

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



CARIBOU

AROOSTOOK

OTTER BROOK

FEDERAL PROJECT NO. 1723644

PROJECT LENGTH: 0.036 MILES

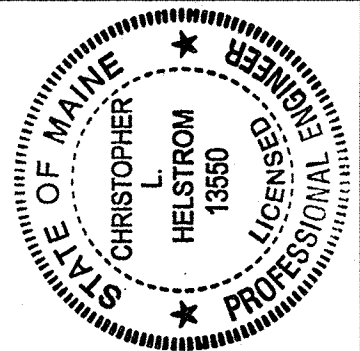
PLAN LEGEND

Town, County, State	_____	Catch Basins	▣ Existing ▣ Proposed
Property Lines	-----	Manholes	○ Existing ● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----
R/W Lines-Proposed	-----	Proposed Ditch	-----
Culvert-Existing	-----	Existing Ditch	-----
Culvert Proposed	-----	Utility Poles	⊕ Existing ⊕ Proposed
Curbing	Existing Proposed	Fire Hydrants	⊙ Existing ⊙ Proposed
Type 1	-----	Existing Water Line	-----
Type 3	-----	Existing San. Sewer	-----
Type 5	-----	Existing San. Sewer Manhole	⊙
Outline of Bodies of Water	-----	Guardrail-Existing	-----
Exposed Bedrock	-----	Guardrail-Proposed	-----
Buildings	-----	Guardrail-Cable, Other	-----
Trees	Conifer Deciduous	Centerline-Existing	-----
Tree Line	-----	Centerline-Proposed	-----
Clearing Limit Line	-----	Travelway-Existing	-----
Railroad	-----	Travelway-Proposed	-----
Boring	HB-XXX-###	Probe	P-#. #X
Pavement Core	● PC-#	#. # = Depth	
Test Pit	TP-XXX-###	X = W (Weathered Rock)	
		R (Refusal)	
		NR (No Refusal)	

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	5-3-22	
CHIEF ENGINEER:	5-3-22	



SIGNATURE	DATE
DAVE WARDWELL	4/13/2022

PROJECT INFORMATION	PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
HIGHWAY PROGRAM	ROGER SOUCY	DAVE WARDWELL					

CARIBOU OTTER BROOK	TITLE SHEET
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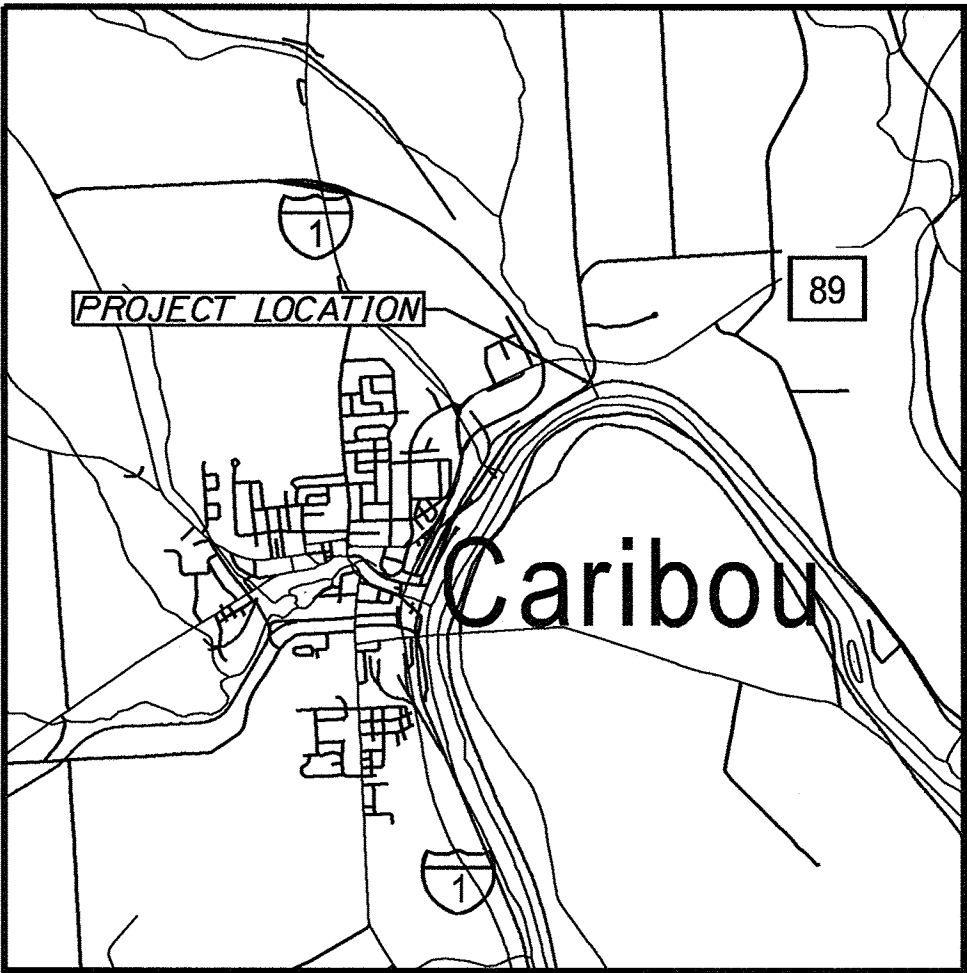
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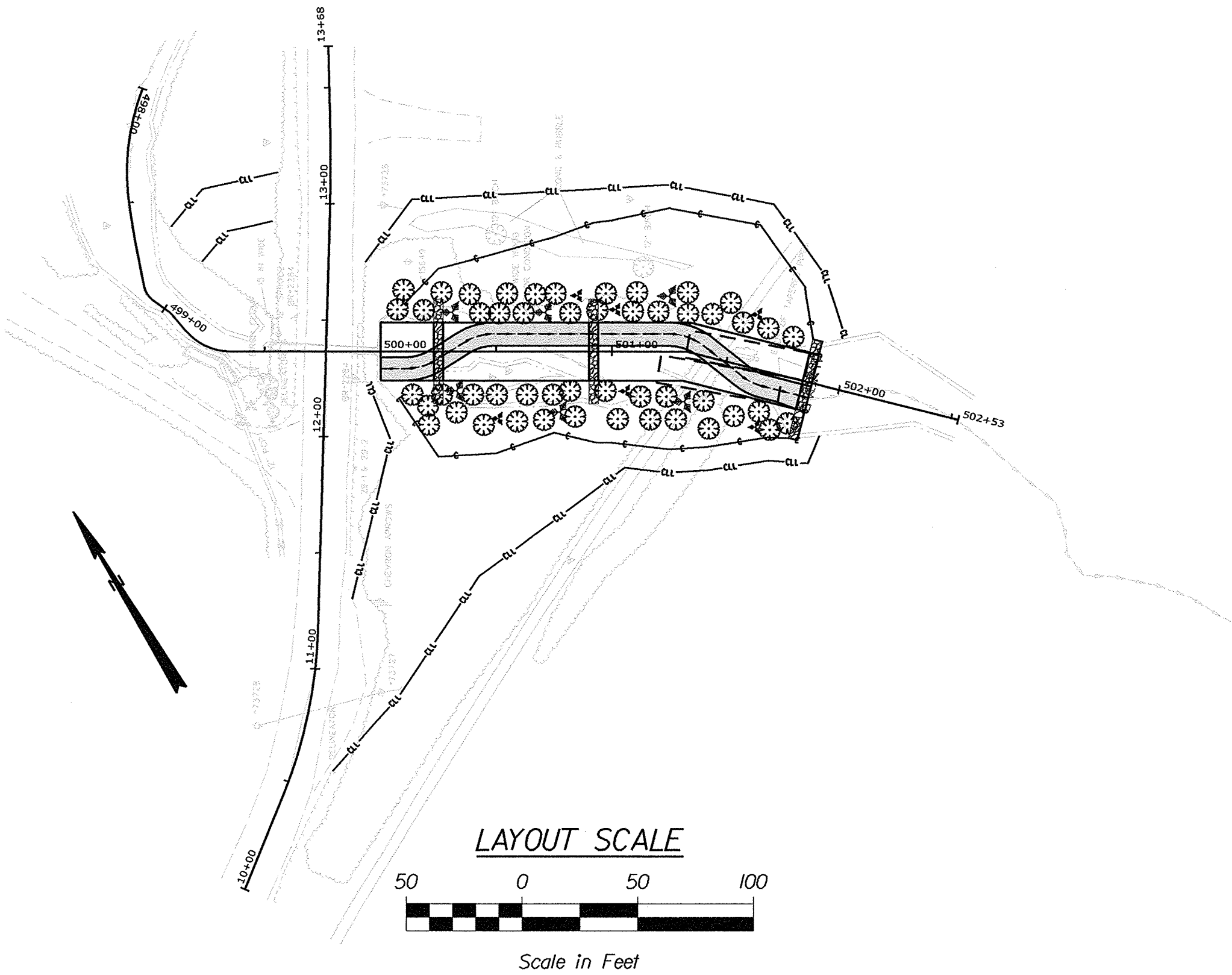
OF 12

