COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R1

BOONE CO FISCAL COURT

PLANS OF PROPOSED PROJECT

INDEX OF SHEETS

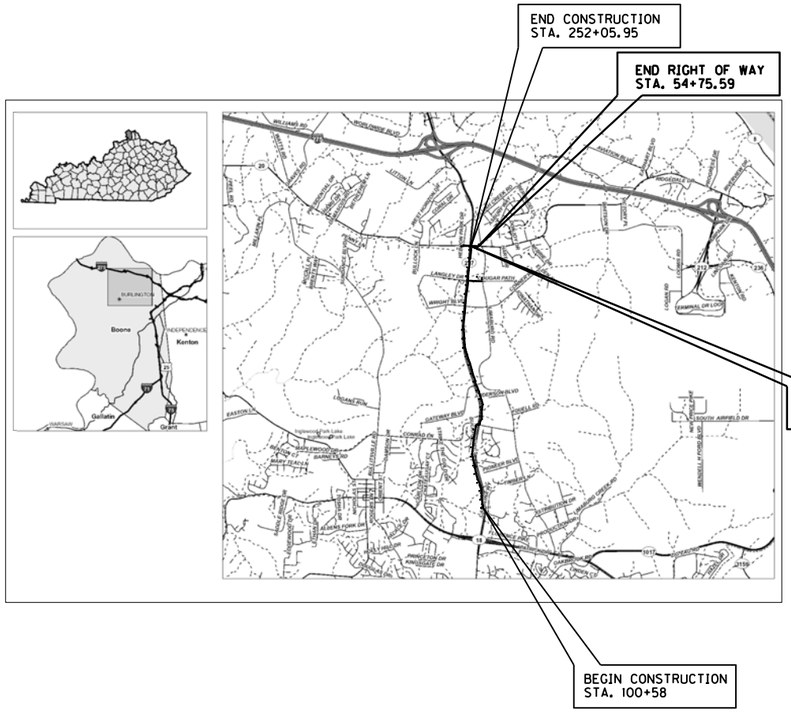
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2	TYPICAL SECTIONS, SUMMARY OF QUANTITIES, GENERAL NOTES
R3-R37	PLAN AND PROFILE SHEETS
R 38	RIGHT OF WAY SUMMARY SHEET
R 39	MAINTENANCE OF TRAFFIC SHEET
R40-R74	EROSION CONTROL SHEETS
R75-R77	COORDINATE CONTROL SHEETS
R78-R92	PIPE SHEETS
T1-T14	TRAFFIC SIGNAL SHEETS
T15-T19	SIGNING DETAIL SHEETS
X1-X189	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

2A, 2B, 2C, 2D

STANDARD DRAWINGS

NUMBER	
BGX-023	RDI-040-01
BGX-024	RDI-041-01
RDB-003-08	RDM-001-07
RDB-007-03	RDM-055
RDB-008-04	RDM-100-03
RDB-105-06	RDM-105-03
RDB-106-05	RDX-210-03
RDB-430-04	RDX-220-05
RDD-040-05	RDX-225-01
RDI-001-10	RDX-230-01
RDI-002-05	RGX-005-06
RDI-020-09	RGX-030-07
RDI-021-01	RDX-040-03
RDI-026-01	RPM-100-10
RDI-035-02	RPM-152-08
	RPM-170-09



LAYOUT MAP

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

GEOGRAPHIC COORDINATES

LATITUDE 39 DEGREES 01 MINUTES 33 SECONDS NORTH
LONGITUDE 84 DEGREES 42 MINUTES 04 SECONDS WEST

DESIGNED

% RESTRICTED SD _____

LEVEL OF SERVICE _____

MAX. DISTANCE W/O PASSING _____

KY 237 MUP	COUGAR PATH SIDEWALK	KY 20 SIDEWALK	
LENGTH 15,148 LIN. FT. 2,869 MILES	LENGTH 780 LIN. FT. 0.148 MILES	LENGTH 889 LIN. FT. 0.168 MILES	LENGTH _____ LIN. FT. _____ MILES
ADDED / DEDUCTED — FOR EQUALITIES _____ LIN. FT.	ADDED / DEDUCTED — FOR EQUALITIES _____ LIN. FT.	ADDED / DEDUCTED — FOR EQUALITIES _____ LIN. FT.	ADDED / DEDUCTED — FOR EQUALITIES _____ LIN. FT.
NOT INCLUDED	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

BOONE COUNTY FISCAL COURT
COUNTY OF
BOONE

ITEM NO. 6-440.00

PROJECT NUMBER: _____

LETTING DATE: _____

RECOMMENDED BY: _____ PROJECT MANAGER DATE:

PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE:

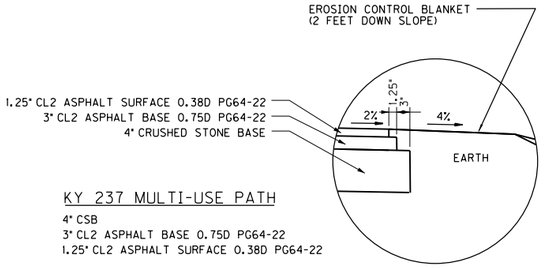
PLANS PREPARED AND SUBMITTED BY:

Palmer ENGINEERING

STATE OF KENTUCKY
STEPHEN D. SEWELL
24030
LICENSED PROFESSIONAL ENGINEER
12-7-2020

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: Josh-c DATE PLOTTED: December 4, 2020 | FILE NAME: C:\PW_WORKDIR\DMS488086\R1_LAYOUT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R2

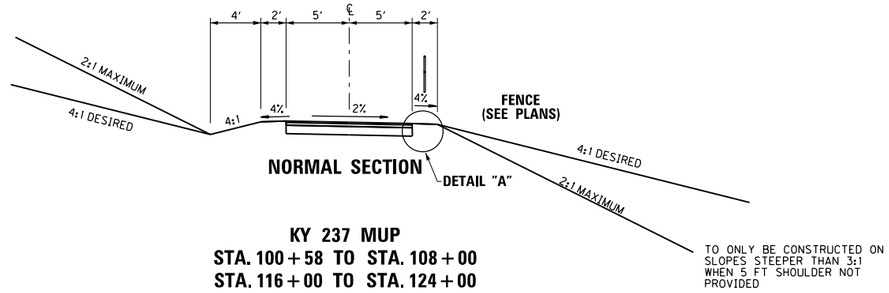


KY 237 MULTI-USE PATH

4" CSB
3" CL2 ASPHALT BASE 0.75D PG64-22
1.25" CL2 ASPHALT SURFACE 0.38D PG64-22

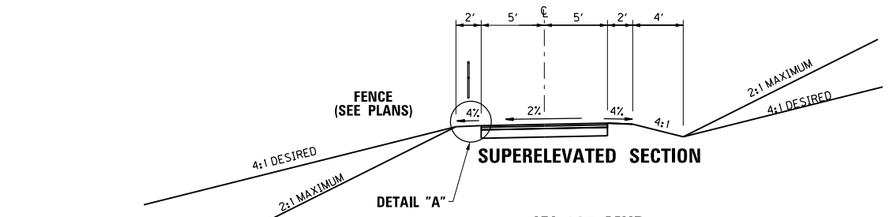
TYPICAL SECTIONS

KY 237 MULTI–USE PATH



TO ONLY BE CONSTRUCTED ON SLOPES STEEPER THAN 3:1 WHEN 5 FT SHOULDER NOT PROVIDED

KY 237 MUP
STA. 100+58 TO STA. 108+00
STA. 116+00 TO STA. 124+00
STA. 149+00 TO STA. 164+00
STA. 206+00 TO STA. 226+50
STA. 233+00 TO STA. 241+00
STA. 250+00 TO STA. 252+03



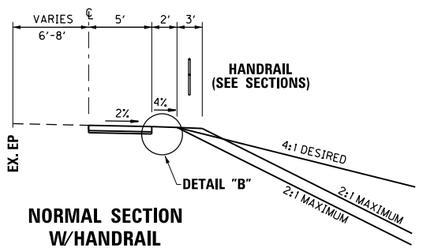
TO ONLY BE CONSTRUCTED ON SLOPES STEEPER THAN 3:1 WHEN 5 FT SHOULDER NOT PROVIDED

KY 237 MUP
STA. 108+00 TO STA. 116+00
STA. 124+00 TO STA. 149+00
STA. 164+00 TO STA. 206+00
STA. 226+50 TO STA. 233+00
STA. 241+00 TO STA. 250+00

NEW CONSTRUCTION ENTRANCE PAVEMENT

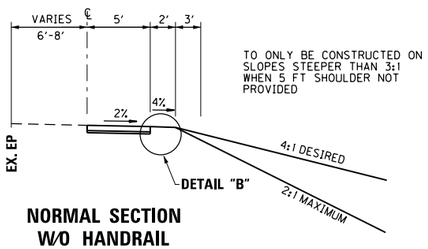
1.25" CL2 ASPHALT SURFACE 0.38D PG64-22
3" CL2 ASPHALT BASE 1.00D PG64-22
4" CRUSHED STONE BASE

SIDEWALKS



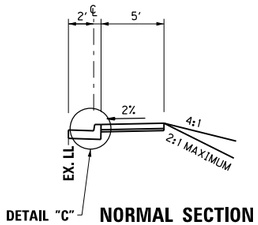
NORMAL SECTION W/HANDRAIL

COUGAR PATH SIDEWALK
STA. 10+00 TO STA. 17+80



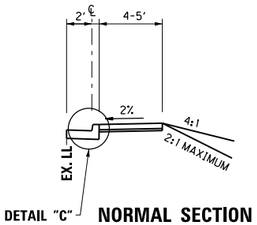
NORMAL SECTION W/O HANDRAIL

COUGAR PATH SIDEWALK
STA. 10+00 TO STA. 17+80



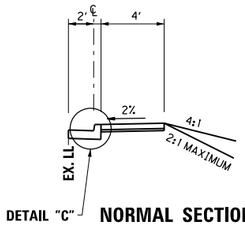
NORMAL SECTION

KY 20 SIDEWALK
STA. 15+38 TO STA. 22+00



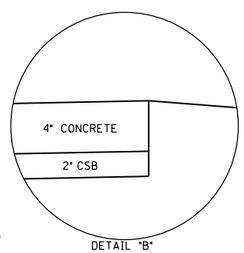
NORMAL SECTION

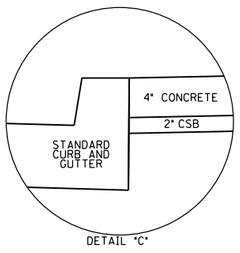
KY 20 SIDEWALK
STA. 22+00 TO STA. 22+50



NORMAL SECTION

KY 20 SIDEWALK
STA. 22+50 TO STA. 24+27





SCALE: NTS

TYPICAL SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: anthony-d DATE PLOTTED: August 18, 2019 | FILE NAME: C:\PW_WORKDIR\DMS488817\R2_TYPICALS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R2A

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	KY 237 MUP	COUGAR SIDE-WALK	KY 20 SIDE-WALK	TOTAL PROJECT
1010	NON-PERFORATED PIPE-4IN	LF	277			277
1310	REMOVE PIPE	EACH	140			140
1584	CAP DROP BOX INLET	EACH	1			1
1718	REMOVE INLET	EACH	3			3
1740	CORED HOLE DRAINAGE BOX CON-4IN	EACH	2			2
1811	STANDARD CURB AND GUTTER MOD	LF		82	649	731
2159	TEMPORARY DITCH	LF	7,602			7,602
2160	CLEAN TEMPORARY DITCH	LF	3,801			3,801
2203	STRUCTURAL EXCAVATION - UNCLASSIFIED	CUYD	40			40
2230	EMBANKMENT IN PLACE	CUYD	29,182			29,182
2545	CLEARING AND GRUBBING	LS	1			1
2555	CONCRETE CLASS B	CUYD	104			104
2562	TEMPORARY SIGNS	SQFT	345			345
2568	MOBILIZATION	LS	1			1
2569	DEMOBILIZATION	LS	1			1
2600	FABRIC GEOTEXTILE TY IV FOR PIPE	SQYD	5,042		266	5,309
2611	HANDRAIL- TYPE A-1	LF	650			650
2650	MAINTAIN AND CONTROL TRAFFIC	LS	1			1
2676	MOBILIZATION FOR MILL & TEXT	LS	1			1
2701	TEMPORARY SILT FENCE	LF	7,602			7,602
2703	SILT TRAP TY A	EACH	30			30
2704	SILT TRAP TY B	EACH	30			30
2705	SILT TRAP TY C	EACH	30			30
2706	CLEAN SILT TRAP TY A	EACH	30			30
2707	CLEAN SILT TRAP TY B	EACH	30			30
2708	CLEAN SILT TRAP TY C	EACH	30			30
2720	SIDEWALK-4 IN CONCRETE (2)	SQYD	172	484	434	1,090
2726	STAKING	LS	1			1
5950	EROSION CONTROL BLANKET	SQYD	5,817			5,817
5952	TEMPORARY MULCH	SQYD	95,279			95,279
5953	TEMP SEEDING AND PROTECTION	SQYD	71,459			71,459
5963	INITIAL FERTILIZER	TON	4			4
5964	20-10-10 FERTILIZER	TON	6			6
5985	SEEDING AND PROTECTION	SQYD	120,084			120,084
5992	AGRICULTURAL LIMESTONE	TON	74			74
6406	SBM ALUM SHEET SIGNS .080 IN	SQFT	205.75	9		214.75
6410	STEEL POST TYPE 1	LF	417.5	27	28	472.5
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	1,994	364	192	2,550
6568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	120	13		133
6598	PAVEMENT MARKING REMOVAL	SQFT	231			231
22664EN	WATER BLASTING EXISTING STRIPE	LF	394			394
14018	W FIRE HYDRANT ADJUST	EACH	2			2
14113	W VALVE BOX ADJUST	EACH	5			5
15094	S MANHOLE ADJUST TO GRADE	EACH	5			5
270758ED	REMOVE AND RESET PERF PIPE HEADWALL	EACH	10			10
20418ED	REMOVE & RELOCATE SIGNS	EACH	0	1	2	3
23143ED	KPDES PERMIT & TEMP EROSION CONTROL	LS	1			1
23158ES505	DETECTABLE WARNINGS	SQFT	540	98	86	724
23274EN11F	TURF REINFORCEMENT MAT 1	SQYD	11,868			11,868
24631EC	BARCODE SIGN INVENTORY	EACH	73	2	4	79
4780	FUSED CONNECTOR KIT	EACH	39			39
4792	CONDUIT 1 INCH RIGID STEEL	LF	10			10
4811	ELECTRICAL JUNCTION BOX TYPE B	EACH	2			2
4820	TRENCHING AND BACKFILLING	LF	875			875
4830	LOOP WIRE	LF	555			555
4844	CABLE-NO 14/5C	LF	3,450			3,450
4850	CABLE-NO 14/1 PAIR	LF	10,040			10,040
4885	MESSENGER WIRE - 10,800 LB	LF	175			175
4895	LOOP SAW SLOT AND FILL	LF	230			230
4942	REMOVE & INSTALL POLE	EACH	1			1
20093NS835	INSTALL PEDESTRIAN HEAD LED	EACH	14			14
21743NN	INSTALL PEDESTRIAN DETECTOR	EACH	16			16
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD	4.06			4.06
23222EC	INSTALL SIGNAL PEDESTAL	EACH	11			11
24900EC	PVC CONDUIT - 1 1/4" - SCHEDULE 80 PVC	LF	520			520
24901EC	PVC CONDUIT - 2" - SCHEDULE 80 PVC	LF	345			345
24955ED	REMOVE SIGNAL EQUIPMENT	EACH	2			2

PAVING AREAS

ITEM	KY 237 MUP	COUGAR SIDEWALK	KY 20 SIDEWALK
	SQ. YD.		
1.25" CL 2 ASPH SURF 0.38D PG64-22	15,592		25
3.00" CL 2 ASPH BASE 1.00D PG64-22	15,904		25
2.00" CRUSHED STONE BASE	164	448	423
4.00" CRUSHED STONE BASE	16,699		46
ASPHALT PAVE MILLING & TEXTURING	100		
CEM CONC ENT PAVEMENT-8 IN			21

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	KY 237 MUP	COUGAR SIDEWALK	KY 20 SIDEWALK	TOTAL PROJECT
003	CRUSHED STONE BASE (1)	TON	3,859	52	59	3,970
212	CL 2 ASPH BASE 1.00D PG64-22	TON	2,624		4	2,628
301	CL 2 ASPH SURF 0.38D PG64-22	TON	1,072		2	1,074
2101	CEM CONC ENT PAVEMENT-8 IN	SQYD			21	21
2677	ASPHALT PAVE MILLING & TEXTURING	TON	8			8

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERSWISE.

(1) ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.

(2) INCLUDES QUANTITY FOR CONCRETE APRONS

EARTHWORK QUANTITIES

EXCAVATION INCLUDES:
13,405 CU YDS COMMON

EMBANKMENT INCLUDES:
29,182 CU YDS EMBANKMENT

NOTE:

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTORS RESPONSIBILITY.

GENERAL & PAVING SUMMARY SHEET

FILE NAME: C:\PW_WORKDIR\DMS48816\GENERAL AND PAVING SUMMARY.DGN
USER: josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R2B

SHEET NO.		SKEW	COVER HEIGHT (FT)	DESIGN PH LEVEL	CULVERT PIPE - 15"	CULVERT PIPE - 18"	CULVERT PIPE - 24"	CULVERT PIPE - 30"	CULVERT PIPE - 42"	CULVERT PIPE - 48"	CULVERT PIPE - 54"	CULVERT PIPE - 60"	STORM SEWER PIPE - 12"	STORM SEWER PIPE - 15"	STORM SEWER PIPE - 18"	STORM SEWER PIPE - 24"	STORM SEWER PIPE - 30"	STORM SEWER PIPE - 48"	S&F PIPE CULVERT HEADWALL - 15"	S&F PIPE CULVERT HEADWALL - 18"	PIPE CULVERT HEADWALL - 30"	PIPE CULVERT HEADWALL - 42"	PIPE CULVERT HEADWALL - 48"	PIPE CULVERT HEADWALL - 54"	PIPE CULVER HEADWALL - 60"	SLOPED BOX OUTLET TYPE 1 - 15"	SLOPED BOX OUTLET TYPE 1 - 18"	SLOPED BOX OUTLET TYPE 1 - 24"	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 5	DBI TYPE 7	DBI TYPE 11	JUNCTION BOX	ADJUST INLET	REMARKS
ITEM CODE					461	462	464	466	469	470	471	472	520	521	522	524	526	530	1202	1204	1210	1214	1216	1219	1220	1432	1433	1434	1456	1490	1496	1514	1538	1544	1642	1719	
UNIT TO BID					LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
	KY 237 MUP																																				
R4	108+50	0°	4	M		40														1										1							
	109+87.3	3°47'09" LT	10	M								17													1												
R5	111+91.1	0°	2	M	10																					1											
	112+73	0°	2	M																																1	
	114+00	0°	2	M										127																				1			
R9	130+50	0°	8	M	52														1															1			
	131+62.8	39°47' LT	24	M						24													1														
	133+29.9	6°56'55" LT	6	M	43														1																		
R13	152+90	49° RT	5	M	70														2																		
	154+70	45° LT	6	M	77														2																		
	155+41	1°52'57" LT	14	M					22													1															
R17	172+83.8	57°02'08" LT	4	M												56												1			1						
	174+00	0°		M												295																		1			
R18	177+00	0°		M													155	155												1							
	178+62	14°45'36" LT	7	M						4								46					1										1				
R21	193+06	21°38'38" RT	6	M					25													1															
R22	196+78	56°27'55" RT	2	M	17		52																					1		1							
R23	205+00	0°	3.6	M	22														1														1				OMIT APRON
R29	231+70	56°08'16" LT	4	M		85														2																	
	232+24	9°41'19" RT	4	M				16																						2							DOUBLE DBI
	234+57	50°03'50" LT	6	M							26													1							1						
R31	243+29	26°49'01" LT	1	M											50											1									1		
	243+35	0°	1	M									14	12																				1			
	244+63	30°31'33" RT	1	M											61											1											
R33	250+60	45° LT	2	M								32														2											
	KY 20																																				
R36	20+44.1	18° LT	5	M				25													1																
R36	21+10	0°	4	M										23					1										1								
R37	21+50	0°	2	M										38															1								
TOTALS					291	125	52	41	47	28	26	49	14	200	111	351	155	201	8	3	1	2	2	1	1	1	4	2	2	4	2	1	1	4	1	1	

KY 237 MUP

PIPE SUMMARY SHEET

FILE NAME: C:\PW_WORKDIR\S
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397
WORKDIR\STEPHEN SEWELL\DMS48816\DRAINAGE SUMMARY.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R2C

GENERAL NOTES

BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERDGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NOT MORE THAN TEN (10) BUSINESS DAYS PRIORTO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

BEFORE YOU DIG - KYTC SIGNAL CONDUITS

THE CONTRACTOR IS INSTRUCTED TO CALL KYTC DISTRICT 6 TRAFFIC TO MARK UNDERGROUND SIGNAL CONDUITS.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENT BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY AT (502) 564-4610

SPECIAL NOTES

SPECIAL NOTE 11F FOR TURF REINFORCING MAT

SPECIAL NOTE FOR BARCODES ON PERMANENT SIGNS 2019

TRAFFIC SIGNALS

NOTIFY KYTC D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.

448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXUTRES FURNISHED ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS

MULTI-USE PATH (MUP) SIGNING - MUTCD

MUP SIGNING SHALL BE INSTALLED PER MUTCD, CURRENT EDITION. REFER TO FIGURE 9B-1 FOR SIGN PLACEMENT ON SHARED-USE PATHS.

UTILITIES

Duke Energy
Boone County Water District
Windstream Communicaitons
Cincinnati Bell Telephone
Sanitation District 1
CenturyLink
Spectrum
Zayo Group
Verizon/MCI

MAINTENANCE OF TRAFFIC

GENERAL NOTES

Traffic shall be maintained in accordance with the current editions of the Manual of Uniform Traffic Control Devices, the Standard Specifications for Road and Bridge Construction, and the Kentucky Department of Highways Standard Drawings.

Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the contractor, unless otherwise addressed, when no longer needed.

The contractor shall completely cover any signs, either existing, permanent, or temporary which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or removed. Existing speed limit signs should be covered in the areas of reduced speed.

In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite to the flow of traffic.

The Engineer and the contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closure, crossover, or detour. All signing shall be approved by the Engineer before work can be started by the contractor.

If the contractor desires to deviate from the traffic control scheme and construction schedule outlined in these plans and this proposal, an alternate plan shall be prepared and presented in writing to the Engineer. This alternate plan can be used only after review and approval by the Engineer.

LANE CLOSURES AND TRAFFIC STOPPAGE

Contractor shall submit any lane closures to Engineer for approval. Lane closures on KY 237 will be allowed between 9:00 AM and 3:00 PM with considerations to school traffic. Traffic stoppage shall not be allowed on KY 237. Traffic stoppage shall be between 9:00 AM and 3:00 PM on KY 20 and traffic shall be flagged. Approved lane-closures and traffic stoppage must be coordinated with Boone County Public Works and Kentucky Transportation Cabinet.

LANE WIDTHS

Lane width restrictions are not allowed on KY 237.

Lane width restrictions on the side streets shall be submitted to the Engineer for approval. On the side streets, the contractor shall maintain a two-lane traveled way with a minimum lane width of 10' during construction. However, during working hours, a one-lane traveled way with a minimum lane width of 12' may be allowed at the discretion of the engineer, provided adequate traffic control is in place at the location.

ACCESS TO PROPERTIES

Access to all businesses shall be maintained at all times. Reasonable means of ingress and egress shall be maintained to all properties within the project limits. Access to fire hydrants must also be maintained at all times.

PAVEMENT EDGE DROP-OFFS

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 1/2 INCHES. THIS MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER:

4 INCHES AND LESS - PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES SHALL BE PLACED EVERY 40 FEET. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, VERTICAL PANELS, AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

GREATER THAN 4 INCHES - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 8 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS 4 INCHES AND GREATER MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES FOR SHORT DISTANCES WHILE WORK IS BEING DONE IN THE DROP-OFF AREA IF THERE IS 8 FEET OR MORE OF SEPARATION BETWEEN DROP OFF AND TRAVELED WAY.

LESSER TREATMENT THAN THOSE DESCRIBED ABOVE MAY BE CONSIDER FOR LOW-VOLUME LOCAL STREETS

PEDESTRIAN/ BICYCLE FACILITIES

THE CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING PEDESTRIAN/ BICYCLE CROSSINGS AND FACILITIES THROUGHOUT CONSTRUCTION TO INCLUDE CROSSWALKS ACROSS KY 237 AND ALL SIDE STREETS WITHIN THE PROJECT.

ALL MAINTENANCE OF TRAFFIC ITEMS ASSOCIATED WITH PEDESTRIAN/ BICYCLE FACILITIES SHALL BE INCIDENTAL TO THE MAINTENANCE OF TRAFFIC BID ITEM.

ALL TEMPORARY AND PERMENANT MODIFICATIONS TO SIGNALS INFRASTRUCTURE AND COMPONENTS AT CROSSINGS WITHIN THE PROJECT ARE INCIDENTAL TO THE MAINTENANCE OF TRAFFIC BID ITEM.

GENERAL NOTES

FILE NAME: C:\PW_WORKDIR\DMS48816\GENERAL NOTES.DGN
USER: Josh-c
DATE PLOTTED: October 5, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

SHEETING SIGNS DETAIL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R2D

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT SIDEWALK STATION (APPROXIMATE)
SEE PLAN SHEETS	18	18		R1-1 (18" X 18")	7' LT	SB	PATH	101+22
					7' RT	NB	PATH	111+94
					7' LT	SB	PATH	112+64
					7' RT	NB	PATH	124+18
					7' LT	SB	PATH	124+80
					7' RT	NB	PATH	206+15
					7' LT	SB	PATH	206+93
SEE PLAN SHEETS	18	18	R1-1   R9-5 INSTALL ON ONE POST	R1-1 (18" X 18")	7' RT	NB	PATH	148+12
	12	18		R9-5 (12" X 18")	7' RT	SB	PATH	149+65
					7' RT	NB	PATH	149+78
					7' LT	SB	PATH	150+59
					7' RT	NB	PATH	173+18
					7' LT	SB	PATH	174+06
					7' RT	NB	PATH	217+64
					7' LT	SB	PATH	218+85
					7' RT	NB	PATH	232+34
					7' LT	SB	PATH	233+19
					7' RT	NB	PATH	243+69
					7' LT	SB	PATH	244+46
					7' RT	NB	PATH	251+91
SEE PLAN SHEETS	24	24		R5-3 (24" X 24")	7' RT	NB	PATH	101+41
					7' LT	SB	PATH	111+94
					7' RT	NB	PATH	112+89
					7' LT	SB	PATH	124+18
					7' RT	NB	PATH	125+10
					7' LT	SB	PATH	147+95
					7' RT	NB	PATH	150+56
					7' LT	SB	PATH	172+94
					7' RT	NB	PATH	174+06
					7' LT	SB	PATH	206+02
					7' RT	NB	PATH	206+95
					7' LT	SB	PATH	217+35
					7' RT	NB	PATH	218+84
					7' LT	SB	PATH	232+26
					7' RT	NB	PATH	233+19
					7' LT	SB	PATH	243+47
					7' RT	NB	PATH	244+26
					7' LT	SB	PATH	251+80

SIGN/SIGN ASSEMBLY NUMBER	SIZES IN INCHES HORIZ.	SIZES IN INCHES VERT.	MESSAGES ①	SPECIFICATION	SIGN LOCATION SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT SIDEWALK STATION (APPROXIMATE)
SEE PLAN SHEETS	EX	EX		REMOVE AND RELOCATE	7' RT	EB	KY 20	18+02
				RELOCATE EXISTING SIGNS TO PROPOSED SIGN POST				
SEE PLAN SHEETS	EX	EX	SCHOOL SIGN	REMOVE AND RELOCATE	7' RT	EB	COUGAR	18+40
				RELOCATE EXISTING SIGN TO PROPOSED SIGN POST				
SEE PLAN SHEETS	24	18		D11-1 (24" X 18")	7' LT	SB	PATH	147+93
	12	9		M6-1L (12" X 9")	10' RT	NB	PATH	149+70
SEE PLAN SHEETS	24	18		D11-1 (24" X 18")	10' RT	NB	PATH	148+12
	12	9		M6-1R (12" X 9")	10' RT	SB	PATH	149+68
SEE PLAN SHEETS	24	18		D11-1 (24" X 18")	10' RT	NB	PATH	217+64
	12	9		M6-3 (12" X 9")	10' LT	SB	PATH	232+26
					10' RT	NB	PATH	232+34
SEE PLAN SHEETS	12	6		M4-14 (12" X 6")	10' LT	SB	PATH	251+80
	24	18		D11-1 (24" X 18")				
SEE PLAN SHEETS	12	6		M4-6 (12" X 6")	7' RT	NB	PATH	250+91
	24	18		D11-1 (24" X 18")				
SEE PLAN SHEETS	36	36		R1-1 (36" X 36")	9' LT	EB	ENTRANCE	100+64
					9' LT	EB	ENTRANCE	112+06
					9' LT	EB	ENTRANCE	124+29
					4' RT	WB	ENTRANCE	206+85
					10' RT	NB	ENTRANCE (COUGAR)	15+93

SPECIAL NOTES:

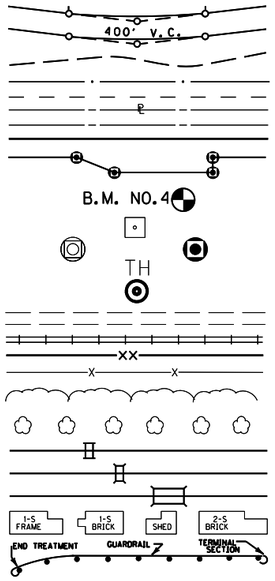
1. THE COLORS SHALL BE AS SHOWN IN THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' AND 'STANDARD HIGHWAY SIGNS'.
2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.125 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES), OTHERWISE 0.080 GAUGE SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE I POST USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER.
4. ALL MULTI USE PATH SIGNS SHALL HAVE SIGN MOUNTING HEIGHT OF 4' MIN. ACCORDING TO MUTCD FIGURE 9B-1.

KY 237
SIGNING PLAN
SHEETING SIGN DETAIL SHEET

Power InRoads v8.11.9.397 E-SHEET NAME: USER: andrew-b DATE PLOTTED: December 3, 2020 FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS48816\SHEETING SIGN DETAIL SHEETS.DGN

CONVENTIONAL SIGNS

SURVEY LINE
GRADE LINE
GROUND LINE
COUNTY LINE
CORPORATE LIMITS
EXIST. PROPERTY LINE
EXIST. RIGHT OF WAY & PROPERTY LINE
PROPOSED RIGHT OF WAY
RIGHT OF WAY MONUMENT
BENCH MARK
EXISTING R/W MARKER
RIGHT OF WAY MONUMENT EXISTING/PROPOSED
UTILITY TEST HOLE
EXISTING ROAD
RAILROAD
FENCE (CONTROLLED ACCESS)
FENCE (EXCEPT STONE AND HEDGE)
TREE LINE
TREES
PIPE CULVERT
CULVERT
BRIDGE
BUILDINGS
GUARDRAIL



	EXISTING	PROPOSED
LIGHTING POLE		
POWER POLE		
JOINT POWER & TELEPHONE POLE		
TELEPHONE & TELEGRAPH POLE		
ANCHOR, POWER OR TELEPHONE		
STUB POWER		
STUB TELEPHONE		
WATER MAIN	WM	6" WM
GAS MAIN	GM	6" GM
TELEPHONE DUCT	T	T
ELECTRIC DUCT	E	E
DIRECT BURIAL TV CABLE	TV	TV
SANITARY SEWER (WITH MANHOLE)	SAN	SAN
STORM SEWER (WITH MANHOLE)	STORM	STORM
DIRECT BURIAL ELECTRIC CABLE	E	E
DIRECT BURIAL TELEPHONE CABLE	T	T
OVERHEAD WIRE		
TRAFFIC LIGHTS		
ELECTRIC MANHOLE	EMH	EMH
TELEPHONE MANHOLE	TMH	TMH

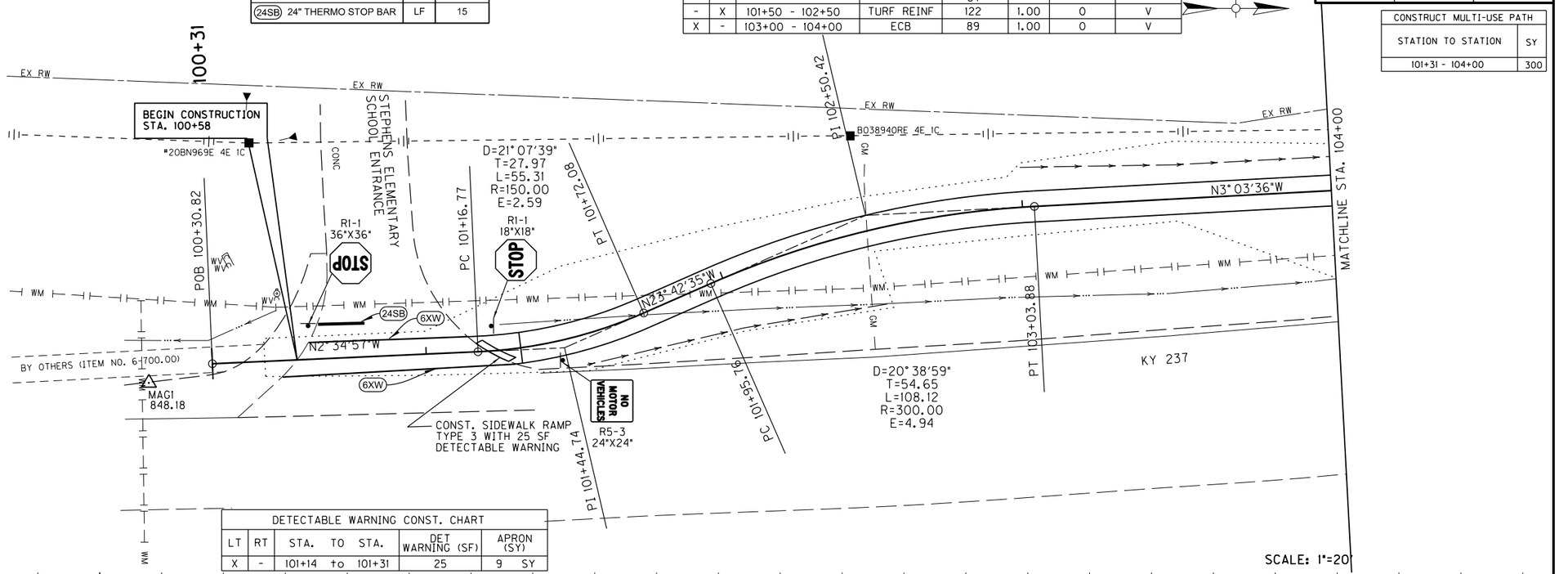
STONE FENCE
HEDGE FENCE
SWAMP OR MARSH
SPRINGS
SINKHOLE
QUARRY SITE
BLUE LINE STREAM
INTERMITTENT STREAM OR DITCH
LAKES OR PONDS
REGULATED FLOODWAY
NORTH POINT

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	126
(24SB) 24" THERMO STOP BAR	LF	15

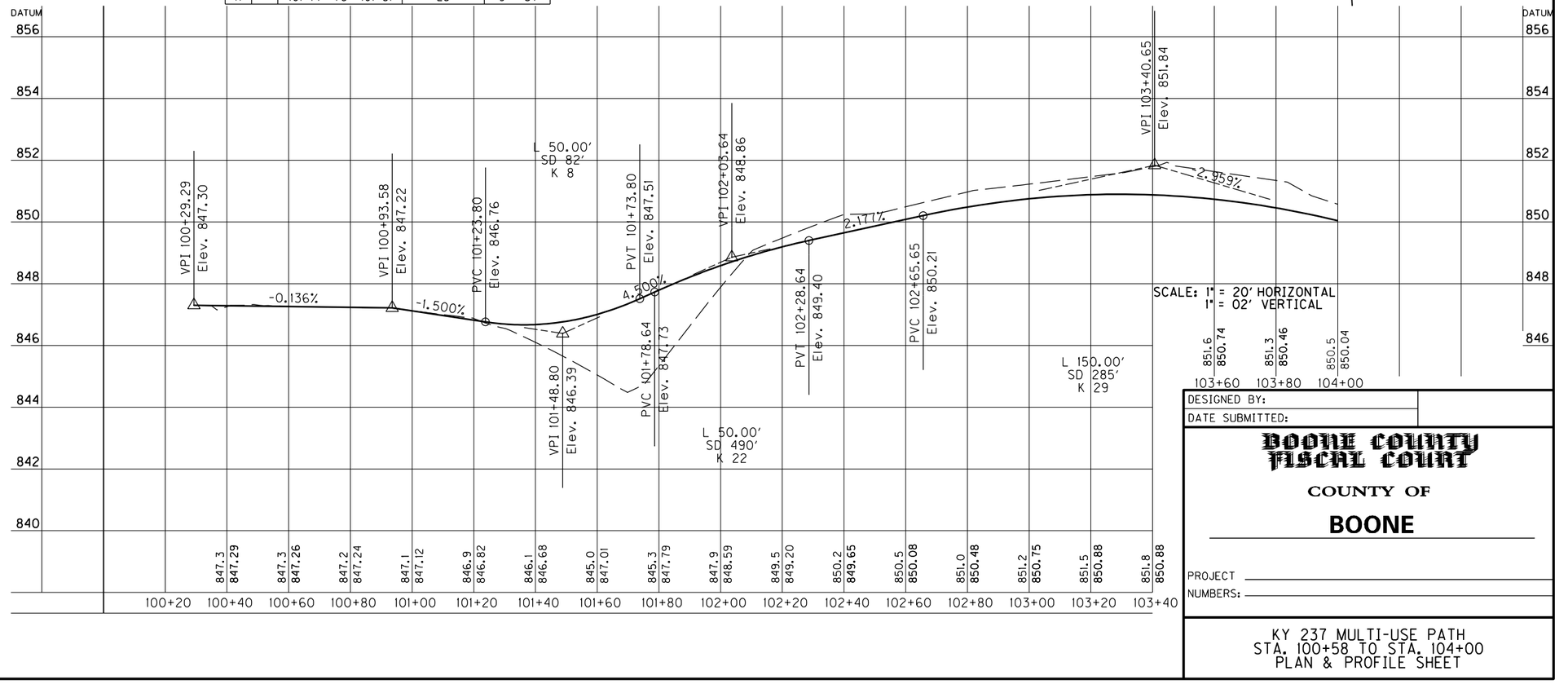
DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	101+50 - 102+50	TURF REINF	122	1.00	0	V
X	-	103+00 - 104+00	ECB	89	1.00	0	V

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R3

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
101+31 - 104+00	300



DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	101+14 to 101+31	25	9 SY



DESIGNED BY:
DATE SUBMITTED:

BOONE COUNTY FISCAL COURT
COUNTY OF
BOONE

PROJECT NUMBERS:

KY 237 MULTI-USE PATH
STA. 100+58 TO STA. 104+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R3.DGN
USER: josh-c
DATE PLOTTED: October 5, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R4

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
104+00 - 109+00	556

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	104+00 - 109+00	TURF REINF	772	1.00	0	V
X	-	104+00 - 107+50	ECB	311	1.00	0	V

105+00

D=5°33'32"
T=10.92
L=21.83
R=225.00
E=0.26

D=5°13'28"
T=10.27
L=20.52
R=225.00
E=0.23

PC 105+82.43
PT 106+04.26
PI 106+99.43
PC 108+88.21

EX RW
MATCHLINE STA. 104+00
MATCHLINE STA. 109+00
4E IC
B038941RE
N3°03'36"W
N8°37'8"W
N3°23'40"W
O/E 833.73
18" PE
T/G 837.35
I/E 834.10
KY 237
PI 105+93.36
PC 106+89.17
PT 107+09.68
WM
850
840
830

SCALE: 1"=20'

DATUM

PVT 104+15.65
Elev. 849.62
-2.959%
HVC 106+20.08
Elev. 843.57
L 200.00'
SD 750'
K 86
VPI 107+20.08
Elev. 840.61
PVT 108+20.08
Elev. 839.98
-0.632%

SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

| | | | | | | |

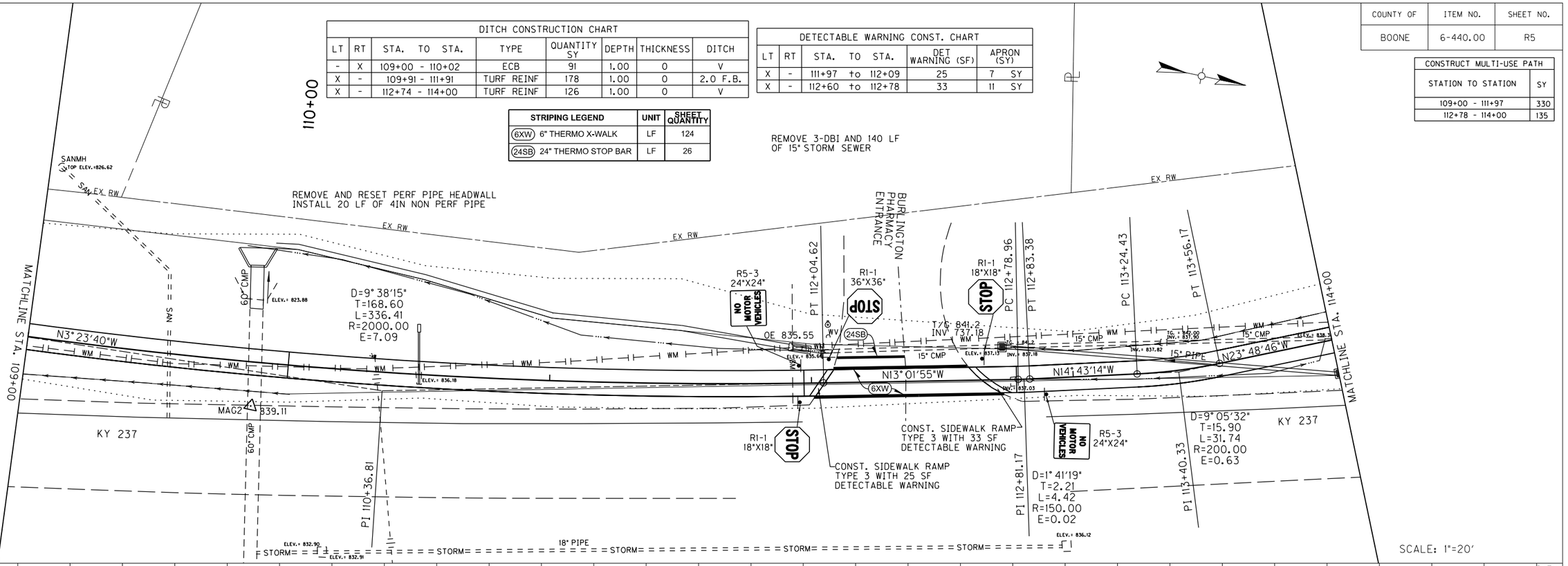
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R5

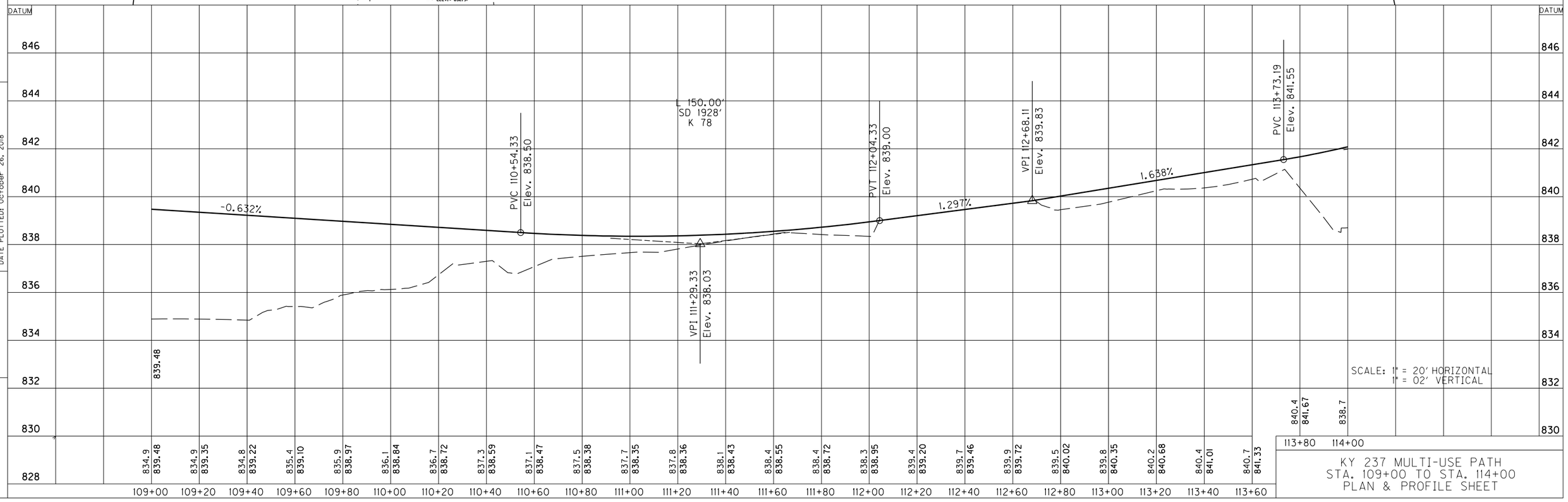
CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
109+00 - 111+97	330
112+78 - 114+00	135

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	109+00 - 110+02	ECB	91	1.00	0	V
X	-	109+91 - 111+91	TURF REINF	178	1.00	0	2.0 F.B.
X	-	112+74 - 114+00	TURF REINF	126	1.00	0	V

DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	111+97 to 112+09	25	7 SY
X	-	112+60 to 112+78	33	11 SY

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	124
(24SB) 24" THERMO STOP BAR	LF	26



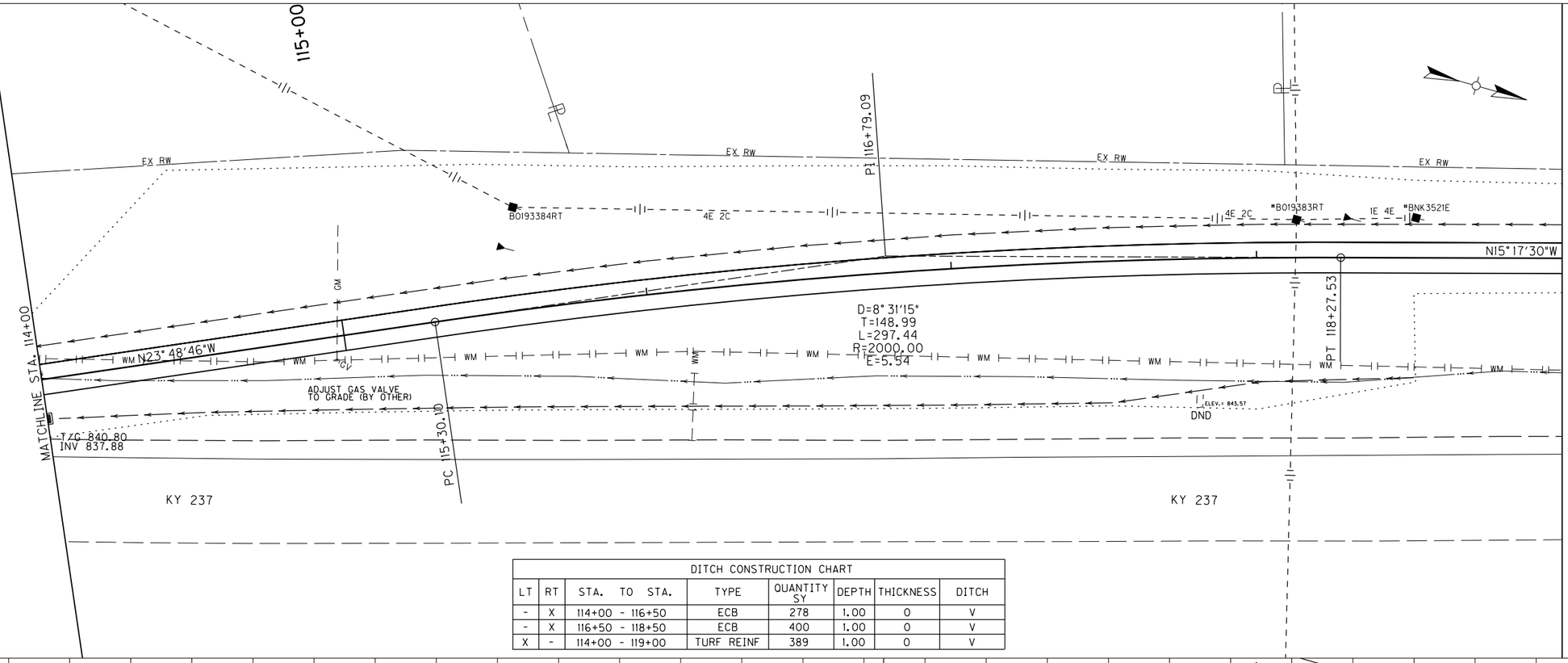


KY 237 MULTI-USE PATH
STA. 109+00 TO STA. 114+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R5.DGN
USER: Josh-c
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

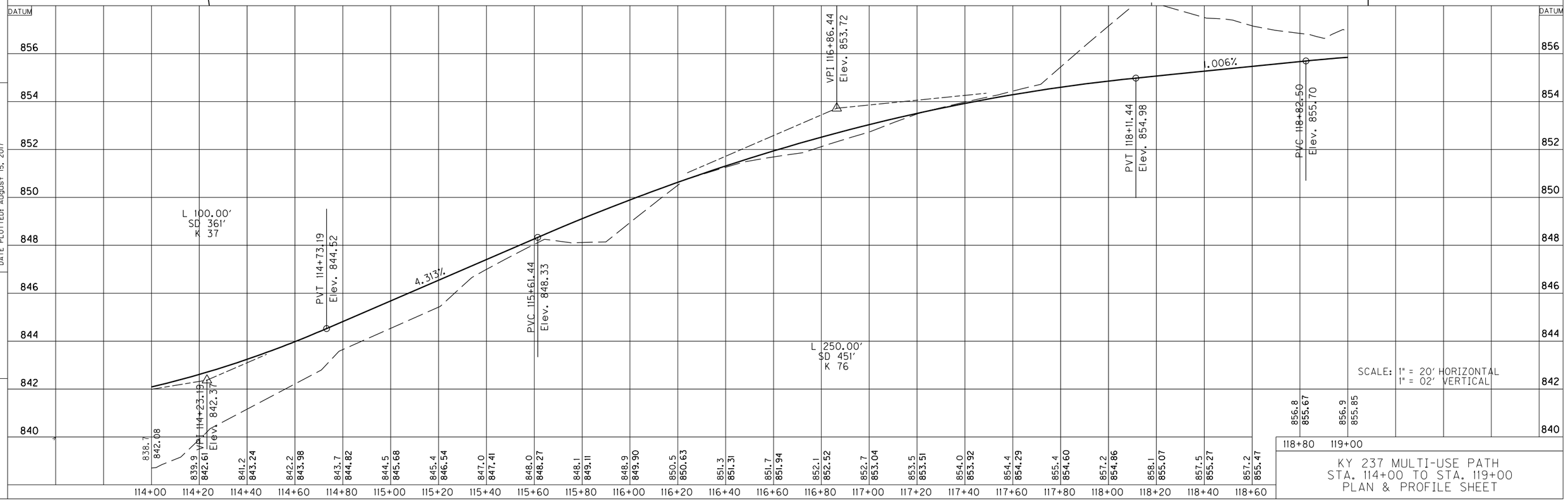
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R6

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
114+00 - 119+00	556



SCALE: 1"=20'

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	114+00 - 116+50	ECB	278	1.00	0	V
-	X	116+50 - 118+50	ECB	400	1.00	0	V
X	-	114+00 - 119+00	TURF REINF	389	1.00	0	V



SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 114+00 TO STA. 119+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R6.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R7

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	119+30 - 121+00	ECB	321	1.00	0	V
-	X	121+50 - 124+00	TURF REINF	278	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
119+00 - 124+00	556

D=3°15'25"
T=28.43
L=56.84
R=1000.00
E=0.40

MATCHLINE STA. 119+00

PI 120+03.89

ELEV.= 846.29

ELEV.= 845.33

18" RCP

EX RW

N15°17'30"W

N12°02'05"W

ADJUST MAN HOLE TO GRADE (BY OTHERS) (EMH)

PC 119+76.46

PT 120+32.31

MAG3
849.91

KY 237

PI 123+52.66

PC 123+85.15

N20°20'29"E

MATCHLINE STA. 124+00

•SIGN

PC 123+23.63

D=32°22'34"
T=29.03
L=56.51
R=100.00
E=4.13

PT 123+80.14

KY 237

SCALE: 1"=20'

VPI 119+20.00
Elev. 856.07

1.006%

PVT 119+57.50
Elev. 856.01

-0.163%

PVC 122+57.93
Elev. 855.52

VPI 123+00.43
Elev. 855.45

-2.496%

PVT 123+42.93
Elev. 854.39

PVC 123+69.05
Elev. 853.74

L 75.00'
SD 960'
K 64

L 85.00'
SD 505'
K 36

L 65.00'
SD 139'
K 16

855.8	856.2	855.6	855.0	855.3	855.6	855.7	855.8	856.0	856.0	855.8	855.8	855.7	855.9	855.8	856.0	855.9	855.7	855.5	855.4	855.3	855.3	855.0	854.3	852.3	853.3
855.85	855.96	856.02	856.01	855.98	855.94	855.91	855.88	855.84	855.81	855.78	855.75	855.71	855.68	855.65	855.62	855.58	855.55	855.52	855.42	855.21	854.89	854.46	853.96	853.50	853.27

119+00 119+20 119+40 119+60 119+80 120+00 120+20 120+40 120+60 120+80 121+00 121+20 121+40 121+60 121+80 122+00 122+20 122+40 122+60 122+80 123+00 123+20 123+40 123+60 123+80 124+00

SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 119+00 TO STA. 124+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R7.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

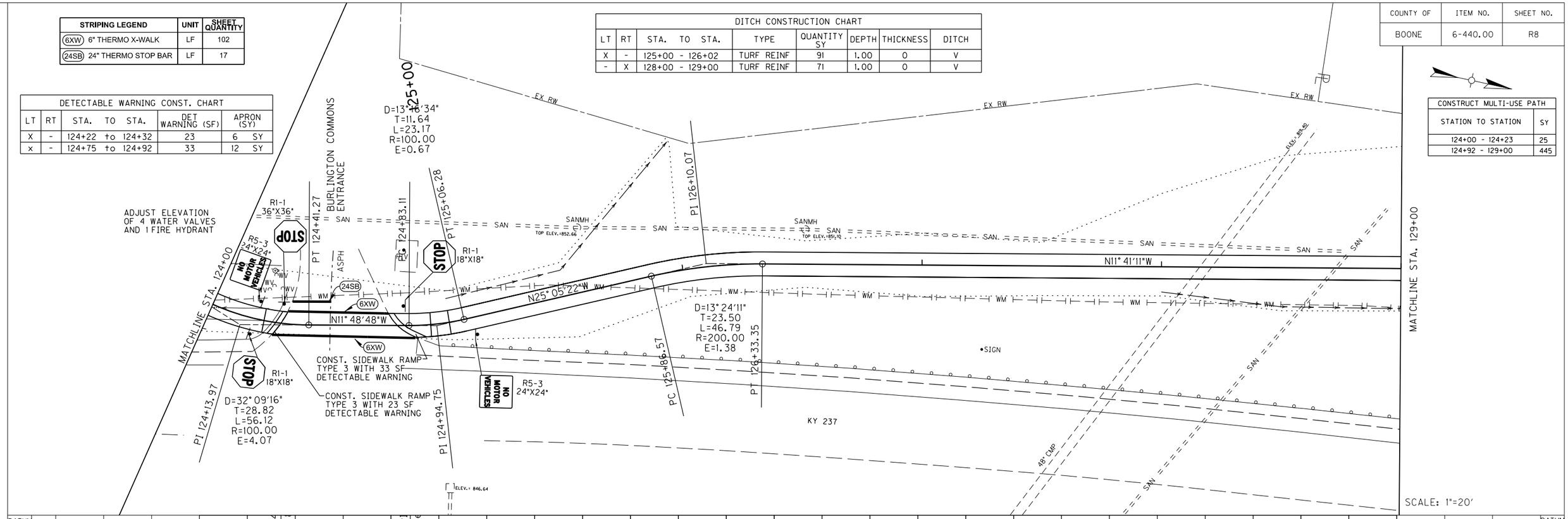
STRIPING LEGEND	UNIT	SHEET QUANTITY
6XW 6" THERMO X-WALK	LF	102
24SB 24" THERMO STOP BAR	LF	17

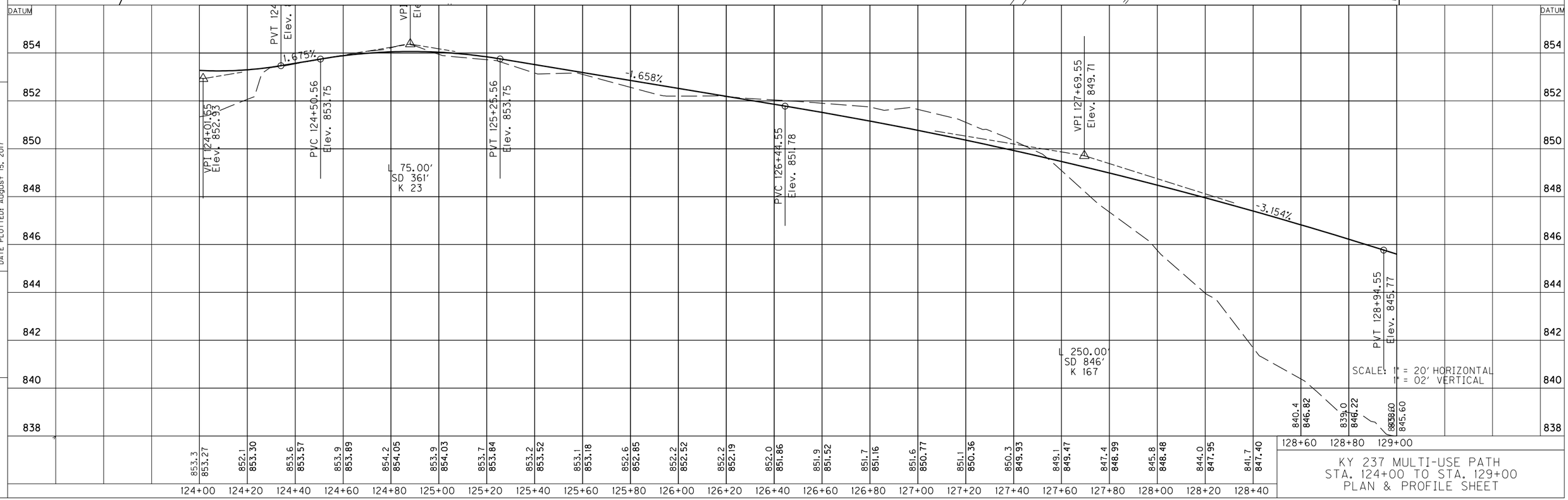
DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	124+22 to 124+32	23	6 SY
x	-	124+75 to 124+92	33	12 SY

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	125+00 - 126+02	TURF REINF	91	1.00	0	V
-	X	128+00 - 129+00	TURF REINF	71	1.00	0	V

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R8

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
124+00 - 124+23	25
124+92 - 129+00	445



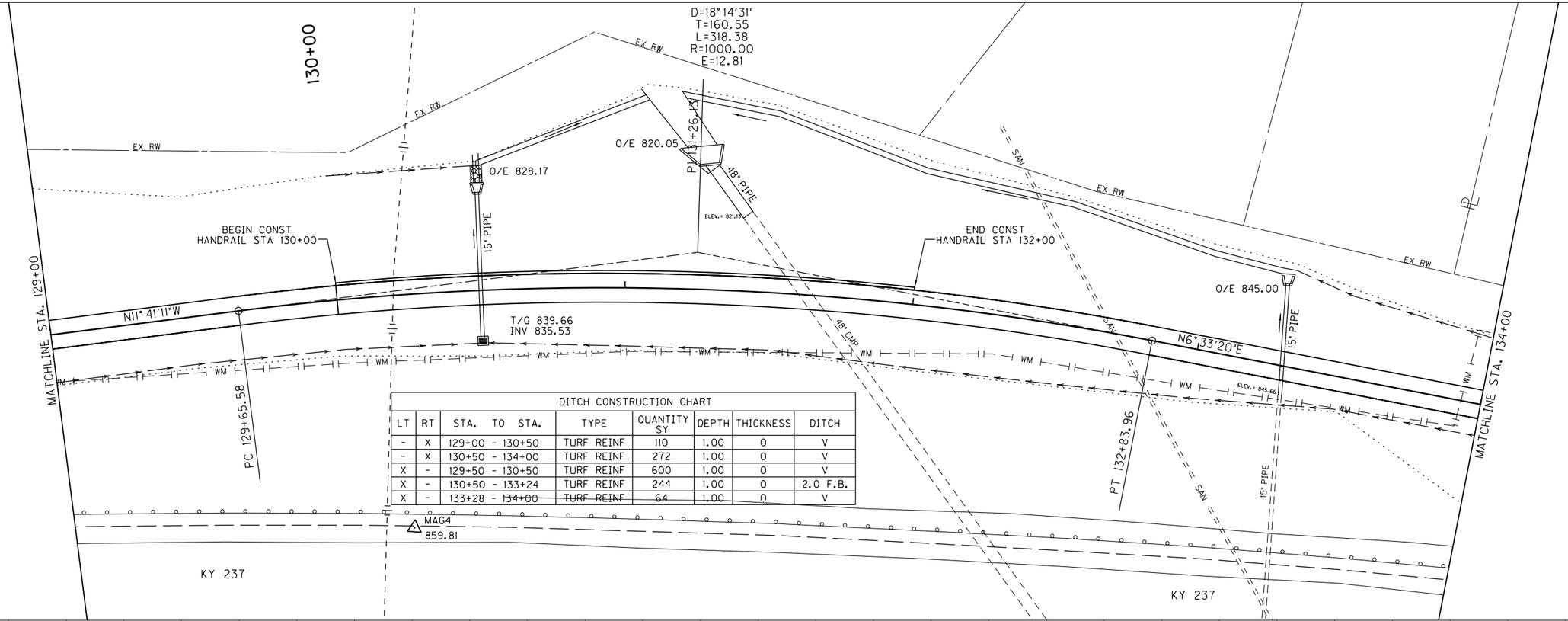


KY 237 MULTI-USE PATH
STA. 124+00 TO STA. 129+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS48811\R8.DGN
USER: josh-c
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

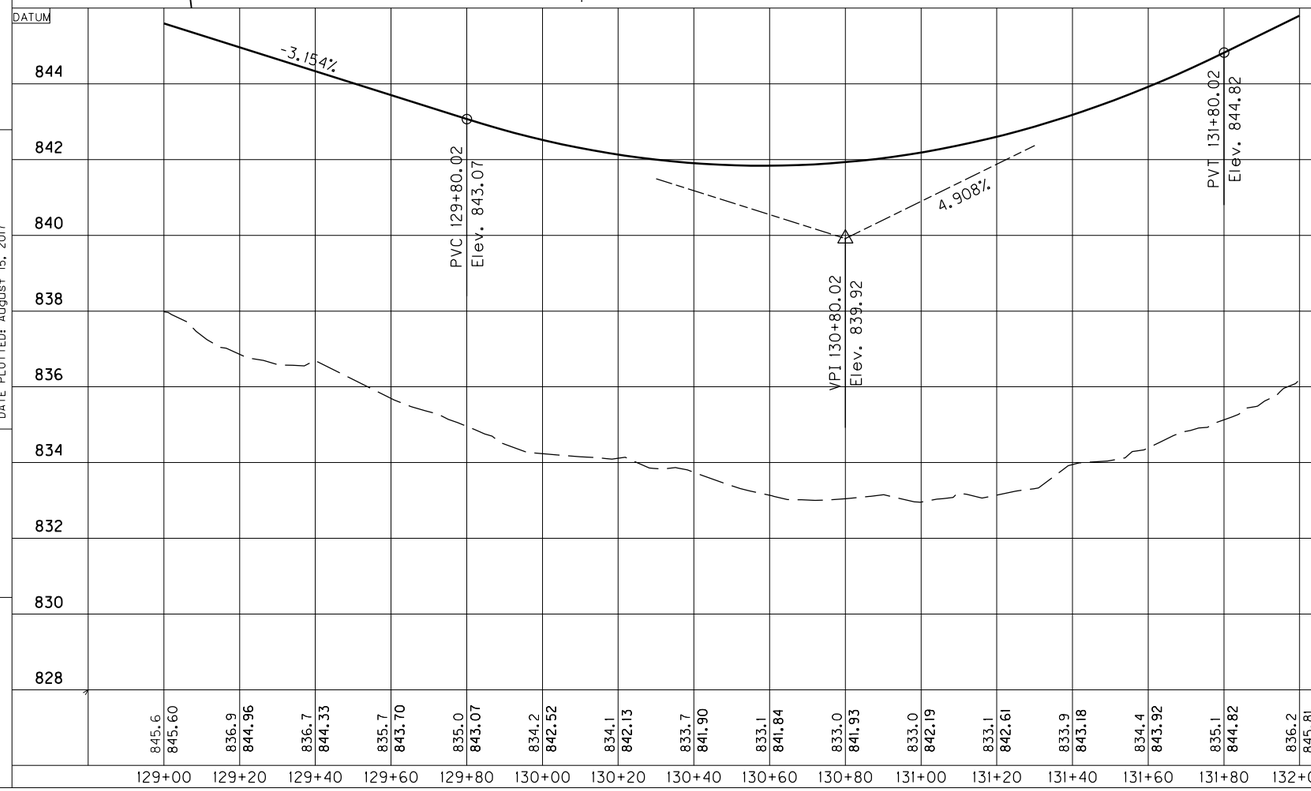
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R9

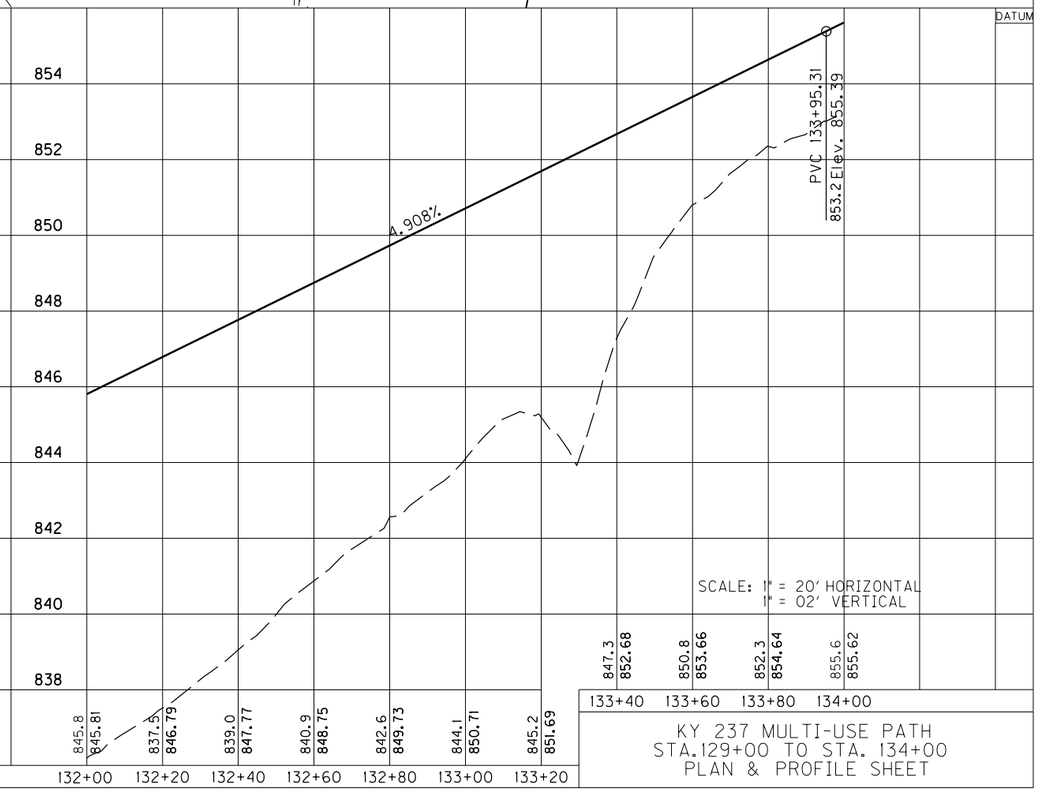
CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
129+00 - 134+00	556



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	129+00 - 130+50	TURF REINF	110	1.00	0	V
-	X	130+50 - 134+00	TURF REINF	272	1.00	0	V
X	-	129+50 - 130+50	TURF REINF	600	1.00	0	V
X	-	130+50 - 133+24	TURF REINF	244	1.00	0	2.0 F.B.
X	-	133+28 - 134+00	TURF REINF	64	1.00	0	V

SCALE: 1"=20'





SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA.129+00 TO STA. 134+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS48811\R9.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R10

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
134+00 - 139+00	556

135+00

PL

PL

PL

EX RW

EX RW

EX RW

WM

MATCHLINE STA. 134+00

MATCHLINE STA. 139+00

N6°33'20"E

KY 237

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	134+00 - 135+00	TURF REINF	89	1.00	0	V
-	X	134+00 - 139+00	TURF REINF	444	1.00	0	V

SCALE: 1"=20'

DATUM

868 866 864 862 860 858 856 854 852

VPI 135+20.31
Elev. 861.53

PVT 136+45.31
Elev. 862.85

4.908%

1.055%

L = 300.00'
SSD = 305'

855.6 855.62 | 854.4 856.56 | 855.3 857.43 | 856.0 858.24 | 856.5 858.99 | 858.2 859.68 | 860.1 860.31 | 860.6 860.88 | 861.2 861.38 | 862.2 861.83 | 862.5 862.21 | 862.6 862.53 | 862.7 862.79 | 862.9 863.00 | 863.0 863.21 | 863.1 863.42 | 863.2 863.63 | 863.2 863.84 | 863.5 864.06 | 863.8 864.27 | 864.1 864.48 | 864.3 864.69 | 864.5 864.90 | 864.6 865.11 | 864.8 865.32 | 864.8 865.53

134+00 134+20 134+40 134+60 134+80 135+00 135+20 135+40 135+60 135+80 136+00 136+20 136+40 136+60 136+80 137+00 137+20 137+40 137+60 137+80 138+00 138+20 138+40 138+60 138+80 139+00

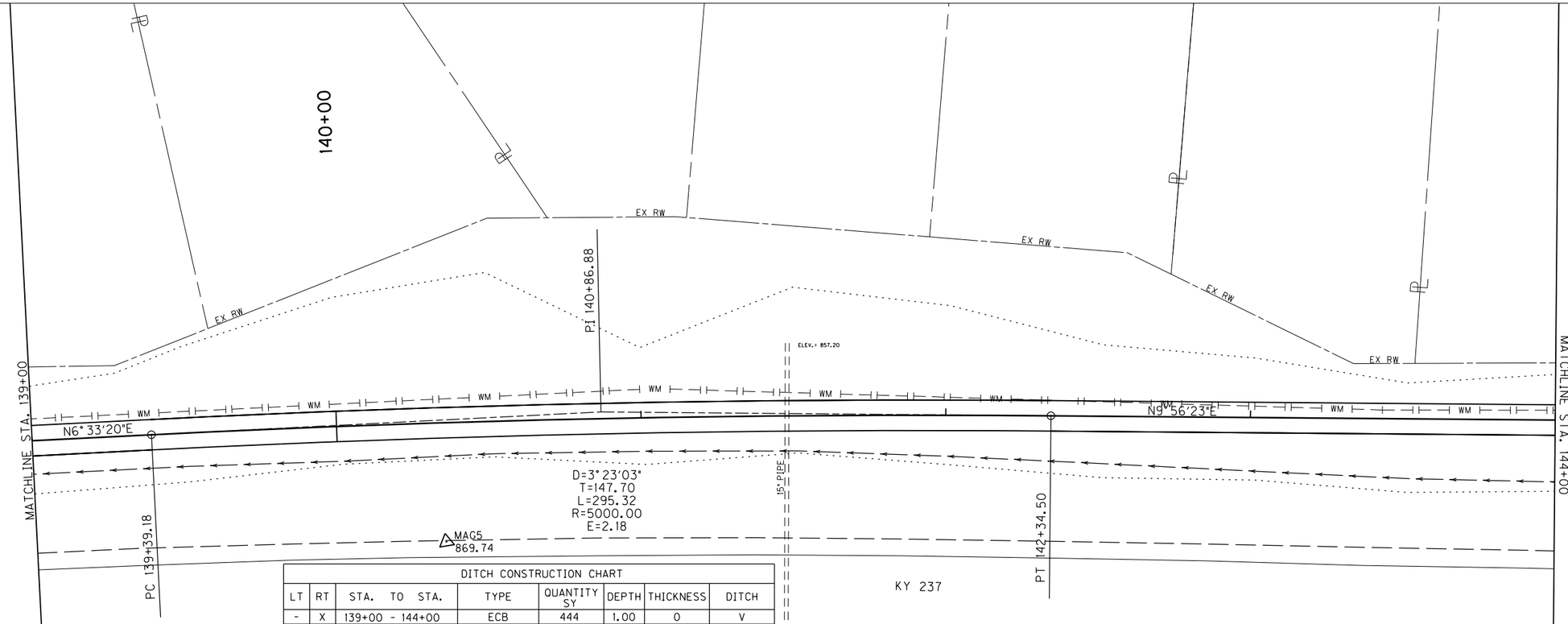
SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 134+00 TO STA. 139+00
PLAN & PROFILE SHEET

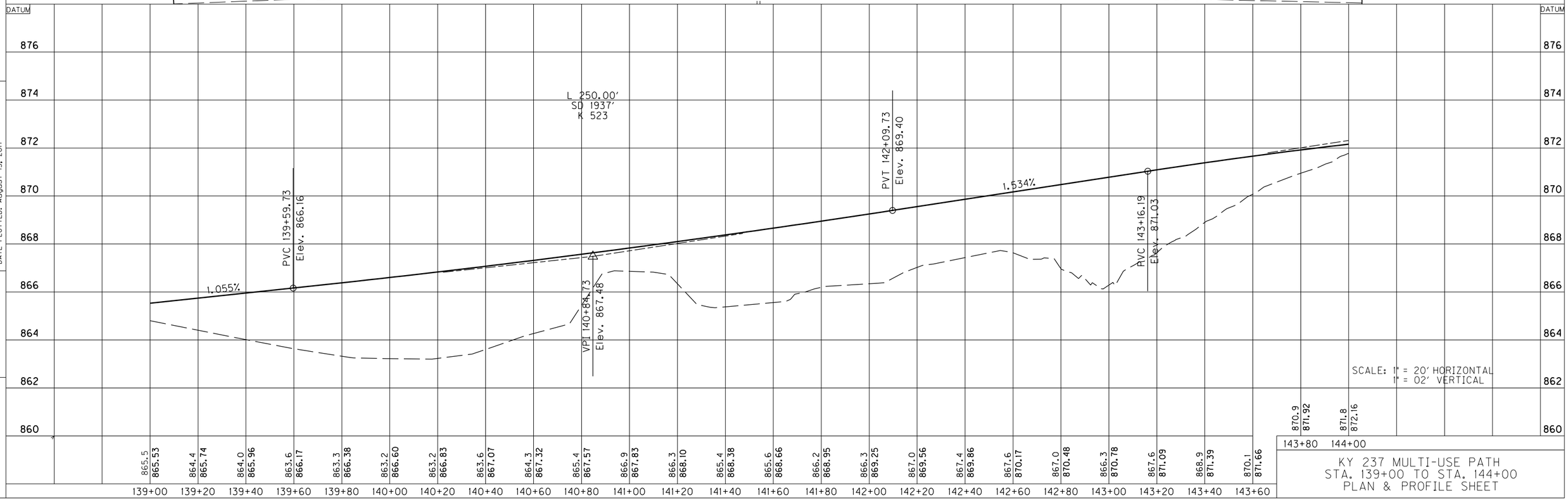
FILE NAME: C:\PW_WORKDIR\DMS488II\R10.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R11

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
139+00 - 144+00	556



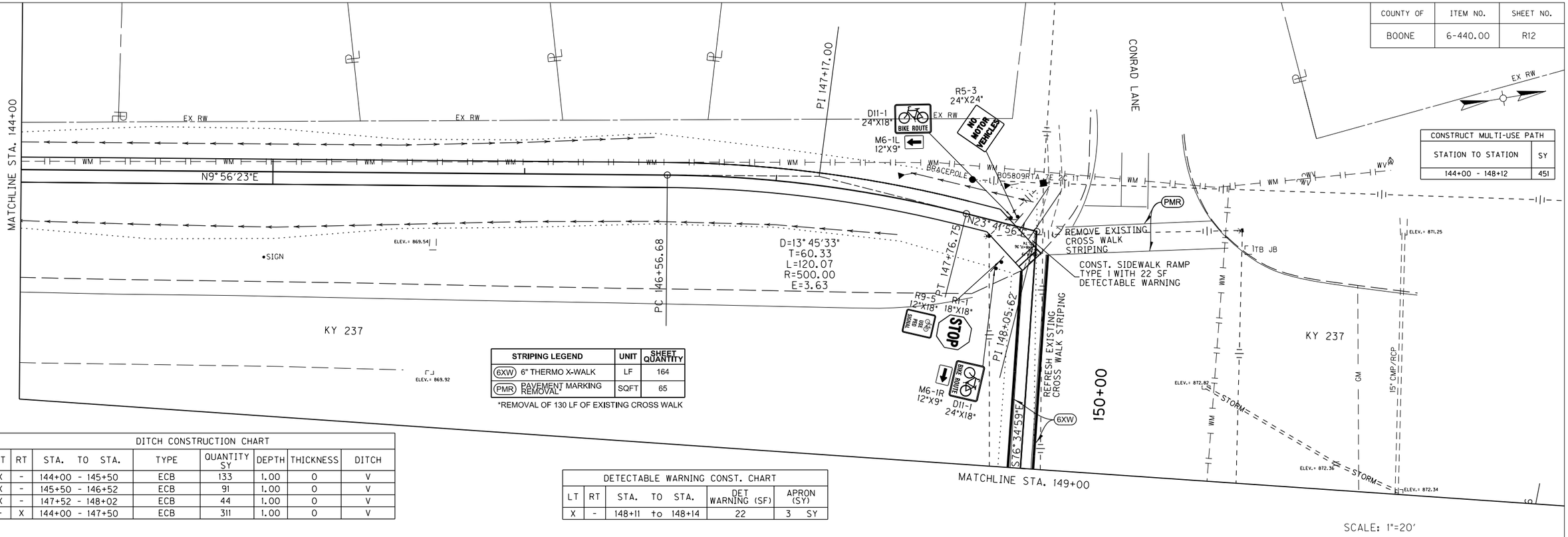
DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	139+00 - 144+00	ECB	444	1.00	0	V
X	-	141+50 - 144+00	TURF REINF	500	1.00	0	V



KY 237 MULTI-USE PATH
STA. 139+00 TO STA. 144+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R11.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R12



CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
144+00 - 148+12	451

STRIPING LEGEND	UNIT	SHEET QUANTITY
6XW 6" THERMO X-WALK	LF	164
PMR PAVEMENT MARKING REMOVAL*	SQFT	65

*REMOVAL OF 130 LF OF EXISTING CROSS WALK

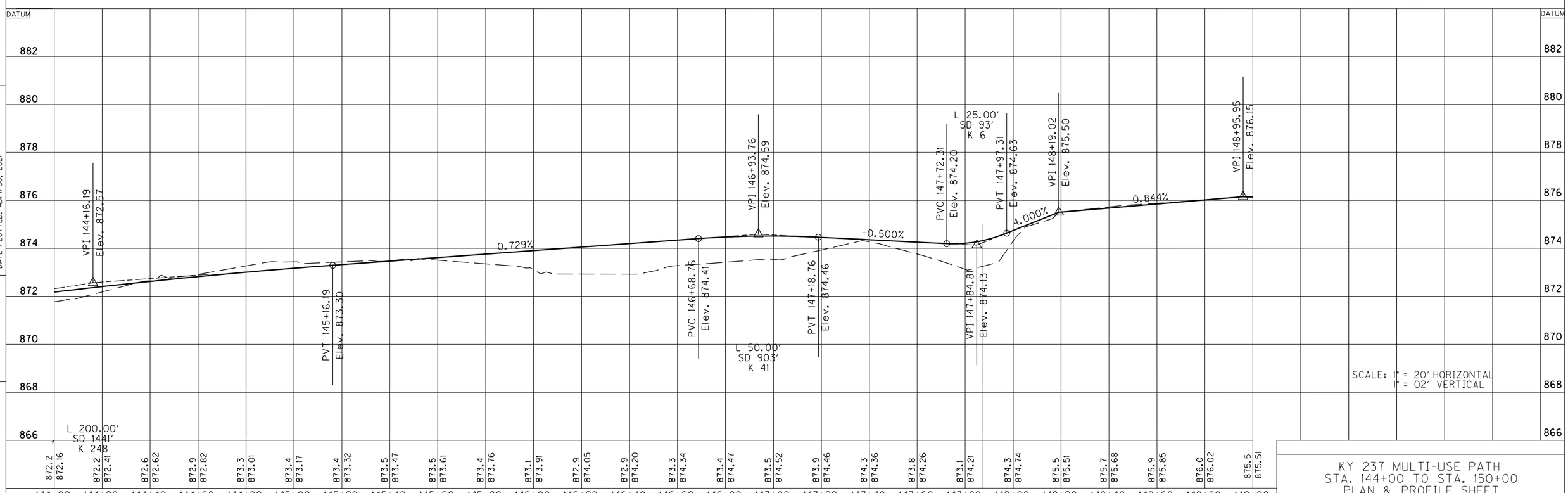
SCALE: 1"=20'

DITCH CONSTRUCTION CHART

LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	144+00 - 145+50	ECB	133	1.00	0	V
X	-	145+50 - 146+52	ECB	91	1.00	0	V
X	-	147+52 - 148+02	ECB	44	1.00	0	V
-	X	144+00 - 147+50	ECB	311	1.00	0	V

DETECTABLE WARNING CONST. CHART

LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	148+11 to 148+14	22	3 SY

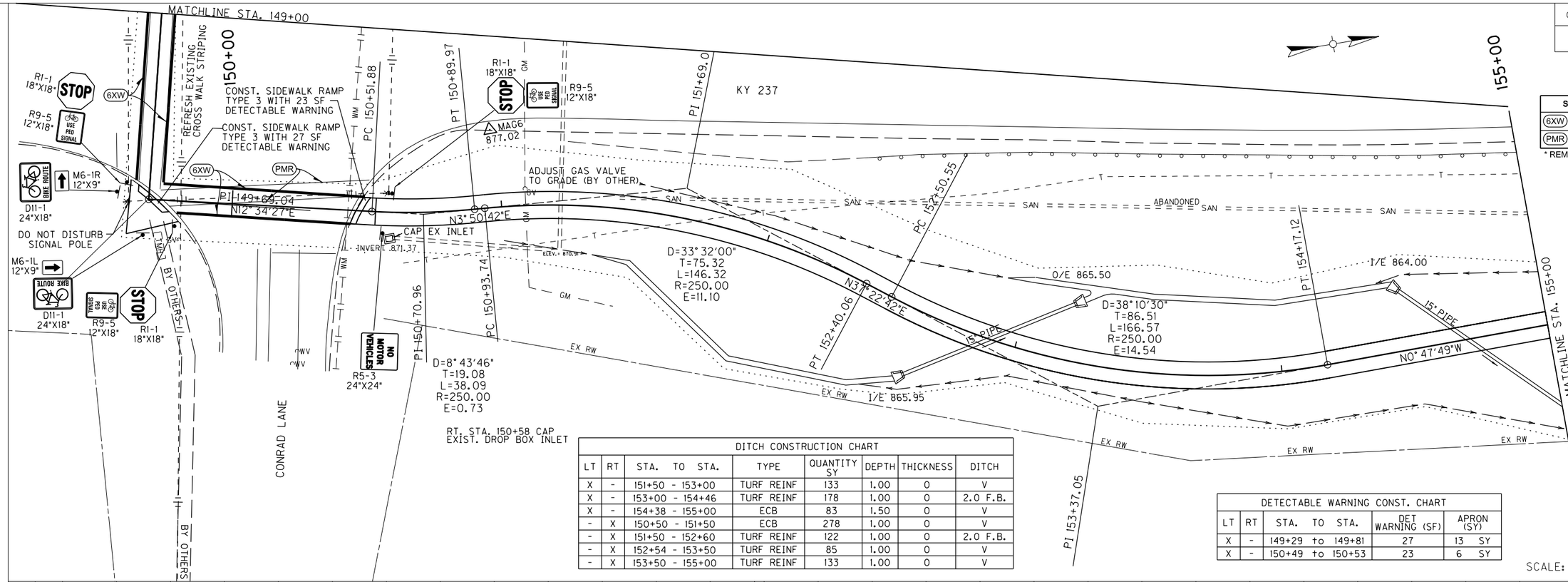


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 144+00 TO STA. 150+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS48811\R12.DGN
USER: josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R13



STRIPING LEGEND	UNIT	SHEET QUANTITY
6XW 6" THERMO X-WALK	LF	264
PMR PAVEMENT MARKING REMOVAL *	SQFT	75

* REMOVAL OF 150 LF EXISTING CROSS WALK

DITCH CONSTRUCTION CHART

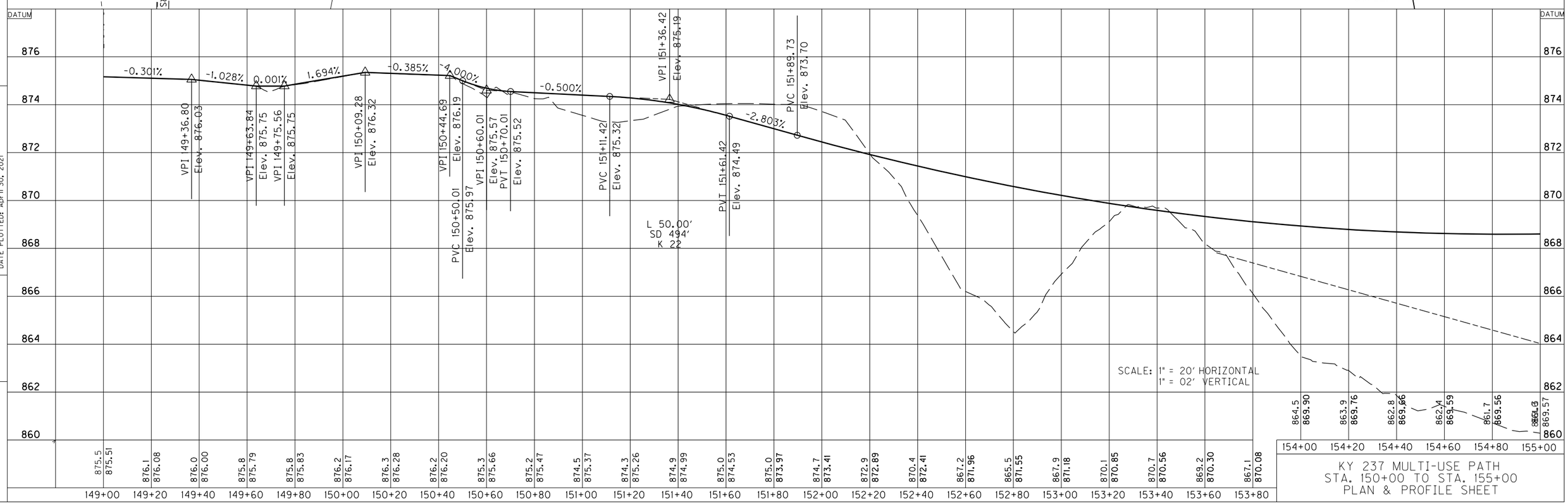
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	151+50 - 153+00	TURF REINF	133	1.00	0	V
X	-	153+00 - 154+46	TURF REINF	178	1.00	0	2.0 F.B.
X	-	154+38 - 155+00	ECB	83	1.50	0	V
-	X	150+50 - 151+50	ECB	278	1.00	0	V
-	X	151+50 - 152+60	TURF REINF	122	1.00	0	2.0 F.B.
-	X	152+54 - 153+50	TURF REINF	85	1.00	0	V
-	X	153+50 - 155+00	TURF REINF	133	1.00	0	V

DETECTABLE WARNING CONST. CHART

LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	149+29 to 149+81	27	13 SY
X	-	150+49 to 150+53	23	6 SY

CONSTRUCT MULTI-USE PATH

STATION TO STATION	SY
150+53 - 155+00	497

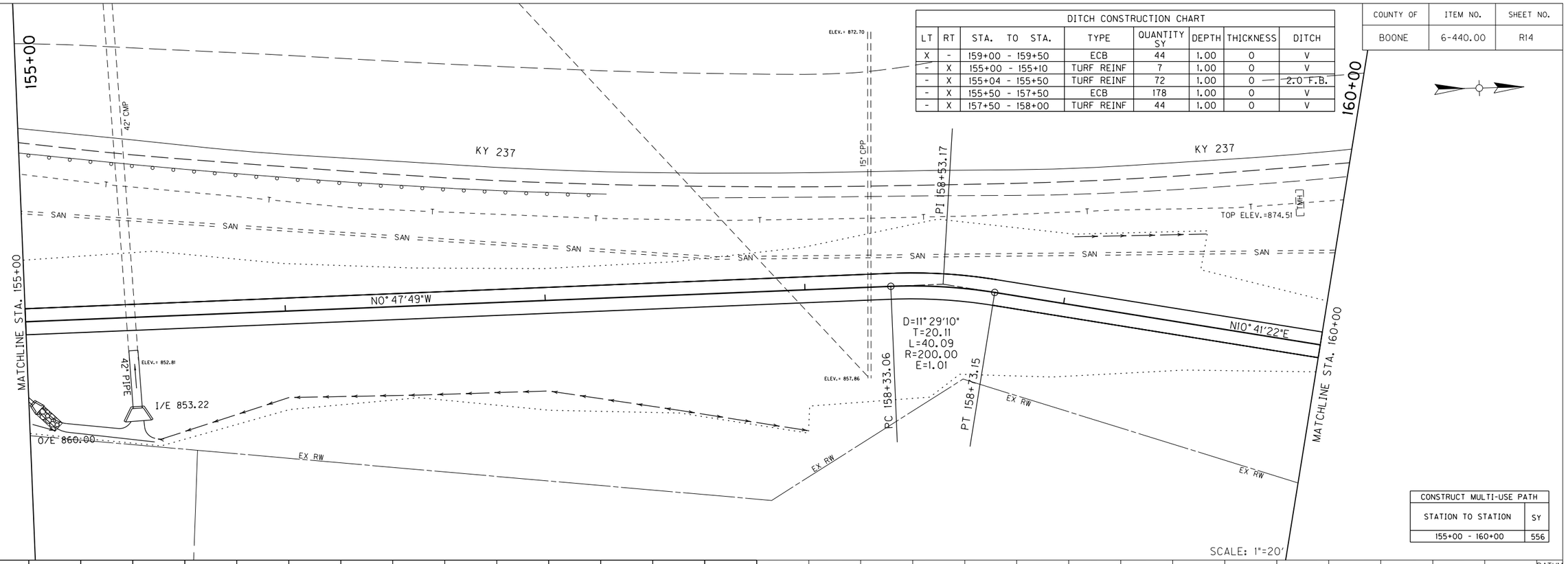


KY 237 MULTI-USE PATH
STA. 150+00 TO STA. 155+00
PLAN & PROFILE SHEET

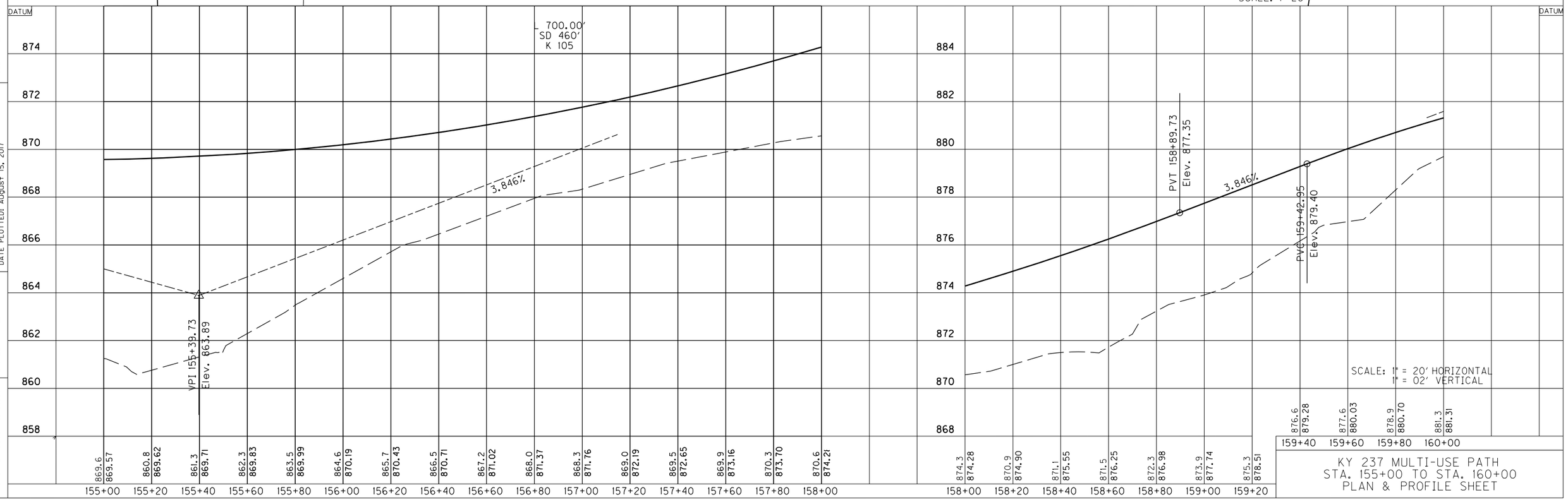
FILE NAME: C:\PW_WORKDIR\DMS48811\R13.DGN
USER: josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R14

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	159+00 - 159+50	ECB	44	1.00	0	V
-	X	155+00 - 155+10	TURF REINF	7	1.00	0	V
-	X	155+04 - 155+50	TURF REINF	72	1.00	0	2.0 F.B.
-	X	155+50 - 157+50	ECB	178	1.00	0	V
-	X	157+50 - 158+00	TURF REINF	44	1.00	0	V

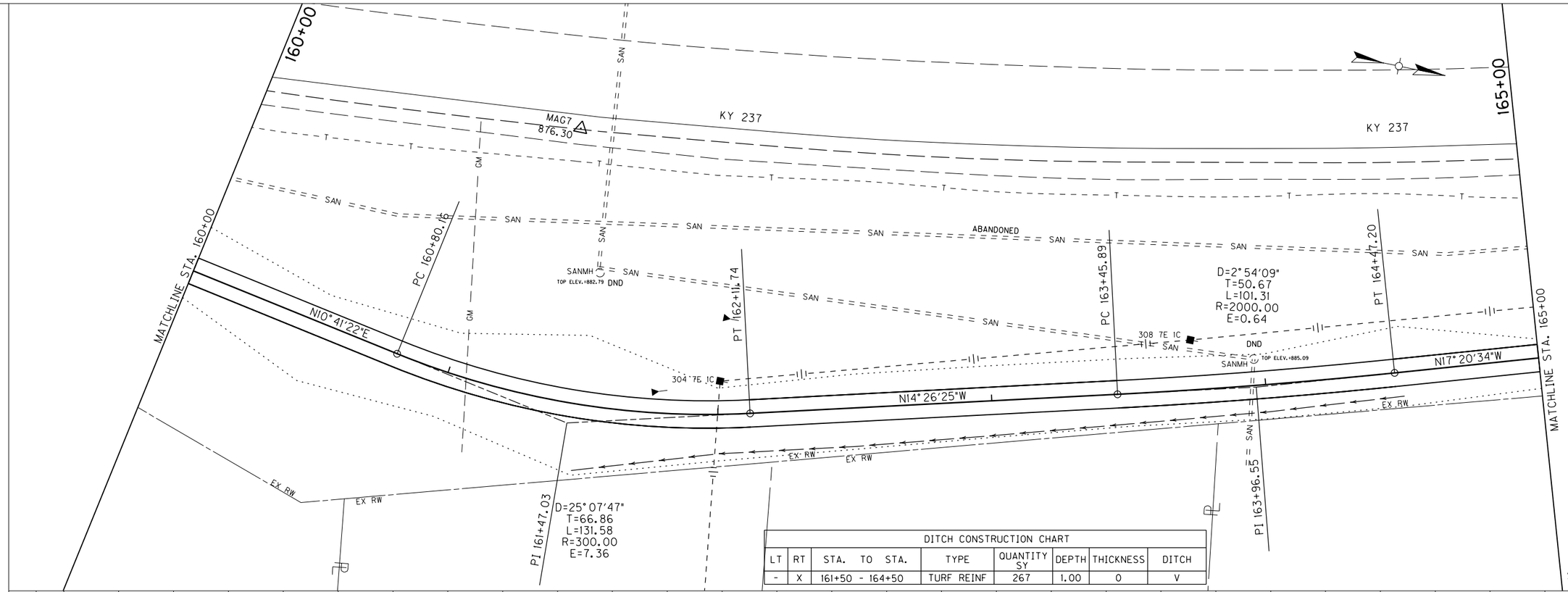


CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
155+00 - 160+00	556



FILE NAME: C:\PW_WORKDIR\DMS488II\R14.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

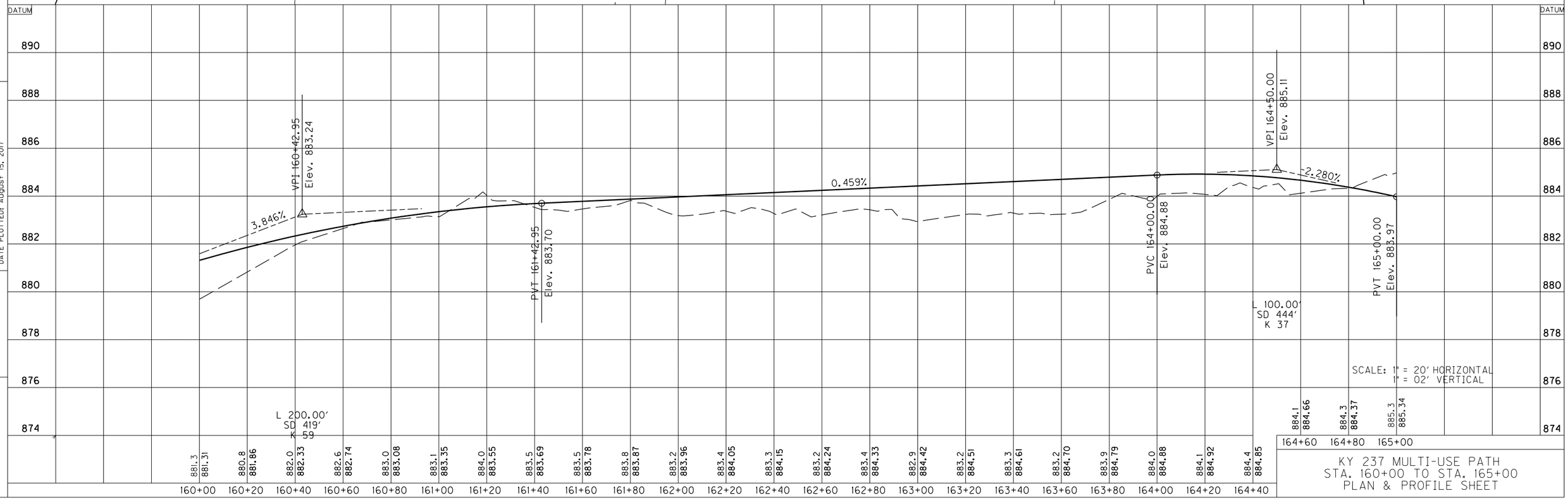
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R15



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	161+50 - 164+50	TURF REINF	267	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
160+00 - 165+00	556

SCALE: 1"=20'

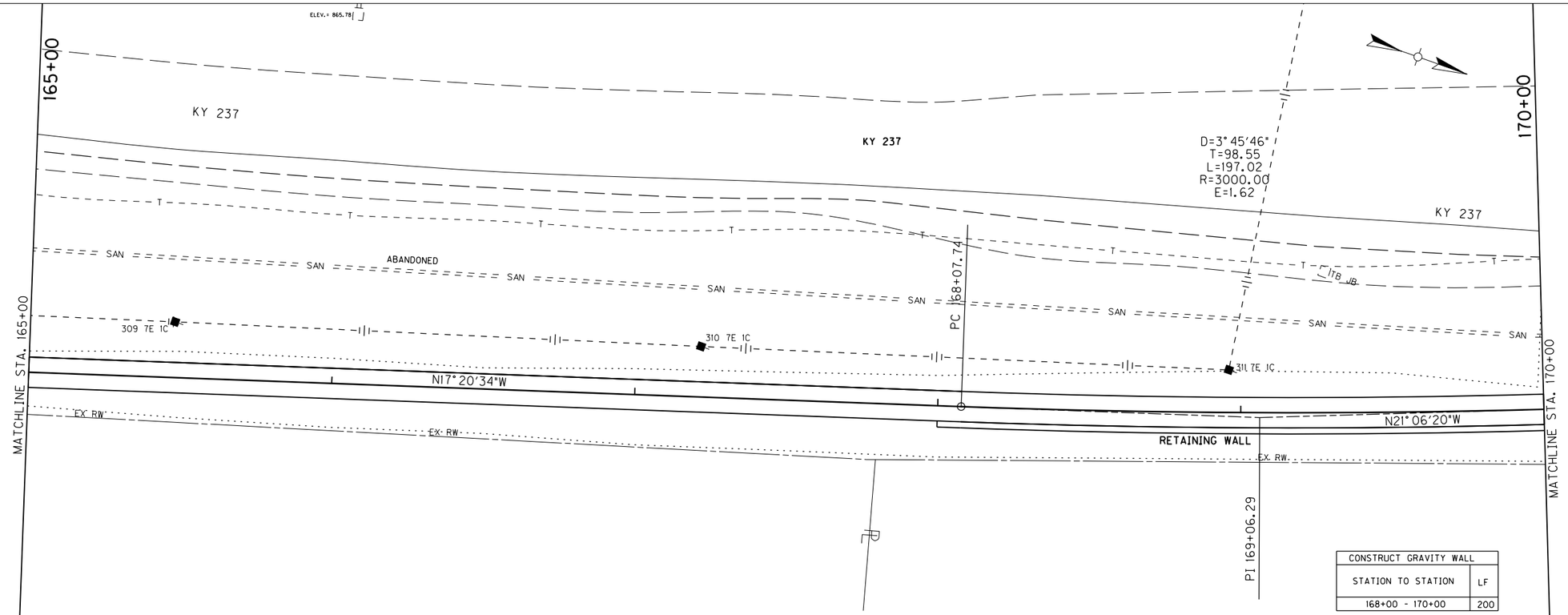


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 160+00 TO STA. 165+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS4881I\R15.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

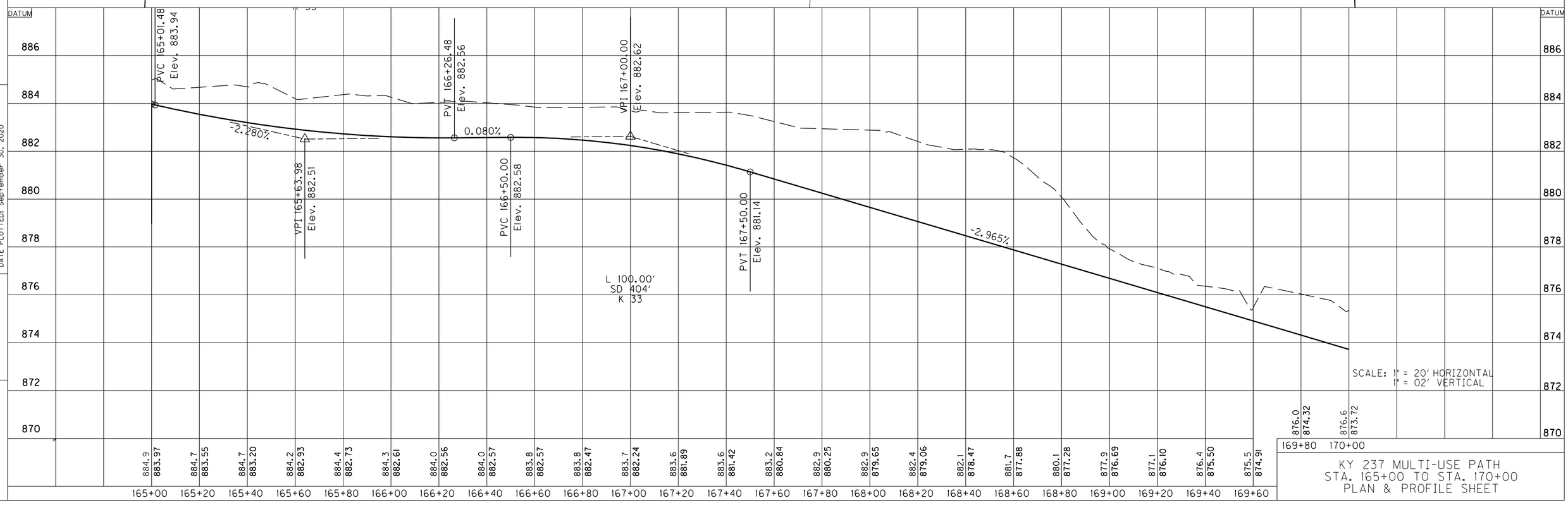
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R16



CONSTRUCT GRAVITY WALL	
STATION TO STATION	LF
168+00 - 170+00	200

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
165+00 - 170+00	556

SCALE: 1"=20'

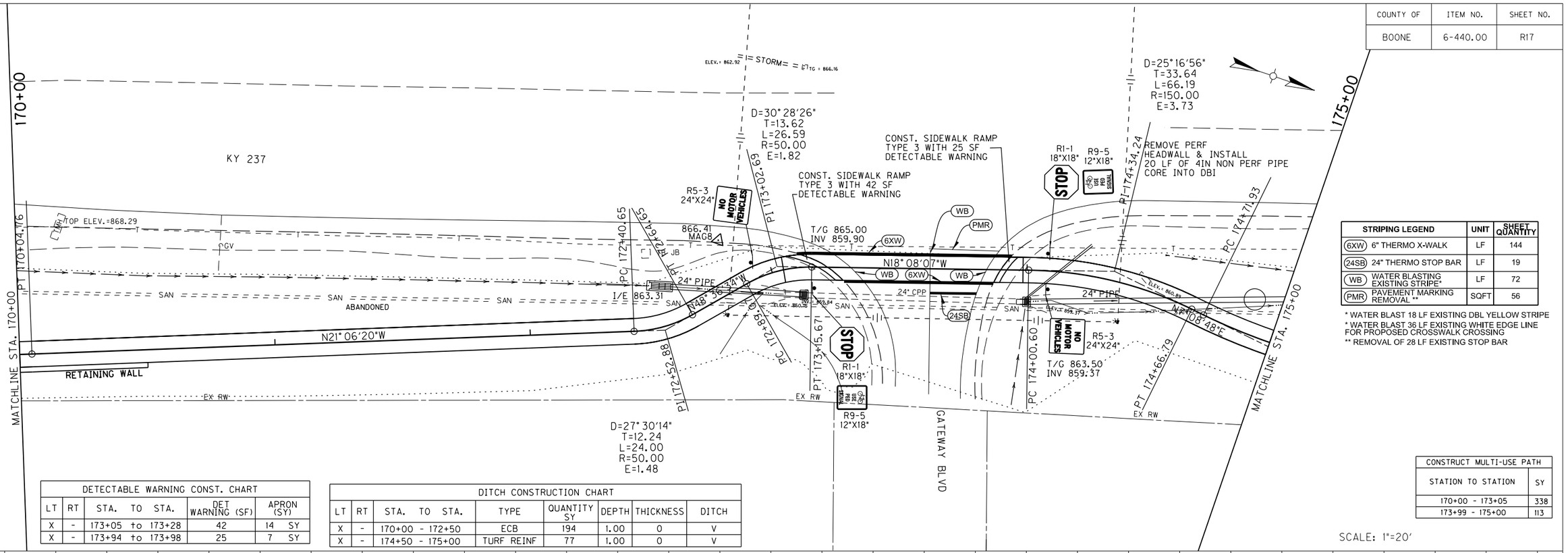


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 165+00 TO STA. 170+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R16.DGN
USER: stephen
DATE PLOTTED: September 30, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R17



STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	144
(24SB) 24" THERMO STOP BAR	LF	19
(WB) WATER BLASTING EXISTING STRIPE*	LF	72
(PMR) PAVEMENT MARKING REMOVAL **	SQFT	56

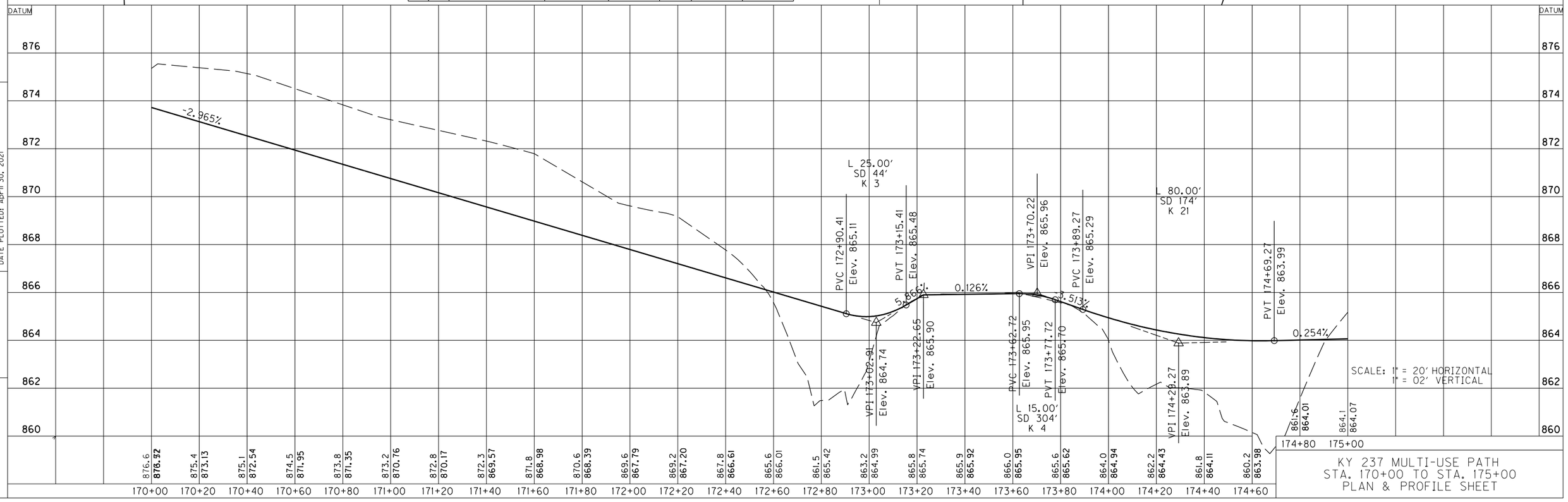
* WATER BLAST 18 LF EXISTING DBL YELLOW STRIPE
* WATER BLAST 36 LF EXISTING WHITE EDGE LINE FOR PROPOSED CROSSWALK CROSSING
** REMOVAL OF 28 LF EXISTING STOP BAR

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
170+00 - 173+05	338
173+99 - 175+00	113

SCALE: 1"=20'

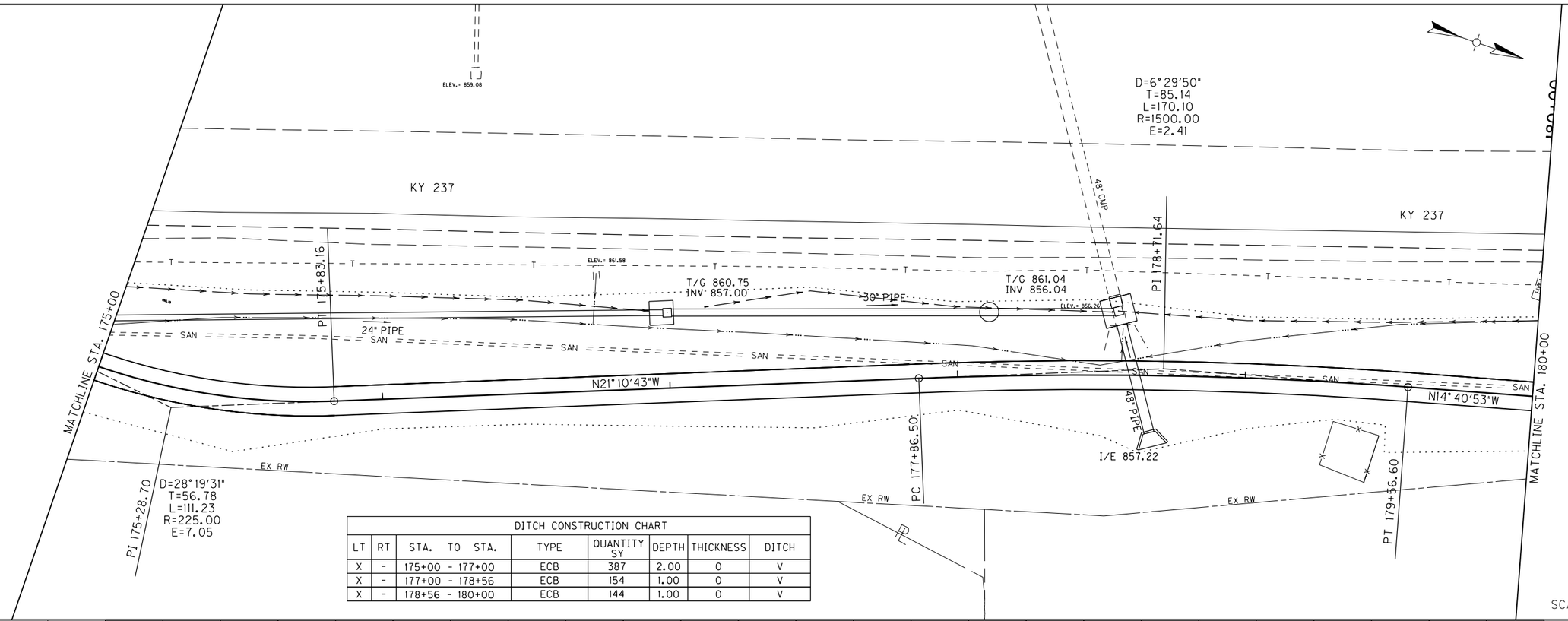
DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	173+05 to 173+28	42	14 SY
X	-	173+94 to 173+98	25	7 SY

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	170+00 - 172+50	ECB	194	1.00	0	V
X	-	174+50 - 175+00	TURF REINF	77	1.00	0	V



FILE NAME: C:\PW_WORKDIR\DMS488II\R17.DGN
USER: Josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

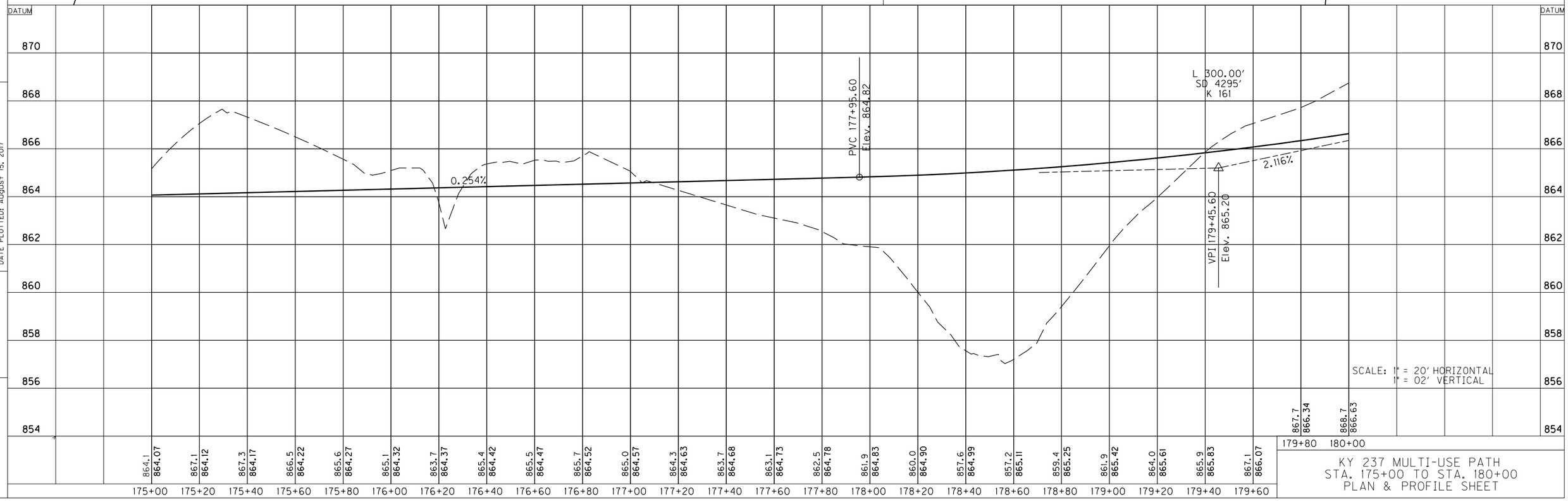
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R18



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	175+00 - 177+00	ECB	387	2.00	0	V
X	-	177+00 - 178+56	ECB	154	1.00	0	V
X	-	178+56 - 180+00	ECB	144	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
175+00 - 180+00	556

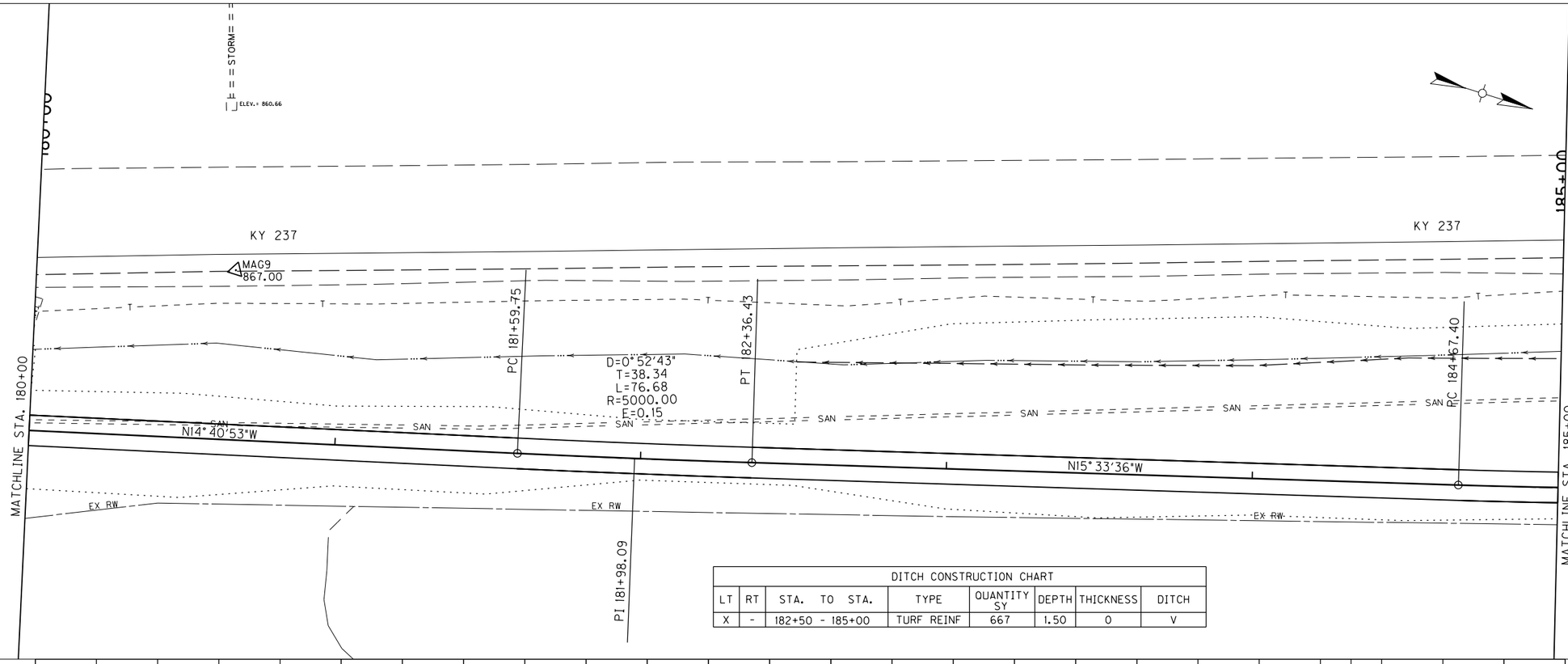
SCALE: 1"=20'



KY 237 MULTI-USE PATH
STA. 175+00 TO STA. 180+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R18.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

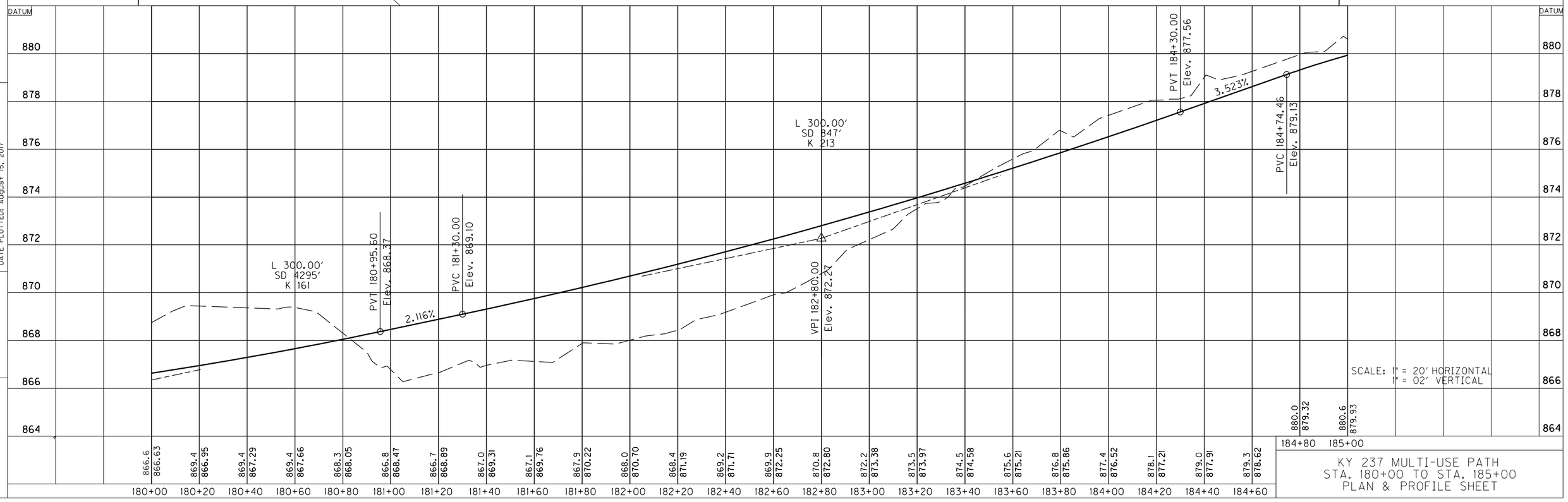
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R19



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	182+50 - 185+00	TURF REINF	667	1.50	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
180+00 - 185+00	556

SCALE: 1"=20'

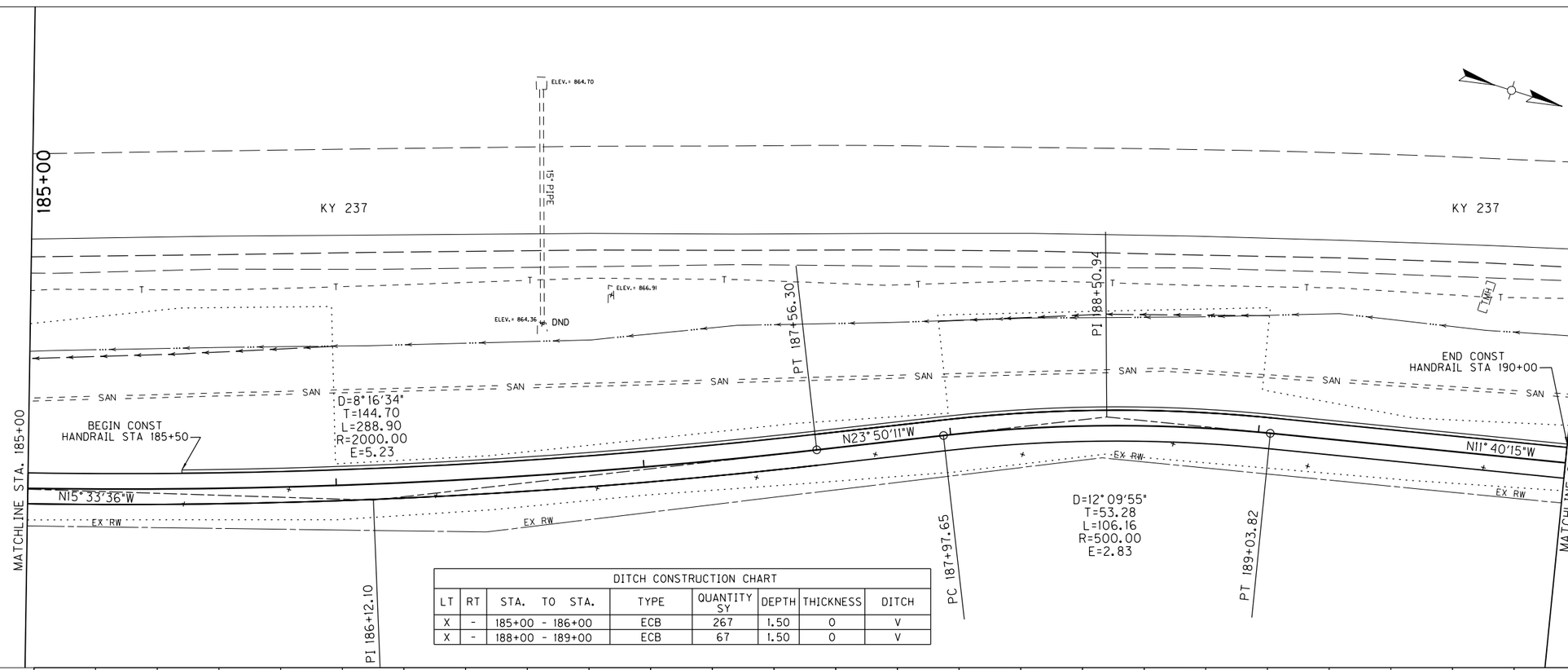


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 180+00 TO STA. 185+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R19.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R20

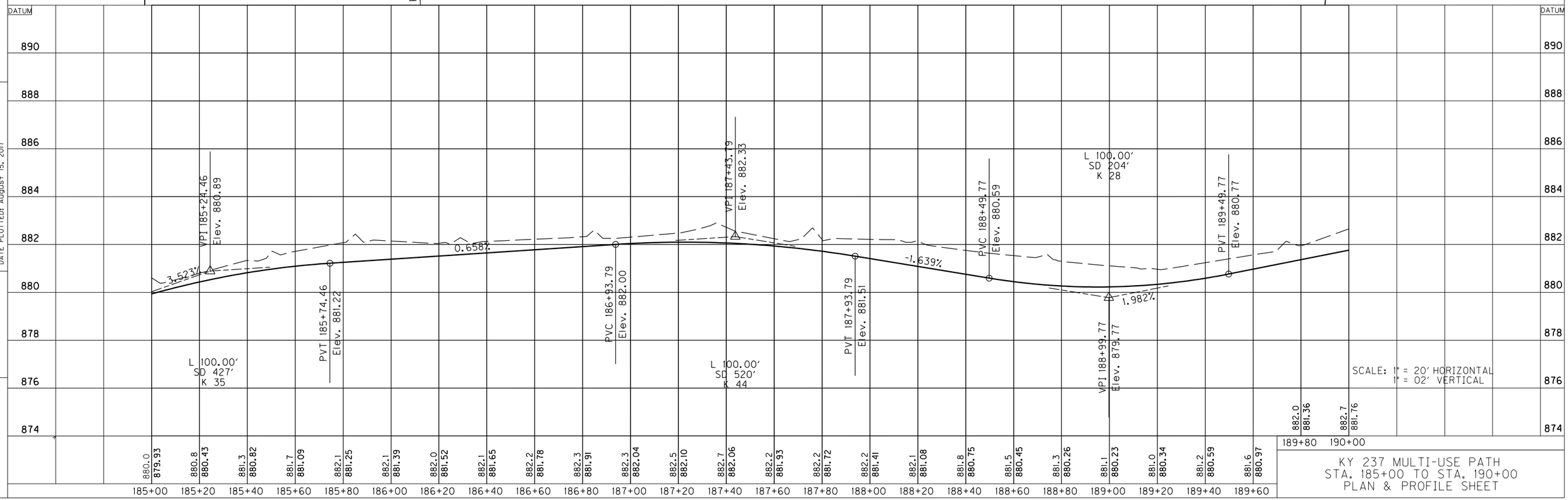


DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	185+00 - 186+00	ECB	267	1.50	0	V
X	-	188+00 - 189+00	ECB	67	1.50	0	V

CONSTRUCT HANDRAIL	
STATION TO STATION	LF
185+50 - 190+00 LT	450

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
185+00 - 190+00	556

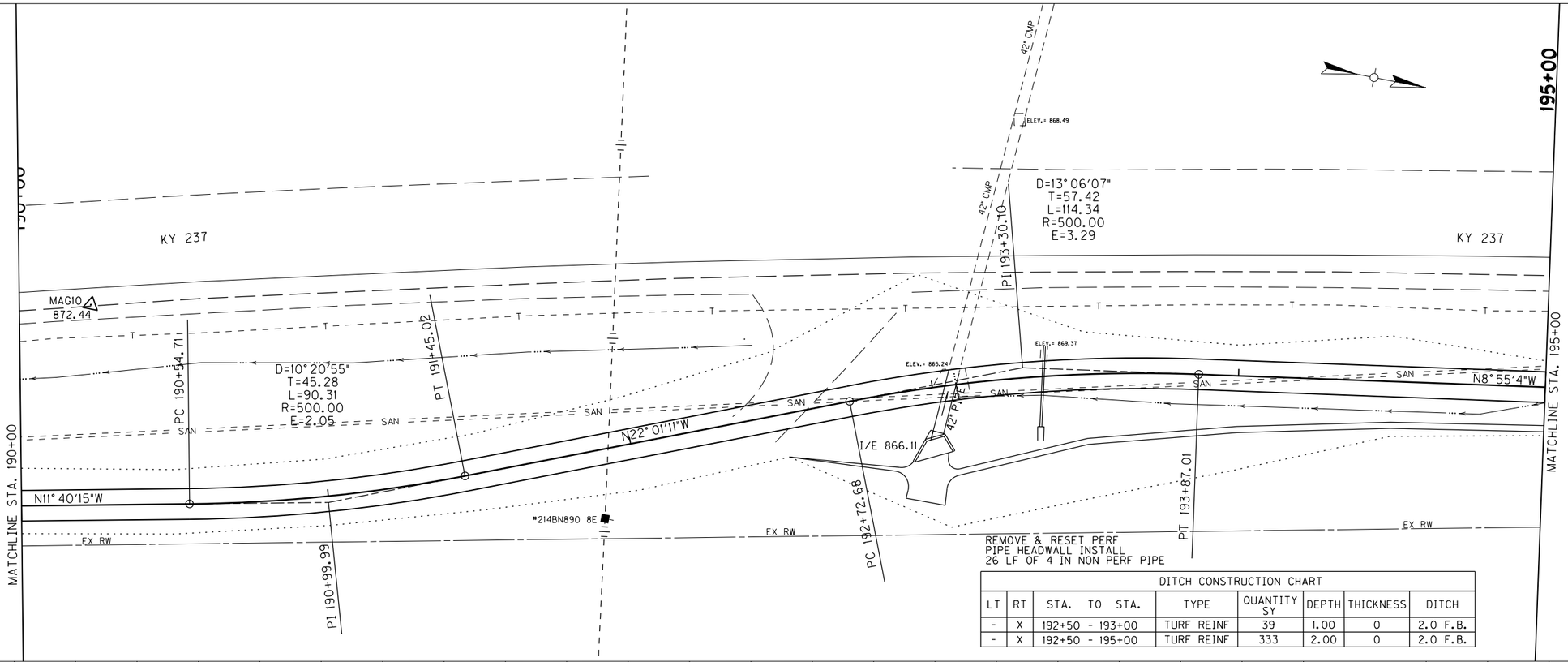
SCALE: 1"=20'



KY 237 MULTI-USE PATH
STA. 185+00 TO STA. 190+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R20.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

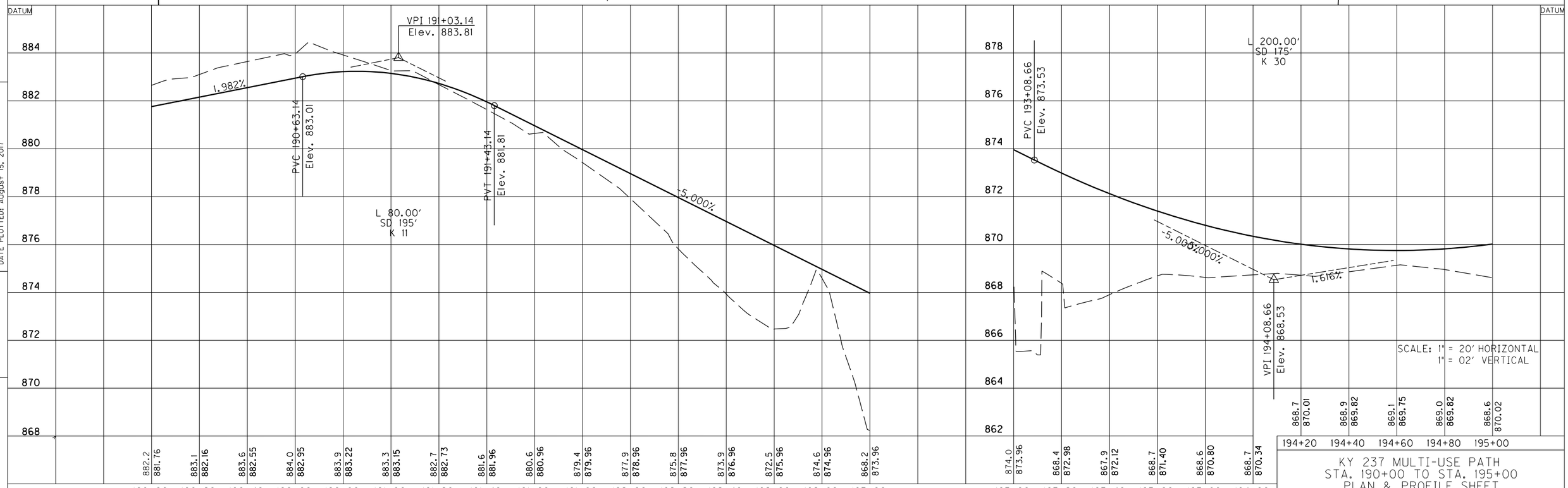
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R21



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	192+50 - 193+00	TURF REINF	39	1.00	0	2.0 F.B.
-	X	192+50 - 195+00	TURF REINF	333	2.00	0	2.0 F.B.

