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Thirty Percent Design Plan

LOWER BEAR RIVER EIS BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND

March 2025

PRELIMINARY PLANS NOT FOR CONSTRUCTION

30% PLAN SET

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C-225	PLAN AND PROFILE
C-226	PLAN AND PROFILE



AREA MAP



VICINITY MAP



PROJECT NO. 57-23-010



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LAST UPDATED: 3/5/2025

SHEET NUMBER:

G-001

Plot Date: 9/26/2025 \\JUB-COM\CENTRAL\Clients\BUTBEAR\WATER\CONSERVANCY\DISTRICT\PROJECTS\57-23-010_LOWER BEAR WATER\RESHEDES\GIBRCC\CAD\SHHEET\TINOS\PHOTOS\57-23-010_NO SIPHONS_G-001X.DWG



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LOWER BEAR RIVER EIS
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 LINE LEGEND AND DETAIL KEY

FILE: 57-23-010_NOSIPHONS_G-003

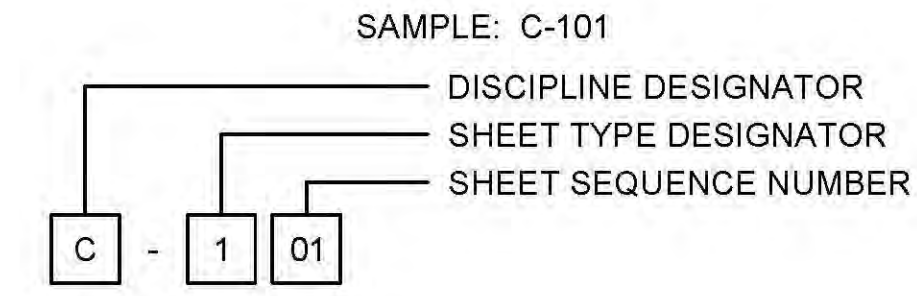
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SCALE	ONE INCH = AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED	10/25/2024
SHEET NUMBER	G-002

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

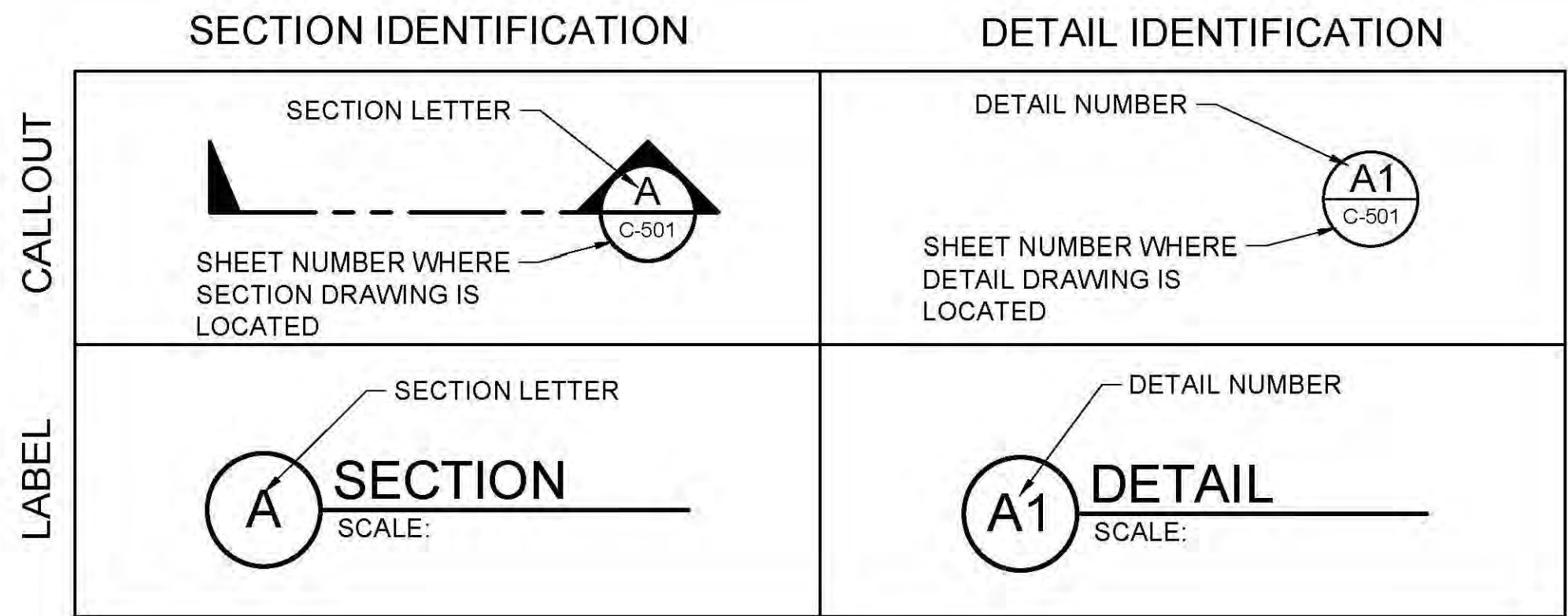


DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL ARCHITECTURE
EQUIPMENT	Q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

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.



Plot Date: 5/28/2025 10:55 AM Plotted By: Parker Achenbach
 2462 Chamber 07/2025 JUB-CONCENTRAL-CALCULATED-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-1567-23-010-LOWER-BEAR-RIVER-WATERSHED-DESIGN-BRCC-CAD-SHEET-NOSIPHONS-57-23-010-NOSIPHONS-G-003.DWG

Plot Date: 5/26/2025 10:58 AM Plotted By: Parker Achenbach
 2nd Checker: 5/27/2025 JUB-ENGINEERS, INC. DISTRICT PROJECT: 57-23-010 LOWER BEAR RIVER WATER CONSERVATION DISTRICT PROJECT: 57-23-010 LOWER BEAR RIVER WATER CONSERVATION DISTRICT PROJECT: 57-23-010 NOSIPHONS G-004 DWG

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT 1/2" REBAR		
CTRL PT 5/8" REBAR		
CTRL PT 60D NAIL		
CTRL PT HUB & TACK		
CTRL PT PK NAIL		
CTRL PT TEMP BENCH MARK		
NAIL		
NAIL AND TAG		
NAIL (PK)		
BOLT		
DRILL STEEL		
REBAR (1/2")		
REBAR (5/8")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
RW MONUMENT		
STONE		
SECTION CORNER. MON.		
SECTION QUARTER MON.		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN		
FLAGPOLE		
GATE		
MAIL BOX		
PARKING METER		
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE		
WELL		
WELL (MONITORING)		

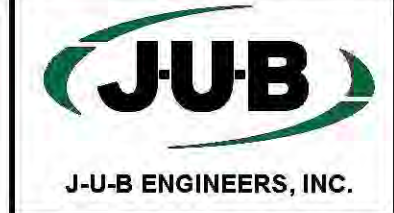
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE		
THRUST BLOCK		
VAULT		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
POWER POLE		
POWER STUB		
STREET LIGHT		
TRAFFIC SIGNAL POLE		
IRRIGATION		
IRRIGATION VALVE		
IRRIGATION VALVE BOX		
SPRINKLER		
NATURAL GAS		
GAS METER		
GAS VALVE		
SANITARY SEWER		
CLEANOUT		
SEWER STUB		
SS MANHOLE		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
FLARE END		
GREASE TRAP		
SD MANHOLE		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE		
BLOW OFF		
COMBO VALVE		
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE		
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE		
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE		
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS	
ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL)
C/L	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PE	POLYETHYLENE
PL	PLATE
PL	PROPERTY LINE
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W	RIGHT-OF-WAY

ABBREVIATIONS	
ASSY	ASSEMBLY
S	SLOPE
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED



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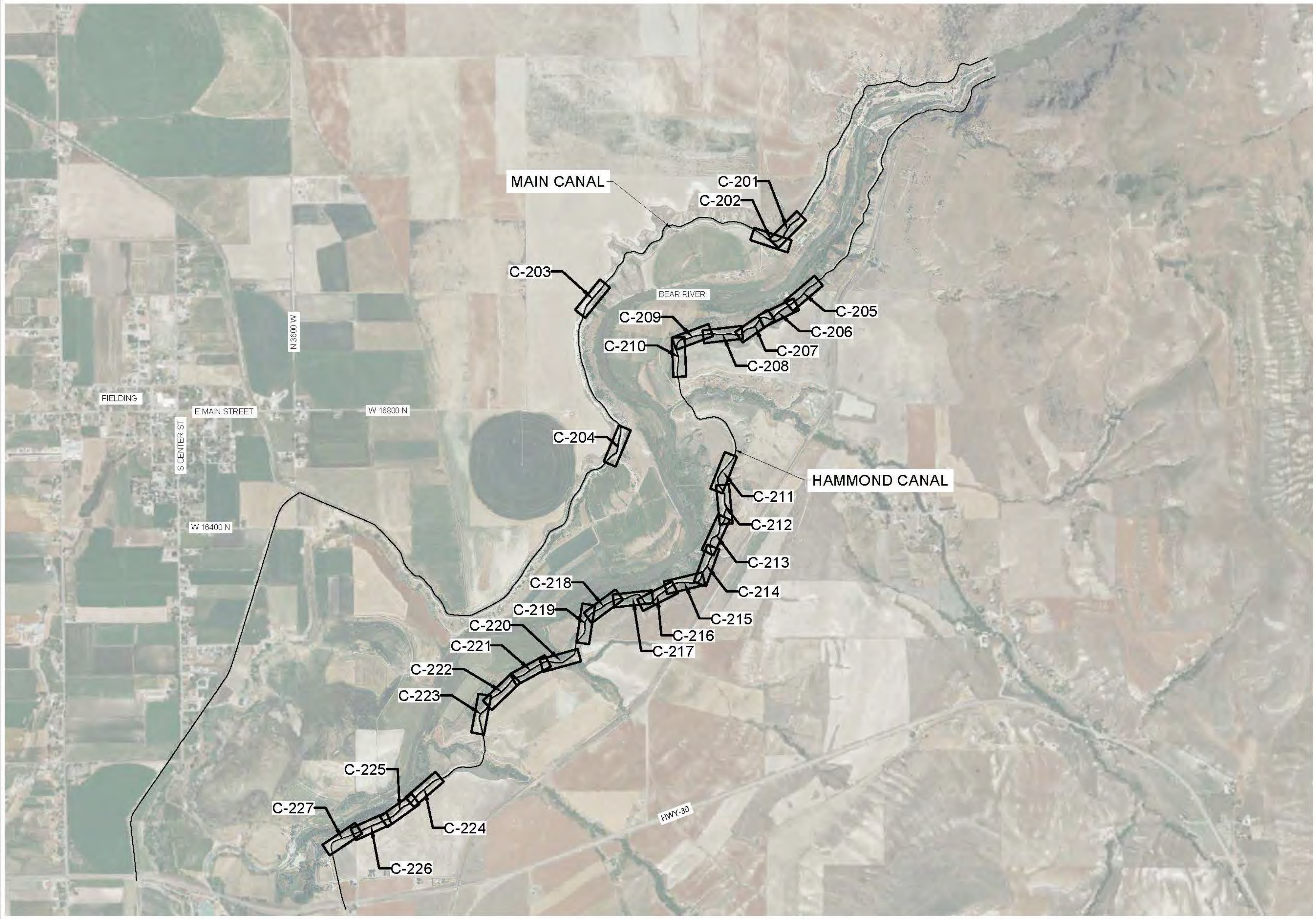
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SHEET INDEX

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C-101



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 Date: 4/20/2025 JUB COMMENT: CLIENTS USE THE BARRIERS WATER CONSERVATION DISTRICT PROJECT 57-23-010 LOWER BEAR RIVER EIS BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND C-201.DWG

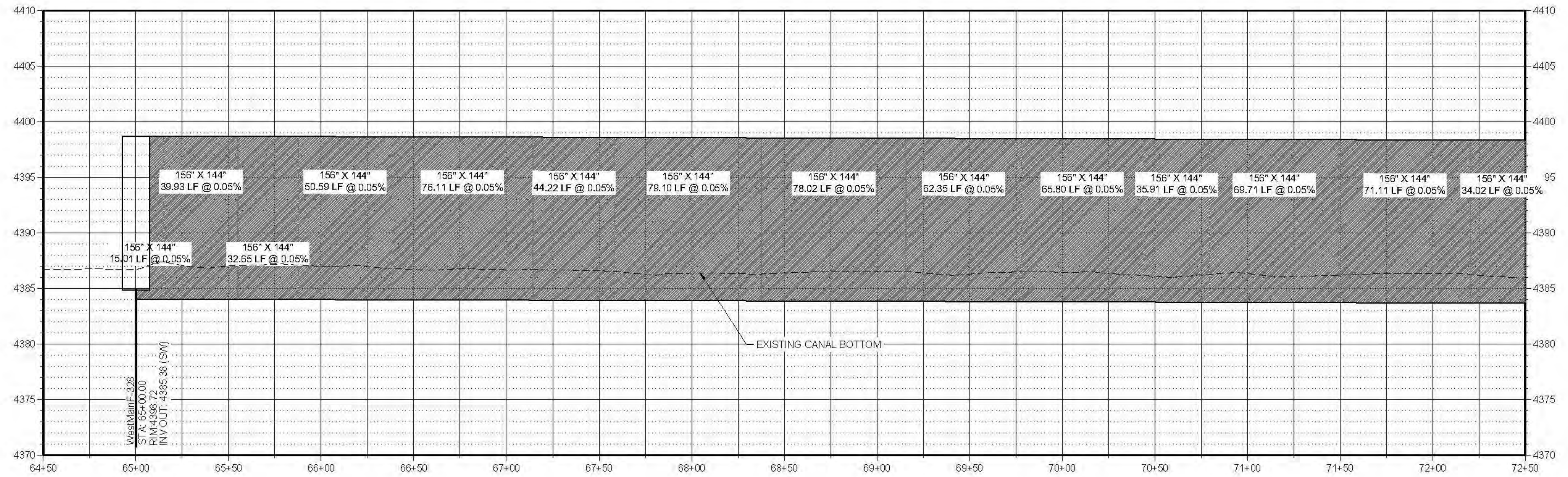
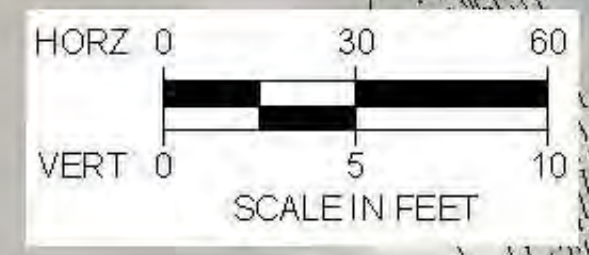


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PLAN AND PROFILE

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C-201

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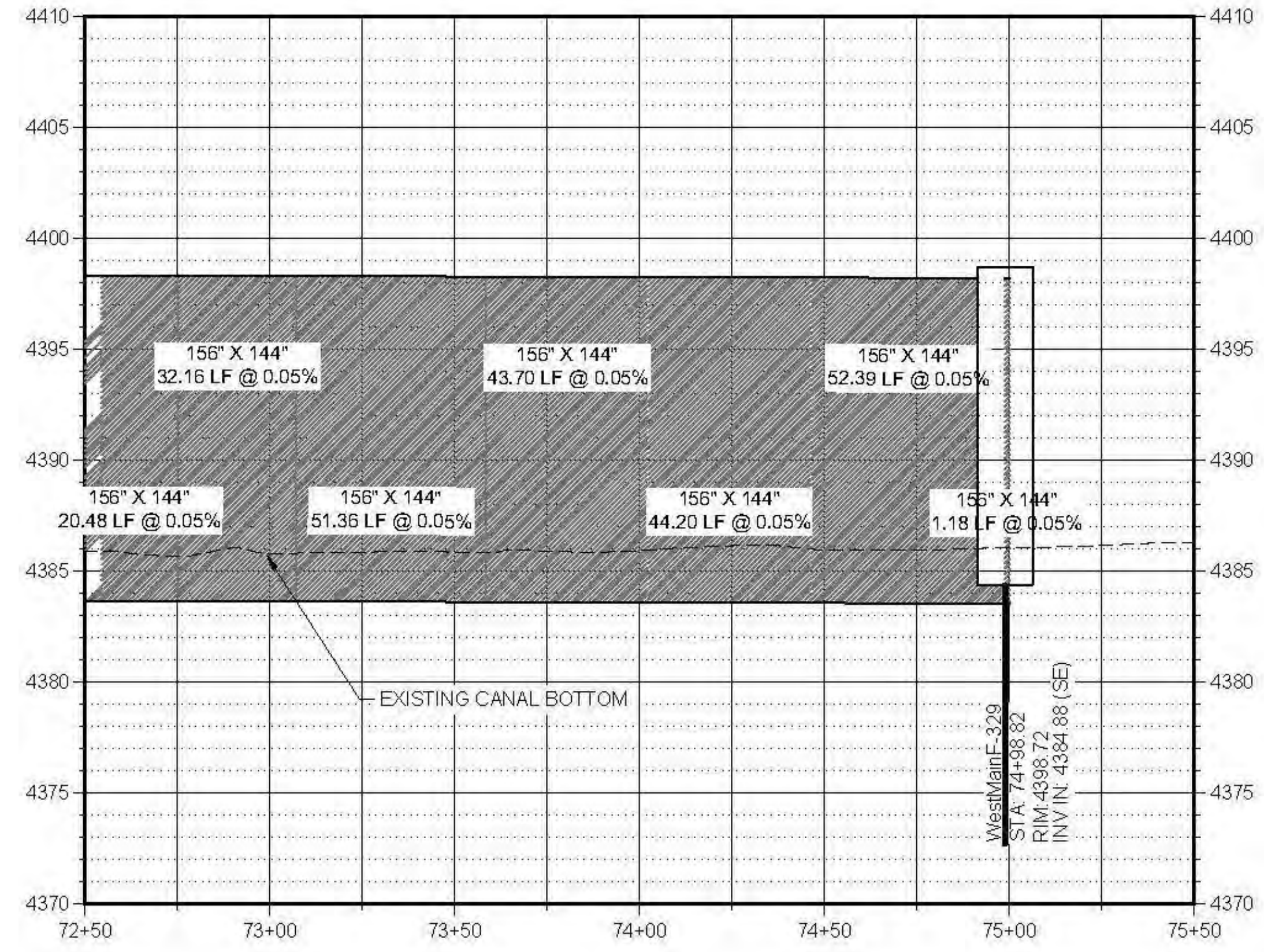
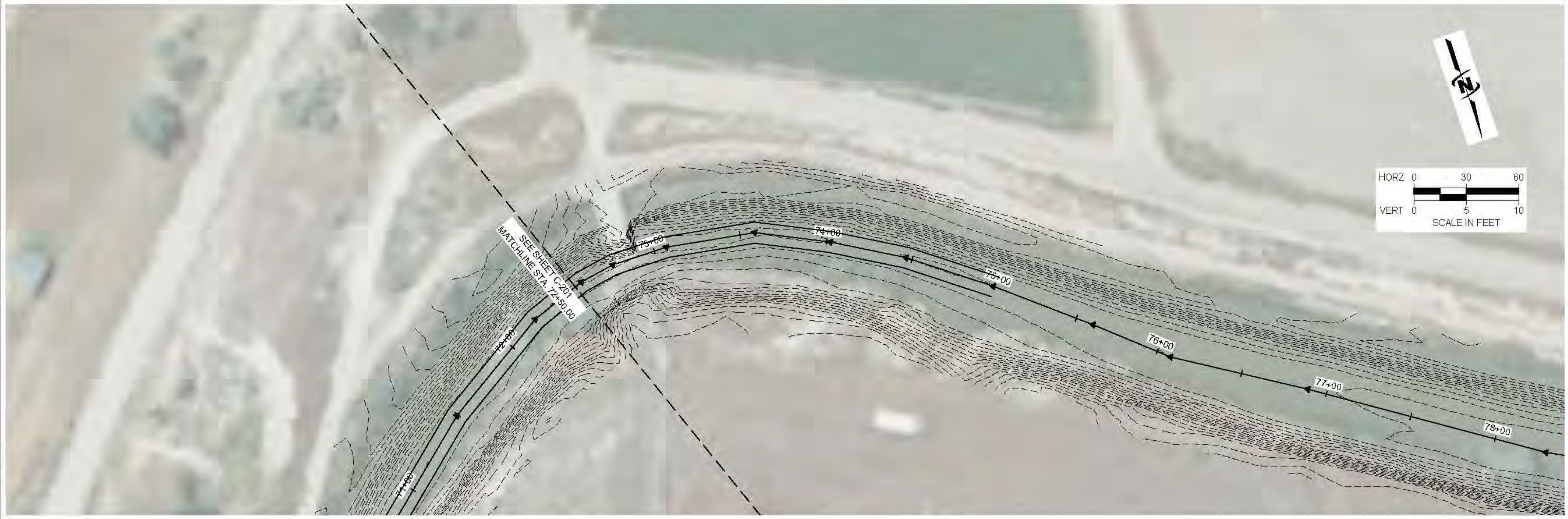
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 PLAN AND PROFILE

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C-202



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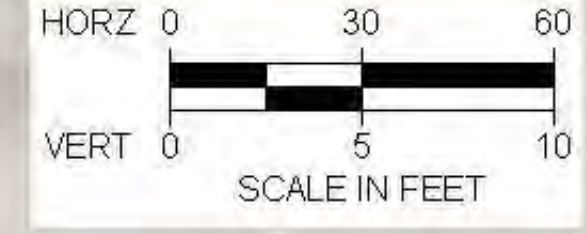
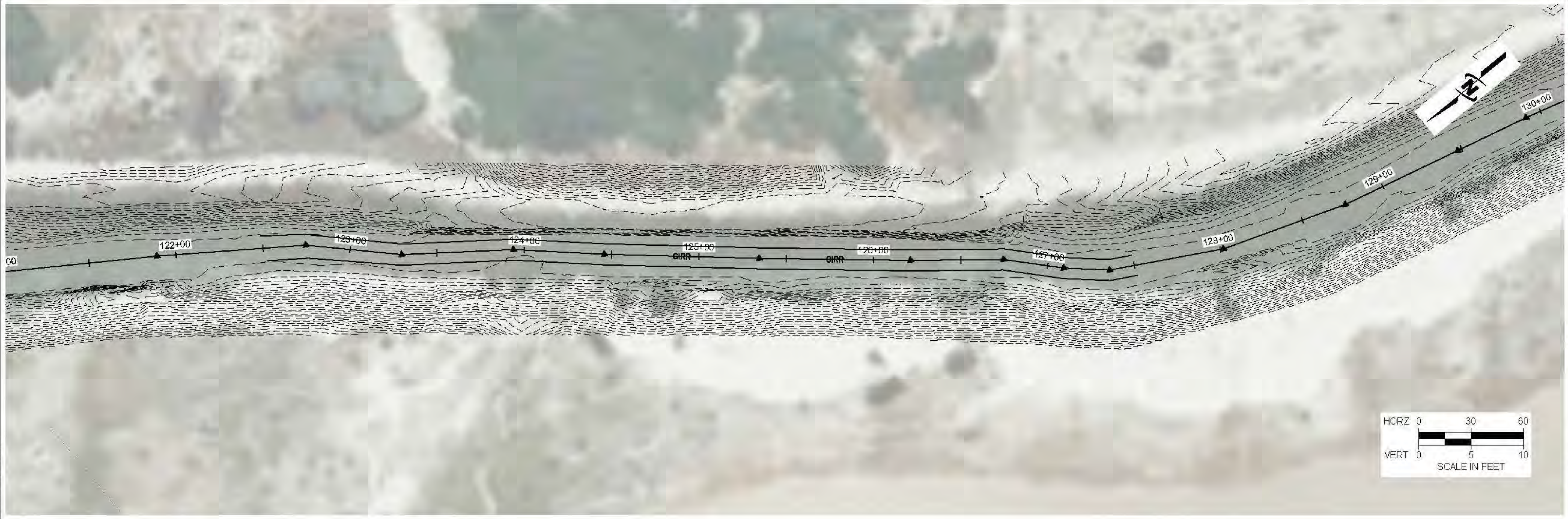


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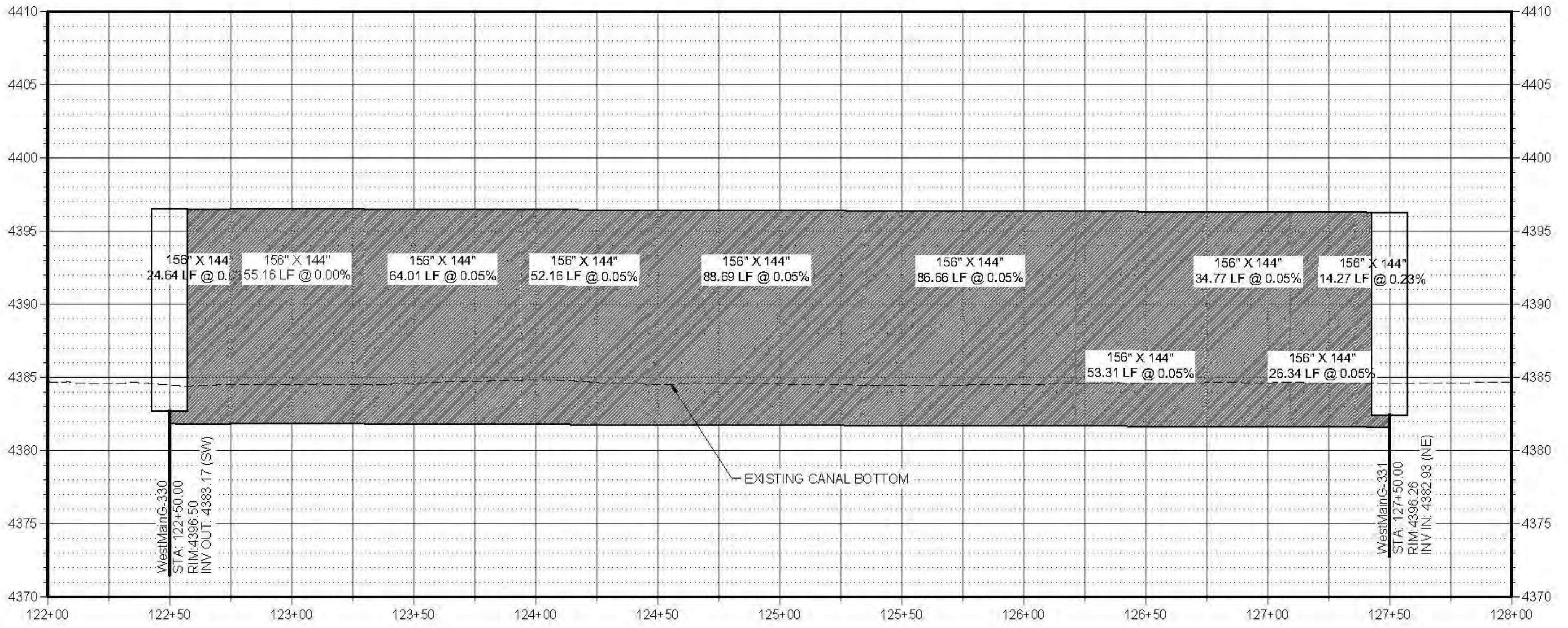
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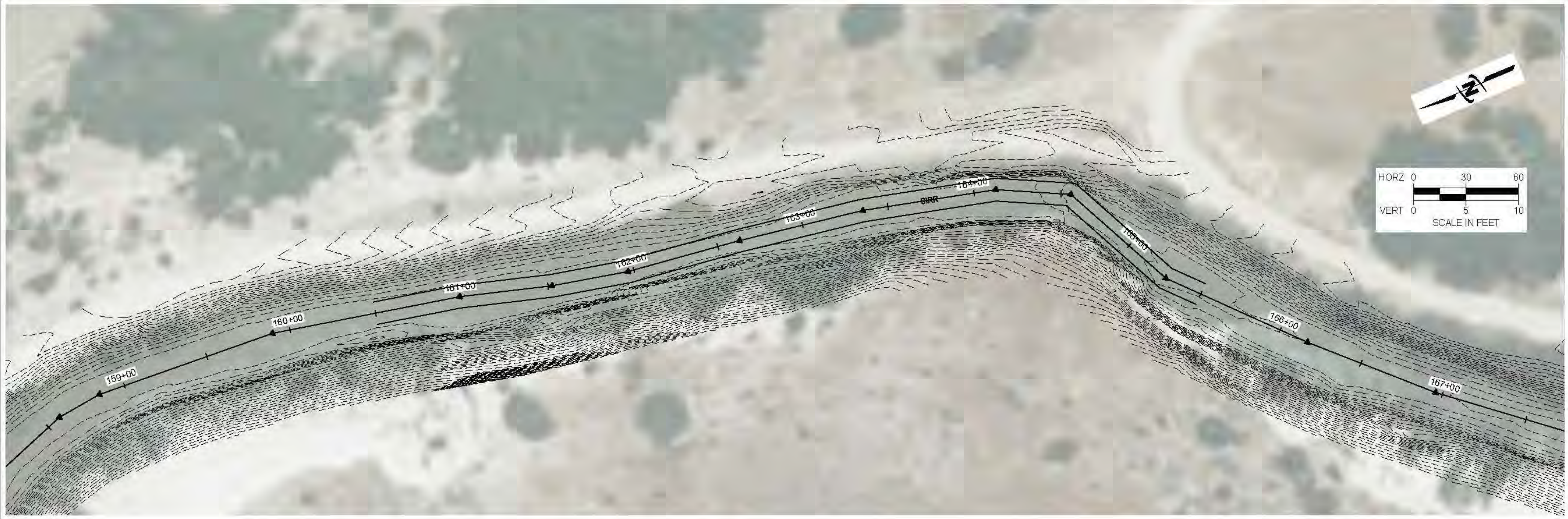
**LOWER BEAR RIVER EIS
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PLAN AND PROFILE

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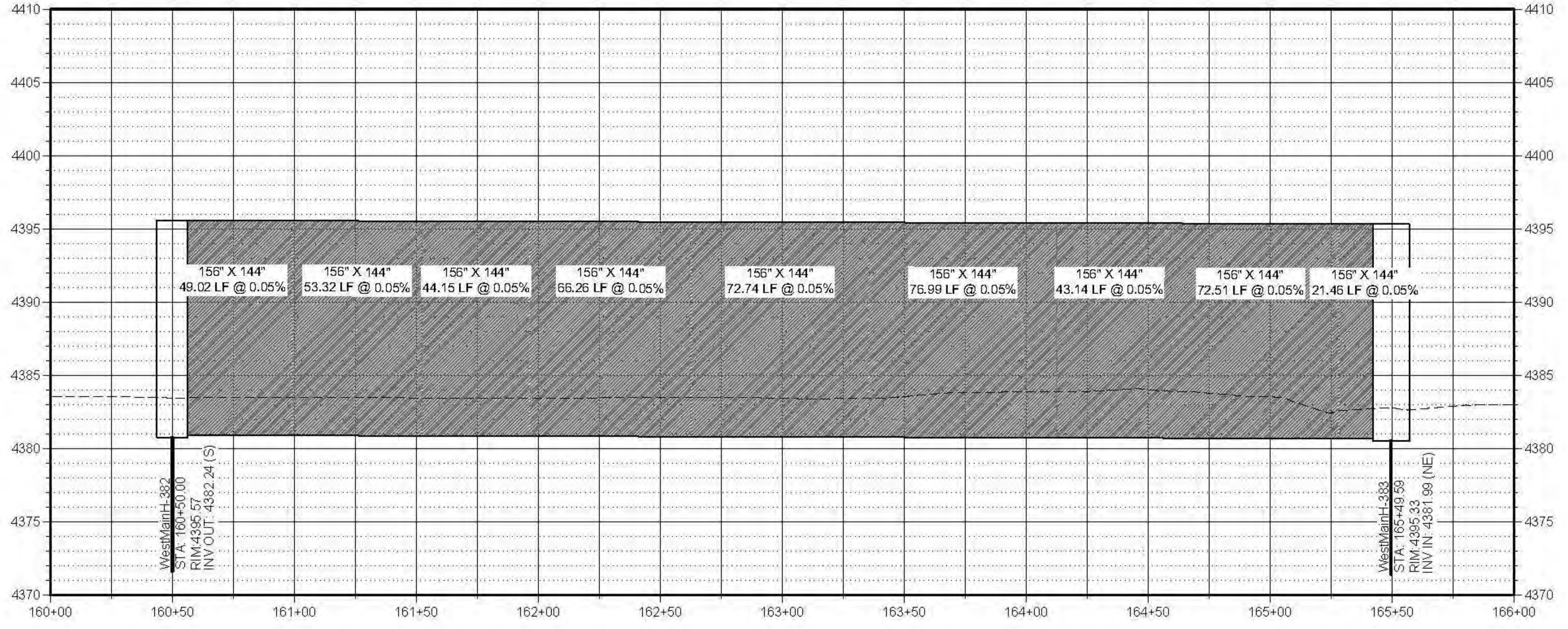
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PLAN AND PROFILE

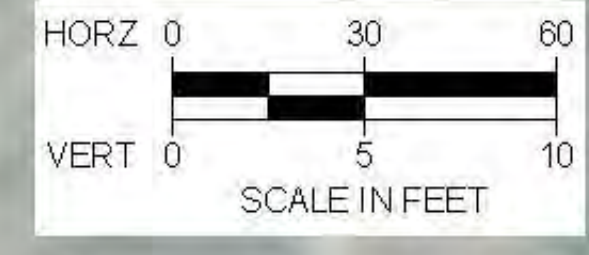
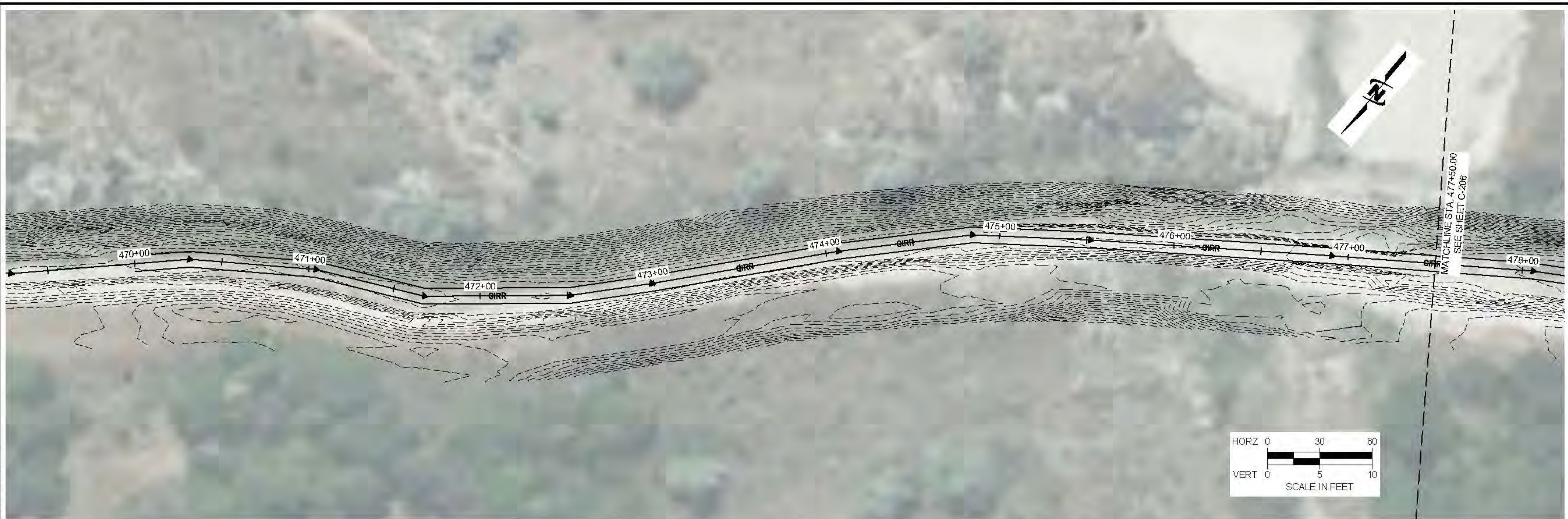


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 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ##
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2023
 SHEET NUMBER:
C-204

FileD: 06/20/2025 10:09 AM Plotted By: P. Jake Achenbach
 Date: 06/20/2025 10:09 AM Comment: ALTERNATIVE 2 - BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 C:\AD\PROJECTS\2025\07\010\LOWER BEAR WATERSHED\DESIGN\BRCC\CAD\SHEETS\NOSIPHONS\C-204.dwg



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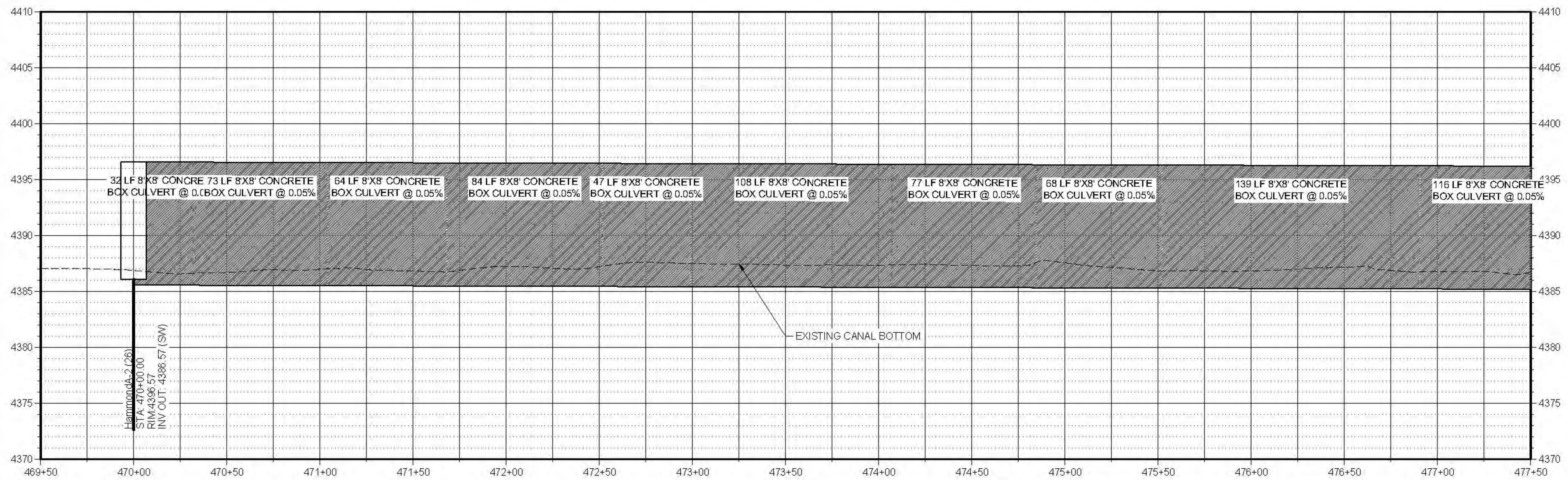