WIN 17236.4.4 FEDERAL PROJECT NO. 1723644

PROJECT LOCATION:	IN THE CITY OF CARIBOU, ADJACENT TO LIMESTONE STREET RAILROAD CROSSING #0042 OVER OTTER BROOK
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	NATURAL RESOURCE MITIGATION



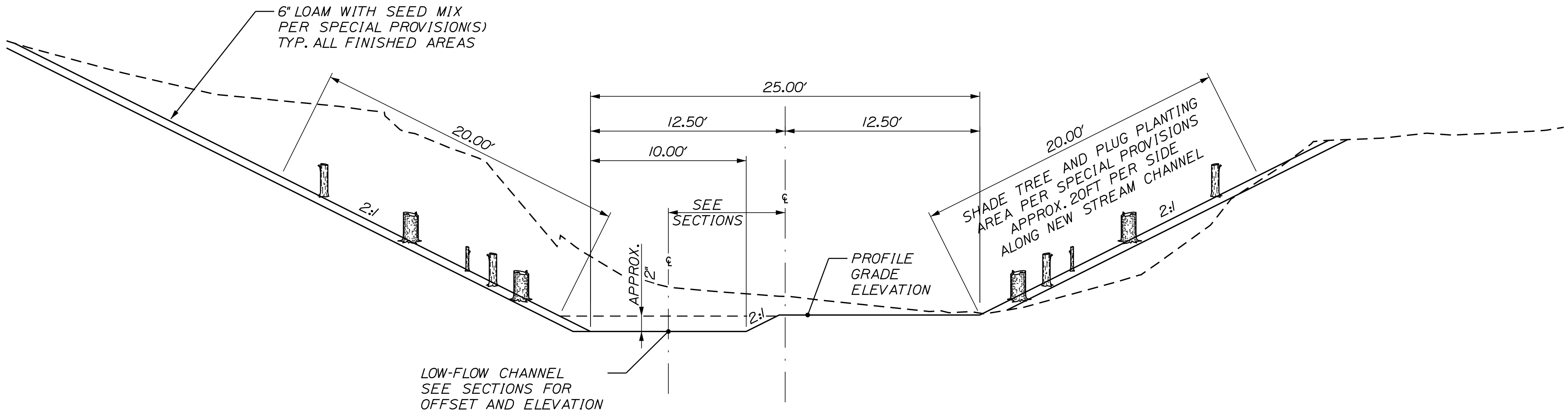
Scale in Miles
LOCATION MAP



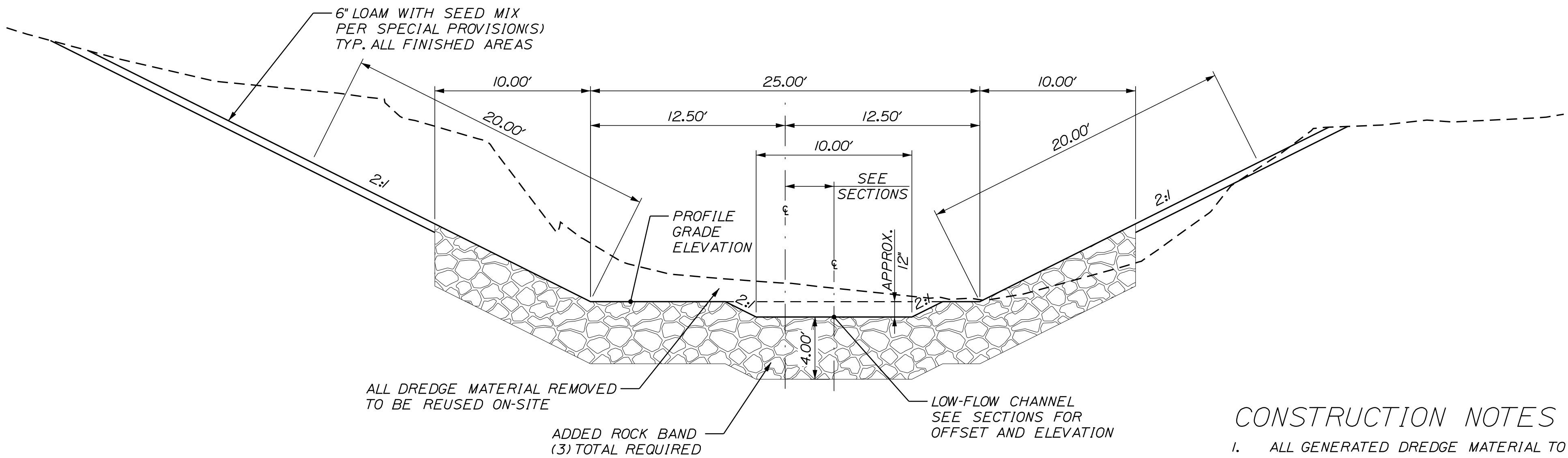
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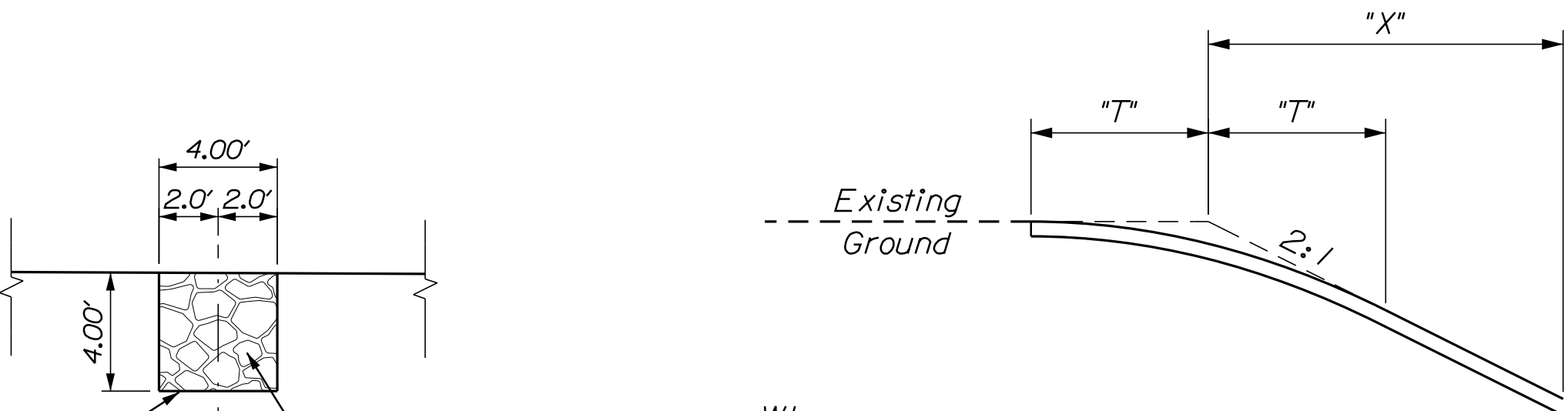
Scale in Feet



TYPICAL SECTION



TYPICAL SECTION AT ROCKBAND



TYPICAL ROCK BAND CROSS SECTION

BACKSLOPE ROUNDING DETAIL

When:
"X" > 5', then "T" = 5'
"X" ≤ 5', then "T" = "X"
This formula may be modified in the field by the Resident to avoid property damage.