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
190+00 - 195+00	556

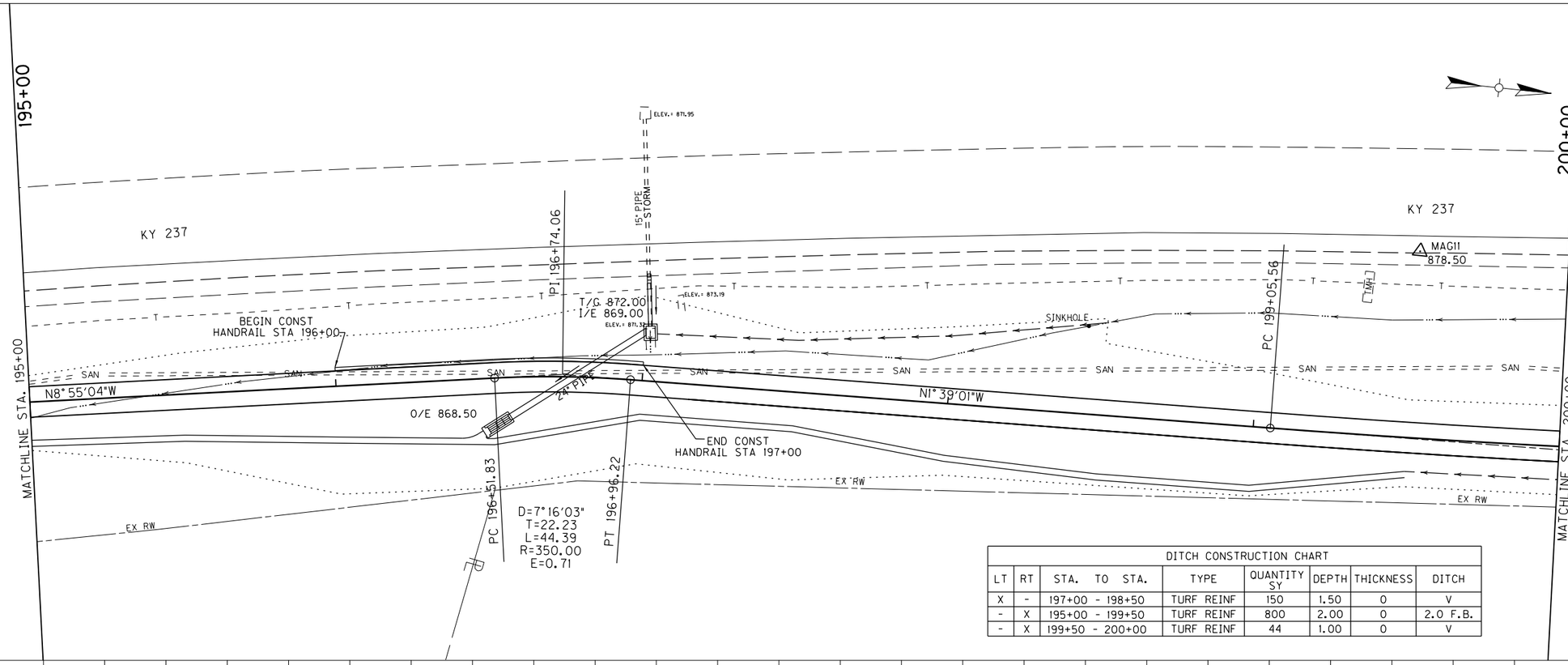
SCALE: 1"=20'



KY 237 MULTI-USE PATH
STA. 190+00 TO STA. 195+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R21.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

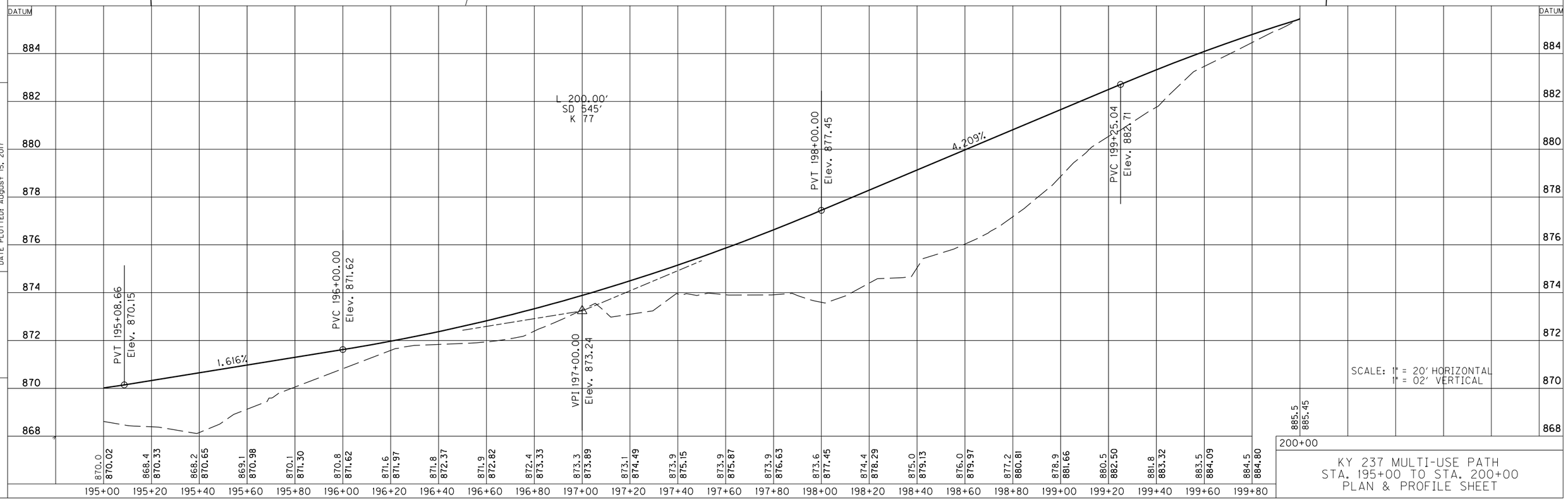
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R22



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	197+00 - 198+50	TURF REINF	150	1.50	0	V
-	X	195+00 - 199+50	TURF REINF	800	2.00	0	2.0 F.B.
-	X	199+50 - 200+00	TURF REINF	44	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
195+00 - 200+00	556

SCALE: 1"=20'

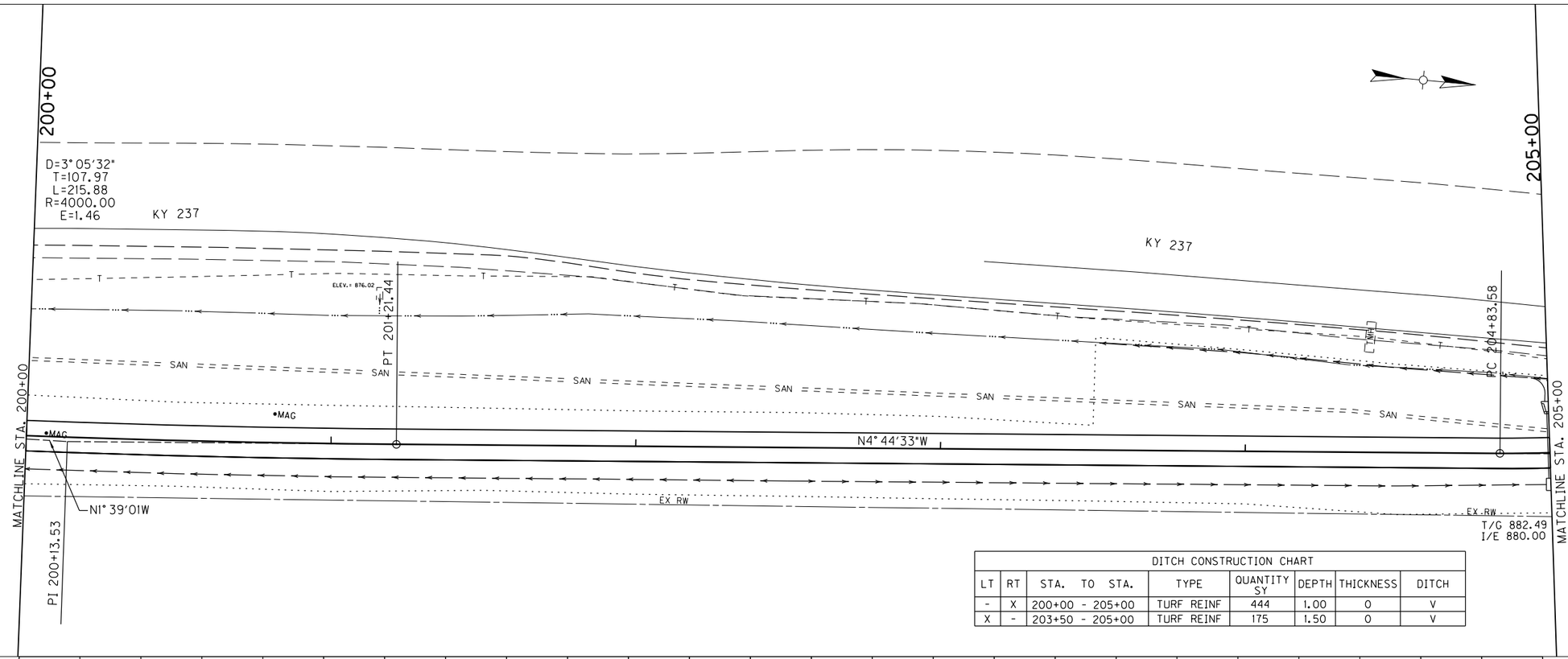


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 195+00 TO STA. 200+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R22.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

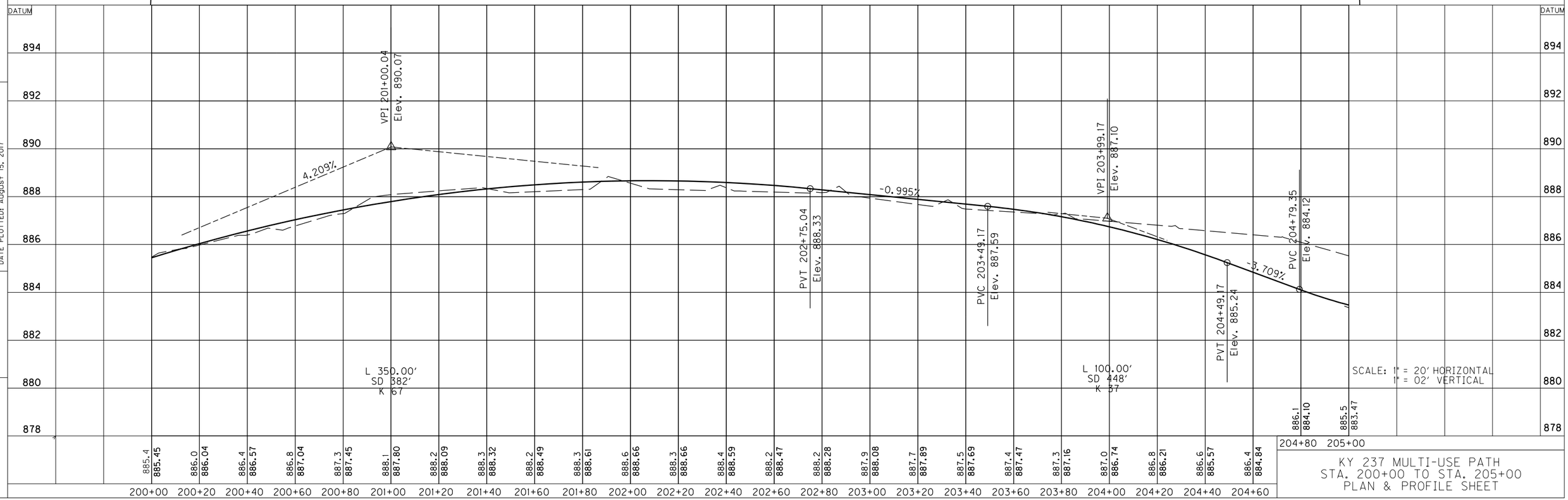
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R23



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	200+00 - 205+00	TURF REINF	444	1.00	0	V
X	-	203+50 - 205+00	TURF REINF	175	1.50	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
200+00 - 205+00	556

SCALE: 1"=20'

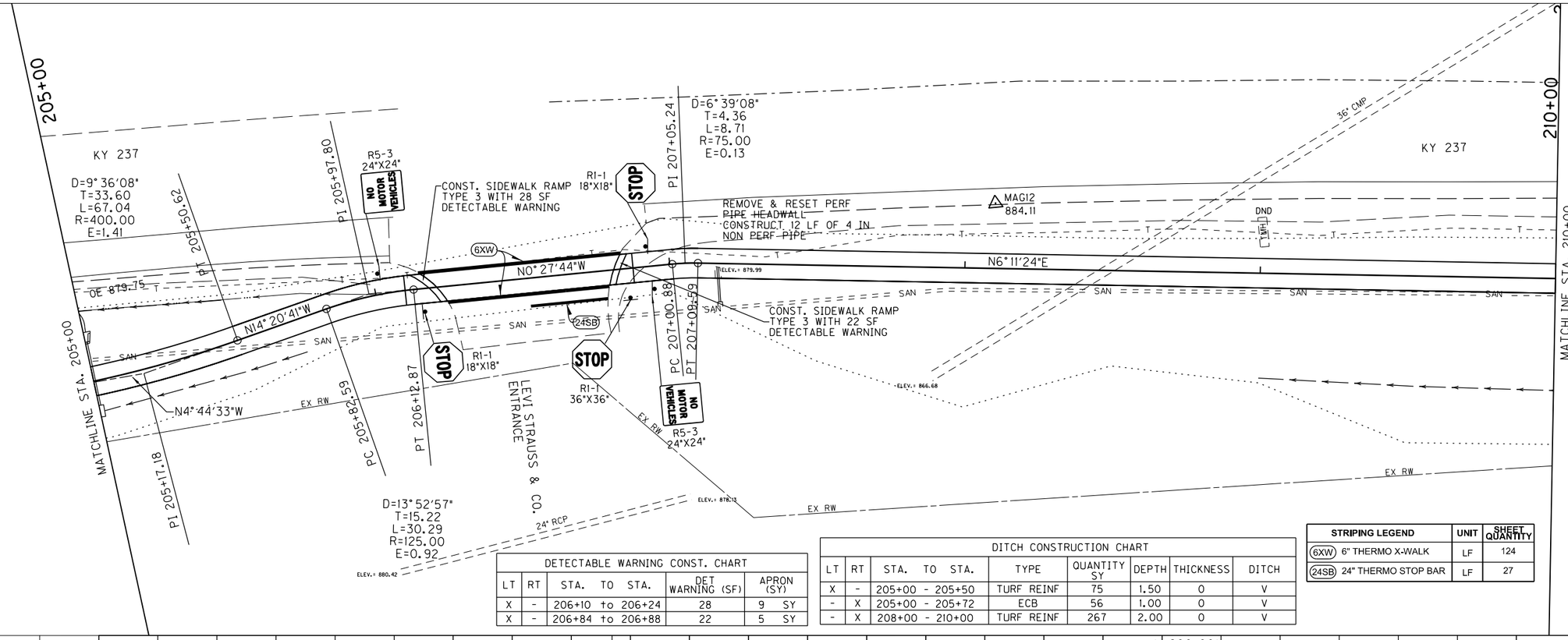


SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 200+00 TO STA. 205+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS488111\R23.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R24



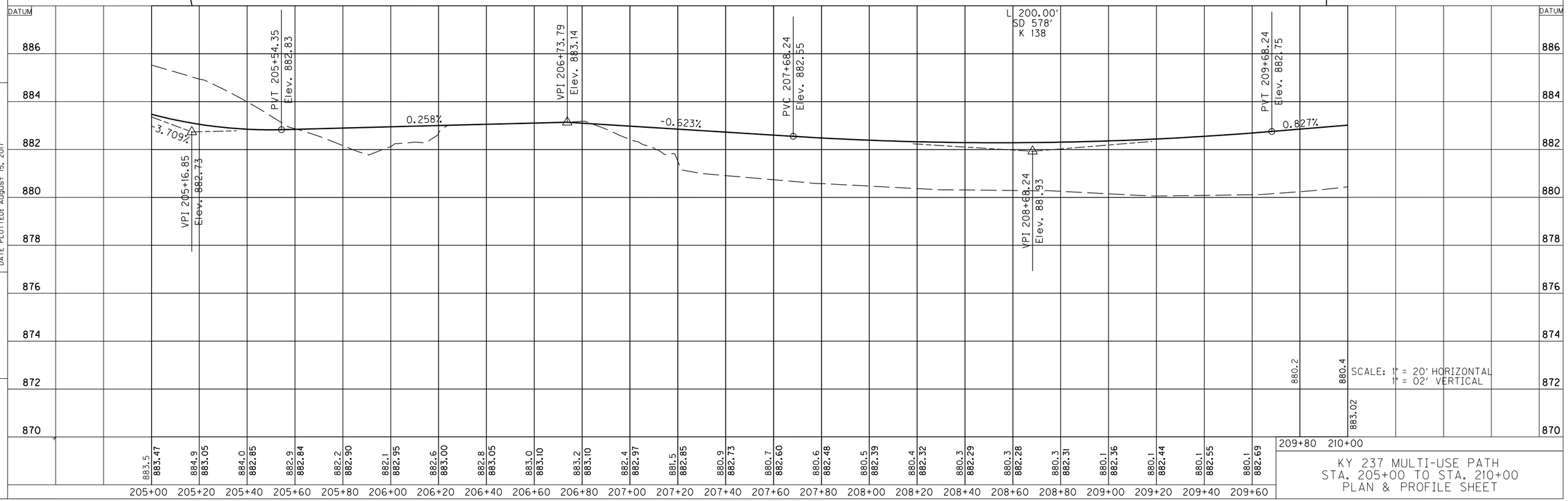
SCALE: 1"=20'

DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	206+10 to 206+24	28	9 SY
X	-	206+84 to 206+88	22	5 SY

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	205+00 - 205+50	TURF REINF	75	1.50	0	V
-	X	205+00 - 205+72	ECB	56	1.00	0	V
-	X	208+00 - 210+00	TURF REINF	267	2.00	0	V

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	124
(24SB) 24" THERMO STOP BAR	LF	27

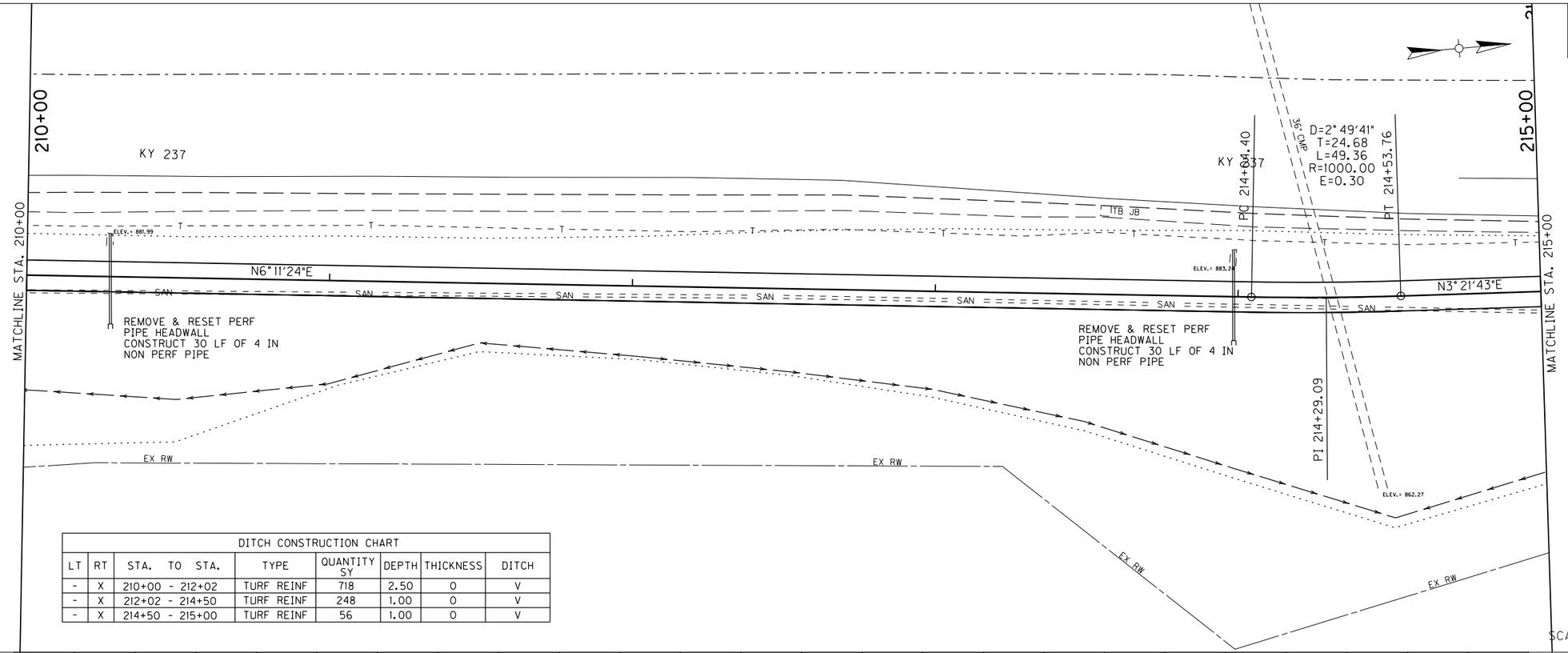
CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
205+00 - 206+10	122
206+87 - 210+00	347



KY 237 MULTI-USE PATH
STA. 205+00 TO STA. 210+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R24.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

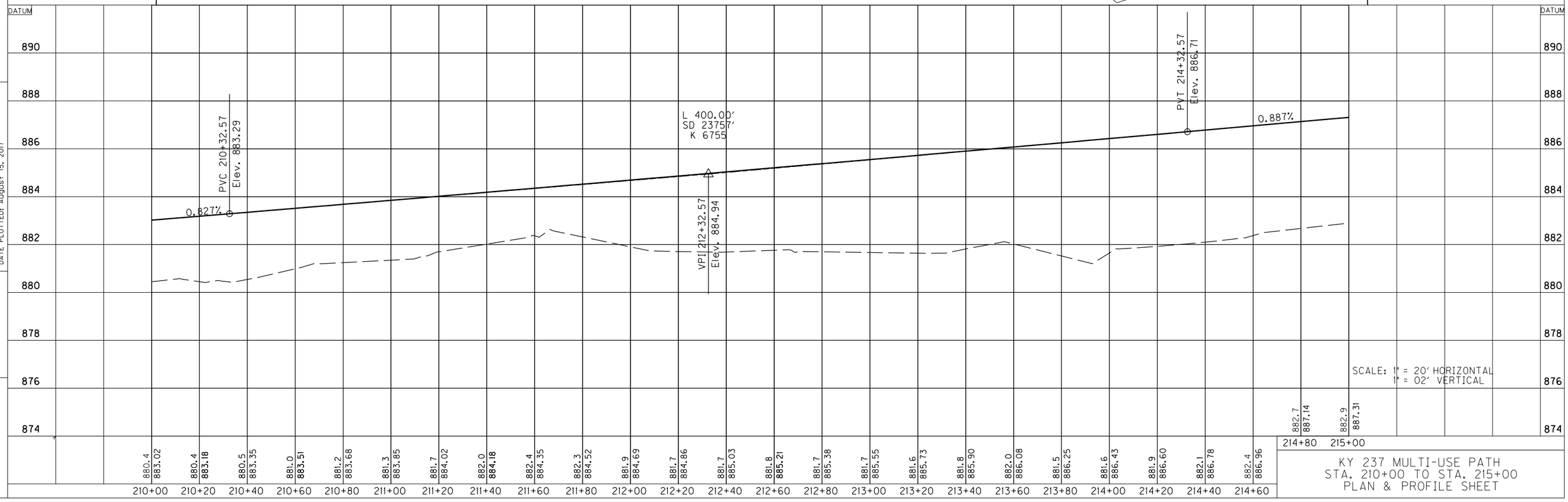
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R25



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	210+00 - 212+02	TURF REINF	718	2.50	0	V
-	X	212+02 - 214+50	TURF REINF	248	1.00	0	V
-	X	214+50 - 215+00	TURF REINF	56	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
210+00 - 215+00	556

SCALE: 1"=20'



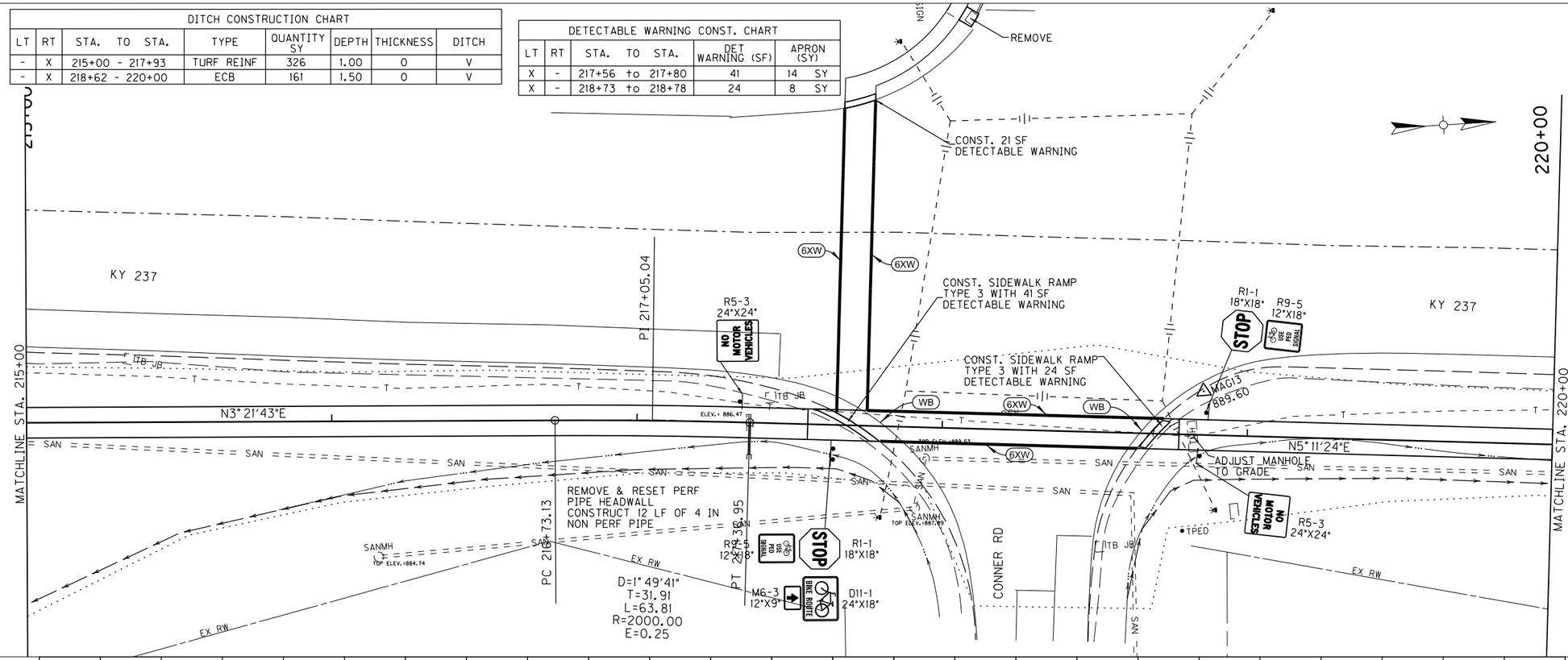
KY 237 MULTI-USE PATH
STA. 210+00 TO STA. 215+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS488111\R25.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	215+00 - 217+93	TURF REINF	326	1.00	0	V
-	X	218+62 - 220+00	ECB	161	1.50	0	V

DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	217+56 to 217+80	41	14 SY
X	-	218+73 to 218+78	24	8 SY

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R26

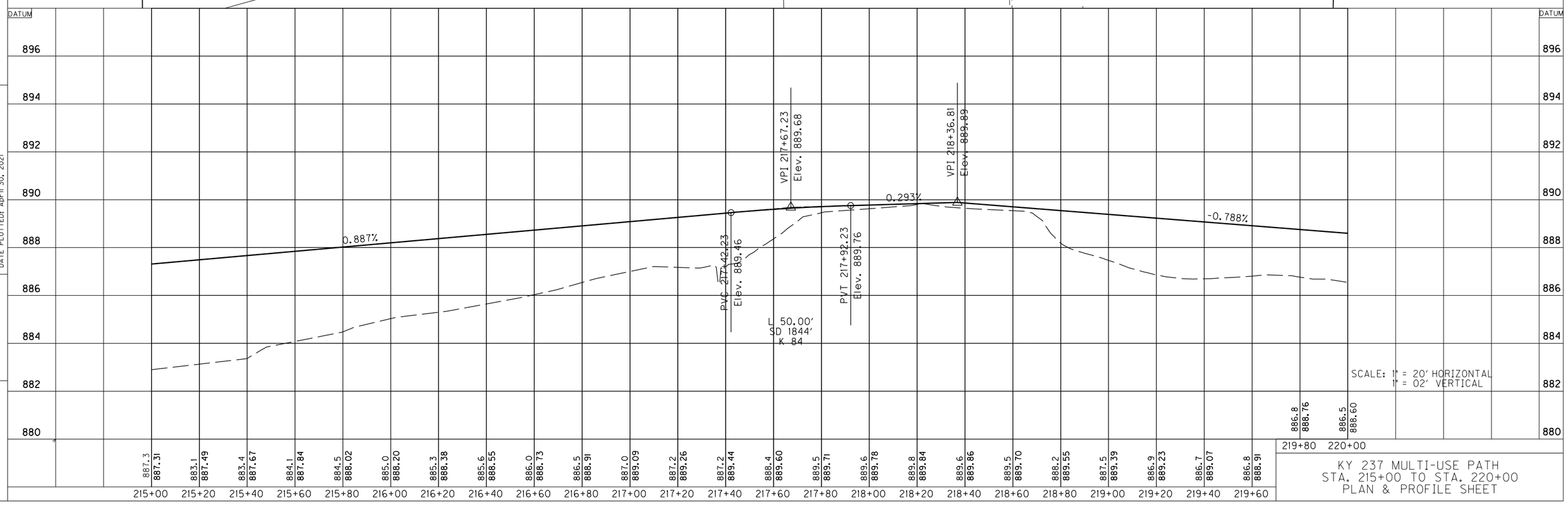


STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	385
(WB) WATER BLASTING EXISTING STRIPE*	LF	39

* WATER BLAST 39 LF EXISTING WHITE EDGE LINE FOR PROPOSED CROSSWALK CROSSING

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
215+00 - 217+56	284
218+78 - 220+00	136

SCALE: 1"=20'

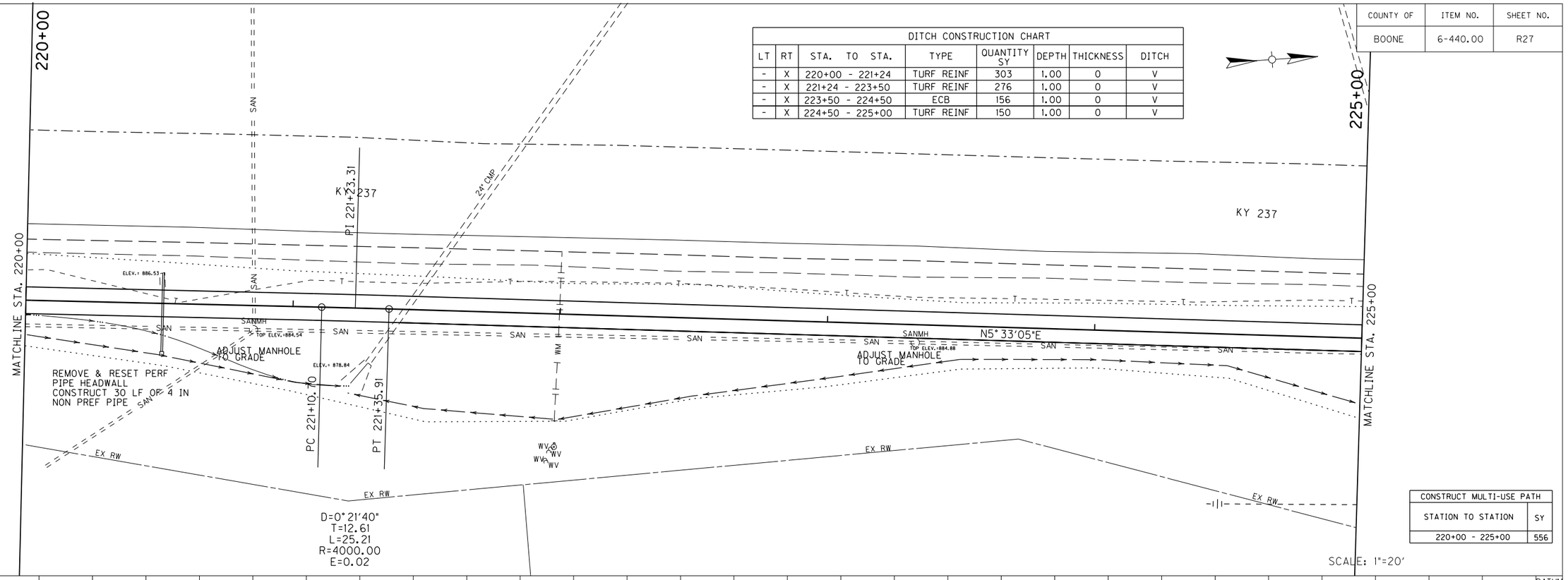


KY 237 MULTI-USE PATH
STA. 215+00 TO STA. 220+00
PLAN & PROFILE SHEET

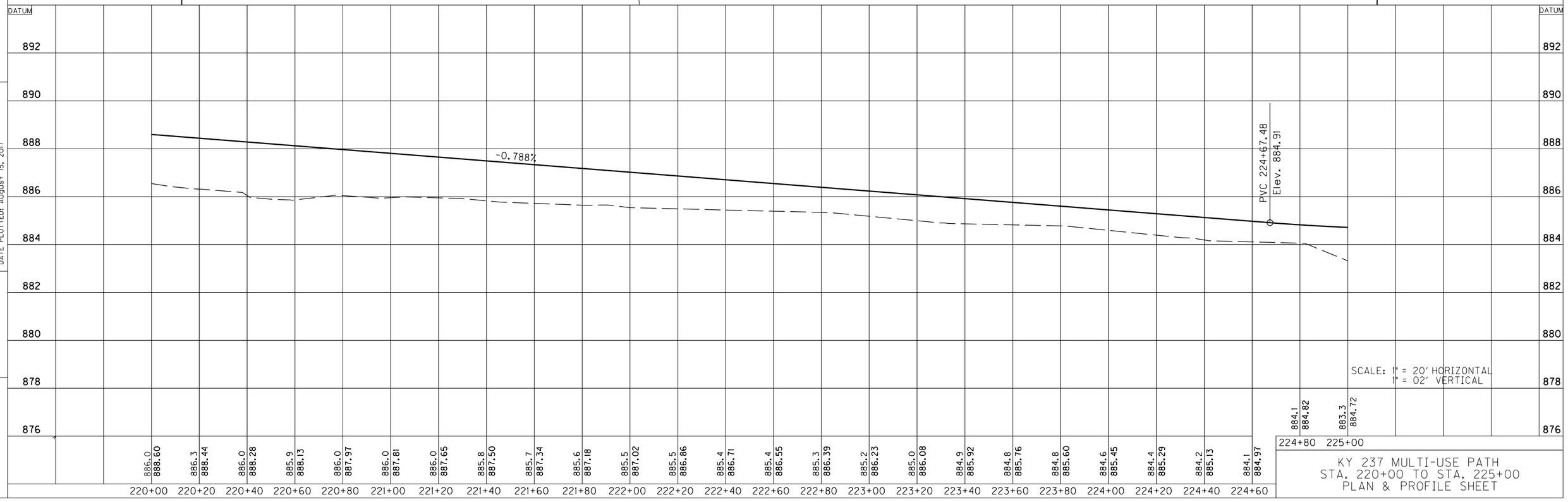
FILE NAME: C:\PW_WORKDIR\DMS48811\R26.DGN
USER: Josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R27

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	220+00 - 221+24	TURF REINF	303	1.00	0	V
-	X	221+24 - 223+50	TURF REINF	276	1.00	0	V
-	X	223+50 - 224+50	ECB	156	1.00	0	V
-	X	224+50 - 225+00	TURF REINF	150	1.00	0	V



CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
220+00 - 225+00	556

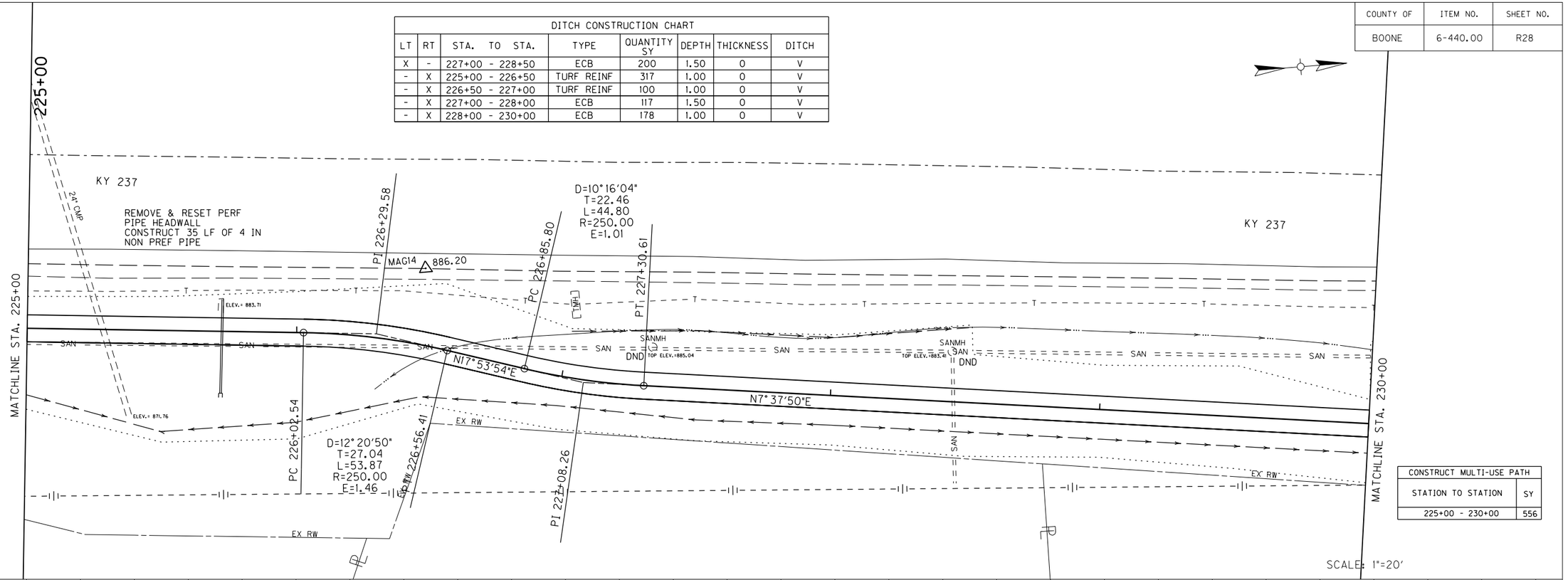


KY 237 MULTI-USE PATH
STA. 220+00 TO STA. 225+00
PLAN & PROFILE SHEET

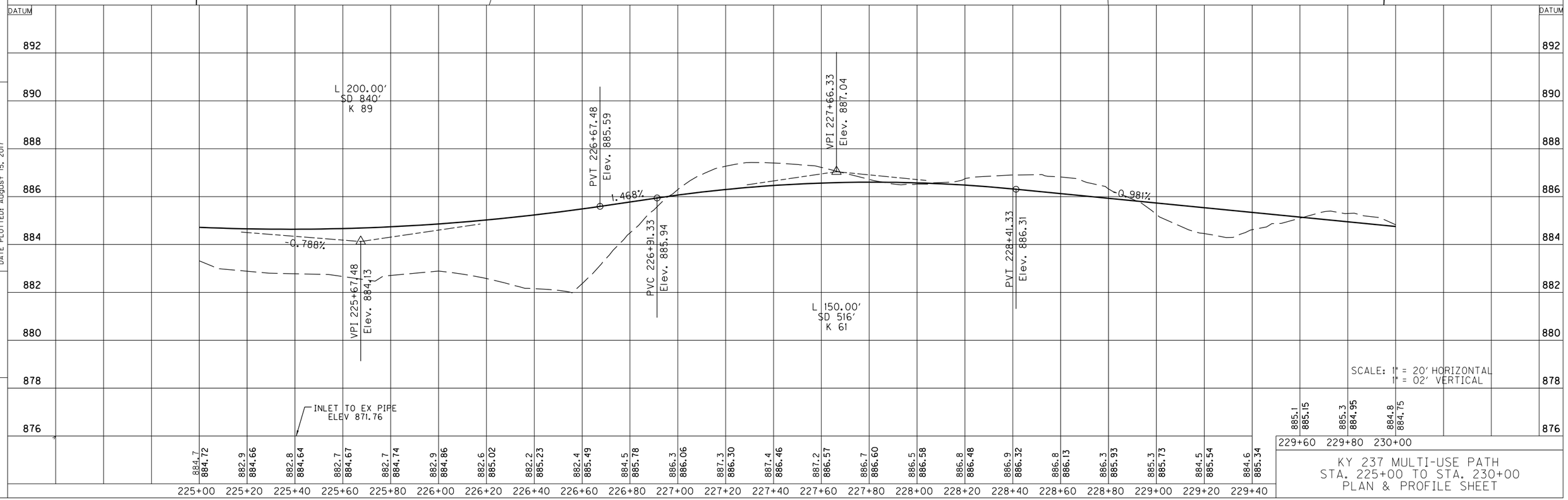
FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS488111\R27.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R28

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	227+00 - 228+50	ECB	200	1.50	0	V
-	X	225+00 - 226+50	TURF REINF	317	1.00	0	V
-	X	226+50 - 227+00	TURF REINF	100	1.00	0	V
-	X	227+00 - 228+00	ECB	117	1.50	0	V
-	X	228+00 - 230+00	ECB	178	1.00	0	V



CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
225+00 - 230+00	556



KY 237 MULTI-USE PATH
STA. 225+00 TO STA. 230+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS488111\R28 DGN.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	232+39 to 232+56	29	9 SY
X	-	233+10 to 233+14	23	6 SY

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
230+00 - 232+39	265
233+14 - 235+00	206

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	355
(WB) WATER BLASTING EXISTING STRIPE*	LF	263
(PMR) PAVEMENT MARKING REMOVAL **	SQFT	5

* WATER BLAST 10 LF EXISTING WHITE EDGE LINE FOR PROPOSED CROSSWALK CROSSING

** REMOVAL OF 10 LF EXISTING CROSSWALK

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R29

DITCH CONSTRUCTION CHART								
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH	
X	-	230+00 - 231+20	ECB	280	1.50	0	V	
X	-	231+20 - 232+00	ECB	71	1.00	0	V	
-	X	230+00 - 232+12	TURF REINF	330	1.00	0	V	
-	X	234+00 - 235+00	TURF REINF	189	1.00	0	4.0 F.B.	

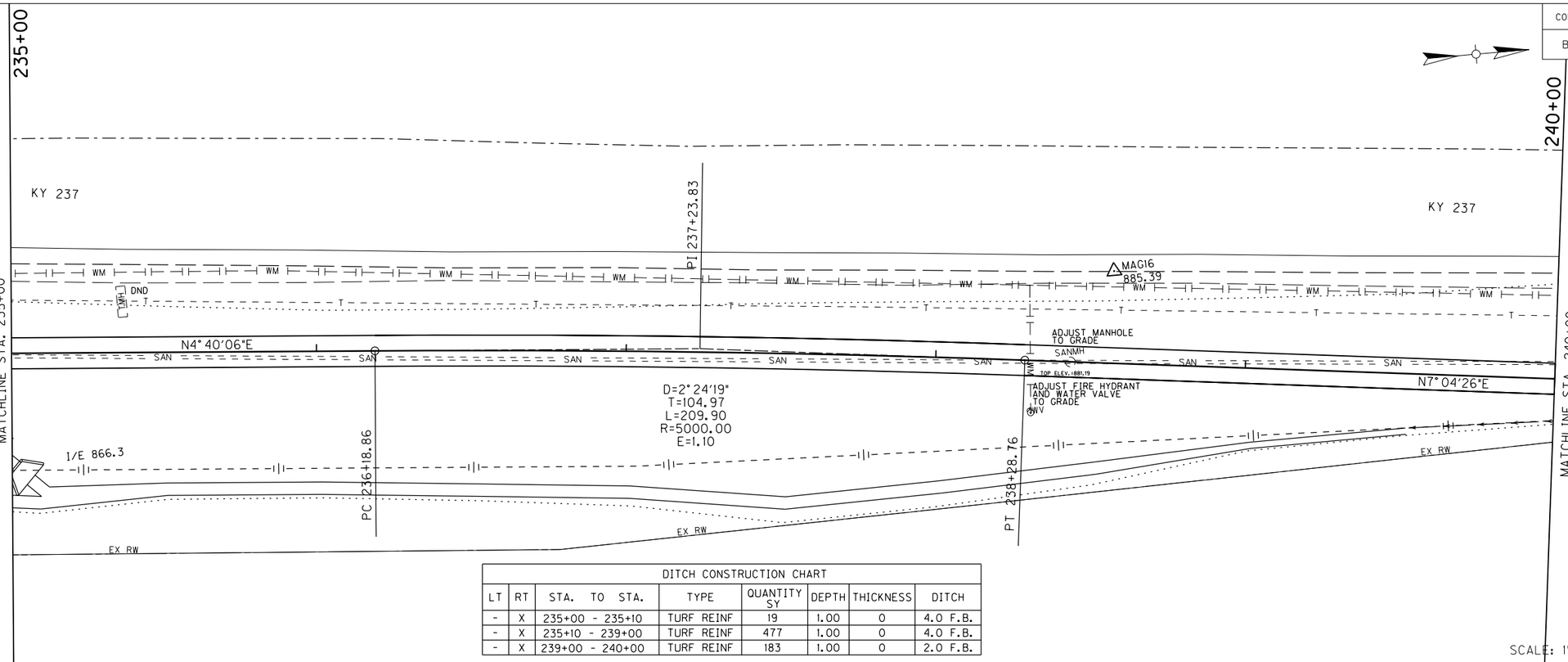
SCALE: 1"=20'

SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

KY 237 MULTI-USE PATH
STA. 230+00 TO STA. 235+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R29.DGN
USER: Josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

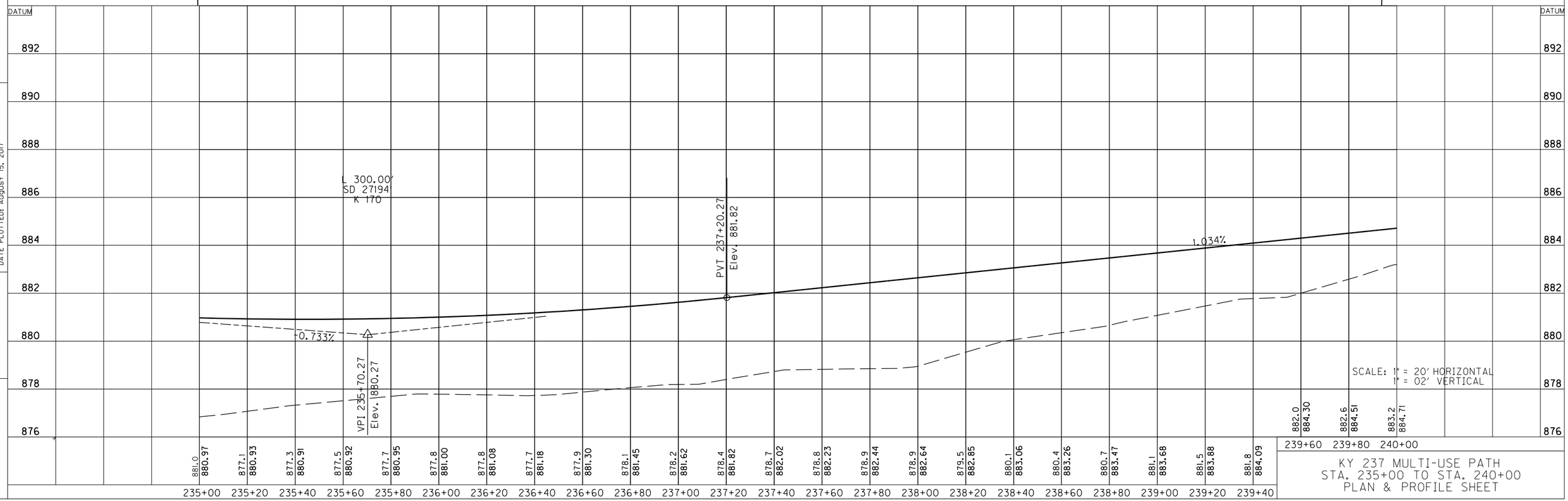
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R30



DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
-	X	235+00 - 235+10	TURF REINF	19	1.00	0	4.0 F.B.
-	X	235+10 - 239+00	TURF REINF	477	1.00	0	4.0 F.B.
-	X	239+00 - 240+00	TURF REINF	183	1.00	0	2.0 F.B.

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
235+00 - 240+00	556

SCALE: 1"=20'



KY 237 MULTI-USE PATH
STA. 235+00 TO STA. 240+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS488111\R30.DGN
USER: stephen
DATE PLOTTED: August 15, 2017
E-SHEET NAME:
Power InRoads v8.11.9.397

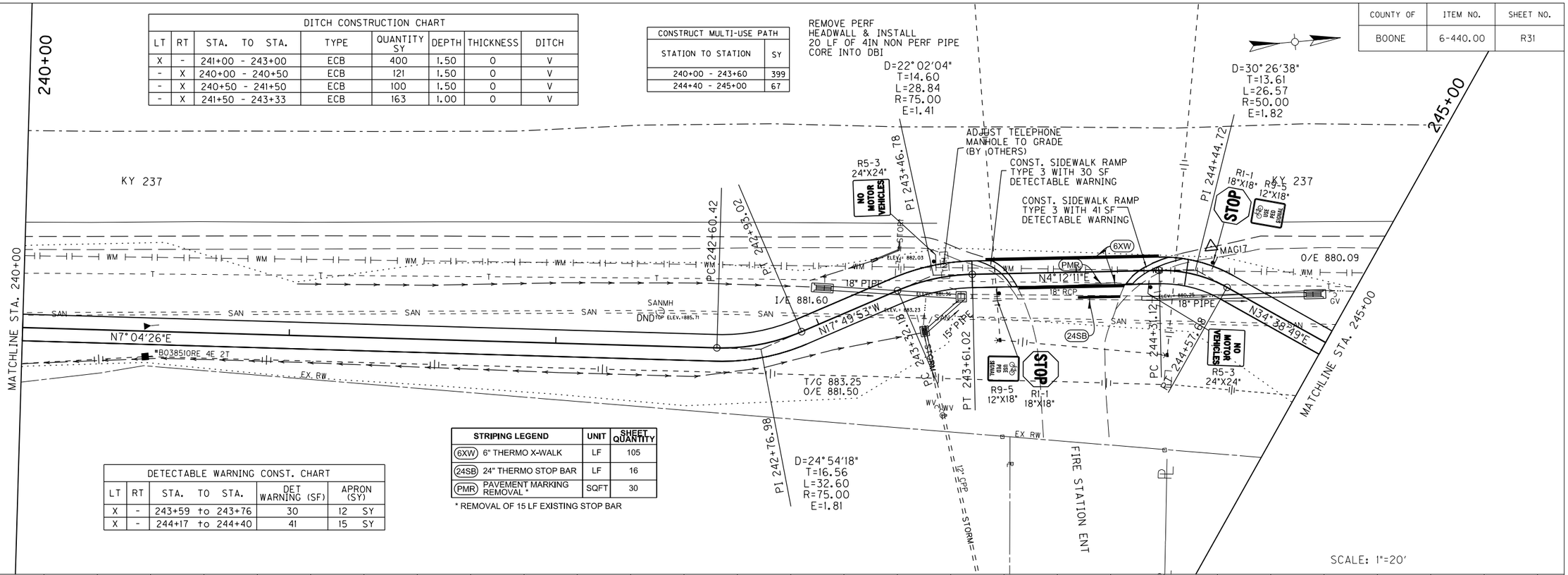
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R31

DITCH CONSTRUCTION CHART

LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	241+00 - 243+00	ECB	400	1.50	0	V
-	X	240+00 - 240+50	ECB	121	1.50	0	V
-	X	240+50 - 241+50	ECB	100	1.50	0	V
-	X	241+50 - 243+33	ECB	163	1.00	0	V

CONSTRUCT MULTI-USE PATH

STATION TO STATION	SY
240+00 - 243+60	399
244+40 - 245+00	67

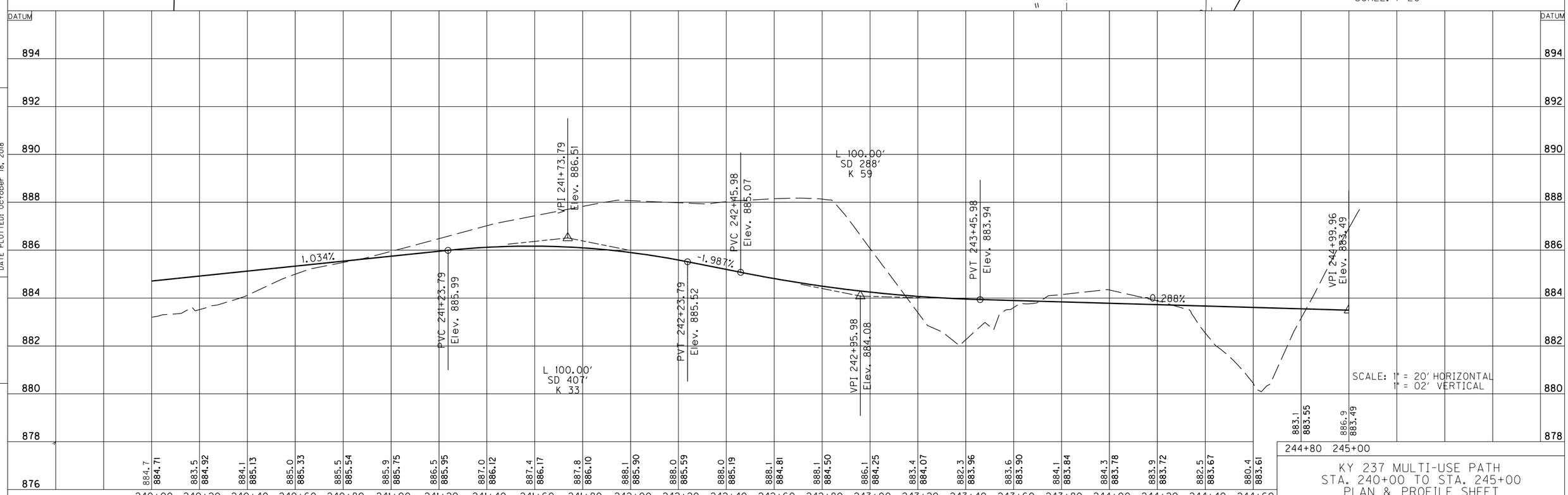


STRIPING LEGEND		UNIT	SHEET QUANTITY
6XW	6" THERMO X-WALK	LF	105
24SB	24" THERMO STOP BAR	LF	16
PMR	PAVEMENT MARKING REMOVAL *	SQFT	30

* REMOVAL OF 15 LF EXISTING STOP BAR

DETECTABLE WARNING CONST. CHART

LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
X	-	243+59 to 243+76	30	12 SY
X	-	244+17 to 244+40	41	15 SY



KY 237 MULTI-USE PATH
STA. 240+00 TO STA. 245+00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS48811\R31.DGN
USER: stephen
DATE PLOTTED: October 18, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R32

DITCH CONSTRUCTION CHART							
LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	249+50 - 250+00	TURF REINF	86	1.00	0	V

CONSTRUCT MULTI-USE PATH	
STATION TO STATION	SY
245+00 - 250+00	556

245+00

D=28°18'34"
T=18.92
L=37.06
R=75.00
E=2.35

KY 237

250+00

PC 245+06.49

PT 245+43.55

PC 249+72.49

MATCHLINE STA. 245+00

MATCHLINE STA. 250+00

WM

T

SAN

SANMH TOP ELEV.=884.85
DND

N6°20'15"E

EX RW

PI 245+25.41

SCALE: 1"=20'

DATUM

888
886
884
882
880
878
876
874
872

-0.56%

PVC 246+75.78
Elev. 882.50

VPI 247+75.78
Elev. 881.94

PVT 248+75.78
Elev. 878.12

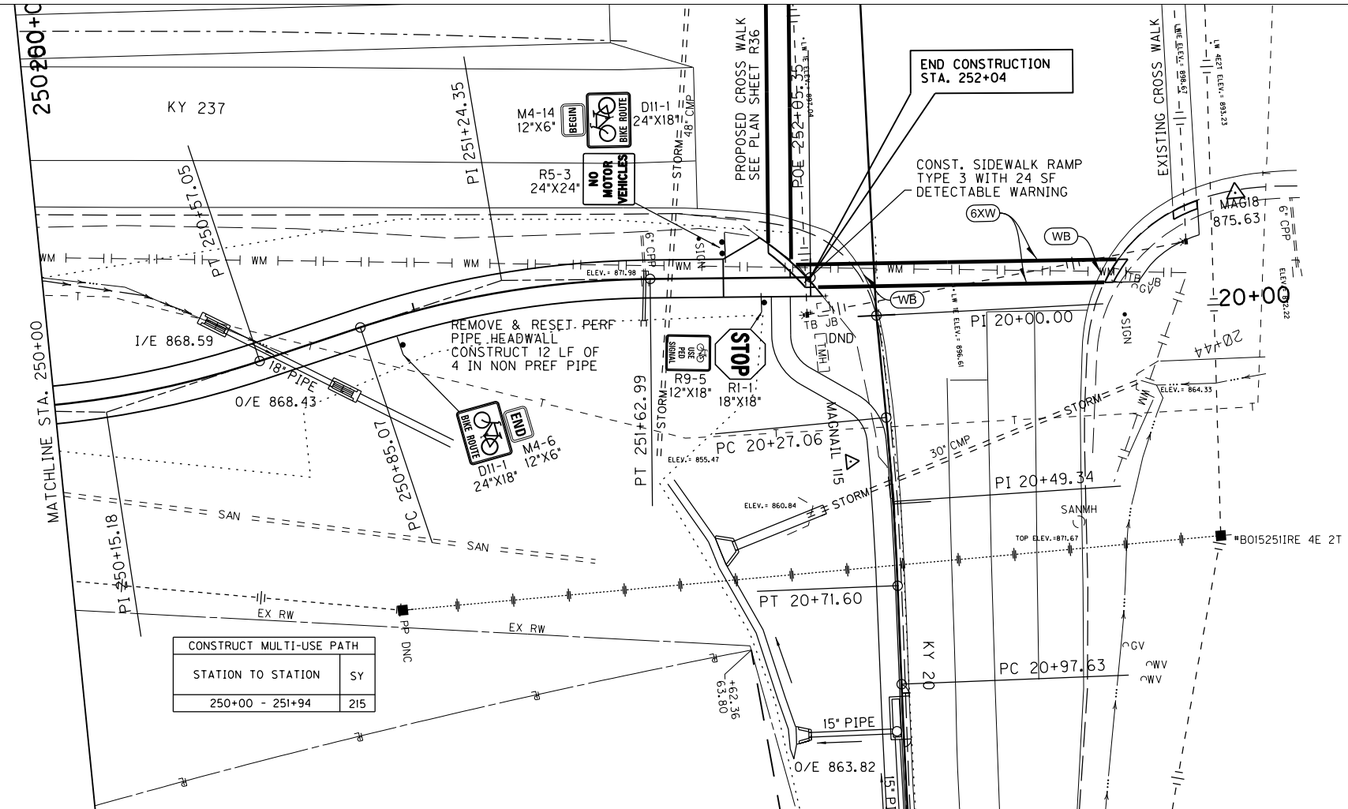
-3.81%

L 200.00'
SD 432'
K 61

SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

| | | | | | | |

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R33



DETECTABLE WARNING CONST. CHART

LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
-	x	251+94 to 252+04	24	9 SY

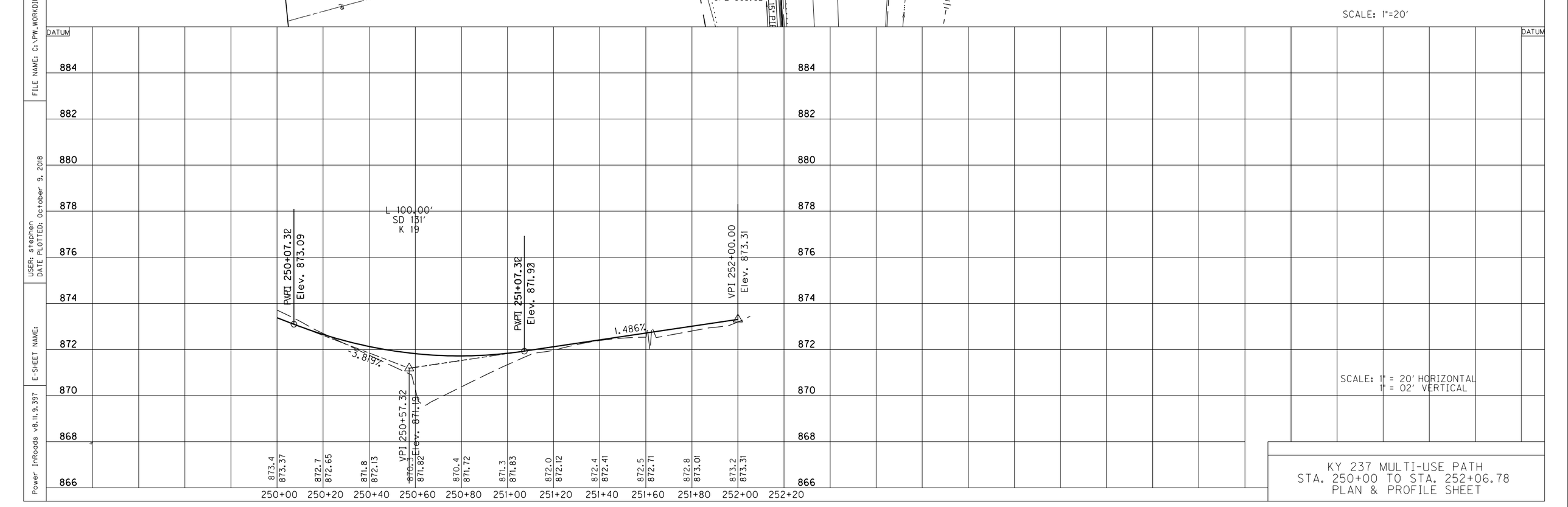
DITCH CONSTRUCTION CHART

LT	RT	STA. TO STA.	TYPE	QUANTITY SY	DEPTH	THICKNESS	DITCH
X	-	250+00 - 250+52	TURF REINF	35	1.00	0	V

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	161
(WB) WATER BLASTING EXISTING STRIPE*	LF	20

* WATER BLAST 20 LF EXISTING WHITE EDGE LINE FOR PROPOSED CROSSWALK CROSSING

SCALE: 1"=20'



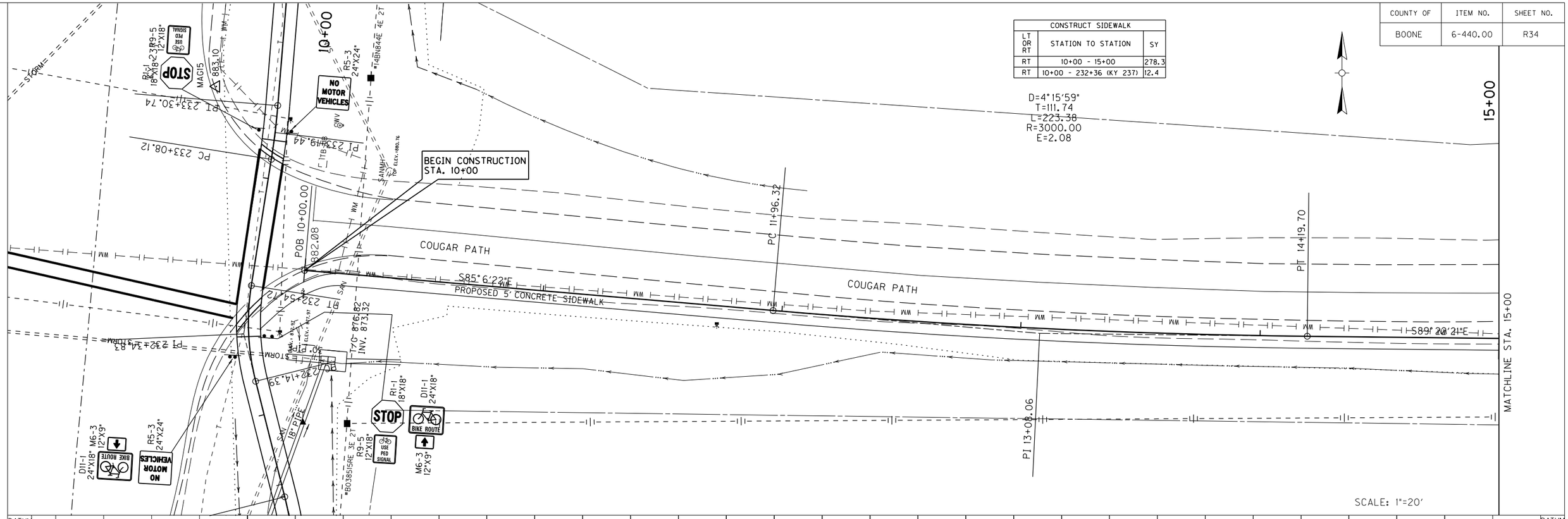
SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

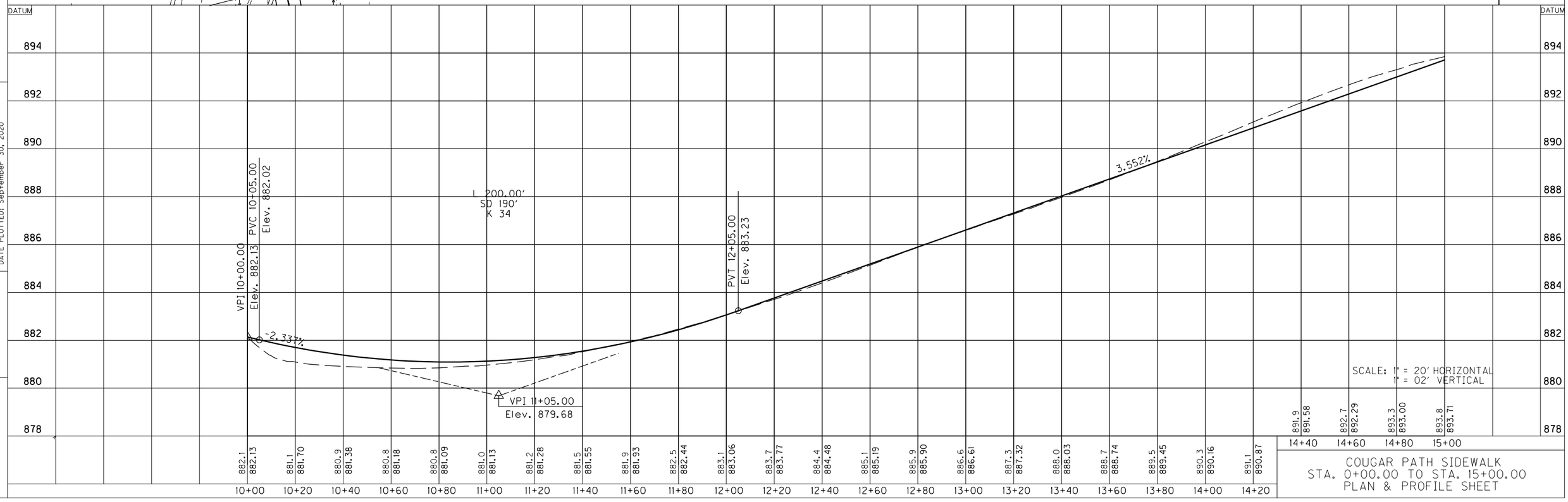
KY 237 MULTI-USE PATH
STA. 250+00 TO STA. 252+06.78
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R33.DGN
USER: stephen
DATE PLOTTED: October 9, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R34

CONSTRUCT SIDEWALK		
LT OR RT	STATION TO STATION	SY
RT	10+00 - 15+00	278.3
RT	10+00 - 232+36 (KY 237)	12.4





COUGAR PATH SIDEWALK
STA. 0+00.00 TO STA. 15+00.00
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS48811\R34_COUGAR SIDEWALK.DGN
USER: josh-c
DATE PLOTTED: September 30, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

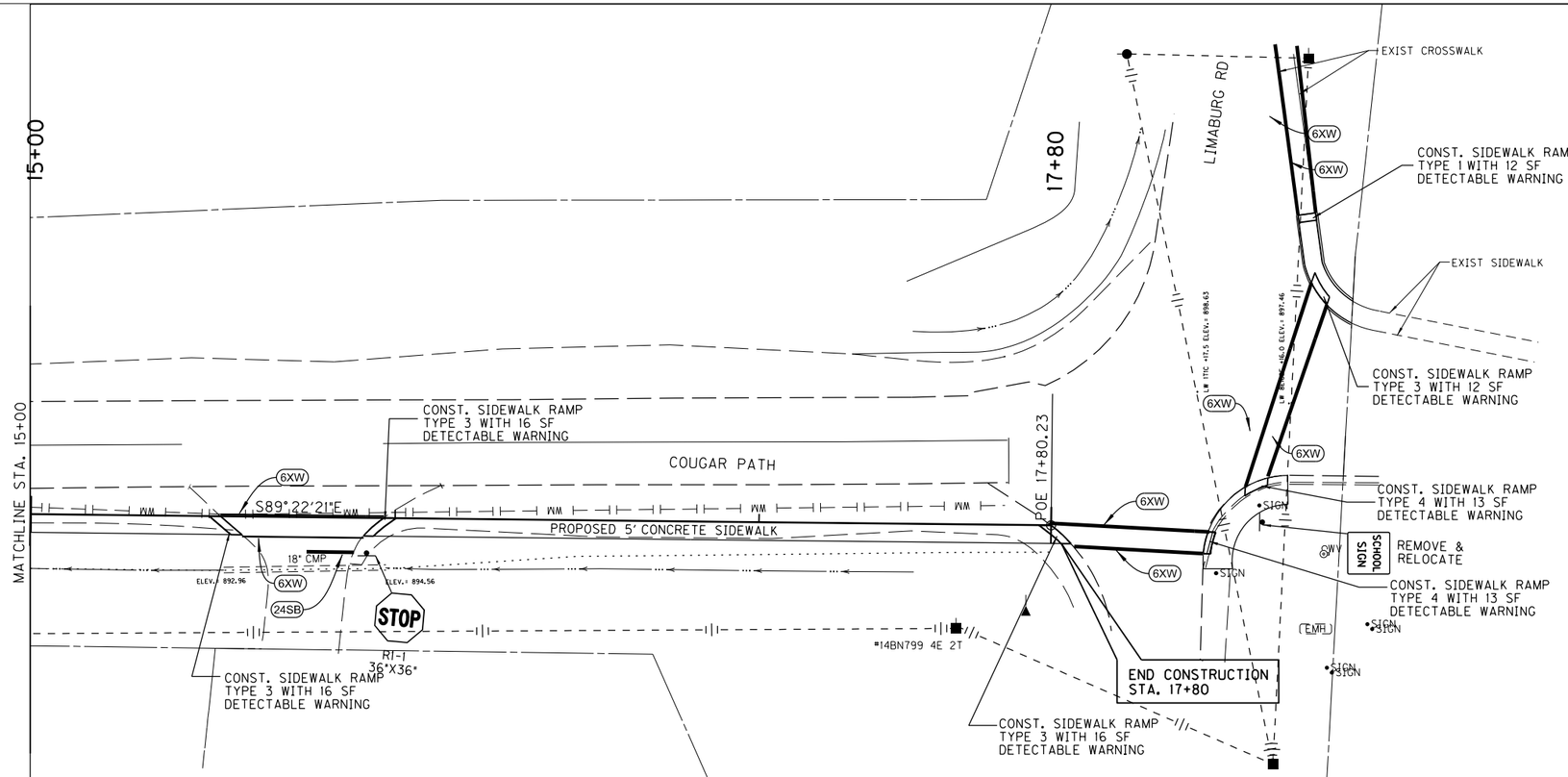
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R35

CONSTRUCT CURB & GUTTER (MOD)		
LT OR RT	STATION TO STATION	LF
LT	18+36.69 (MIDPOINT)	25
LT	18+52.17 (MIDPOINT)	12
LT	18+54.70 (MIDPOINT)	45

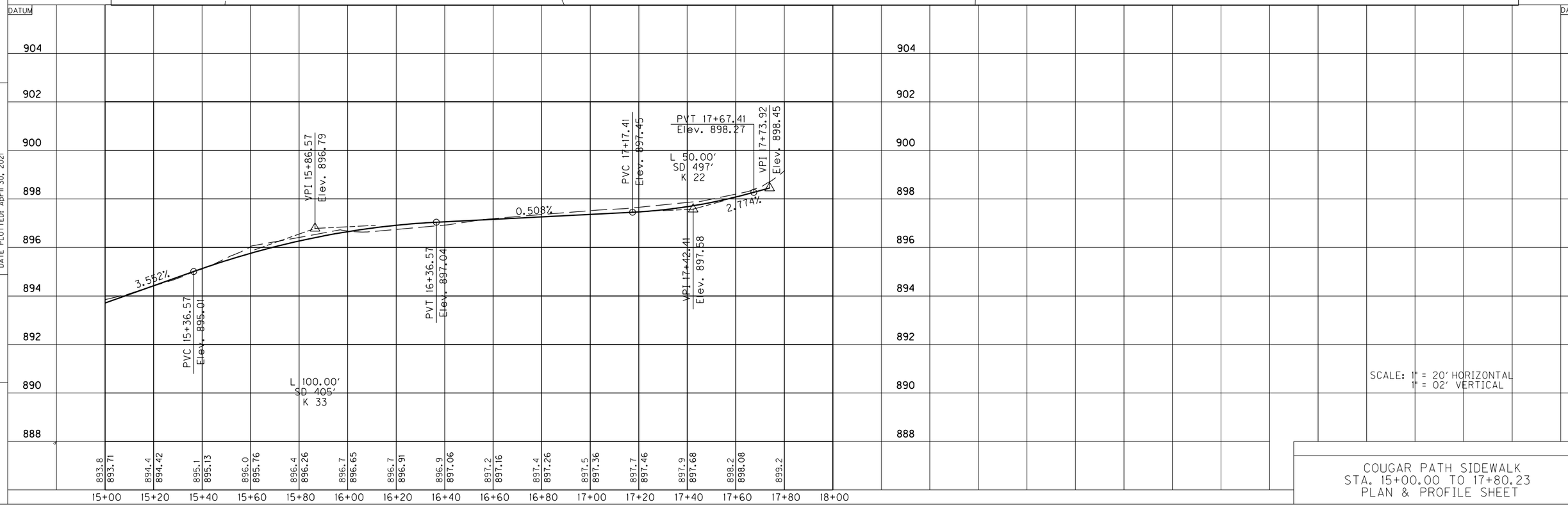
CONSTRUCT SIDEWALK		
LT OR RT	STATION TO STATION	SY
RT	15+00 - 15+52	31
RT	15+91 - 17+80	104
RT	18+36 (MIDPOINT)	29
LT	18+56 (MIDPOINT)	29

DETECTABLE WARNING CONST. CHART				
LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
-	x	15+49 to 15+58	16	- SY
-	x	15+91 to 16+00	16	- SY
-	x	17+77 to 17+86	16	- SY
-	x	18+25 (MIDPOINT)	13	- SY
-	x	18+42 (MIDPOINT)	13	- SY
X	-	18+39 (MIDPOINT)	15	- SY
X	-	18+40 (MIDPOINT)	9	- SY

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	364
(24SB) 24" THERMO STOP BAR	LF	13



SCALE: 1"=20'



SCALE: 1" = 20' HORIZONTAL
1" = 02' VERTICAL

COUGAR PATH SIDEWALK
STA. 15+00.00 TO 17+80.23
PLAN & PROFILE SHEET

FILE NAME: C:\PW_WORKDIR\DMS488II\R35_COUGAR SIDEWALK.DGN
USER: Josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoods v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R36

CONSTRUCT SIDEWALK		
LT OR RT	STATION TO STATION	SY
RT	15+66 - 18+81	178
RT	19+94 - 20+00	4
LT	18+64 - 18+81	21
LT	19+74 - 19+94	21

CONSTRUCT CURB AND GUTTER		
LT OR RT	STATION TO STATION	LF
RT	15+66 - 18+56	290
RT	18+61 - 18+77	20
RT	18+81 - 18+82	2

STRIPING LEGEND	UNIT	SHEET QUANTITY
(6XW) 6" THERMO X-WALK	LF	192

DETECTABLE WARNING CONST. CHART

LT	RT	STA. TO STA.	DET WARNING (SF)	APRON (SY)
-	X	18+59 (MIDPOINT)	12	- SY
X	-	18+69 (MIDPOINT)	15	- SY
-	X	18+77 (MIDPOINT)	17	- SY
X	-	18+80 (MIDPOINT)	13	- SY
X	-	19+75 (MIDPOINT)	14	- SY
X	-	19+91 (MIDPOINT)	15	- SY

BEGIN CONSTRUCTION STA. 15+66

PI 15+93.20

KY 20

S86°19'35"E

PROPOSED 5' CONCRETE SIDEWALK

S86°19'35"E

S87°33'45"E

N6°50'53"E

POB 15+38.31

PT 16+18.82

PI 16+55.31

PC 15+50.62 D=86°49'31" T=42.57 L=68.19 R=45.00 E=16.95

REMOVE AND RELOCATE SIGN

PIPE BURRIED

EXISTING CROSS WALK

PI 18+41.30

BEGIN CONSTRUCTION STA. 19+91

CONST. SIDEWALK RAMP TYPE 4 WITH 14 SF DETECTABLE WARNING

CONST. SIDEWALK RAMP TYPE 4 WITH 13 SF DETECTABLE WARNING

CONST. SIDEWALK RAMP TYPE 4 WITH 14 SF DETECTABLE WARNING

CONST. SIDEWALK RAMP TYPE 4 WITH 15 SF DETECTABLE WARNING

CONST. SIDEWALK RAMP TYPE 4 WITH 12 SF DETECTABLE WARNING

CONST. SIDEWALK RAMP TYPE 4 WITH 17 SF DETECTABLE WARNING

END CONSTRUCTION STA. 18+81

252+05

POE 252+05.35

MATCHLINE STA. 20+00

FO MH TOP ELEV.=872.21

14BN576

MAGNAIL 1

MAGNAIL 2

BNK3989E

SSMH TOP ELEV.=871.88 ELEV.= 868.43

SSMH TOP ELEV.=872.14 ELEV.= 869.13

ELEV.= 868.77

ELEV.= 871.25

LW NE ELEV.= 899.74

LW E ELEV.= 897.04

LW E ELEV.= 893.23

LWE ELEV.= 898.67

LW E ELEV.= 875.58

SCALE: 1"=20'

| | | |

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R37

CONSTRUCT SIDEWALK		
LT OR RT	STATION TO STATION	SY
RT	20+00 - 23+21	178
RT	23+69 - 24+27	32

CONSTRUCT CURB & GUTTER		
LT OR RT	STATION TO STATION	LF
RT	20+33 - 20+41	8
RT	20+52 - 23+21	269
RT	23+69 - 24+27	59

ENTRANCE CONSTRUCTION CHART					
LOCATION			WIDTH	ASPHALT	CEM CONC ENT PAVE
LT	RT	STATION	FT	SY	SY
	X	23+34.27	10	119	11
	X	23+54.96	10	104	11

D=4°09'58"
T=72.74
L=145.42
R=2000.00
E=1.32

D=3°11'23"
T=22.28
L=44.54
R=800.00
E=0.31

MATCHLINE STA. 20+00

PI 20+00.00

PI 20+49.34

PC 20+97.63

PI 22+33.05

POG 24+27.23

24+27

KY 20

N89°54'42"E

S86°53'54"E

N88°56'8"E

N89°39'33"E

S87°42'22"E

MAGNAIL 115

PC 20+27.06

PT 20+71.60

PI 21+70.37

PI 23+39.45

PI 23+96.96

PT 251+62.99

15" PIPE

50' TAPER

TEMP EASEMENT

EX RW

END CONSTRUCTION
STA. 24+27

SCALE: 1"=20'

VPI 20+00.00 Elev. 873.57
VPI 20+50.00 Elev. 871.80
VPI 21+00.00 Elev. 869.91
VPI 21+50.00 Elev. 869.72
VPI 22+00.00 Elev. 869.93
VPI 22+50.00 Elev. 870.30
VPI 23+00.00 Elev. 870.59
VPI 23+50.00 Elev. 870.76
VPI 24+00.00 Elev. 871.67
VPI 24+27.23 Elev. 872.63

-3.540%
-3.780%
-0.380%
0.420%
0.740%
0.580%
0.340%
1.820%
3.526%

| | | | | |

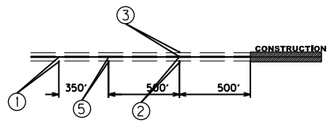
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R38

RIGHT OF WAY SUMMARY

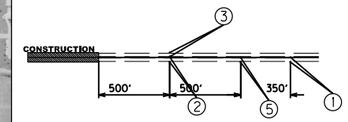
PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS*
						PERMANENT	TEMPORARY	LEFT		RIGHT														
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
1	Herritage Bros, LLC	3.207	139696.9				1601.9							3.207	139696.9								DB 924 - PG 240	
2	Herritage Bros, LLC	0.306	13329.4				919.4							0.306	13329.4								DB 1005 - PG 239	
3	Jesse Brewer, Trustee	0.325	14157				208.7							0.325	14157								DB 1097 - PG 798	

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R39

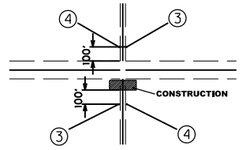
SIGNING DETAIL A



SIGNING DETAIL B



SIGNING DETAIL C



NUMBER	SIGN DESIGNATION DIMENSIONS
①	ROAD WORK AHEAD — W20-1 48"x48"
②	ROAD WORK 500 FT — W20-4F 48"x48"
③	END ROAD WORK — G20-2 36"x18"
④	ROAD WORK AHEAD — W20-1 36"x36"
⑤	ROAD WORK 1000 FT — W20-4F 48"x48"

TRAFFIC CONTROL SIGN QUANTITIES

	W20-1	W20-1	W20-4F	G20-2					
TOTAL NUMBER	4	10	8	14					
SQ. FT. (EACH)	16	9	16	4.5					
SQ. FT. (TOTAL)	64	90	128	63					

SIGN QUANTITIES THIS SHEET: 345 SQ. FT.

BEGIN MUP
STA. 100+58

SEE SIGNING DETAIL A

END MUP
STA. 252+04

SEE SIGNING DETAIL B

SEE SIGNING DETAIL C

KY 18

KY 237

KY 20

GATEWAY BLVD

CONRAD LANE

CONNER RD

WRIGHT BLVD

LANGLEY DR

COUGAR PATH

PETERSBURG RD

SCALE: 1"=600'

KY 237 MUP
MAINTENANCE OF TRAFFIC PLAN
BEGIN OF PROJECT TO END OF PROJECT

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: Josh-c | DATE PLOTTED: November 7, 2018 | FILE NAME: C:\PW_WORKDIR\DMS4880916\MOT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R40

EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH ADDED SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UPGRADIENT AREAS NOT DISTURBED (ACRES).
- UPGRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH.(ACRES).
- THE USE OF TEMPORARY MULCH IS ENCOURAGED.
- UPGRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES). AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.
- UPGRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2 OR SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE MOST REMOTE DOWNSTREAM COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOW EXIST, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTIONED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND RESIDENT ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE OCTOBER, 2004 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER THEY BECOME ONE-HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE RESIDENT ENGINEER.

EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE RESIDENT ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.

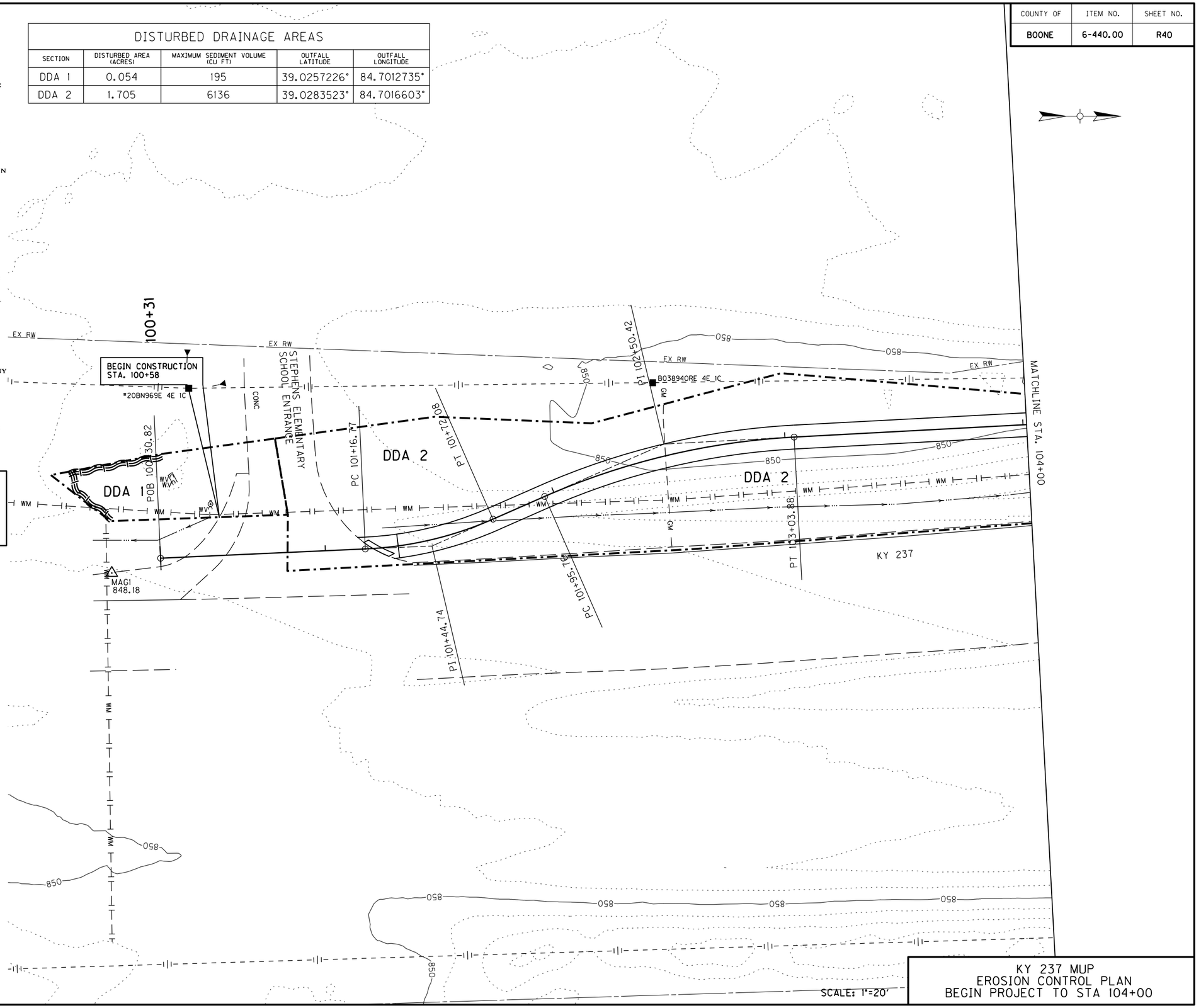
FOR EROSION CONTROL ONLY

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 1	0.054	195	39.0257226°	84.7012735°
DDA 2	1.705	6136	39.0283523°	84.7016603°

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1 — [A1]
- SILT TRAP TYPE A ALTERNATE 2 — (A)
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE — SF
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT



NOTE: ADDITIONAL EXCAVATION, GRADING, OR OTHER SOIL DISTURBING ACTIVITIES OUTSIDE THE DISTURB LIMITS AS SHOWN TO BE ADDRESSED BY THE CONTRACTOR. EROSION PREVENTION AND SEDIMENT CONTROLS FOR THOSE ACTIVITIES TO BE SHOWN ON LATER VERSIONS OF THE BMP KEPT ON SITE.

SCALE: 1"=20'

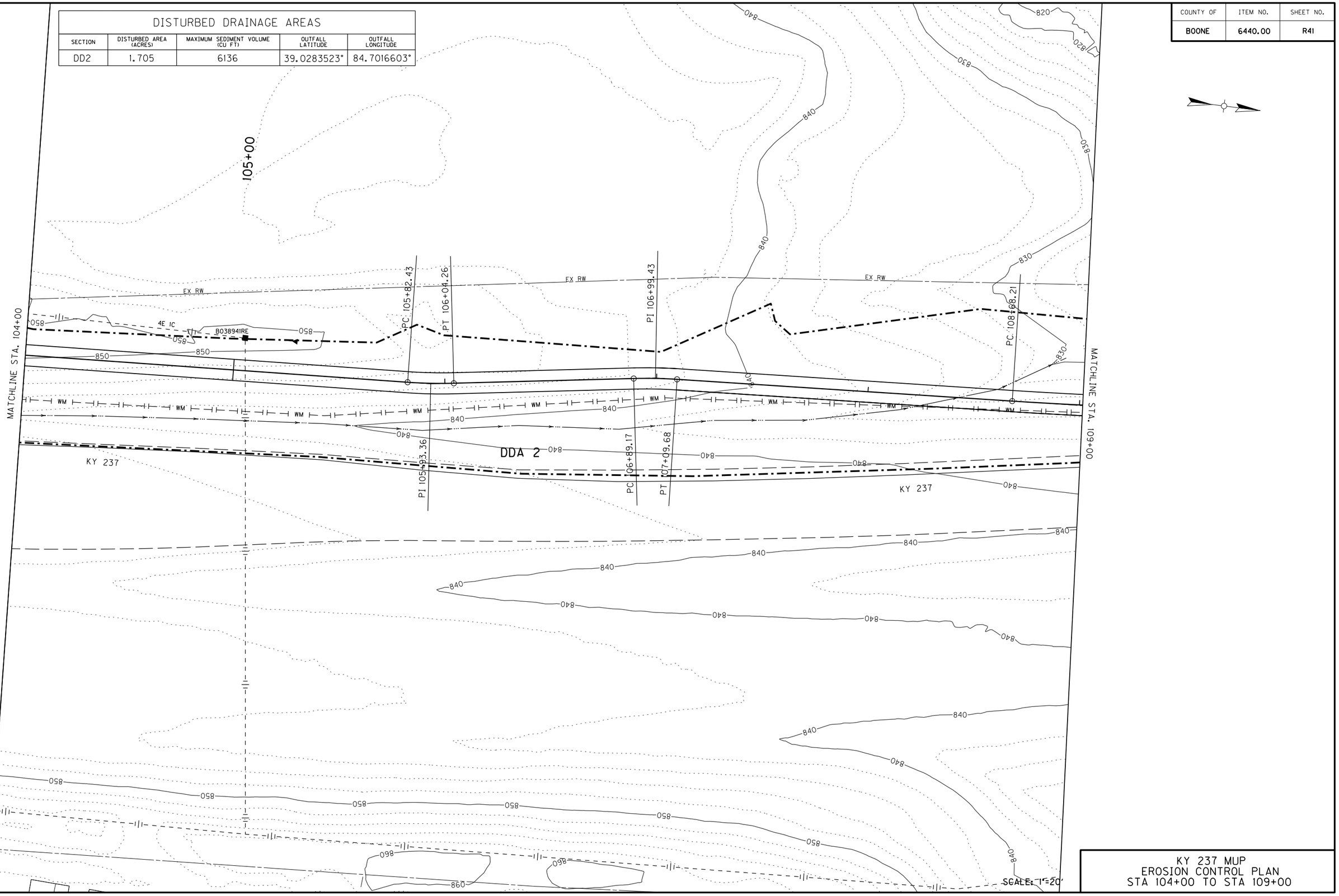
KY 237 MUP
EROSION CONTROL PLAN
BEGIN PROJECT TO STA 104+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R0400EC.DGN
USER: will
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6440.00	R41

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DD2	1.705	6136	39.0283523°	84.7016603°



KY 237 MUP
EROSION CONTROL PLAN
STA 104+00 TO STA 109+00

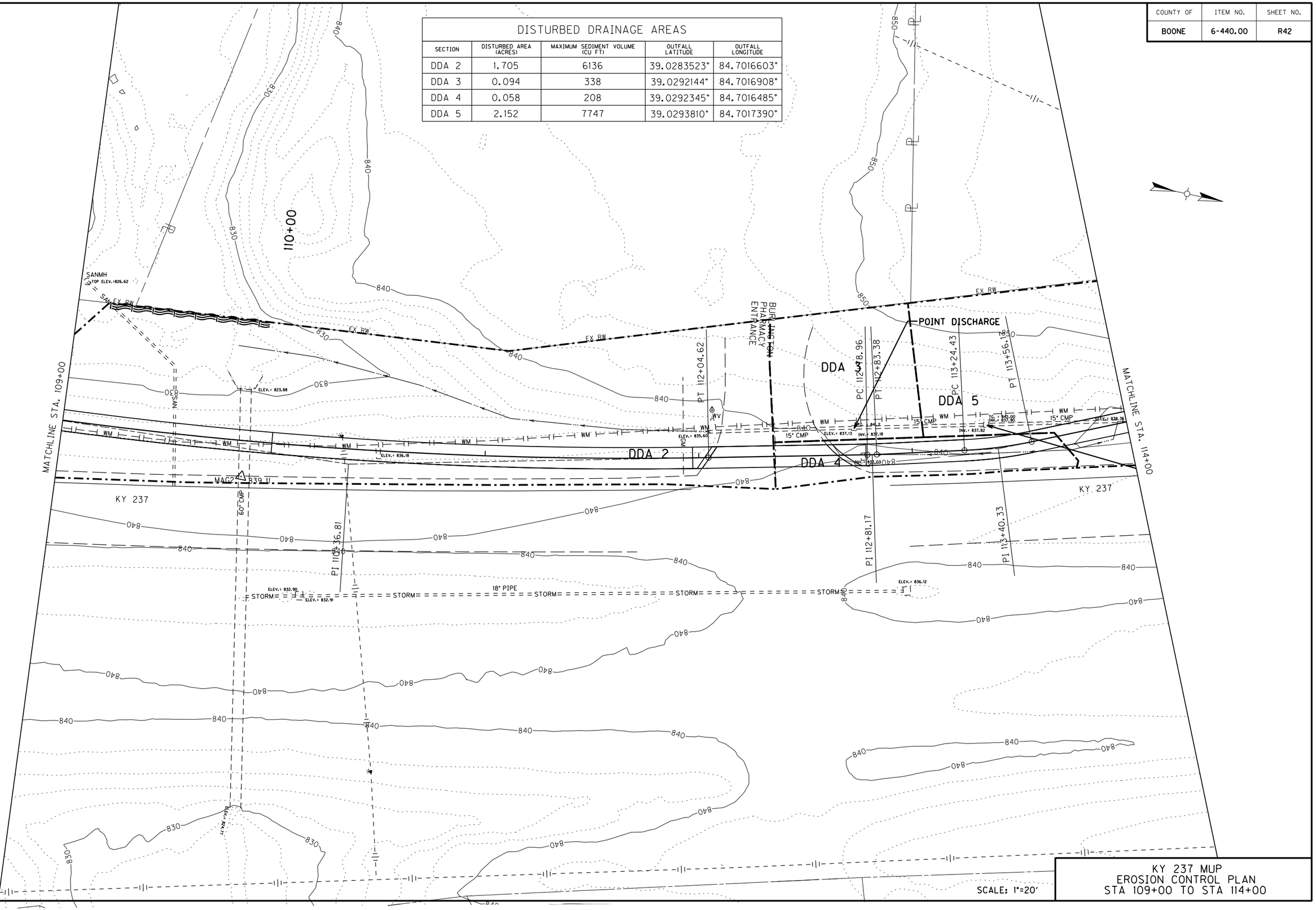
SCALE: 1"=20'

FILE NAME: C:\PW_WORKDIR\DMS4880\R04200EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R42

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 2	1.705	6136	39.0283523°	84.7016603°
DDA 3	0.094	338	39.0292144°	84.7016908°
DDA 4	0.058	208	39.0292345°	84.7016485°
DDA 5	2.152	7747	39.0293810°	84.7017390°



SCALE: 1"=20'

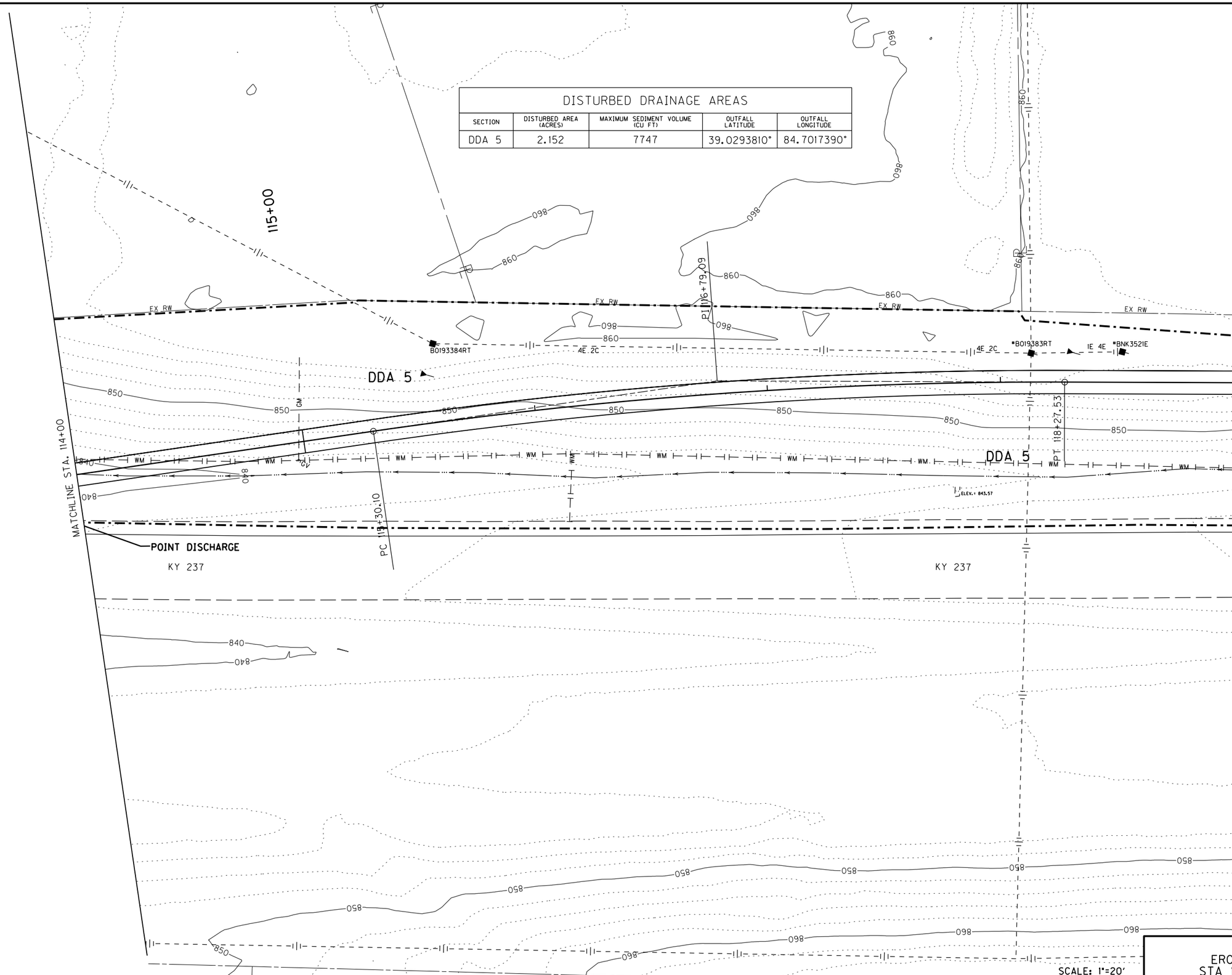
KY 237 MUP
EROSION CONTROL PLAN
STA 109+00 TO STA 114+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R04300EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R43

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 5	2.152	7747	39.0293810°	84.7017390°



SCALE: 1"=20'

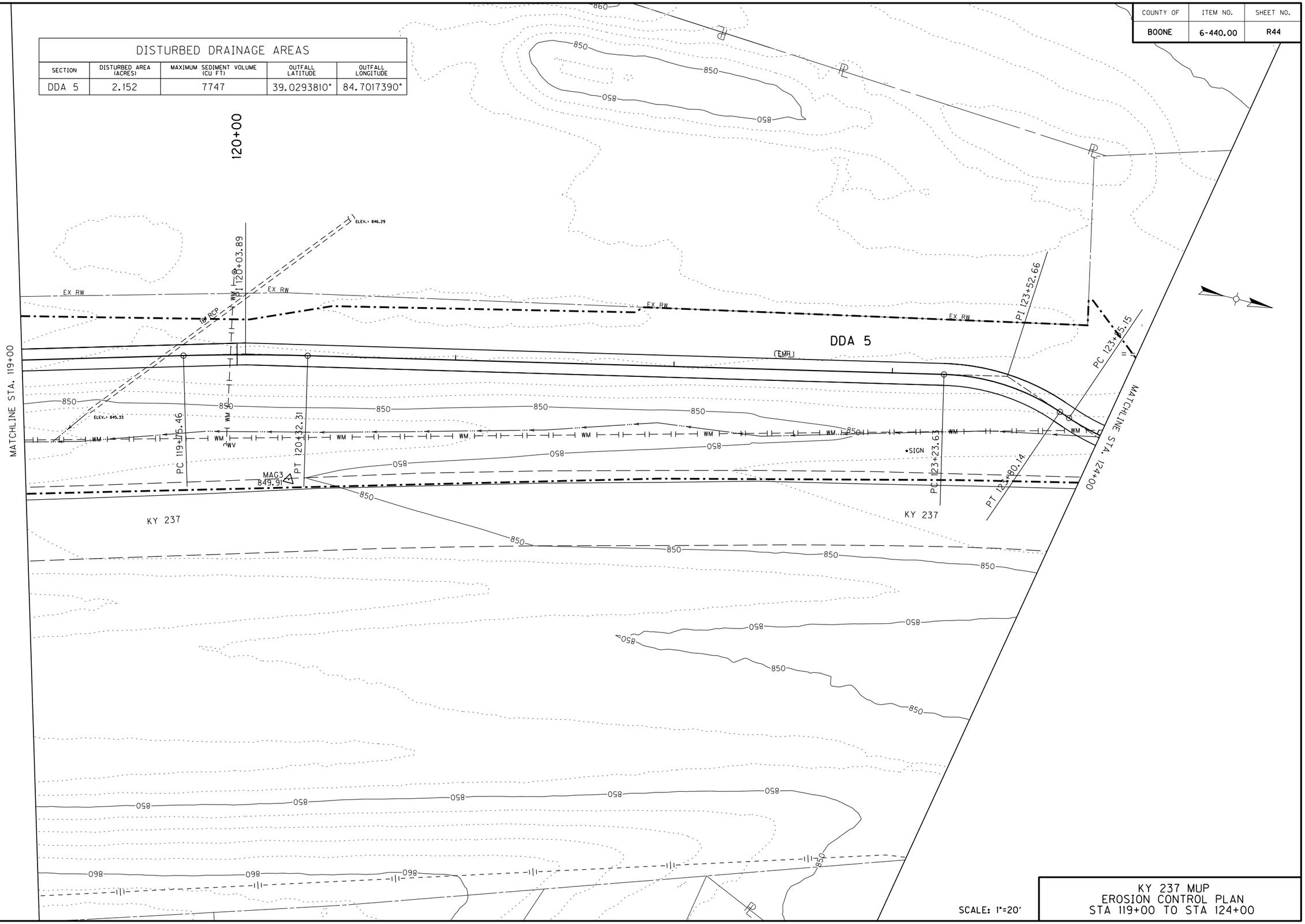
KY 237 MUP
EROSION CONTROL PLAN
STA 114+00 TO STA 119+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R04400EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R44

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 5	2.152	7747	39.0293810°	84.7017390°



SCALE: 1"=20'

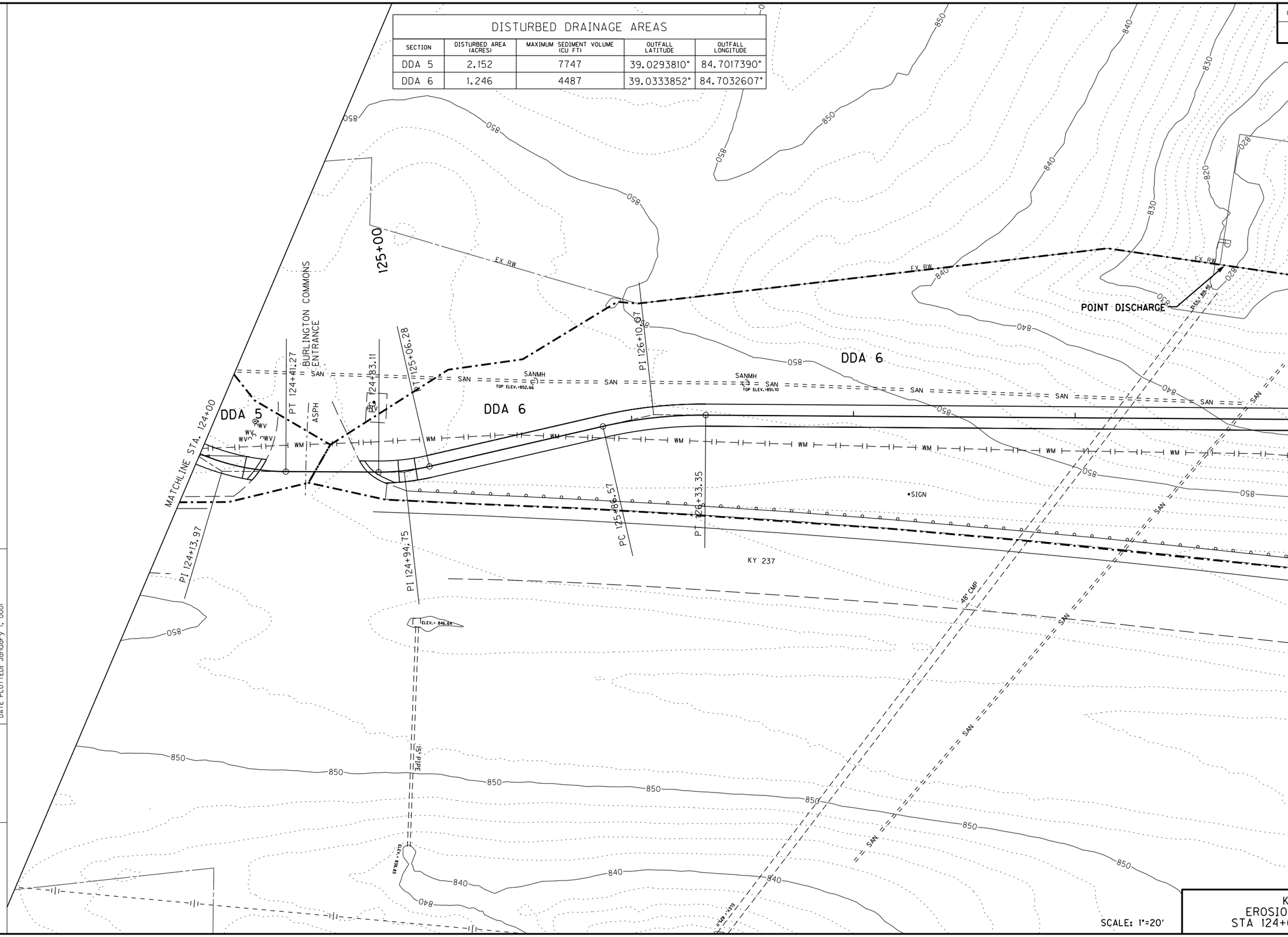
KY 237 MUP
EROSION CONTROL PLAN
STA 119+00 TO STA 124+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R04500EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R45

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 5	2.152	7747	39.0293810°	84.7017390°
DDA 6	1.246	4487	39.0333852°	84.7032607°



SCALE: 1"=20'

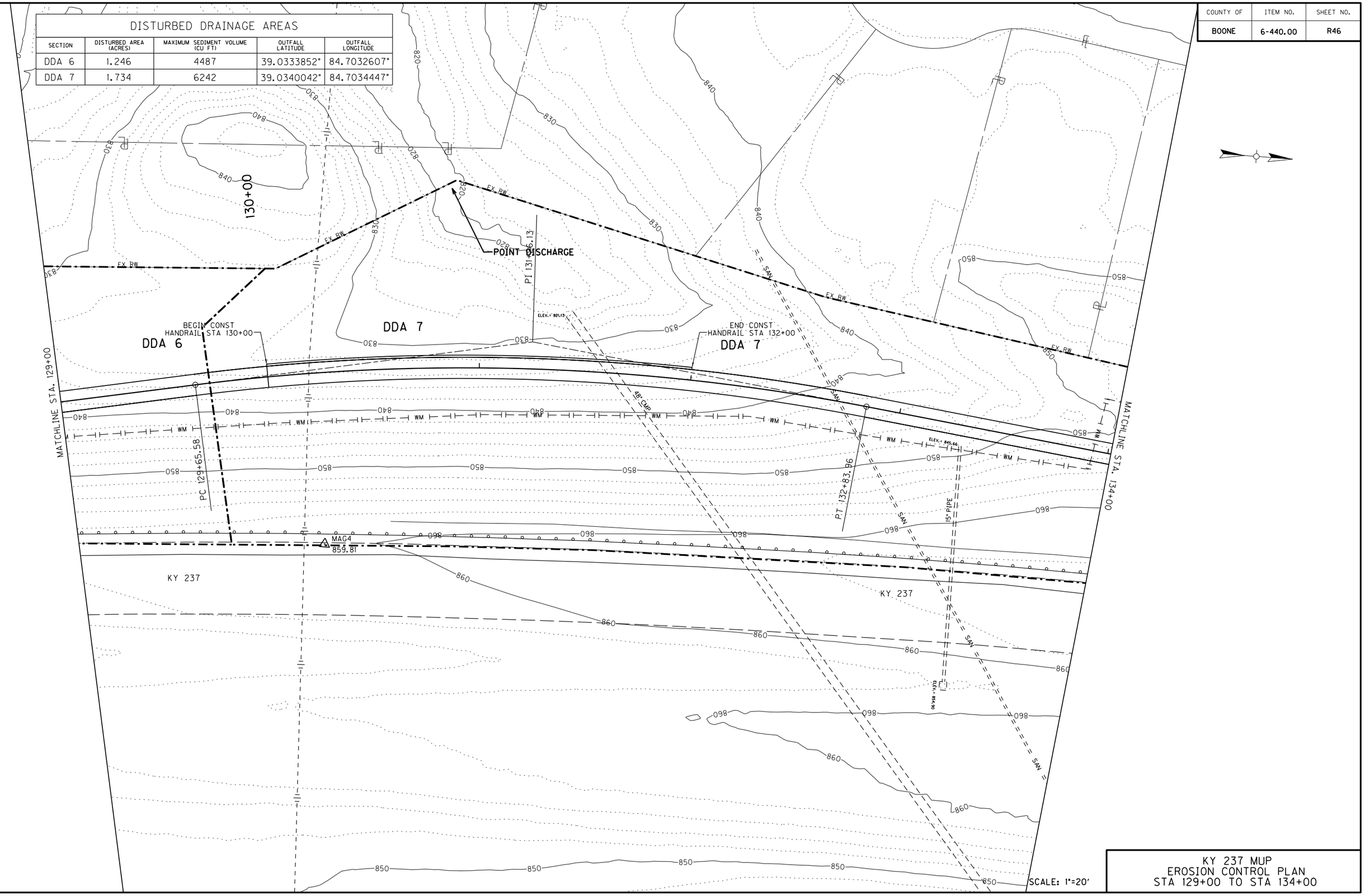
KY 237 MUP
EROSION CONTROL PLAN
STA 124+00 TO STA 129+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R04600EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R46

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 6	1.246	4487	39.0333852°	84.7032607°
DDA 7	1.734	6242	39.0340042°	84.7034447°



KY 237 MUP
EROSION CONTROL PLAN
STA 129+00 TO STA 134+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R04700EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R47

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 7	1.734	6242	39.0340042°	84.7034447°
DDA 8	2.083	7500	39.0371656°	84.7028670°

135+00

MATCHLINE STA. 134+00

MATCHLINE STA. 139+00

DDA 7

DDA 8

KY 237

EX RW

WM

SAN

840 850 860 098

SCALE: 1"=20'

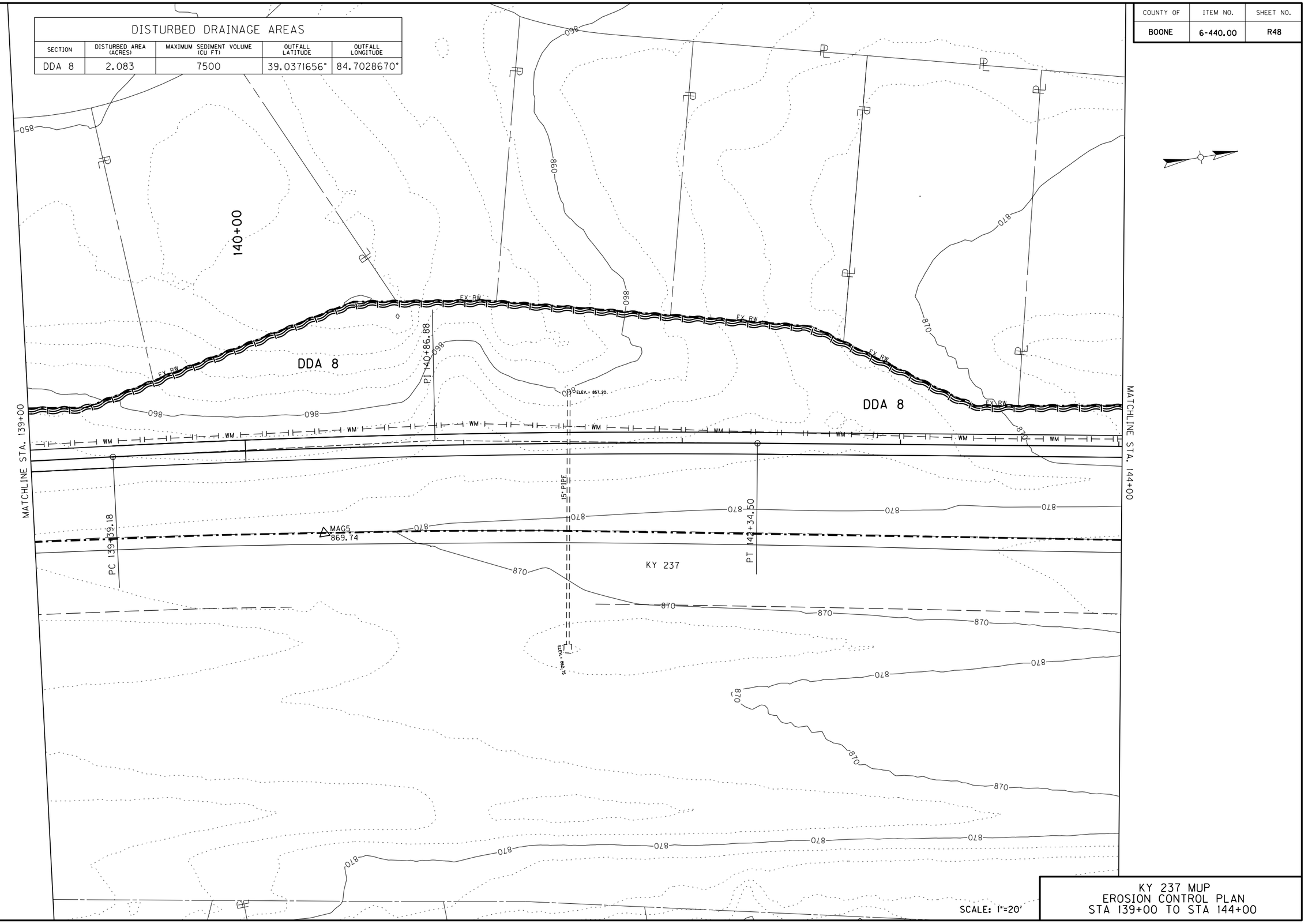
KY 237 MUP
EROSION CONTROL PLAN
STA 134+00 TO STA 139+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R04800EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R48

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 8	2.083	7500	39.0371656°	84.7028670°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 139+00 TO STA 144+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R04900EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R49

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 8	2.083	7500	39.0371656°	84.7028670°

MATCHLINE STA. 144+00

145+00

DDA 8

EX RW

870

ELEV.= 869.54

SIGN

PC 146+56.68

PI 147+17.00

PT 147+76.75

PI 148+05.62

KY 237

ELEV.= 869.92

CONRAD LANE

BRACEPOLE

B05809RTA

WM

WV

ITB JB

ELEV.= 871.25

150+00

INVERT

STORM

ELEV.= 872.34

GM

15" CMP/RCP

MATCHLINE STA. 149+00

SCALE: 1"=20'

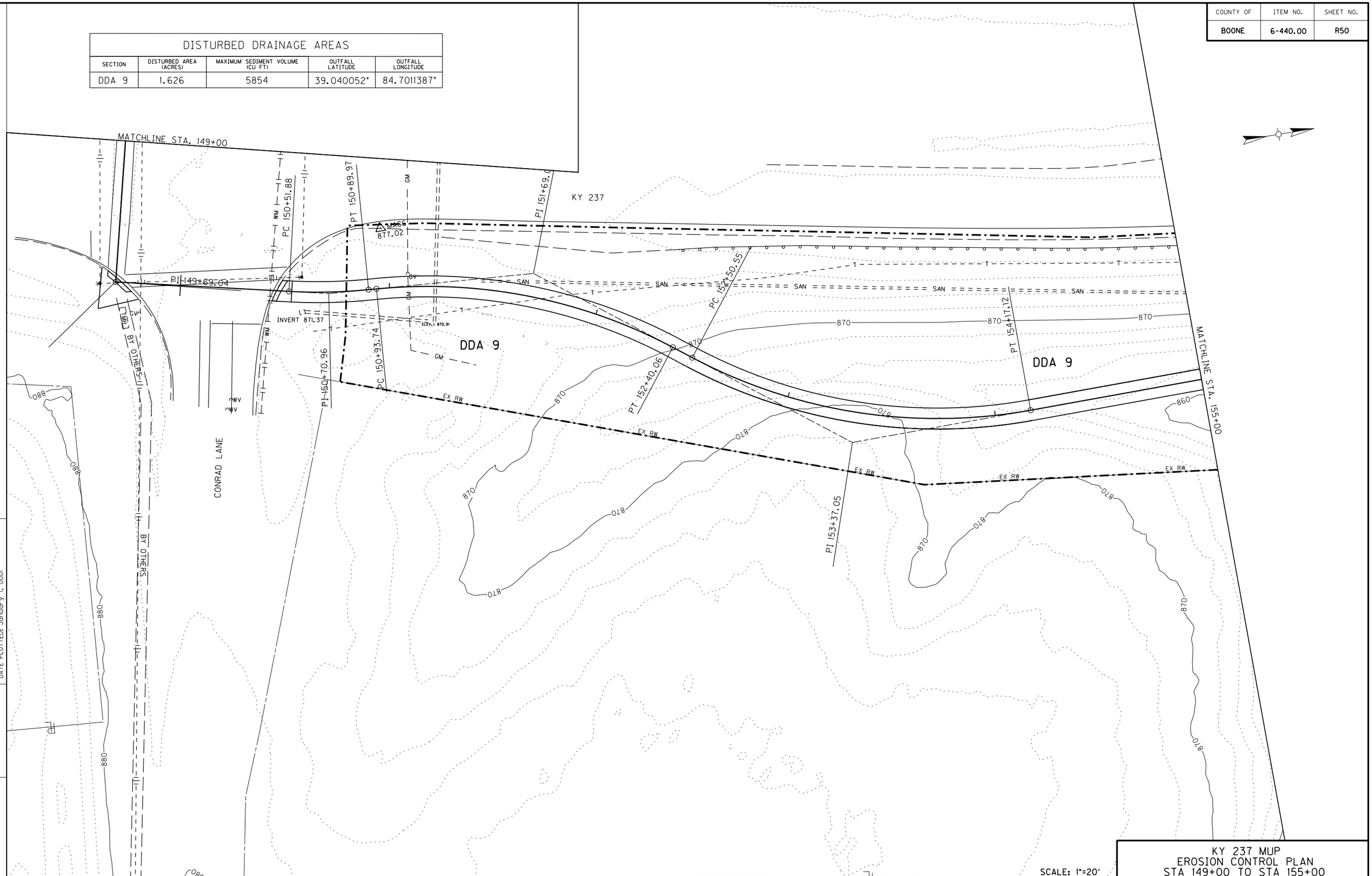
KY 237 MUP
EROSION CONTROL PLAN
STA 144+00 TO STA 149+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R05000EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R50

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 9	1.626	5854	39.040052°	84.7011387°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 149+00 TO STA 155+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R0510DEC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R51

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 9	1.626	5854	39.0400520°	84.7011387°
DDA 10	0.416	1497	39.0402730°	84.7010770°
DDA 11	0.525	1890	39.0416008°	84.7008913°
DDA 12	2.388	8598	39.0447108°	84.7022486°

155+00

160+00

MATCHLINE STA. 155+00

MATCHLINE STA. 160+00

42" CMP

15" CPP

ELEV.= 872.70

KY 237

KY 237

PI 158+53.17

TOP ELEV.=874.51

DDA 9

DDA 10

DDA 11

DDA 12

ELEV.= 852.81

ELEV.= 857.86

PC 158+33.06

PT 158+45.15

EX RW

POINT DISCHARGE

POINT DISCHARGE

SAN

870

860

880

SCALE: 1"=20'

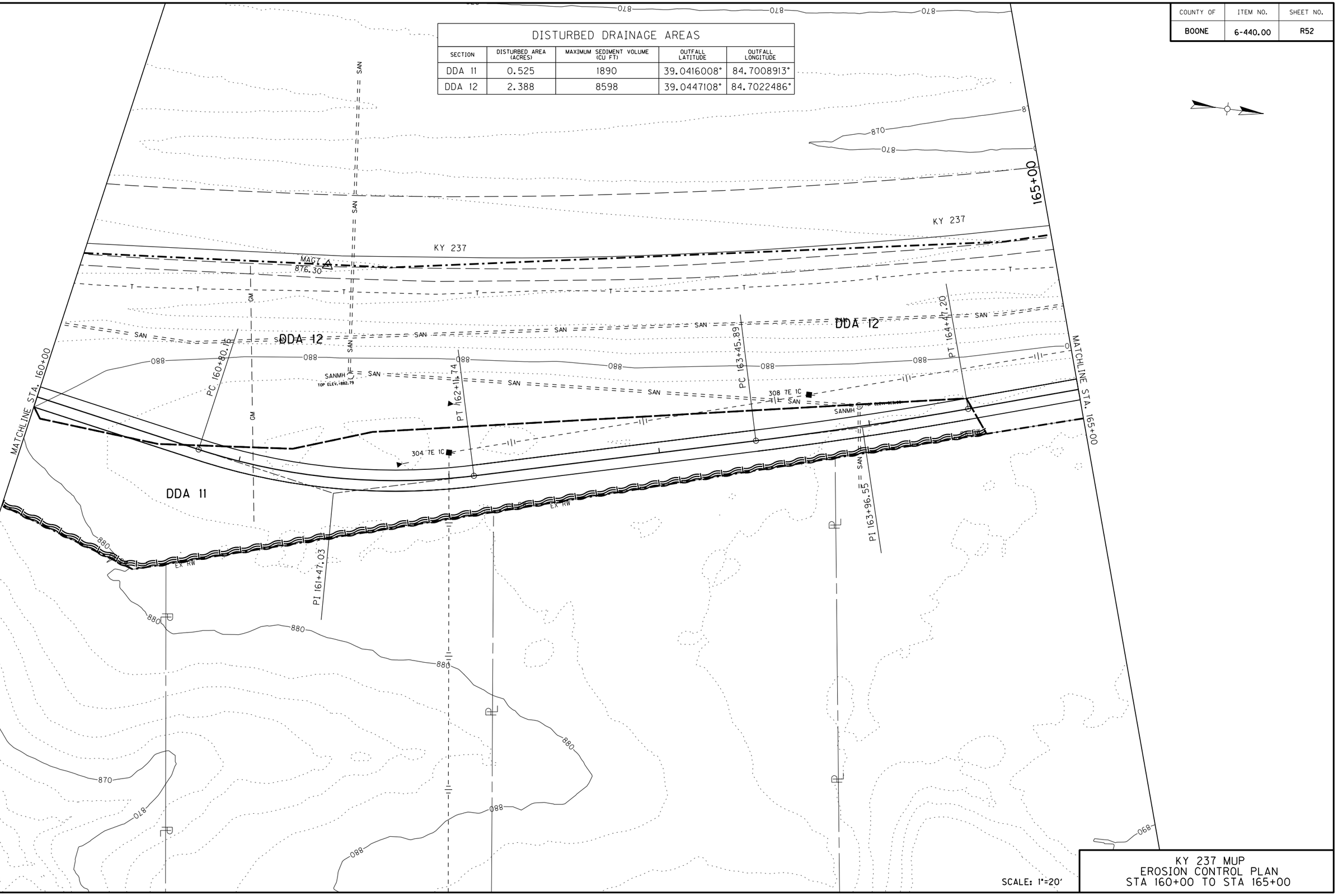
KY 237 MUP
EROSION CONTROL PLAN
STA 155+00 TO STA 160+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen | DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R05200EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R52

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 11	0.525	1890	39.0416008°	84.7008913°
DDA 12	2.388	8598	39.0447108°	84.7022486°



SCALE: 1"=20'

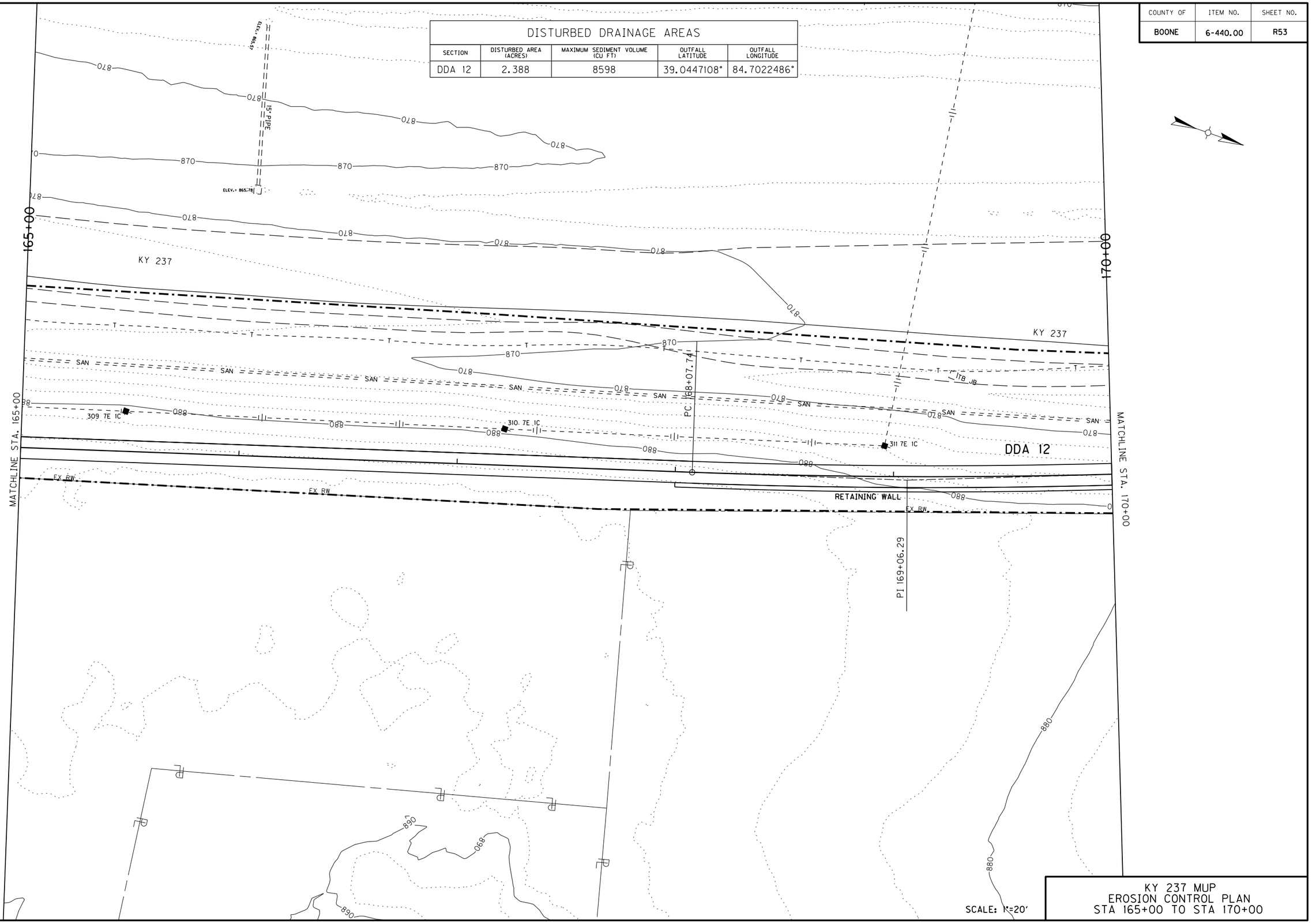
KY 237 MUP
EROSION CONTROL PLAN
STA 160+00 TO STA 165+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R05300EC.DGN
USER: stephen
DATE PLOTTED: November 7, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R53

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 12	2.388	8598	39.0447108°	84.7022486°



SCALE: 1"=20'

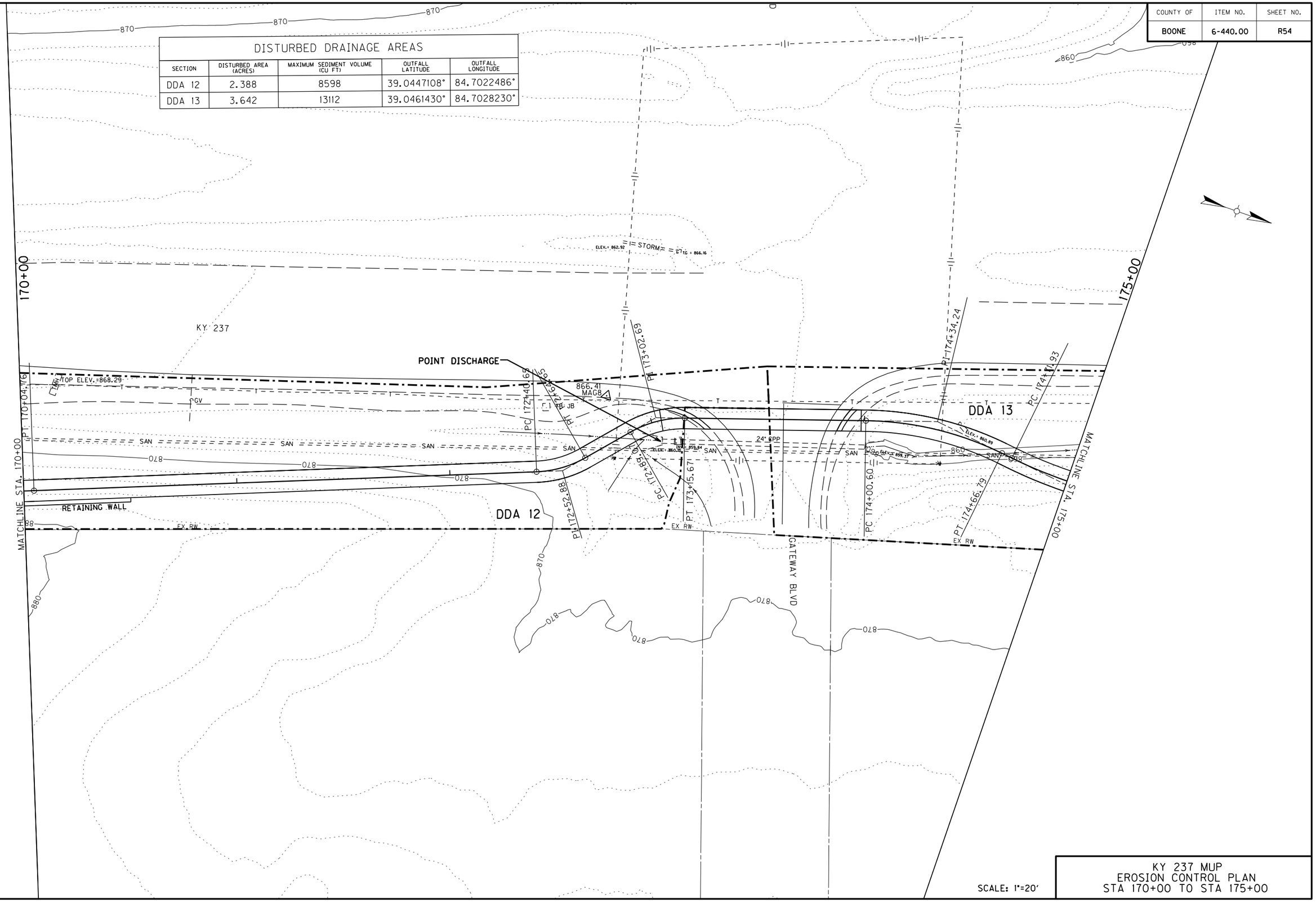
KY 237 MUP
EROSION CONTROL PLAN
STA 165+00 TO STA 170+00

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: stephen
DATE PLOTTED: January 1, 0001
FILE NAME: C:\PW_WORKDIR\DMS4880\R05400EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R54

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 12	2.388	8598	39.0447108°	84.7022486°
DDA 13	3.642	13112	39.0461430°	84.7028230°



SCALE: 1"=20'

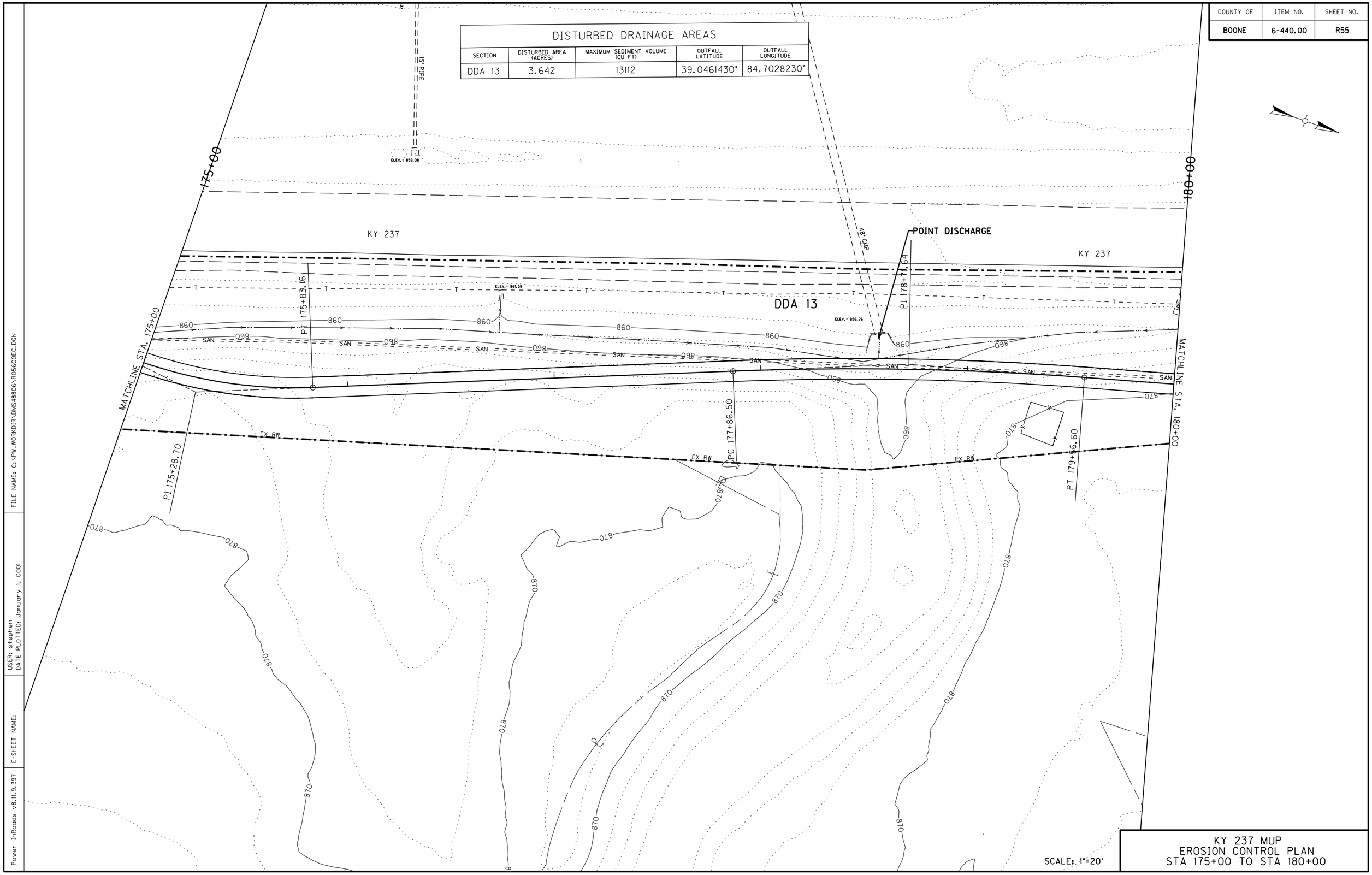
KY 237 MUP
EROSION CONTROL PLAN
STA 170+00 TO STA 175+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R05500EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R55

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 13	3.642	13112	39.0461430°	84.7028230°



SCALE: 1"=20'

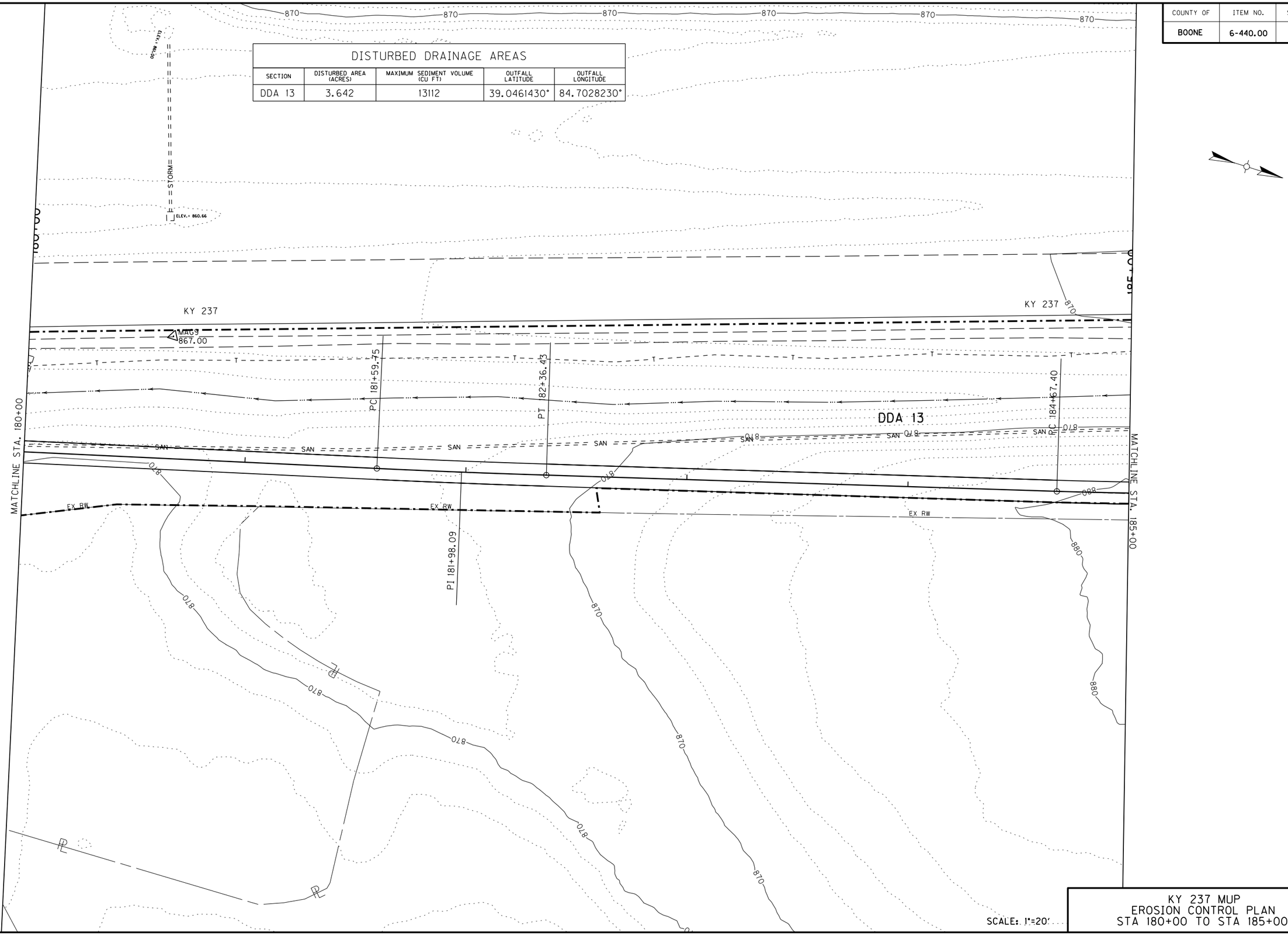
KY 237 MUP
EROSION CONTROL PLAN
STA 175+00 TO STA 180+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R05600EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R56

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 13	3.642	13112	39.0461430°	84.7028230°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 180+00 TO STA 185+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS48806\R05700EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R57

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 13	3.642	13112	39.0461430°	84.7028230°

ELEV.= 864.70
15" PIPE
ELEV.= 866.91
ELEV.= 864.36
185+00
190+00
KY 237
KY 237
PT 187+56.30
PI 188+50.94
END CONST
HANDRAIL STA 190+00
DDA 13
BEGIN CONST
HANDRAIL STA 185+50
MATCHLINE STA. 185+00
MATCHLINE STA. 190+00
EX RW
EX RW
EX RW
EX RW
PI 186+12.10
PC 187+97.65
PT 189+03.82
SAN
870
880
880
880

SCALE: 1"=20'

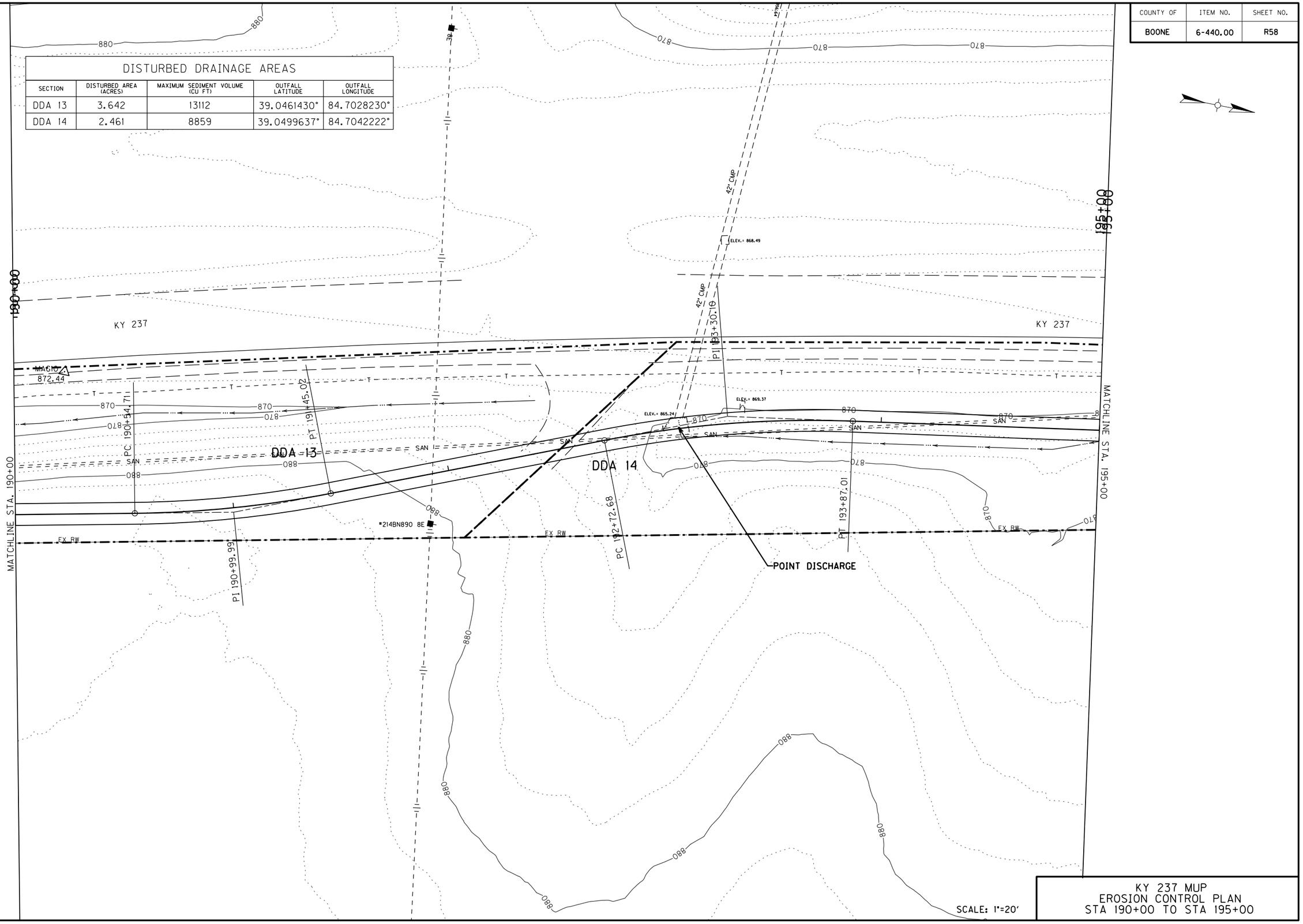
KY 237 MUP
EROSION CONTROL PLAN
STA 185+00 TO STA 190+00

FILE NAME: C:\PW_WORKDIR\DMS4880\R05800EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R58

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 13	3.642	13112	39.0461430°	84.7028230°
DDA 14	2.461	8859	39.0499637°	84.7042222°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 190+00 TO STA 195+00

FILE NAME: C:\PW_WORKDIR\DMS4880G\R05900EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R59

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 14	2.461	8859	39.0499637°	84.7042222°

195+00

200+00

KY 237

KY 237

ELEV.= 871.95

15" PIPE STORM

IP 196+74.06

ELEV.= 873.19

ELEV.= 871.32

BEGIN CONST
HANDRAIL STA 196+00

SINKHOLE

PC 196+05.56

MAGI
878.50

DDA 14

DDA 14

END CONST
HANDRAIL STA 197+00

PC 196+61.83

PT 196+96.22

EX RW

EX RW

EX RW

SAN

MATCHLINE STA. 195+00

MATCHLINE STA. 200+00

870

880

SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 195+00 TO STA 200+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R06000EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R60

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 14	2.461	8859	39.0499637°	84.7042222°

200+00

205+00

KY 237

DDA 14

ELEV.= 876.02

PT 201+21.44

RC 204+83.58

SAN

•MAG

MATCHLINE STA. 200+00

MATCHLINE STA. 205+00

PI 200+13.53

EX RW

SCALE: 1"=20'

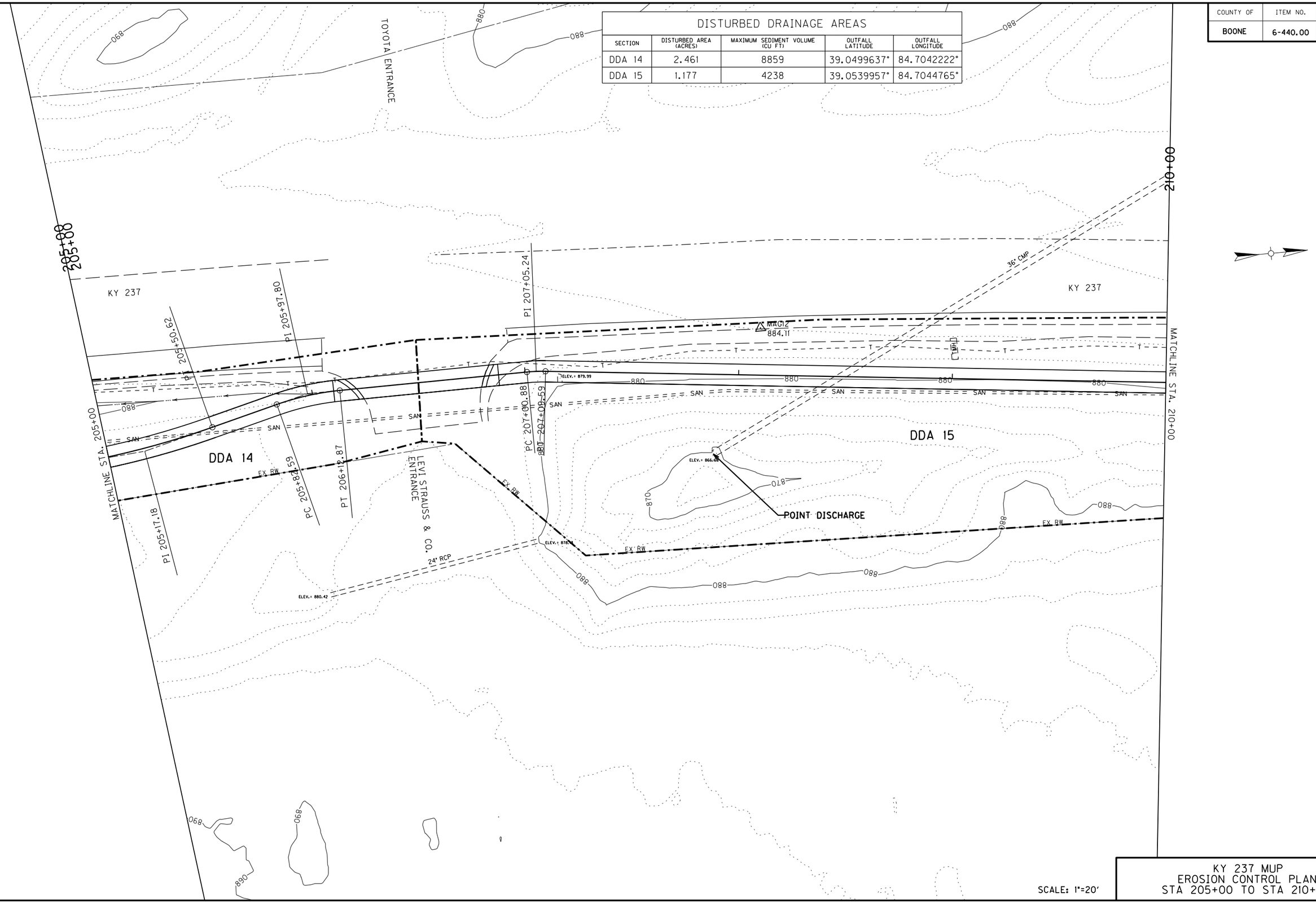
KY 237 MUP
EROSION CONTROL PLAN
STA 200+00 TO STA 205+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS48806\R06100EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R61

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 14	2.461	8859	39.0499637°	84.7042222°
DDA 15	1.177	4238	39.0539957°	84.7044765°



SCALE: 1"=20'

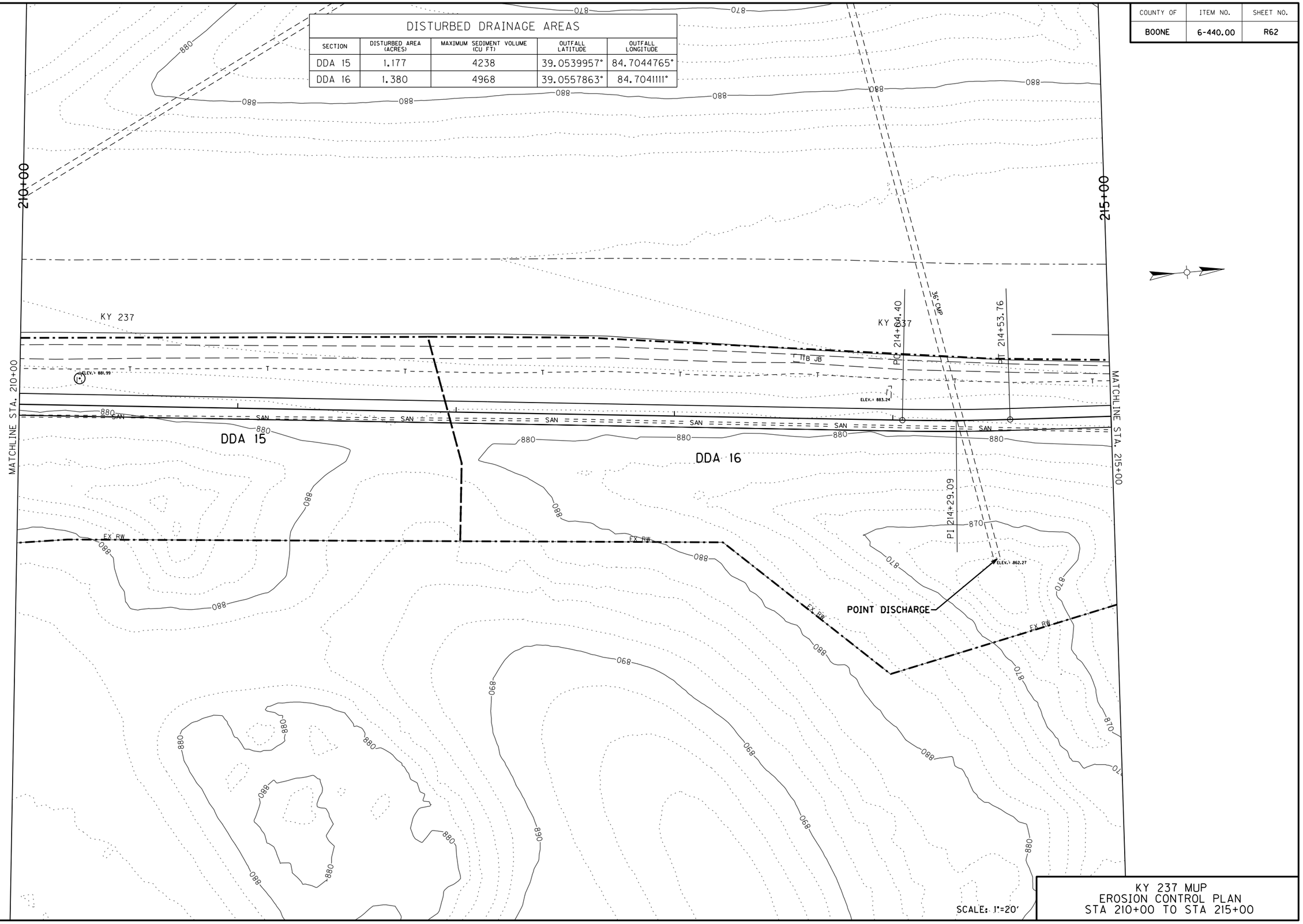
KY 237 MUP
EROSION CONTROL PLAN
STA 205+00 TO STA 210+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen | DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS48806\R06200EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R62

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 15	1.177	4238	39.0539957°	84.7044765°
DDA 16	1.380	4968	39.0557863°	84.7041111°



SCALE: 1"=20'

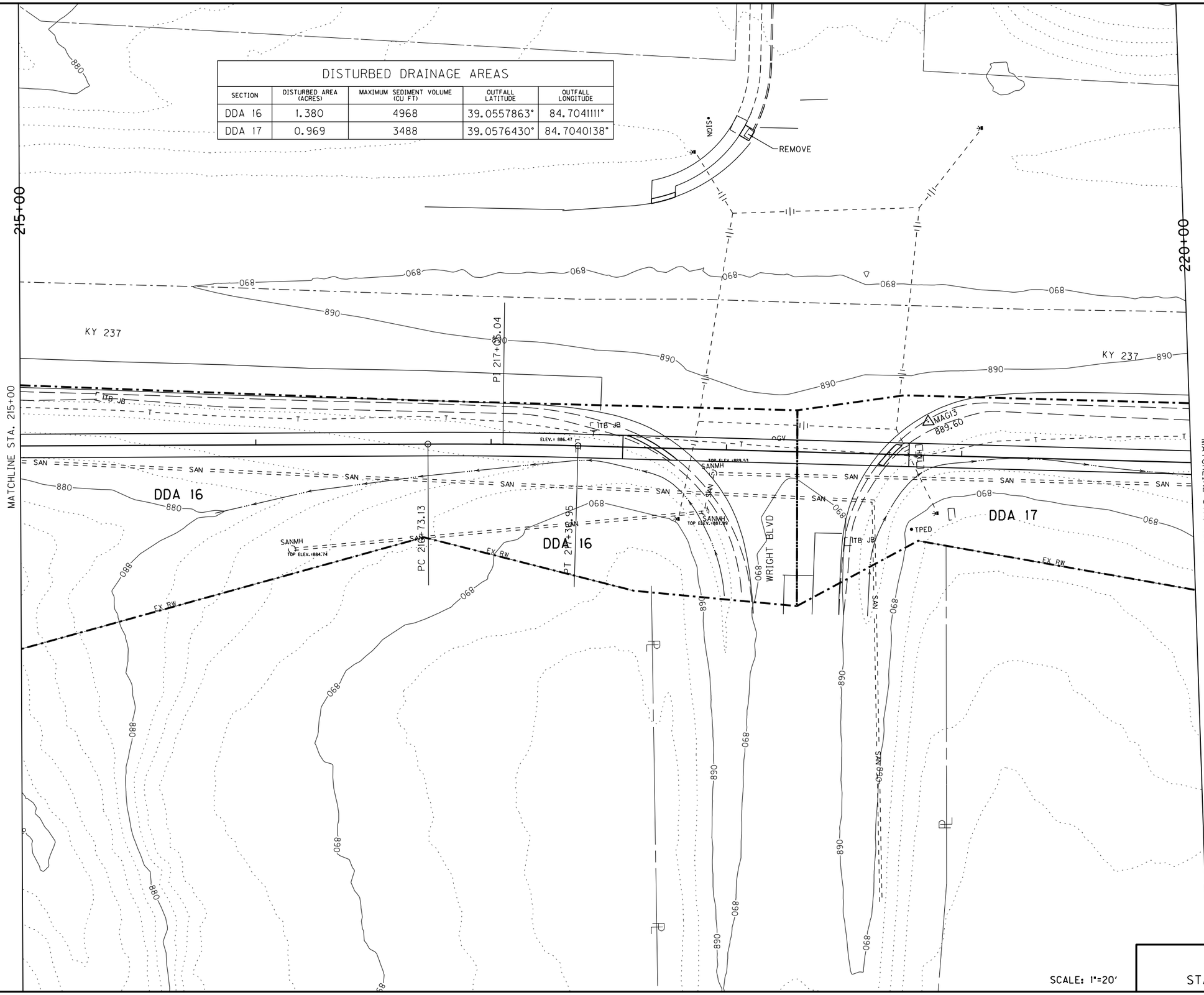
KY 237 MUP
EROSION CONTROL PLAN
STA 210+00 TO STA 215+00

FILE NAME: C:\PW_WORKDIR\DM54806\R06300EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R63

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 16	1.380	4968	39.0557863°	84.7041111°
DDA 17	0.969	3488	39.0576430°	84.7040138°



SCALE: 1"=20'

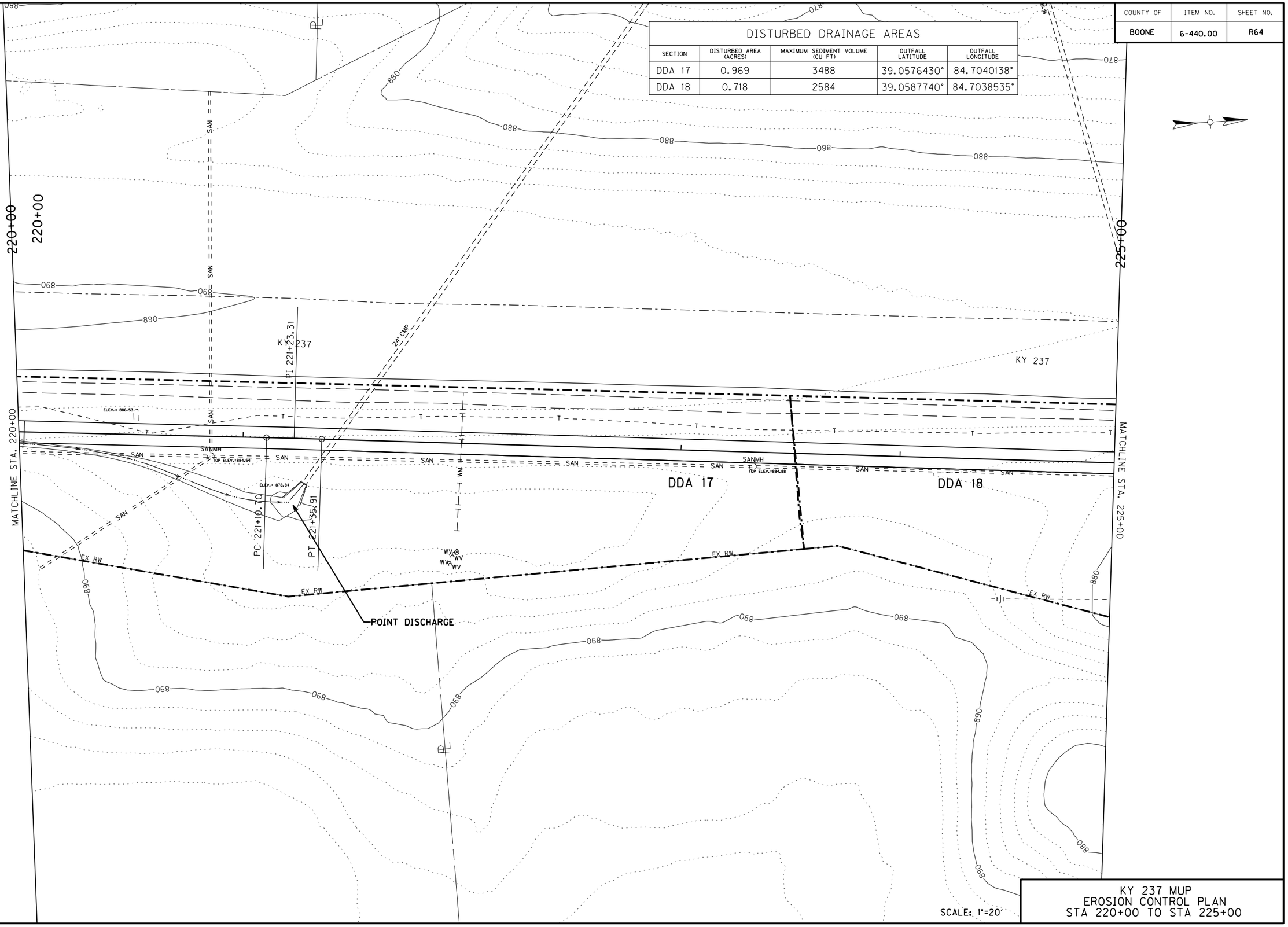
KY 237 MUP
EROSION CONTROL PLAN
STA 215+00 TO STA 220+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R06400EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R64

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 17	0.969	3488	39.0576430°	84.7040138°
DDA 18	0.718	2584	39.0587740°	84.7038535°



KY 237 MUP
EROSION CONTROL PLAN
STA 220+00 TO STA 225+00

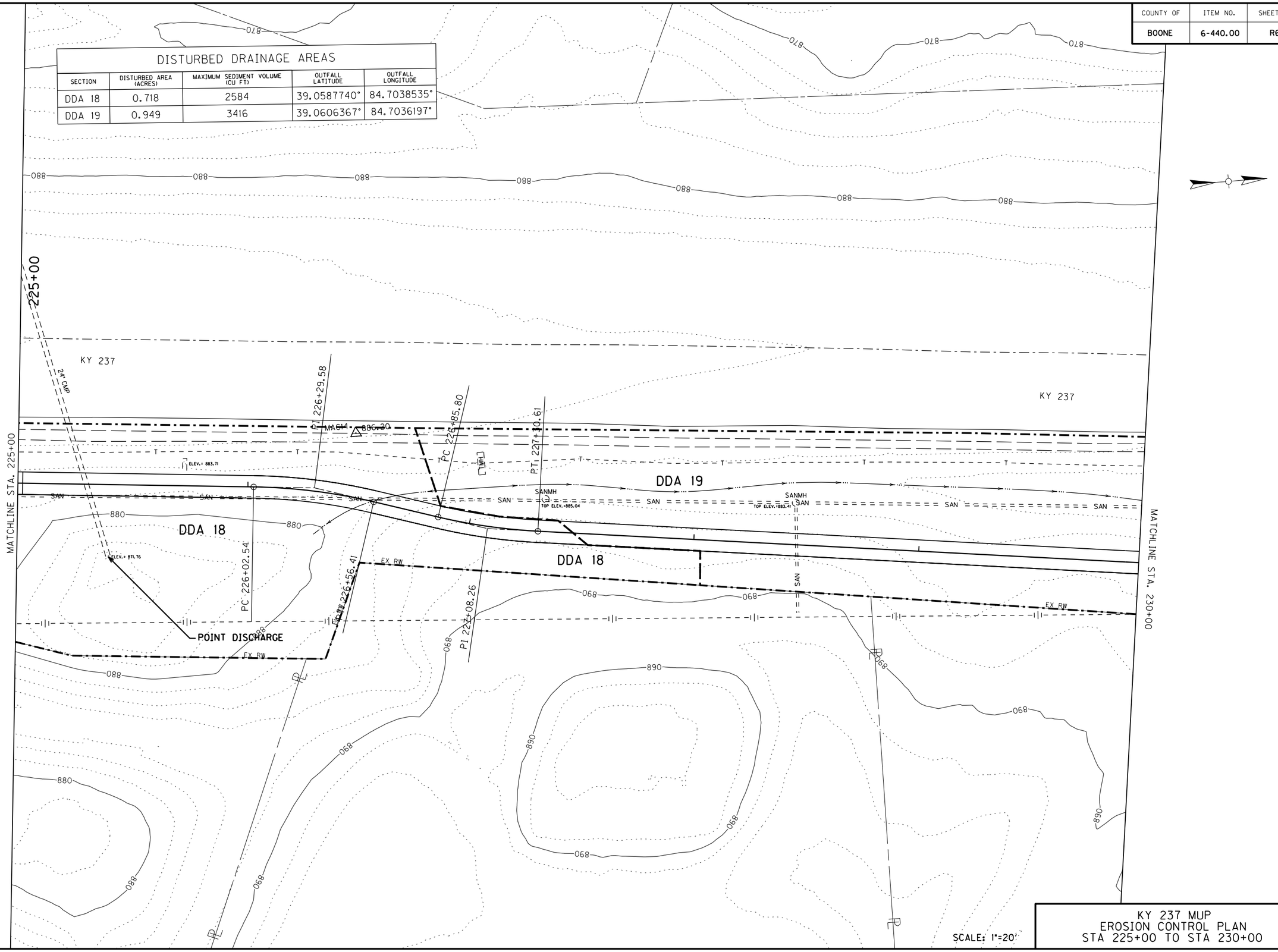
SCALE: 1"=20'

FILE NAME: C:\PW_WORKDIR\DMS4880G\R06500EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R65

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 18	0.718	2584	39.0587740°	84.7038535°
DDA 19	0.949	3416	39.0606367°	84.7036197°



SCALE: 1"=20'

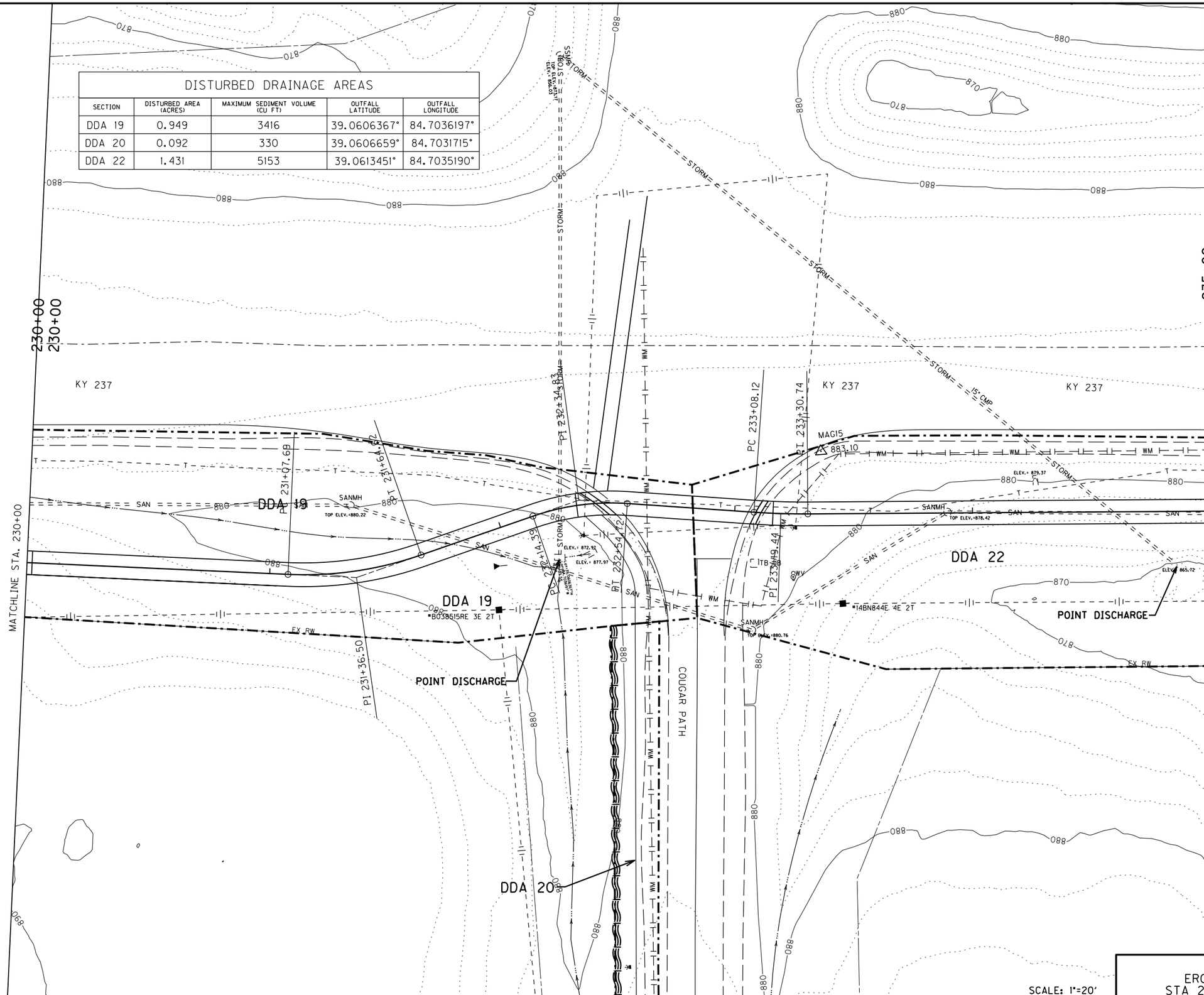
KY 237 MUP
EROSION CONTROL PLAN
STA 225+00 TO STA 230+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen | DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R06600EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R66

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 19	0.949	3416	39.0606367°	84.7036197°
DDA 20	0.092	330	39.0606659°	84.7031715°
DDA 22	1.431	5153	39.0613451°	84.7035190°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 230+00 TO STA 235+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R0670OEC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R67

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 22	1.431	5153	39.0613451°	84.7035190°

235+00
235+00

240+00

KY 237

KY 237

237+23.83

MATCHLINE STA. 235+00

MATCHLINE STA. 240+00

DDA 22

DDA 22

MATCH
885.39

SANMH
TOP ELEV.=881.19

INV

PC 236+18.86

PT 238+28.76

EX RW

EX RW

EX RW

WM

SAN

880

870

890

SCALE: 1"=20'

