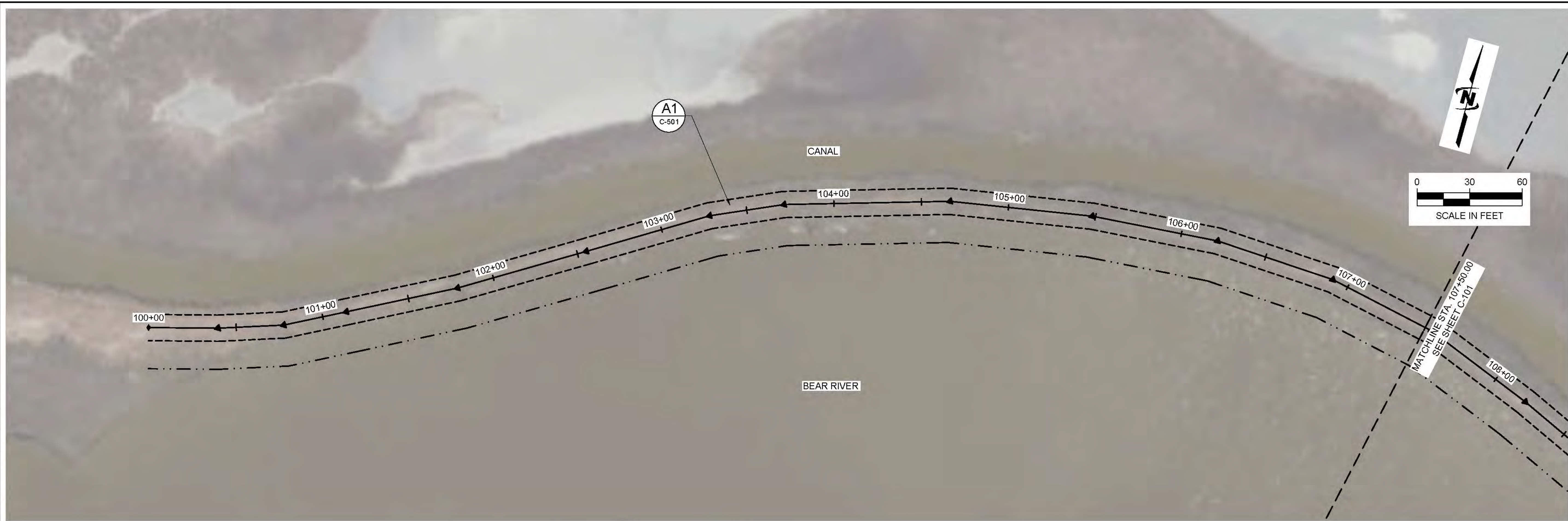
NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS
SHEET INDEX

FILE: 67-23010 BEARRIVERCLUB ALIGNMEN
JUB PROJ. #: 57-23-010
DRAWN BY: ##
DESIGN BY: ##
CHECKED BY: ##
ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/8/2024
SHEET NUMBER:
C-100



Plot Date: 10/25/2024 10:33 AM Printed By: Parker Achenbach
Data Created: 10/27/2024 JUB.COM\CENTRAL\CLIENTS\UT\BEARRIVERWATER CONSERVANCY\DISTRICT\PROJECTS\67-23-010 LOWER BEAR WATERSHED DESIGN\DCAD\MODEL\PP\67-23-010 BEARRIVERCLUB ALIGNMENT.DWG




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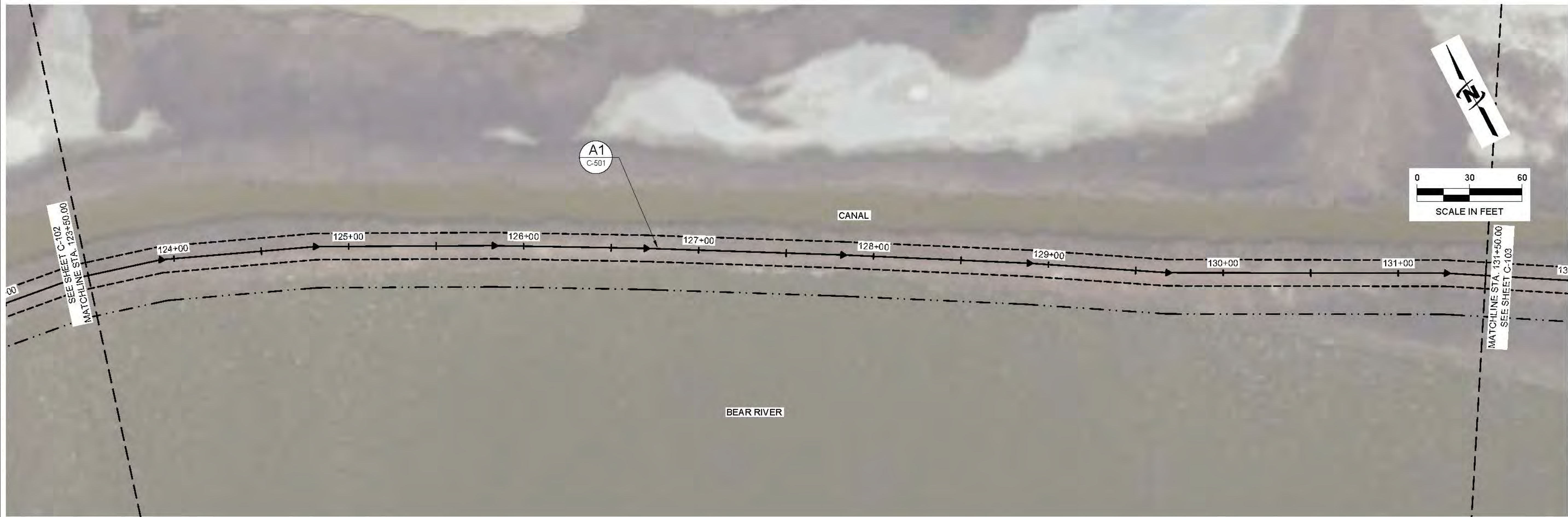
REVISION

NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS
 LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_BEARRIVERCLUB_ALIGNMENT.DWG
 JUB PROJ # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/8/2024
SHEET NUMBER:
C-101

Plot Date: 10/25/2024 10:33 AM Plotted By: Parker Adenbach
 Date Created: 9/27/2024 J:\JUB.COM\CENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVATION\PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED\DESIGN\LIMITED\CAD\MODEL\RP\57-23-010_BEAR RIVER CLUB_ALIGNMENT.DWG



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PRELIMINARY PLANS
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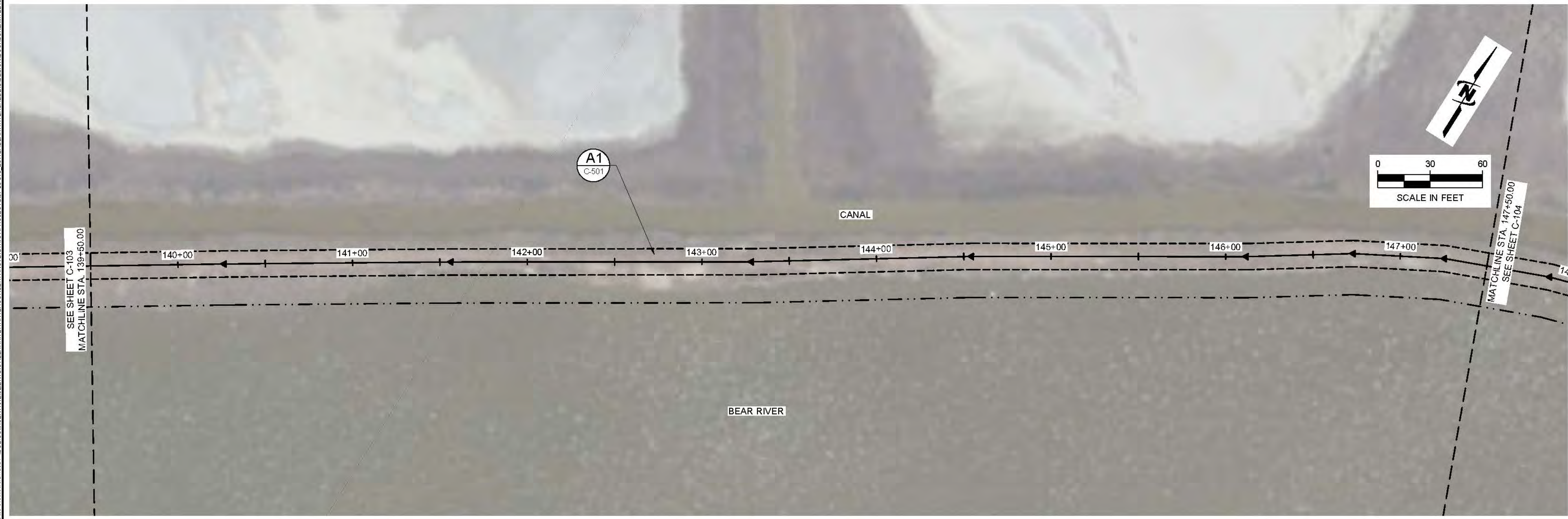
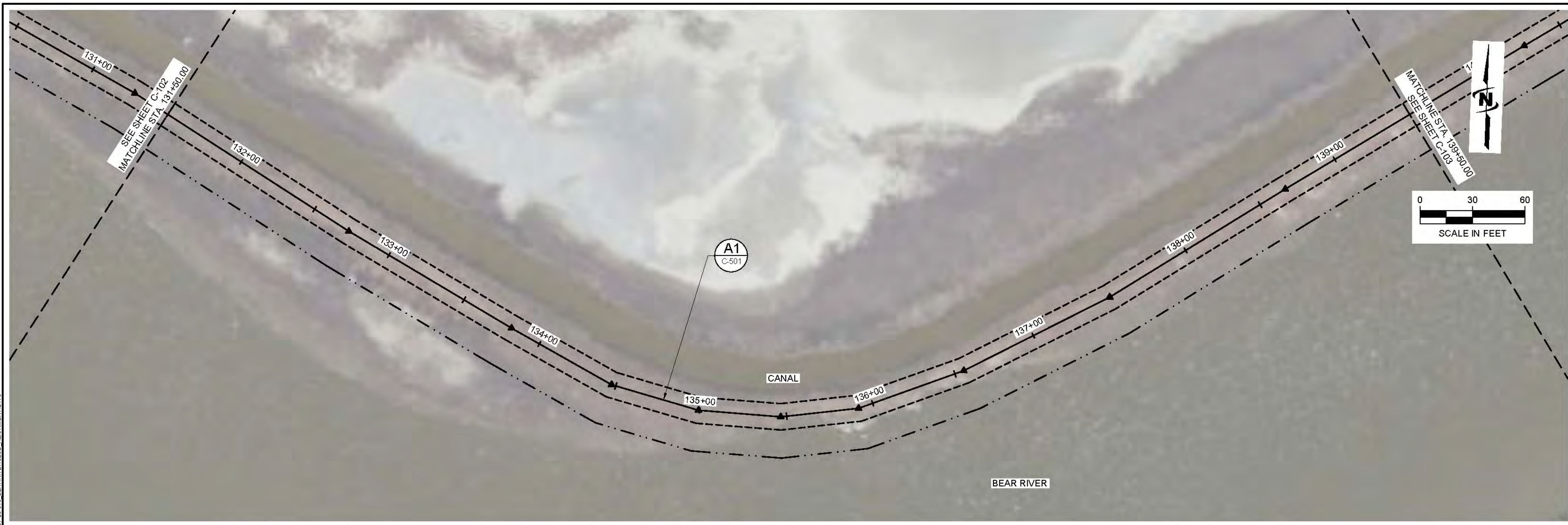
REUSE OF DRAWINGS
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NO.	REVISION	DESCRIPTION	BY	DATE

**LOWER BEAR RIVER EIS
 BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS**
 LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_BEARRIVERCLUB_ALIGNMENT.DWG
 JUB PROJ. #: 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH SCALE AS INDICATED
 LAST UPDATED: 10/8/2024
 SHEET NUMBER:
C-102

Plot Date: 10/25/2024 10:33 AM Plotted By: Parker Achtembach
 Date Created: 9/27/2024 J:\JUB\COMM\CENTRAL\Clients\UT\BEAR\RR\WATER\CONSERVATION\DISTRICT\PROJECTS\57-23-010_LOWERBEARWATERSHED\DESIGN\BLOCKS\LIMITED\CAD\MODEL\RR\PA67-23-010_BEARRIVERCLUB_ALIGNMENT.DWG



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REVISION

NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS
 LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_BEARRIVERCLUB_ALIGNMENT.DWG
 JUB PROJ # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE AS SHOWN
 LAST UPDATED: 10/8/2024
 SHEET NUMBER:
C-103

Plot Date: 10/25/2024 10:33 AM | Plotted By: Parker Achenbach
 Date Created: 02/27/2024 | \\JUB-COM\CENTRAL\Clients\UT\BEAR RIVER\WATER\CONSERVATION\PROJECT\57-23-010_LOWER BEAR RIVER\DESIGN\DWGS\LIMITED\CAD\MODEL\PRP\57-23-010_BEAR RIVER\CLUB_ALIGNMENT.DWG