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NO.	DESCRIPTION	BY	DATE

Plot: 46920225 10:55 AM Filed By: P. Mike Alenbach
Date: 02/28/2025 09:02:02 MUB COMMENTED CLIENT SUBMITTALS WATER CONSERVATION DISTRICT PROJECT 57-23-010 LOWER BEAR RIVER WATERSHED BRCC CANYON IMPROVEMENTS C-205.DWG



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-205.DWG
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 02/28/2025
SHEET NUMBER:
C-205

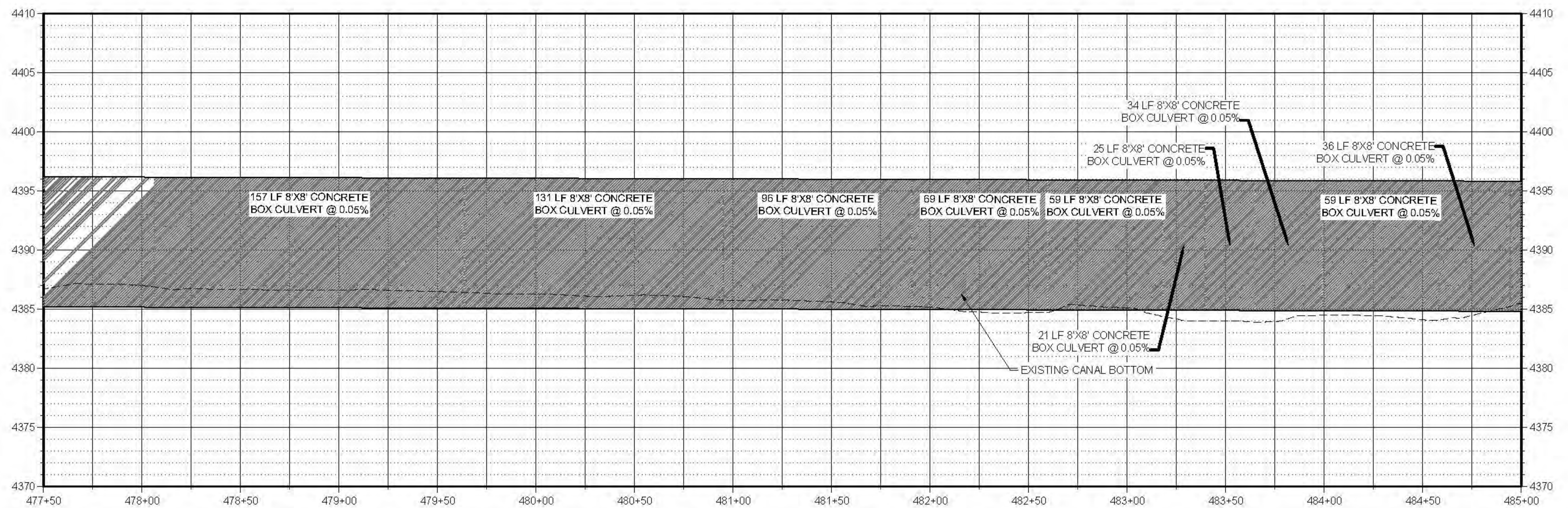
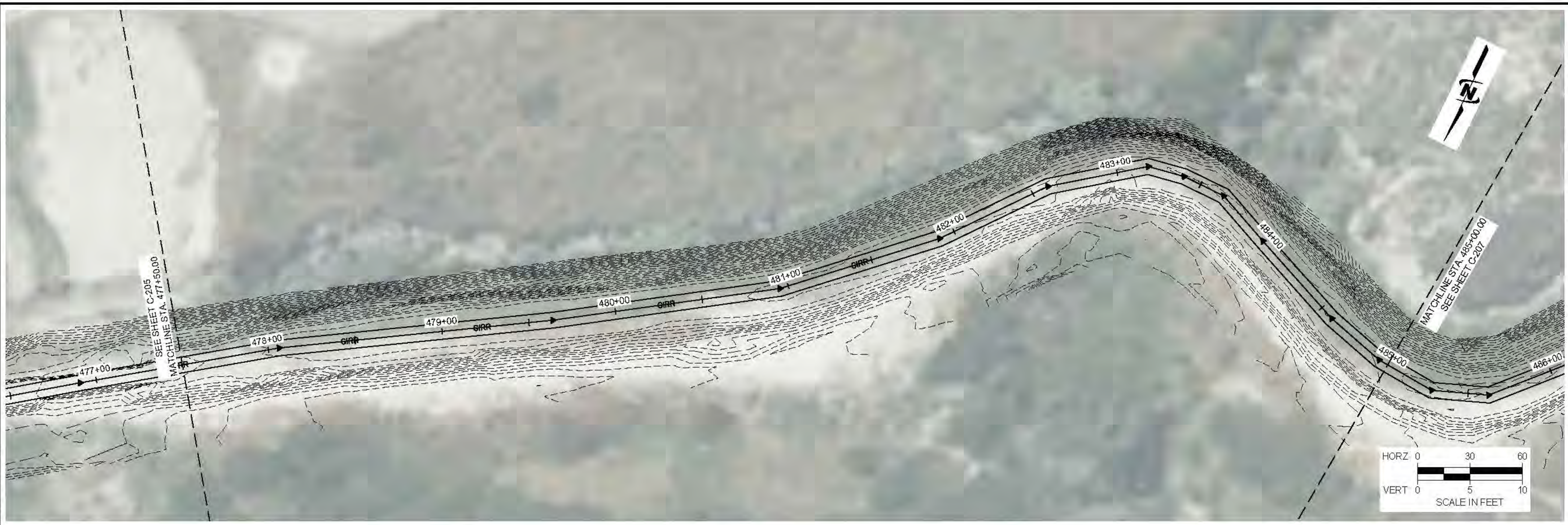


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NO.	DESCRIPTION	DATE	BY	LAYER



**LOWER BEAR RIVER EIS
 BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND**
 PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-206.dwg
 JUB PROJ #: 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:

C-206

Plot: 46/02/2025 10:57 AM Plotted By: P. J. A. Alenbach
 Date: 09/28/2025 10:57 AM Plotted By: P. J. A. Alenbach
 File: 57-23-010_NOSIPHONS_C-206.dwg



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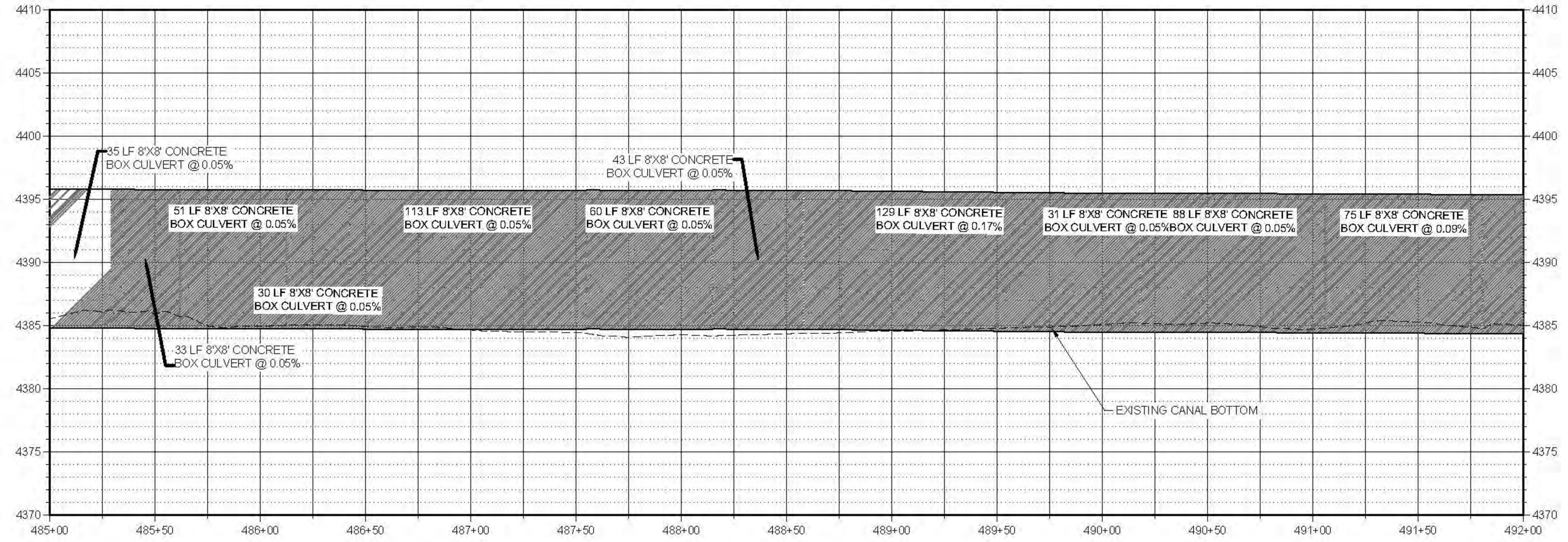
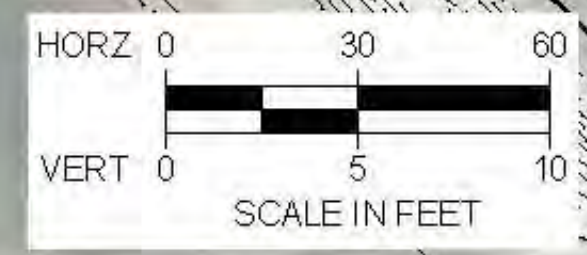
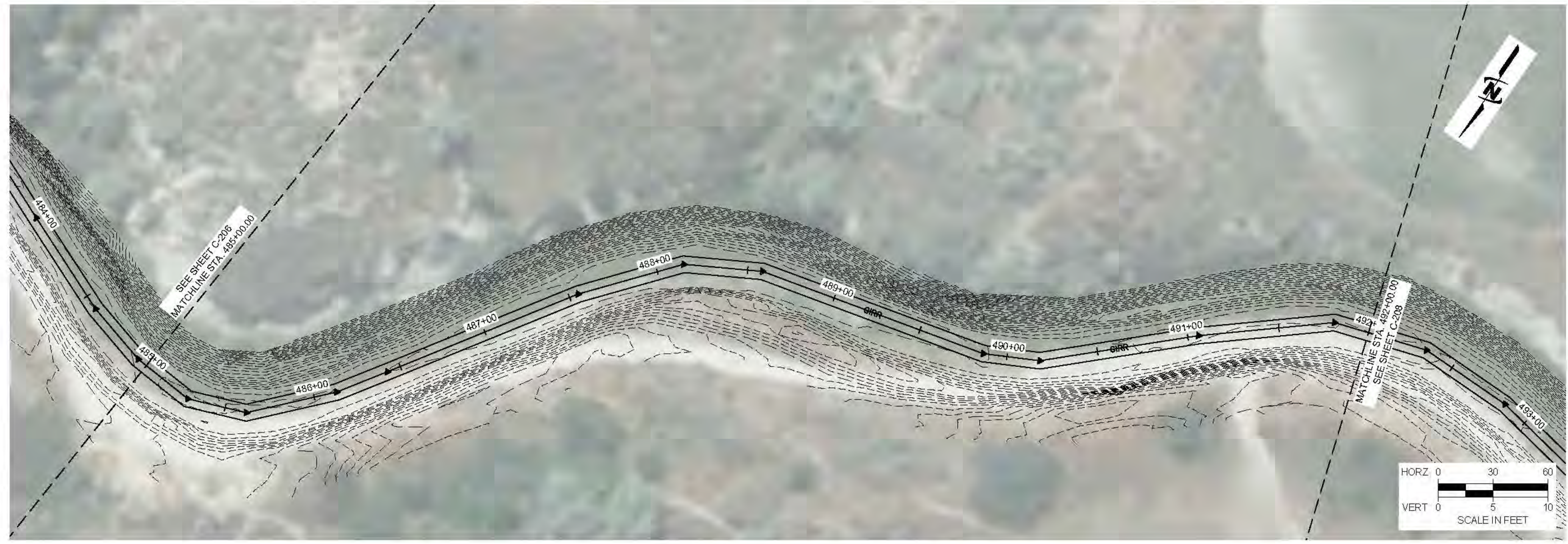
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NO.	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-207
 JUB PROJ #: 157-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-207



Plot: 46/26/2025 10:57 AM Filed By: P. J. Allenbach
 Date: 09/28/2025 JUB COMMENT: 157-23-010 LOWER BEAR RIVER EIS BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 FILE: 57-23-010_NOSIPHONS_C-207

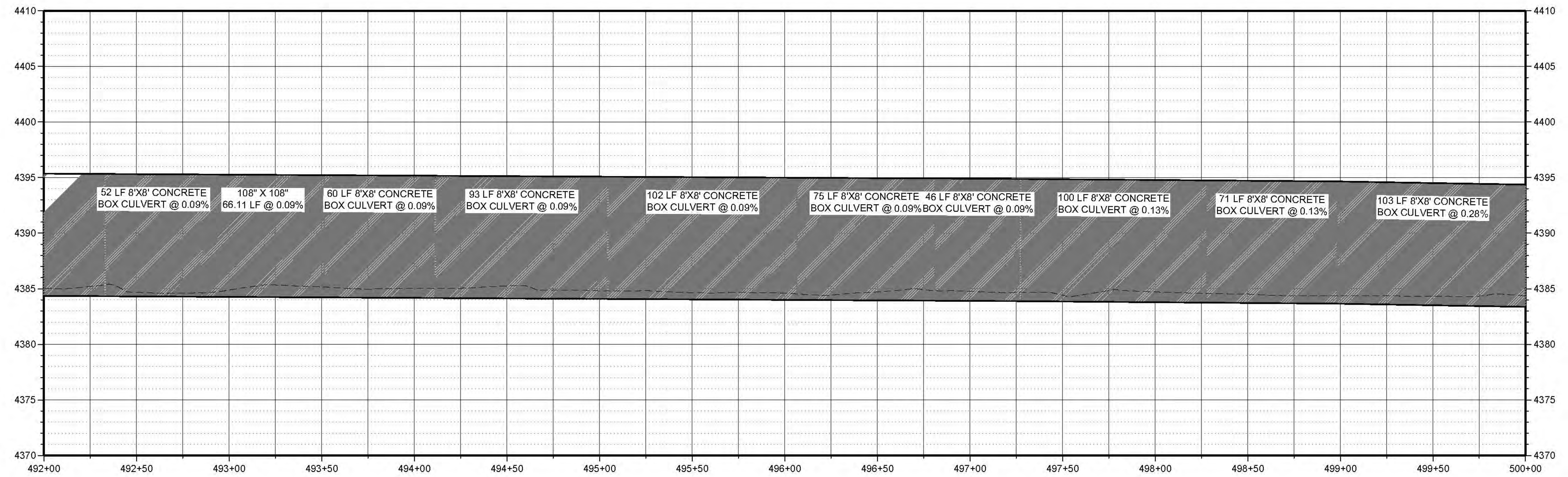
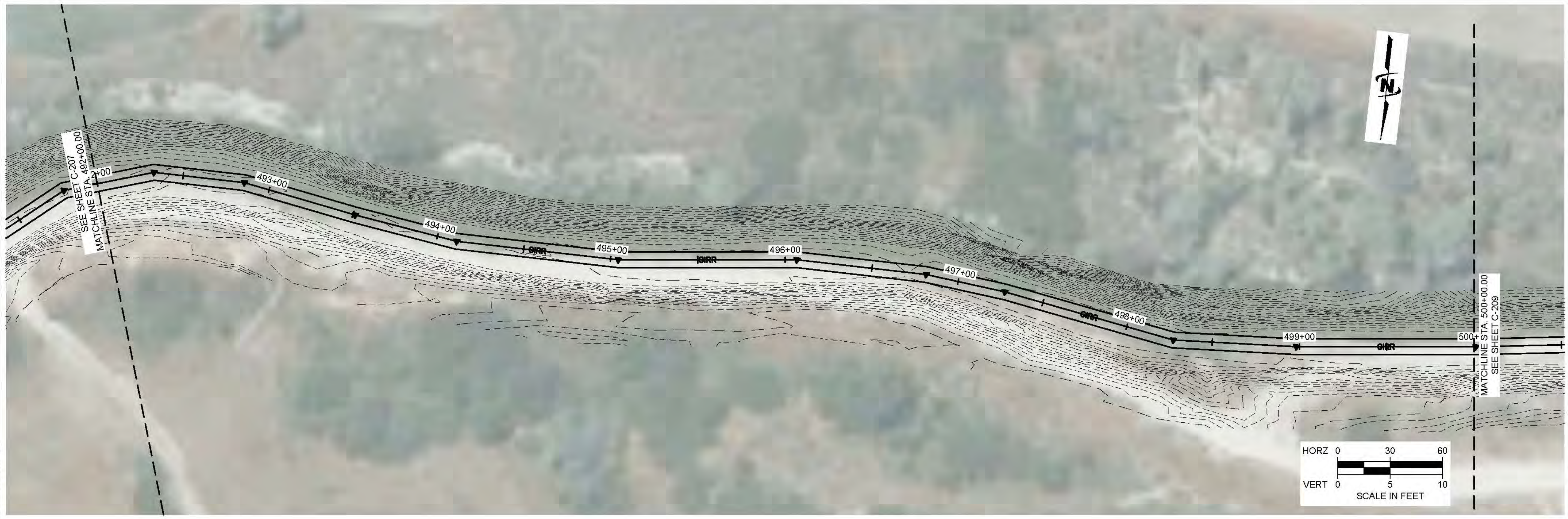


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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-208.X
 JUB PROJ # 57-23-010
 DRAWN BY: RJA
 DESIGN BY: RJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-208

File Date: 9/28/2025 10:57 AM Plotted By: Parker, Achenbach
 Date created: 9/28/2025 JUB COMMENT: ALL CLIENTS MUST BEAR RIVER WATER CONSERVATION DISTRICT PROJECT (57-23-010) LOWER BEAR RIVER EIS DESIGN BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND NOSIPHONS C-208.DWG



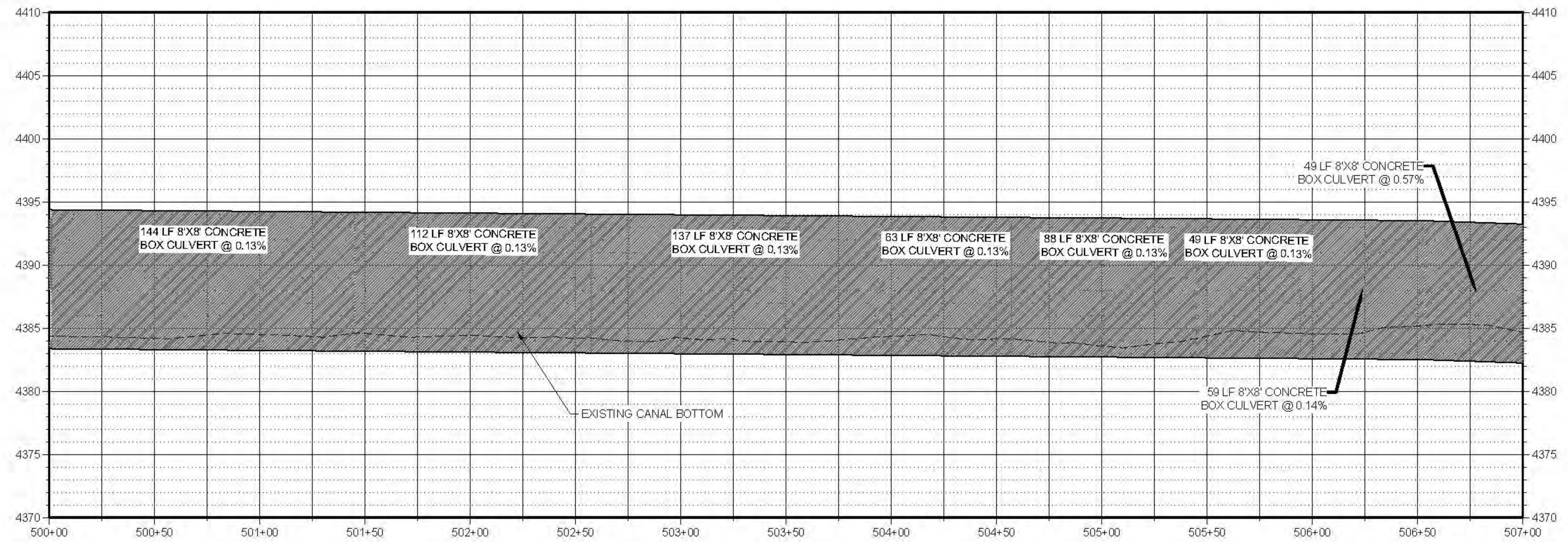
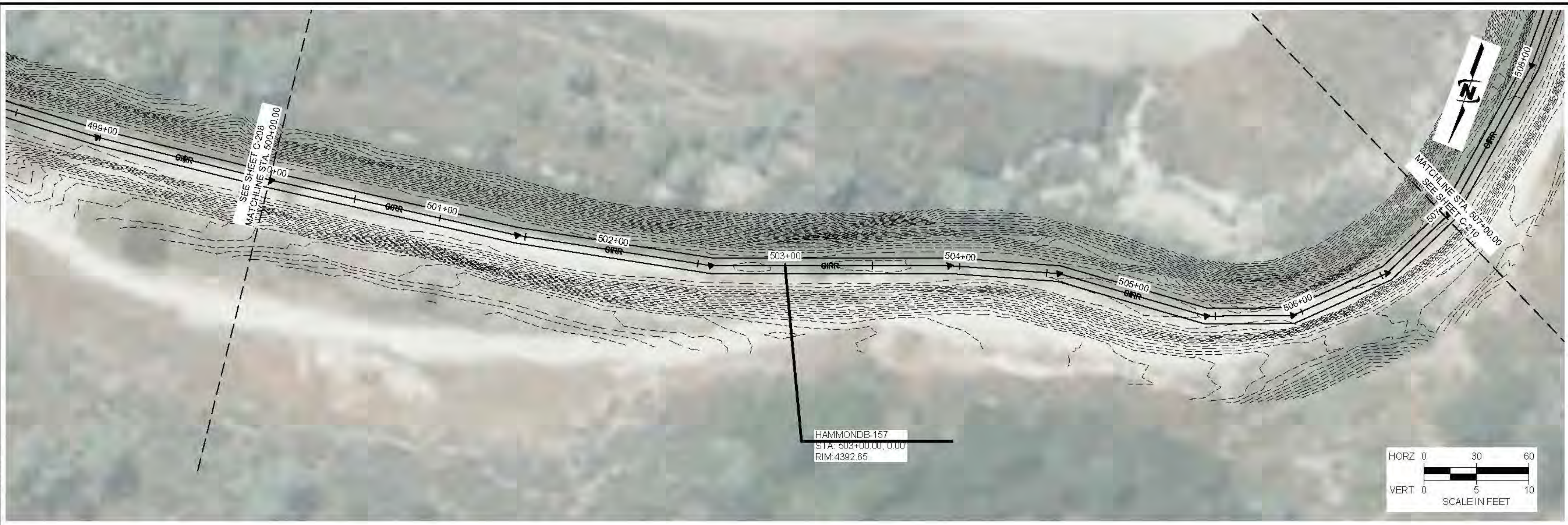
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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND

PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-209.dwg
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025
SHEET NUMBER:
C-209

Plot: 046:20250205 10:57 AM Plotted By: P. J. Allenbach
Date: 04/29/2025 10:57 AM
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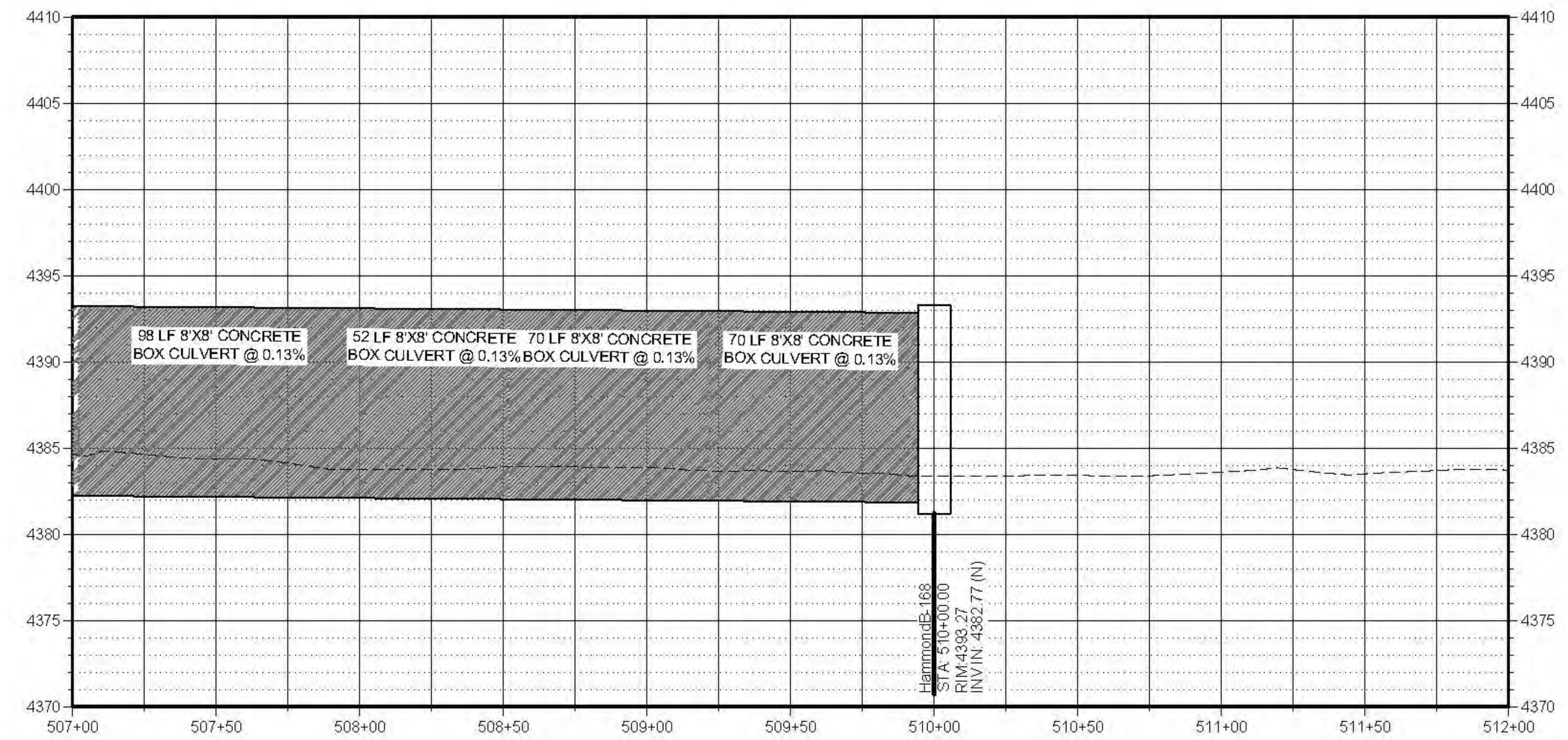
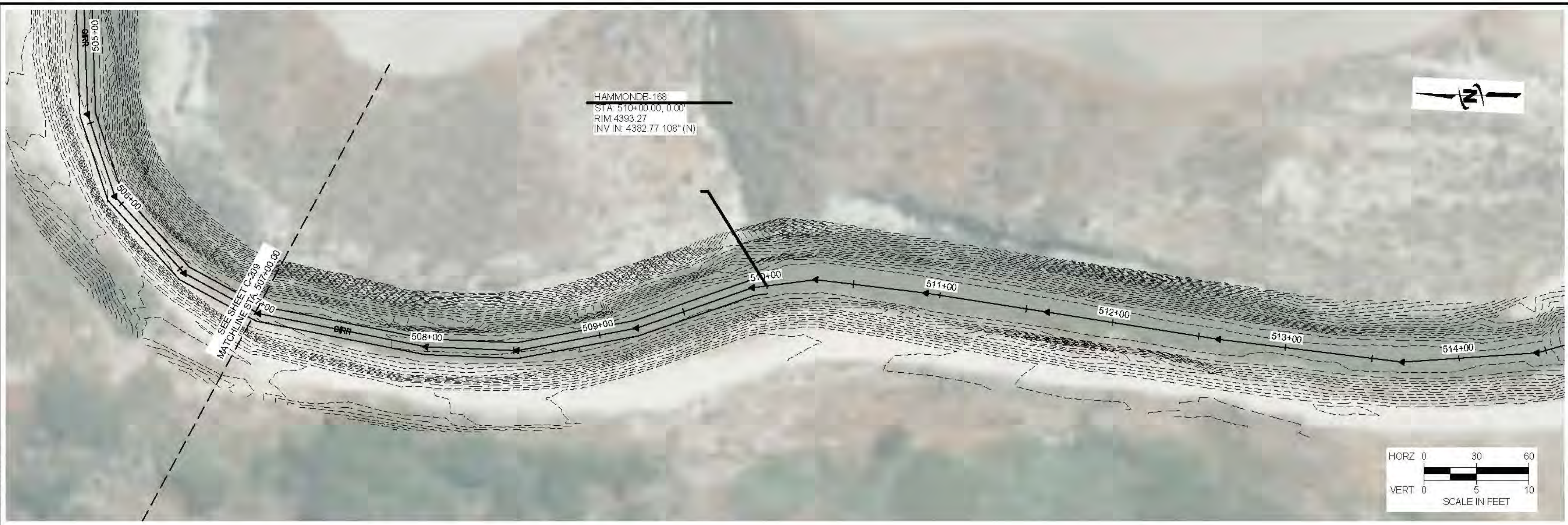


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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010 NOSIPHONS C-2010
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025
SHEET NUMBER:
C-210

File D:\6192020205 10:09 AM Plotted By: P. J. Achenbach
 Date: 09/28/2025 10:09 AM
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 Date: 09/28/2025 10:09 AM

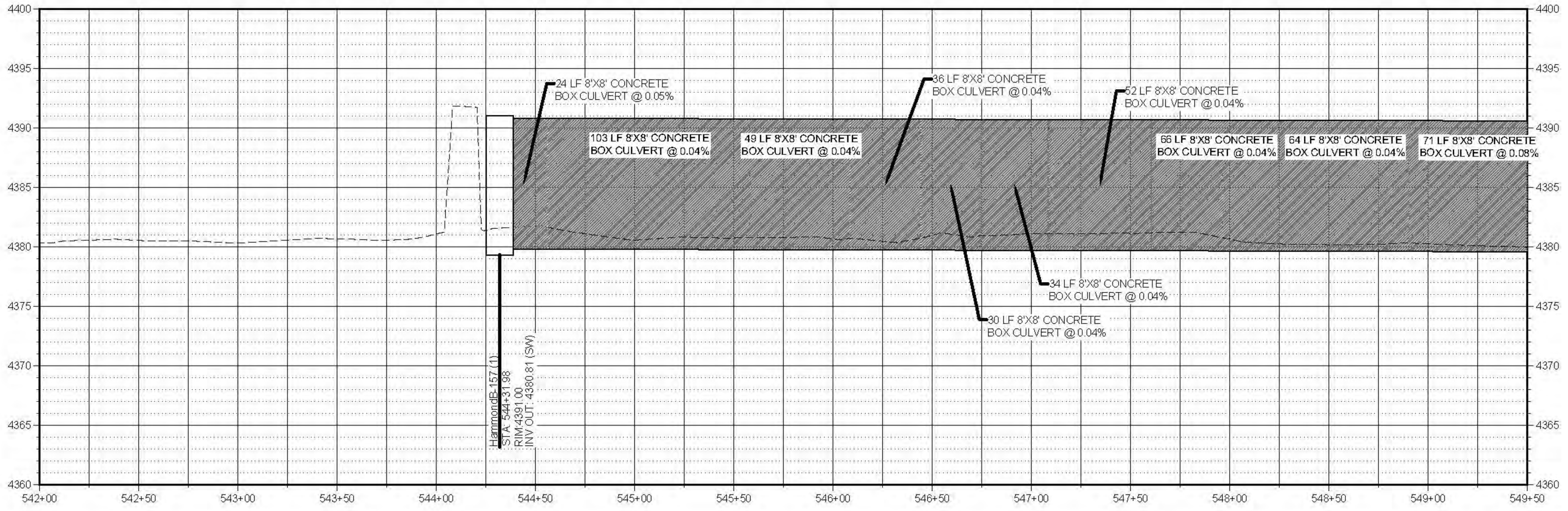
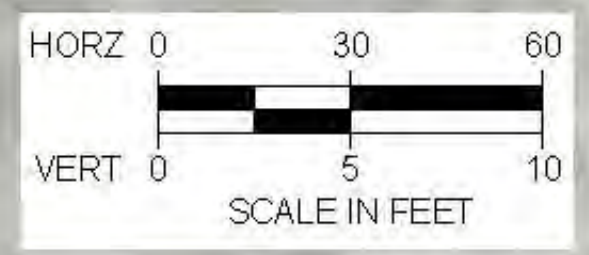


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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010 NOSIPHONS C-201
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-211

File: 57-23-010 NOSIPHONS C-201.dwg
 Date: 9/28/2025 10:09 AM
 Plotted By: P. J. Achenbach
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 Lower Bear River Watershed EIS BRCC Canyon Improvements Alt 2 - Hammond
 Sheet: NOSIPHONS C-201

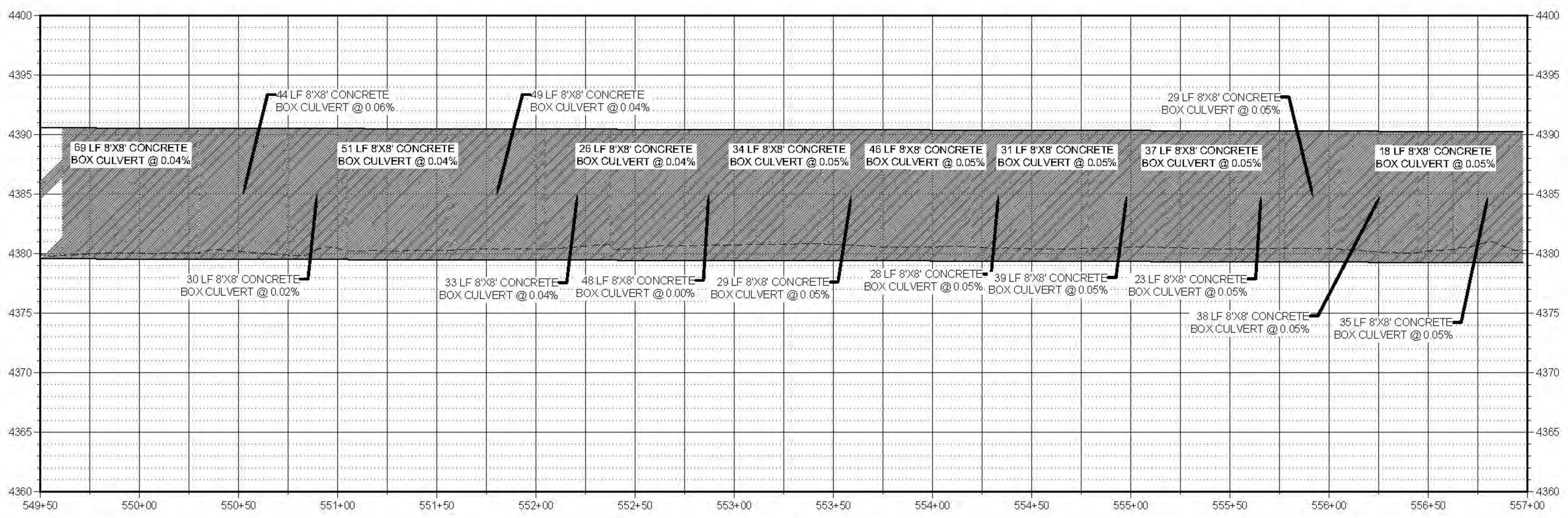


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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-201X
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 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-212

Plot 0:46:52/2025 10:09 AM Plotted By: P. Mike Achenbach
 Date: 09/28/2025 10:09 AM
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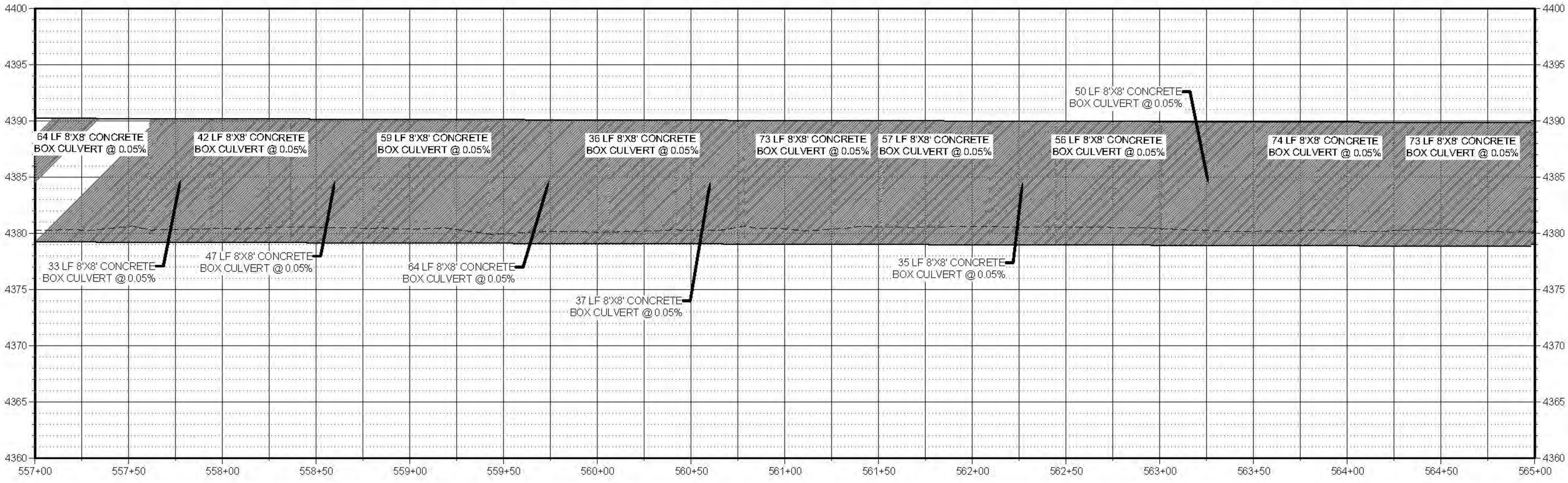
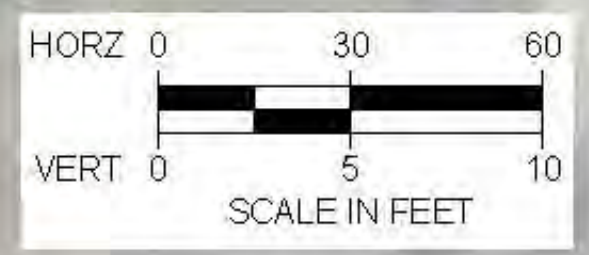