CONSTRUCTION NOTES

- ALL GENERATED DREDGE MATERIAL TO BE UTILIZED ONSITE.
- ALL ITEMS REQUIRED FOR REMOVAL OF EXISTING ABANDONED RAILROAD ITEMS TO BE PAID FOR BY HOURLY ITEMS.
- ALL RAILROAD TIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED FACILITY PER THE GENERAL NOTE. PAYMENT WILL BE MADE UNDER ITEM *203.3333 - SPECIAL DISPOSAL PER TON. TRUCK SLIPS ARE REQUIRED.
- CONTRACTOR WILL IMMEDIATELY HALT ALL WORK ASSOCIATED WITH REMOVAL OF RAILROAD ITEMS IF ANY CONTAMINATION IS DETECTED. SEE SPECIAL PROVISION FOR MORE INFORMATION.
- ALL ROCKBANDS WILL BE VOID-FILLED DURING PLACEMENT AND PRIOR TO FINAL ACCEPTANCE. VOID-FILL HEAVY RIPRAP WILL BE PAID AS TRUCK MEASURE UNDER THE FOLLOWING ITEMS WITH TRUCK SLIPS:
 - AGGREGATE BASE COURSE TYPE-C, ITEM 304.16
 - PLAIN RIPRAP, ITEM 610.08
 - HEAVY RIPRAP, ITEM 610.16
- RECONSTRUCTED STREAM CHANNEL AND LOW FLOW CHANNEL TO BE CONSTRUCTED WITH EXTREME CARE. NATIVE MATERIAL TO BE LEFT UNDISTURBED TO MAXIMUM EXTENT POSSIBLE DURING CONSTRUCTION.
- STREAMBED WILL BE STATIC ROLLED AS DIRECTED BY RESIDENT. PAYMENT FOR ROLLING WILL BE MADE UNDER HOURLY ITEM.

ESTIMATED EARTHWORK SUMMARY

- ESTIMATED DREGE MATERIAL - 250 +/- CUYD
- ESTIMATED COMMON EXCAVATION - 2185 +/- CUYD
- ESTIMATED FILL QUANTITY - 155 +/- CUYD

NOT TO SCALE

CARIBOU OTTER BROOK				STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
TYPICAL SECTIONS				PROJ. MANAGER	ROGER SOUCY	BY	DATE
				DESIGN-DETAILED	WARDWELL	WARDWELL	04-2022
				CHECKED-REVIEWED	HELSTROM	SOUCY	04-2022
				DESIGN2-DETAILED2			SIGNATURE
				DESIGN3-DETAILED3			
				P.E. NUMBER			
				REVISIONS 1			
				REVISIONS 2			
				REVISIONS 3			
				REVISIONS 4			
				DATE			
				FIELD CHANGES			
				WIN			
				17236.44			
				HIGHWAY PLANS			

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	0.1	AC
201.23	REMOVING SINGLE TREE TOP ONLY	2	EA
201.24	REMOVING STUMP	2	EA
203.20	COMMON EXCAVATION	2570	CY
203.2333	DISPOSAL OF SPECIAL EXCAVATION	16	T
304.16	AGGREGATE BASE COURSE - TYPE C	20	CY
511.070	COFFERDAM: UPSTREAM	1	LS
511.070	COFFERDAM: DOWNSTREAM	1	LS
610.08	PLAIN RIPRAP	20	CY
610.16	HEAVY RIPRAP	80	CY
615.07	LOAM	440	CY
618.13.319	EROSION CONTROL BLANKET	1970	SY
618.143	SPECIAL SEED MIX	30	UN
618.146	SEEDING HYDROMULCH GROWTH MEDIUM	30	UN
621.019	EVERGREEN TR (2'-3') GP A	6	EA
621.026	EVERGREEN TR (2'-3') GP B	6	EA
621.101	PLUG/STARTER PLANT	360	EA
621.11	SM DECID TR (3'-4') GP A	12	EA
621.112	SM DECID TR (4'-5') GP A	12	EA
621.1121	SM DECID TR (5'-6') GP B	12	EA
621.126	SM DECID TR (6'-8') GP A	12	EA
621.127	SM DECID TR (6'-8') GP B	12	EA
629.05	HAND LABOR, STRAIGHT TIME	50	HR
631.10	AIR COMPRESSOR (INC OPERATOR)	5	HR
631.11	AIR TOOL (INC OPERATOR)	5	HR
631.12	ALL-PURPOSE EXC (INC OPERATOR)	30	HR
631.133	SKID STEER (INC OPERATOR)	16	HR
631.15	ROLLER EARTH BASE CRS (INC OP)	4	HR
631.172	TRUCK-LARGE (INC OPERATOR)	30	HR
631.18	CHAIN SAW RENTAL (INC OPERATOR)	4	HR
652.33	DRUM	10	EA
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	180	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	45	CD
652.38	FLAGGER	400	HR
656.75	TEMP SOIL EROSION & WATER POLLUTION CTRL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL NOTES

- 1

CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
- 2

ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
- 3

CLEARING LIMITS SHALL BE 15 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINE IN FILL AREAS WITHOUT GUARDRAIL AND 10 FEET ELSEWHERE. SELECTIVE CLEARING AND THINNING LIMITS SHALL BE BETWEEN THE CLEARING LIMITS AND THE RIGHT OF WAY LINES, OR AS SHOWN ON THE PLANS. (NOTE: INTERSTATE STANDARD)
- 4

STUMP REMOVAL HAS BEEN ESTIMATED UNDER STANDARD SPECIFICATIONS ITEM 201.24, REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, STANDARD SPECIFICATIONS ITEM 631.20, STUMP CHIPPER RENTAL (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.
- 5

ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
- 6

ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
- 7

EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.
- 8

NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- 9

LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
- 10

THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2, CONTRACTOR PROVIDED SERVICES. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THESE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MAINEDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT. (REHABILITATION ONLY)
- 11

ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 12

AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
- 13

NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
- 14

"UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

CONSTRUCTION NOTES:

- 1

A SAMPLE OF THE LOAM TO BE USED FOR ALL PLANTING AND SEEDING WILL BE APPROVED BY THE RESIDENT PRIOR TO PLACEMENT
- 2

LOAM SHALL BE PLACED IN A LOOSE, EVEN, FRIABLE LAYER OF 6" DEPTH FOR ALL PLANTING & SEEDING AREAS. IT MAY BE LIGHTLY HAND ROLLED OR RACKED PRIOR TO FINAL PLANTING AND SEED PROCESS.
- 3

PLANTING SHALL FOLLOW SECTION 621 LANDSCAPING SPECIFICATION CLASS A PLANTING WITH 25% HUMUS, PEATMOSS, COMPOST AMENDMENTS, APPROPRIATE FERTALIZER, HORTICULTURAL MULCH, AND WATER-IN WITH LIQUID FERTILIZER PER SPECIFICATIONS.
- 4

THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF PROPOSED STREAM CHANNEL ALIGNMENT. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCITON LIMITS.
- 5

STEEL RAILROAD BEAMS WILL REMAIN PROPERTY OF THE STATE OF MAINE. AFTER REMOVAL RAIL BEAMS WILL BE DELIVERED TO CARIBOU MDOT MAINTENCE LOT LOCATED AT 25 CAROL ST.