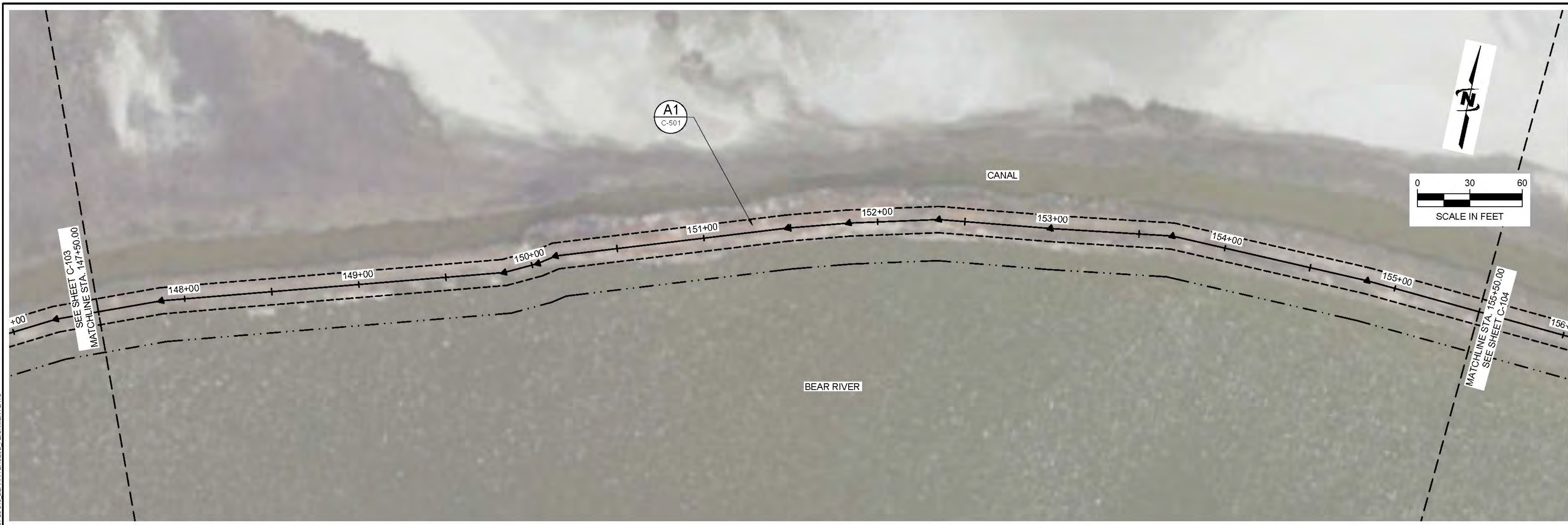


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PRELIMINARY PLANS
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NO.	REVISION	DESCRIPTION	BY	DATE



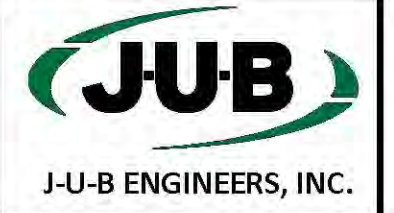
LOWER BEAR RIVER EIS
BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_BEARRIVERCLUB_ALIGNMENT
JUB PROJ # 57-23-010
DRAWN BY: ###
DESIGNED BY: ###
CHECKED BY: ###

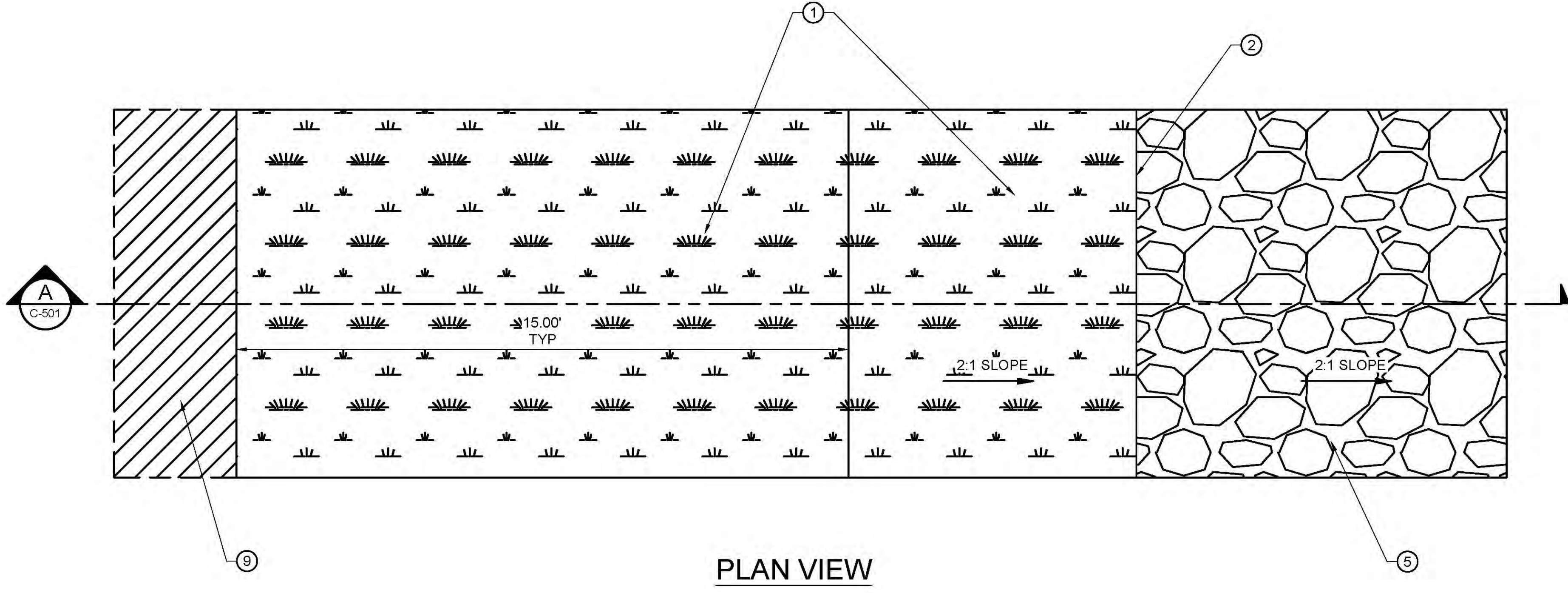
ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/9/2024

SHEET NUMBER:
C-104

Plot Date: 10/25/2024 10:33 AM Plotted By: Parker Achenbush
Date Created: 9/27/2024 JUB.COM\CENTRAL\Clients\UT\BEAR RIVER\WATER CONSERVATION\DISTRICT\PROJECT\57-23-010_LOWER BEAR WATERSHED\DESIGN\CLUB\LIMITED\CAD\MODEL\PRIPAP67-23-010_BEAR RIVER\CLUB_ALIGNMENT.DWG

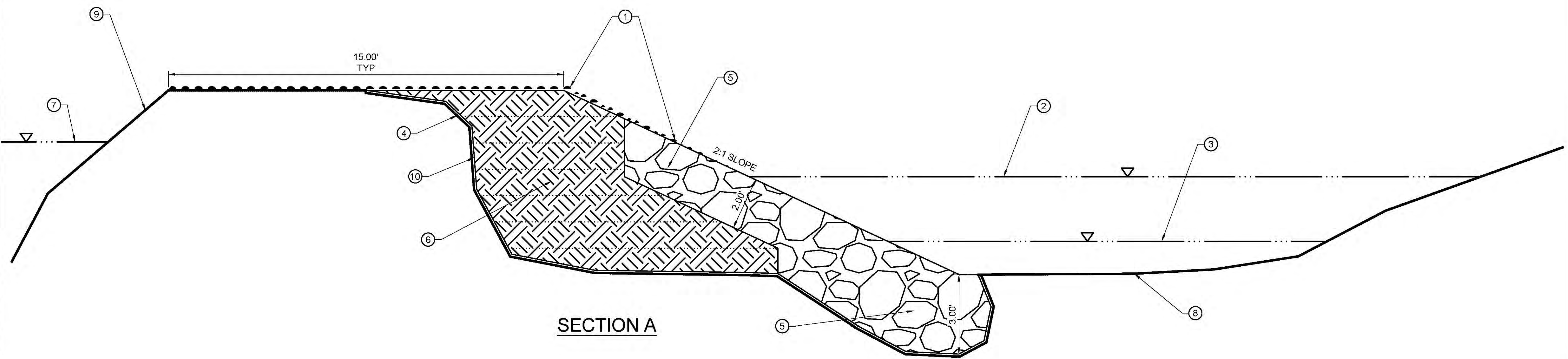


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PLAN VIEW

- KEY NOTES:
- ① 3" TOPSOIL, SEED WITH HARDSTEM, BULLRUSH, 3 SQUARE, OR SALTGRASS
 - ② TYPICAL HIGH WATER MARK
 - ③ TYPICAL LOW WATER MARK
 - ④ TYPICAL EXISTING RIVER BANK
 - ⑤ 18" ROCK RIP RAP, 2' DEEP AT 2:1 SLOPE. KEY INTO RIVER BED. FILL WITH TOPSOIL ABOVE HIGH WATER MARK
 - ⑥ COMPACTED STRUCTURAL FILL, FILL IN 1' LIFTS
 - ⑦ TYPICAL CANAL WATER SURFACE
 - ⑧ TYPICAL EXISTING RIVER BED
 - ⑨ UNDISTURBED LEVEE BANK
 - ⑩ NON-WOVEN GEOTEXTILE FABRIC



SECTION A

PRELIMINARY PLANS
 NOT FOR CONSTRUCTION

REUSE OF DRAWINGS
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NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 BEAR RIVER DUCK CLUB - LEVEE IMPROVEMENTS
 LEVEE TYPICAL SECTION

FILE: 57-23-010_LEVEETYPICALSECTION.BRD
JUB PROJ. #: 57-23-010
DRAWN BY: ###
DESIGNED BY: ###
CHECKED BY: ###
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024
SHEET NUMBER: C-501

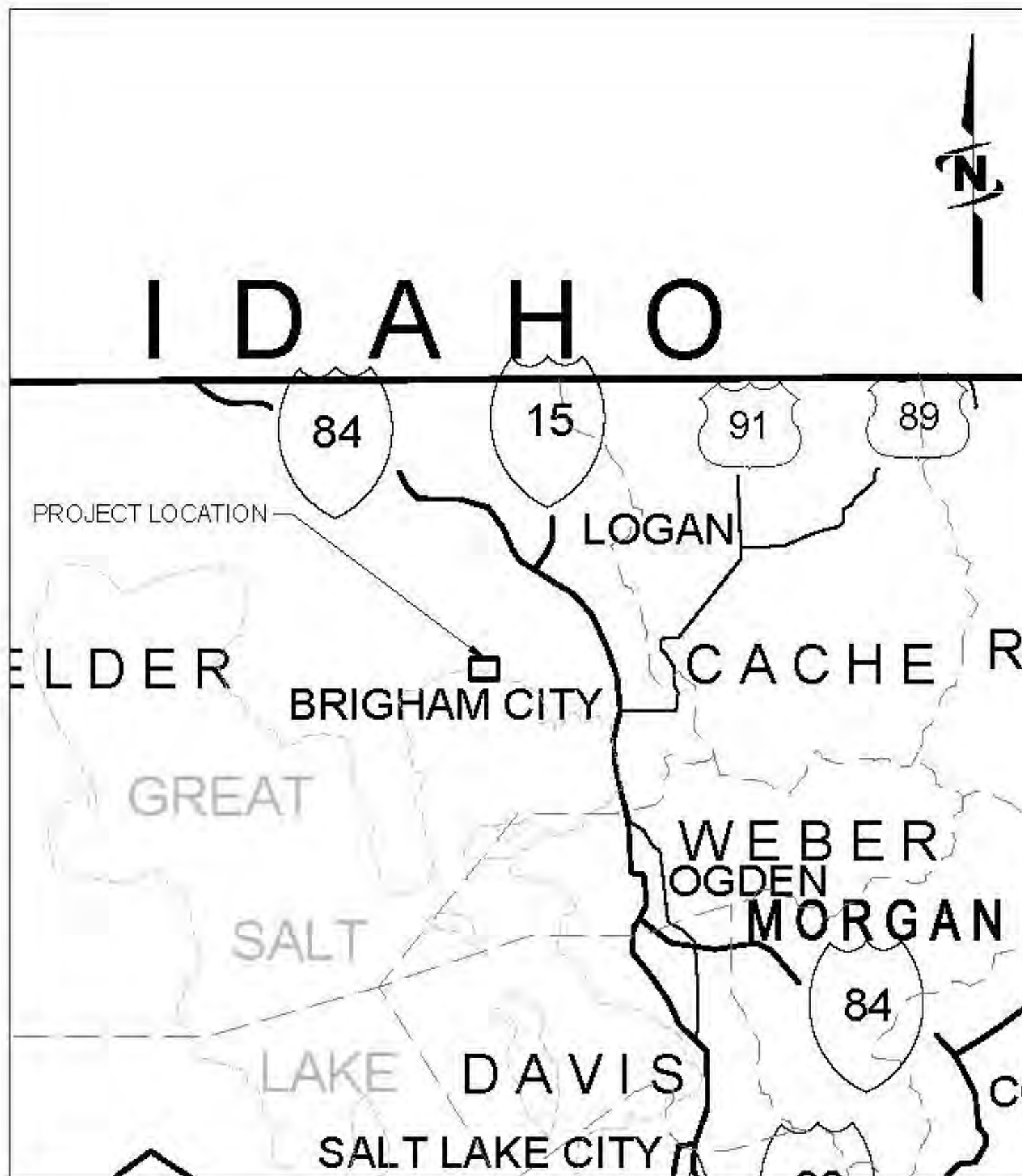
Pld: Date: 10/25/2024 10:34 AM Plotted By: Parker Achembach
 Date Created: 10/24/2024 10:34 AM JUB.COM\CENTRAL\CLIENTS\UT\BEARRIVERWATERCONSERVANCY\DISTRICT\PROJECTS\57-23-010_LOWERBEARWATERSHED\DESIGN\DUCKSUN\LIMITED\CAD\SHEET\TRIP\APP\OPTION\S\7-23-010_LEVEETYPICALSECTION.BRD.CWG

A1 LEVEE TYPICAL SECTION
 SCALE: NTS

LOWER BEAR RIVER EIS CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION



AREA MAP



VICINITY MAP



Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND AND DETAIL KEY
CIVIL	
C-100	SHEET INDEX
C-101	LEVEE IMPROVEMENT AREAS
C-102	LEVEE IMPROVEMENT AREAS
C-103	LEVEE IMPROVEMENT AREAS
C-501	LEVEE TYPICAL SECTION

PROJECT NO. 57-23-010



J-U-B ENGINEERS, INC.

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THE
LANGDON
GROUP



GATEWAY
MAPPING
INC.