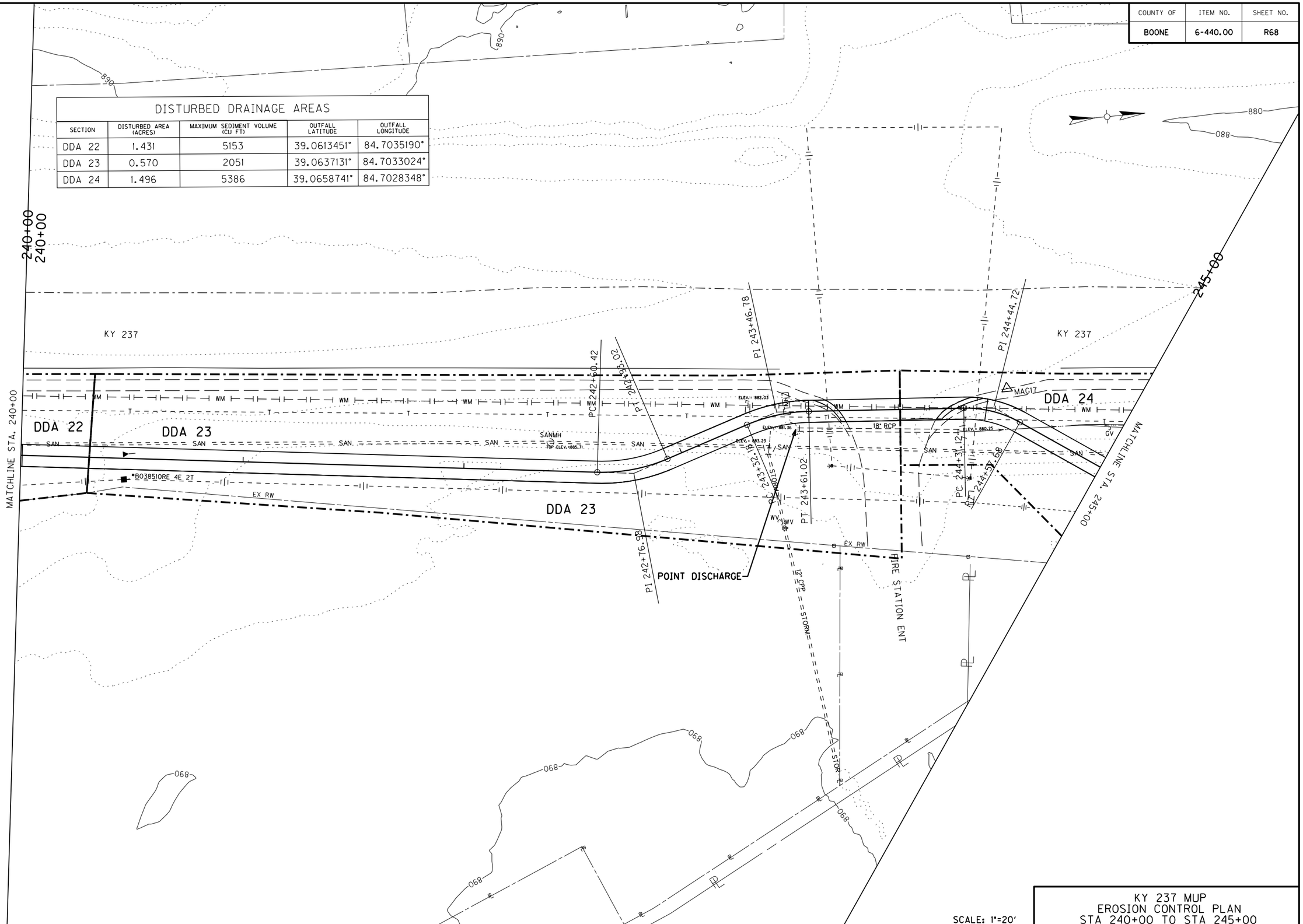
KY 237 MUP
EROSION CONTROL PLAN
STA 235+00 TO STA 240+00

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: January 1, 0001 | FILE NAME: C:\PW_WORKDIR\DMS4880\R06800EC.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R68

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 22	1.431	5153	39.0613451°	84.7035190°
DDA 23	0.570	2051	39.0637131°	84.7033024°
DDA 24	1.496	5386	39.0658741°	84.7028348°



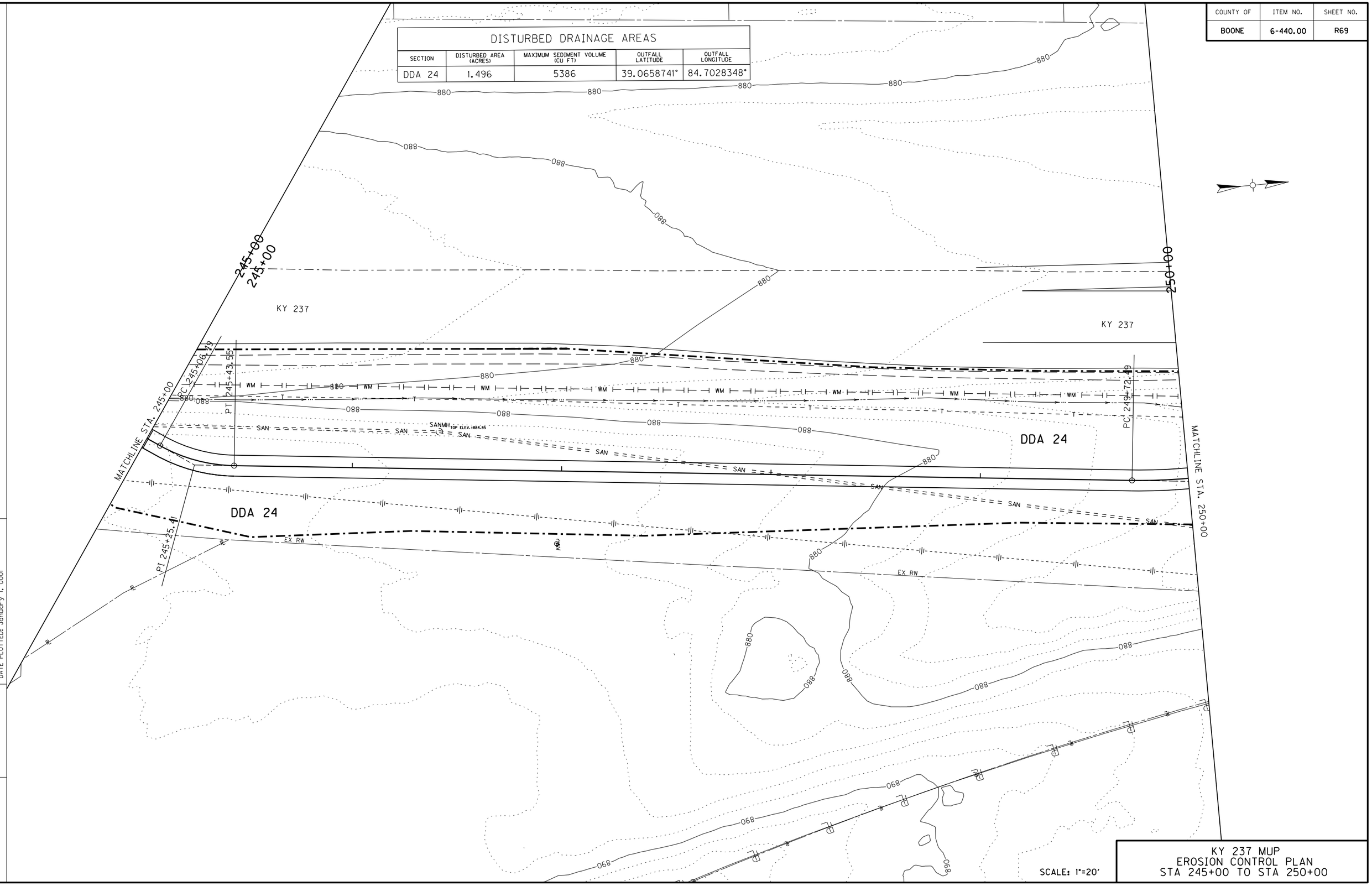
KY 237 MUP
EROSION CONTROL PLAN
STA 240+00 TO STA 245+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R06900EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R69

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 24	1.496	5386	39.0658741°	84.7028348°



SCALE: 1"=20'

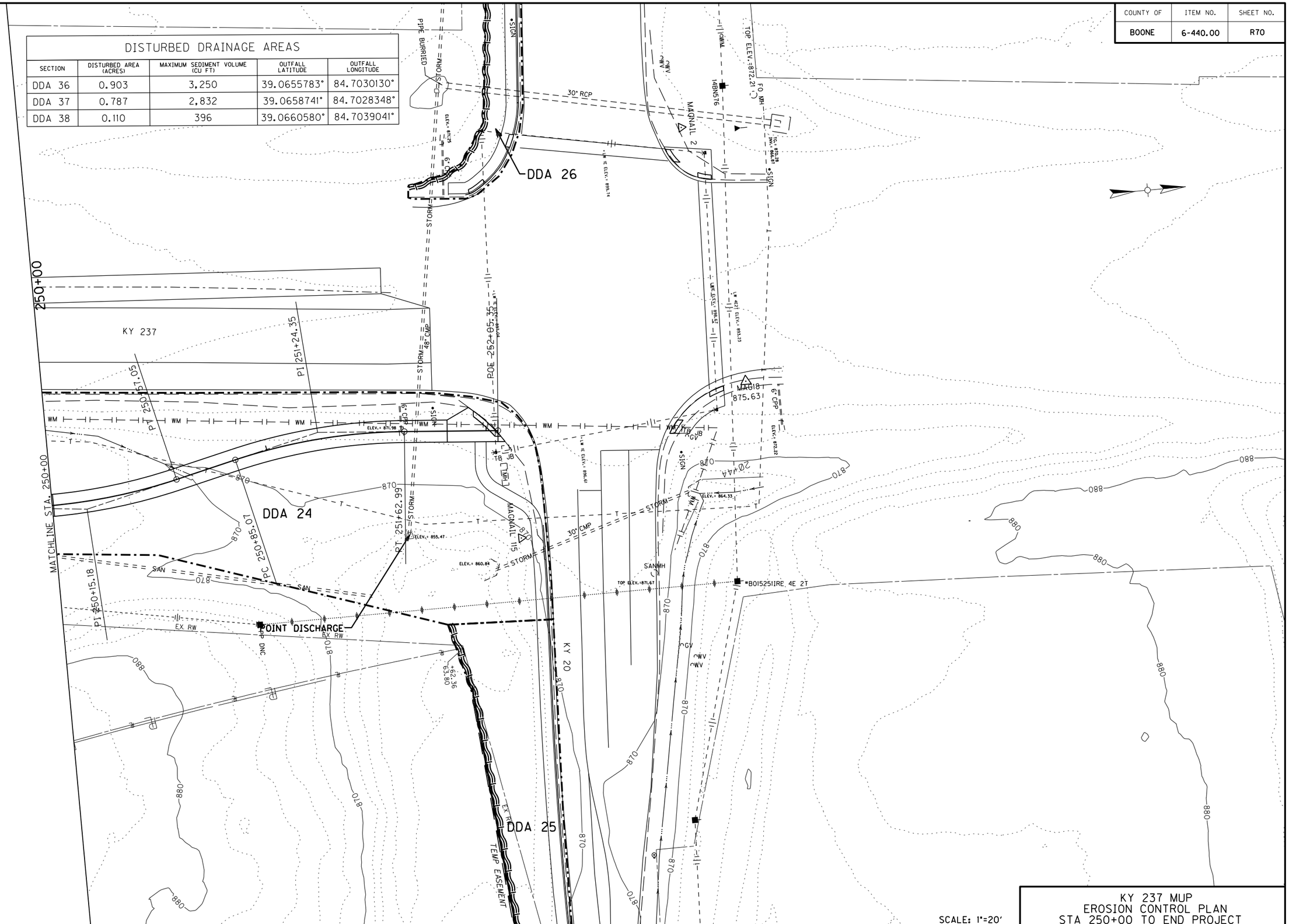
KY 237 MUP
EROSION CONTROL PLAN
STA 245+00 TO STA 250+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R07000EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R70

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 36	0.903	3,250	39.0655783°	84.7030130°
DDA 37	0.787	2,832	39.0658741°	84.7028348°
DDA 38	0.110	396	39.0660580°	84.7039041°



SCALE: 1"=20'

KY 237 MUP
EROSION CONTROL PLAN
STA 250+00 TO END PROJECT

FILE NAME: C:\PW_WORKDIR\DMS48806\R07100EC.DGN
USER: stephen
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R71

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 19	0.949	3416	39.0606367°	84.7036197°
DDA 20	0.092	330	39.0606659°	84.7031715°
DDA 21	0.261	938	39.0606368°	84.7027683°
DDA 22	1.431	5153	39.0613451°	84.7035190°

DDA 22

DDA 20

DDA 21

DDA 19

POB 10+00.00

PC 11+96.32

PI 12+19.70

PI 13+08.06

COUGAR PATH

COUGAR PATH

POINT DISCHARGE

POINT DISCHARGE

MATCHLINE STA. 15+00

KY 237

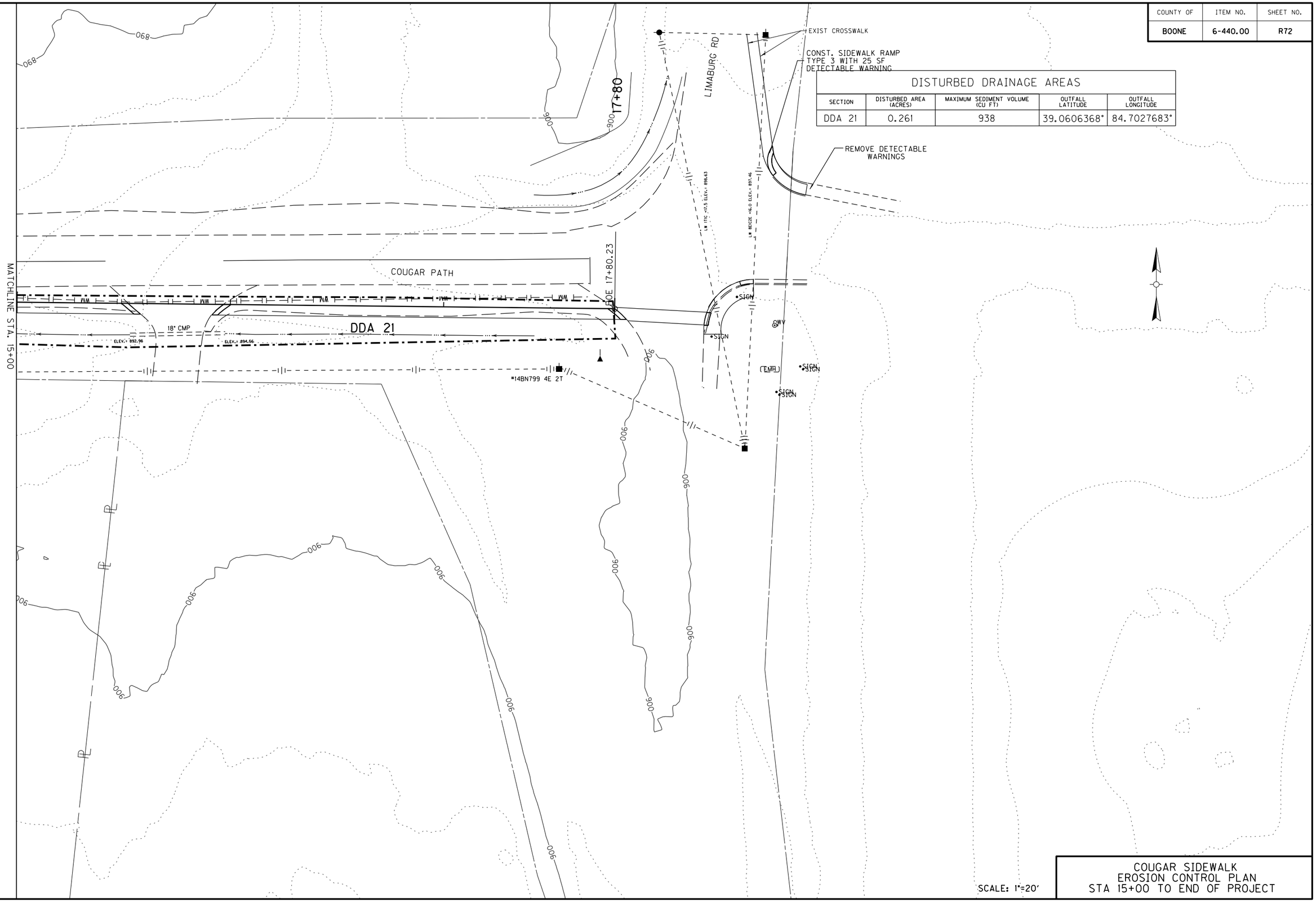
KY 237

SCALE: 1"=20'

COUGAR SIDEWALK
EROSION CONTROL PLAN
BEGIN OF PROJECT TO STA 15+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R07200EC.DGN
USER: zach-r
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R72



DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 21	0.261	938	39.0606368°	84.7027683°

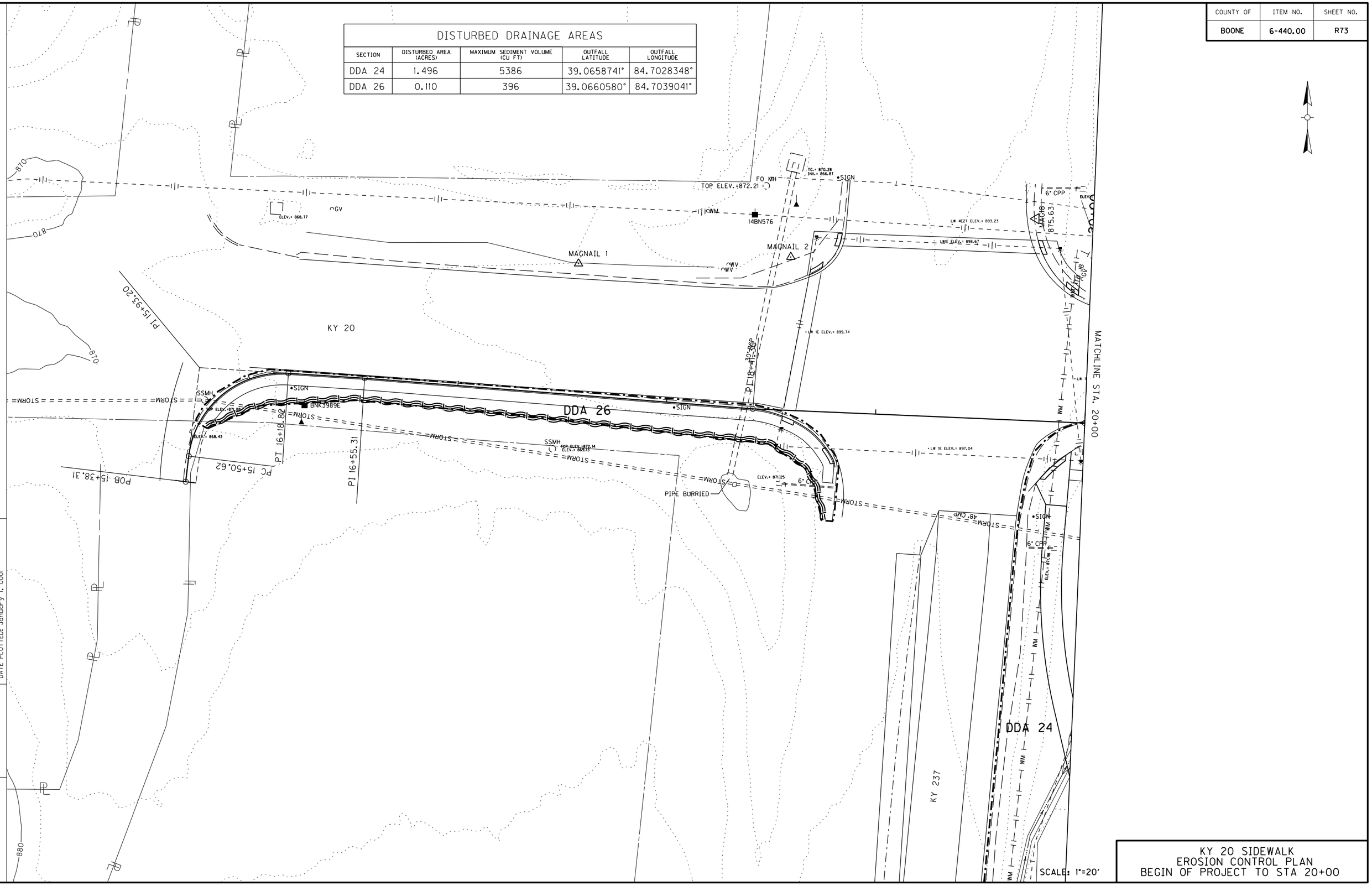
COUGAR SIDEWALK
EROSION CONTROL PLAN
STA 15+00 TO END OF PROJECT

FILE NAME: C:\PW_WORKDIR\DMS48806\R07300EC.DGN
USER: zach-r
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R73

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 24	1.496	5386	39.0658741°	84.7028348°
DDA 26	0.110	396	39.0660580°	84.7039041°



SCALE: 1"=20'

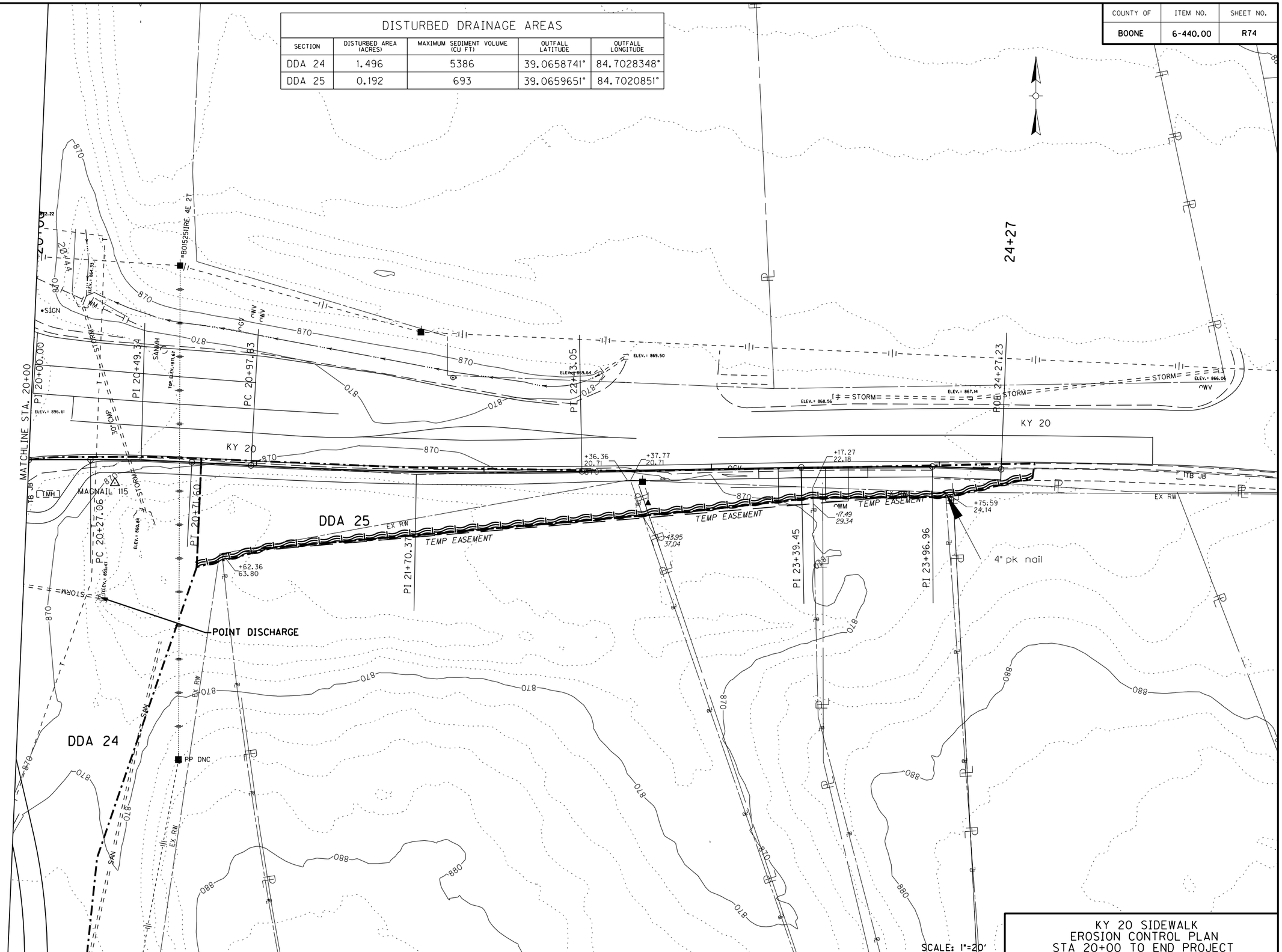
KY 20 SIDEWALK
EROSION CONTROL PLAN
BEGIN OF PROJECT TO STA 20+00

FILE NAME: C:\PW_WORKDIR\DMS48806\R07400EC.DGN
USER: zach-r
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R74

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 24	1.496	5386	39.0658741°	84.7028348°
DDA 25	0.192	693	39.0659651°	84.7020851°



SCALE: 1"=20'

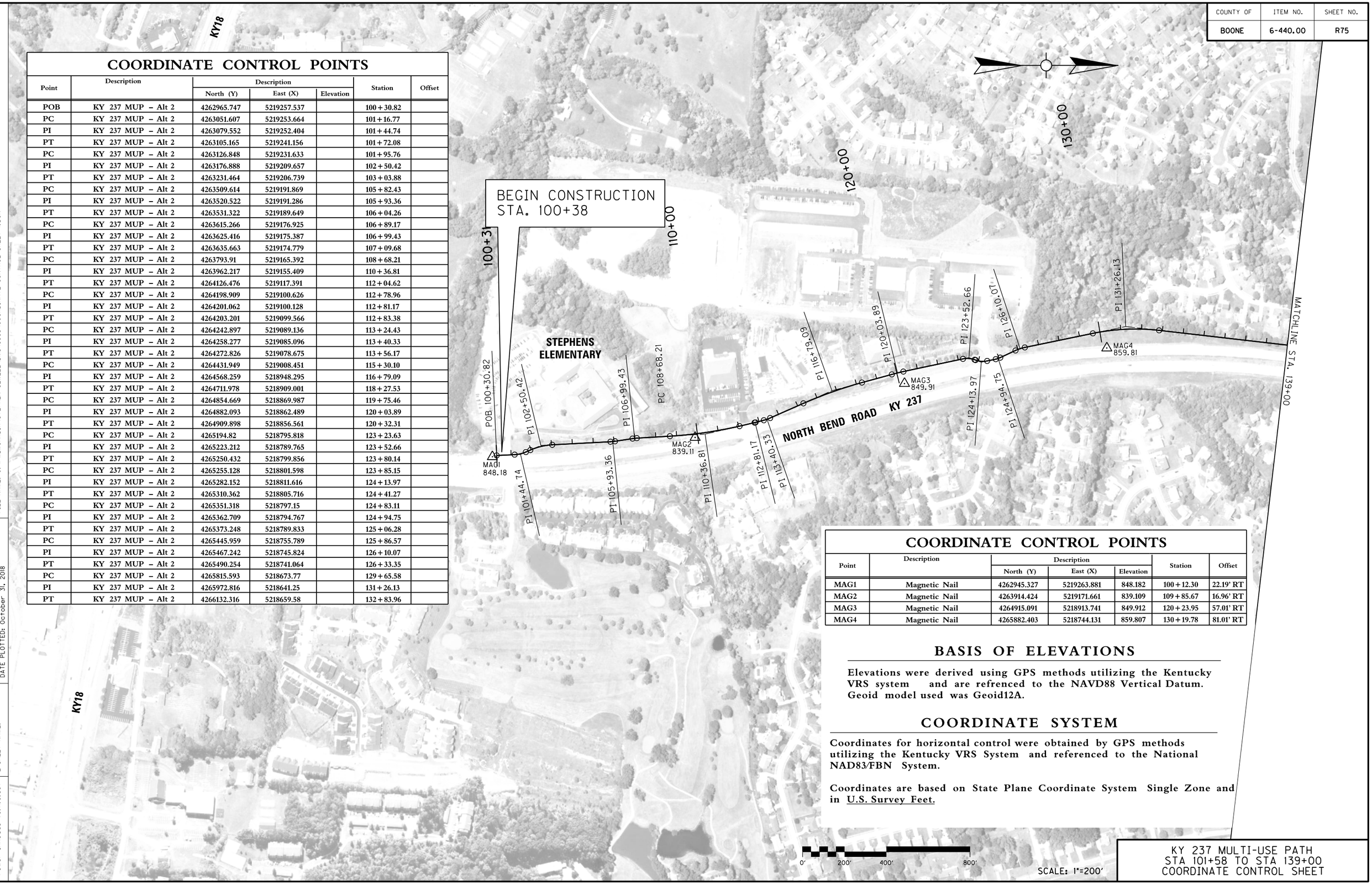
KY 20 SIDEWALK
EROSION CONTROL PLAN
STA 20+00 TO END PROJECT

FILE NAME: C:\PW_WORKDIR\DMS48806\R07500EC.DGN
USER: zach-r
DATE PLOTTED: January 1, 0001
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R75

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
POB	KY 237 MUP – Alt 2	4262965.747	5219257.537		100+30.82	
PC	KY 237 MUP – Alt 2	4263051.607	5219253.664		101+16.77	
PI	KY 237 MUP – Alt 2	4263079.552	5219252.404		101+44.74	
PT	KY 237 MUP – Alt 2	4263105.165	5219241.156		101+72.08	
PC	KY 237 MUP – Alt 2	4263126.848	5219231.633		101+95.76	
PI	KY 237 MUP – Alt 2	4263176.888	5219209.657		102+50.42	
PT	KY 237 MUP – Alt 2	4263231.464	5219206.739		103+03.88	
PC	KY 237 MUP – Alt 2	4263509.614	5219191.869		105+82.43	
PI	KY 237 MUP – Alt 2	4263520.522	5219191.286		105+93.36	
PT	KY 237 MUP – Alt 2	4263531.322	5219189.649		106+04.26	
PC	KY 237 MUP – Alt 2	4263615.266	5219176.925		106+89.17	
PI	KY 237 MUP – Alt 2	4263625.416	5219175.387		106+99.43	
PT	KY 237 MUP – Alt 2	4263635.663	5219174.779		107+09.68	
PC	KY 237 MUP – Alt 2	4263793.91	5219165.392		108+68.21	
PI	KY 237 MUP – Alt 2	4263962.217	5219155.409		110+36.81	
PT	KY 237 MUP – Alt 2	4264126.476	5219117.391		112+04.62	
PC	KY 237 MUP – Alt 2	4264198.909	5219100.626		112+78.96	
PI	KY 237 MUP – Alt 2	4264201.062	5219100.128		112+81.17	
PT	KY 237 MUP – Alt 2	4264203.201	5219099.566		112+83.38	
PC	KY 237 MUP – Alt 2	4264242.897	5219089.136		113+24.43	
PI	KY 237 MUP – Alt 2	4264258.277	5219085.096		113+40.33	
PT	KY 237 MUP – Alt 2	4264272.826	5219078.675		113+56.17	
PC	KY 237 MUP – Alt 2	4264431.949	5219008.451		115+30.10	
PI	KY 237 MUP – Alt 2	4264568.259	5218948.295		116+79.09	
PT	KY 237 MUP – Alt 2	4264711.978	5218909.001		118+27.53	
PC	KY 237 MUP – Alt 2	4264854.669	5218869.987		119+75.46	
PI	KY 237 MUP – Alt 2	4264882.093	5218862.489		120+03.89	
PT	KY 237 MUP – Alt 2	4264909.898	5218856.561		120+32.31	
PC	KY 237 MUP – Alt 2	4265194.82	5218795.818		123+23.63	
PI	KY 237 MUP – Alt 2	4265223.212	5218789.765		123+52.66	
PT	KY 237 MUP – Alt 2	4265250.432	5218799.856		123+80.14	
PC	KY 237 MUP – Alt 2	4265255.128	5218801.598		123+85.15	
PI	KY 237 MUP – Alt 2	4265282.152	5218811.616		124+13.97	
PT	KY 237 MUP – Alt 2	4265310.362	5218805.716		124+41.27	
PC	KY 237 MUP – Alt 2	4265351.318	5218797.15		124+83.11	
PI	KY 237 MUP – Alt 2	4265362.709	5218794.767		124+94.75	
PT	KY 237 MUP – Alt 2	4265373.248	5218789.833		125+06.28	
PC	KY 237 MUP – Alt 2	4265445.959	5218755.789		125+86.57	
PI	KY 237 MUP – Alt 2	4265467.242	5218745.824		126+10.07	
PT	KY 237 MUP – Alt 2	4265490.254	5218741.064		126+33.35	
PC	KY 237 MUP – Alt 2	4265815.593	5218673.77		129+65.58	
PI	KY 237 MUP – Alt 2	4265972.816	5218641.25		131+26.13	
PT	KY 237 MUP – Alt 2	4266132.316	5218659.58		132+83.96	



COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
MAG1	Magnetic Nail	4262945.327	5219263.881	848.182	100+12.30	22.19' RT
MAG2	Magnetic Nail	4263914.424	5219171.661	839.109	109+85.67	16.96' RT
MAG3	Magnetic Nail	4264915.091	5218913.741	849.912	120+23.95	57.01' RT
MAG4	Magnetic Nail	4265882.403	5218744.131	859.807	130+19.78	81.01' RT

BASIS OF ELEVATIONS

Elevations were derived using GPS methods utilizing the Kentucky VRS system and are refrenced to the NAVD88 Vertical Datum. Geoid model used was Geoid12A.

COORDINATE SYSTEM

Coordinates for horizontal control were obtained by GPS methods utilizing the Kentucky VRS System and referenced to the National NAD83/FBN System.

Coordinates are based on State Plane Coordinate System Single Zone and in U.S. Survey Feet.

0' 200' 400' 800'

SCALE: 1"=200'

KY 237 MULTI-USE PATH
STA 101+58 TO STA 139+00
COORDINATE CONTROL SHEET

FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS48803\COORDINATE CONTROL SHEET 1.DGN
USER: stephen
DATE PLOTTED: October 31, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R76

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
MAG5	Magnetic Nail	4266873.106	5218784.884	869.736	140 + 33.45	39.00' RT
MAG6	Magnetic Nail	4267723.419	5219050.363	877.017	150 + 93.96	21.09' LT
MAG7	Magnetic Nail	4268723.943	5219129.371	876.300	161 + 26.82	98.82' LT
MAG8	Magnetic Nail	4269802.245	5218856.079	866.406	172 + 87.80	20.15' LT
MAG9	Magnetic Nail	4270542.929	5218601.647	867.003	180 + 65.14	55.30' LT
MAG10	Magnetic Nail	4271459.402	5218314.995	872.440	190 + 23.35	65.06' LT
MAG11	Magnetic Nail	4272375.736	5218154.386	878.501	199 + 50.83	60.88' LT

CONRAD LANE

GATEWAY BLVD

NORTH BEND ROAD KY 237

LIMABURG RD

MATCHLINE STA. 139+00

MATCHLINE STA. 200+00

140+00 150+00 160+00 170+00 180+00 190+00 200+00

MAG5 869.74

MAG6 877.02

MAG7 876.30

MAG8 866.41

MAG9 867.00

MAG10 872.44

MAG11 878.50

PI 140+86.88
PI 147+17.00
PI 148+05.62
PI 149+69.04
PI 150+70.96
PI 151+69.06
PI 153+37.05
PI 158+53.17
PI 161+47.03
PI 163+96.55
PI 169+06.29
PI 172+52.88
PI 173+02.69
PI 174+34.24
PI 175+28.70
PI 178+71.64
PI 181+98.09
PI 186+12.10
PI 188+50.94
PI 190+69.66
PI 193+30.10
PI 196+74.06

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
PC	KY 237 MUP – Alt 2	4266783.248	5218734.385		139 + 39.18	
PI	KY 237 MUP – Alt 2	4266929.986	5218751.248		140 + 86.88	
PT	KY 237 MUP – Alt 2	4267075.472	5218776.743		142 + 34.50	
PC	KY 237 MUP – Alt 2	4267491.315	5218849.617		146 + 56.68	
PI	KY 237 MUP – Alt 2	4267550.735	5218860.030		147 + 17.00	
PT	KY 237 MUP – Alt 2	4267605.974	5218884.277		147 + 76.75	
PI	KY 237 MUP – Alt 2	4267632.410	5218895.881		148 + 05.62	
PI	KY 237 MUP – Alt 2	4267594.491	5219054.843		149 + 69.04	
PC	KY 237 MUP – Alt 2	4267675.343	5219072.878		150 + 51.88	
PI	KY 237 MUP – Alt 2	4267693.967	5219077.032		150 + 70.96	
PT	KY 237 MUP – Alt 2	4267713.005	5219078.311		150 + 89.97	
PC	KY 237 MUP – Alt 2	4267716.764	5219078.564		150 + 93.74	
PI	KY 237 MUP – Alt 2	4267791.915	5219083.615		151 + 69.06	
PT	KY 237 MUP – Alt 2	4267851.768	5219129.340		152 + 40.06	
PC	KY 237 MUP – Alt 2	4267860.104	5219135.708		152 + 50.55	
PI	KY 237 MUP – Alt 2	4267928.848	5219188.226		153 + 37.05	
PT	KY 237 MUP – Alt 2	4268015.349	5219187.023		154 + 17.12	
PC	KY 237 MUP – Alt 2	4268431.253	5219181.238		158 + 33.06	
PI	KY 237 MUP – Alt 2	4268451.366	5219180.959		158 + 53.17	
PT	KY 237 MUP – Alt 2	4268471.132	5219184.689		158 + 73.15	
PC	KY 237 MUP – Alt 2	4268674.549	5219223.086		160 + 80.16	
PI	KY 237 MUP – Alt 2	4268740.254	5219235.489		161 + 47.03	
PT	KY 237 MUP – Alt 2	4268805.006	5219218.815		162 + 11.74	

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
PC	KY 237 MUP – Alt 2	4268934.911	5219185.363		163 + 45.89	
PI	KY 237 MUP – Alt 2	4268983.977	5219172.728		163 + 96.55	
PT	KY 237 MUP – Alt 2	4269032.341	5219157.625		164 + 47.20	
PC	KY 237 MUP – Alt 2	4269376.494	5219050.152		168 + 07.74	
PI	KY 237 MUP – Alt 2	4269470.561	5219020.776		169 + 06.29	
PT	KY 237 MUP – Alt 2	4269562.497	5218985.291		170 + 04.76	
PC	KY 237 MUP – Alt 2	4269782.555	5218900.353		172 + 40.65	
PI	KY 237 MUP – Alt 2	4269793.971	5218895.946		172 + 52.88	
PT	KY 237 MUP – Alt 2	4269802.062	5218886.766		172 + 64.65	
PC	KY 237 MUP – Alt 2	4269818.212	5218868.441		172 + 89.07	
PI	KY 237 MUP – Alt 2	4269827.217	5218858.224		173 + 02.69	
PT	KY 237 MUP – Alt 2	4269840.160	5218853.984		173 + 15.67	
PC	KY 237 MUP – Alt 2	4269920.874	5218827.548		174 + 00.60	
PI	KY 237 MUP – Alt 2	4269952.845	5218817.076		174 + 34.24	
PT	KY 237 MUP – Alt 2	4269986.226	5218821.261		174 + 66.79	
PC	KY 237 MUP – Alt 2	4269991.322	5218821.901		174 + 71.93	
PI	KY 237 MUP – Alt 2	4270047.659	5218828.964		175 + 28.70	
PT	KY 237 MUP – Alt 2	4270100.602	5218808.452		175 + 83.16	
PC	KY 237 MUP – Alt 2	4270290.211	5218734.989		177 + 86.50	
PI	KY 237 MUP – Alt 2	4270369.600	5218704.230		178 + 71.64	
PT	KY 237 MUP – Alt 2	4270451.960	5218682.652		179 + 56.60	
PC	KY 237 MUP – Alt 2	4270648.475	5218631.166		181 + 59.75	
PI	KY 237 MUP – Alt 2	4270685.565	5218621.448		181 + 98.09	
PT	KY 237 MUP – Alt 2	4270722.502	5218611.163		182 + 36.43	
PC	KY 237 MUP – Alt 2	4270945.009	5218549.205		184 + 67.40	
PI	KY 237 MUP – Alt 2	4271084.405	5218510.390		186 + 12.10	
PT	KY 237 MUP – Alt 2	4271216.762	5218451.913		187 + 56.30	
PC	KY 237 MUP – Alt 2	4271254.591	5218435.200		187 + 97.65	
PI	KY 237 MUP – Alt 2	4271303.328	5218413.668		188 + 50.94	
PT	KY 237 MUP – Alt 2	4271355.508	5218402.889		189 + 03.82	
PC	KY 237 MUP – Alt 2	4271503.285	5218372.364		190 + 54.71	
PI	KY 237 MUP – Alt 2	4271547.627	5218363.205		190 + 99.99	
PT	KY 237 MUP – Alt 2	4271589.603	5218346.229		191 + 45.02	
PC	KY 237 MUP – Alt 2	4271707.946	5218298.368		192 + 72.68	
PI	KY 237 MUP – Alt 2	4271761.176	5218276.840		193 + 30.10	
PT	KY 237 MUP – Alt 2	4271817.900	5218267.939		193 + 87.01	
PC	KY 237 MUP – Alt 2	4272079.514	5218226.889		196 + 51.83	
PI	KY 237 MUP – Alt 2	4272101.473	5218223.443		196 + 74.06	
PT	KY 237 MUP – Alt 2	4272123.691	5218222.803		196 + 96.22	
PC	KY 237 MUP – Alt 2	4272332.943	5218216.774		199 + 05.56	

SCALE: 1"=200'

0' 200' 400' 800'

KY 237 MULTI-USE PATH
STA. 139+00 TO STA. 200+00
COORDINATE CONTROL SHEET

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: stephen DATE PLOTTED: October 26, 2018 | FILE NAME: C:\PW_WORKDIR\STEPHEN SEWELL\DMS48803\COORDINATE CONTROL SHEET 2.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R77



COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
PI	KY 237 MUP	4272440.865	5218213.665		200+13.53	
PT	KY 237 MUP	4272548.462	5218204.738		201+21.44	
PC	KY 237 MUP	4272909.360	5218174.797		204+83.58	
PI	KY 237 MUP	4272942.842	5218172.019		205+17.18	
PT	KY 237 MUP	4272975.391	5218163.696		205+50.62	
PC	KY 237 MUP	4273006.362	5218155.776		205+82.59	
PI	KY 237 MUP	4273021.105	5218152.005		205+97.80	
PT	KY 237 MUP	4273036.323	5218151.883		206+12.87	
PC	KY 237 MUP	4273124.329	5218151.173		207+00.88	
PI	KY 237 MUP	4273128.688	5218151.137		207+05.24	
PT	KY 237 MUP	4273133.021	5218151.607		207+09.59	
PC	KY 237 MUP	4273823.783	5218226.526		214+04.40	
PI	KY 237 MUP	4273848.324	5218229.187		214+29.09	
PT	KY 237 MUP	4273872.965	5218230.635		214+53.76	
PC	KY 237 MUP	4274091.960	5218243.500		216+73.13	
PI	KY 237 MUP	4274123.816	5218245.371		217+05.04	
PT	KY 237 MUP	4274155.595	5218248.258		217+36.95	
PC	KY 237 MUP	4274527.816	5218282.068		221+10.70	
PI	KY 237 MUP	4274540.370	5218283.208		221+23.31	
PT	KY 237 MUP	4274552.917	5218284.428		221+35.91	
PC	KY 237 MUP	4275017.354	5218329.567		226+02.54	
PI	KY 237 MUP	4275044.269	5218332.183		226+29.58	
PT	KY 237 MUP	4275070.002	5218340.494		226+56.41	
PC	KY 237 MUP	4275097.970	5218349.526		226+85.80	
PI	KY 237 MUP	4275119.344	5218356.429		227+08.26	
PT	KY 237 MUP	4275141.606	5218359.412		227+30.61	
PC	KY 237 MUP	4275515.354	5218409.483		231+07.69	
PI	KY 237 MUP	4275543.911	5218413.308		231+36.50	
PT	KY 237 MUP	4275571.853	5218406.282		231+64.62	
PC	KY 237 MUP	4275620.116	5218394.145		232+14.39	
PI	KY 237 MUP	4275639.940	5218389.160		232+34.83	
PT	KY 237 MUP	4275660.130	5218392.354		232+54.72	
PC	KY 237 MUP	4275712.875	5218400.698		233+08.12	
PI	KY 237 MUP	4275724.055	5218402.467		233+19.44	
PT	KY 237 MUP	4275735.336	5218403.388		233+30.74	
PC	KY 237 MUP	4276022.497	5218426.838		236+18.86	
PI	KY 237 MUP	4276127.115	5218435.381		237+23.83	
PT	KY 237 MUP	4276231.283	5218448.307		238+28.76	
PC	KY 237 MUP	4276659.655	5218501.465		242+60.42	
PI	KY 237 MUP	4276676.090	5218503.504		242+76.98	

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
PT	KY 237 MUP	4276691.857	5218498.433		242+93.02	
PC	KY 237 MUP	4276729.136	5218486.441		243+32.18	
PI	KY 237 MUP	4276743.037	5218481.970		243+46.78	
PT	KY 237 MUP	4276757.600	5218483.040		243+61.02	
PC	KY 237 MUP	4276827.503	5218488.177		244+31.12	
PI	KY 237 MUP	4276841.072	5218489.174		244+44.72	
PT	KY 237 MUP	4276852.264	5218496.909		244+57.68	
PC	KY 237 MUP	4276892.417	5218524.658		245+06.49	
PI	KY 237 MUP	4276907.978	5218535.411		245+25.41	
PT	KY 237 MUP	4276926.777	5218537.499		245+43.55	
PC	KY 237 MUP	4277353.101	5218584.849		249+72.49	
PI	KY 237 MUP	4277395.526	5218589.561		250+15.18	
PT	KY 237 MUP	4277437.110	5218579.929		250+57.05	
PC	KY 237 MUP	4277464.410	5218573.606		250+85.07	
PI	KY 237 MUP	4277502.675	5218564.743		251+24.35	
PT	KY 237 MUP	4277541.814	5218568.041		251+62.99	
POE	KY 237 MUP	4277584.021	5218571.597		252+05.35	

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
MAG12	Magnetic Nail	4273235.163	5218140.611	884.109	208+09.96	21.95' LT
MAG13	Magnetic Nail	4274304.811	5218247.58	889.617	218+88.09	26.60' LT
MAG14	Magnetic Nail	4275064.578	5218309.574	886.202	226+45.39	28.14' LT
MAG15	Magnetic Nail	4275743.268	5218377.767	883.092	233+37.16	26.18' LT
MAG16	Magnetic Nail	4276262.586	5218422.333	885.387	238+57.23	29.63' LT
MAG17	Magnetic Nail	4276847.864	5218481.231	883.872	244+48.05	11.68' LT
MAG18	Magnetic Nail	4277697.869	5218560.035	875.626	OUTSIDE LIMITS	

COORDINATE CONTROL POINTS

Point	Description	Description			Station	Offset
		North (Y)	East (X)	Elevation		
PI	Sidewalk_Cougar	4275640.1600	5218721.5578		13+08.06	
PT	Sidewalk_Cougar	4275638.9363	5218833.2930		14+19.70	
POE	Sidewalk_Cougar	4275634.9878	5219193.8077		17+80.23	
POB	Sidewalk_KY 20	4277572.3930	5218153.8620		15+38.31	
PC	Sidewalk_KY 20	4277584.6193	5218155.3303		15+50.62	
PI	Sidewalk_KY 20	4277626.8888	5218160.4067		15+93.20	
PT	Sidewalk_KY 20	4277624.1611	5218202.8925		16+18.82	
PI	Sidewalk_KY 20	4277621.8227	5218239.3152		16+55.31	
PI	Sidewalk_KY 20	4277607.1731	5218424.7265		18+41.30	
PI	Sidewalk_KY 20	4277600.4240	5218583.2832		20+00.00	
PC	Sidewalk_KY 20	4277600.4656	5218610.3400		20+27.06	
PI	Sidewalk_KY 20	4277600.4999	5218632.6150		20+49.34	
PT	Sidewalk_KY 20	4277599.2947	5218654.8574		20+71.60	
PC	Sidewalk_KY 20	4277597.8861	5218680.8513		20+97.63	
PI	Sidewalk_KY 20	4277593.9502	5218753.4882		21+70.37	
PT	Sidewalk_KY 20	4277595.3015	5218826.2192		22+43.05	
PI	Sidewalk_KY 20	4277597.0922	5218922.5943		23+39.45	
PI	Sidewalk_KY 20	4277597.4343	5218980.1103		23+96.96	
POE	Sidewalk_KY 20	4277596.2230	5219010.3510		24+27.23	

0' 200' 400' 800'

SCALE: 1"=200'

KY 237 MULTI-USE PATH
STA. 200+00 TO
COORDINATE CONTROL SHEET

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: Josh-c
DATE PLOTTED: December 15, 2020
FILE NAME: C:\PW_WORKDIR\DMS48803\COORDINATE CONTROL SHEET 3.DGN

PIPE DRAINAGE SHEET

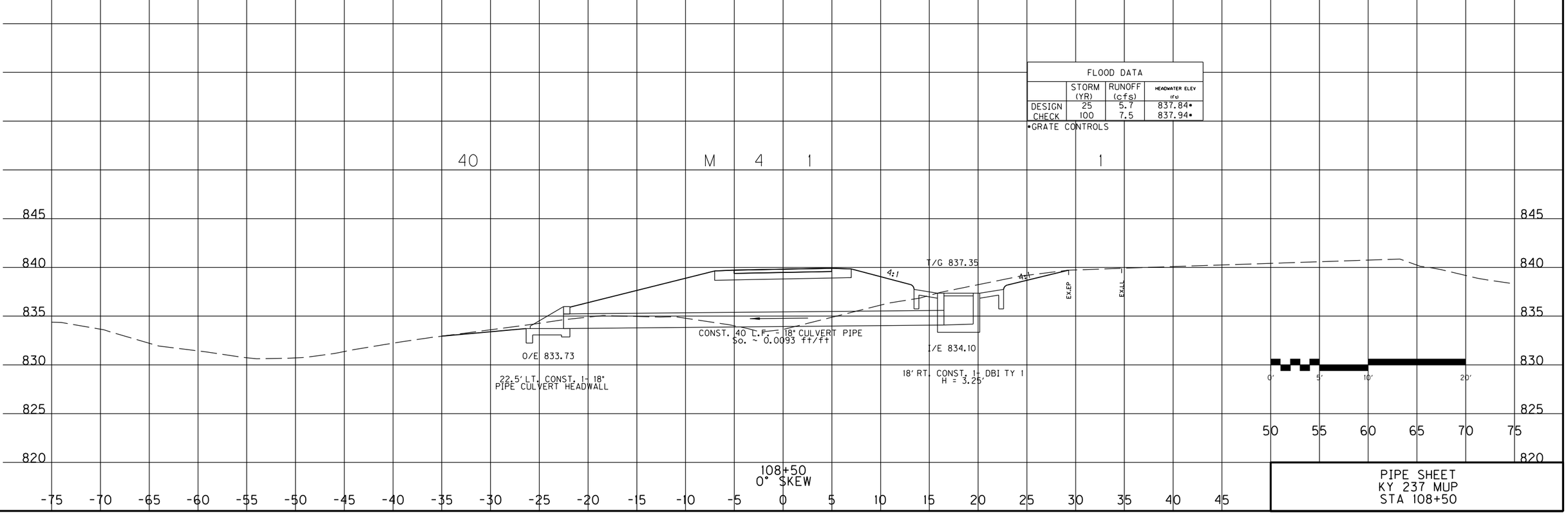
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R78

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE I	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	PIPE CULVERT HDWLL 42"	MANHOLE TYPE A		
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"														
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	5.7	837.84•
CHECK	100	7.5	837.94•

•GRATE CONTROLS

40 M 4 1 1



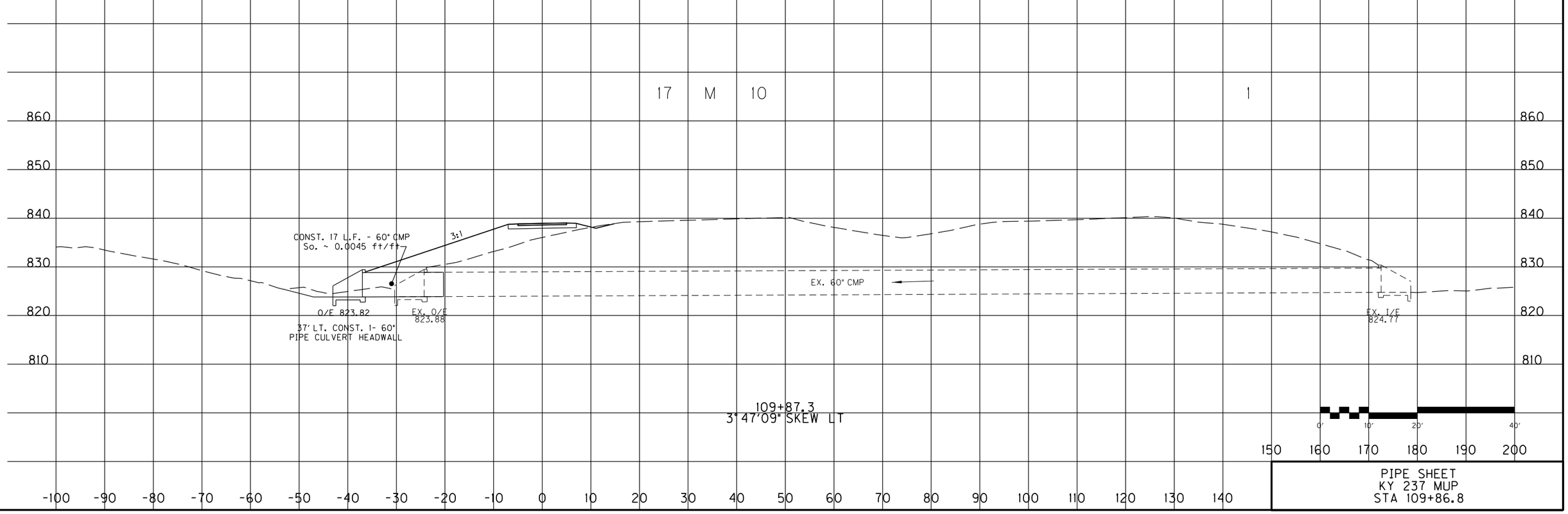
PIPE SHEET
KY 237 MUP
STA 108+50

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R79

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	PIPE CULVERT HDWLL 42"	PIPE CULVERT HDWLL 60"	MANHOLE TYPE A				
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	60"																	
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH				



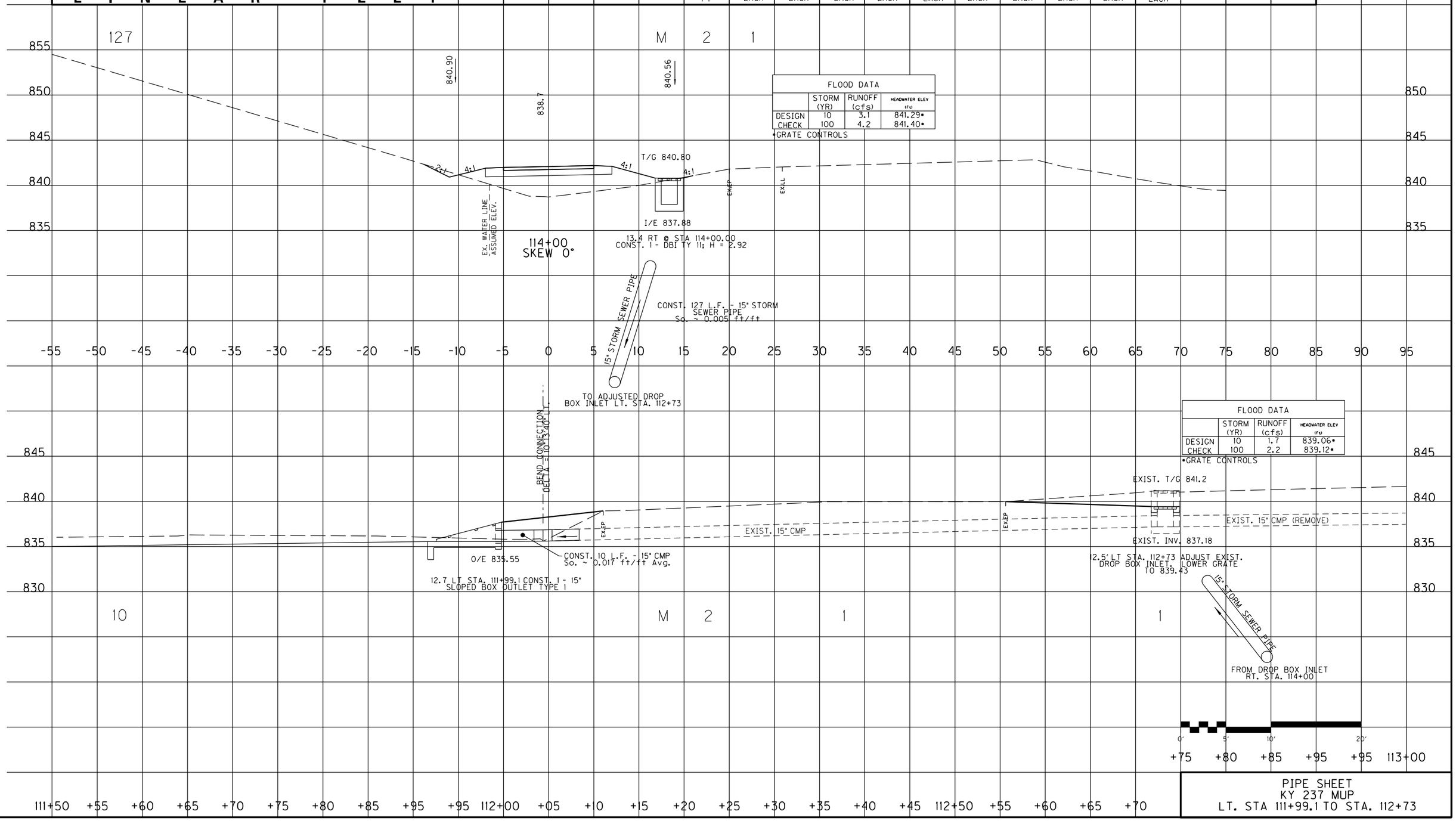
PIPE SHEET
KY 237 MUP
STA 109+86.8

FILE NAME: C:\PW_WORKDIR\DM5488IO\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R80

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 11	DBI TYPE 7	SLOPED BOX OUTLET TYPE 1	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	CULVERT HDWLL 42"	ADJUST INLET
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"												
L I N E A R F E E T														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
	127												M	2	1									



PIPE SHEET
KY 237 MUP
LT. STA 111+99.1 TO STA. 112+73

FILE NAME: C:\PW_WORKDIR\DM54880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

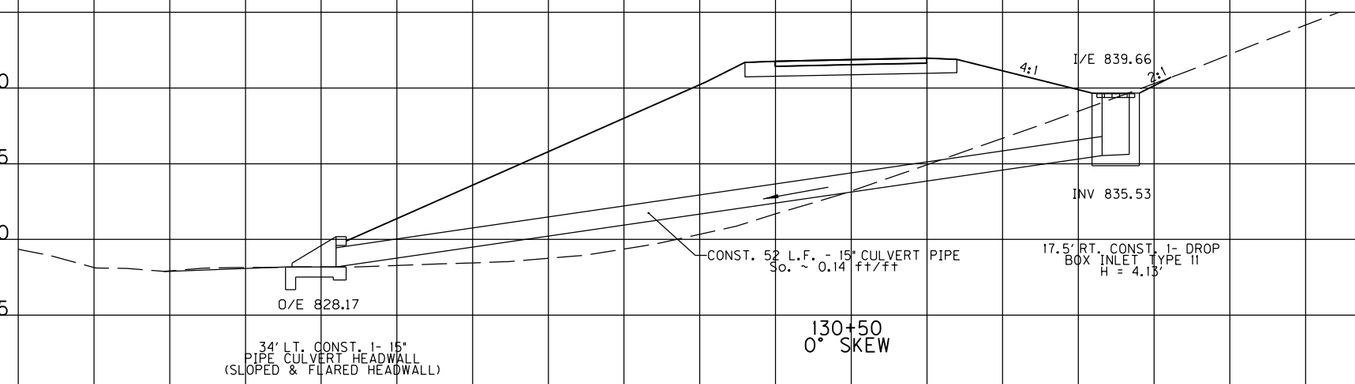
PIPE DRAINAGE SHEET

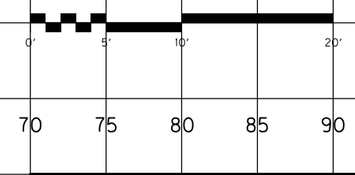
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R81

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 11	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	PIPE CULVERT HEADWALL 15"	S&F HDWLL 18"	S&F HDWLL 30"	CULVERT HDWLL 42"	MANHOLE TYPE A		
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"														
L I N E A R F E E T														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
							52						M	8	1					1						

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	3.7	840.13•
CHECK	100	4.5	840.26•

•GRATE CONTROLS





70 75 80 85 90 95

-55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65

PIPE SHEET
KY 237 MUP
STA. 130+50

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R82

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 5	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	CULVERT HDWLL 48"	MANHOLE TYPE A
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	48"												
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
							70						M	5						2				
							43						M	6						1				
													24	M	24									1

FLOOD EVALUATION DATA DRAINAGE AREA = 2.6 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (cfs)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	4.1	867.70	4.81
CHECK	100	4.8	868.22	5.15
ALLOWABLE HEADWATER 870.20 FT				
BASIS FOR AHW	Hw25/D = 1.4; Hw100/D = 1.8 100Yr. Allows 1.98' Freeboad at Ditch breakover			

O/E 865.60

35' LT. CONST. 1- 15" PIPE CULVERT HEADWALL (SLOPED & FLARED HEADWALL)

CONST. 70 L.F. 15" CULVERT PIPE
So. ~ 0.0064 ft/ft

152+90
SKEW 49° RT

Hw100

Hw25

I/E 865.95

35' RT. CONST. 1- 15" PIPE CULVERT HEADWALL (SLOPED & FLARED HEADWALL)

CONST. 43 L.F. - 15" CULVERT PIPE
So. ~ 0.016 ft/ft

EXIST. 15" PIPE

O/E 845.00

28.3' LT. CONST. 1- 15" PIPE CULVERT HEADWALL (SLOPED & FLARED HEADWALL)

EXIST. O/E 845.66

133+29.9
SKEW 6°56'55" LT

EXISTING 48" CMP

CONST. 24 L.F. - 48" CMP
So. ~ 0.024 ft/ft

EXIST. O/E 821.13

O/E 820.05

52' LT. CONST. 1- 48" PIPE CULVERT HEADWALL (30° SKEW)

131+62.8
39°47' SKEW LT

0' 5' 10' 20'

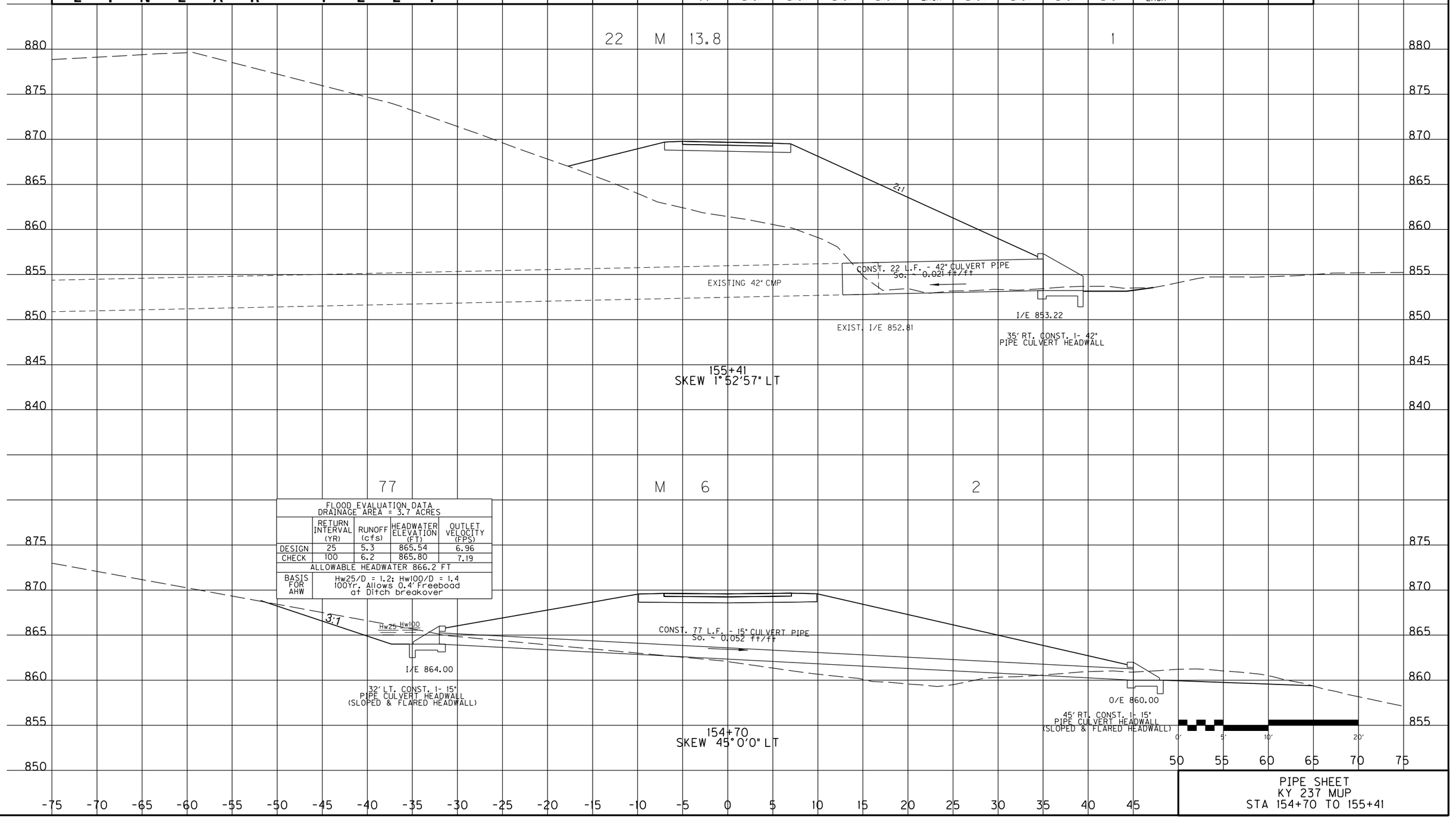
PIPE SHEET
KY 237 MUP
STA 131+61 TO STA 153+00

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R83

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	CULVERT HDWLL 42"	MANHOLE TYPE A
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"												
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
												22	M	13.8									1	



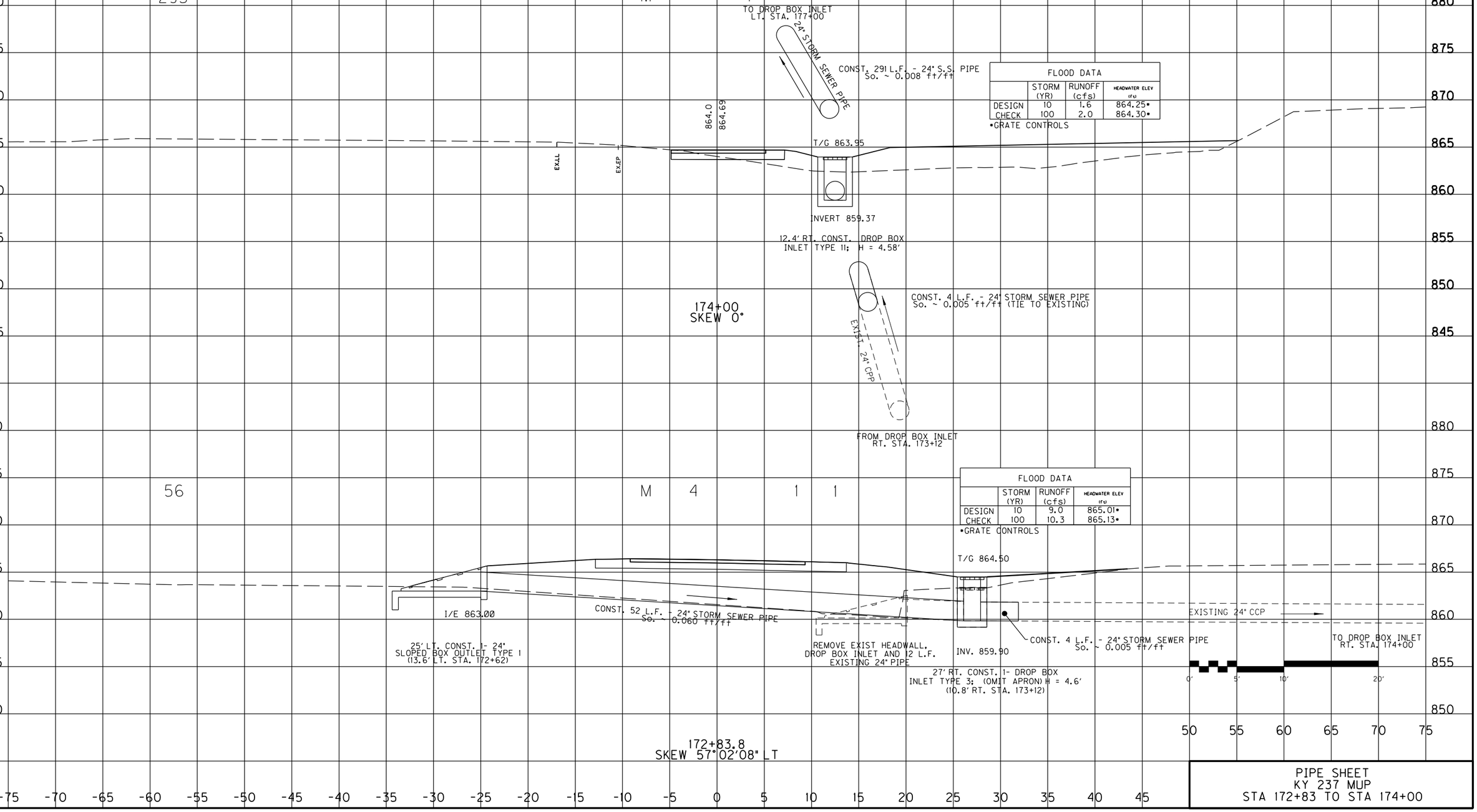
PIPE SHEET
KY 237 MUP
STA 154+70 TO 155+41

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R84

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 11	DBI TYPE 3	SLOPED BOX OUTLET TYPE 1	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	CULVERT HDWLL 42"	MANHOLE TYPE A
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"												
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
			295										M		1									



PIPE SHEET
KY 237 MUP
STA 172+83 TO STA 174+00

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R85

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE I	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	PIPE CULVERT HEADWALL 48"	MANHOLE TYPE A
12"	15"	18"	24"	30"	36"	48"	15"	18"	24"	30"	36"	48"												
L I N E A R F E E T														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
						46						4	M	7.3		1							1	

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	10	6.4	861.58•
CHECK	100	8.8	861.71•

•GRATE CONTROLS

FLOOD EVALUATION DATA DRAINAGE AREA = 16.05 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (cfs)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	10	26	859.53	2.54
CHECK	100	35	859.68	3.46
ALLOWABLE HEADWATER 860.40 FT				
BASIS FOR AHW	Hw100/D < 1 Hydraulic grade at DBI 7 used as tailwater values.			

T/G 861.04

CONST. 4 L.F. - 48" CULVERT PIPE
So. ~ 0.028 ft/ft

EXISTING 48" CMP

CONST. 42 L.F. - 48" S.S. PIPE
So. ~ 0.028 ft/ft

Hw100 Hw10

3:1

INVERT 856.04

23' LT. CONST. 1- DROP BOX INLET TYPE 7; H = 5'

REMOVE EXIST HEADWALL, AND 12 L.F. EXISTING 48" PIPE

178+62
SKEW 14° 45'36" LT

I/E 857.22

20.54' RT. CONST.
1- 48" PIPE CULVERT HEADWALL
(19.9' RT. STA. 178+66.8)

155 M 1

CONST. 155 L.F. - 30" S.S. PIPE
So. ~ 0.006 ft/ft

30" STORM SEWER PIPE

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	10	3.7	861.12•
CHECK	100	4.7	861.18•

•GRATE CONTROLS

EX.LL EX.EP

4:1

T/G 860.75

26.2' LT. CONST. DROP BOX INLET TYPE 1; H = 3.75'

INVERT 857.00

24" STORM SEWER PIPE

177+00
SKEW 0°

FROM DROP BOX INLET
RT. STA. 174+00

0' 5' 10' 20'

PIPE SHEET
KY 237 MUP
STA 177+00 TO STA 178+62

FILE NAME: C:\PW_WORKDIR\DM5488\0\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R86

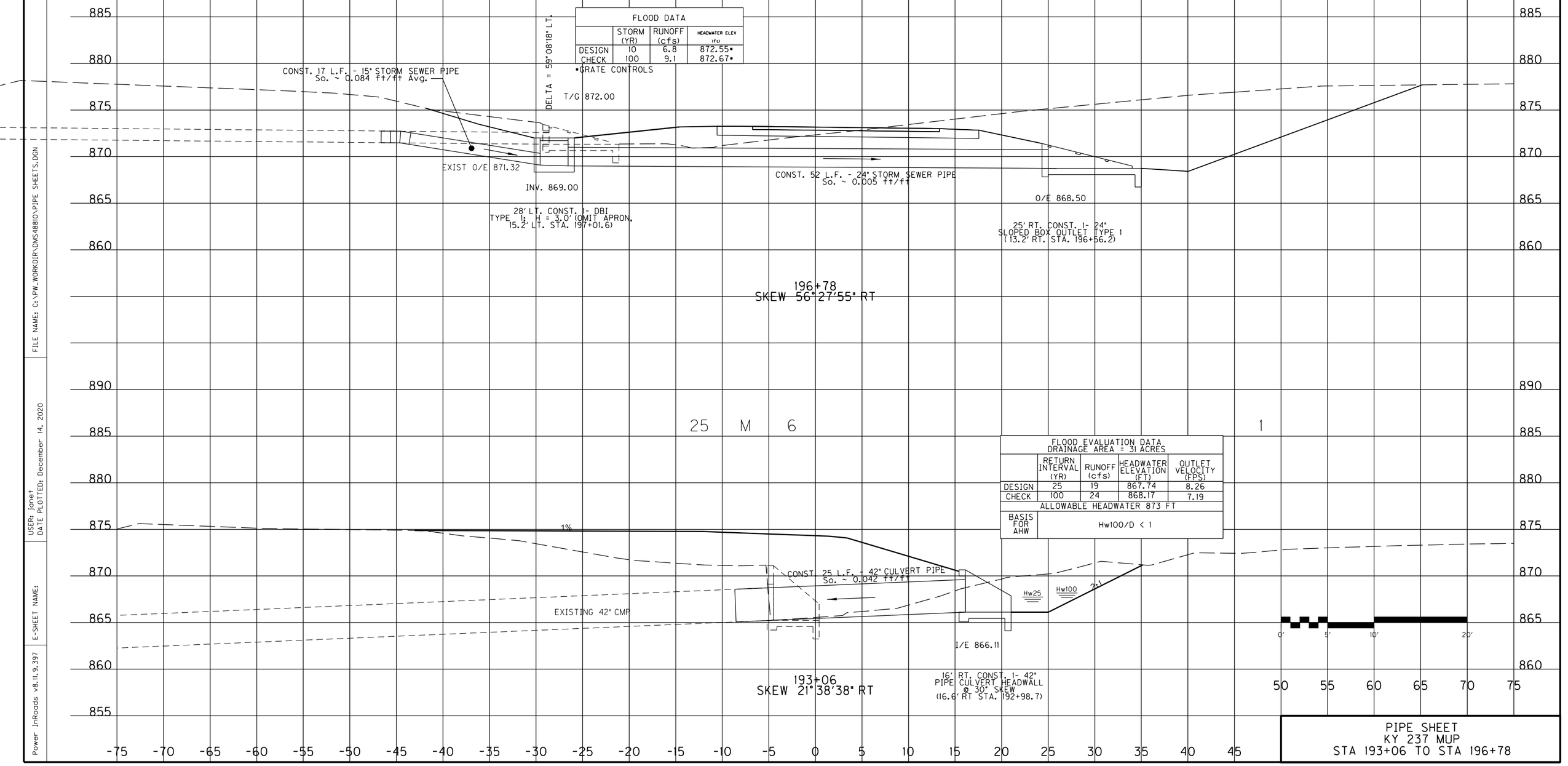
STORM SEWER PIPE

12"	15"	18"	24"	30"	36"	42"
LINEAR FEET						
	17		52			

CULVERT PIPE

15"	18"	24"	30"	36"	42"
LINEAR FEET					

DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 1	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	SLOPED BOX OUTLET TYPE 1 - 24"	S&F HDWLL 30"	CULVERT HDWLL 42"	MANHOLE TYPE A
	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
M	2	1							1			



FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	10	6.8	872.55•
CHECK	100	9.1	872.67•

•GRATE CONTROLS

FLOOD EVALUATION DATA DRAINAGE AREA = 31 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (cfs)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	19	867.74	8.26
CHECK	100	24	868.17	7.19
ALLOWABLE HEADWATER 873 FT				
BASIS FOR AHW	Hw100/D < 1			

PIPE SHEET
KY 237 MUP
STA 193+06 TO STA 196+78

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

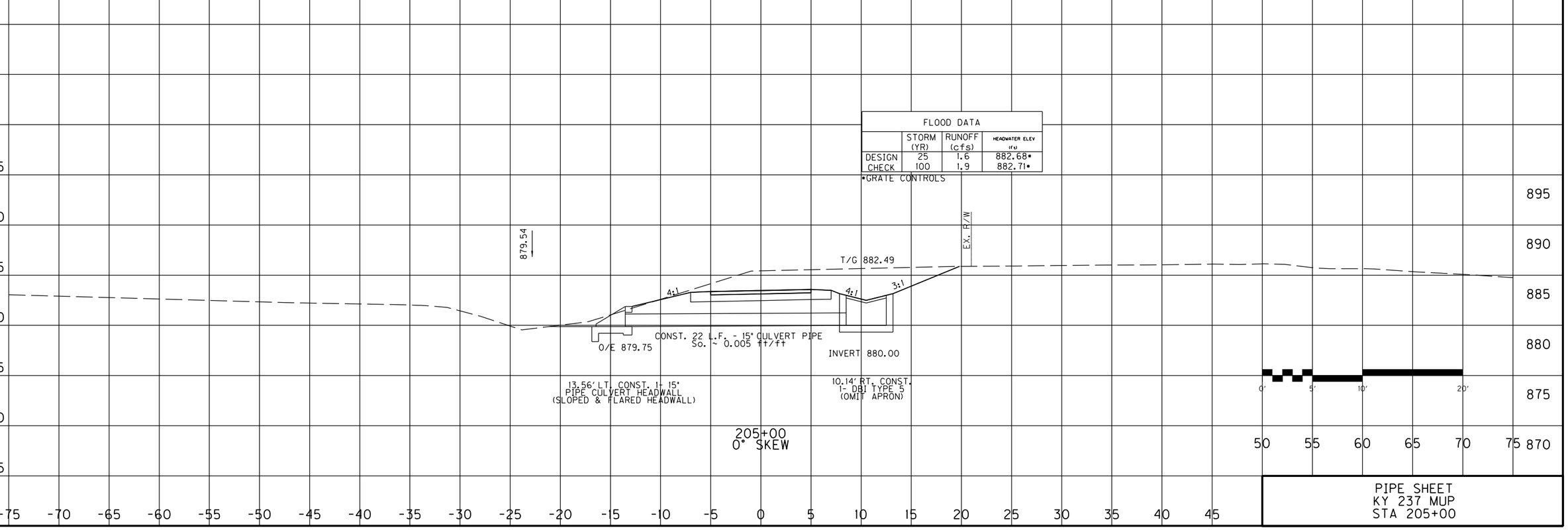
PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R87

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 5	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	PIPE CULVERT HEADWALL 15"	S&F HDWLL 18"	S&F HDWLL 30"	S&F HDWLL 42"	MANHOLE TYPE A						
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"																			
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH							
							22						M	2.4	1					1												

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	1.6	882.68•
CHECK	100	1.9	882.71•

•GRATE CONTROLS



PIPE SHEET
KY 237 MUP
STA 205+00

FILE NAME: C:\PW_WORKDIR\DM5488IO\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE		R88

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE I	DBI TYPE 7	S&P HDWLL 15°	S&P HDWLL 18°	S&F HDWLL 12°	PIPE CULVERT HEADWALL 15°	S&F HDWLL 18°	S&F HDWLL 30°	S&F HDWLL 42°	MANHOLE TYPE A
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"													
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
										16			M	4	2									

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	10	8.9	877.48•
CHECK	100	11.7	877.61•

•GRATE CONTROLS - DISCHARGE IS HALF

T/G 876.82

EXIST. 30" PIPE

30" PIPE

INV 873.32

35' RT. CONST. 2- DROP BOX INLET TYPE I H = 3.5' (36.5' RT. STA. 232+13.4)

CAP EXISTING DROP BOX INLET

CONST. 16 L.F. - 30" CULVERT PIPE So. ~ 0.021 ft/ft

232+24
SKEW 9°41'19" RT

85 M 5 1

FLOOD EVALUATION DATA DRAINAGE AREA = 1.2 ACRES				
	RETURN INTERVAL (YR)	RUNOFF (cfs)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	6.4	880.33	7.97
CHECK	100	7.4	880.51	8.27
ALLOWABLE HEADWATER 883.1 FT				
BASIS FOR AHW	Hw25/D = 0.94; Hw100/D = 1.1			

0.5%

I/E 878.86

32' LT. CONST. 1- 15" PIPE CULVERT HEADWALL (SLOPED & FLARED HEADWALL; 17.3' LT. STA.231+40)

CONST. 85 L.F. - 15" CULVERT PIPE So. ~ 0.056 ft/ft

SEE STA 232+34 FOR DBI INFO

INV 873.32

231+70
SKEW 56°08'16" LT

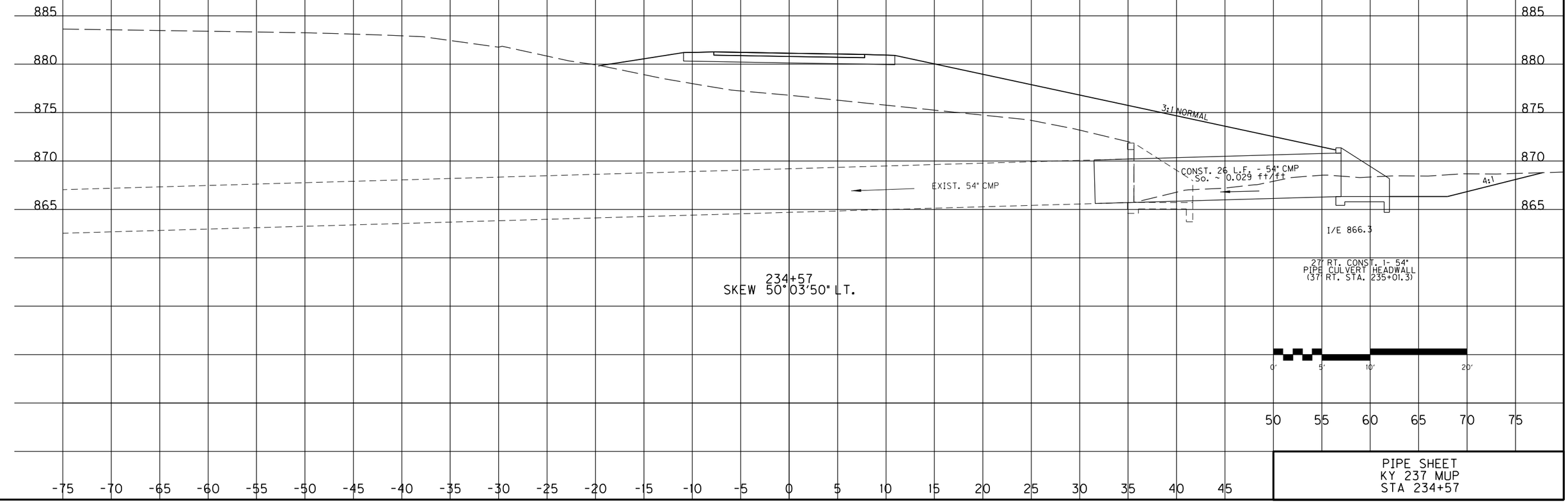
PIPE SHEET
KY 237 MUP
STA 231+70 TO STA 232+24

FILE NAME: C:\PW_WORKDIR\DM54880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE		R89

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	S&F HDWLL 18"	S&F HDWLL 30"	PIPE CULVERT HEADWALL 54"	MANHOLE TYPE A		
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	54"														
L I N E A R F E E T														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
												26	M	6										1			



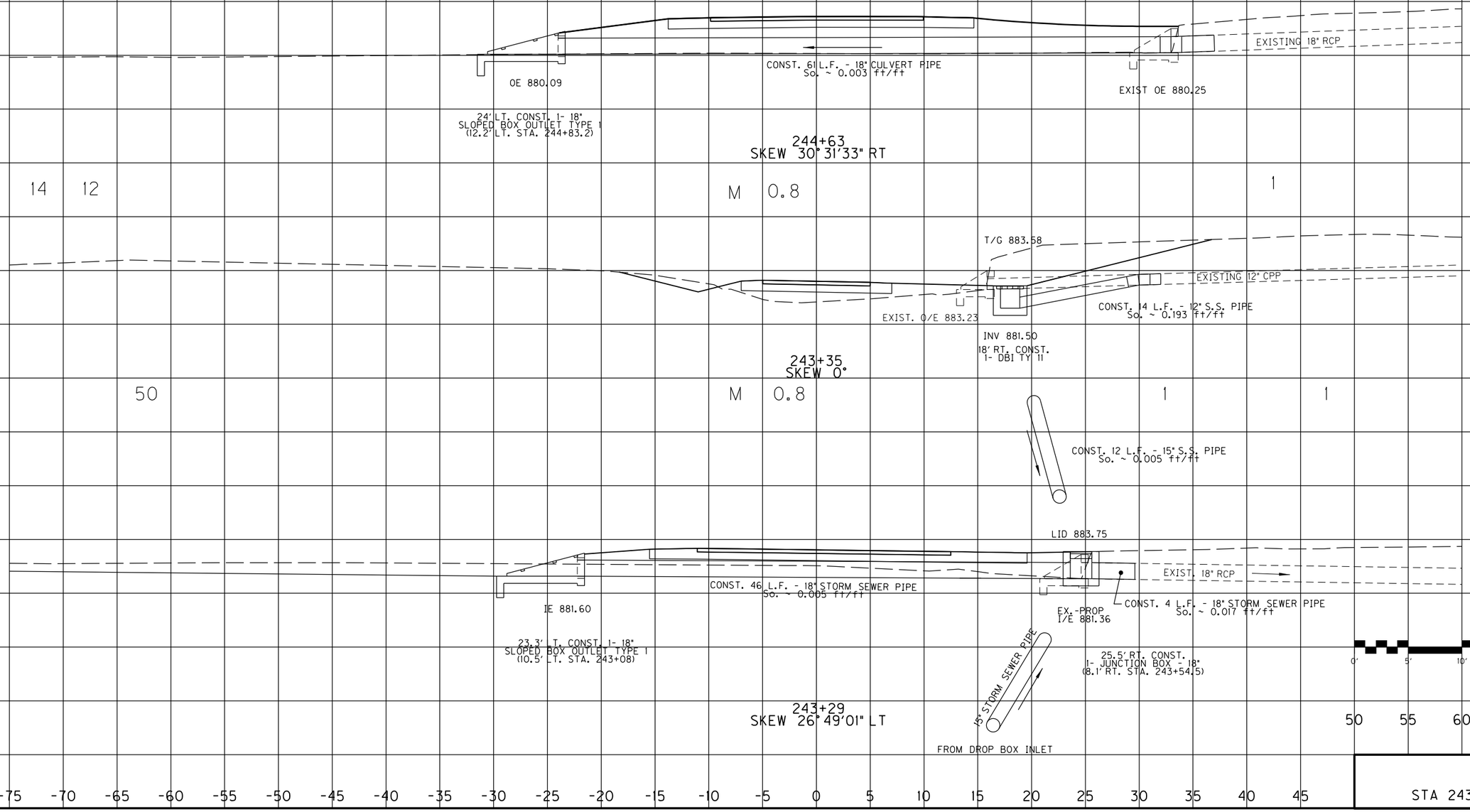
PIPE SHEET
KY 237 MUP
STA 234+57

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet | DATE PLOTTED: December 14, 2020 | FILE NAME: c:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R90

	STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	SSLOPED BOX OUTLET TYPE I	S&F HDWLL 30"	DBI TY 11	JUNCTION BOX - 18"			
	12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"															
	L I N E A R F E E T														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
895									61					M	0.6							1						895
890																												890
885																												885
880																												880
875																												875
890	14	12												M	0.8									1				890
885																												885
880																												880
875		50												M	0.8							1			1			875
890																												890
885																												885
880																												880
875																												875
870																												870



PIPE SHEET
KY 237 MUP
STA 243+29 TO STA 244+63

FILE NAME: C:\PW_WORKDIR\DMS4880\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

PIPE DRAINAGE SHEET

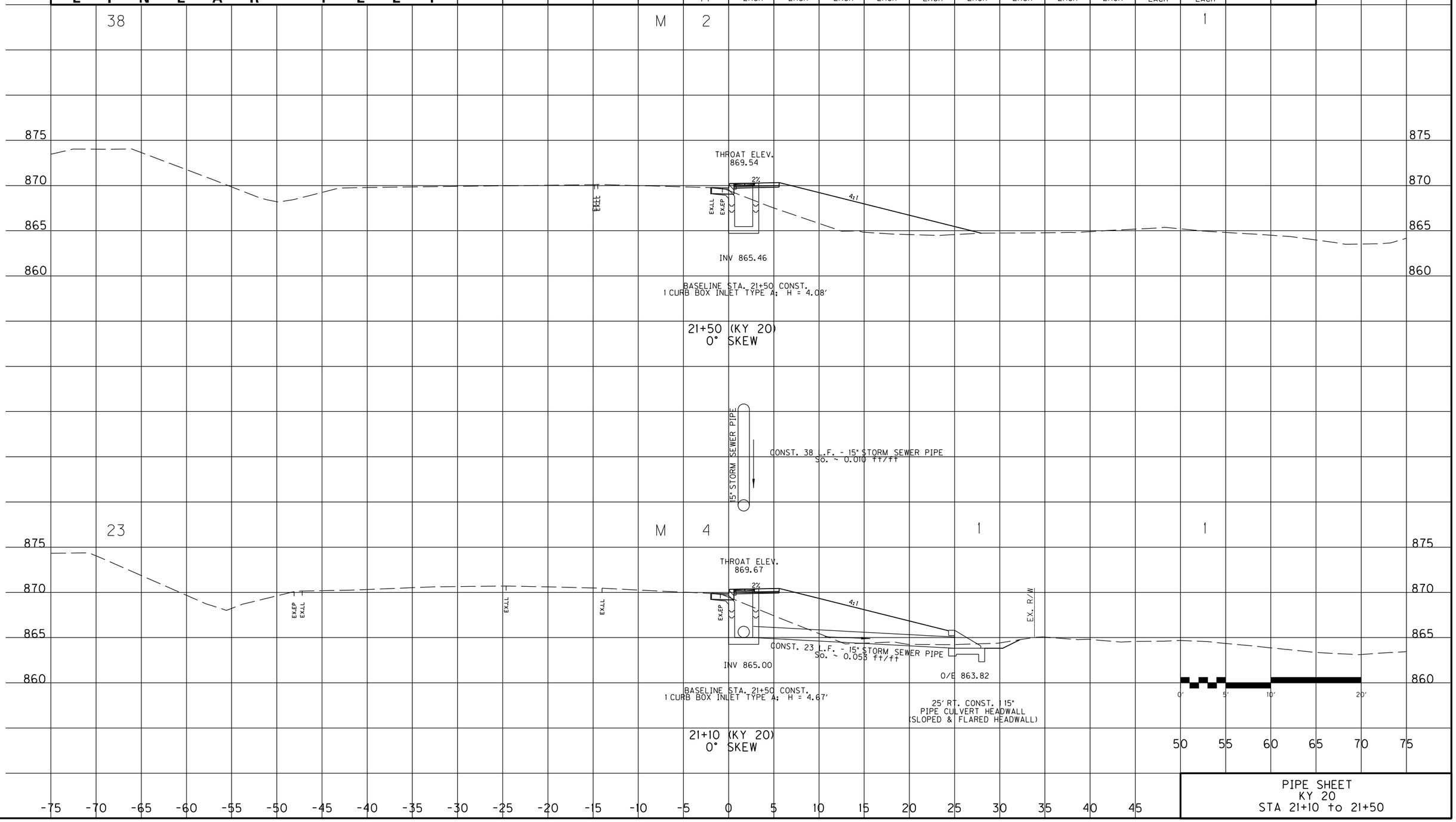
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R91

	STORM SEWER PIPE							CULVERT PIPE																				
	12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"	DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	S&F HDWLL 15"	SLOPED BOX OUTLET TYPE 1 18"	PIPE CULVERT HEADWALL 30"	S&F HDWLL 42"	CBI TY F	CBI TY A	
875	L	I	N	E	A	R		F	E	E	T				FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
											25			M	5									1			

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	R92

STORM SEWER PIPE							CULVERT PIPE						DESIGN PH LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 3	DBI TYPE 7	S&P HDWLL 15"	S&P HDWLL 18"	S&F HDWLL 12"	PIPE CULVERT HEADWALL 15"	SLOPED BOX OUTLET TYPE I	S&F HDWLL 24"	S&F HDWLL 42"	CBI TY F	CBI TY A
12"	15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"	42"													
LINEAR FEET														FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
	38												M	2											1
	23												M	4						1					1



PIPE SHEET
KY 20
STA 21+10 to 21+50

FILE NAME: C:\PW_WORKDIR\DMS488\0\PIPE SHEETS.DGN
USER: janet
DATE PLOTTED: December 14, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T01

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	ITEM DESCRIPTION
39	EACH	4780	FUSED CONNECTOR KIT
10	LIN FT	4792	CONDUIT 1 INCH RIGID STEEL
265	LIN FT	4795	CONDUIT 2 INCH RIGID STEEL
2	EACH	4811	ELECTRICAL JUNCTION BOX TYPE B
875	LIN FT	4820	TRENCHING AND BACKFILLING
555	LIN FT	4830	LOOP WIRE •
3450	LIN FT	4844	CABLE-NO. 14/5C
10040	LIN FT	4850	CABLE-NO. 14/1 PAIR
175	LIN FT	4885	MESSENGER WIRE - 10,800 LB
230	LIN FT	4895	LOOP SAW SLOT AND FILL
1	EACH	4942	REMOVE & REINSTALL POLE
14	EACH	20093NS835	INSTALL PEDESTRIAN HEAD LED
16	EACH	21743NN	INSTALL PEDESTRIAN DETECTOR
4.06	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
11	EACH	23222EC	INSTALL SIGNAL PEDESTAL
490	LIN FT	24900EC	PVC CONDUIT - 1 1/4" - SCHEDULE 80 PVC
110	LIN FT	24901EC	PVC CONDUIT - 2" - SCHEDULE 80 PVC
2	EACH	24955ED	REMOVE SIGNAL EQUIPMENT

• WHERE AFFECTED, LOOP LEAD-IN WIRE SHALL BE REPLACED ALL THE WAY TO THE CONTROLLER.

NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR SIGNAL TIMING ADJUSTMENTS. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP MATERIALS FOR INSTALL ITEMS AT KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622). THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR MATERIAL RELEASE. FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE MATERIALS UPON ARRIVAL.

1. CONTRACTOR SHALL SECURE THE SIGNATURES OF KYTC'S PROJECT ENGINEER AND THE ELECTRICAL CONTRACTOR'S FOREMAN ON THE PROJECT MATERIALS RELEASE FORM. IF THE RELEASE FORM IS NOT IN THE PROPOSAL, CONTACT TED SWANSEGAR OR KERRY ROBERTS WITH THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5540/502-782-5536) OR EMAIL (TED.SWANSEGAR@KY.GOV/KERRY.ROBERTS@KY.GOV).

2. CONTRACTOR SHALL CONTACT THE WAREHOUSE TO PREARRANGE PICK UP OF MATERIALS. CONTRACTOR SHALL EMAIL THE PROJECT MATERIALS RELEASE FORM WITH REQUIRED SIGNATURES TO THE WAREHOUSE AT KIM.STAMPER@KY.GOV AND SHALL NOTIFY THE WAREHOUSE BY PHONE (502-782-8994/502-330-8153) OR EMAIL KIM.STAMPER@KY.GOV AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL.

3. CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH OF THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5543/502-782-5547) OR EMAIL (JOE.THOMPSON@KY.GOV/LARRY.IRISH@KY.GOV) AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL TO FACILITATE PROGRAMMING OF ROUTERS.

4. CONTRACTOR SHALL ARRIVE AT THE KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622) AT THE PREARRANGED DATE/TIME FOR MATERIAL PICK UP. TO FACILITATE THIS PROCESS, ENSURE CONTRACTOR'S DELIVERY DRIVER HAS A COPY OF THE PROJECT MATERIALS RELEASE FORM WITH THE REQUIRED SIGNATURES.

ADD SENTENCE TO SECTION 835.17: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 03.02 POLES AND BASES INSTALLATION. B)
REVISION: REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES		DRILLED SHAFT DATA							
MAX SERVICE MOMENT (FT-KIPS)	DIAMETER (IN.)	DEPTH (FEET)				VERTICAL BARS		TIES OR SPIRAL	
		< 2:1 GROUND SLOPE		2:1 GROUND SLOPE*				BAR SIZE	SPACING OR PITCH (IN.)
		SOIL	ROCK	SOIL	ROCK	SIZE	TOTAL		
0-9.9	36	6	6	6.5	6	13	#8	#4	12
10-19.9	36	7	6	8	6	13	#8	#4	12
20-29.9	36	8	6	9	6	13	#8	#4	12
30-39.9	36	9	6	10	6	13	#8	#4	12
40-49.9	36	9.5	6	10.5	6	13	#8	#4	12
50-59.9	36	10	6	11	6	13	#8	#4	12
60-69.9	36	11	6	12	6	13	#8	#4	12
70-99.9	36	12.5	6	13.5	6	13	#8	#4	12
100-149.9	36	14.5	6	16	6	13	#8	#4	12
150-199.9	36	15.5	6	17.5	6	13	#8	#4	12
200-249.9	36	17	6	19.5	6	13	#8	#4	12
250-299.9	36	18.5	6.5	21	6.5	13	#8	#4	12
300-399.9	36	21	7	25	7	18	#8	#4	6
400-499.9	42	21.5	7.5	25	7.5	18	#8	#4	12
500-600	48	22.5	7.5	25.5	7.5	19	#9	#4	12

SUBSECTION: 03.13 LOOP INSTALLATION.
REVISION: REPLACE FIRST SENTENCE NOTE WITH THE FOLLOWING:
TWIST UNSHIELDED LOOP WIRES (IMSA 51-7) WITH 3 TO 5 TURNS PER FOOT FROM THE START OF THE HOMERUN TO THE JUNCTION BOX, CABINET, OR POLE. SLOT CAN BE WIDEN TO 1/2" to 5/8" TO HELP WITH THE INSTALLATION OF THE TWISTED WIRE.

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (PERMIT ONLY)
REVISION: REPLACE ENTIRE NOTE WITH THE FOLLOWING:
THE DEPARTMENT WILL MEASURE THE QUANTITY AS A EACH REMOVAL OF SIGNAL EQUIPMENT. THE CONTRACTOR SHALL DISPOSE ALL MATERIALS REMOVED FROM THE PROJECT IN ACCORDANCE WITH CABINET POLICY. THE CONTRACTOR SHALL TAKE ALL STEEL AND ALUMINUM POLES TO THE EQUIPMENT WAREHOUSE IN FRANKFORT, KENTUCKY. ALL OTHER MATERIALS (WITH EXCEPTION OF PLASTIC ITEMS AND WOOD POLES) SHALL BE TAKEN TO LOCATIONS IDENTIFIED BY THE DISTRICT TRAFFIC ENGINEER. THE CONTRACTOR SHALL CONTACT THE DIVISION OF EQUIPMENT (502-564-3916) TO SCHEDULE A TIME TO DELIVER STEEL AND ALUMINUM POLES TO THE EQUIPMENT WAREHOUSE. THE TRANSPORTATION OF THE MATERIALS WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING:
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

DESIGNED BY:
DATE SUBMITTED:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

BOONE

PROJECT NUMBERS:

TRAFFIC SIGNAL
ESTIMATE OF QUANTITIES
MEASUREMENT, CONST, AND MISC NOTES

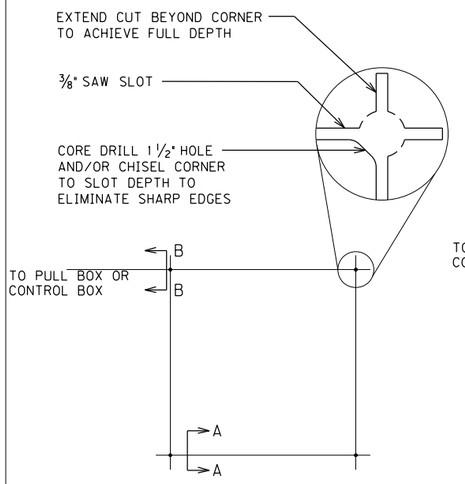
3-8-2021

MicroStation v8.11.9.536
E-SHEET NAME:
USER: dawn-s
DATE PLOTTED: May 7, 2021
FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-S\DMS488111\T1.DGN

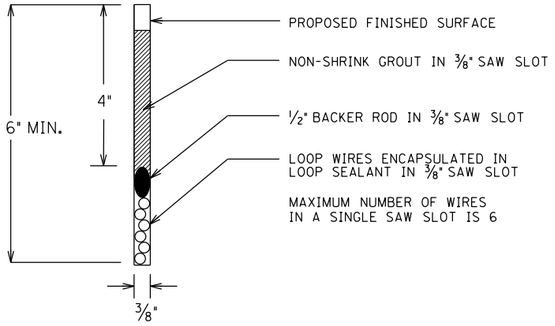
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T02

TWIST UNSHIELDED LOOP WIRES (IMSA 51-7) WITH 3 TO 5 TURNS PER FOOT FROM THE START OF THE HOMERUN TO THE JUNCTION BOX, CABINET, OR POLE. SLOT CAN BE WIDEN TO 1/2" to 5/8" TO HELP WITH THE INSTALLATION OF THE TWISTED WIRE.

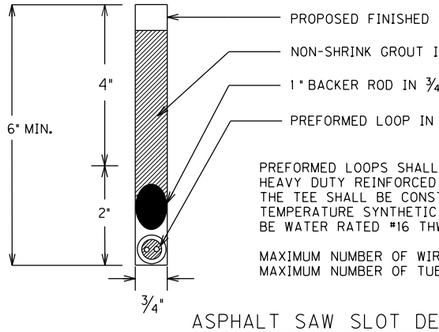
SECTION B-B (TWIST NOTE)
-FOR CANCELING OUT CROSSTALK



SAW CUT PLAN



SECTION A-A (SAW SLOT DETAIL)



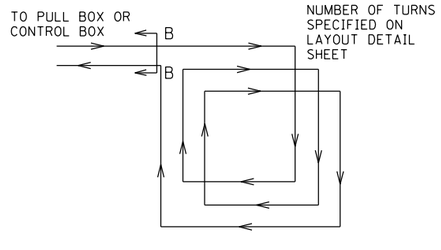
PREFORMED LOOPS SHALL BE CONSTRUCTED WITH 11/16" OR SMALLER HEAVY DUTY REINFORCED RUBBER HOSE (CLASS A OIL RESISANT). THE TEE SHALL BE CONSTRUCTED OF HEAVY DUTY HIGH TEMPERATURE SYNTHETIC RUBBER. STANDARD WIRE SHALL BE WATER RATED #16 THWN OR TFFN.

MAXIMUM NUMBER OF WIRES IN A TUBE PER SLOT IS 4.
MAXIMUM NUMBER OF TUBES PER SLOT IS 1.

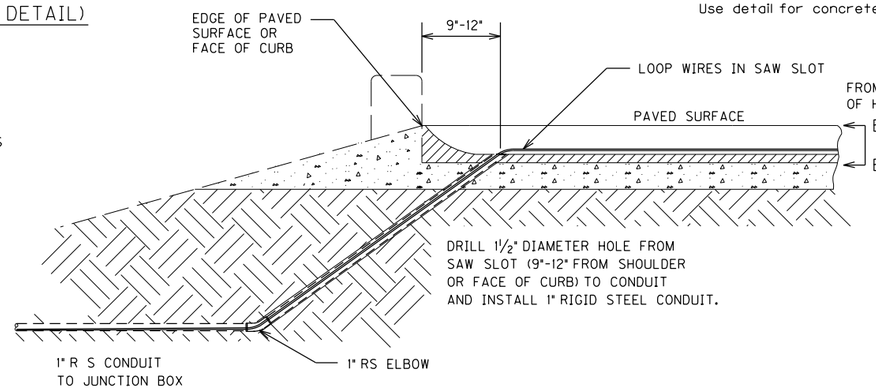
ASPHALT SAW SLOT DETAIL FOR PREFORMED
Use detail for concrete application if concrete is 4" or less



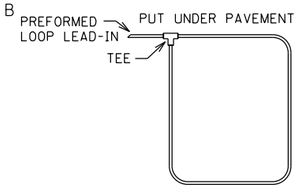
PREFORMED LOOP
CROSS SECTION



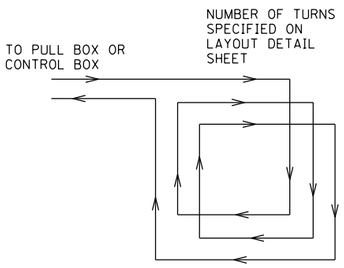
LOOP WIRE PLAN



SAW SLOT EDGE OF PAVEMENT TRANSITION

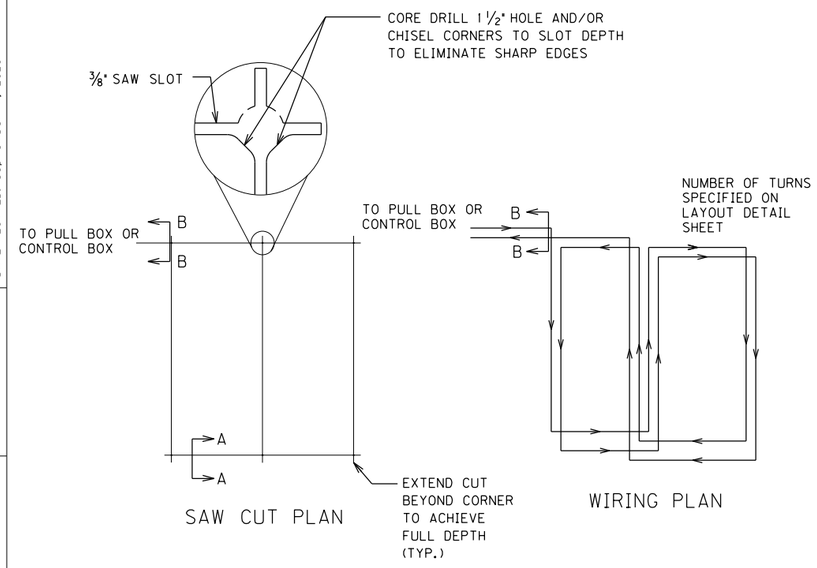


PREFORMED LOOP DIAGRAM



LOOP WIRE PLAN

6'X6' LOOP



SAW CUT PLAN

WIRING PLAN

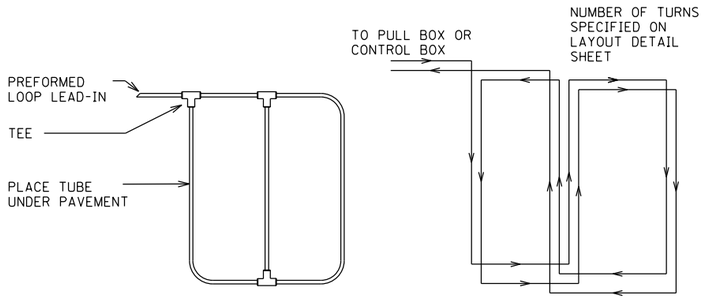
6'X30' QUADRAPOLE LOOP

CONSTRUCTION DETAILS FOR LOOP SAW SLOT AND FILL BID ITEM:
THE FOLLOWING IS A TYPICAL STEP BY STEP PROCEDURE FOR THE INSTALLATION OF A LOOP.

- CAREFULLY MARK THE SLOT TO BE CUT, PERPENDICULAR TO THE FLOW OF TRAFFIC AND CENTERED IN THE LANE.
- MAKE EACH SAW-CUT 3/8 INCH WIDE AND AT A DEPTH SUCH THAT THE TOP OF THE BACKER ROD IS A MINIMUM OF 4 INCHES BELOW THE SURFACE OF ASPHALT PAVEMENT.
- DRILL A 1 1/2 INCH CORE HOLE AT EACH CORNER AND USE A CHISEL TO SMOOTHE CORNERS TO PREVENT SHARP BENDS IN THE WIRE.
- CLEAN ALL FOREIGN AND LOOSE MATTER OUT OF THE SLOTS, DRILLED CORES, AND WITHIN 1 FOOT ON ALL SIDES OF THE SLOTS USING A HIGH PRESSURE WASHER.
- COMPLETELY DRY THE SLOTS, DRILLED CORES, AND WITHIN 1 FOOT ON ALL SIDES OF THE SLOTS.
- MEASURE 9-12 INCHES FROM THE EDGE OF THE PAVED SURFACE (SHOULDER BREAK OR FACE OF CURB) AND DRILL A 1 1/2 INCH HOLE ON A 45 DEGREE ANGLE TO THE CONDUIT ADJACENT TO THE ROADWAY.
- CLOSELY INSPECT ALL CUTS, CORES, AND SLOTS FOR JAGGED EDGES OR PROTRUSIONS PRIOR TO THE PLACEMENT OF THE WIRE. ALL JAGGED EDGES AND PROTRUSIONS SHALL BE GROUND OR RE-CUT AND CLEANED AGAIN.
- INSTALL 1" RIGID STEEL CONDUIT IN 45 DEGREE DRILLED SLOT. CONNECT CONDUIT TO 1" RIGID STEEL CONDUIT ADJACENT TO THE ROADWAY WITH RIGID STEEL ELBOW.
- PLACE THE LOOP WIRE SPLICE-FREE FROM THE TERMINATION POINT. SEE SECTION B-B NOTE.
- PUSH THE WIRE INTO THE SAW SLOT WITH A BLUNT OBJECT SUCH AS A WOODEN STICK. MAKE SURE THAT THE LOOP WIRE IS PUSHED FULLY TO THE BOTTOM OF THE SAW SLOT. SCREWDRIVERS SHALL NOT BE USED.
- INSTALL DUCT SEALANT TO A MINIMUM OF 1 INCH DEEP INTO THE CORED 1 1/2 INCH HOLE.
- APPLY LOOP SEALANT FROM THE BOTTOM UP AND FULLY ENCAPSULATE THE LOOP WIRES IN THE SAW SLOT. THE WIRE SHOULD NOT BE ABLE TO MOVE WHEN THE SEALANT HAS SET.
- COVER THE ENCAPSULATED LOOP WIRE WITH A CONTINUOUS LAYER OF BACKER ROD ALONG THE ENTIRE LOOP AND HOME RUN SAW SLOTS SUCH THAT NO VOIDS ARE PRESENT BETWEEN THE LOOP SEALANT AND BACKER ROD.
- FINISH FILLING THE SAW CUT WITH NON-SHRINKABLE GROUT PER MANUFACTURER'S INSTRUCTIONS. ALLEVIATE ALL AIR POCKETS AND REFILL LOW SPACES. THERE SHALL BE NO CONCAVE PORTION TO THE GROUT IN THE SAW SLOT. ANY EXCESS GROUT SHALL BE CLEANED FROM THE ROADWAY TO ALLEVIATE TRACKING.
- CLEAN UP THE SITE AND DISPOSE OF ALL WASTE OFF THE PROJECT.
- ENSURE THAT THE GROUT HAS COMPLETELY CURED PRIOR TO SUBJECTING THE LOOP TO TRAFFIC. CURING TIME VARIES WITH TEMPERATURE AND HUMIDITY.

6'x6' PREFORMED LOOP

PREFORMED LOOP LEAD-IN SHALL BE TWISTED WITH THREE TO FIVE TURNS PER FOOT UNTIL TERMINATED AT FIELD CONNECTIONS IN THE CABINET OR CONNECTED TO SHIELDED CABLE.



PREFORMED LOOP DIAGRAM

LOOP WIRE PLAN

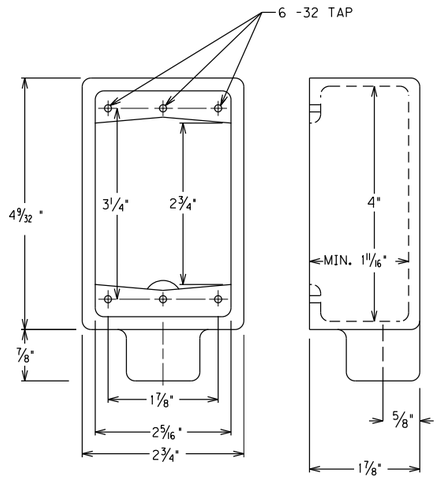
6'x30' QUADRAPOLE PREFORMED LOOP

LOOP DETAILS

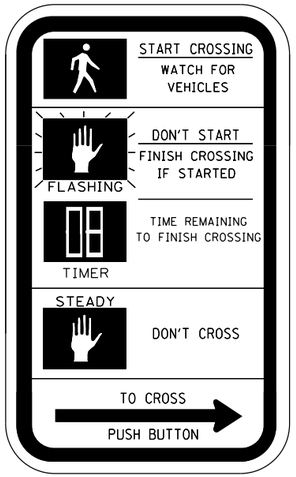
8/20/2019

FILE NAME: C:\PW_WORKDIR\DMS4881\T2.DGN
USER: down-s
DATE PLOTTED: September 11, 2020
E-SHEET NAME:
MicroStation v8.11.9.536

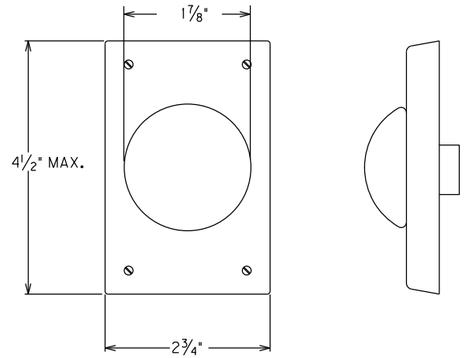
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T03



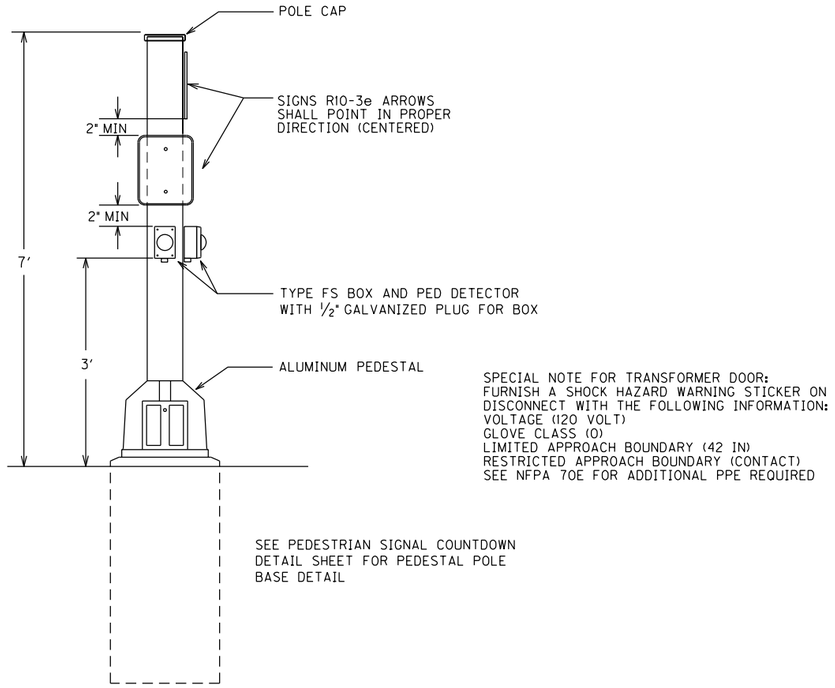
TYPE FS BOX FOR PED DETECTOR FOR USE WITH STEEL STRAIN POLE, WOOD POST, PEDESTAL, AND WOOD POLE



R10-3e SIGN (9" X 15") FOR COUNTDOWN ONLY

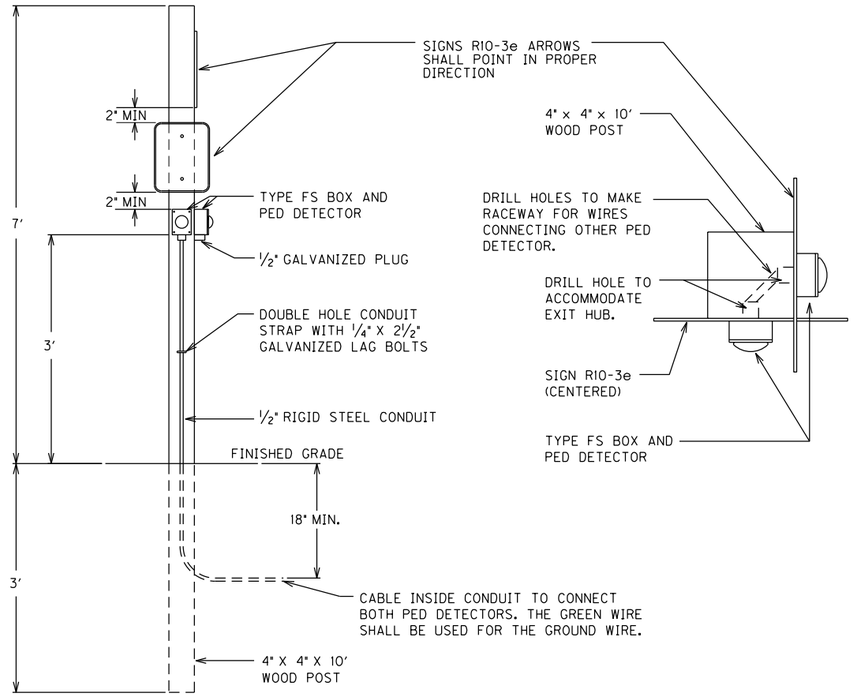


PED DETECTOR



PEDESTAL POST DETAIL FOR PED DETECTORS & SIGNS

#9 X 1 1/2" PAN HEAD OR ROUND HEAD WOOD SCREWS TO SECURE BOX TO POST. MINIMUM OF 2 SCREWS FOR EACH BOX. SCREWS SHALL BE INSTALLED DIAGONALLY.



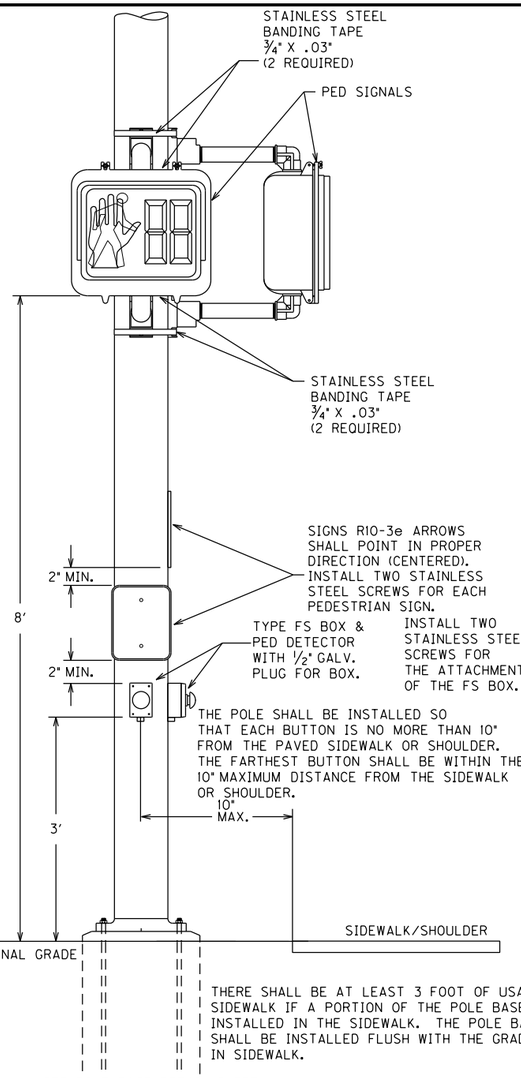
PED DETECTOR ON WOOD POST DETAIL

PEDESTRIAN DETECTOR DETAIL

4/23/2020

MicroStation v8.11.9.536 | E-SHEET NAME: | USER: dawn-s DATE PLOTTED: September 11, 2020 | FILE NAME: C:\PW_WORKDIR\DMS4881\T3.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T04

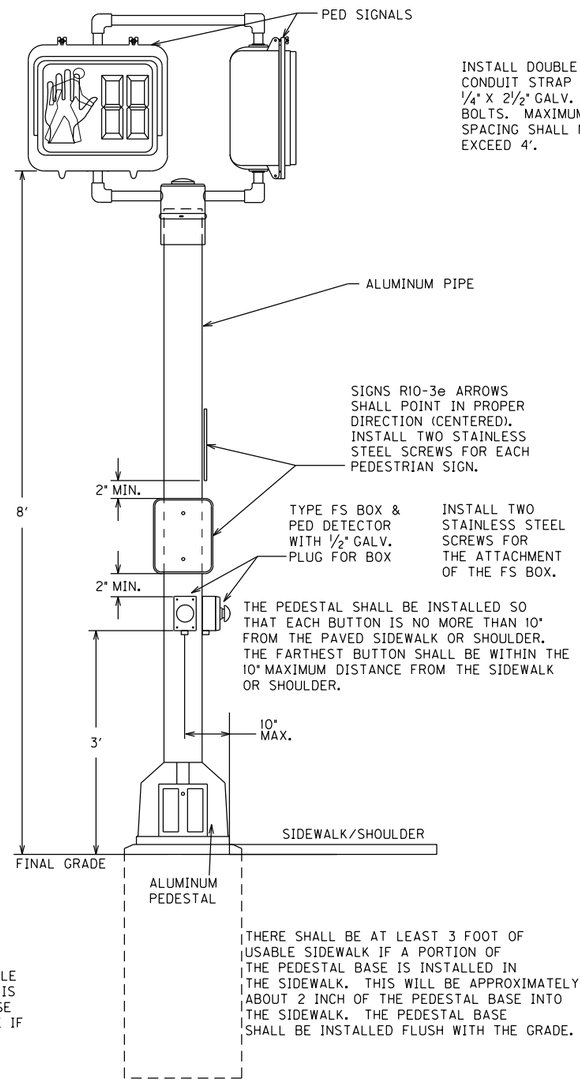


CONTRACTOR SHALL DRILL HOLES IN THE STEEL STRAIN POLE AND THE TYPE FS BOX NOT EXCEEDING ½" IN DIAMETER. CONTRACTOR SHALL USE A ROUND FILE TO REMOVE ALL BURRS AND SHARP EDGES FORM THE HOLES. WIRES SHALL BE PROTECTED WITH HEAT SHRINK TUBING OR VINYL TAPE WHERE THEY PASS THROUGH THE HOLES.

STEEL STRAIN POLE DETAIL FOR PED DETECTORS AND PED SIGNALS

NOTE:

ALL GROUNDING AND SPARE CONDUITS THAT ARE INSTALLED IN THE CONCRETE PEDESTAL POLE BASE ARE INCIDENTAL TO BID ITEM "23222EC". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CONCRETE BASE. AN ARROW SHALL BE ETCHED INTO THE TOP OF THE PEDESTAL BASE TO SHOW LOCATION AND DIRECTION OF THE SPARE CONDUIT.



CONTRACTOR SHALL DRILL HOLES IN THE PIPE AND THE TYPE FS BOX NOT EXCEEDING ½" IN DIAMETER. CONTRACTOR SHALL USE A ROUND FILE TO REMOVE ALL BURRS AND SHARP EDGES FROM THE HOLES. WIRES SHALL BE PROTECTED WITH HEAT SHRINK TUBING OR VINYL TAPE WHERE THEY PASS THROUGH THE HOLES.

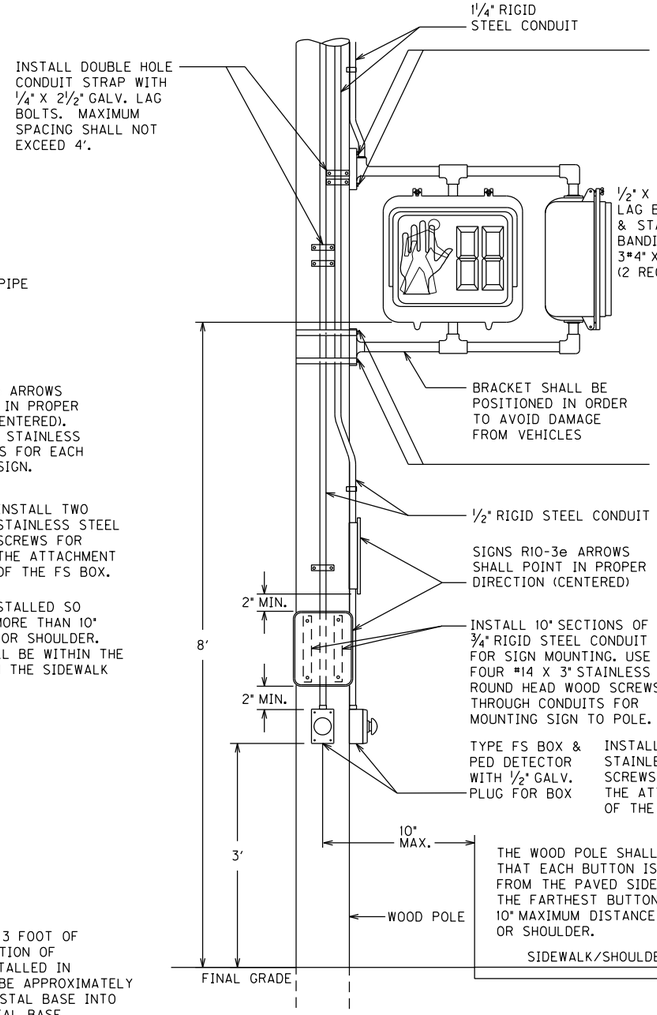
PEDESTAL POLE DETAIL FOR PED DETECTORS AND PED SIGNALS

GROUNDING REQUIREMENTS:

CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO THE TRANSFORMER BASE.

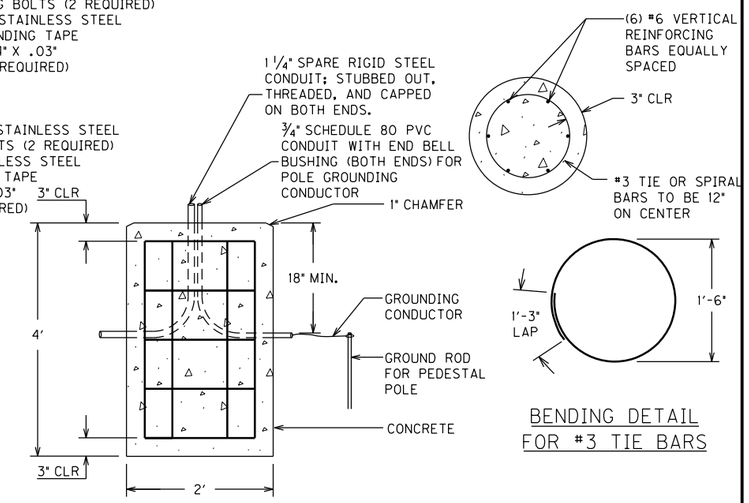
LEAVE TOP OF GROUND RODS EXPOSED FOR ELECTRICAL INSPECTION.

PEDESTAL POLE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO A GROUND LUG ON THE TRANSFORMER BASE AND THEN TO EACH RIGID STEEL GROUNDING BUSHING.
ALL GROUND RODS SHALL BE 24" FROM THE CONCRETE POLE BASE.



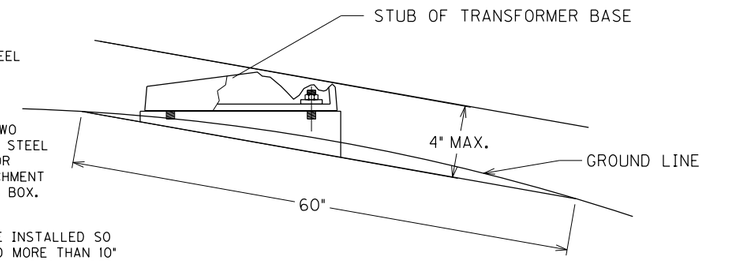
"9 X 1½" STAINLESS STEEL PAN HEAD OR ROUND HEAD WOOD SCREWS SHALL BE USED TO SECURE TYPE FS BOX TO POLE. A MINIMUM OF 2 SCREWS PER BOX, INSTALLED DIAGONALLY, SHALL BE USED.

WOOD POLE DETAIL FOR PED DETECTORS AND PED SIGNALS



PEDESTAL POLE BASE DETAIL

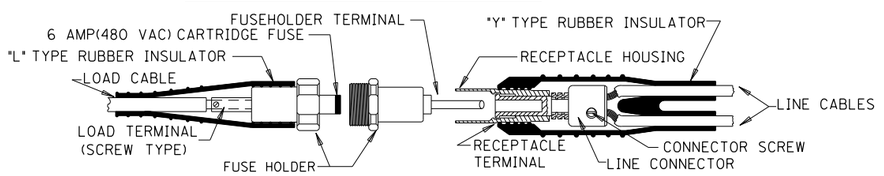
BENDING DETAIL FOR #3 TIE BARS



THE ANCHOR BOLTS AND CONDUITS SHALL NOT BE PROJECTED MORE 4 INCHES ABOVE A GROUND LINE BETWEEN THE STRADDLING WHEELS OF A VEHICLE.

BREAKAWAY SUPPORT STUB HEIGHT MEASUREMENT

BREAKAWAY FUSE CONNECTOR KIT



DETAILS OF TYPE HEB-JW-RYC CONNECTOR



TYPE HEB-JW-RYC CONNECTOR SHOWN

SPECIAL NOTE FOR THE TRANSFORMER BASE: FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRAIN HEADS AND SIGNALS HEADS. PEDESTRAIN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICESIN THE TRANSFORMER BASE. THERE SHALL BEA METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

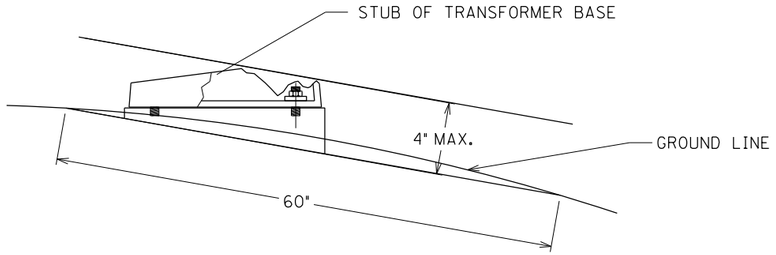
NOTE:
THE PEDESTAL BASE DOOR SHALL HAVE A 4" BY 6" SHOCK HAZARD WARNING STICKER INSTALL 3" FROM THE TOP OF THE DOOR. THE STICKER SHALL BE METALCRAFT PLY695 PREM STYLEMARK LABEL WITH .007 THICKNESS, WITH UV WHITE POLYCARBONATE MATERIAL, AND WITH MC53FL PRESSURE SENSITIVE ADHESIVE OR APPROVAL EQUAL. THIS SHALL BE INCIDENTAL TO THE PROJECT.

SPECIAL NOTE FOR THE TRANSFORMER BASE:
FURNISH A SHOCK HAZARD WARNING STICKER ON DISCONNECT WITH THE FOLLOWING INFORMATION:
VOLTAGE (120 VOLT)
GLOVE CLASS (0)
LIMITED APPROACH BOUNDARY (42 IN)
RESTRICTED APPROACH BOUNDARY (CONTACT)
SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

PEDESTRIAN SIGNAL COUNTDOWN DETAIL

FILE NAME: C:\PW_WORKDIR\DMS4881\T4.DGN
USER: down-s
DATE PLOTTED: September 11, 2020
E-SHEET NAME:
MicroStation v8.11.9.536
4/28/2020

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T05



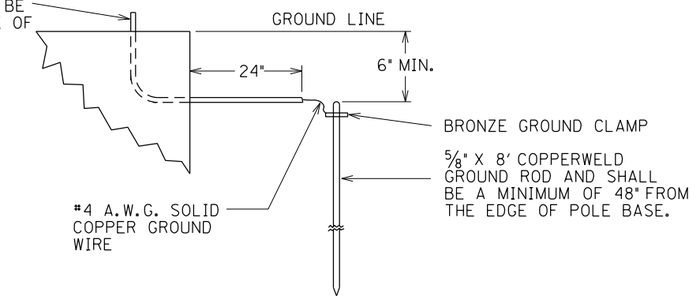
THE ANCHOR BOLTS AND CONDUITS SHALL NOT BE PROJECTED MORE 4 INCHES ABOVE A GROUND LINE BETWEEN THE STRADDLING WHEELS OF A VEHICLE.

BREAKAWAY SUPPORT STUB HEIGHT MEASUREMENT

DUCTED CABLE INSTALLED THROUGH 3" CONDUIT CROSSINGS TO LUMINAIRE POLE BASE: INSTALL DUCTED CABLE INTO THE POLE BASE. THE DUCT SHOULD BE EXTENDED 1" ABOVE THE CONDUIT. THE CONDUIT SWEEP SHOULD BE INSTALL ACCORDING TO THE MANUFACTURER OF THE DUCTED CABLE TO PREVENT THE DUCTED CABLE FROM CRIMPING.

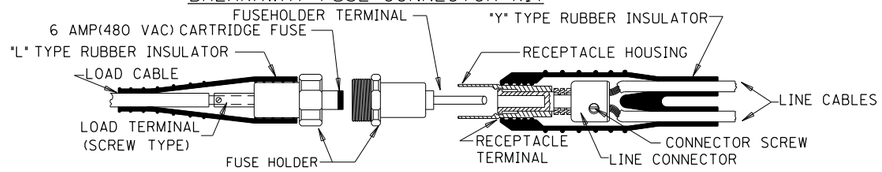
IF DUCTED CABLE INSTALLED BETWEEN POLE BASES:
INSTALL RIGID STEEL/DUCTED CABLE COUPLING. USE BONDUIT CONDUIT ADHESIVE OR APPROVED EQUAL TO CONNECT THE RIGID STEEL TO DUCTED CABLE. RACEWAYS SHALL BE THE SAME SIZE AS THE DUCTED CABLE WHICH ATTACHS TO THE RIGID STEEL CONDUIT. ALTERNATELY IF DUCTED CABLE IS USED, THE CONTRACTOR CAN INSTALL RIGID STEEL CONDUIT TWO TIMES THE SIZE OF THE DUCT AND RUN THE DUCT INSIDE THIS CONDUIT. THE SWEEP FOR THE CONDUIT SHALL BE INCREASED TO ADHERE TO THE BENDING RADIUS RECOMMENDED BY THE MANUFACTURER OF THE DUCT.

GROUNDING DETAIL

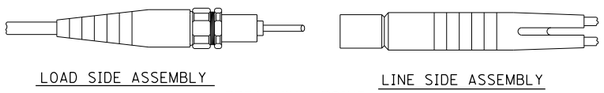


SPECIAL NOTE FOR THE TRANSFORMER BASE: FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRAIN HEADS AND SIGNALS HEADS. PEDESTRAIN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BEA METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

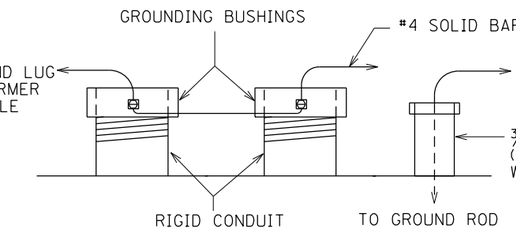
BREAKAWAY FUSE CONNECTOR KIT



DETAILS OF TYPE HEB-JW-RYC CONNECTOR



TYPE HEB-JW-RYC CONNECTOR SHOWN



TYPICAL GROUNDING DETAIL

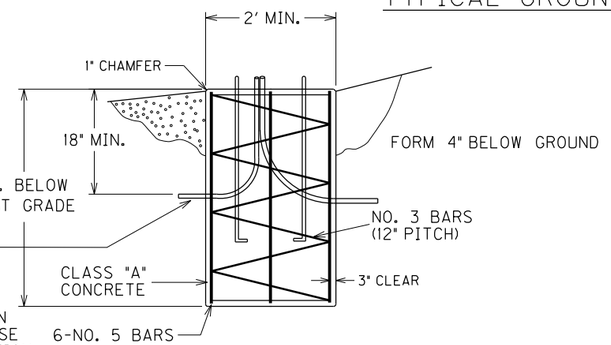
GROUNDING REQUIREMENTS:

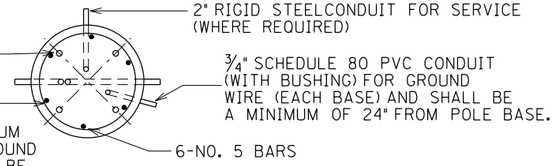
CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO TRANSFORMER BASE.

POLE/TRANSFORMER BASE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE TRANSFORMER BASE/POLE AND THEN TO EACH RIGID STEEL GROUNDING BUSHING.

NOTES:

ALL CONDUITS USED FOR THE GROUNDING, SPARES AND CONDUCTORS THAT ARE INSTALLED IN THE POLE BASE ARE INCIDENTAL TO BID ITEM "4740". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE POLE BASE.

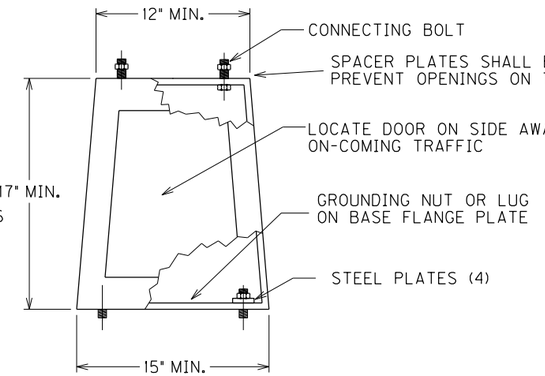




ALL POLE BASES SHALL HAVE A MINIMUM OF TWO CONDUITS (NOT INCLUDING GROUND CONDUIT). THE SPARE CONDUIT SHALL BE 180 DEGREE FROM THE CONDUIT FOR THE CONDUCTORS.

NOTE: PRECAST CONCRETE BASES ARE NOT ACCEPTABLE

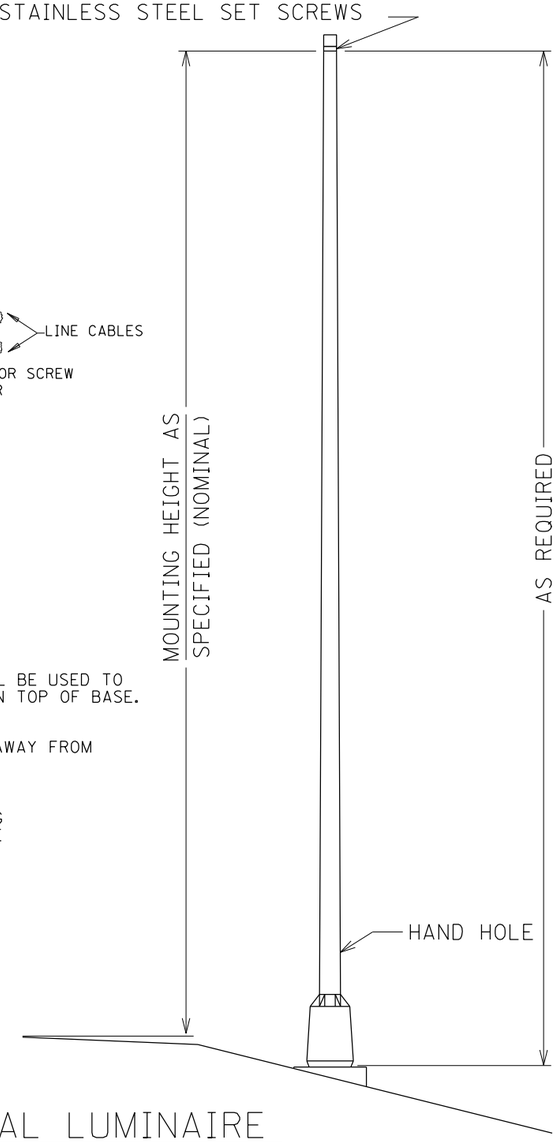
FOUNDATION DETAIL



CONCRETE BASES SHALL BE POURED LEVEL. NO MORE THAN A ⅜" GAP SHALL EXIST BETWEEN CONCRETE BASE AND TRANSFORMER BASE WHEN THE POLE IS PLUMBED.

TYPICAL CAST ALUMINUM TRANSFORMER BASE

NOTE:
THE TRANSFORMER BASE DOOR SHALL HAVE A 4" BY 6" SHOCK HAZARD WARNING STICKER INSTALL 3" FROM THE TOP OF THE DOOR. THE STICKER SHALL BE METALCRAFT PLY695 PREM STYLEMARK LABEL WITH .007 THICKNESS, WITH UV WHITE POLYCARBINATE MATERIAL, AND WITH MC53FL PRESSURE SENSTIVE ADHESIVE OR APPROVAL EQUAL. THIS SHALL BE INCIDENTAL TO PROJECT.



SIGNAL LUMINAIRE

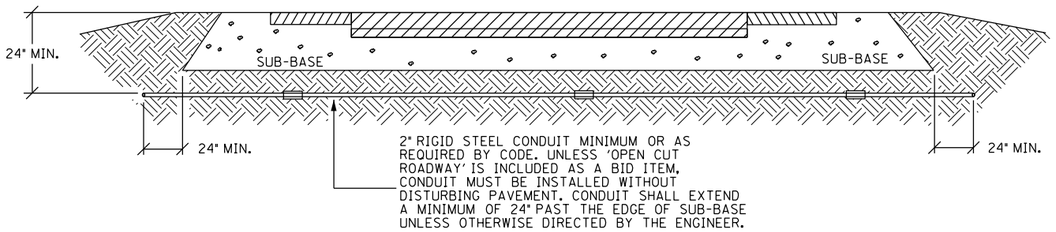
SPECIAL NOTE FOR THE TRANSFORMER BASE:
FURNISH A SHOCK HAZARD WARNING STICKER ON DISCONNECT WITH THE FOLLOWING INFORMATION:
VOLTAGE (120 VOLT)
GLOVE CLASS (0)
LIMITED APPROACH BOUNDARY (42 IN)
RESTRICTED APPROACH BOUNDARY (CONTACT)
SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

SIGNAL
TRANSFORMER BASE DETAIL

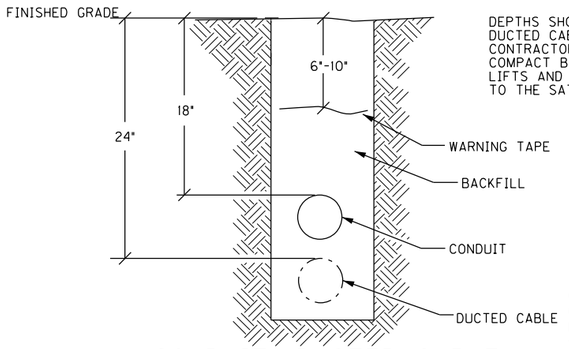
4/28/2020

FILE NAME: C:\PW_WORKDIR\DMS4881\1T5.DGN
USER: dawn-s
DATE PLOTTED: September 14, 2020
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T06



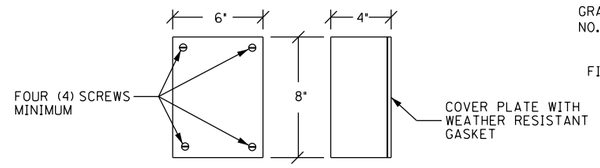
CONDUIT INSTALLATION UNDER EXISTING PAVEMENT DETAIL



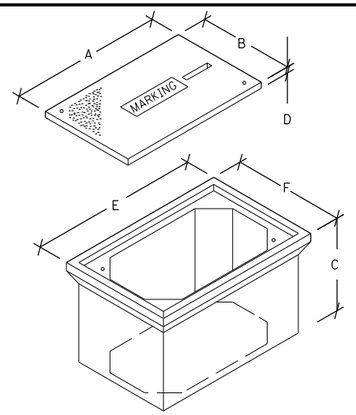
DEPTHS SHOWN FOR CONDUIT AND DUCTED CABLE ARE MINIMUMS. CONTRACTOR SHALL PLACE AND COMPACT BACKFILL IN 9" MAXIMUM LIFTS AND RETORE DISTURBED AREA TO THE SATISFACTION OF THE ENGINEER.

CONDUIT, DUCTED CABLE, AND WARNING TAPE TRENCH

ABOVE GROUND BOX SHALL BE FABRICATED FROM MINIMUM 12 GAUGE STEEL AND GALVANIZED AFTER FABRICATION. BOXES SHALL HAVE NO KNOCKOUTS AND SHALL BE PROVIDED WITH A PLATE COVER WITH A WEATHER RESISTANT GASKET AND A MINIMUM OF FOUR SCREWS FOR ATTACHING THE PLATE COVER TO THE BOX. CABLE CLAMPS SHALL BE PROVIDED FOR CABLES ENTERING AND EXITING THE BOX.



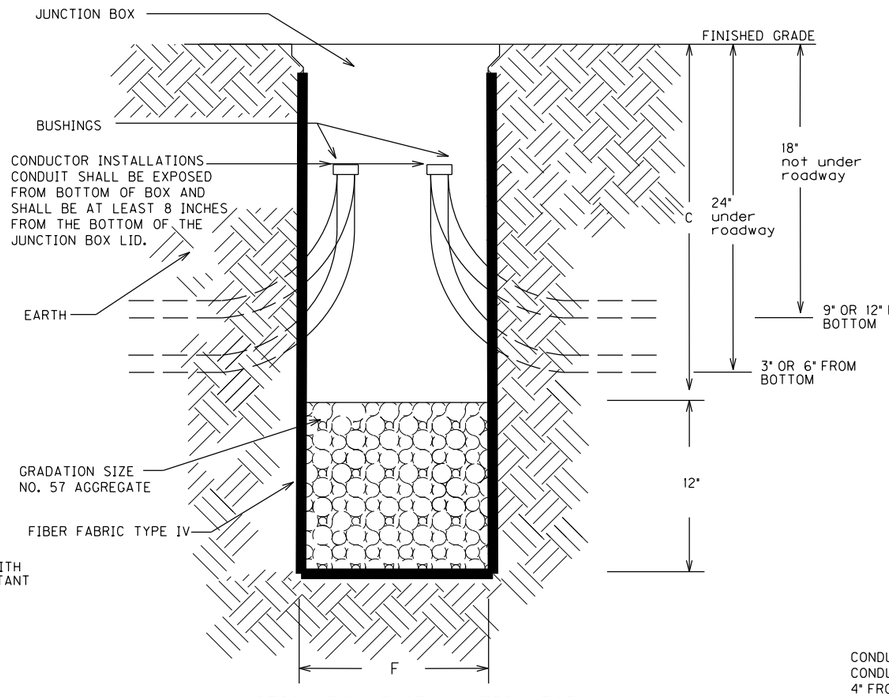
ABOVE GROUND BOX



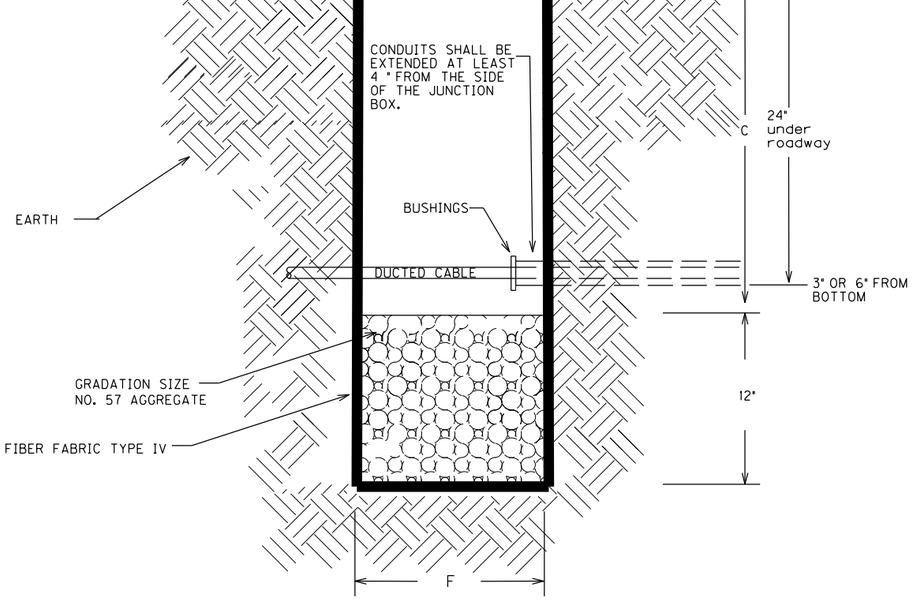
JUNCTION BOX DIMENSIONS (NOMINAL)						
	A	B	C	D	E	F
TYPE A	23"	14"	27"	2"	25"	15"
TYPE B	18"	11"	12"	1¾" •	20"	13"
TYPE C	36"	24"	30"	3"	38"	26"

• MINIMUM

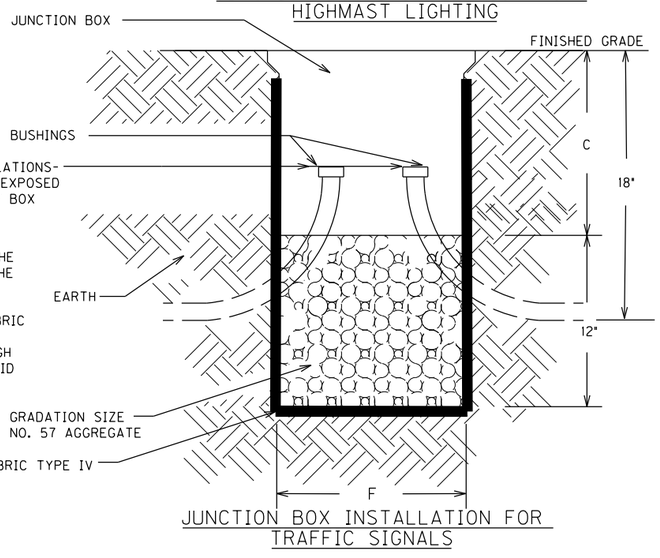
NOTE: STACKABLE BOXES ARE PERMITTED



JUNCTION BOX INSTALLATION FOR CONVENTIONAL LIGHTING

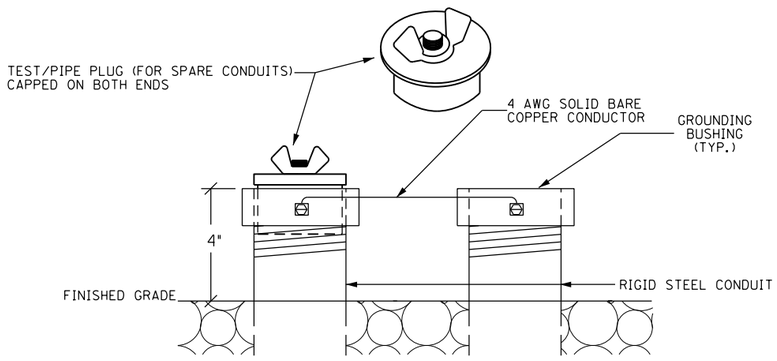


JUNCTION BOX INSTALLATION FOR HIGHMAST LIGHTING

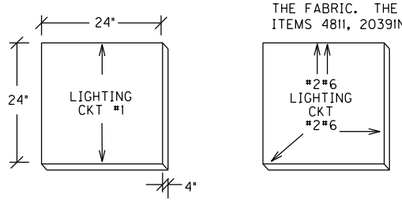


JUNCTION BOX INSTALLATION FOR TRAFFIC SIGNALS

BEFORE THE INSTALLATION OF THE #57 AGGREGATE AND JUNCTION BOX, THE CONTRACTOR SHALL INSTALL GEOTEXTILE FILTER FABRIC TYPE IV IN THE HOLE. THE FABRIC SHALL EXTEND TO JUST BELOW THE LIP OF THE JUNCTION BOX AND SHALL BE CONTINUOUSLY ADHERED TO THE EXTERIOR OF THE BOX WITH ADHESIVE. ANY LOCATIONS WHERE CONDUITS ENTER THE BOX, THE FABRIC SHALL BE "X CUT" ONLY AS MUCH AS NECESSARY TO ALLOW PASSAGE OF EACH INDIVIDUAL CONDUIT THROUGH THE FABRIC. THE FABRIC SHALL BE INCIDENTAL TO BID ITEMS 4811, 20391NS835, OR 20392NS835.



TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL



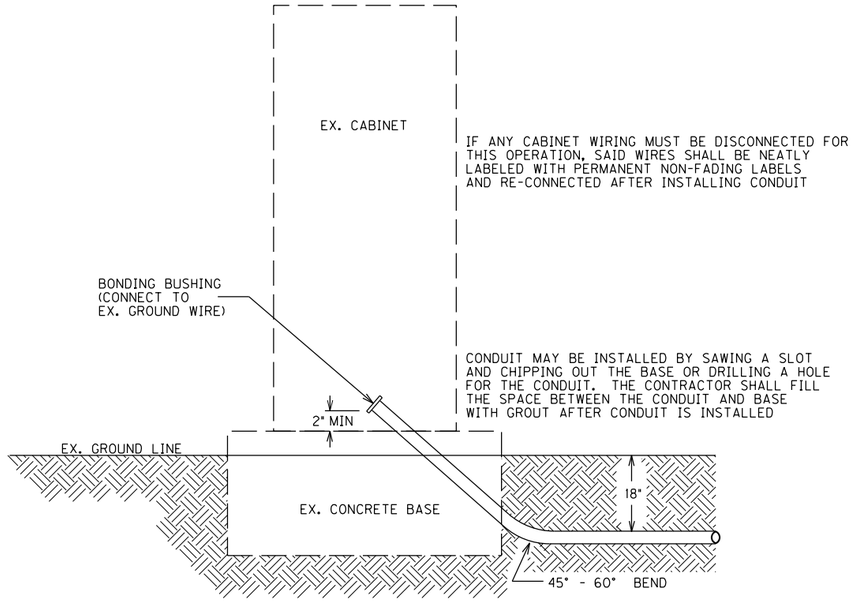
CONCRETE CABLE MARKERS

TRAFFIC SIGNAL AND ROADWAY LIGHTING JUNCTION BOX AND CONDUIT DETAILS

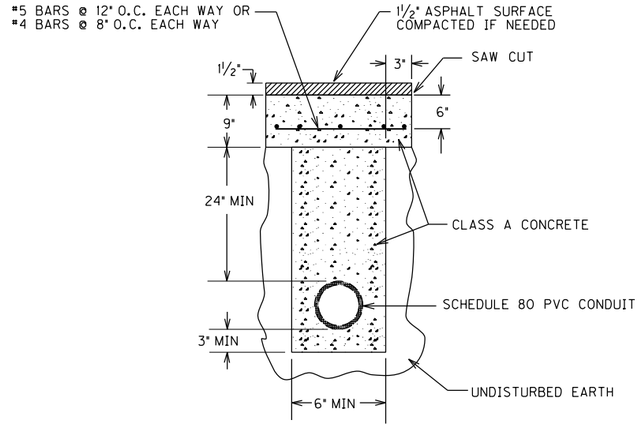
3/13/2017

FILE NAME: G:\PW_WORKDIR\DMS4881\T6.DGN
USER: dawn-s
DATE PLOTTED: September 11, 2020
E-SHEET NAME:
MicroStation v8.11.9.536

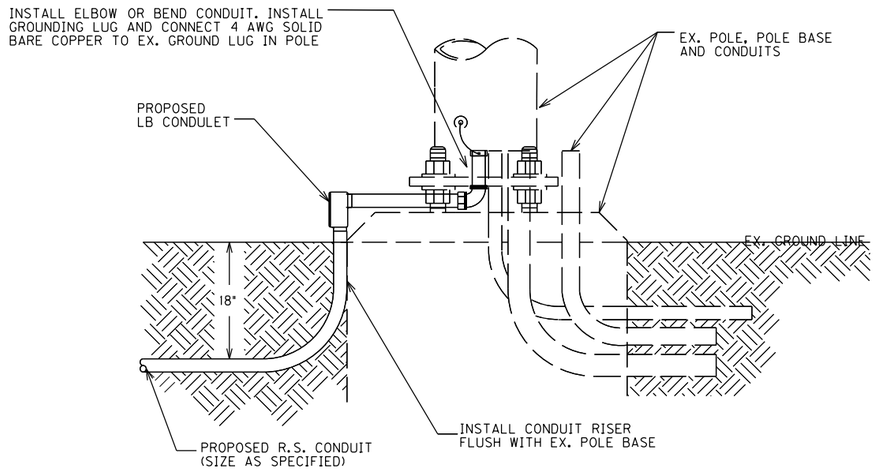
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T07



CONDUIT INSTALLATION IN EX. CABINET BASE



OPEN CUT PAVEMENT DETAIL



CONDUIT INSTALLATION IN EX. POLE BASE

3/10/2017

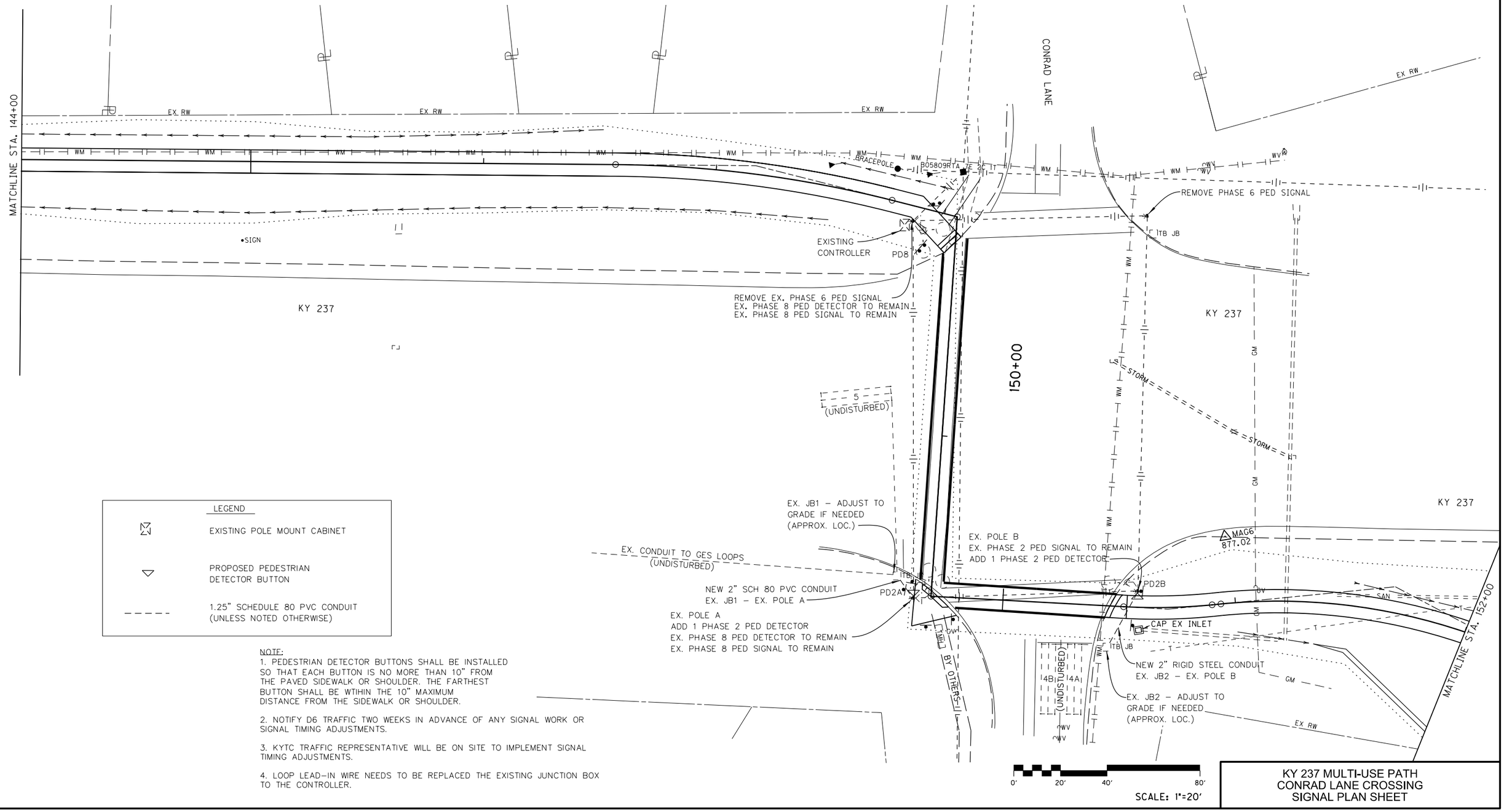
CONDUIT INSTALLATIONS IN EXISTING LOCATIONS

MicroStation v8.11.9.536
E-SHEET NAME:
USER: dawn-s
DATE PLOTTED: September 11, 2020
FILE NAME: C:\PW_WORKDIR\DMS4881\T7.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T08

WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1-#14/5C	EX. CONTROLLER	PD 2A	PD #2A
1-#14/5C	EX. CONTROLLER	PD 2B	PD #2B
1-#14/5C	EX. CONTROLLER	PD 8	PD #8
1-#14/1 PAIR	EX. CONTROLLER	EX JB1	LOOP 5
2-#14/1 PAIR	EX. CONTROLLER	EX JB1	GES LOOPS 2A, 2B
2-#14/1 PAIR	EX. CONTROLLER	EX JB1	GES LOOPS 2C, 2D
2-#14/1 PAIR	EX. CONTROLLER	EX JB2	LOOPS 4A, 4B



LEGEND

- EXISTING POLE MOUNT CABINET
- PROPOSED PEDESTRIAN DETECTOR BUTTON
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)

NOTE:

1. PEDESTRIAN DETECTOR BUTTONS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.
2. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR SIGNAL TIMING ADJUSTMENTS.
3. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.
4. LOOP LEAD-IN WIRE NEEDS TO BE REPLACED THE EXISTING JUNCTION BOX TO THE CONTROLLER.

KY 237 MULTI-USE PATH CONRAD LANE CROSSING SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-S\DMS488111T8.DGN
USER: dawn-s
DATE PLOTTED: May 6, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T09

SIGNAL HEADS



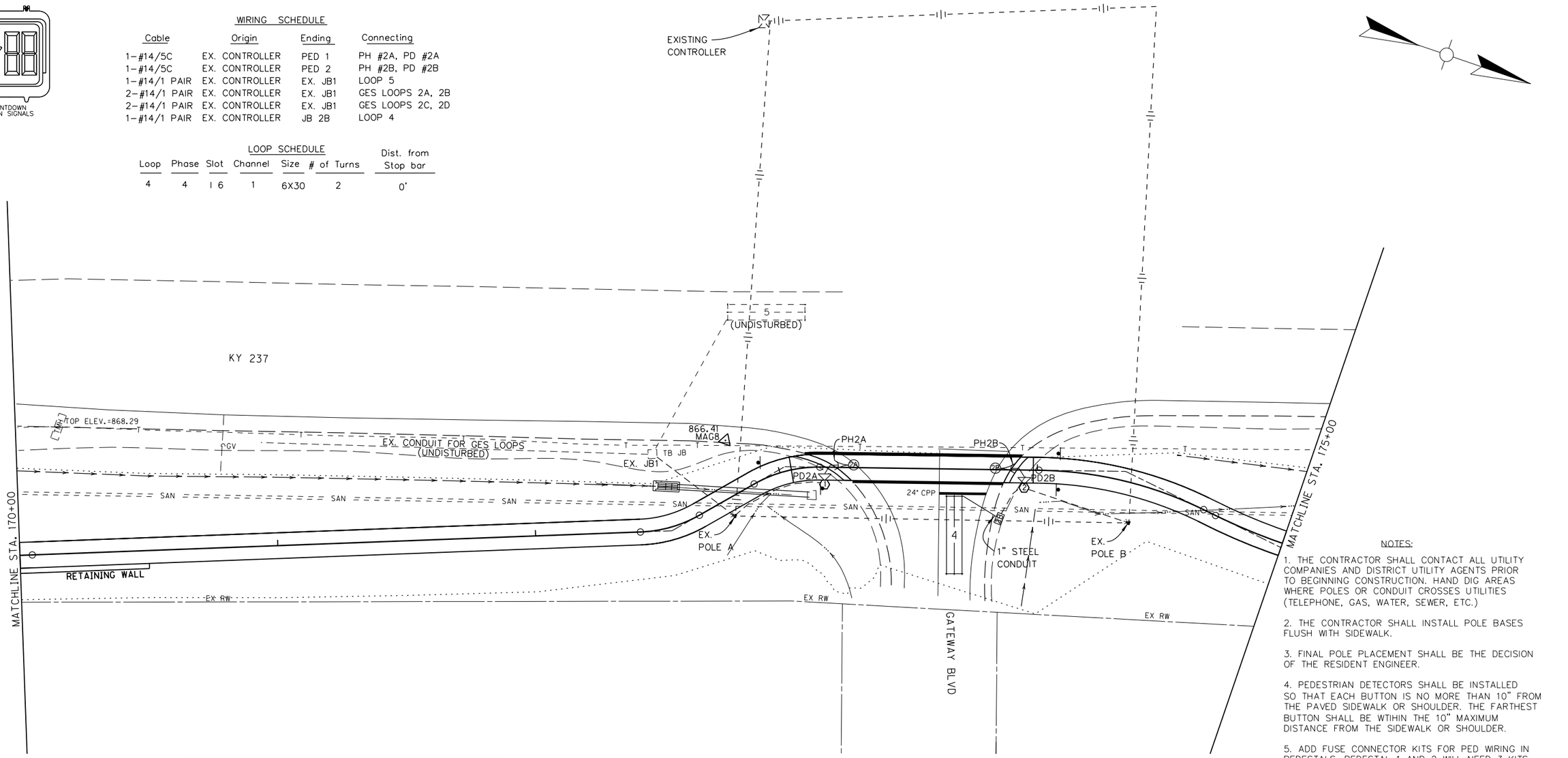
ALL COUNTDOWN PEDESTRIAN SIGNALS

WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1–#14/5C	EX. CONTROLLER	PED 1	PH #2A, PD #2A
1–#14/5C	EX. CONTROLLER	PED 2	PH #2B, PD #2B
1–#14/1 PAIR	EX. CONTROLLER	EX. JB1	LOOP 5
2–#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2A, 2B
2–#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2C, 2D
1–#14/1 PAIR	EX. CONTROLLER	JB 2B	LOOP 4

LOOP SCHEDULE

Loop	Phase	Slot	Channel	Size	# of Turns	Dist. from Stop bar
4	4	16	1	6X30	2	0'



LEGEND

- EXISTING POLE MOUNT CABINET
- PROPOSED PEDESTAL W/ PED BUTTON(S)
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)
- QUADRAPOLE LOOP DETECTOR
- JUNCTION BOX TYPE B

–INSTALL PEDESTAL 1 (STA. 173+18, 7' RT.)
–INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 1
–INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 1
–INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 1 TO EX. POLE A
–INSTALL 2" RIGID STEEL CONDUIT FROM EX. JB1 TO EX. POLE A
–SPLICE LOOP WIRE AND ADD EXISTING 14/1 PAIR TO 5–PAIR LOOP LEAD–INS INSIDE EX. JB1
–INSTALL PEDESTAL 2 (STA. 173+95, 7' RT.)
–INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 2
–INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 2
–INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 2 TO EX. POLE B
–INSTALL JB 2B
–INSTALL 1" RIGID STEEL CONDUIT FROM EDGE OF PAVEMENT TO JB 2B
–INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM JB 2B TO PEDESTAL 2
–SPLICE LOOP WIRE TO 1–PAIR LOOP LEAD–IN INSIDE JB 2B

NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)

2. THE CONTRACTOR SHALL INSTALL POLE BASES FLUSH WITH SIDEWALK.

3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.

4. PEDESTRIAN DETECTORS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.

5. ADD FUSE CONNECTOR KITS FOR PED WIRING IN PEDESTALS. PEDESTAL 1 AND 2 WILL NEED 3 KITS EACH, (2 HOTS, 1 COMMON NEUTRAL), NEUTRAL NEEDS METAL LUG INSTEAD OF FUSE.

6. FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRIAN HEADS AND SIGNALS HEADS. PEDESTRIAN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BE A METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

7. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR TIMING ADJUSTMENTS.

8. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.

9. LOOP LEAD–IN WIRE NEEDS TO BE REPLACED FROM THE EXISTING JUNCTION BOX TO THE CONTROLLER.

0' 20' 40' 80'

SCALE: 1"=20'

KY 237 MULTI-USE PATH
GATEWAY BOULEVARD CROSSING
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-S\DMS488111\T9.DGN
USER: dawn-s
DATE PLOTTED: May 6, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T10

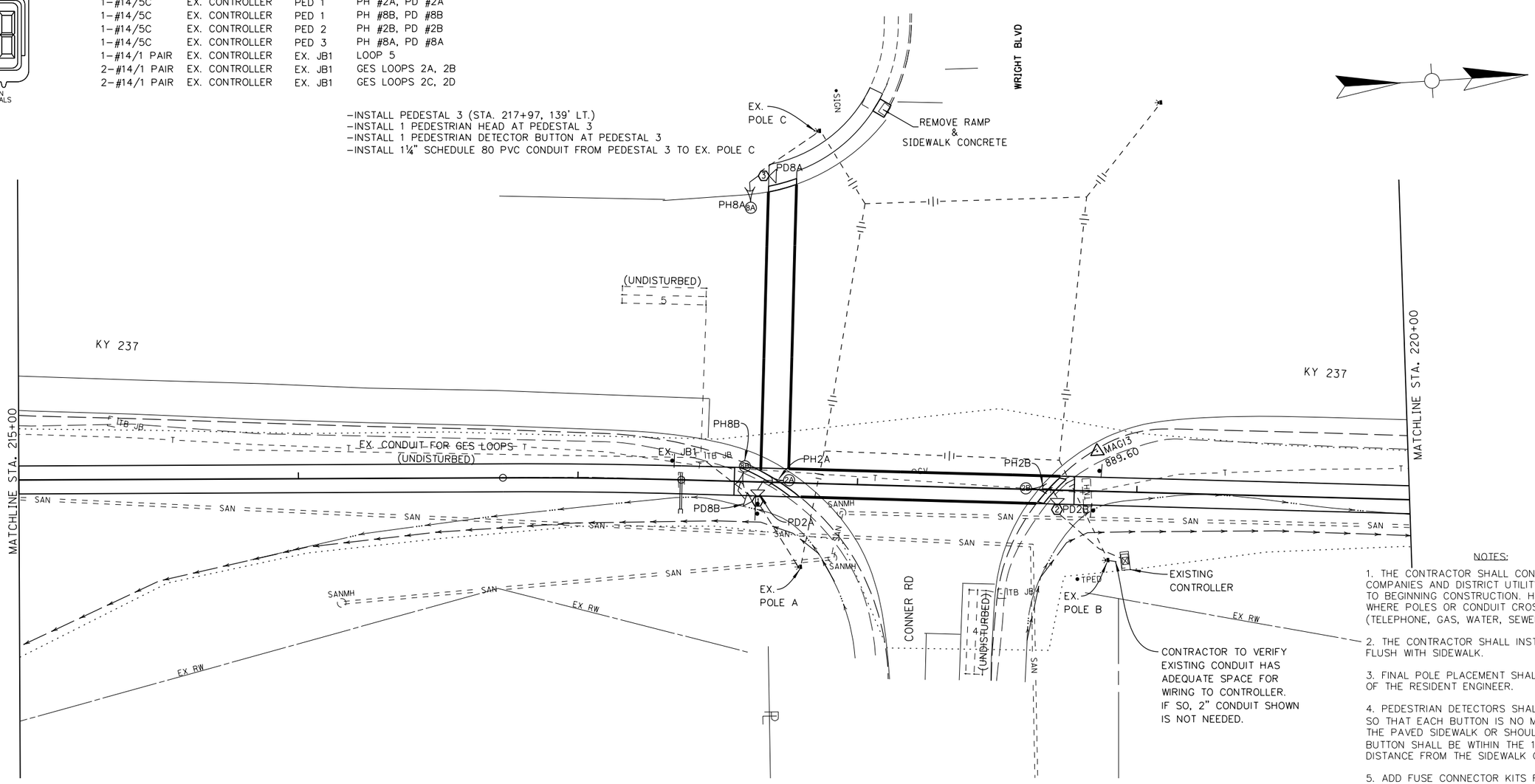
SIGNAL HEADS



WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1-#14/5C	EX. CONTROLLER	PED 1	PH #2A, PD #2A
1-#14/5C	EX. CONTROLLER	PED 1	PH #8B, PD #8B
1-#14/5C	EX. CONTROLLER	PED 2	PH #2B, PD #2B
1-#14/5C	EX. CONTROLLER	PED 3	PH #8A, PD #8A
1-#14/1 PAIR	EX. CONTROLLER	EX. JB1	LOOP 5
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2A, 2B
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2C, 2D

-INSTALL PEDESTAL 3 (STA. 217+97, 139' LT.)
-INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 3
-INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 3
-INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 3 TO EX. POLE C



-INSTALL PEDESTAL 1 (STA. 217+65, 7' RT.)
-INSTALL 2 PEDESTRIAN HEADS AT PEDESTAL 1
-INSTALL 2 PEDESTRIAN DETECTOR BUTTONS AT PEDESTAL 1
-INSTALL 2" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 1 TO EX. POLE A
-INSTALL 2" RIGID STEEL CONDUIT FROM TO EX. JB1 PEDESTAL 1
-SPLICE LOOP WIRE AND EXISTING 14/1 PAIR TO 5-PAIR LOOP LEAD-INS INSIDE EX. JB1
-INSTALL PEDESTAL 2 (STA. 218+72, 7' RT.)
-INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 2
-INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 2
-INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 2 TO EXISTING CONTROLLER
-INSTALL 2" SCHEDULE 80 PVC CONDUIT FROM EX. POLE B TO EXISTING CONTROLLER

LEGEND

- EXISTING BASE MOUNT CABINET
- PROPOSED PEDESTAL W/ PED BUTTON(S)
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)

NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)
2. THE CONTRACTOR SHALL INSTALL POLE BASES FLUSH WITH SIDEWALK.
3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.
4. PEDESTRIAN DETECTORS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.
5. ADD FUSE CONNECTOR KITS FOR PED WIRING IN PEDESTALS. PEDESTAL 1 WILL NEED 5 KITS, (4 HOTS, 1 COMMON NEUTRAL), PEDESTALS 2 AND 3 WILL NEED 3 KITS (2 HOTS, 1 COMMON NEUTRAL), NEUTRAL NEEDS METAL LUG INSTEAD OF FUSE.
6. FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRIAN HEADS AND SIGNALS HEADS. PEDESTRIAN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BE A METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.
7. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR TIMING ADJUSTMENTS.
8. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.
9. LOOP LEAD-IN WIRE NEEDS TO BE REPLACED FROM THE EXISTING JUNCTION BOX TO THE CONTROLLER.

0' 20' 40' 80'

SCALE: 1"=20'

KY 237 MULTI-USE PATH
CONNER ROAD CROSSING
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-S\DMS4891\1\T10.DGN
USER: dawn-s
DATE PLOTTED: May 7, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T11

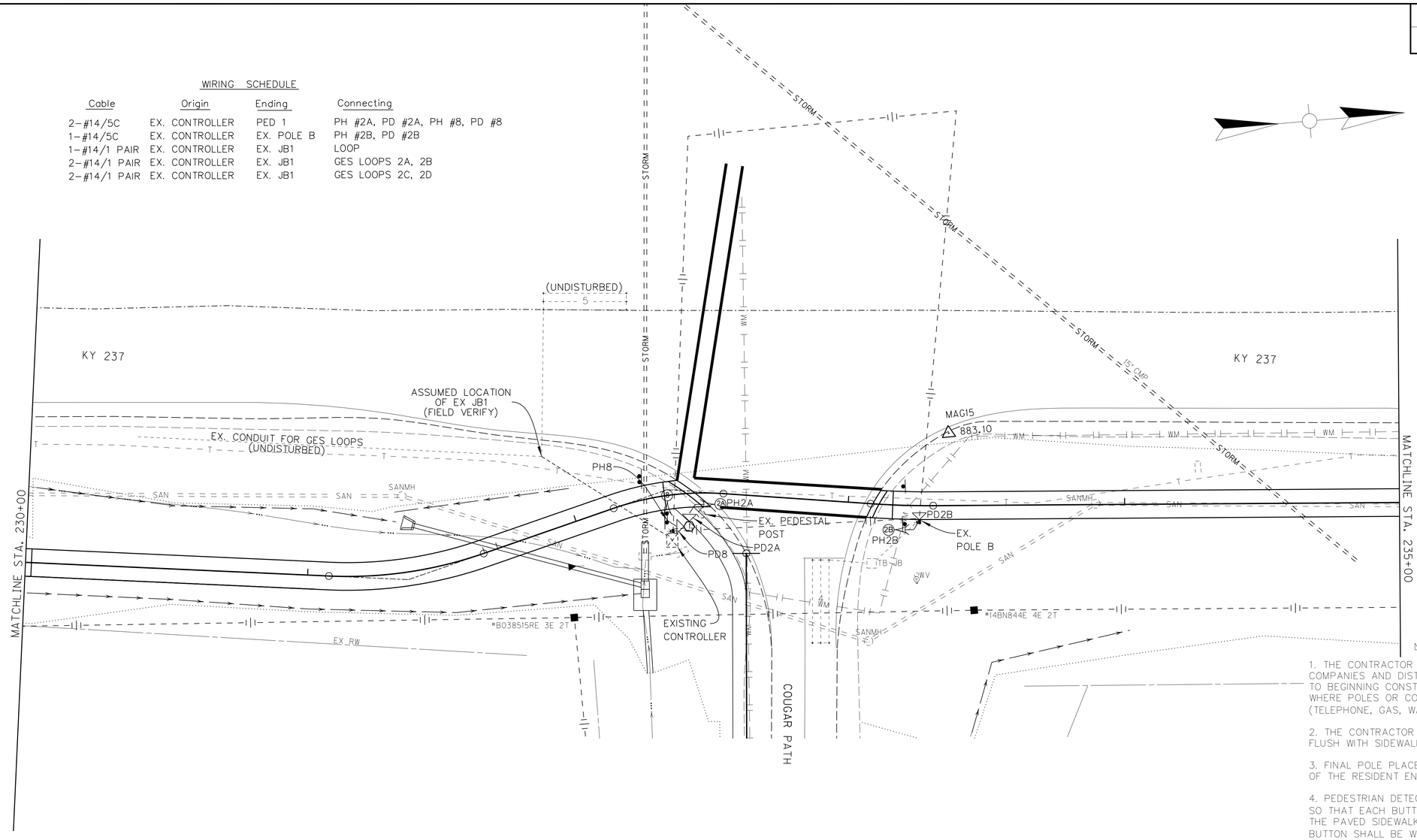
SIGNAL HEADS



ALL COUNTDOWN PEDESTRIAN SIGNALS

WIRING SCHEDULE

Cable	Origin	Ending	Connecting
2-#14/5C	EX. CONTROLLER	PED 1	PH #2A, PD #2A, PH #8, PD #8
1-#14/5C	EX. CONTROLLER	EX. POLE B	PH #2B, PD #2B
1-#14/1 PAIR	EX. CONTROLLER	EX. JB1	LOOP
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2A, 2B
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2C, 2D



NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)

2. THE CONTRACTOR SHALL INSTALL POLE BASES FLUSH WITH SIDEWALK.

3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.

4. PEDESTRIAN DETECTORS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.

5. ADD FUSE CONNECTOR KITS FOR PED WIRING IN PEDESTALS. PEDESTAL 1 WILL NEED 5 KITS, (4 HOTS, 1 COMMON NEUTRAL), NEUTRAL NEEDS METAL LUG INSTEAD OF FUSE.

6. FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRIAN HEADS AND SIGNALS HEADS. PEDESTRIAN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BE A METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

7. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR TIMING ADJUSTMENTS.

8. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.

9. LOOP LEAD-IN WIRE NEEDS TO BE REPLACED FROM THE EXISTING JUNCTION BOX TO THE CONTROLLER.

-REMOVE, AND REUSE IF POSSIBLE, THE EXISTING PEDESTAL POST, PEDESTRIAN LIGHT,SIGNAGE, ETC. FOR NORTH BOUND CROSSWALK
-INSTALL PEDESTAL 1 (STA. 232+47, 7' RT.)
-FIELD VERIFY EX. JB1 LOCATION
-INSTALL 2" RIGID STEEL CONDUIT FROM EX. JB1 TO CONTROLLER
-SPLICE LOOP WIRE AND EXISTING 14/1 PAIR WIRE TO 5-PAIR LOOP LEAD-INS INSIDE EX. JB1
-INSTALL 2 PEDESTRIAN HEADS AT PEDESTAL 1
-INSTALL 2 PEDESTRIAN DETECTOR BUTTONS AT PEDESTAL 1
-INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 1 TO EX. POLE A
-INSTALL 1 PEDESTRIAN HEAD AT EXISTING POLE B
-INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT EXISTING POLE B

LEGEND

- EXISTING POLE MOUNT CABINET
- EXISTING PEDESTAL
- PROPOSED PEDESTAL W/ PED BUTTON(S)
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)

0' 20' 40' 80'

SCALE: 1"=20'

KY 237 MULTI-USE PATH
COUGAR PATH CROSSING
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEVIN_DAWN-SIDMS488111T11.DGN
USER: dawn-s
DATE PLOTTED: May 17, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T12

SIGNAL HEADS

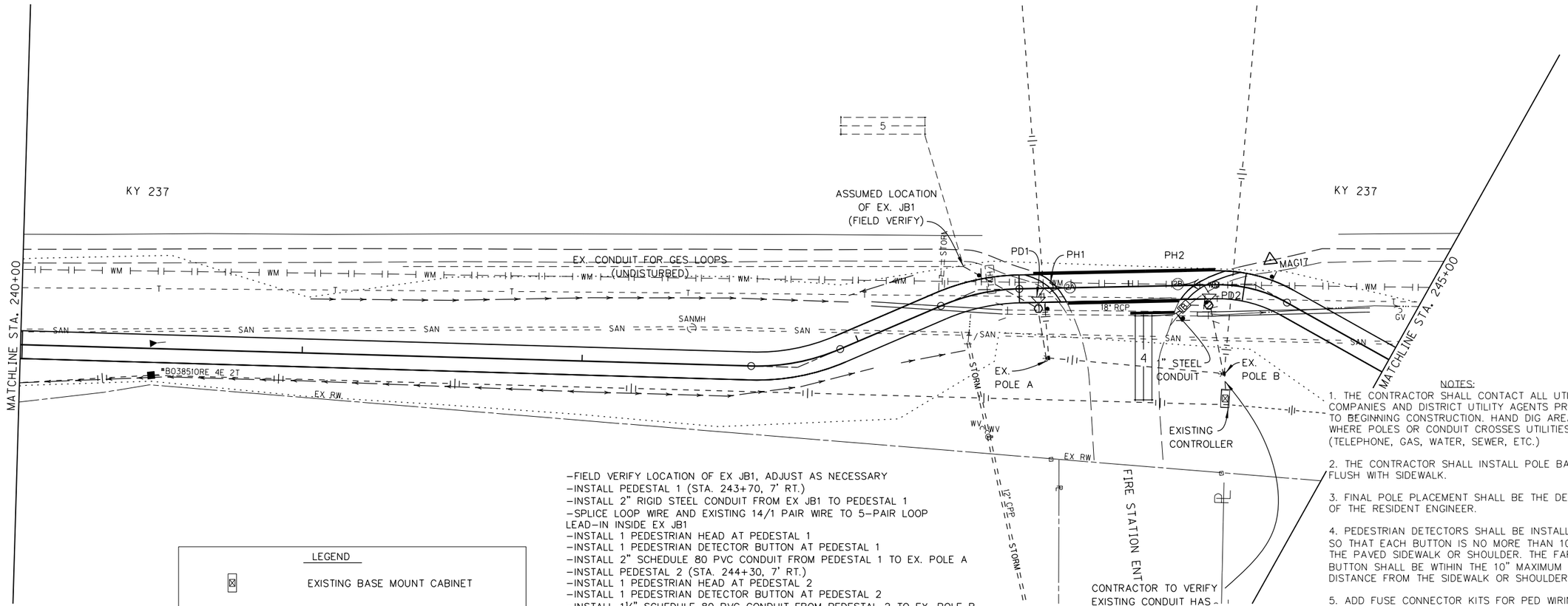


WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1-#14/5C	EX. CONTROLLER	PED 1	PH #1, PD #1
1-#14/5C	EX. CONTROLLER	PED 2	PH #2, PD #2
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2A, 2B
2-#14/1 PAIR	EX. CONTROLLER	EX. JB1	GES LOOPS 2C, 2D
1-#14/1 PAIR	EX. CONTROLLER	EX. JB1	LOOP 5
1-#14/1 PAIR	EX. CONTROLLER	JB 2	LOOP 4

LOOP SCHEDULE

Loop	Phase	Slot	Channel	Size	# of Turns	Dist. from Stop bar
4	4	16	1	6X30	2	0'



-FIELD VERIFY LOCATION OF EX JB1, ADJUST AS NECESSARY
-INSTALL PEDESTAL 1 (STA. 243+70, 7' RT.)
-INSTALL 2" RIGID STEEL CONDUIT FROM EX JB1 TO PEDESTAL 1
-SPLICE LOOP WIRE AND EXISTING 14/1 PAIR WIRE TO 5-PAIR LOOP LEAD-IN INSIDE EX JB1
-INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 1
-INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 1
-INSTALL 2" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 1 TO EX. POLE A
-INSTALL PEDESTAL 2 (STA. 244+30, 7' RT.)
-INSTALL 1 PEDESTRIAN HEAD AT PEDESTAL 2
-INSTALL 1 PEDESTRIAN DETECTOR BUTTON AT PEDESTAL 2
-INSTALL 1¼" SCHEDULE 80 PVC CONDUIT FROM PEDESTAL 2 TO EX. POLE B
-INSTALL 2" SCHEDULE 80 PVC CONDUIT FROM EX. POLE B TO EX. CONTROLLER
-INSTALL JB 2B
-INSTALL 1" RIGID STEEL CONDUIT FROM EDGE OF PAVEMENT TO JB2B
-SPLICE LOOP WIRE TO 1-PAIR LOOP LEAD-IN INSIDE JB2B

LEGEND

- EXISTING BASE MOUNT CABINET
- PROPOSED PEDESTAL W/ PED BUTTON(S)
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)
- QUADRAPOLE LOOP DETECTOR
- JUNCTION BOX TYPE B

NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)
2. THE CONTRACTOR SHALL INSTALL POLE BASES FLUSH WITH SIDEWALK.
3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.
4. PEDESTRIAN DETECTORS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.
5. ADD FUSE CONNECTOR KITS FOR PED WIRING IN PEDESTALS. PEDESTAL 1 AND 2 WILL NEED 3 KITS EACH, (2 HOTS, 1 COMMON NEUTRAL), NEUTRAL NEEDS METAL LUG INSTEAD OF FUSE.
6. FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRIAN HEADS AND SIGNALS HEADS. PEDESTRIAN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BE A METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.
7. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR TIMING ADJUSTMENTS.
8. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.
9. LOOP LEAD-IN WIRE NEEDS TO BE REPLACED FROM THE EXISTING JUNCTION BOX TO THE CONTROLLER.

0' 20' 40' 80'

SCALE: 1"=20'

KY 237 MULTI-USE PATH
HEBRON FIRE DEPARTMENT ENTRANCE
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-S\DMS4881\1\T12.DGN
USER: dawn-s
DATE PLOTTED: May 6, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

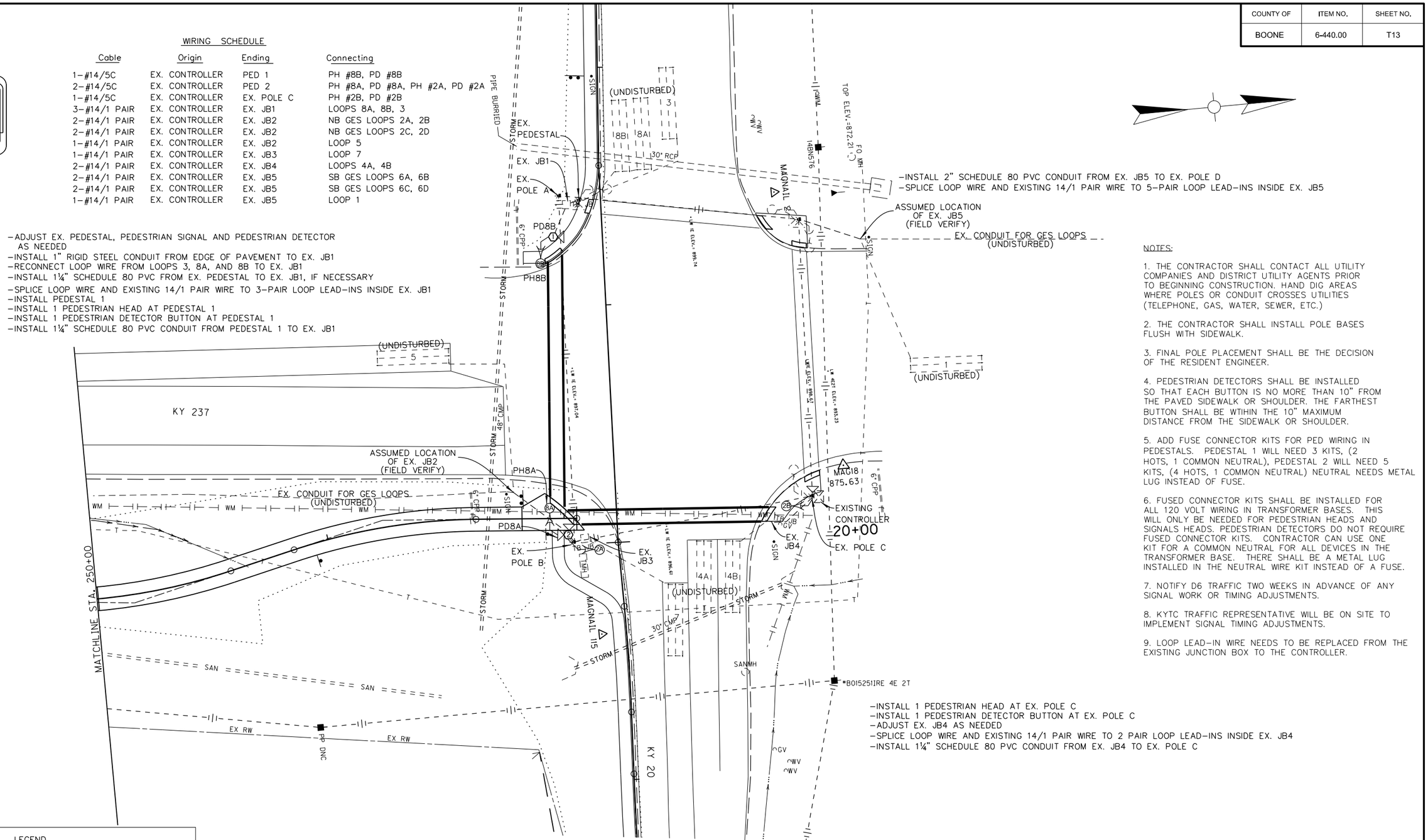
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T13

SIGNAL HEADS



WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1–#14/5C	EX. CONTROLLER	PED 1	PH #8B, PD #8B
2–#14/5C	EX. CONTROLLER	PED 2	PH #8A, PD #8A, PH #2A, PD #2A
1–#14/5C	EX. CONTROLLER	EX. POLE C	PH #2B, PD #2B
3–#14/1 PAIR	EX. CONTROLLER	EX. JB1	LOOPS 8A, 8B, 3
2–#14/1 PAIR	EX. CONTROLLER	EX. JB2	NB GES LOOPS 2A, 2B
2–#14/1 PAIR	EX. CONTROLLER	EX. JB2	NB GES LOOPS 2C, 2D
1–#14/1 PAIR	EX. CONTROLLER	EX. JB2	LOOP 5
1–#14/1 PAIR	EX. CONTROLLER	EX. JB3	LOOP 7
2–#14/1 PAIR	EX. CONTROLLER	EX. JB4	LOOPS 4A, 4B
2–#14/1 PAIR	EX. CONTROLLER	EX. JB5	SB GES LOOPS 6A, 6B
2–#14/1 PAIR	EX. CONTROLLER	EX. JB5	SB GES LOOPS 6C, 6D
1–#14/1 PAIR	EX. CONTROLLER	EX. JB5	LOOP 1



NOTES:

1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)

2. THE CONTRACTOR SHALL INSTALL POLE BASES FLUSH WITH SIDEWALK.

3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.

4. PEDESTRIAN DETECTORS SHALL BE INSTALLED SO THAT EACH BUTTON IS NO MORE THAN 10" FROM THE PAVED SIDEWALK OR SHOULDER. THE FARTHEST BUTTON SHALL BE WTIHIN THE 10" MAXIMUM DISTANCE FROM THE SIDEWALK OR SHOULDER.

5. ADD FUSE CONNECTOR KITS FOR PED WIRING IN PEDESTALS. PEDESTAL 1 WILL NEED 3 KITS, (2 HOTS, 1 COMMON NEUTRAL), PEDESTAL 2 WILL NEED 5 KITS, (4 HOTS, 1 COMMON NEUTRAL) NEUTRAL NEEDS METAL LUG INSTEAD OF FUSE.

6. FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRIAN HEADS AND SIGNALS HEADS. PEDESTRIAN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICES IN THE TRANSFORMER BASE. THERE SHALL BE A METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

7. NOTIFY D6 TRAFFIC TWO WEEKS IN ADVANCE OF ANY SIGNAL WORK OR TIMING ADJUSTMENTS.

8. KYTC TRAFFIC REPRESENTATIVE WILL BE ON SITE TO IMPLEMENT SIGNAL TIMING ADJUSTMENTS.

9. LOOP LEAD–IN WIRE NEEDS TO BE REPLACED FROM THE EXISTING JUNCTION BOX TO THE CONTROLLER.

LEGEND

- EXISTING POLE MOUNT CABINET
- EXISTING PEDESTAL
- PROPOSED PEDESTAL W/ PED BUTTON(S)
- 1.25" SCHEDULE 80 PVC CONDUIT (UNLESS NOTED OTHERWISE)

0' 20' 40' 80'

SCALE: 1"=20'

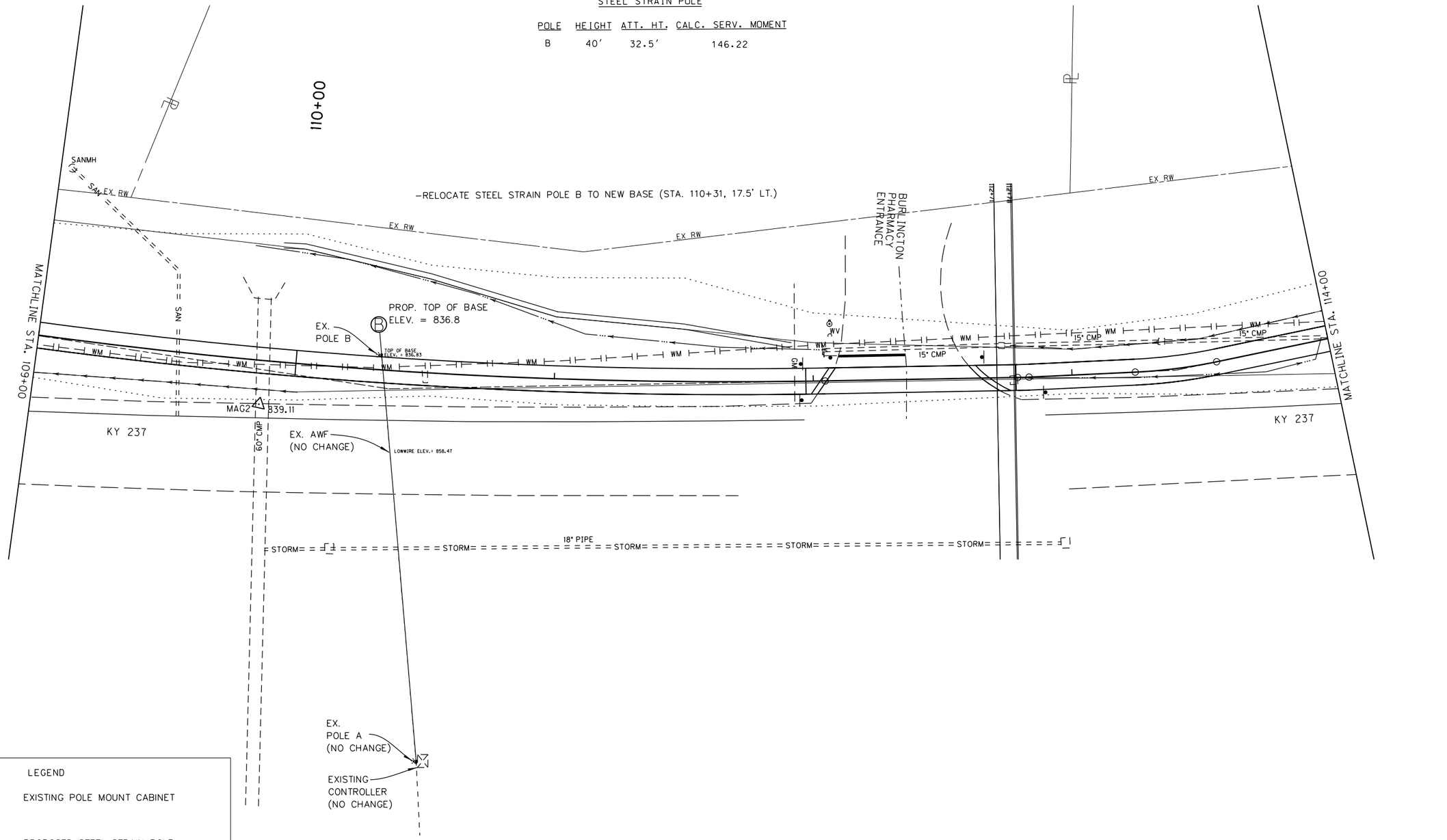
KY 237 MULTI-USE PATH
KY 20 (PETERSBURG RD) CROSSING
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\PEWIN_DAWN-SIDMS\488111\T13.DGN
USER: dawn-s
DATE PLOTTED: May 6, 2021
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T14

STEEL STRAIN POLE

POLE	HEIGHT	ATT. HT.	CALC. SERV. MOMENT
B	40'	32.5'	146.22



LEGEND

- EXISTING POLE MOUNT CABINET
- PROPOSED STEEL STRAIN POLE
- 10,800 LB MESSENGER WIRE

0' 20' 40' 80'

SCALE: 1"=20'

KY 237 MULTI-USE PATH
OVERHEAD SCHOOL FLASHERS
SIGNAL PLAN SHEET

FILE NAME: C:\PW_WORKDIR\DMS488111\T14.DGN
USER: joshc
DATE PLOTTED: November 17, 2020
E-SHEET NAME:
MicroStation v8.11.9.536

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T015

SIGNING SPECIFICATION NOTES

THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION)
STANDARD HIGHWAY SIGNS AND MARKINGS (CURRENT EDITION) -- FEDERAL HIGHWAY ADMINISTRATION
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) -- FEDERAL HIGHWAY ADMINISTRATION

SCOPE OF WORK

TO FURNISH, FABRICATE AND ERECT IN PLACE ALL MATERIALS NECESSARY TO FORM COMPLETED SIGNS AS INDICATED AT LOCATIONS DESCRIBED ELSEWHERE IN THESE PLANS. NEW SIGNS ARE TO BE INSTALLED AT EXISTING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

SIGN SUBSTRATES

SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. PANEL SIGNS SHALL BE LABELED AS P-#. SHEETING SIGNS SHALL BE LABELED AS S-#.

SIGN MATERIALS

SIGN SHEETING:

SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED.

ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

PERMANENT SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE XI SHEETING:

THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW SHEETING:
- HORIZONTAL ALIGNMENT SIGNS AND PLAQUES
- ALL ADVISORY SPEED PLAQUES
- WARNING MESSAGES ON PANEL SIGNS

THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW-GREEN SHEETING:
- ALL SCHOOL AND SCHOOL BUS WARNING SIGNS.
- BICYCLE WARNING SIGNS AND 'SHARE THE ROAD' PLAQUES OR DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT BICYCLE WARNING SIGNS.
- PEDESTRIAN WARNING SIGNS AND DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS
- IN-STREET PEDESTRIAN CROSSING (R1-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (R1-9) SIGNS
- SUPPLEMENTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE

ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE XI SHEETING.

LETTERS, SYMBOLS, AND BORDERS:

PANEL OVERLAY SECTIONS SHALL BE AFFIXED WITH A "POP" RIVET WITH A MINIMUM DIAMETER OF 3/16 INCH, AND THE LENGTH SHALL BE AS NECESSARY TO PROPERLY APPLY COPY IN A WORKMANLIKE MANNER.

HARDWARE:

ALL HARDWARE FOR THE ASSEMBLY OF PANEL SIGNS AND THE ATTACHMENT OF THESE SIGNS TO THEIR SUPPORTS SHALL BE AS RECOMMENDED BY THE PANEL MANUFACTURER. PLACEMENT OF POST CLIP SHALL BE AS SHOWN ON THE SIGNING MISCELLANEOUS DETAIL SHEET.

ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM B-776 AND ASTM A-307.

FONTS:

STANDARD ALPHABETS SHALL BE USED FOR ALL LEGENDS ON PANEL GUIDE SIGNS.

GROUND-MOUNTED SIGN SUPPORTS

GENERAL:

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL BEAMS AND POSTS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT. EXISTING I-BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE I OR TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.

BEAMS:

ALL BEAMS SHALL BE EITHER TYPE "A" (STANDARD BEAM INSTALLATION) OR TYPE "C" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). TYPE "A" BEAMS ARE SHOWN ON THE PANEL SIGN DETAIL SHEET, AND THE TYPE "C" BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM FOR "C" BEAM SHEET. ONLY BREAKAWY (TYPE "C") BEAM SUPPORT SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. THE TYPE AND SIZE OF BEAM TO BE USED SHALL BE INDICATED FOR EACH PANEL SIGN ON THE SIGN DETAIL SHEETS. BEAM LENGTHS INCLUDED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT EACH SIGN LOCATION AND CROSS SECTIONS SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS, WITH ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

STEEL POSTS:

TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, OR TYPE "D" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE "D" POST SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST.

TYPE II POST SHALL BE STANDARD INSTALLATION IN SOIL WITH A SOIL STABILIZER. INSTALLATION PROCEDURES AND BRACING REQUIREMENTS ARE DETAILED ON THE SHEETING SIGN DETAIL SHEET.

ALL STEEL POSTS SHALL MEET THE REQUIREMENTS OF SECTION 832 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MILEPOST MARKERS AND ENHANCED REFERENCE MARKERS

MILEPOST MARKERS AND ENHANCED REFERENCE LOCATION SIGNS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). ADDTIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET AND ENHANCED REFERENCE LOCATION SIGNS DETAIL SHEET.

FOR THE LOUISVILLE AREA, FINAL LOCATION OF ENHANCED REFERENCE LOCATION SIGNS SHALL BE VERIFIED BY TRIMARC. NOTIFY A REPRESENTATIVE OF TRIMARC AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM:

901 WEST MAIN STREET
LOUISVILLE, KY 40202
502-587-6624
270-307-7456

MEDIAN CROSSOVER SIGNS

THE CONTRACTOR SHALL INSTALL 48" X 48", "NO U TURN" SIGNS (R3-4) AT EACH MEDIAN CROSSOVER. THIS IS TO BE DONE WHETHER ALL NEEDED INSTALLATIONS ARE MENTIONED IN THE FOLLOWING SHEETS OR NOT. AT CROSSOVERS ON MEDIANS SIXTY FEET (60') WIDE OR LESS, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS AT THE MEDIAN SHOULDER ON THE FAR SIDE OF THE CROSSOVER, ONE FACING TRAFFIC IN EACH DIRECTION. FOR ADDITIONAL GUIDANCE, SEE SEPIA DRAWING FOR FLEXIBLE DELINEATOR POST ARRANGEMENT FOR INTERCHANGE RAMPS AND CROSSOVERS.

CONCRETE BASES

ALL CONCRETE BASES SHALL BE OF CLASS "A" CONCRETE FOR SIGNS AND SHALL BE AS SHOWN ELSEWHERE IN THESE PLANS.
EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS IS INCIDENTAL TO THE COST OF CLASS "A" CONCRETE FOR SIGNS.

CONCRETE BASES (CONTINUED)

WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEEDED.

WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.

SAMPLES, TESTING, ETC.

BEFORE BEGINNING INSTALLATION, THE CONTRACTOR SHALL FURNISH TO THE PROJECT ENGINEER DRAWINGS, DESCRIPTIONS, MANUFACTURER'S CUTS ETC. FOR WRITTEN APPROVAL OF ALL MATERIALS TO BE USED. MILL TEST REPORTS FOR BEAMS, STEEL PANELS, AND EACH DIFFERENT GAUGE OF ALUMINUM OR STEEL SHEETING USED MUST BE SUBMITTED TO THE DIVISION OF CONSTRUCTION AND APPROVED PRIOR TO ERECTION.

MISCELLANEOUS

THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OR VISIBILITY OF SIGNS, SHALL BE INCIDENTAL TO THE CONTRACT.

SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

TYPE I AND II STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOLID ROCK IS ENCOUNTERED, THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEEDED AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.

REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.

INSTALLATION OF ADVISORY EXIT AND RAMP SPEED SIGNS (W13-2 AND W13-3) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ALL EXISTING SHEETING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED AND REPLACED WITH NEW SIGNS AND POSTS. SIGNS AND POSTS SHALL CONFORM TO CURRENT STANDARDS/SPECIFICATIONS. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, RELOCATING EXISTING SIGNS AND POSTS TO CONFORM TO THE SIGNING PLANS AND SPECIFICATIONS, AND ALL HARDWARE REQUIRED, SHALL BE INCIDENTAL TO THE PROJECT. IN ADDITION TO REPLACING ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLAN DETAIL SHEETS.

THE COST FOR SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.

DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT.

SHEETING SIGNS (D1-1, D1-2, D1-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.

THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN OR A MINIMUM OF 12' FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELLED WAY AS SHOWN IN THE SIGNING POSITIONING DETAIL SHEET.

IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED.

SIGNS THAT DO NOT COMPLY WITH THE MUTCD SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

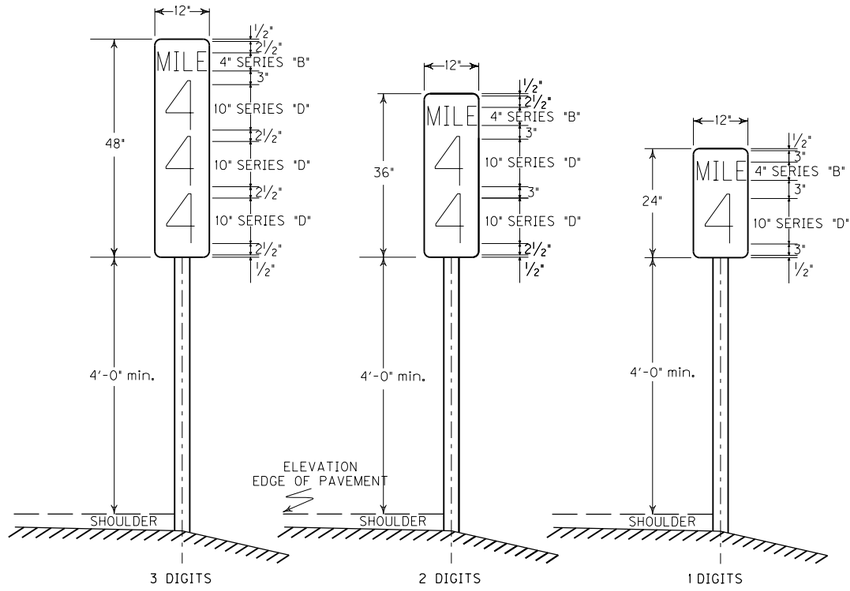
6-24-2020

SIGNING SPECIFICATION SHEET

MicroStation v8.11.9.832 E-SHEET NAME: USER: Ted.Swansegar DATE PLOTTED: July 6, 2020 FILE NAME: C:\PW_WORKDIR\DMS488\A\T015 SIGNING GENERAL NOTES.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T016

MILEPOST MARKERS



TYPICAL SIGN PANEL DIMENSIONS AND MILEPOST LOCATIONS

MILE POST NUMBER	STATION NUMBER ✳ _____ BOUND LANE (S)

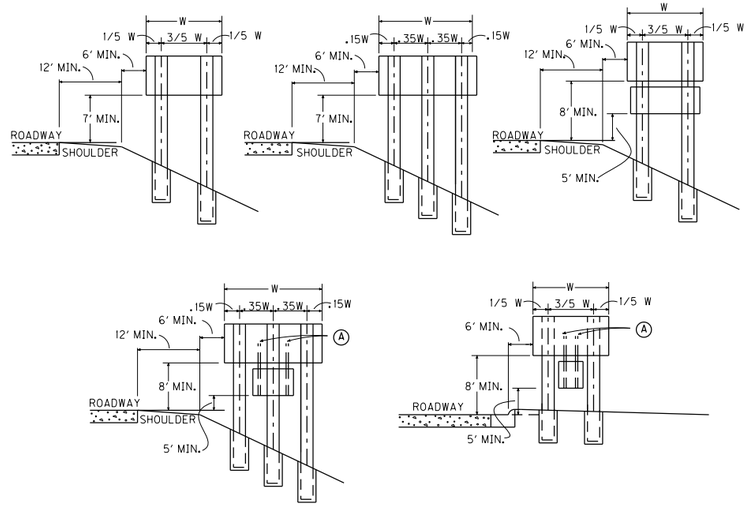
MILE POST NUMBER	STATION NUMBER ✳ _____ BOUND LANE (S)

NOTE: STATION NUMBERS ARE GIVEN FOR NOTED DIRECTION OF TRAVEL ONLY. CORRESPONDING MILEPOST MARKERS FOR OTHER DIRECTION SHOULD BE PLACED DIRECTLY OPPOSITE THOSE FOR WHICH STATION NUMBERS ARE GIVEN.

IN JEFFERSON COUNTY, FINAL LOCATION OF MILEPOST MARKERS SHALL BE VERIFIED BY TRIMARC. NOTIFY TRIMARC AT LEAST TWO WEEKS PRIOR TO BEGINNING WORK ON THIS ITEM:

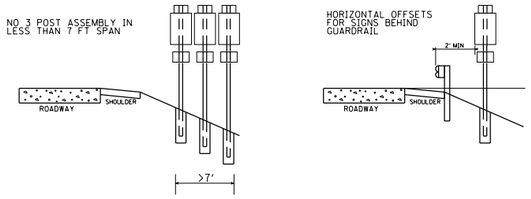
901 WEST MAIN STREET
LOUISVILLE, KY 40202
502-587-6624
270-307-7456

PANEL SIGNS

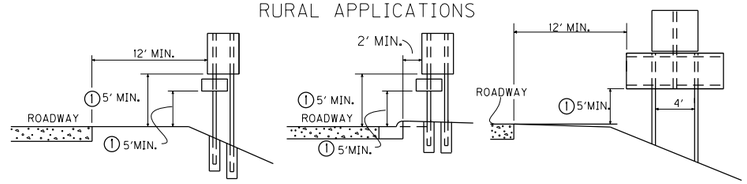


Ⓐ ATTACHMENT OF SECONDARY SIGN TO MAJOR SIGN IS TO BE MADE WITH TWO (2) 3" X 3" X 3/16" ANGLES OF SUFFICIENT LENGTH TO EXTEND FROM THE LOWER EDGE OF THE SECONDARY SIGN TO AT LEAST THREE FEET UP THE BACK OF THE MAJOR SIGN. A MINIMUM OF ONE POST CLIP PER FOOT SHALL BE USED IN ATTACHING EXTRUSIONS TO EACH ANGLE.

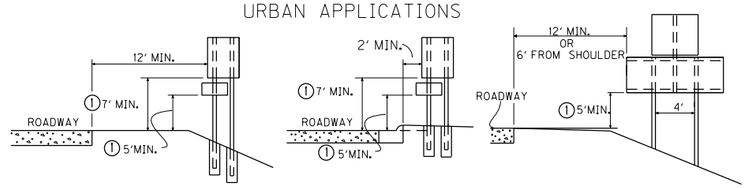
SHEETING SIGNS



RURAL APPLICATIONS



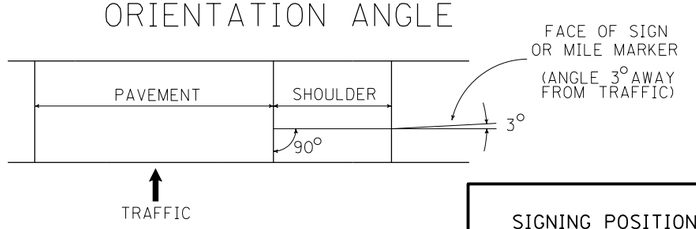
URBAN APPLICATIONS



NOTE: SHOULD A SIGN BE LOCATED AT A POINT WHERE GUARDRAIL IS CALLED FOR OR EXISTING, ALL SIGN SUPPORTS SHALL BE PLACED BEHIND THE GUARDRAIL AND LATERAL OFFSET SHALL BE MEASURED FROM THE GUARDRAIL.

① NOT TO EXCEED 8' IN URBAN AREAS AND 6' IN RURAL AREAS UNLESS SPECIFIED BY THE ENGINEER

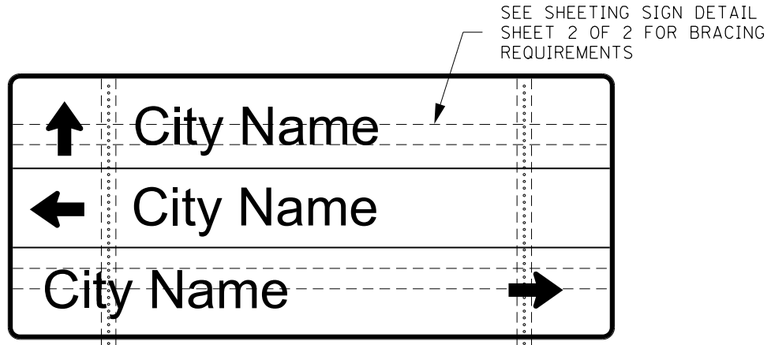
ORIENTATION ANGLE



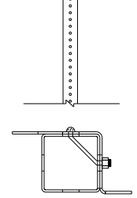
SIGNING POSITIONING DETAIL SHEET

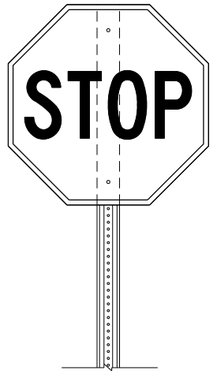
FILE NAME: C:\PW_WORKDIR\DMS48814\T016 POSITIONING DETAIL SHEET.DGN
USER: mike.vaughn
DATE PLOTTED: July 23, 2013
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T017



PLAN VIEW
NOT TO SCALE





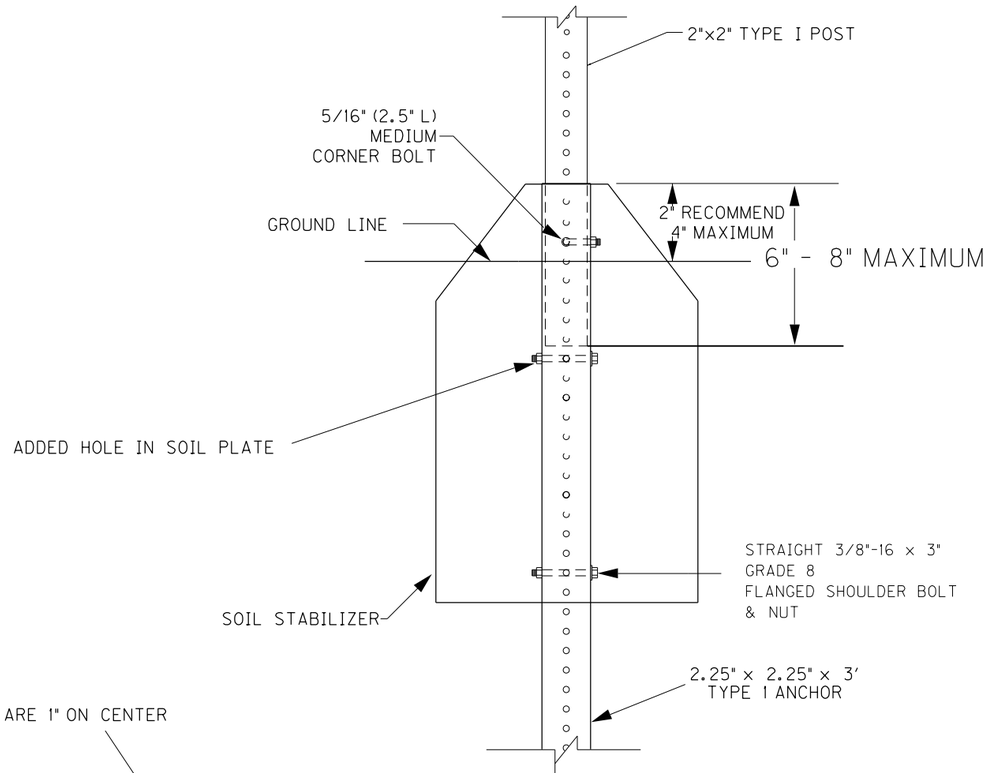
PLAN VIEW
NOT TO SCALE

PLAN VIEW
NOT TO SCALE

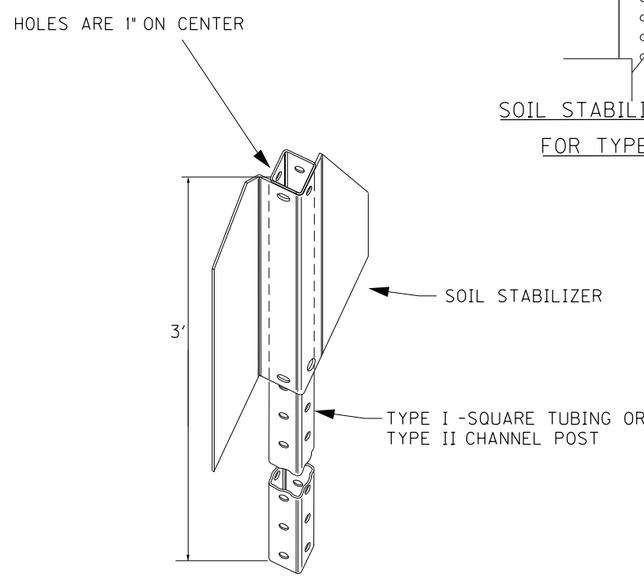
TYPE I
SQUARE TUBING POST
WITH TYPE "D" SUPPORT

TYPE I
SQUARE TUBING POST
WITH SOIL STABILIZER

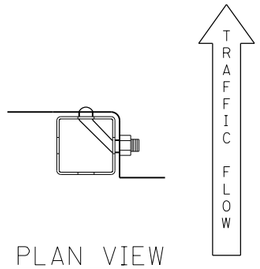
TYPE II
CHANNEL POST
WITH SOIL STABILIZER



SOIL STABILIZER DETAIL
FOR TYPE I POST



SOIL STABILIZER DETAIL



PLAN VIEW
NOT TO SCALE

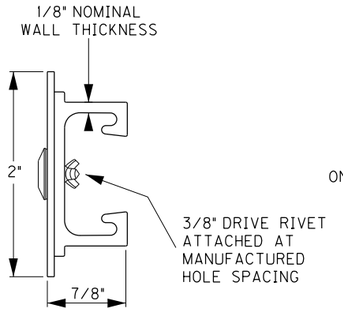
NOT TO SCALE

SHEETING SIGN DETAIL
SHEET 1 OF 2

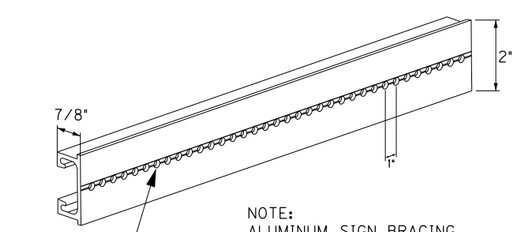
MicroStation v8.11.7.443 | E-SHEET NAME: | USER: jarrod.stanley DATE PLOTTED: August 10, 2015 | FILE NAME: C:\PW_WORKDIR\DMS48814\T017 SHEETING SIGN DETAIL SHEET 1 OF 2.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T018

FOR ATTACHMENT OF SIGNS
LESS THAN 72" IN WIDTH
USING MANUFACTURED 3/8" HOLES
ACCORDING TO 2004 STANDARD
HIGHWAY SIGNS BLANK
STANDARDS
PGS 7-1 THRU 7-6

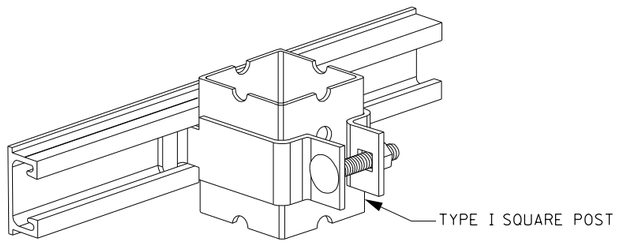


SIGN BRACE

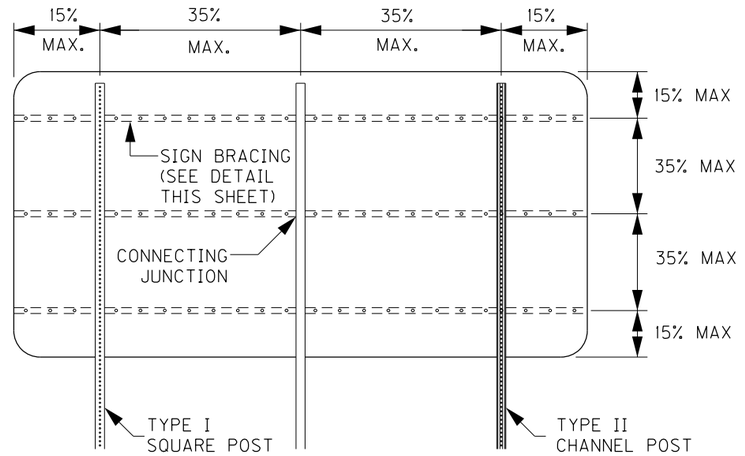


NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8"
NOMINAL WALL THICKNESS

6061-T6 ALUMINUM ALLOY, PUNCHED WITH
3/8" DIAMETER HOLES ON 1" CENTERS FOR
ATTACHMENT OF SIGN SUBSTRATE
USING 3/8" DRIVE RIVETS



SQUARE POST CLAMP & BRACE



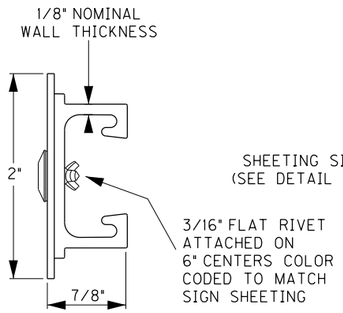
3 POST - BRACING DIAGRAM

NOTE:
1. MAXIMUM AREA
PER CONNECTING
JUNCTION = 16 SQ. FT.

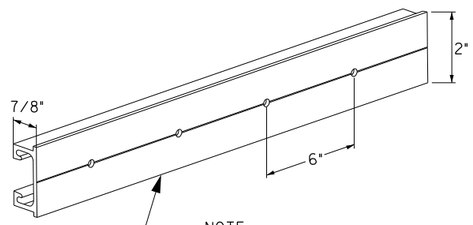
2. BRACING SHOULD NOT BE
SPLICED WITHIN 6" OF A BRACE
TO POST JUNCTION.

FOR ATTACHMENT OF SIGNS
GREATER THAN, OR EQUAL TO,
72" IN WIDTH.

RIVETS SHALL BE COLOR CODED
TO MATCH SHEETING IN ORDER
TO MINIMIZE GLARE FROM RIVETS



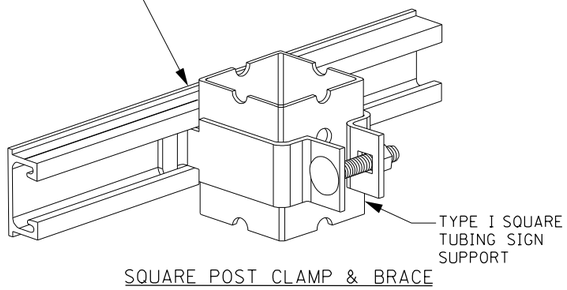
SIGN BRACE



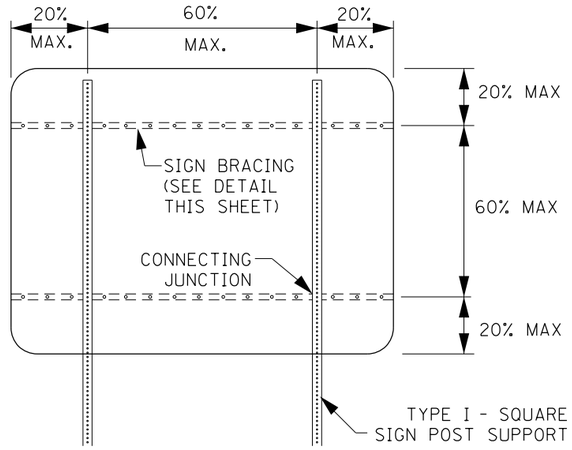
SHEETING SIGN BRACING
(SEE DETAIL THIS SHEET)

NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8"
NOMINAL WALL THICKNESS

6061-T6 ALUMINUM ALLOY, PUNCHED WITH
3/16" DIAMETER HOLES ON 6" CENTERS FOR
ATTACHMENT OF SIGN SUBSTRATE USING RIVETS



SQUARE POST CLAMP & BRACE



2 POST - BRACING DIAGRAM

NOTE:
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED
BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.

NOT TO SCALE

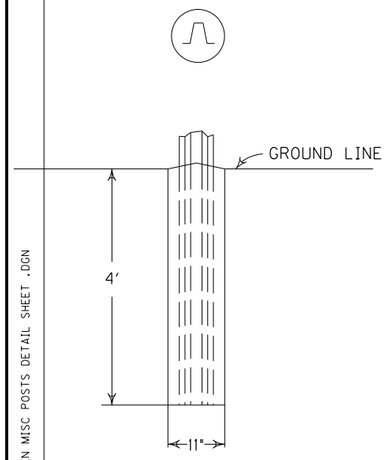
SHEETING SIGN DETAIL
SHEET 2 OF 2

FILE NAME: C:\PW_WORKDIR\DMS488814\T018 SHEETING SIGN DETAIL SHEET 2 OF 2.DGN
USER: jarrod.stanley
DATE PLOTTED: August 11, 2016
E-SHEET NAME:
MicroStation v8.11.7.443

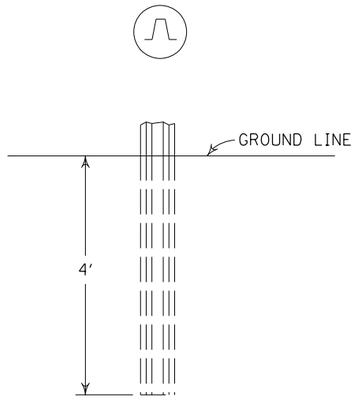
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	T019

CHANNEL POST DETAILS

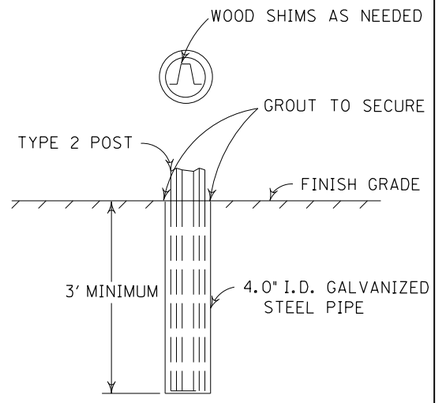
TYPE "B" CONCRETE BASE



TYPE "C" DRIVEN BASE



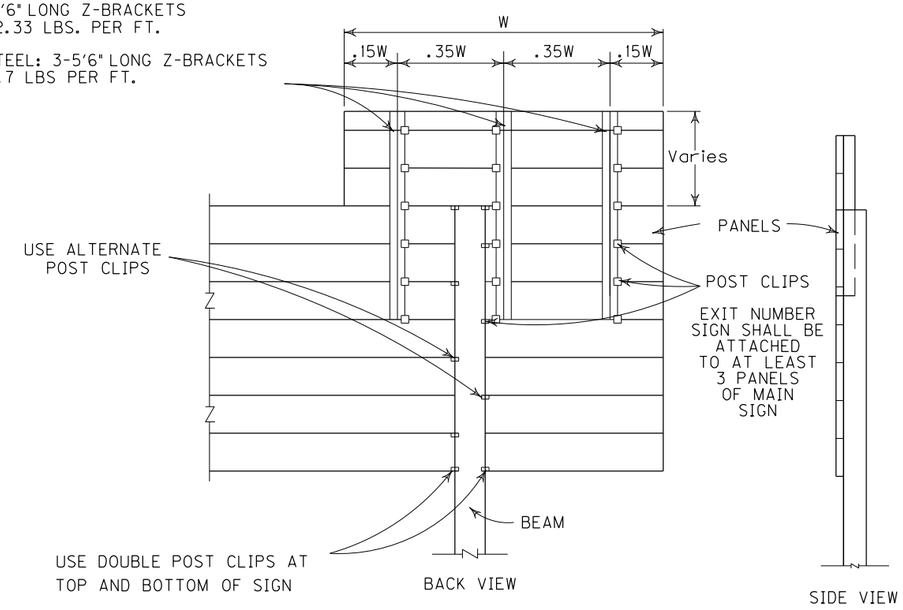
TYPE "D" PIPE BASE



THE COST FOR 4.0" I.D. GALVANIZED STEEL PIPE FOR TYPE "D" BASE AND THE WORK FOR THE INSTALLATION SHALL BE INCLUDED IN THE BID ITEM FOR STEEL POST TYPE 2.

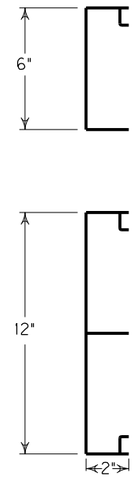
DETAIL FOR EXIT NUMBER SIGN ATTACHMENT AND TYPICAL POST CLIP ARRANGEMENT

ALUMINUM: 3-5'6" LONG Z-BRACKETS
3" X 2 11/16 " @ 2.33 LBS. PER FT.
OR
GALVANIZED STEEL: 3-5'6" LONG Z-BRACKETS
3" X 2 3/4" @ 6.7 LBS PER FT.



NOTE: THE COST FOR ATTACHING AN EXIT NUMBER SIGN SHALL BE INCLUDED IN THE BID ITEM FOR SIGN BASE MATERIAL FOR PANEL SIGNS AND SHALL INCLUDE ALL Z-BRACKETS AND HARDWARE.
THE EXIT NUMBER SIGN SHALL BE INSTALLED OVER THE LEFT OR RIGHT SIDE OF THE SIGN AS SHOWN ON THE PLANS.

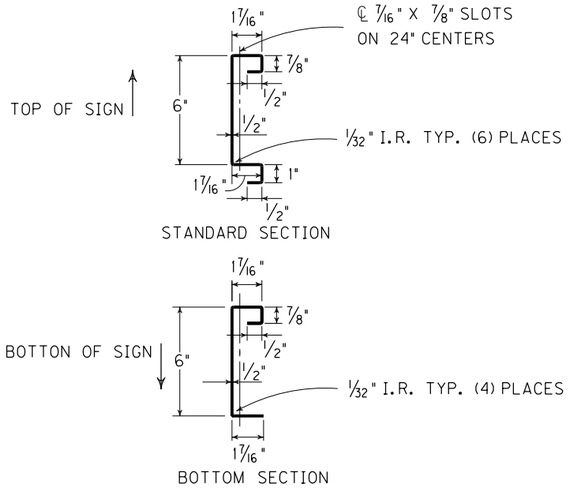
PANEL DETAILS



MINIMUM WEIGHT PER LINEAR FOOT

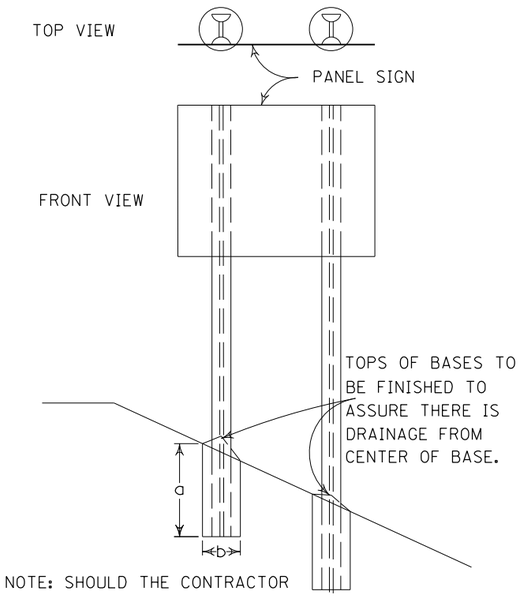
6" PANEL - 1.115 LBS.
12" PANEL - 2.485 LBS.

TYPICAL SECTIONS
ALUMINUM SIGN PANEL EXTRUSIONS

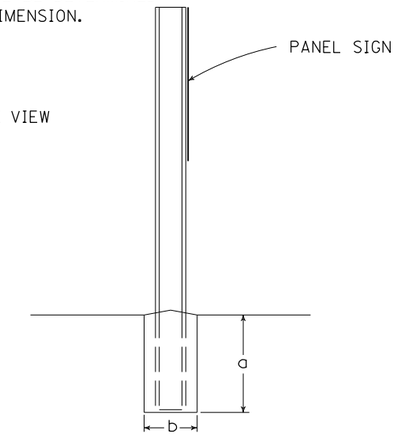


TYPICAL SECTIONS
STEEL SIGN PANEL EXTRUSIONS

TYPICAL BEAM WITH TYPE "A" CONCRETE BASE DETAIL



NOTE: SHOULD THE CONTRACTOR OVERDRILL THE HOLE, EXTRA CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE. PAYMENT WILL BE DETERMINED BY THE "a" DIMENSION.

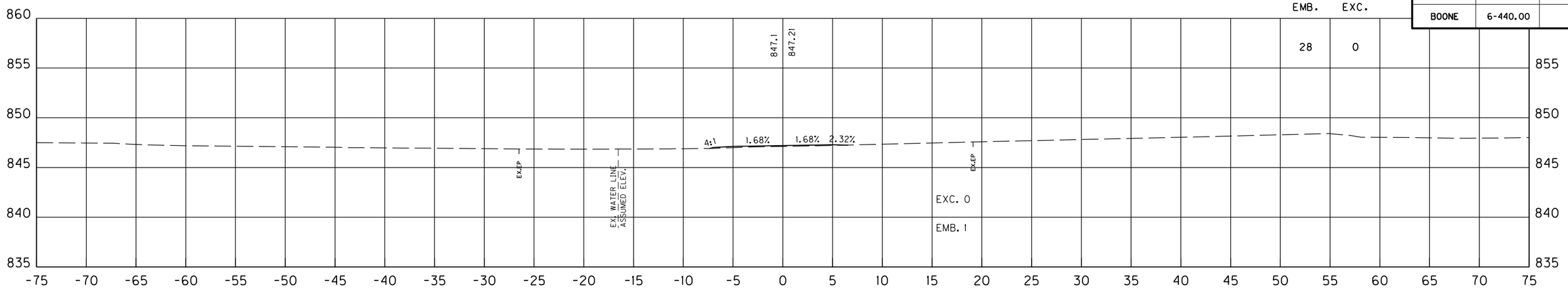


NOT TO SCALE

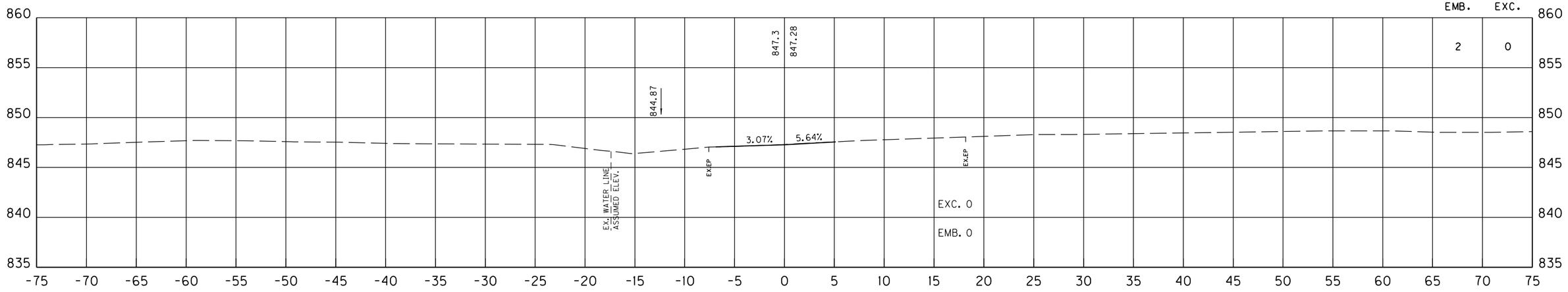
SIGNING MISCELLANEOUS DETAIL SHEET

FILE NAME: C:\PW_WORKDIR\DMS488814\T019 GEN MISC POSTS DETAIL SHEET .DGN
USER: jarrod.stanley
DATE PLOTTED: April 1, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

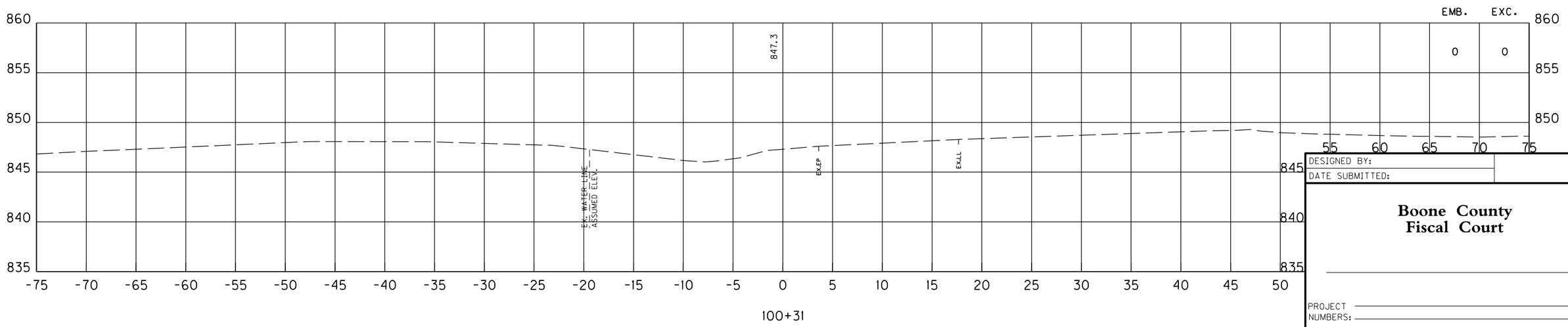
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X1



101+00



100+50



100+31

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

DESIGNED BY:
DATE SUBMITTED:

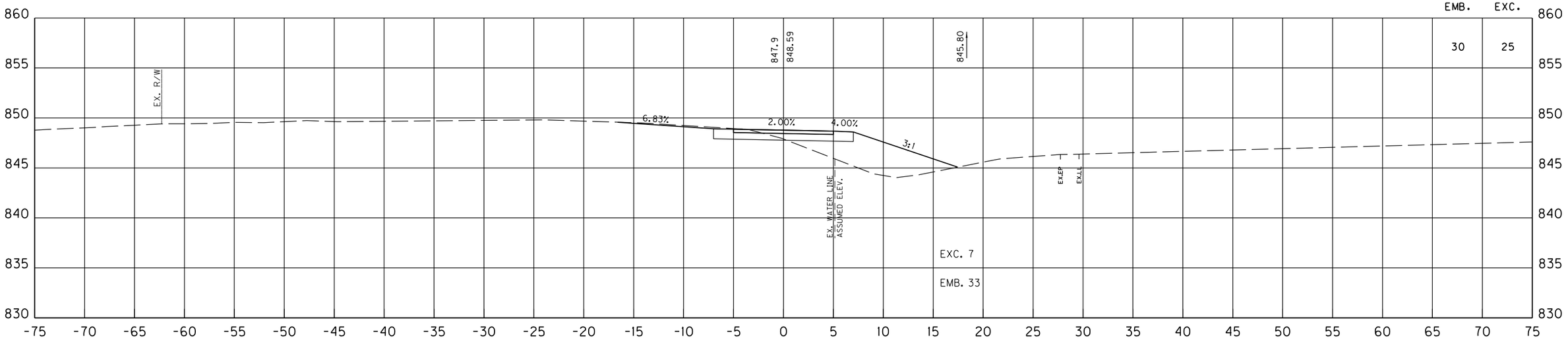
Boone County Fiscal Court

PROJECT NUMBERS:

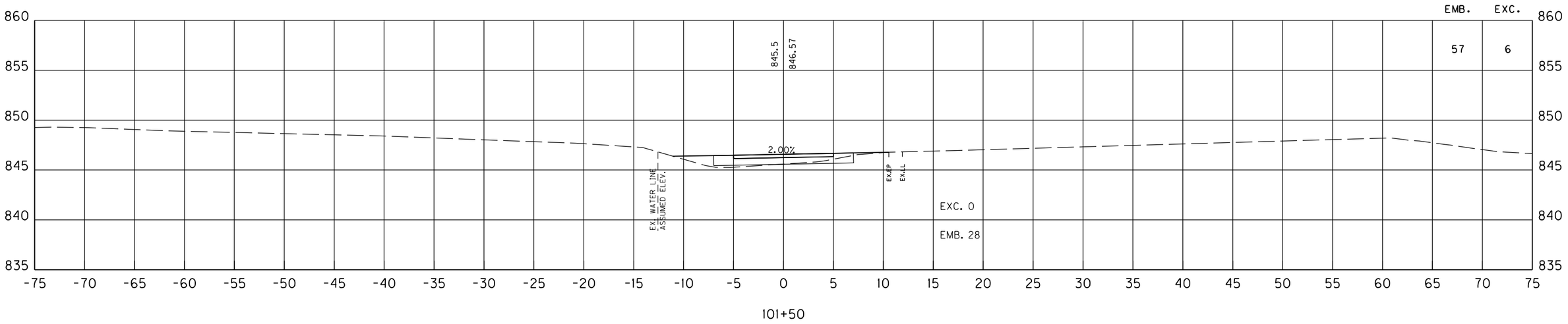
KY 237 MUP
STA. 100+00 TO STA. 101+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X2



102+00



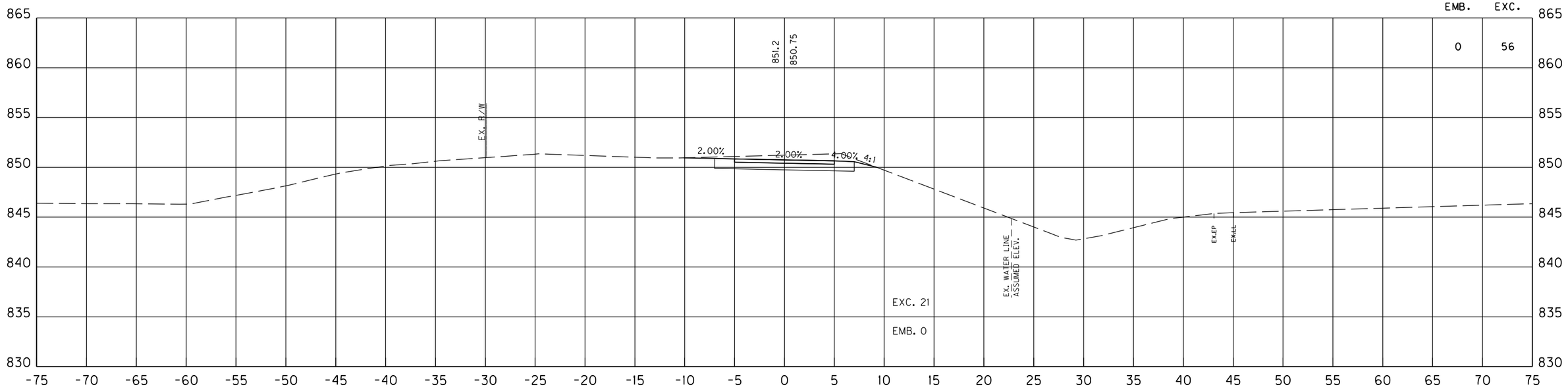
101+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

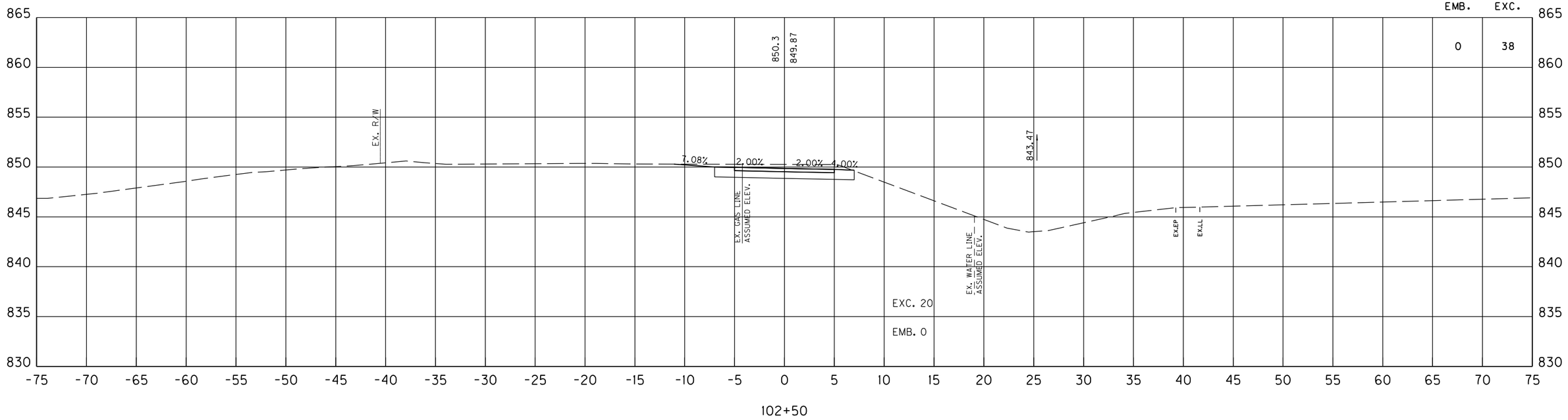
KY 237 MUP
STA. 101+50 TO STA. 102+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X3



103+00



102+50

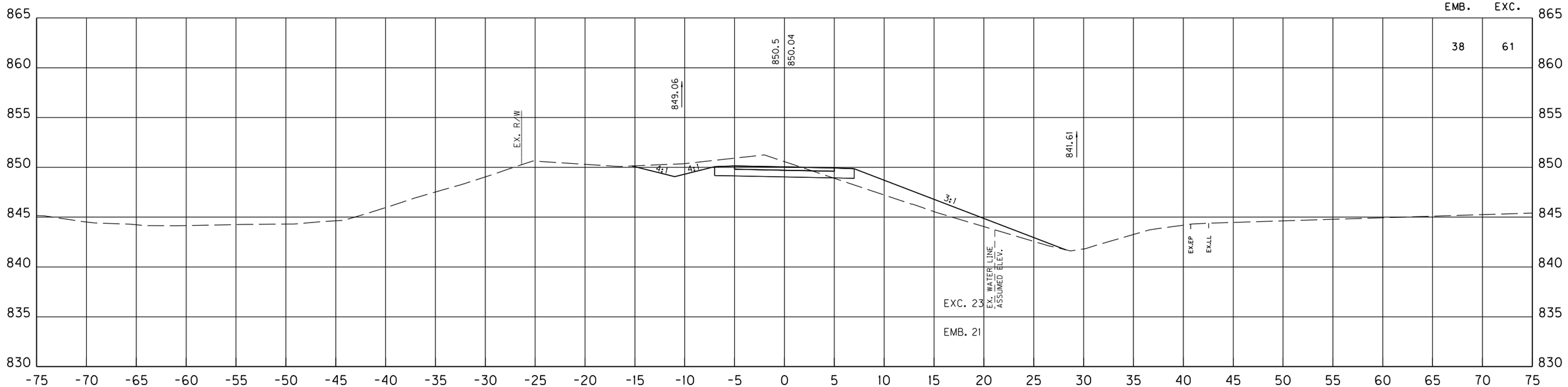
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 102+50 TO STA. 103+00
MAINLINE CROSS SECTIONS

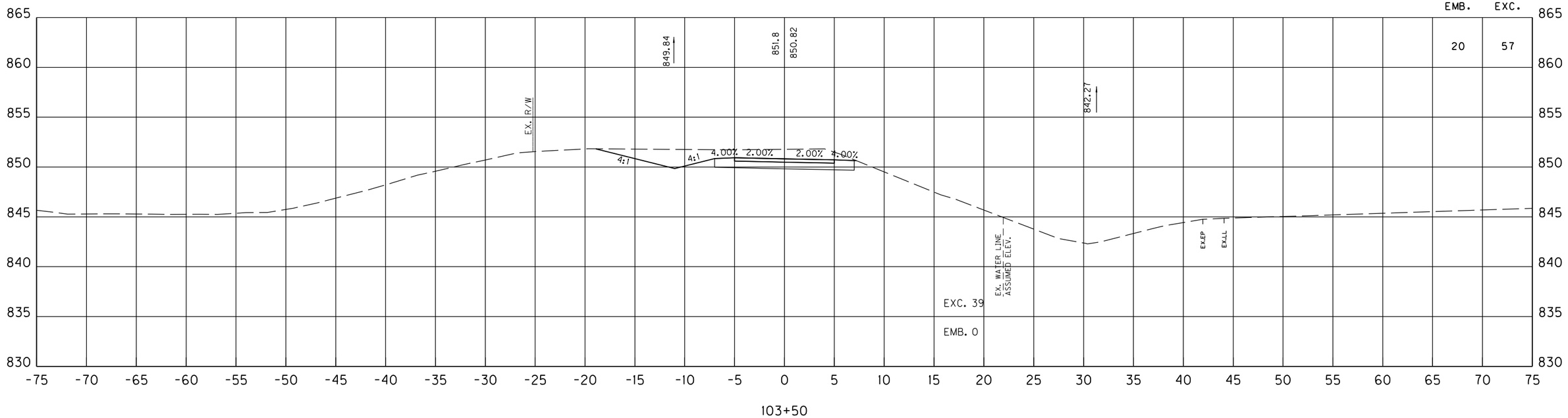
Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X4

SHEET TOTALS STA. 100+00 TO 104+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	136	182



104+00



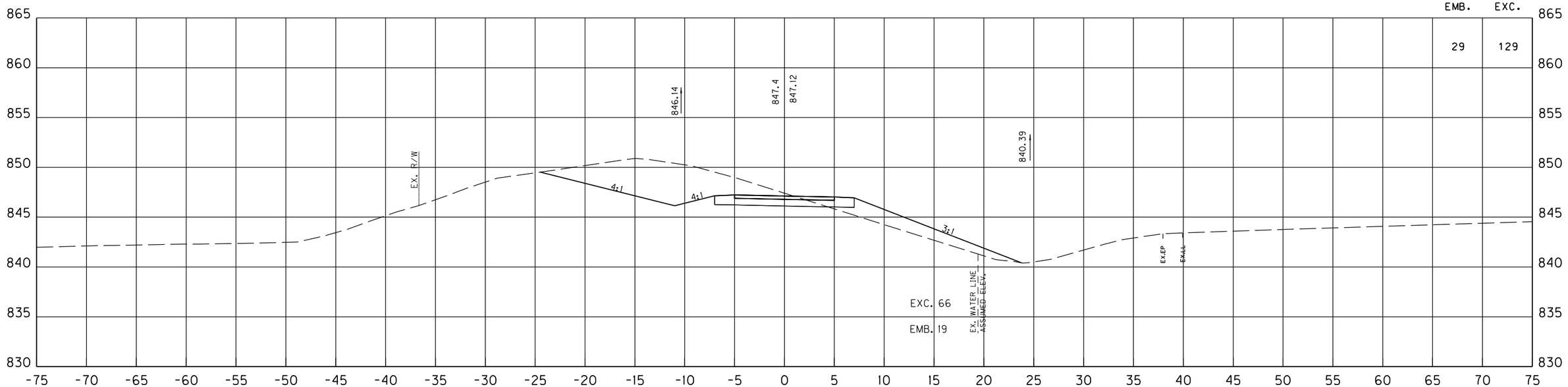
103+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

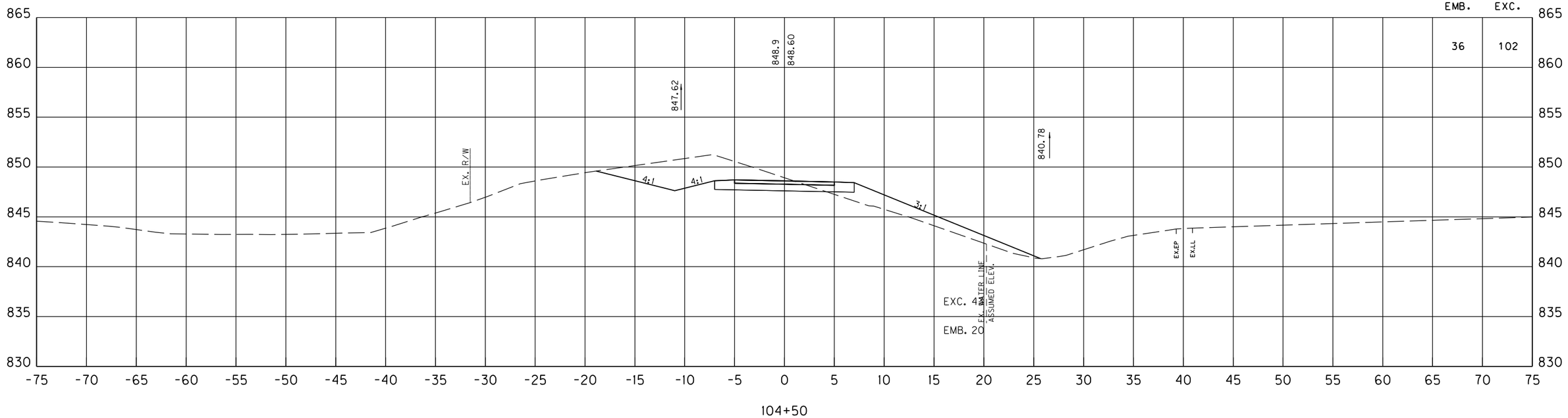
KY 237 MUP
STA. 103+50 TO STA. 104+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X5



105+00



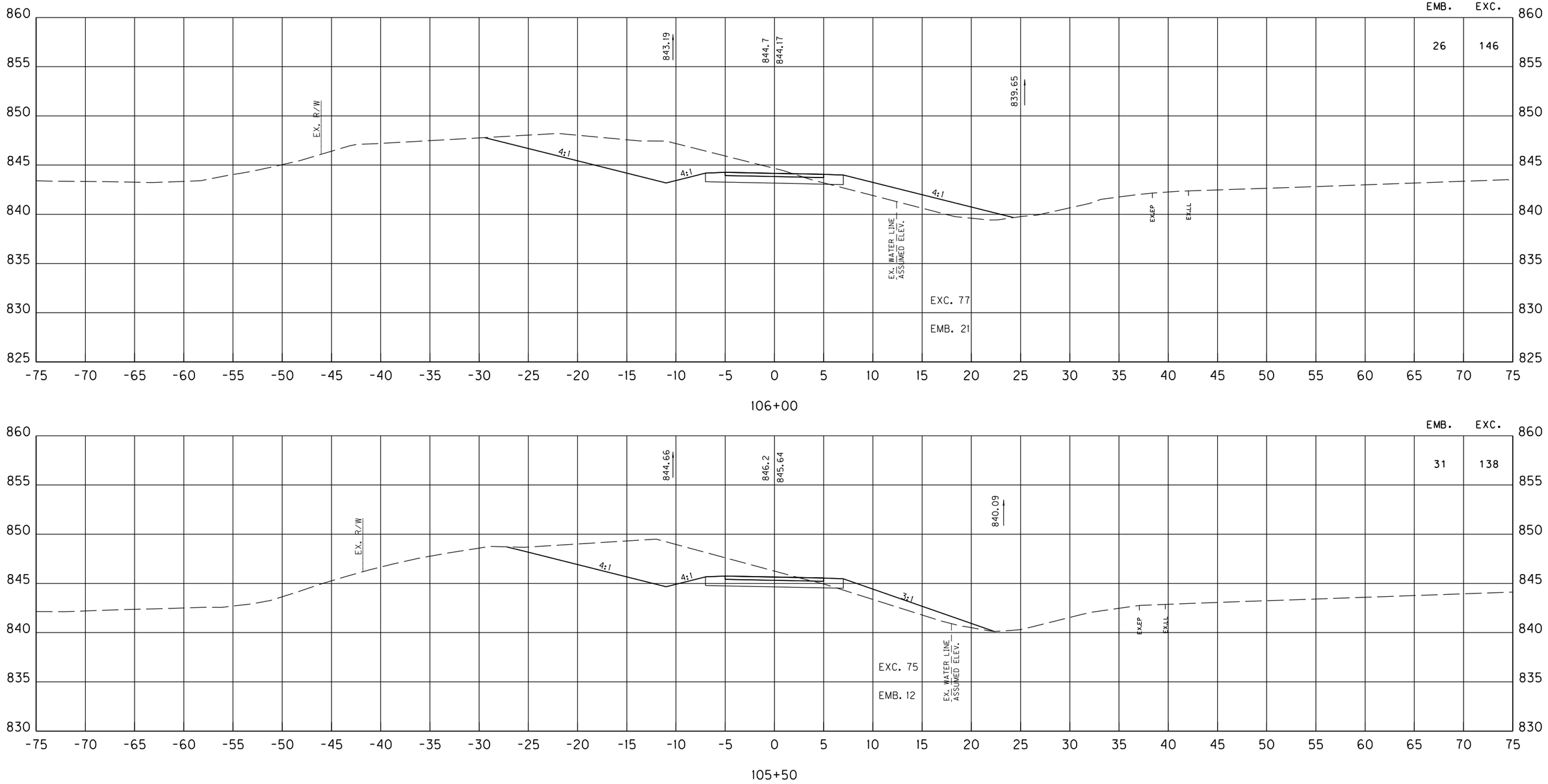
104+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 104+50 TO STA. 105+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X6



106+00

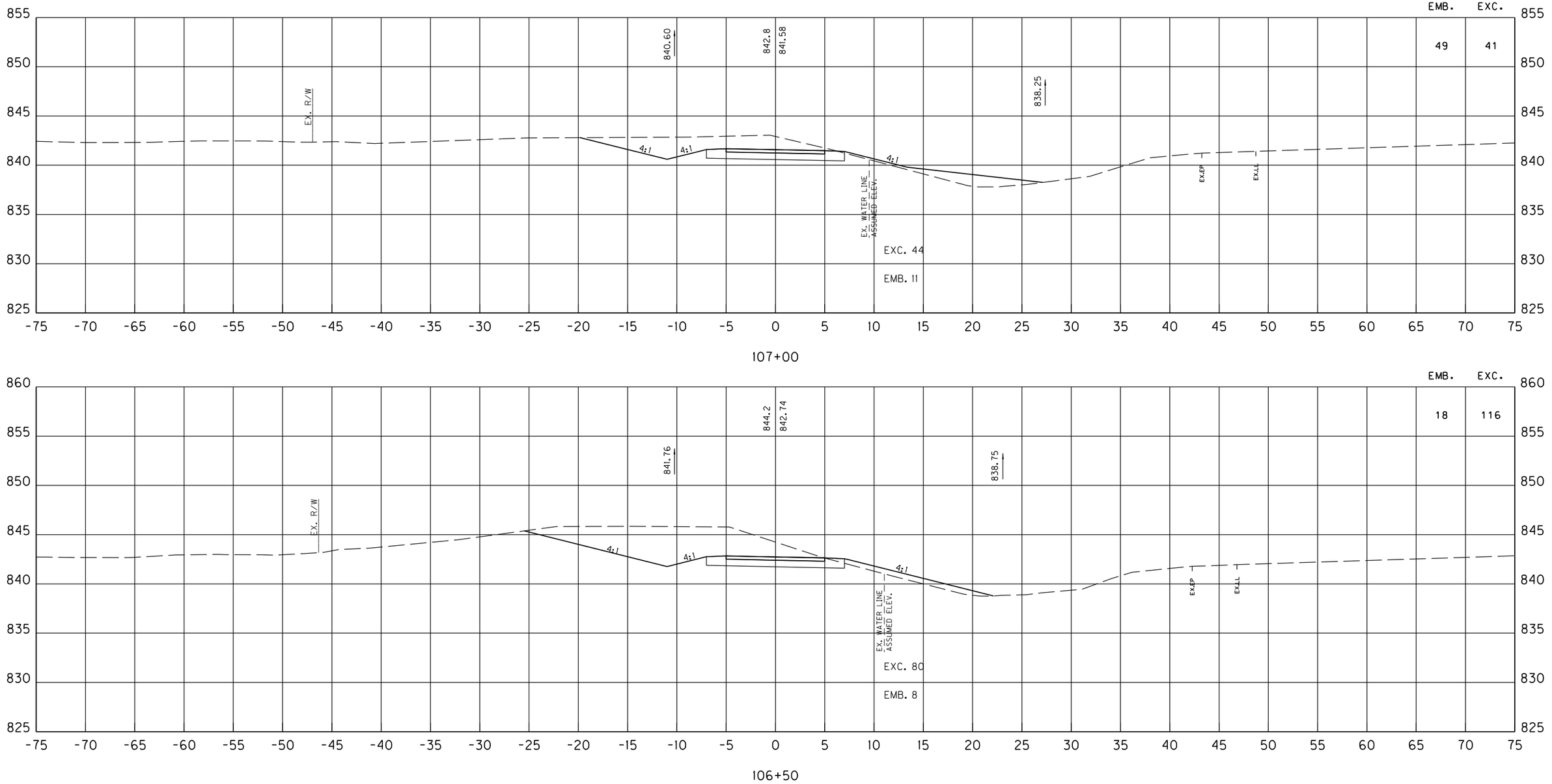
105+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 105+50 TO STA. 106+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X7

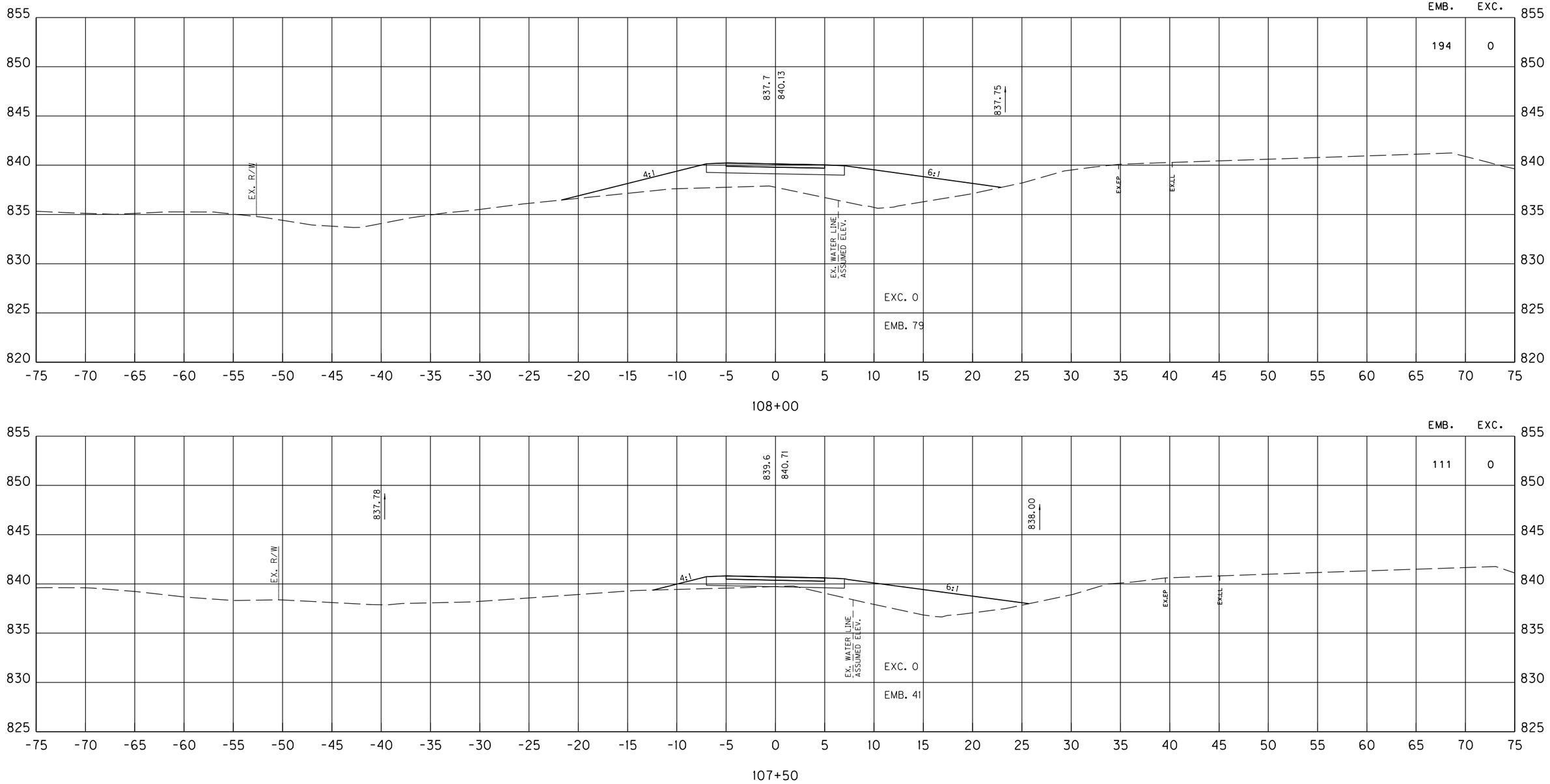


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 106+50 TO STA. 107+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X8



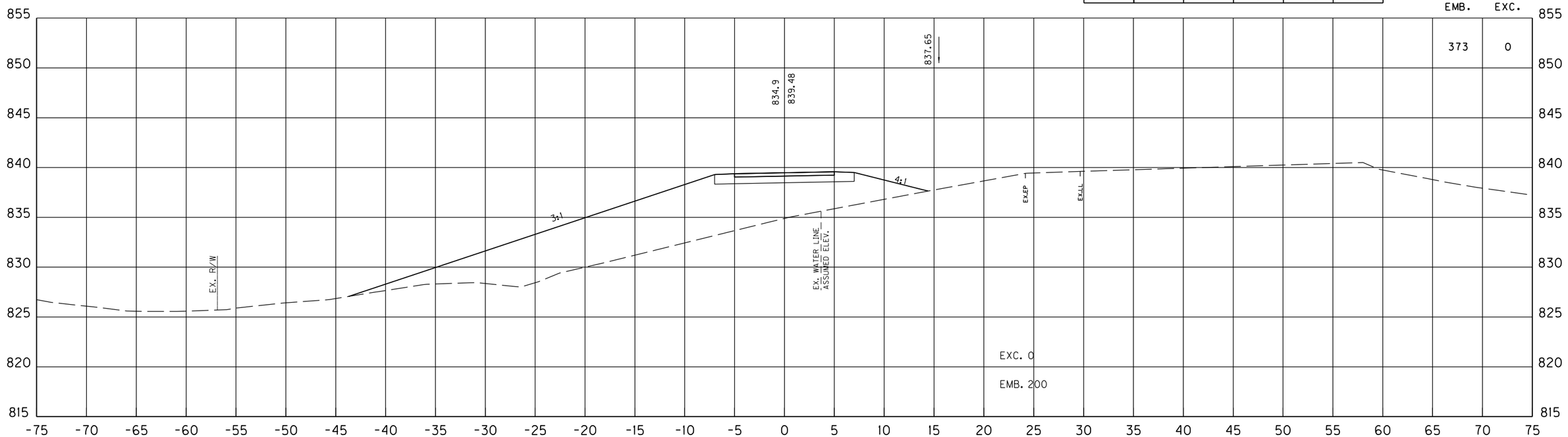
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 107+50 TO STA. 108+00
MAINLINE CROSS SECTIONS

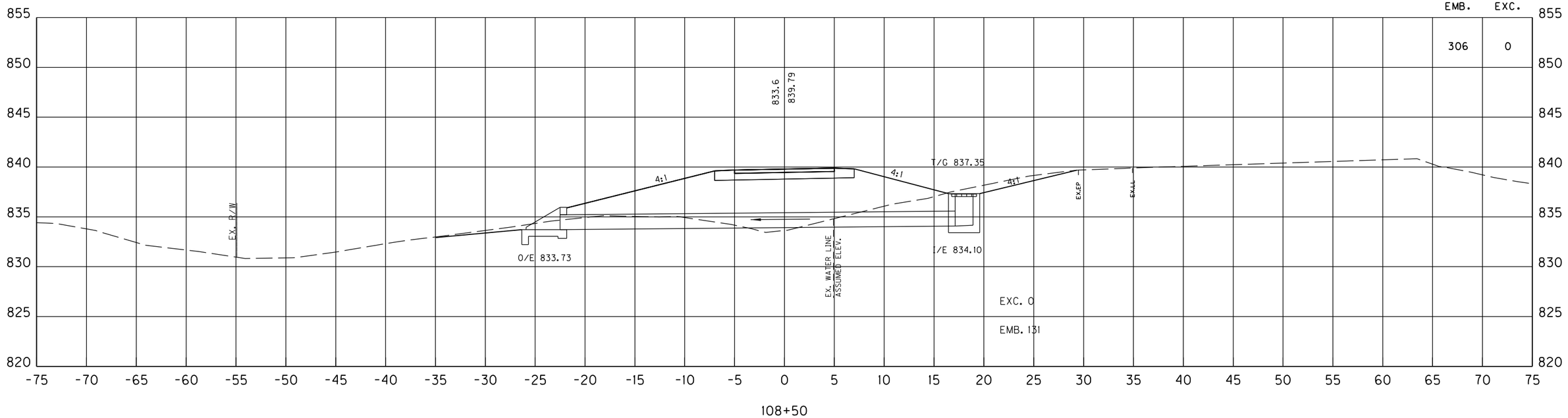
FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X9

SHEET TOTALS STA. 104+00 TO 109+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	838	732



109+00



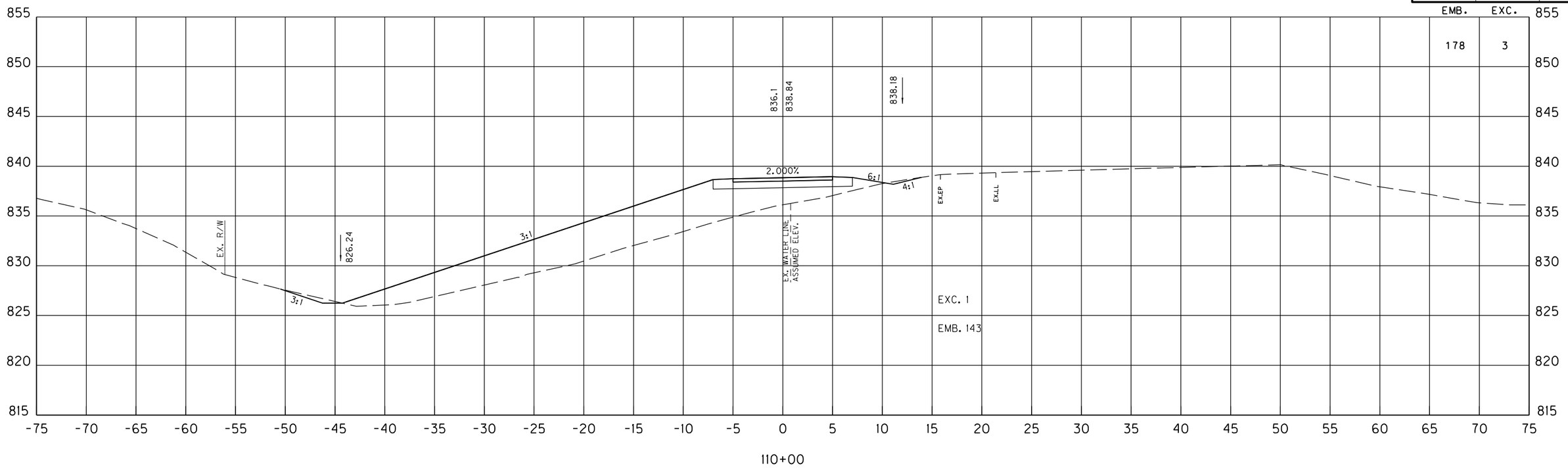
108+50

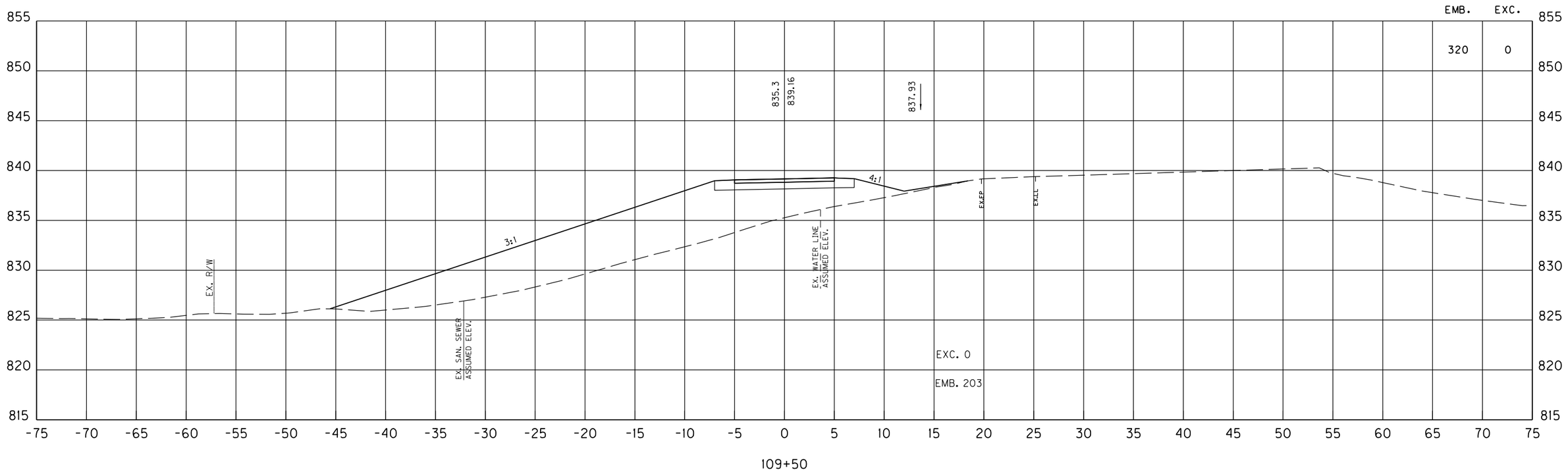
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 108+50 TO STA. 109+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X10



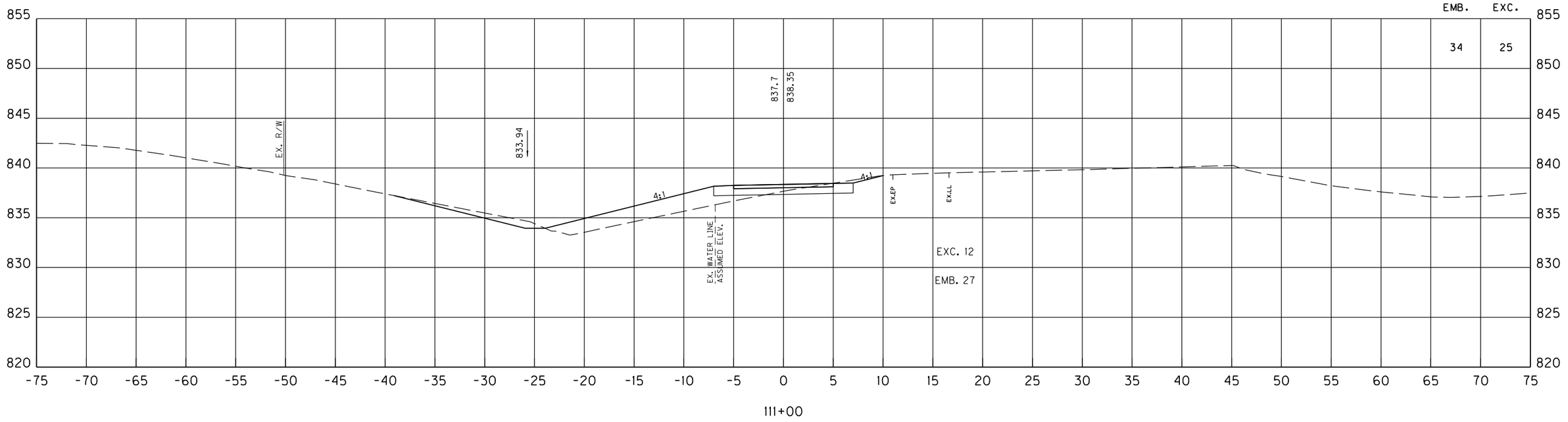


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

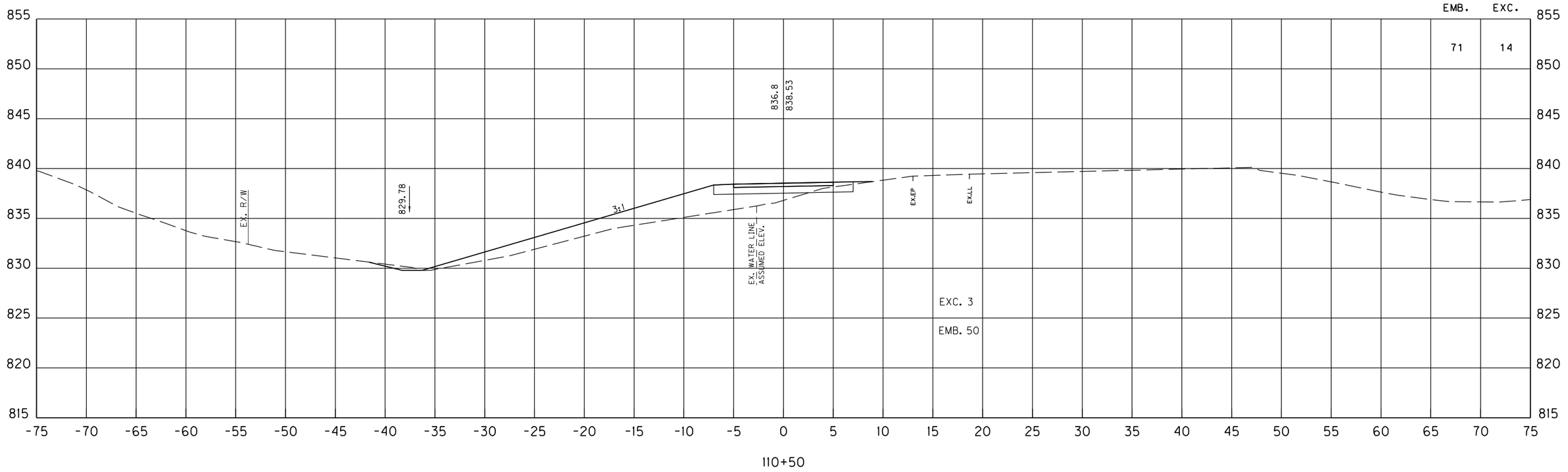
KY 237 MUP
STA. 109+50 TO STA. 110+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XII



111+00



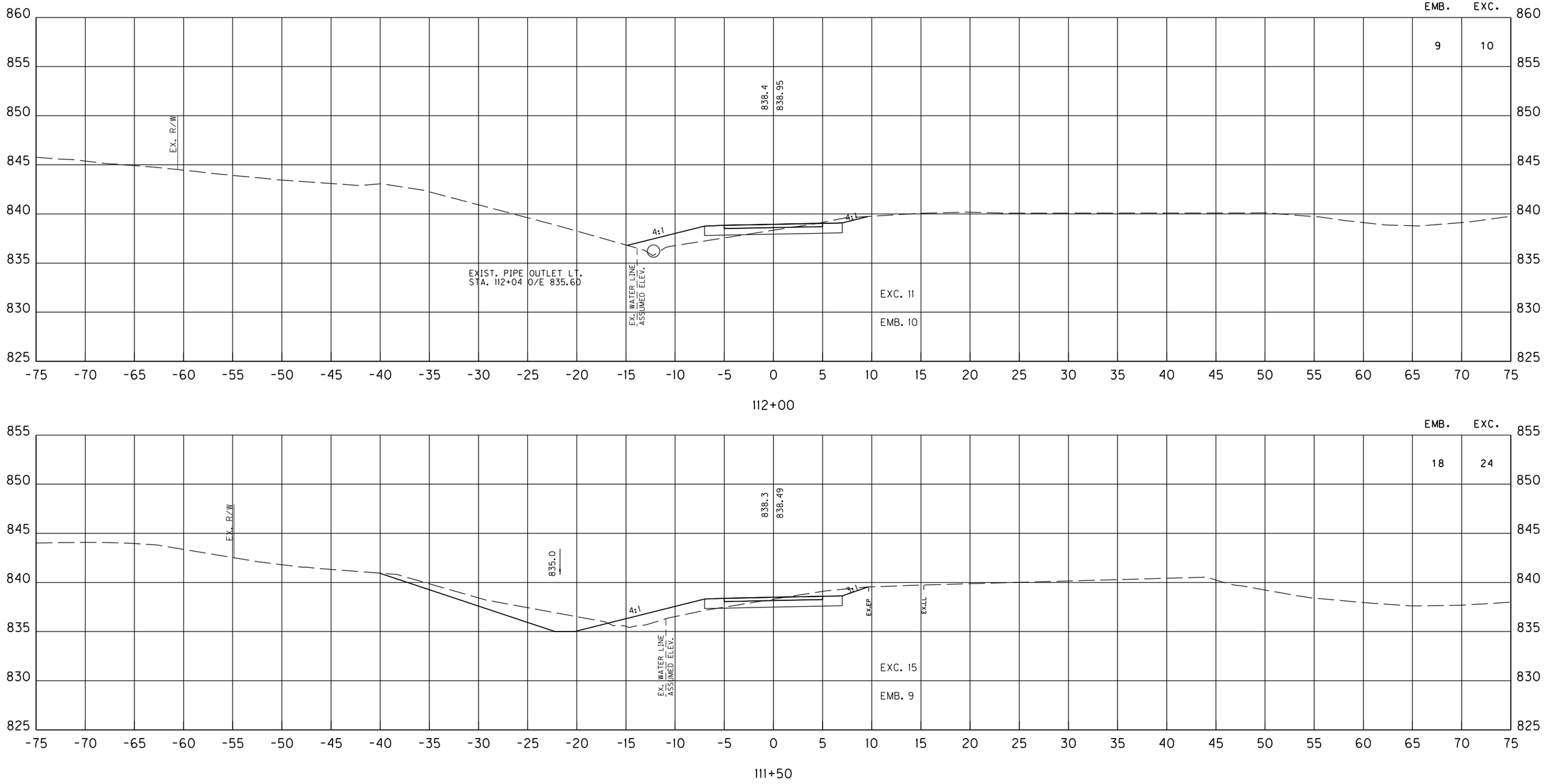
110+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 110+50 TO STA. 111+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: janet
DATE PLOTTED: October 29, 2020
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X12

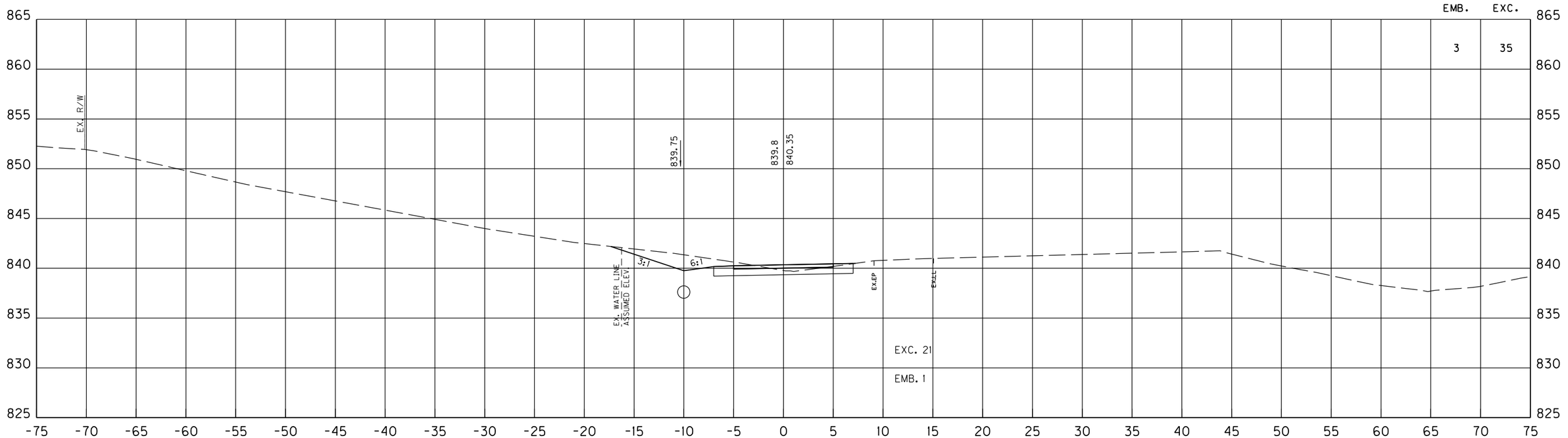


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

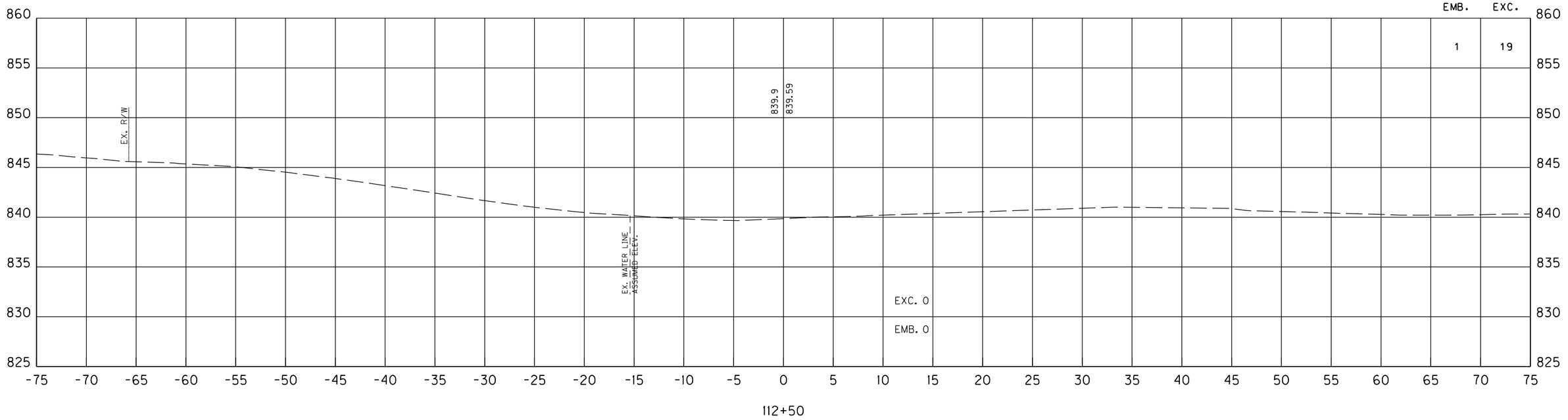
KY 237 MUP
STA. 111+50 TO STA. 112+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X13



113+00



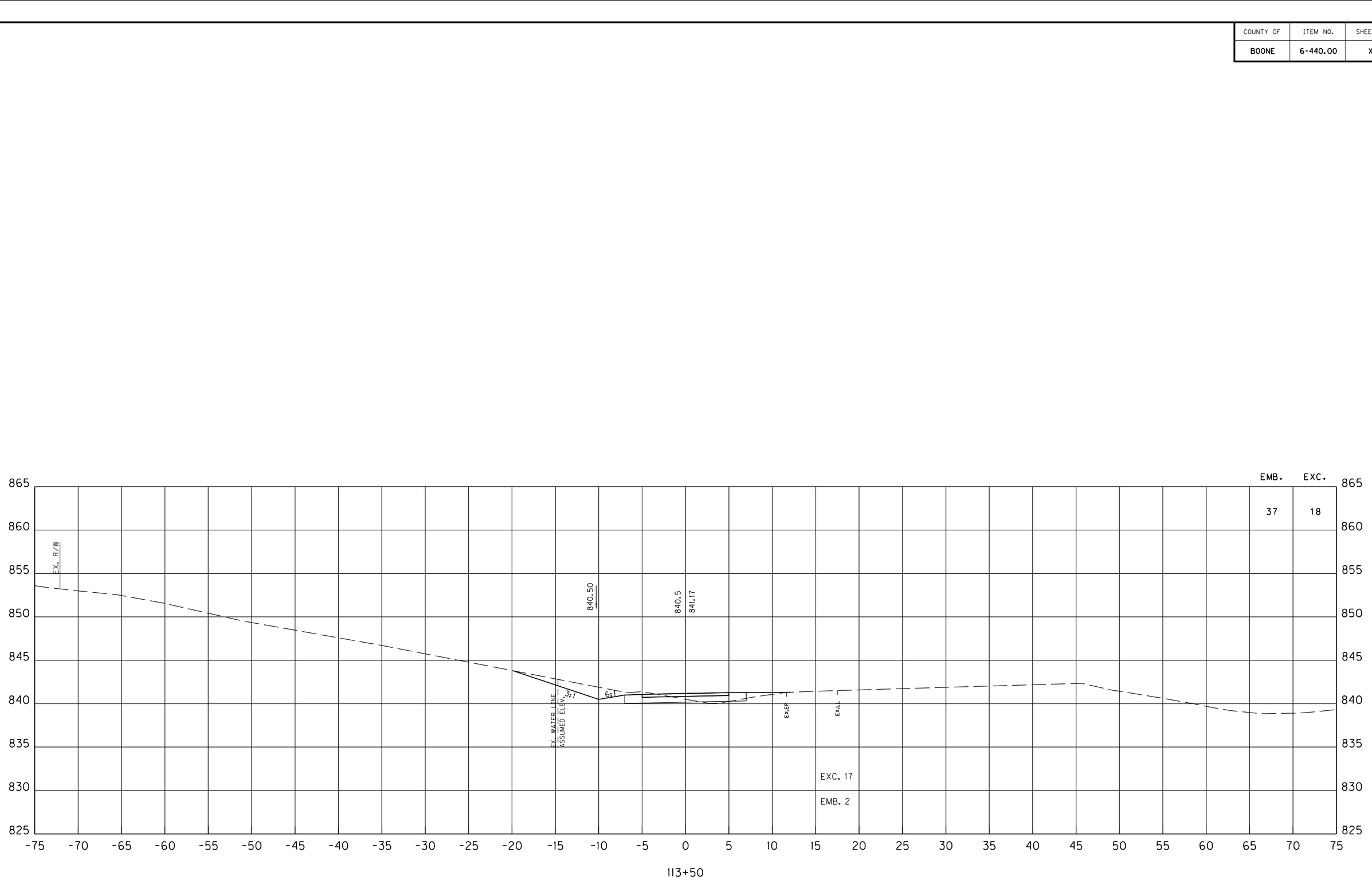
112+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 112+50 TO STA. 113+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: janet
DATE PLOTTED: October 29, 2020
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X14



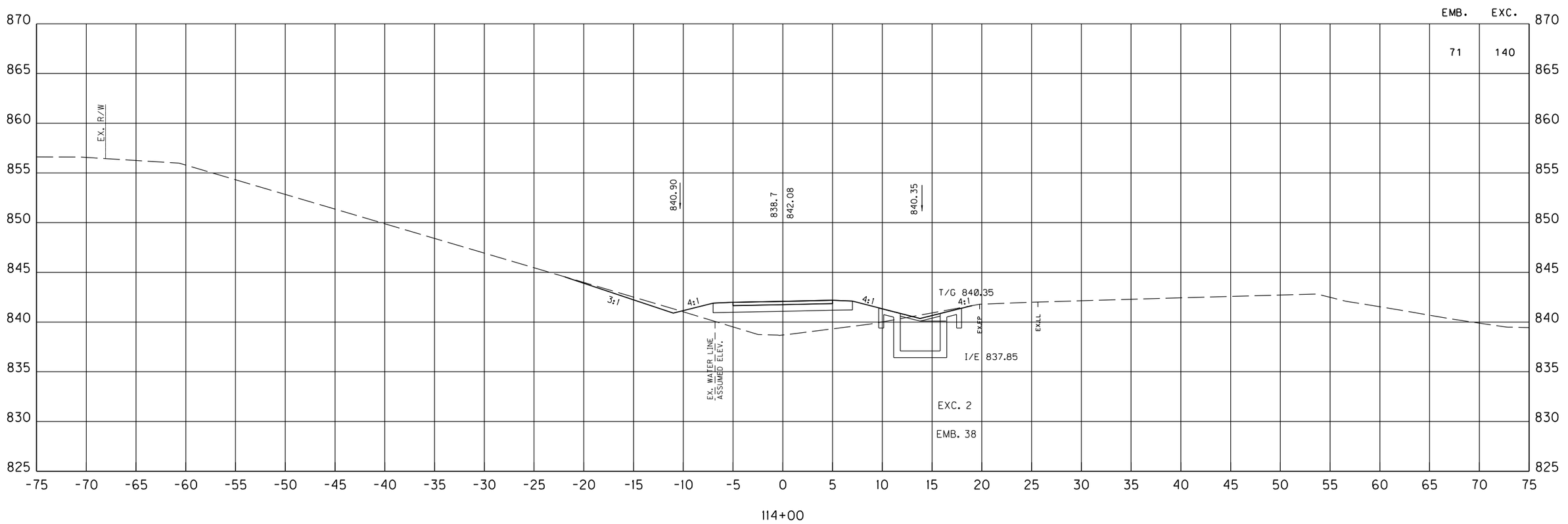
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 113+50 TO STA. 113+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X15

SHEET TOTALS STA. 109+00 TO 114+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1044	149

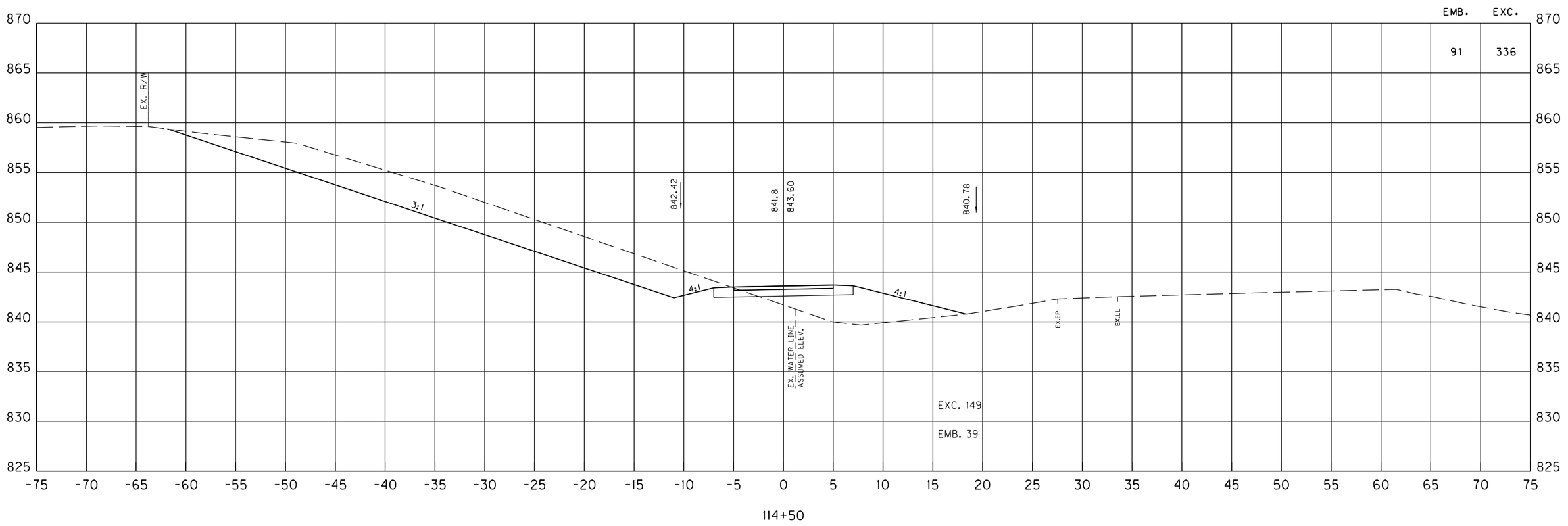


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 114+00 TO STA. 114+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X16

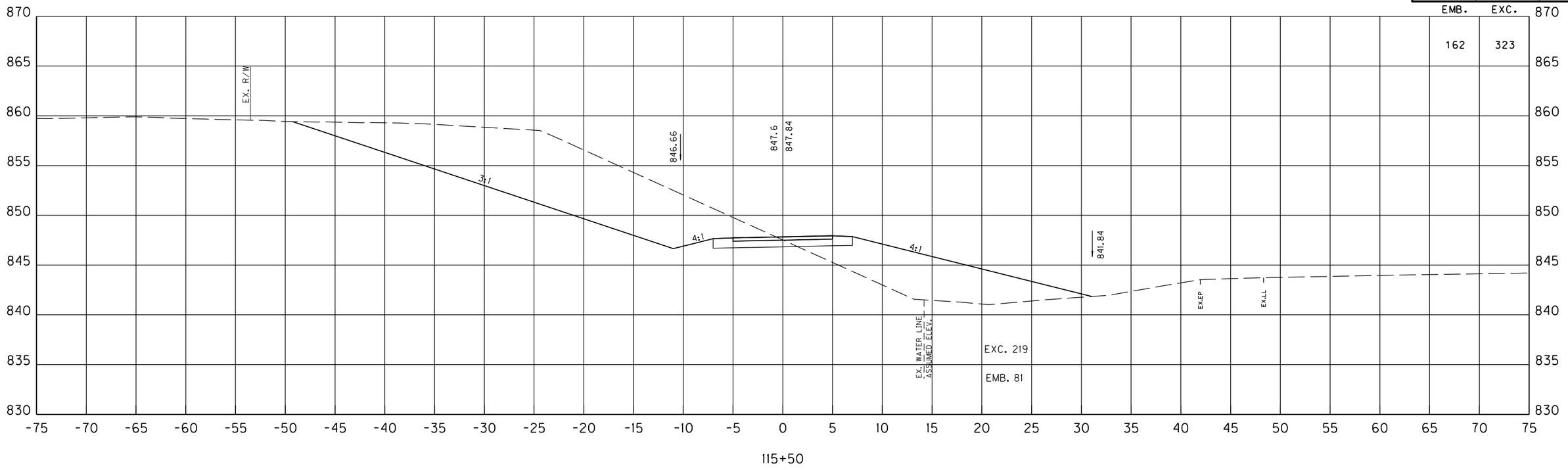


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

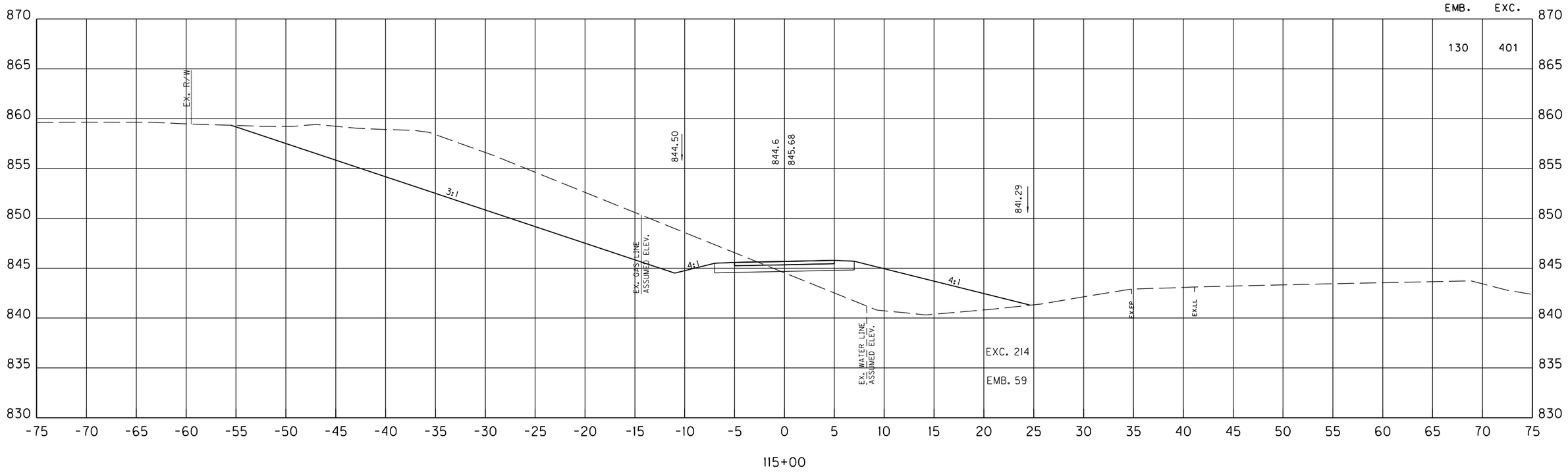
KY 237 MUP
STA. 114+50 TO STA. 114+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X17



115+50



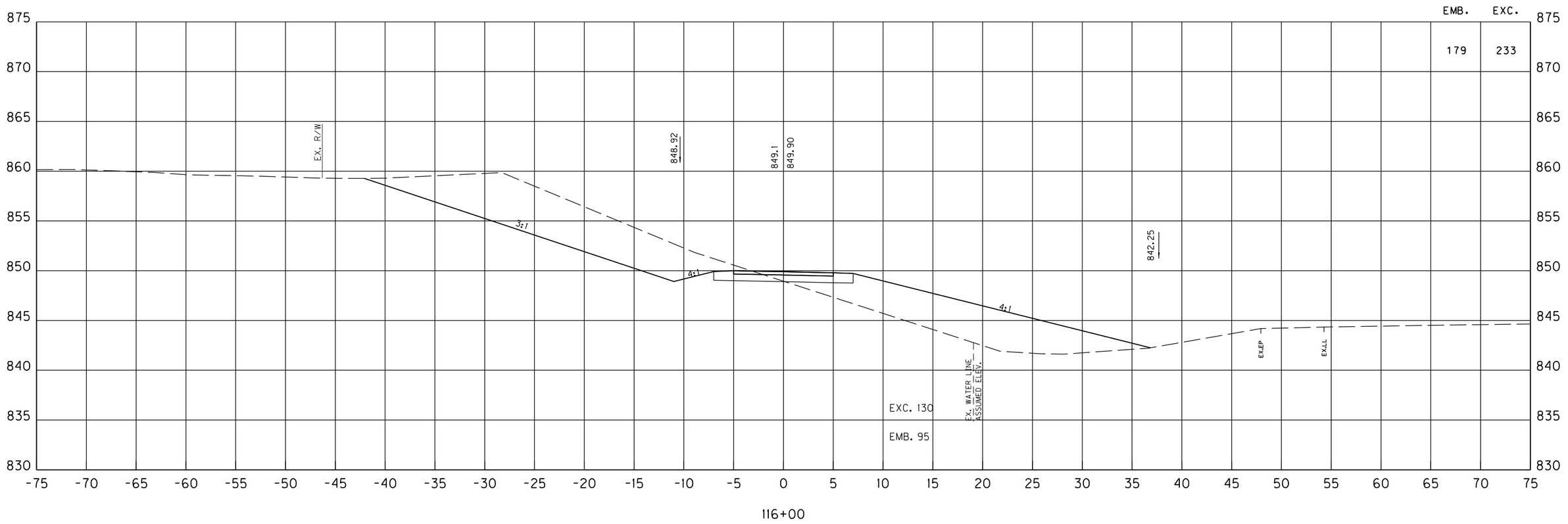
115+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 115+00 TO STA. 115+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X18

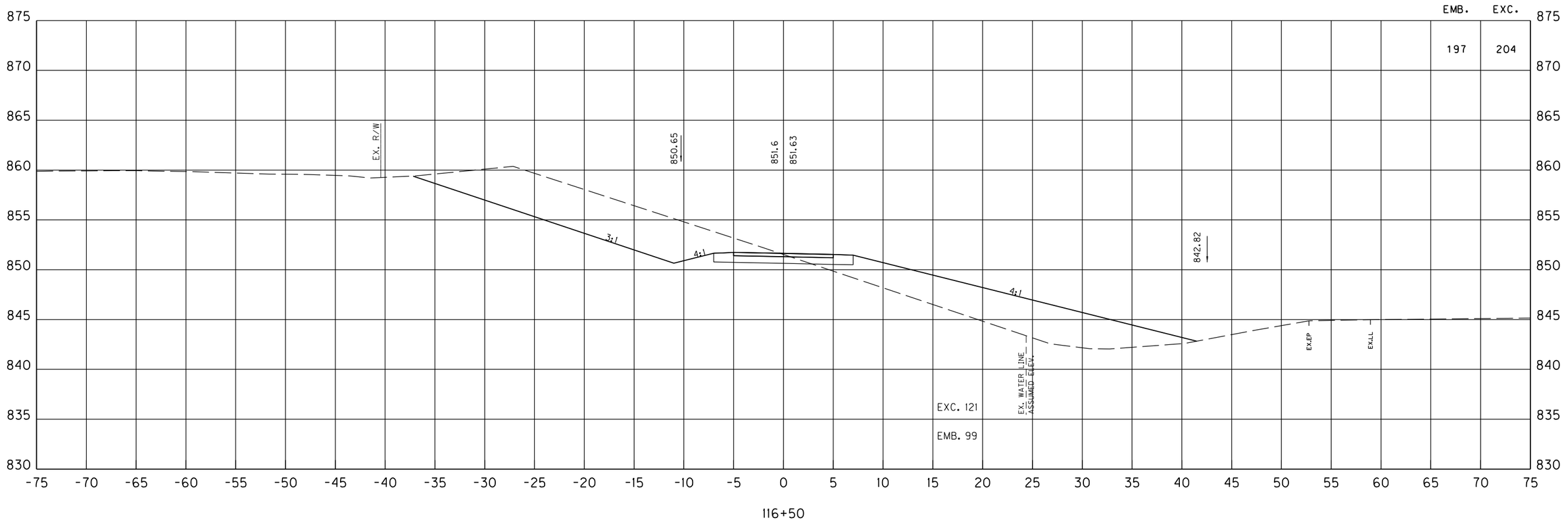


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 116+00 TO STA. 116+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X19