STATE OF MAINE
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17236.44
HIGHWAY PLANS

CARIBOU
OTTER BROOK

ESTIMATED QUANTITIES, GENERAL NOTES
& CONSTRUCTION NOTES

SHEET NUMBER
3
OF 12

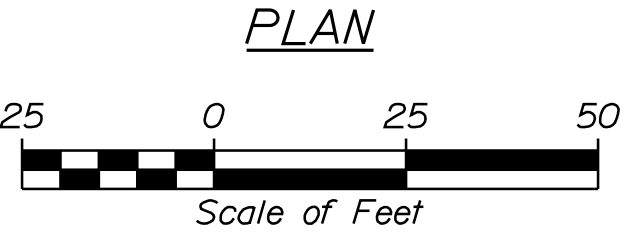
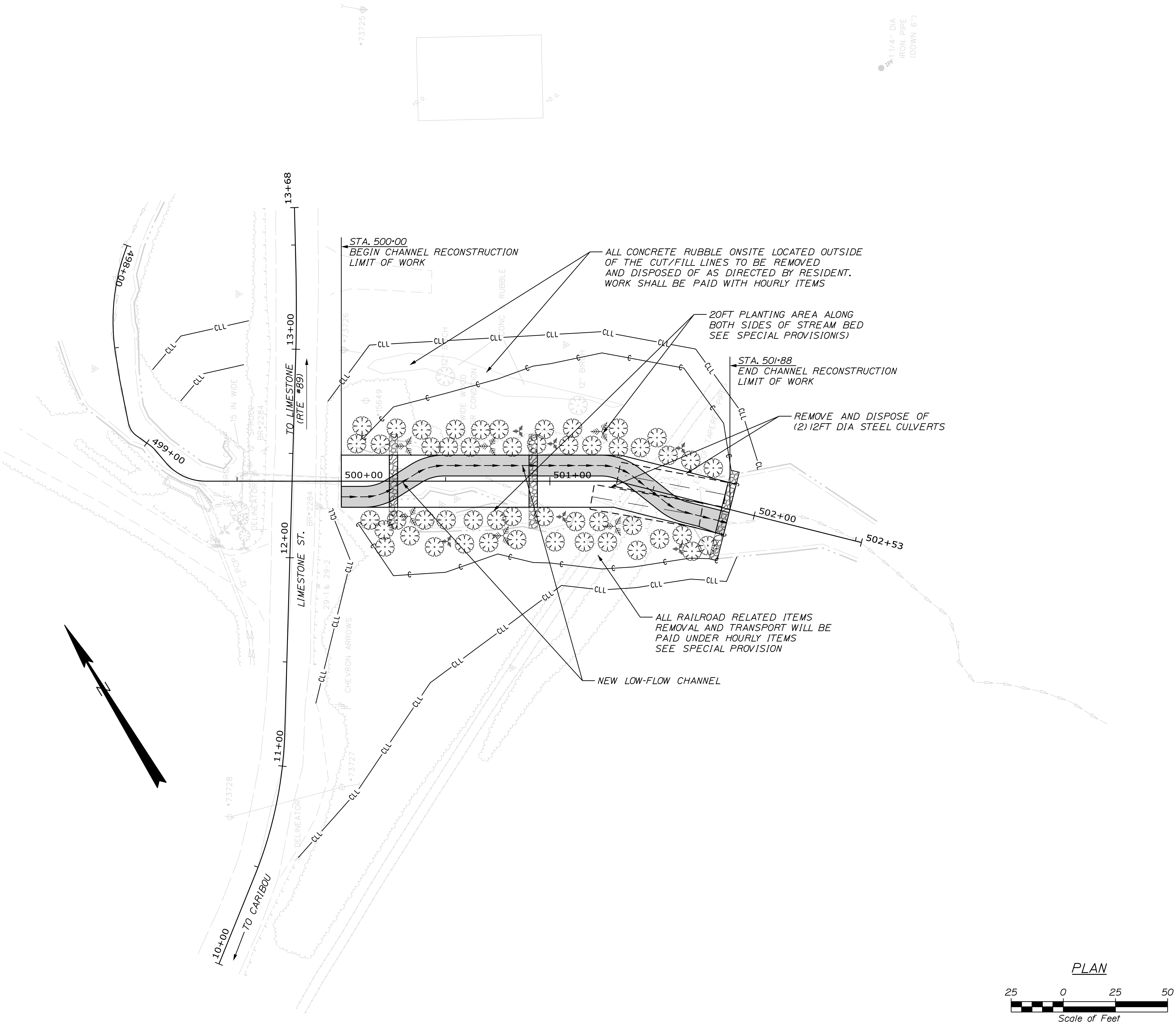
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DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
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REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