J-U-B FAMILY OF COMPANIES

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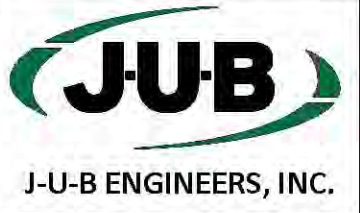
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LAST UPDATED: 10/25/2024
SHEET NUMBER:

G-001

Plot Date: 10/25/2024 \\JUB-COM\CENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVANCY\DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER\DESIGN\INDUC\UNLIMITED\CAD\ASHEET\RIIP\PROJECTS\57-23-010_CHC_G-001.DWG



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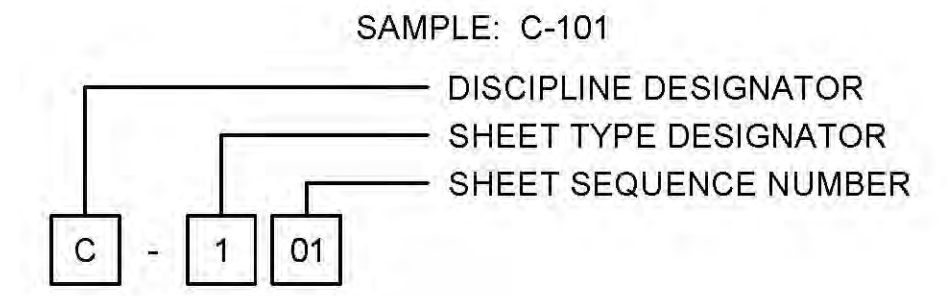
J-U-B ENGINEERS, INC.
1047 South 100 West
Suite 180
Logan, UT 84321
Phone: 435.713.9514
www.jub.com

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	UP
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	UT
FIBER OPTIC	F/O	F/O
CABLE TELEVISION	CTV	CTV
UNDERGROUND POWER, TEL, CABLE TV		P,T,CTV
UNDERGROUND POWER, TEL, CABLE TV, GAS		P,T,CTV,G
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X*SD	X*SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X*SS	X*SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X*W	X*W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPC	HPC
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE	X	X
MAJOR CONTOUR	2521	
MINOR CONTOUR		
GRADE BREAK		GB
TOP OF BANK		TOB
TOE OF SLOPE		TOE
CUT LIMITS		
CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS	FILL	
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		BOG
WETLAND MARSH		MRSW
WETLAND SWAMP		SWMP
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

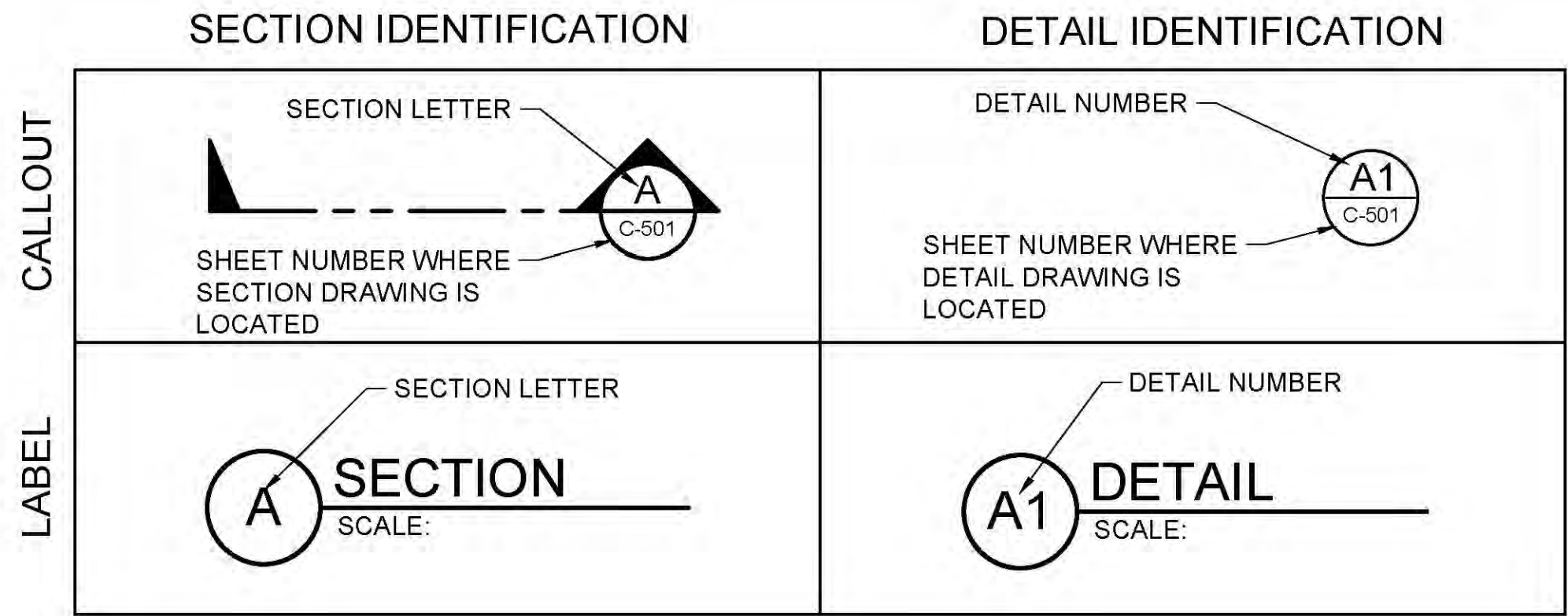


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.



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LOWER BEAR RIVER EIS
CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS

LINE LEGEND AND DETAIL KEY

FILE: 57-23-010_CHC_G-003
JUB PROJ #: 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/23/2024
SHEET NUMBER: G-002

File Date: 10/23/2024 10:40 AM Plotted By: Parker Aobambach
 Date Created: 9/27/2024 JUB-CENTRAL-CALCULATED-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-EIS-DESIGN-DUCKS-UNLIMITED-CAD-DRAWING-APPROPRIATION-57-23-010-CHC-G-003.DWG



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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS
SHEET INDEX

FILE: 571010.CHESAPEAKECLUB.ALIGNME
JUB PROJ: 57-22-D-0
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DESIGN BY: ##
CHECKED BY: ##
ONE INCH
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LAST UPDATED: 10/2/2024
SHEET NUMBER:
C-100



Plot Date: 10/25/2024 10:40 AM. Plotted By: Parker Ashenbush
Date Created: 02/27/2024. JUB.COM/CENTRAL/CUSTOMERS/TIBEARRIVER/WATERCONSERVANCY/DISTRICT/PROJECTS/57-22-D-010_LOWERBEARWATERSHEDDESIGN/CD/SUBMITTED/57-22-D-010_CHEESAPEAKECLUB_ALIGNMEN.TDWG



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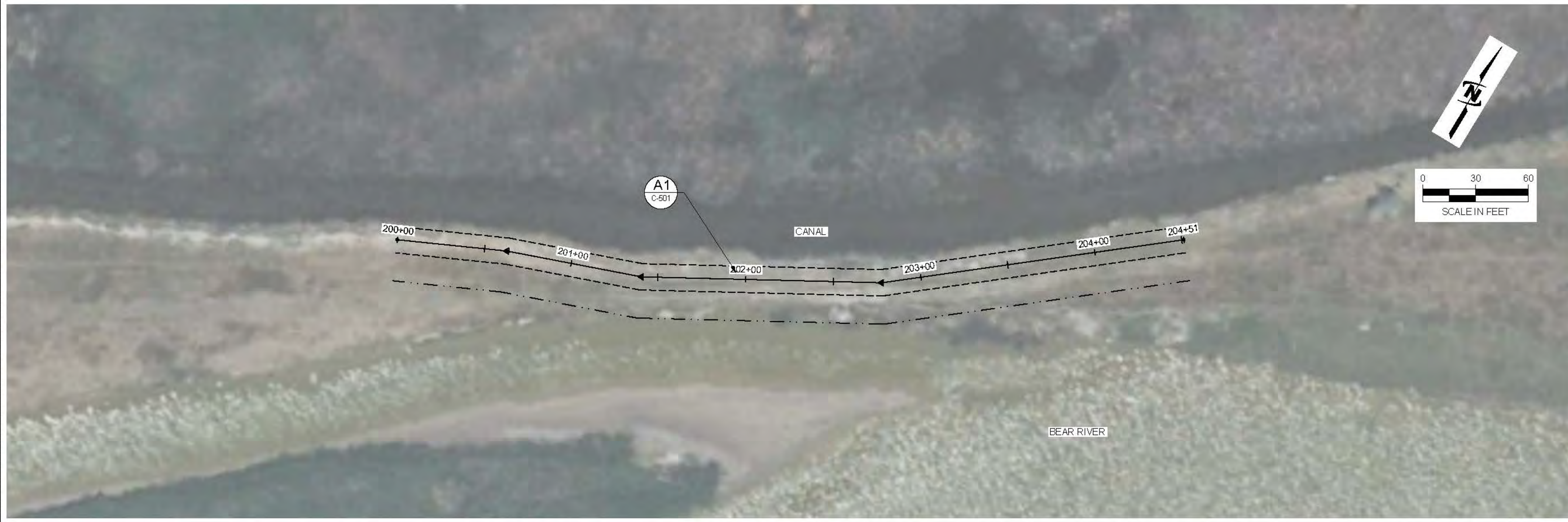
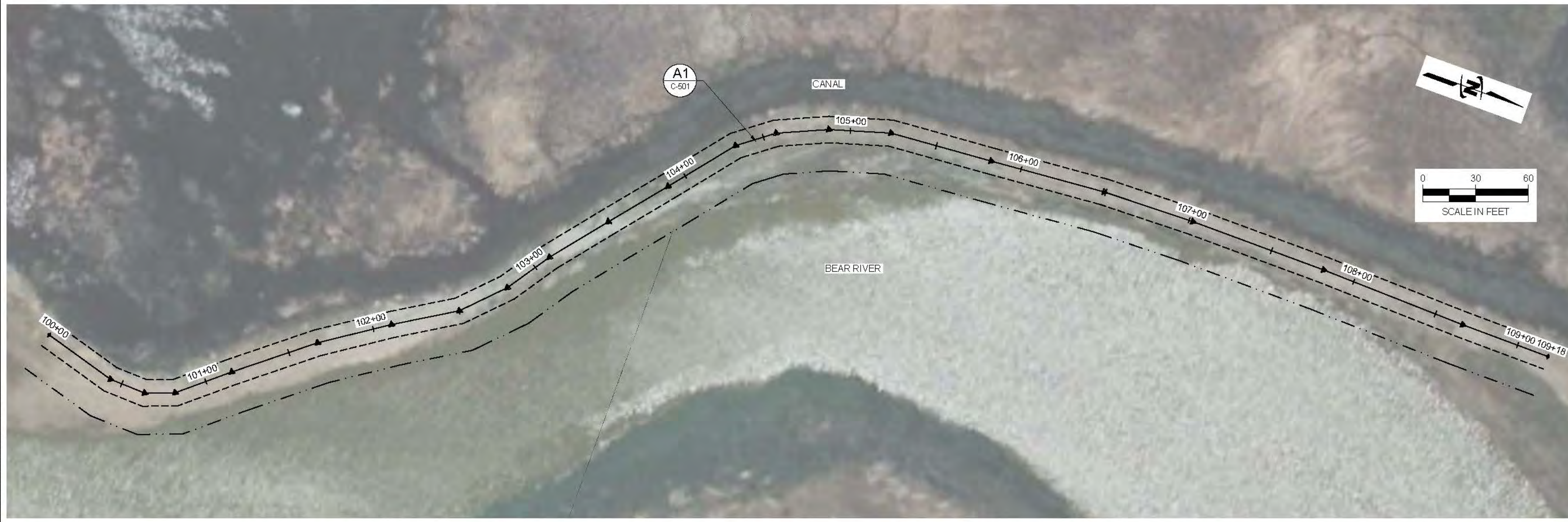
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LOWER BEAR RIVER EIS
CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

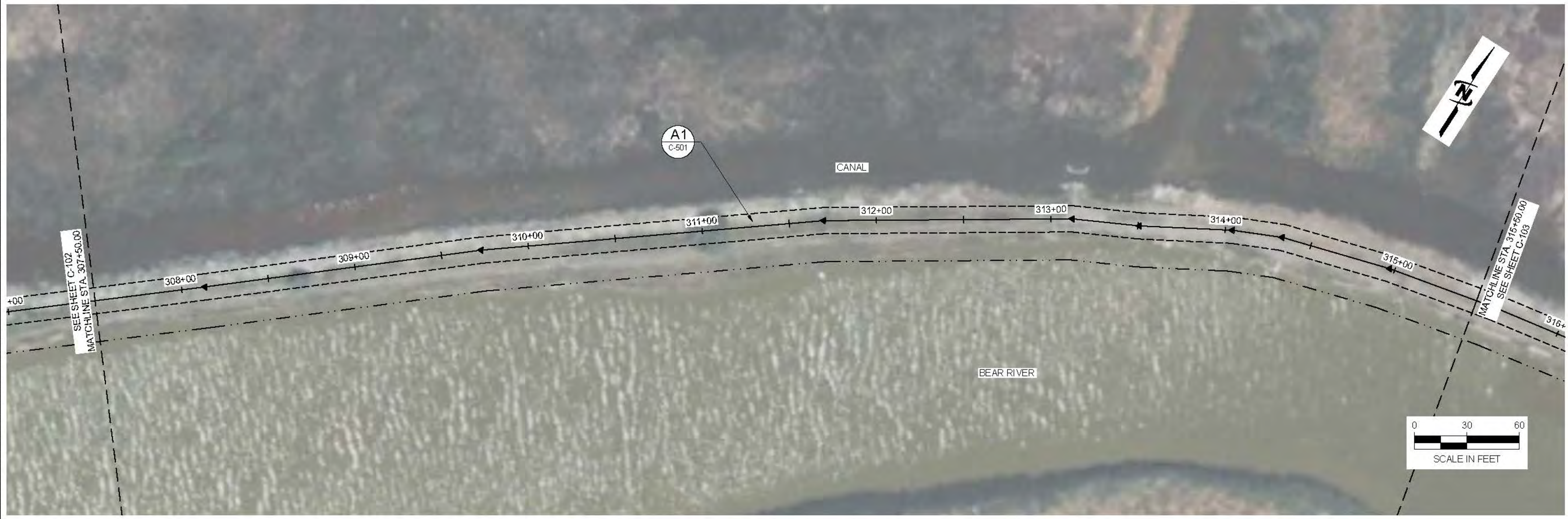
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 DRAWN BY: ###
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 LAST UPDATED: 10/2/2024
 SHEET NUMBER:
C-101