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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-213
JUB PROJ #: 57-23010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-213

Plot Date: 9/28/2025 10:09 AM Plotted By: P. Aker, Akerbach
Date: 9/28/2025 10:09 AM Plotted By: P. Aker, Akerbach

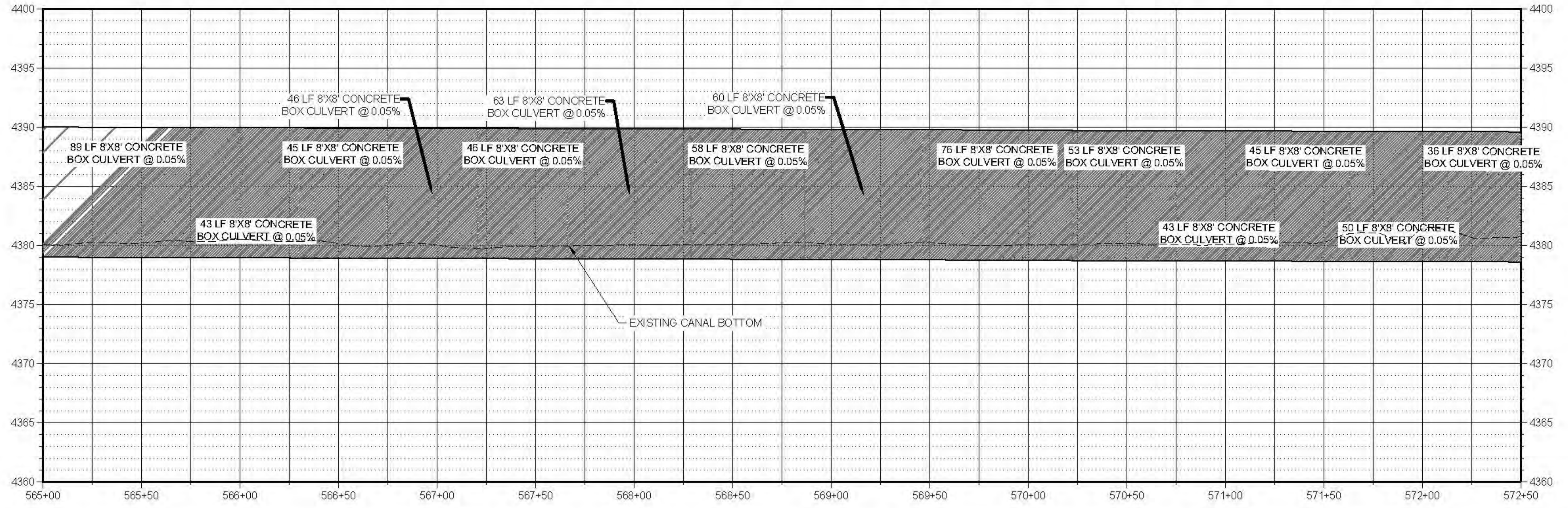


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PLAN AND PROFILE

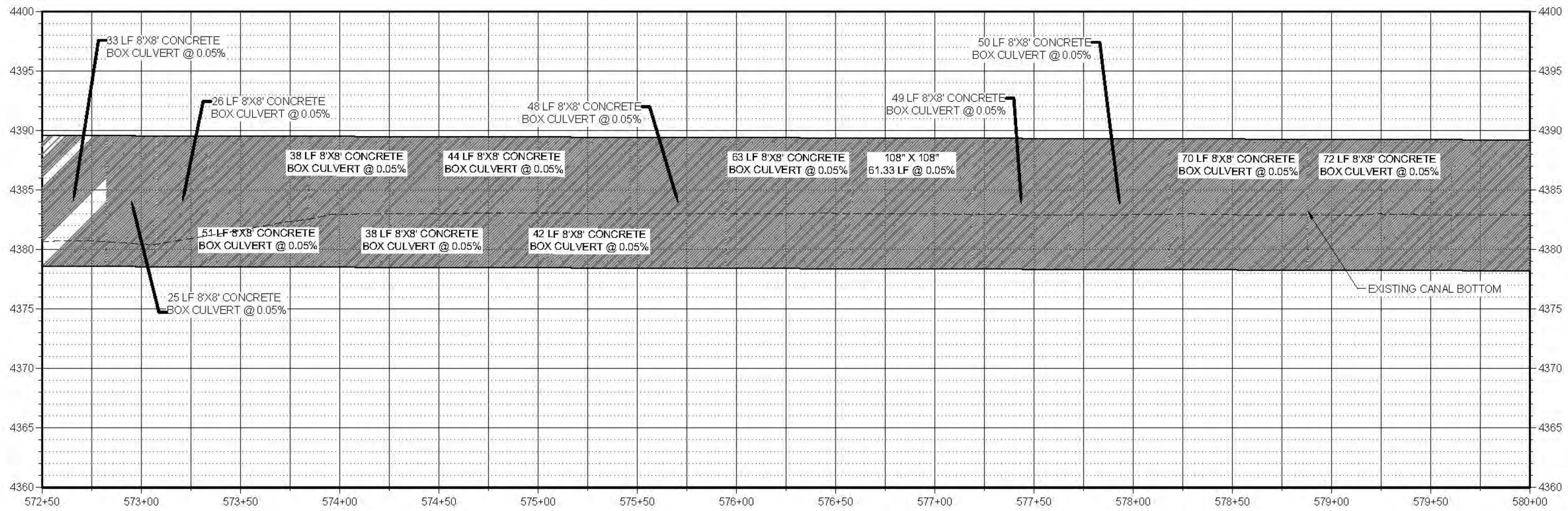
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 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-214

Plot Date: 9/28/2025 10:09 AM Plotted By: P. J. Achenbach
 Date: 9/28/2025 10:09 AM Comment: CLIENT SUBMITTED WATER CONSERVATION PROJECT 57-23010 LOWER BEAR RIVER EIS BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND NOSIPHONS C-214.DWG



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LOWER BEAR RIVER EIS
 BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-215
 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-215

File D:\619202025 10:09 AM Plotted By: P. J. Achenbach
 Date: 9/28/2025 10:09 AM
 Path: C:\Users\pja\OneDrive\Documents\57-23010 Lower Bear River Watershed EIS\Subarea C-215\Sheet\NOSIPHONS C-215.dwg

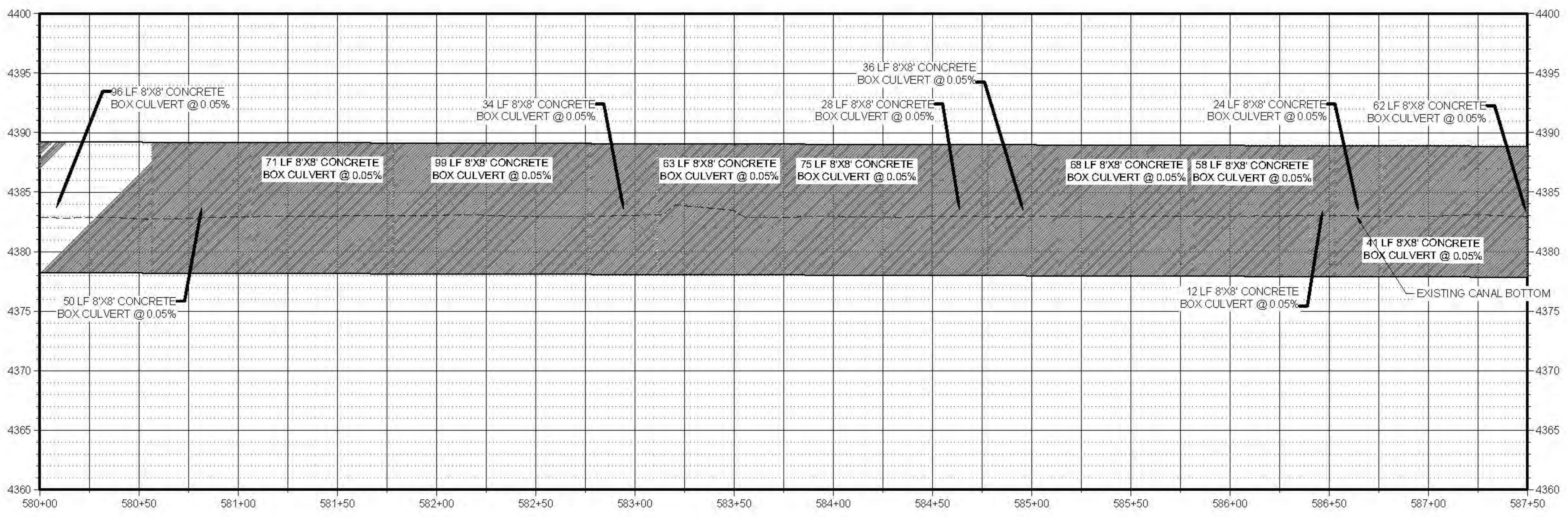


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NO.	REVISION	DESCRIPTION	BY	DATE



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010 NOSIPHONS C-201X
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-216

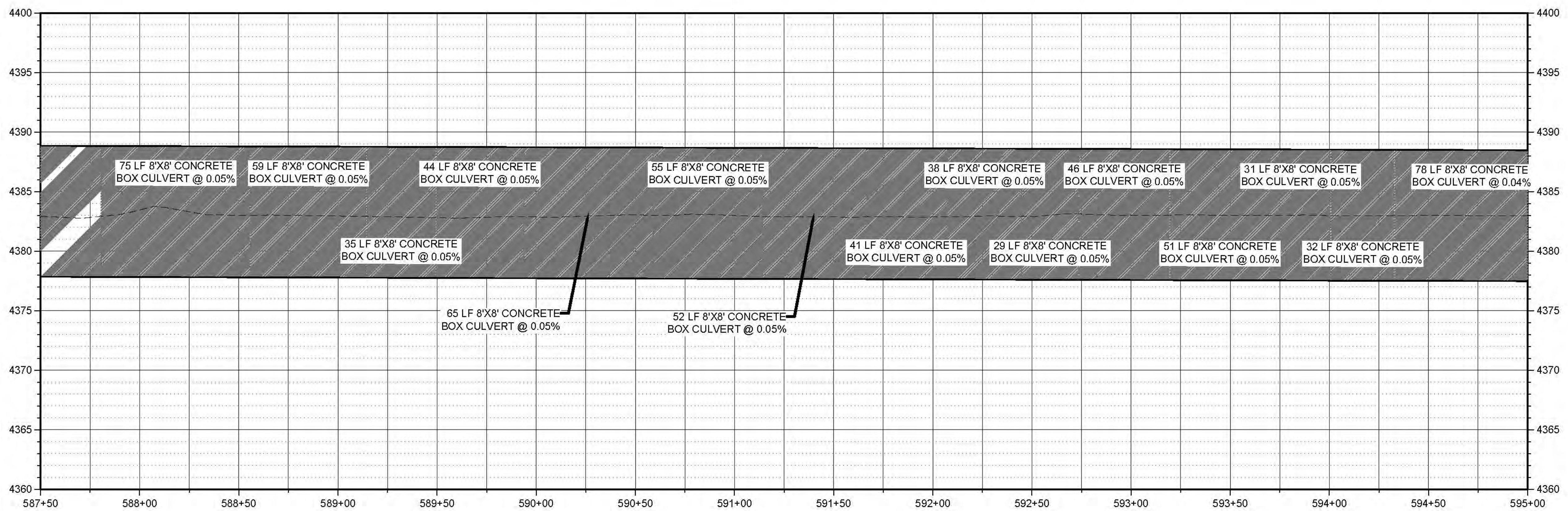
Plot Date: 9/28/2025 10:09 AM Plotted By: P. Aker, Akerbach
Date Checked: 9/28/2025 WUB COMMENT: CLIENT SUITABLE RIVER WATER CONSERVATION PROJECT 57-23-010 LOWER BEAR RIVER WATERSHED EIS SUBPROJECT 23-010 NOSIPHONS C-201X.DWG

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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-217.X
 JUB PROJ #: 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/26/2025

SHEET NUMBER:
C-217

File Date: 9/26/2025 10:59 AM Plotted By: Parker, Aileenbach
 Date Created: 9/26/2025 JUB COMMENT: TRACILYENT\SVT\THE BEAR RIVER\WATER CONSERVATION\DISTRICT PROJECT\57-23-010 LOWER BEAR RIVER WATERSHED DESIGN\BRCC CANYON IMPROVEMENTS_C-201X.DWG



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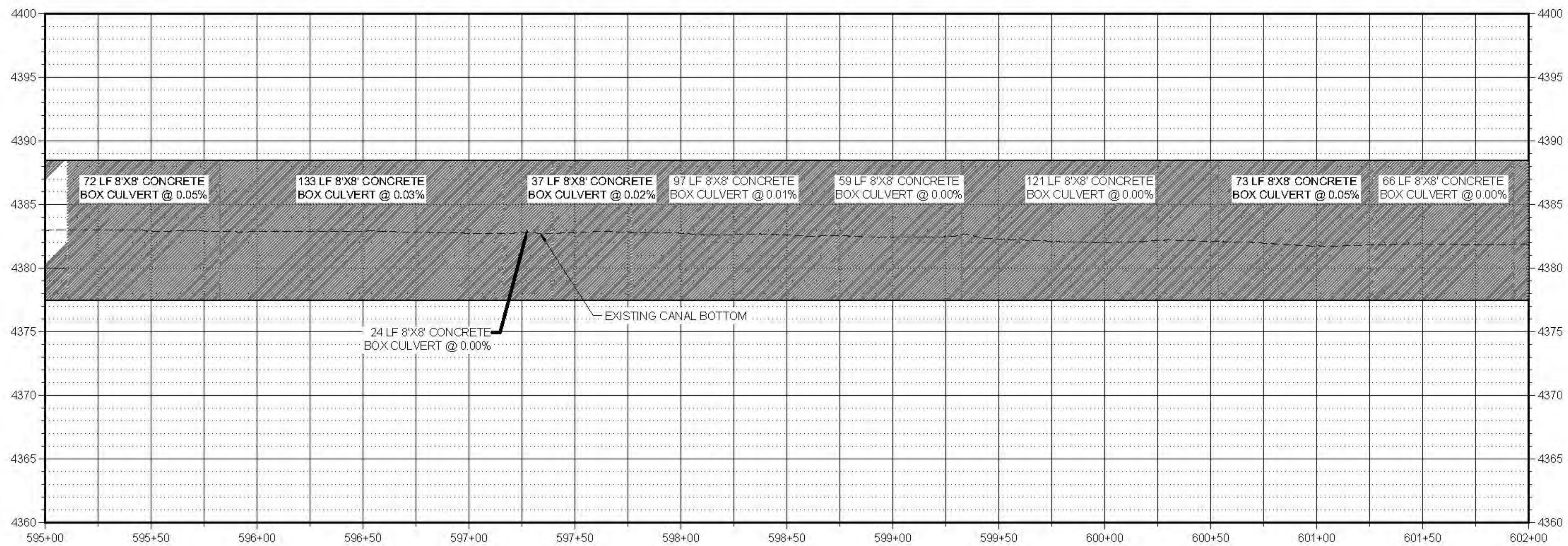
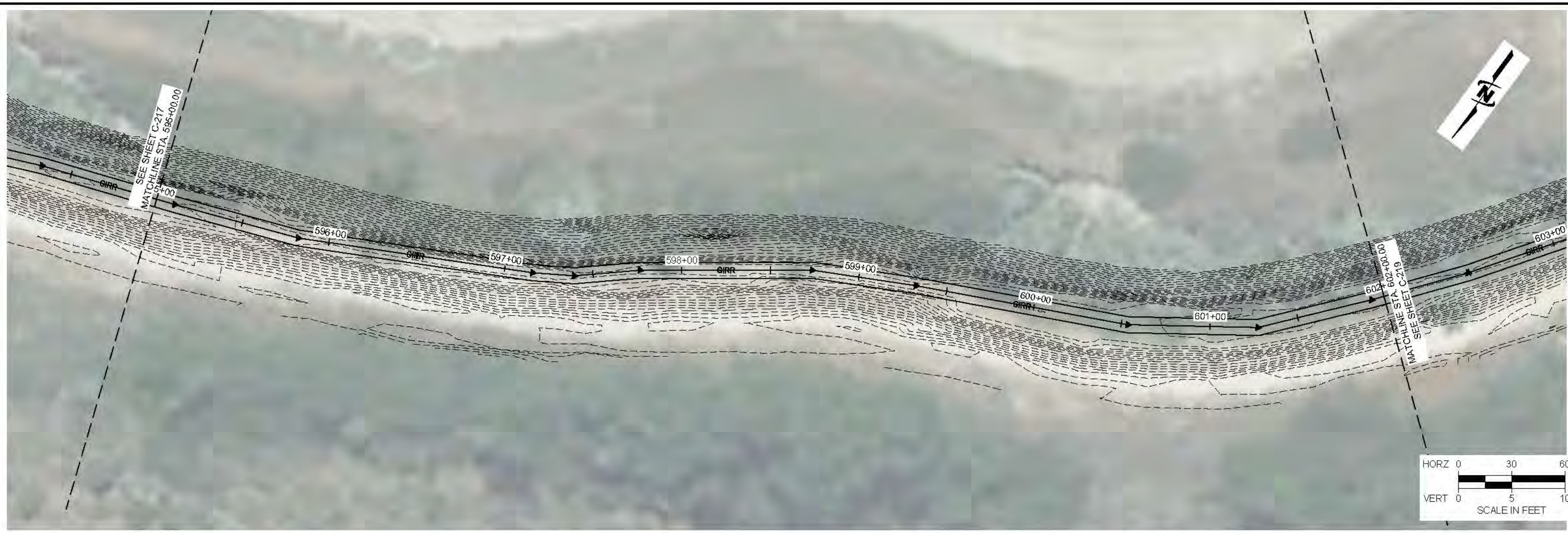
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NO.	REVISION	DESCRIPTION	BY	DATE

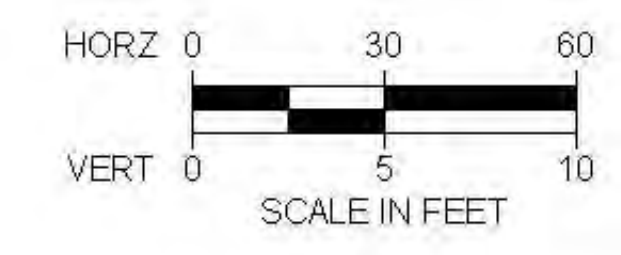
LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23-010_NOSIPHONS_C-201X
JUB PROJ #: 57-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-218



Plot 0: 09/28/2025 11:00 AM Plotted By: P. J. Allenbach
Date: 09/28/2025 JUB COMMENT: CLIENT SUBMITTED WATER CONSERVATION PLAN FOR THE LOWER BEAR RIVER WATERSHED EIS PROJECT 57-23-010 LOWER BEAR RIVER WATERSHED EIS SUBPROJECT 23-010 NOSIPHONS C-201X.DWG



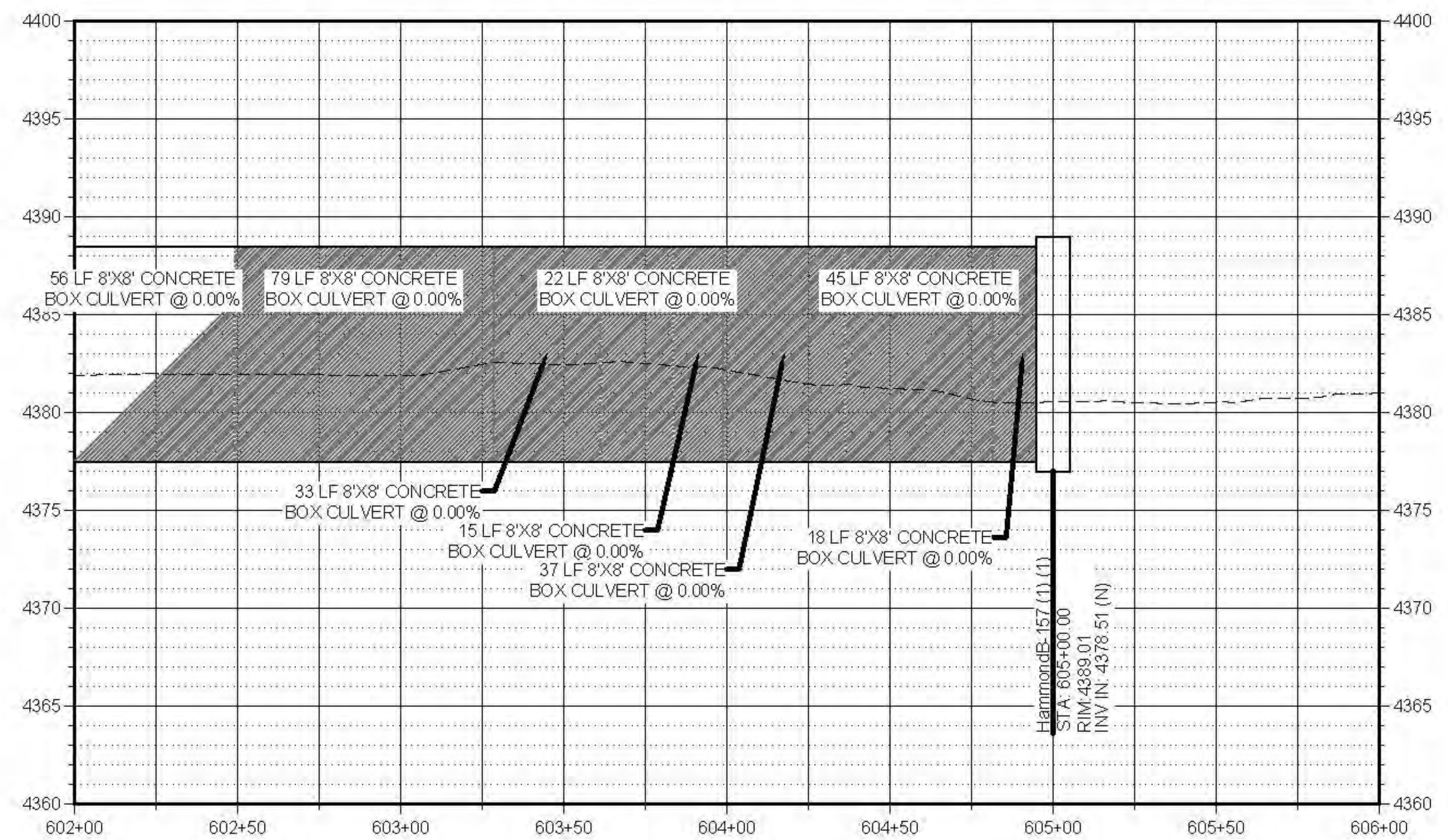
JUB
J-U-B ENGINEERS, INC.
 J-U-B ENGINEERS, INC.
 1047 South 100 West
 Suite 180
 Logan, UT 84321
 Phone: 435.713.9514
 www.jub.com

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NO.	REVISION	DESCRIPTION	BY	DATE

File D:\61-2920255 11:00 AM Plotted By: P. Aker, Achenbach
 Date: 03/28/2025 10:58 AM COMMENT: CLIENT SUITABLE RIVER WATER CONSERVATION PROJECT 23-010 LOWER BEAR WATERSHED EIS DESIGN BRCC CANYON IMPROVEMENTS 23-010 NOSIPHONS C-2019.DWG



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
 PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-2019.DWG
 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-219

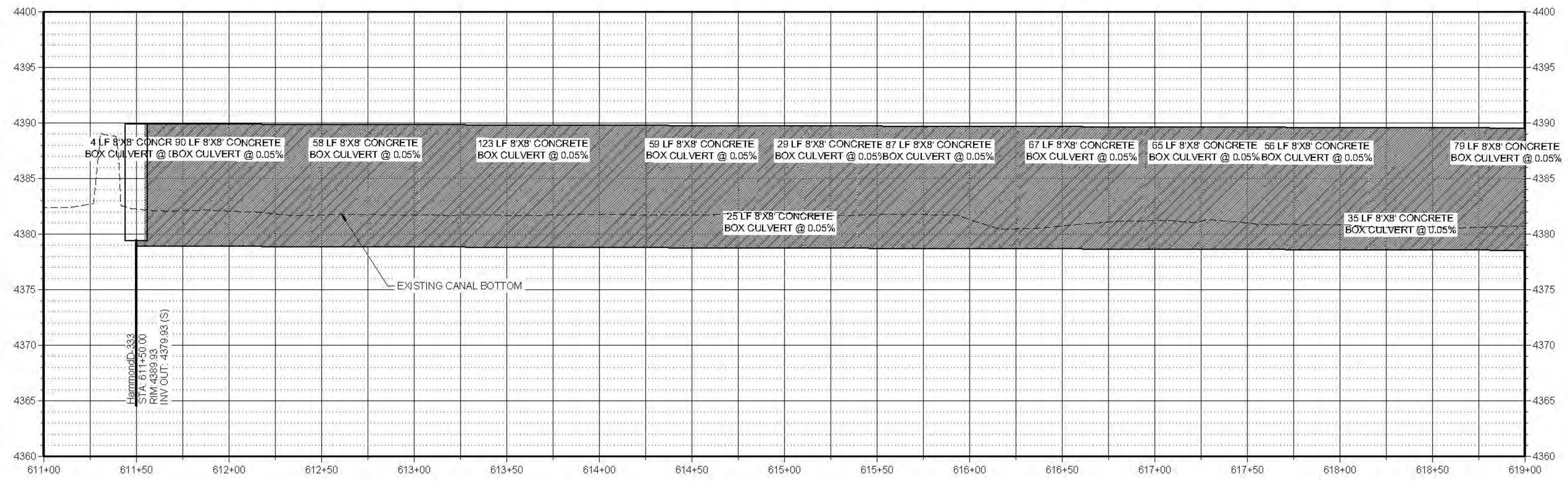


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NO.	REVISION	DESCRIPTION	DATE	BY	LAYER



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-220
JUB PROJ #: 57-23010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-220

File: 57-23010-2025-11-03 AM Plotted By: P. Aker, Akerbach
 Date: 11/03/2025 11:03 AM Plotted By: P. Aker, Akerbach
 Date: 11/03/2025 11:03 AM Plotted By: P. Aker, Akerbach

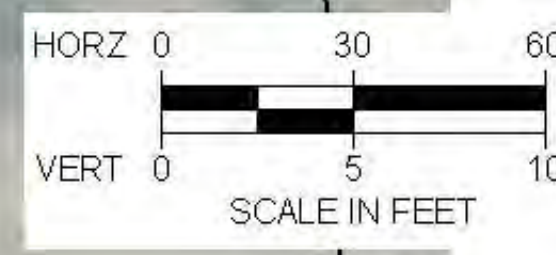
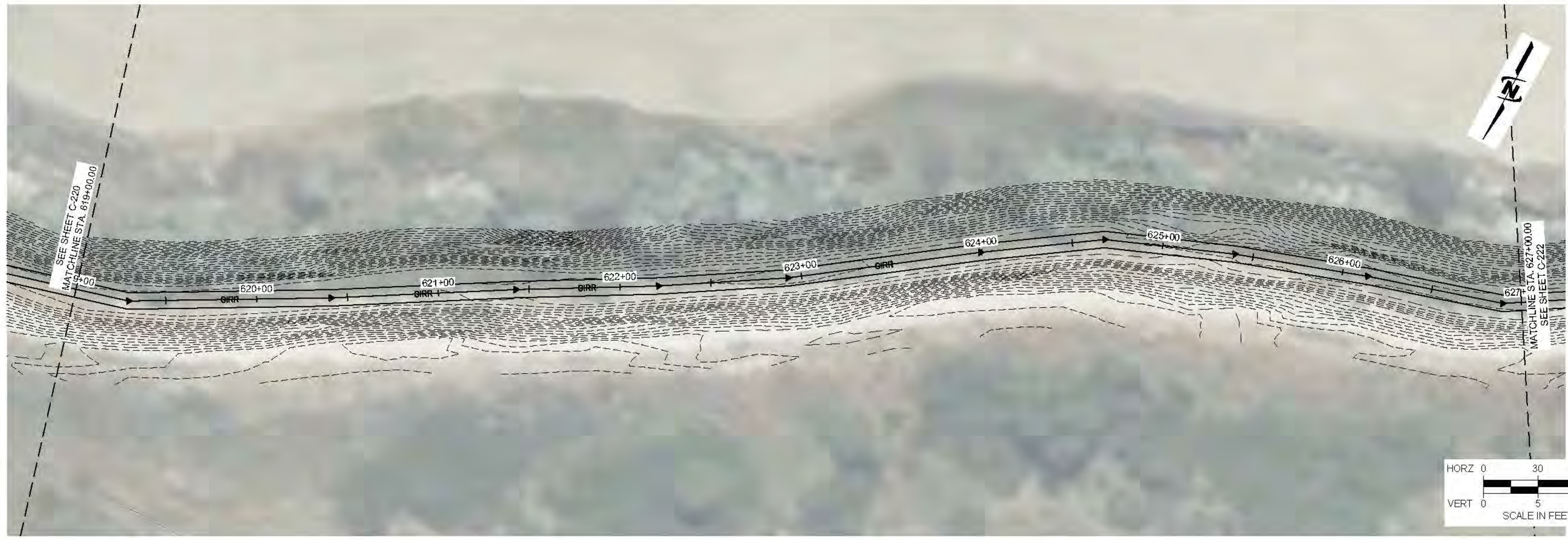


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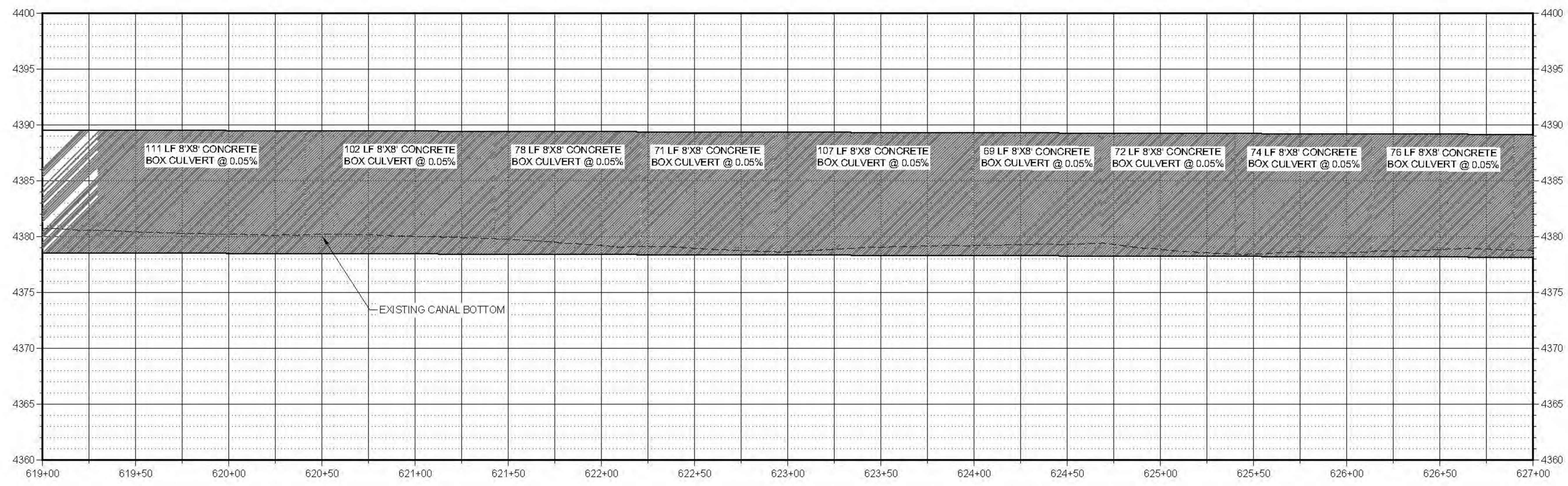
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NO.	REVISION	DESCRIPTION	BY	DATE



Plot: 06/29/2025 11:07 AM Plotted By: P. J. Achenbach
Data: 06/29/2025 09:22:02 MUB COMMENT: CLIENT SUITABLE RIVER WATER CONSERVATION PROJECT 57-23010 LOWER BEAR WATERSHED BRCC CANYON (SHEET NOSIPHONS 57-23010 NOSIPHONS C-201-C-206)

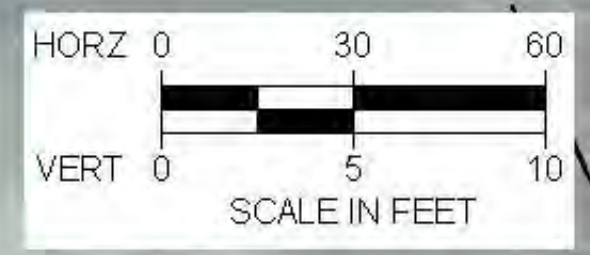
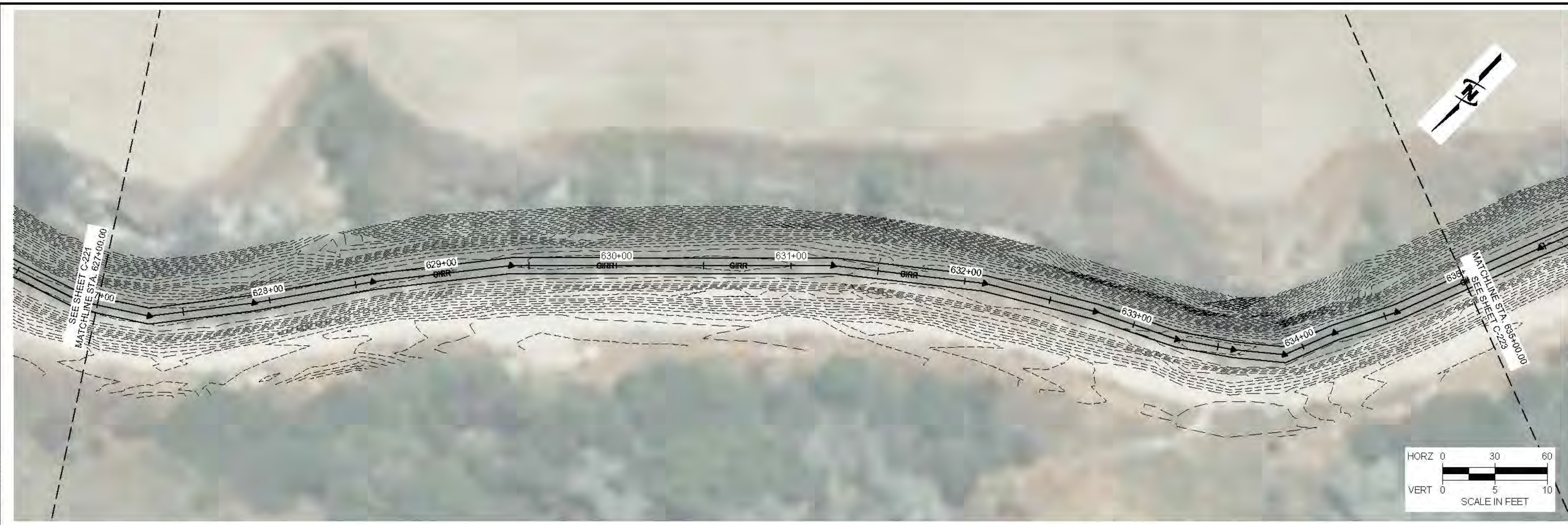


LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-201-C-206
 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-221



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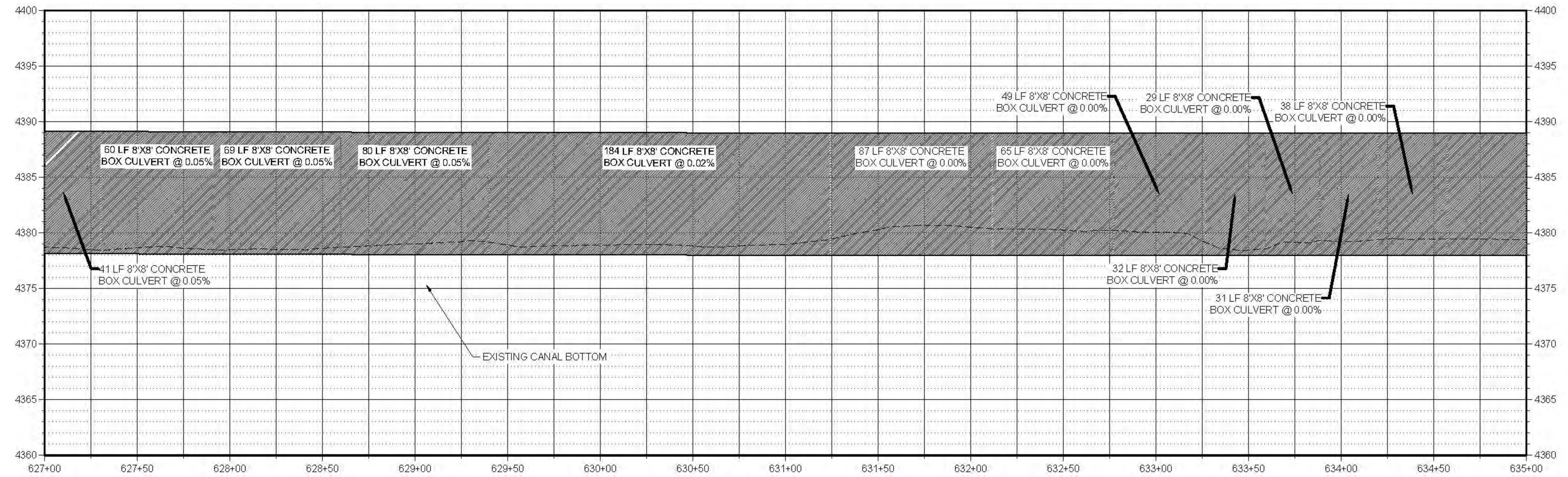


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NO.	REVISION	DESCRIPTION	BY	DATE

Plot Date: 2/28/2025 11:01 AM Plotted By: P. Aker, Akerbach Date: 2/28/2025 JUB COMMENT: CLIENTS USE THE BEAR RIVER WATER CONSERVANCY'S TRIC PROJECTS 23-010 LOWER BEAR WATERSHED DESIGN AND CONSTRUCTION 23-010 NOSIPHONS C-202-DWG



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-202
JUB PROJ #: 57-23010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 2/28/2025