ROGER SOUCY
WARDWELL
HELSTROM

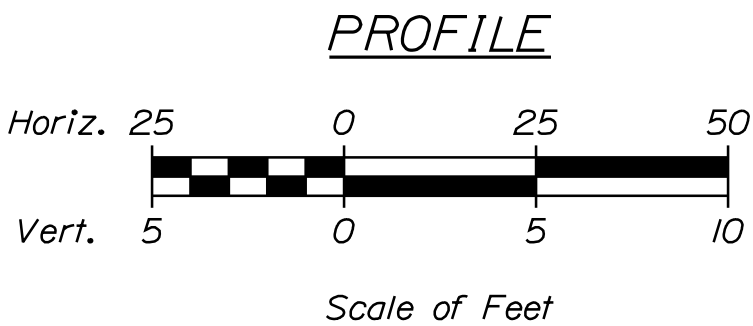
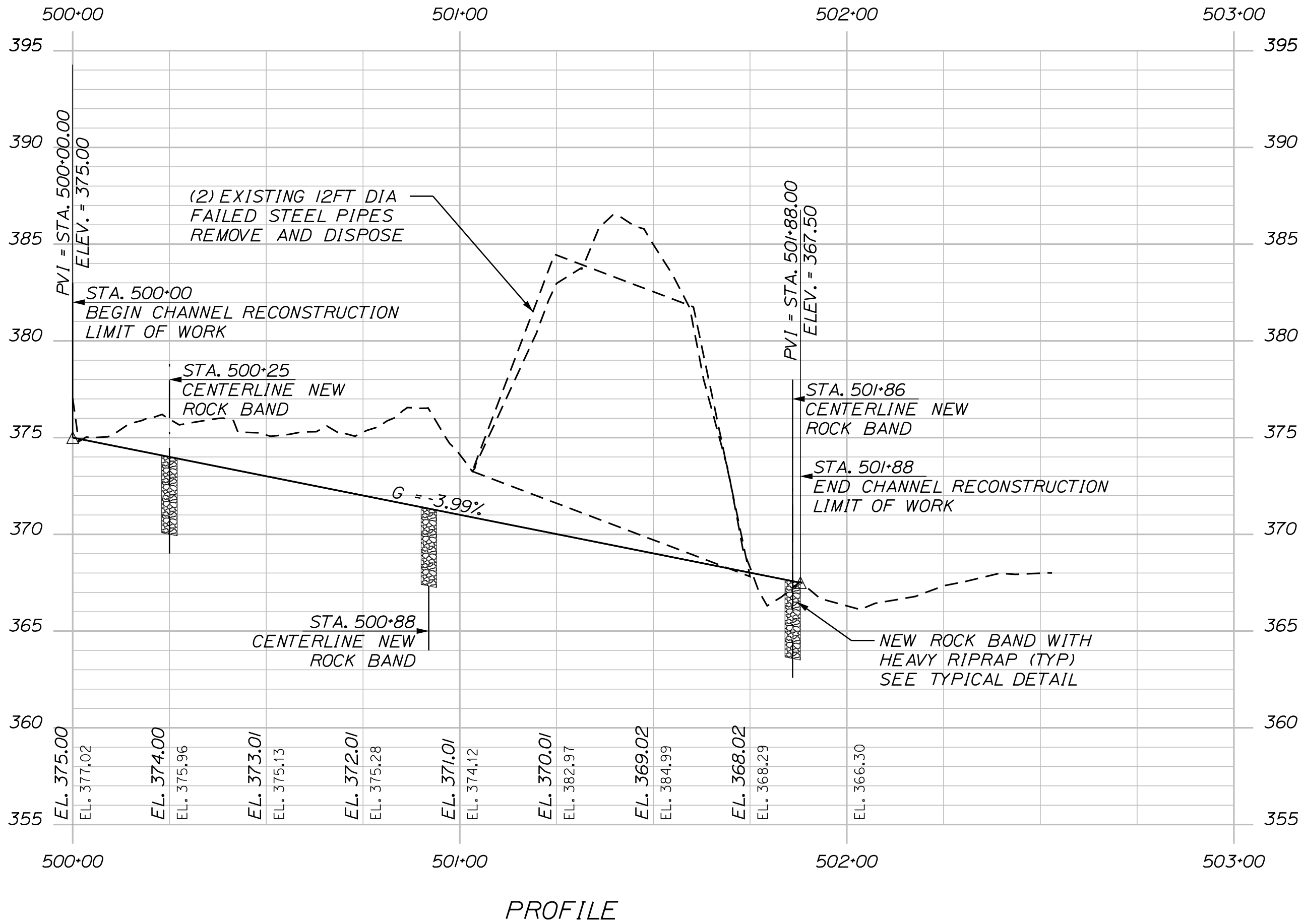
BY
WARDWELL
SOUCY

DATE
04-2022
04-2022

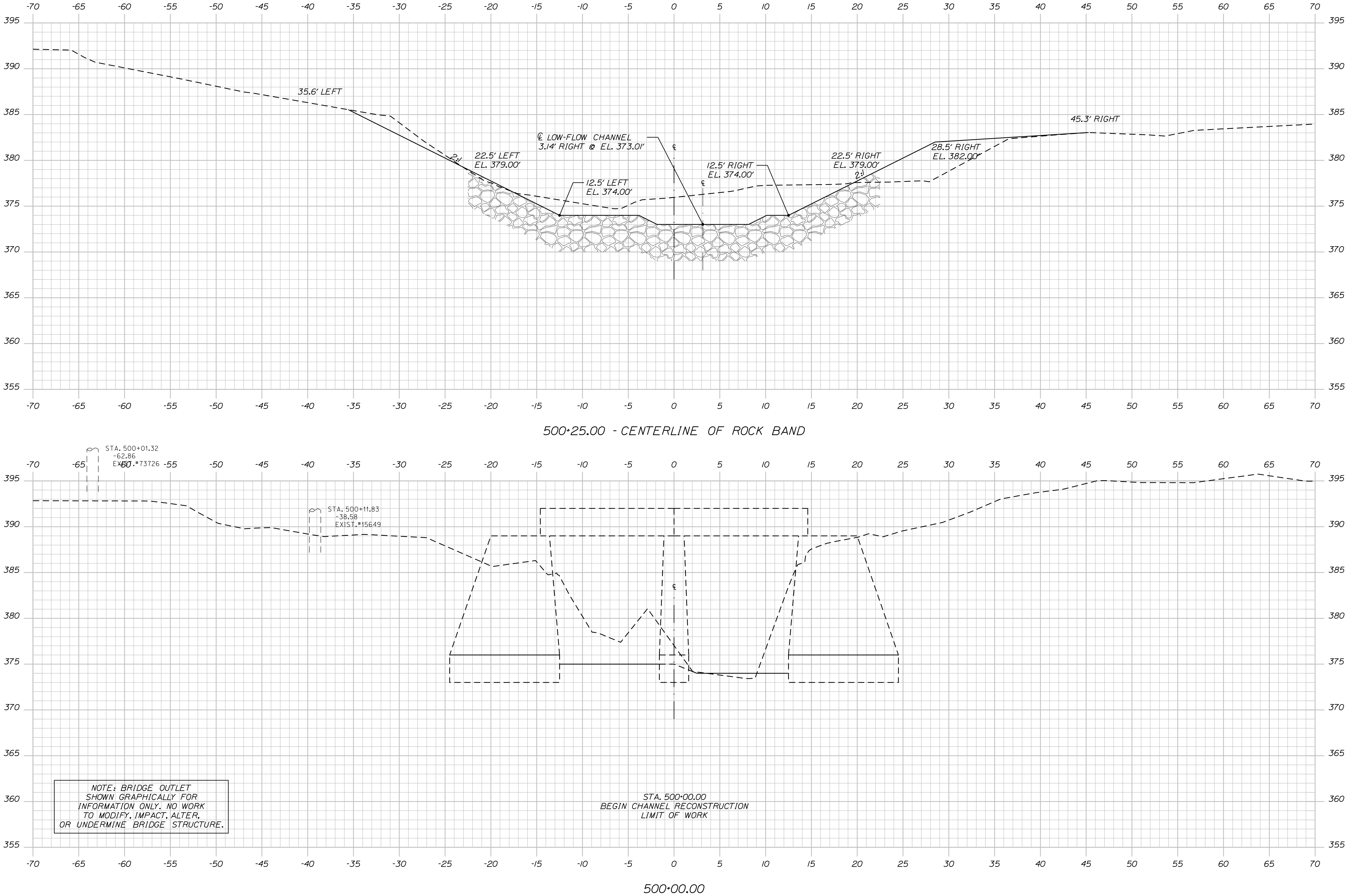
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DATE



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					CHECKED-REVIEWED	HELISTROM	SOUCY	04-2022
					DESIGN2-DETAILED2			
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1723644								
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WIN								
17236.44								
HIGHWAY PLANS								



CARIBOU OTTER BROOK PROFILE	SHEET NUMBER			
	5			
	OF 12			
	PROJ. MANAGER	ROGER SOUCY	BY	DATE
	DESIGN-DETAILED	WARDWELL	WARDWELL	04-2022
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	DESIGN3-DETAILED3			
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HIGHWAY PLANS

PROJ. MANAGER	ROGER SOUCY	BY	WARDWELL	DATE	04-2022
CHECKED	HELI STROM	SIGNED	WARDWELL	SIGNATURE	
DESIGNED	HELI STROM	DESIGNED	WARDWELL	P.E. NUMBER	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			
FIELD CHANGES					