Plot Date: 10/25/2024 10:40 AM. Plotted By: Parker Ashenbush
Date Created: 02/22/2024. JUB.COM\CENTRAL\CUSTOMERS\BEAR RIVER\WATER CONSERVATION\DISTRICT PROJECTS\57-22-010 LOWER BEAR RIVER\DESIGN\DWGS\LIMITED C-101 MODEL\PRAP67-23-D-10-CHESAPEAKECLUB_ALIGNMNT.DWG



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CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

FILE: 5712010 CHESAPEAKECLUB ALIGNMENT
 JUB PROJ: 57-22-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/2/2024
 SHEET NUMBER:
C-102

Plot Date: 10/25/2024 10:40 AM Plotter: Parker Ashenbush Date Created: 02/27/2024 JUB: COMCENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVATION\DISTRICT PROJECTS\57-22-010 LOWER BEAR WATERSHED\DESIGN\CYCLES\LIMITED C-100 MODEL\PPR\57-22-010-CHESAPEAKECLUB ALIGNMENT.DWG



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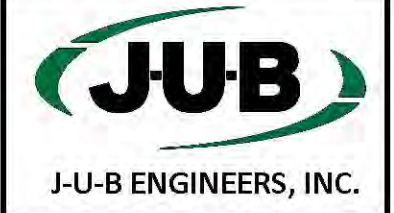
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NO.	DESCRIPTION	BY	DATE

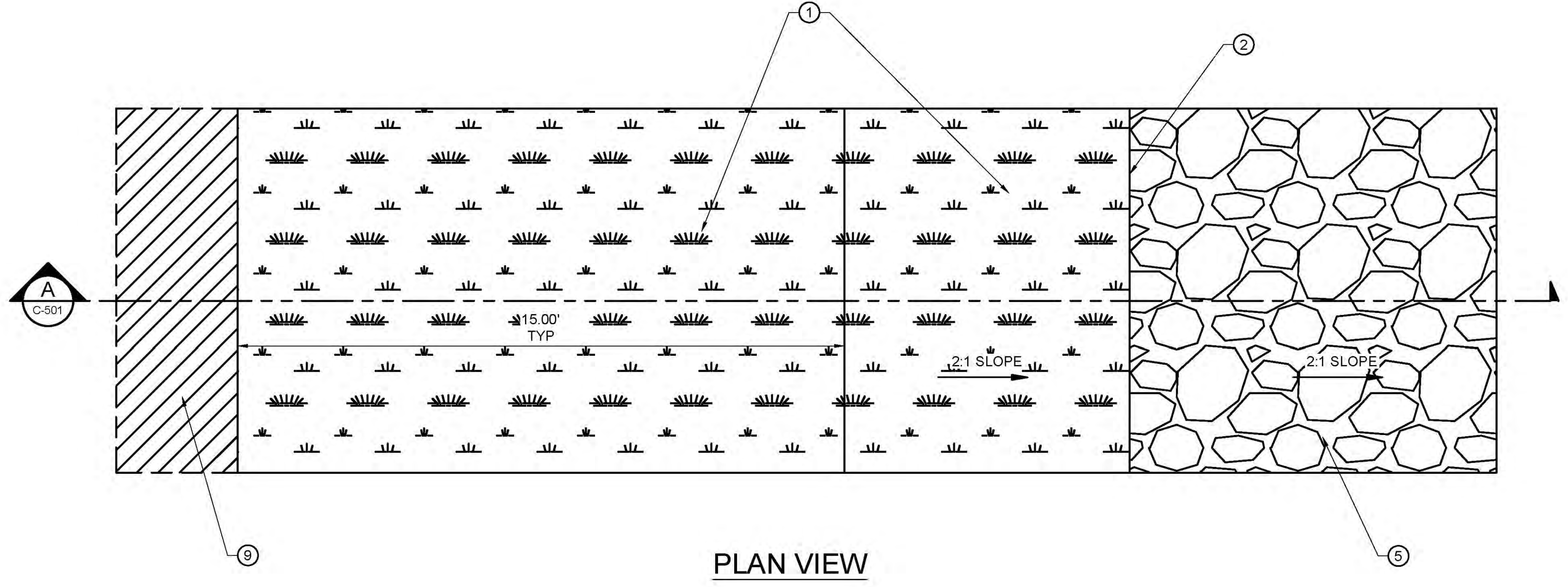
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CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS
 LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_CHESAPEAKECLUB_ALIGNMEN
 JUB PROJ #: 57-23-010
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 DESIGN BY: ###
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 AT FULL SIZE, IF NOT ONE
 INCH, SCALE ACCORDINGLY.
 LAST UPDATED: 10/8/2024
 SHEET NUMBER:
C-103

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 Date Created: 9/27/2024 J:\JUB\CENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVATION\DISTRICT\PROJECTS\57-23-010 LOWER BEAR RIVER\DESIGN\DWG\JUB\LIMITED\CD\MDC\BEAR\57-23-010_CHESAPEAKECLUB_ALIGNMEN.DWG



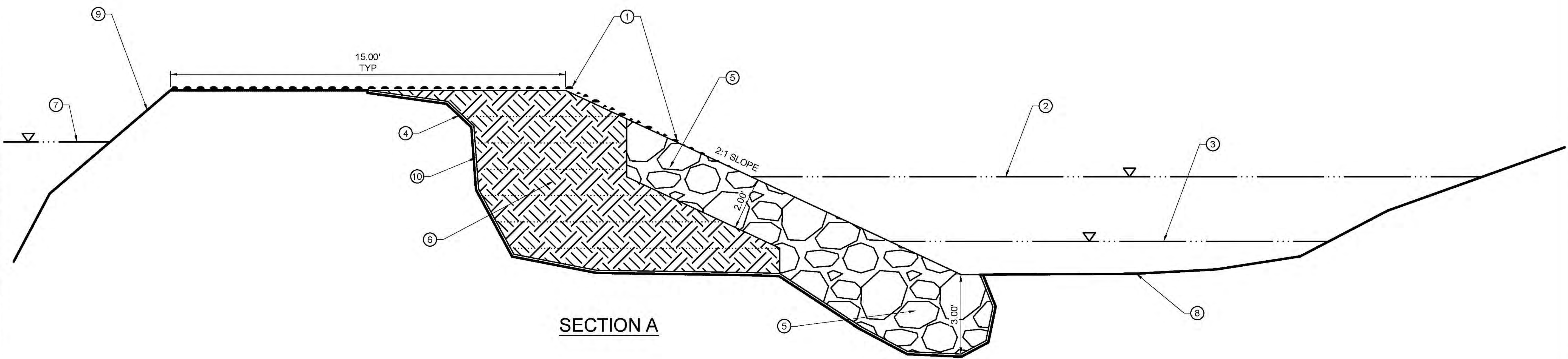
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PLAN VIEW

KEY NOTES:

- ① 3" TOPSOIL. SEED WITH HARDSTEM, BULLRUSH, 3 SQUARE, OR SALTGRASS
- ② TYPICAL HIGH WATER MARK
- ③ TYPICAL LOW WATER MARK
- ④ TYPICAL EXISTING RIVER BANK
- ⑤ 18" ROCK RIP RAP, 2' DEEP AT 2:1 SLOPE. KEY INTO RIVER BED. FILL WITH TOPSOIL ABOVE HIGH WATER MARK
- ⑥ COMPACTED STRUCTURAL FILL, FILL IN 1' LIFTS
- ⑦ TYPICAL CANAL WATER SURFACE
- ⑧ TYPICAL EXISTING RIVER BED
- ⑨ UNDISTURBED LEVEE BANK
- ⑩ NON-WOVEN GEOTEXTILE FABRIC



SECTION A

PRELIMINARY PLANS

NOT FOR CONSTRUCTION

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LOWER BEAR RIVER EIS
 CHESAPEAKE HUNTING CLUB LEVEE IMPROVEMENTS

LEVEE TYPICAL SECTION

FILE: 57-23-010_LEVEETYPICALSECTIONCH
 JUB PROJ. #: 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/24/2024

SHEET NUMBER:
C-501

Plot Date: 10/25/2024, 10:41 AM. Plotted By: Parker, Ashrehabach
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A1 LEVEE TYPICAL SECTION
 SCALE: NTS

LOWER BEAR RIVER EIS SALT CREEK WMA - LEVEE IMPROVEMENTS

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION

Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND AND DETAIL KEY
CIVIL	
C-100	SHEET INDEX
C-101	LEVEE IMPROVEMENT AREAS
C-102	LEVEE IMPROVEMENT AREAS
C-103	LEVEE IMPROVEMENT AREAS
C-104	LEVEE IMPROVEMENT AREAS
C-105	LEVEE IMPROVEMENT AREAS
C-106	LEVEE IMPROVEMENT AREAS
C-107	LEVEE IMPROVEMENT AREAS
C-501	LEVEE TYPICAL SECTION



AREA MAP



VICINITY MAP

PROJECT NO. 57-23-010



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LAST UPDATED: 10/25/2024

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G-001

Plot Date: 10/25/2024 \\JUB-COM\CENTRAL\Clients\UT\BEAR RIVER WATER CONSERVANCY DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER\DESIGN\SALT CREEK\WMA\CD\SHHEE\N\PR\57-23-010_SC\WMA_RIPRAP_G-001.DWG



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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
SALT CREEK WMA - LEVEE IMPROVEMENTS
LINE LEGEND AND DETAIL KEY

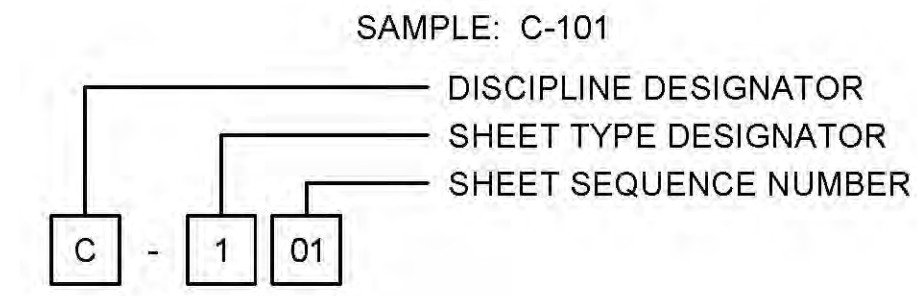
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JUB PROJ #: 57-23-010
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DESIGN BY: ###
CHECKED BY: ###
ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE, ACCORDINGLY
LAST UPDATED: 10/23/2024
SHEET NUMBER:
G-002

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	UP
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	UT
FIBER OPTIC	F/O	F/O
CABLE TELEVISION	CTV	CTV
UNDERGROUND POWER, TEL, CABLE TV		P,T,CTV
UNDERGROUND POWER, TEL, CABLE TV, GAS		P,T,CTV,G
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X*SD	X*SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X*SS	X*SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X*W	X*W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPC	HPC
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE	X	X
MAJOR CONTOUR	2521	
MINOR CONTOUR		
GRADE BREAK		GB
TOP OF BANK		TOB
TOE OF SLOPE		TOE
CUT LIMITS		
CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS	FILL	
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		BOG
WETLAND MARSH		MRSW
WETLAND SWAMP		SWMP
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

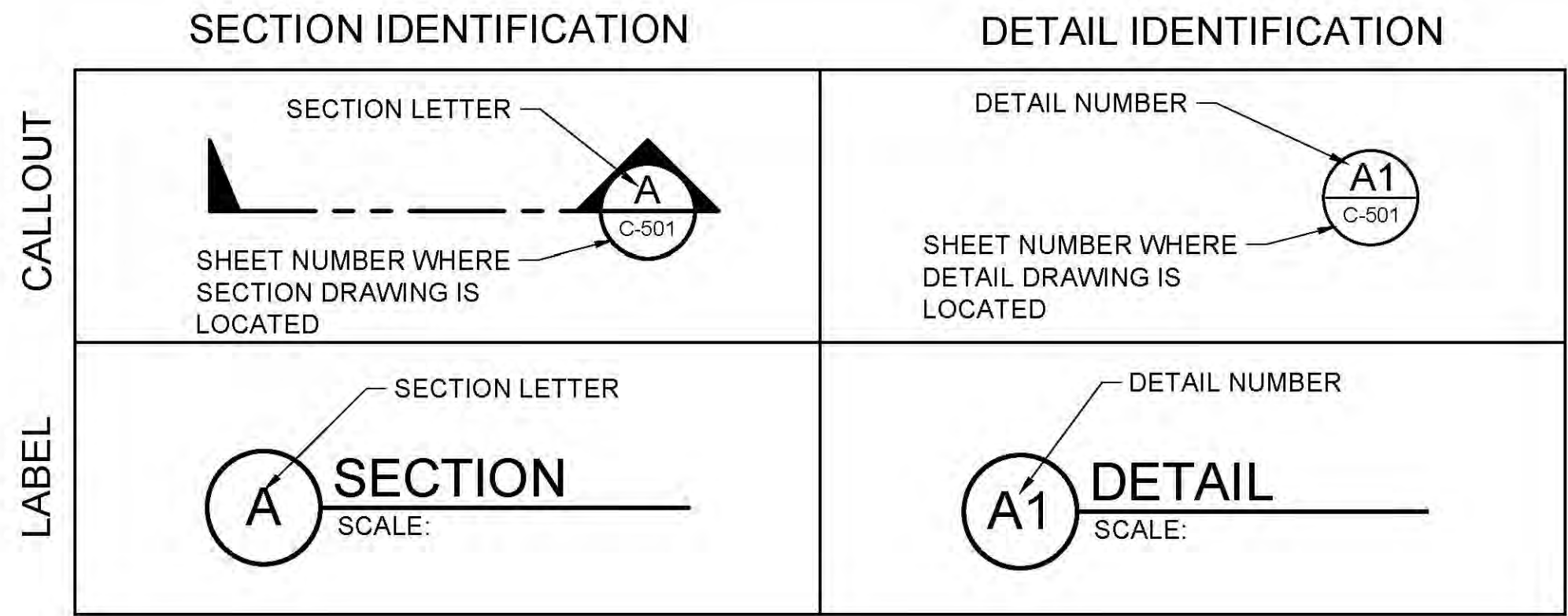


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.