SHEET NUMBER:
C-222

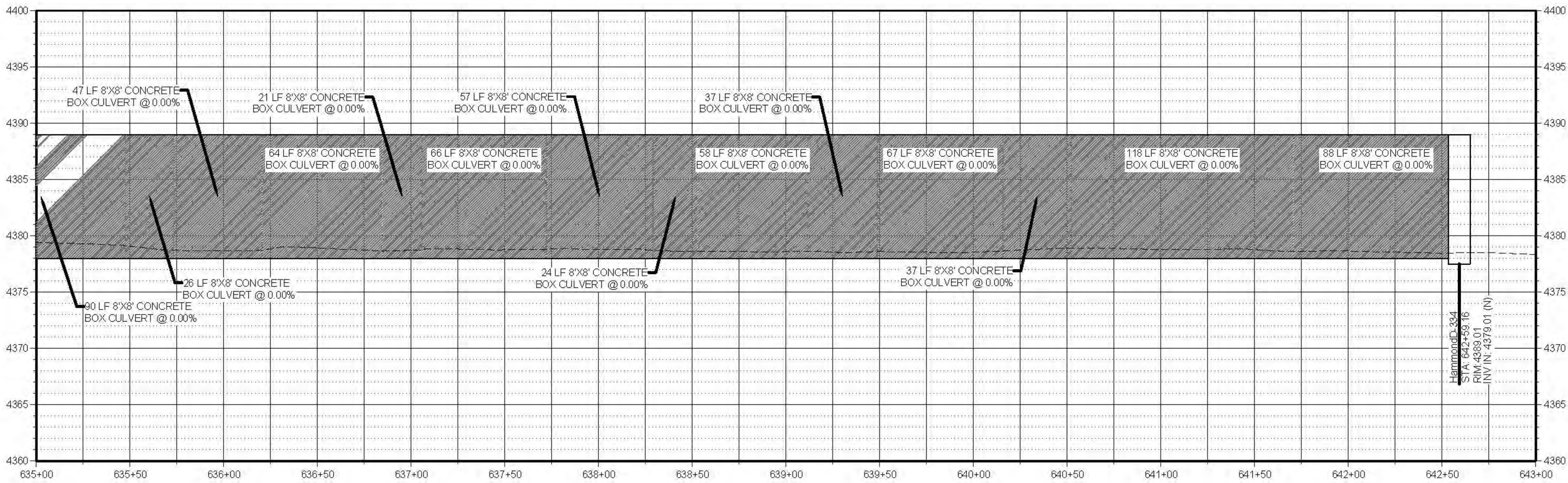
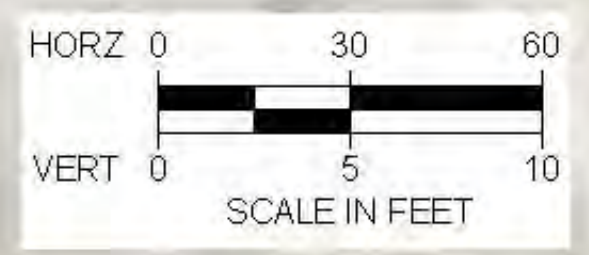


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NO.	REVISION	DESCRIPTION	BY	DATE



**LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND**

PLAN AND PROFILE

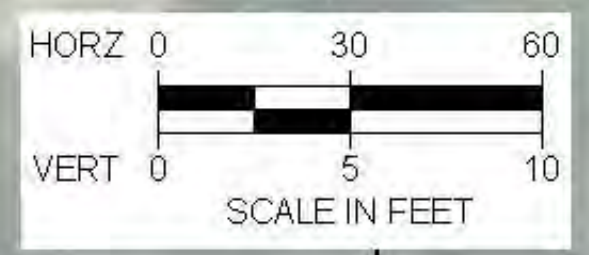
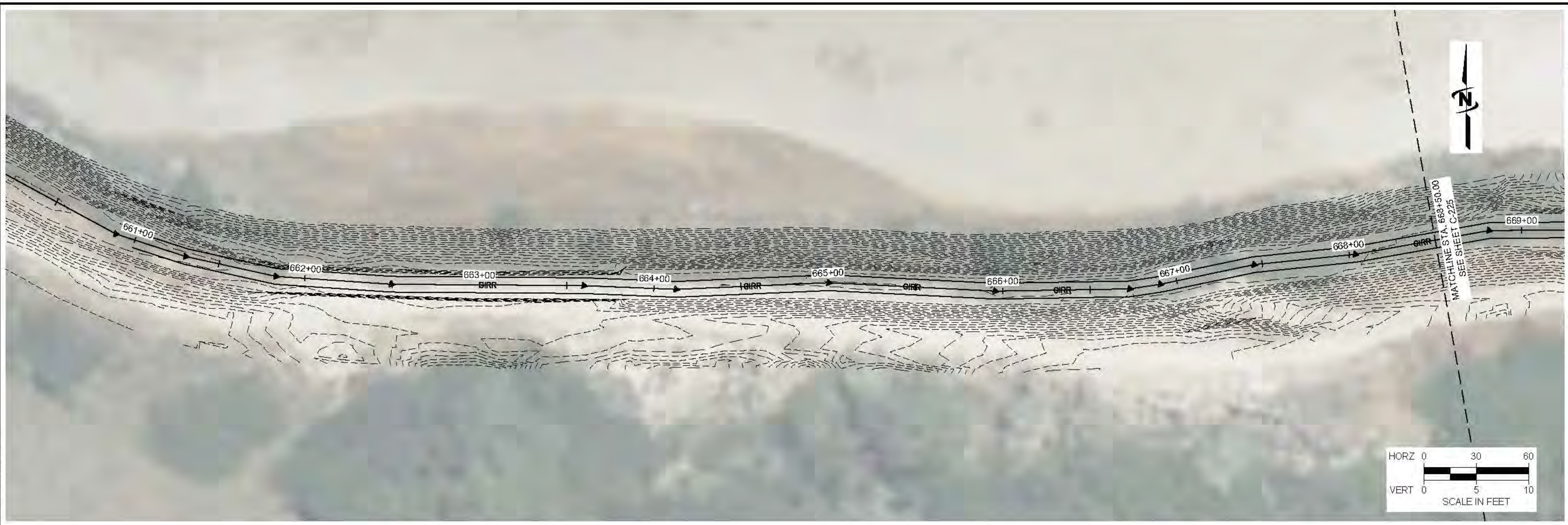
FILE: 57-23010 NOSIPHONS C-223
 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-223

File D:\619202025 11:01 AM Plotted By: P. J. Achenbach
 Date: 9/28/2025 10:25:25 AM
 C:\Users\pja\OneDrive\Documents\57-23010 Lower Bear River Watershed EIS\BRCC\Alt 2\HAMMOND\NOSIPHONS C-223.DWG



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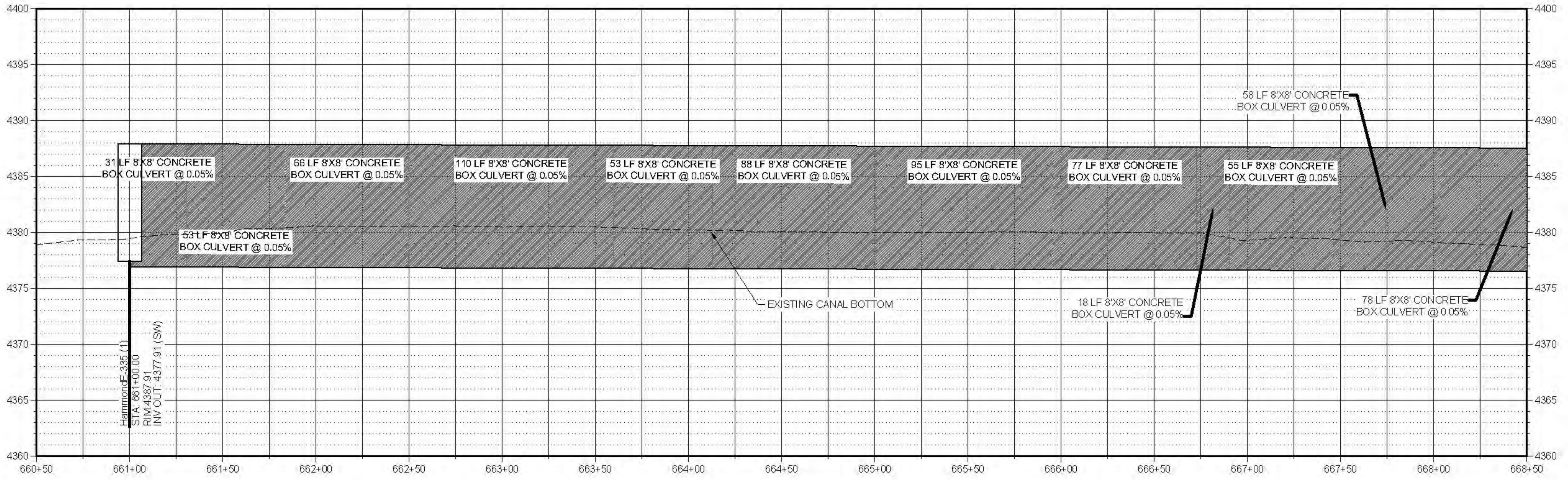
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NO.	REVISION	DESCRIPTION	BY	DATE

File D:\612920205 1101 AM Filed By: P. Aker Akerbach Date: 03/28/2025 10:02 AM COMMENT: CLIENT SUBMITTED WATER CONSERVATION PLAN FOR THE LOWER BEAR RIVER WATERSHED. THIS IS A PRELIMINARY PLAN. THE PLAN IS SUBJECT TO THE USACE AND USFWS REVIEW AND APPROVAL. THE PLAN IS SUBJECT TO THE USACE AND USFWS REVIEW AND APPROVAL. THE PLAN IS SUBJECT TO THE USACE AND USFWS REVIEW AND APPROVAL.



LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND

PLAN AND PROFILE

FILE: 57-23010 NOSIPHONS C-224
 JUB PROJ # 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: PJA

AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-224

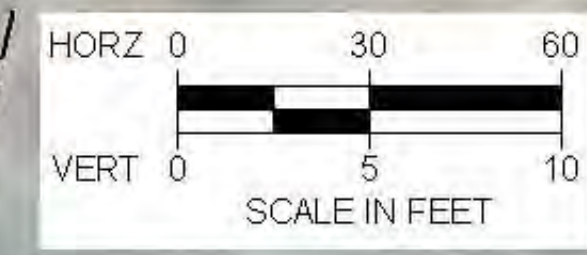
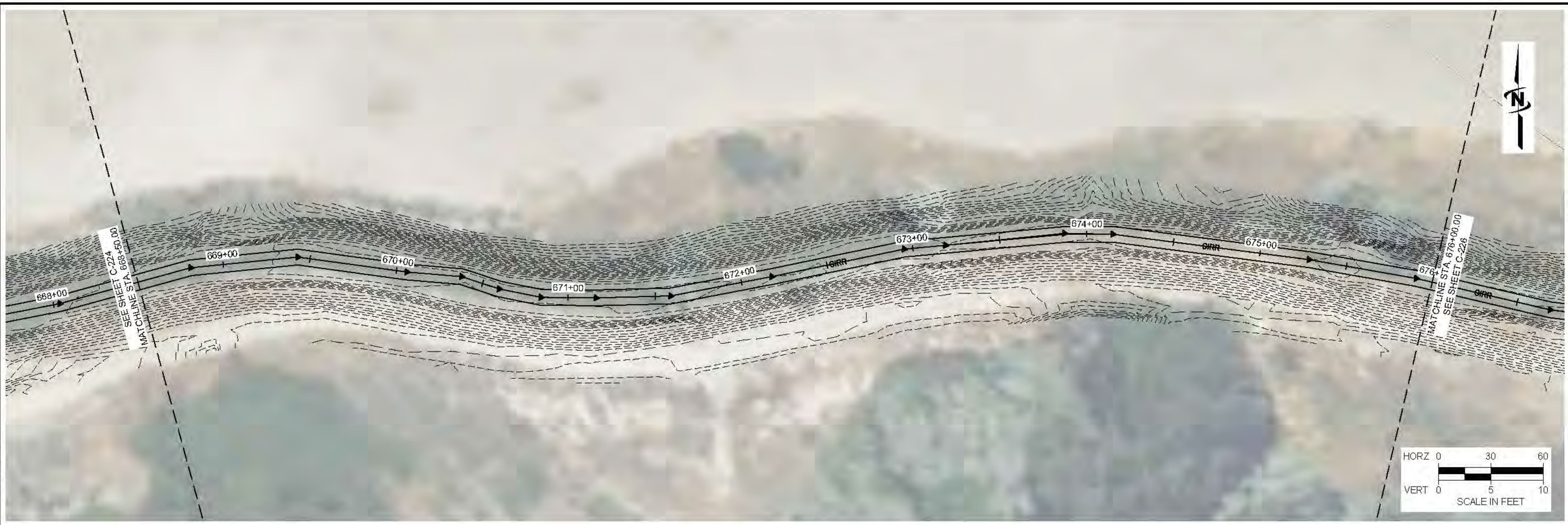


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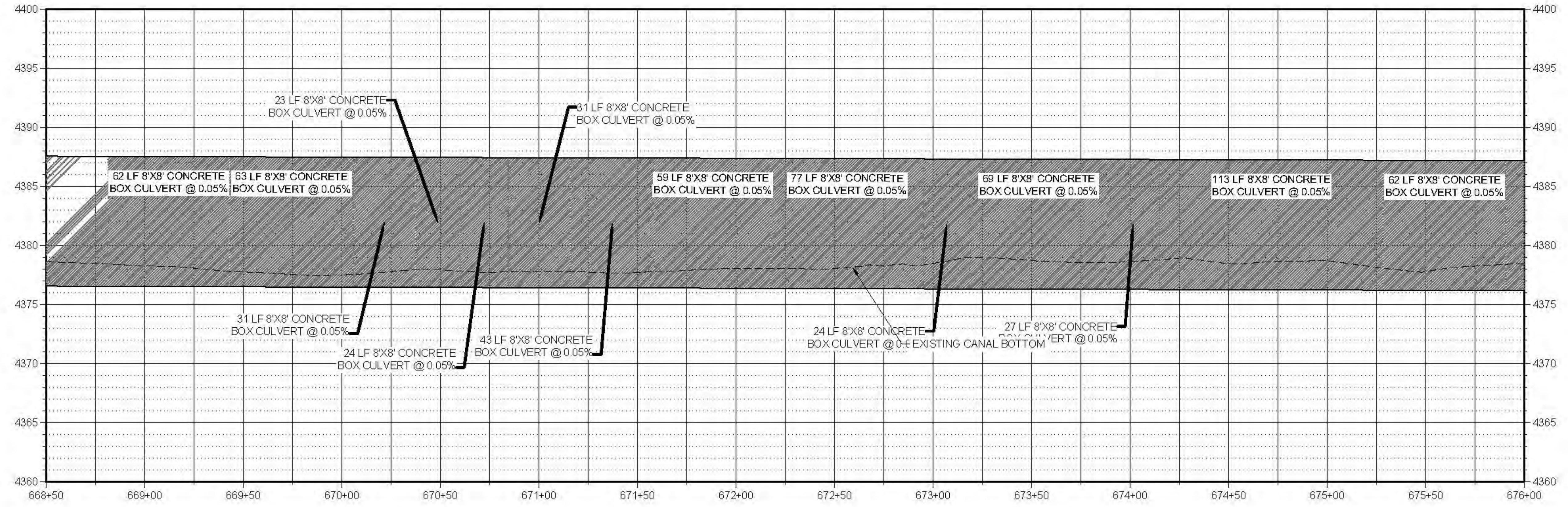
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NO.	REVISION	DESCRIPTION	BY	DATE



Plot Date: 02/20/2025 11:02 AM Plotted By: Parker, Achenbach Date Checked: 02/20/2025 JUB COMMENT: CLIENTS USE THE BEAR RIVER WATER CONSERVANCY'S TRIC PROJECT 57-23010 LOWER BEAR RIVER WATERSHED DESIGN SOURCE: CAD SOURCE: NODSIPHONS 57-23010 NODSIPHONS C-2010.DWG

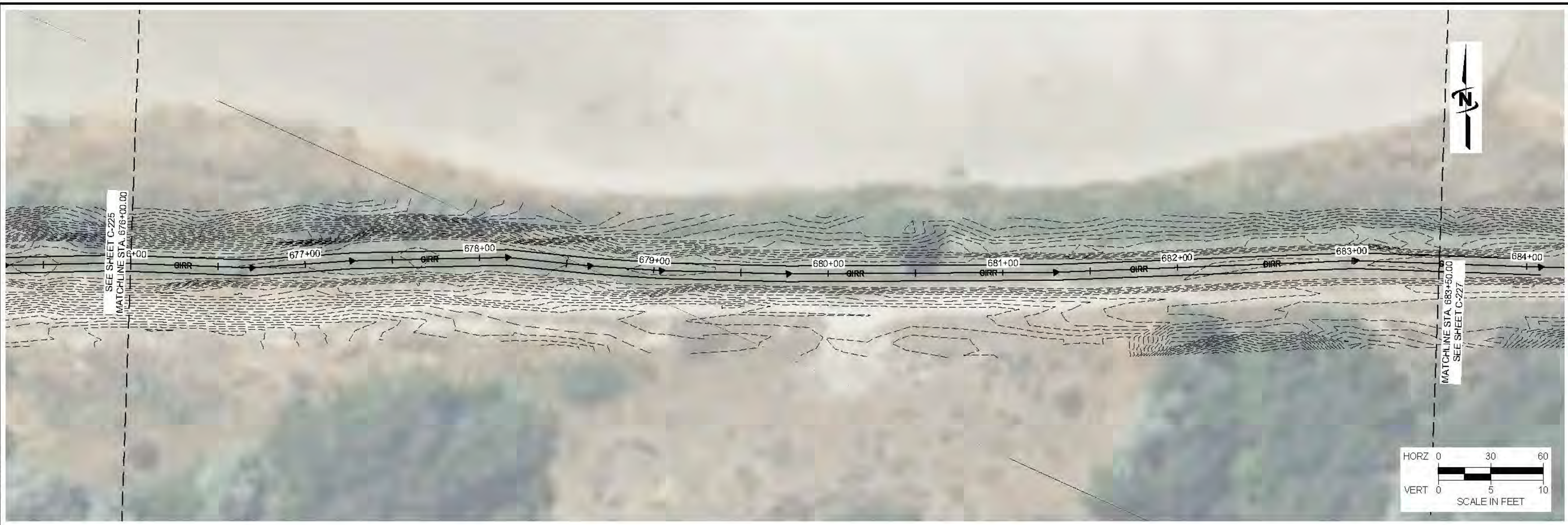


LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND
PLAN AND PROFILE

FILE: 57-23010 NODSIPHONS C-2010
 JUB PROJ #: 57-23010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 02/20/2025
 SHEET NUMBER:
C-225



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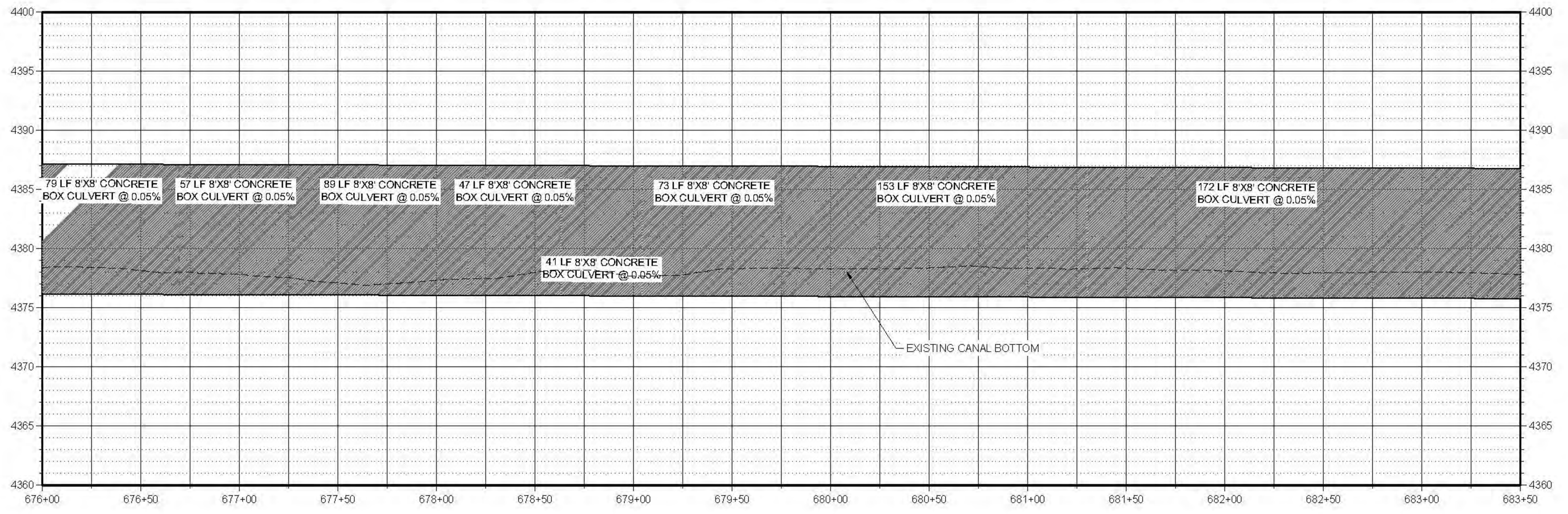
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REVISION

NO.	DESCRIPTION	BY	DATE

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LOWER BEAR RIVER EIS
BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND

PLAN AND PROFILE

FILE: 67-23-010_NOSIPHONS_C-2026
JUB PROJ #: 67-23-010
DRAWN BY: PJA
DESIGN BY: PJA
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 9/28/2025

SHEET NUMBER:
C-226

Plot 0: 06/29/2025 11:02 AM Plotted By: P. Aiken-Aikenbach
Date: 06/29/2025 11:02 AM Comment: CLIENT SUBMITTED WATER CONDUIT VERTICAL ALIGNMENT FOR PROJECT 67-23-010 LOWER BEAR WATERSHED EIS BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND



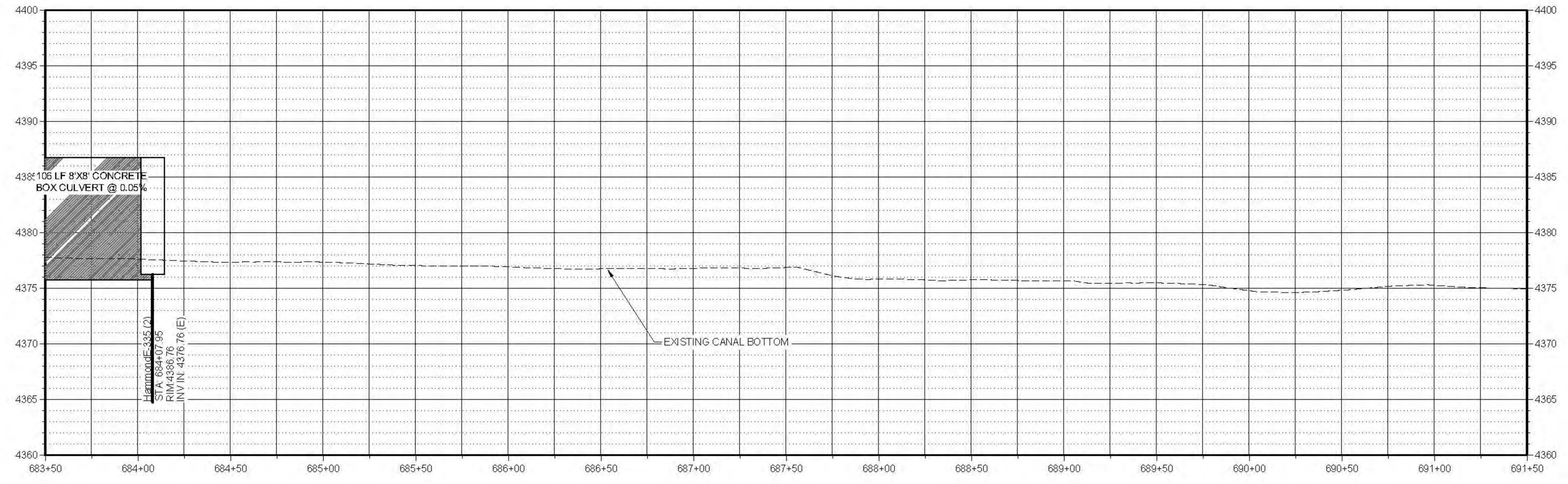
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NO.	REVISION	DESCRIPTION	BY	DATE

Plot: 26/02/2025 11:02 AM Filed By: P. Mike Aikenbach
 Date: 02/26/2025 10:02 AM Comment: JUB COMMENTS TO THE BEAR RIVER WATER CONSERVATION DISTRICT PROJECT 57-23-010 LOWER BEAR RIVER WATERSHED BRCC CANAL SHEETS NOSIPHONS 57-23-010 NOSIPHONS C-201-DWG



**LOWER BEAR RIVER EIS
 BRCC CANYON IMPROVEMENTS ALT 2 - HAMMOND**
 PLAN AND PROFILE

FILE: 57-23-010 NOSIPHONS C-201-DWG
 JUB PROJ #: 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 9/28/2025
 SHEET NUMBER:
C-227

LOWER BEAR RIVER EIS

BRCC RED SIPHON INSTALLATION

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION



AREA MAP



VICINITY MAP



PROJECT NO. 57-23-010



J-U-B ENGINEERS, INC.

4745 [REDACTED] 80525

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THE LANGDON GROUP



GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES

Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND
G-003	SYMBOL, LEGEND & ABBREVIATIONS
CIVIL	
C-201	PLAN AND PROFILE
C-202	PLAN AND PROFILE

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LAST UPDATED: 10/25/2024

SHEET NUMBER:

G-001

P:\01\24\10/25/2024\N\JUB\COM\CENTRAL\CLIENTS\UT\BEAR RIVER WATER CONSERVANCY DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED\DESIGN\BRCC\RED SIPHON\DRAWINGS\G-001_COVER.DWG



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LOWER BEAR RIVER EIS
BRCC RED SIPHON INSTALLATION

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

SHEET NUMBER:
G-002

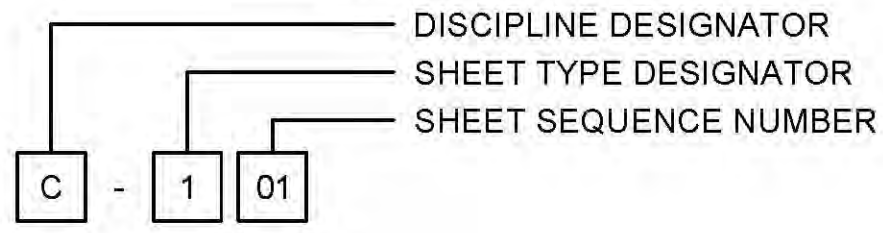
LINE LEGEND

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

SAMPLE: C-101

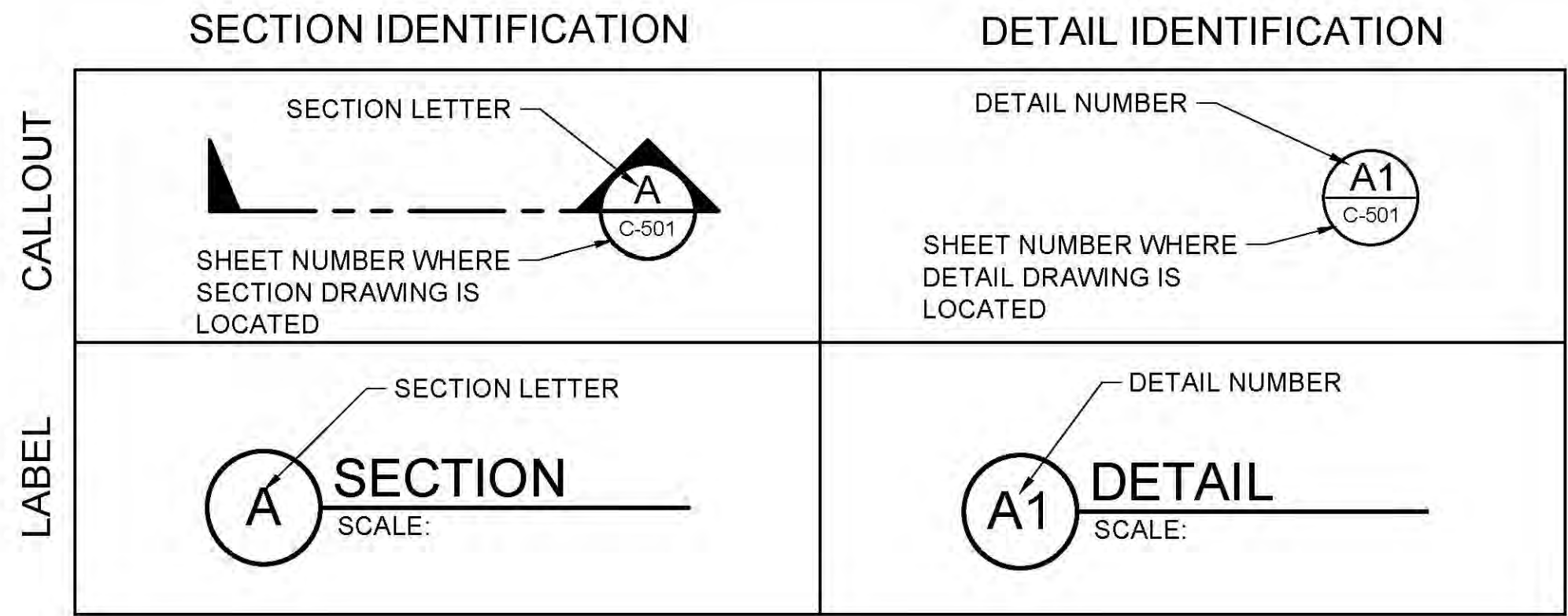


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL 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.



File Date: 10/23/2024 11:30 AM Plotted By: Parker Achenbach
 Date Created: 8/7/2025 JUB-CENTRAL-CALIENT-SUB-BEAR-RIVER-WATER-CONSERVATION-DISTRICT-PROJECT-57-23-010-LOWER-BEAR-RIVER-EIS-DESIGN-BRCC-RED-LINE-CAD-SHEET-157-23-010-G-002-LINE-DET.DWG

File Date: 10/20/2025 11:30 AM Plotted By: Parker Achenbach
 Date Created: 07/20/25 JUB-COM-CENTRAL-CLENT-SU-TBEARRIVERWATERCONSERVANCY-DISTRICT-PROJECT-157-23-010-LOWERBEARWATERSHEDDESIGN-BRCCREDP-LUMECAD-SHEET157-23-010-G-003-SYM-ABBR-DWG

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT 1/2" REBAR		
CTRL PT 5/8" REBAR		
CTRL PT 60D NAIL		
CTRL PT HUB & TACK		
CTRL PT PK NAIL		
CTRL PT TEMP BENCH MARK		
NAIL		
NAIL AND TAG		
NAIL (PK)		
BOLT		
DRILL STEEL		
REBAR (1/2")		
REBAR (5/8")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
R/W MONUMENT		
STONE		
SECTION CORNER. MON.		
SECTION QUARTER MON.		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN		
FLAGPOLE		
GATE		
MAIL BOX		
PARKING METER		
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE		
WELL		
WELL (MONITORING)		

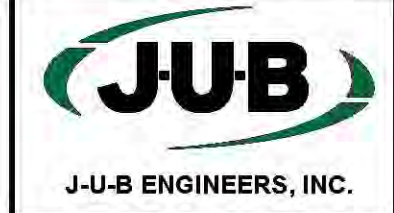
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE		
THRUST BLOCK		
VAULT		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
POWER POLE		
POWER STUB		
STREET LIGHT		
TRAFFIC SIGNAL POLE		
IRRIGATION		
IRRIGATION VALVE		
IRRIGATION VALVE BOX		
SPRINKLER		
NATURAL GAS		
GAS METER		
GAS VALVE		
SANITARY SEWER		
CLEANOUT		
SEWER STUB		
SS MANHOLE		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
FLARE END		
GREASE TRAP		
SD MANHOLE		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE		
BLOW OFF		
COMBO VALVE		
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE		
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE		
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE		
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS	
ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL)
C/L	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PE	POLYETHYLENE
PL	PLATE
PL	PROPERTY LINE
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W	RIGHT-OF-WAY

ABBREVIATIONS	
ASSY	ASSEMBLY
S	SLOPE
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED



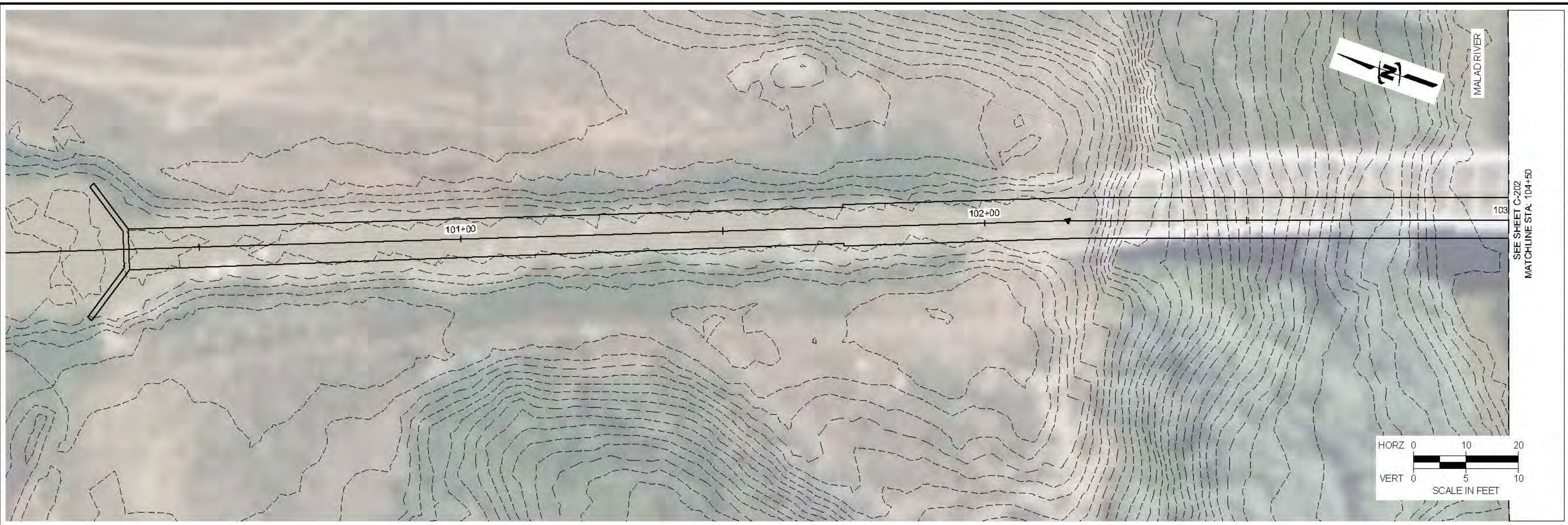
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NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
BRCC RED SIPHON INSTALLATION
 SYMBOL, LEGEND & ABBREVIATIONS

FILE: 57-23-010_G-003_SYM_ABBR
 JUB PROJ # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
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 SHEET NUMBER:
G-003



SEE SHEET C-202
MATCHLINE STA: 104+50

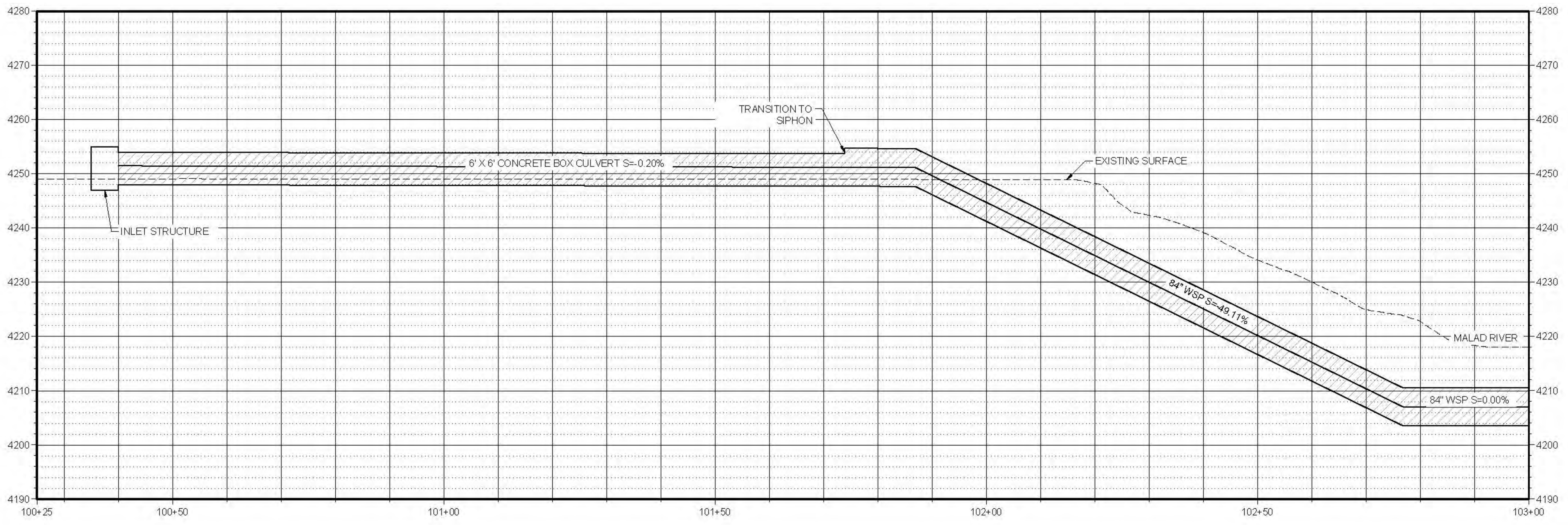
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Plot1.dwg: 10/20/2025 11:30 AM, Plotted By: Parker, Nicholas
 Date Checked: 10/20/2025 09:08 AM, Checked By: Parker, Nicholas
 File: 57-23-010_BRCCLFLUME_C-201.dwg



**LOWER BEAR RIVER EIS
BRCCLFLUME SIPHON INSTALLATION**
PLAN AND PROFILE

FILE: 57-23-010_BRCCLFLUME_C-201.dwg
 JUB PROJ #: 57-23-010
 DRAWN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE AS SHOWN OTHERWISE
 LAST UPDATED: 10/20/2025
 SHEET NUMBER:
C-201