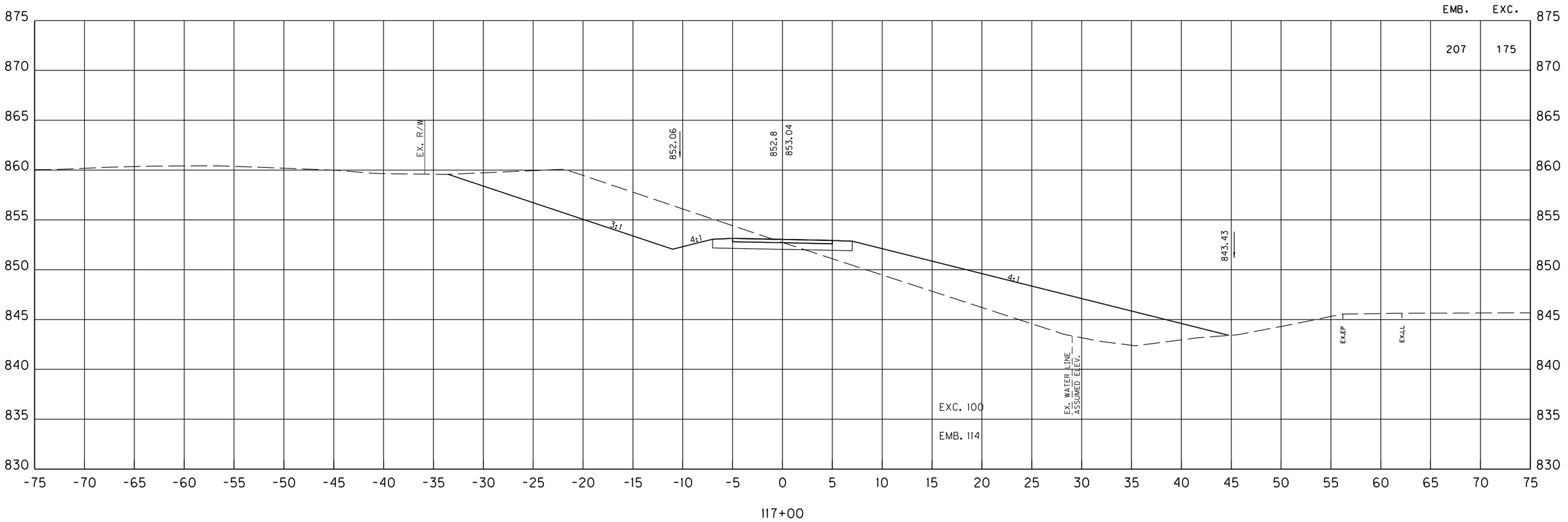


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 116+50 TO STA. 116+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X20

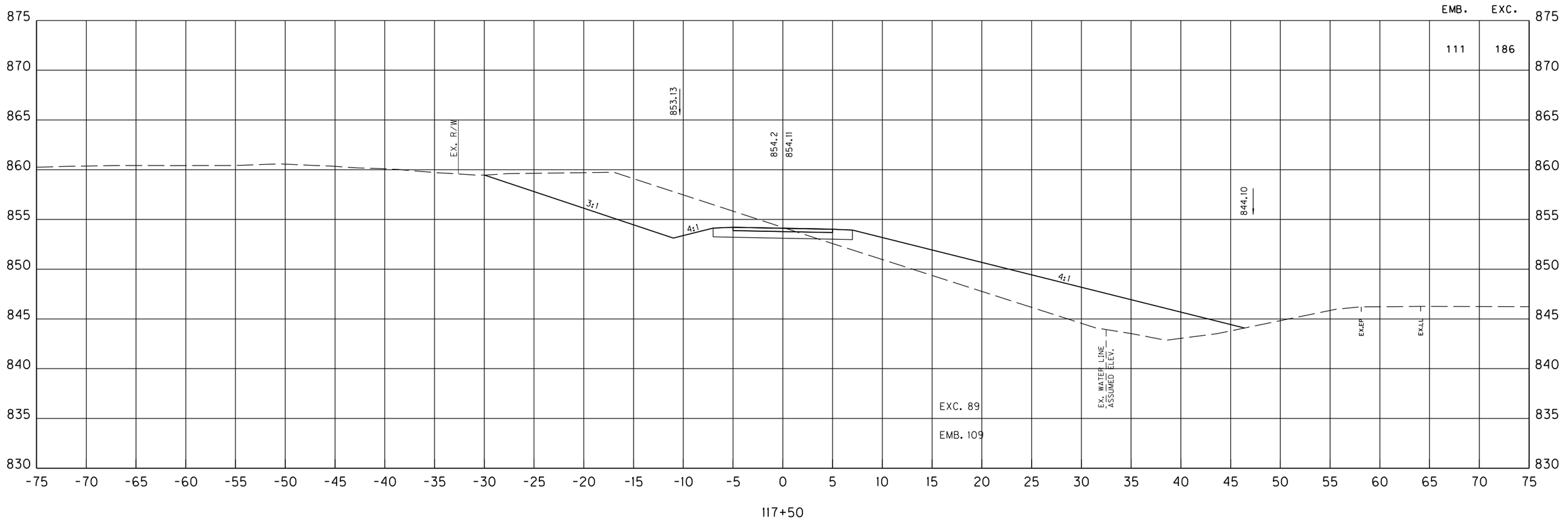


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 117+00 TO STA. 117+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X21

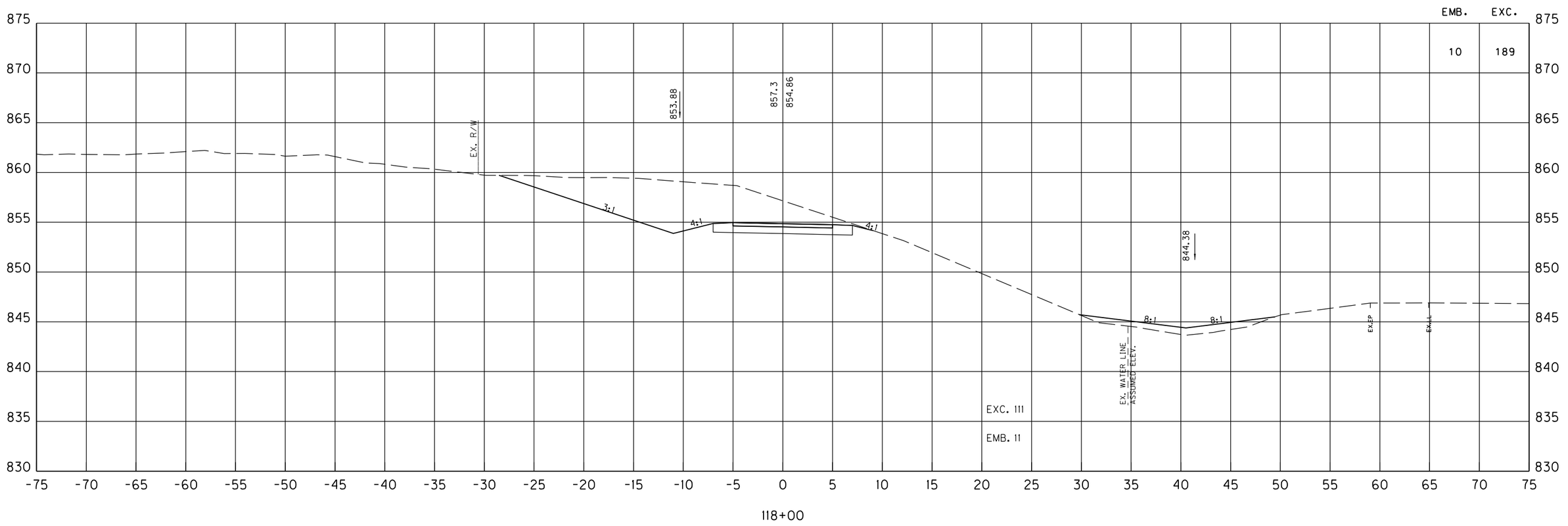


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 117+50 TO STA. 117+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X22



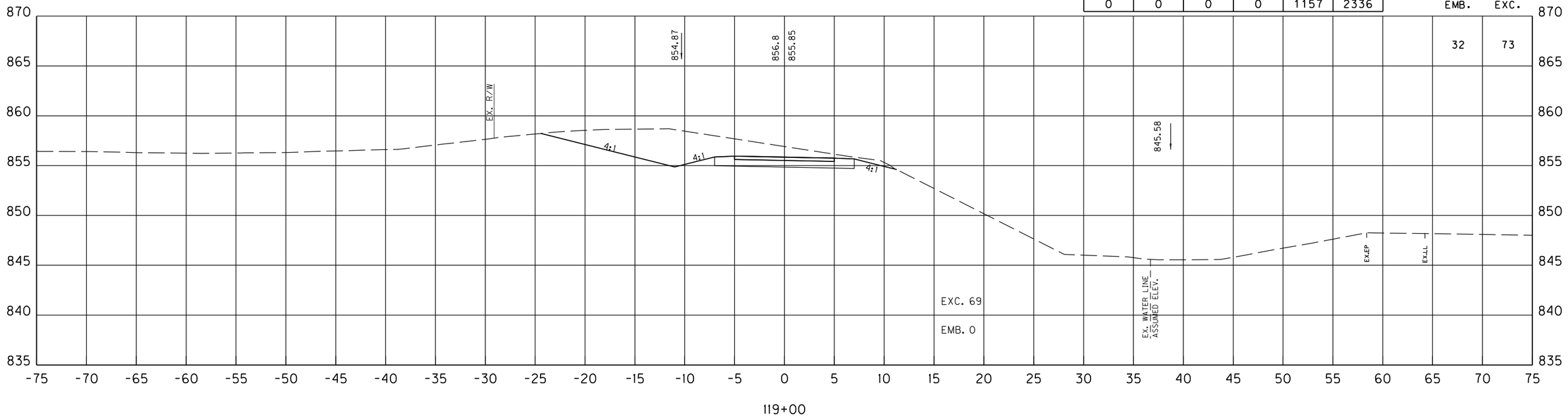
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

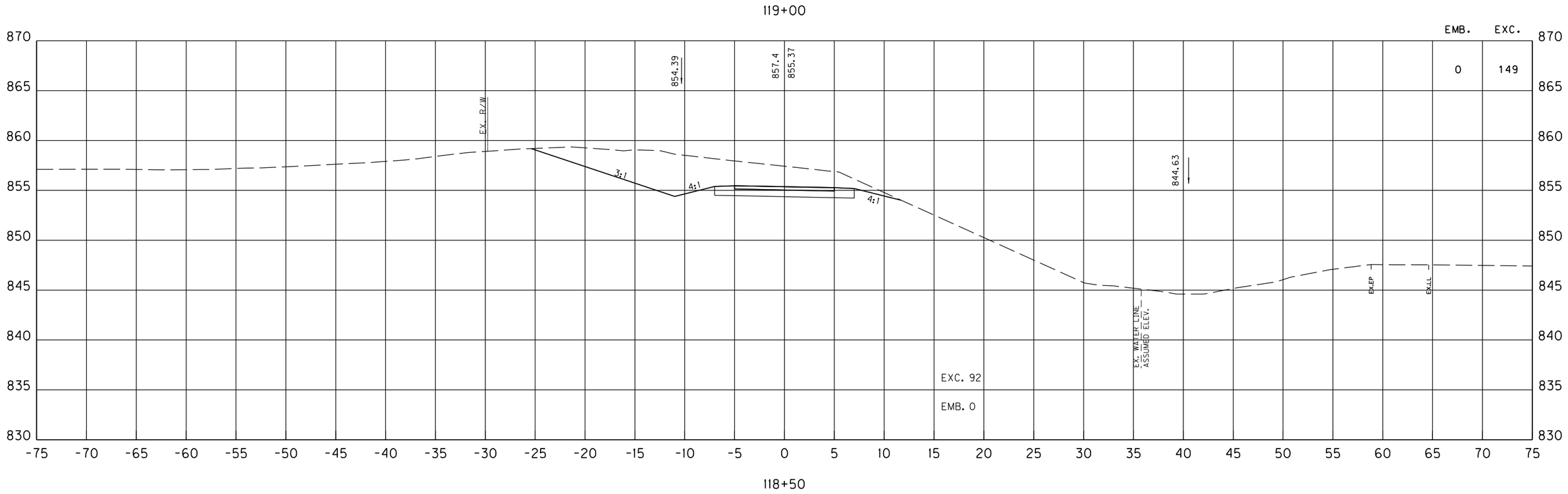
KY 237 MUP
STA. 118+00 TO STA. 118+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X23

SHEET TOTALS STA. 114+00 TO 119+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1157	2336



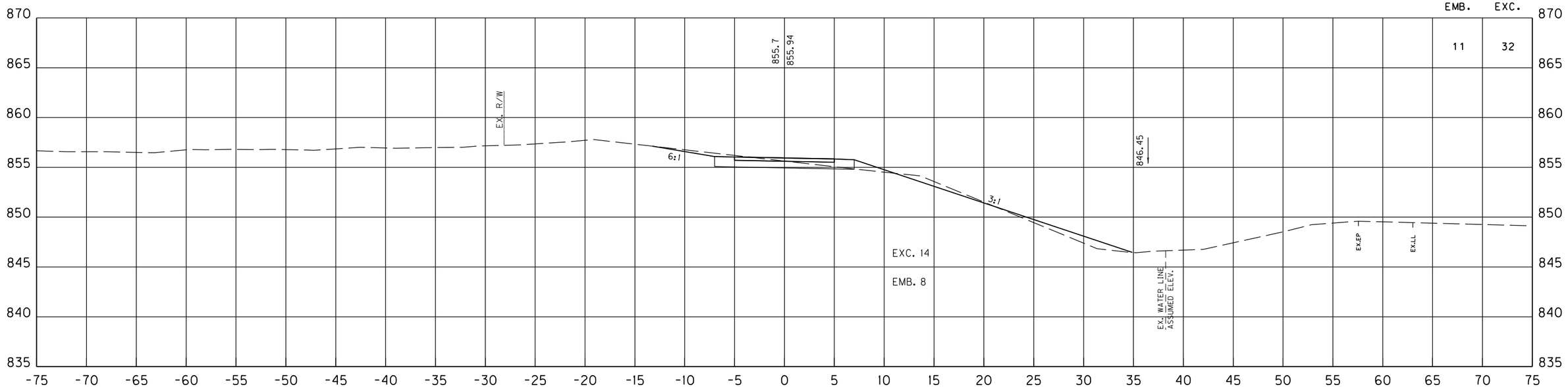


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

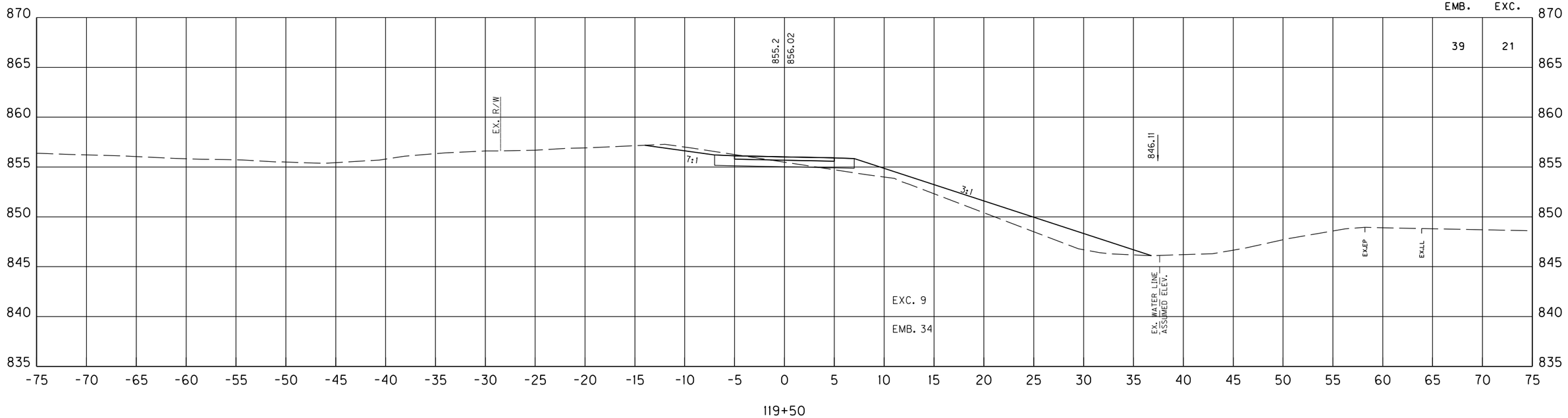
KY 237 MUP
STA. 118+50 TO STA. 119+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X24



120+00



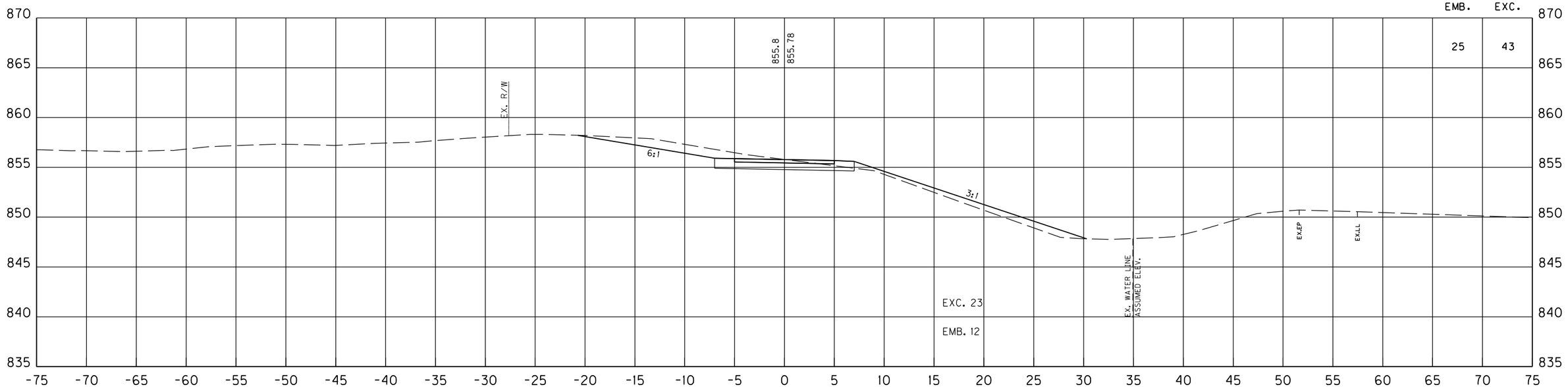
119+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

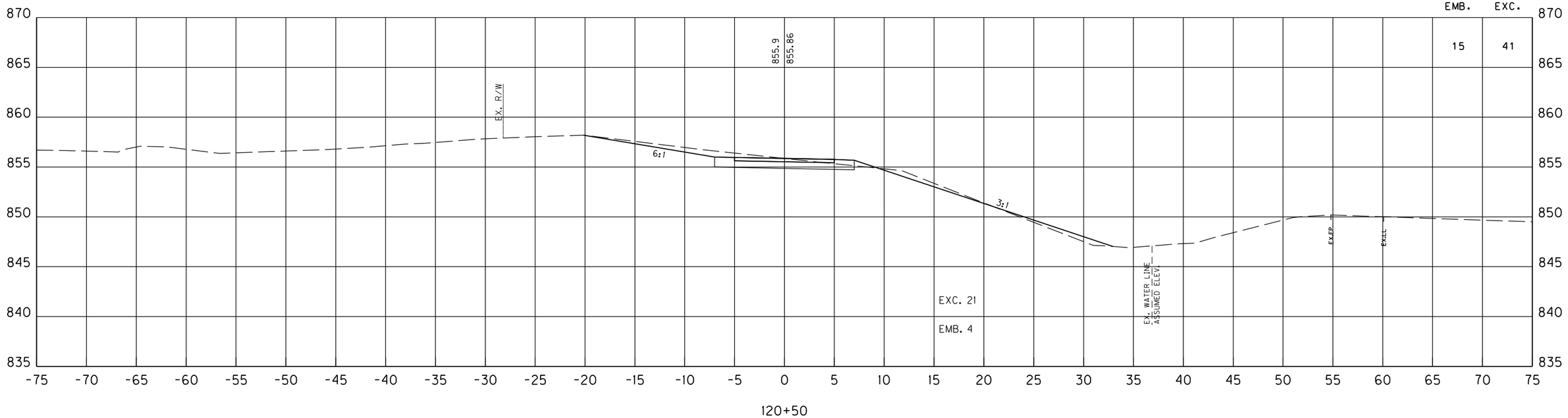
KY 237 MUP
STA. 119+50 TO STA. 120+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X25



121+00



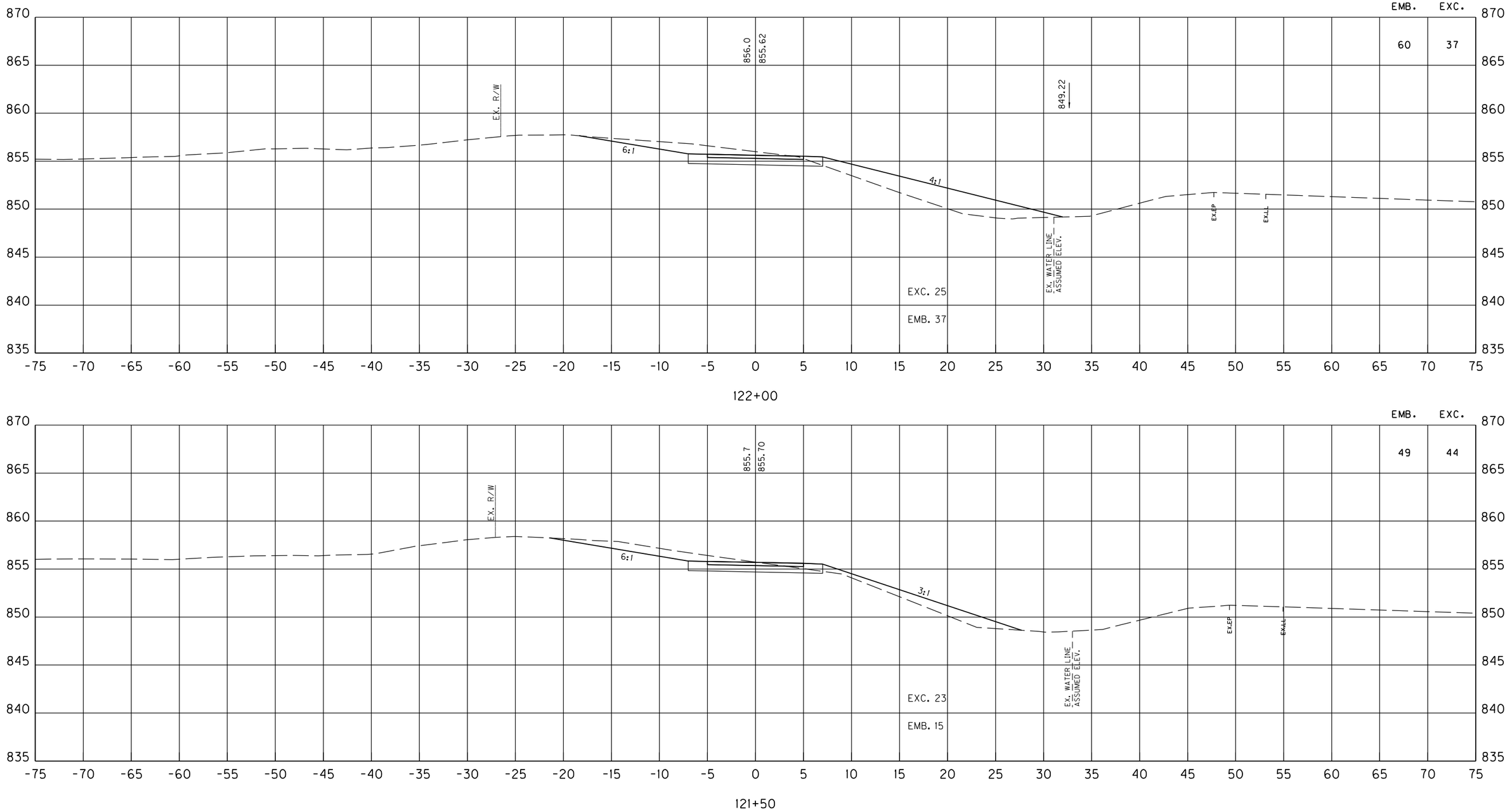
120+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 120+50 TO STA. 121+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X26

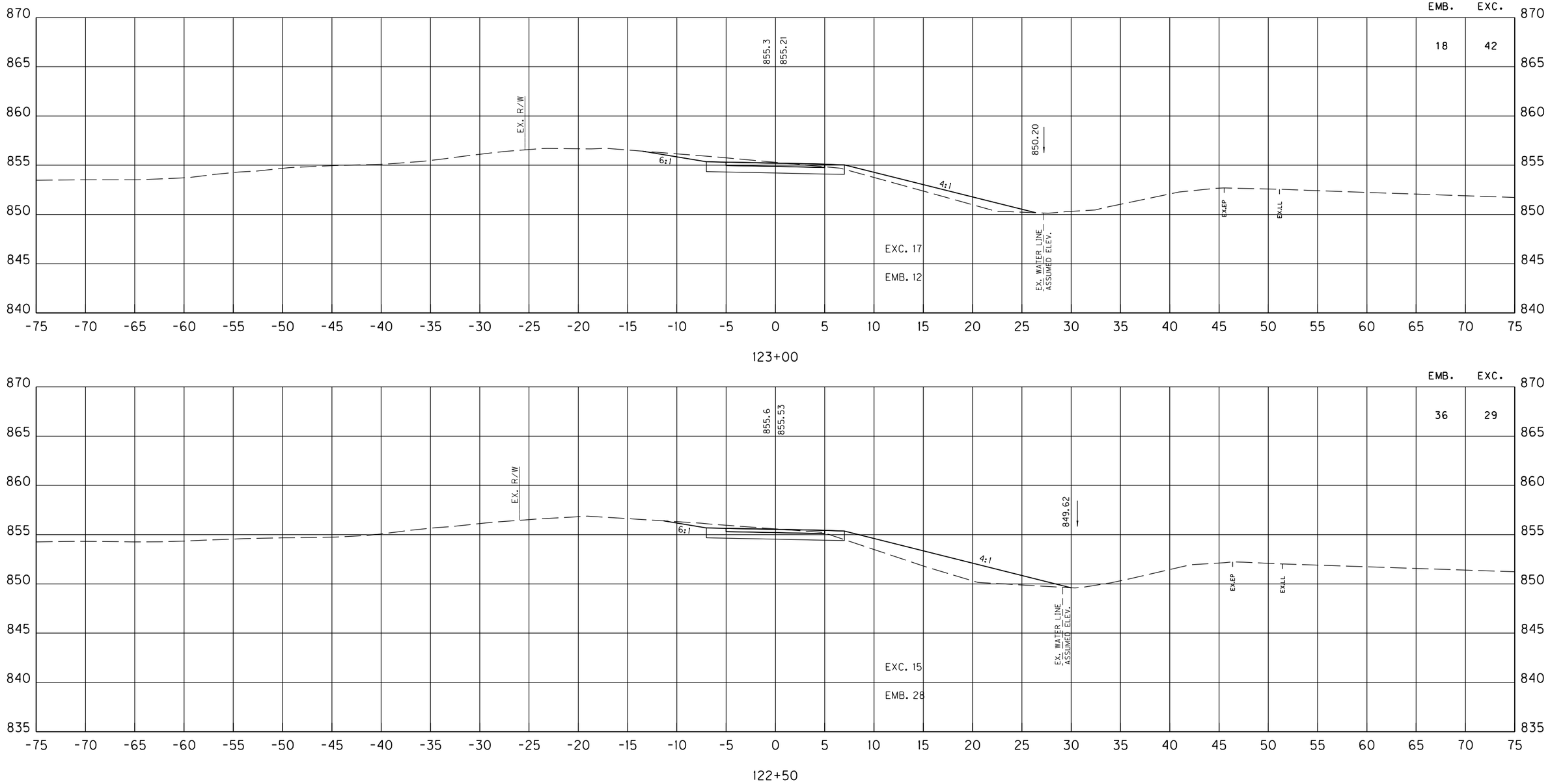


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 121+50 TO STA. 122+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X27



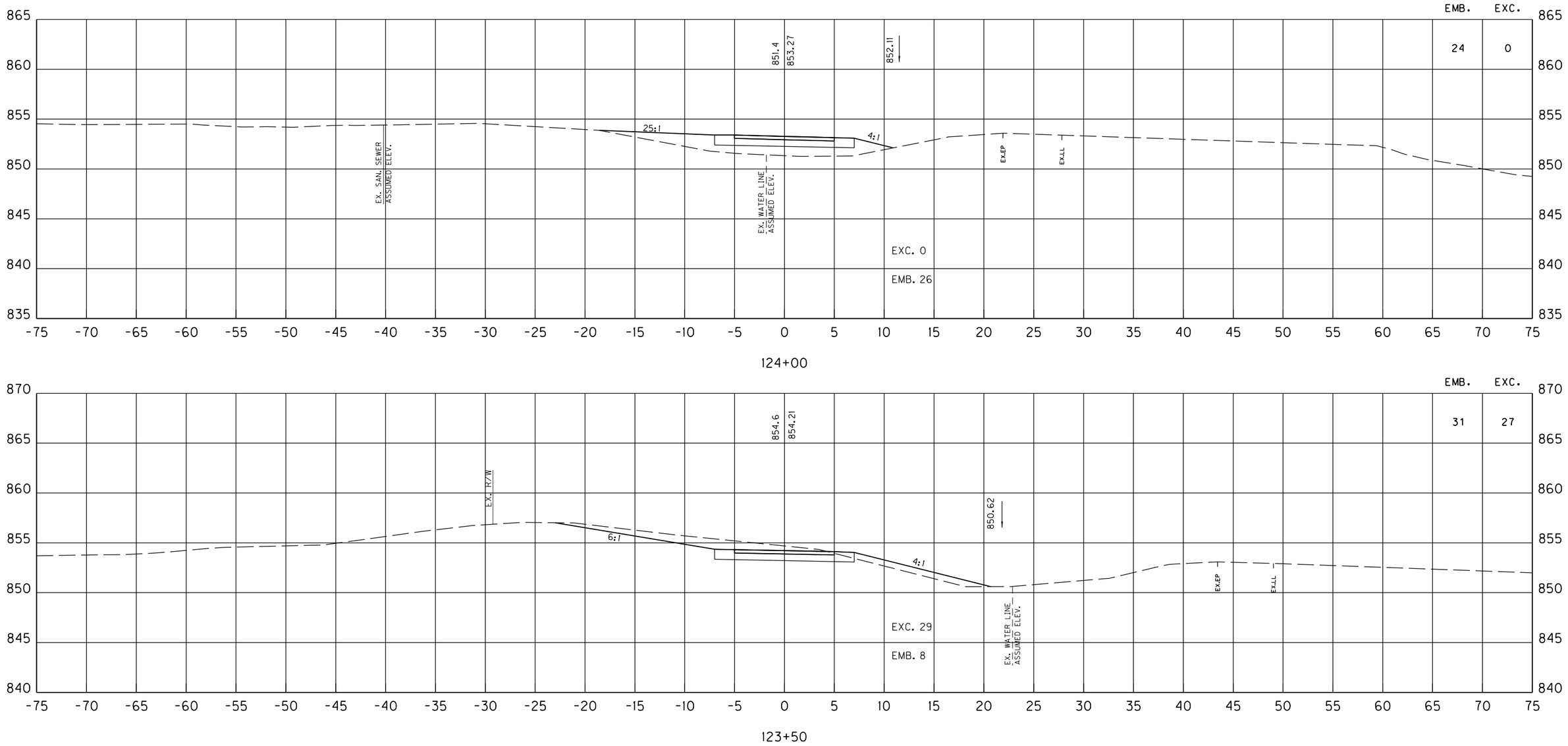
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 122+50 TO STA. 123+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X28

SHEET TOTALS STA. 119+00 TO 124+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	314	390

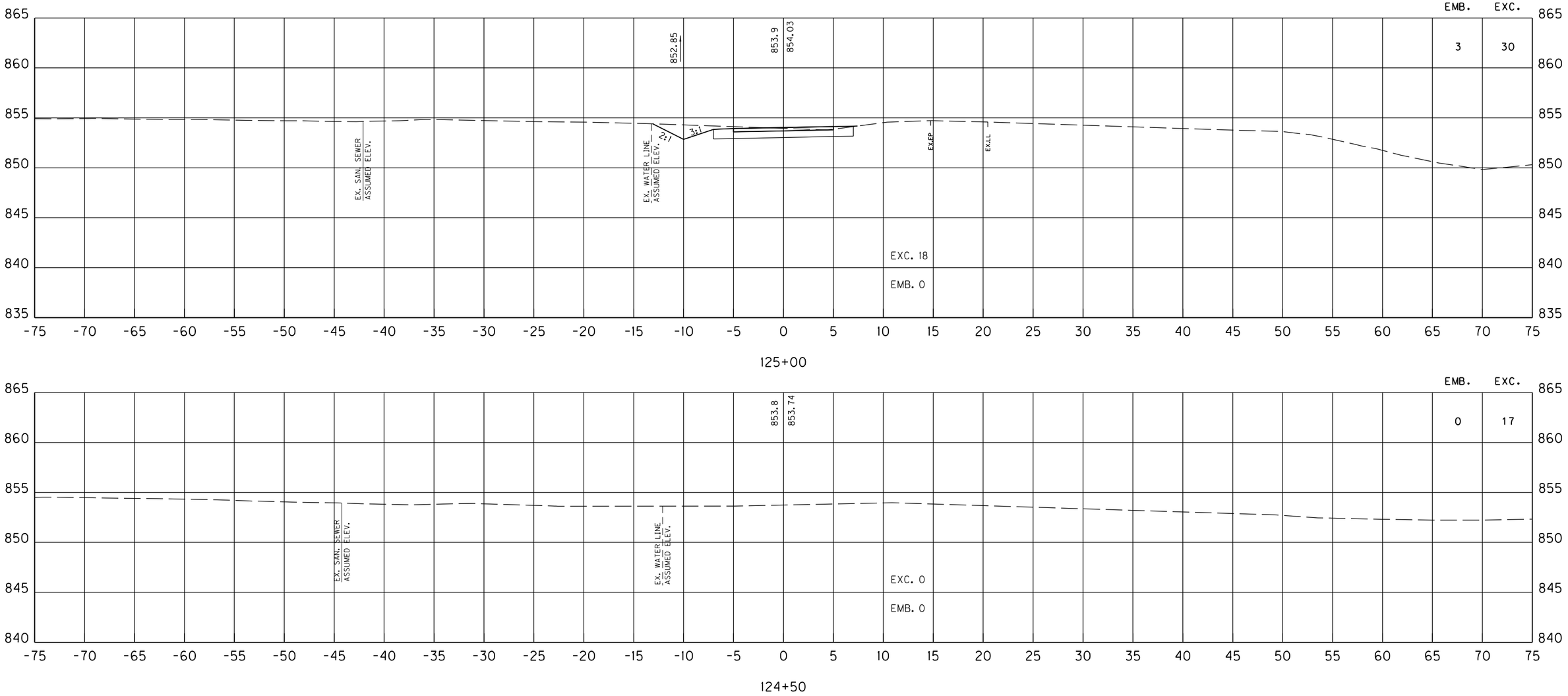


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 123+50 TO STA. 124+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X29

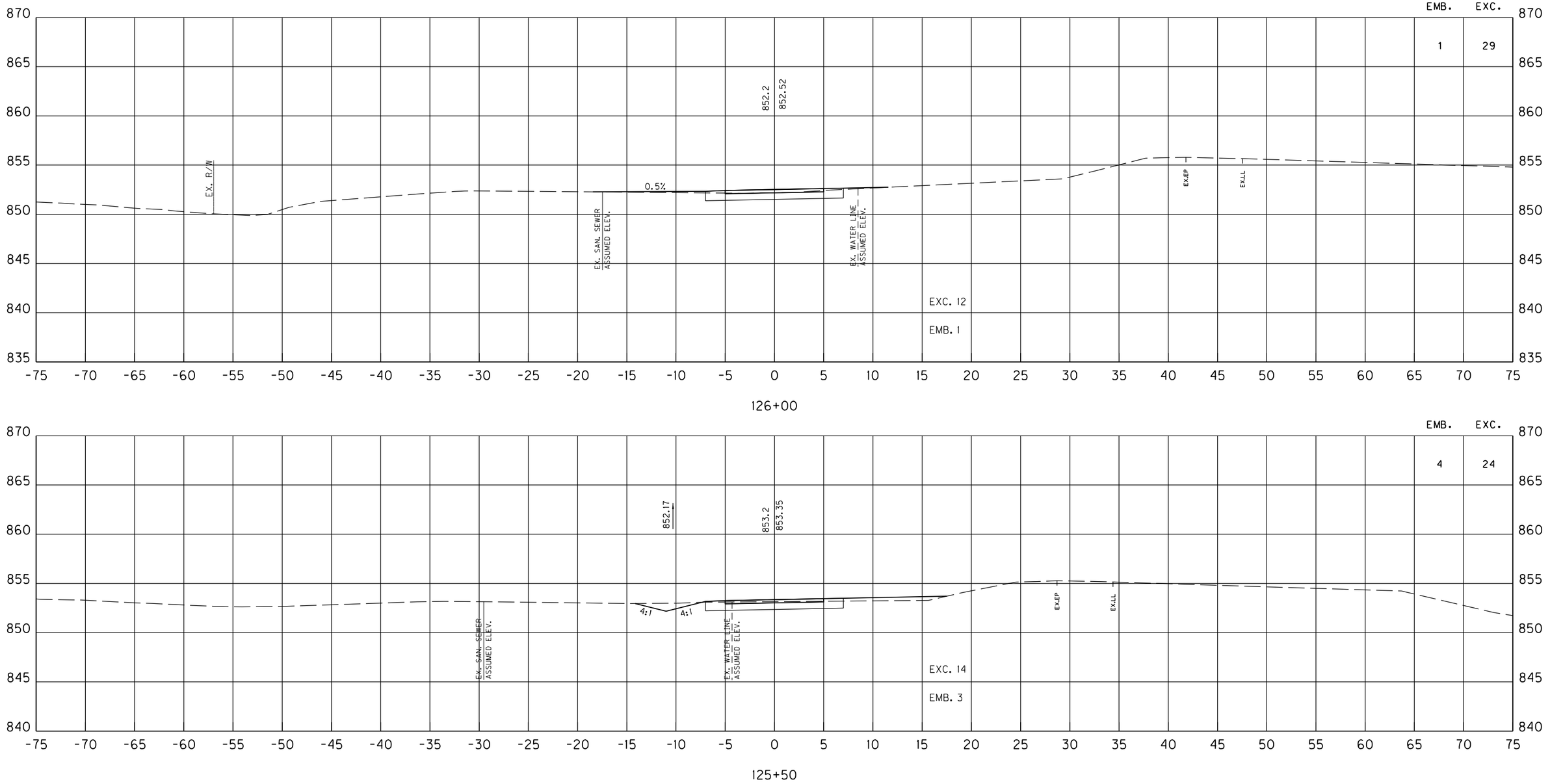


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 124+50 TO STA. 125+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X30

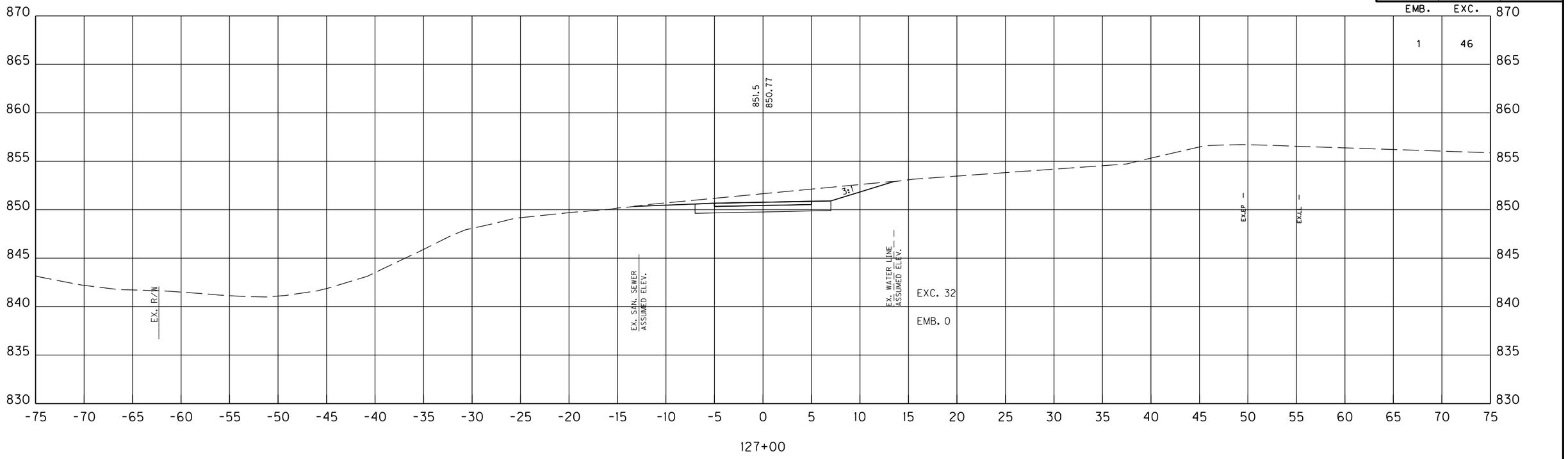


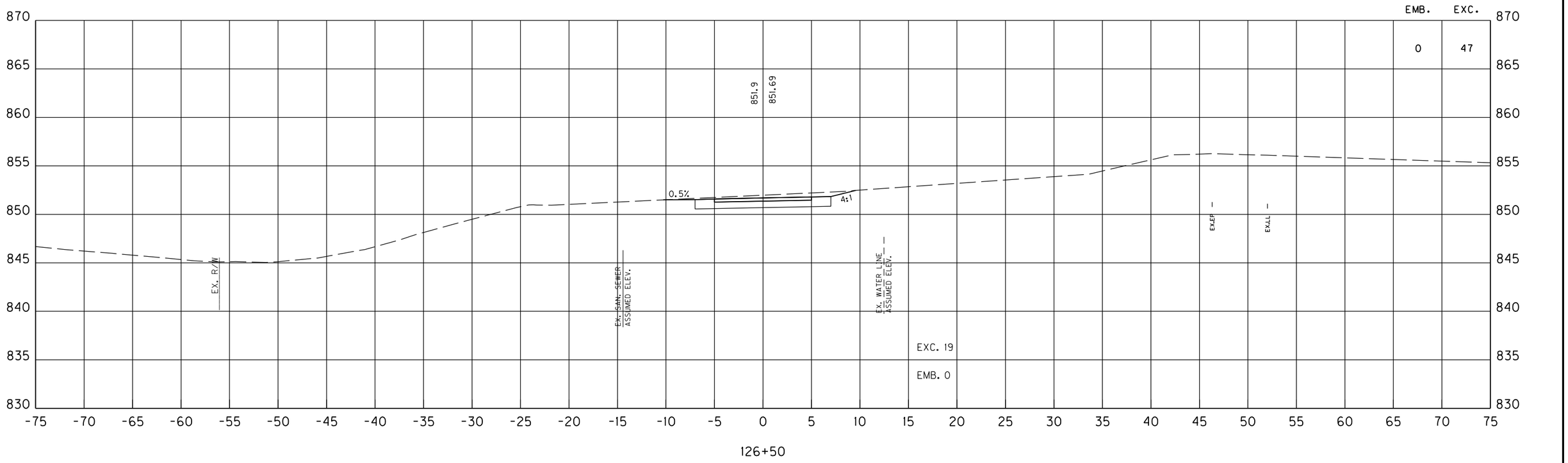
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 125+50 TO STA. 126+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X31



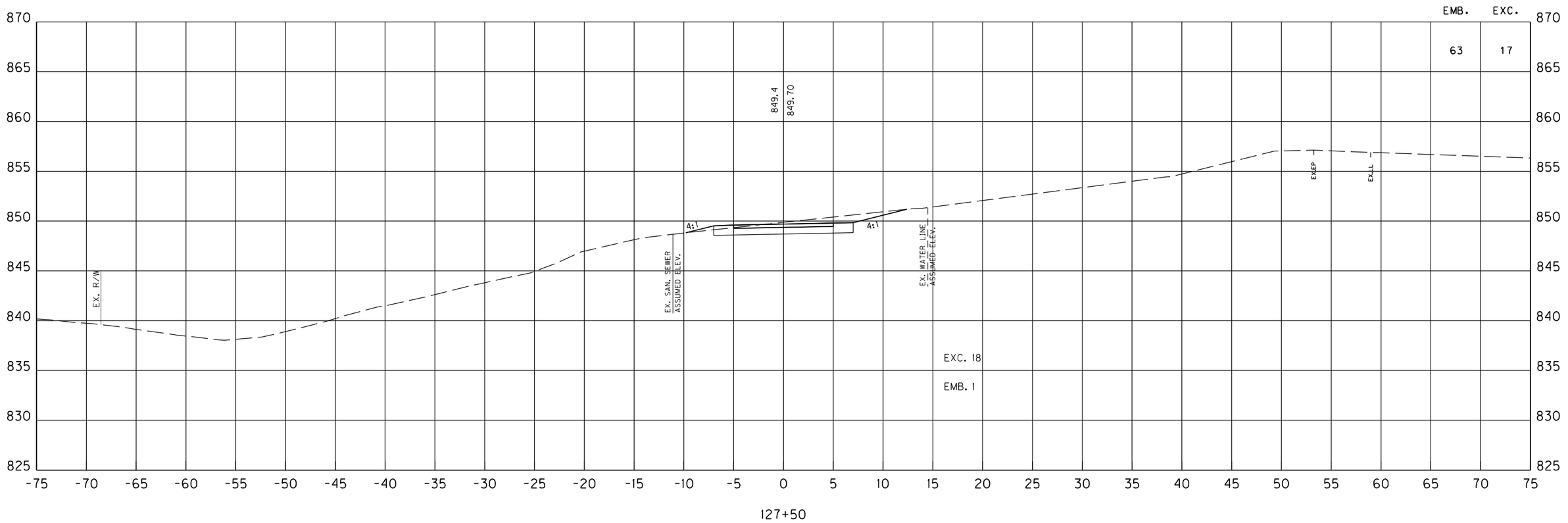


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 126+50 TO STA. 127+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X32

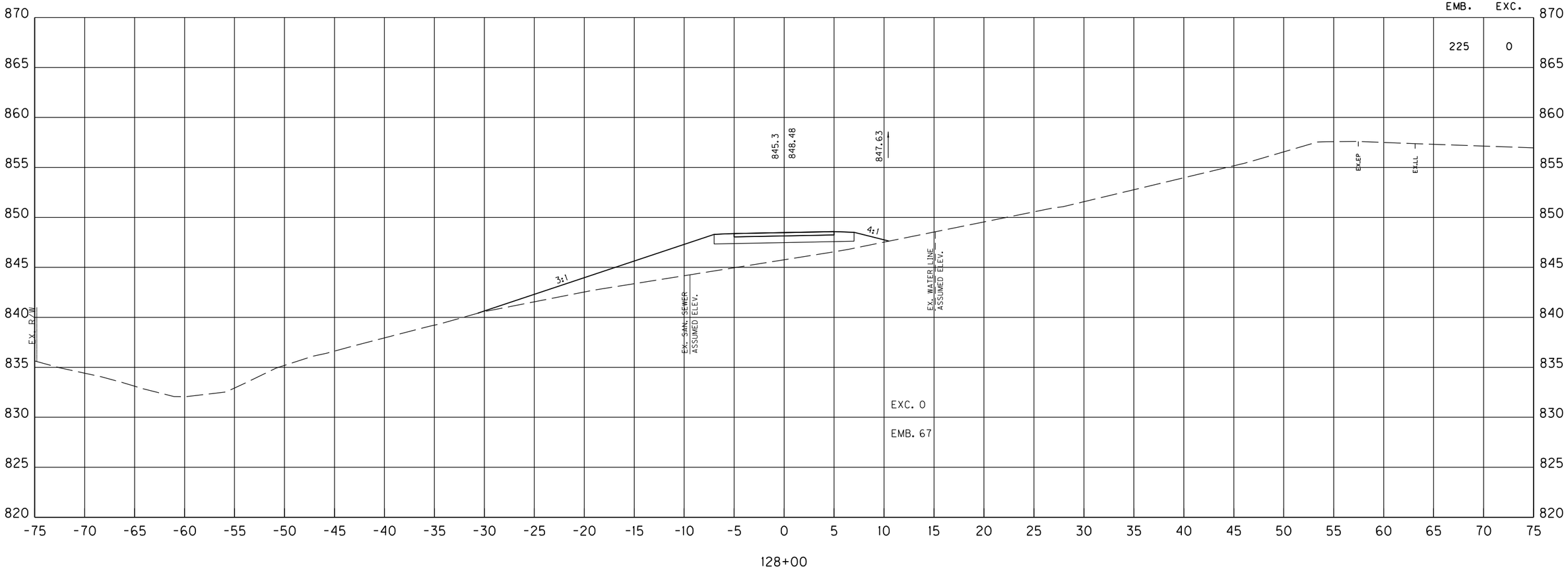


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 127+50 TO STA. 127+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X33

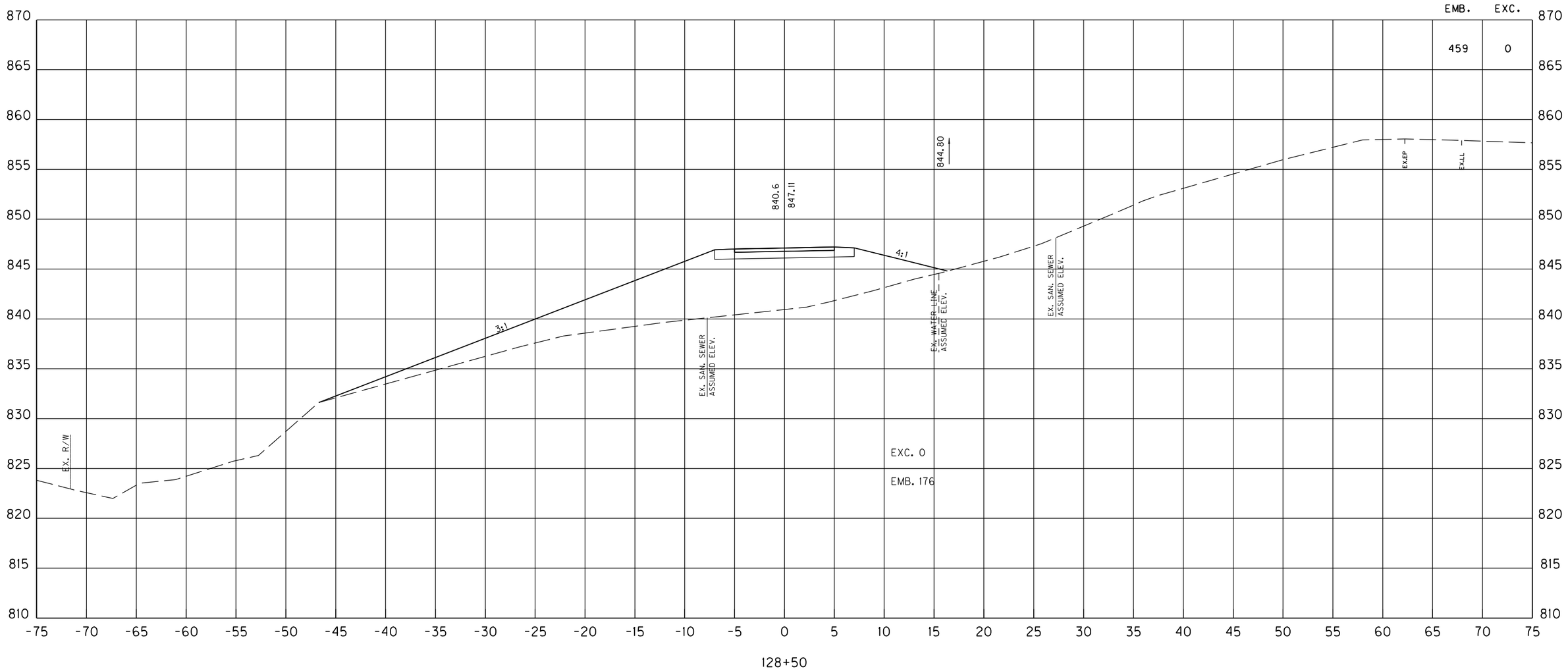


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 128+00 TO STA. 128+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X34



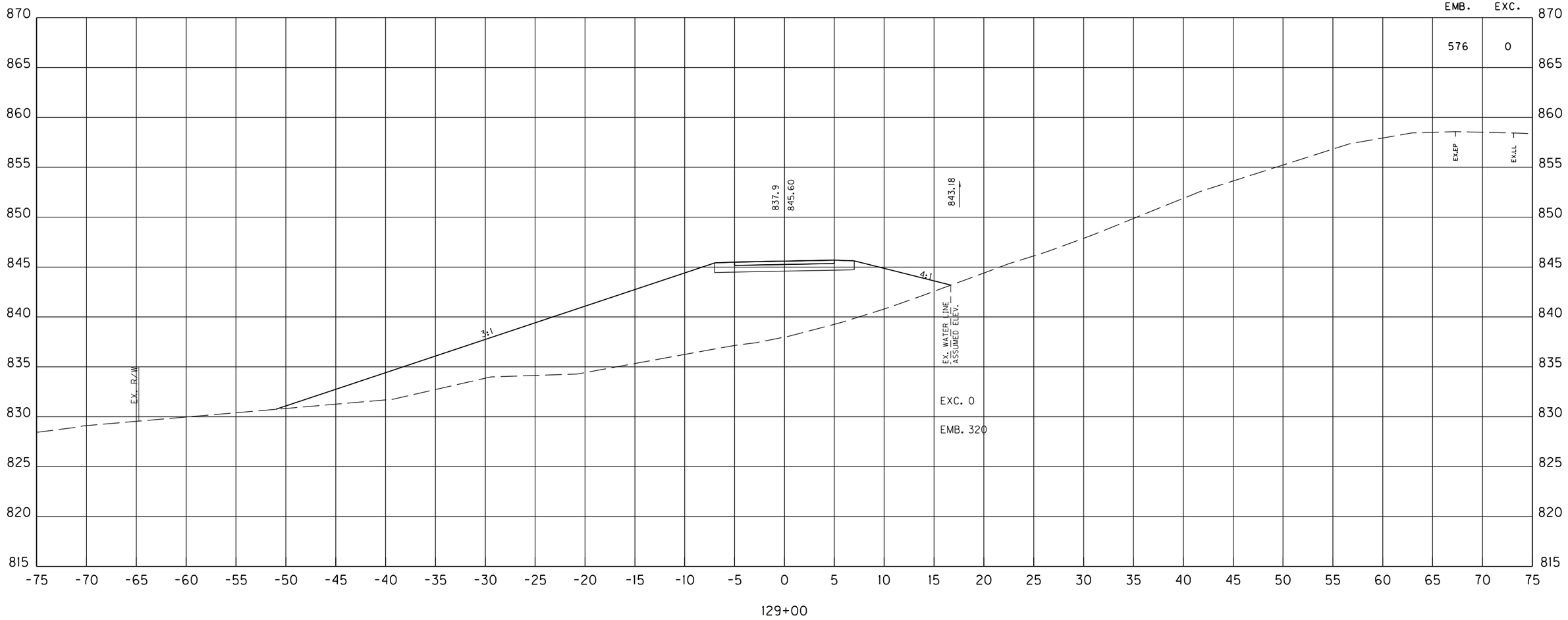
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 128+50 TO STA. 128+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X35

SHEET TOTALS STA. 124+00 TO 129+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	778	209

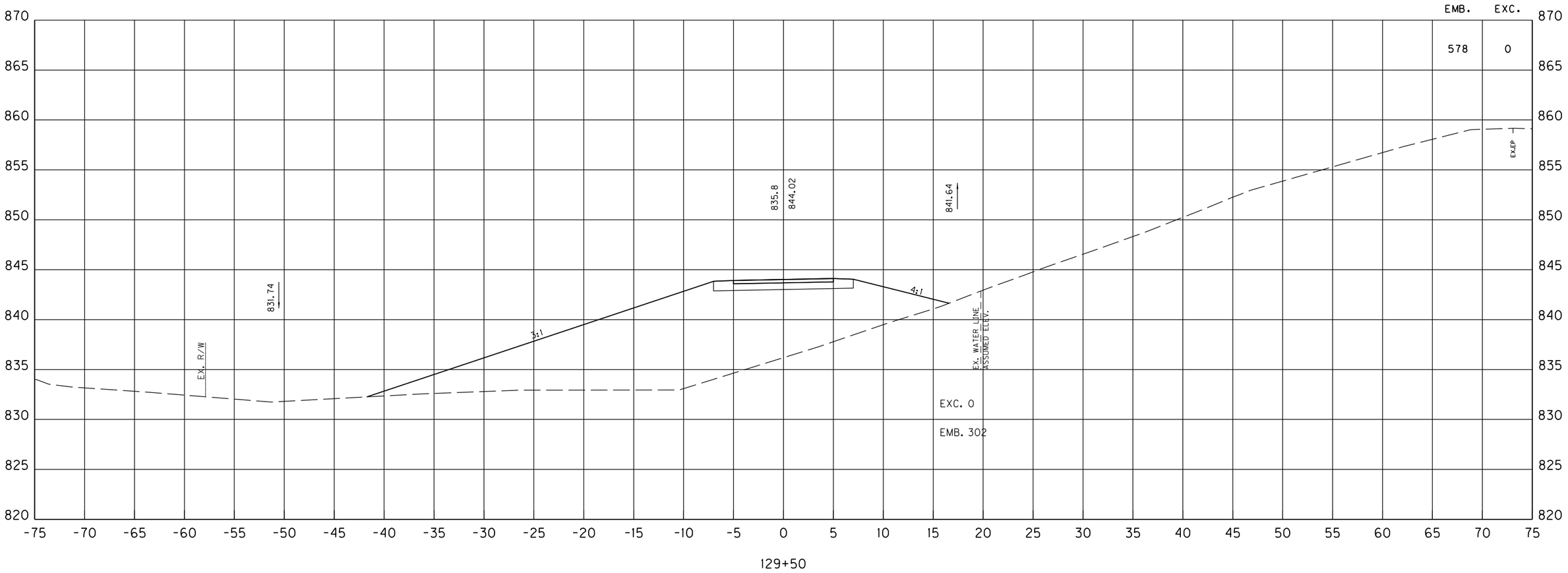


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 129+00 TO STA. 129+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X36

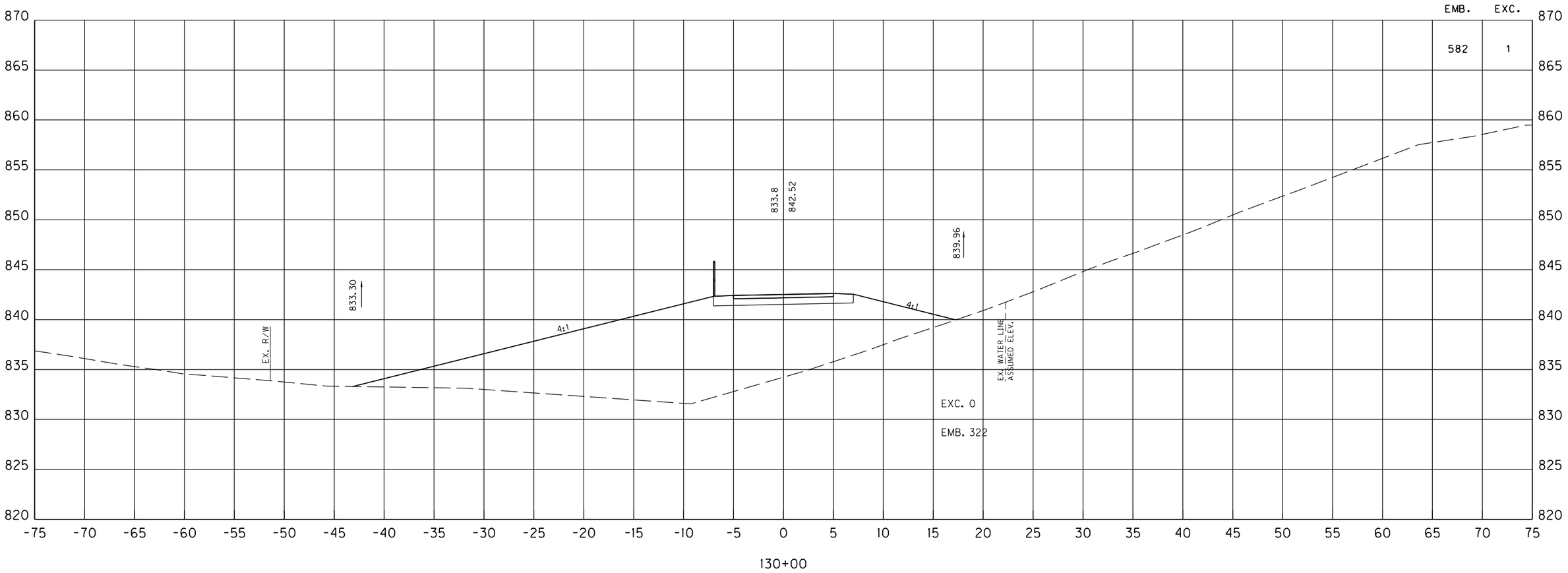


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 129+50 TO STA. 129+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X37

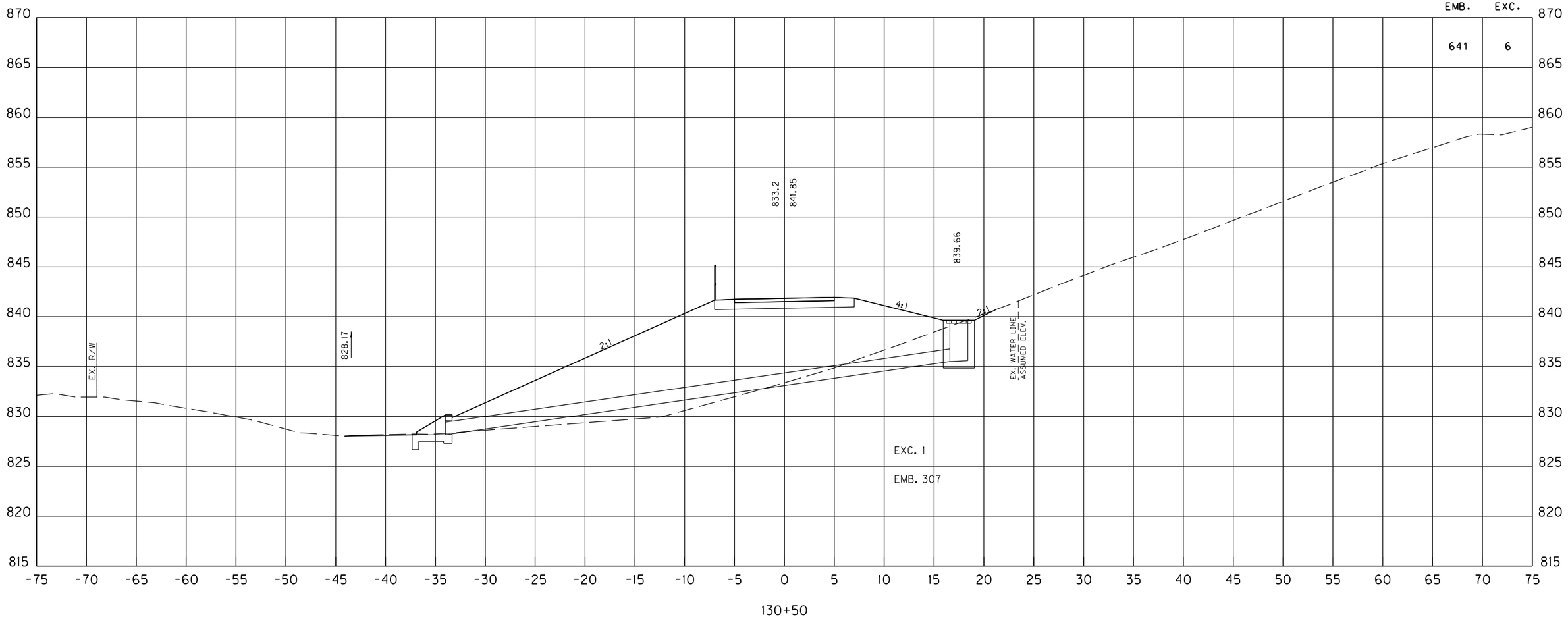


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 130+00 TO STA. 130+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X38

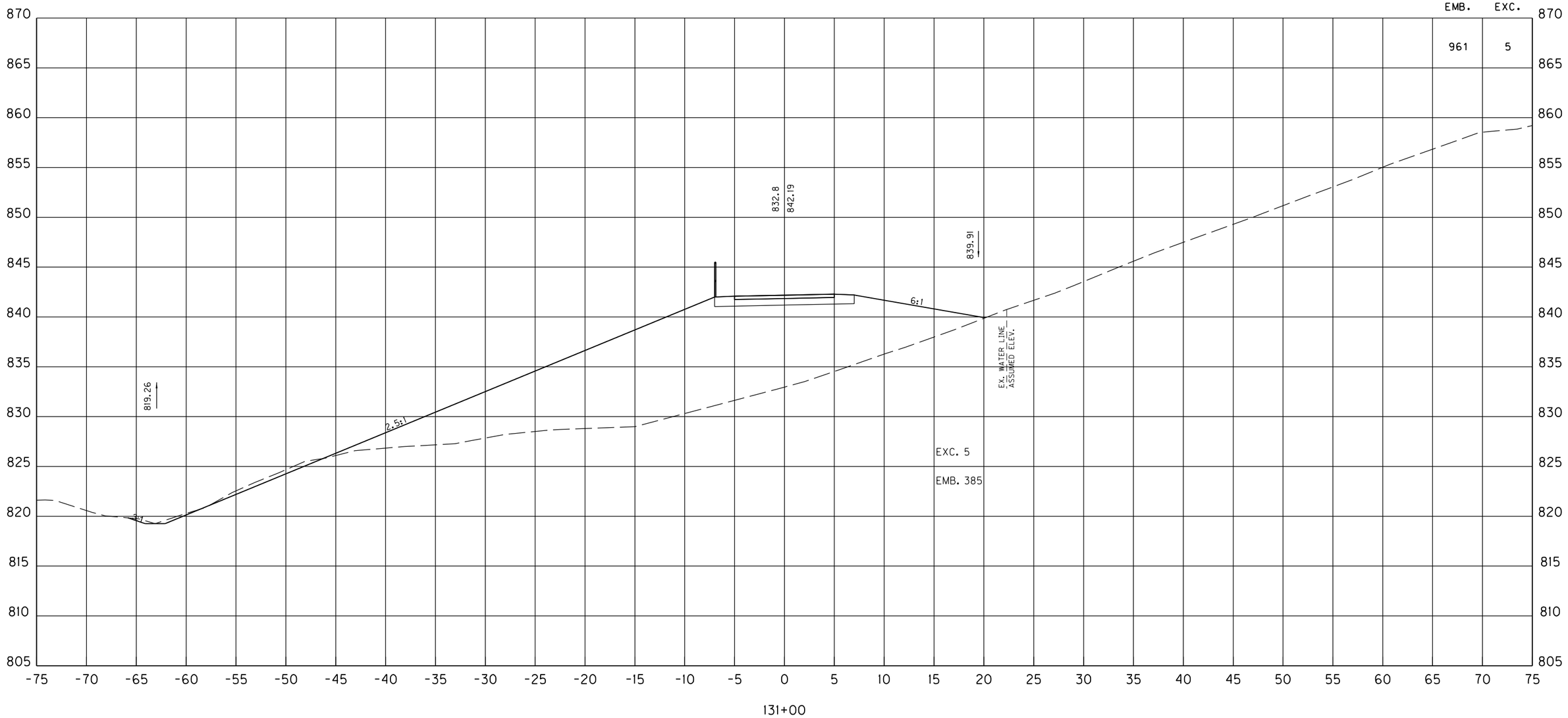


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 130+50 TO STA. 130+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X39

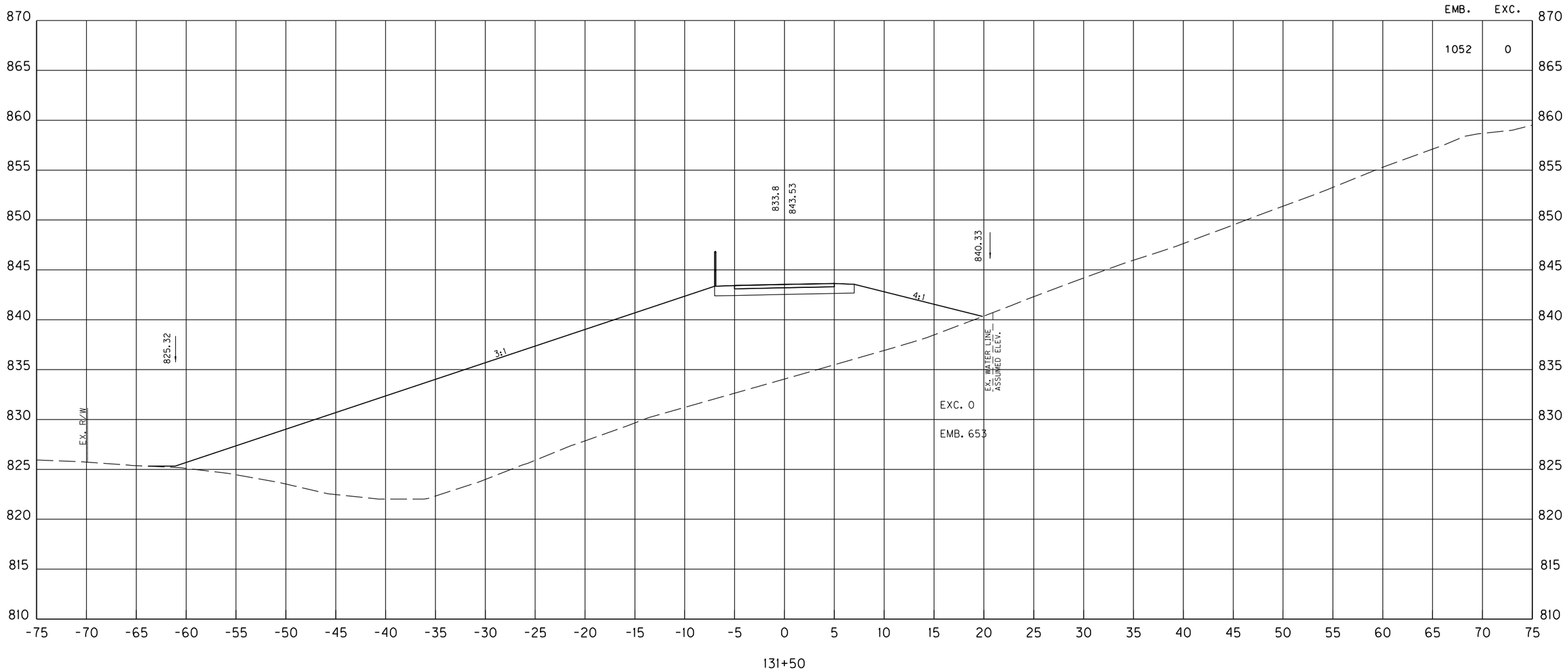


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 131+00 TO STA. 131+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: janet
DATE PLOTTED: October 29, 2020
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X40

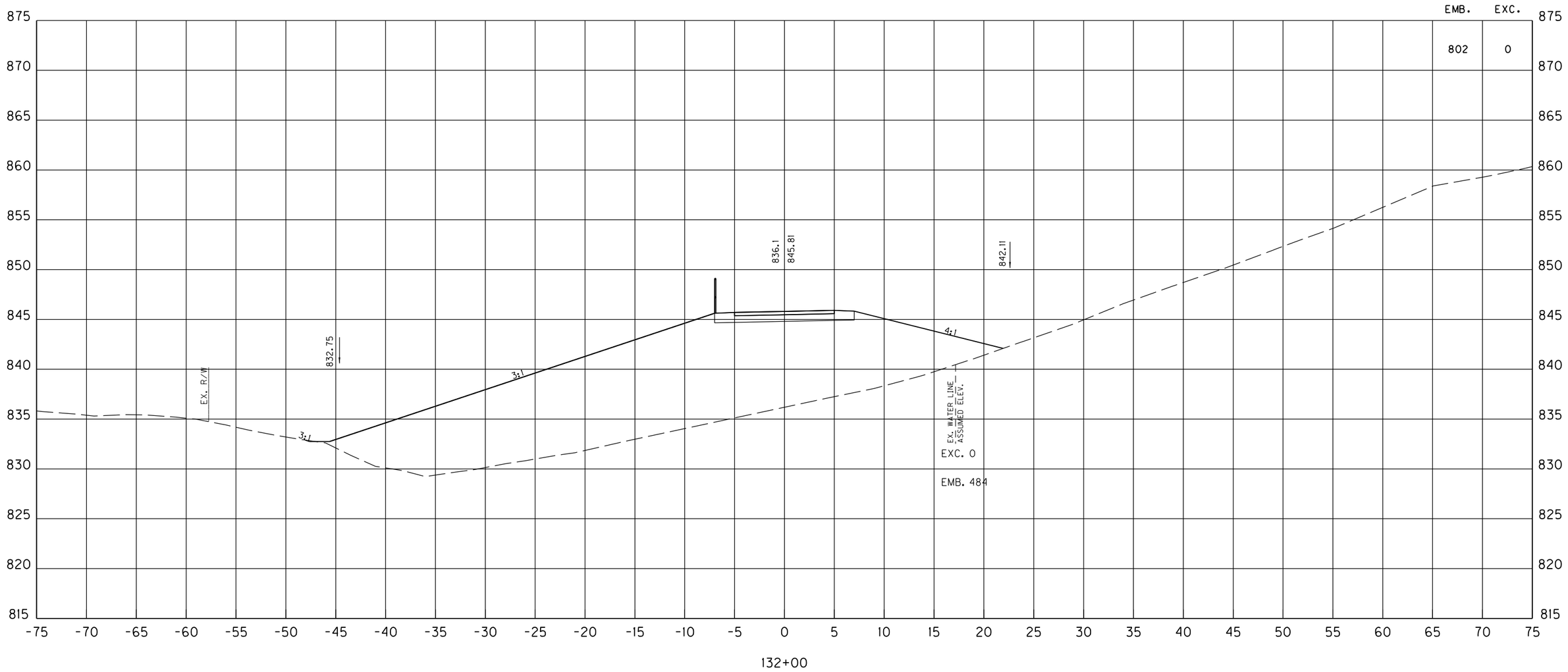


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 131+50 TO STA. 131+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X41

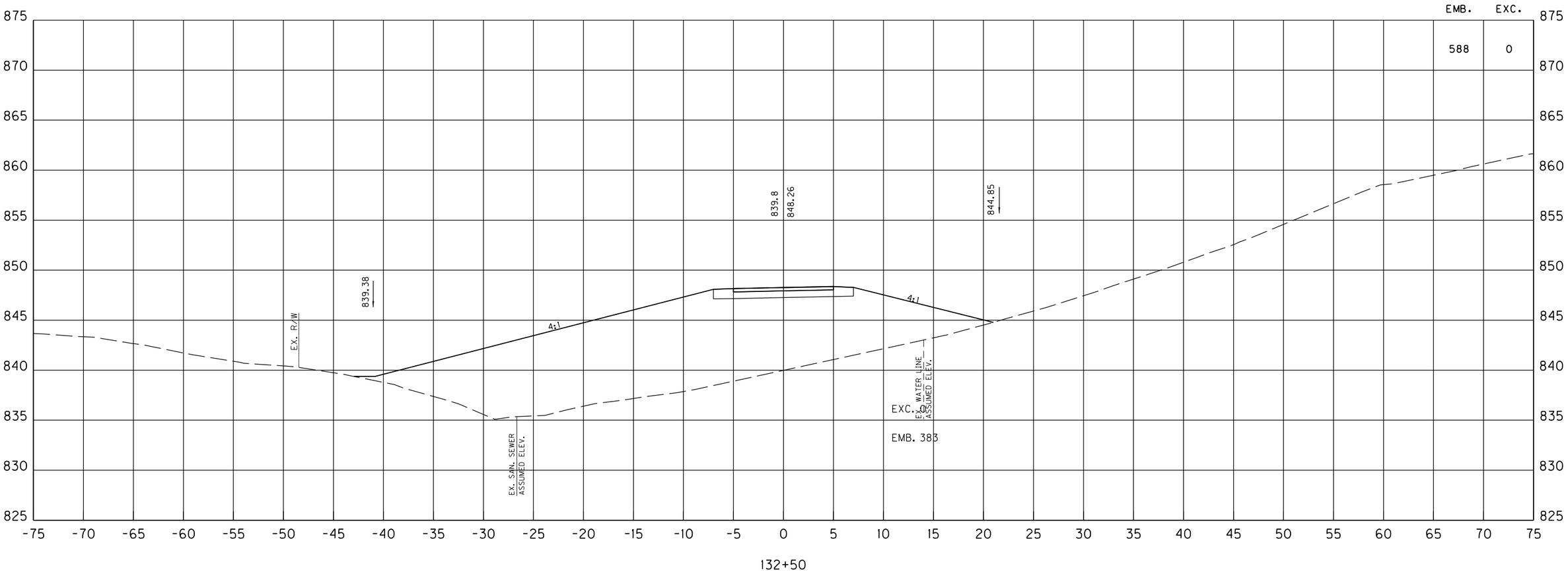


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 132+00 TO STA. 132+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X42

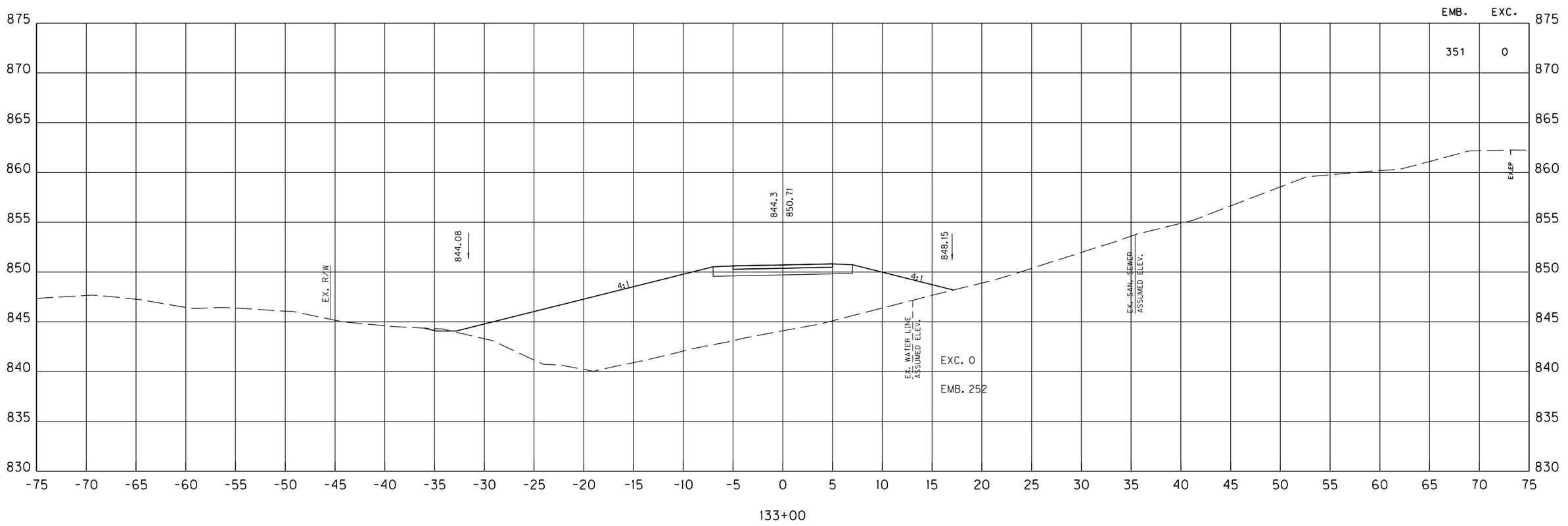


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 132+50 TO STA. 132+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X43



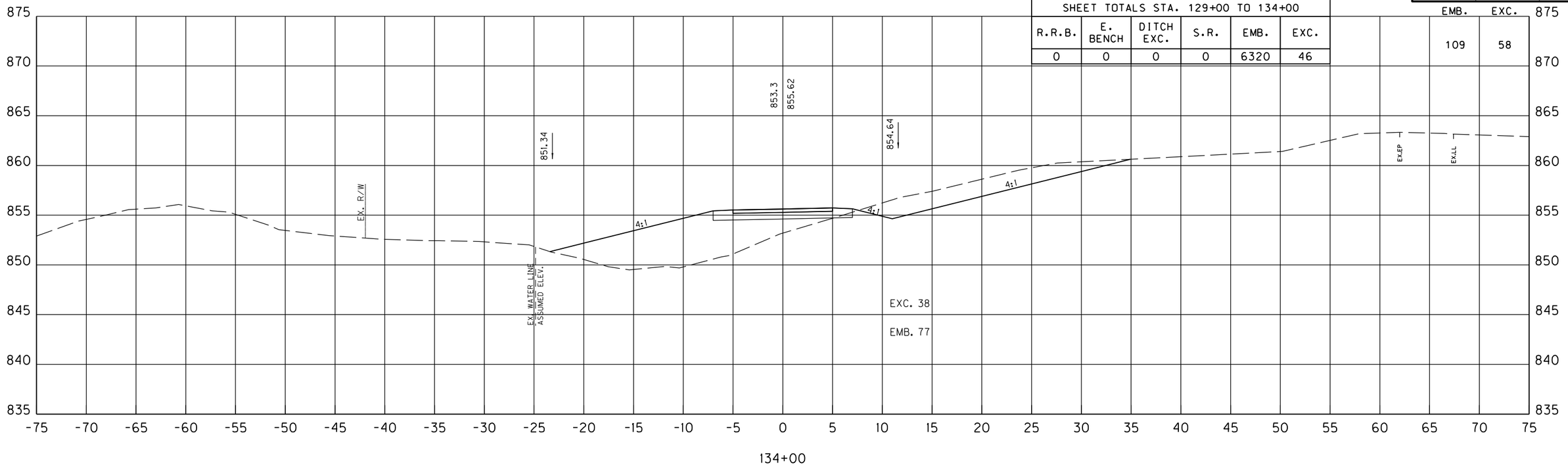
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 133+00 TO STA. 133+00
MAINLINE CROSS SECTIONS

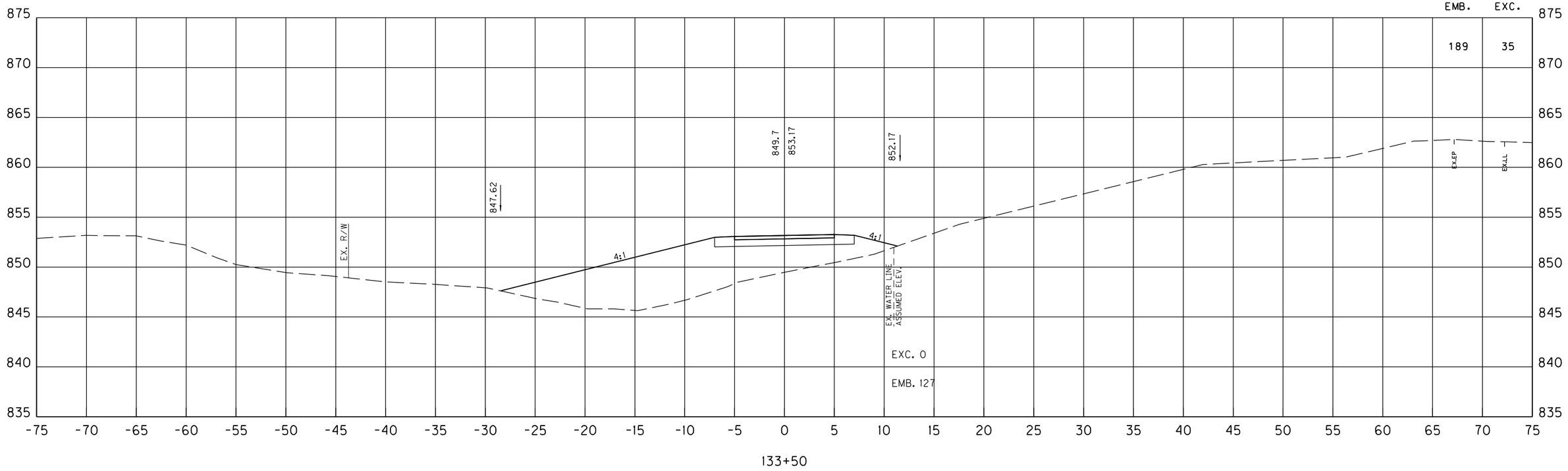
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X44

SHEET TOTALS STA. 129+00 TO 134+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	6320	46



134+00



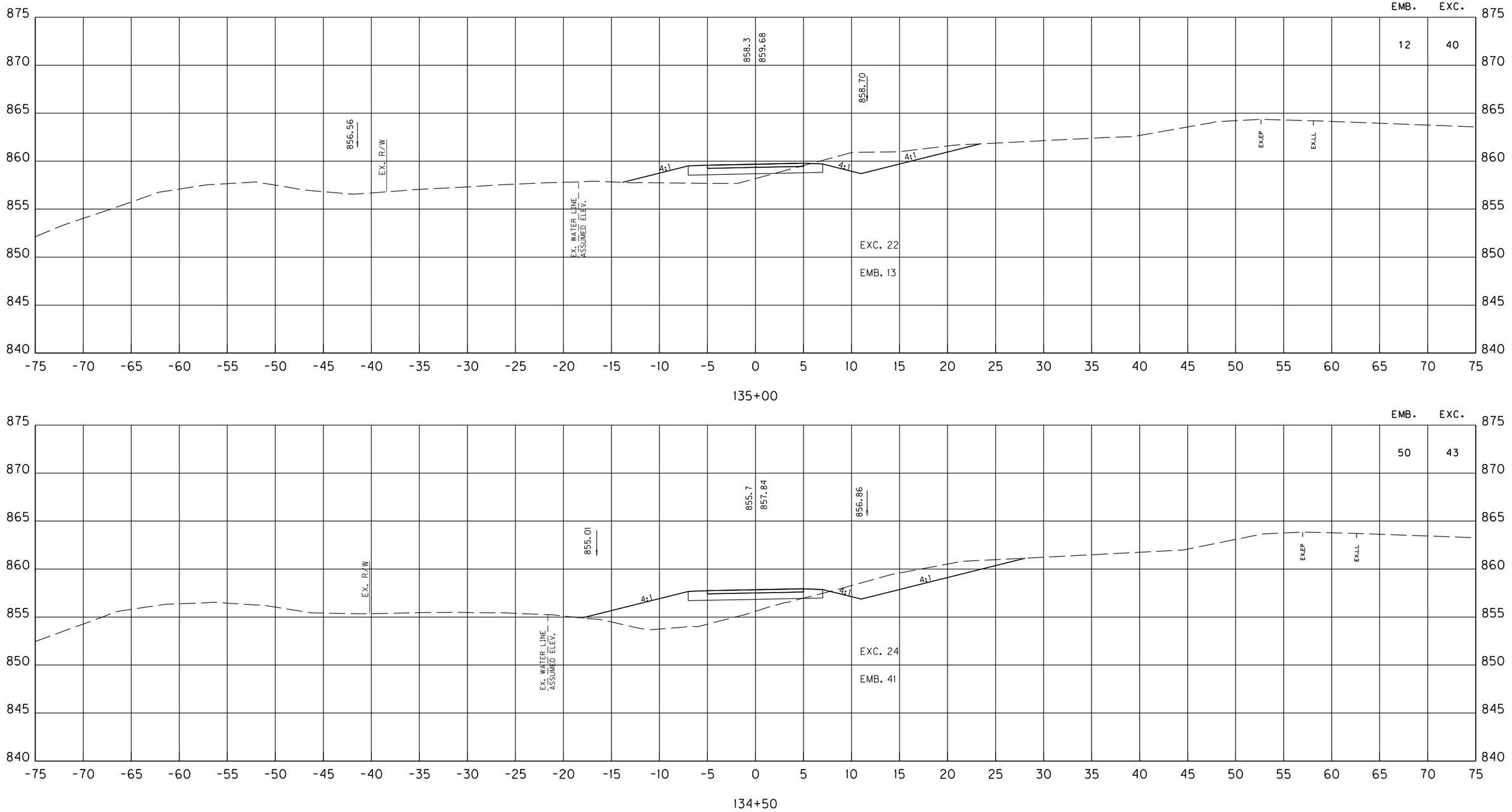
133+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 133+50 TO STA. 134+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X45

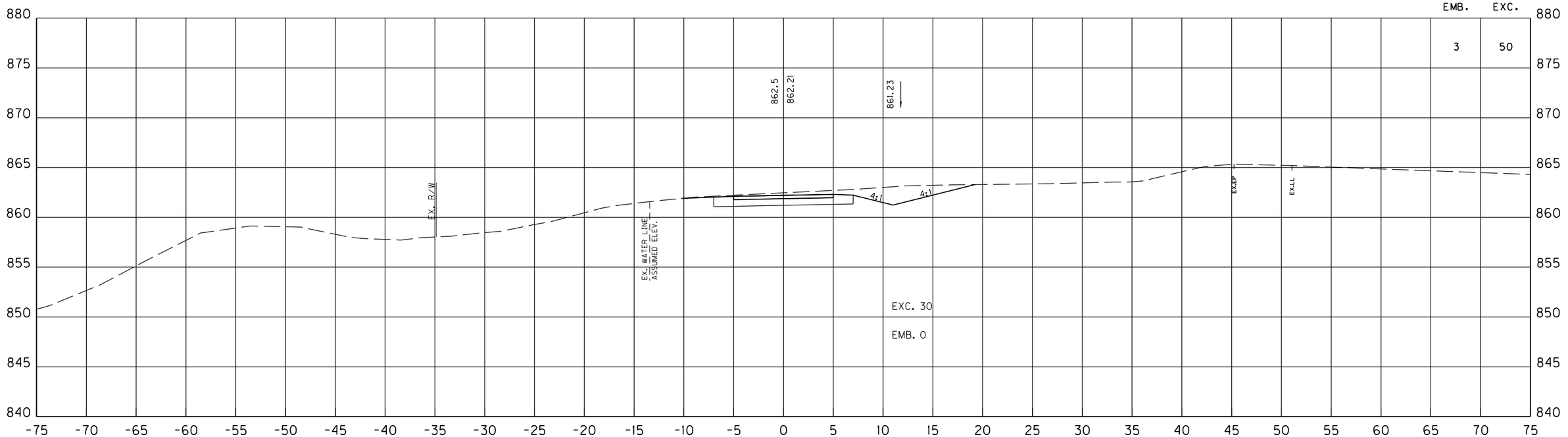


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

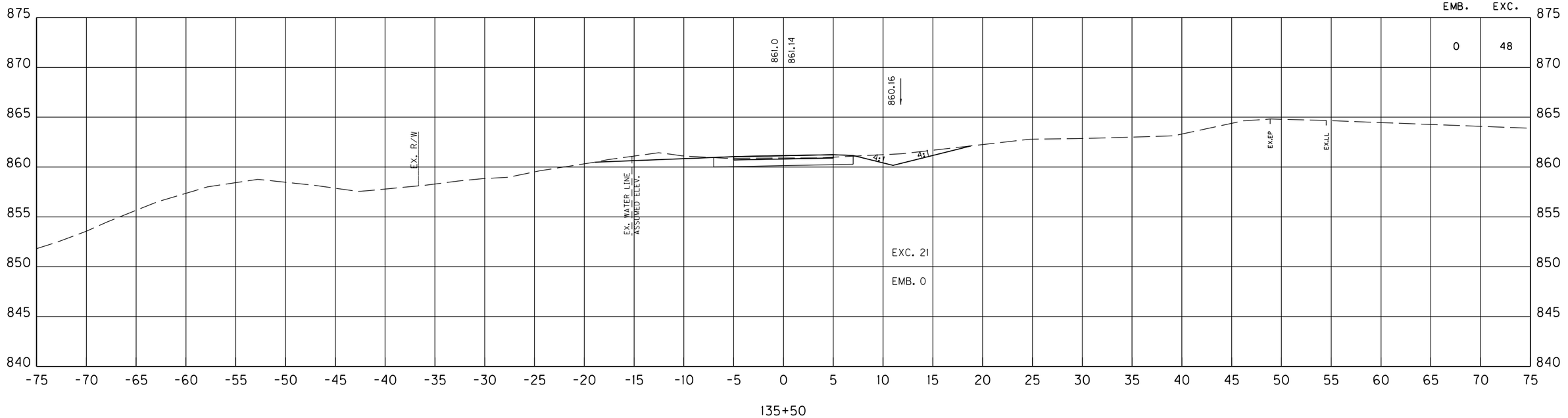
KY 237 MUP
STA. 134+50 TO STA. 135+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X46



136+00



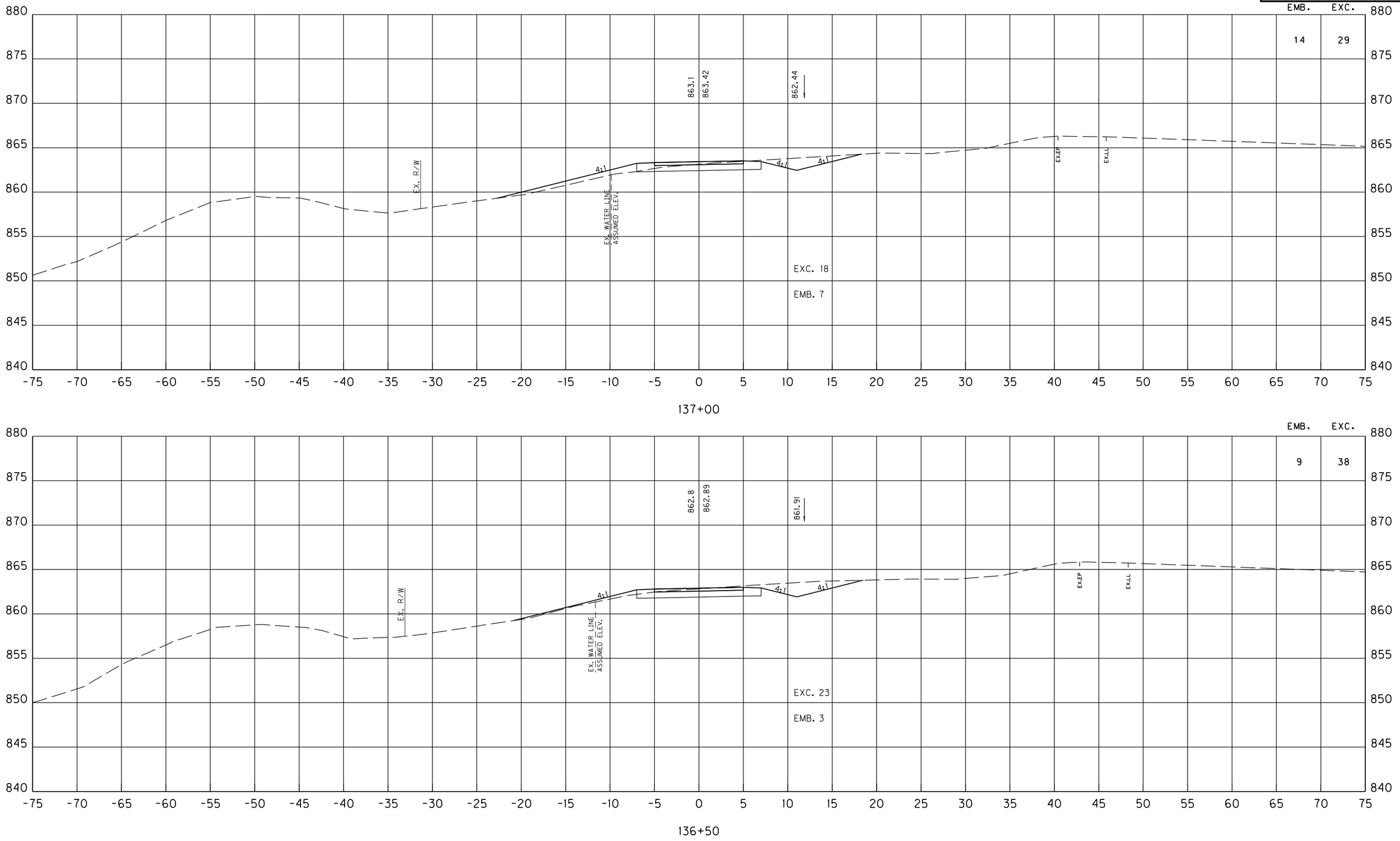
135+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 135+50 TO STA. 136+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X47

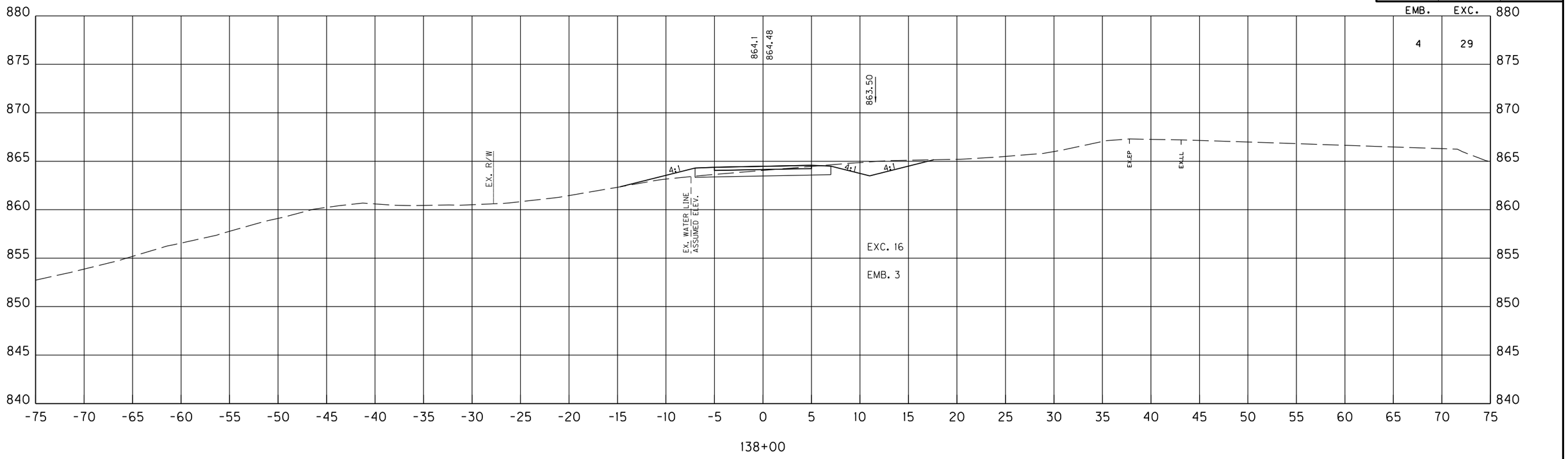


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

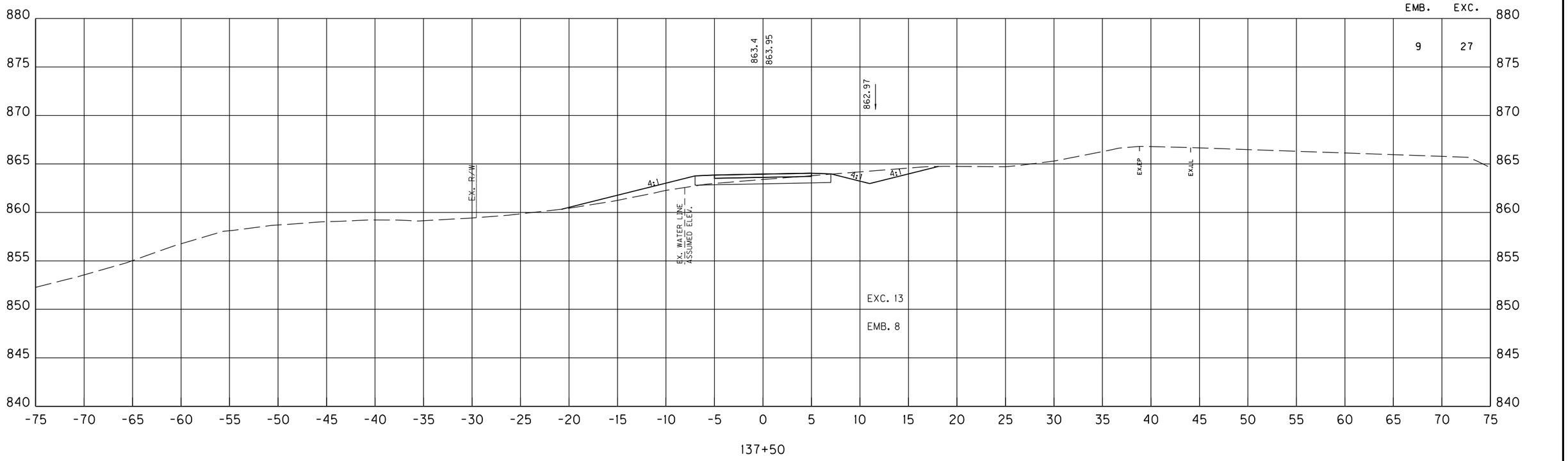
KY 237 MUP
STA. 136+50 TO STA. 137+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X48



138+00



137+50

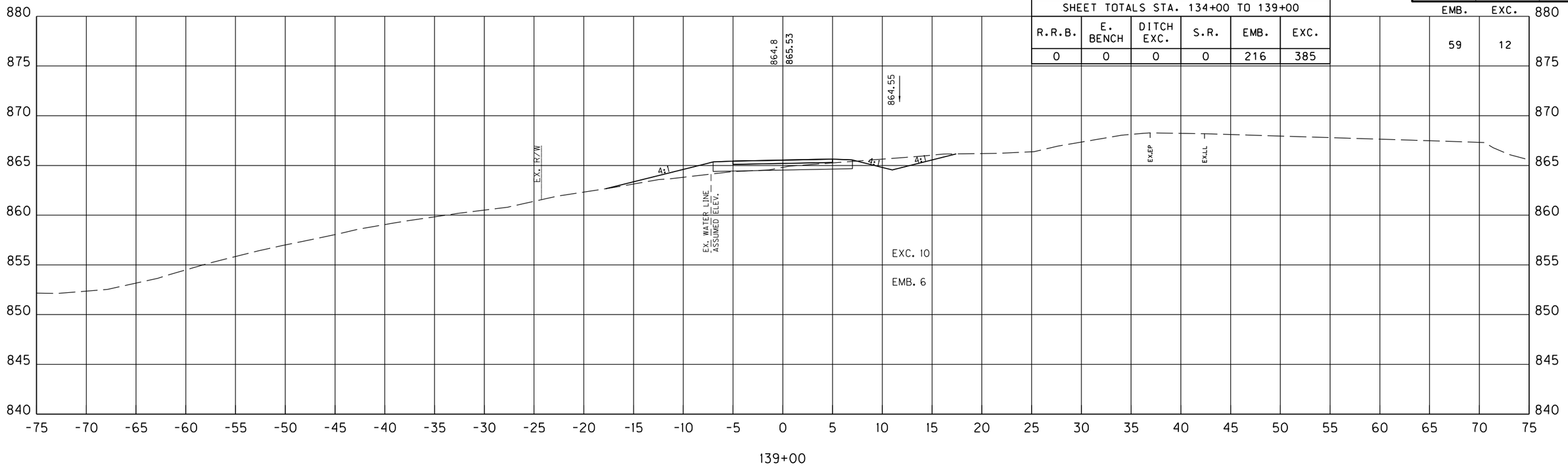
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

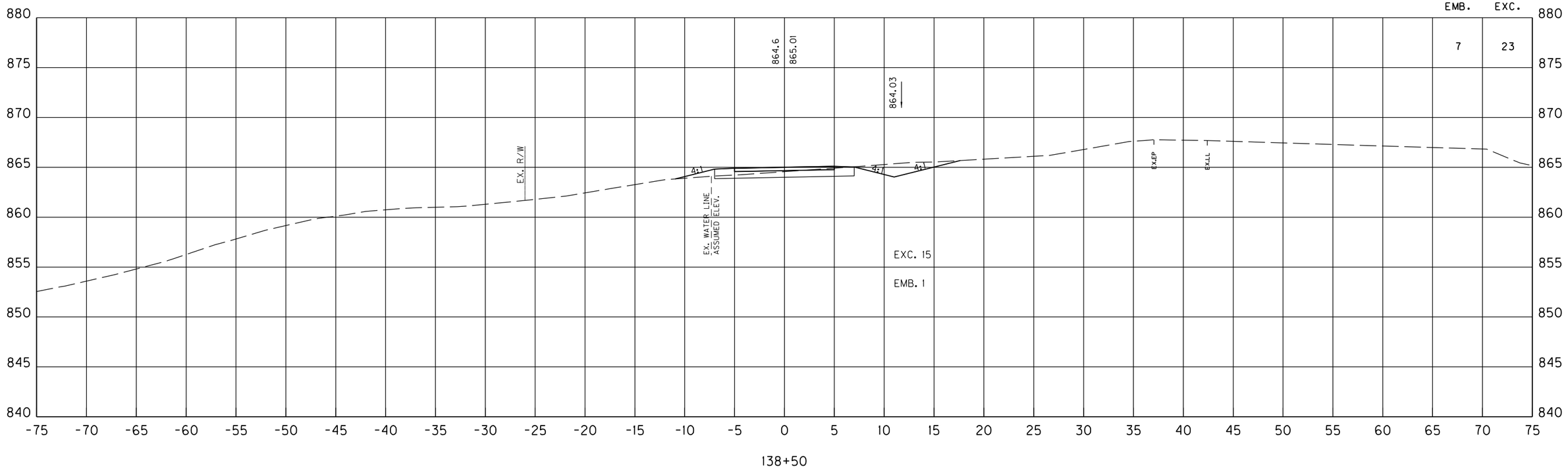
KY 237 MUP
STA. 137+50 TO STA. 138+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X49

SHEET TOTALS STA. 134+00 TO 139+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	216	385



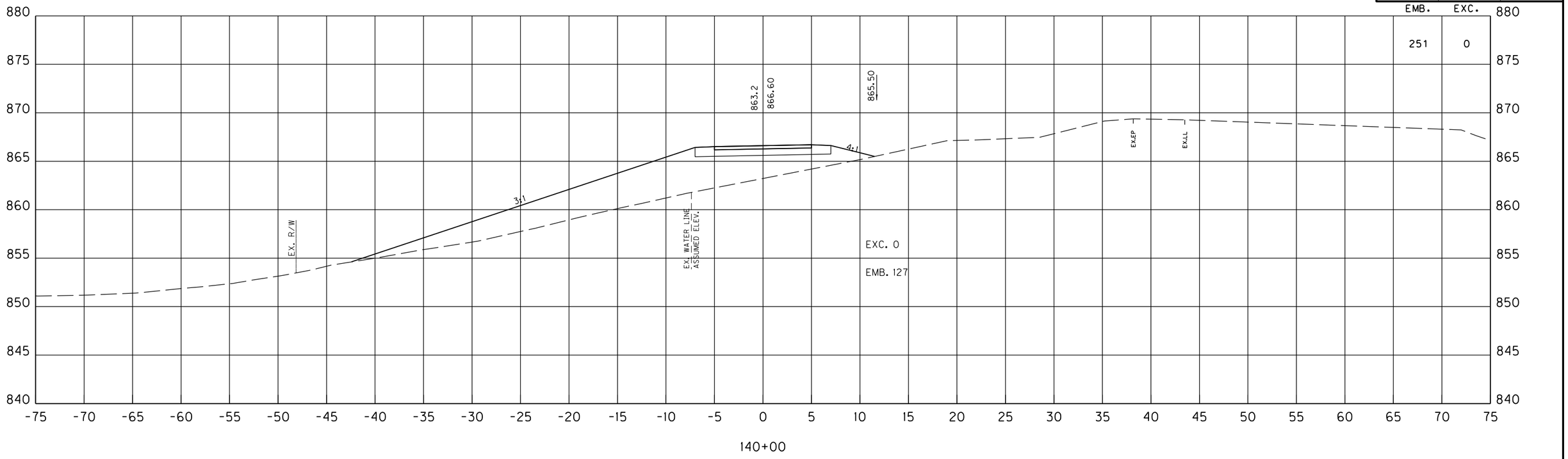


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

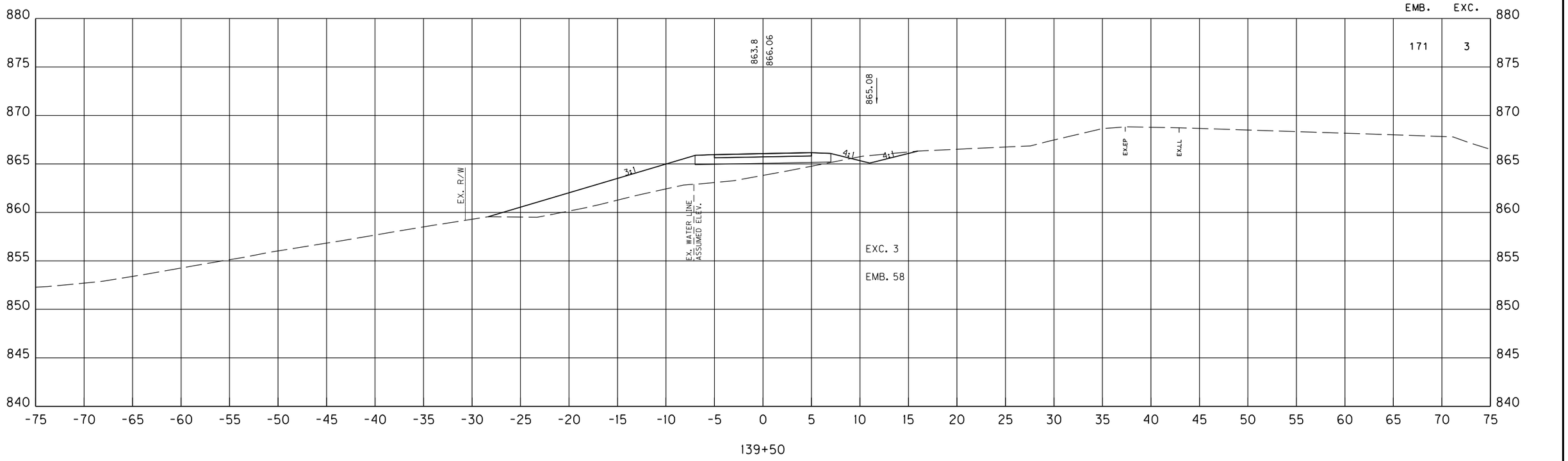
KY 237 MUP
STA. 138+50 TO STA. 139+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X50



140+00



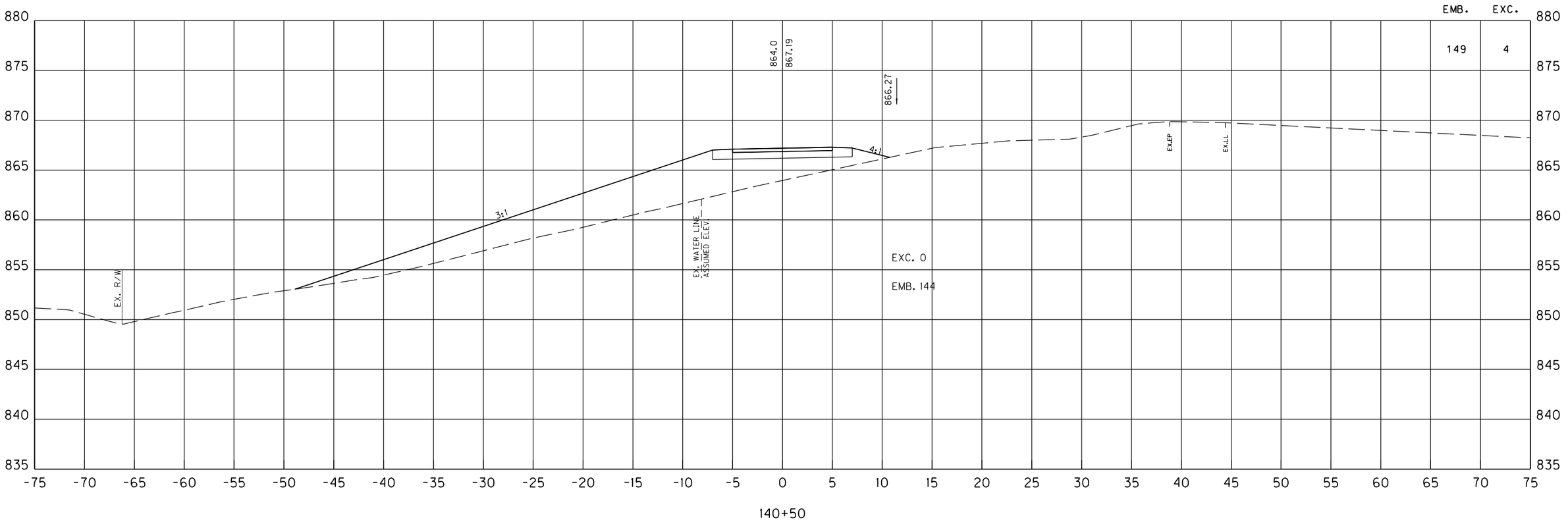
139+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 139+50 TO STA. 140+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X51

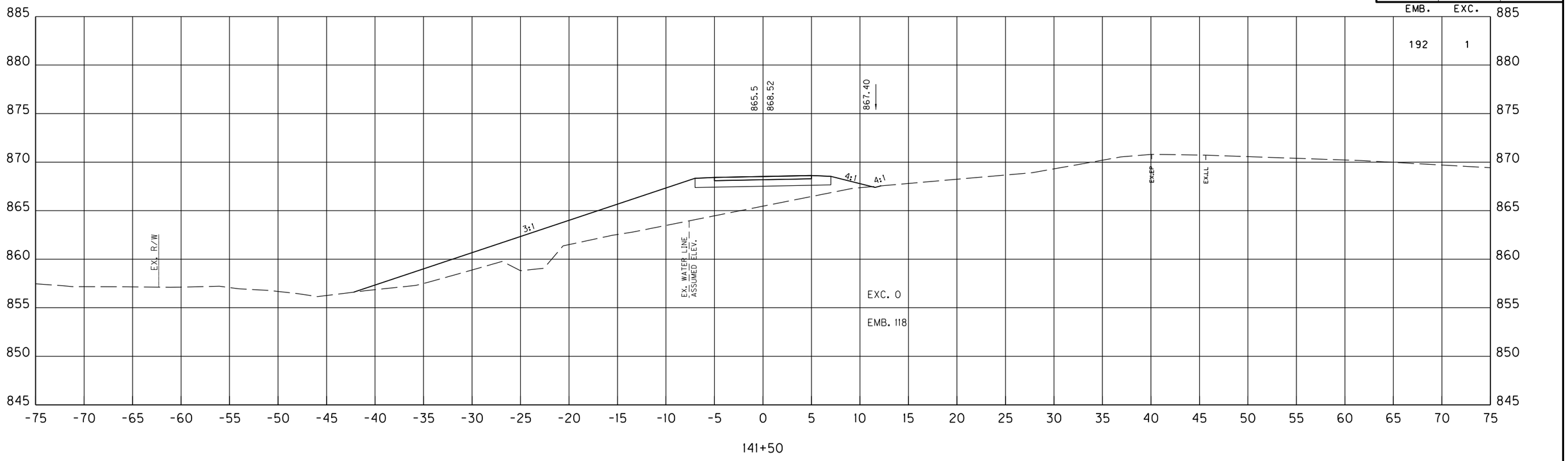


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

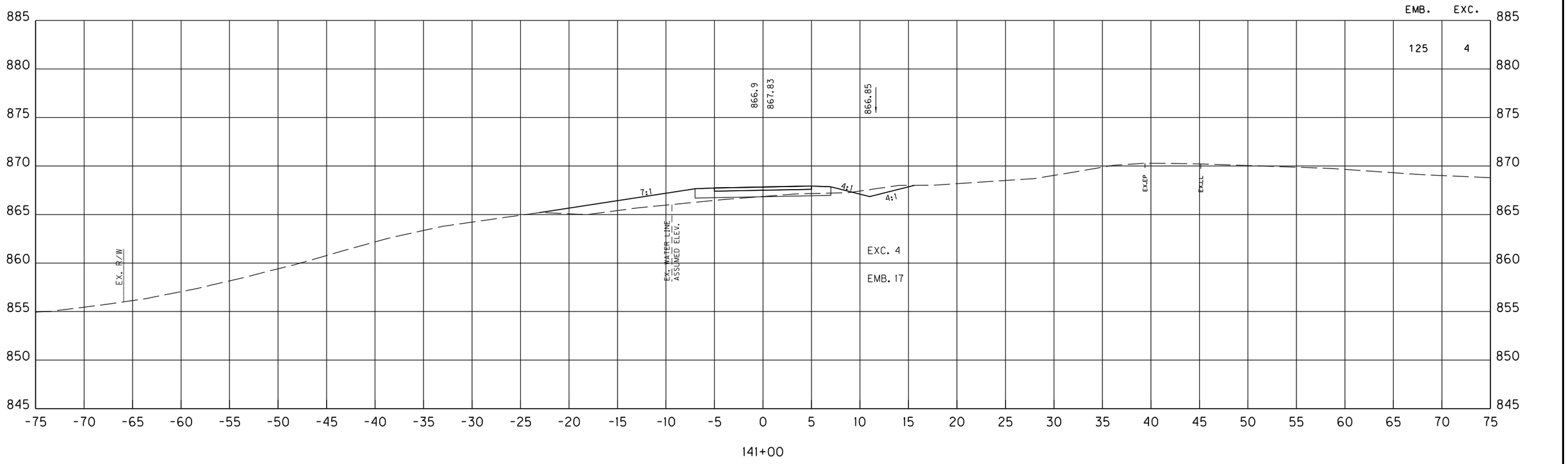
KY 237 MUP
STA. 140+50 TO STA. 140+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X52



141+50



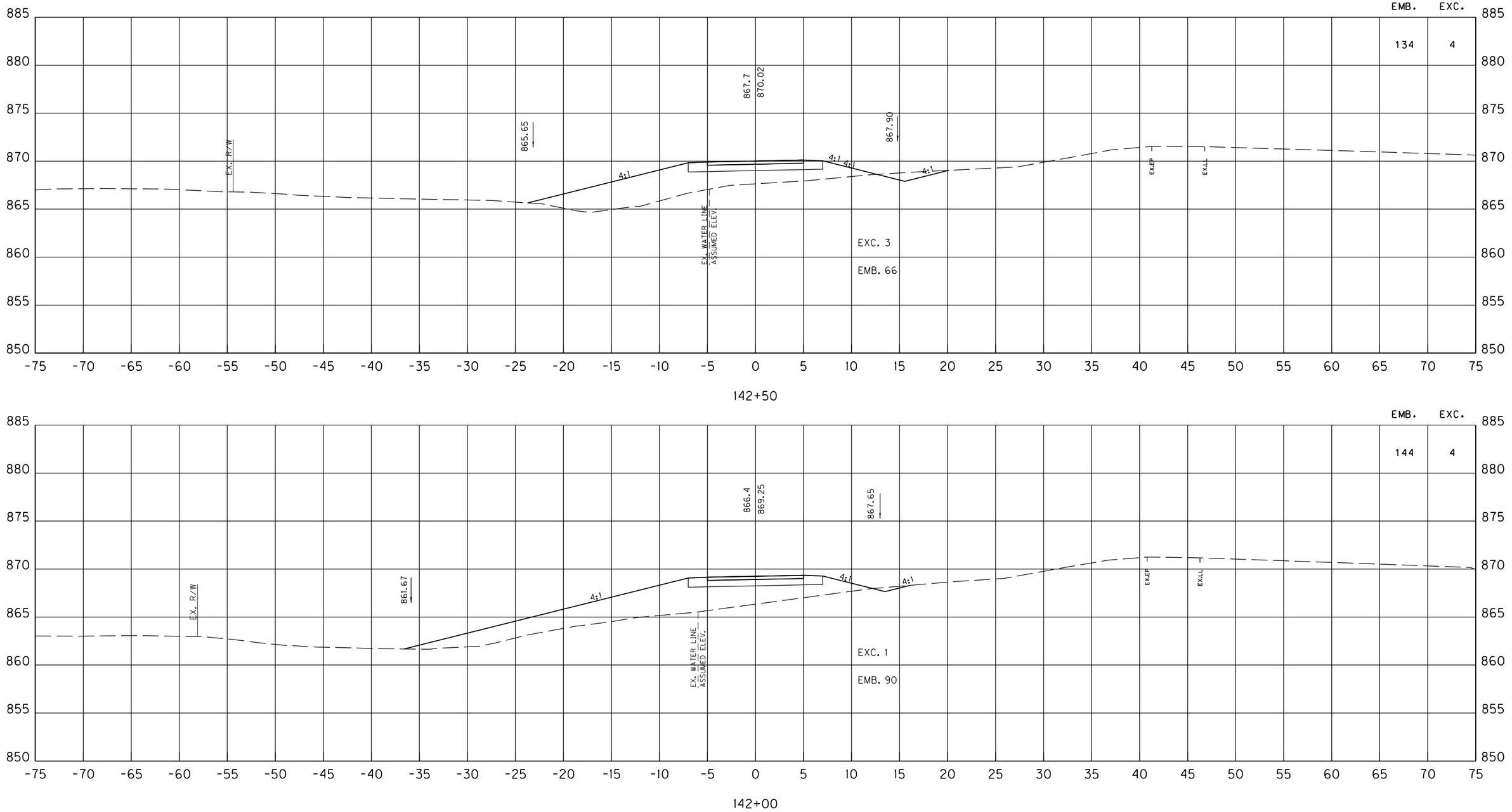
141+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 141+00 TO STA. 141+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X53

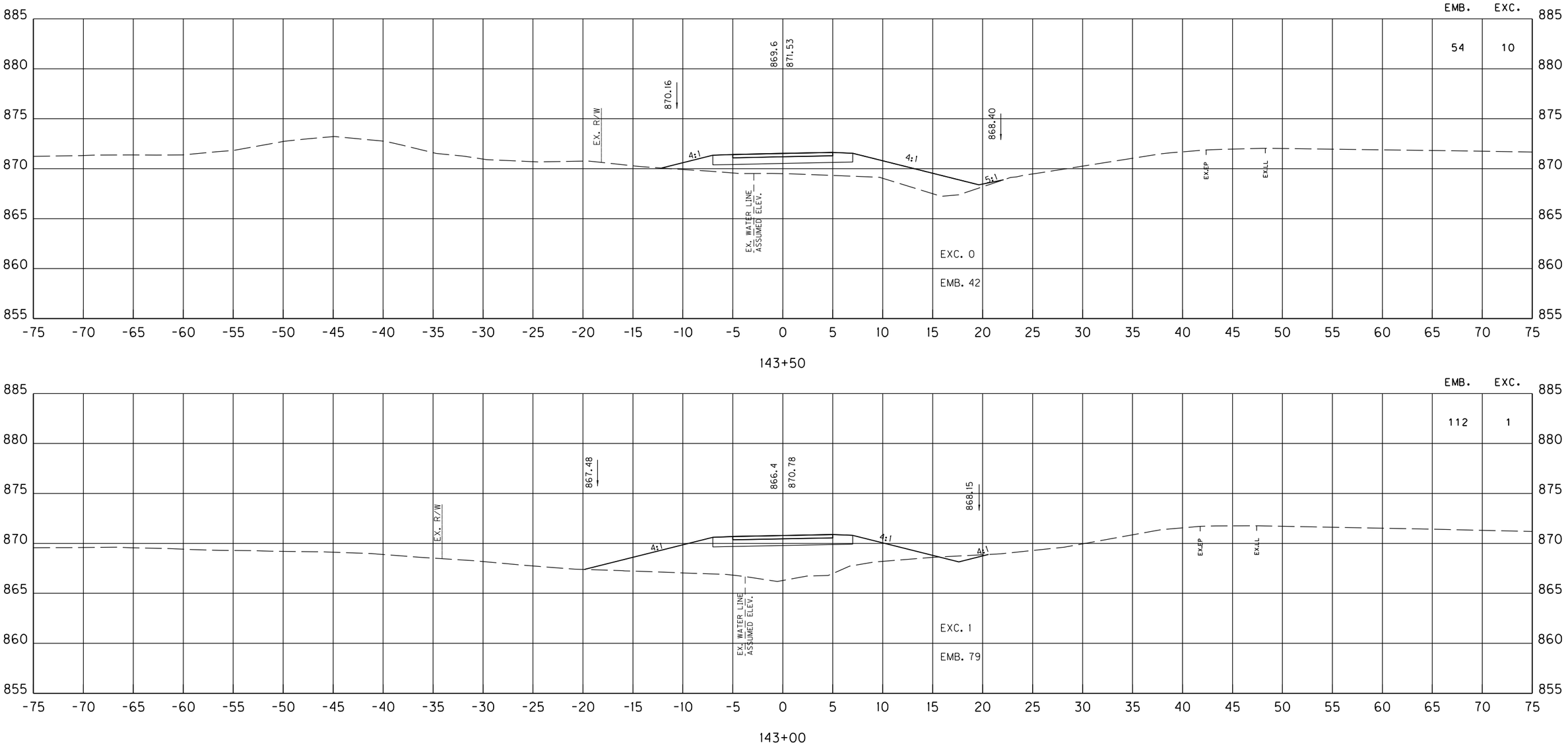


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 142+00 TO STA. 142+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X54



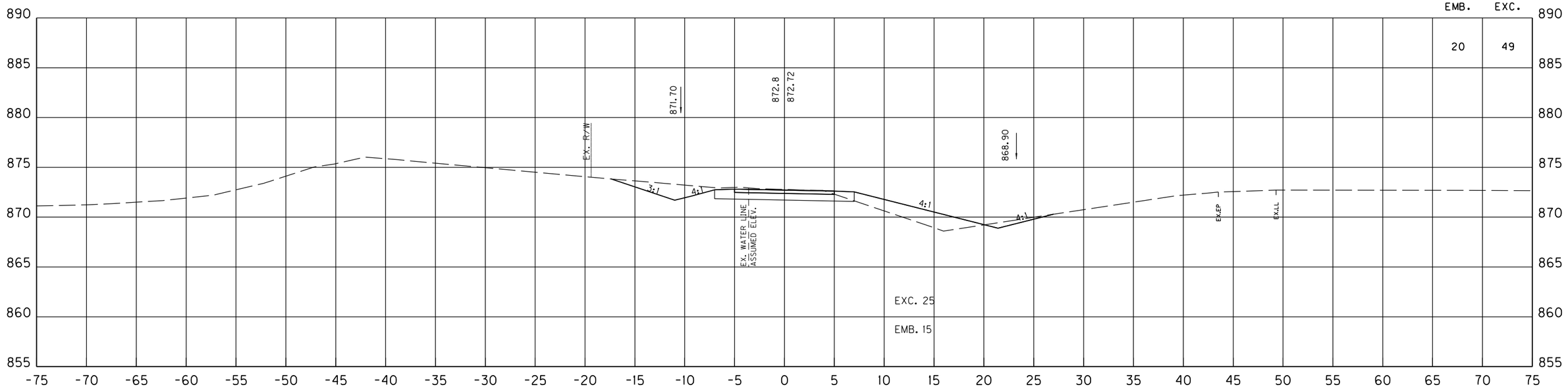
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

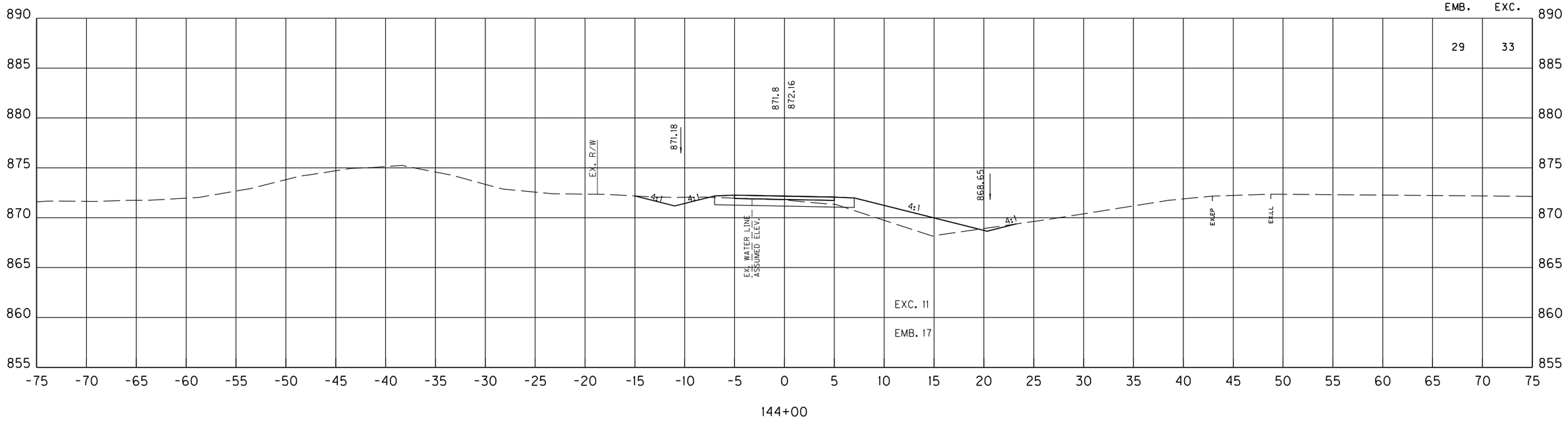
KY 237 MUP
STA. 143+00 TO STA. 143+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X55

SHEET TOTALS STA. 139+00 TO 144+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1391	41



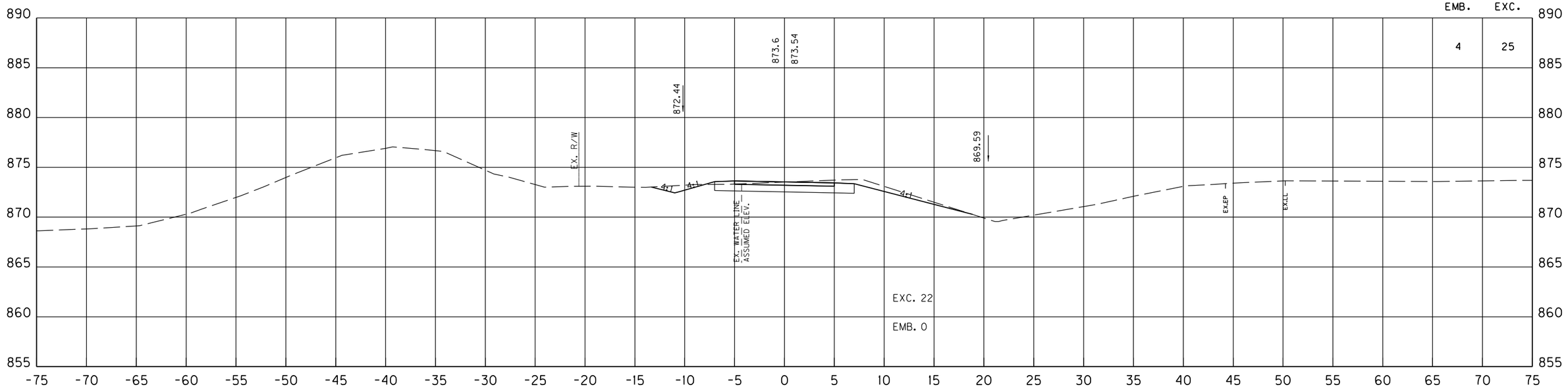


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

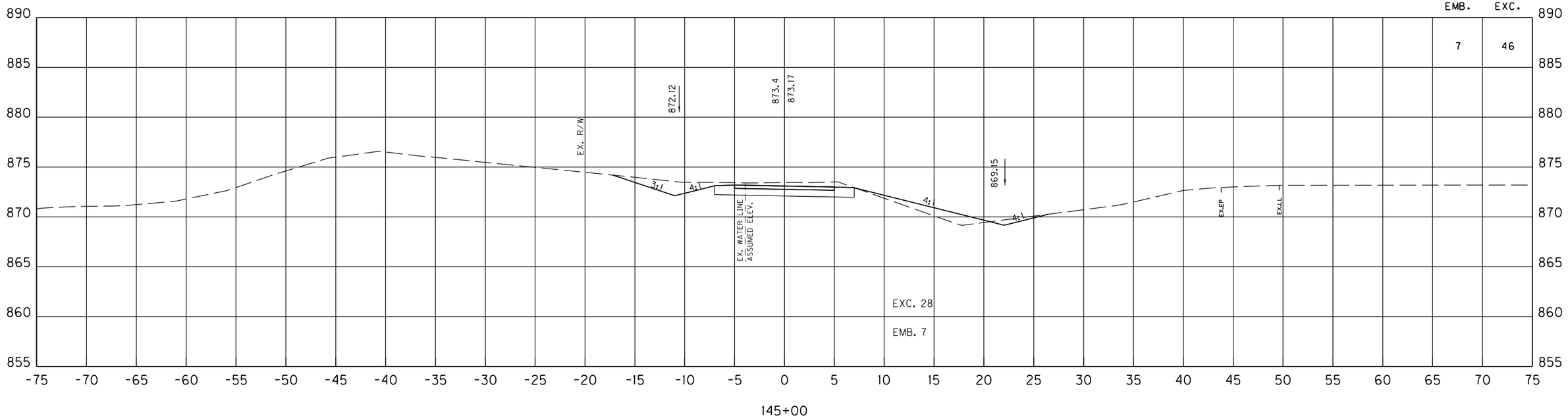
KY 237 MUP
STA. 144+00 TO STA. 144+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X56



145+50



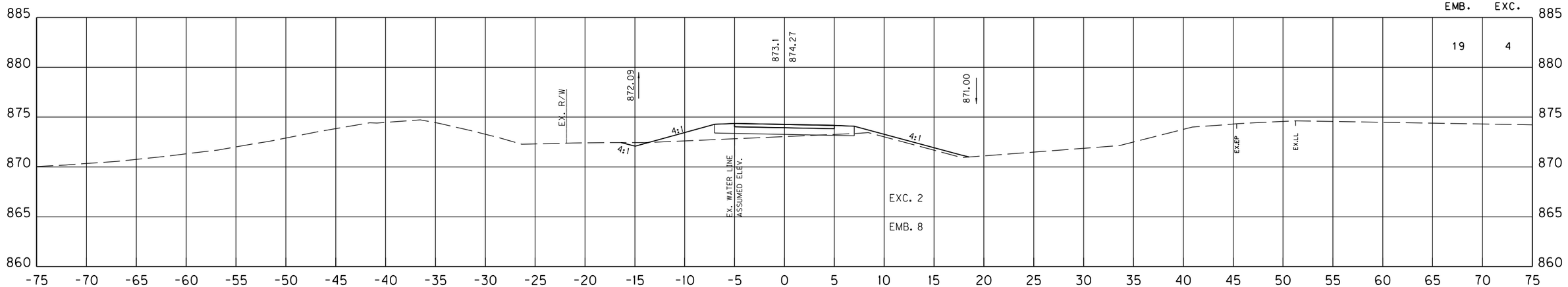
145+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

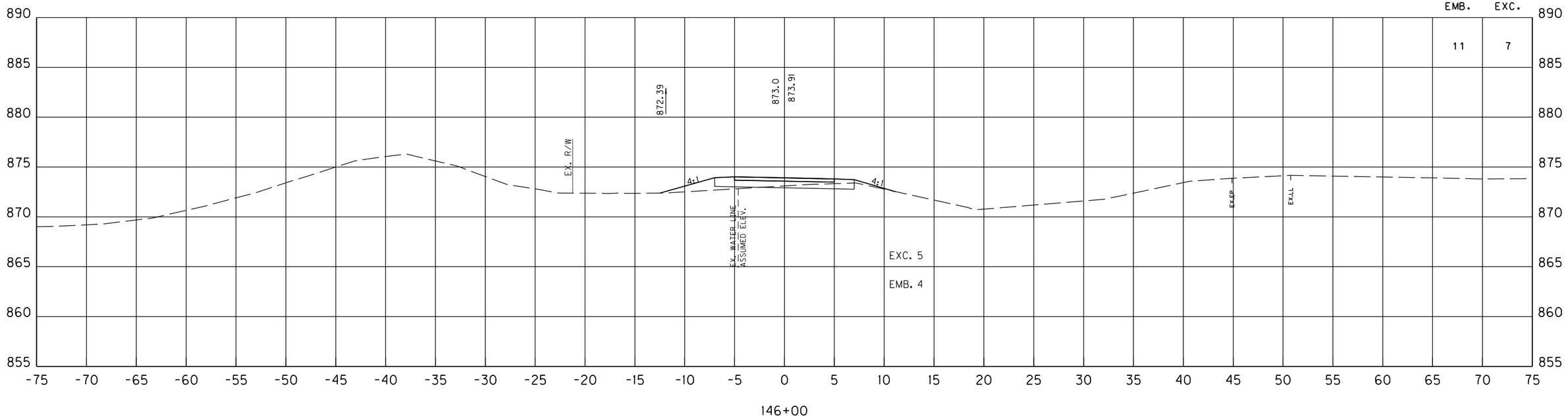
KY 237 MUP
STA. 145+00 TO STA. 145+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X57



146+50



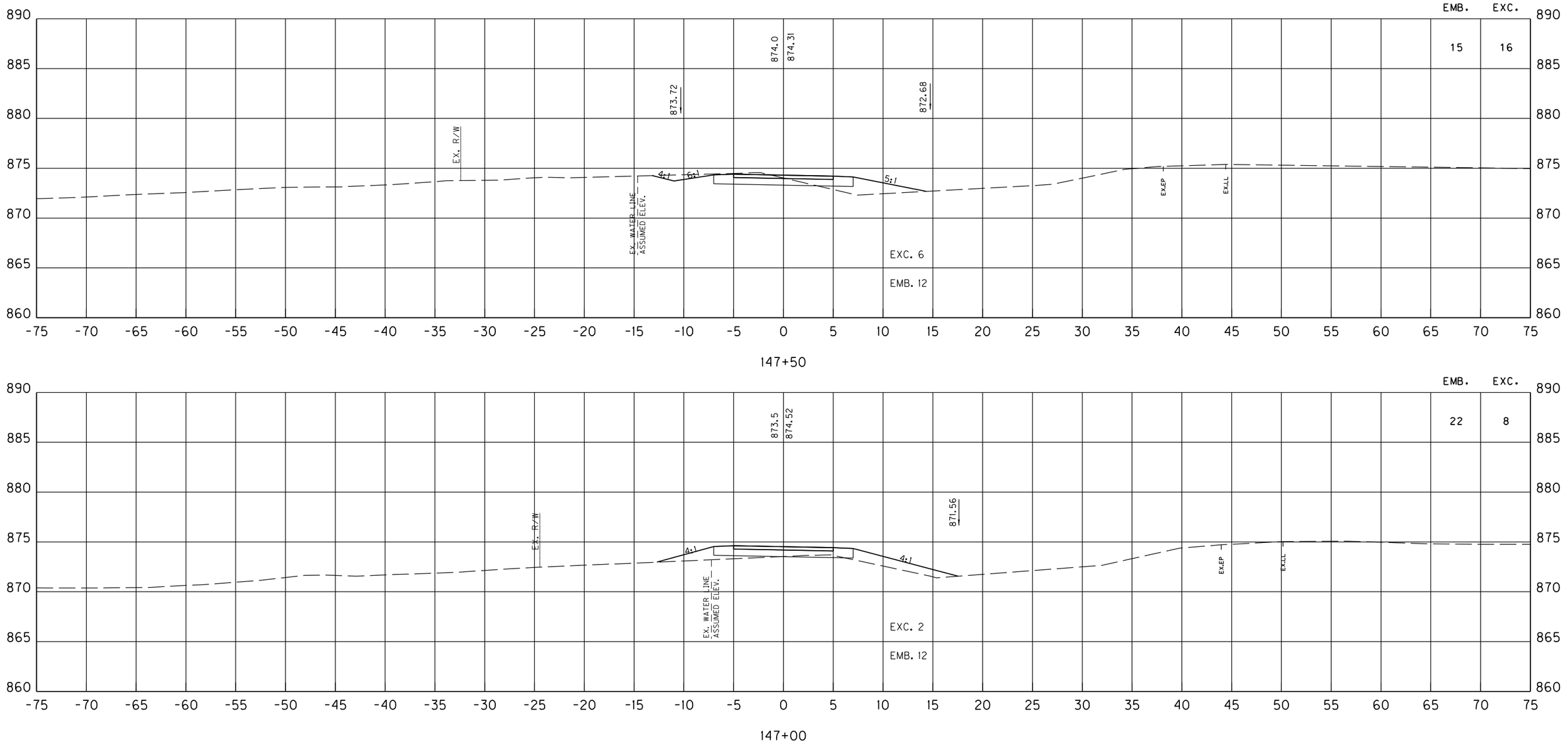
146+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 146+00 TO STA. 146+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X58

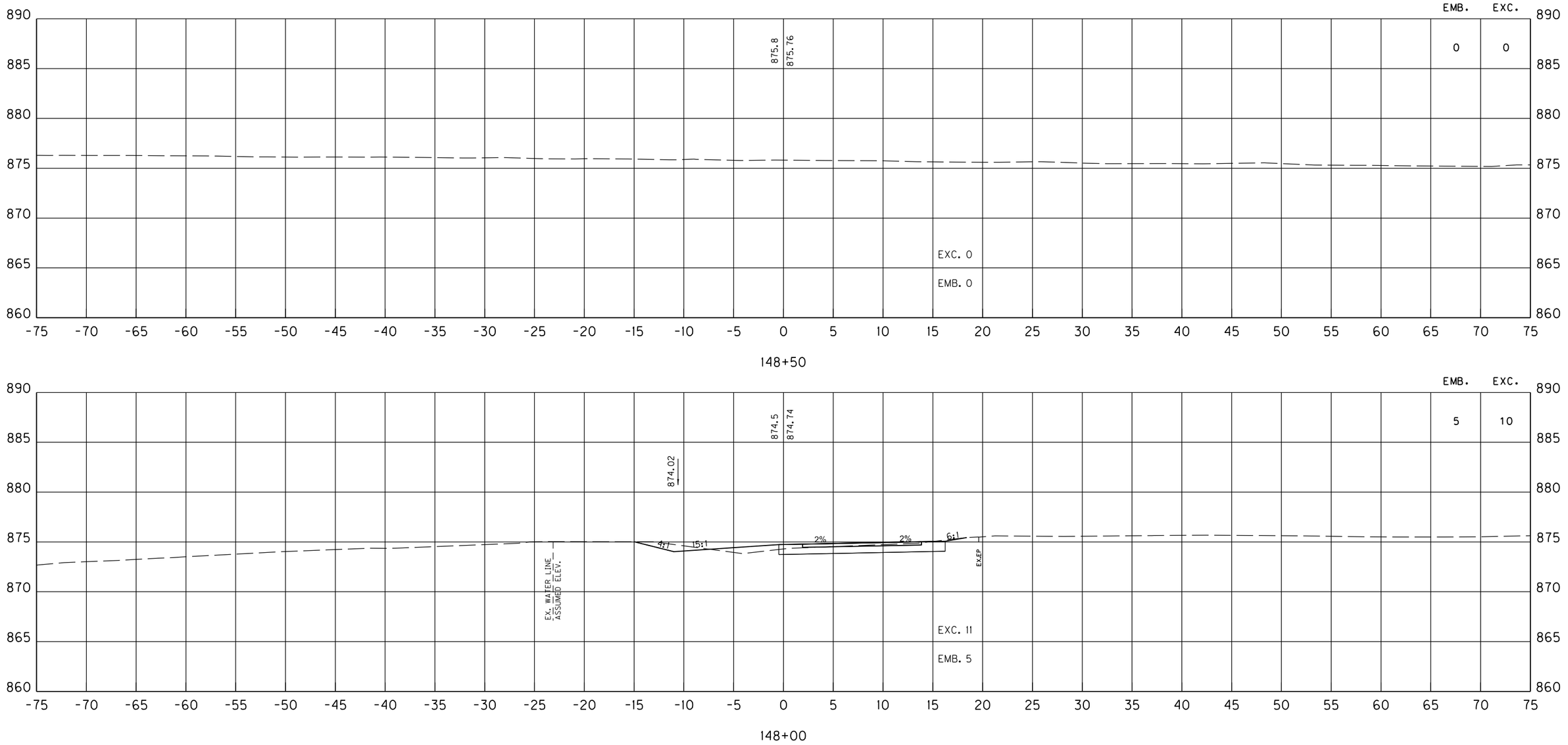


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 147+00 TO STA. 147+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X59



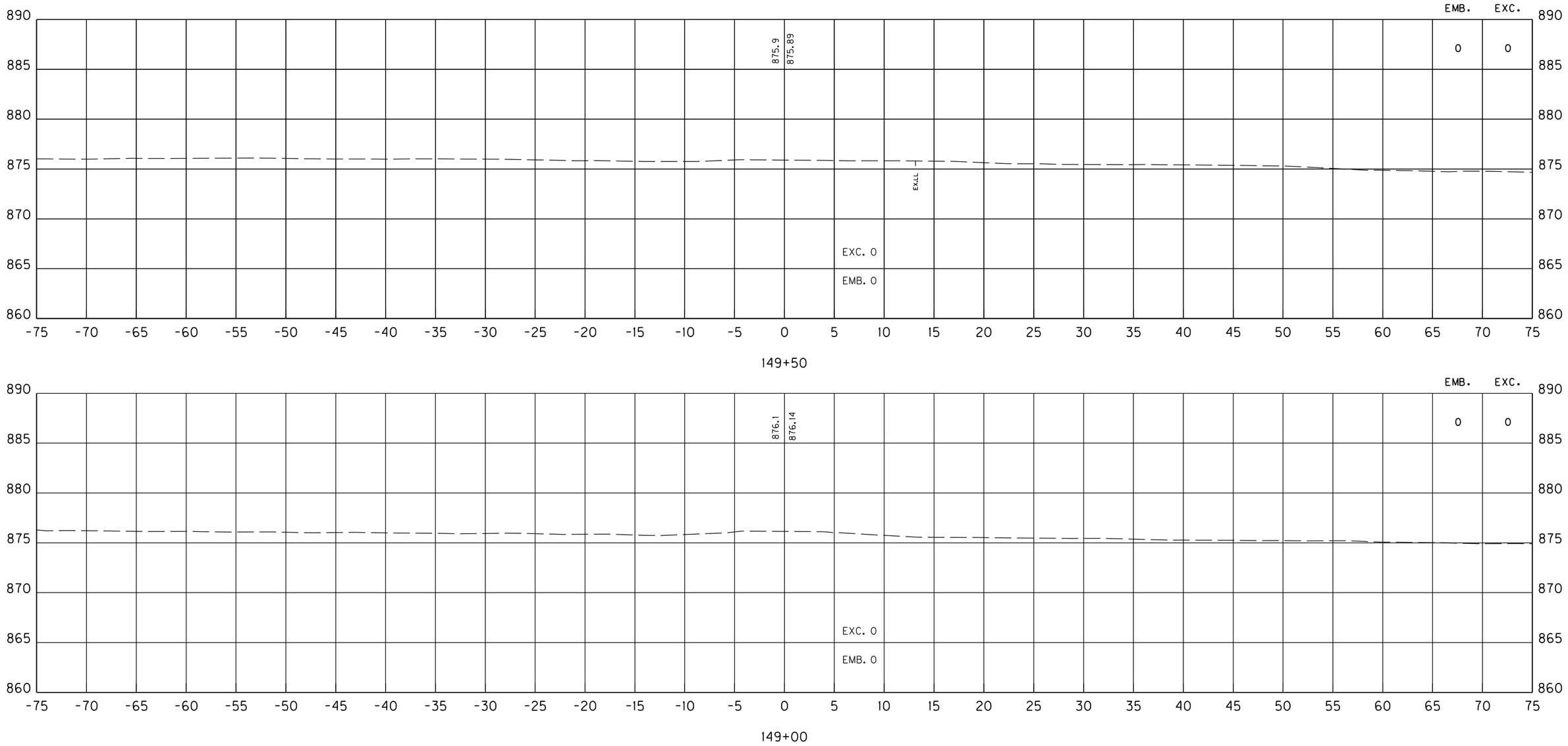
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 148+00 TO STA. 148+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X60

SHEET TOTALS STA. 144+00 TO 149+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	132	198

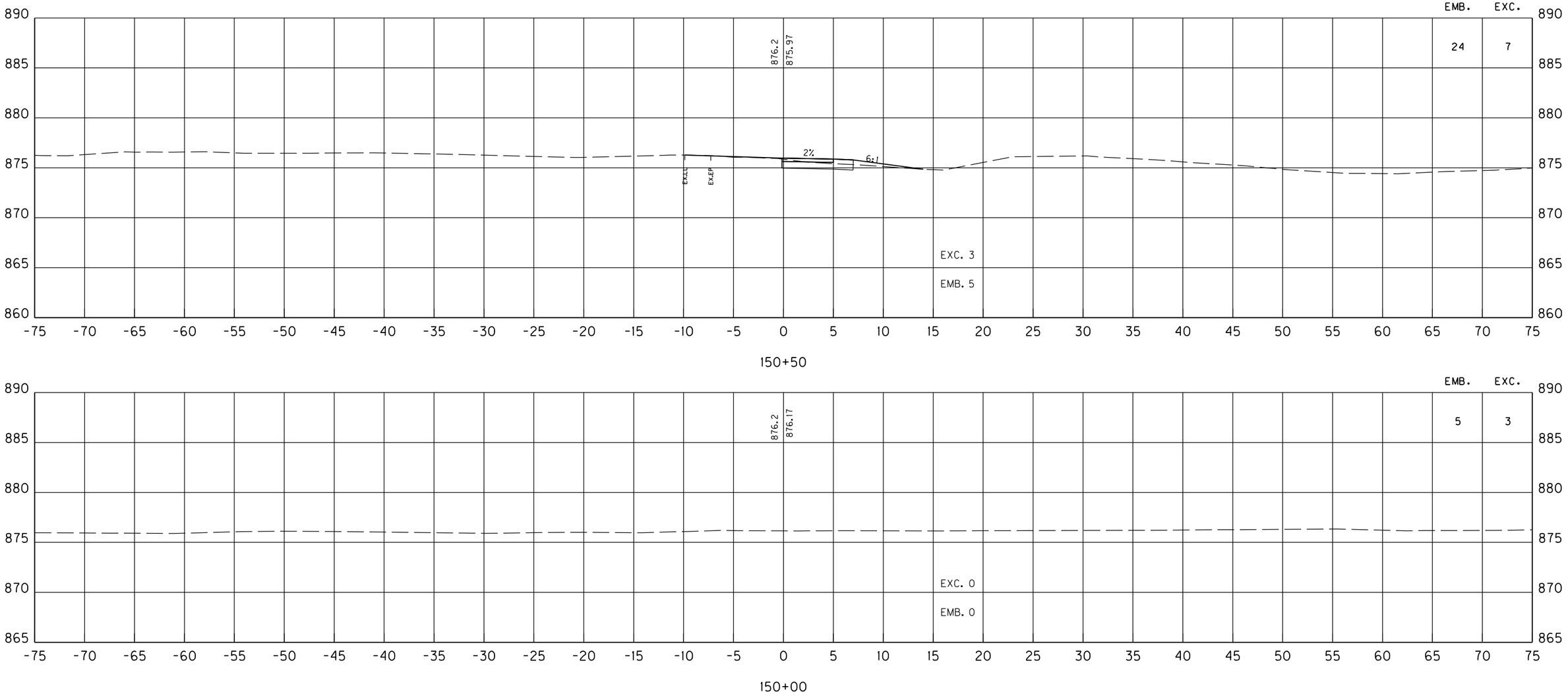


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 149+00 TO STA. 149+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X61

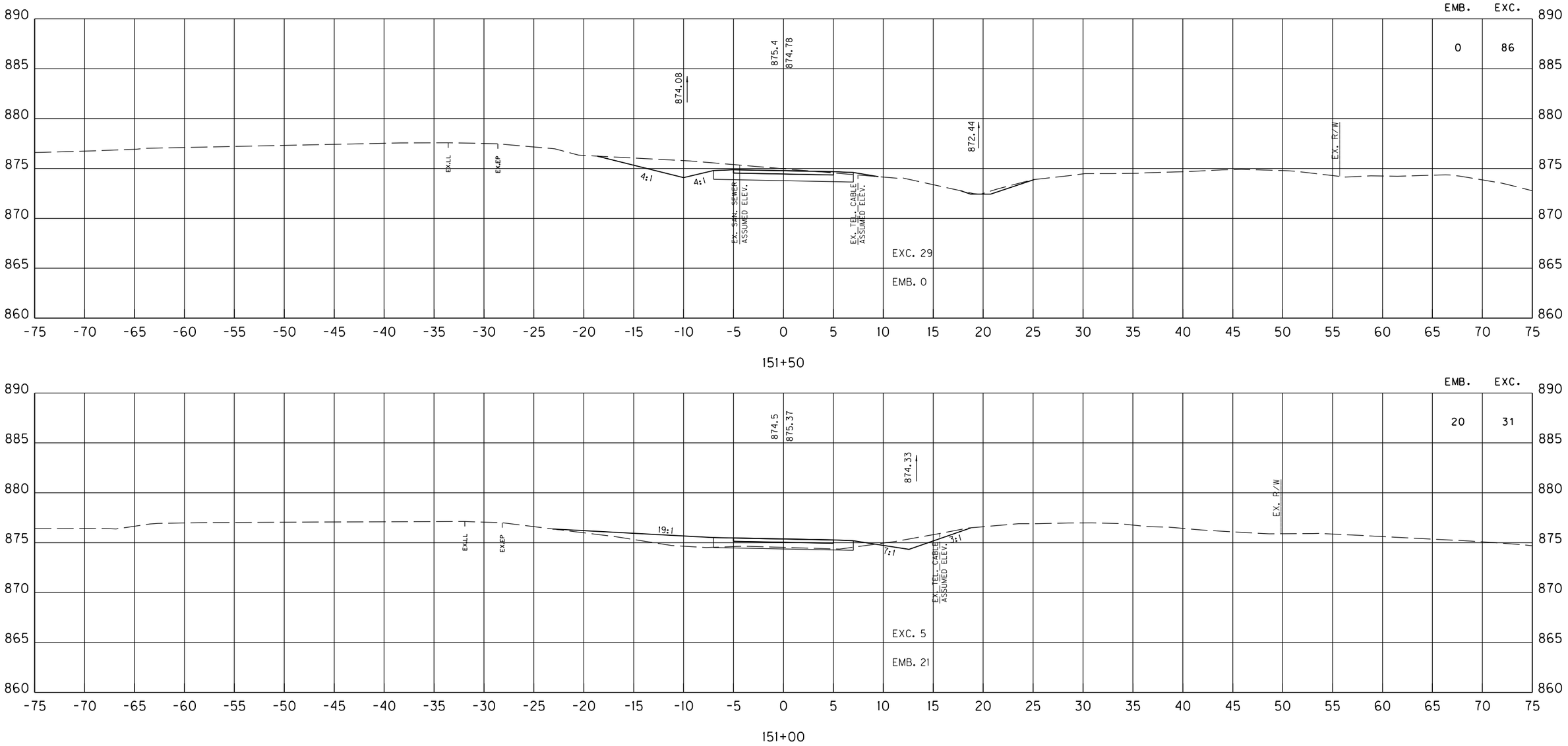


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 150+00 TO STA. 150+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: janet
DATE PLOTTED: October 29, 2020
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X62