File Date: 10/23/2024 10:48 AM Plotted By: Parker Achenbach
 Date Created: 10/23/2024 JUB-COMCENTRAL-CLIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-WATERSHED-DESIGNAL-CREEK-WMA-CO-SHEET-RIPRAP-23-010-SCWMA_RIPRAP_G-002.DWG



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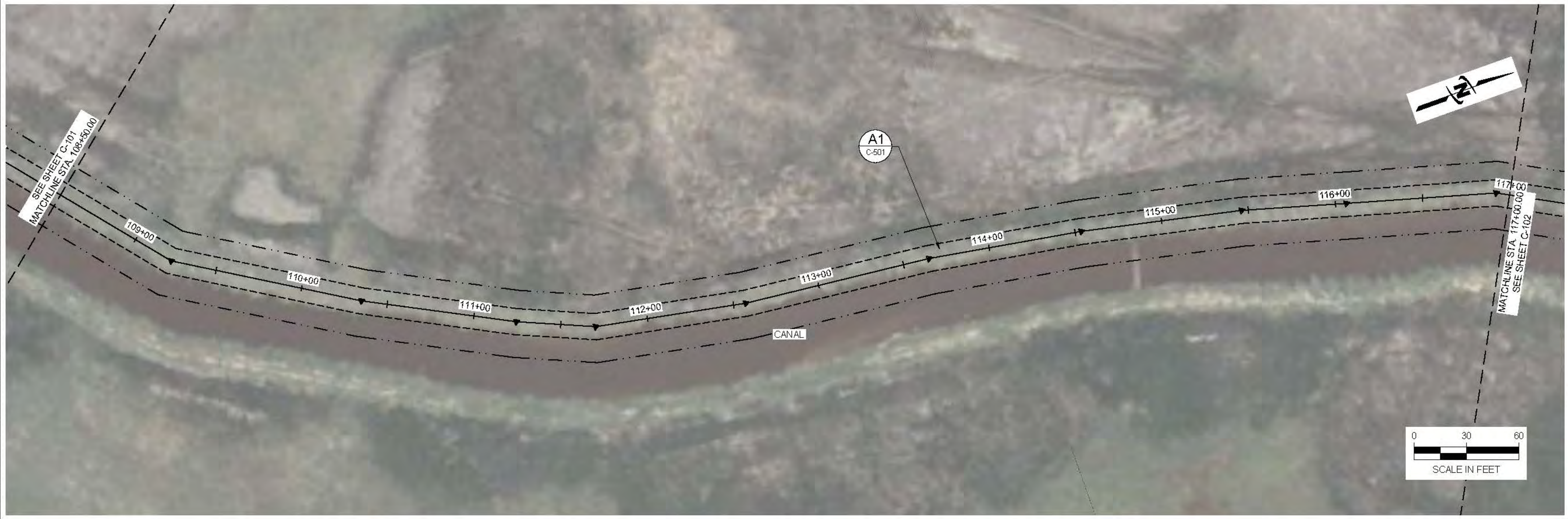
LOWER BEAR RIVER EIS
SALT CREEK WMA - LEVEE IMPROVEMENTS

FILE: 57-23-010 SCWMA RIPRAP C-100X
JUB PROJ: # 57-23-010
DRAWN BY: ###
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LAST UPDATED: 10/24/2024

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C-100



Plot1.dwg: 10/25/2024 10:46 AM. Plotted By: Parker Achenbach
Data: C:\Users\parker\OneDrive\Documents\57-23-010\57-23-010 Lower Bear River Watershed EIS\57-23-010 SCWMA RIPRAP C-100X.DWG



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LOWER BEAR RIVER EIS
SALT CREEK WMA - LEVEE IMPROVEMENTS

LEVEE IMPROVEMENT AREAS

FILE: 57-23-010 SCWMA RIPRAP C-100X
JUB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024
SHEET NUMBER:
C-101

Plot D at 10/25/2024 10:48 AM. Plotted by: Parker Schumacher
 Date: 10/25/2024 10:48 AM. Comment: JUB COMMENT TO CLIENTS OUTLINE OVER WATER CONSERVATION WMA DIS TRIC PROJECT 57-23-010 LOWER BEAR WATERSHED DESIGN AND CONSTRUCTION SHEET C-100X.DWG

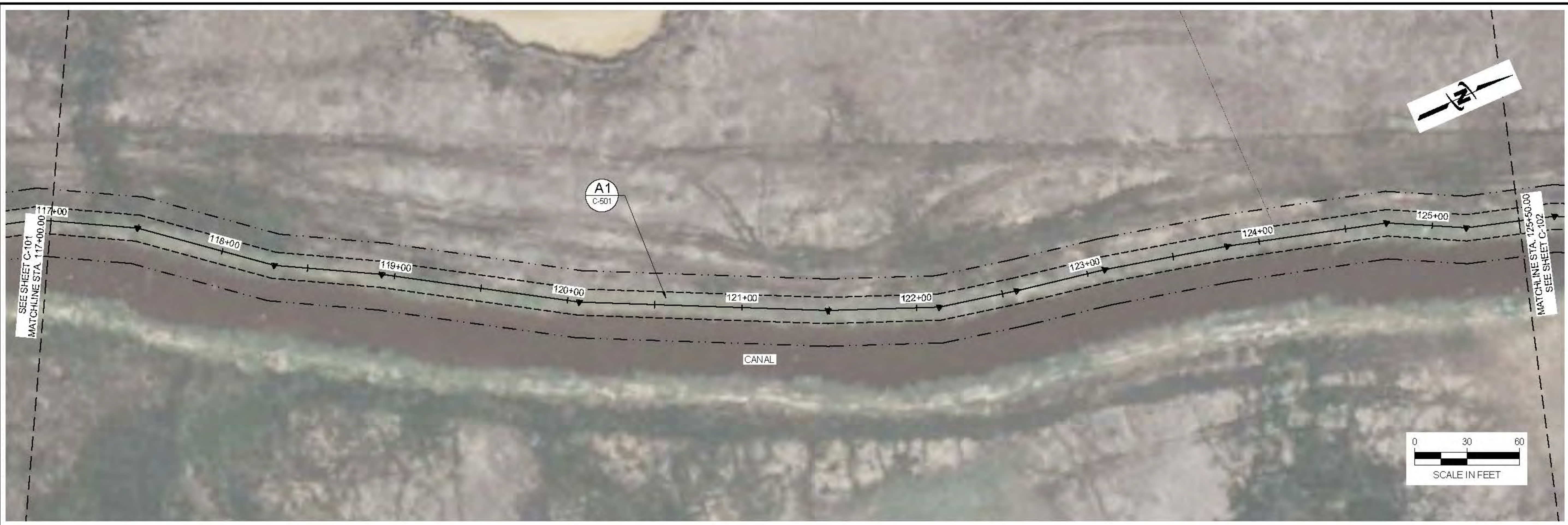


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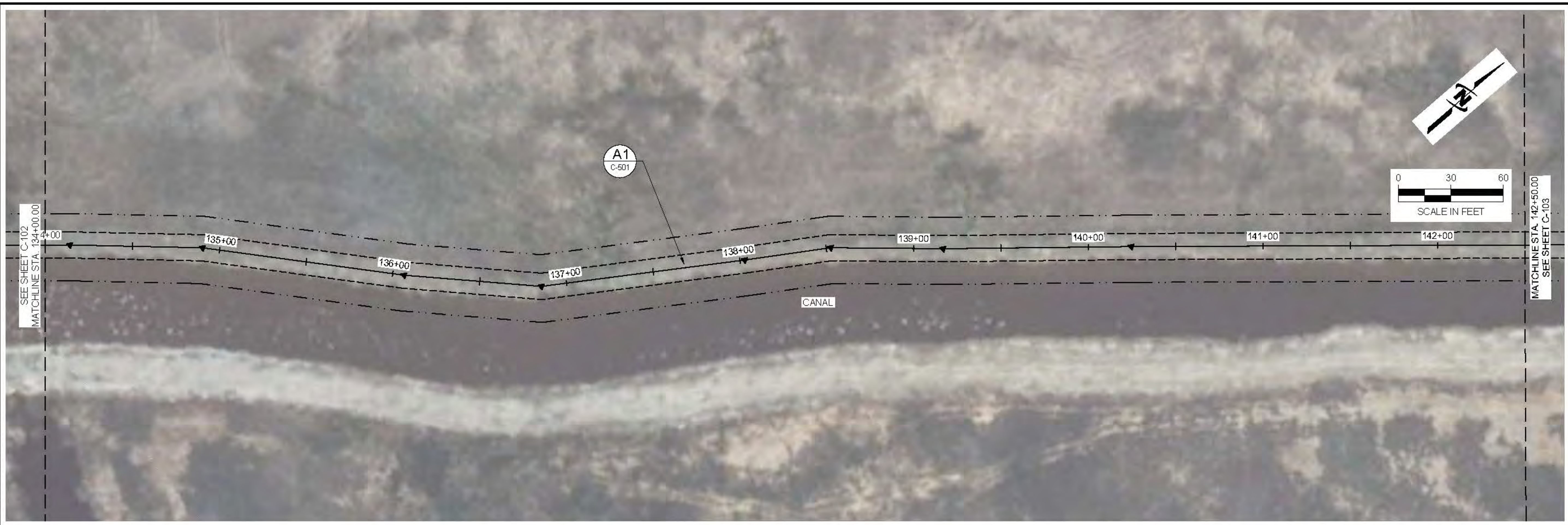
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SALT CREEK WMA - LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

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 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY
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C-102

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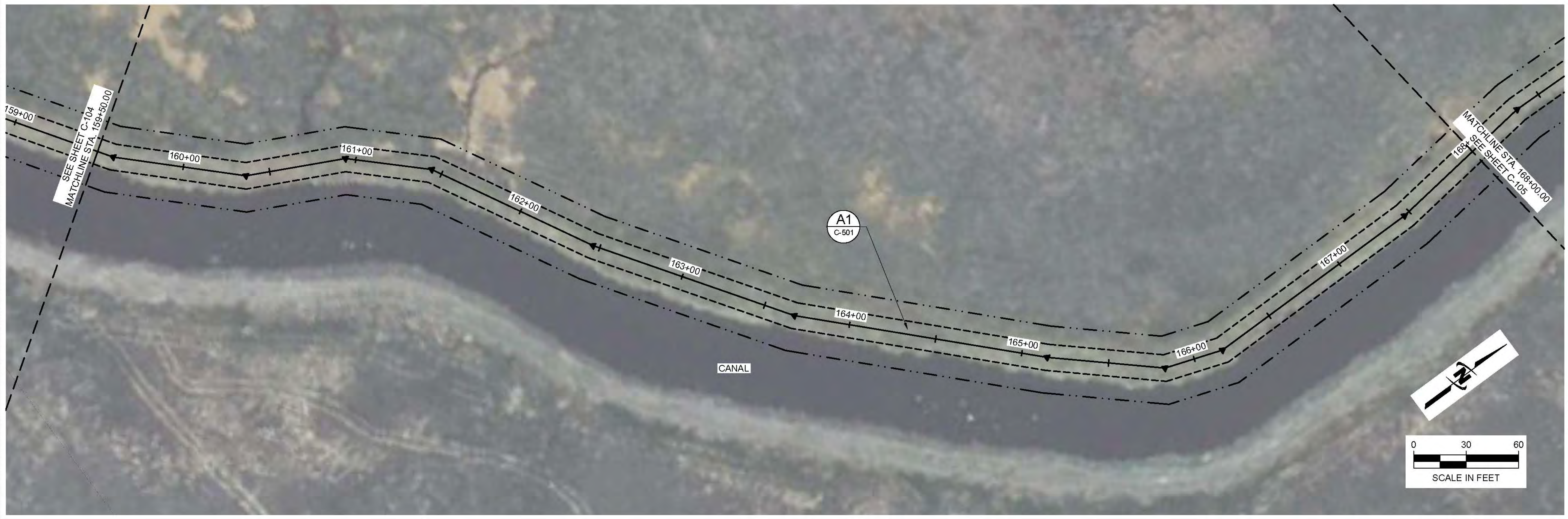
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SALT CREEK WMA - LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

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 JUB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
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C-103

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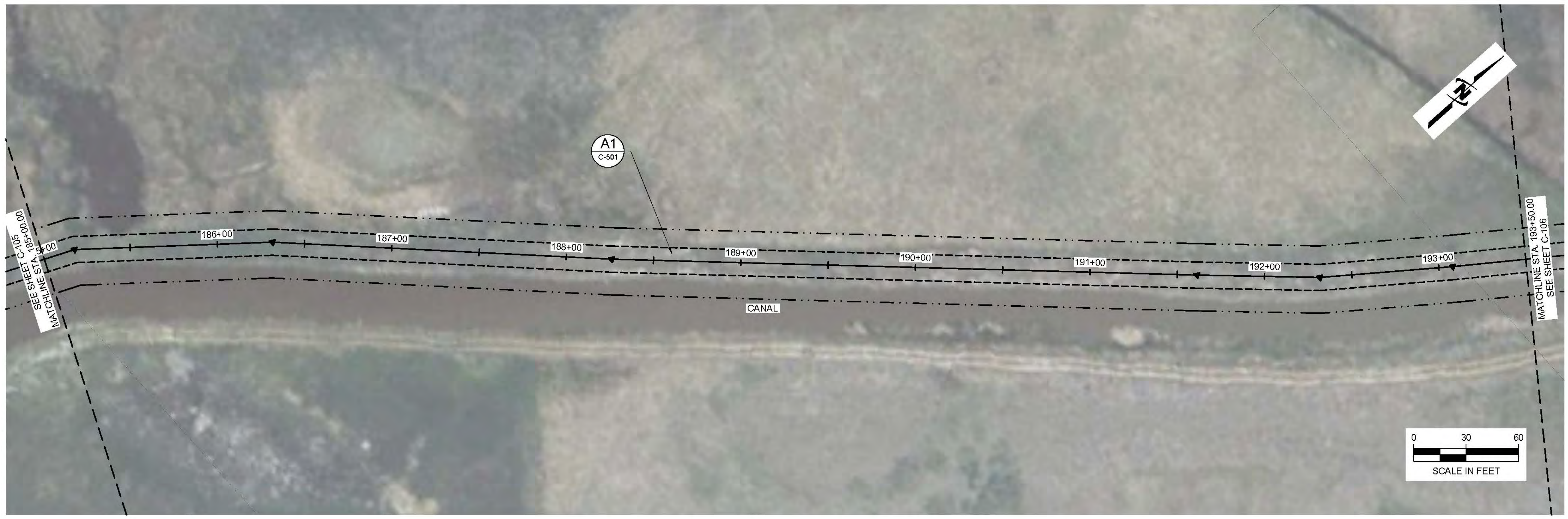
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SALT CREEK WMA - LEVEE IMPROVEMENTS
LEVEE IMPROVEMENT AREAS