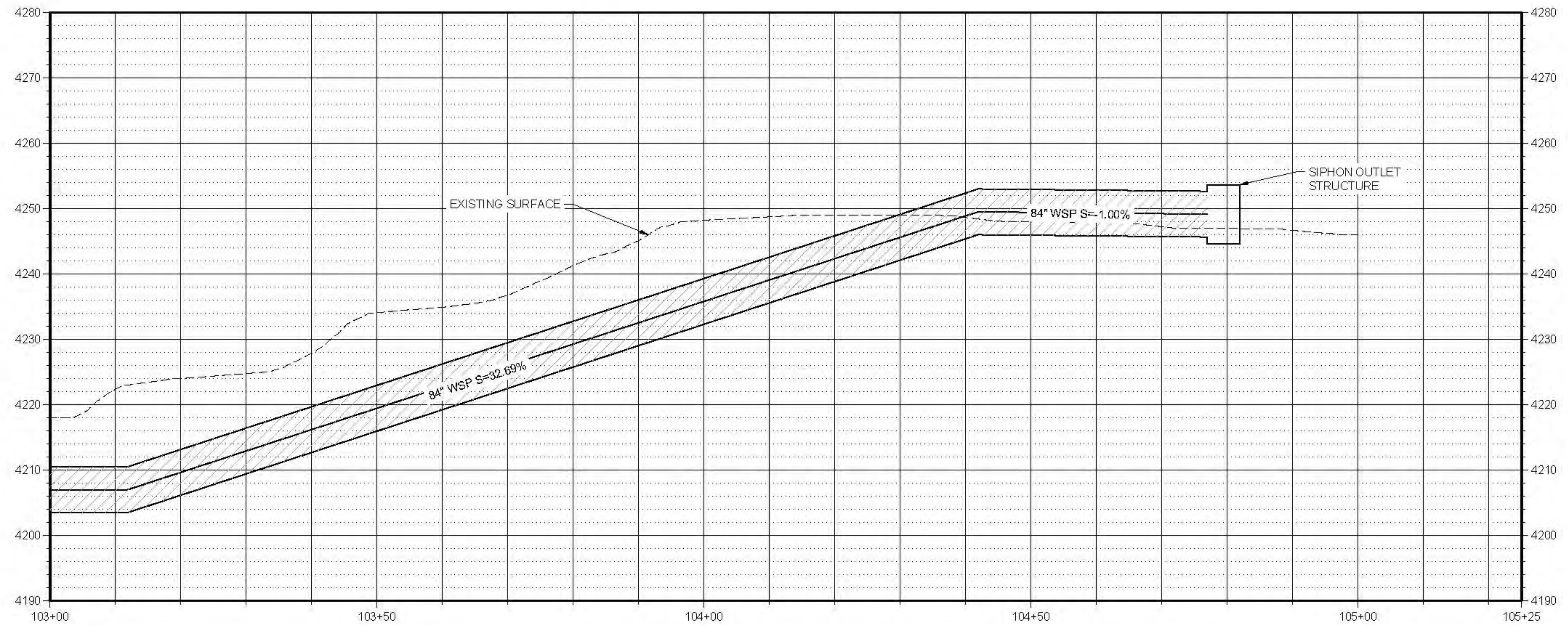
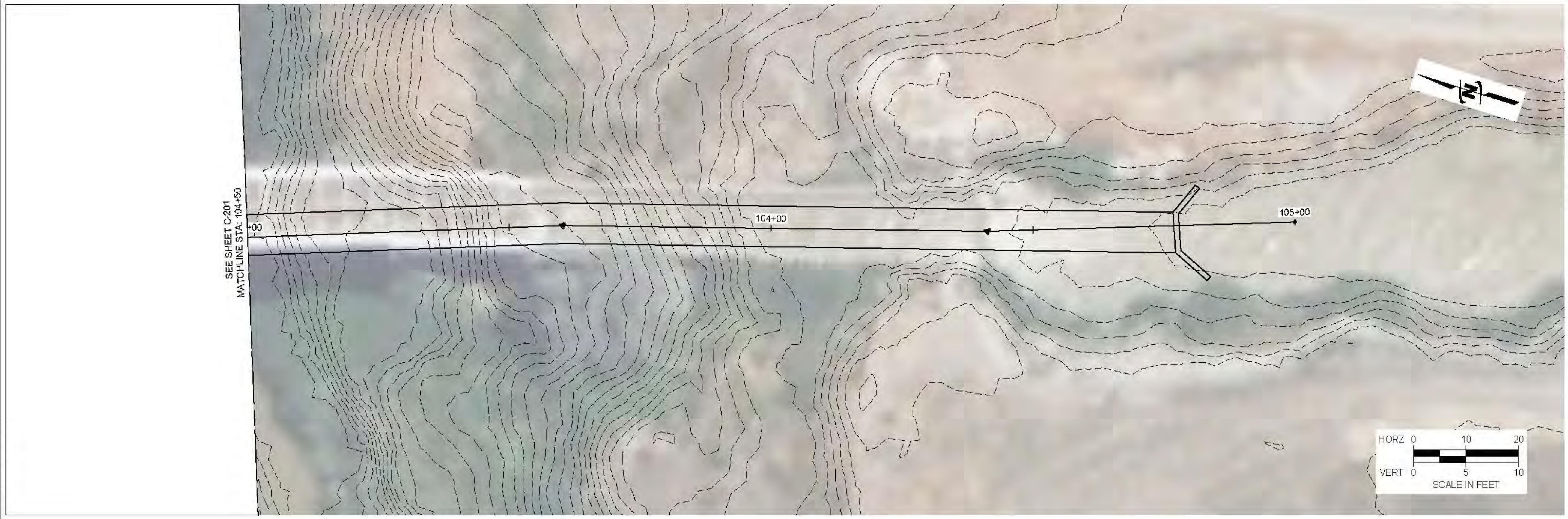


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NO.	DESCRIPTION	BY	DATE



LOWER BEAR RIVER EIS
BRCC RED SIPHON INSTALLATION
PLAN AND PROFILE

FILE: 57-23-010_BRCC RED FLOWME
 JUB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE
 INCH SCALE AS SHOWN
 LAST UPDATED: 10/20/2025
 SHEET NUMBER:
C-202

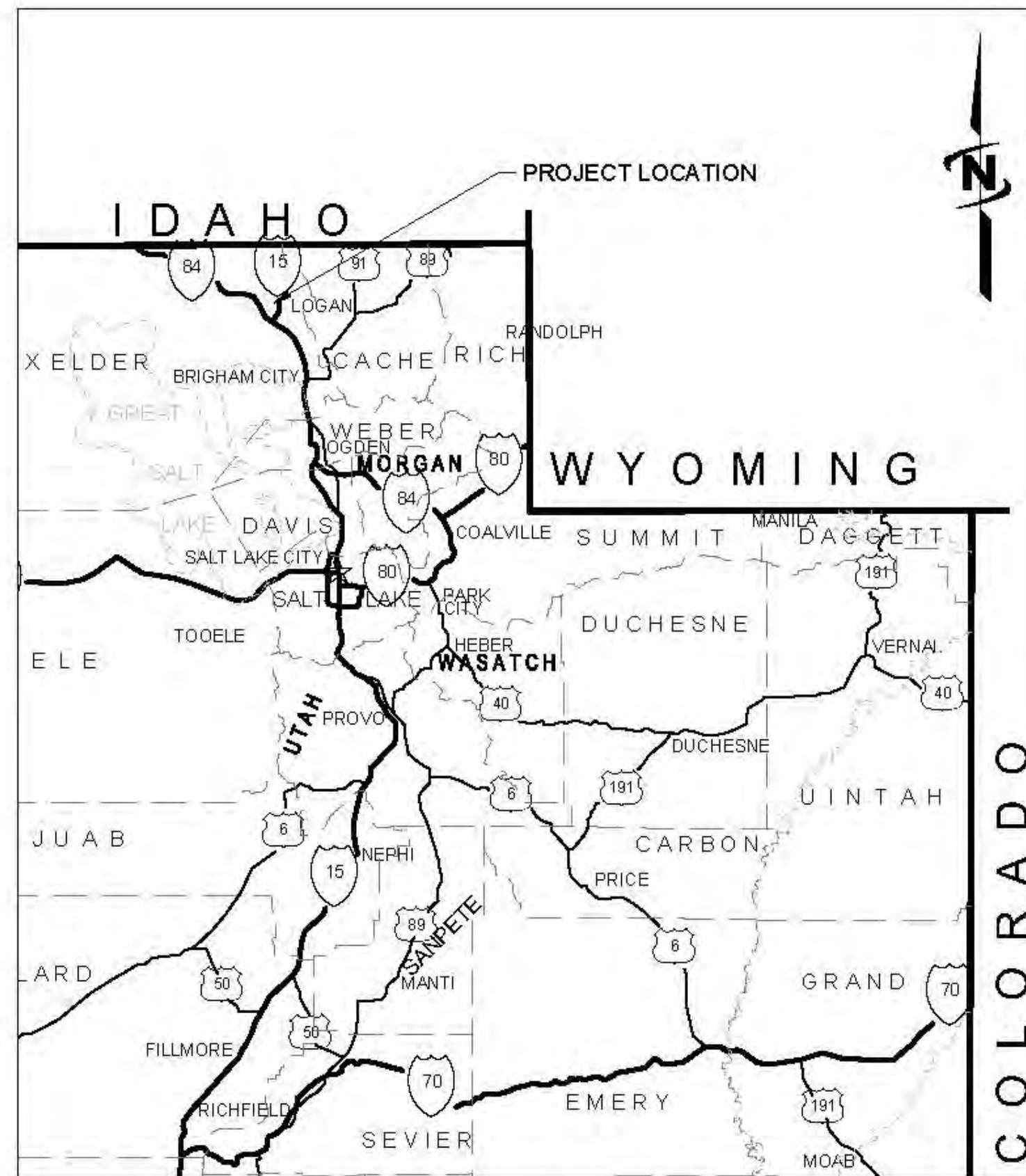
Plot: 06/10/2025 11:30 AM, Plotted By: Parker, Nicholas
Data checked: 10/20/2025
USDA-NRCS
LOWER BEAR RIVER WATERSHED EIS
BRCC RED FLOWME
C-202
10/20/2025

LOWER BEAR RIVER EIS

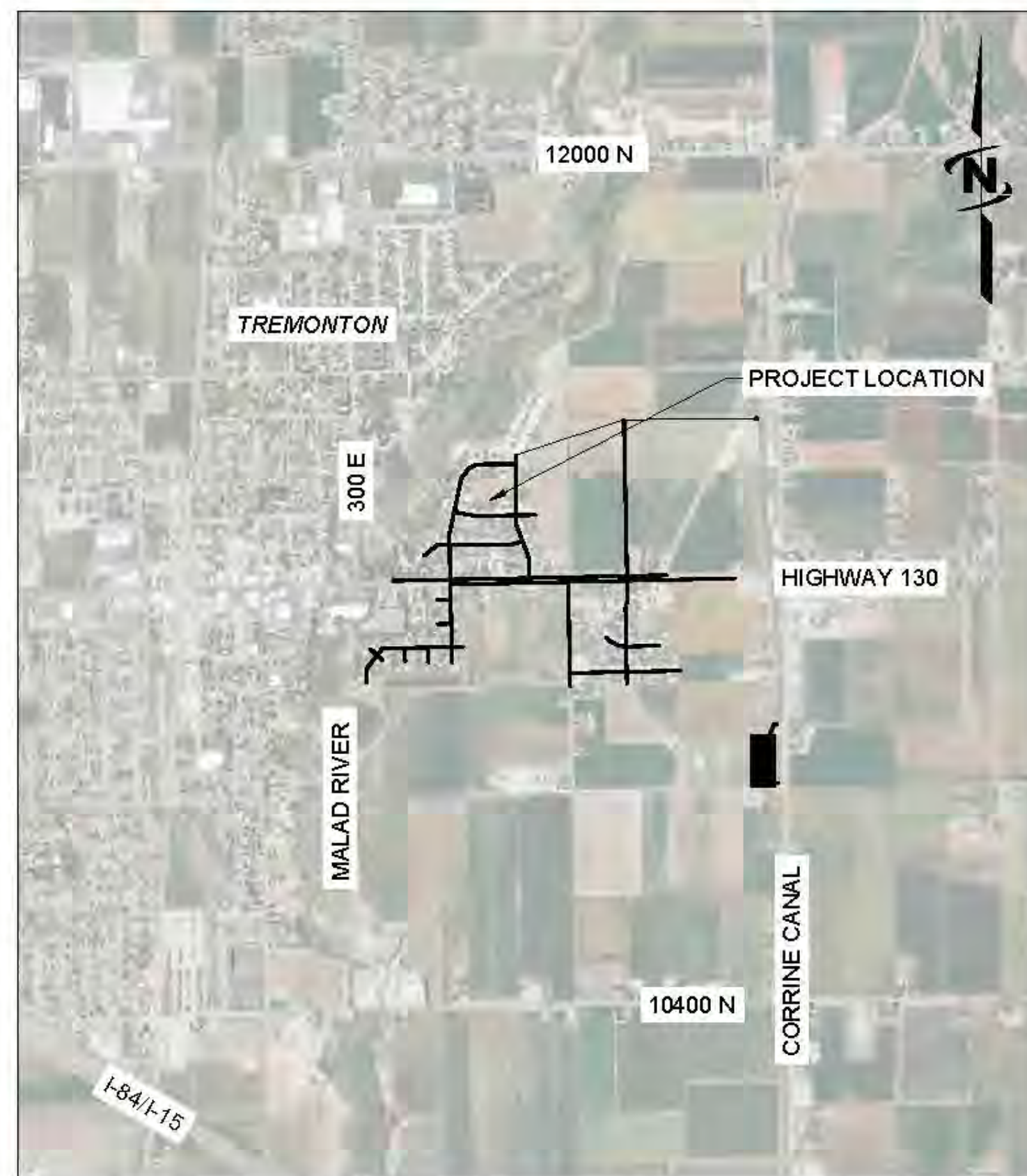
TREMONTON PRESSURE IRRIGATION

October 2024

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AREA MAP



VICINITY MAP



PROJECT NO. 57-23-010



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THE LANGDON GROUP



GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES

Sheet List Table

Sheet Number	Sheet Title
GENERAL	
G-001	COVER SHEET
G-002	LINE LEGEND
G-003	SYMBOL, LEGEND & ABBREVIATION
CIVIL	
C-001	SHEET LAYOUT
C-101	PLAN VIEW
C-102	PLAN VIEW
C-103	PLAN VIEW
C-104	PLAN VIEW
C-105	PLAN VIEW
C-106	PLAN VIEW
C-107	PLAN VIEW
C-108	PLAN VIEW
C-109	PLAN VIEW
C-110	PLAN VIEW
C-111	PUMP PLAN VIEW
C-112	EQUALIZATION STORAGE PLAN VIEW

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SHEET NUMBER:

G-001

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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION

FILE: 57-23-010_TREMONTON_G-003
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:
G-002

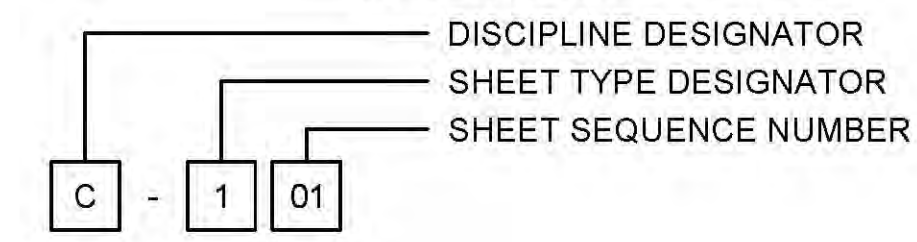
LINE LEGEND

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

SAMPLE: C-101

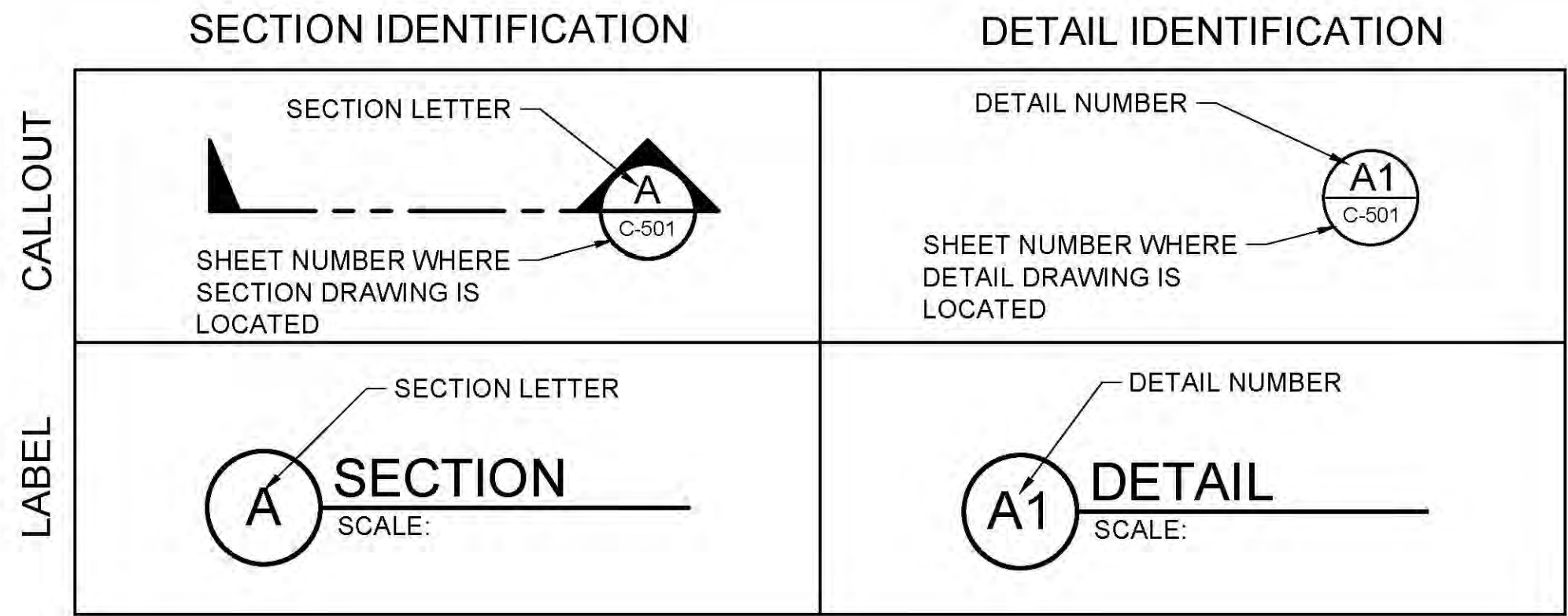


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL 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
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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:
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 Date Created: 10/23/2024 10:08:11 AM Plotted Date: 10/23/2024 10:08:11 AM
 Project: 57-23-010 LOWER BEAR RIVER WATER SERVICE DISTRICT PROJECT 57-23-010 LOWER BEAR RIVER WATER SERVICE DISTRICT PROJECT 57-23-010 TREMONTON_G-003.DWG
 User: JUB\CIH\CIH



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LOWER BEAR RIVER EIS
 TREMONTON PRESSURE IRRIGATION

SYMBOL, LEGEND & ABBREVIATION

FILE: 57-23-010_TREMONTON_G-004
 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:
G-003

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE		
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS	
ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
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DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
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FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
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IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PE	POLYETHYLENE
PL	PLATE
PL	PROPERTY LINE
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W	RIGHT-OF-WAY

ABBREVIATIONS	
ASSY	ASSEMBLY
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SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE		
BLOW OFF		
COMBO VALVE		
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE		
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE		
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE		
THRUST BLOCK		
VAULT		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
POWER POLE		
POWER STUB		
STREET LIGHT		
TRAFFIC SIGNAL POLE		
IRRIGATION		
IRRIGATION VALVE		
IRRIGATION VALVE BOX		
SPRINKLER		
NATURAL GAS		
GAS METER		
GAS VALVE		
SANITARY SEWER		
CLEANOUT		
SEWER STUB		
SS MANHOLE		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
FLARE END		
GREASE TRAP		
SD MANHOLE		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT 1/2" REBAR		
CTRL PT 5/8" REBAR		
CTRL PT 60D NAIL		
CTRL PT HUB & TACK		
CTRL PT PK NAIL		
CTRL PT TEMP BENCH MARK		
NAIL		
NAIL AND TAG		
NAIL (PK)		
BOLT		
DRILL STEEL		
REBAR (1/2")		
REBAR (5/8")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
R/W MONUMENT		
STONE		
SECTION CORNER. MON.		
SECTION QUARTER MON.		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN		
FLAGPOLE		
GATE		
MAIL BOX		
PARKING METER		
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE		
WELL		
WELL (MONITORING)		

File Date: 10/23/2024 10:22 AM Plotted By: Parker Achtembuech
 Date Created: 10/23/2024 10:02:11 AM Client: LOWER BEAR RIVER WATER CONSERVANCY DISTRICT PROJECT: 57-23-010 LOWER BEAR RIVER WATERSHED DESIGN TREMONTON IRRIGATION SHEET 157-23-010 TREMONTON G-004 DWG



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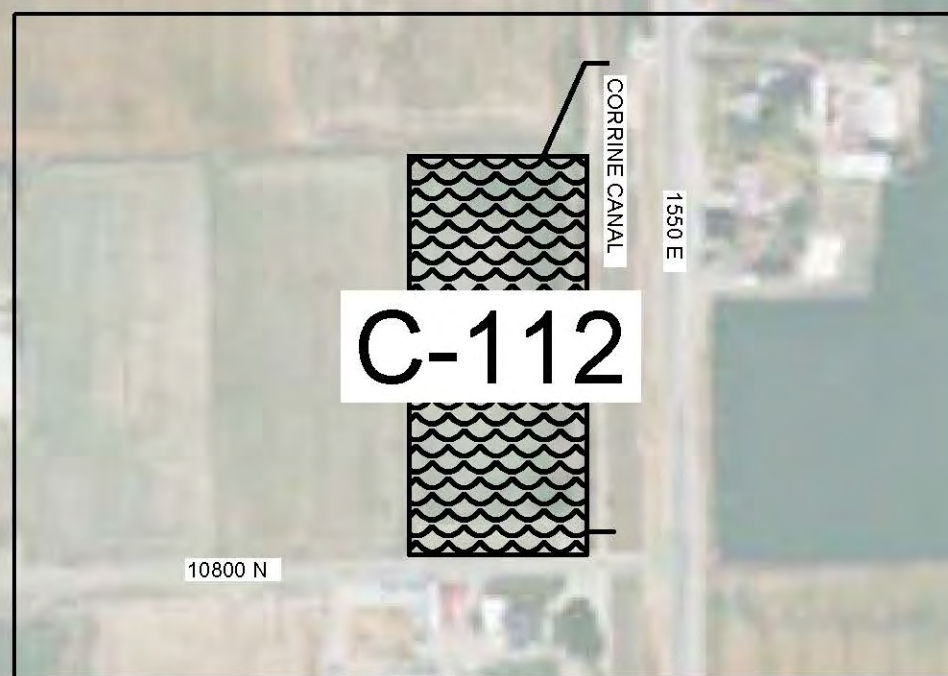
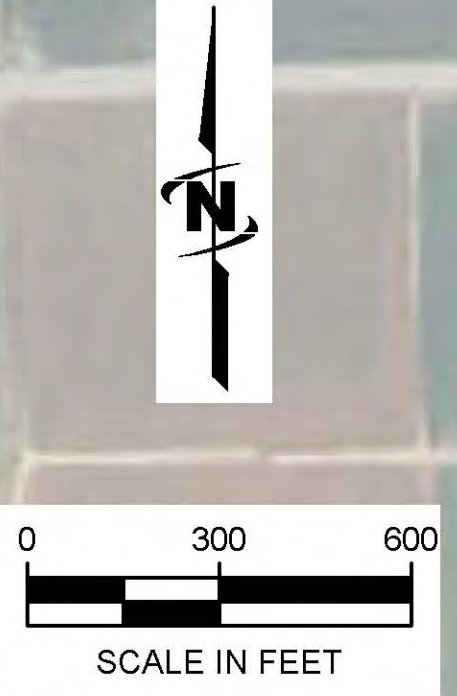
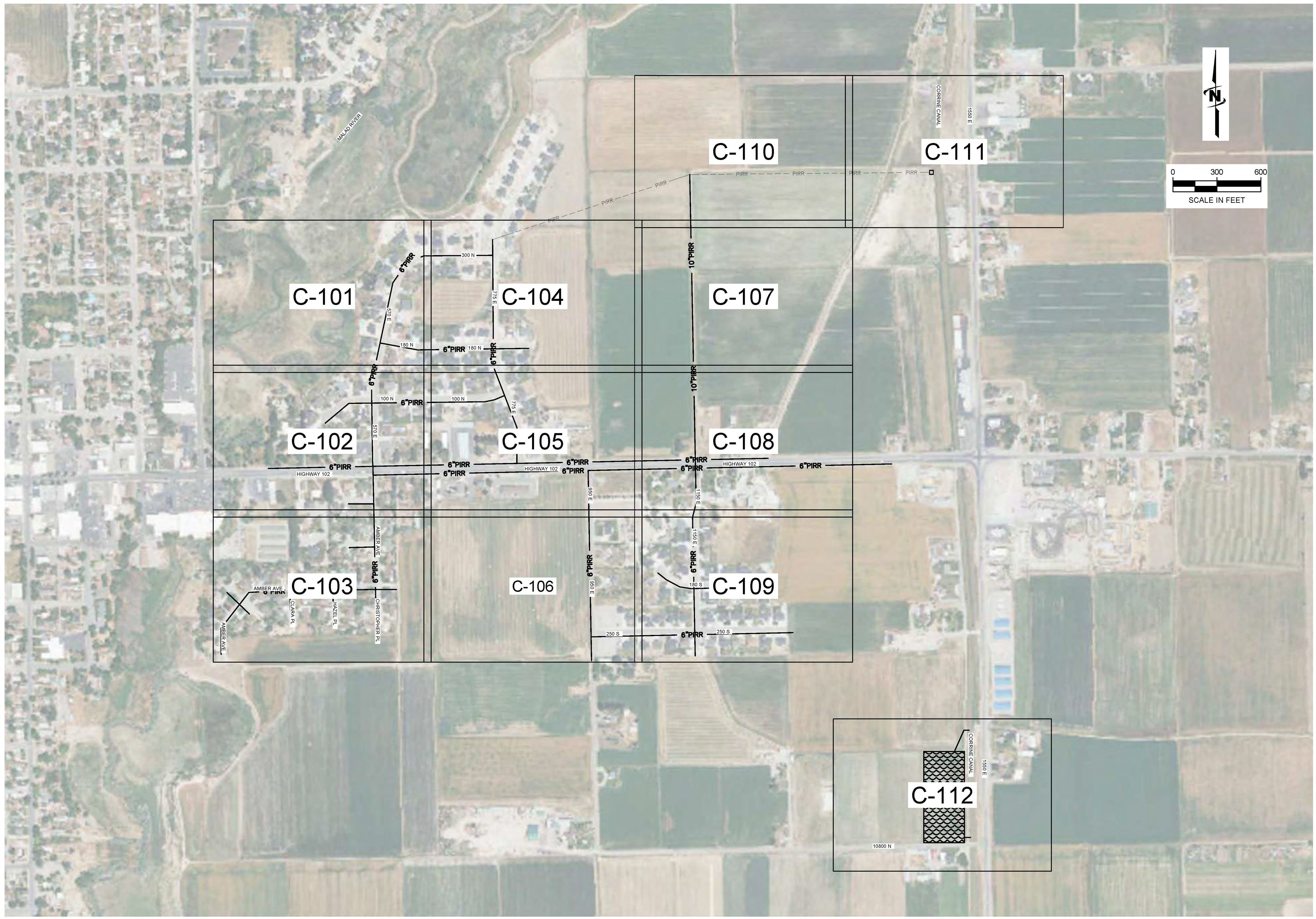
NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION

SHEET LAYOUT

FILE: 57-23-010_C-001
 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-001



Plot Date: 10/23/2024 10:22 AM Plotted By: Parker Achtembach
 Dwg Created: 2/20/2024 SUBCENTRALCLIENTSUTBEARWATERCONSERVANCYDISTRICTPROJECTS7-23-010 LOWER BEAR WATERSHED DESIGN TREMONTON CANAL SHEET 167-23-010_C-001.DWG

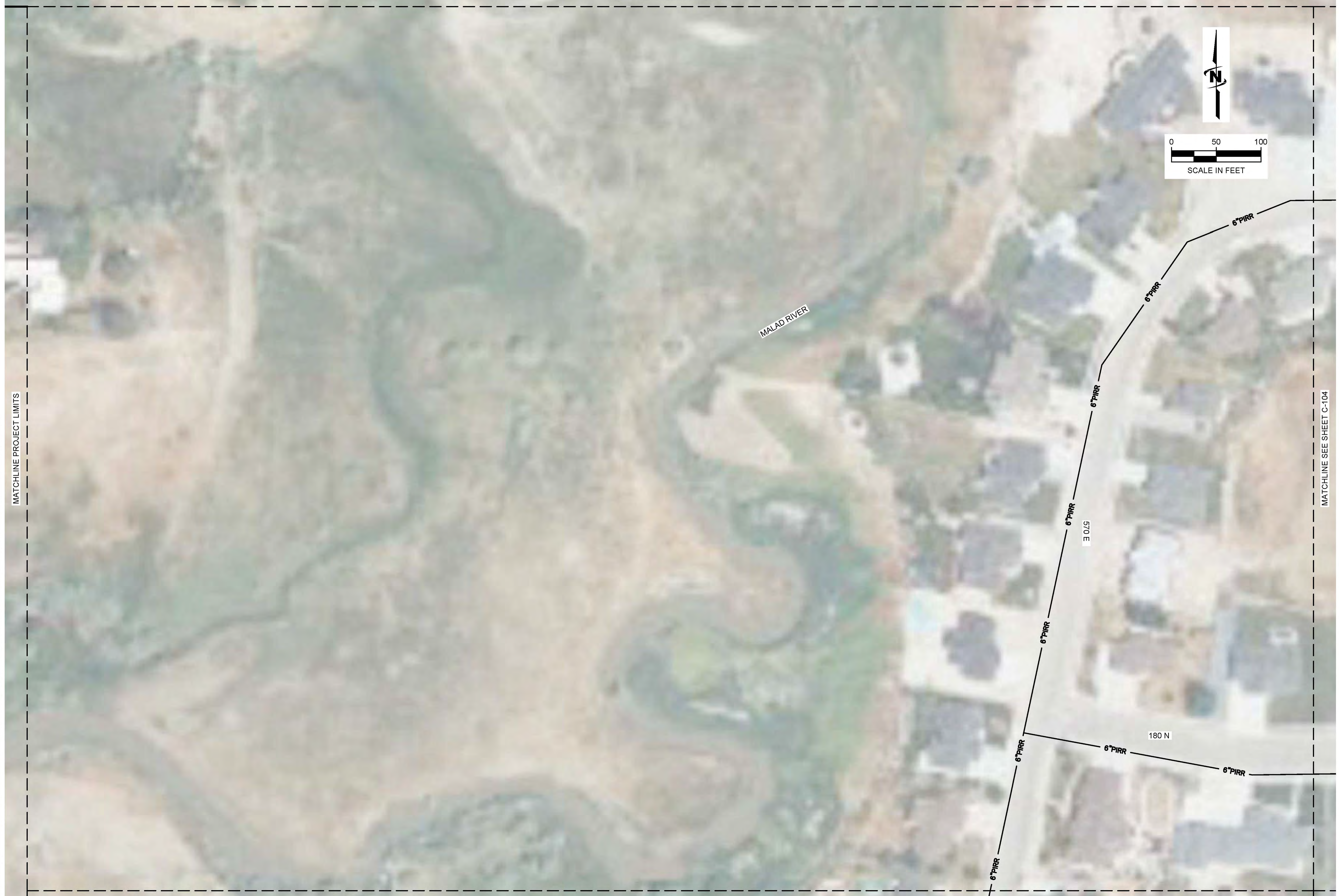
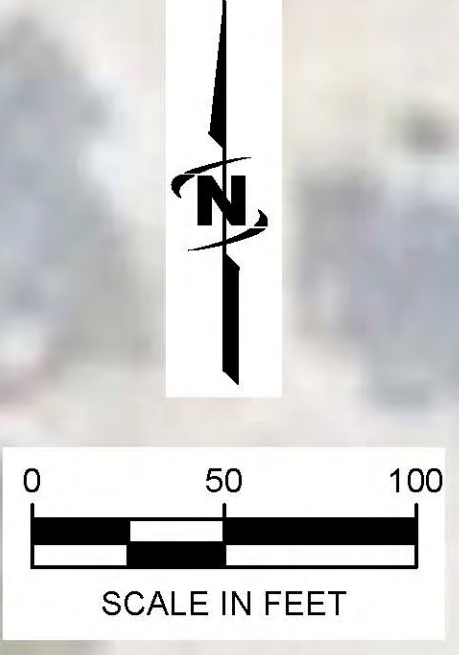
MATCHLINE PROJECT LIMITS



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MATCHLINE SEE SHEET C-104

MATCHLINE SEE SHEET C-102

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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION

PLAN VIEW

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

SHEET NUMBER:
C-101

Plot Date: 10/23/2024 10:22 AM Plotted By: Parker Achenbach
DWG Created: 10/23/2024 \\UBCENTRALCLIENTS\TBEAR\WATER\CONSERVANCY\DISTRICT\PROJECTS\57-23-010_LOWERBEARWATERSHED\DESIGN\TREMONTON\CADD\SHEET167-23-010_C-101X.DWG




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MATCHLINE SEE SHEET C-103

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MATCHLINE SEE SHEET C-105



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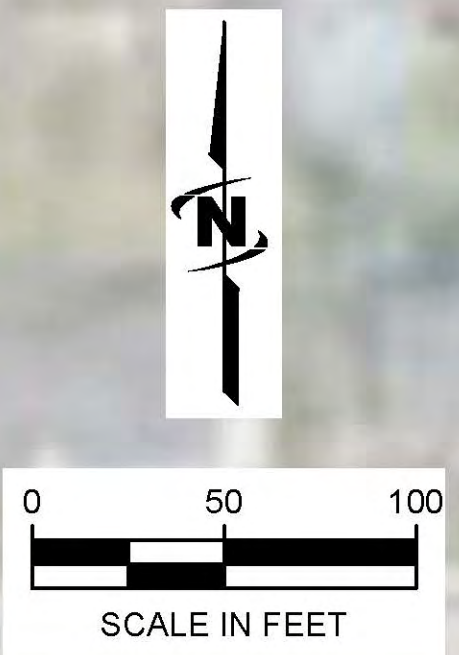
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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION

PLAN VIEW

FILE: 57-23-010_C-101X
 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
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C-102

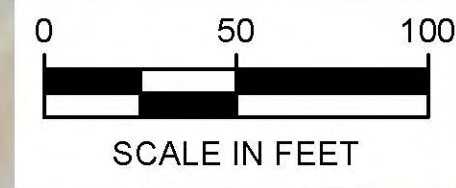


File Date: 10/23/2024 10:22 AM Plotted By: Parker Achenbach
 Dwg Created: 10/23/2024 \\UBCENTRALCLIENT\TUBEARWATER\CONSERVANCY\DISTRICT\PROJECTS\57-23-010_LOWERBEARWATERSHED\DESIGN\TREMONTON\CADD\SHEET\C-101X.DWG



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LOWER BEAR RIVER EIS
 TREMONTON PRESSURE IRRIGATION

PLAN VIEW

FILE: 57-23-010_C-101X
 JUB PROJ #: 57-23-010
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 CHECKED BY: ###
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 LAST UPDATED: 10/24/2024

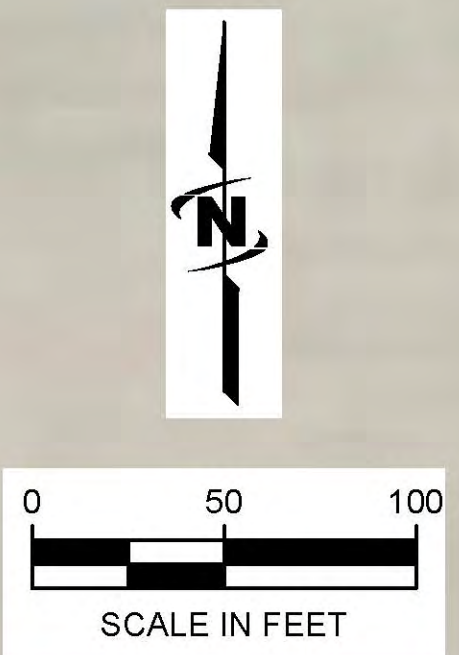
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File Date: 10/23/2024 10:23 AM Plotted By: Parker Achenbach
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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION
PLAN VIEW

FILE: 57-23-010_C-101X
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-104

Plot Date: 10/25/2024 10:23 AM Plotted By: Parker Achenbach
 DWG Created: 10/25/2024 W:\CENTRAL\CLIENTS\LOWER BEAR RIVER\WATER CONSERVATION\DISTRICT PROJECTS\57-23-010_LOWER BEAR WATERSHED\DESIGN\TREMONTON\CADD\SHEET C-101X.DWG

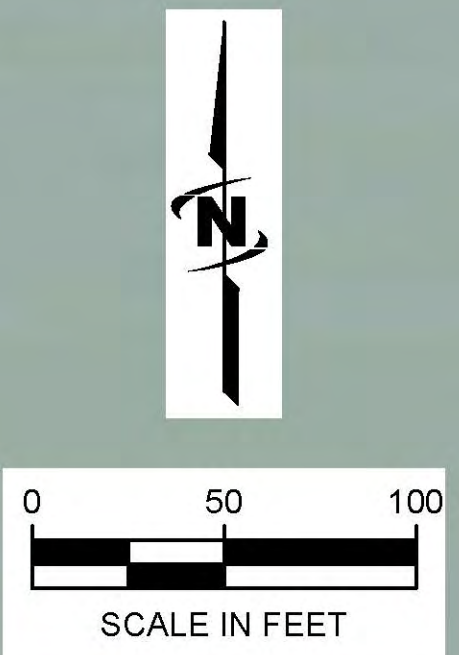


MATCHLINE SEE SHEET C-104

MATCHLINE SEE SHEET C-106

MATCHLINE SEE SHEET C-102

MATCHLINE SEE SHEET C-108



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LOWER BEAR RIVER EIS

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PLAN VIEW

FILE: 57-23-010_C-101X
 JUB PROJ #: 57-23-010
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 CHECKED BY: ###