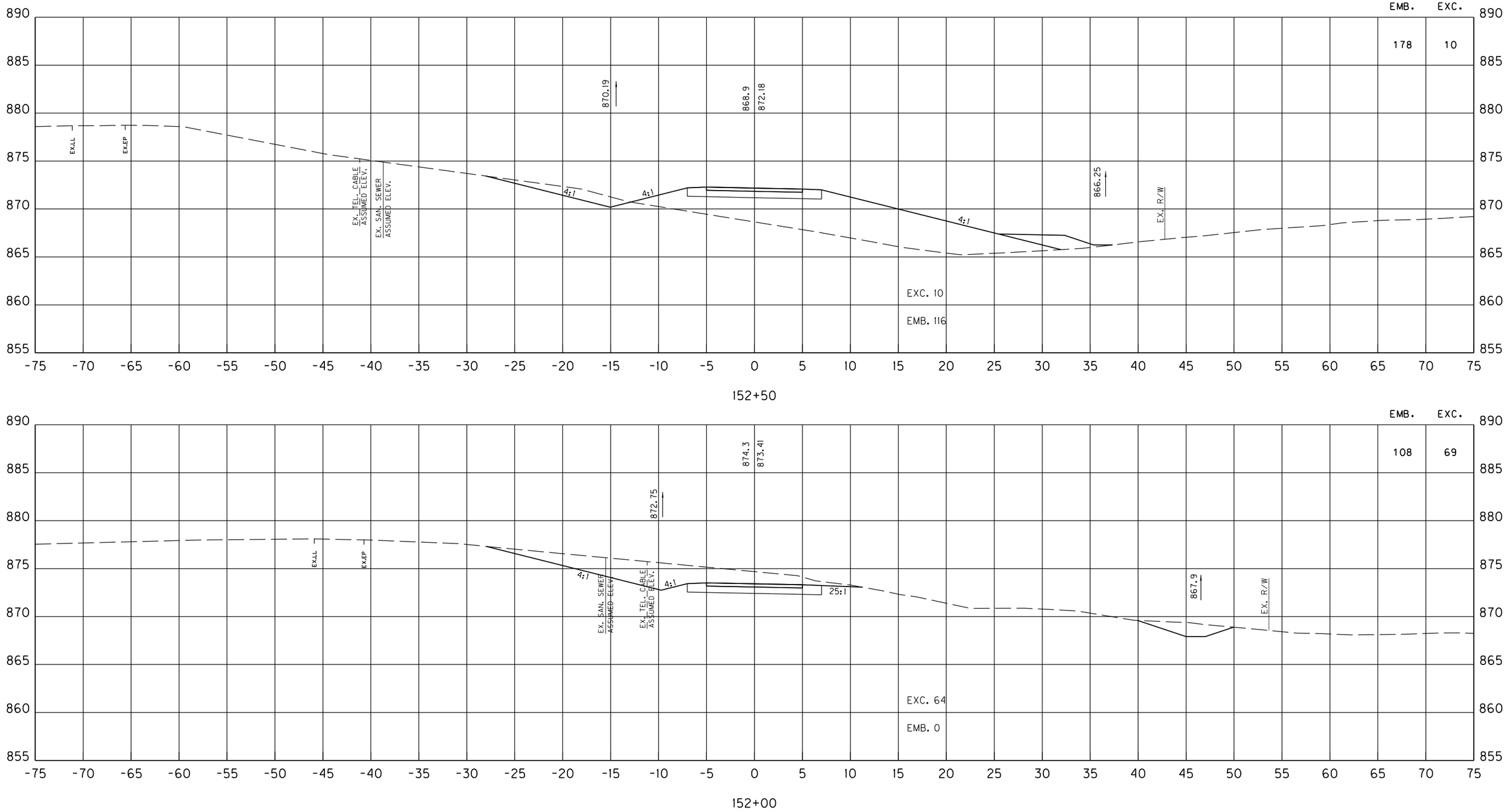


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 151+00 TO STA. 151+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X63

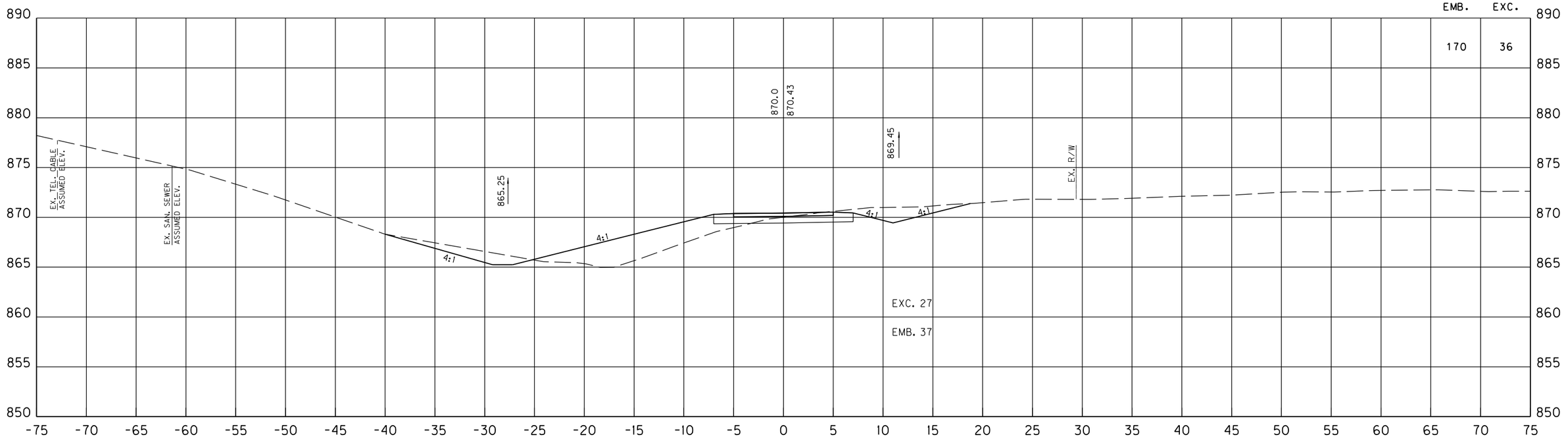


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

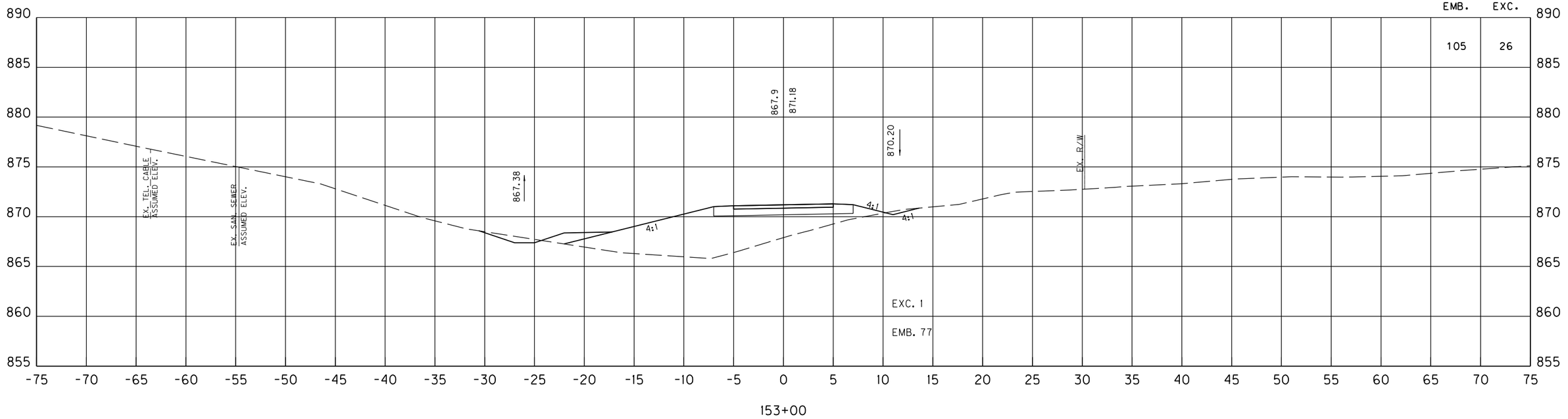
KY 237 MUP
STA. 152+00 TO STA. 152+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X64



153+50



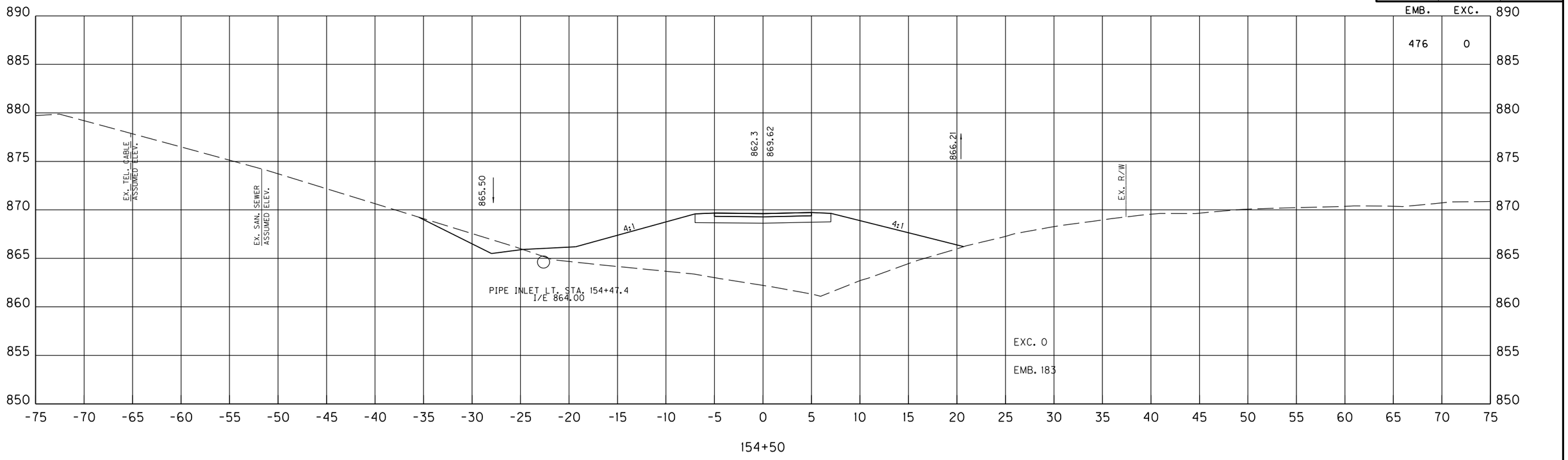
153+00

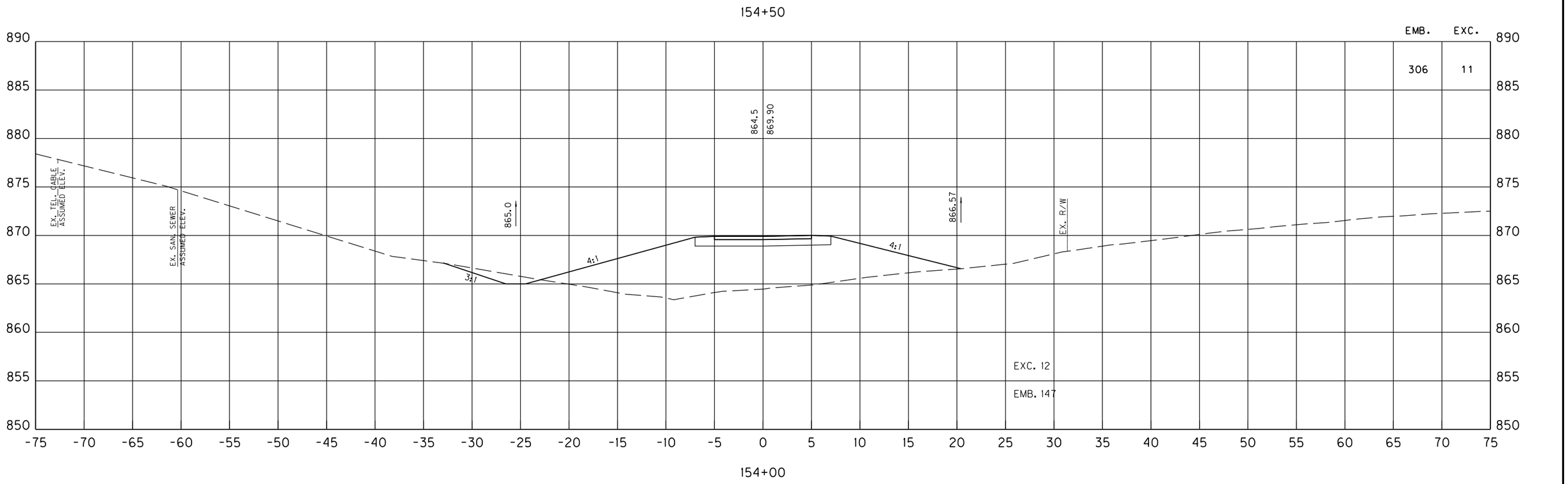
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 153+00 TO STA. 153+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X65





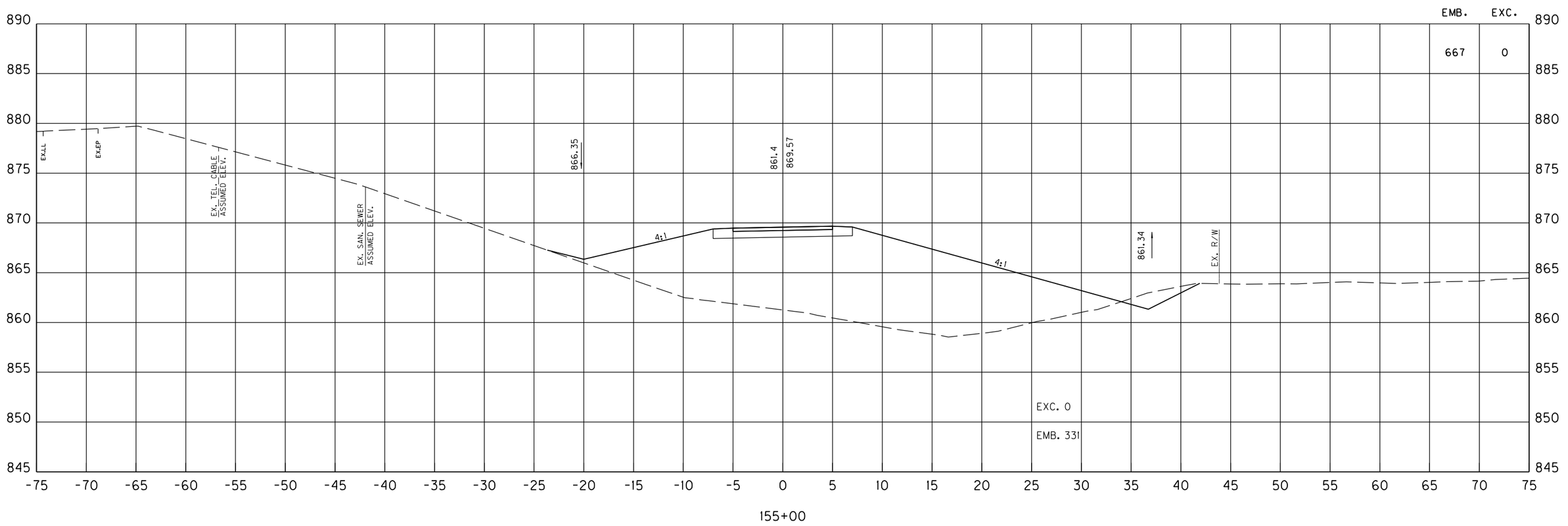
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 154+00 TO STA. 154+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X66

SHEET TOTALS STA. 149+00 TO 155+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1392	279

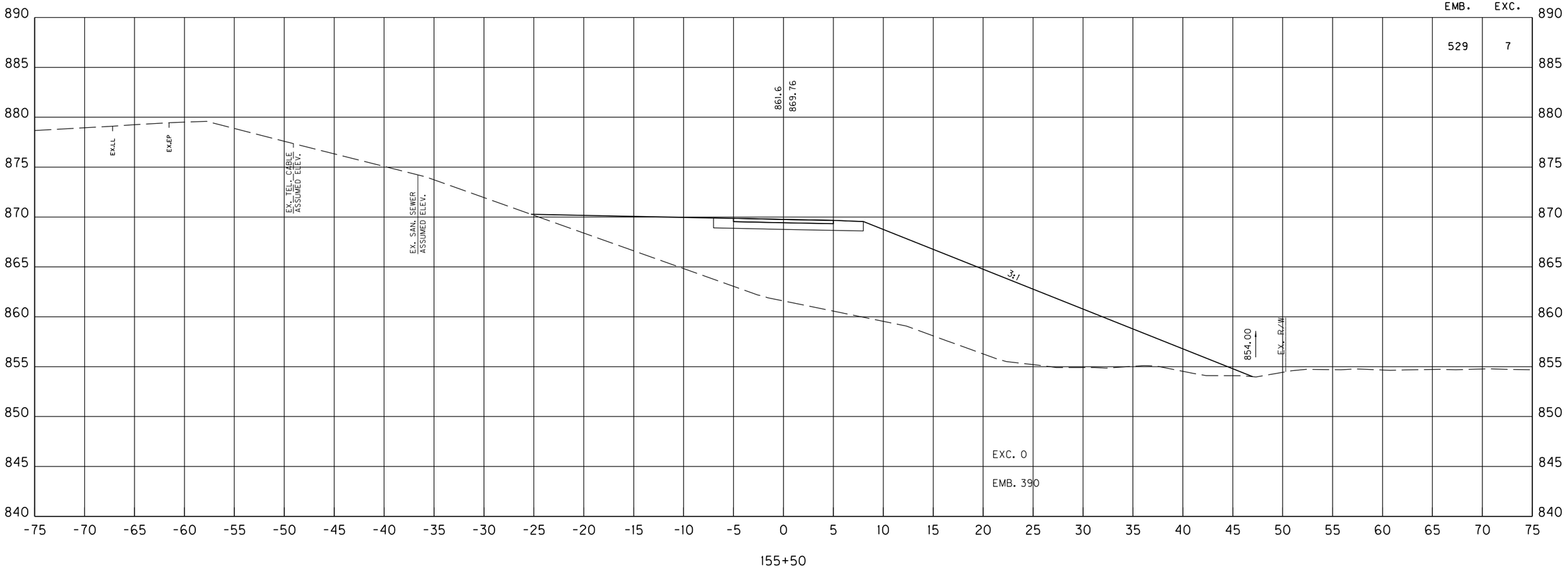


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 155+00 TO STA. 155+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X67

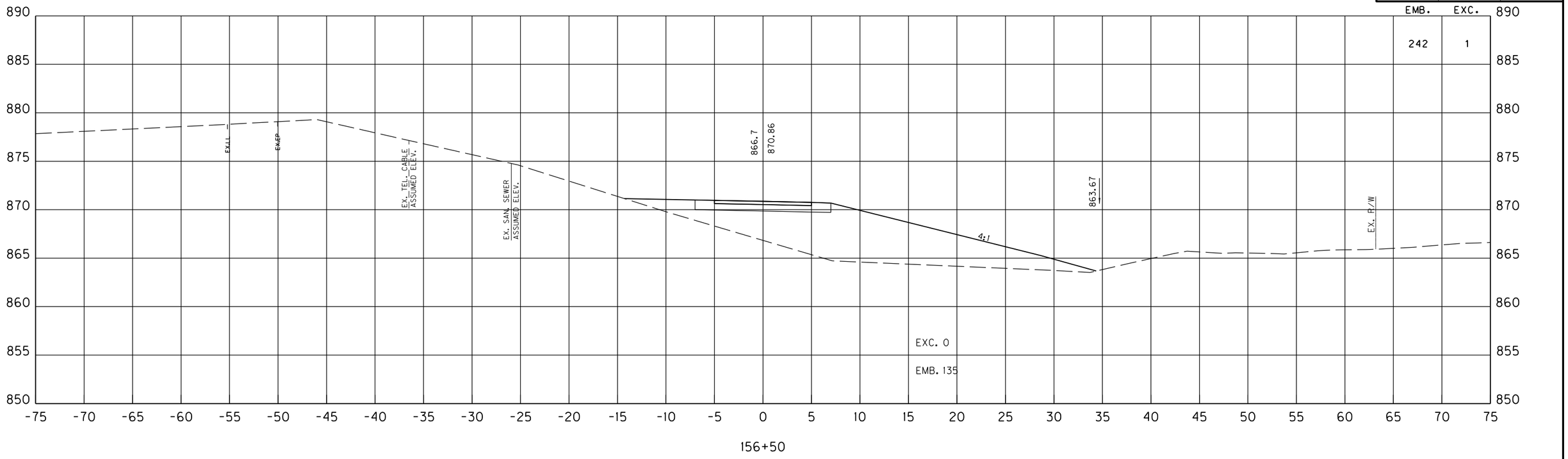


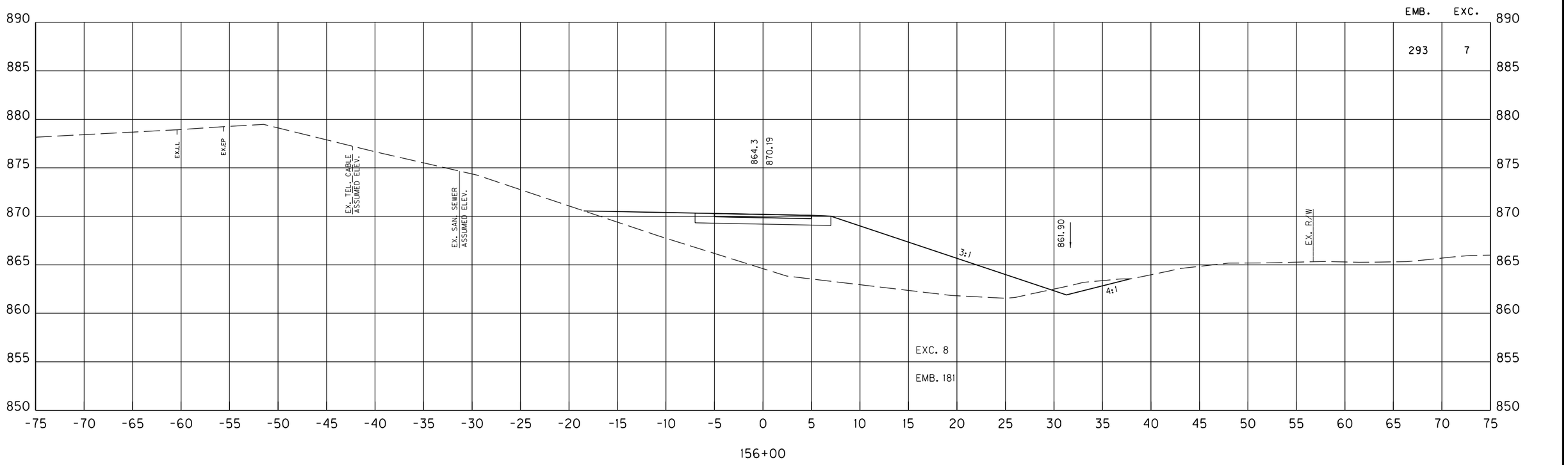
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 155+50 TO STA. 155+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X68



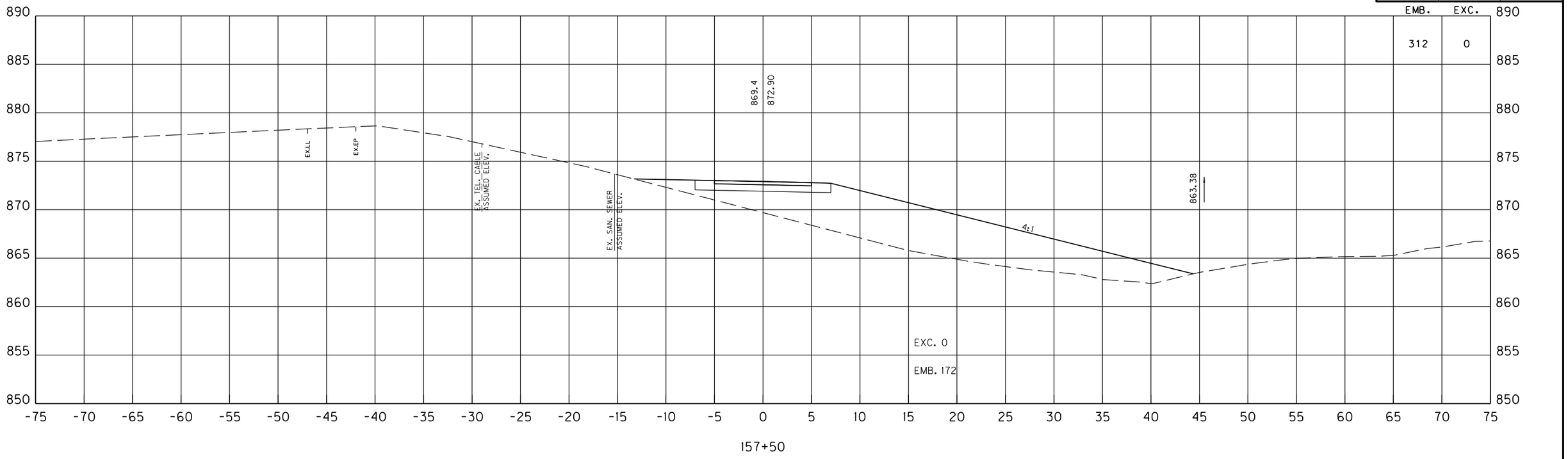


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

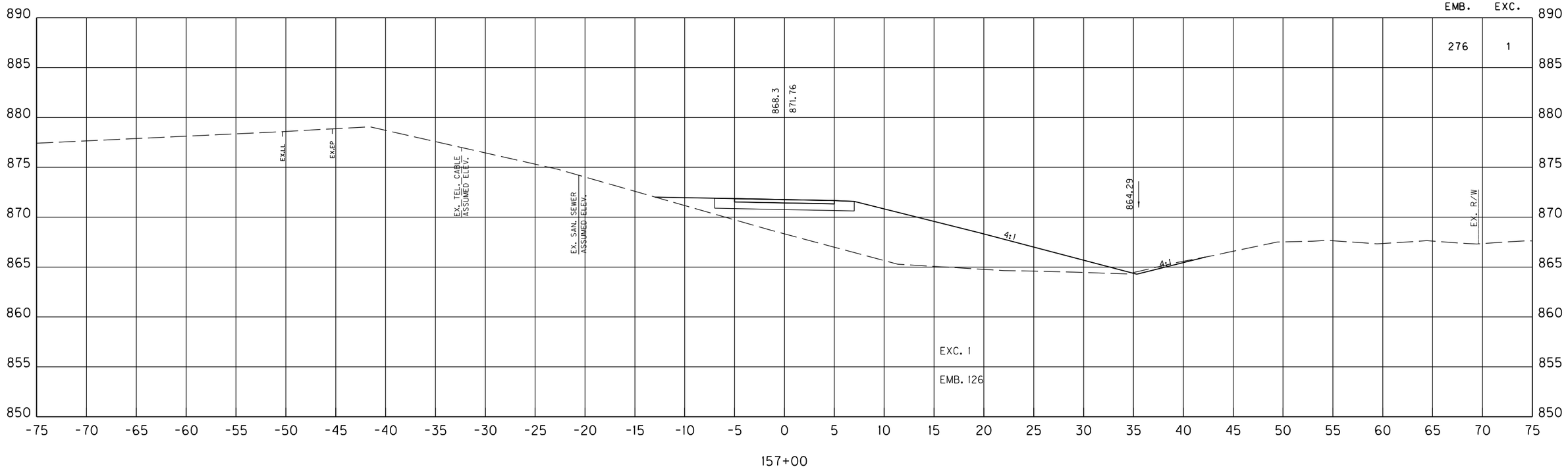
KY 237 MUP
STA. 156+00 TO STA. 156+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X69



157+50



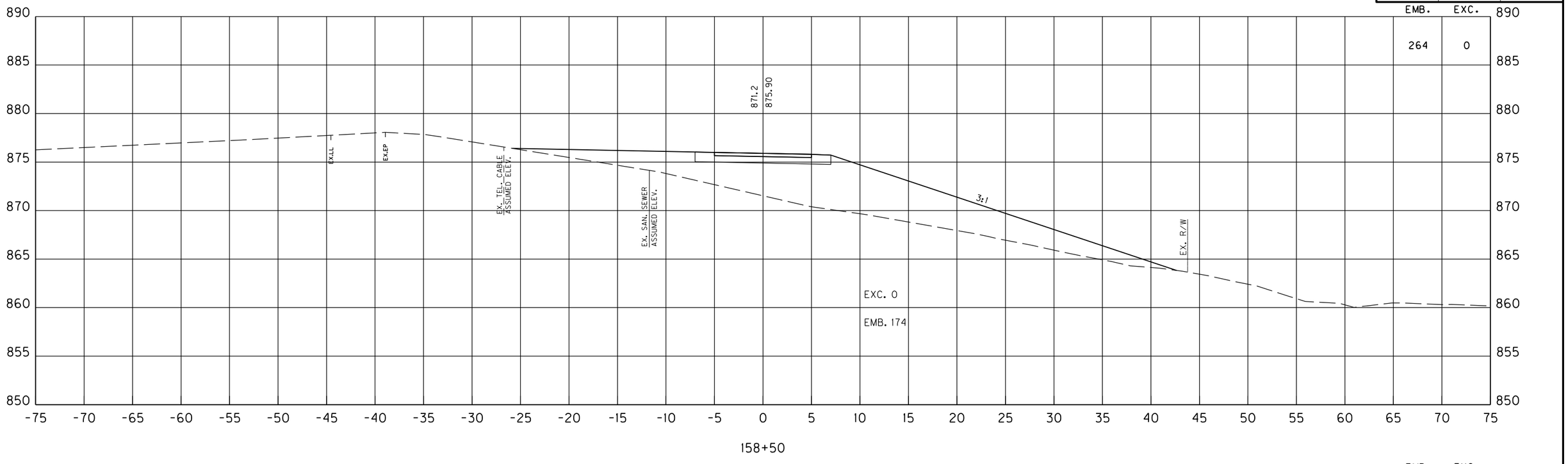
157+00

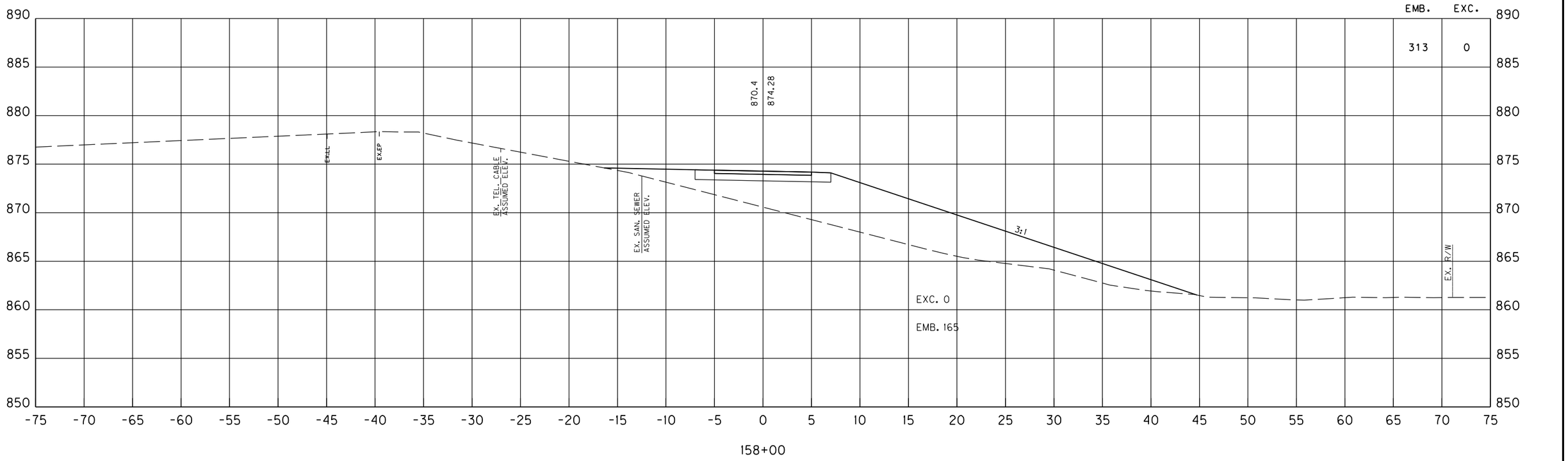
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 157+00 TO STA. 157+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X70



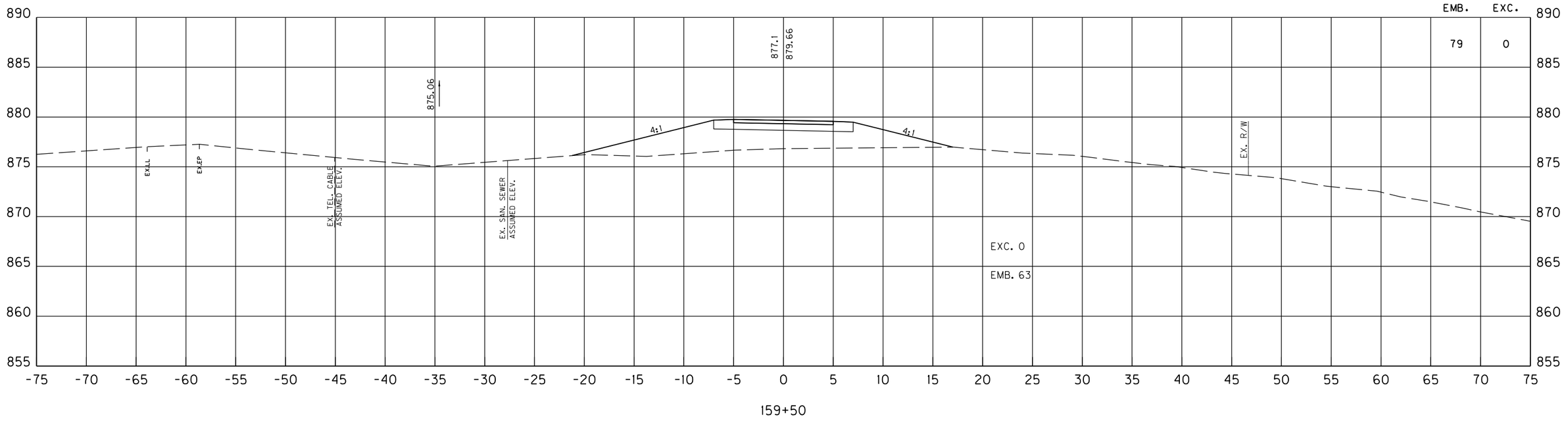


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

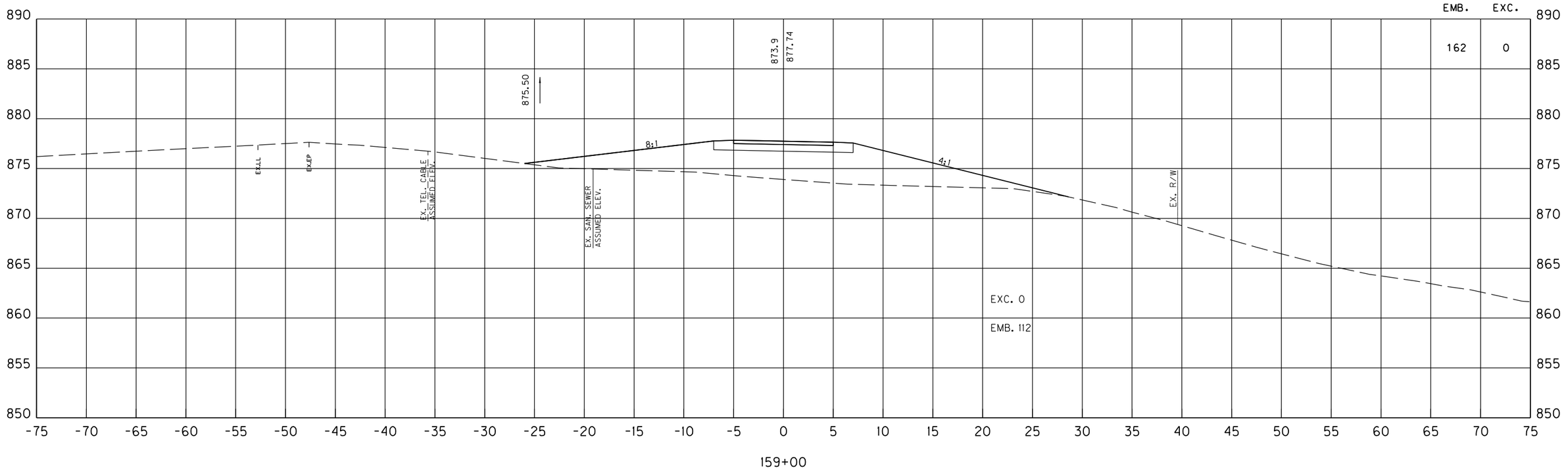
KY 237 MUP
STA. 158+00 TO STA. 158+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X71



159+50



159+00

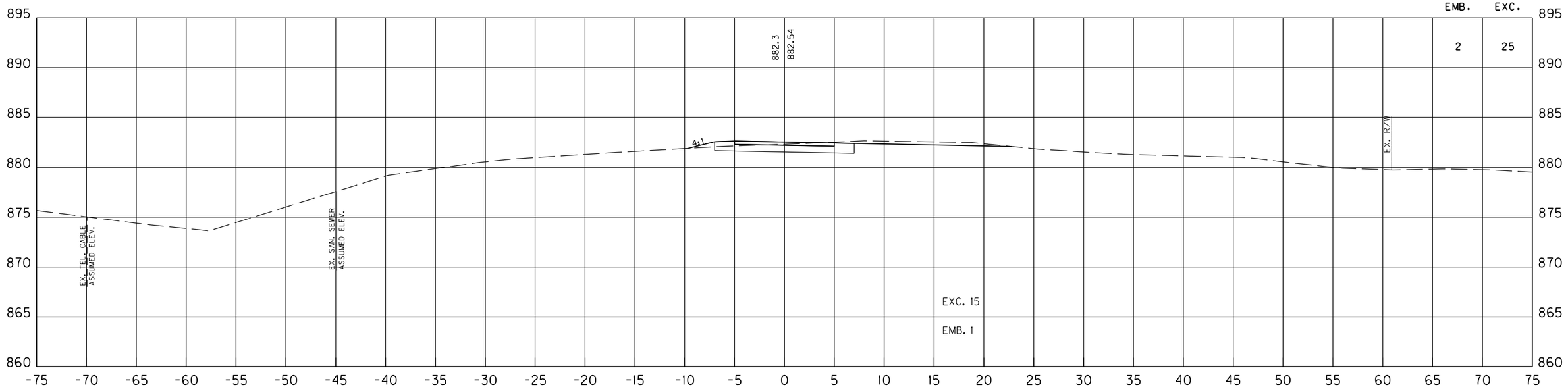
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 159+00 TO STA. 159+50
MAINLINE CROSS SECTIONS

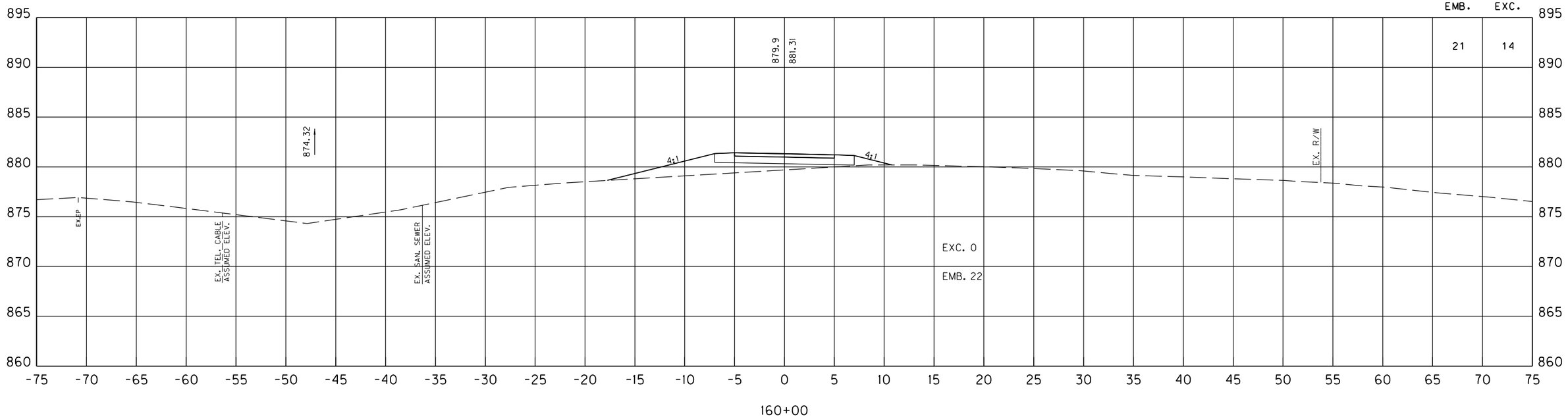
Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X72

SHEET TOTALS STA. 155+00 TO 160+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	3137	17



160+50



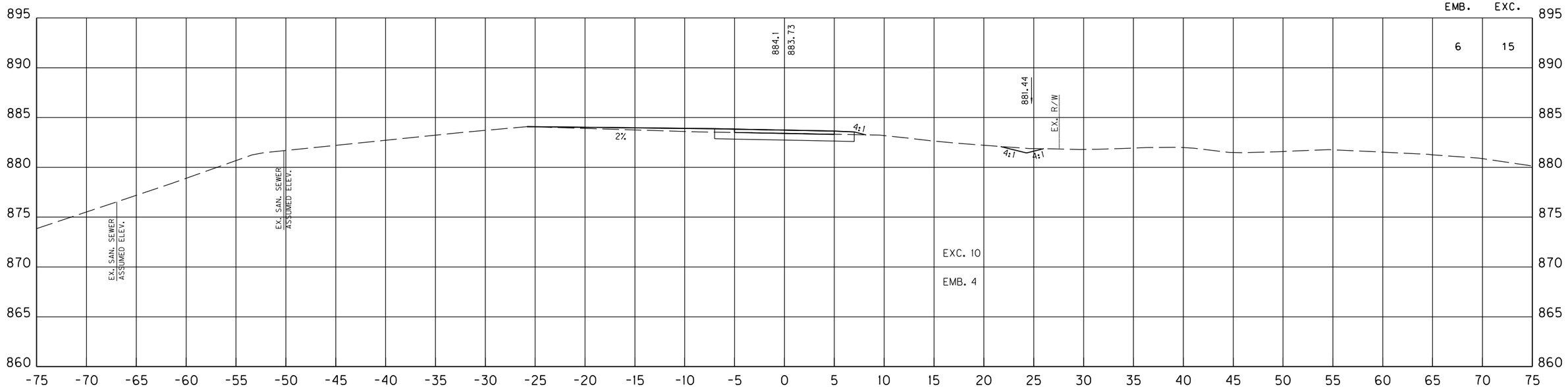
160+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

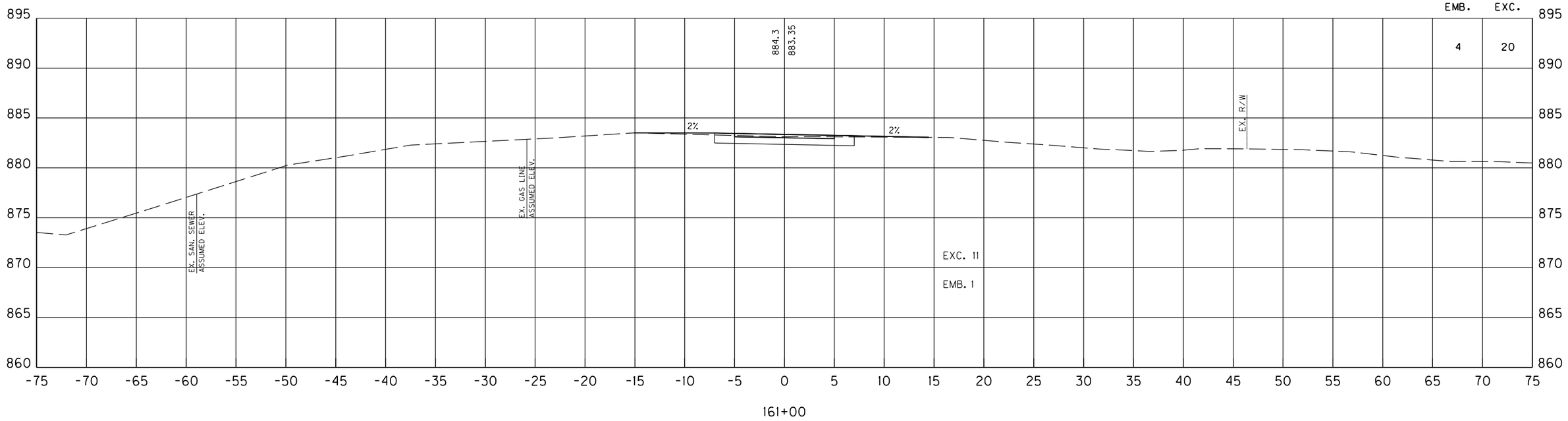
KY 237 MUP
STA. 160+00 TO STA. 160+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X73



161+50



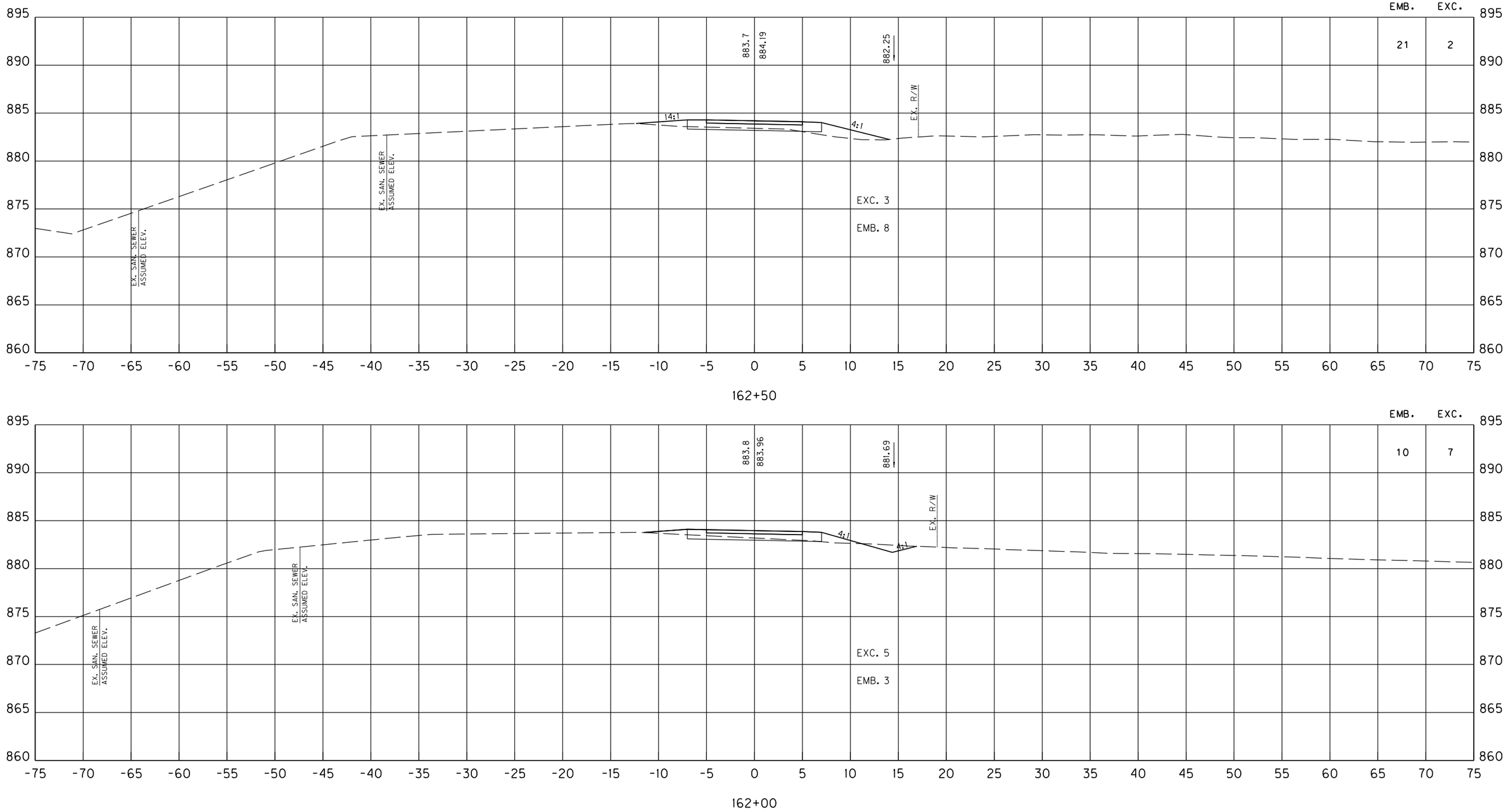
161+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 161+00 TO STA. 161+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X74

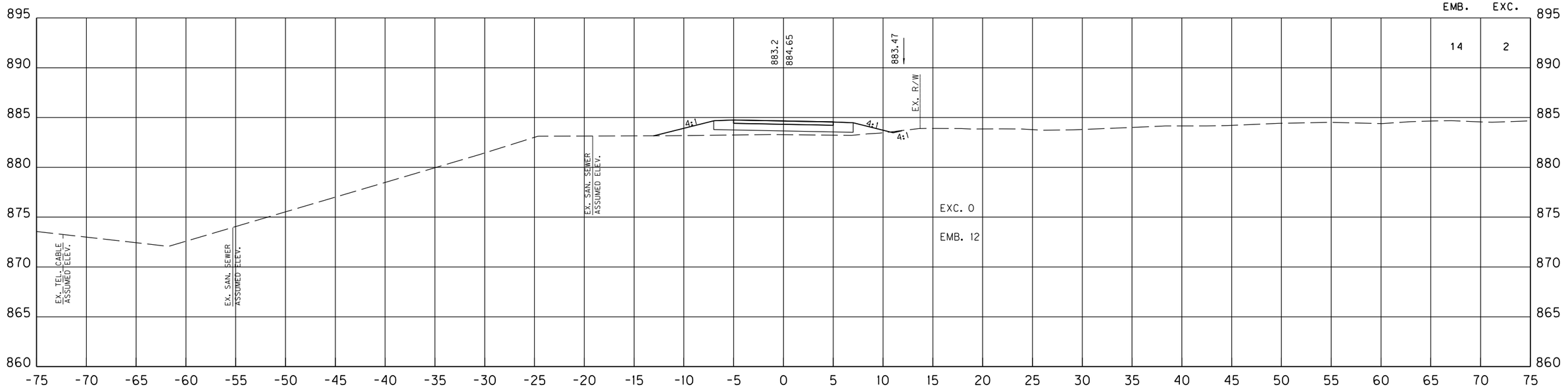


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

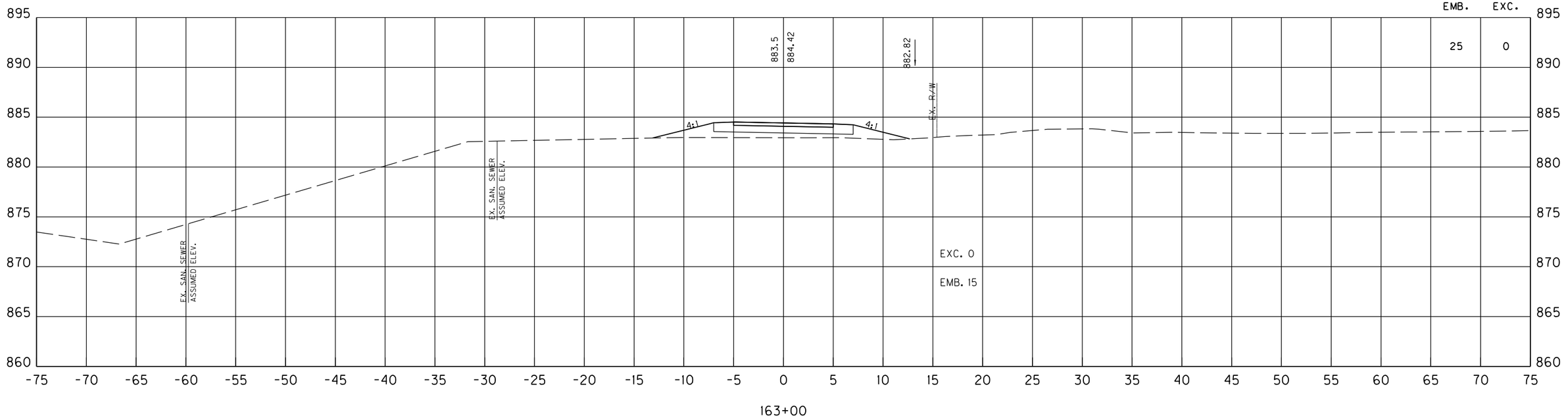
KY 237 MUP
STA. 162+00 TO STA. 162+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X75



163+50



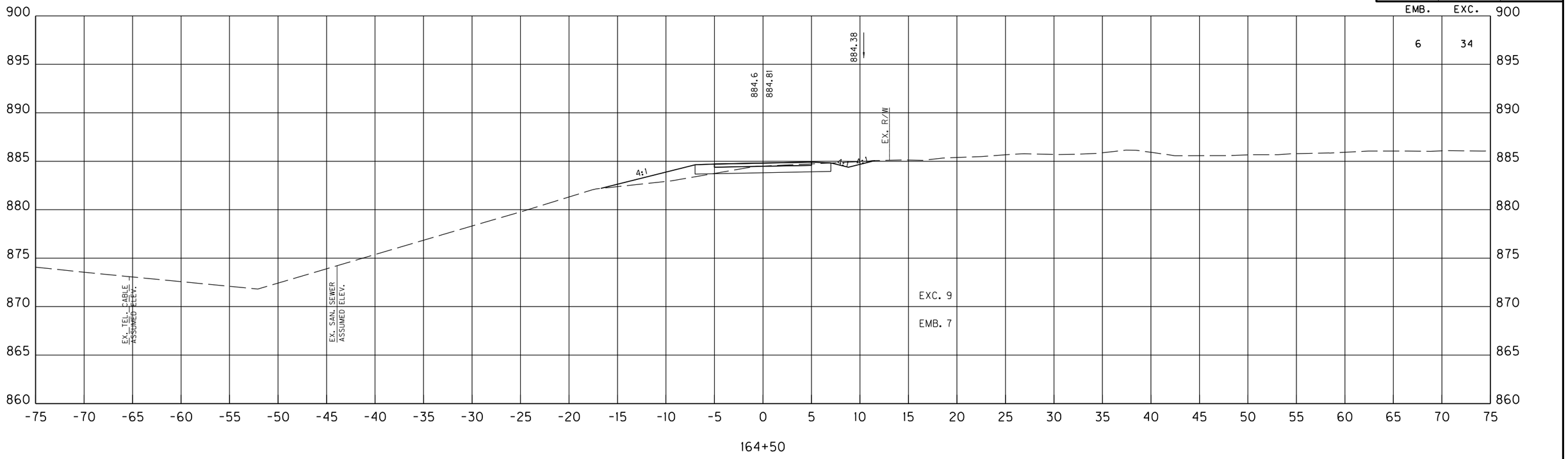
163+00

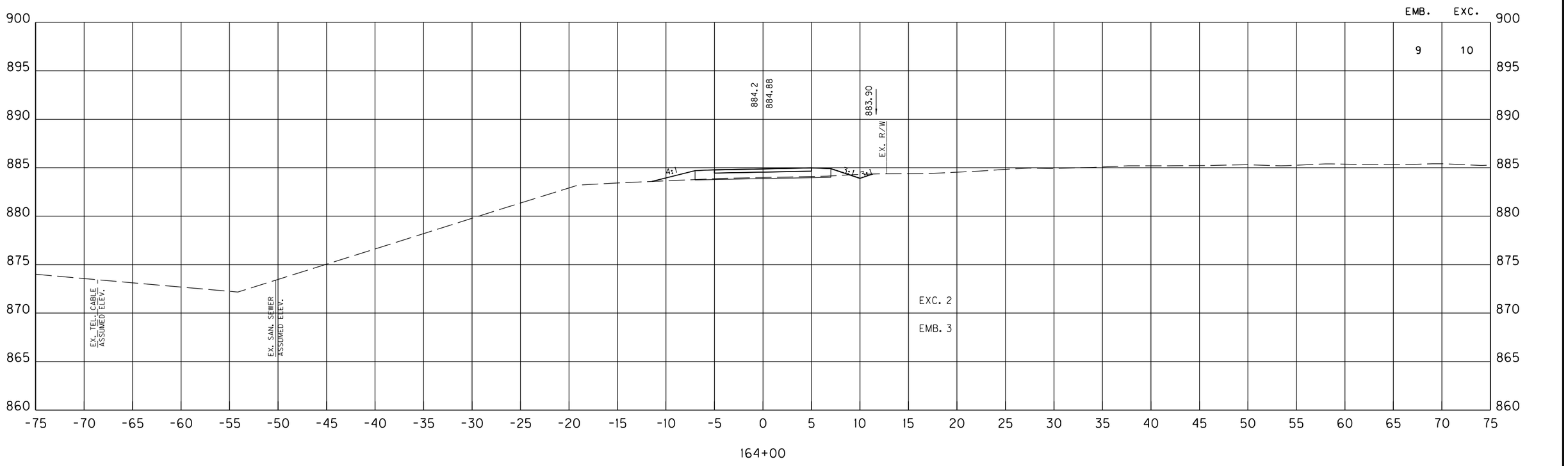
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 163+00 TO STA. 163+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X76





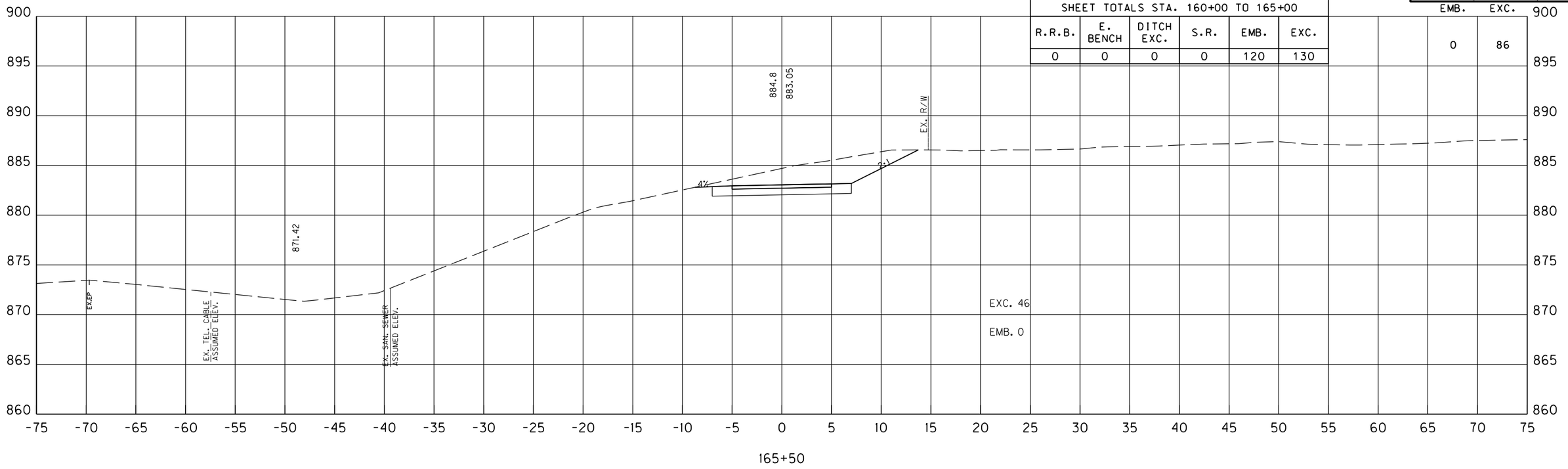
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

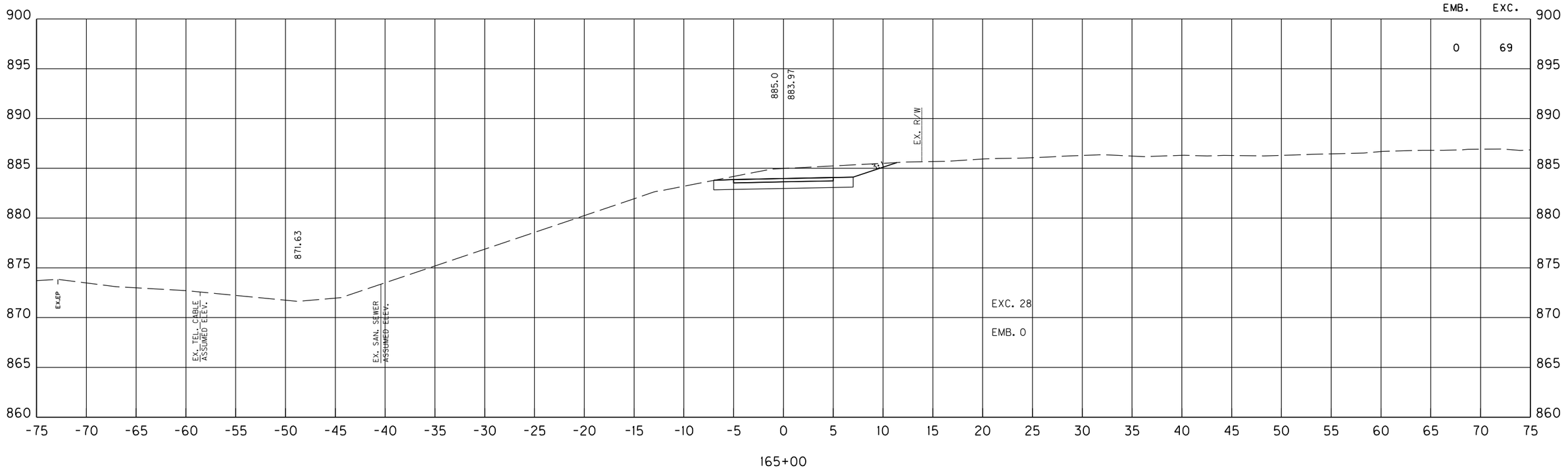
KY 237 MUP
STA. 164+00 TO STA. 164+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X77

SHEET TOTALS STA. 160+00 TO 165+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	120	130



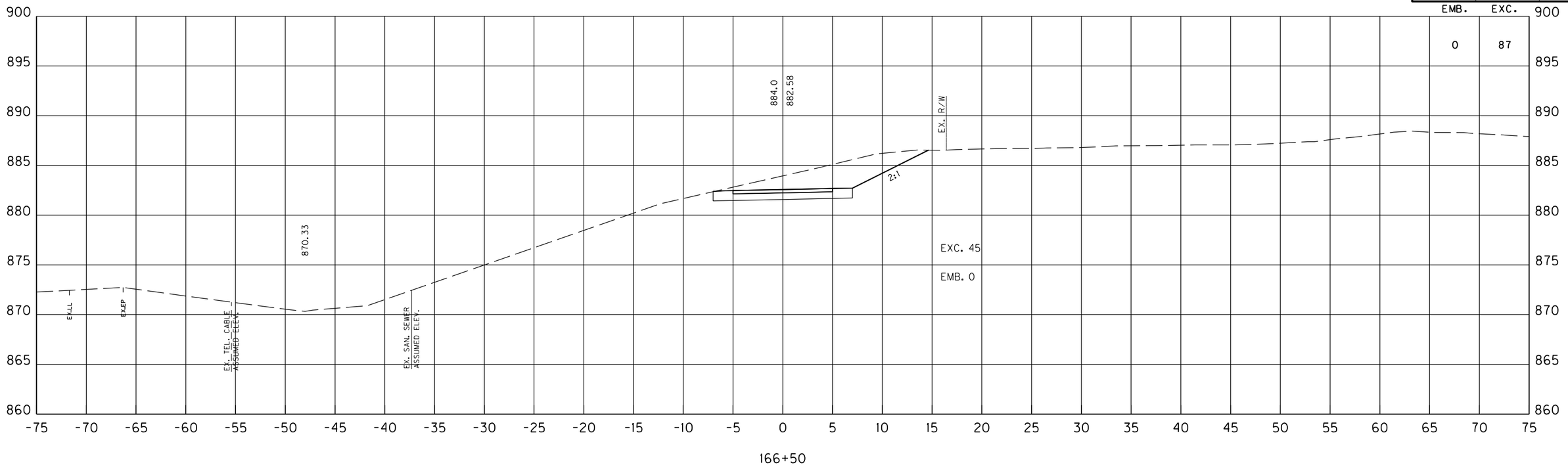


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

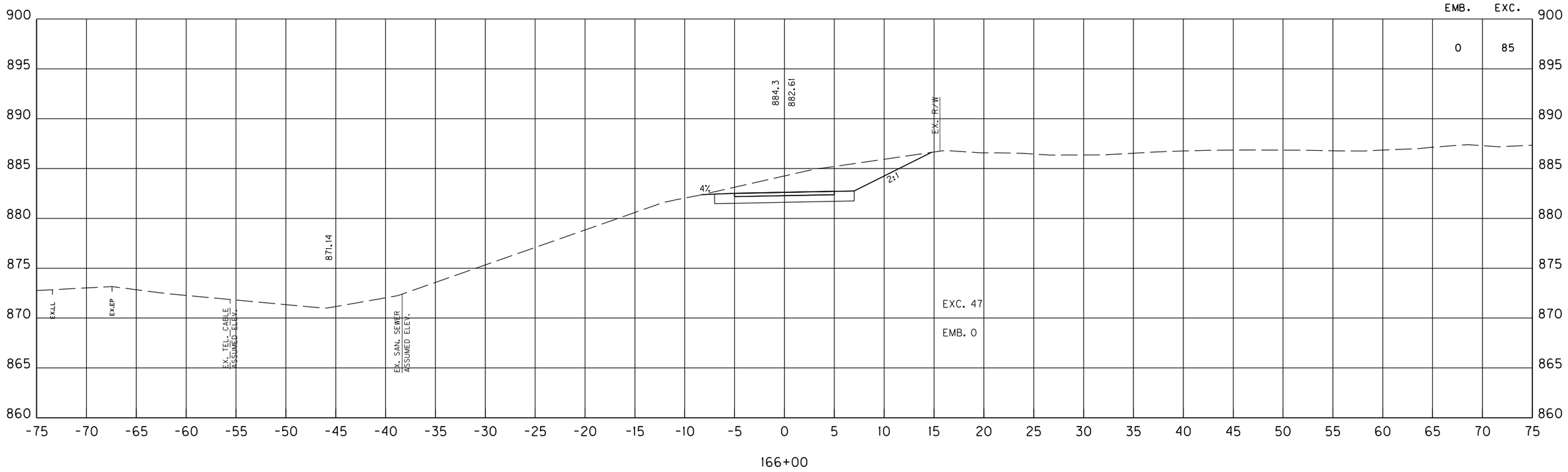
KY 237 MUP
STA. 165+00 TO STA. 165+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X78



166+50



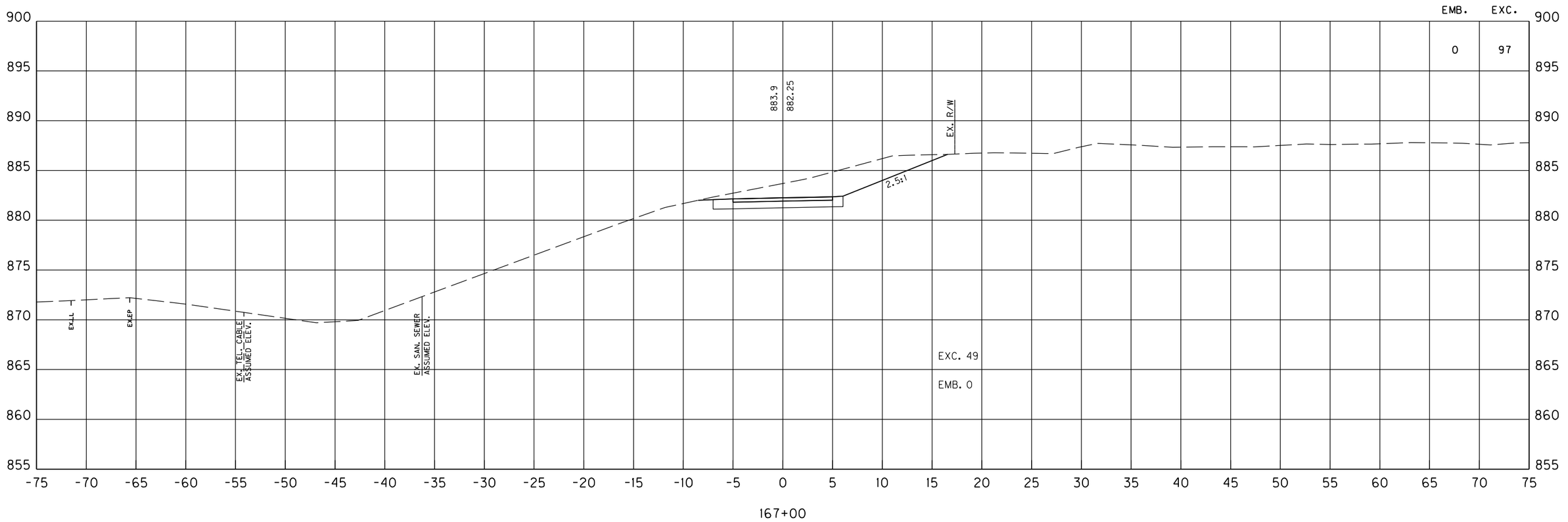
166+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 166+00 TO STA. 166+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X79

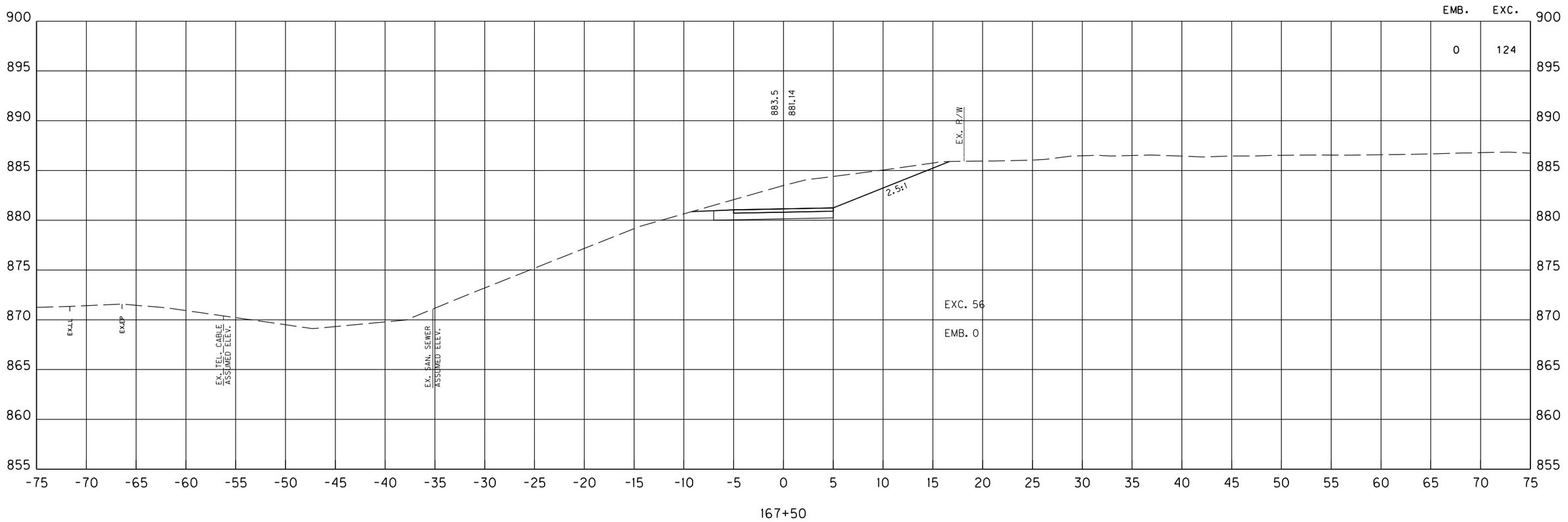


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 167+00 TO STA. 167+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet | DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X80

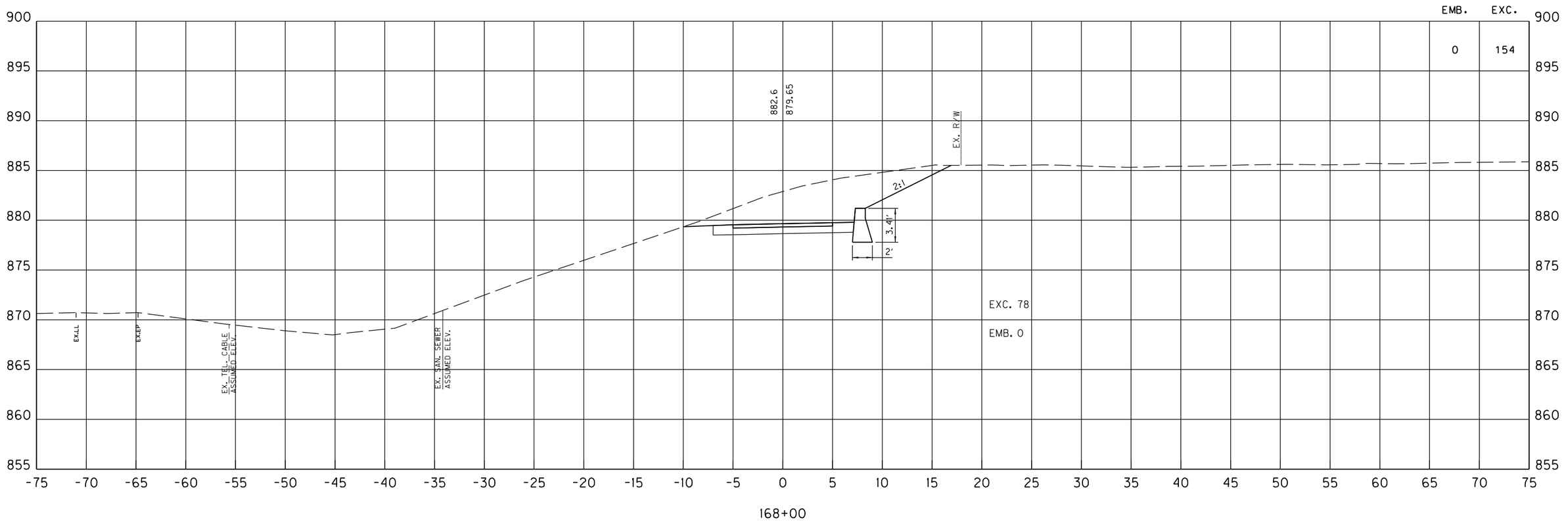


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 167+50 TO STA. 167+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X81

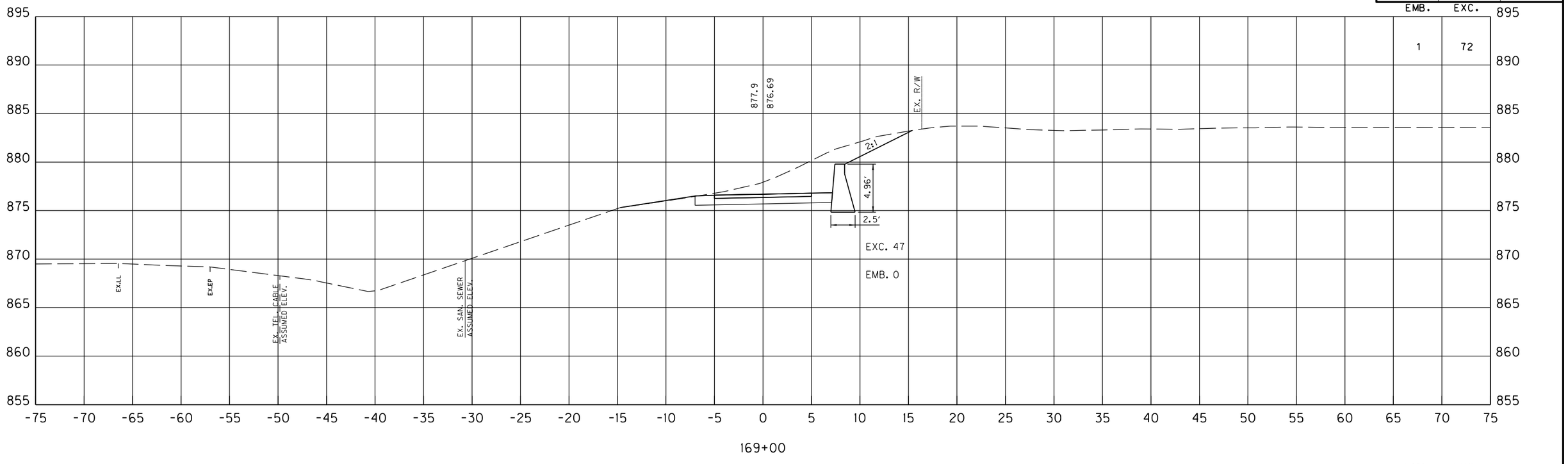


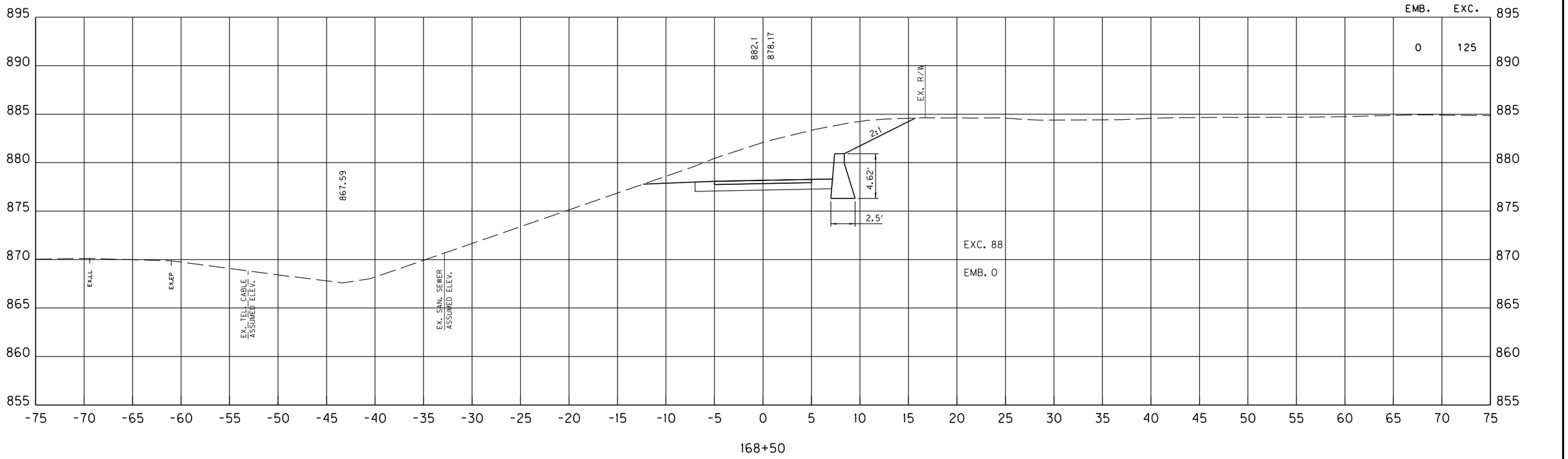
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 168+00 TO STA. 168+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X82





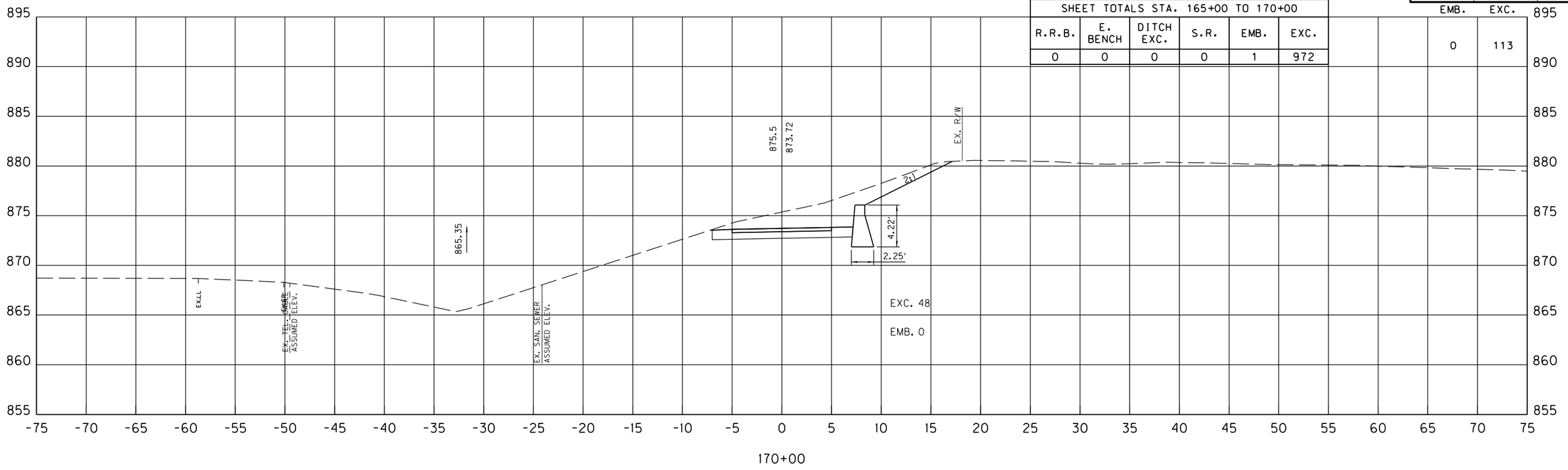
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

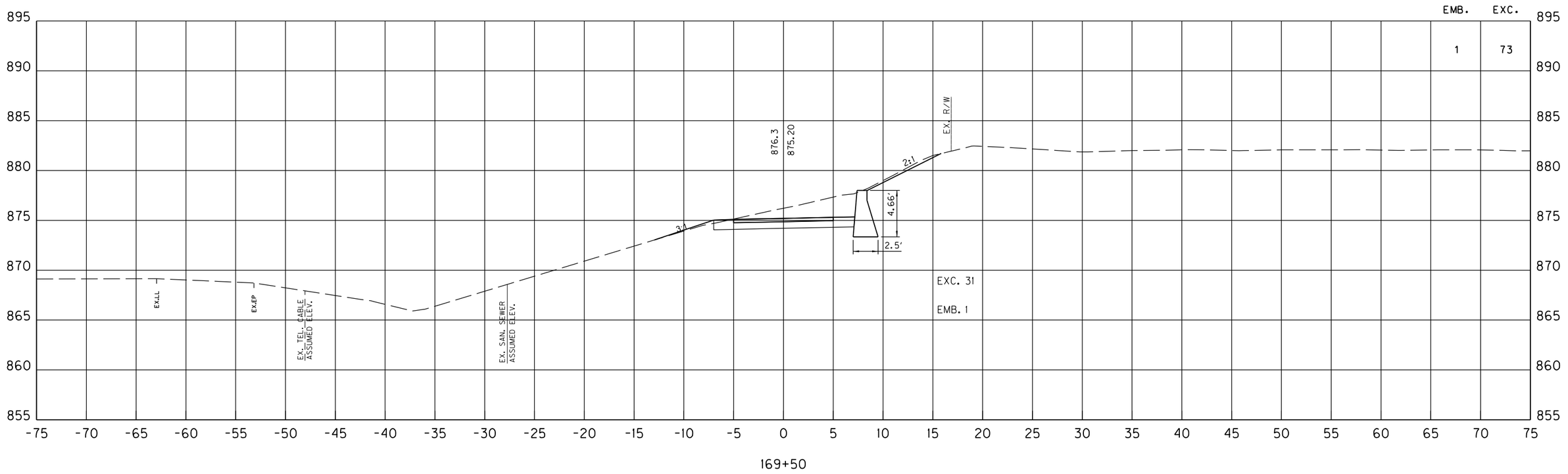
KY 237 MUP
STA. 168+50 TO STA. 169+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X83

SHEET TOTALS STA. 165+00 TO 170+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1	972



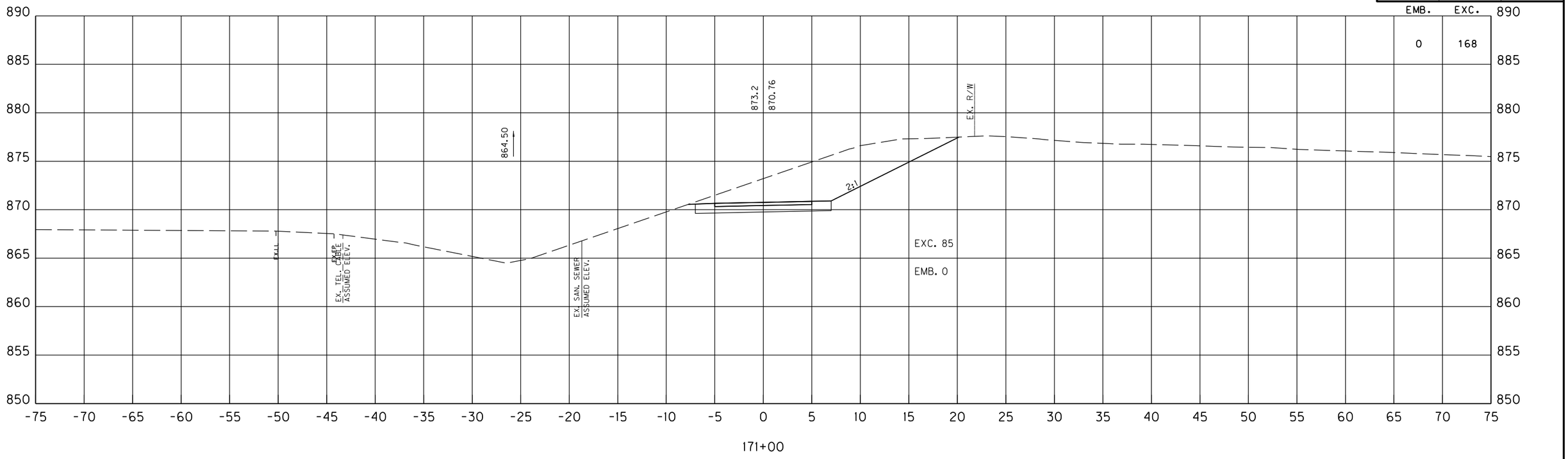


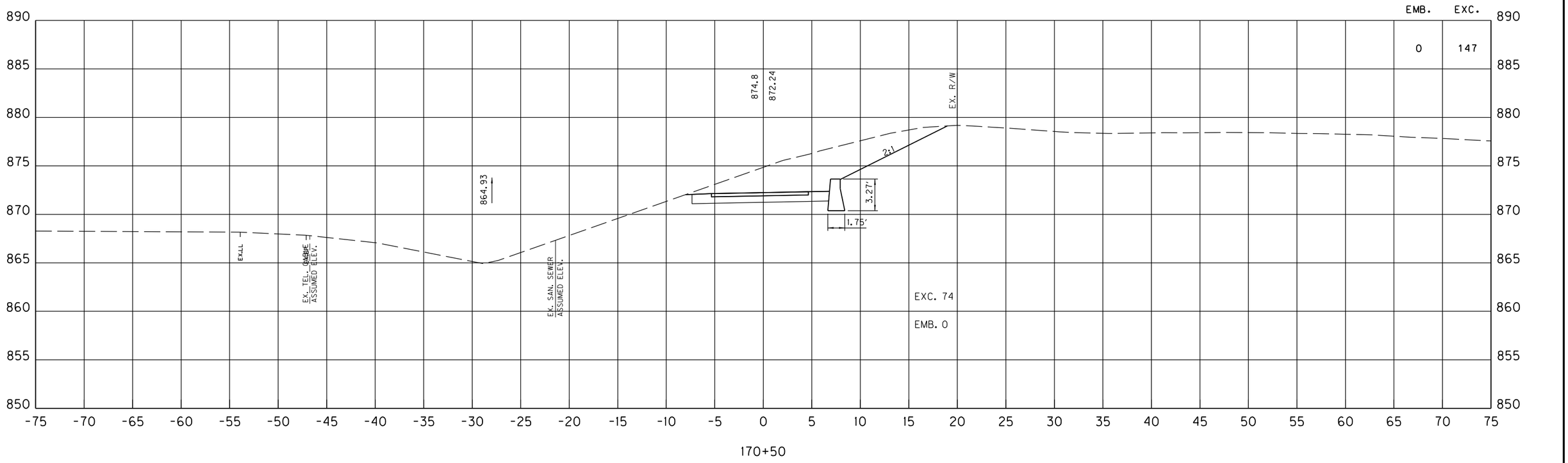
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 169+50 TO STA. 170+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X84



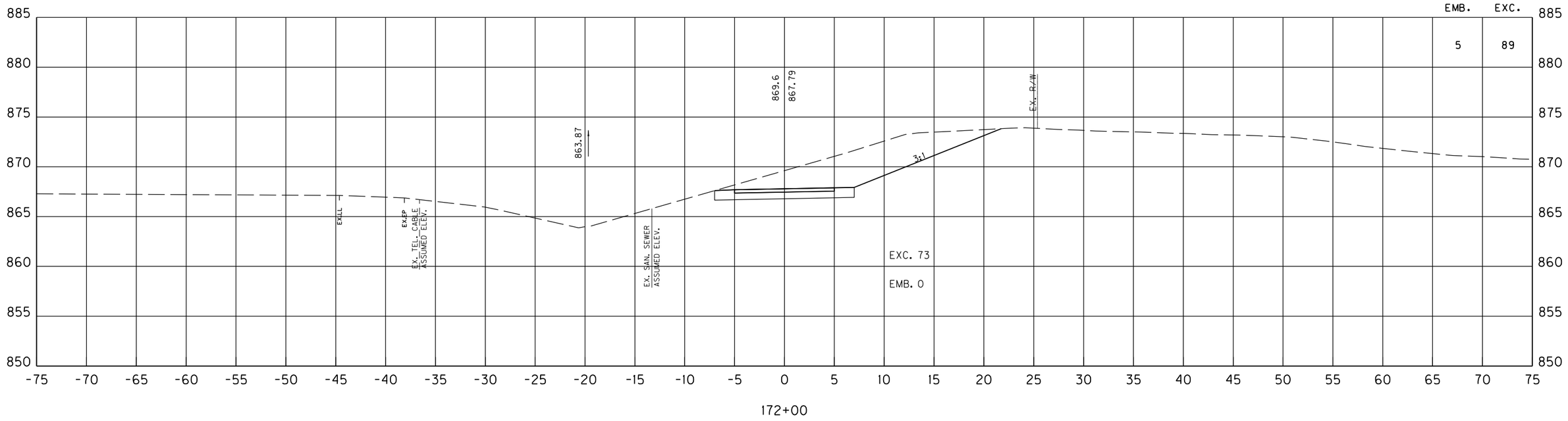


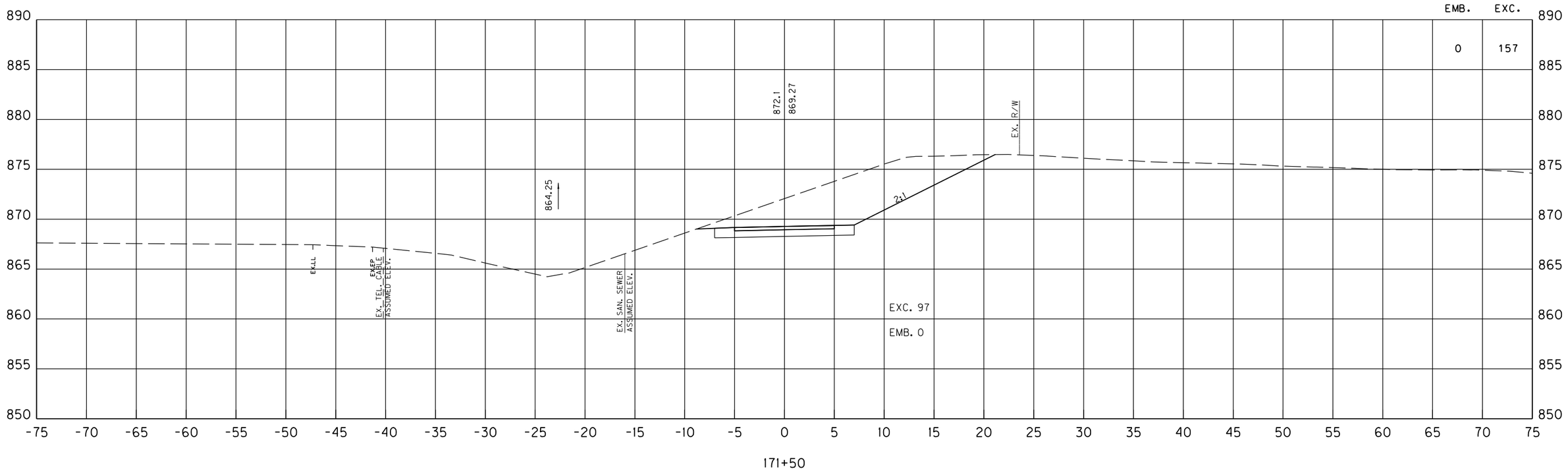
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 170+50 TO STA. 171+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X85



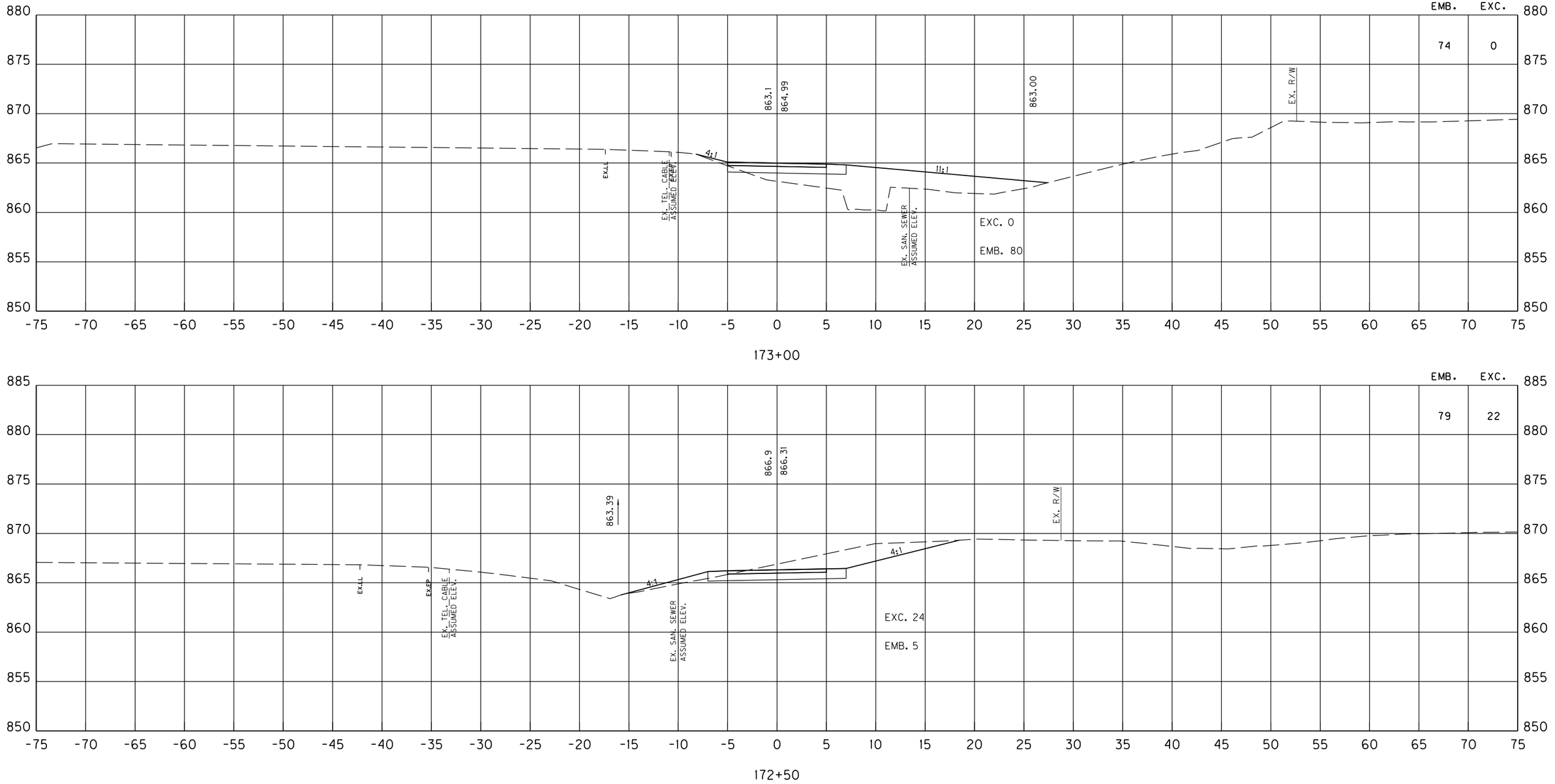


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 171+50 TO STA. 172+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X86

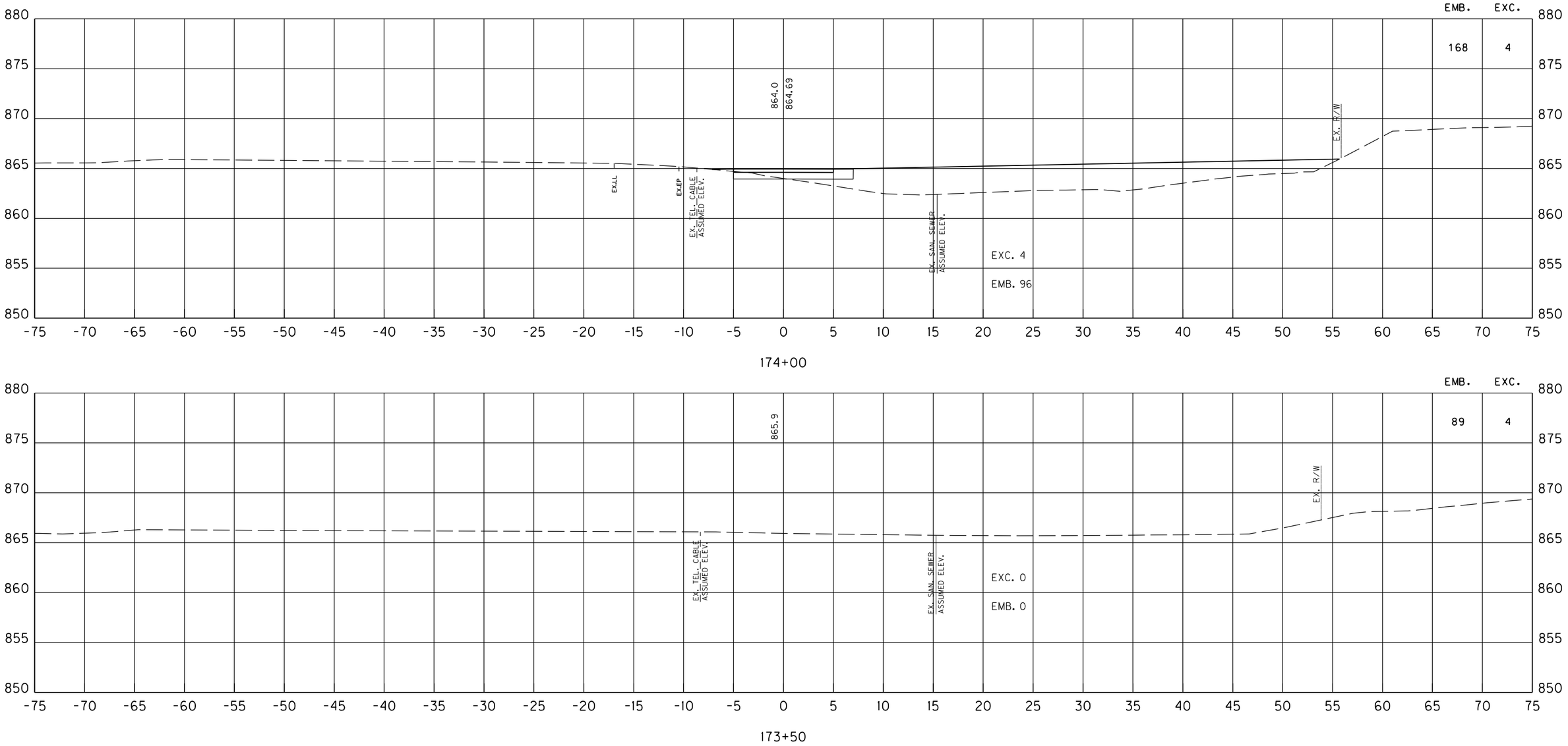


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 172+50 TO STA. 173+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: josh-c
DATE PLOTTED: April 30, 2021
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X87



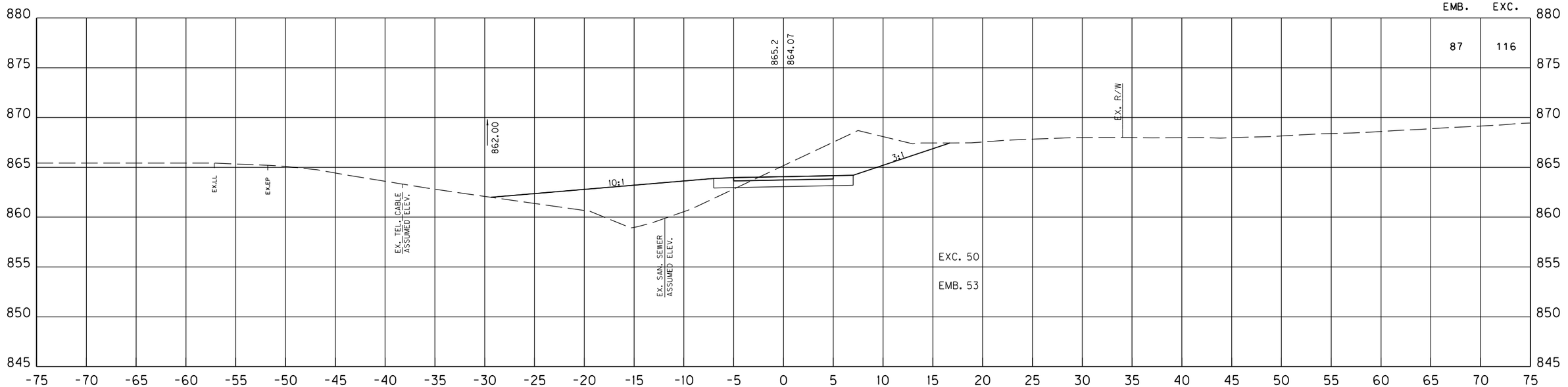
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 173+50 TO STA. 174+00
MAINLINE CROSS SECTIONS

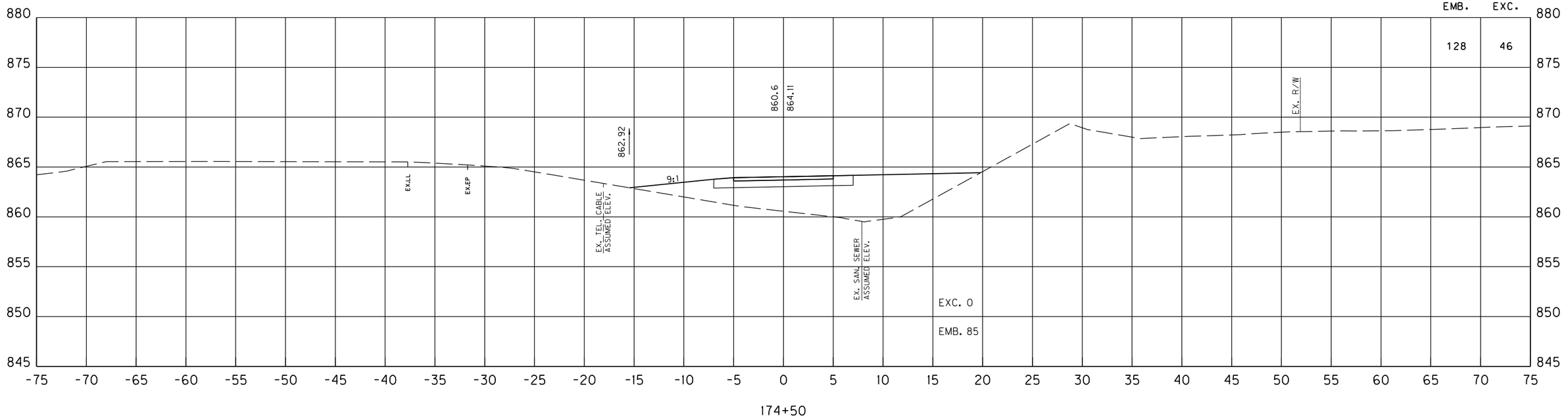
FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X88

SHEET TOTALS STA. 170+00 TO 175+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	542	750



175+00



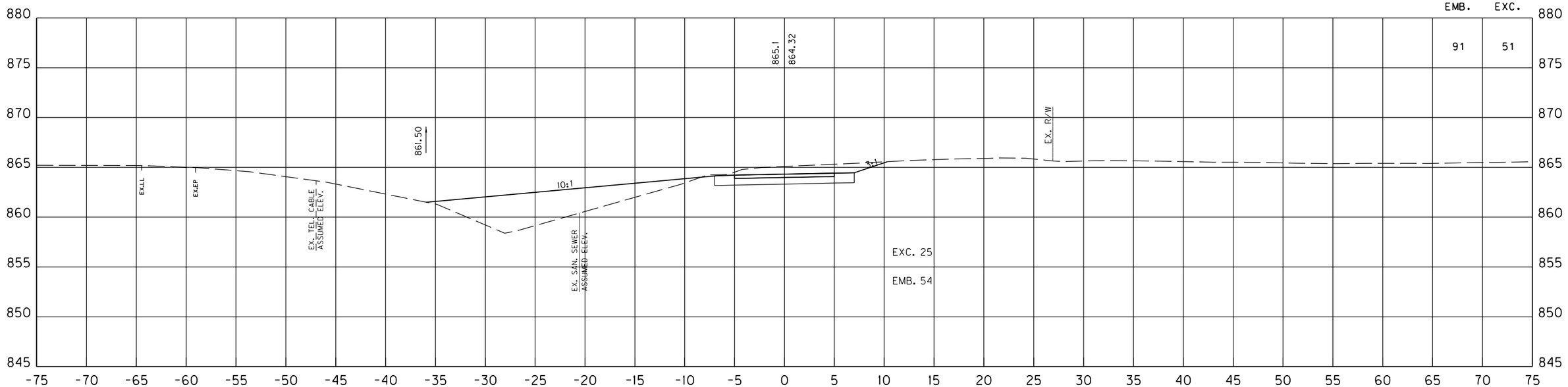
174+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

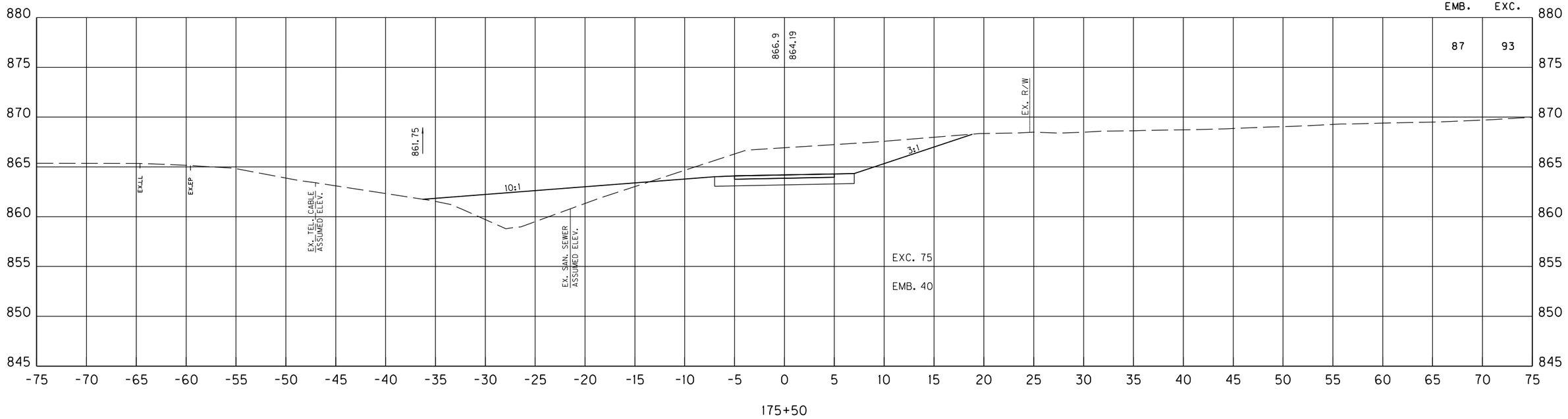
KY 237 MUP
STA. 174+50 TO STA. 175+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X89



176+00



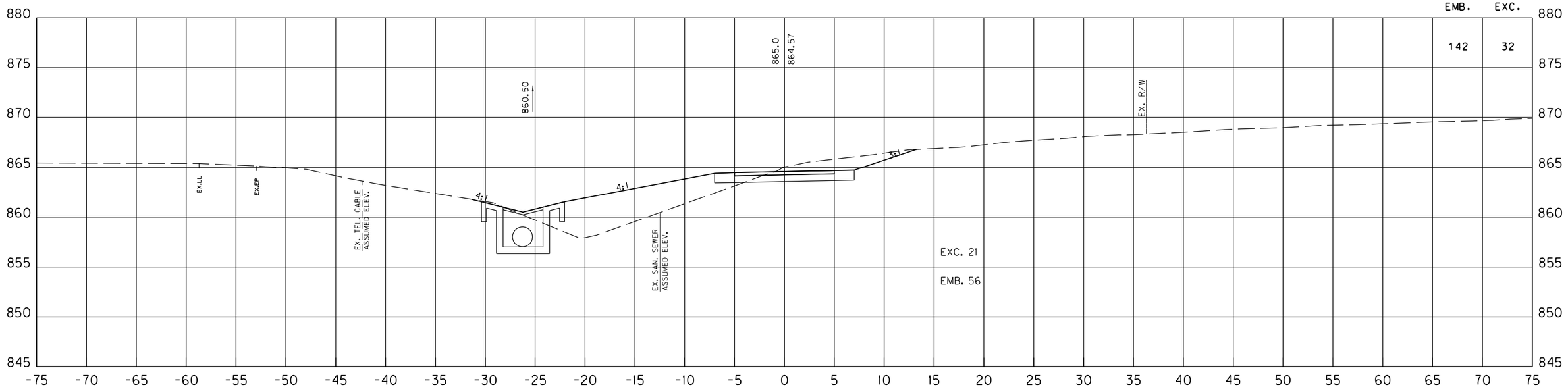
175+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

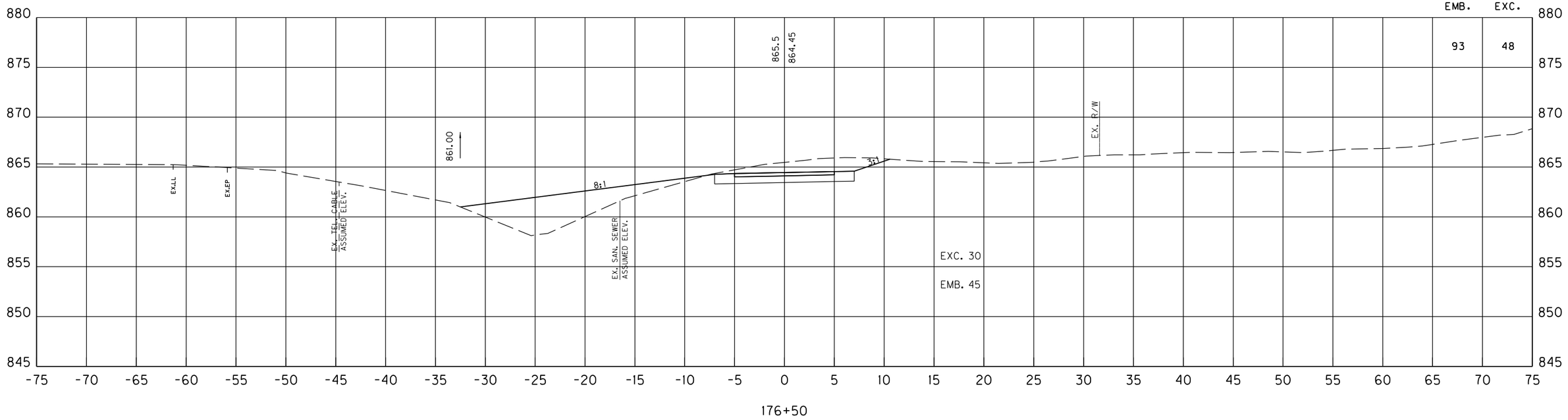
KY 237 MUP
STA. 175+50 TO STA. 176+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X90



177+00



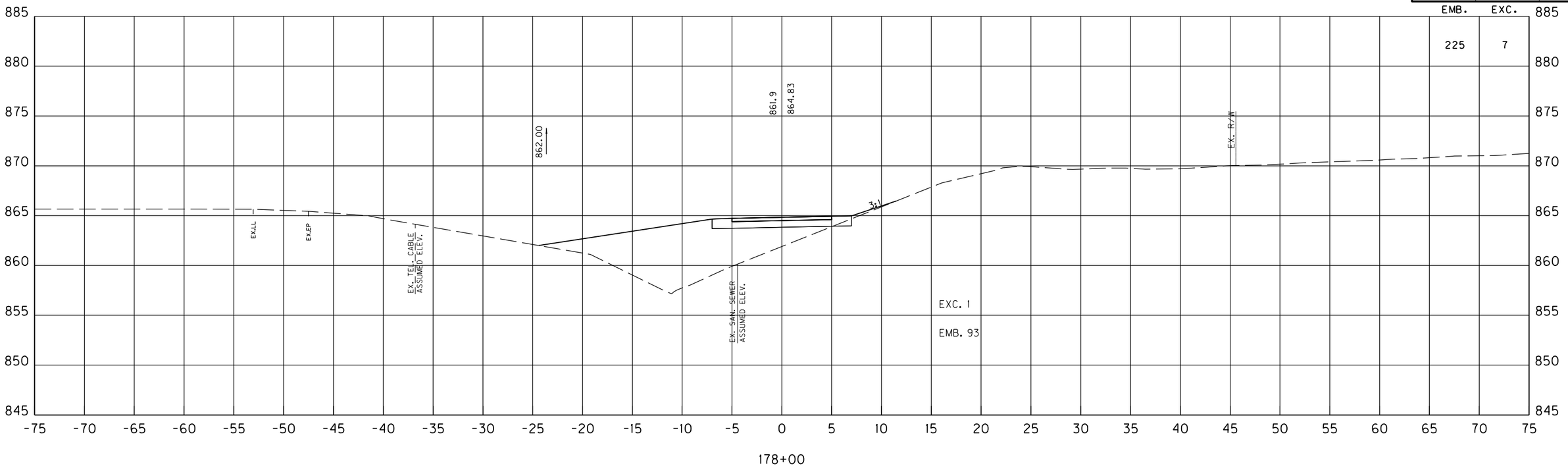
176+50

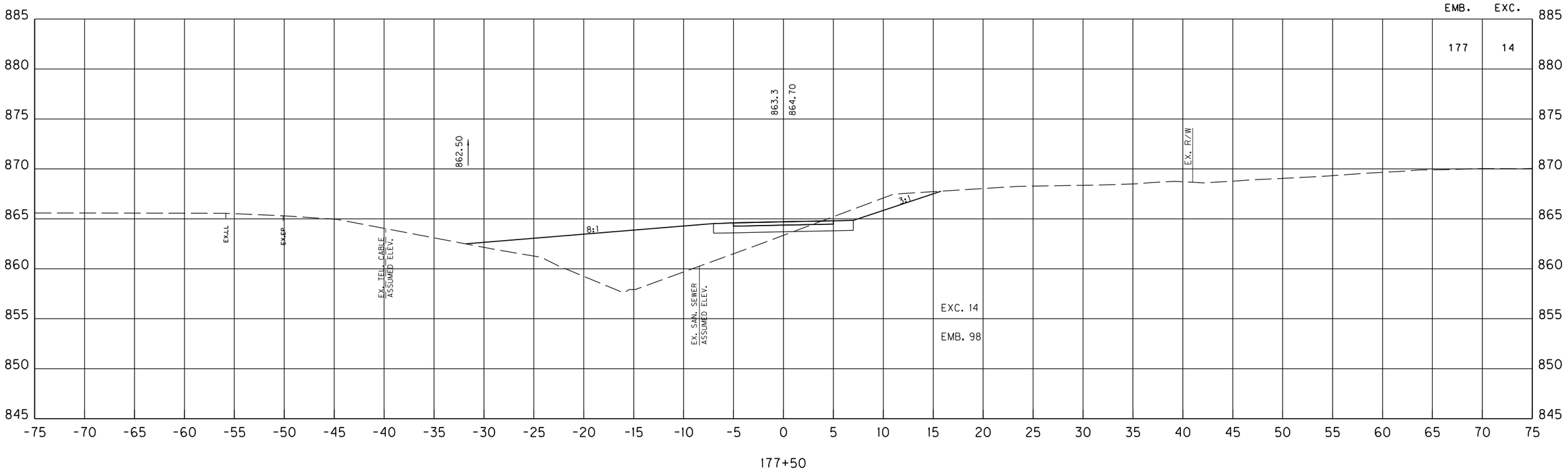
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 176+50 TO STA. 177+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X91



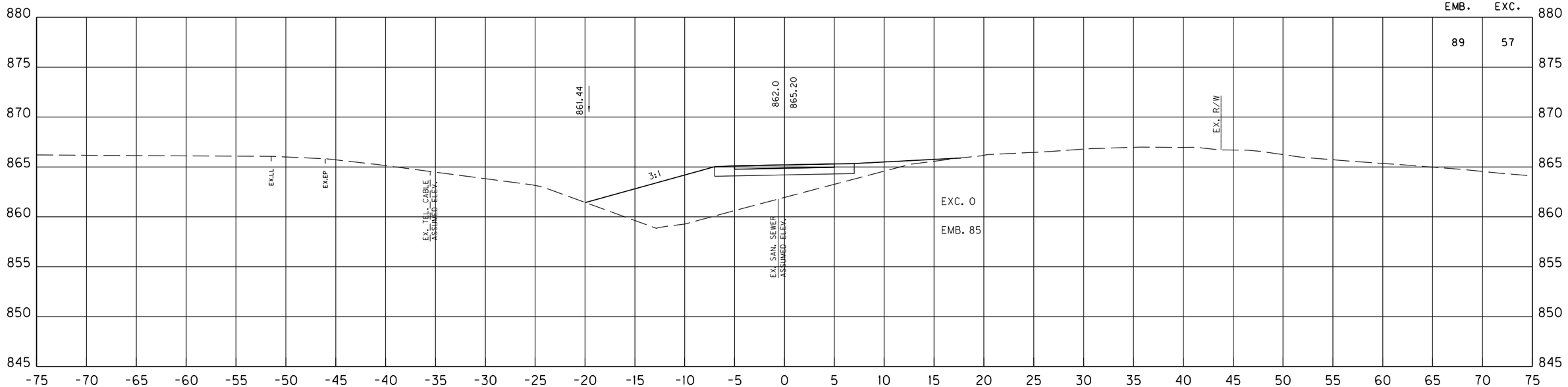


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

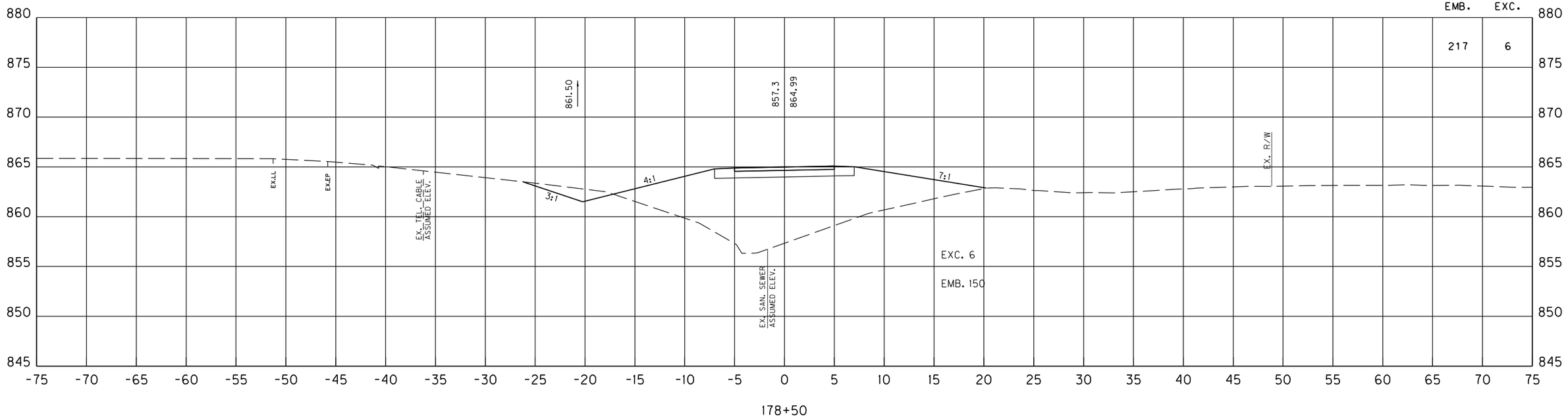
KY 237 MUP
STA. 177+50 TO STA. 178+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X92



179+00



178+50

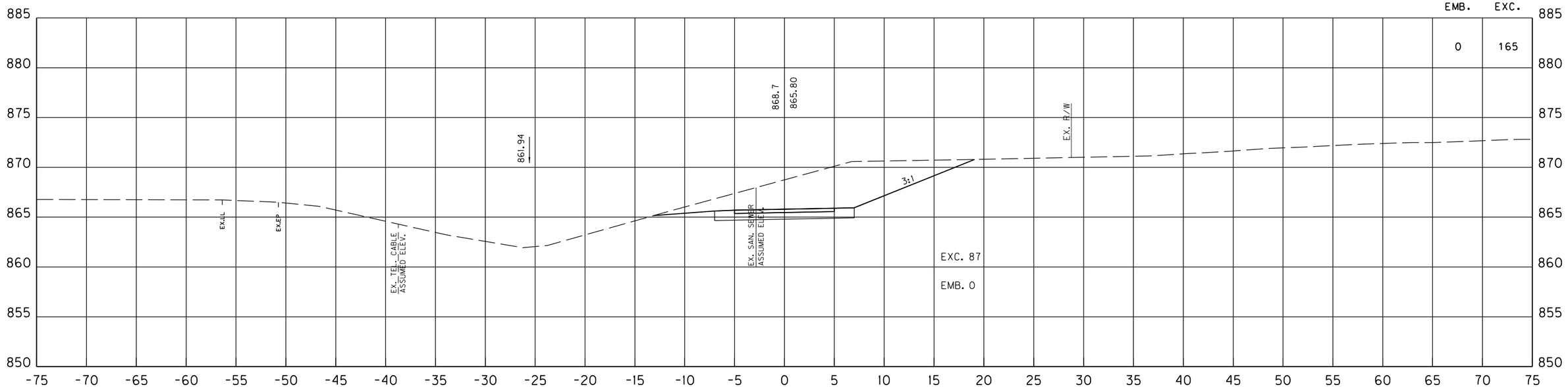
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 178+50 TO STA. 179+00
MAINLINE CROSS SECTIONS

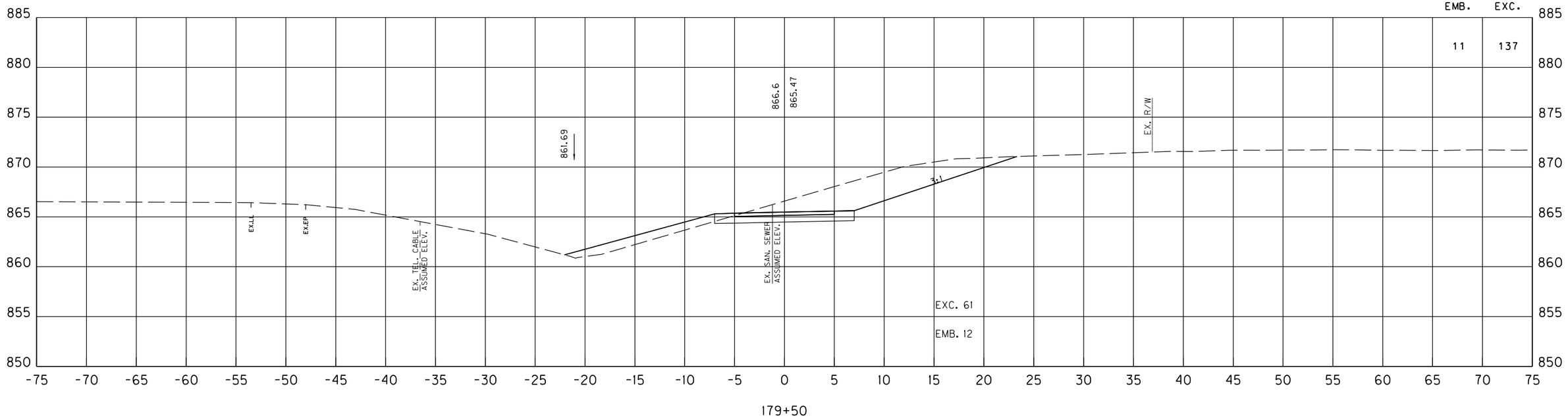
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X93

SHEET TOTALS STA. 175+00 TO 180+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1221	560



180+00



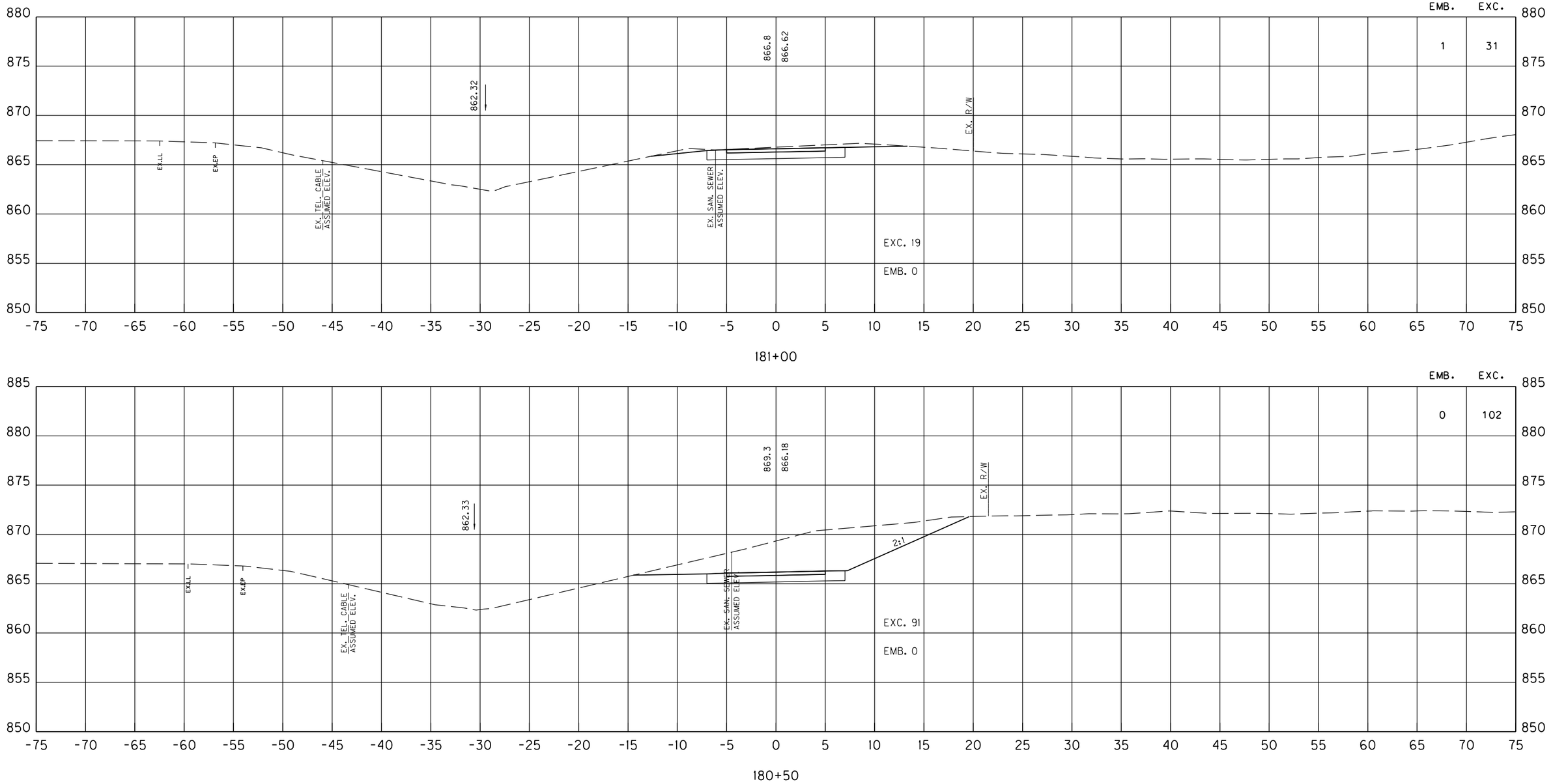
179+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 179+50 TO STA. 180+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X94

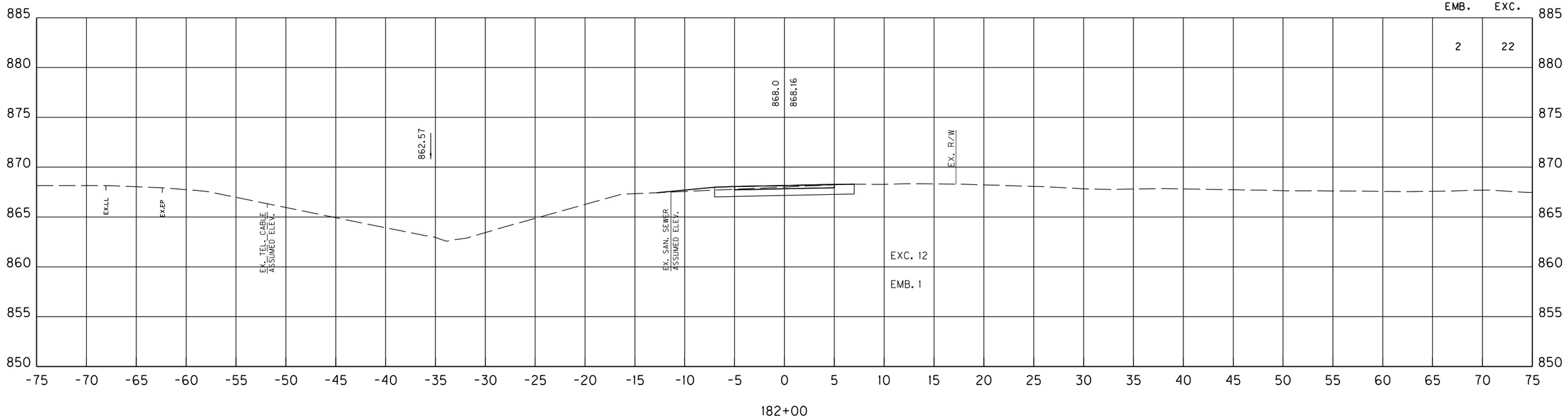


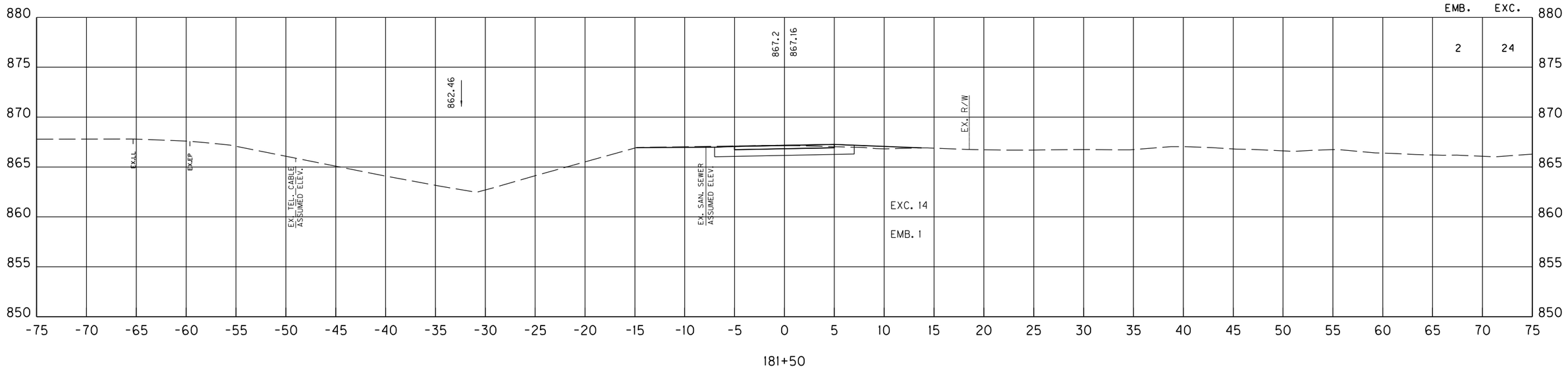
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 180+50 TO STA. 181+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X95



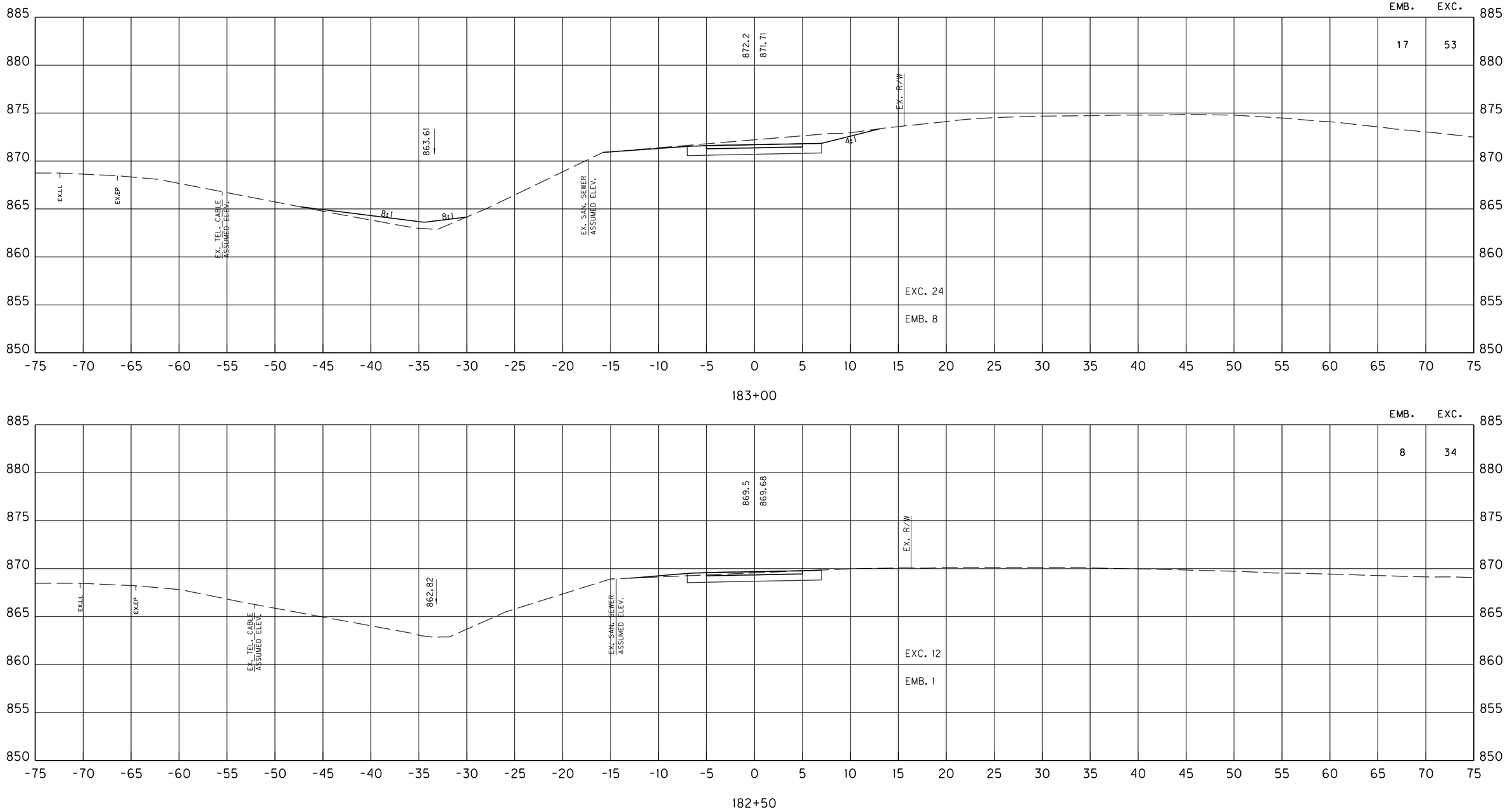


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 181+50 TO STA. 182+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X96

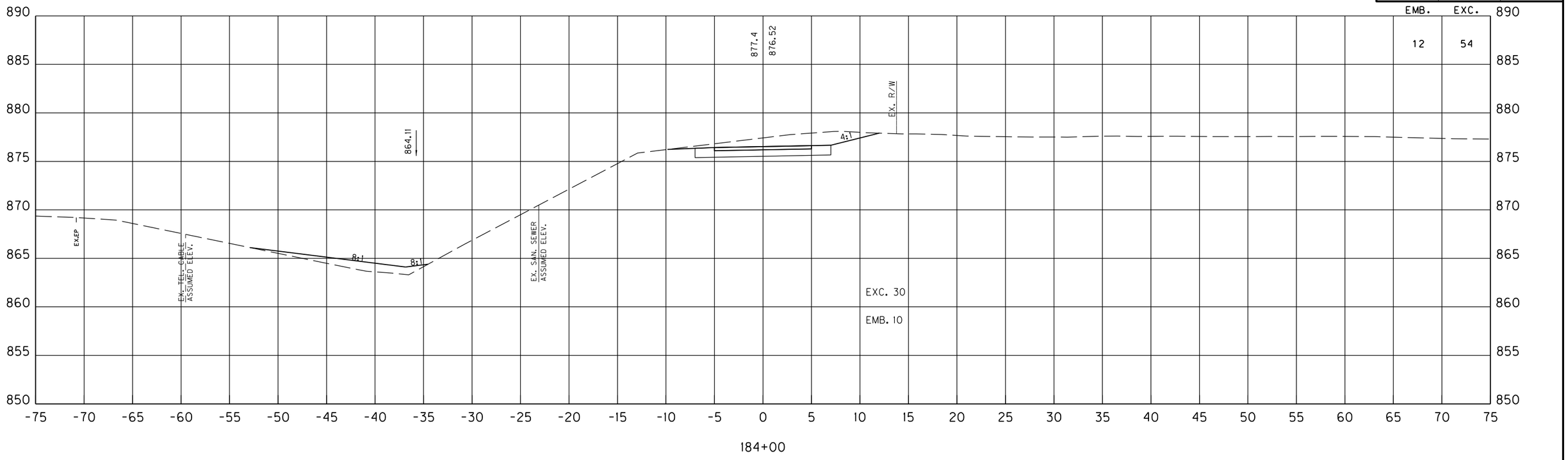


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

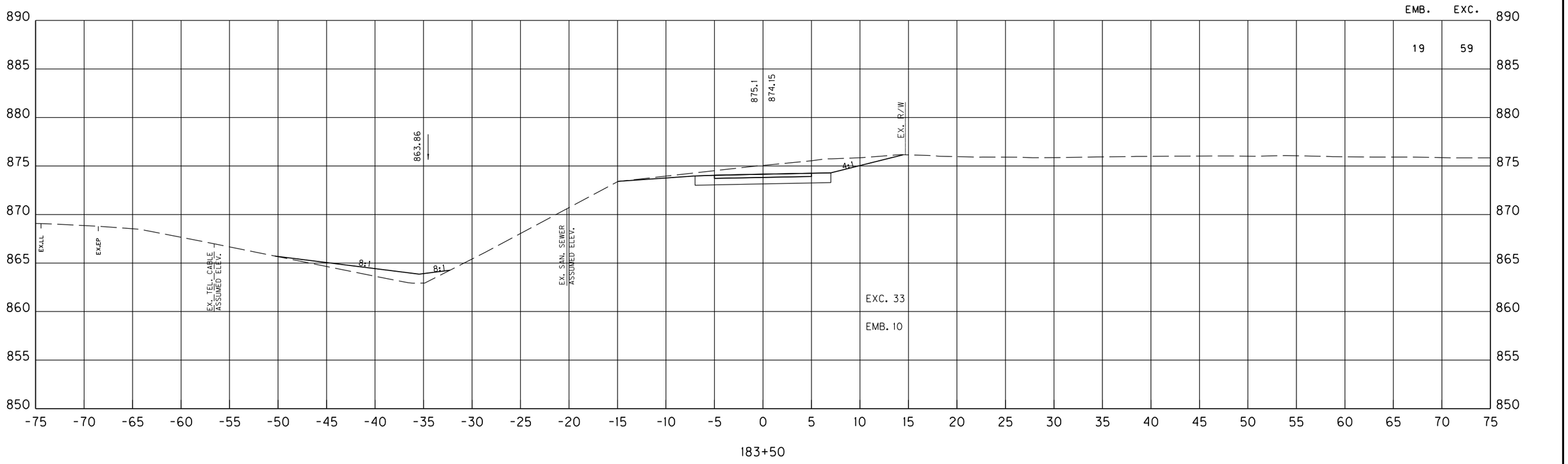
KY 237 MUP
STA. 182+50 TO STA. 183+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X97



184+00



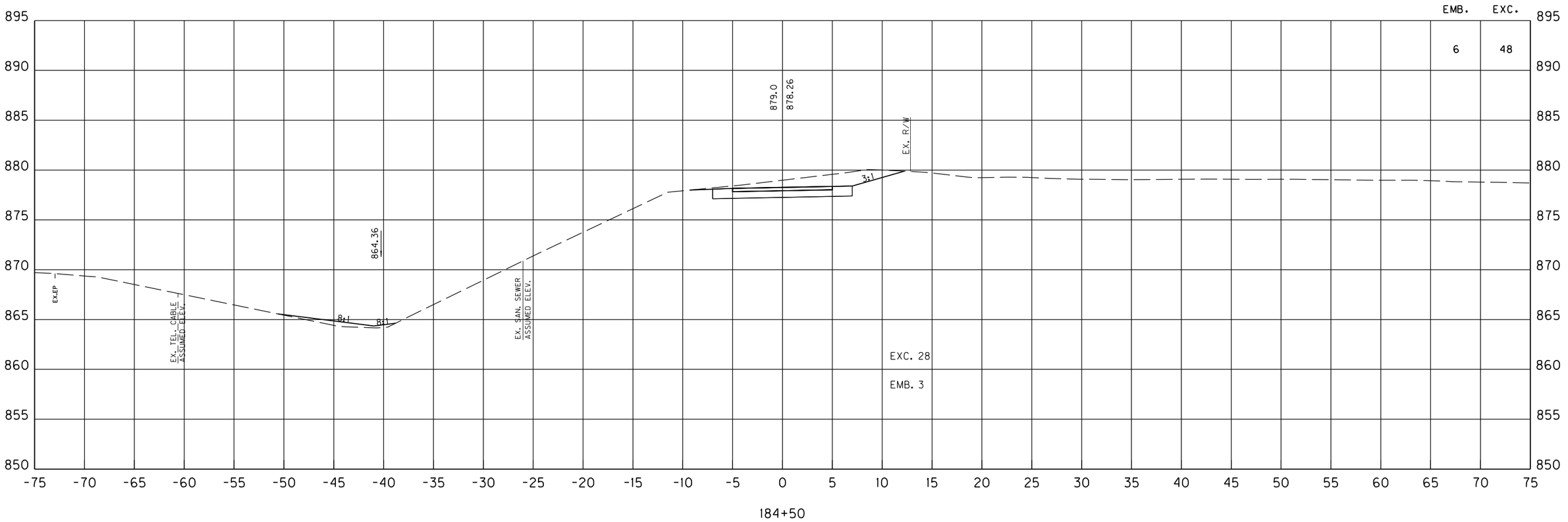
183+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 183+50 TO STA. 184+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X98



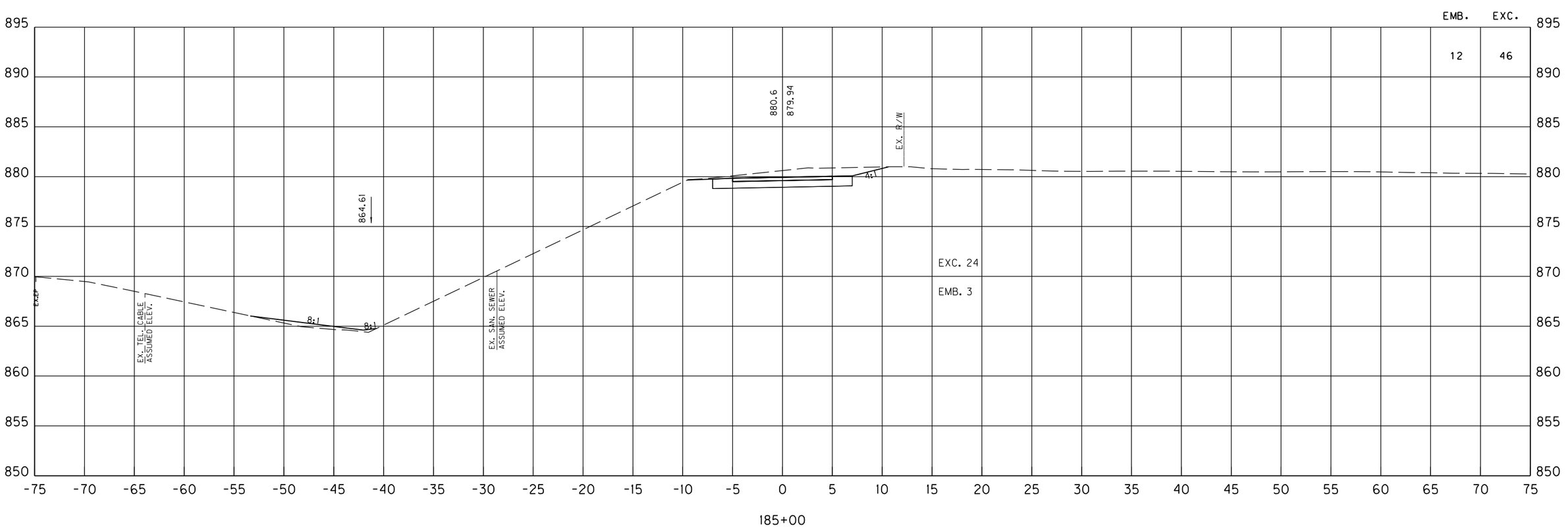
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 184+50 TO STA. 184+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet | DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X99

SHEET TOTALS STA. 180+00 TO 185+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	66	592

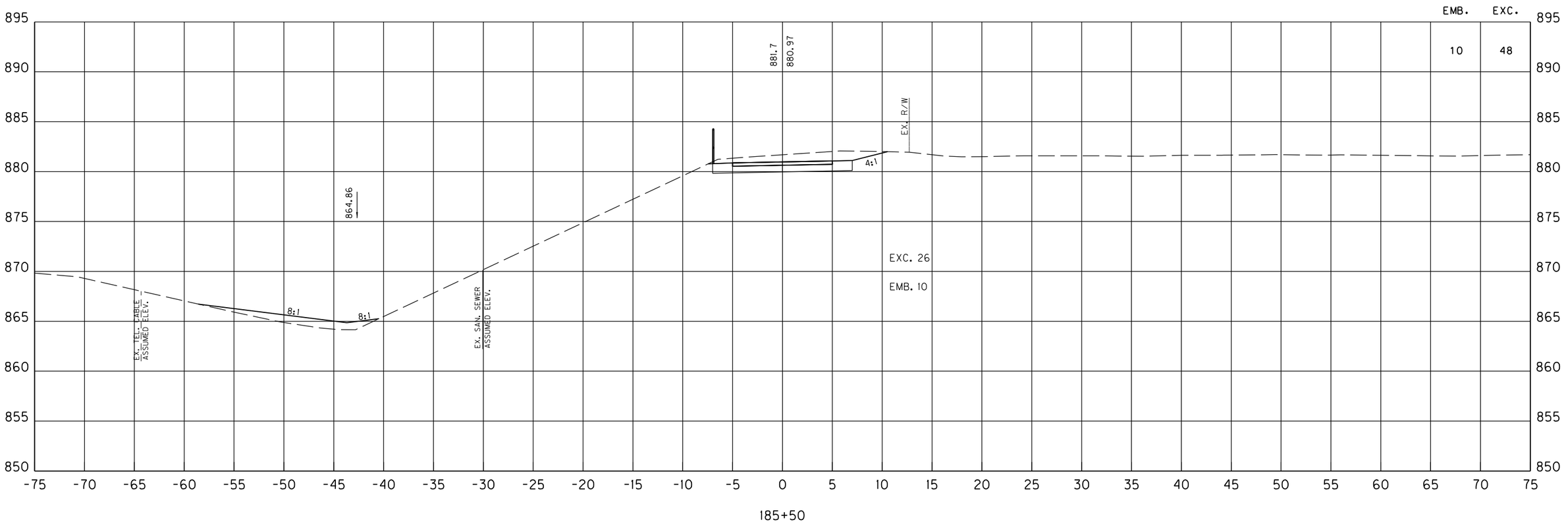


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 185+00 TO STA. 185+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X100

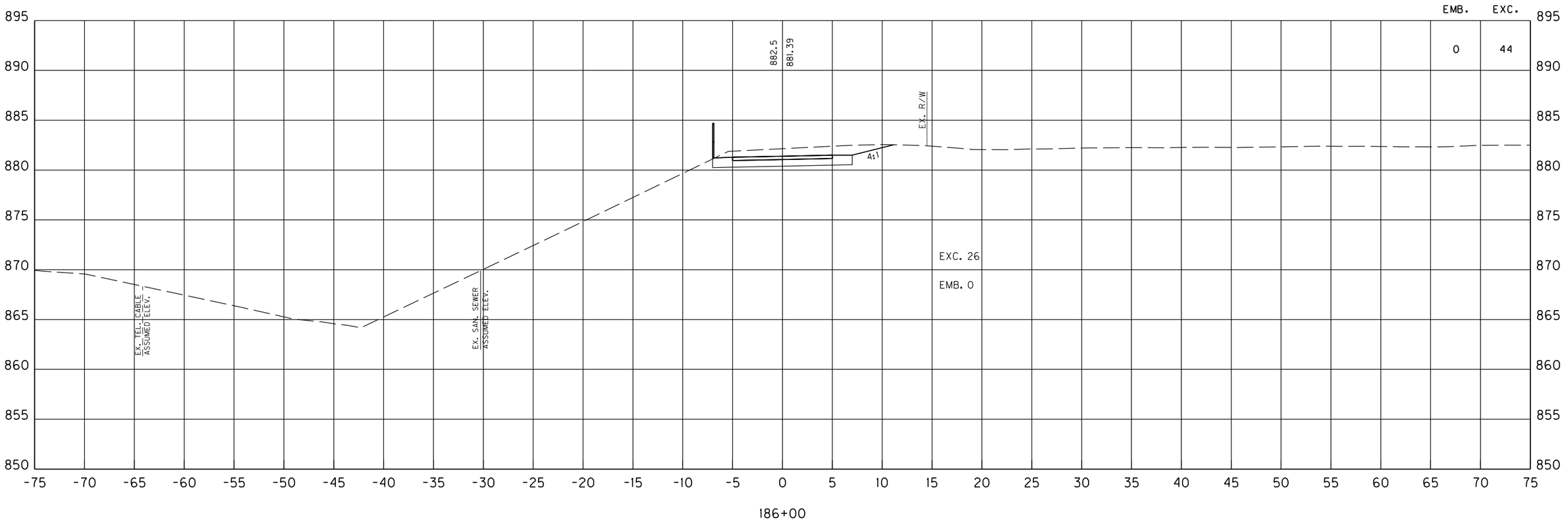


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 185+50 TO STA. 185+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X101

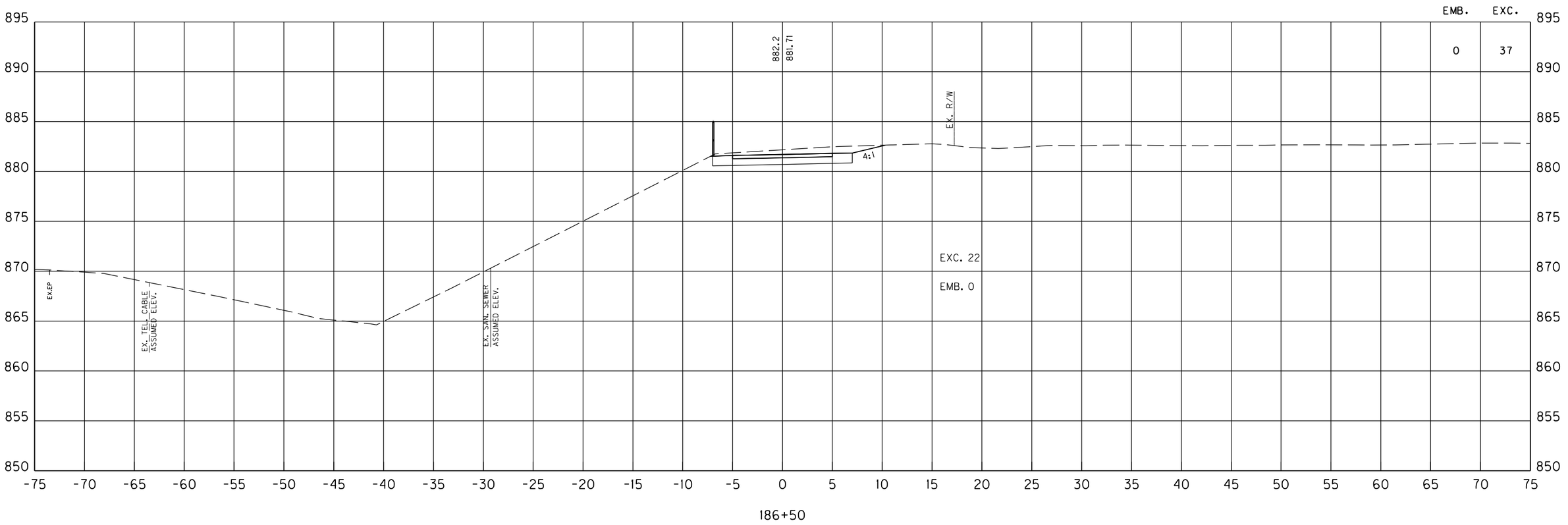


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 186+00 TO STA. 186+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X102