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CHECKED BY: ###
ONE INCH = 30 FEET
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024
SHEET NUMBER:
C-104

Plot Date: 10/29/2024 10:48 AM, Plotted By: Parker Achenbach, Date Created: 10/24/2024, JUB: C:\CENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVATION\PROJECTS\57-23-010 LOWER BEAR RIVER WMA\DESIGN\SALT CREEK WMA\CADD\SHEET\DRAP\57-23-010_SOVMA_RIPRAP_C-100X.DWG



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NO.	REVISION	DESCRIPTION	BY	APP.	DATE

Plot Date: 10/25/2024 10:48 AM Plotted By: Parker Achtembuech
Date Created: 2/22/24 JUB: COM\CENTRAL\CLIENTS\UT\BEAR RIVER\WATER CONSERVATION\DISTRICT\PROJECTS\7-23-010 LOWER BEAR RIVER WATERSHED\DESIGN\SALT CREEK\WMA\CAD\DESIGN\DRAWING\57-23-010_SCVMA_RIPRAP_C-106X.DWG



LOWER BEAR RIVER EIS
SALT CREEK WMA - LEVEE IMPROVEMENTS

LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_SCVMA_RIPRAP_C-106X
JUB PROJ #: 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
ONE INCH = 30 FEET
AT FULL SIZE, IF NOT ONE INCH SPAN, E-200 CORING ONLY
LAST UPDATED: 10/24/2024
SHEET NUMBER:
C-106



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 Logan, UT 84321
 Phone: 435.713.9514
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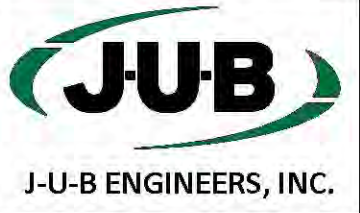
NO.	REVISION	DESCRIPTION	BY	DATE

**LOWER BEAR RIVER EIS
 SALT CREEK WMA - LEVEE IMPROVEMENTS**
 LEVEE IMPROVEMENT AREAS

FILE: 57-23-010_SCMWA_RIPRAP_C-100X
 JUB PROJ. #: 57-23-010
 DRAWN BY: ##
 DESIGN BY: ##
 CHECKED BY: ##
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/24/2024

SHEET NUMBER:
C-107

Plot Date: 10/25/2024 10:47 AM. Plotted By: Parker Achtembush
 Date Created: 9/20/2024. JUB.COM\CENTRAL\CIENT\SALT\BEAR\WATER\TERCOUNSERV\AN\DISTRICT\PROJECT\57-23-010_LOWERBEARWATERSEDESIGN\SALT\CREEK\WMA\CAD\SET\DR\RAP\57-23-010_SCMWA_RIPRAP_C-100X.DWG



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NO.	REVISION	DESCRIPTION	BY	DATE

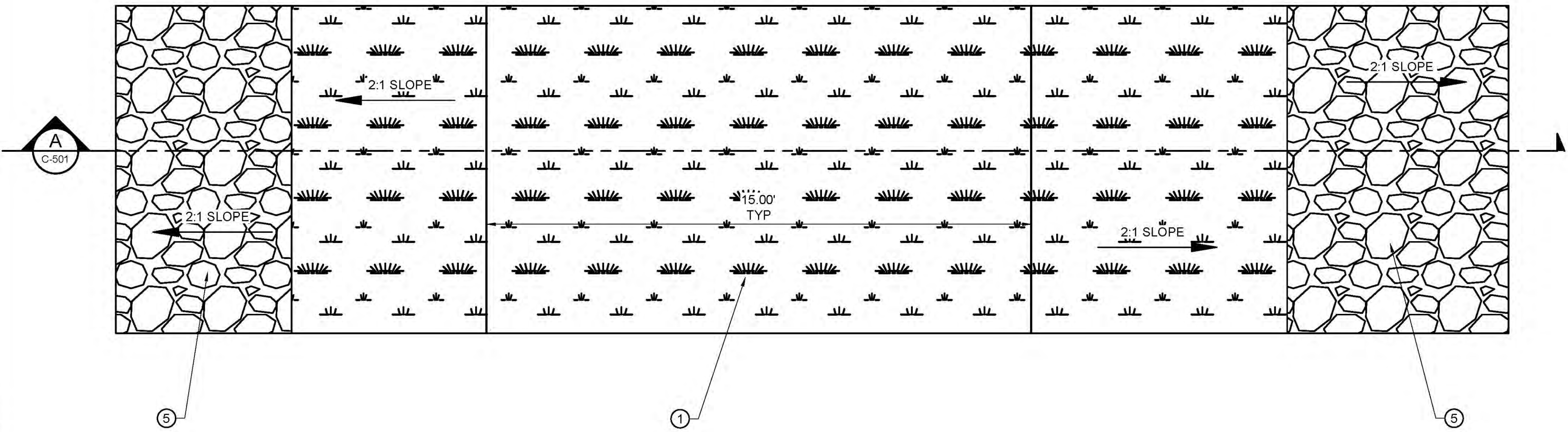
LOWER BEAR RIVER EIS
 SALT CREEK WMA - LEVEE IMPROVEMENTS
 LEVEE TYPICAL SECTION

FILE: 57-23-010_SCWMA_RIPRAP_C-501
 JUB PROJ #: 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###

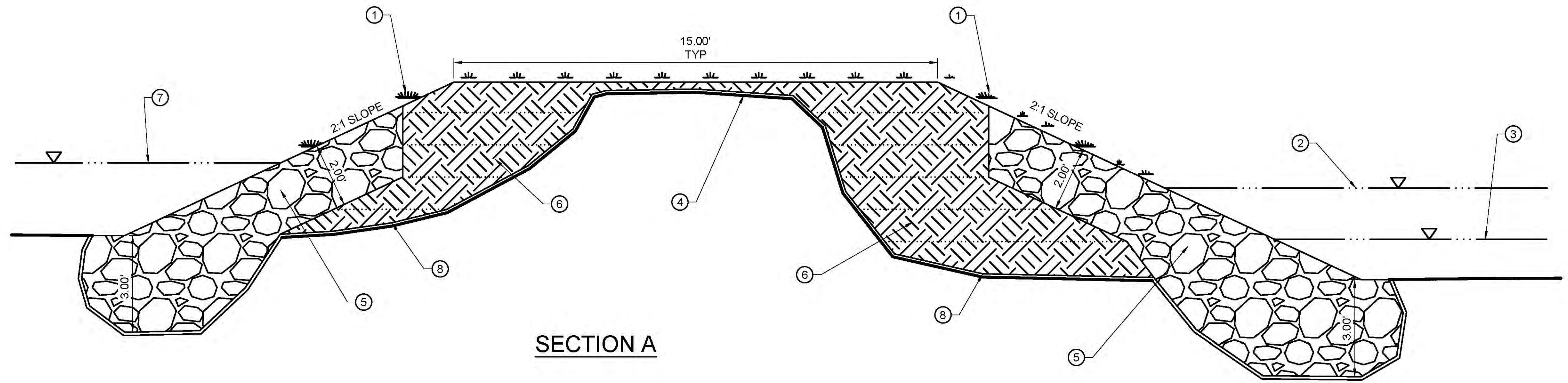
ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/24/2024

SHEET NUMBER:
C-501

- KEY NOTES:
- ① 3" TOPSOIL. SEED WITH HARDSTEM, BULLRUSH, 3 SQUARE, OR SALTGRASS
 - ② TYPICAL HIGH WATER MARK FOR CANAL
 - ③ TYPICAL LOW WATER MARK FOR CANAL
 - ④ TYPICAL EXISTING STREAM BANK SURFACE
 - ⑤ 12" RIP RAP, 2' DEEP AT 2:1 SLOPE. KEY INTO RIVER BED. FILL WITH TOPSOIL ABOVE HIGH WATER MARK
 - ⑥ COMPACTED STRUCTURAL FILL, FILL IN 1' LIFTS
 - ⑦ TYPICAL HIGH WATER MARK FOR WETLAND
 - ⑧ NON-WOVEN GEOTEXTILE FABRIC



PLAN VIEW



SECTION A

A1 LEVEE TYPICAL SECTION
 SCALE: NTS

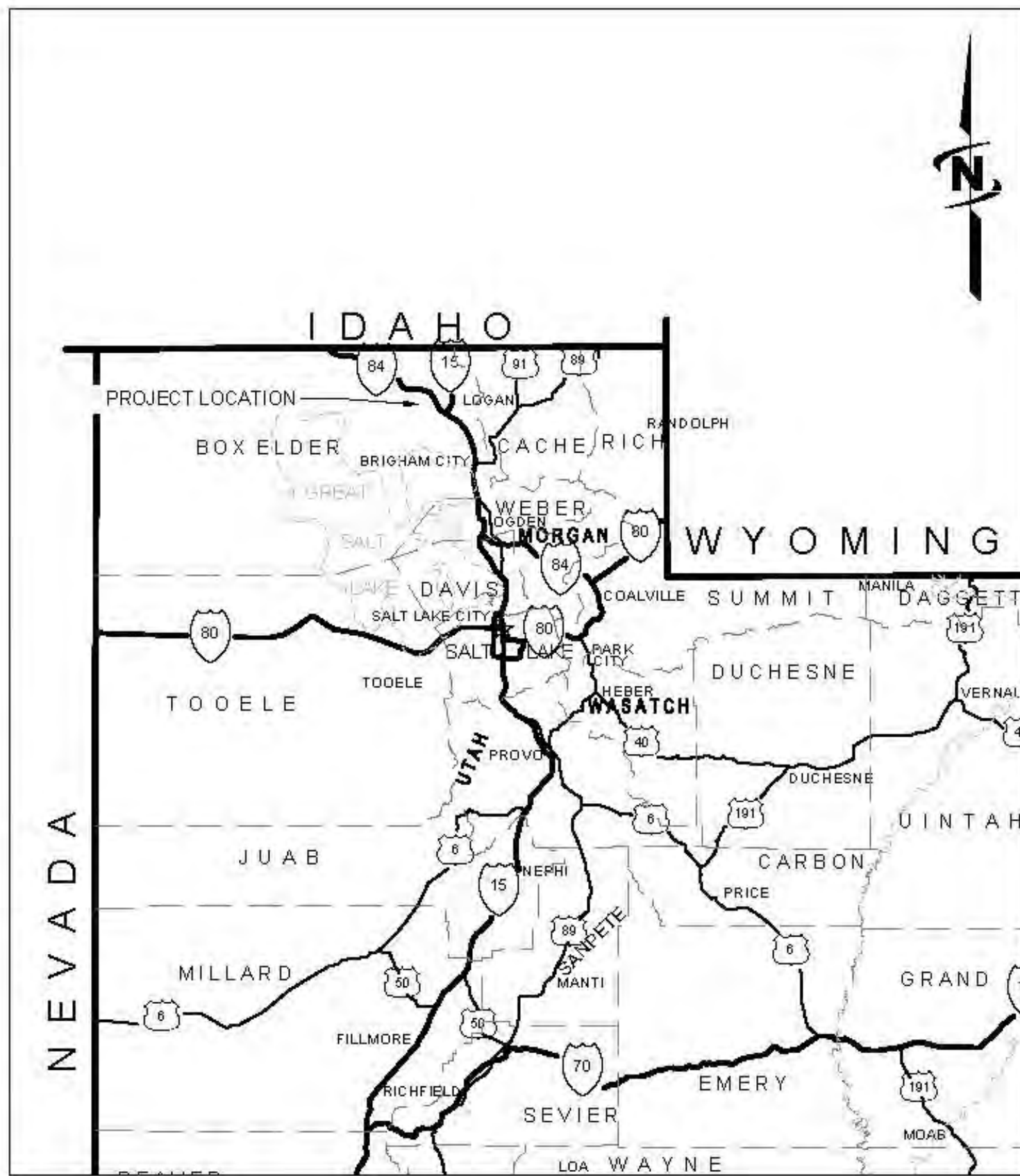
Plot Date: 10/25/2024 10:47 AM. Plotted By: Parker Achenbach
 Dwg Created: 10/24/2024 10:05 AM. Concentration: 100%

LOWER BEAR RIVER EIS

SALT CREEK WMA SEDIMENT REMOVAL

February 2025

30% CONCEPTUAL PLANS



AREA MAP



VICINITY MAP



Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND
G-003	SYMBOLS LEGEND
CIVIL	
C-101	OVERALL SITE PLAN
C-102	BASIN PROFILE
C-103	BASIN CROSS SECTIONS

PROJECT NO. 57-23-010



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LAST UPDATED: 2/18/2025

SHEET NUMBER:

G-001

Plot Date: 2/18/2025 \\UUB\COM\CENTRAL\CLIENTS\UT\BEAR RIVER WATER CONSERVANCY DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED EIS\DESIGN\SALT CREEK WMA\CAD\SHETS\CS-SHEET\SEDIMENT\BASIN\G-001.DWG