CARIBOU
OTTER BROOK

CROSS SECTIONS

SHEET NUMBER

6

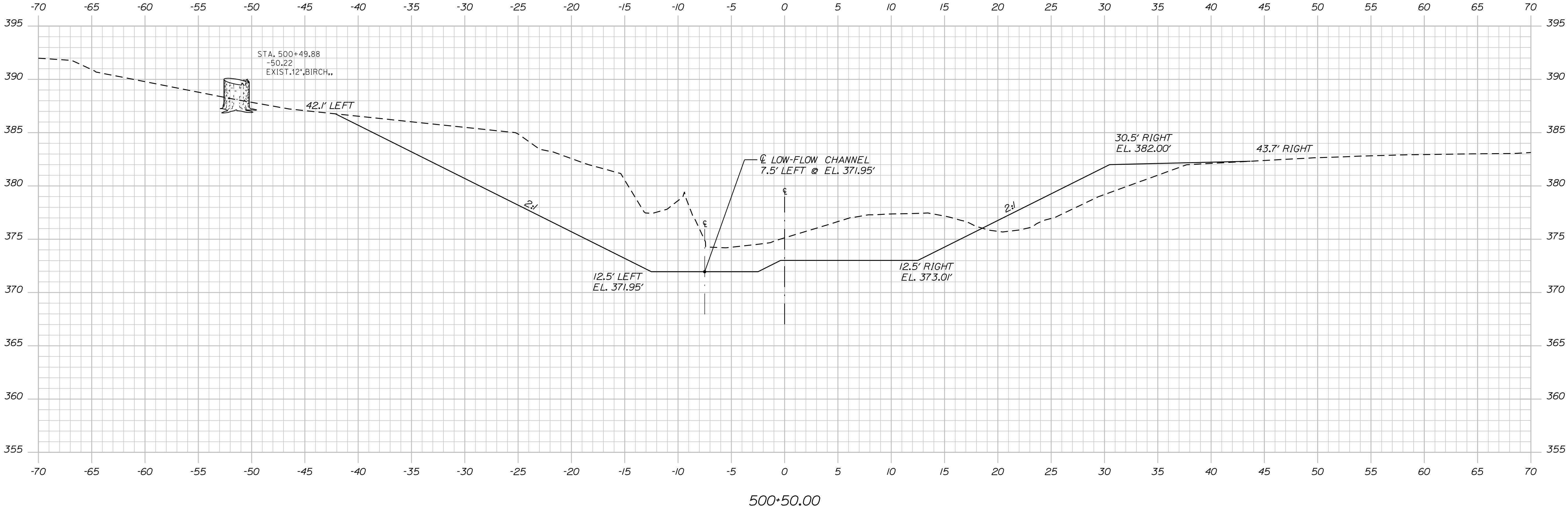
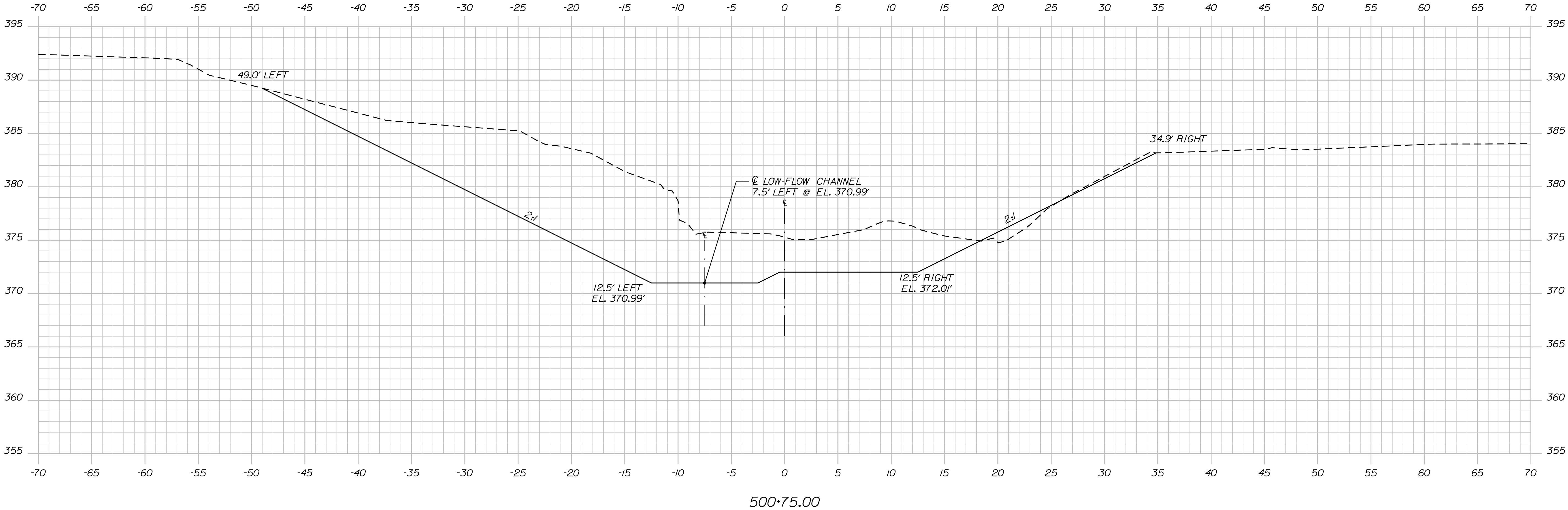
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Sta. 500+00.00 to Sta. 500+25.00