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

SHEET NUMBER:
C-105

Plt Date: 10/25/2024 10:23 AM Plotted By: Parker Achenbach
 Dwg Created: 10/25/2024 JUBCENTRALCLIENTS\TBEARWATERCONSERVANCY\DISTRICT\PROJECTS\23-010_LOWERBEARWATERSHEDDESIGN\TREMONTON\CADD\SHEET\C-101X.DWG

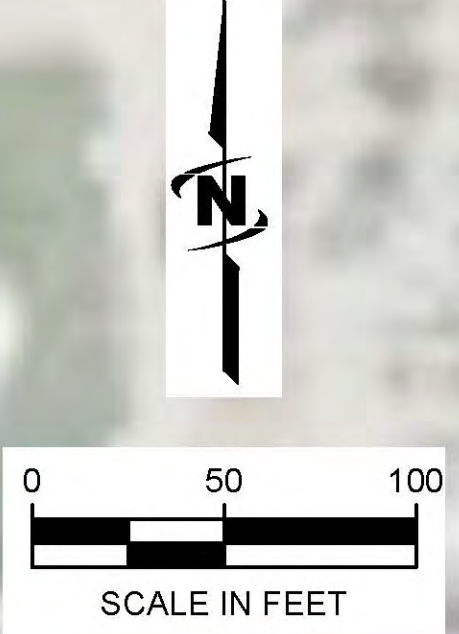
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PLAN VIEW

FILE: 57-23-010_C-101X
 JUB PROJ #: 57-23-010
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 LAST UPDATED: 10/24/2024
 SHEET NUMBER:
C-106

Plot Date: 10/23/2024 10:23 AM Plotted By: Parker Achtembach
Date Created: 10/02/2024 \\\UBCENTRALCLIENTS\TBEAR\WATER\WATERCONSERVANCY\DISTRICT\PROJECTS\7-23-010_LOWERBEARWATERSHED\DESIGN\TREMONTON\CAD\DWG\167-23-010_C-101X.DWG

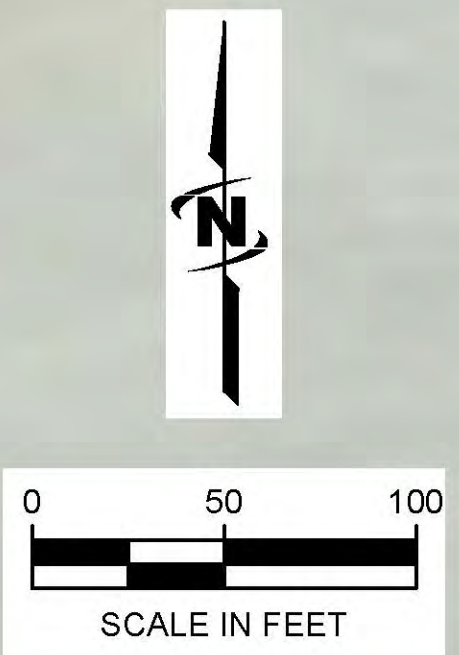


MATCHLINE SEE SHEET C-107

MATCHLINE SEE SHEET C-108

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TREMONTON PRESSURE IRRIGATION**

PLAN VIEW

FILE: 57-23-010_C-101X
JUB PROJ #: 57-23-010
DRAWN BY: ###
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ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
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C-107



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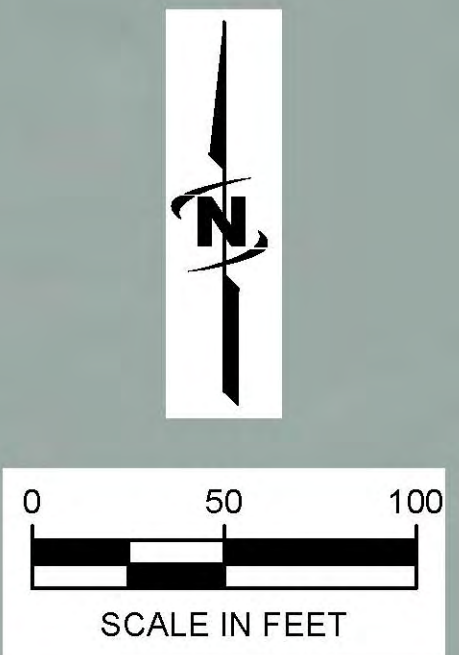
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TREMONTON PRESSURE IRRIGATION

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SHEET NUMBER:
C-108



Plot Date: 10/25/2024 10:23 AM Plotted By: Parker Achtembach
 Dwg Created: 10/25/2024 SUBCENTRALCLIENT/UT/BEARWATER/SERVANC/DISTRICT/PROJECT/57-23-010_LOWERBEARWATERSHEDDESIGN/TREMONTON/CADD/SHEET/57-23-010_C-101X.DWG

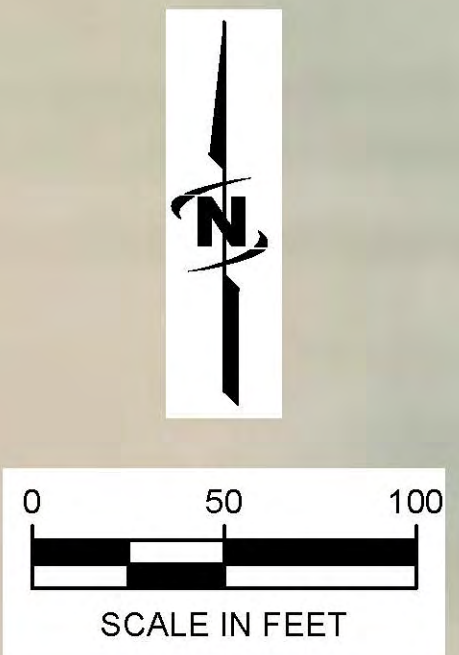


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PLAN VIEW

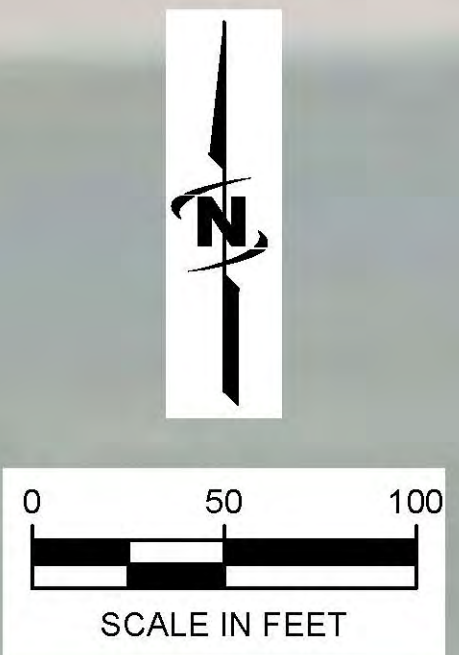
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SHEET NUMBER: C-109

Plot Date: 10/23/2024 10:23 AM Plotted By: Parker Achenbach
 Dwg Created: 10/23/2024 \\UBCENTRALCLIENTS\T\BEAR RIVER\WATER\CONSERVANCY\DISTRICT\PROJECT\57-23-010_LOWER BEAR WATERSHED\DESIGN\TREMONTON\CAD\DWG\SHEET\57-23-010_C-101X.DWG



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PLAN VIEW

FILE: 57-23-010_C-101X
 JUB PROJ #: 57-23-010
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 DESIGN BY: ###
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
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C-110

File Date: 10/23/2024 10:23 AM Plotted By: Parker Achtembach
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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION
PUMP PLAN VIEW

FILE: 57-23-010_C-101X
JUB PROJ #: 57-23-010
DRAWN BY: ###
DESIGN BY: ###
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AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024

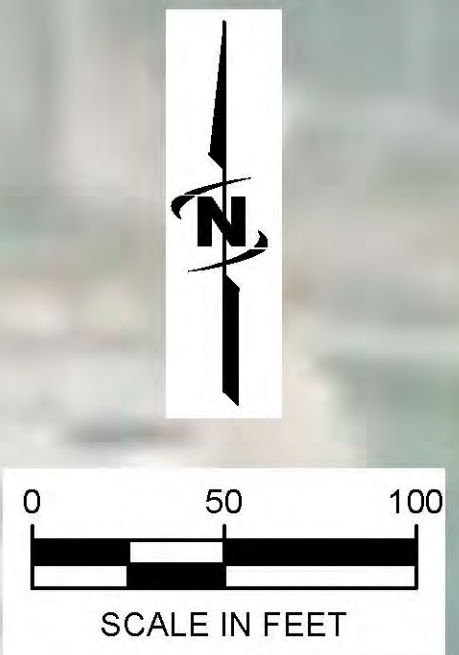
SHEET NUMBER:
C-111



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EQUALIZATION STORAGE INLET

GRR

EQUALIZATION STORAGE POND (1.85 ACRE-FEET)

CORRINE CANAL

1550 E

EQUALIZATION STORAGE OUTLET

10800 N

File Date: 10/25/2024 10:24 AM Plotted By: Parker Achtembach Date Created: 10/25/2024 SUBCENTRALCLIENT\BERRIVERWATERCONSERVANCY\DISTRICT\PROJECTS\7-23-010_LOWERBEARWATERSHED\DESIGN\TREMONTON\CAD\DWG\167-23-010_C-101X.DWG

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LOWER BEAR RIVER EIS TREMONTON PRESSURE IRRIGATION

EQUALIZATION STORAGE PLAN VIEW

FILE: 57-23-010_C-101X
 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-112

LOWER BEAR RIVER EIS

TREMONTON PRESSURE IRRIGATION EQ STORAGE

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION



AREA MAP



VICINITY MAP



PROJECT NO. 57-23-010



J-U-B ENGINEERS, INC.

1047 South 100 West, Suite 180, Logan, UT 84321
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THE LANGDON GROUP



GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES

Sheet List Table

Sheet Number	Sheet Title
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G-002	LINE LEGEND
G-003	SYMBOL, LEGEND & ABBREVIATION
CIVIL	
C-101	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

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SHEET NUMBER:

G-001

Plot Date: 10/25/2024 \\JUBCENTRAL\CLIENTS\UT\BEAR RIVER WATER CONSERVANCY DISTRICT\PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED\DESIGN\TREMONTON\CAD\SHSHEET\57-23-010_TRE_STORAGE_G-001.DWG



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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE

FILE: 57-23-010_TRE_STORAGE_G-003
JUB PROJ #: 57-23-010
DRAWN BY: JMM
DESIGN BY: ###
CHECKED BY: ###
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LAST UPDATED: 10/25/2024
SHEET NUMBER:
G-003

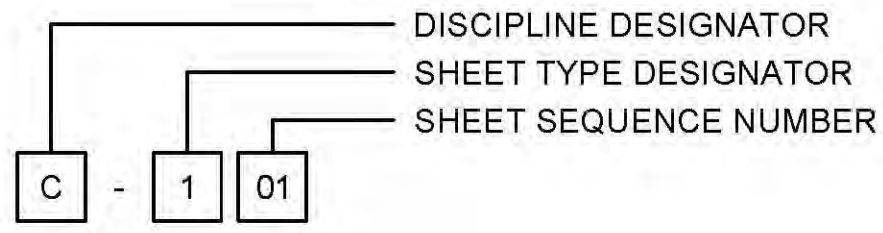
LINE LEGEND

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

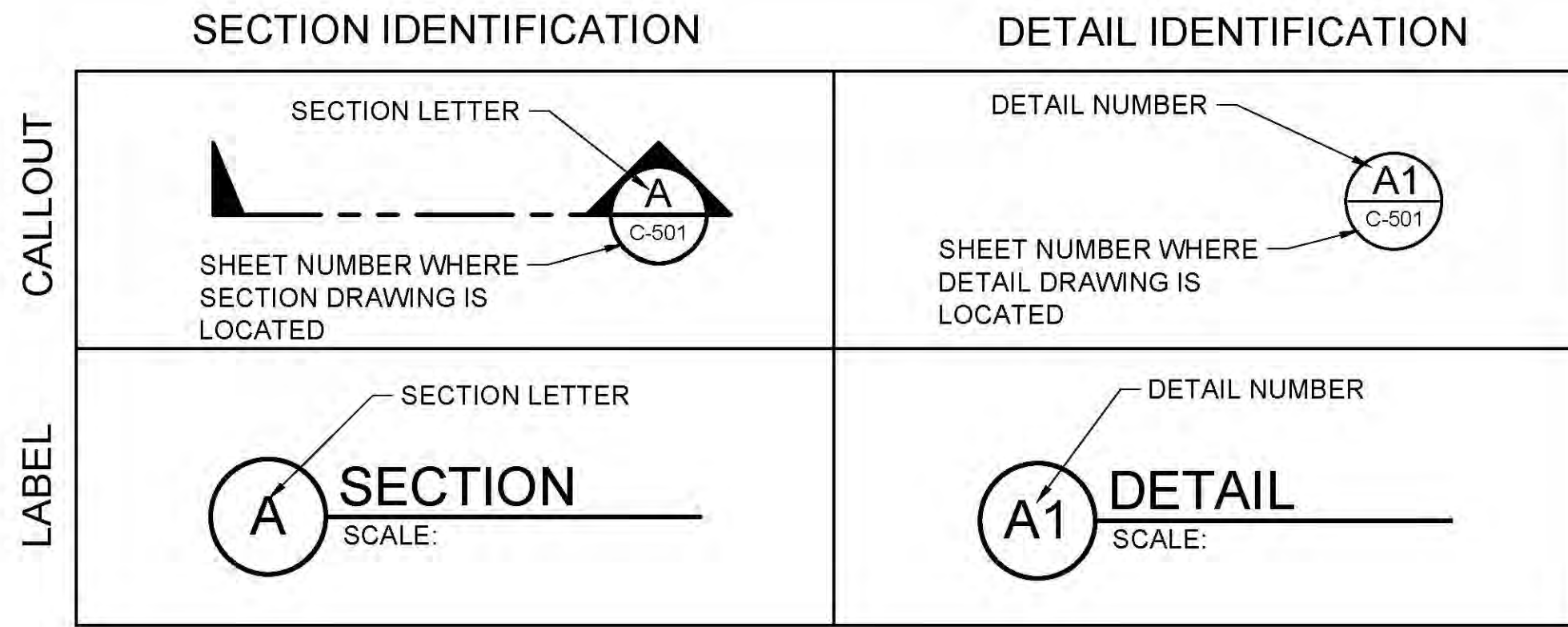


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL 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.



File Date: 10/25/2024 10:14 AM Plotted By: Parker Adambach
 Date Created: 10/25/2024 SUBCENTRALCUT/LOWER BEAR RIVER WATER CONSERVANCY/DISTRICT/PROJECT/57-23-010_LOWER BEAR RIVER WATERSHED DESIGN/TREMONTON/CONSTRUCTION SHEET/57-23-010_TRE_STORAGE_G-003.DWG

File Date: 10/25/2024 10:14 AM Plotted By: Parker Achenbach
Date Created: 10/25/2024 SUBCENTRALCLIENT\UT\BEAR\WATER\CONSERVANCY\DISTRICT\PROJECT\57-23-010_LOWERBEARWATERSHED\DESIGN\TREMONTON\CA\DWG\57-23-010_TRE_STORAGE_G-004.DWG

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT 1/2" REBAR		
CTRL PT 5/8" REBAR		
CTRL PT 60D NAIL		
CTRL PT HUB & TACK		
CTRL PT PK NAIL		
CTRL PT TEMP BENCH MARK		
NAIL		
NAIL AND TAG		
NAIL (PK)		
BOLT		
DRILL STEEL		
REBAR (1/2")		
REBAR (5/8")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
R/W MONUMENT		
STONE		
SECTION CORNER. MON.		
SECTION QUARTER MON.		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN		
FLAGPOLE		
GATE		
MAIL BOX		
PARKING METER		
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE		
WELL		
WELL (MONITORING)		

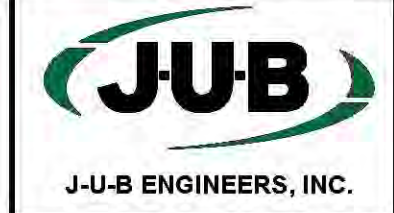
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE		
THRUST BLOCK		
VAULT		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
POWER POLE		
POWER STUB		
STREET LIGHT		
TRAFFIC SIGNAL POLE		
IRRIGATION		
IRRIGATION VALVE		
IRRIGATION VALVE BOX		
SPRINKLER		
NATURAL GAS		
GAS METER		
GAS VALVE		
SANITARY SEWER		
CLEANOUT		
SEWER STUB		
SS MANHOLE		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
FLARE END		
GREASE TRAP		
SD MANHOLE		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE		
BLOW OFF		
COMBO VALVE		
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE		
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE		
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE		
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS	
ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL)
C/L	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PE	POLYETHYLENE
PL	PLATE
PL	PROPERTY LINE
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W	RIGHT-OF-WAY

ABBREVIATIONS	
ASSY	ASSEMBLY
S	SLOPE
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED



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NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
SYMBOL, LEGEND & ABBREVIATION

FILE: 57-23-010_TRE_STORAGE_G-004
JUB PROJ #: 57-23-010
DRAWN BY: JMM
DESIGN BY: ###
CHECKED BY: ###
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LAST UPDATED: 10/25/2024
SHEET NUMBER:
G-004



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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
SHEET INDEX

FILE: 57-23-010_TRE_STORAGE_C-101X
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:
C-101



Plot Date: 10/23/2024 10:14 AM Plotted By: Parker Achenbach
DWG Created: 10/23/2024 W:\CENTRAL\Clients\UT\BEAR RIVER WATER CONSERVANCY\DISTRICT PROJECTS\57-23-010_LOWER BEAR RIVER WATERSHED DESIGN\TREMONTON\DWG\SHEETS\57-23-010_TRE_STORAGE_C-101X.DWG

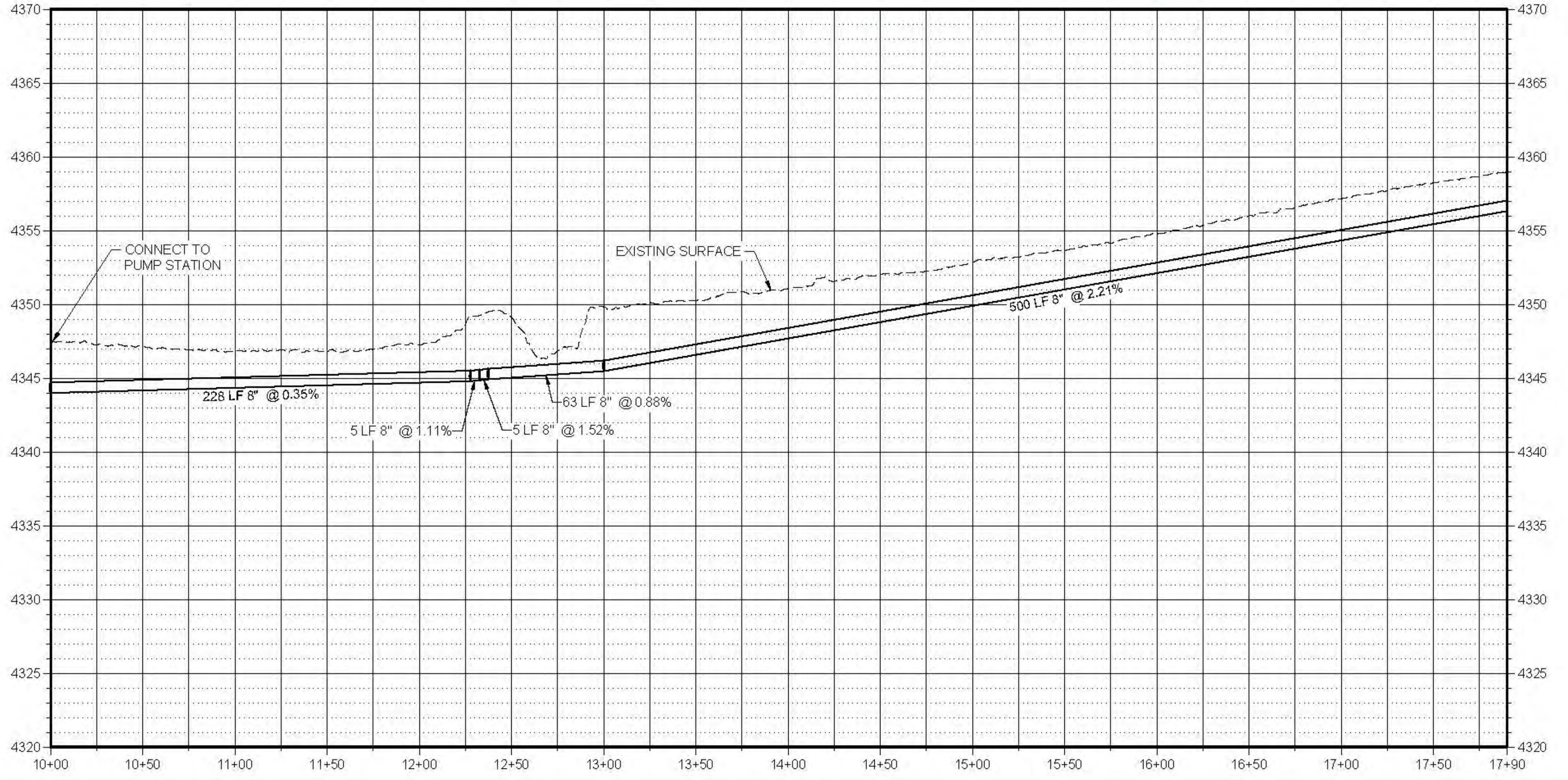
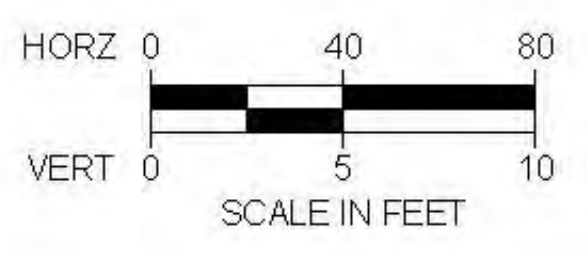


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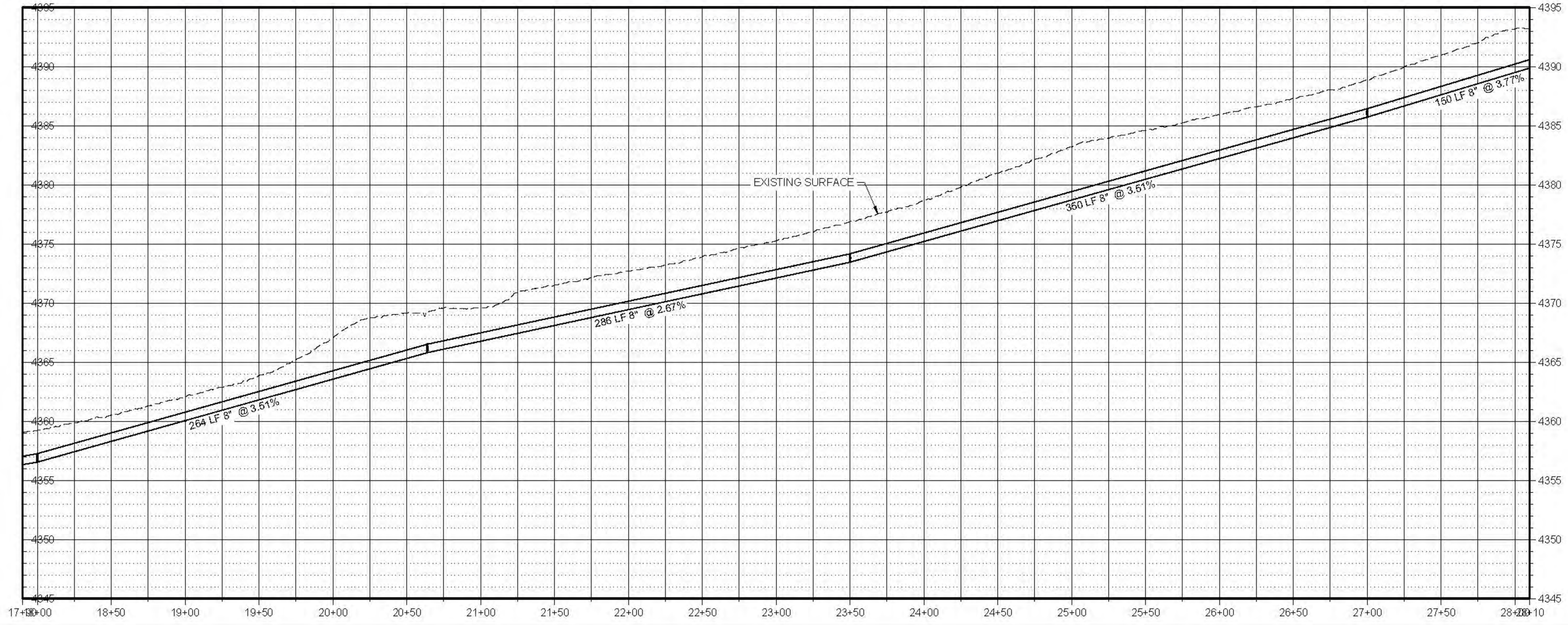
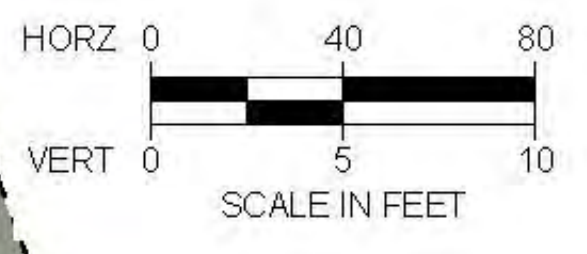
NO.	REVISION	DESCRIPTION	BY	DATE



File: 57-23-010-TRE STORAGE C-201.DWG
 Date: 10/23/2024 10:15 AM
 Plotted By: Parker Achimbech
 Data: 10/23/2024 10:15 AM
 Project: 57-23-010-LOWER BEAR RIVER WATER SERVICE DESIGN TREATMENT ON C-201 SHEET C-201
 User: Parker Achimbech

LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
 PLAN AND PROFILE

FILE: 57-23-010-TRE STORAGE C-201
 JUB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
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 LAST UPDATED: 10/23/2024
 SHEET NUMBER:
C-201



Plot Date: 10/23/2024 10:16 AM. Plotted By: Parker, Nicholas
 Data Source: 10/23/2024 10:16 AM. Project: 57-23-010 - LOWER BEAR RIVER WATERSHED DESIGN TREATMENT ONLINE SHEET 23-010 - TRE STORAGE_C-202.dwg



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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_C-202
 JOB PROJ: # 57-23-010
 DRAWN BY: ###
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 LAST UPDATED: 10/23/2024
 SHEET NUMBER:
C-202



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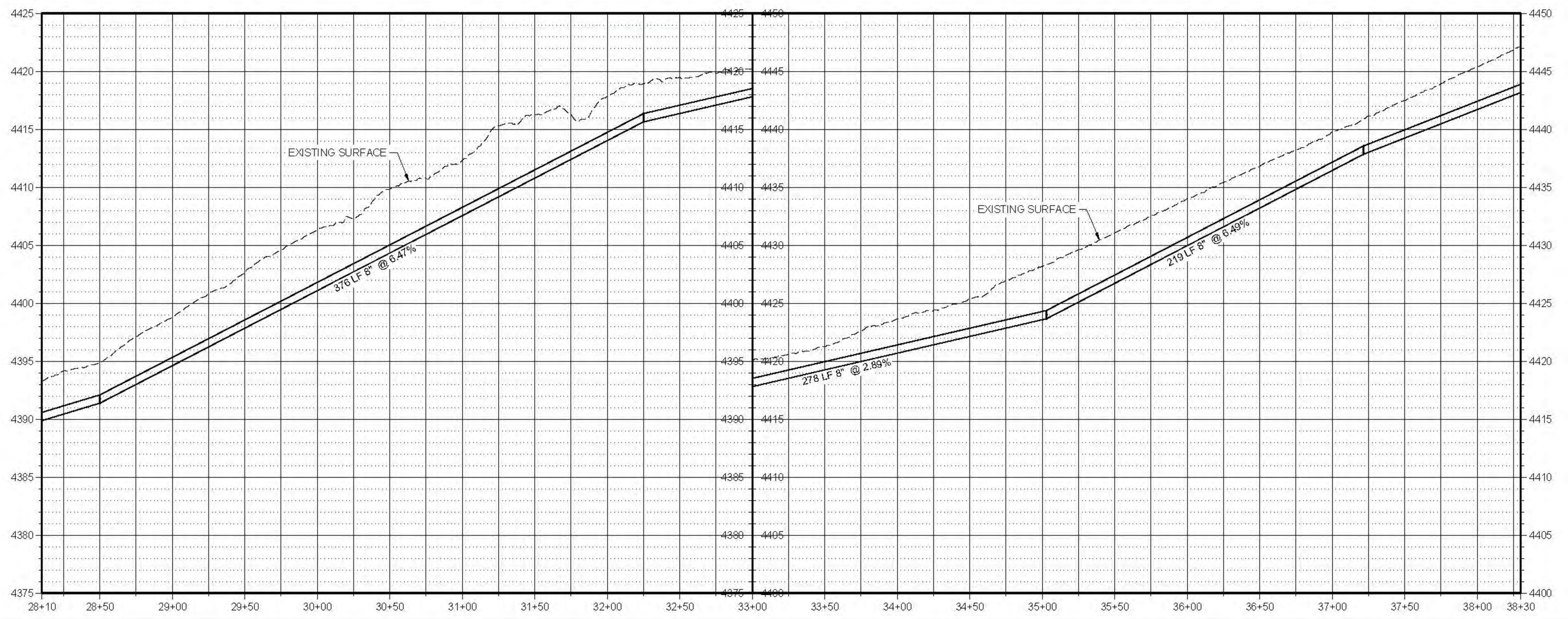
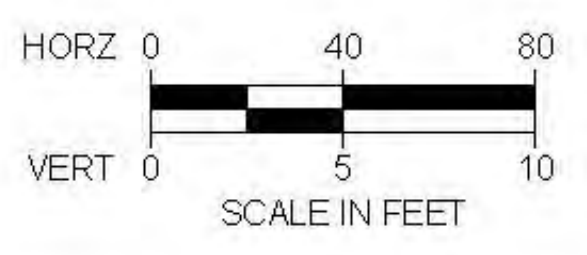
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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_C-203.dwg
JOB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED: 10/22/2024
SHEET NUMBER:
C-203



Plot Date: 10/22/2024 10:16 AM, Plotted By: Parker, Nicholas
Data Location: C:\GIS\2024\SUBCENTRAL\LENTS\UT\BEAR\WATER\EQ\SERV\AN\57-23-010-LOWER BEAR WATER EQ STORAGE TREATMENT ON C-203\DRG\57-23-010-TRE_STORAGE_C-203.dwg

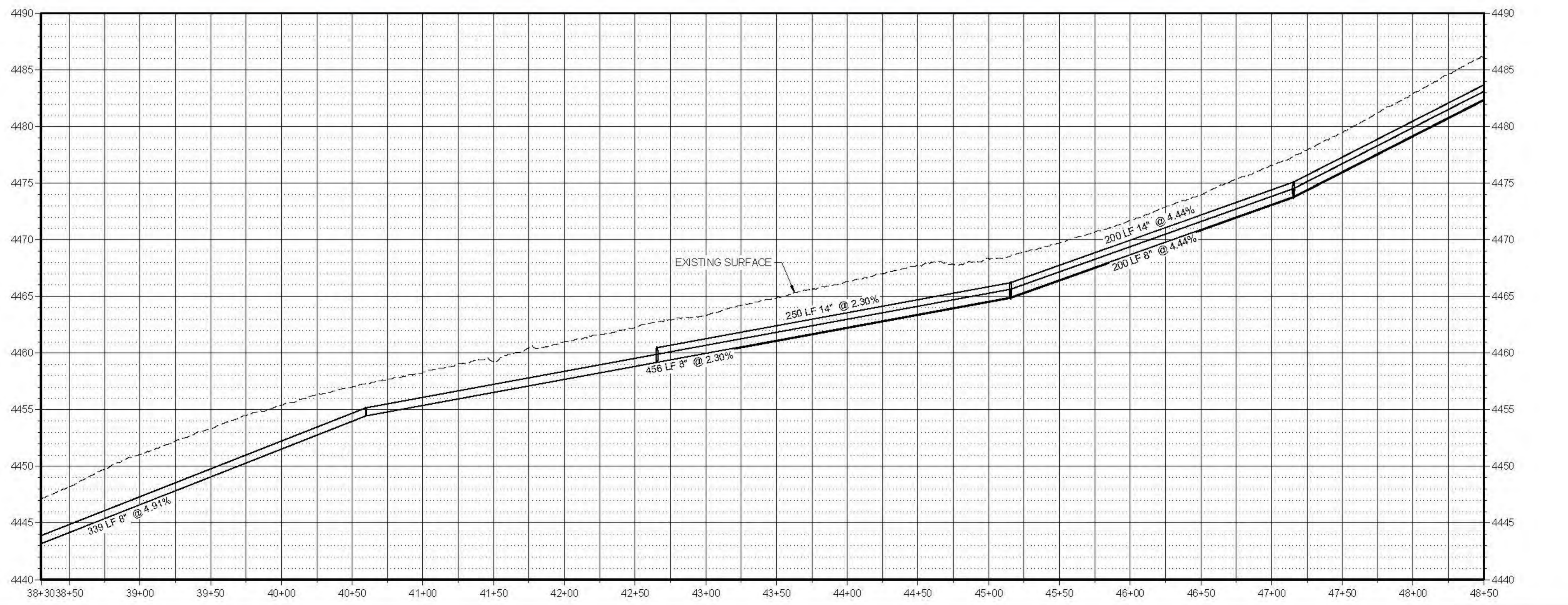
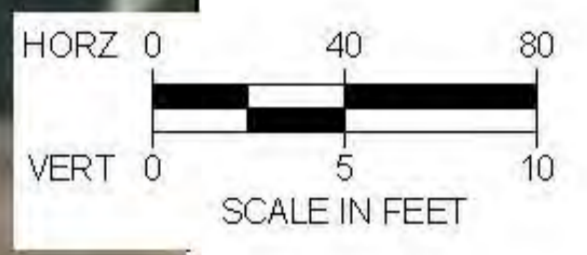


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NO.	DESCRIPTION	BY	DATE



LOWER BEAR RIVER EIS
 TREMONTON PRESSURE IRRIGATION EQ STORAGE
 PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_C-204.dwg
 JUB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/23/2024
 SHEET NUMBER:
C-204

File D:\a\10252502\10-19-AM_Plan\Plan By: Parker_Achambach
 Date: 10/23/2024 10:23:02 AM PROJECT: 57-23-010 LOWER BEAR RIVER WATERSHED EIS/TREMONTON TREATMENT/DRAWINGS/SHEET 107-23-010_TRE_STORAGE_C-204.dwg



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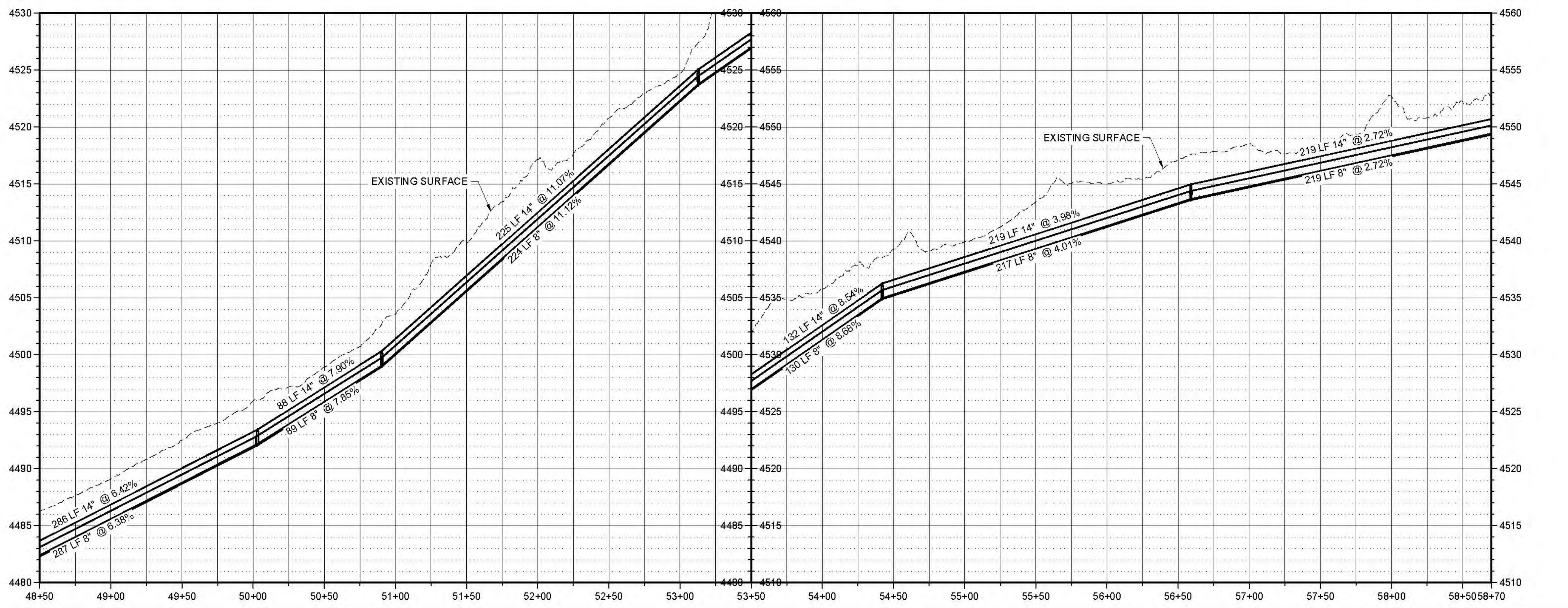
NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 TREMONTON PRESSURE IRRIGATION EQ STORAGE
 PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_C-205
 JUB PROJ # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###

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

SHEET NUMBER:
C-205



File: 10/25/2024 10:17 AM Plotted By: Parker Achimich
 Date Created: 9/16/24 10:24:24 SUBCENTRAL CLIENTS/UT/BEAR RIVER WATER CONSERVANCY/DISTRICT PROJECTS/57-23-010 LOWER BEAR RIVER WATERSHED DESIGN/TREMONTON EQ STORAGE_C-205.DWG