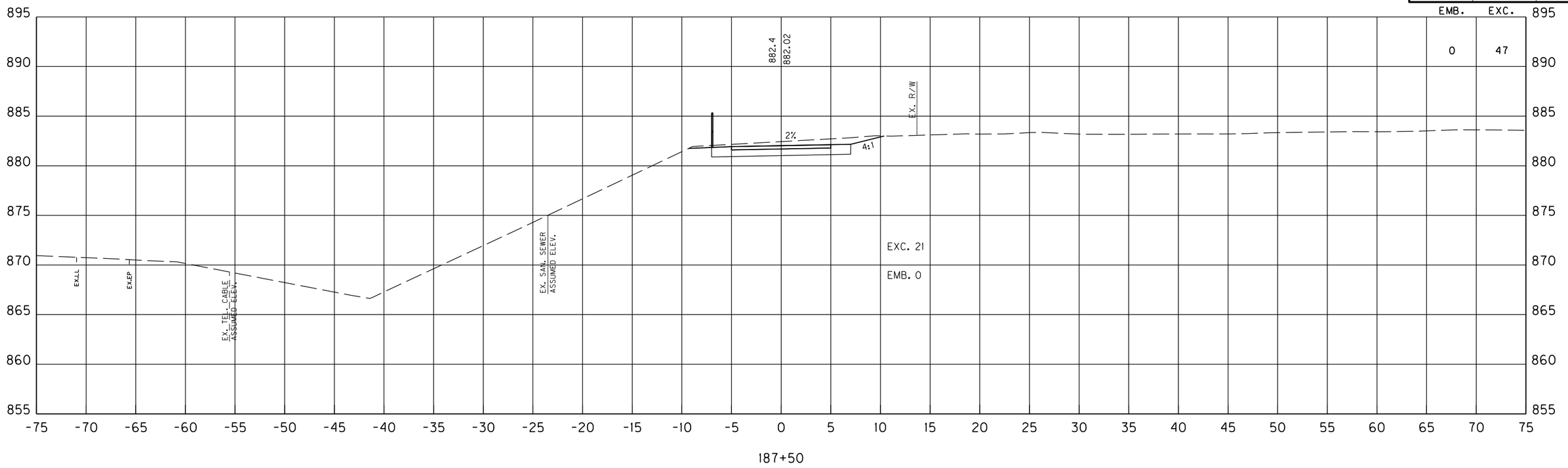
186+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

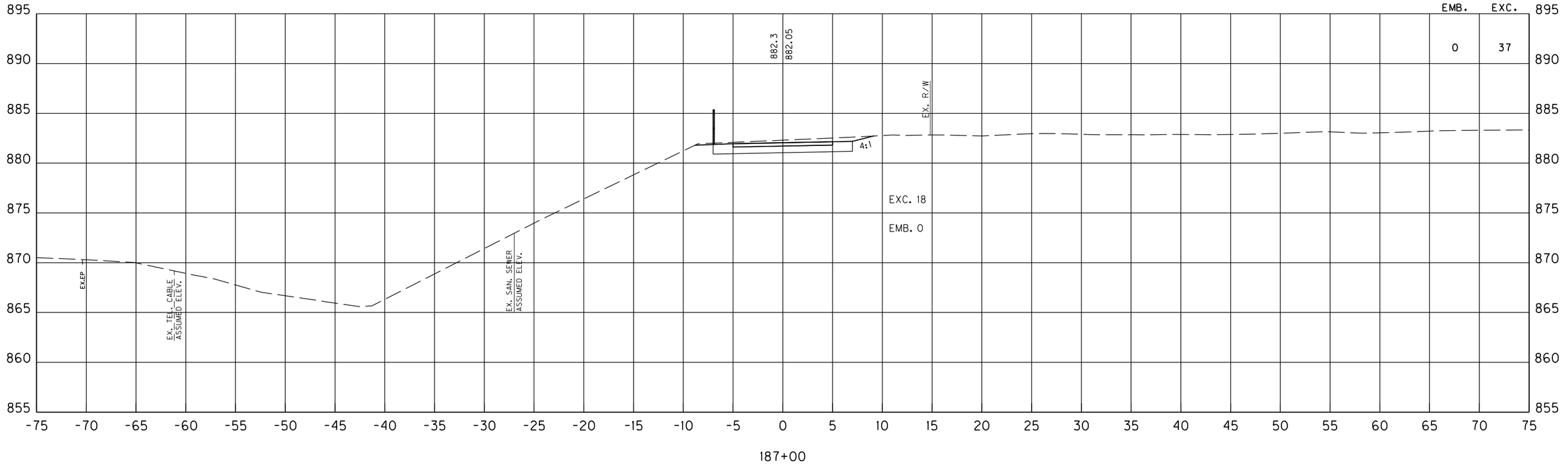
KY 237 MUP
STA. 186+50 TO STA. 186+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X103



187+50



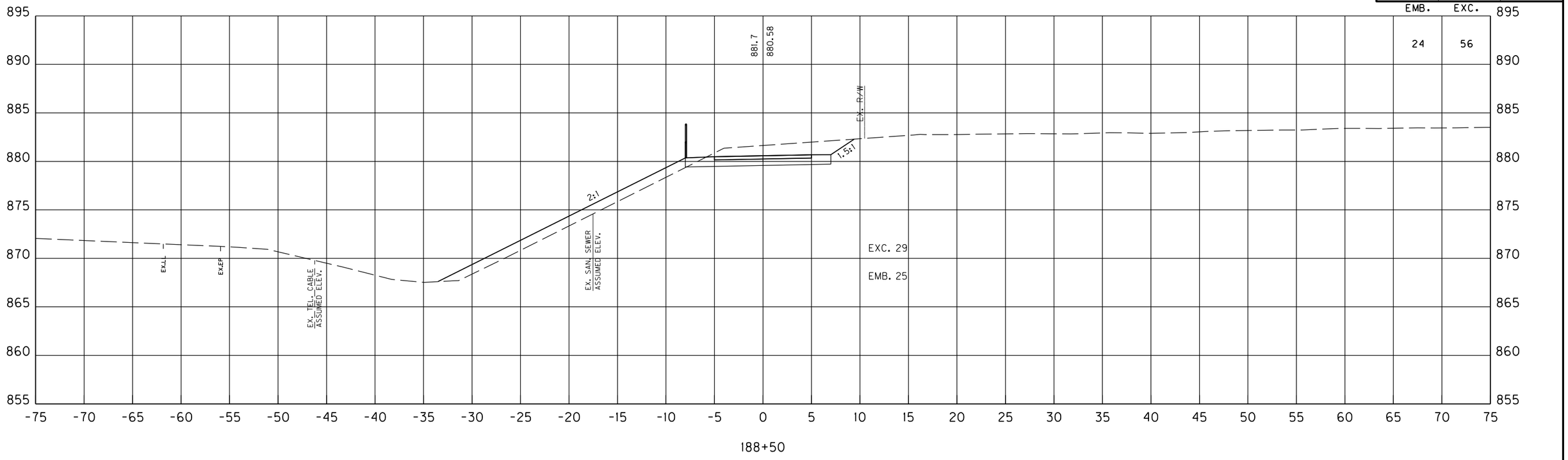
187+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

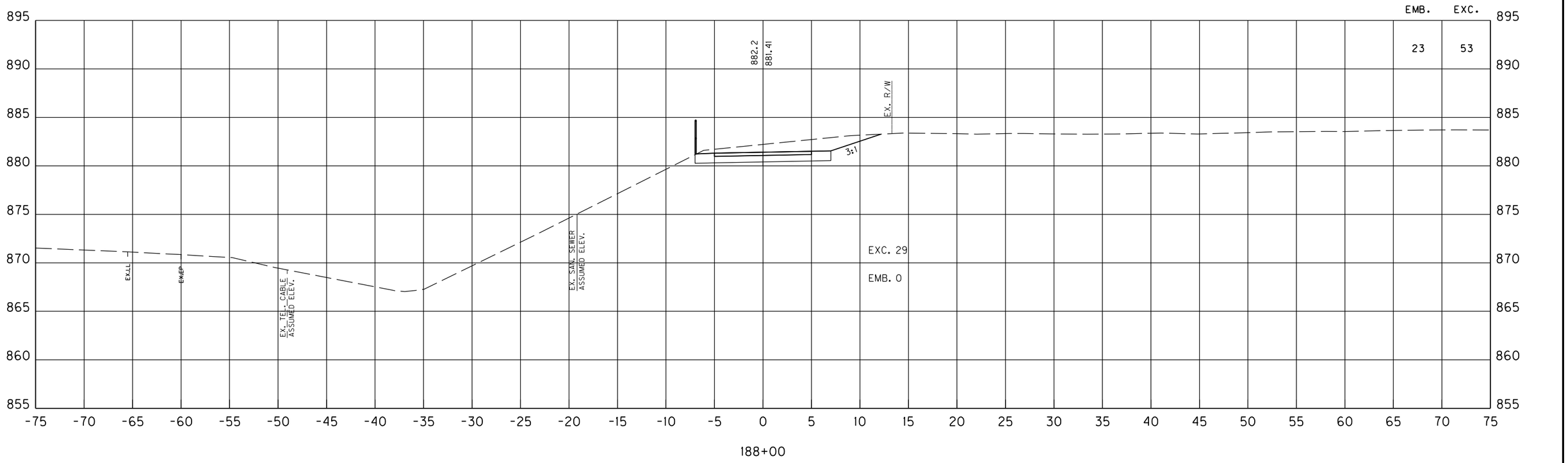
KY 237 MUP
STA. 187+00 TO STA. 187+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X104



188+50



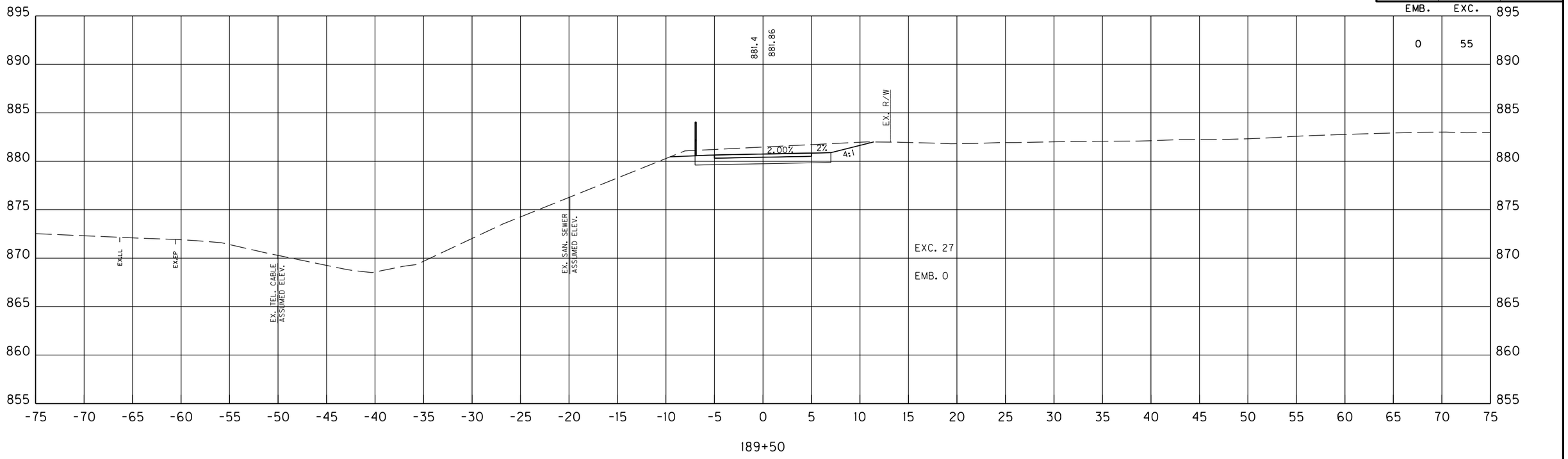
188+00

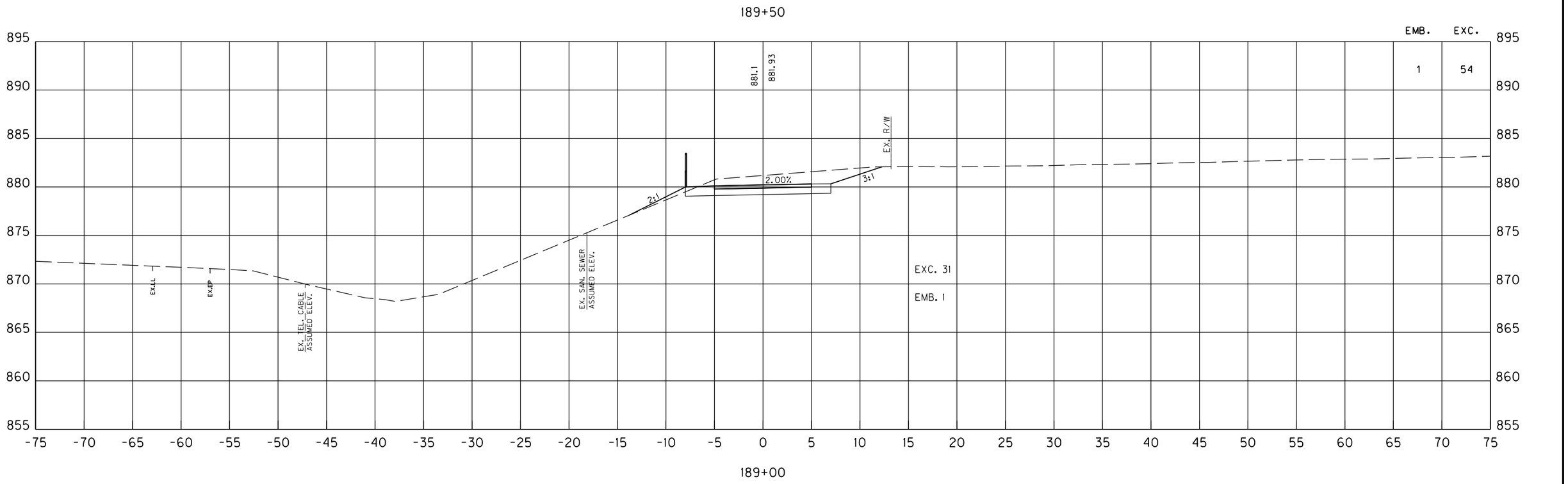
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 188+00 TO STA. 188+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X105





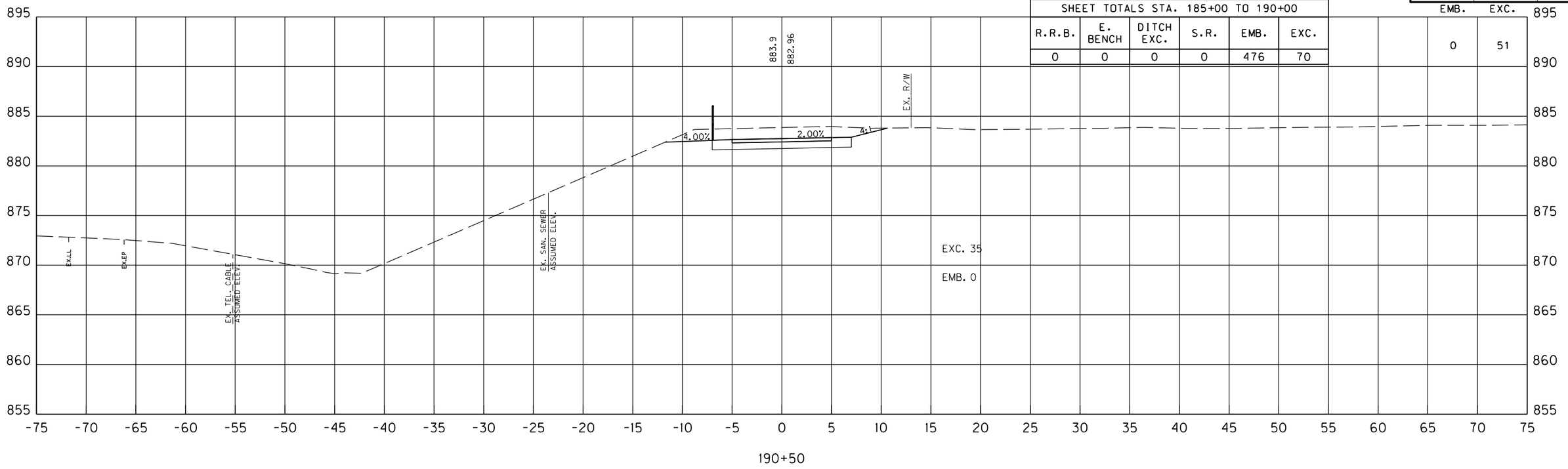
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

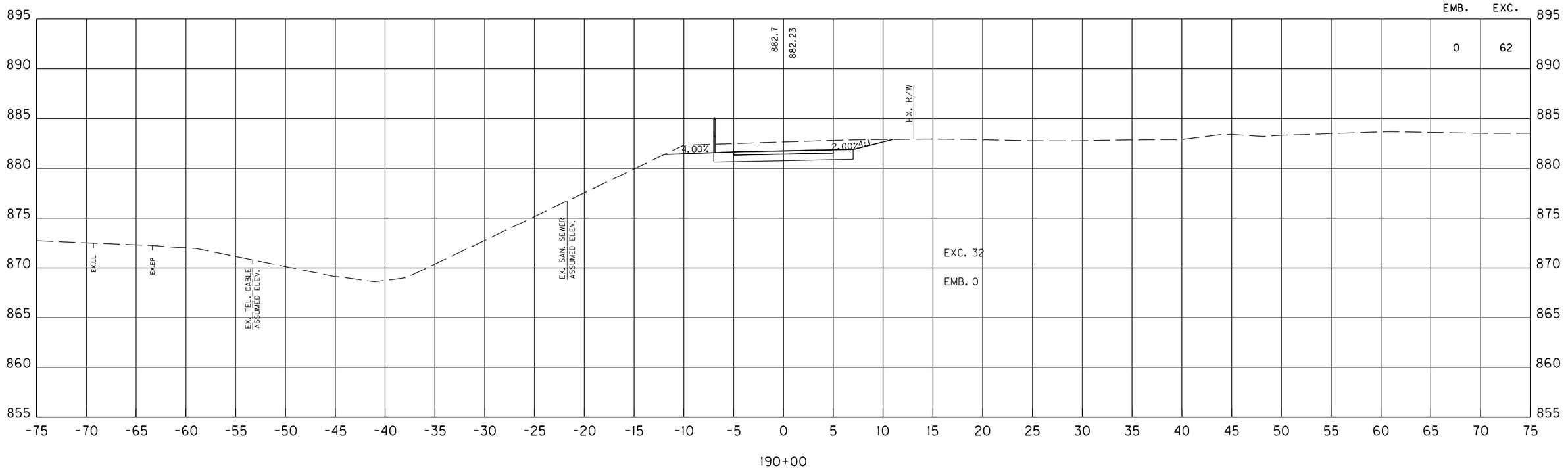
KY 237 MUP
STA. 189+00 TO STA. 189+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397
E-SHEET NAME:
USER: janet
DATE PLOTTED: October 29, 2020
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X106

SHEET TOTALS STA. 185+00 TO 190+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	476	70



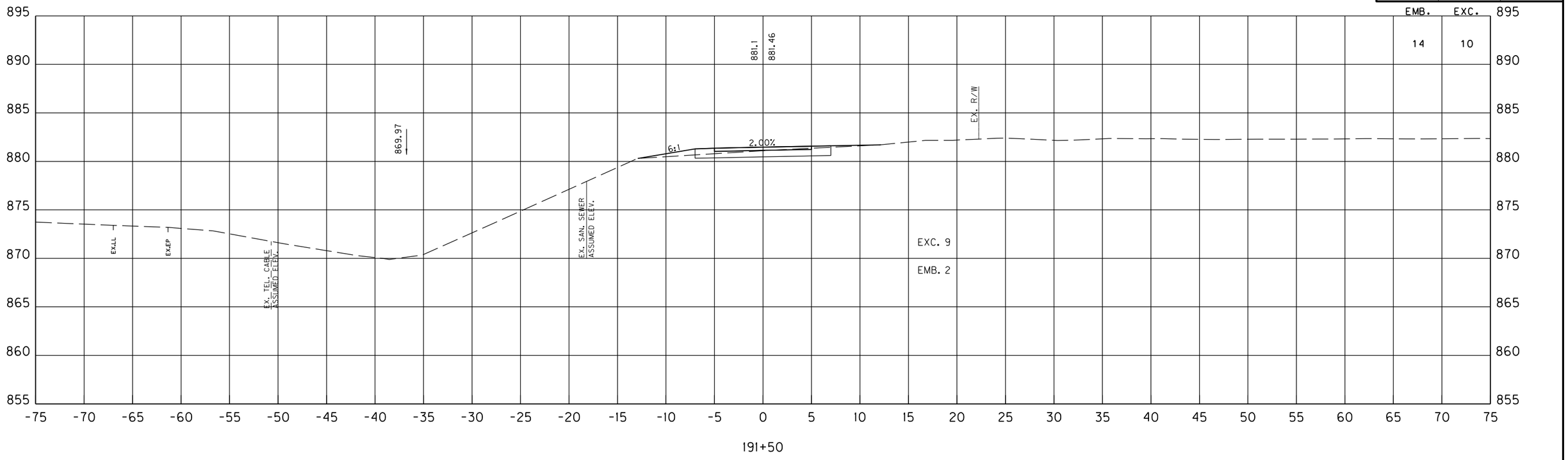


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

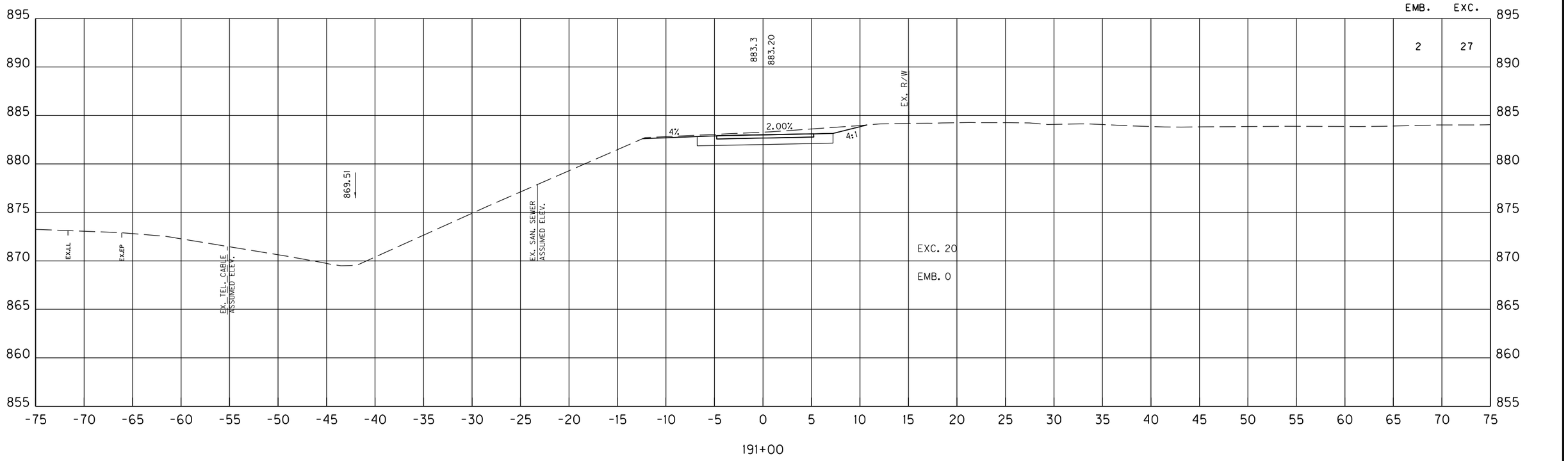
KY 237 MUP
STA. 190+00 TO STA. 190+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X107



191+50



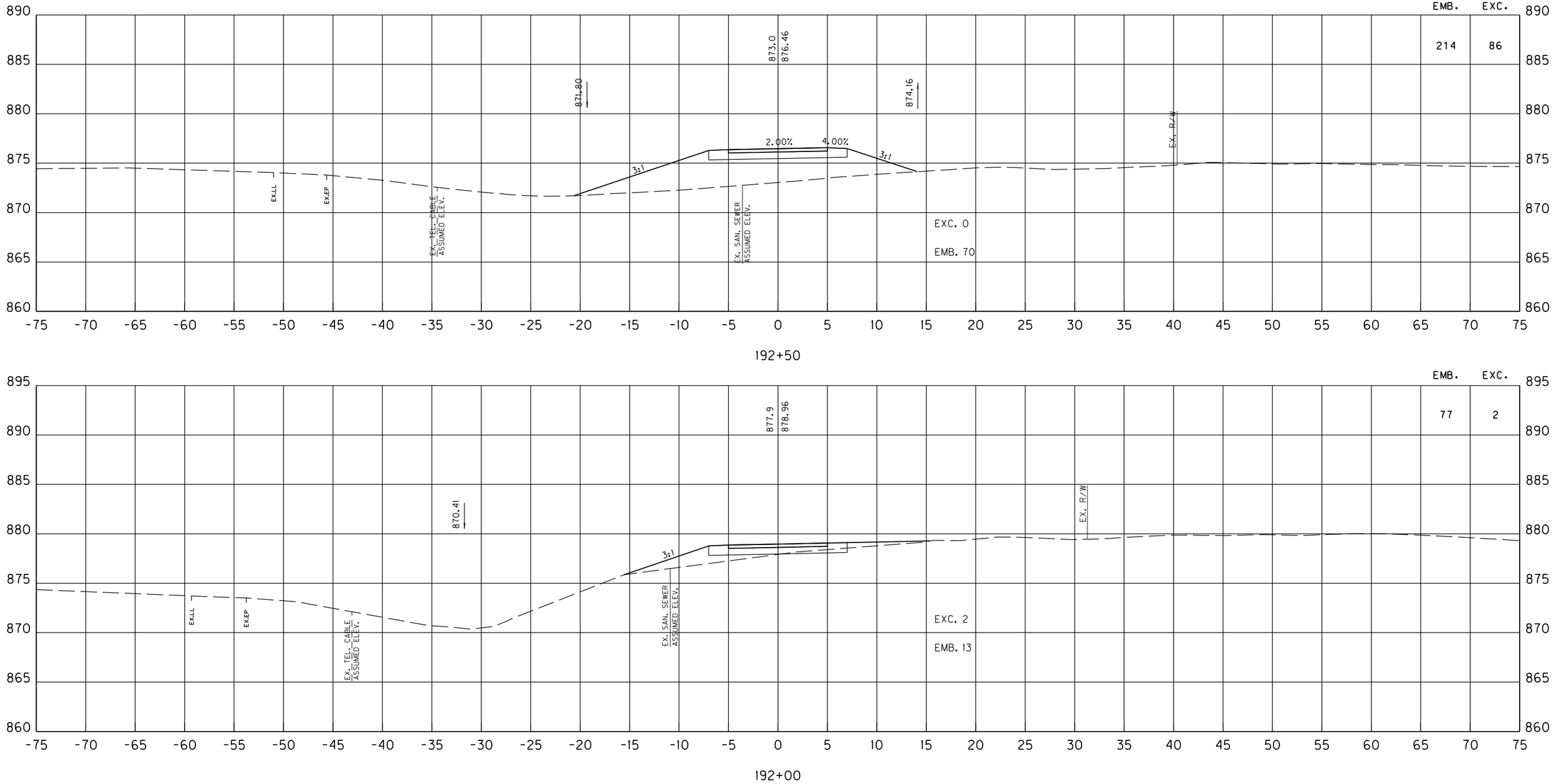
191+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 191+00 TO STA. 191+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X108

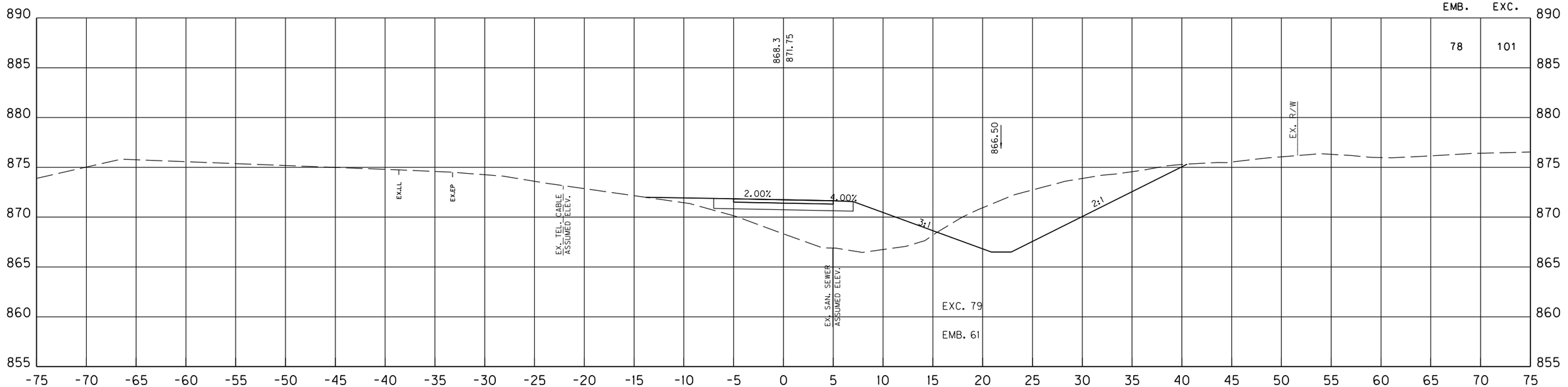


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

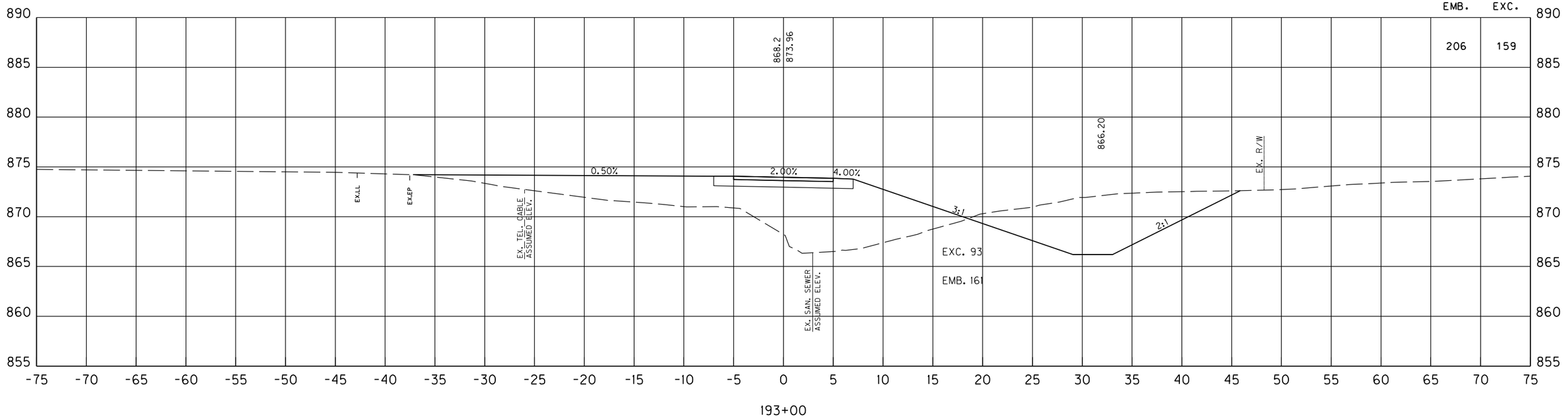
KY 237 MUP
STA. 192+00 TO STA. 192+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X109



193+50



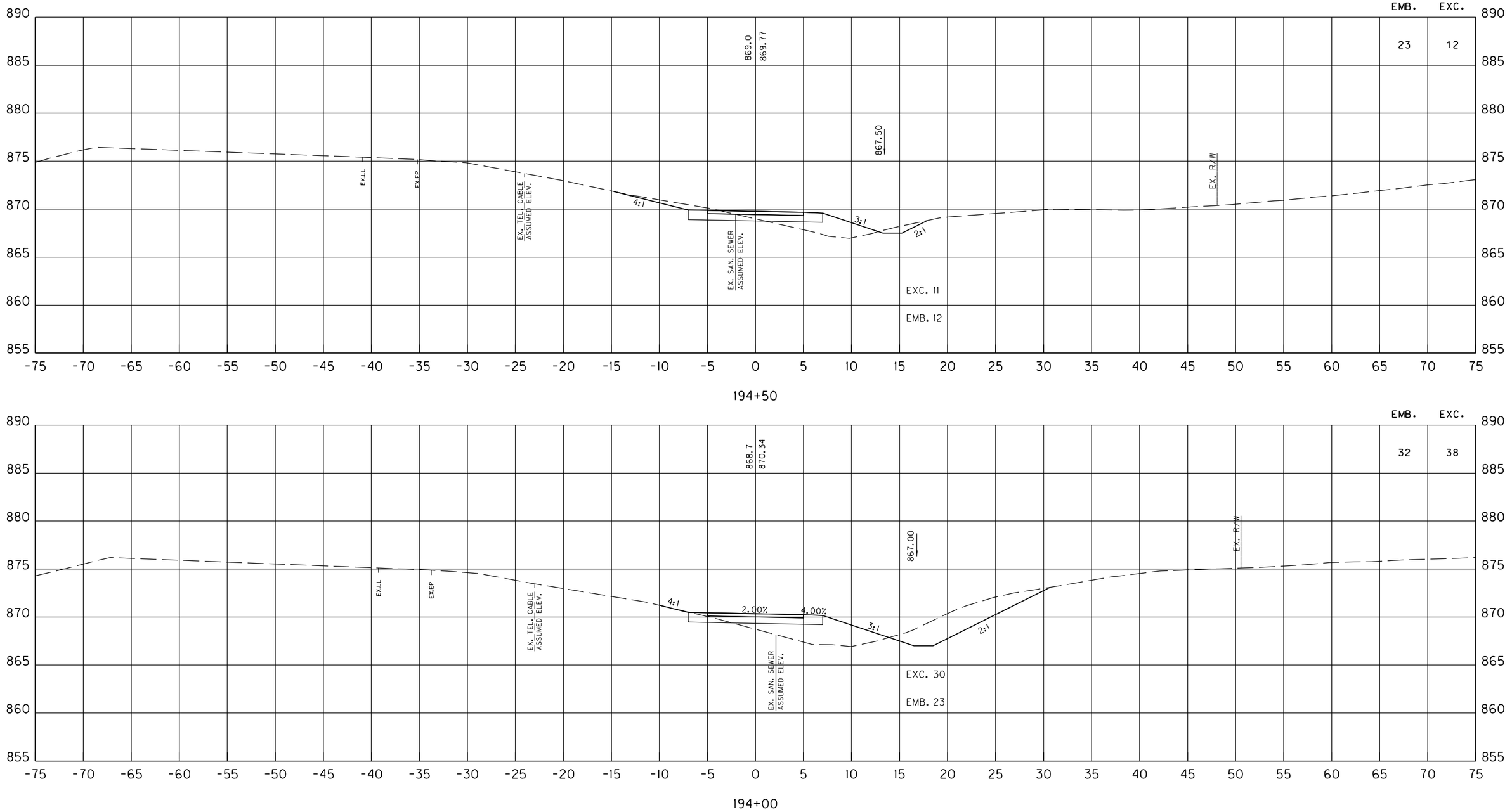
193+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 193+00 TO STA. 193+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X110



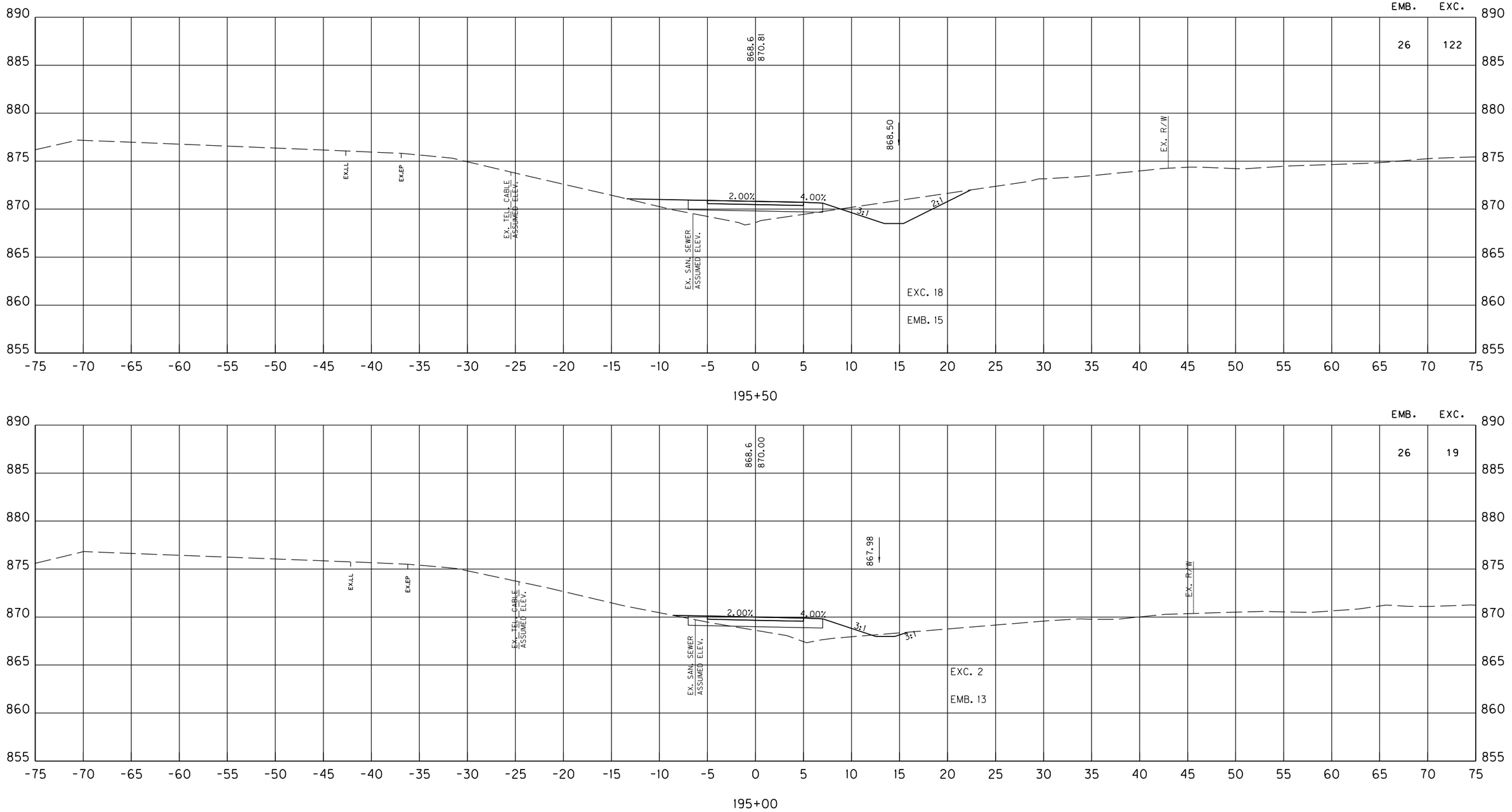
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 194+00 TO STA. 194+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X111

SHEET TOTALS STA. 190+00 TO 195+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	645	546

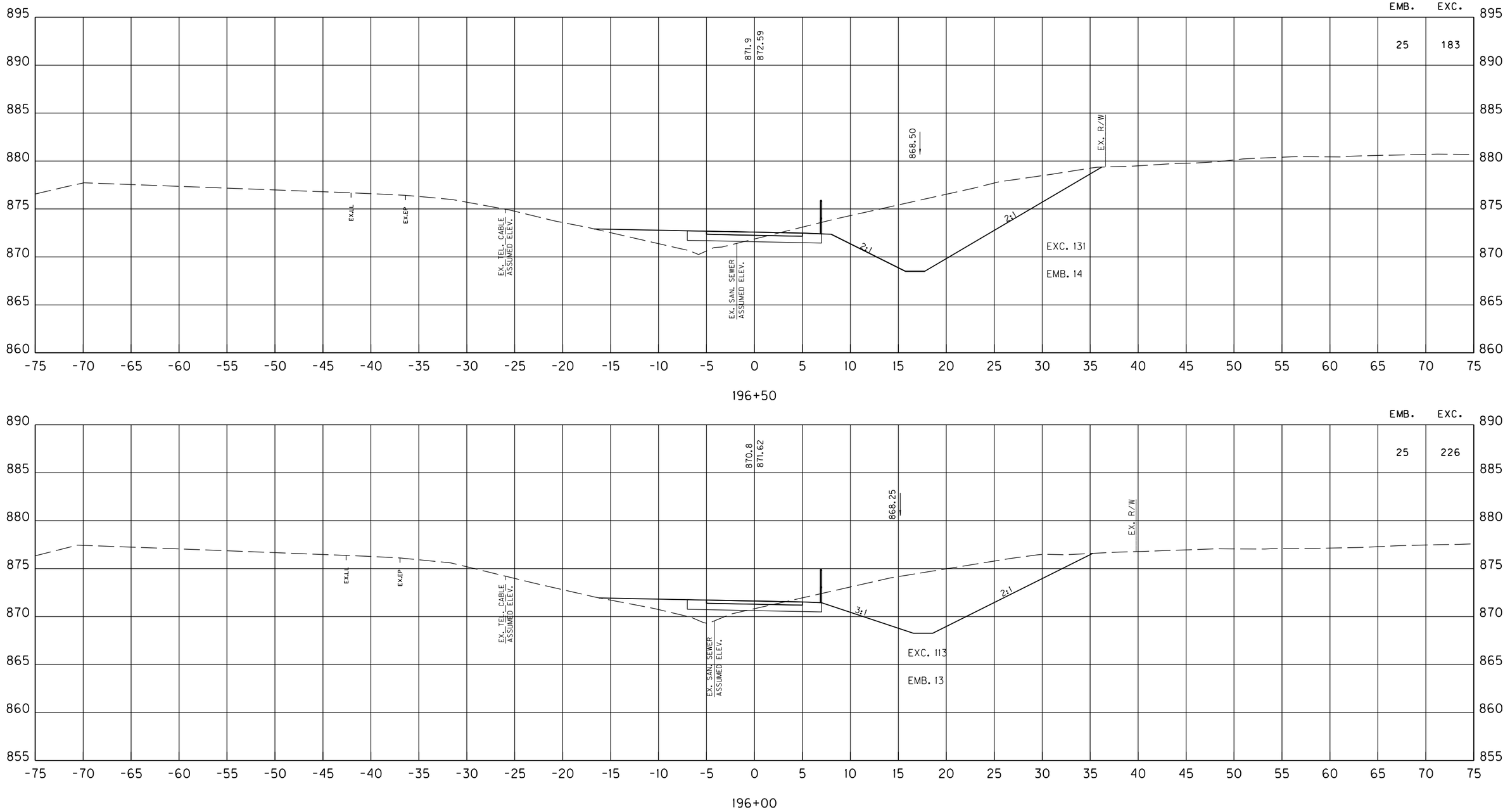


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 195+00 TO STA. 195+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X112

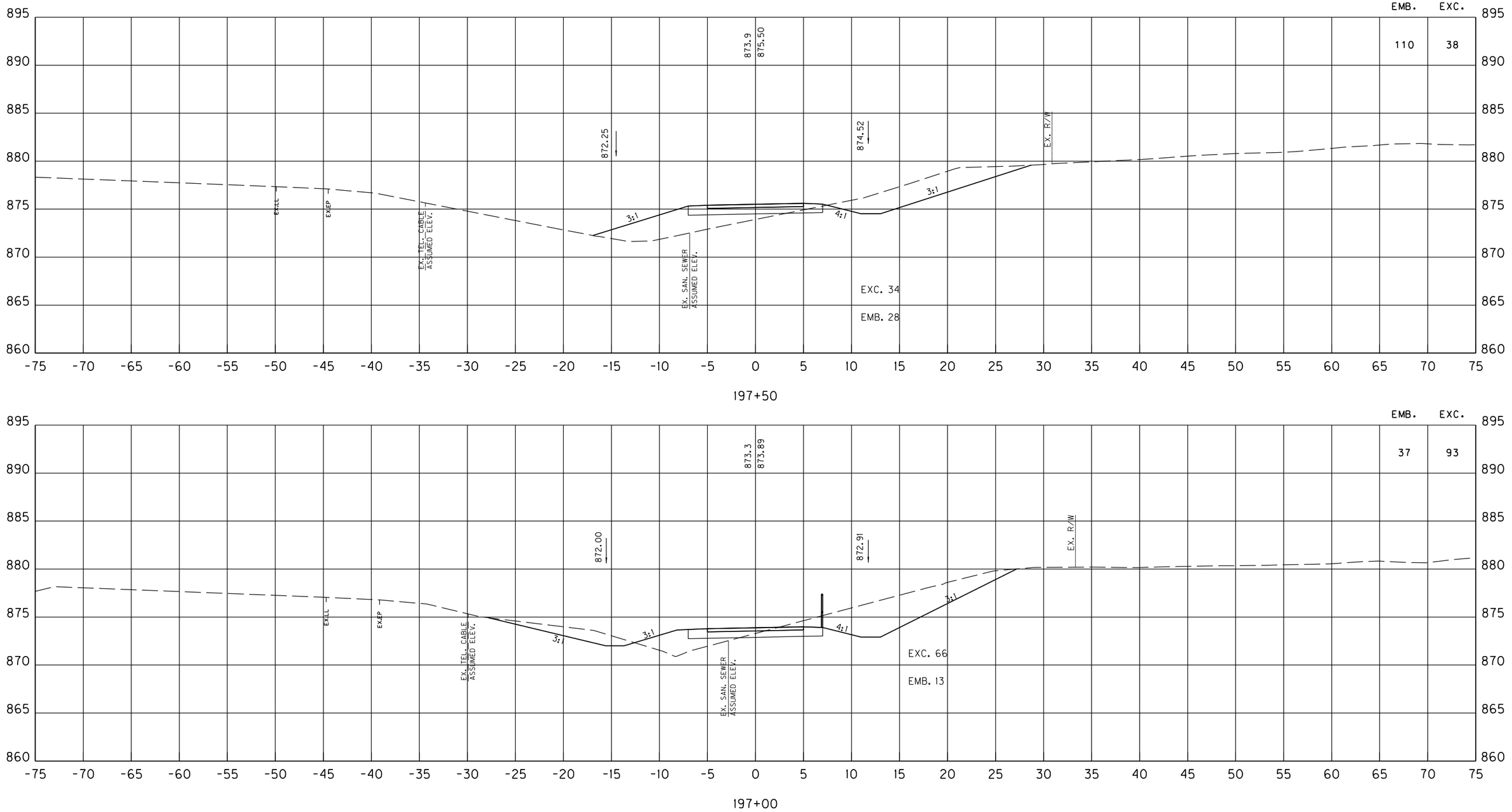


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 196+00 TO STA. 196+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X113

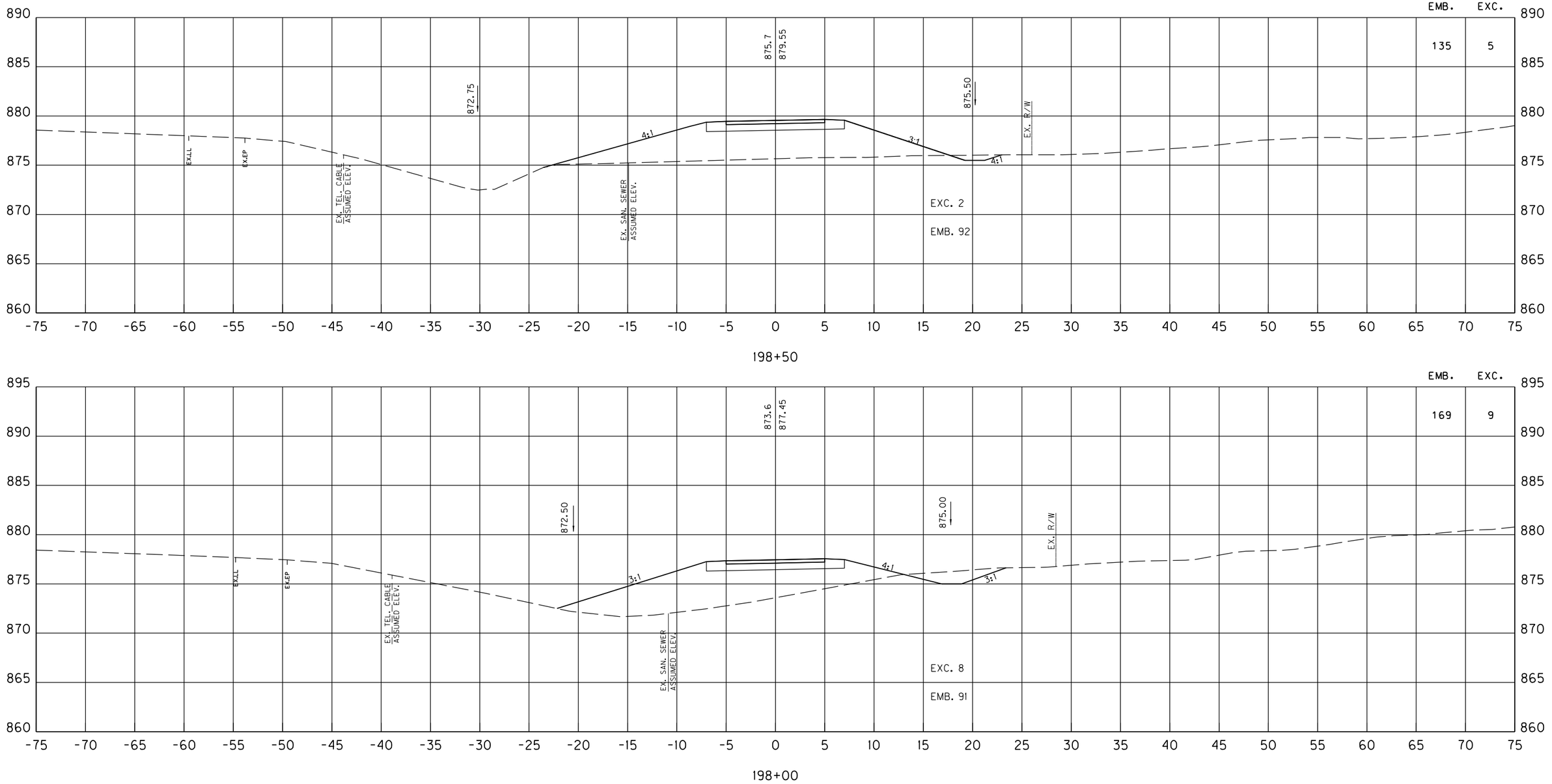


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 197+00 TO STA. 197+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X114

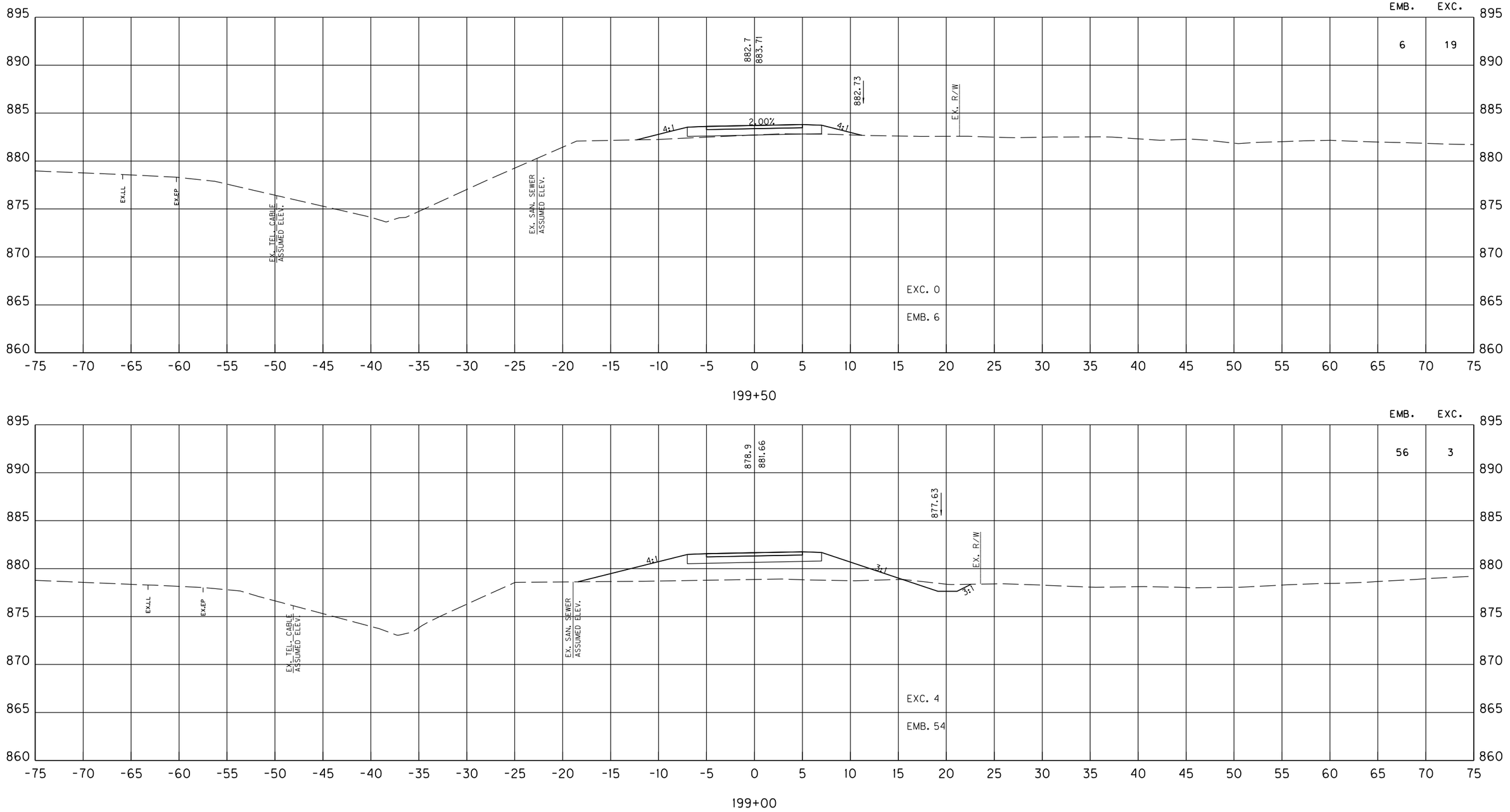


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 198+00 TO STA. 198+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X115



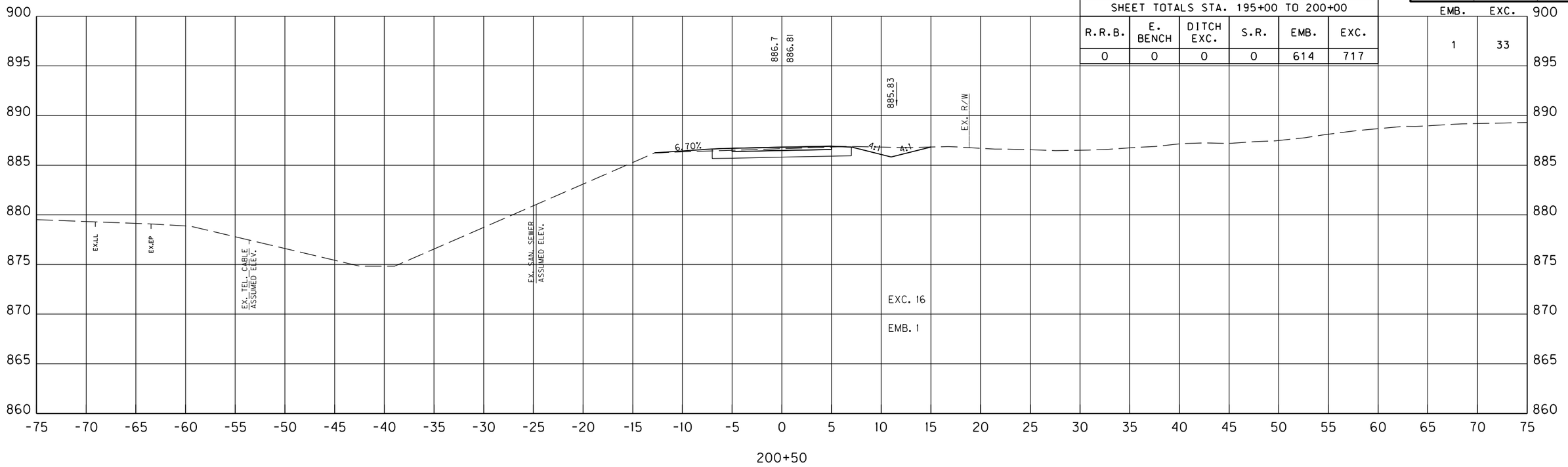
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

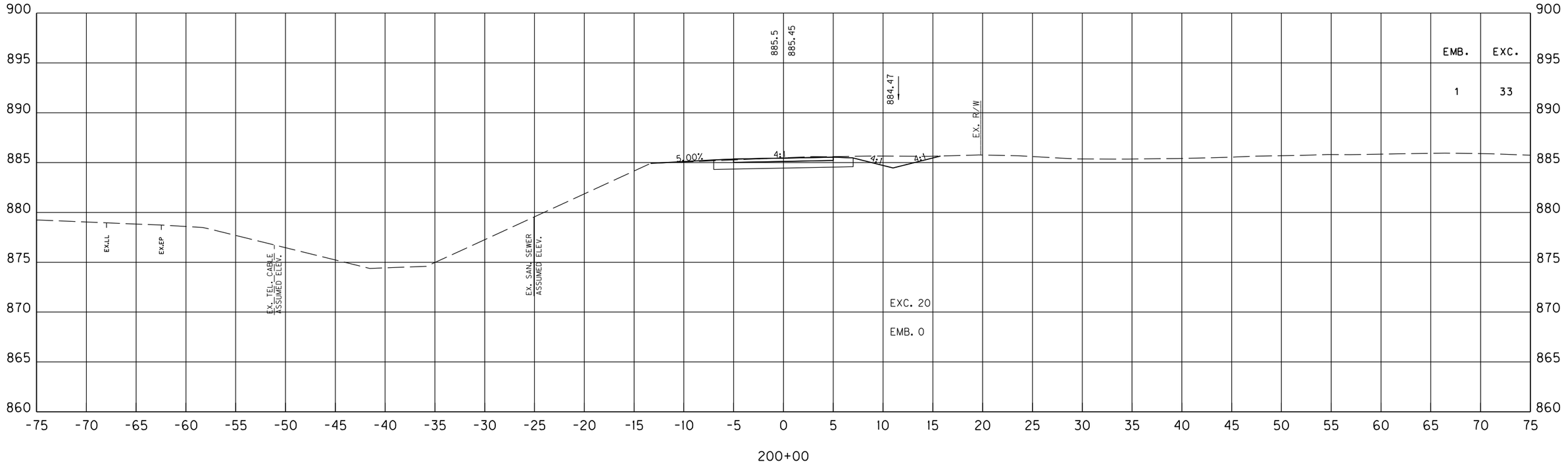
KY 237 MUP
STA. 199+00 TO STA. 199+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X116

SHEET TOTALS STA. 195+00 TO 200+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	614	717



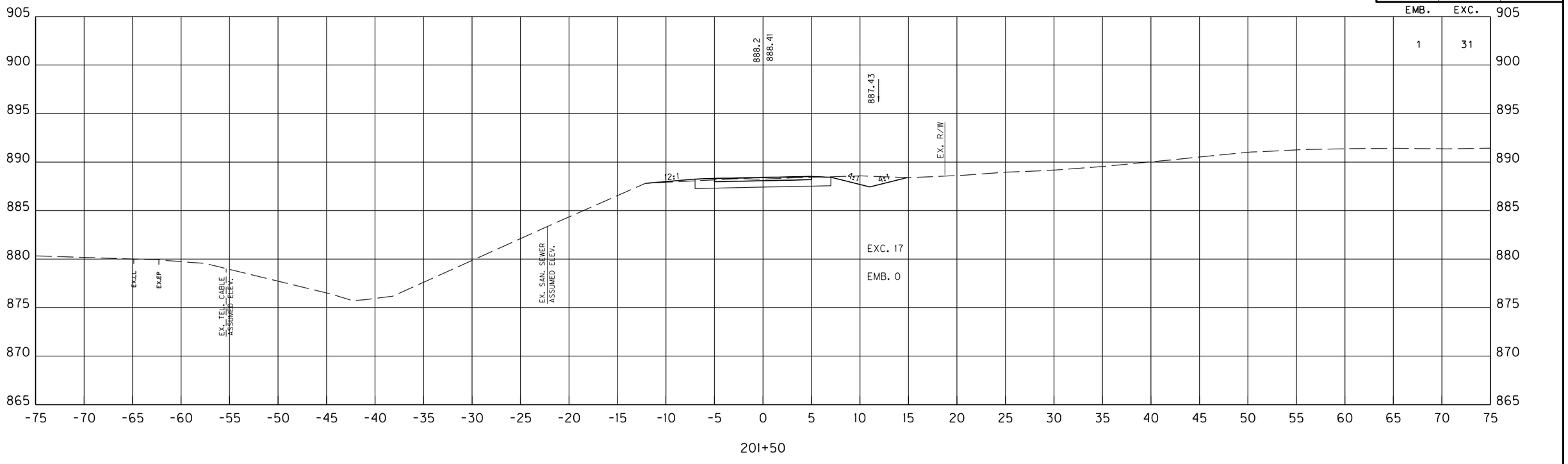


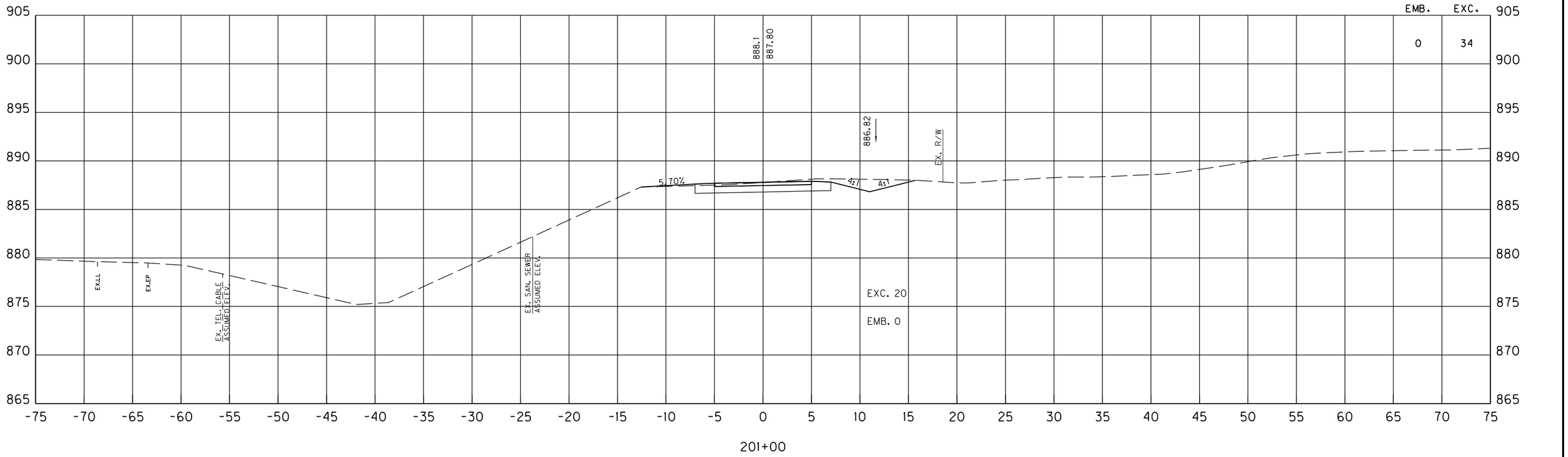
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 200+00 TO STA. 200+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X117



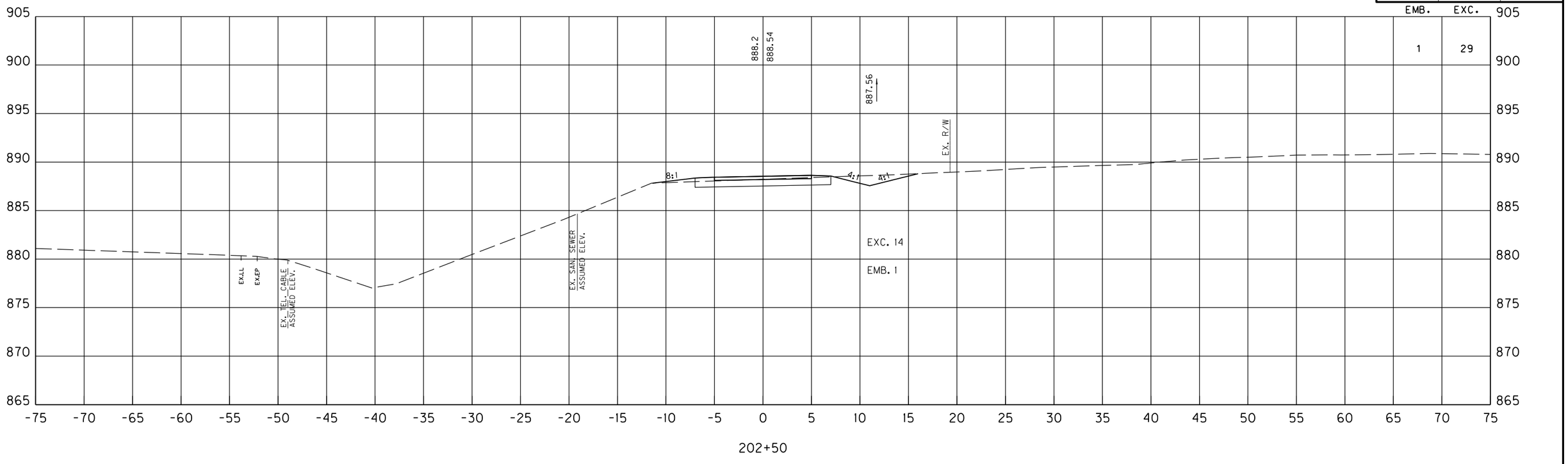


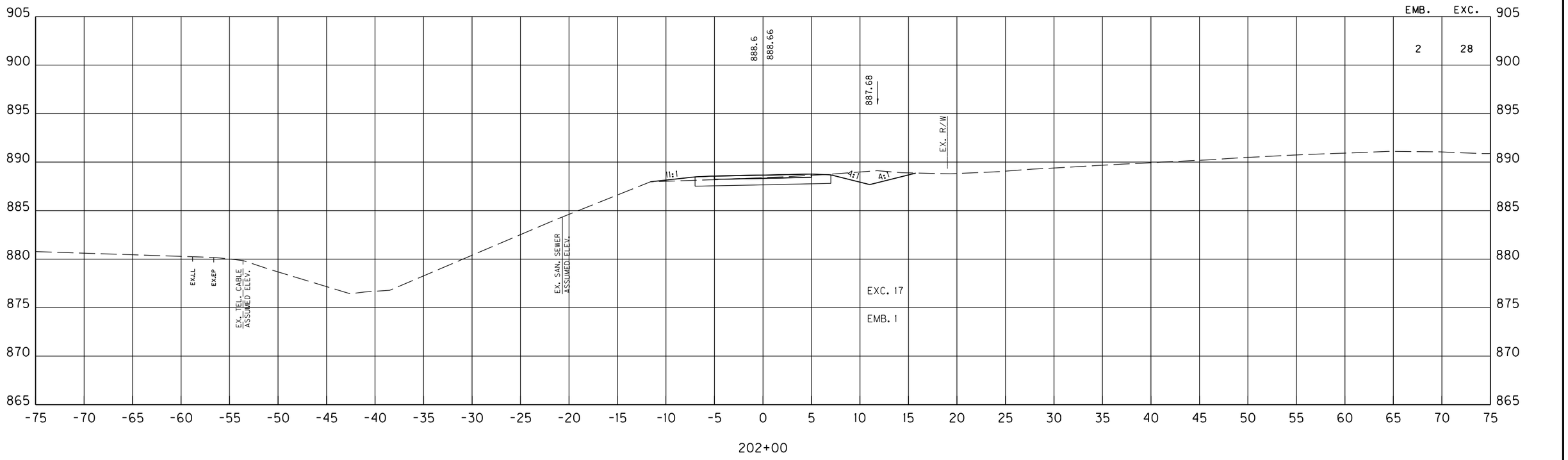
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 201+00 TO STA. 201+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X118



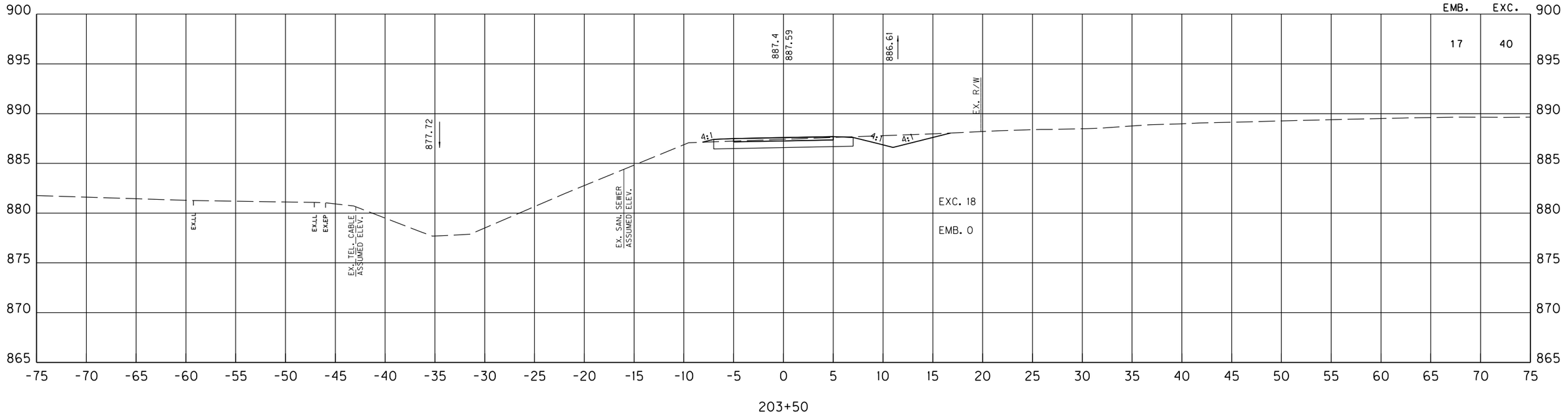


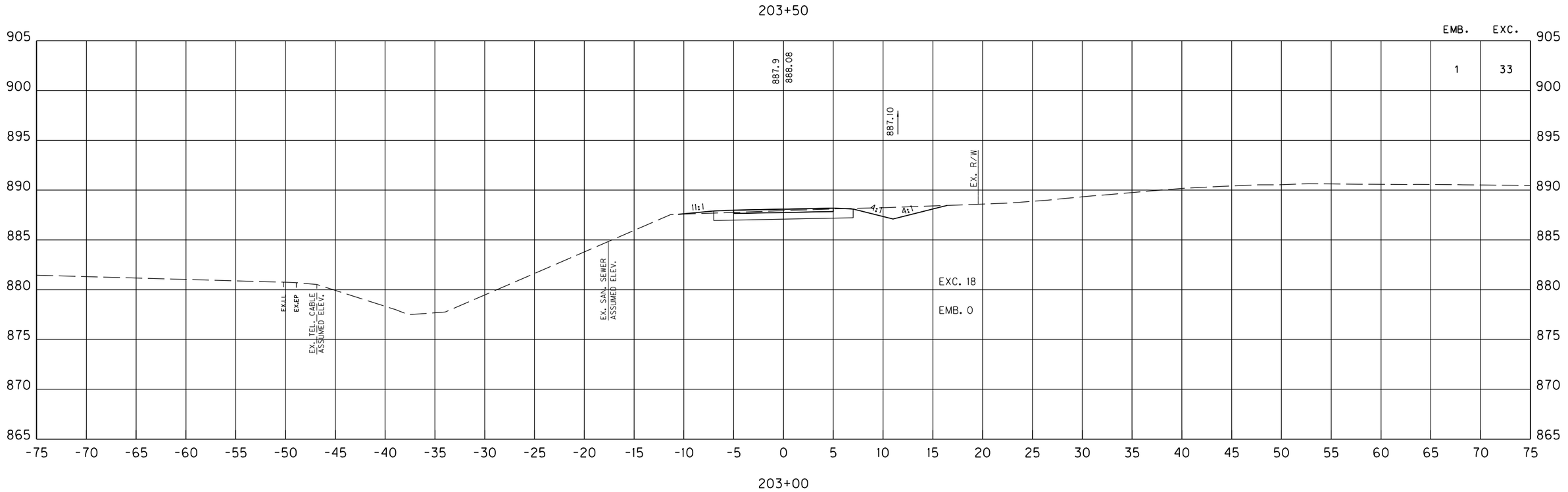
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 202+00 TO STA. 202+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X119



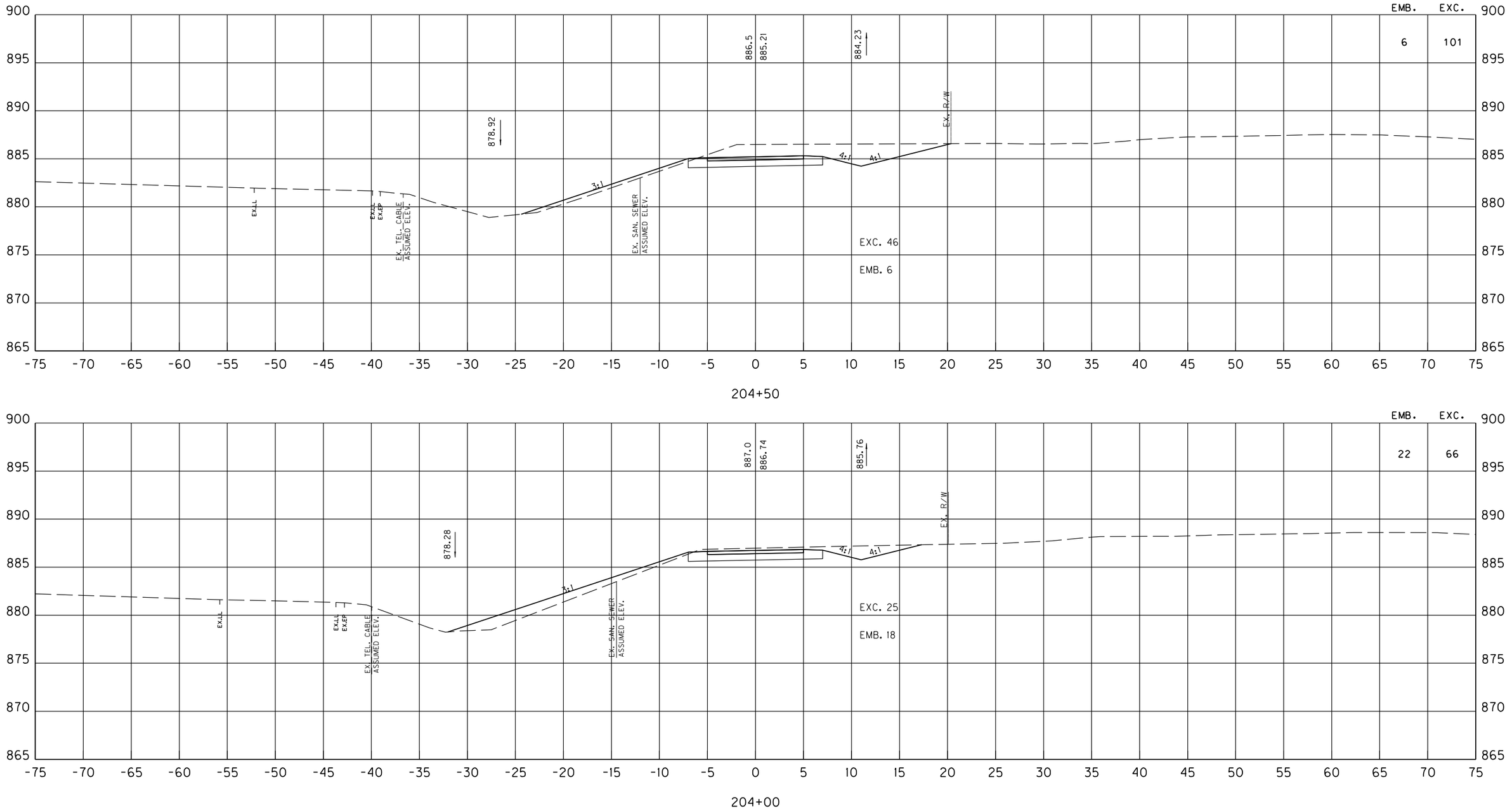


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 203+00 TO STA. 203+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X120



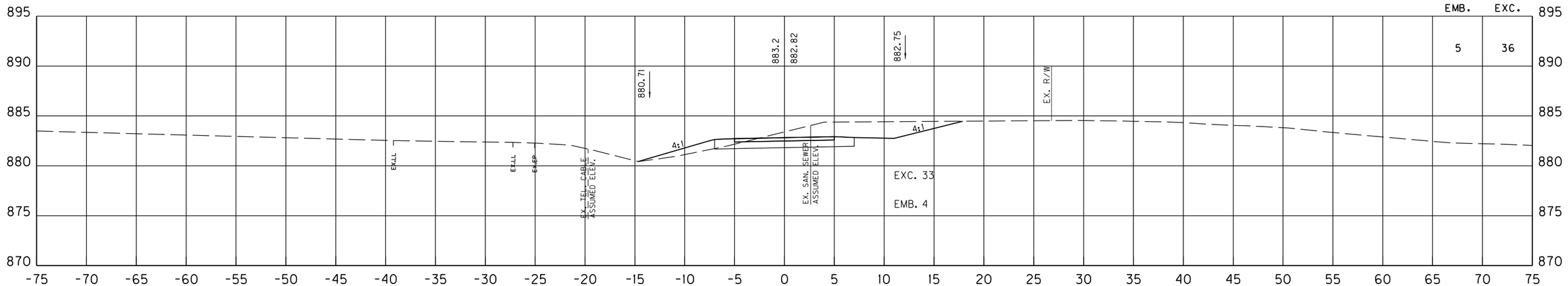
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 204+00 TO STA. 204+50
MAINLINE CROSS SECTIONS

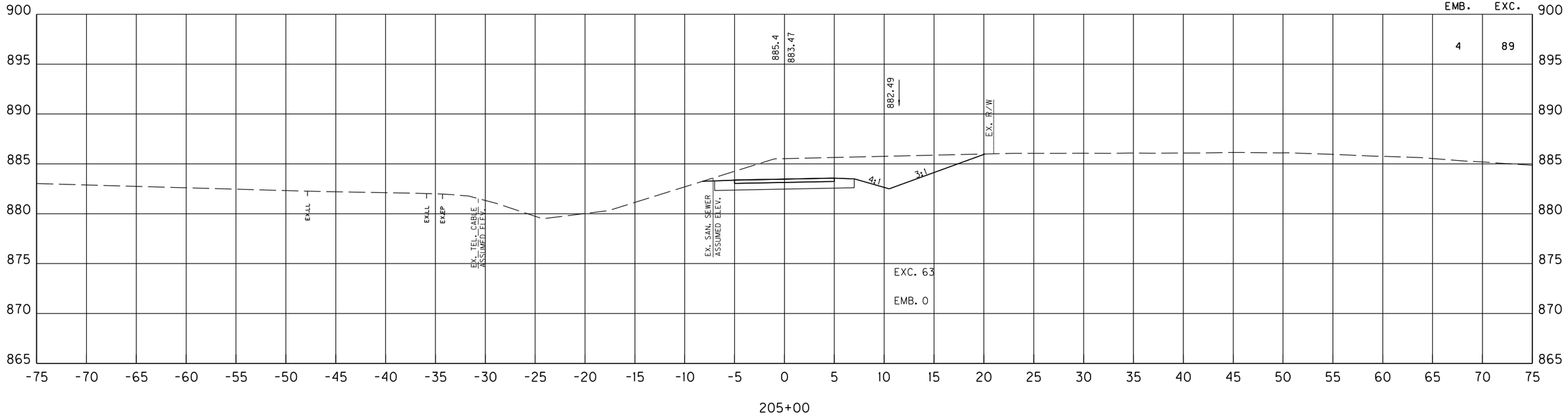
Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X121

SHEET TOTALS STA. 200+00 TO 205+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	51	429



205+50



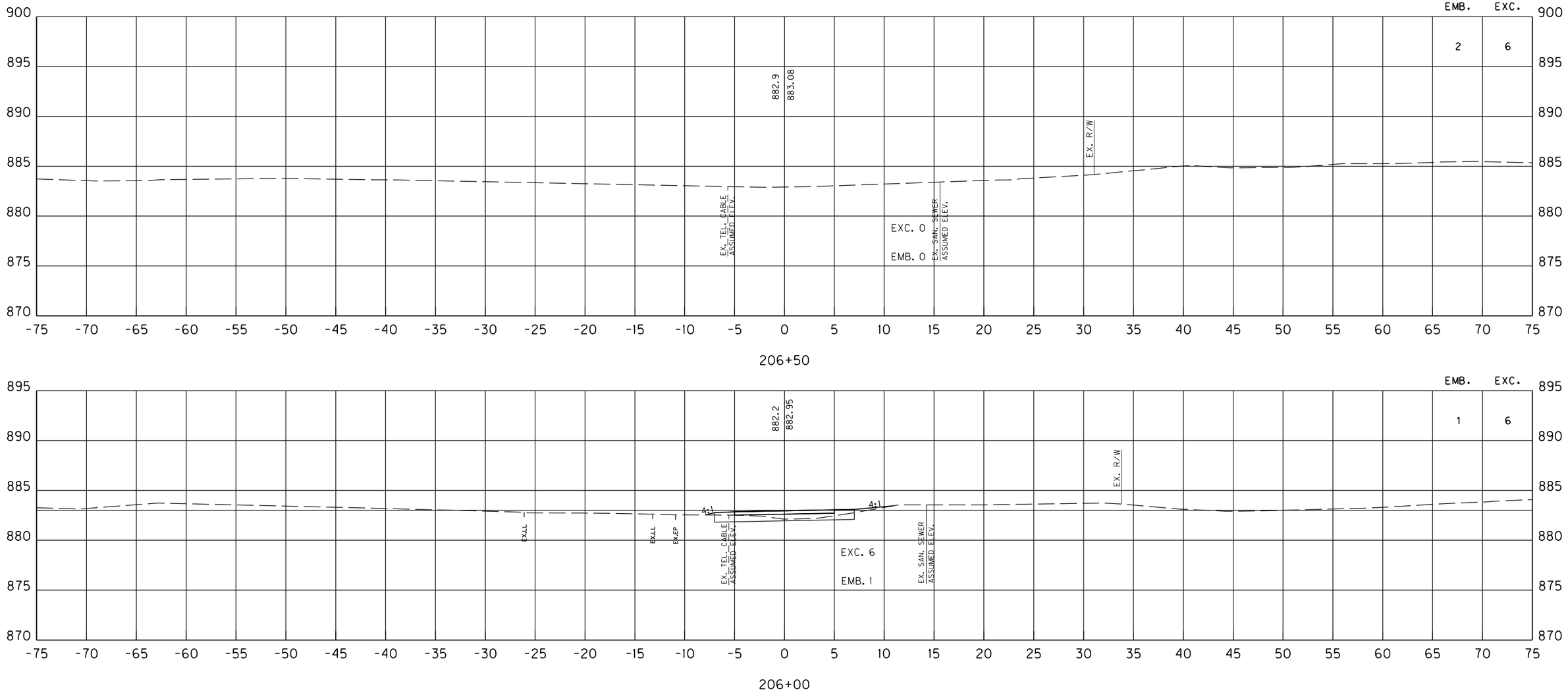
205+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 205+00 TO STA. 205+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI22



206+50

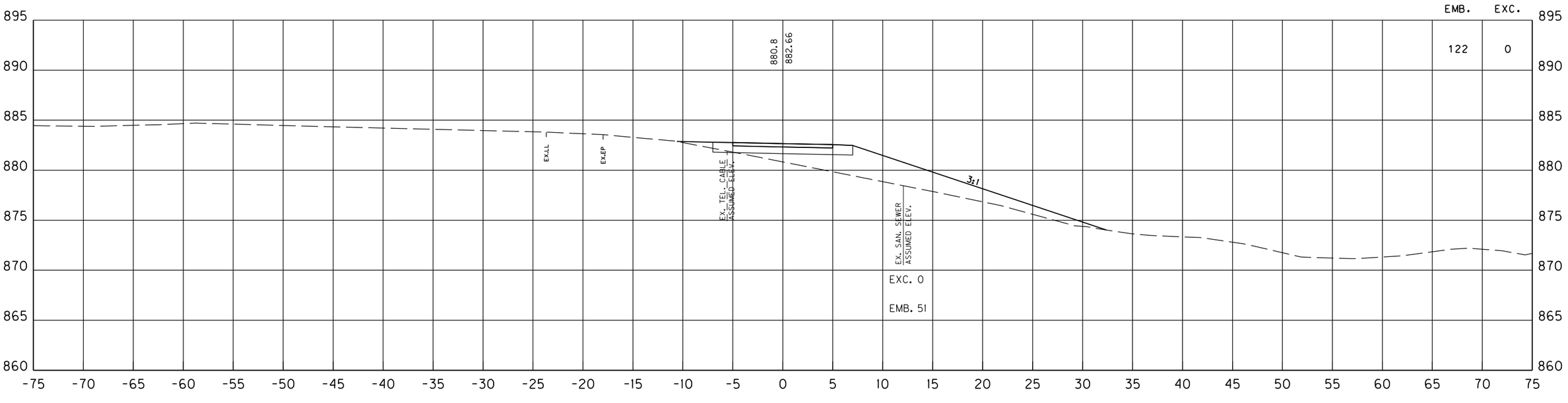
206+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

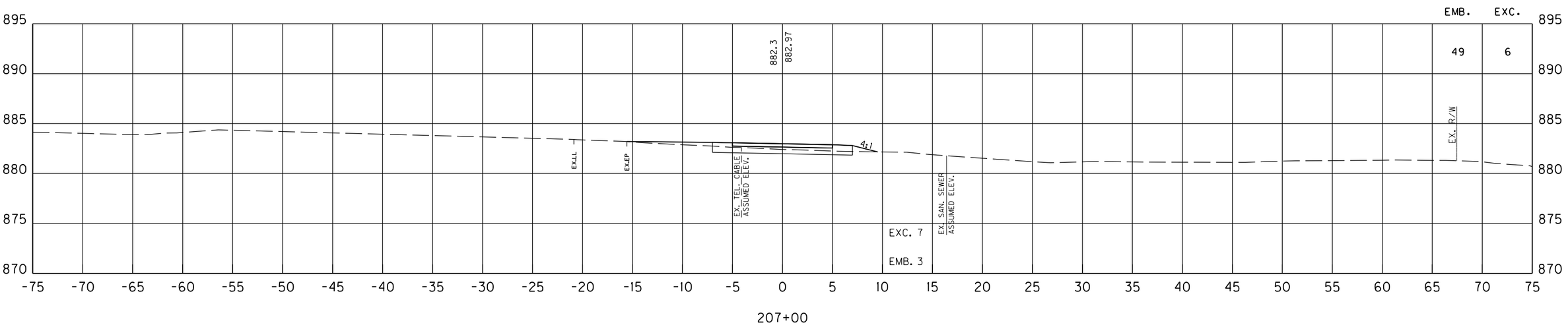
KY 237 MUP
STA. 206+00 TO STA. 206+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI23



207+50



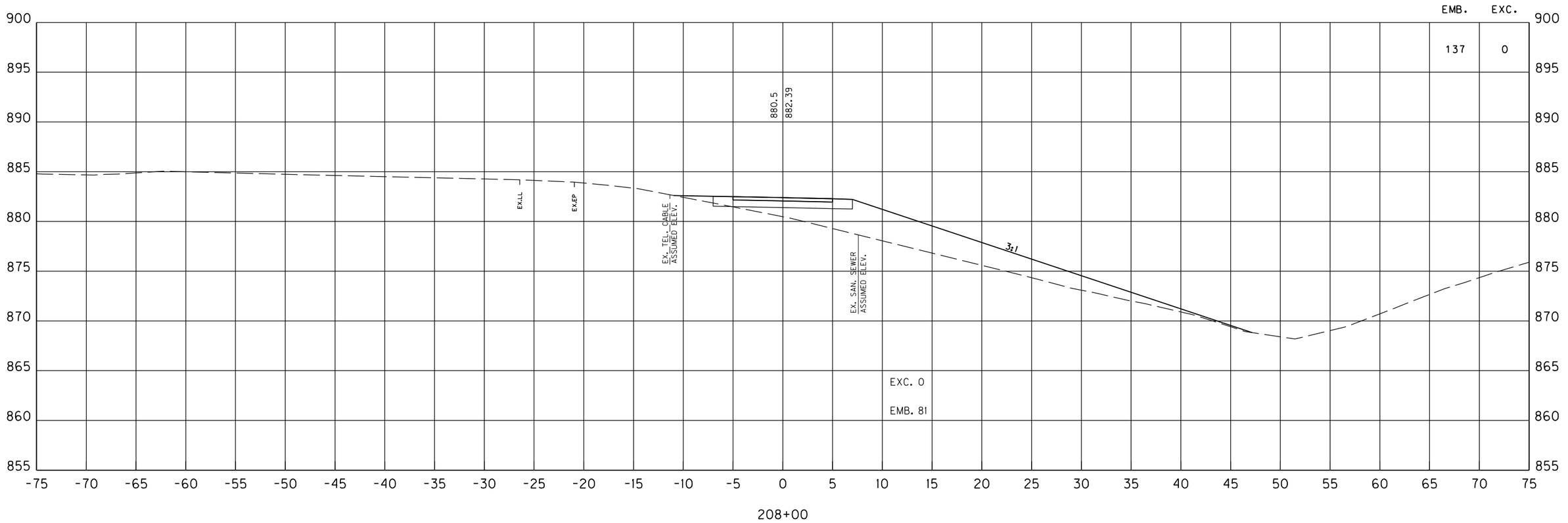
207+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 207+00 TO STA. 207+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X124

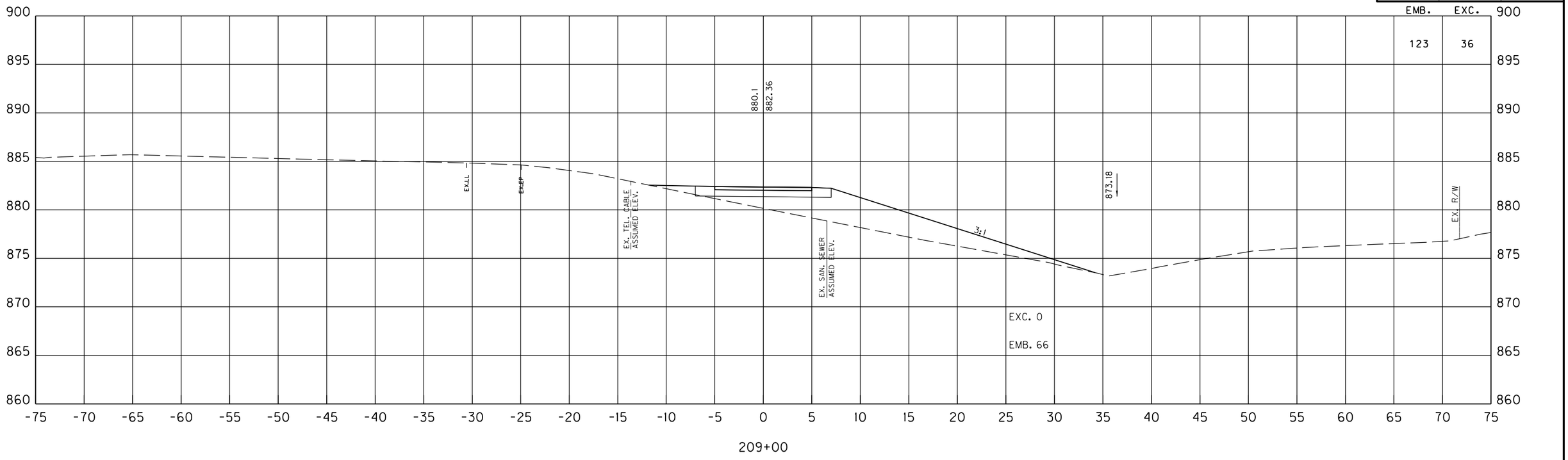


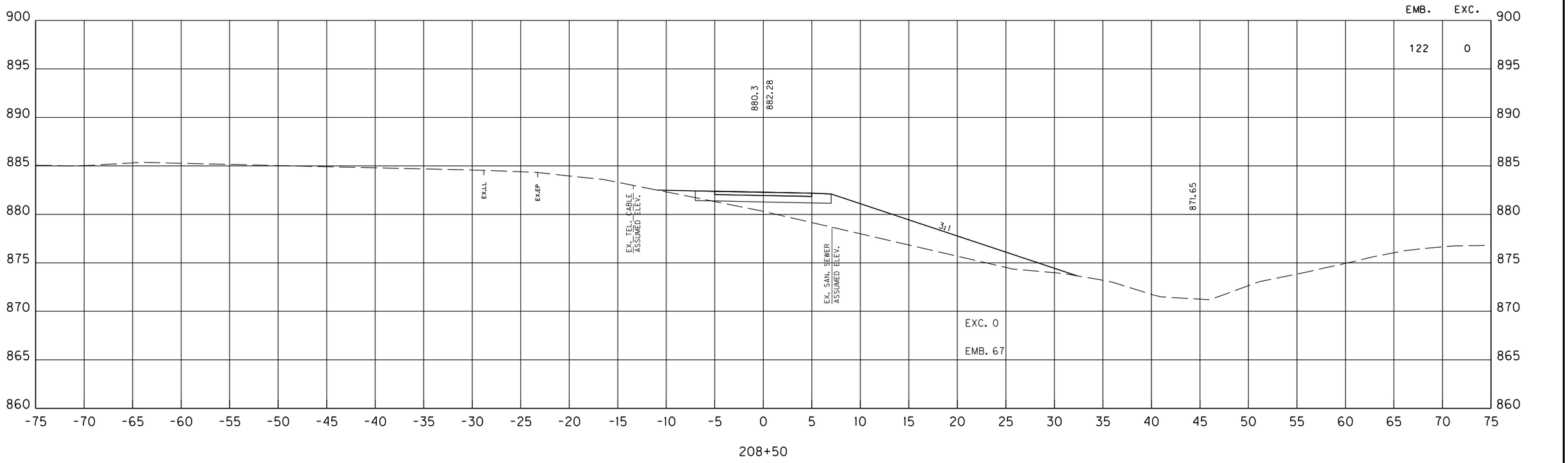
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 208+00 TO STA. 208+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet | DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X125





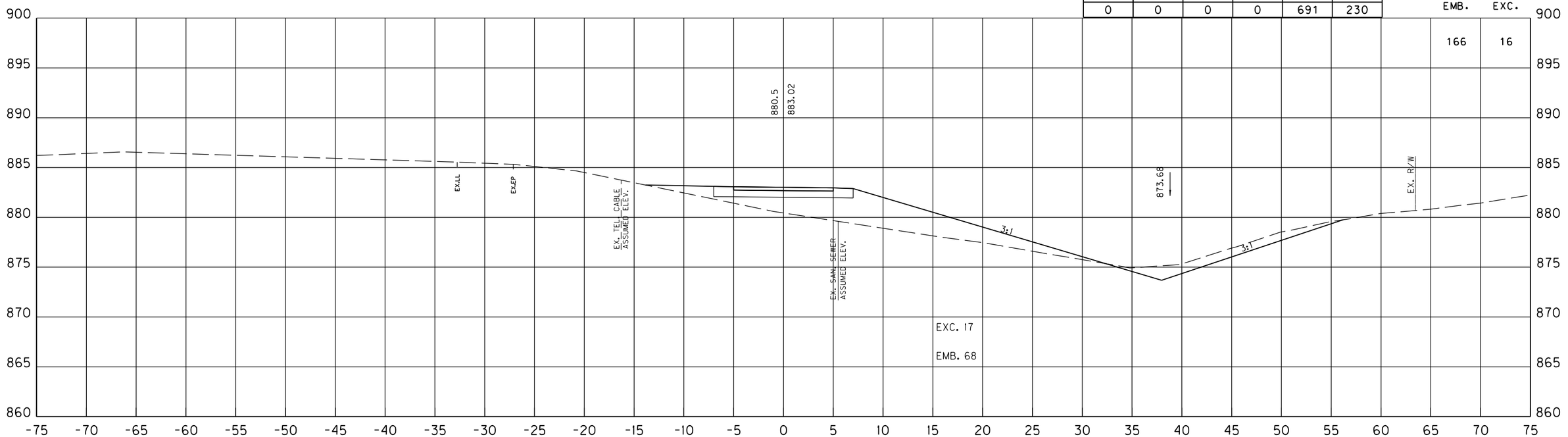
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 208+50 TO STA. 209+00
MAINLINE CROSS SECTIONS

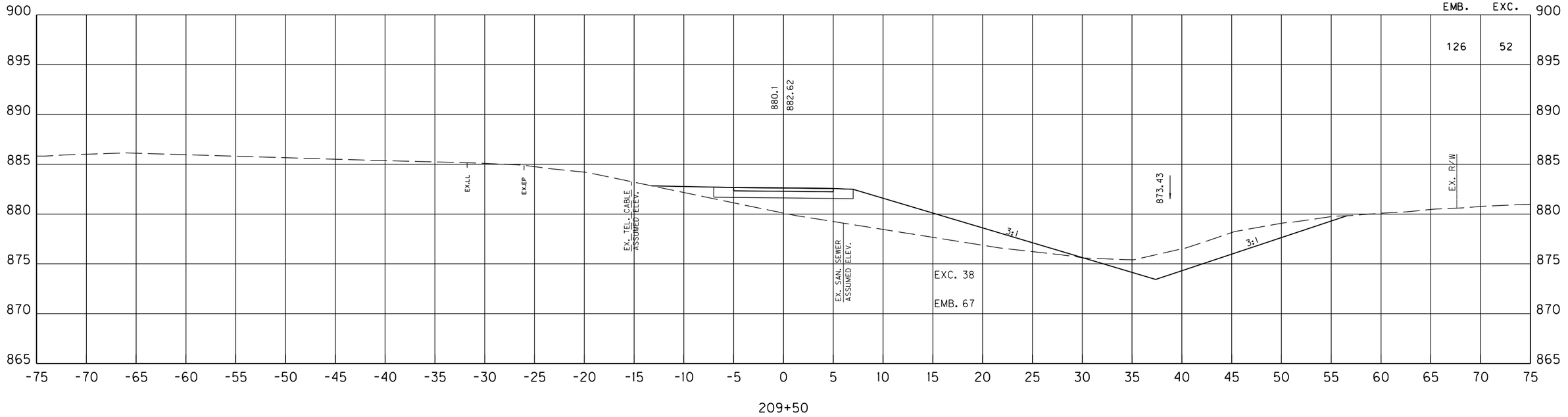
FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X126

SHEET TOTALS STA. 205+00 TO 210+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	691	230



210+00



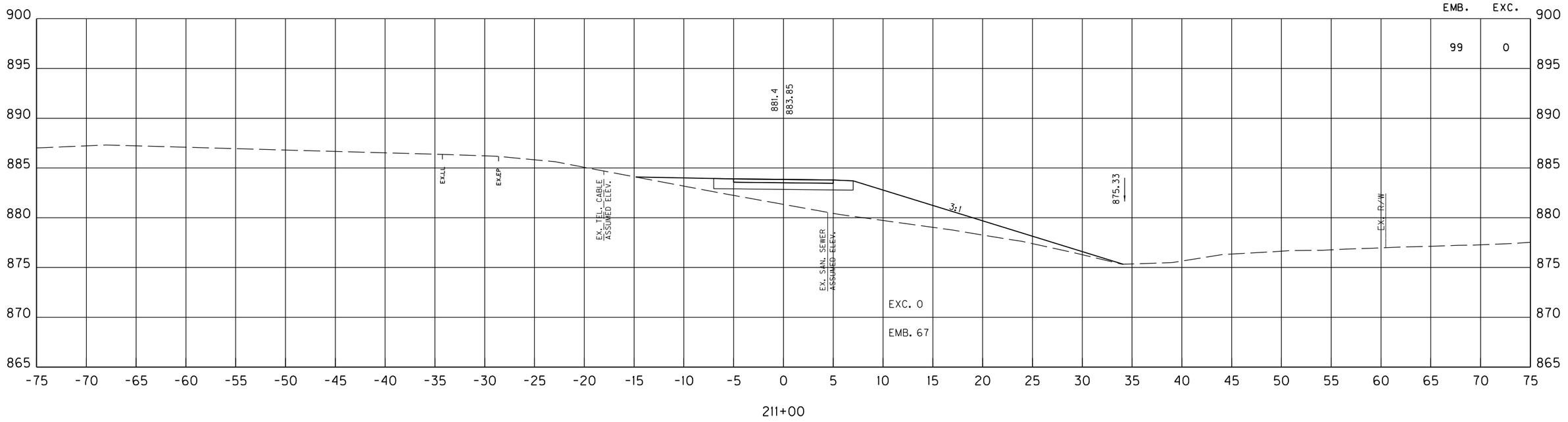
209+50

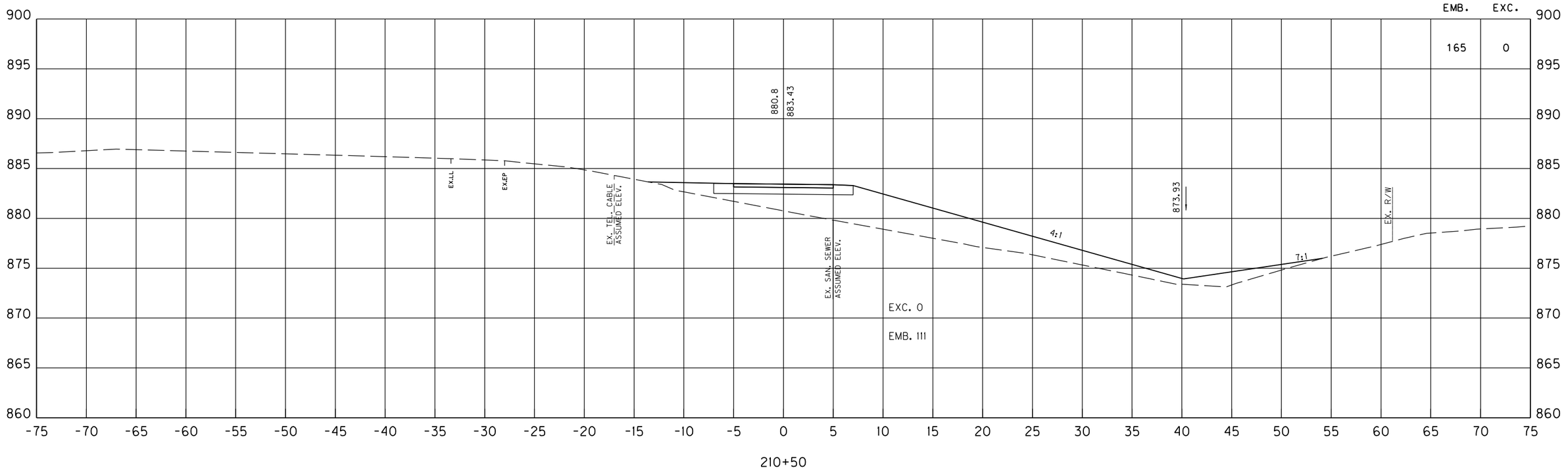
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 209+50 TO STA. 210+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X127



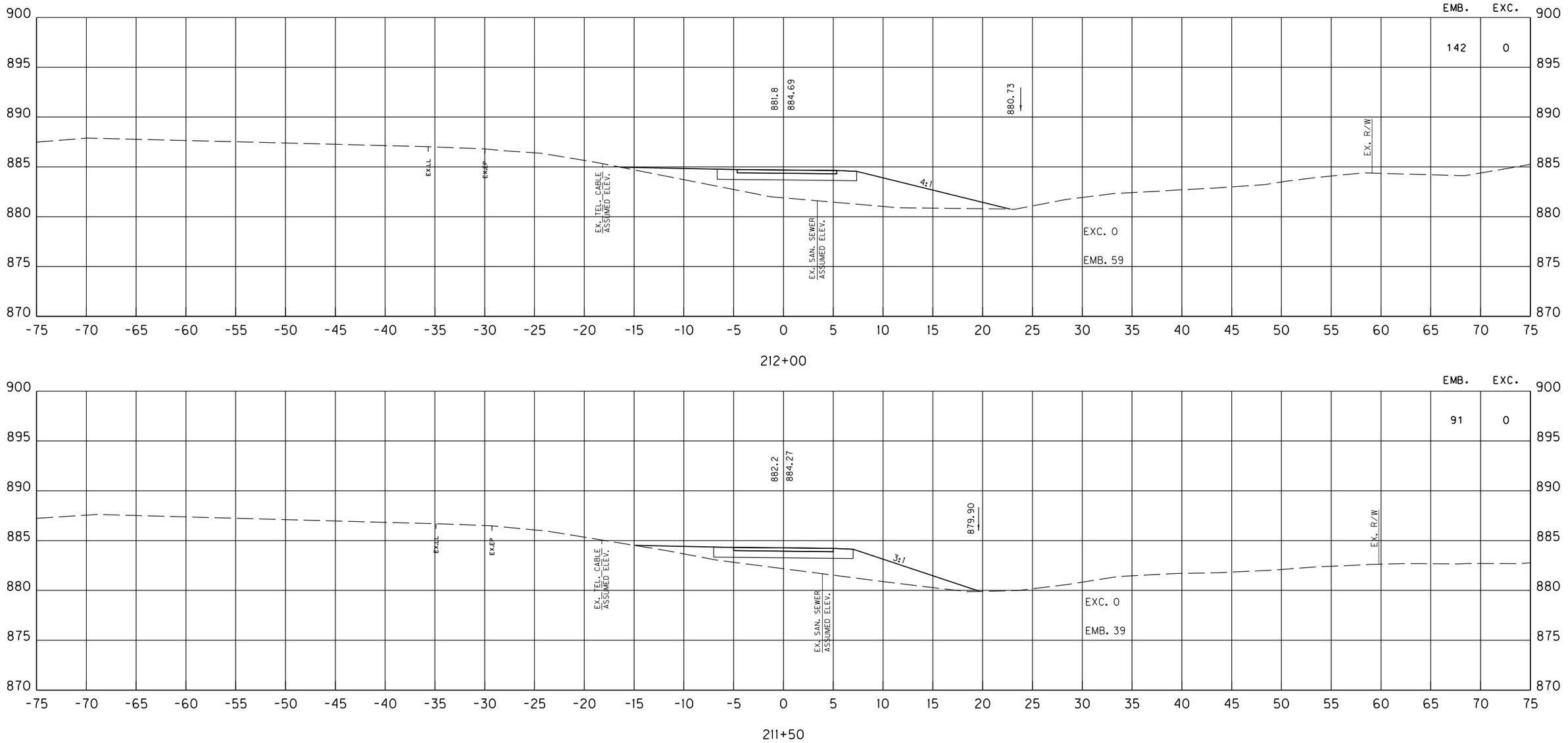


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 210+50 TO STA. 211+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X128

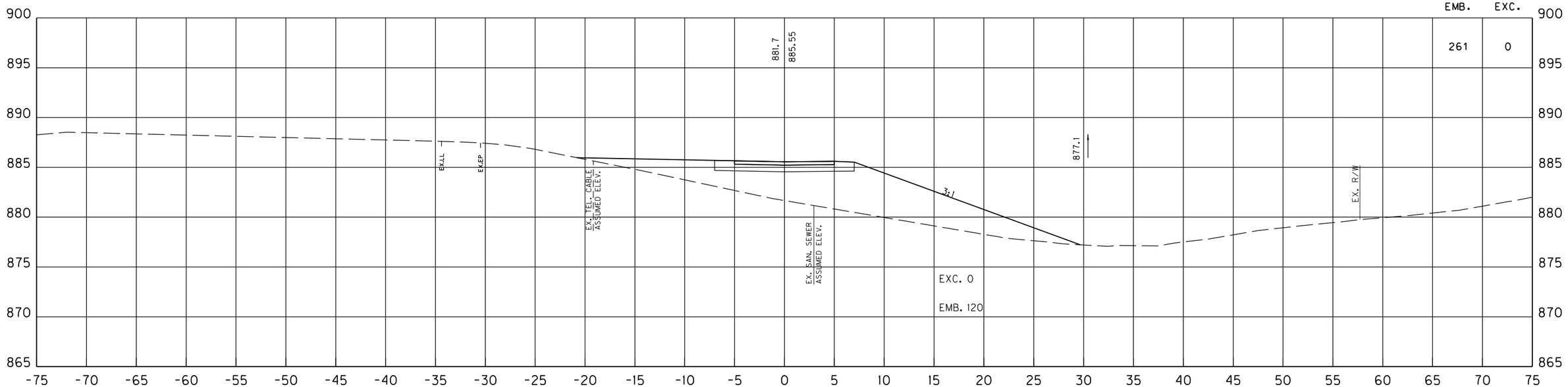


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

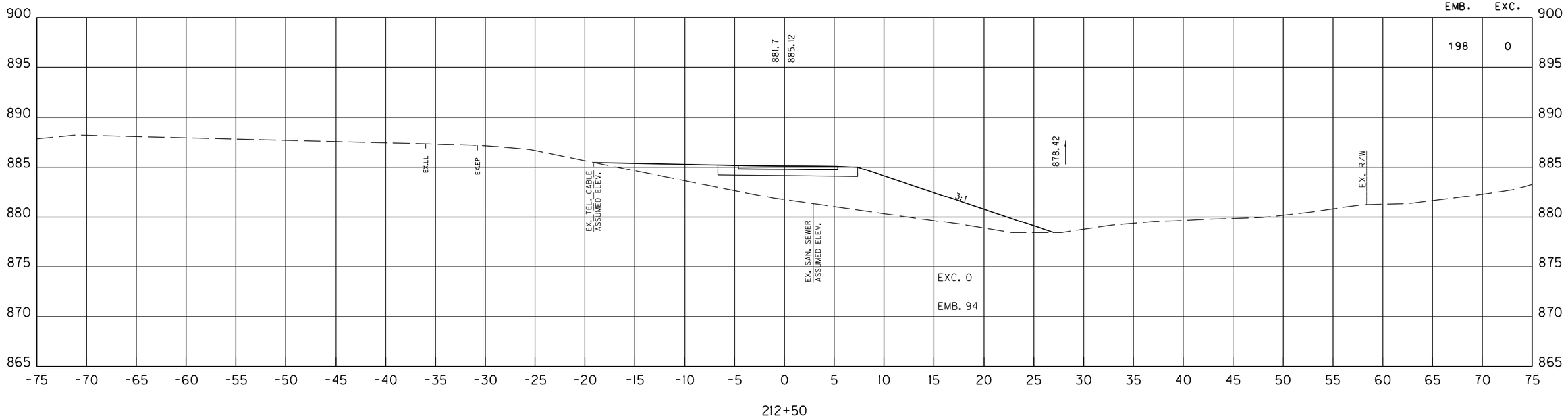
KY 237 MUP
STA. 211+50 TO STA. 212+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X129



213+00



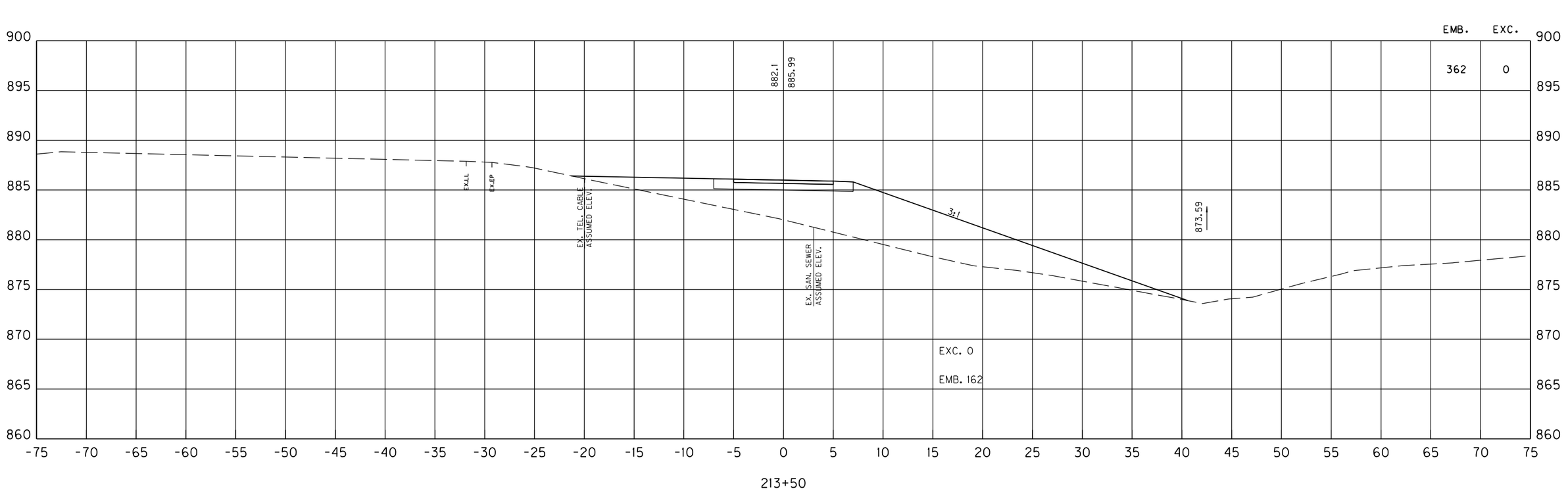
212+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 212+50 TO STA. 213+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X130

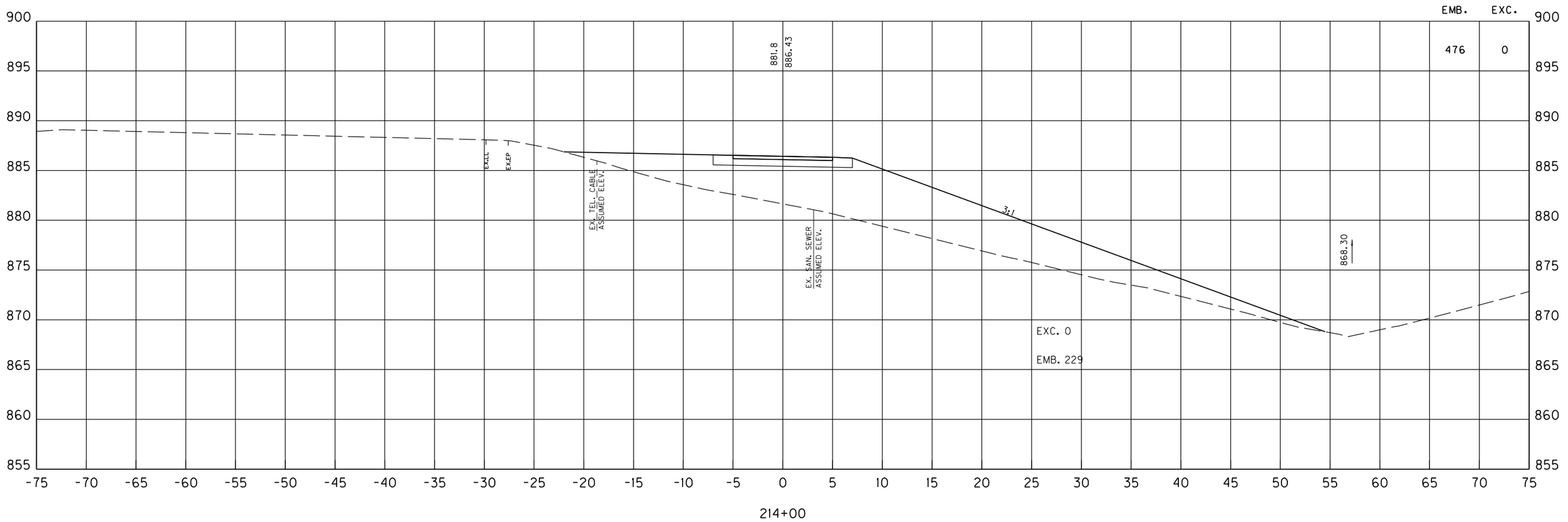


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 213+50 TO STA. 213+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X131

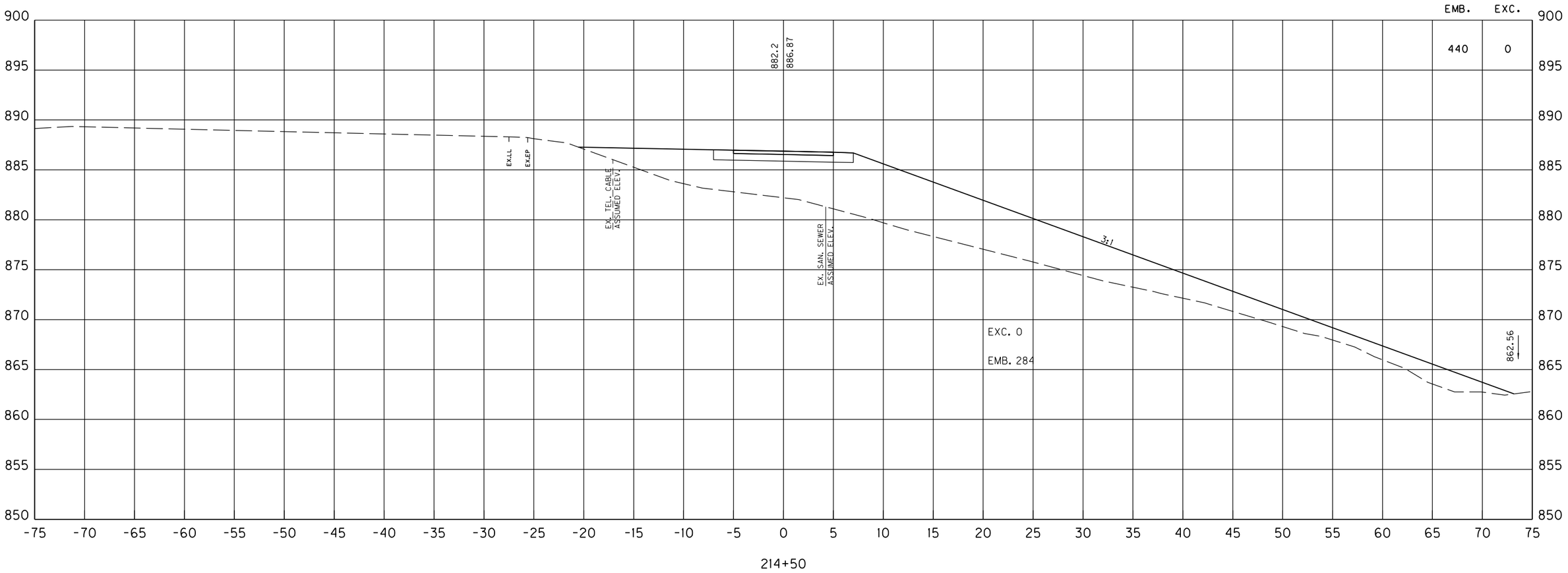


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 214+00 TO STA. 214+00
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI32



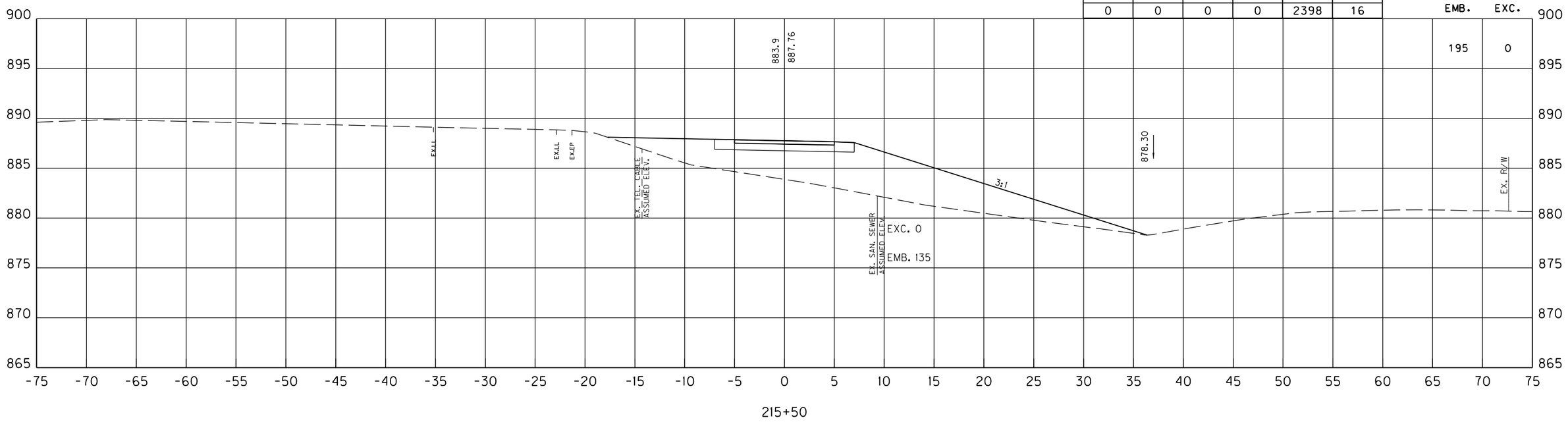
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

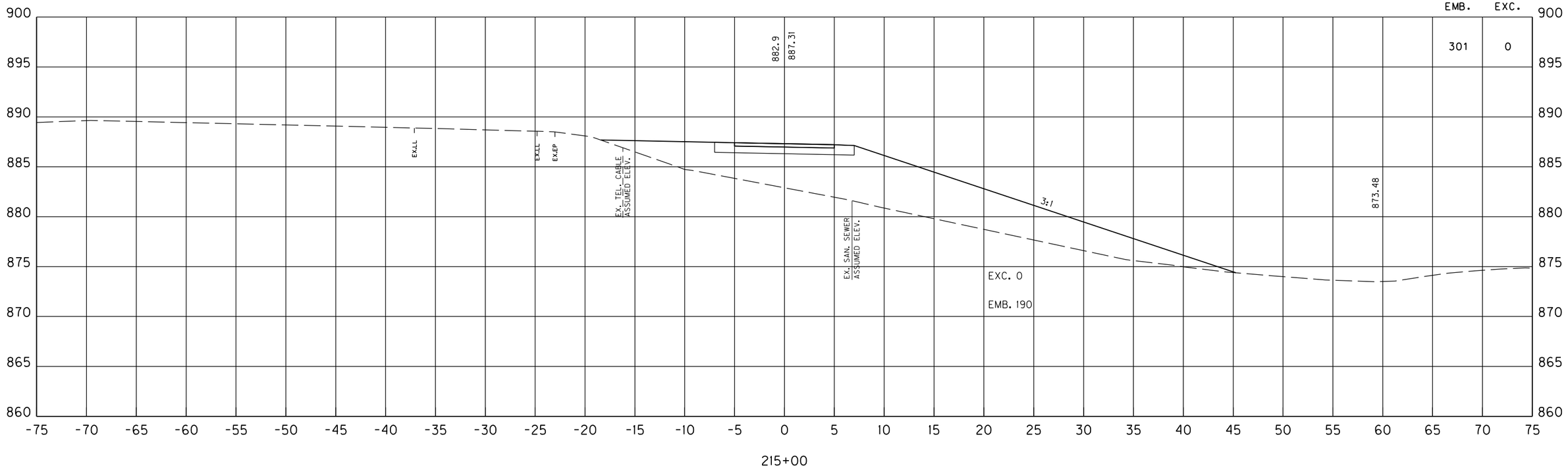
KY 237 MUP
STA. 214+50 TO STA. 214+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI33

SHEET TOTALS STA. 210+00 TO 215+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	2398	16



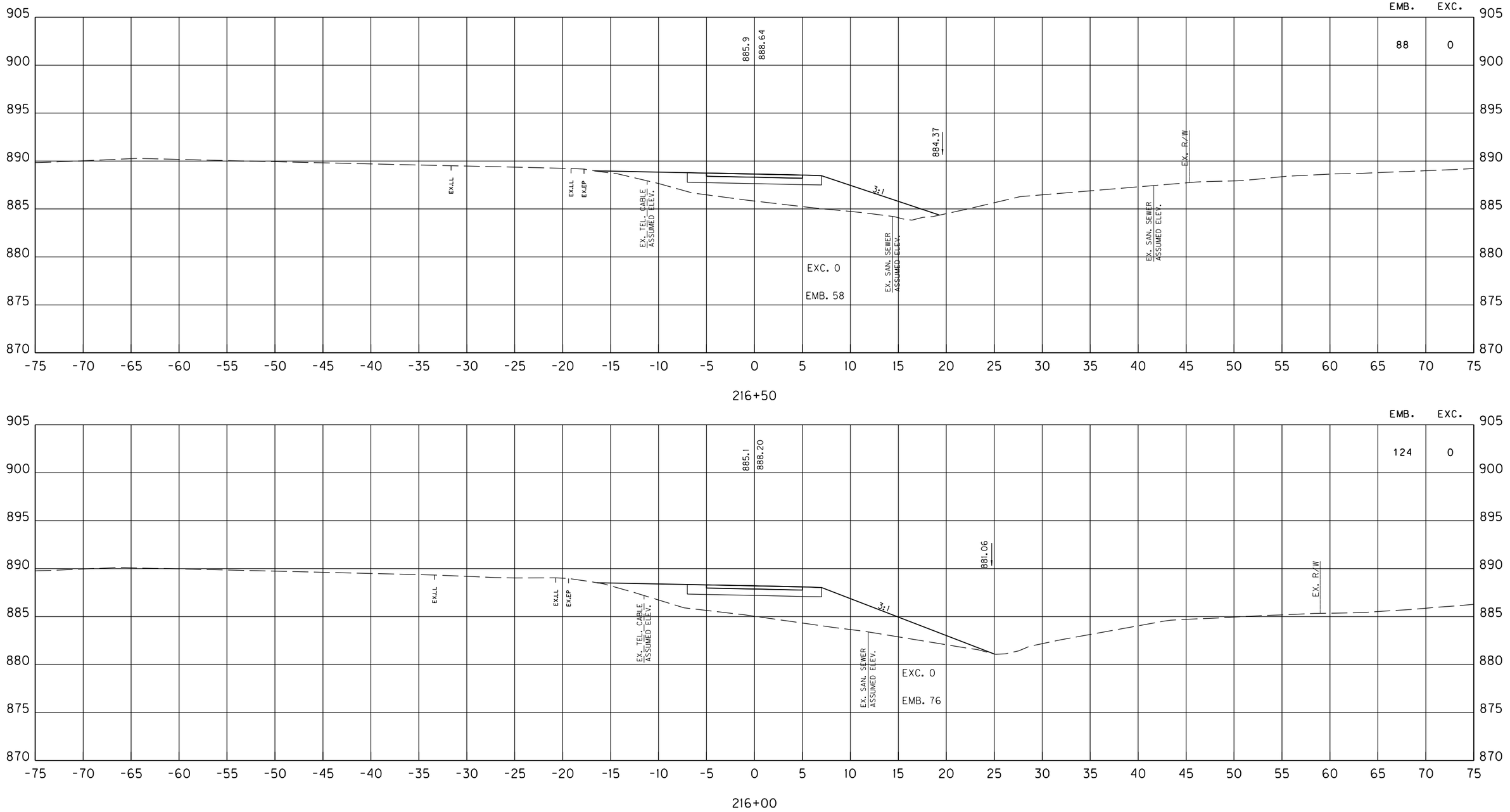


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 215+00 TO STA. 215+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI34

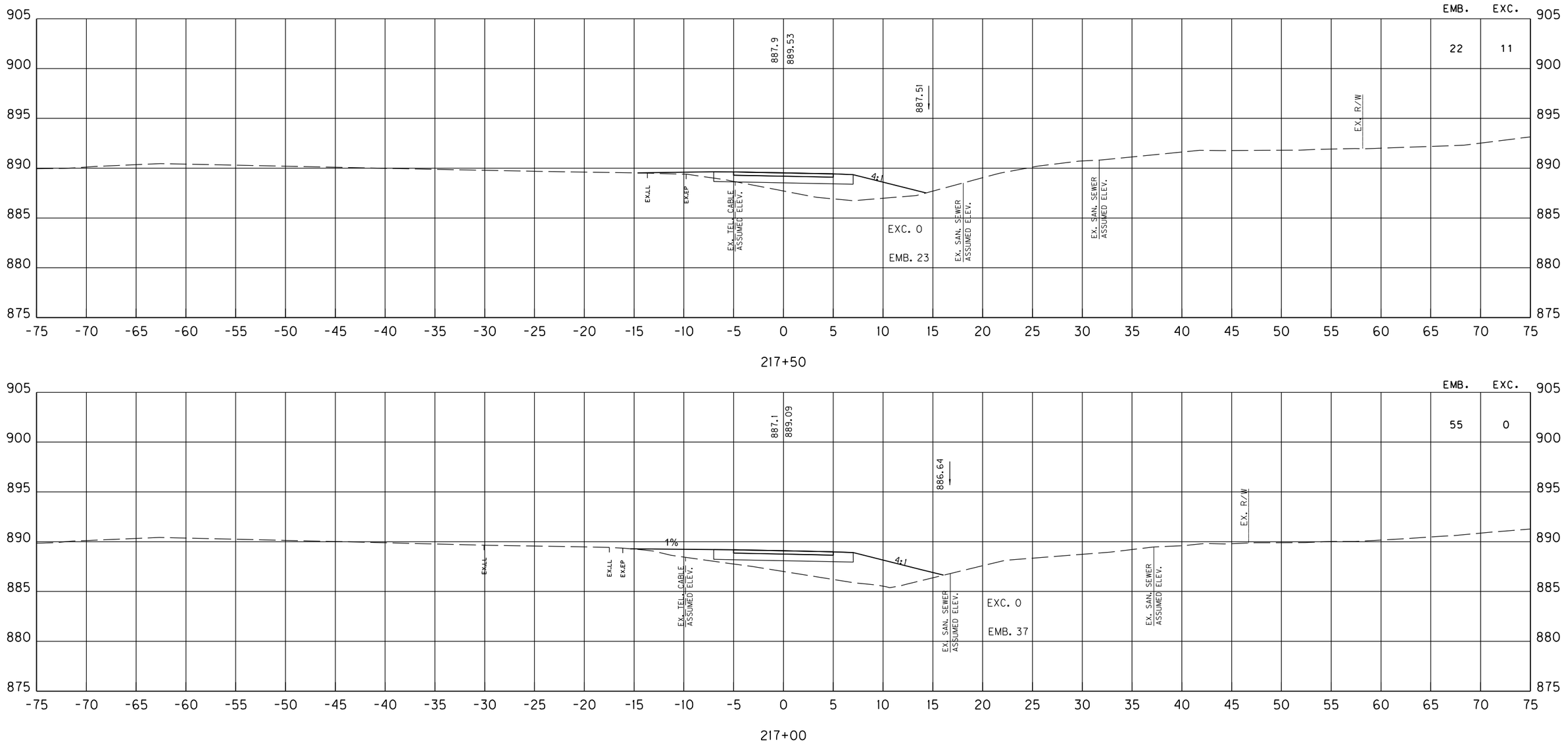


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 216+00 TO STA. 216+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI35

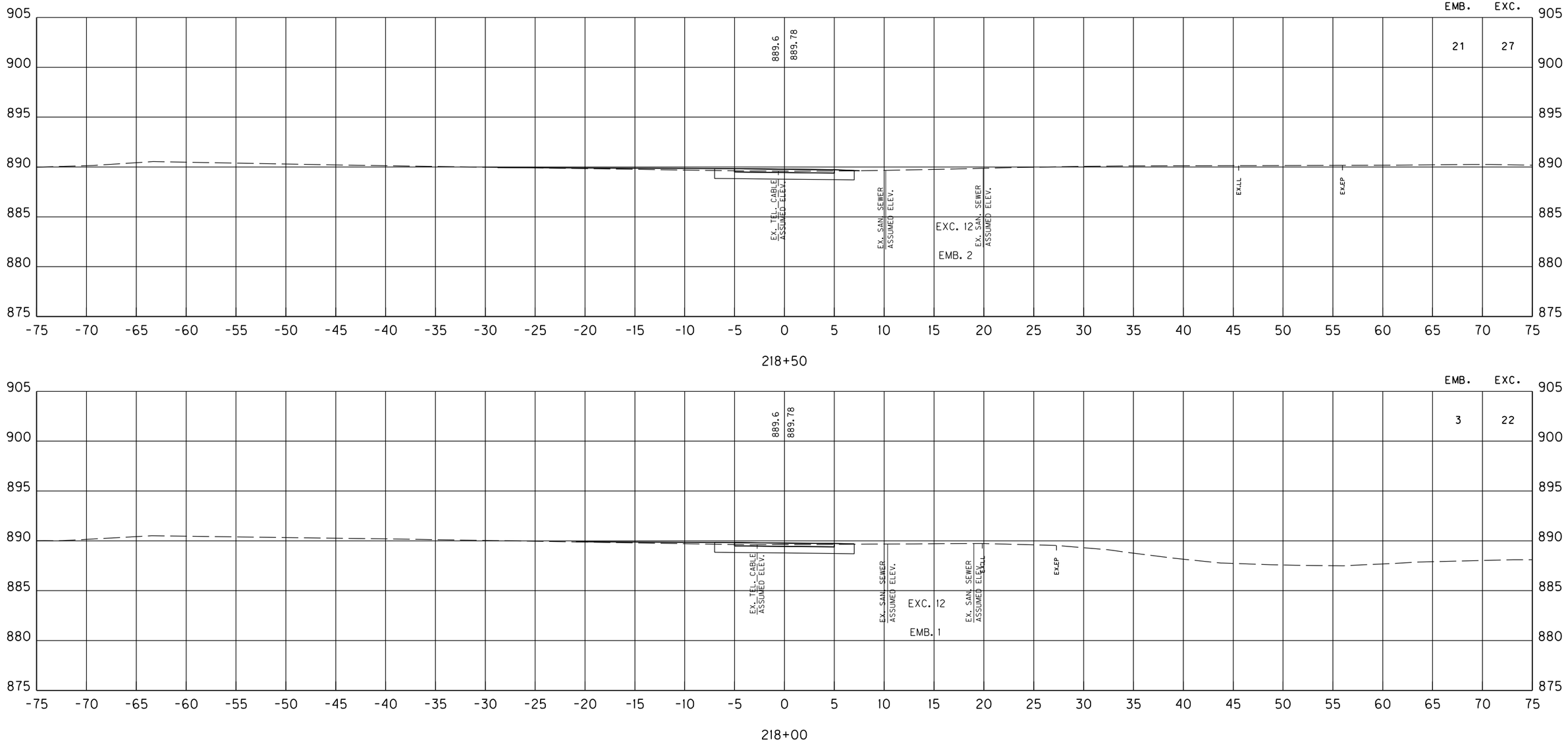


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 217+00 TO STA. 217+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X136

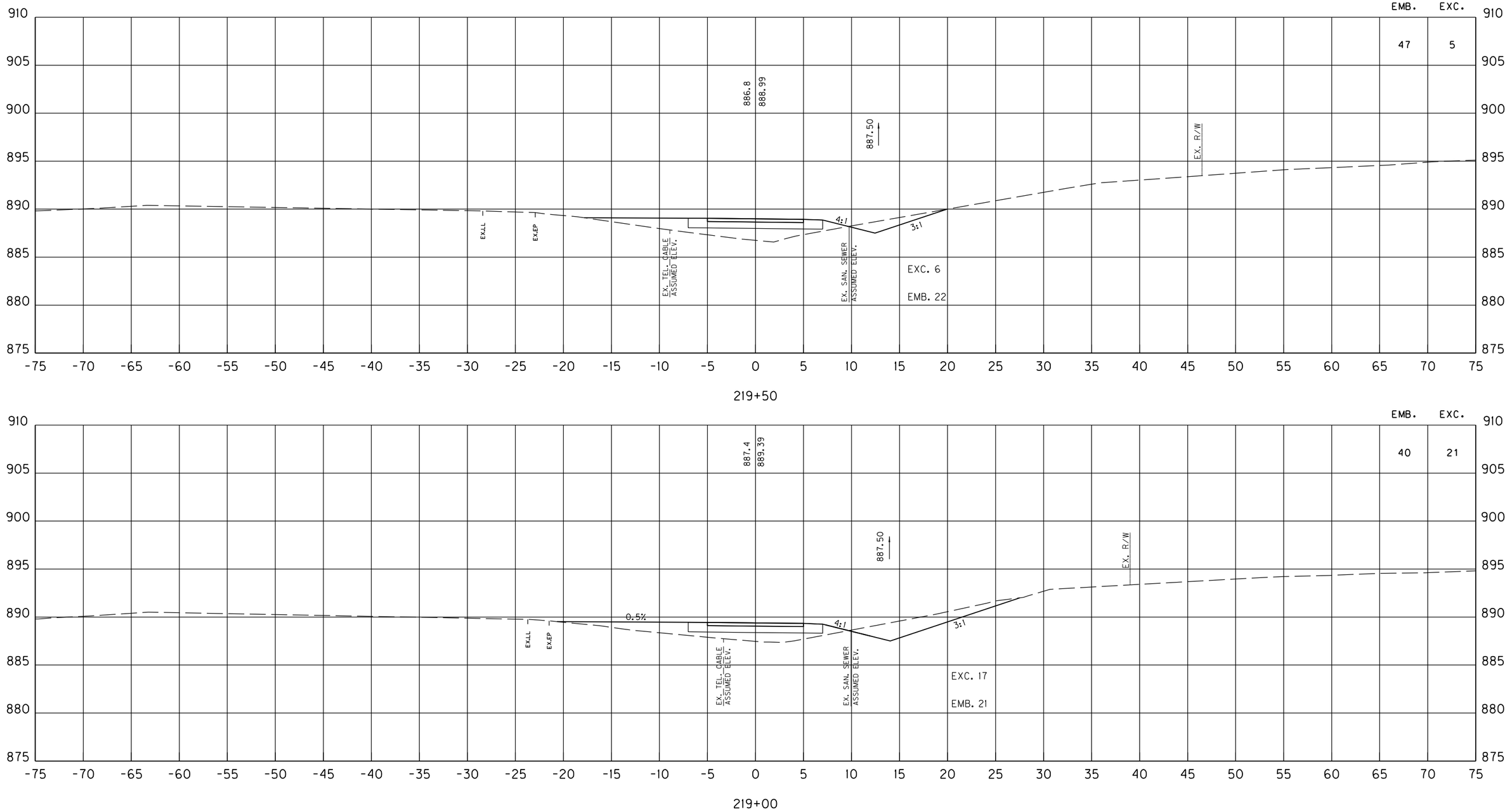


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 218+00 TO STA. 218+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X137



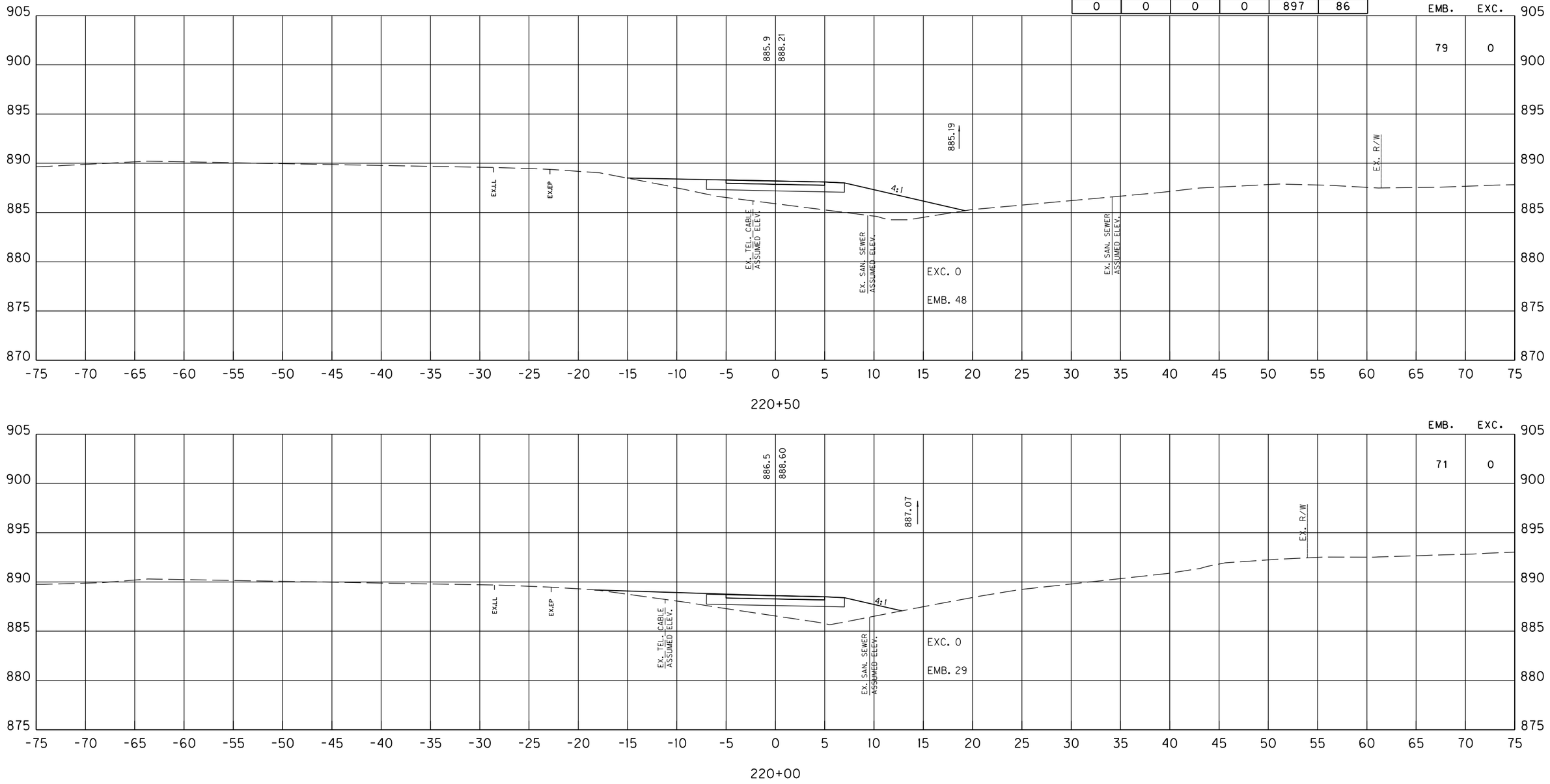
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 219+00 TO STA. 219+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	XI38

SHEET TOTALS STA. 215+00 TO 220+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	897	86

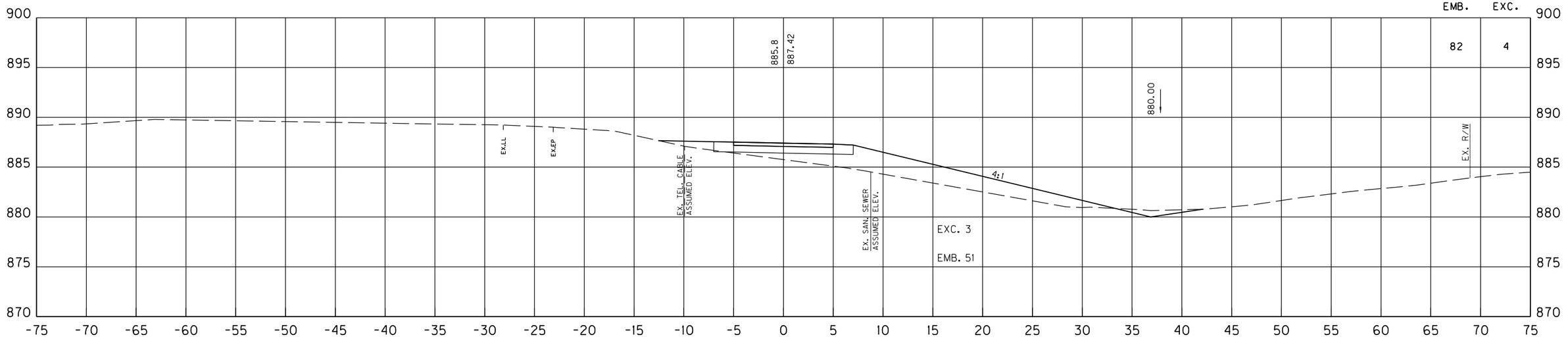


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

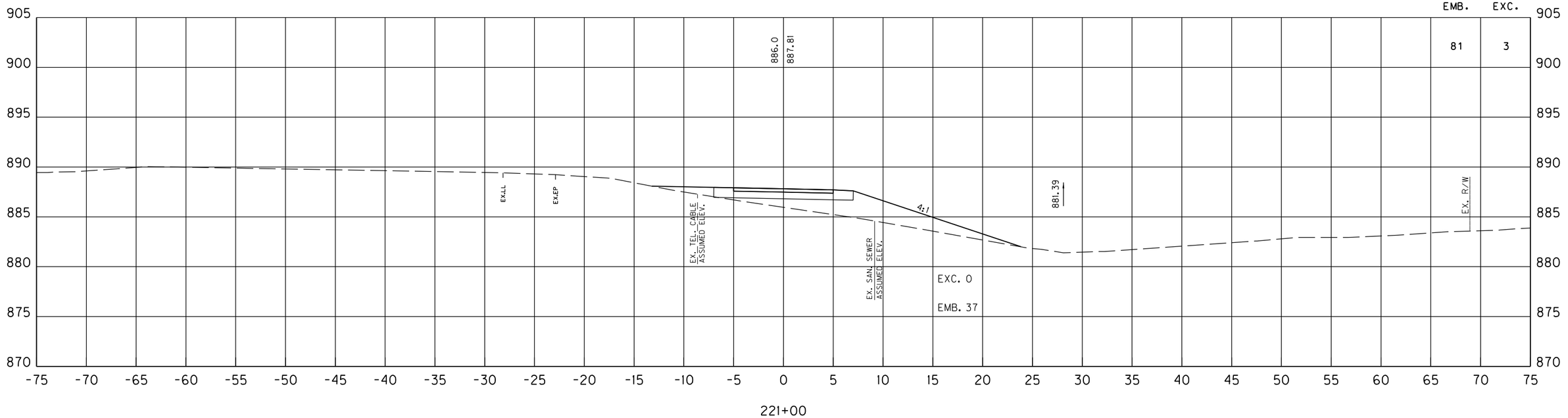
KY 237 MUP
STA. 220+00 TO STA. 220+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X139



221+50



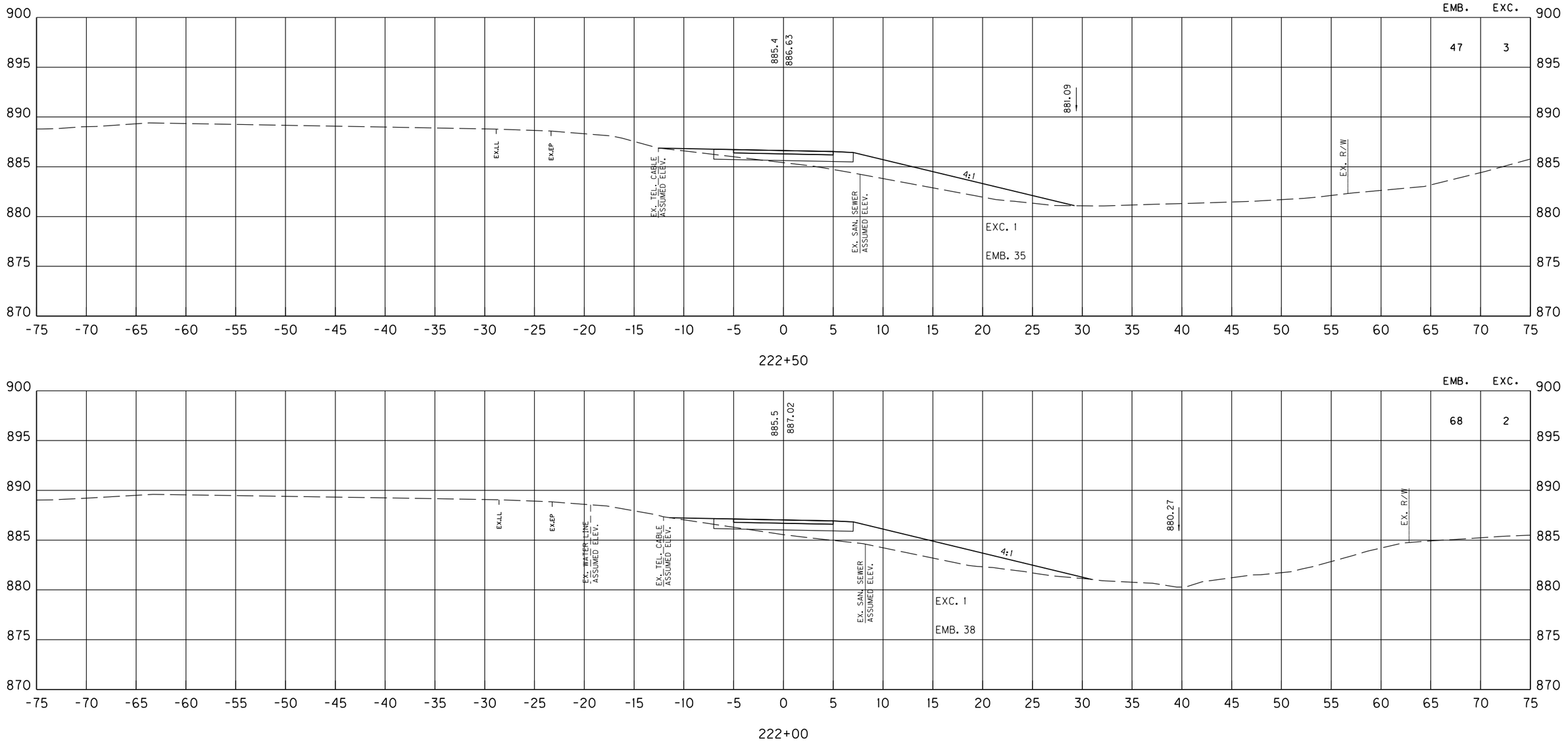
221+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 221+00 TO STA. 221+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X140

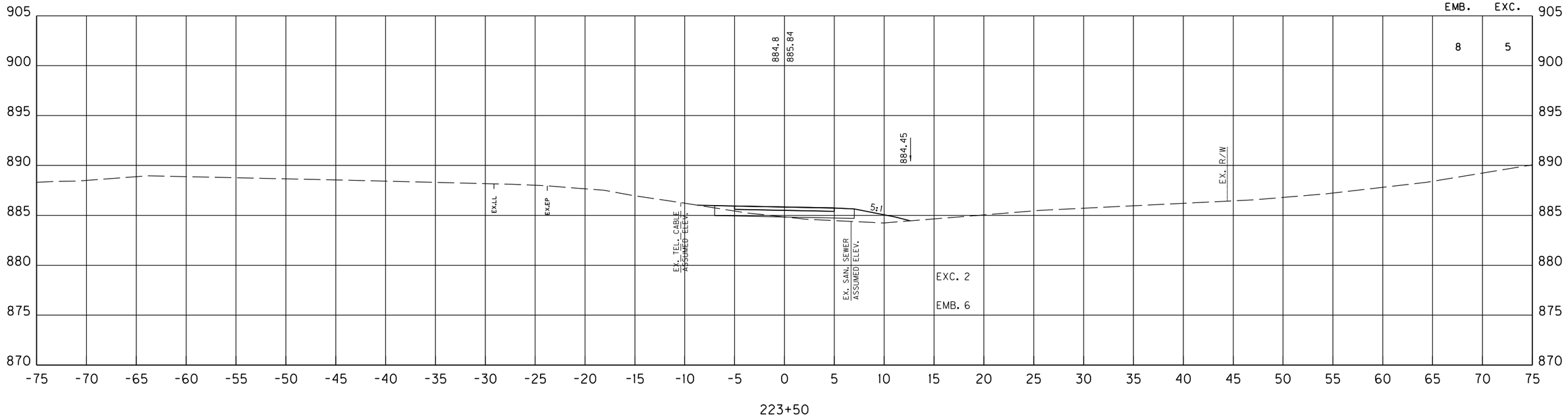


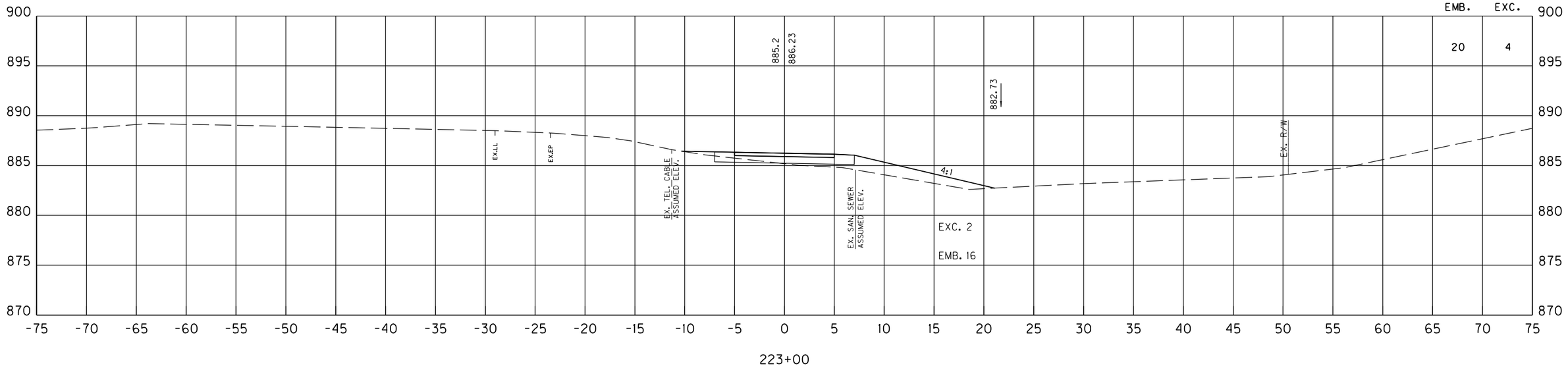
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 222+00 TO STA. 222+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X141