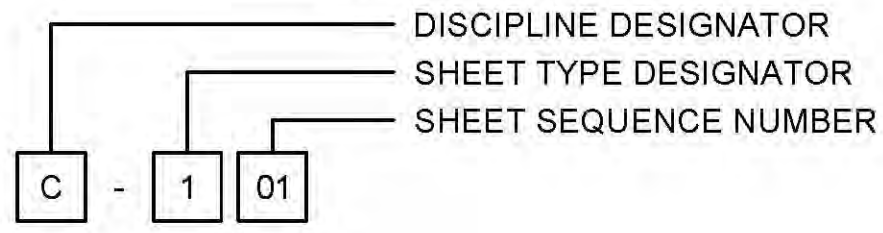
LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	OHP	OHP
UNDERGROUND POWER	UP	UP
OVERHEAD TELEPHONE	OHT	OHT
UNDERGROUND TELEPHONE	UT	UT
FIBER OPTIC	F/O	F/O
CABLE TELEVISION	CTV	CTV
UNDERGROUND POWER, TEL, CABLE TV		- P,T,CTV -
UNDERGROUND POWER, TEL, CABLE TV, GAS		- P,T,CTV,G -
STORM DRAIN		
STORM DRAIN (GENERAL)	SD	SD
STORM DRAIN	X*SD	X*SD
ROOF DRAIN	RD	RD
LAND DRAIN	LD	LD
SANITARY SEWER		
SANITARY SEWER (GENERAL)	SS	SS
SANITARY SEWER	X*SS	X*SS
SANITARY SEWER SERVICE	SS SS	SS SS
SEWER FORCE MAIN	FM	FM
WATER		
WATER (GENERAL)	W	W
WATER (SPECIFIED SIZE)	X*W	X*W
WATER SERVICE	WS WS	WS WS
IRRIGATION		
IRRIGATION	IRR	IRR
GRAVITY IRRIGATION	GIRR	GIRR
PRESSURE IRRIGATION	PIRR	PIRR
POTABLE WATER	PW	PW
NON-POTABLE WATER	NPW	NPW
GAS		
NATURAL GAS	G	G
NATURAL GAS SERVICE	G G	G G
HIGH PRESSURE GAS	HPC	HPC
LIQUID GAS	LG	LG
UTILITY		
CHLORINE LINE	CHL	CHL
INDUSTRIAL WASTE WATER	IWW	IWW
DRAIN LINE	DL	DL

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	P/L	P/L
PROPERTY LINE		
RIGHT OF WAY	R/W	R/W
TEMPORARY EASEMENT	T/E	T/E
PERMANENT EASEMENT	P/E	P/E
TOWNSHIP AND RANGE		
SECTION LINE		
QUARTER SECTION LINE		
1/16 SECTION LINE		
STATE LINE		
COUNTY LINE		
SITE		
FENCE	X	X
MAJOR CONTOUR	2521	
MINOR CONTOUR		
GRADE BREAK		GB
TOP OF BANK		TOB
TOE OF SLOPE		TOE
CUT LIMITS		
CUT LIMITS	CUT	
FILL LIMITS		
FILL LIMITS	FILL	
DITCH		
STORM SWALE		
EDGE OF WATER		
HIGH WATER		
WETLAND		WET
WETLAND BOG		BOG
WETLAND MARSH		MRSW
WETLAND SWAMP		SWMP
ROADWAY		
ROAD SHOULDER		
ROAD CENTERLINE		
ROAD ASPHALT		EP
ROAD GRAVEL	EG	EG
TOP BACK OF CURB		
LIP OF GUTTER		
LANDSCAPING LIMITS	LS	LS

SHEET NUMBERING

SAMPLE: C-101

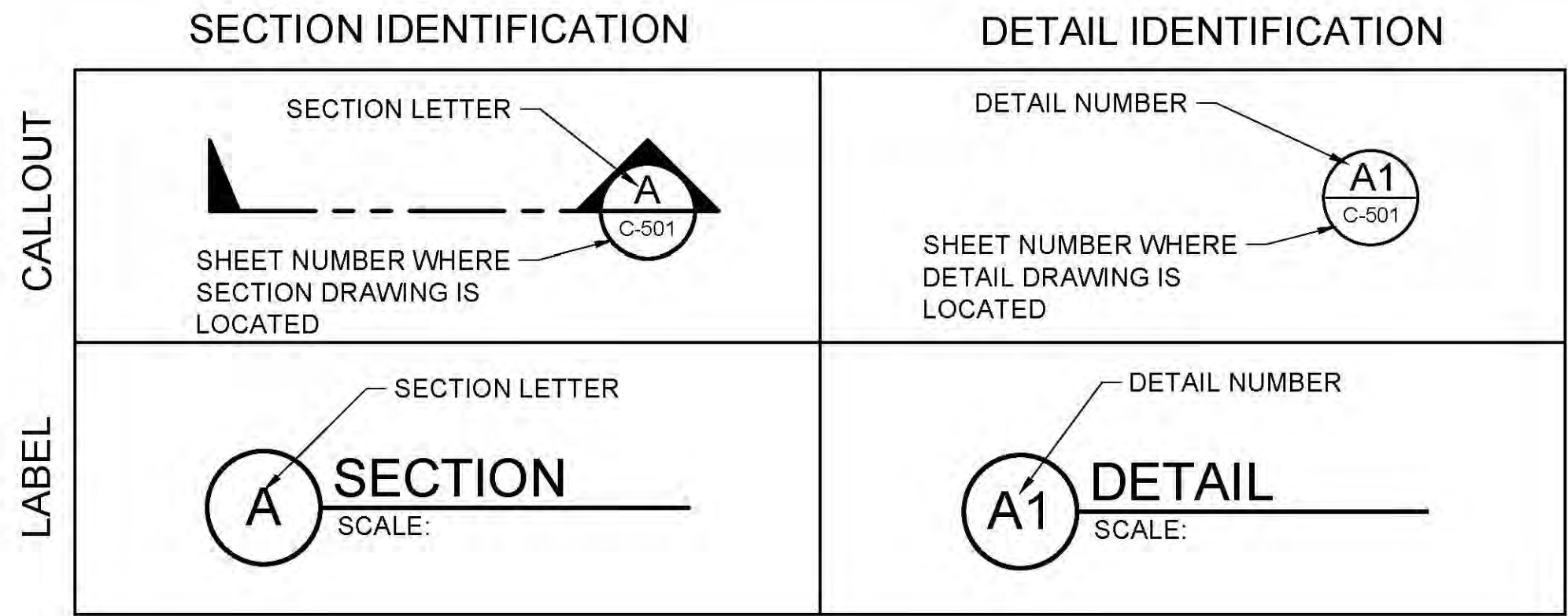


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q	ALL EQUIPMENT
MECHANICAL	M	ALL MECHANICAL
ELECTRICAL	E	ALL ELECTRICAL
PLUMBING	P	ALL PLUMBING
PROCESS	D	ALL PROCESS
RESOURCE	R	ALL RESOURCE

SHEET TYPE DESIGNATORS	
DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)
5	DETAILS OR COMBINED DETAILS AND SECTIONS
6	SCHEDULES AND DIAGRAMS
7	USER DEFINED
8	USER DEFINED
9	3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS)

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.





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EXCAVATE NATIVE MATERIAL TO CREATE BASIN. HAUL EXCAVATED MATERIAL TO NRCS APPROVED LOCATION.

CONSTRUCT CONCRETE INLET STRUCTURE

INSTALL 6'X6' CONCRETE JUNCTION BOX WITH GRATED LID

FURNISH AND INSTALL 66 LF OF 24" HDPE PIPE

CONSTRUCT CONCRETE OUTLET STRUCTURE

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LOWER BEAR RIVER EIS
SALT CREEK WMA SEDIMENT REMOVAL

OVERALL SITE PLAN

FILE: 57-23-010_C-101X
JUB PROJ #: 57-23-010
DRAWN BY: JTD
DESIGN BY: JTD
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LAST UPDATED: 10/28/2024
SHEET NUMBER: C-101

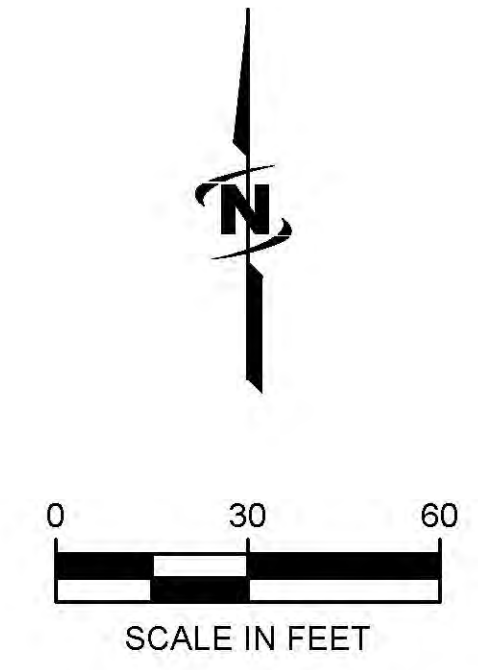
Plot Date: 2/11/2025 9:10 AM Plotted By: Parker Achenbach
DWG Created: 10/28/2024 JUB-COMM-CENTRAL-CLIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-WATERSHED-DESIGN-SALT-CREEK-WMA-C-101X.DWG



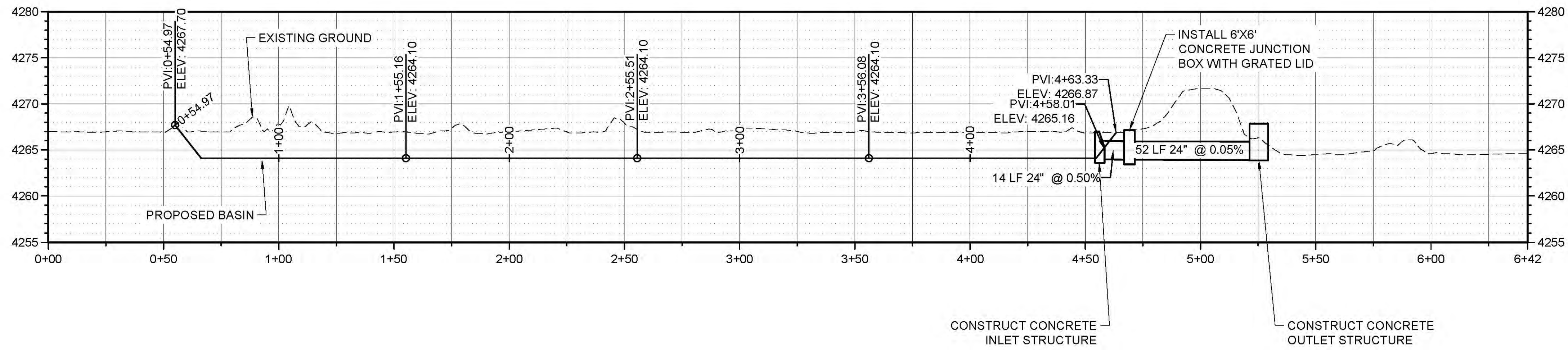
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PROFILE OF SALT CREEK BASIN



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BASIN PROFILE

FILE: 57-23-010_C-101X
JUB PROJ #: 57-23-010
DRAWN BY: JTD
DESIGN BY: JTD
CHECKED BY: CMS
ONE INCH
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LAST UPDATED: 10/28/2024

SHEET NUMBER:
C-102

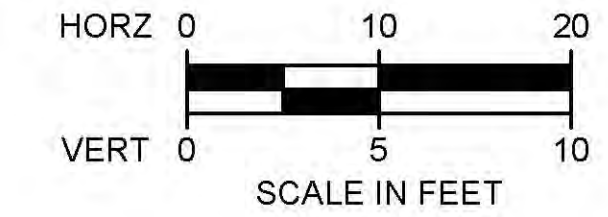
Plot Date: 2/11/2025 9:10 AM. Plotted By: Parker Achenbach
DWG Created: 10/28/2024 10:08 AM. JUB: COMCENTRAL CLIENT SU: BEARRIVERWATERCONSERVANCY/DISTRICT/PROJECT/SALT CREEK WMA/CD/SHEET/57-23-010_C-101X.DWG