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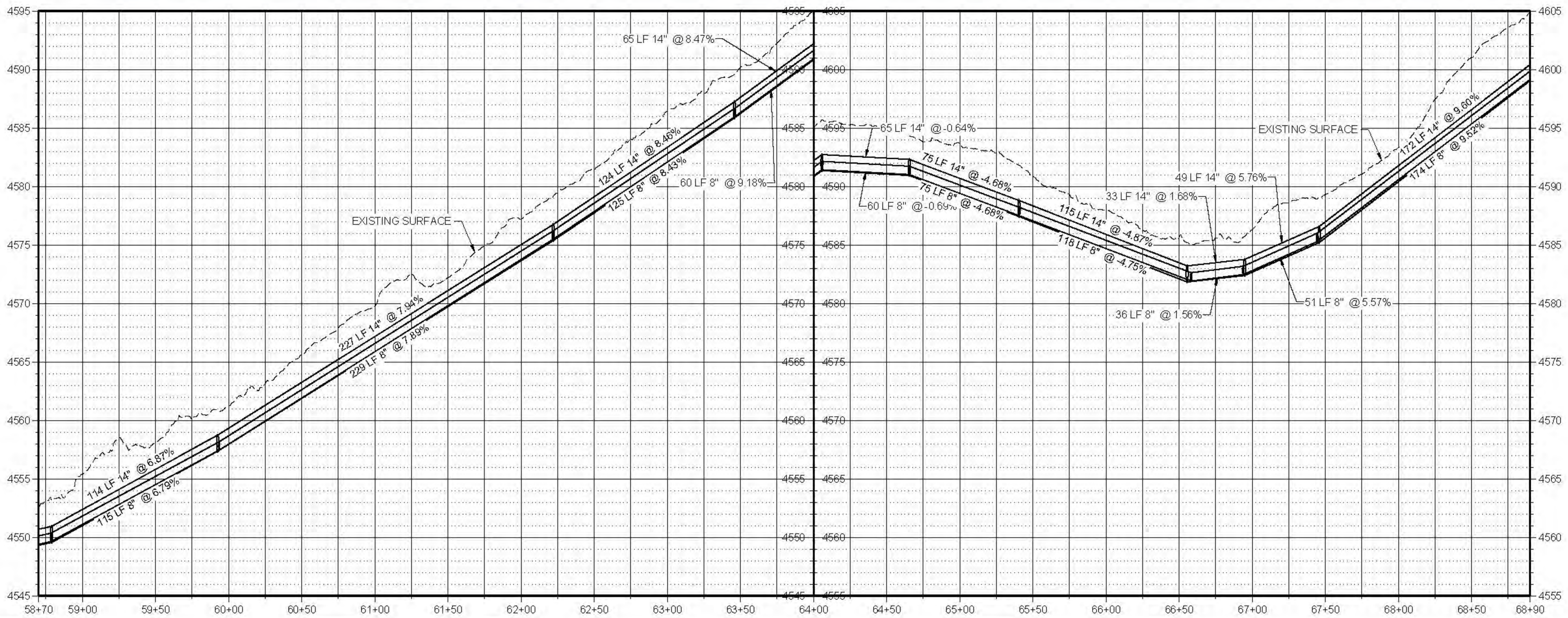
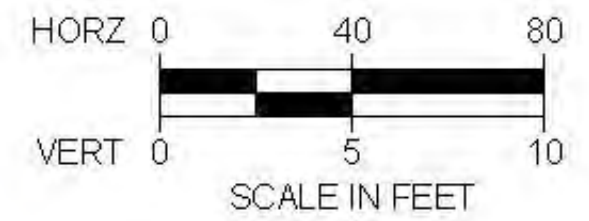
NO.	DESCRIPTION	BY	DATE

**LOWER BEAR RIVER EIS
 TREMONTON PRESSURE IRRIGATION EQ STORAGE**
 PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_020X
 JOB PROJ: # 57-23-010
 DRAWN BY: ###
 DESIGN BY: ###
 CHECKED BY: ###

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

SHEET NUMBER:
C-206



Plot: 10/23/2024 10:17 AM. Plotted By: Parker, Nicholas
 Date: 10/23/2024 10:17 AM. Plotted By: Parker, Nicholas
 File: 57-23-010_TRE_STORAGE_020X.dwg



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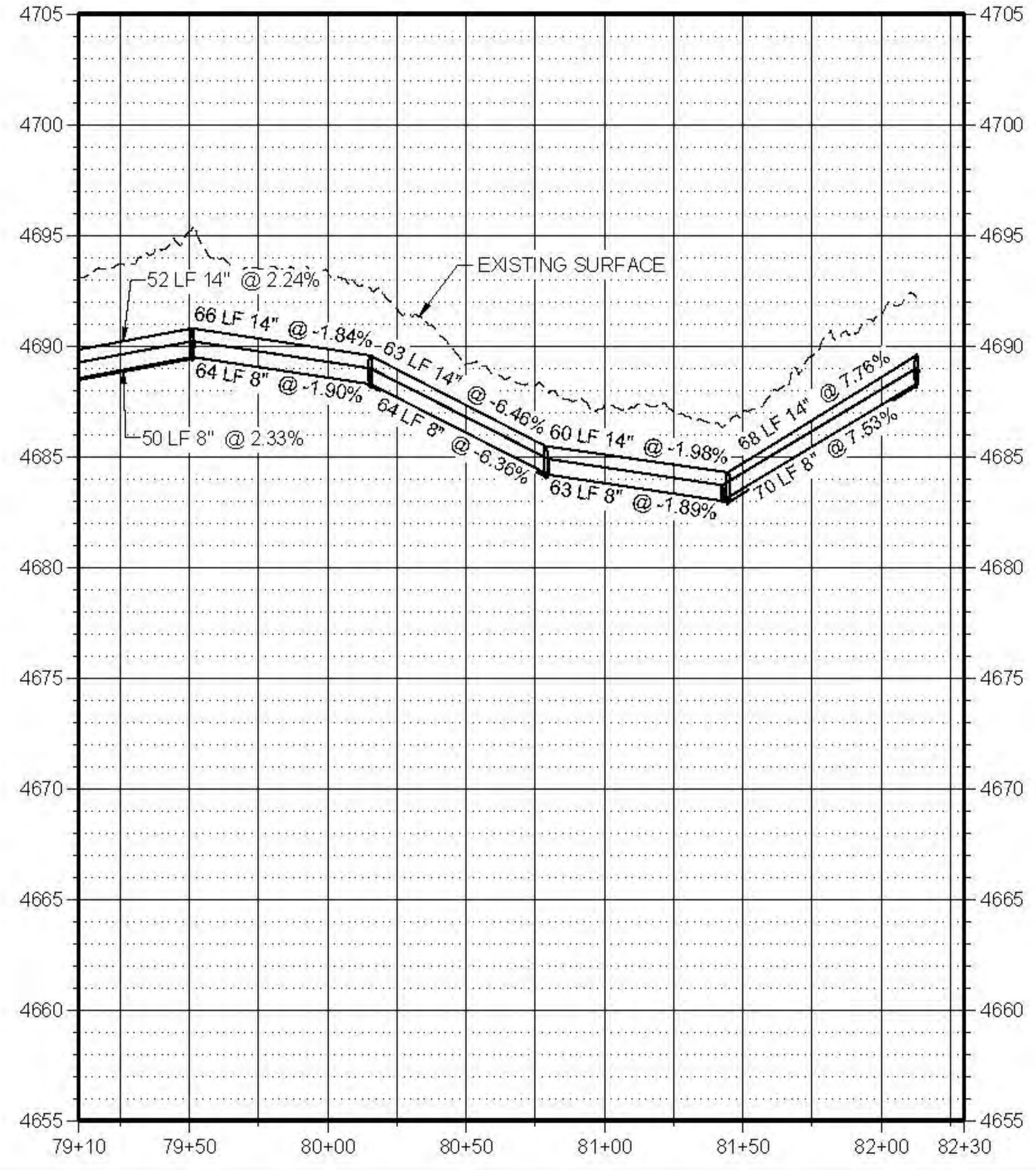
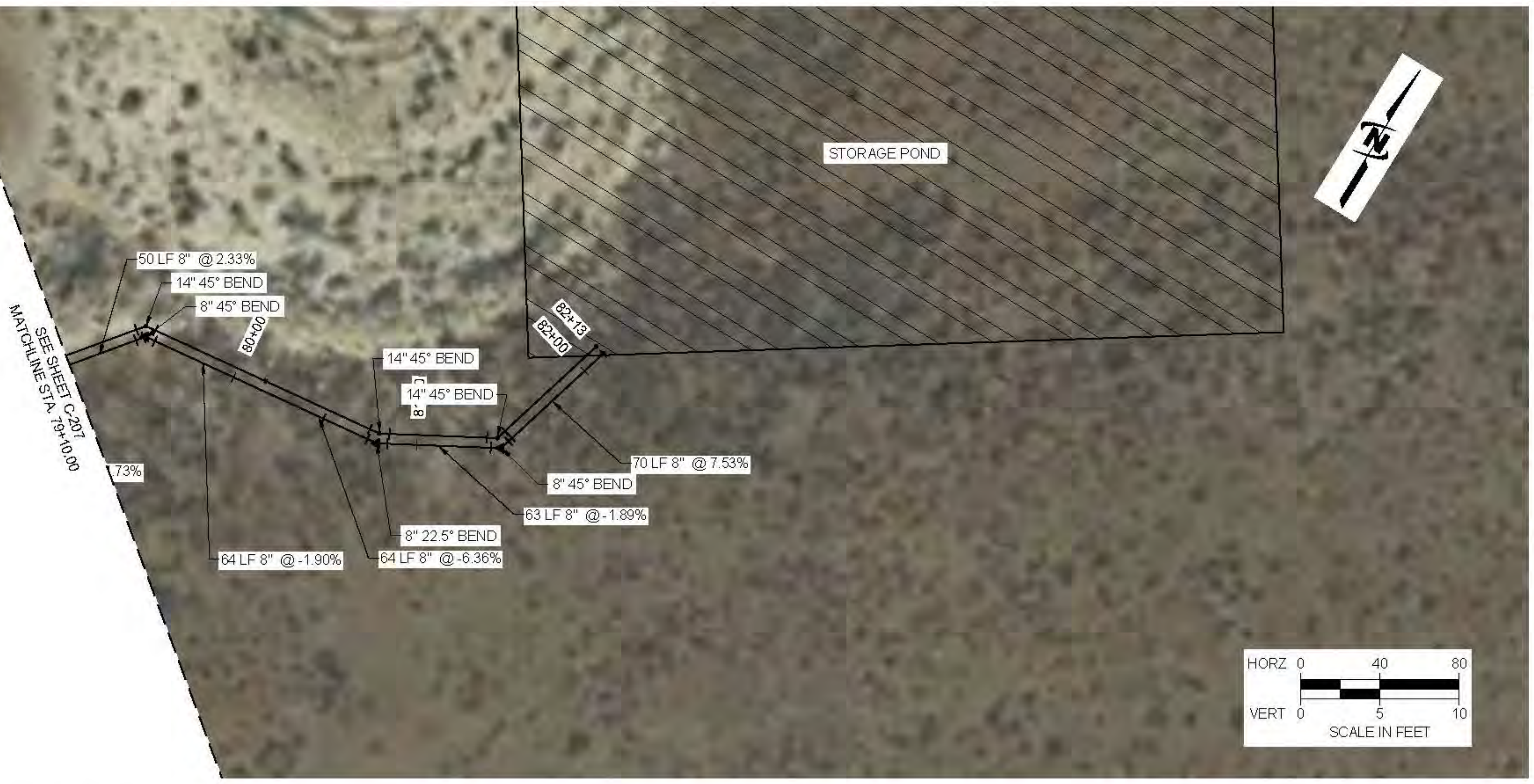
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LOWER BEAR RIVER EIS
TREMONTON PRESSURE IRRIGATION EQ STORAGE
PLAN AND PROFILE

FILE: 57-23-010_TRE_STORAGE_C-208.dwg
JUB PROJ: # 57-23-010
DRAWN BY: ###
DESIGN BY: ###
CHECKED BY: ###
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LAST UPDATED: 10/23/2024
SHEET NUMBER:
C-208

Plot: 06/10/2024 10:17 AM, Plotted By: Parker, Nicholas
Data: 06/10/2024 10:17 AM, Plotted By: Parker, Nicholas



LOWER BEAR RIVER EIS

BEAR RIVER CITY PRESSURE IRRIGATION

October 2024

PRELIMINARY PLANS NOT FOR CONSTRUCTION

30% PLAN SET



AREA MAP



VICINITY MAP

PROJECT LOCATION



PROJECT NO. 57-23-010



J-U-B ENGINEERS, INC.

1047 South 100 West, Suite 180, Logan, UT 84321
p 435 713 9514 w www.jub.com



THE LANGDON GROUP



GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES

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C-202	PLAN AND PROFILE
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P:\025\2024\10\25\2024\JUBCENTRALCLIENTS\UT\BEAR RIVER WATER CONSERVANCY\DISTRICT\PROJECT\57-23-010_LOWER BEAR RIVER WATERSHED\DESIGN\BEAR RIVER CITY\CAD SHEETS\57-23-010_BEAR RIVER CITY\PL_G-001.DWG



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NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 BEAR RIVER CITY PRESSURE IRRIGATION
 LINE LEGEND

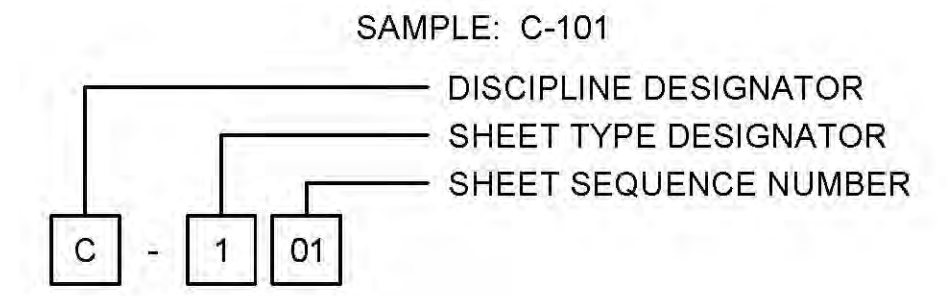
FILE: 57-23-010_BEARRIVERCTYPR...
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 DRAWN BY: PJA
 DESIGN BY: PJA
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 LAST UPDATED: 10/23/2024
 SHEET NUMBER:
G-002

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

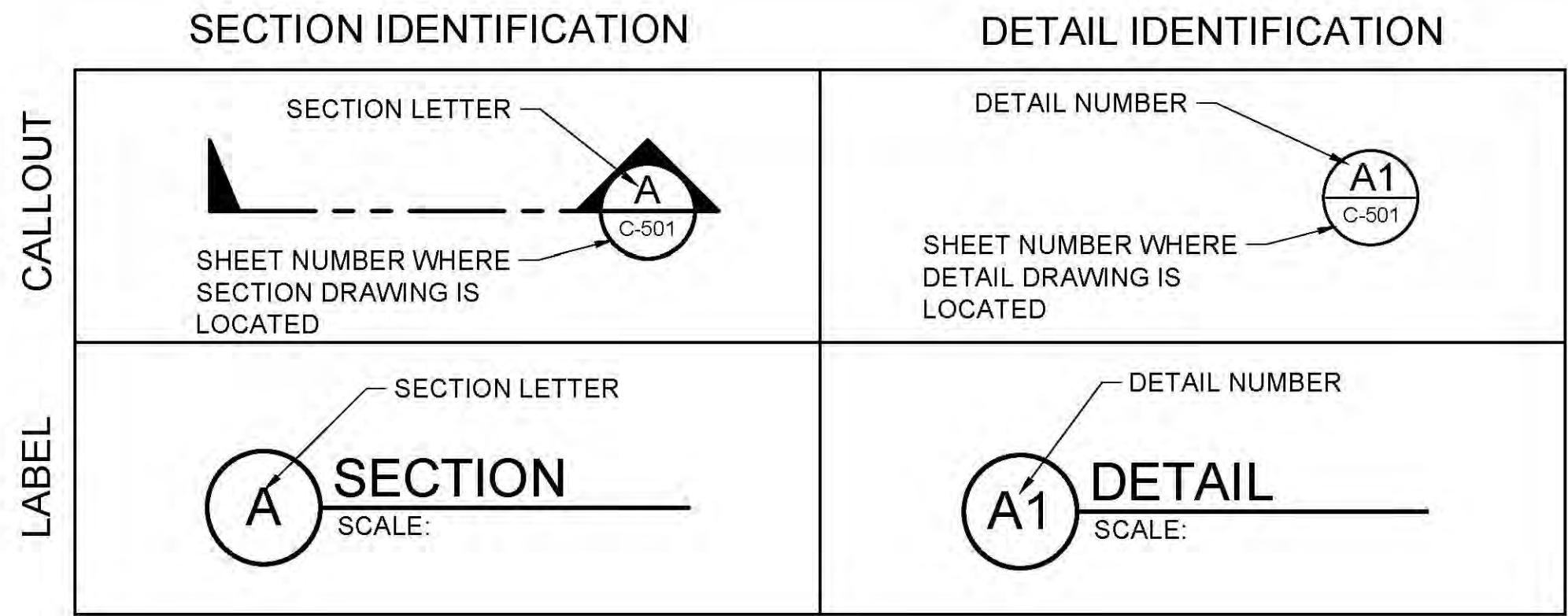


DISCIPLINE DESIGNATORS		
DISCIPLINE	DESIGNATOR	DESCRIPTION
GENERAL	G	ALL GENERAL
	GI	GENERAL INFORMATION
	GC	GENERAL CONTRACTUAL
	GR	GENERAL RESOURCE
SURVEY/MAPPING	V	ALL SURVEY
GEOTECHNICAL	B	ALL GEOTECHNICAL
CIVIL	C	ALL CIVIL
LANDSCAPE	L	ALL LANDSCAPE
STRUCTURAL	S	ALL STRUCTURAL
ARCHITECTURAL	A	ALL 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.



Plot Date: 10/23/2024 8:58 AM Plotted By: Parker, Achenbach
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Plot Date: 10/25/2024 8:58 AM Plotted By: Parker Achenbach
DWG Created: 2/2/2024 10:02:10 AM Client: SUT/BEAR RIVER WATER CONSERVANCY DISTRICT PROJECT: 57-23-010 LOWER BEAR WATERSHED DESIGN/BEAR RIVER CITY CAD SHEET 167-23-010 BEARRIVERCTYP1 G-004.DWG

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)		
CAP (BRASS)		
CHISELED X		
CTRL PT GENERIC		
CTRL PT 1/2" REBAR		
CTRL PT 5/8" REBAR		
CTRL PT 60D NAIL		
CTRL PT HUB & TACK		
CTRL PT PK NAIL		
CTRL PT TEMP BENCH MARK		
NAIL		
NAIL AND TAG		
NAIL (PK)		
BOLT		
DRILL STEEL		
REBAR (1/2")		
REBAR (5/8")		
STAINLESS STEEL ROD		
IRON PIPE		
RAILROAD SPIKE		
R/W MONUMENT		
STONE		
SECTION CORNER. MON.		
SECTION QUARTER MON.		
SITE		
BOLLARD		
BOULDER		
DRINKING FOUNTAIN		
FLAGPOLE		
GATE		
MAIL BOX		
PARKING METER		
POST		
SIGN		
SPOT ELEVATION		
TREE (SHRUB)		
TREE (STUMP)		
TREE (CONIFEROUS)		
TREE (DECIDUOUS)		
TEST HOLE		
WELL		
WELL (MONITORING)		

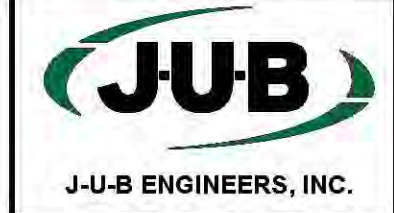
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)		
PRESSURE CLEAN OUT AT GRADE		
THRUST BLOCK		
VAULT		
COMMUNICATION		
TELE. MANHOLE		
TELE. PEDESTAL		
TELE. POLE		
TV PEDESTAL		
GUY WIRE		
DOMESTIC WATER		
FIRE HYDRANT		
SPIGOT		
YARD HYDRANT		
WATER MANHOLE		
WATER METER		
WATER VALVE		
ELECTRIC		
ELEC. MANHOLE		
ELEC. METER		
ELEC. TRANS.		
JUNCTION BOX		
POWER POLE		
POWER STUB		
STREET LIGHT		
TRAFFIC SIGNAL POLE		
IRRIGATION		
IRRIGATION VALVE		
IRRIGATION VALVE BOX		
SPRINKLER		
NATURAL GAS		
GAS METER		
GAS VALVE		
SANITARY SEWER		
CLEANOUT		
SEWER STUB		
SS MANHOLE		
STORM DRAIN		
CATCH BASIN		
DRY WELL		
FLARE END		
GREASE TRAP		
SD MANHOLE		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
FITTINGS		
BEND (11.25°)		
BEND (22.5°)		
BEND (45°)		
BEND (90°)		
CAP		
COUPLING		
CROSS		
REDUCER (CONCENTRIC)		
REDUCER (ECCENTRIC)		
TEE		
TRUE UNION		
WYE		
VALVES		
AIR VALVE		
BLOW OFF		
COMBO VALVE		
BALL VALVE (N.C.)		
BALL VALVE (N.O.)		
BUTTERFLY VALVE		
CHECK VALVE		
CHECK VALVE (FLANGE)		
CHECK VALVE (MJ)		
GATE VALVE		
PLUG VALVE (N.C.)		
PLUG VALVE (N.O.)		
ROAD MARKINGS		
TURN ARROW		
ARROW STRAIGHT		
ARROW STRAIGHT/TURN		
BICYCLE ROUTE		
CAR		
HANDICAP SYMBOL		
ROADWAY		
INTERSTATE ROUTE		
MAST ARM		
PEDESTRIAN SIGNAL		
STATE ROUTE		
TRAFFIC LIGHT		

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
ROADWAY (CONT.)		
TYPE 2 BARRICADE		
US ROUTE		
TRAFFIC ATTENUATOR		
JERSEY BARRIER		

ABBREVIATIONS	
ASSY	ASSEMBLY
>	ANGLE
@	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSC	BITUMINOUS SURFACE COURSE
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C	CHANNEL (STRUCTURAL)
C/L	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
EA	EACH
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FT OR '	FEET
GV	GATE VALVE
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
NO OR #	NUMBER
PE	POLYETHYLENE
PL	PLATE
PL	PROPERTY LINE
PVC	POLYVINYL-CHLORIDE
R	RADIUS
RP	RADIUS POINT
R&R	REMOVE & REPLACE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W	RIGHT-OF-WAY

ABBREVIATIONS	
ASSY	ASSEMBLY
S	SLOPE
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
ST STL	STAINLESS STEEL
TBC	TOP BACK OF CURB
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED



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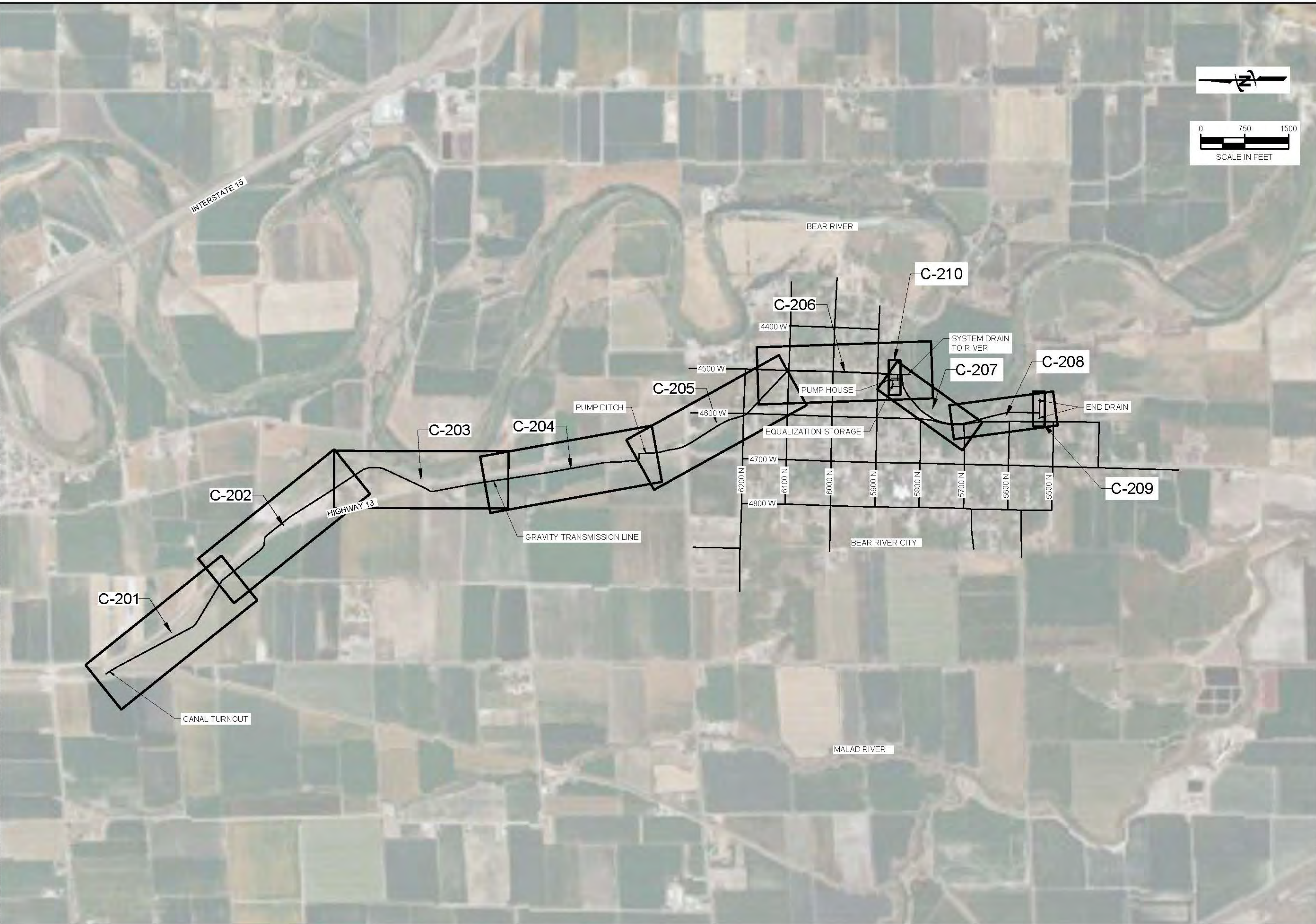
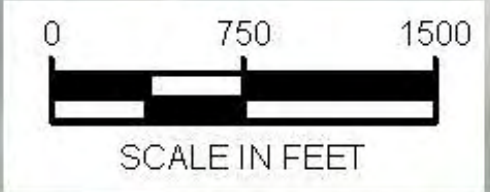
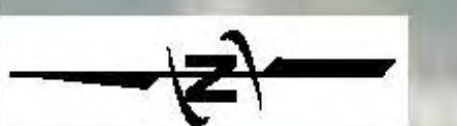
NO.	REVISION	DESCRIPTION	BY	DATE

LOWER BEAR RIVER EIS
 BEAR RIVER CITY PRESSURE IRRIGATION
 SYMBOL, LEGEND & ABBREVIATIONS

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 JUB PROJ #: 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
 CHECKED BY: ###
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G-003



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LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
GRAVITY TRANSMISSION SHEET INDEX & VICINITY MAP

FILE: 07-23-010_BEARRIVERCITYP
JUB PROJ: # 07-23-010
DRAWN BY: PJA
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ONE INCH
AT FULL SIZE, IF NOT ONE
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LAST UPDATED: 10/26/2024

SHEET NUMBER:
C-101

Plot Date: 10/26/2024 8:56 AM Plotted By: Parker Achenbach
Date Created: 10/26/2024 J:\06\CLIENTS\10\BEAR RIVER WATER CONSERVATION\DISTRICT\PROJECTS\07-23-010 LOWER BEAR RIVER WATERSHED\DESIGN\BEAR RIVER CITY\G-001.DWG

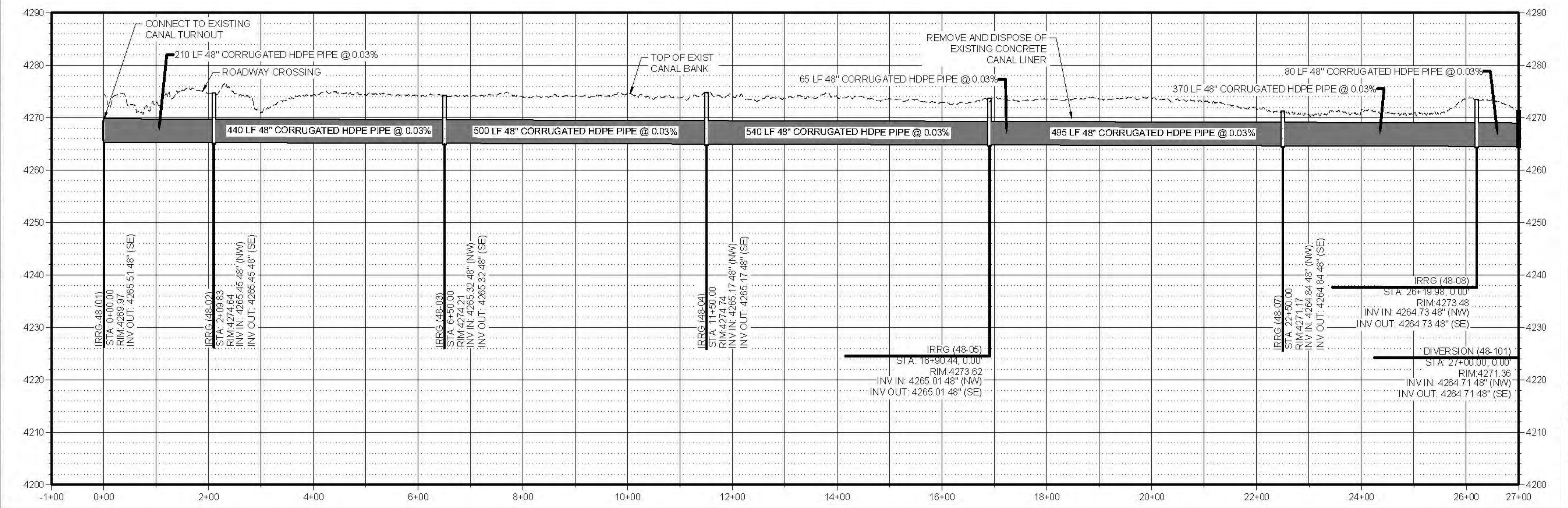


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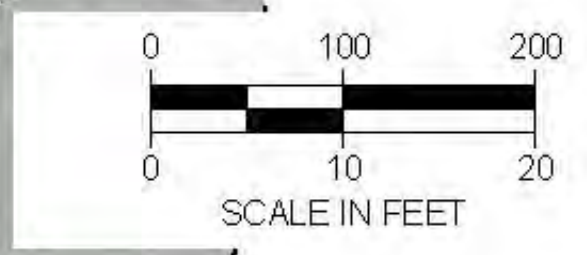
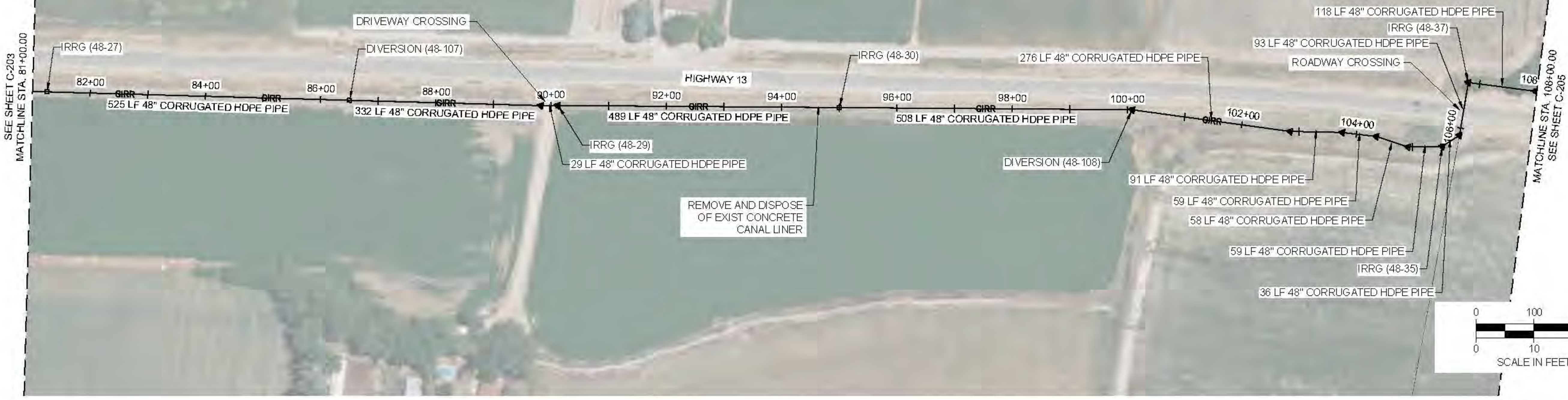
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BEAR RIVER CITY PRESSURE IRRIGATION
PLAN AND PROFILE

FILE: 57-23-010 BEARRIVERCITY C-201
 JOB PROJ: # 57-23-010
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C-201

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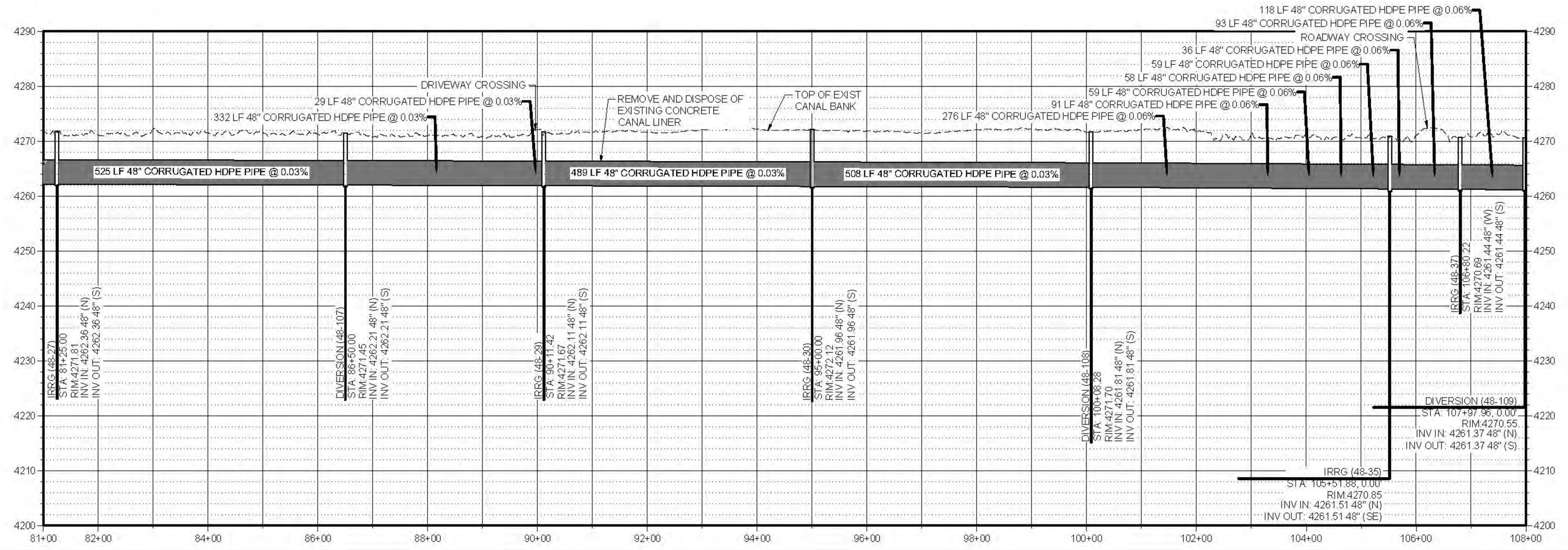
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Plot: 46:10252024 8:57 AM. Printed By: P. Mike Alenbach. Date: 04/24/2024. 04/24/2024 10:00:00 AM. PROJECT: 57-23-010 - LOWER BEAR RIVER WATERSHED DESIGN BEAR RIVER CITY CANAL SHEET 180. BEAR RIVER CITY PL C-204.DWG



LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION

PLAN AND PROFILE

FILE: 57-23-010 BEARRIVERCITY C-204
 JOB PROJ: # 57-23-010
 DRAWN BY: PJA
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
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 SHEET NUMBER:
C-204