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Date:4/13/2022

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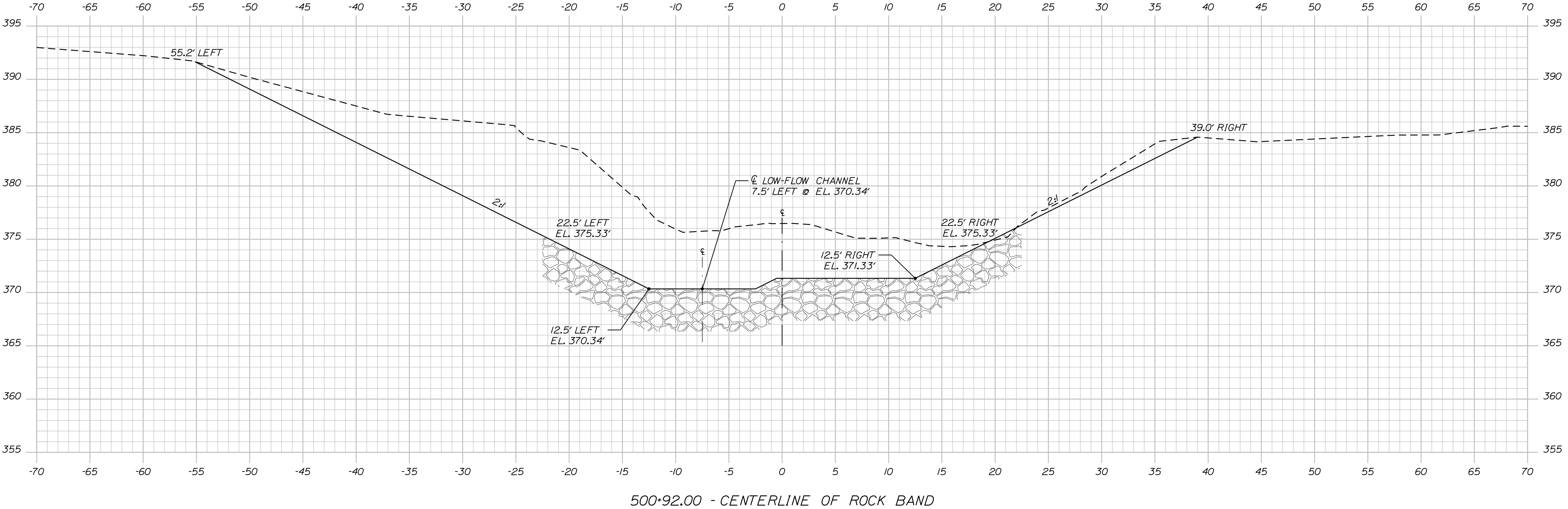
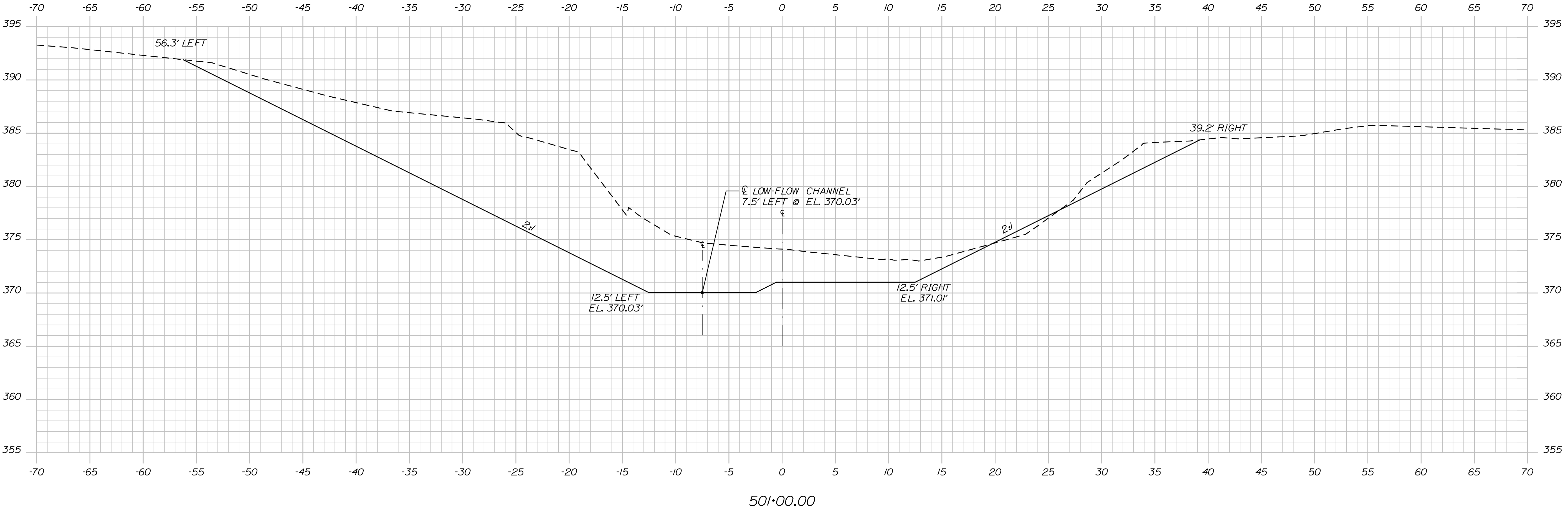


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CARIBOU
OTTER BROOK

CROSS SECTIONS

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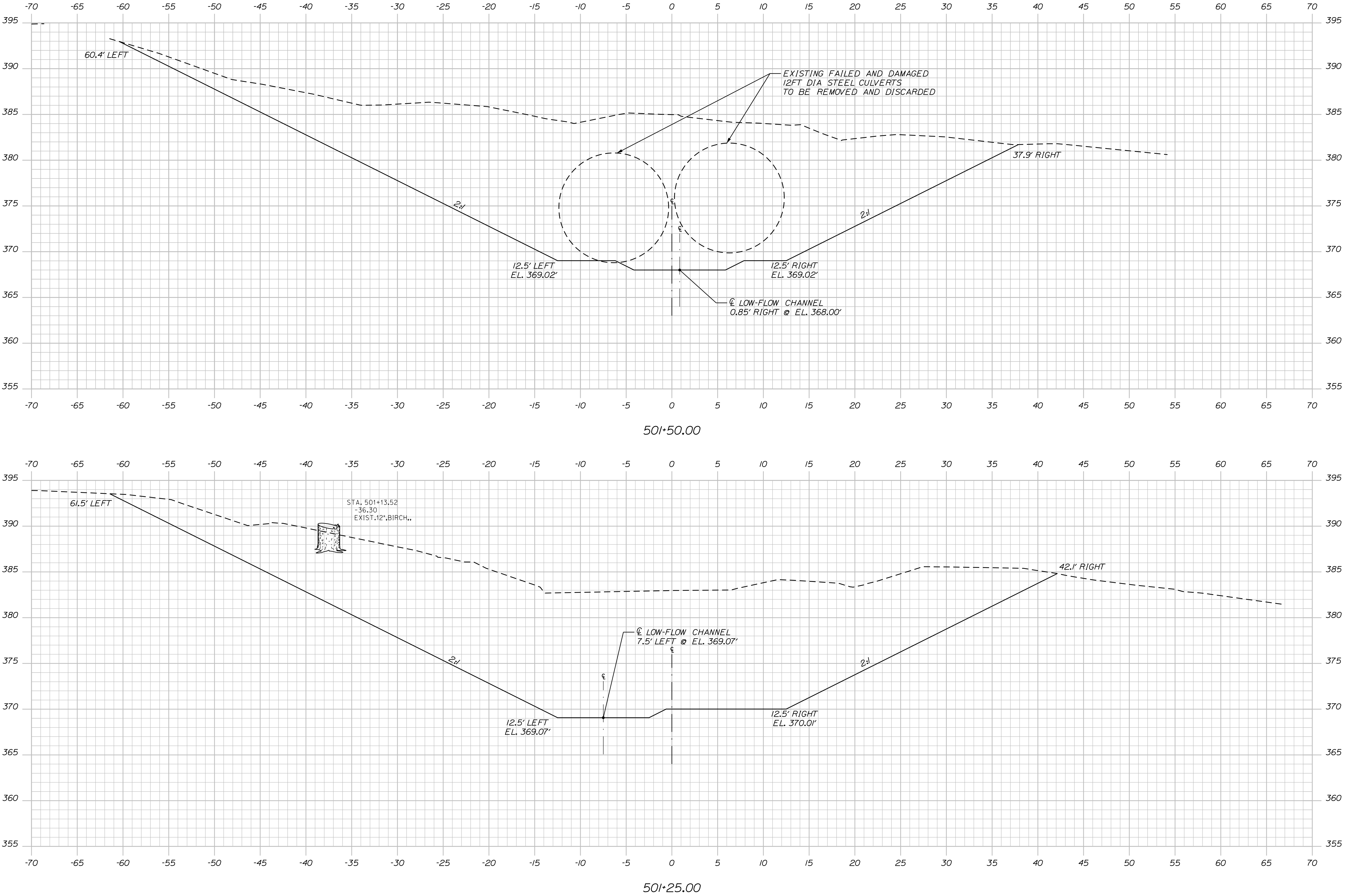
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Division: HIGHWAY

Username: David.Wardwell

Date:4/13/2022



STATE OF MAINE
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HIGHWAY PLANS

PROJ. MANAGER	ROGER SOUCY	BY	WARDWELL	DATE	04-2022
DESIGN-DETAILED	WARDWELL	CHECKED-REVIEWED	HELI STROM	SIGNATURE	
DESIGN-DETAILED		DESIGN-DETAILED		P.E. NUMBER	
REVISIONS 1		REVISIONS 1		DATE	
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FIELD CHANGES					