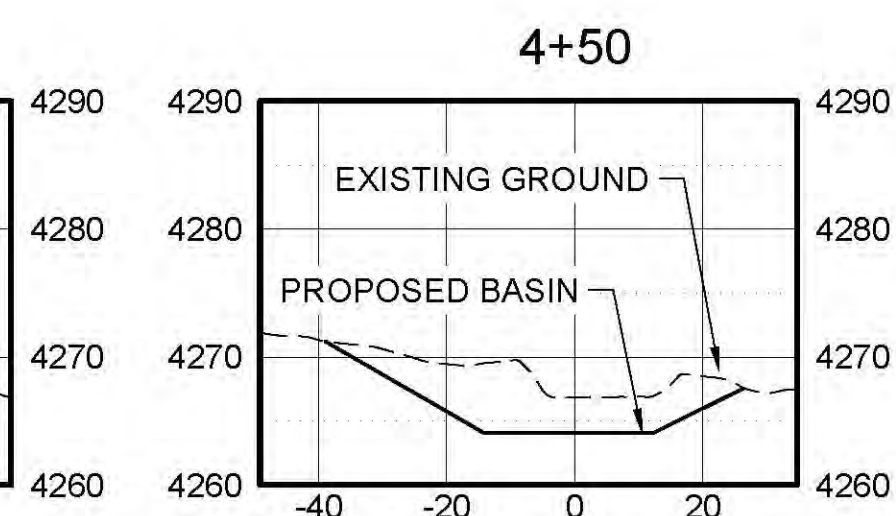
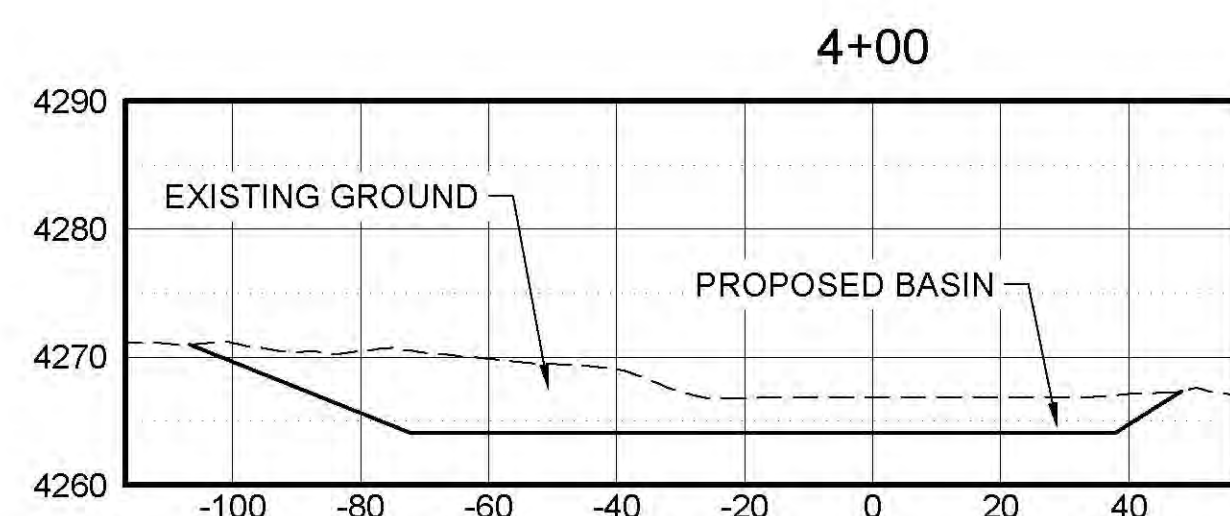
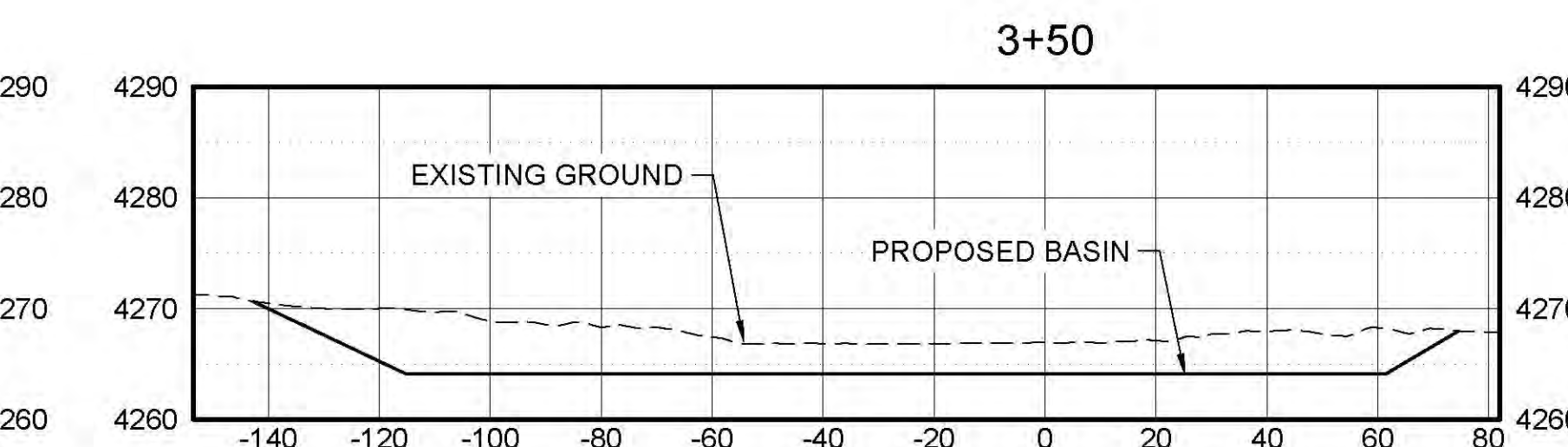
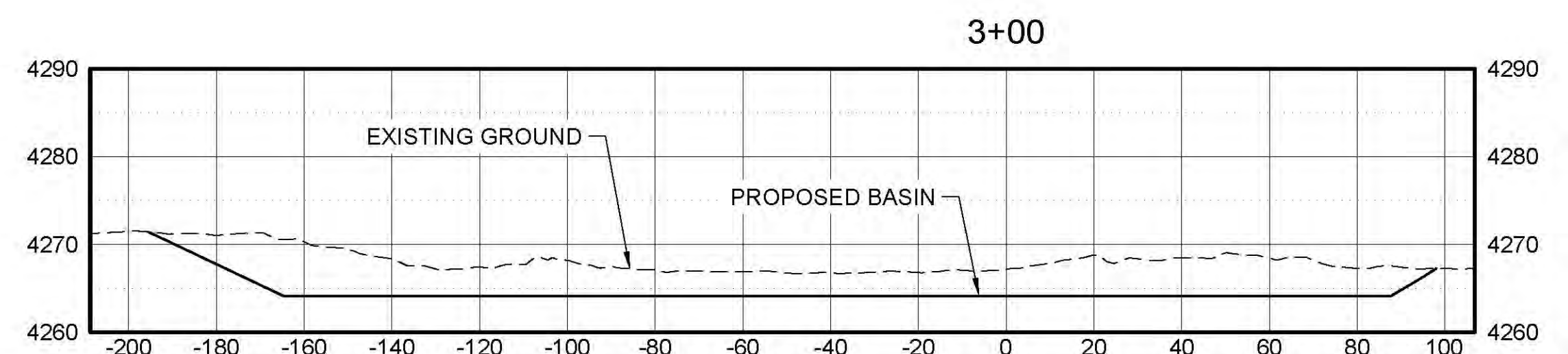
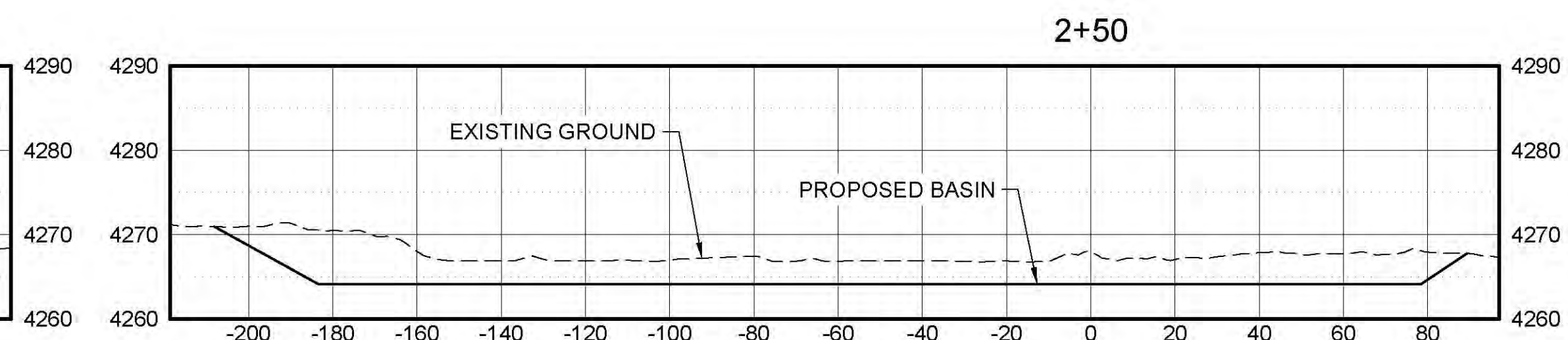
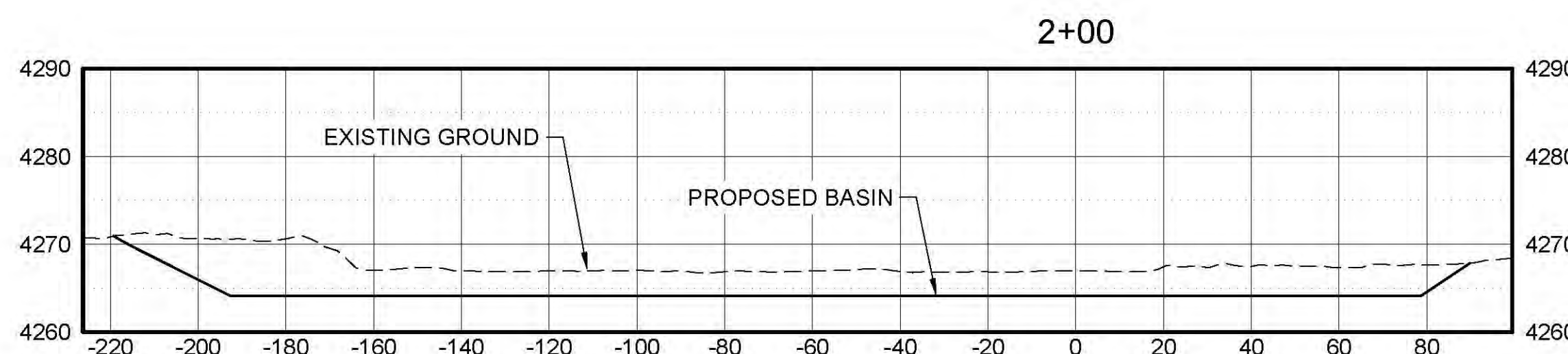
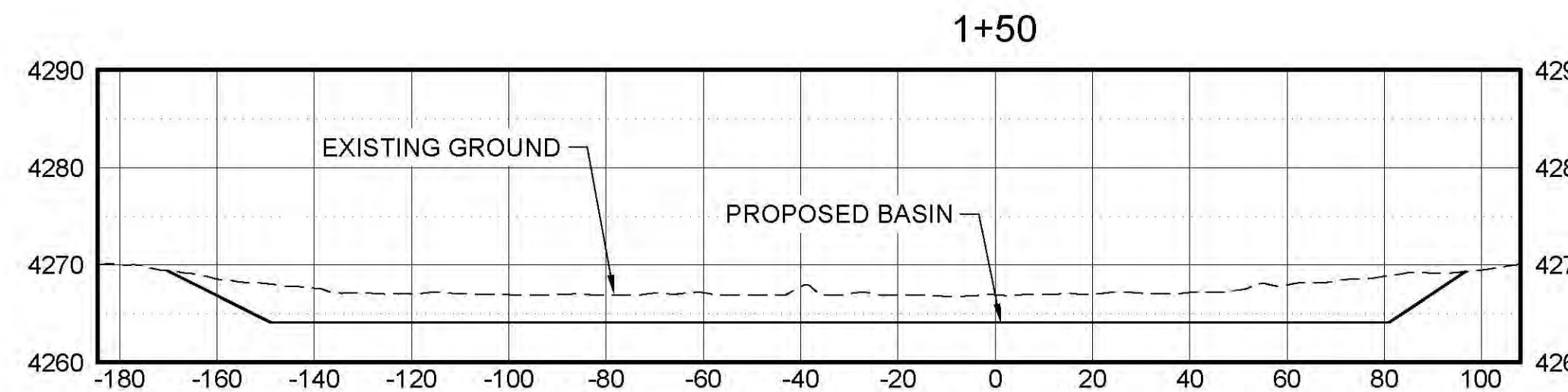
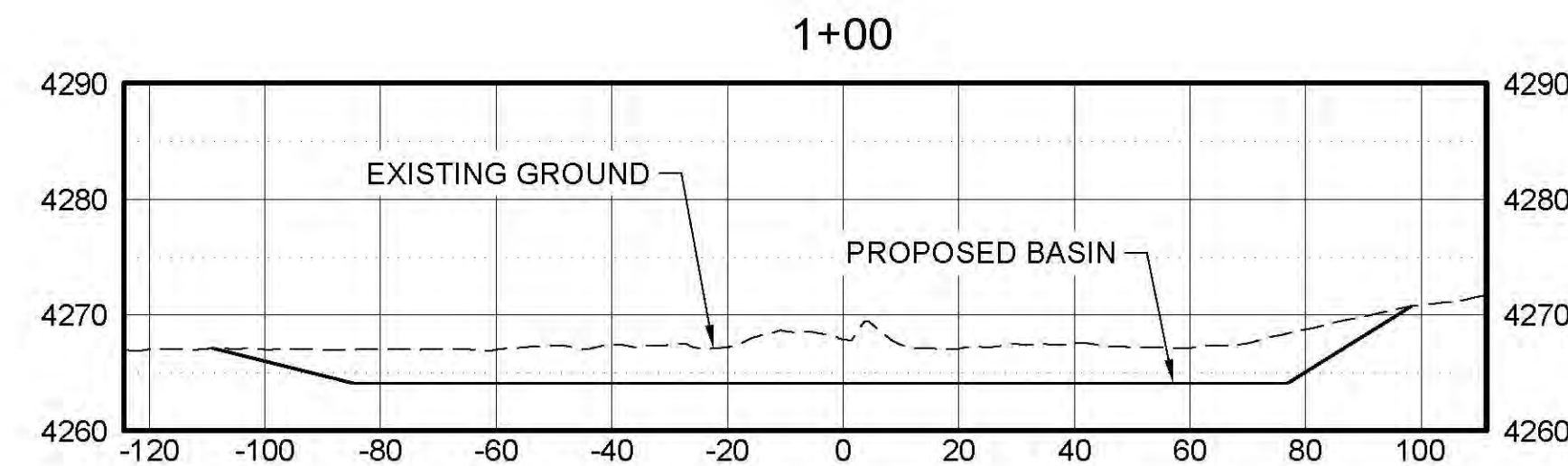
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SALT CREEK SEDIMENT BASIN CROSS SECTIONS



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LOWER BEAR RIVER EIS
 SALT CREEK WMA SEDIMENT REMOVAL

BASIN CROSS SECTIONS

FILE: 57-23-010_C-101X
 JUB PROJ #: 57-23-010
 DRAWN BY: JTD
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
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SHEET NUMBER:

C-103

Plot Date: 2/11/2025 9:10 AM Plotted By: Parker Achenbach
 Date Created: 10/28/2024 10:08 AM JUB-CENTRAL-CLIENTS\UT\BEAR RIVER WATER CONSERVATION\DISTRICT\PROJECTS\57-23-010 LOWER BEAR RIVER WMA\DESIGN\SALT CREEK WMA\CAD\SHEET\57-23-010_C-101X.DWG