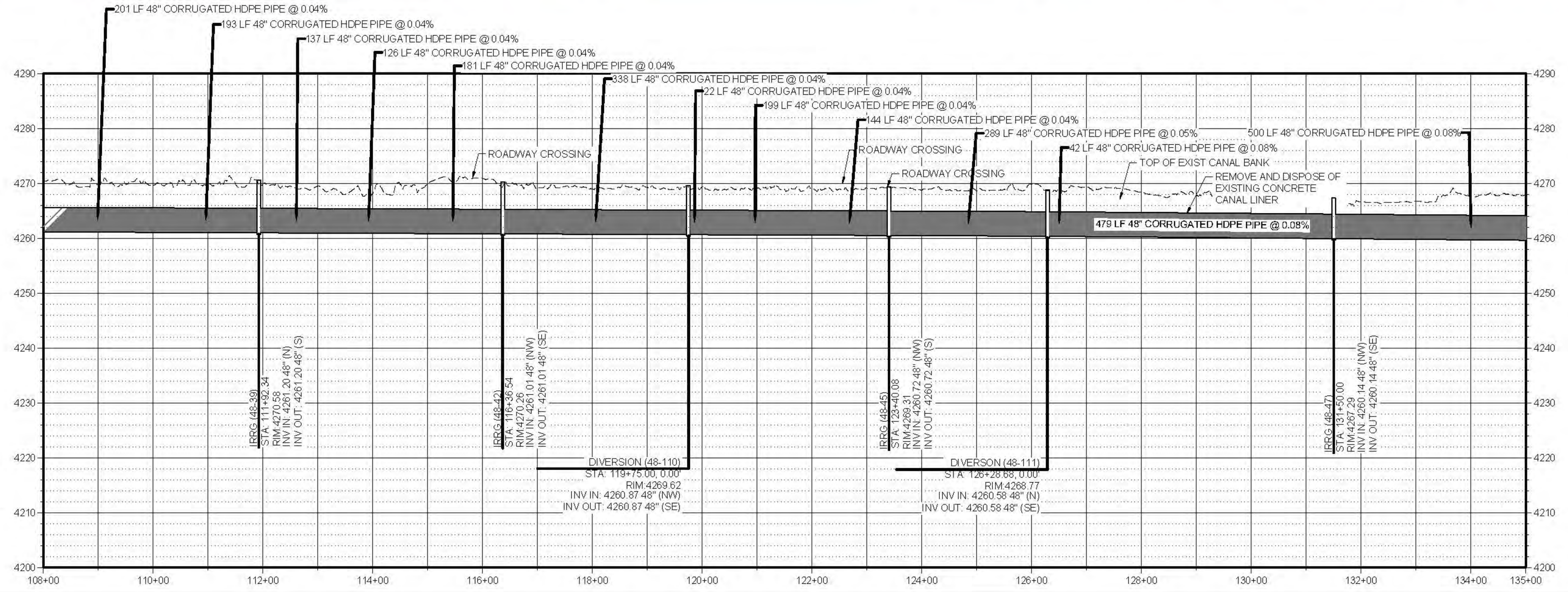
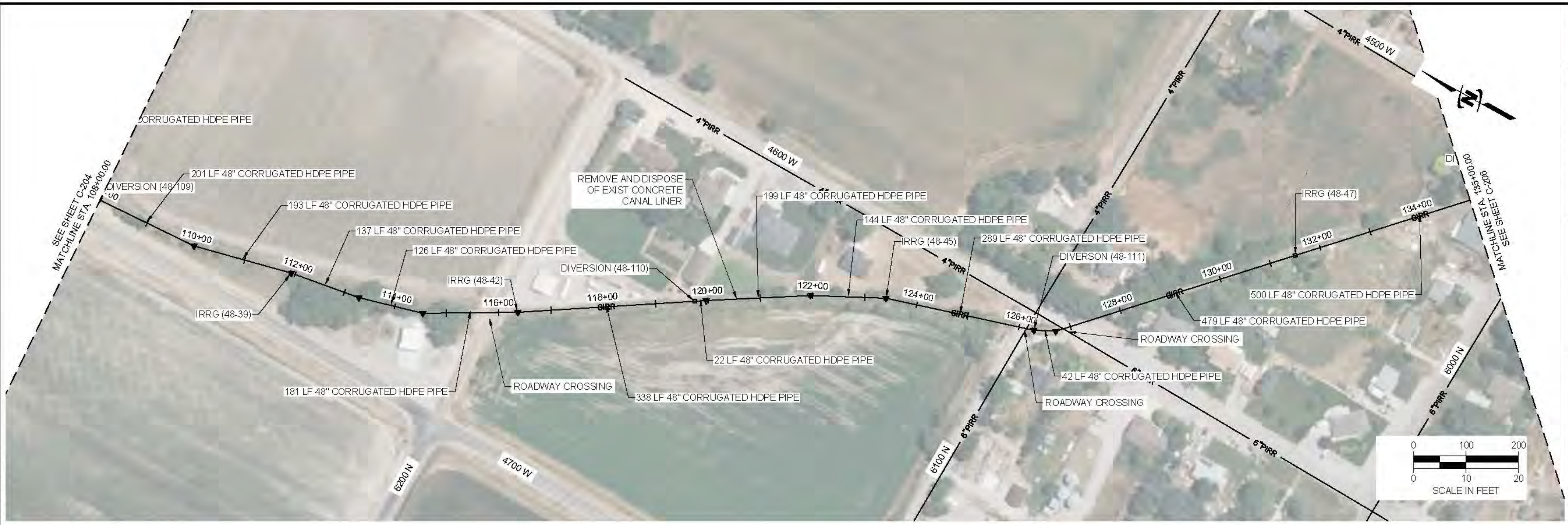


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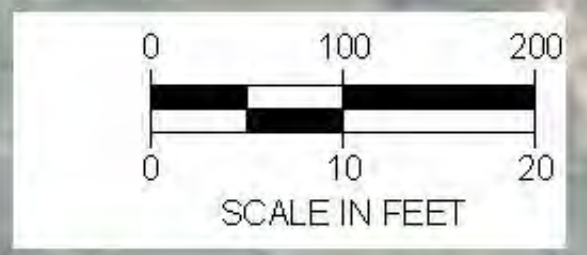


LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
PLAN AND PROFILE

FILE: 57-23-010 BEARRIVERCITY C-205
 JOB PROJ: # 57-23-010
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 DESIGN BY: PJA
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C-205



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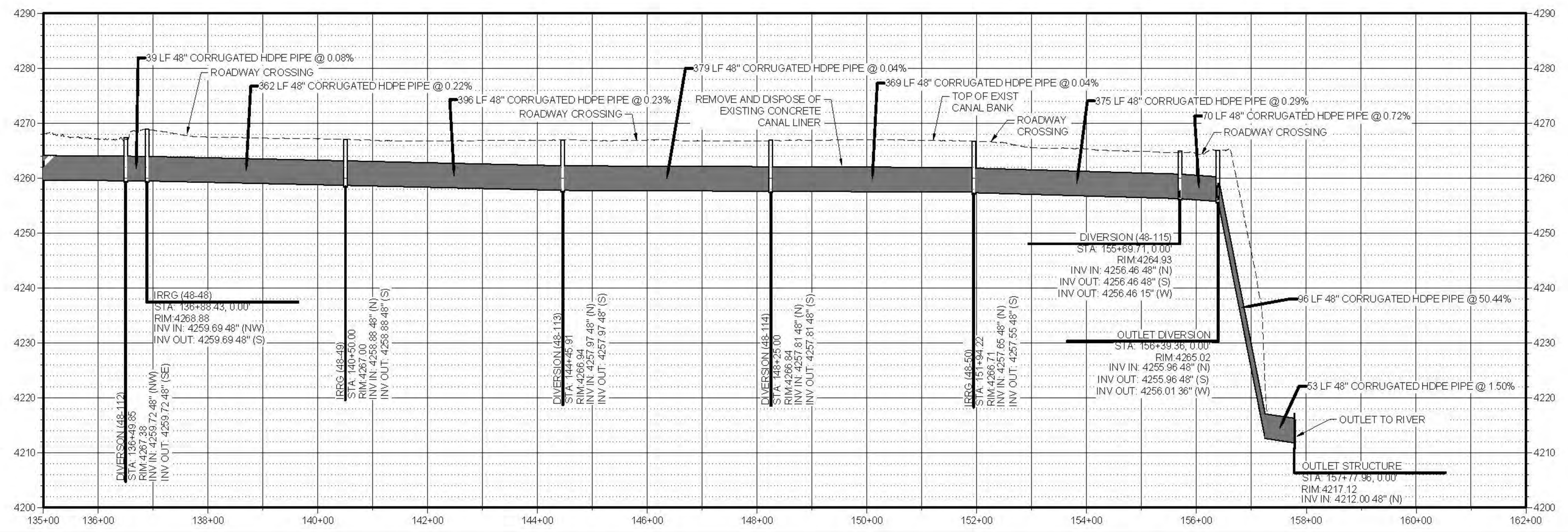


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LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
PLAN AND PROFILE

FILE: 57-23-010 BEARRIVER\CTYP C-206

JOB PROJ: # 57-23-010

DRAWN BY: PJA

DESIGN BY: PJA

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LAST UPDATED: 10/24/2024

SHEET NUMBER:
C-206

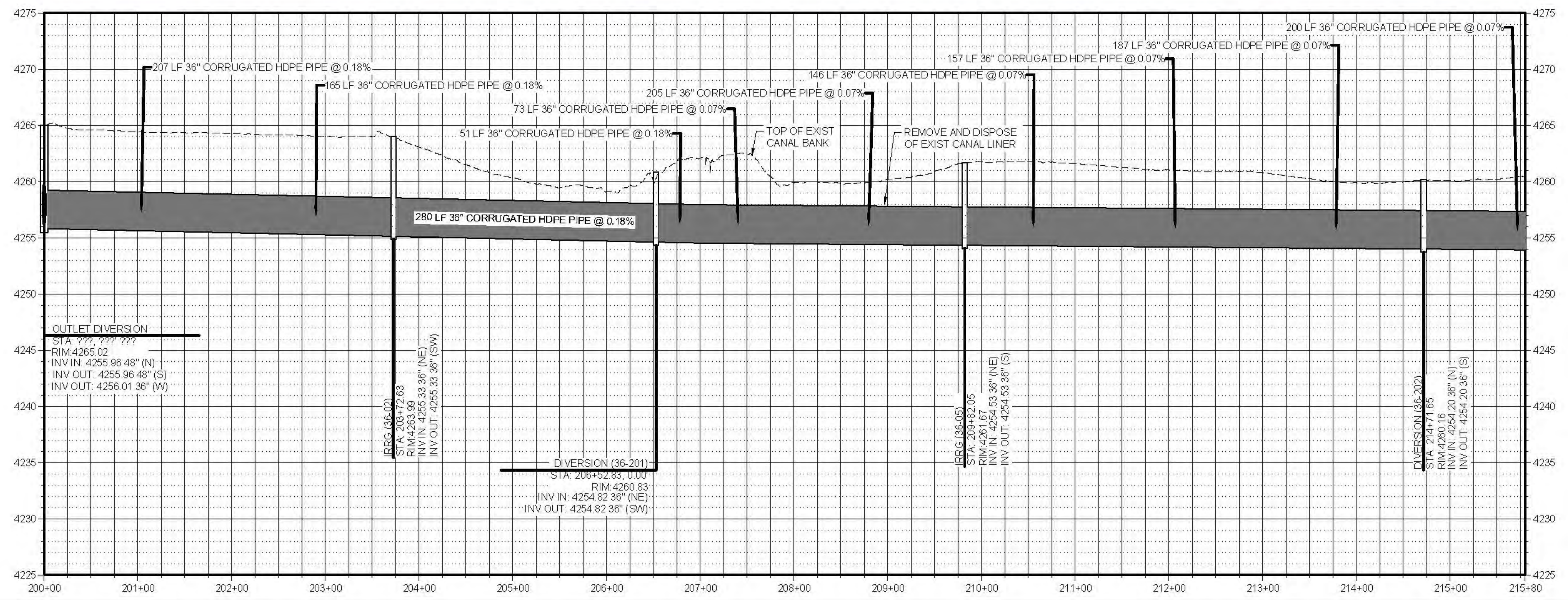
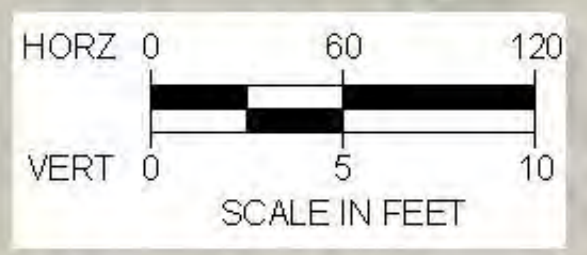
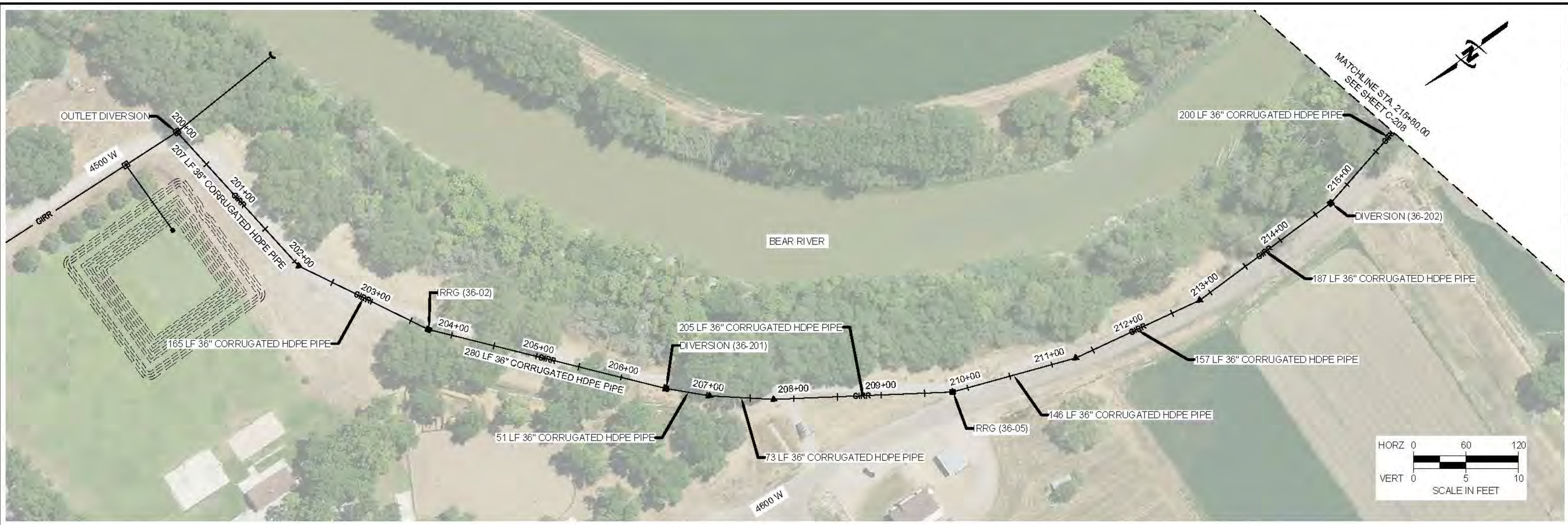


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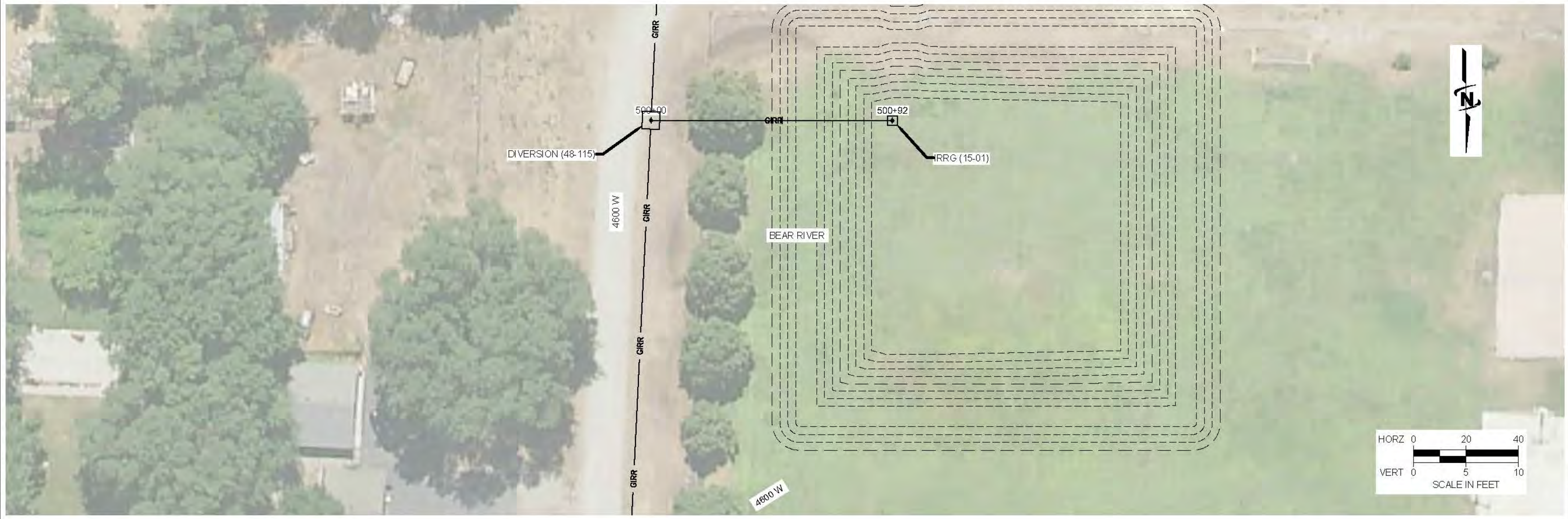


LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION

PLAN AND PROFILE

FILE: 57-23-010 BEARRIVERCITY
 JUB PROJ: # 57-23-010
 DRAWN BY: PJA
 DESIGN BY: PJA
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 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 10/24/2024
 SHEET NUMBER:
C-207

Plot: 4/10/2024 9:59 AM, Printed By: Parker Achenbach
 Date: 4/10/2024 9:59 AM, Project: 57-23-010 - LOWER BEAR RIVER EIS SHEET DESIGN BEARRIVERCITY, SHEET: 207, BEARRIVERCITY, C-207.DWG



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 Date: 10/26/2024 10:08:24 AM SUBCENTRALC:\CLIENTS\UT\BEARRIVER\WATER\ONSERVANCY\DISTRICT\PROJECT\57-23-010-LOWERBEARRIVER\WATER\DESIGN\BEARRIVER\CITY\C-207X.DWG

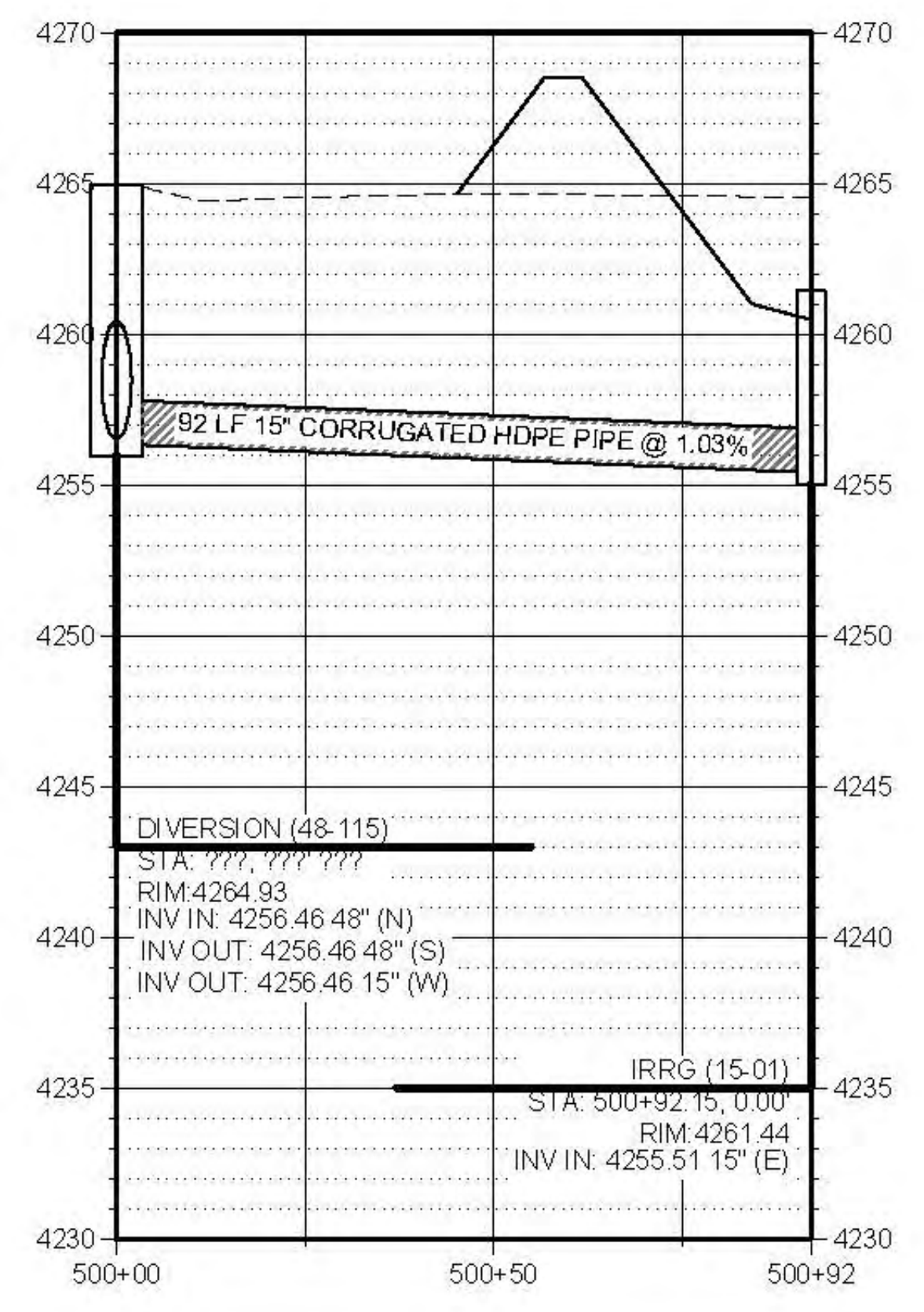
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LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
 PLAN AND PROFILE



FILE: 57-23-010_BEARRIVER\CITY\C-207X.DWG
 JUB PROJ: # 57-23-010
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C-210



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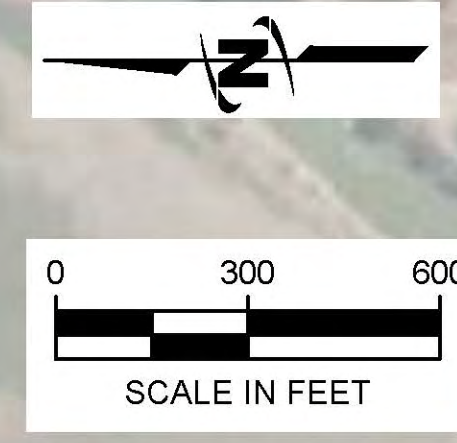
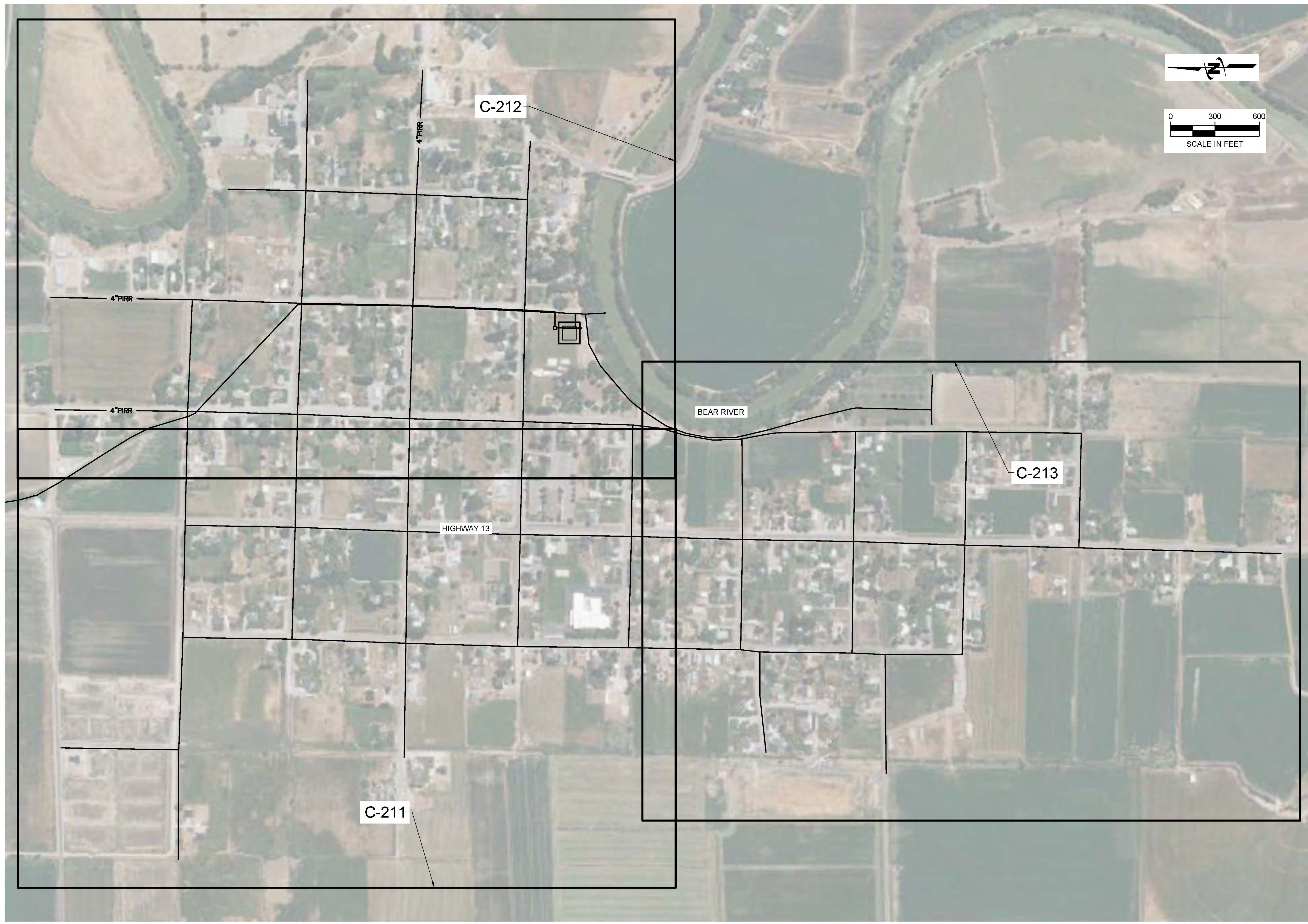
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LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
PRESSURE IRRIGATION SHEET INDEX

FILE : 57-23-010 BEARRIVERCITY
JUB PROJ # : 57-23-010
DRAWN BY : ###
DESIGN BY : ###
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AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024
SHEET NUMBER:
C-211



Plot Date: 10/25/2024 9:59 AM Plotted By: Parker Achenbach
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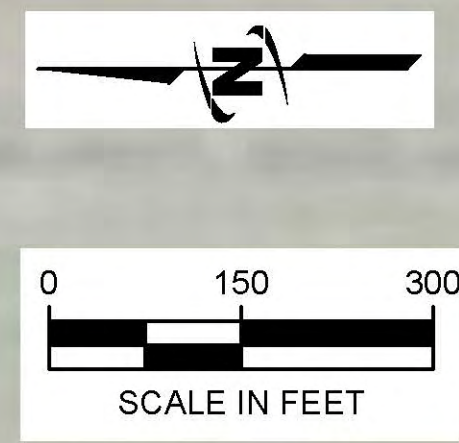
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**LOWER BEAR RIVER EIS
 BEAR RIVER CITY PRESSURE IRRIGATION
 PRESSURE IRRIGATION PLAN VIEW**

FILE : 57-23-010 BEARRIVERCITY C-211X
 JUB PROJ # : 57-23-010
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 SHEET NUMBER:
C-212



Plot Date: 10/25/2024 9:59 AM Plotted By: Parker Achenbach
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NO.	DESCRIPTION	BY	APP.	DATE

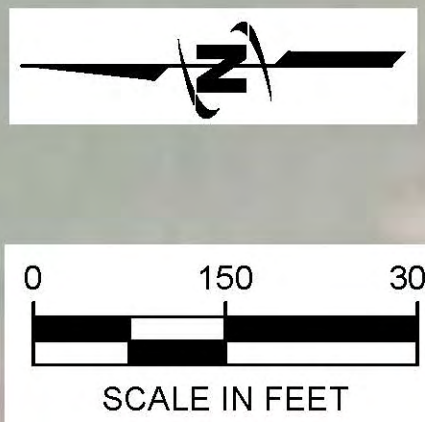
LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION

PRESSURE IRRIGATION PLAN VIEW

FILE : 57-23-010 BEARRIVERCITYP
JUB PROJ # : 57-23-010
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CHECKED BY : ###

ONE INCH
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LAST UPDATED: 10/24/2024

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C-213



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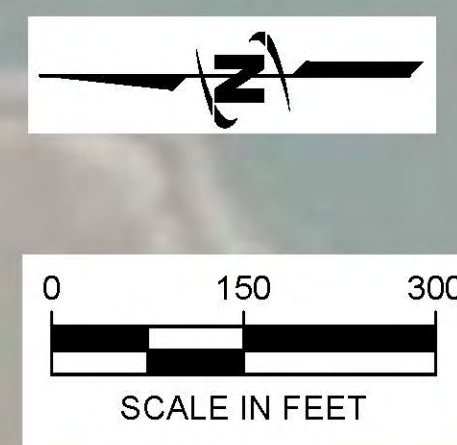
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LOWER BEAR RIVER EIS
BEAR RIVER CITY PRESSURE IRRIGATION
PRESSURE IRRIGATION PLAN VIEW

FILE : 57-23-010 BEARRIVERCITYP
JUB PROJ # : 57-23-010
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DESIGN BY : ###
CHECKED BY : ###
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INCH SCALE ACCORDINGLY
LAST UPDATED: 10/24/2024
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C-214



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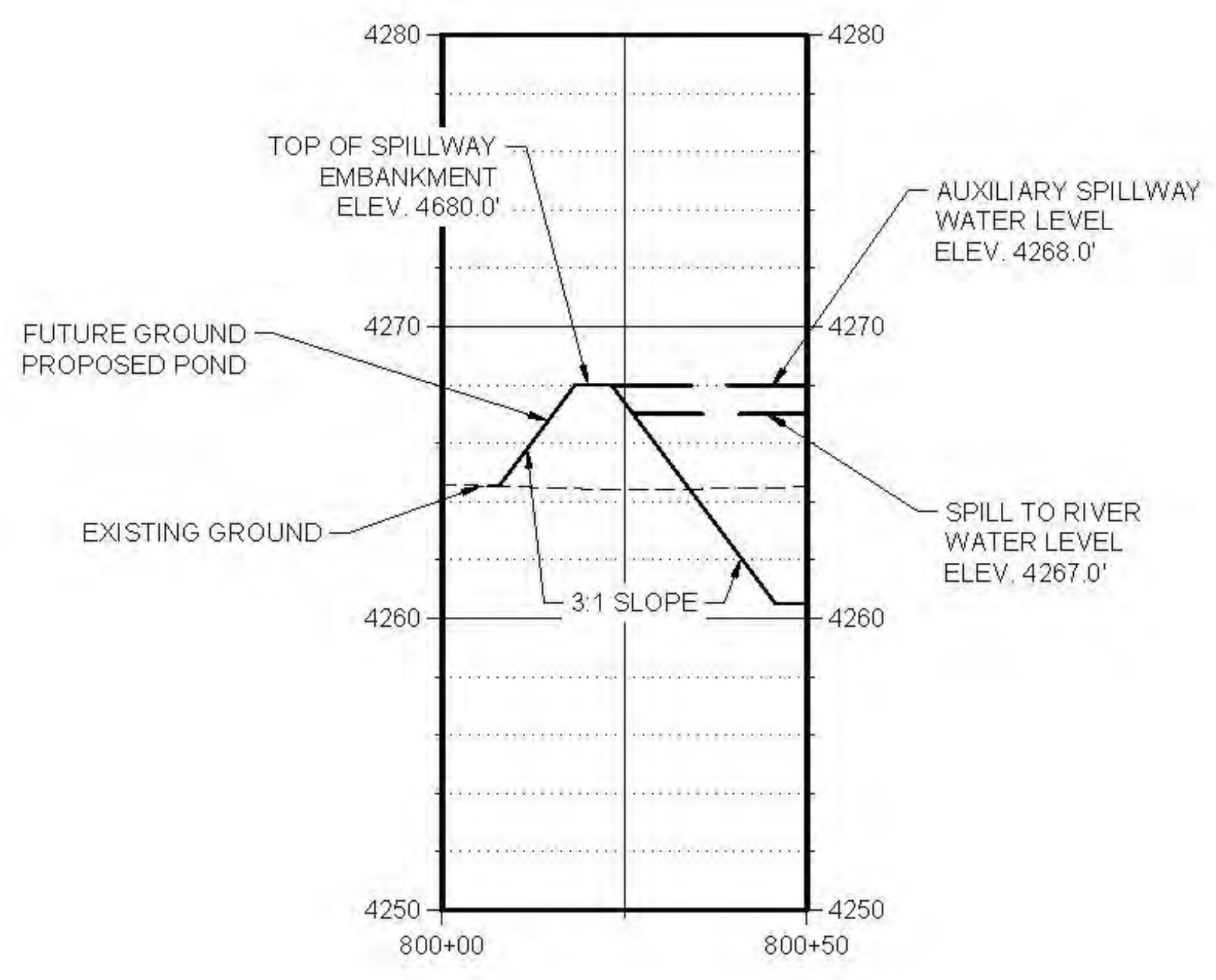
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LOWER BEAR RIVER EIS
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 EQUALIZATION STORAGE FACILITY SECTIONS

FILE: 07-23-010_BEARRIVERCITY
 JUB PROJ #: 07-23-010
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C-301

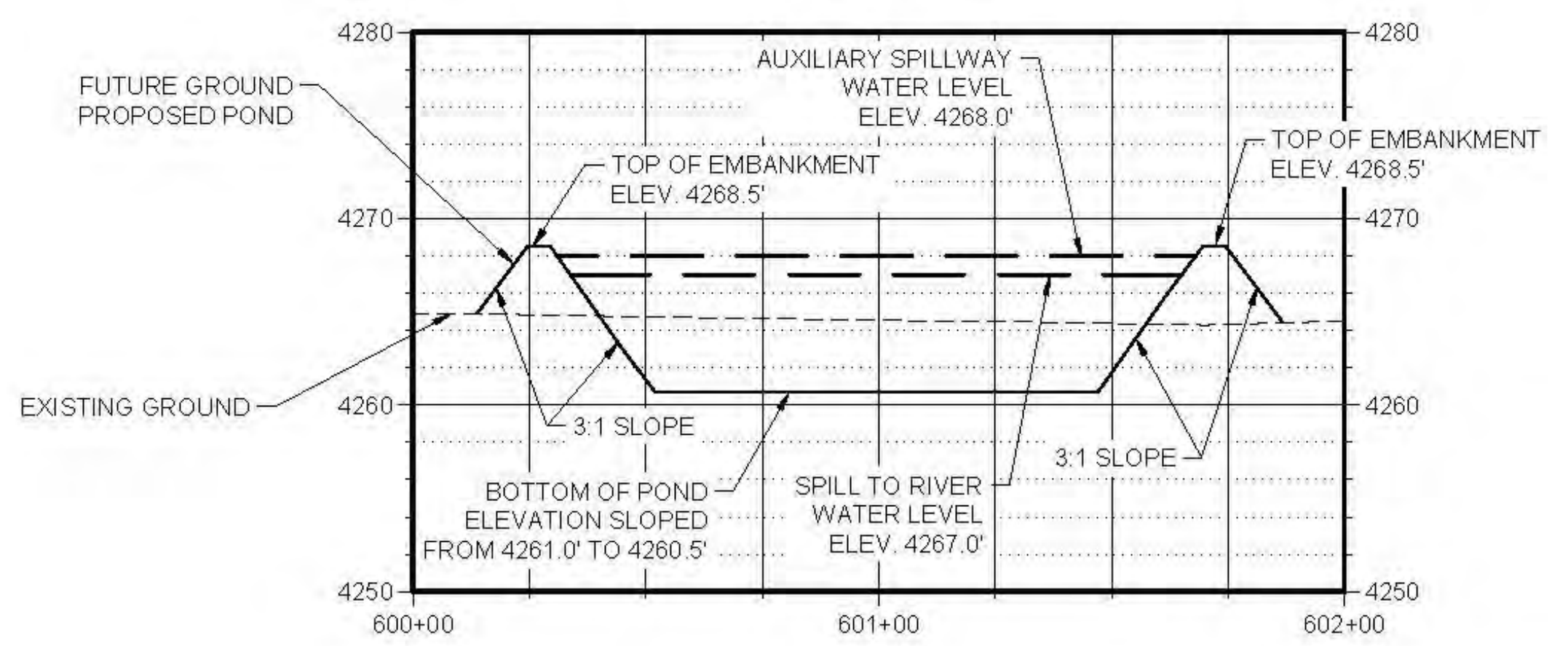


AUXILIARY SPILLWAY PROFILE

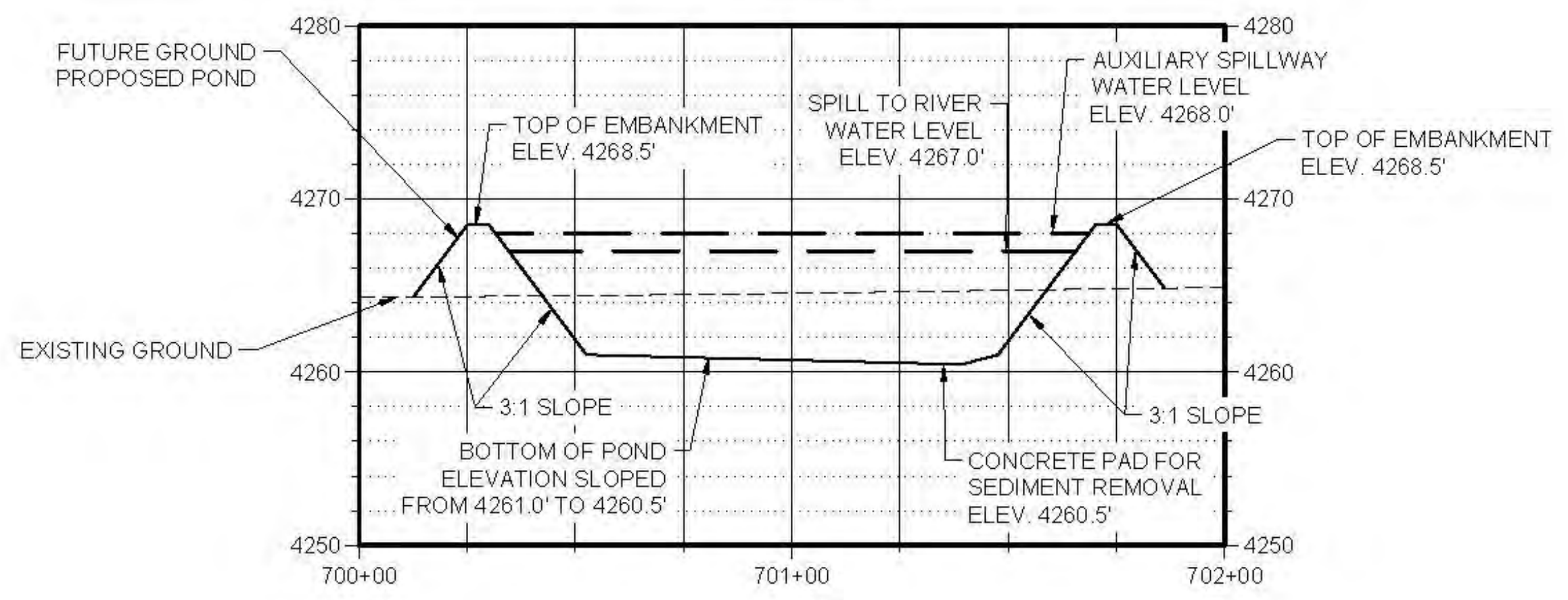


SPILLWAY LINED WITH CONCRETE FOR ACCESS TO REMOVE SEDIMENT

NORTH TO SOUTH SECTION PROFILE



WEST TO EAST SECTION PROFILE



Plot Date: 10/25/2024 9:00 AM Plotted By: Parker Achenbach Date Created: 10/24/2024 WUBENTCALCULATED BEAR RIVER WATER CONVERSION DISTRICT PROJECTS 66723-010 LOWER BEAR RIVER WATER CONVERSION DISTRICT SHEET C-301X DWG