CARIBOU
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CROSS SECTIONS

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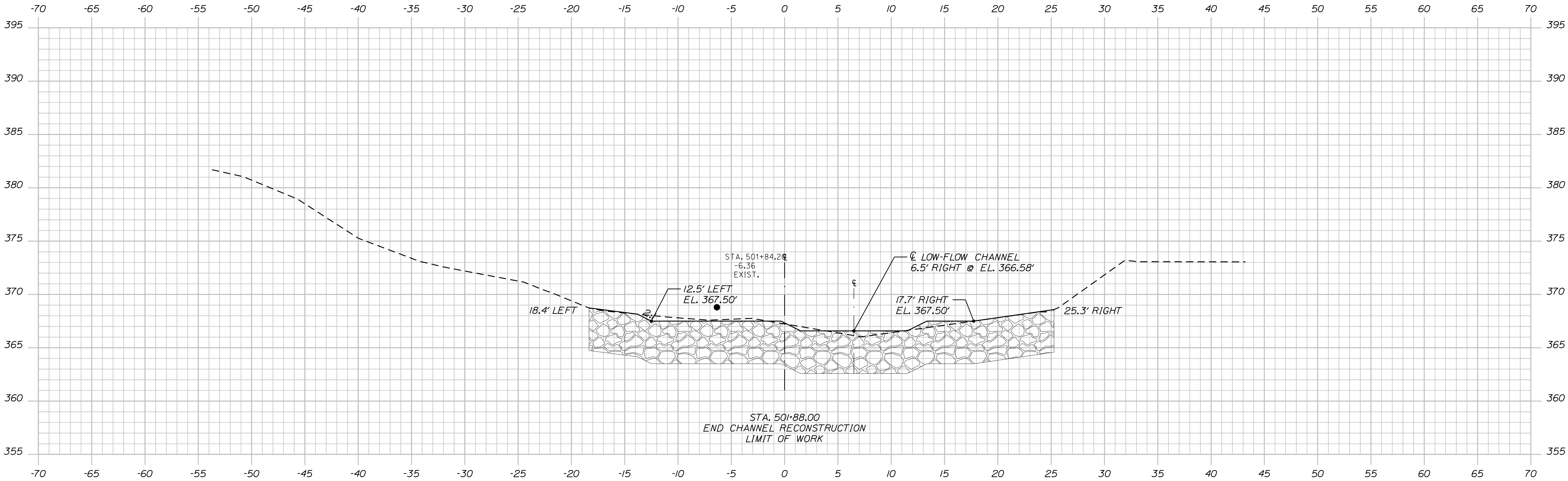
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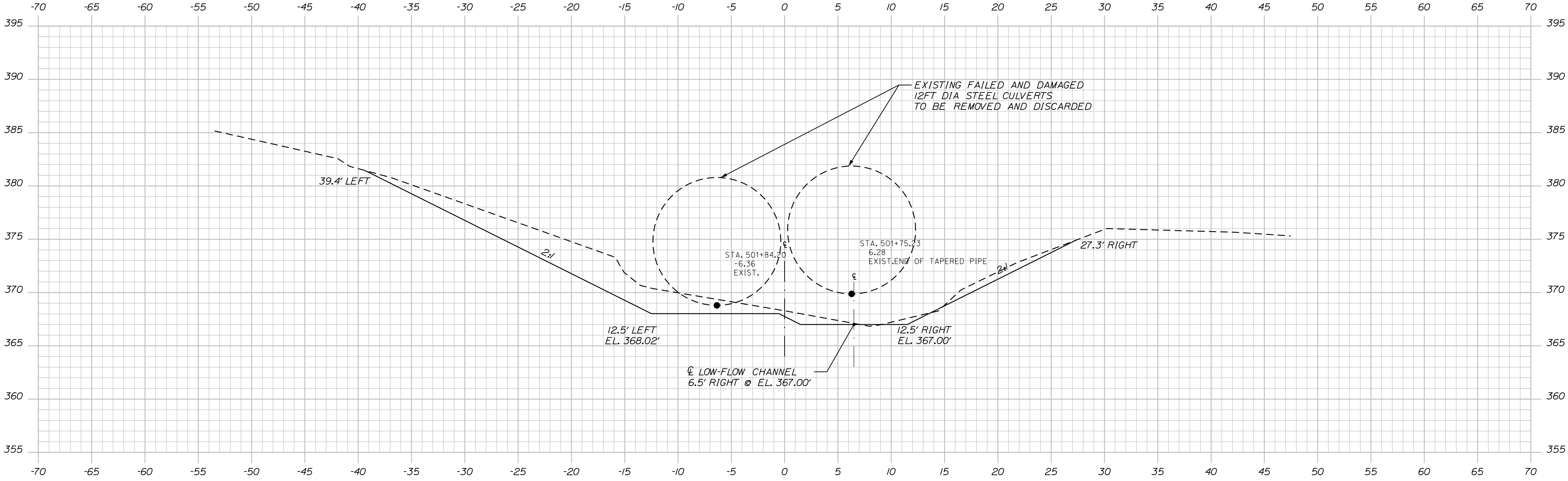
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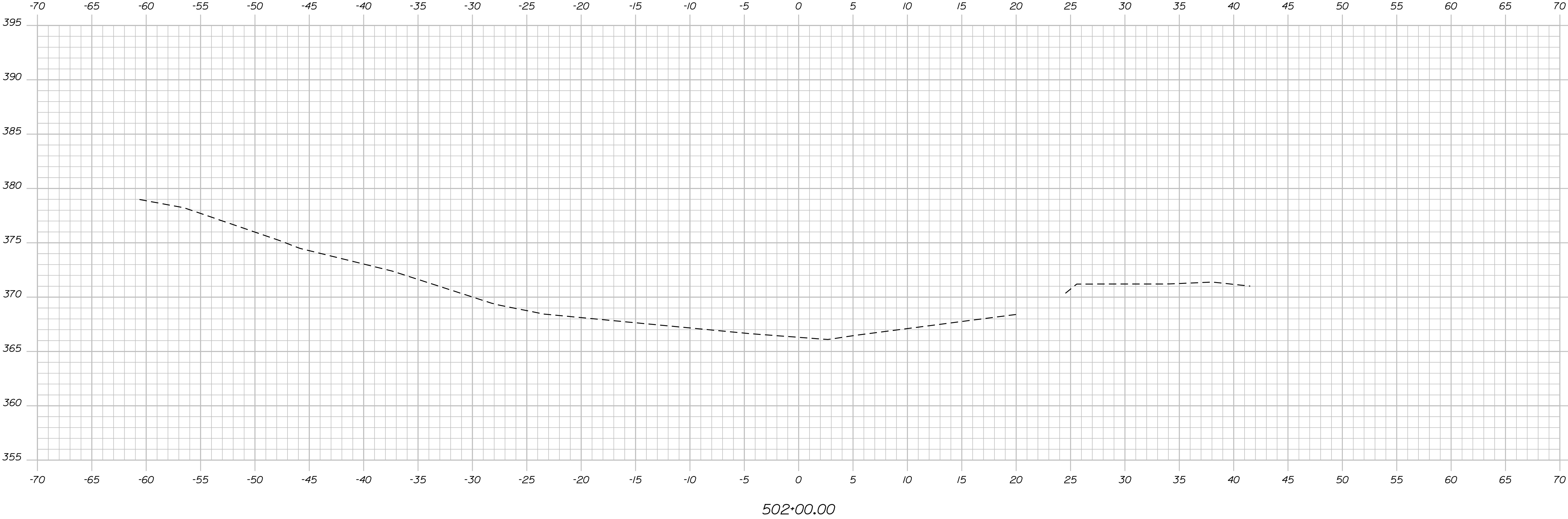


501+86.00 - CENTERLINE OF ROCK BAND



501+75.00

PROJ. MANAGER	ROGER SOUCY	BY	DATE
DESIGN-DETAILED	WARDWELL	WARDWELL	04-2022
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502+00.00

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