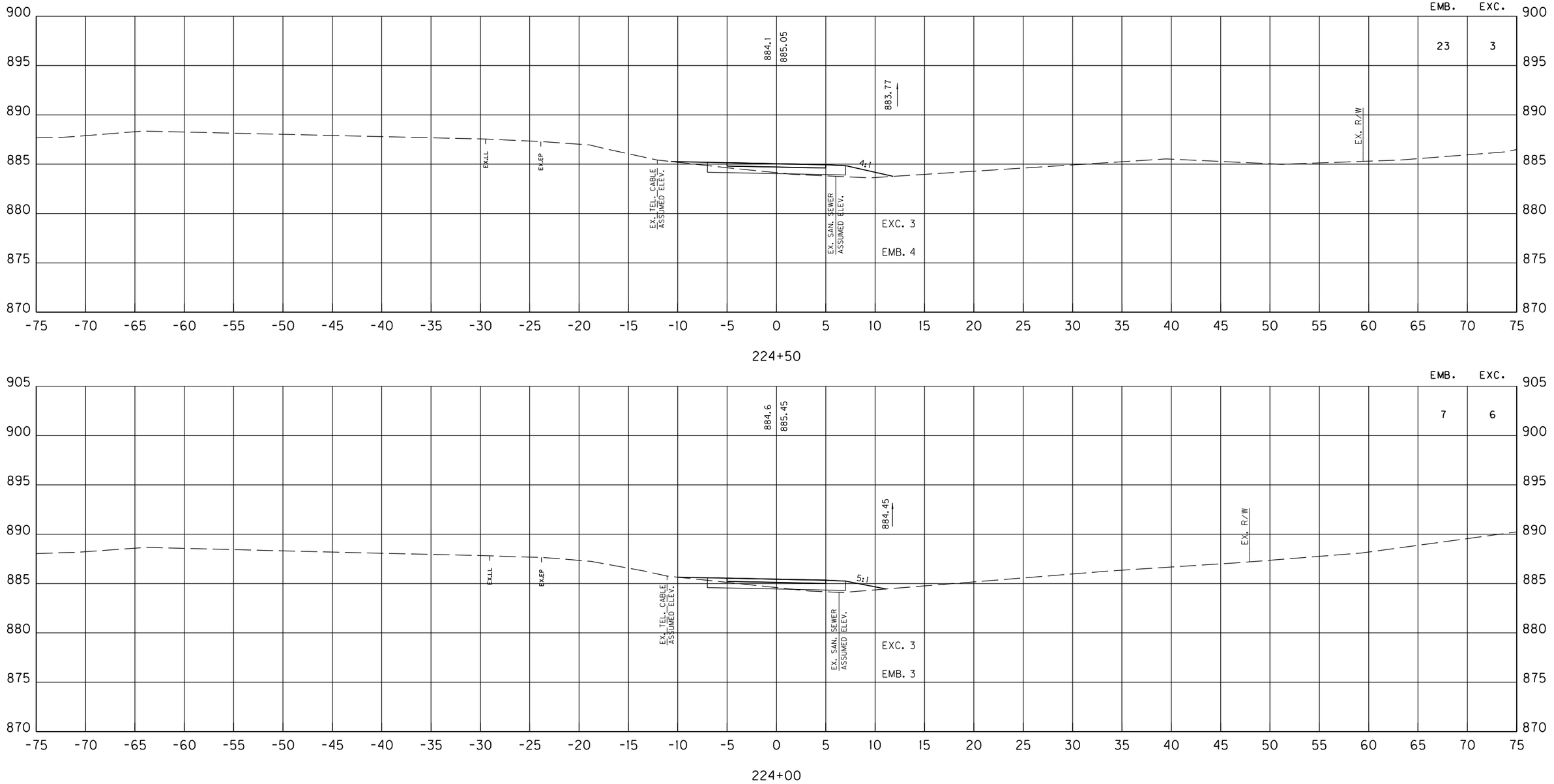


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 223+00 TO STA. 223+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X142



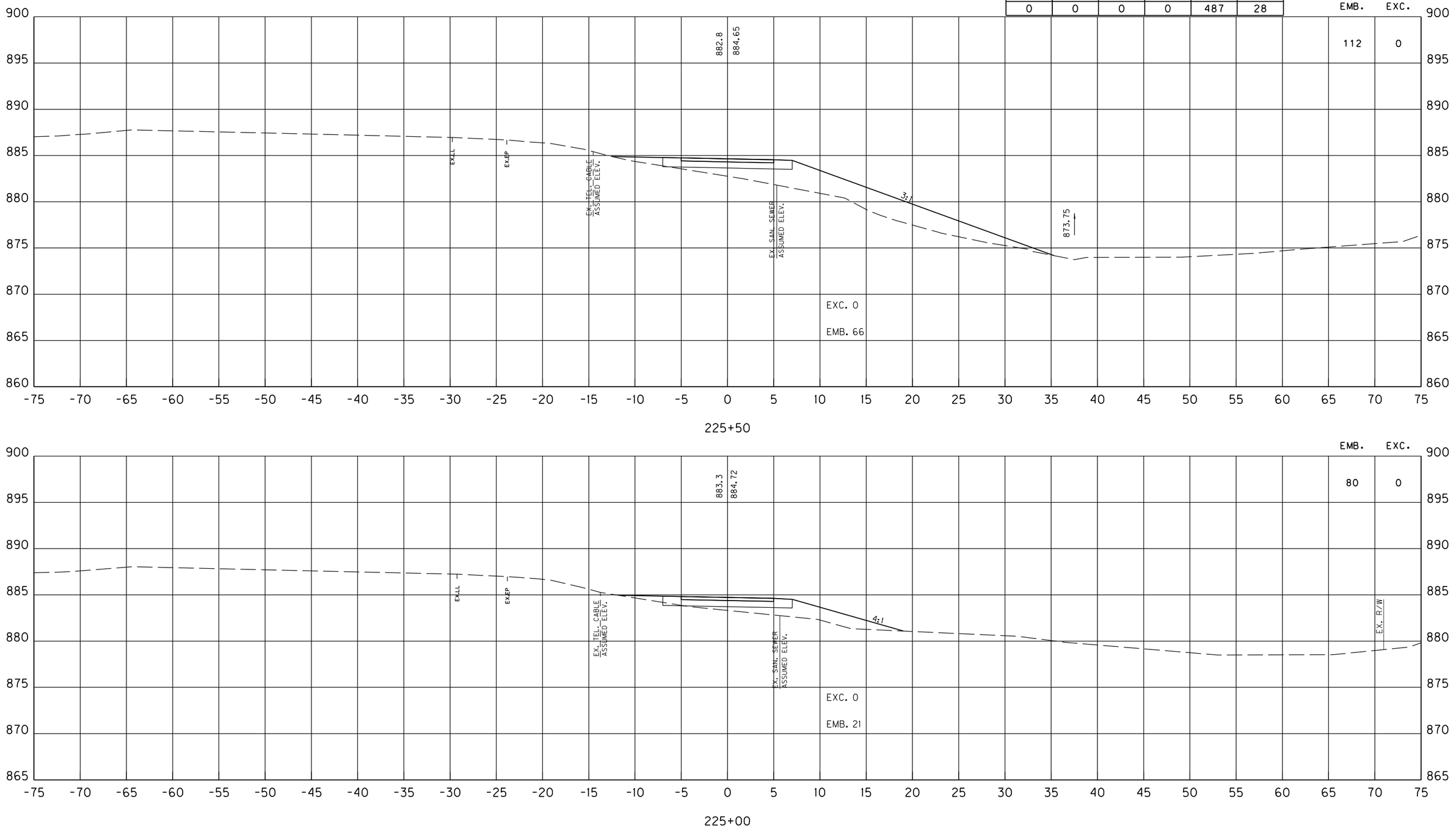
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 224+00 TO STA. 224+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X143

SHEET TOTALS STA. 220+00 TO 225+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	487	28

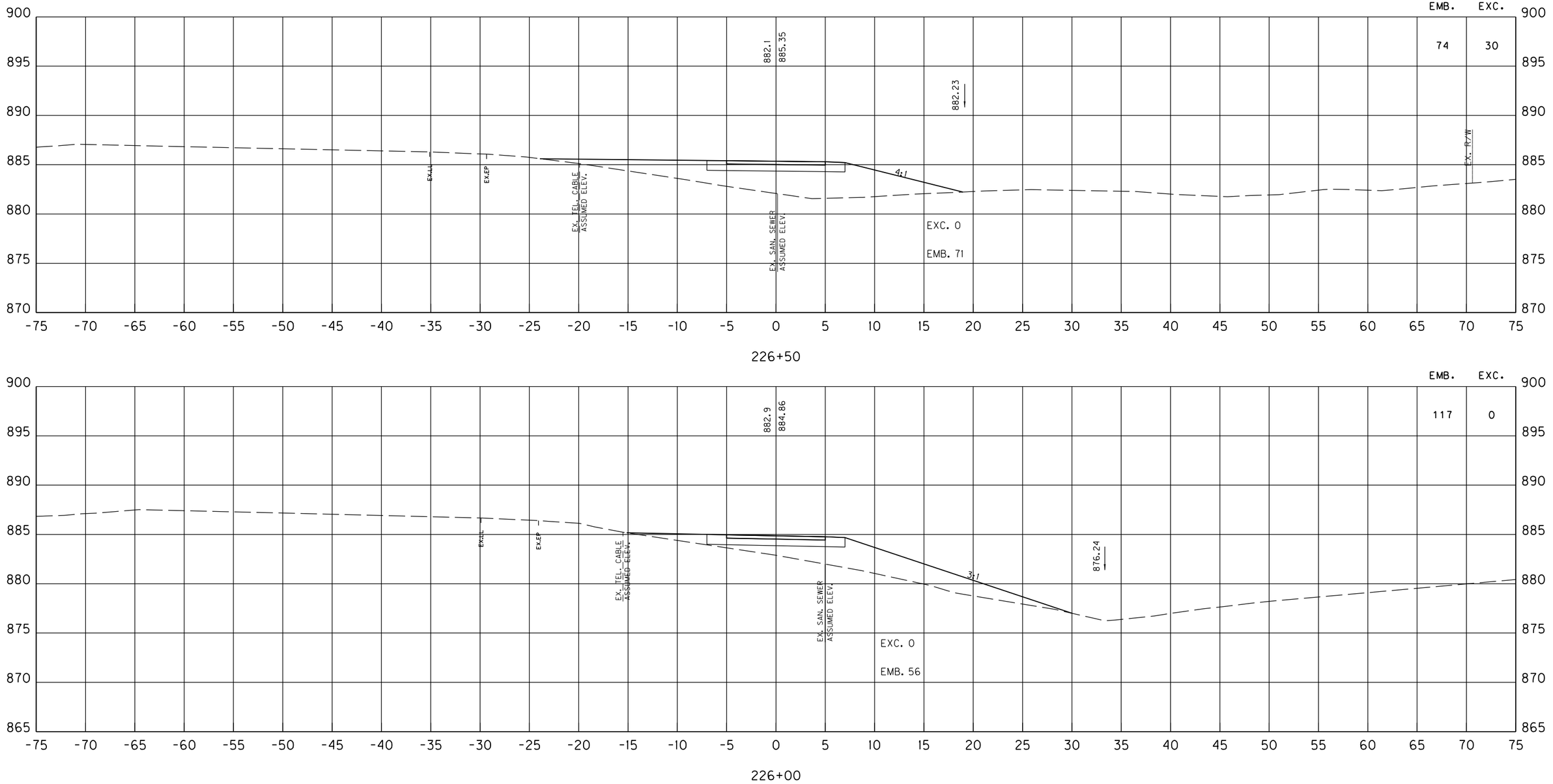


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 225+00 TO STA. 225+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X144

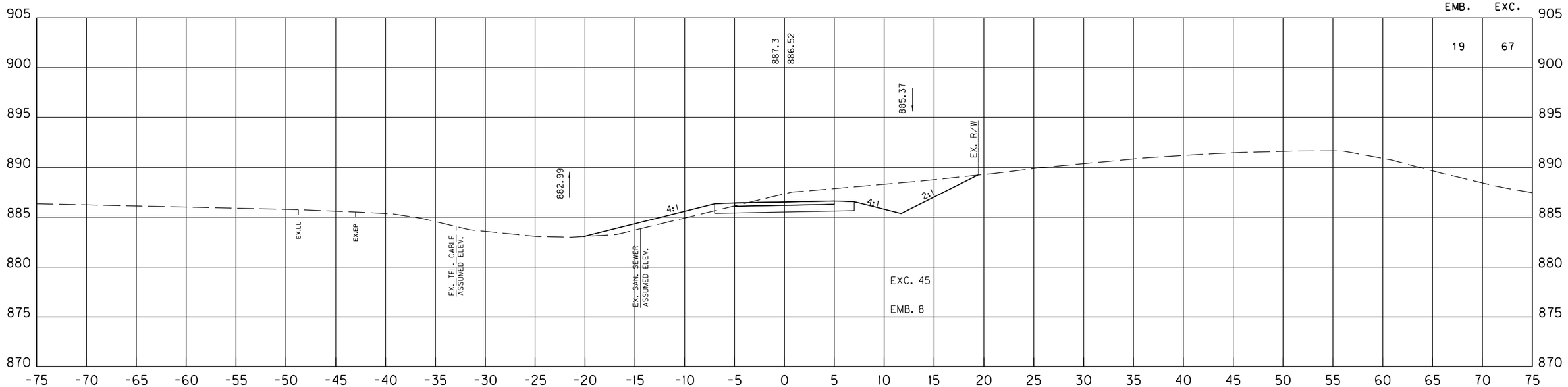


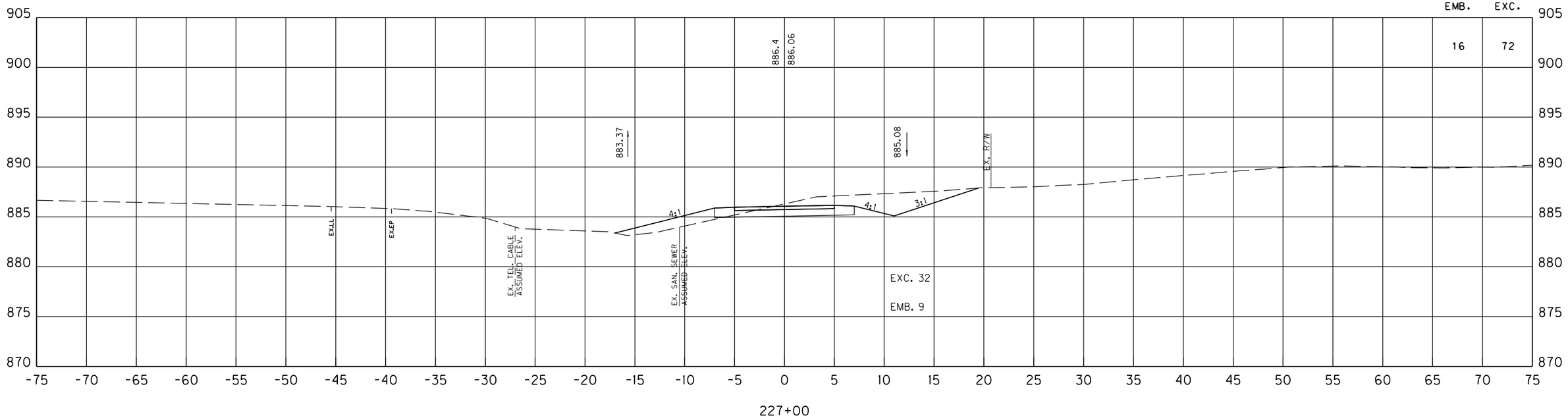
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 226+00 TO STA. 226+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X145



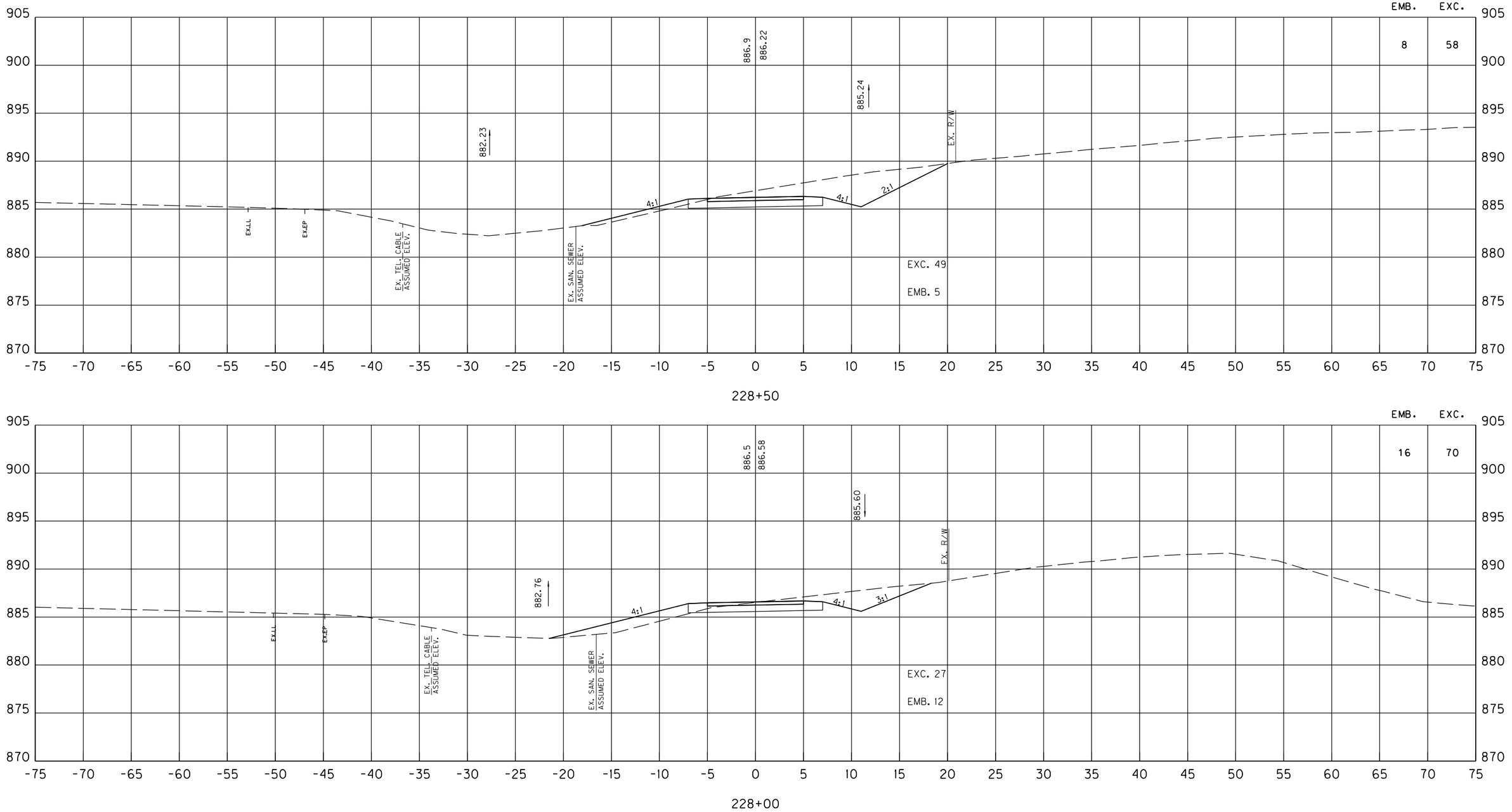


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 227+00 TO STA. 227+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X146

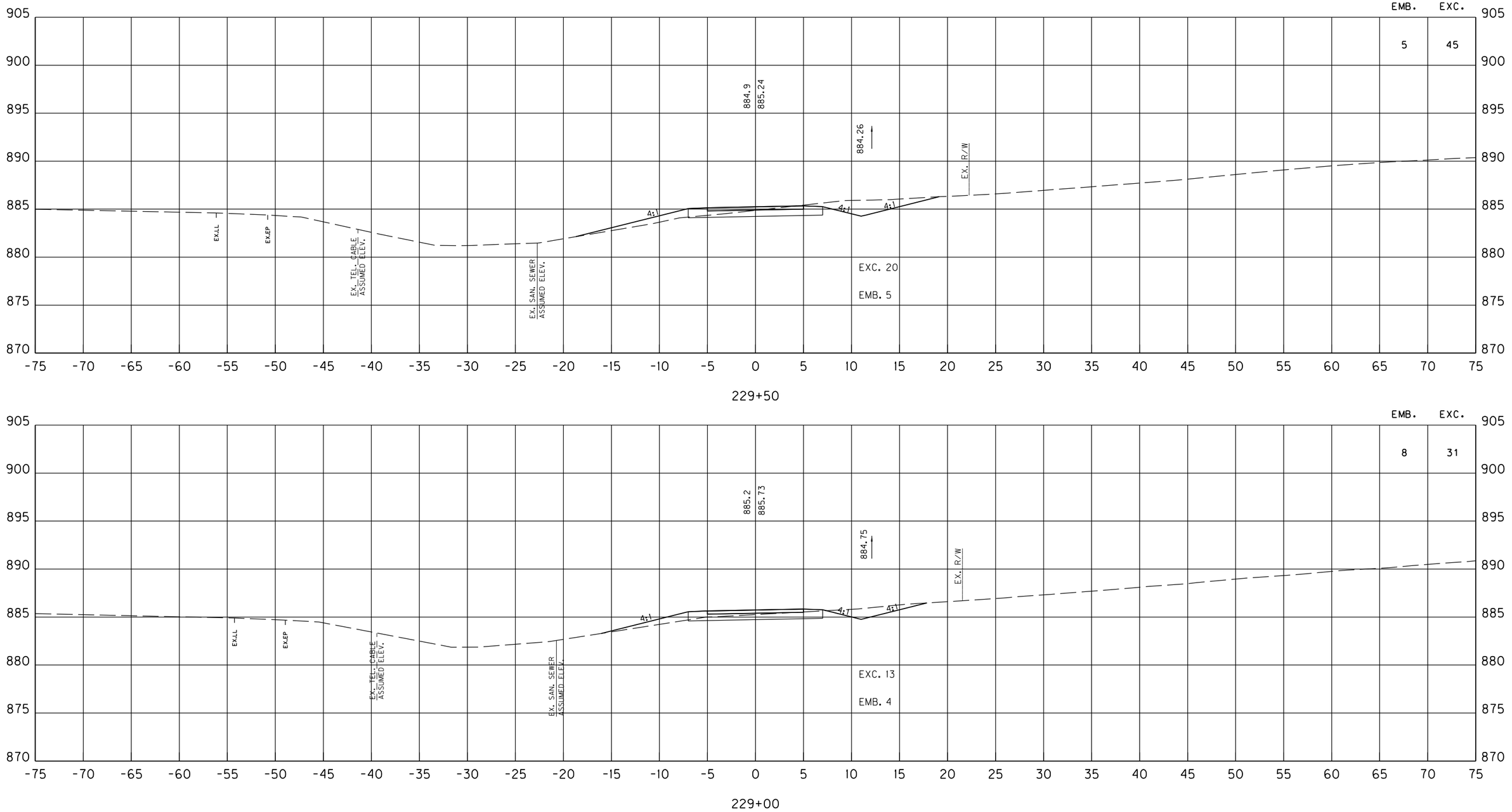


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 228+00 TO STA. 228+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X147



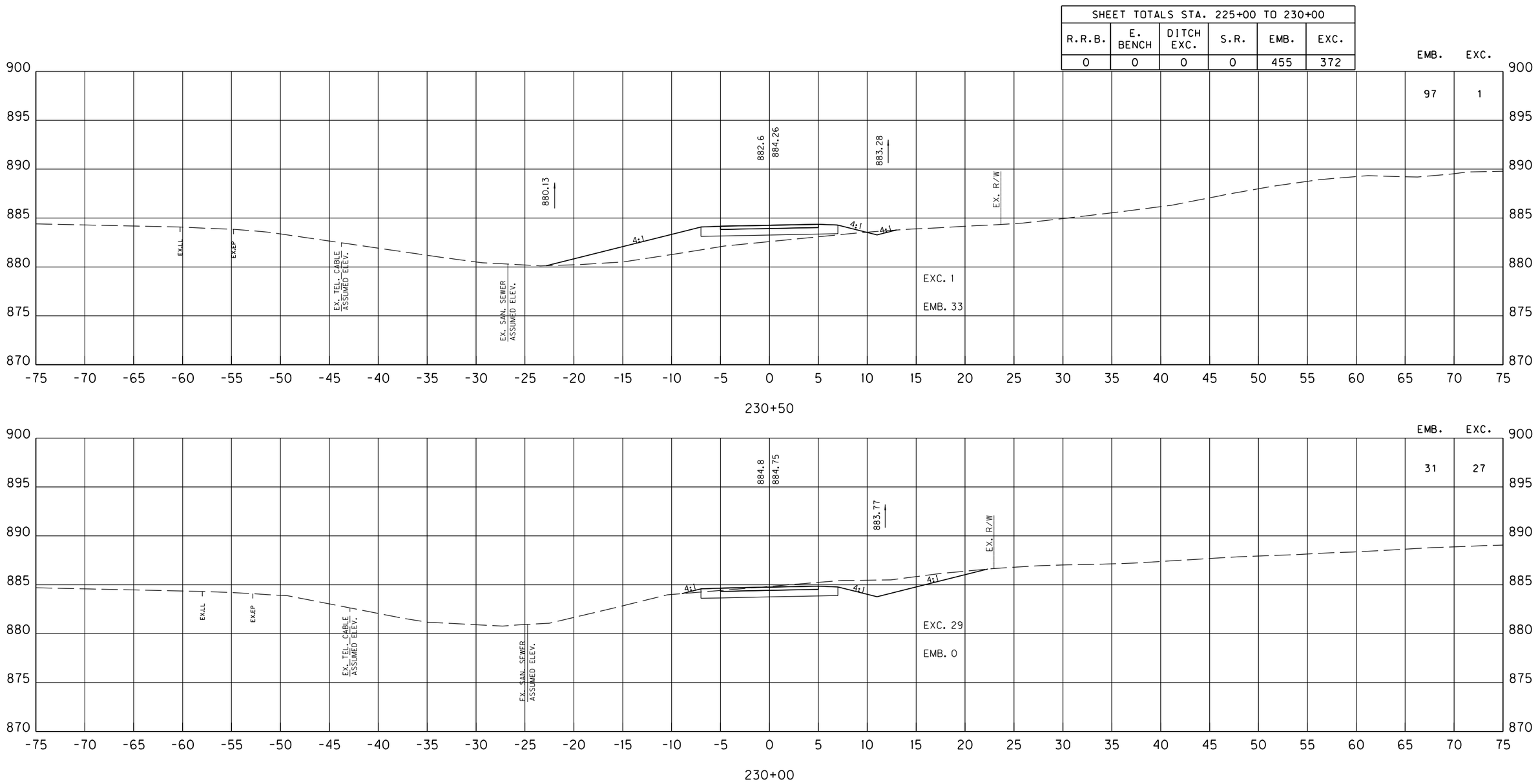
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 229+00 TO STA. 229+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X148

SHEET TOTALS STA. 225+00 TO 230+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	455	372

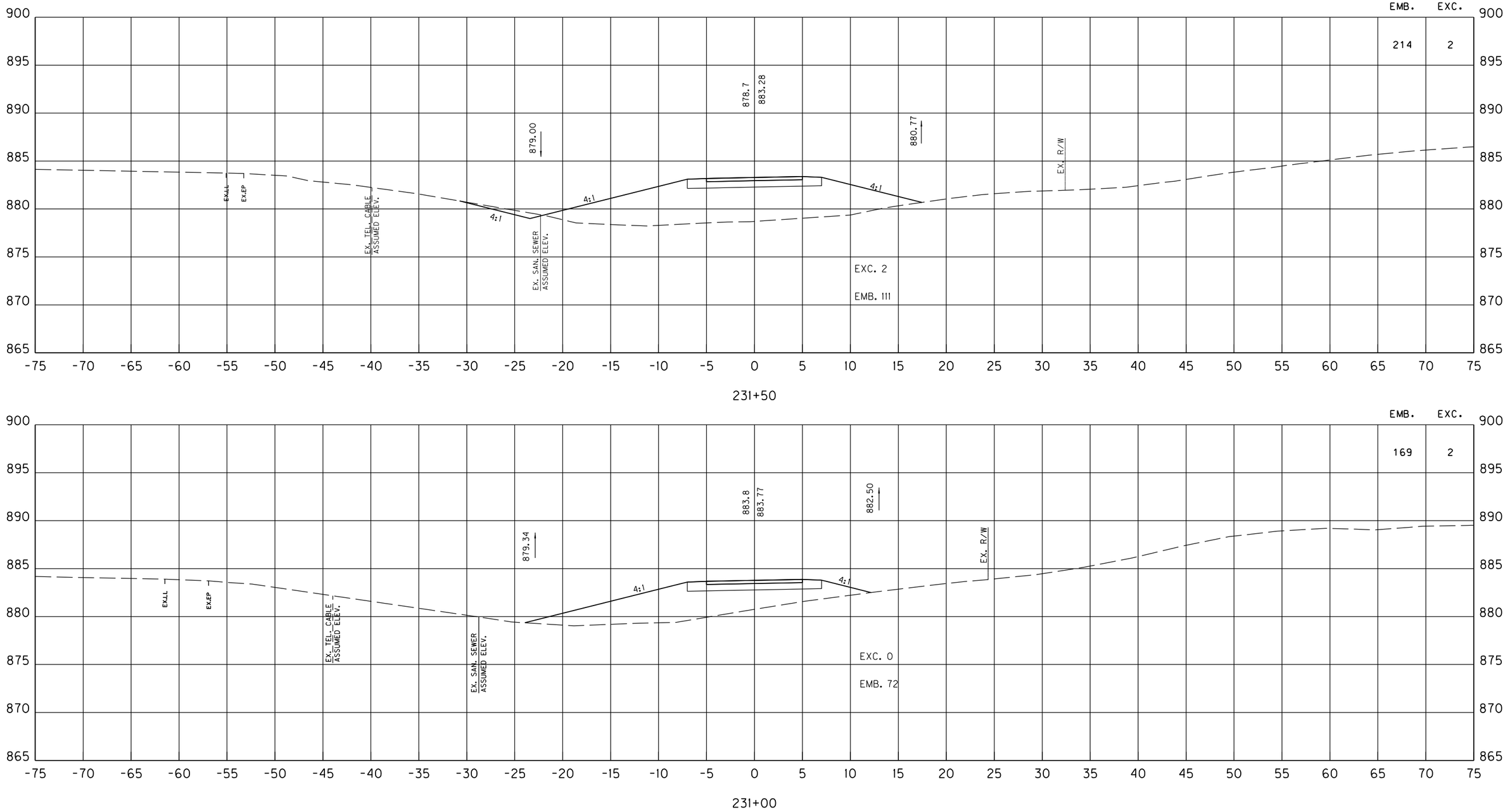


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 230+00 TO STA. 230+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X149

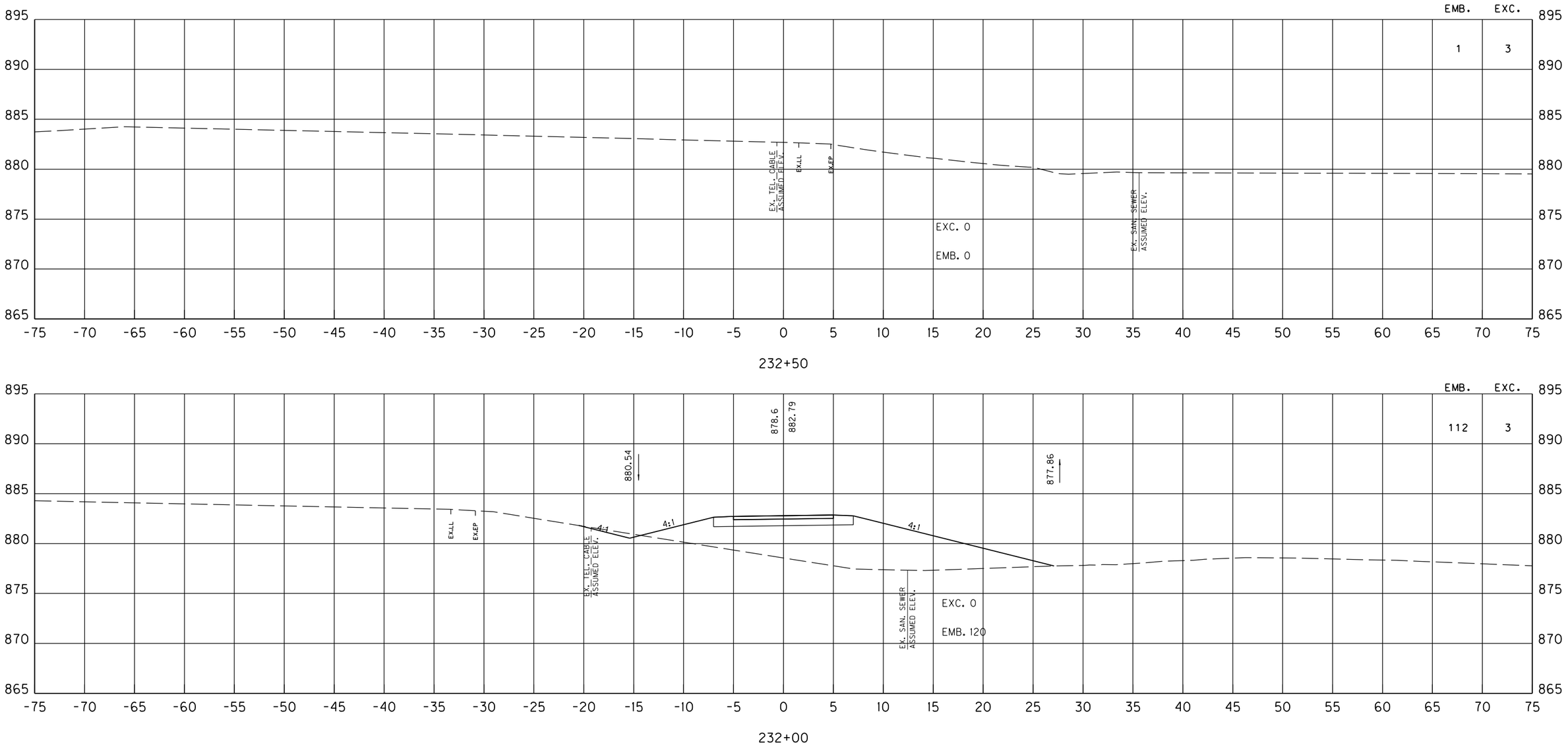


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 231+00 TO STA. 231+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X150

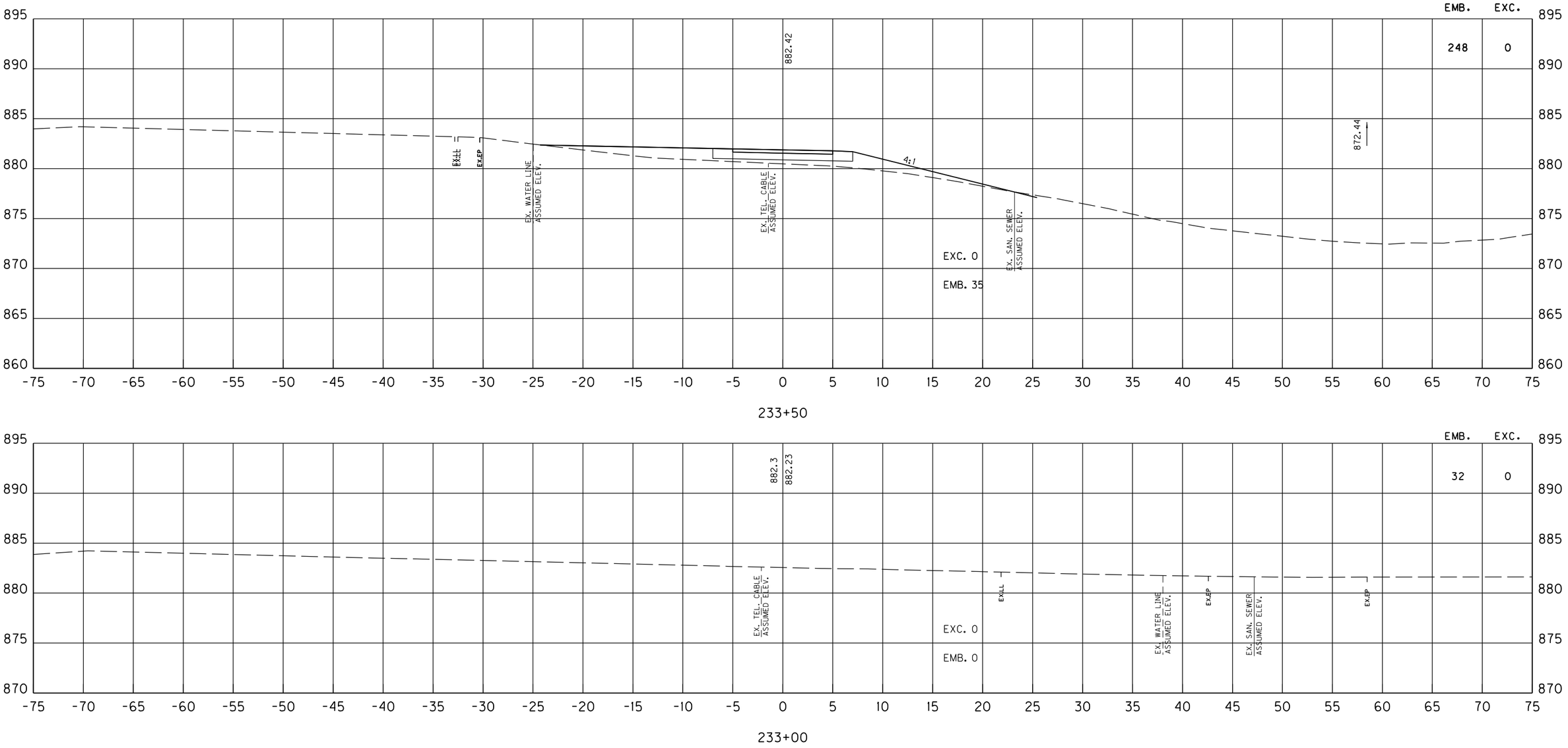


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 232+00 TO STA. 232+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X151

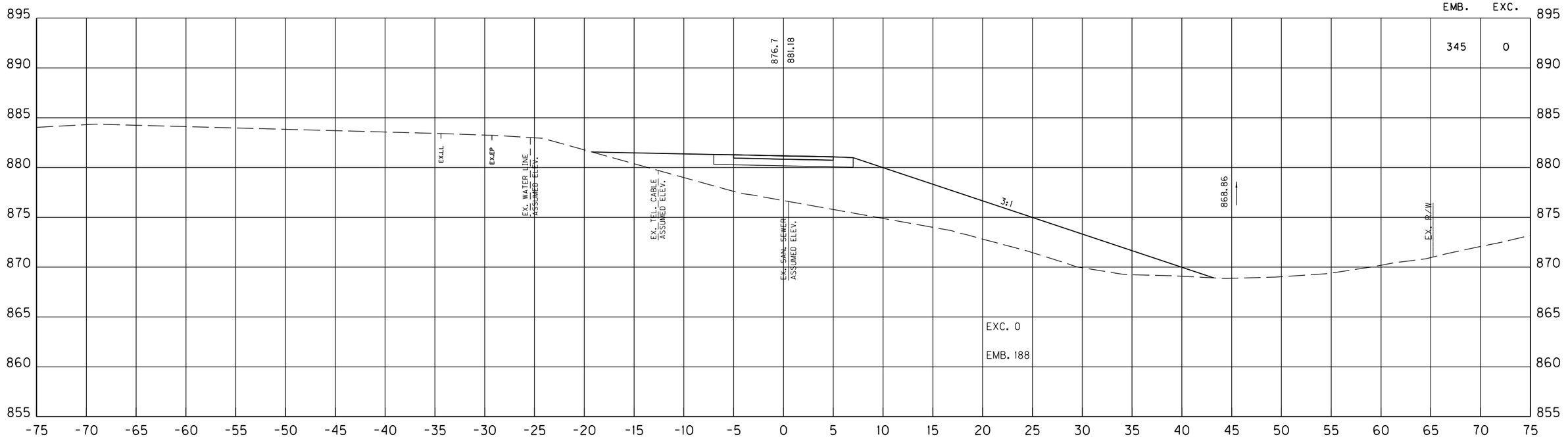


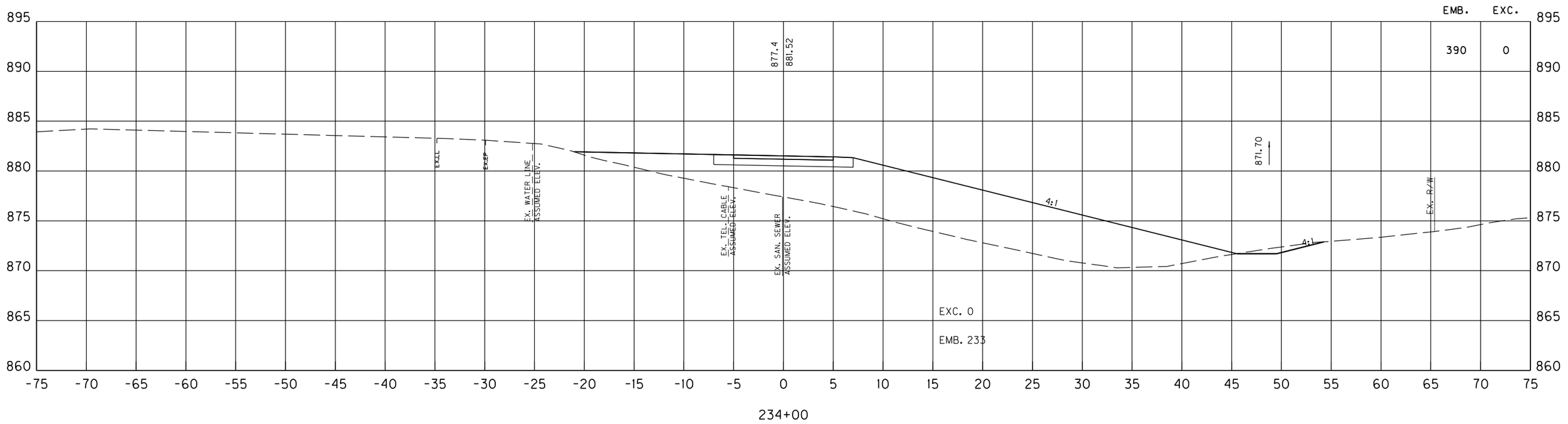
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 233+00 TO STA. 233+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X152



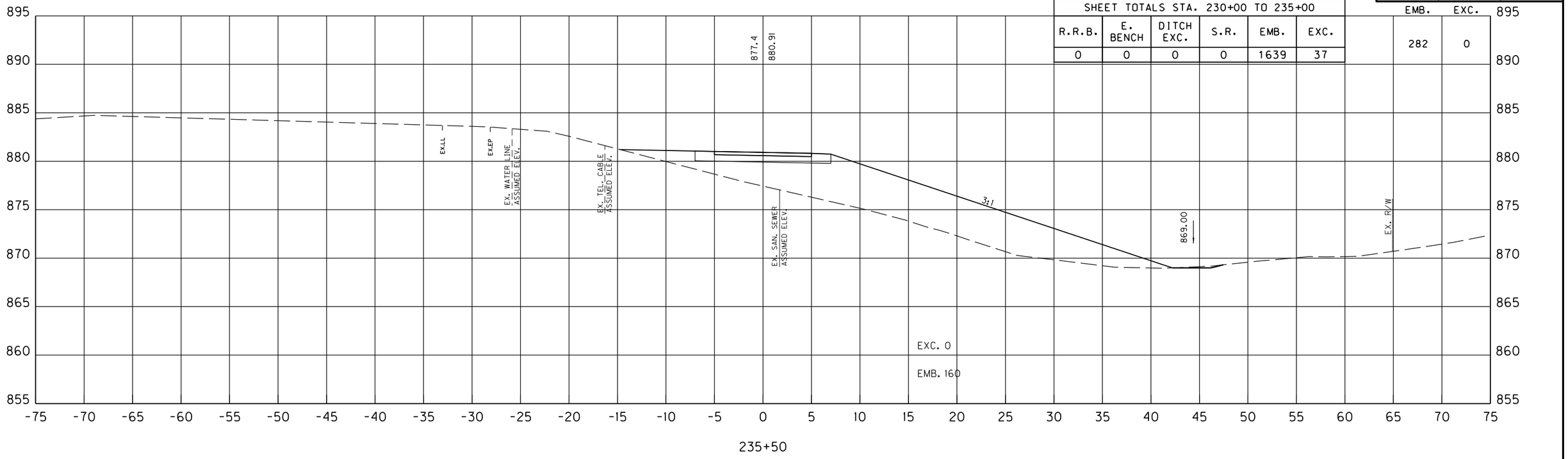


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 234+00 TO STA. 234+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X153

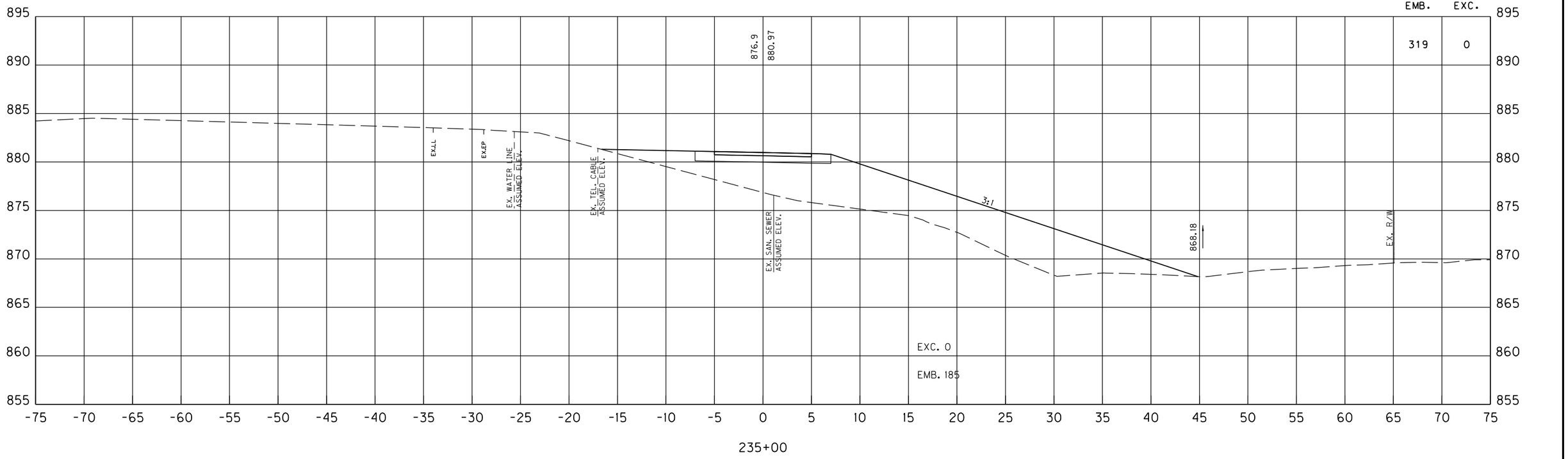


235+50

SHEET TOTALS STA. 230+00 TO 235+00

R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	1639	37

EMB.	EXC.
282	0



235+00

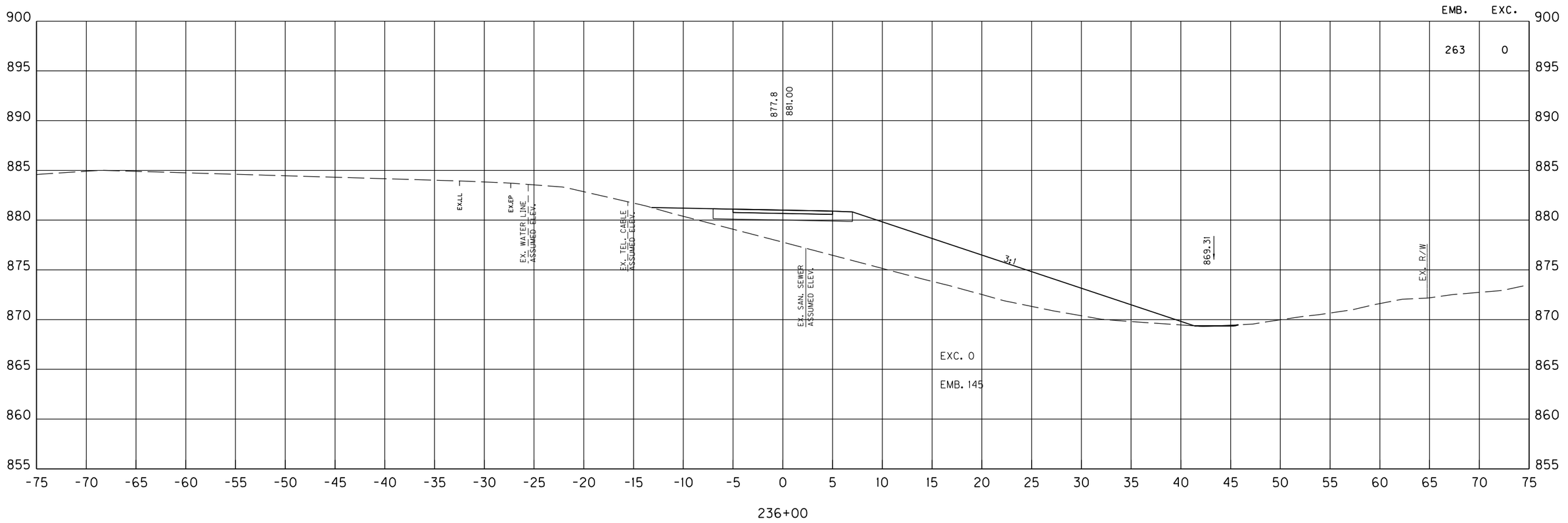
EMB.	EXC.
319	0

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 235+00 TO STA. 235+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X154

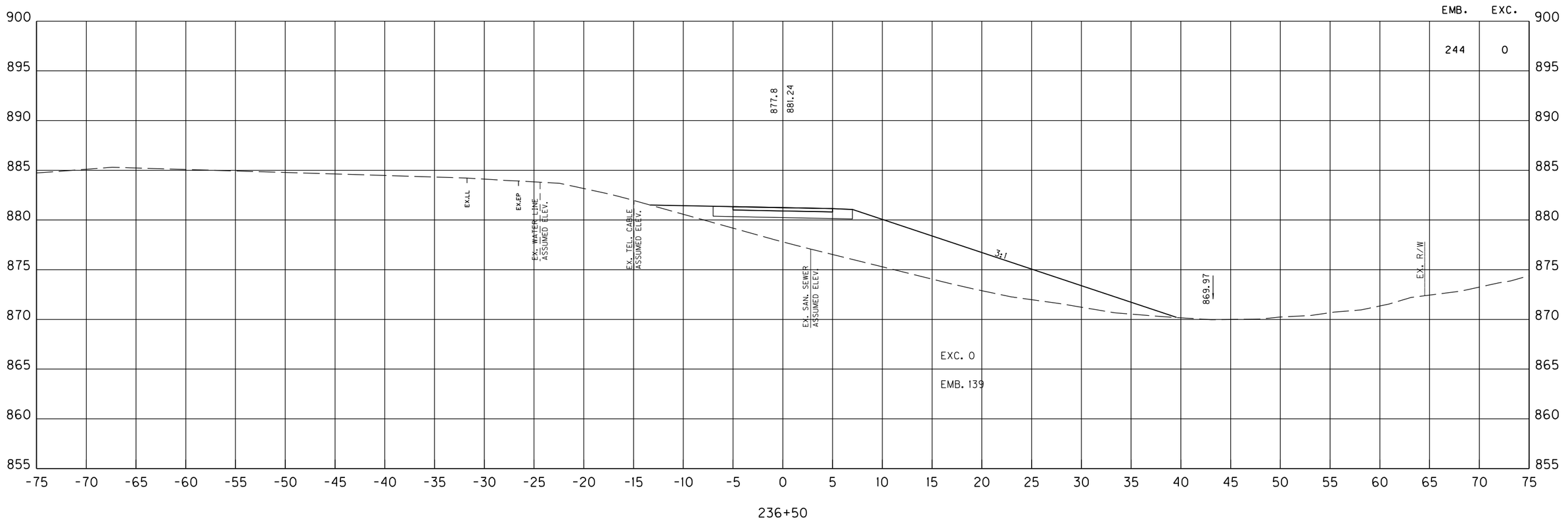


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 236+00 TO STA. 236+00
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet | DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X155

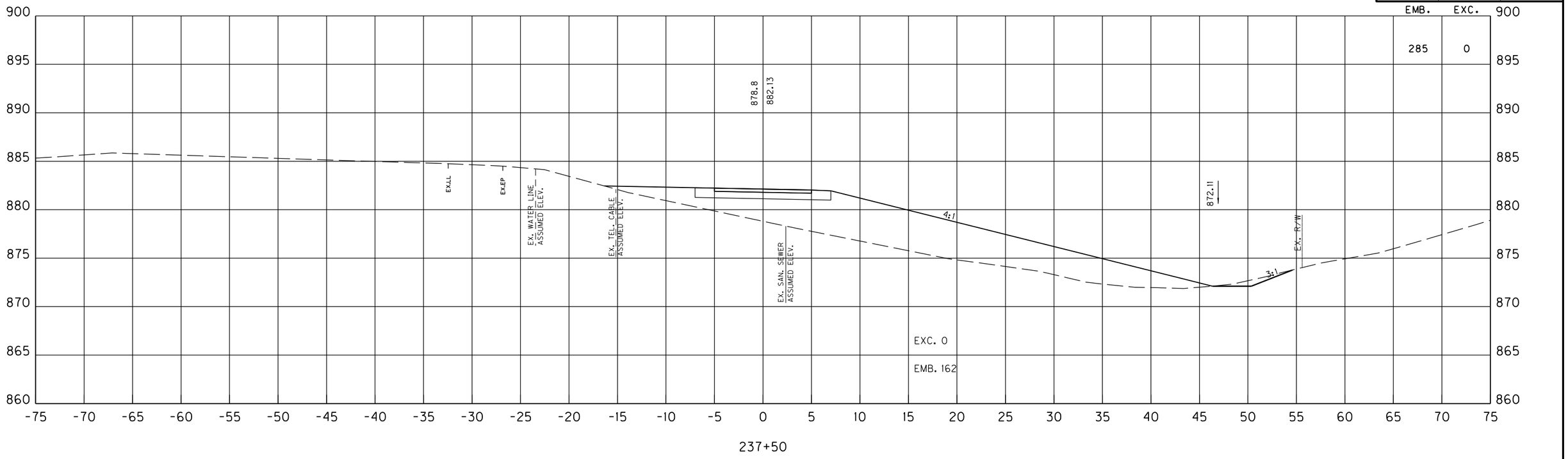


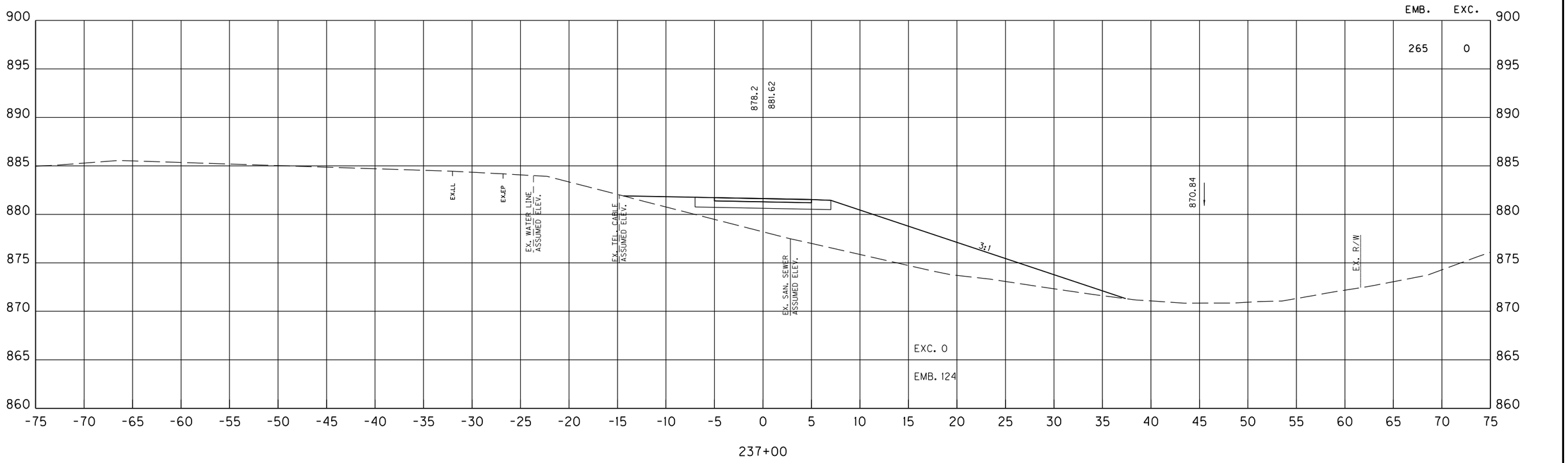
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 236+50 TO STA. 236+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X156



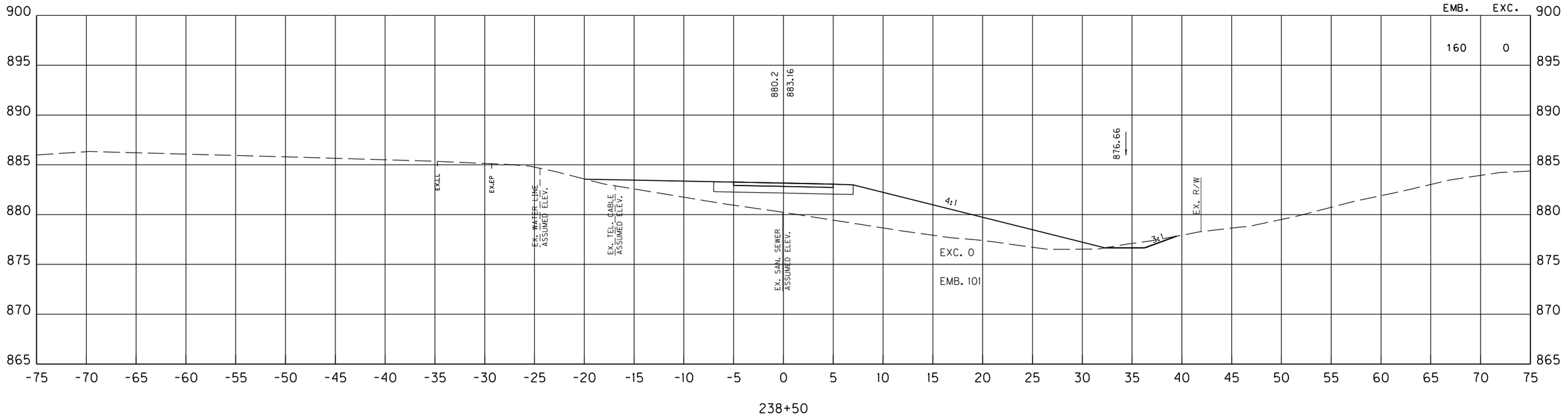


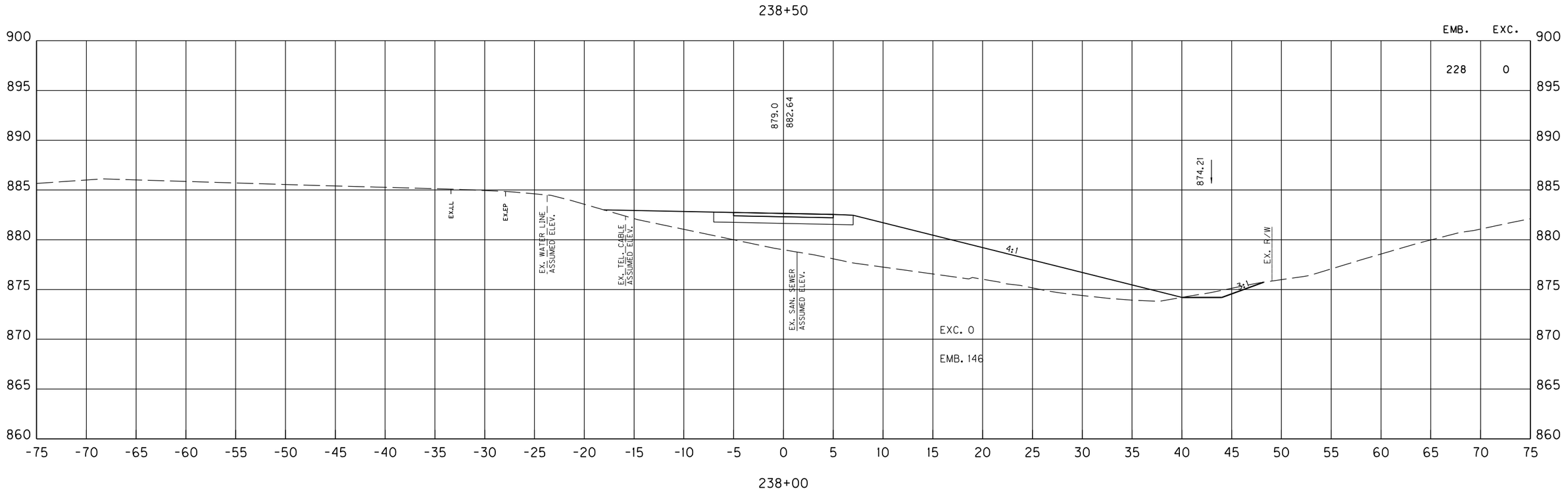
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 237+00 TO STA. 237+50
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X157



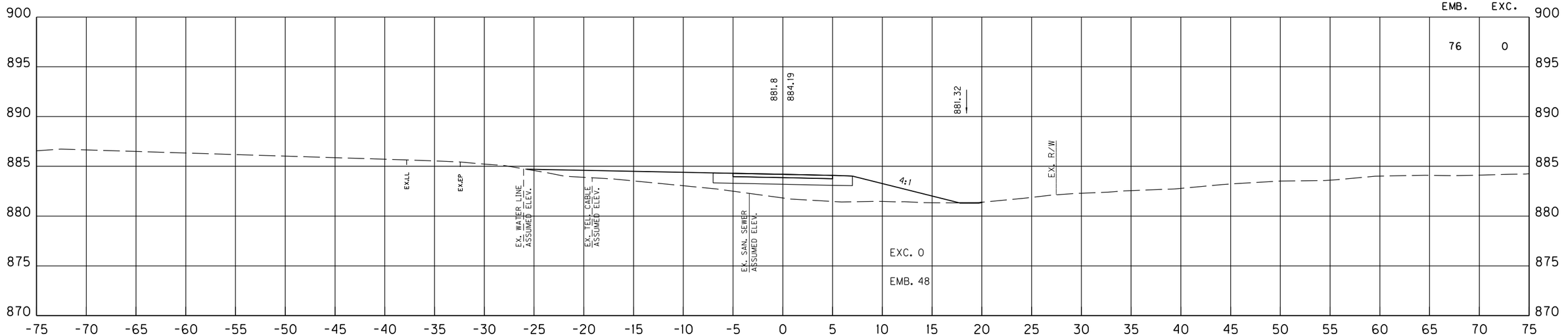


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

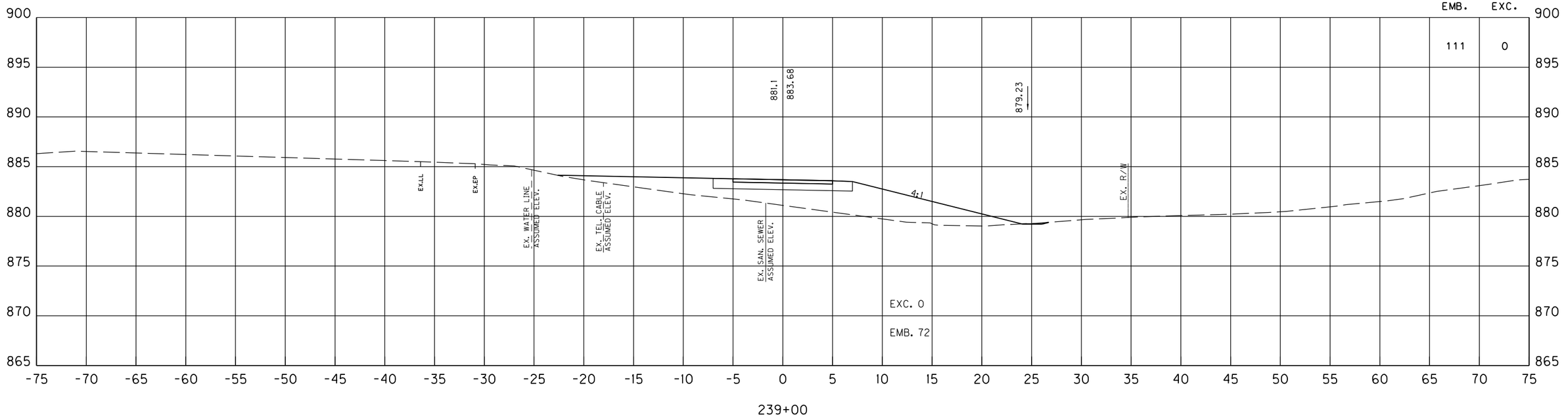
KY 237 MUP
STA. 238+00 TO STA. 238+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X158



239+50



239+00

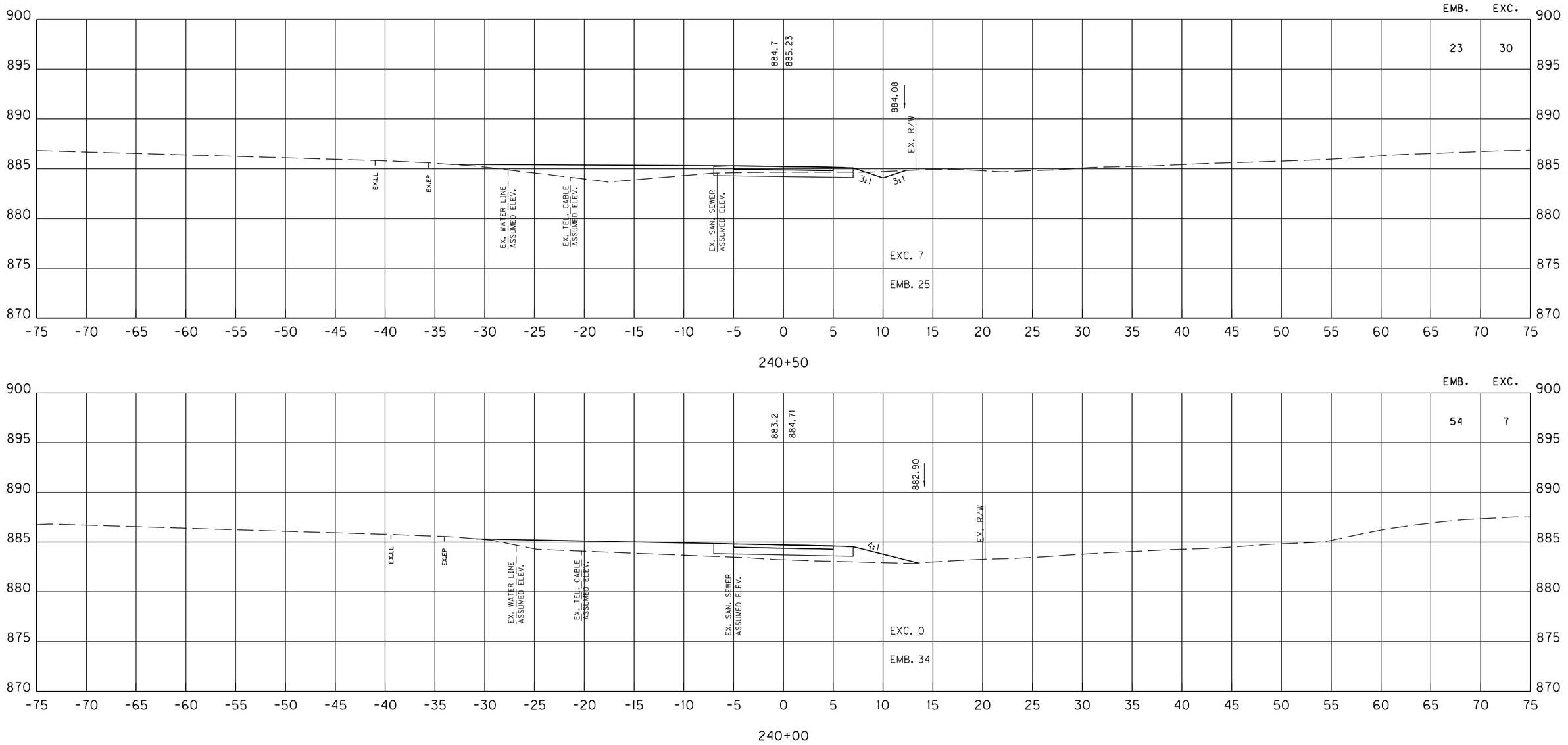
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 239+00 TO STA. 239+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X159

SHEET TOTALS STA. 235+00 TO 240+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	2232	0

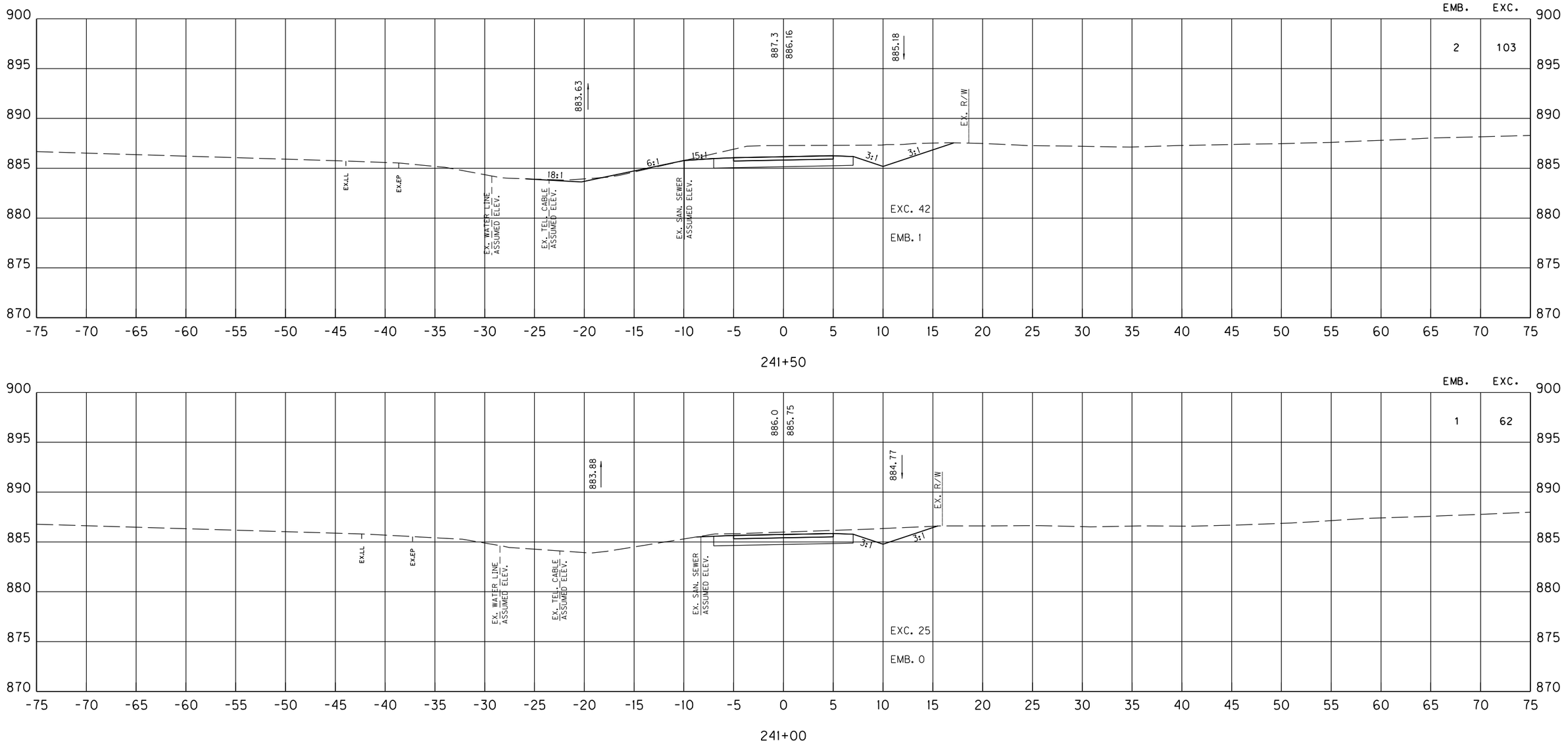


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 240+00 TO STA. 240+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X160

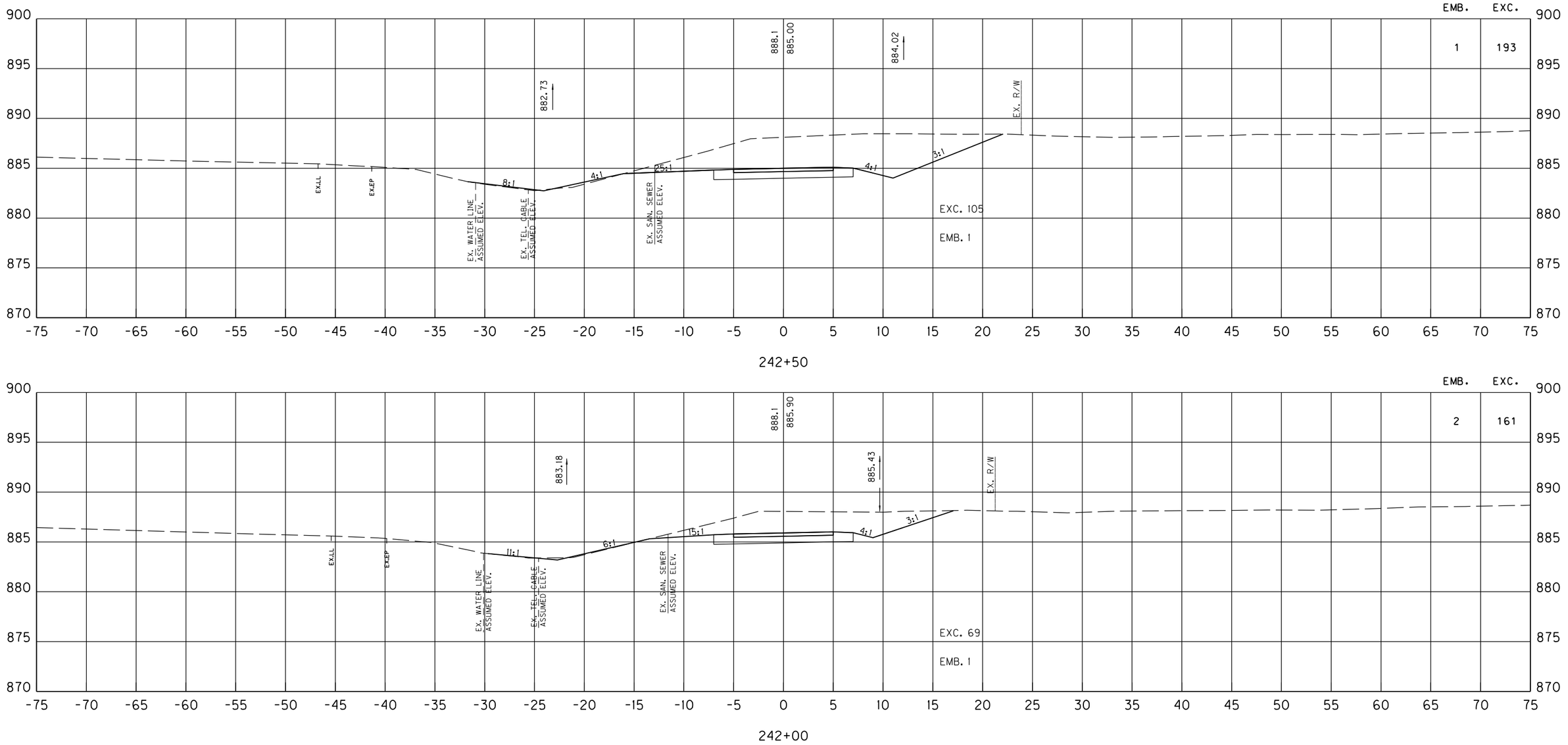


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 241+00 TO STA. 241+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X161

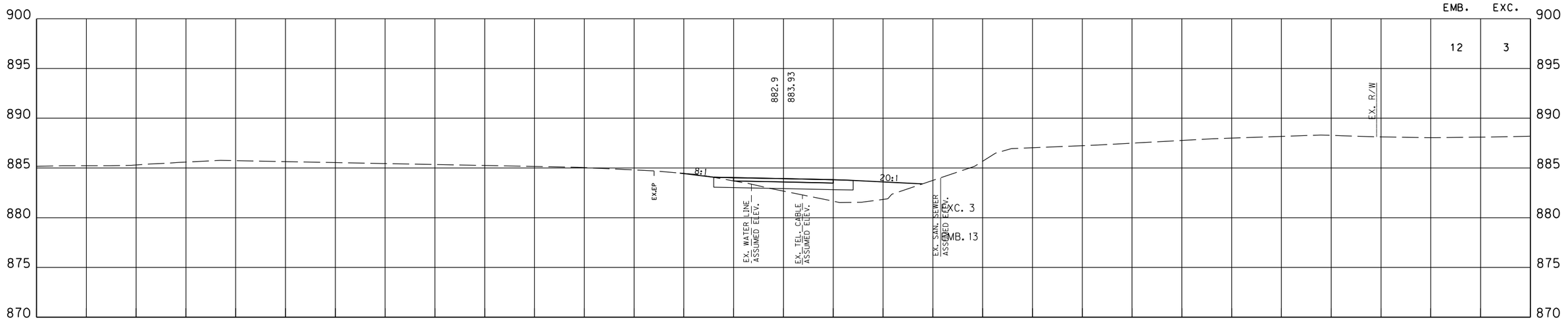


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

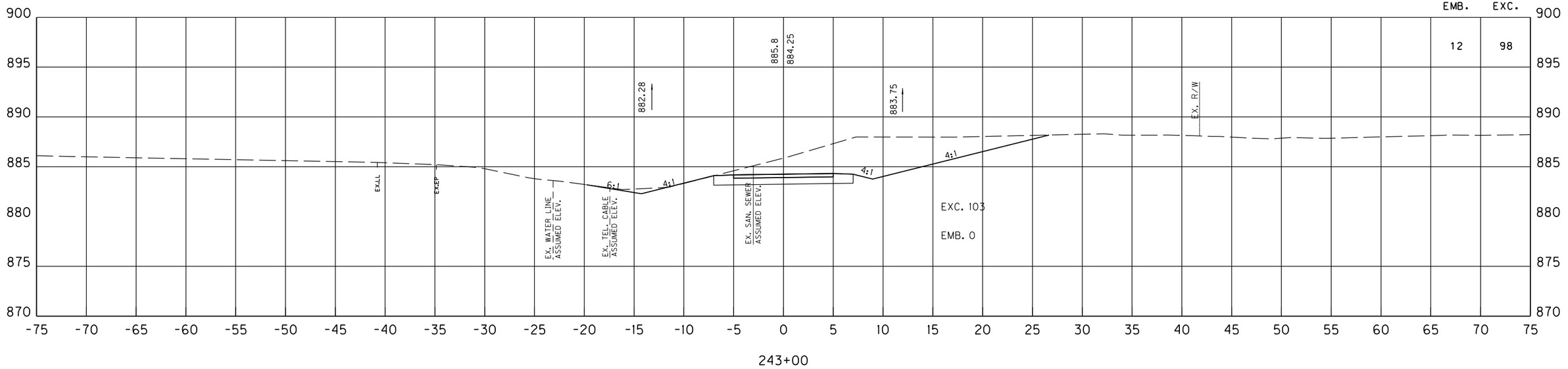
KY 237 MUP
STA. 242+00 TO STA. 242+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X162



243+50



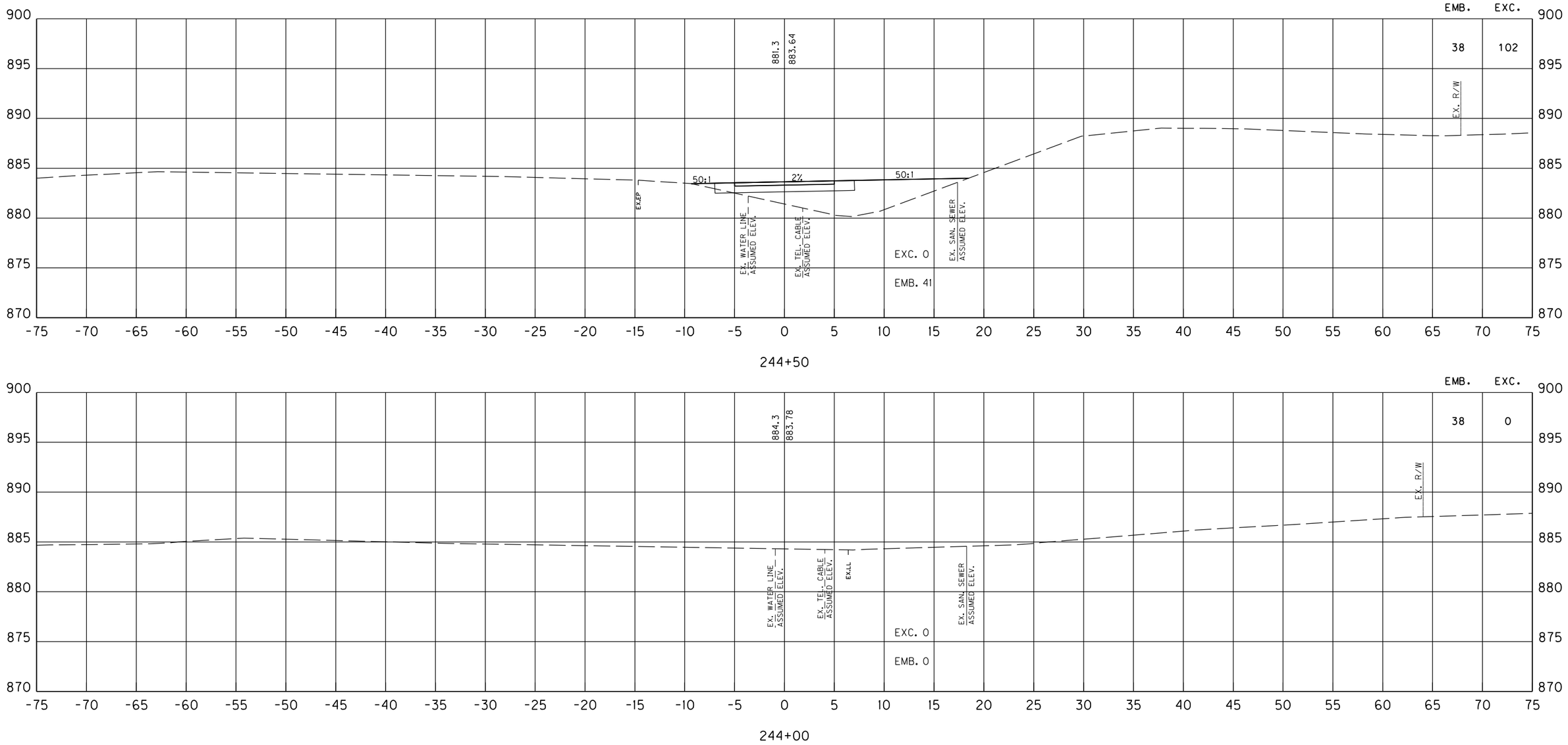
243+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 243+00 TO STA. 243+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X163



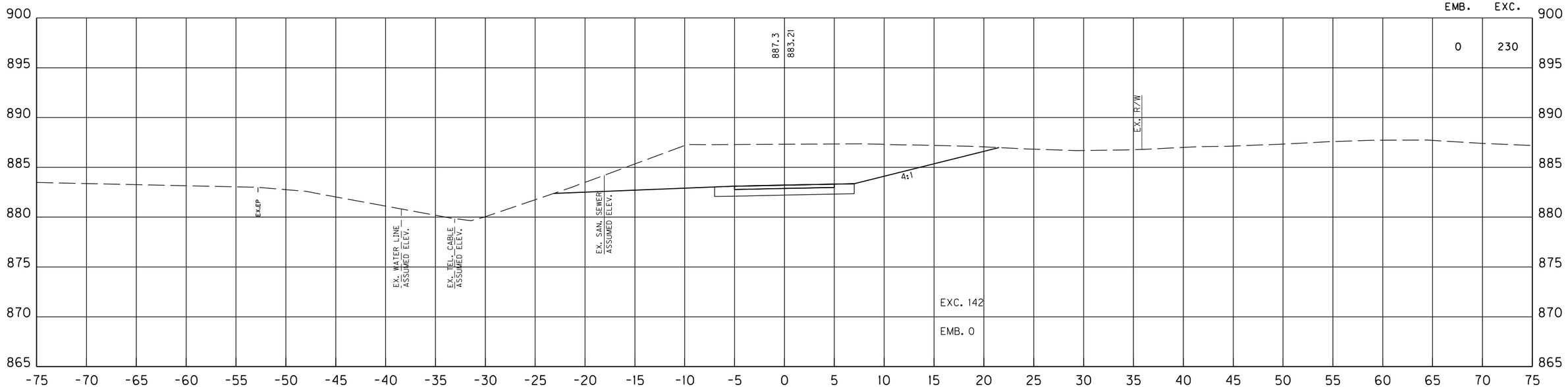
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 244+00 TO STA. 244+50
MAINLINE CROSS SECTIONS

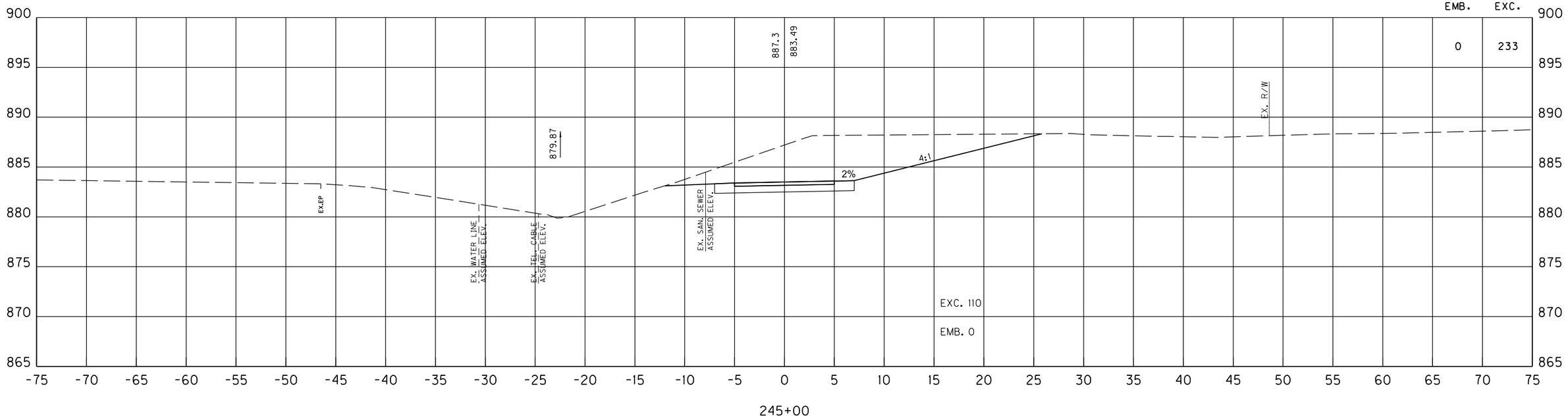
FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X164

SHEET TOTALS STA. 240+00 TO 245+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	183	758



245+50



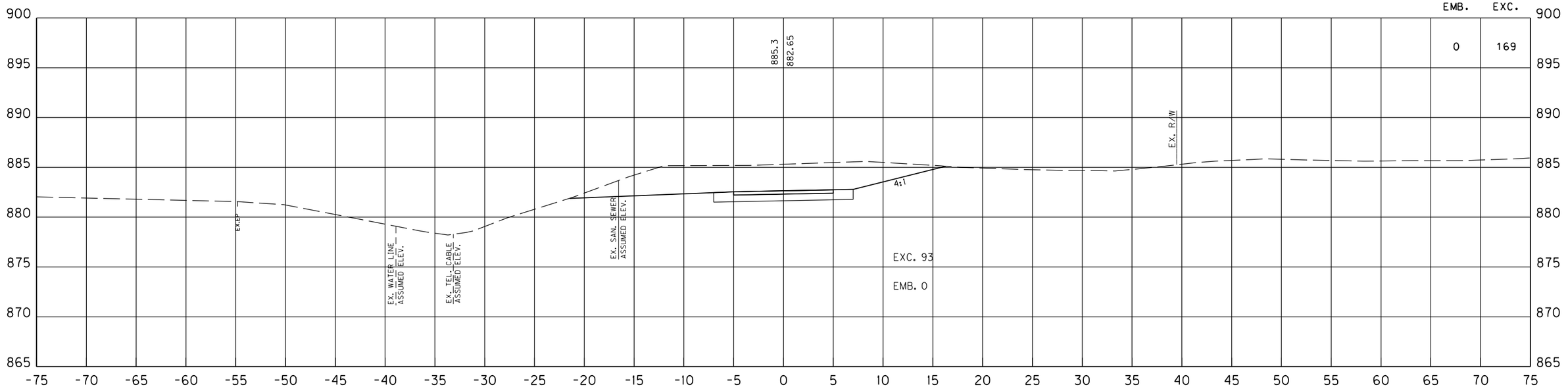
245+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

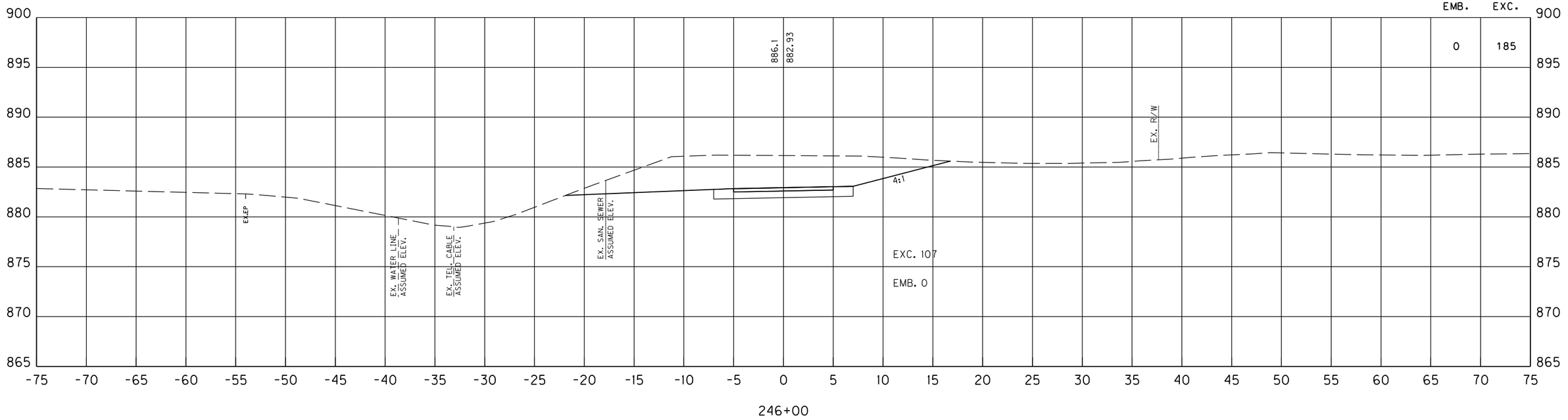
KY 237 MUP
STA. 245+00 TO STA. 245+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X165



246+50



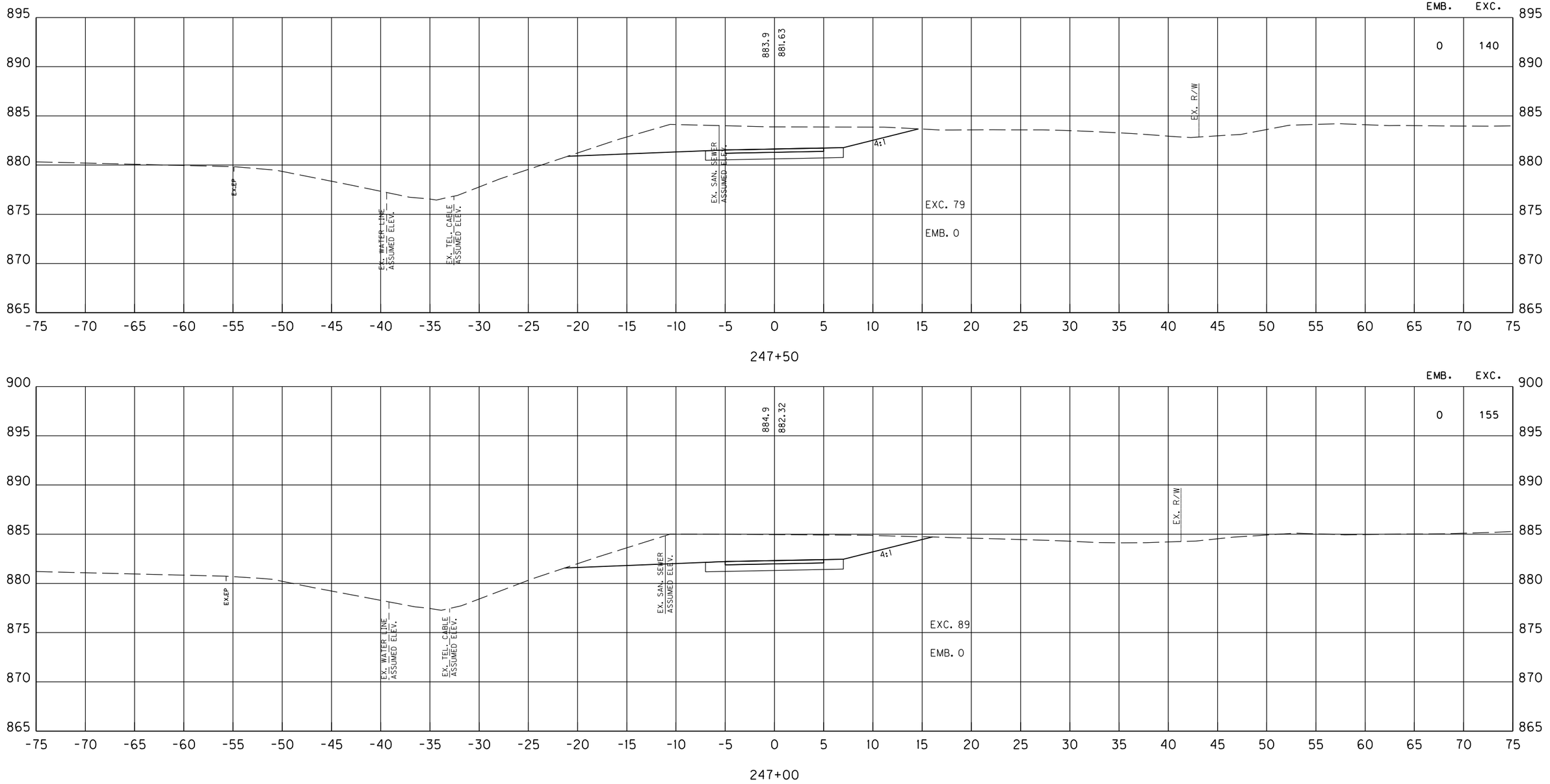
246+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 246+00 TO STA. 246+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X166

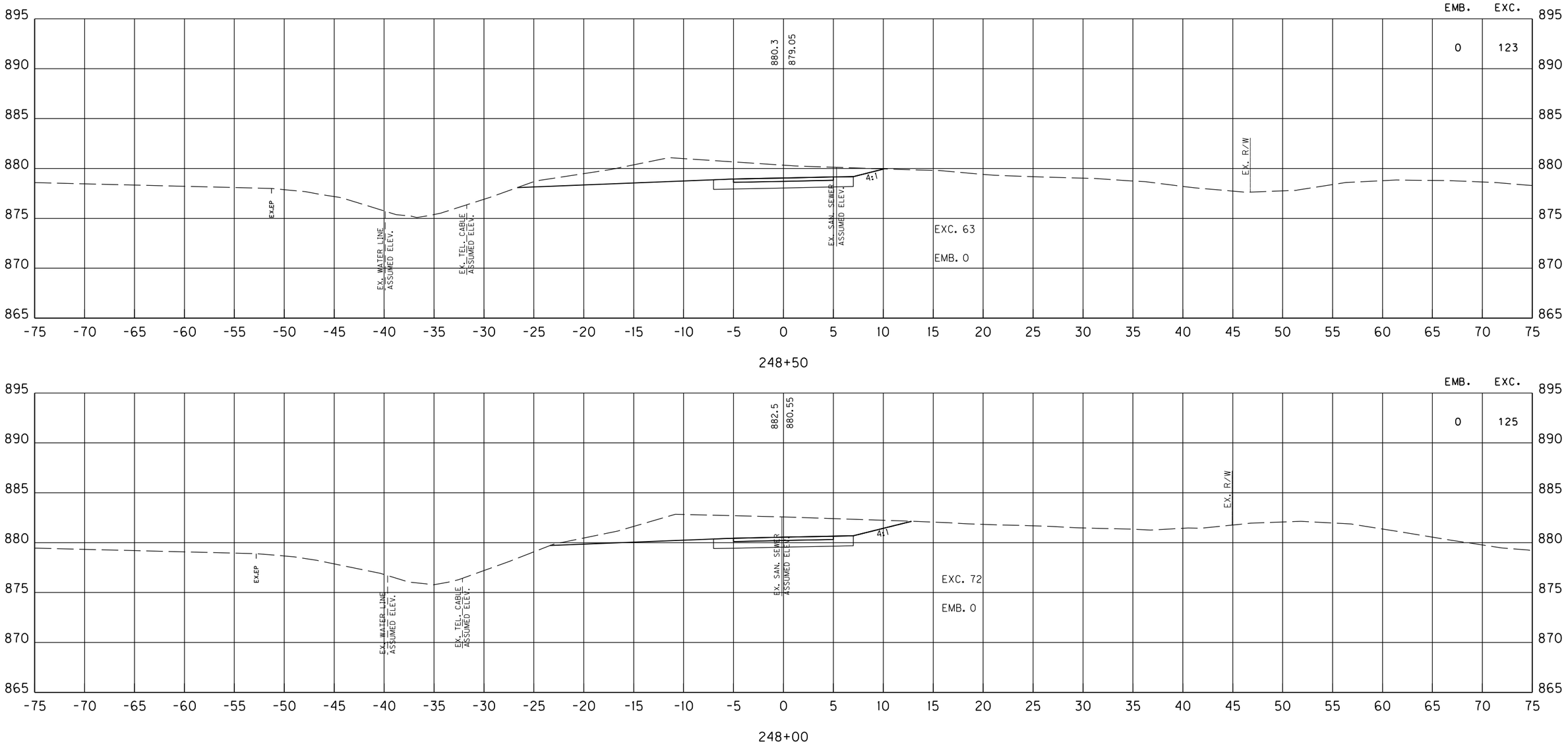


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 247+00 TO STA. 247+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X167

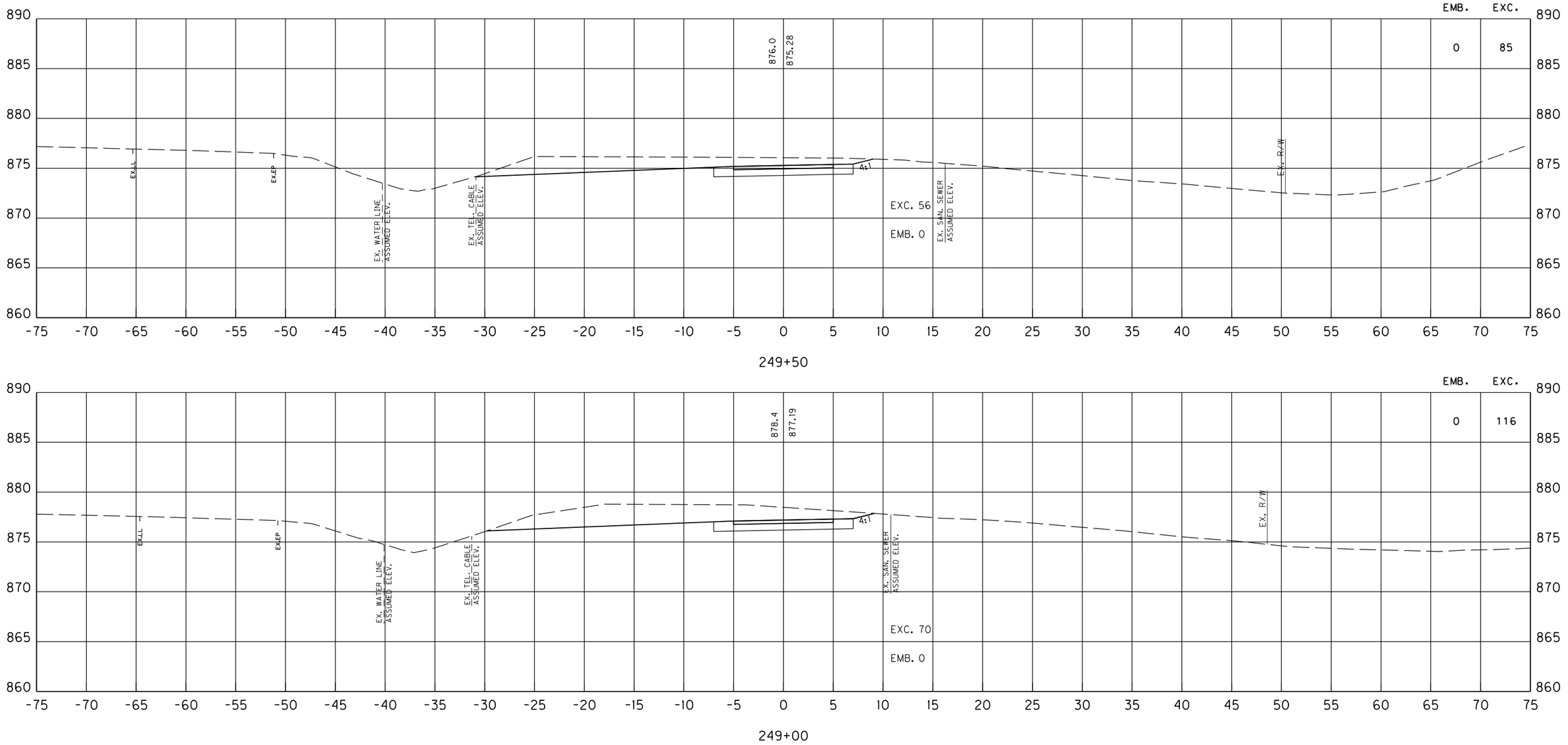


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 248+00 TO STA. 248+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X168



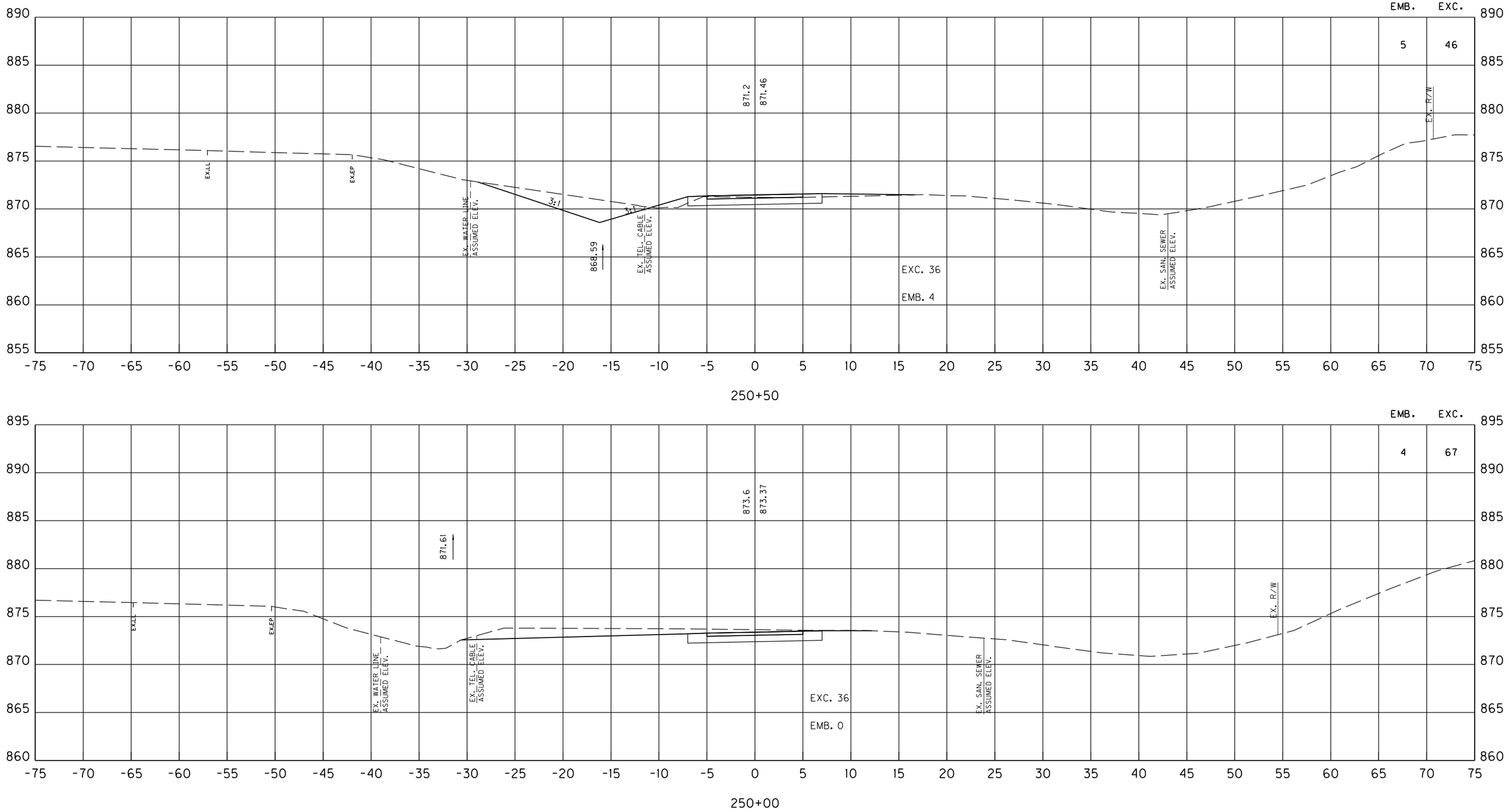
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 249+00 TO STA. 249+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X169

SHEET TOTALS STA. 245+00 TO 250+00					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	0	1562

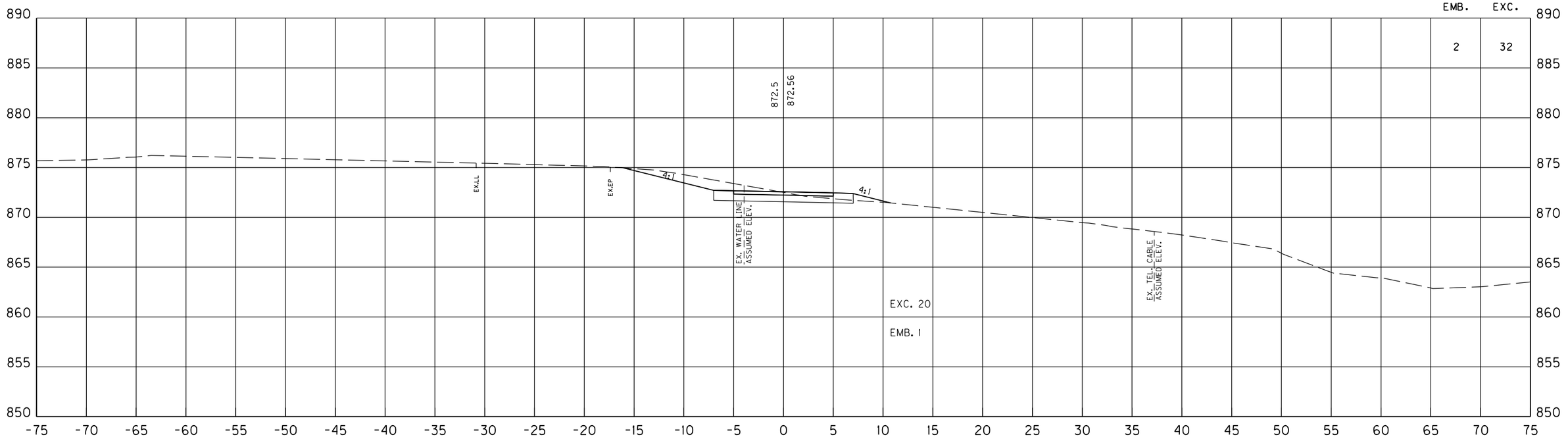


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

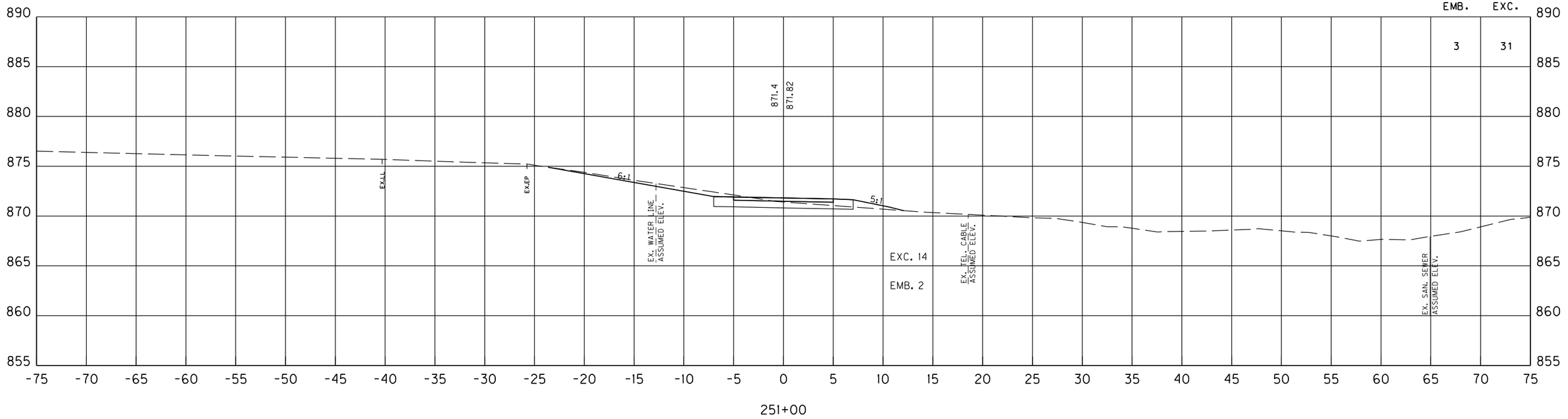
KY 237 MUP
STA. 250+00 TO STA. 250+50
MAINLINE CROSS SECTIONS

FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X170



251+50



251+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 251+00 TO STA. 251+50
MAINLINE CROSS SECTIONS

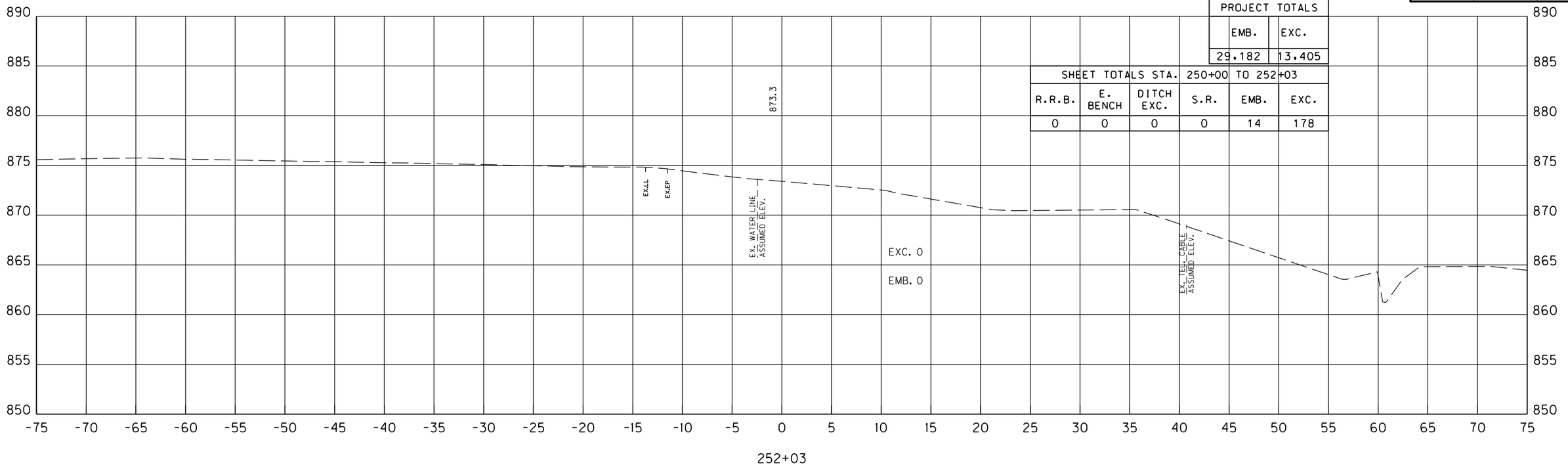
FILE NAME: C:\PW_WORKDIR\DMS4880A\CROSS SECTIONS.DGN
USER: janet
DATE PLOTTED: October 29, 2020
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X171

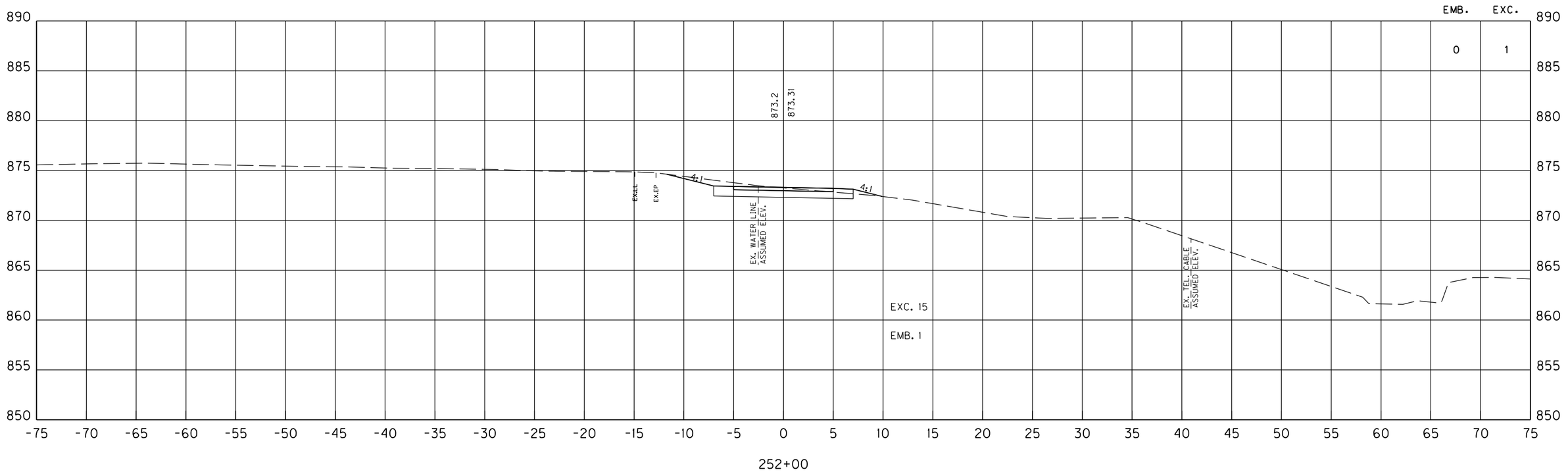
PROJECT TOTALS	
EMB.	EXC.
29.182	13.405

SHEET TOTALS STA. 250+00 TO 252+03

R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	14	178



EMB.	EXC.
0	1

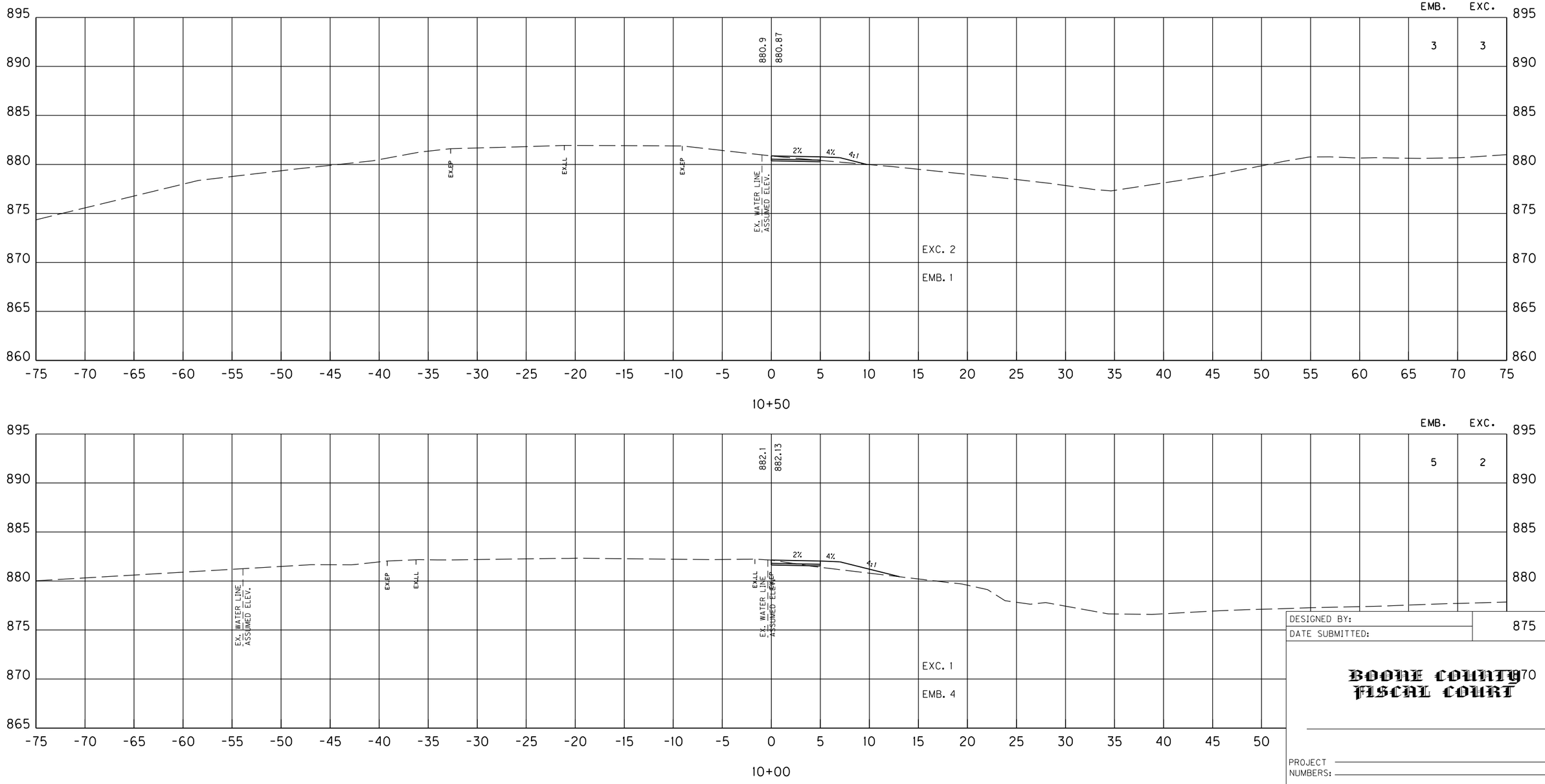


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 237 MUP
STA. 252+00 TO STA. 252+03
MAINLINE CROSS SECTIONS

Power InRoads v8.11.9.397 | E-SHEET NAME: | USER: janet DATE PLOTTED: October 29, 2020 | FILE NAME: C:\PW_WORKDIR\DMS48804\CROSS SECTIONS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X172



SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

DESIGNED BY:

DATE SUBMITTED:

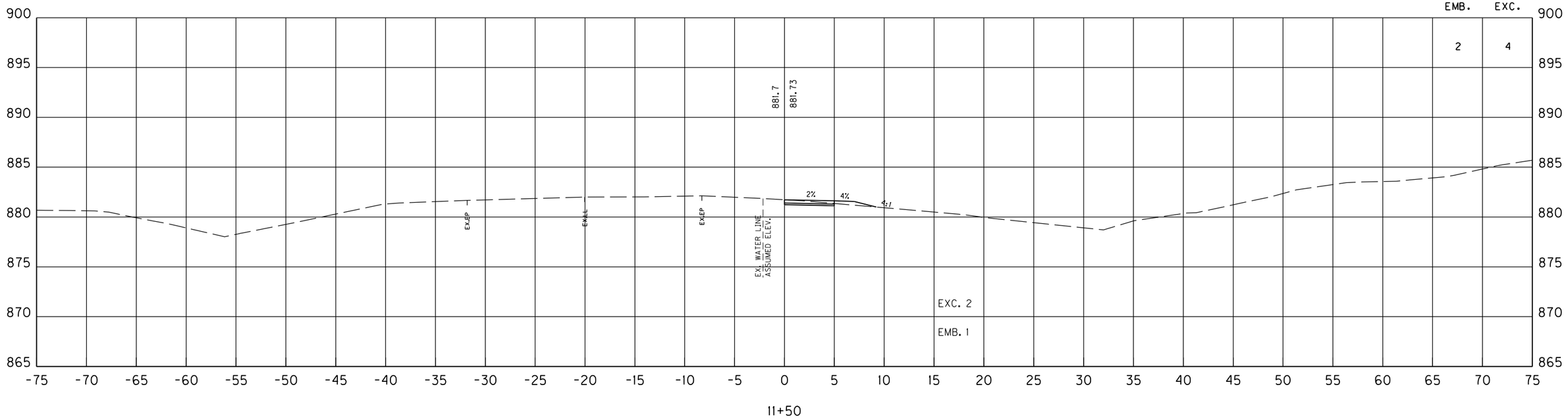
BOONE COUNTY FISCAL COURT

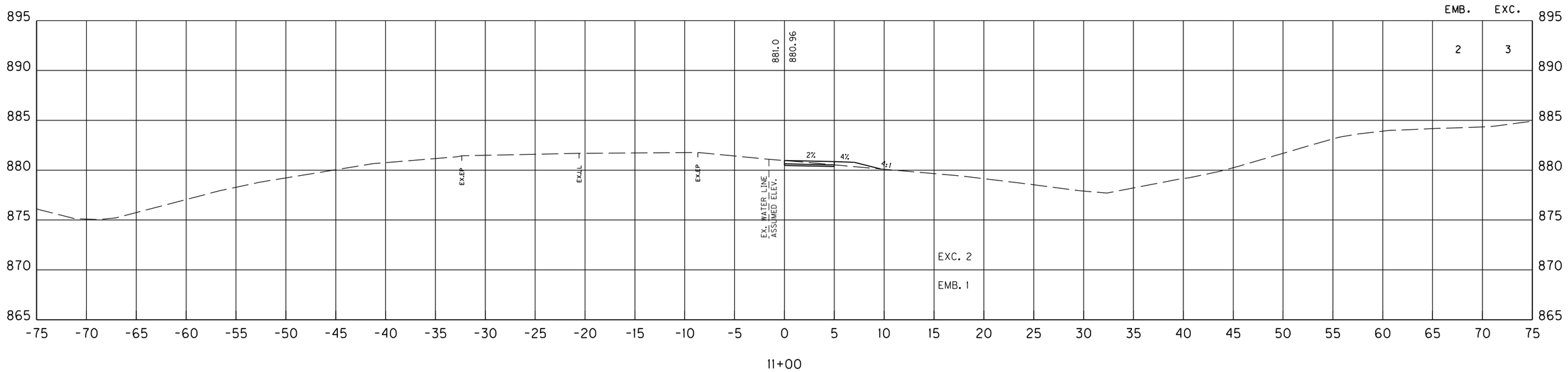
PROJECT NUMBERS:

COUGAR PATH SIDEWALK
STA. 10+00 TO STA. 10+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X173



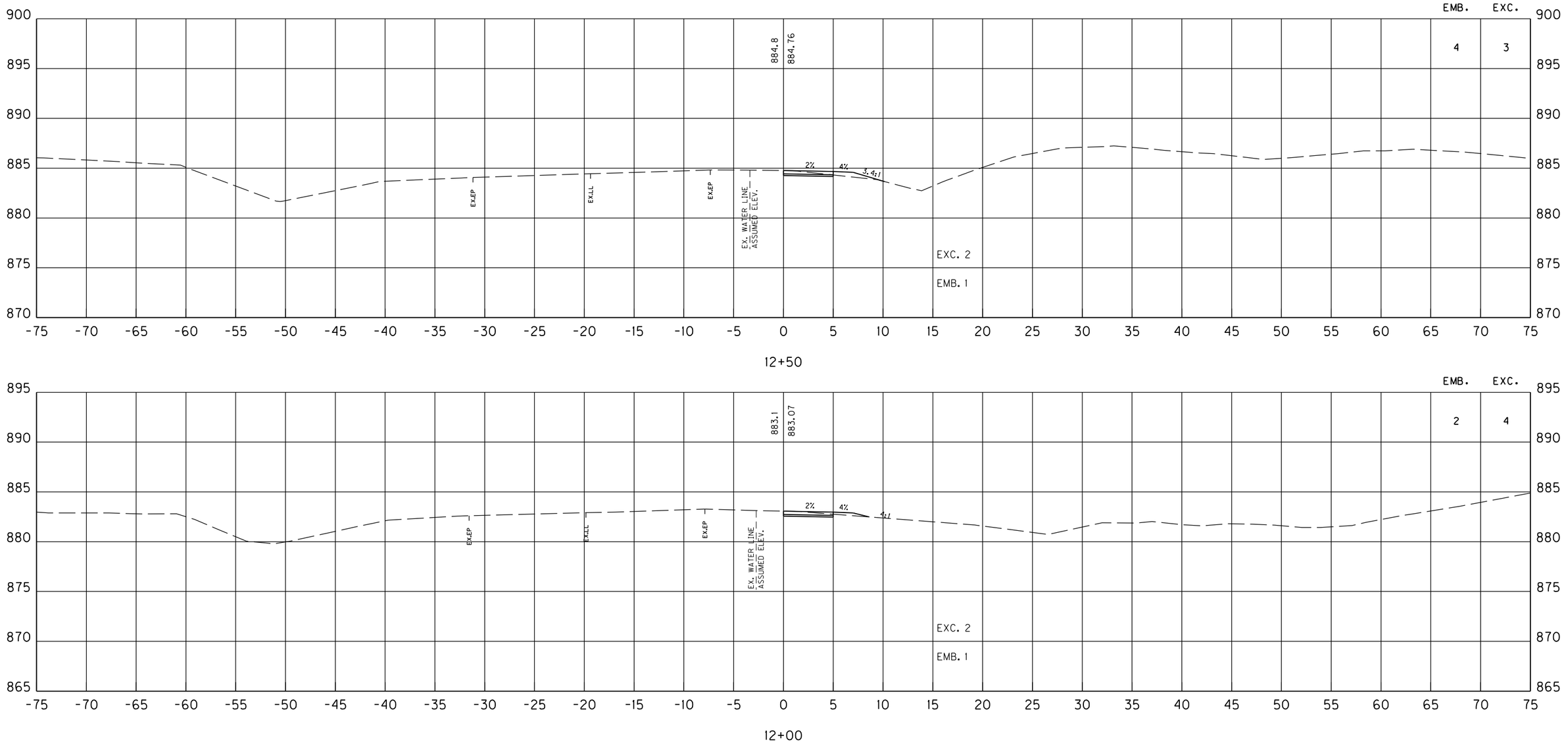


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 11+00 TO STA. 11+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X174

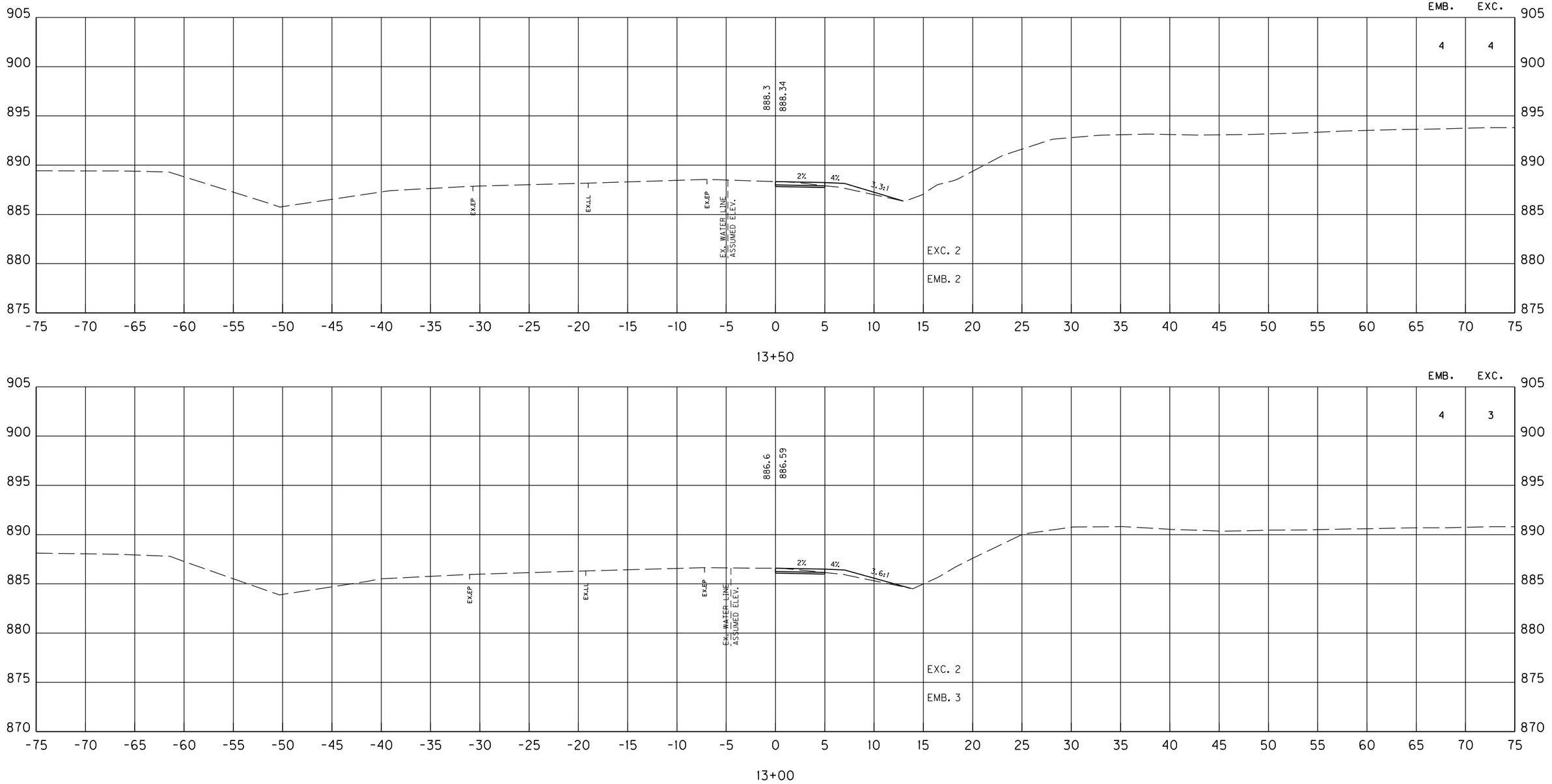


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 12+00 TO STA. 12+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X175

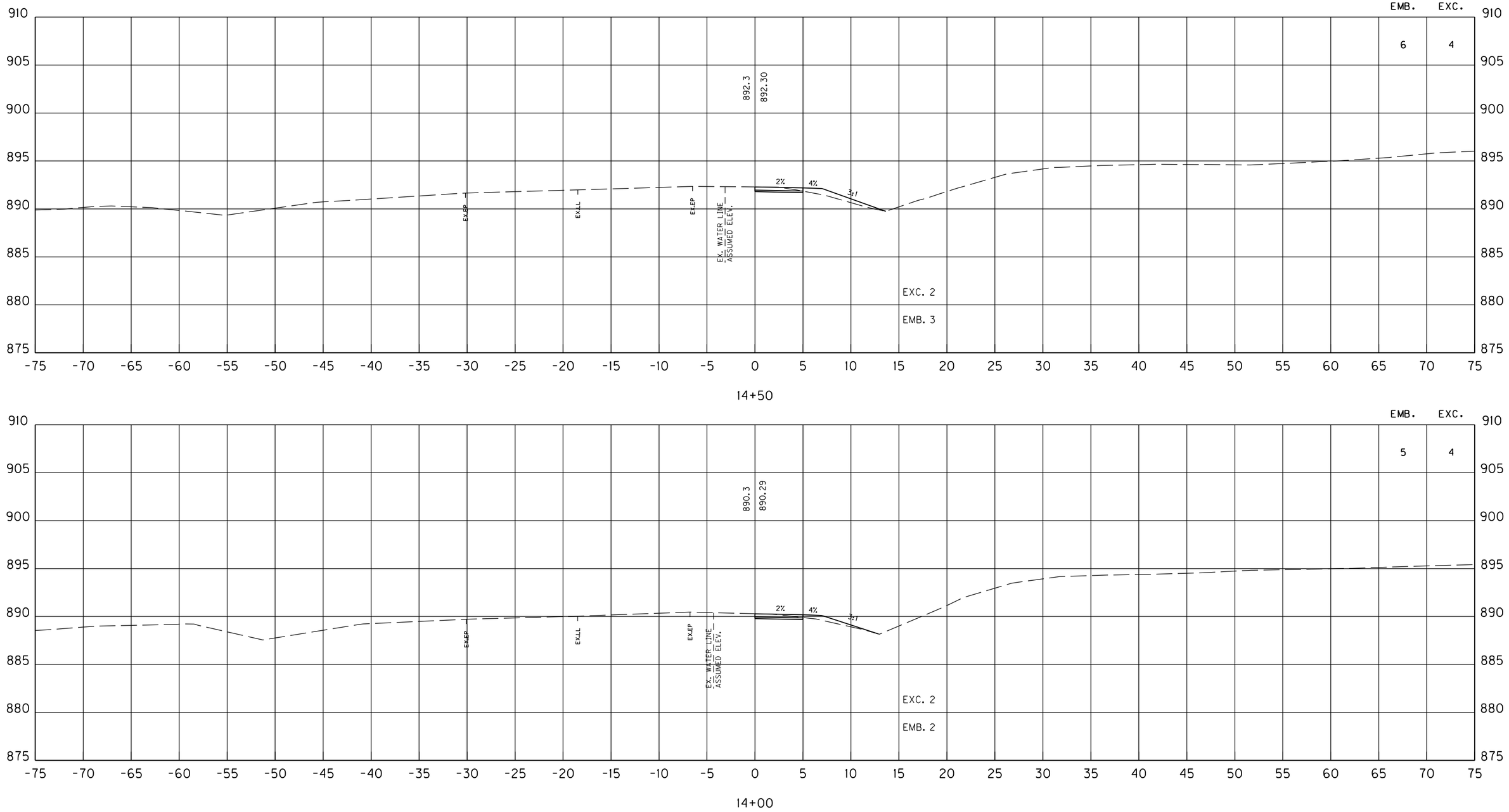


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 13+00 TO STA. 13+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: james-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X176

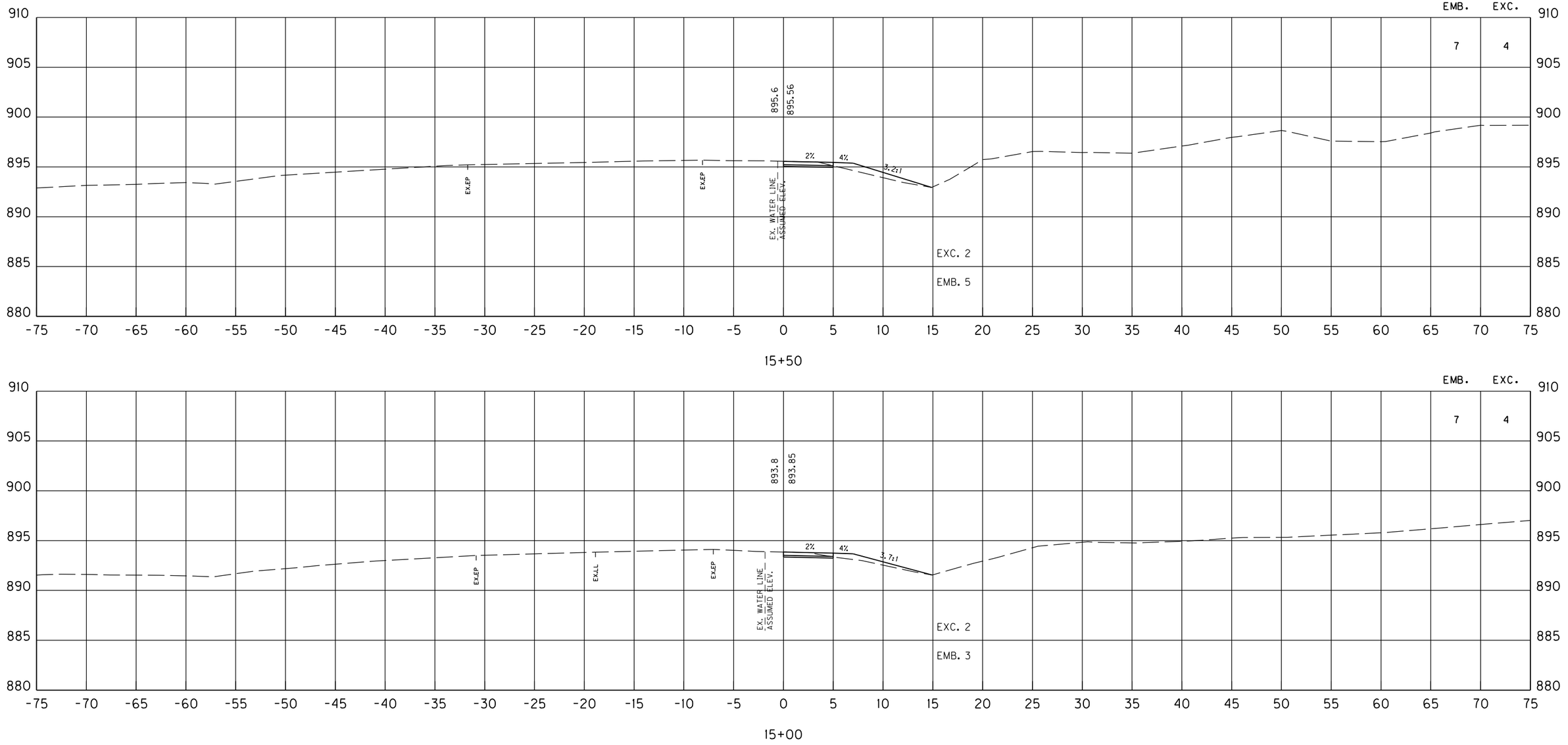


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 14+00 TO STA. 14+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: james-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X177

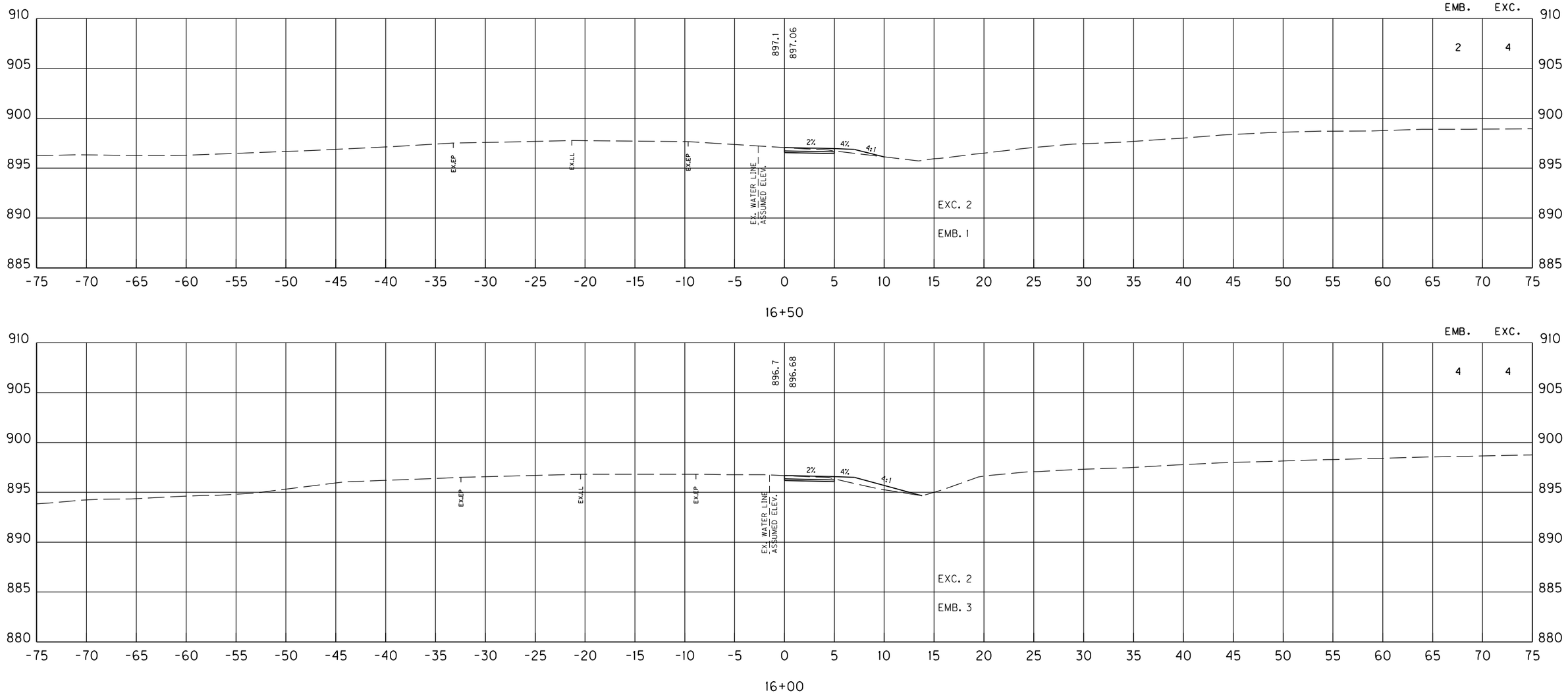


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 15+00 TO STA. 15+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X178



SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

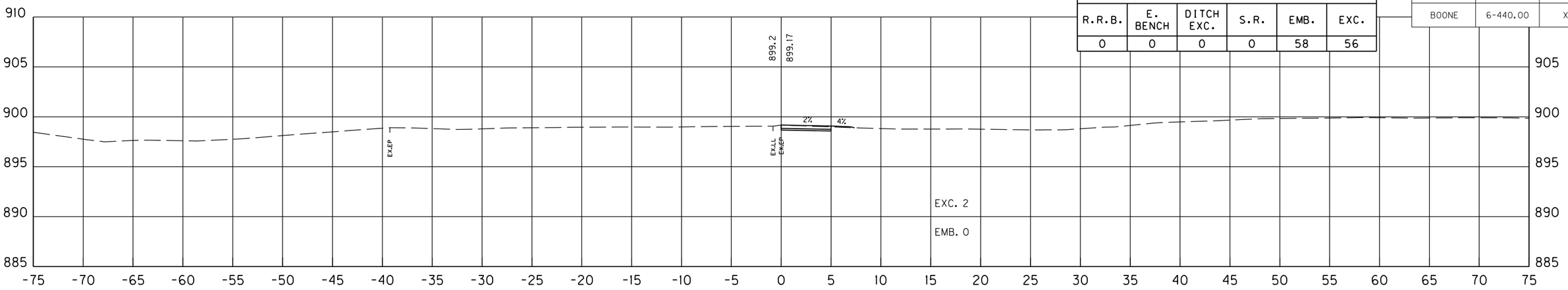
COUGAR PATH SIDEWALK
STA. 16+00 TO STA. 16+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

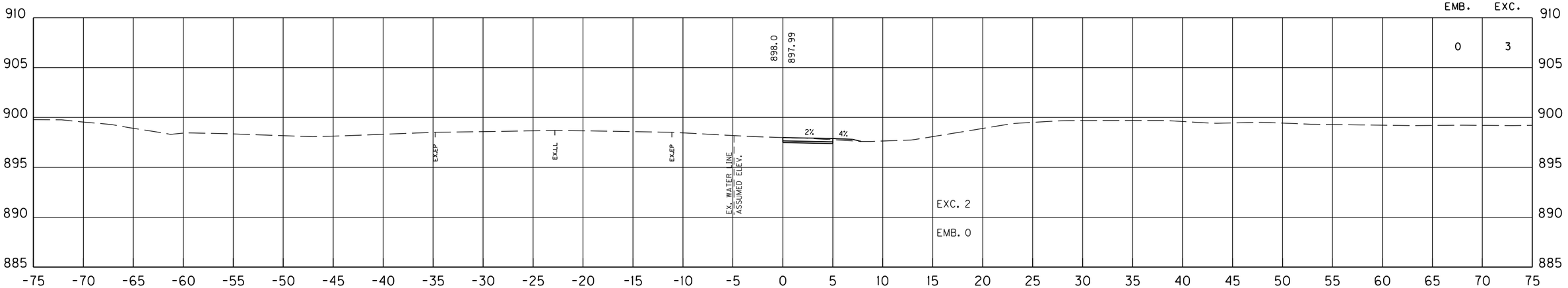
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X179

COUGAR PATH SIDEWALK TOTALS

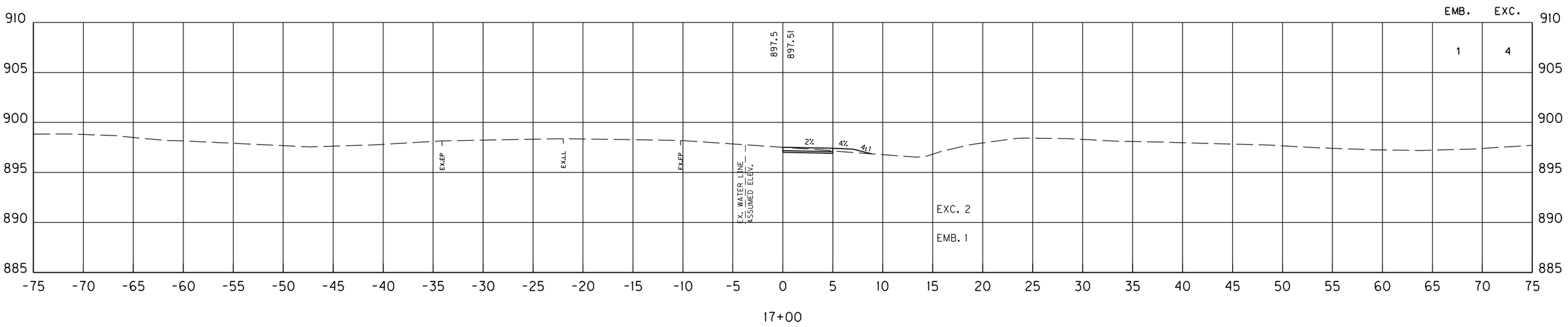
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	58	56



17+80



17+50



17+00

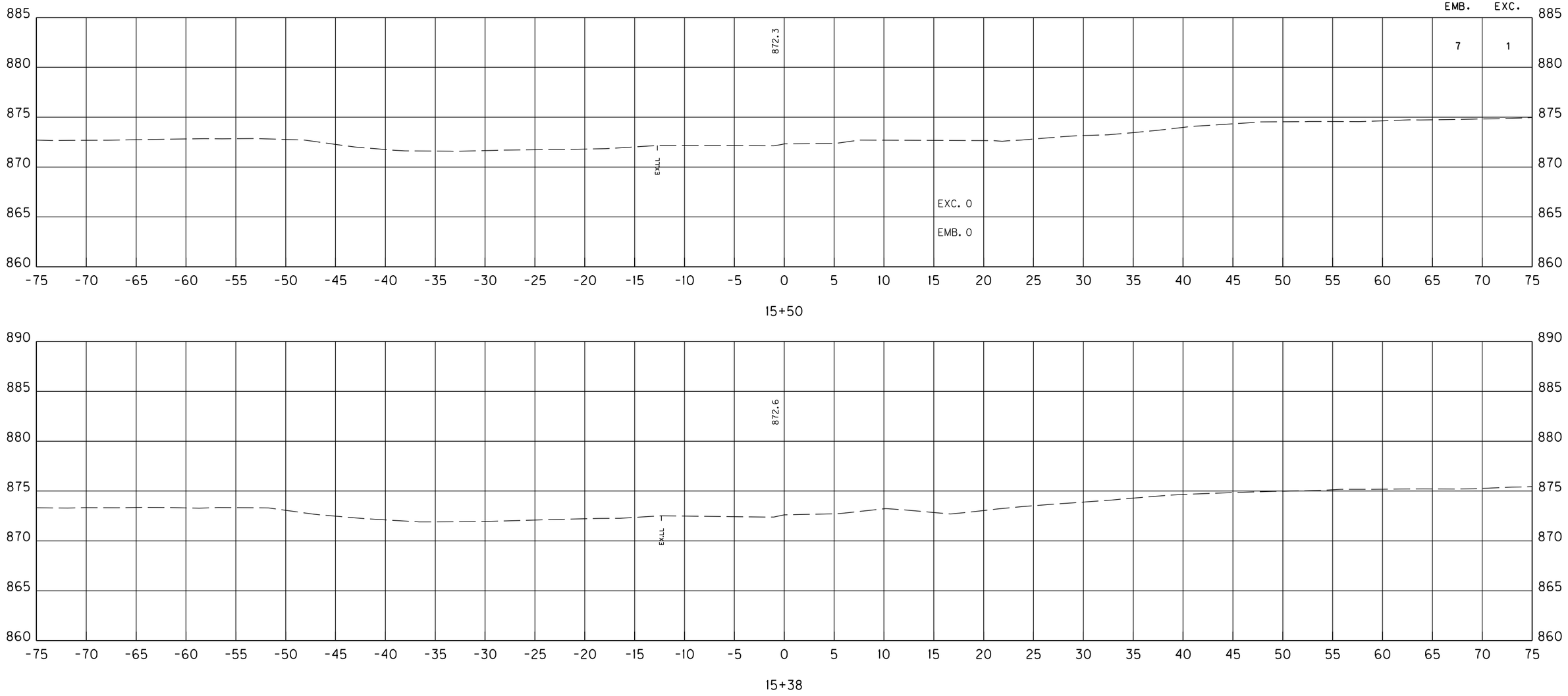
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

COUGAR PATH SIDEWALK
STA. 17+00 TO STA. 17+80

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS.SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X180

BEGIN EARTHWORK
STA. 15+66 FOR VOLUMES



15+50

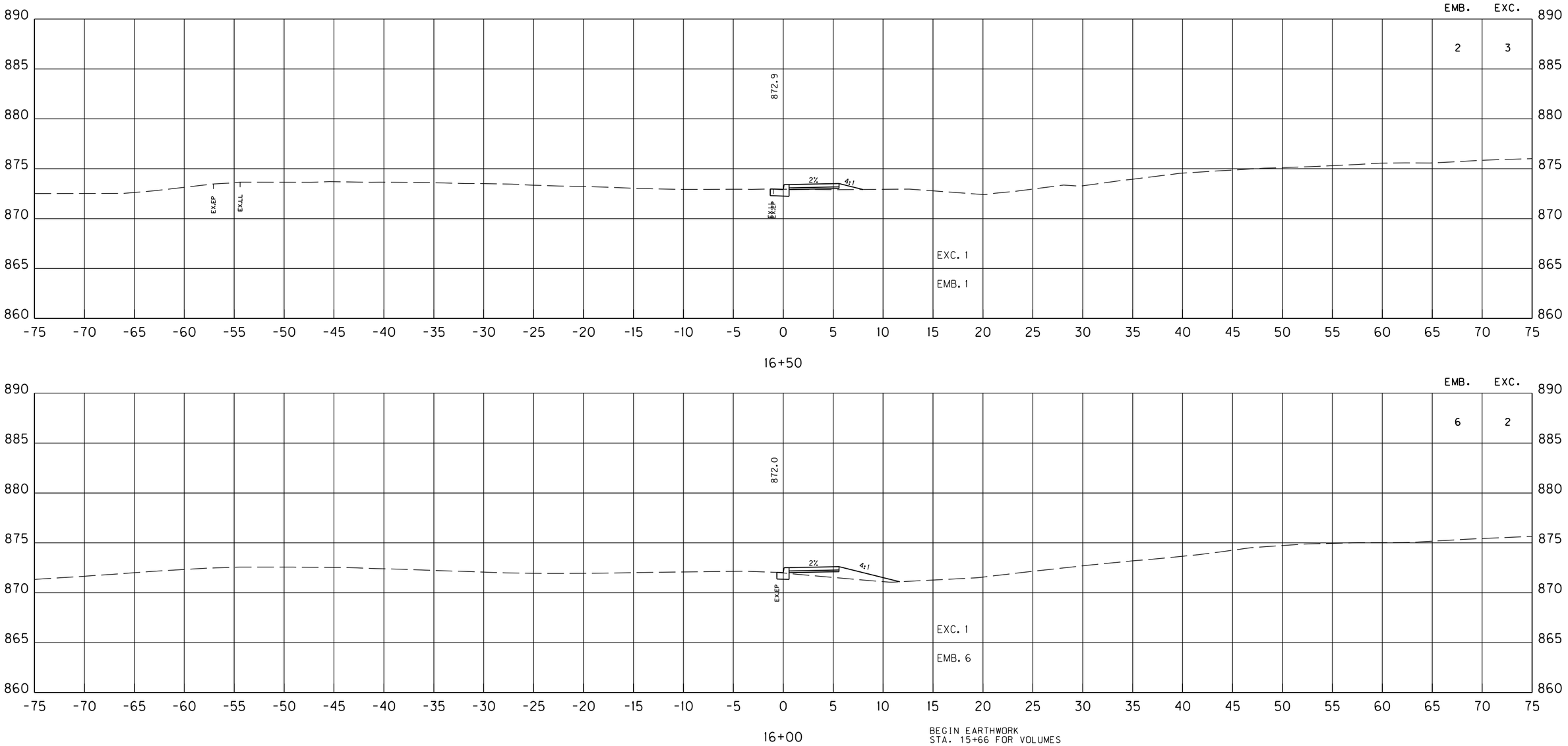
15+38

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 15+38 TO STA. 15+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X181



16+50

16+00

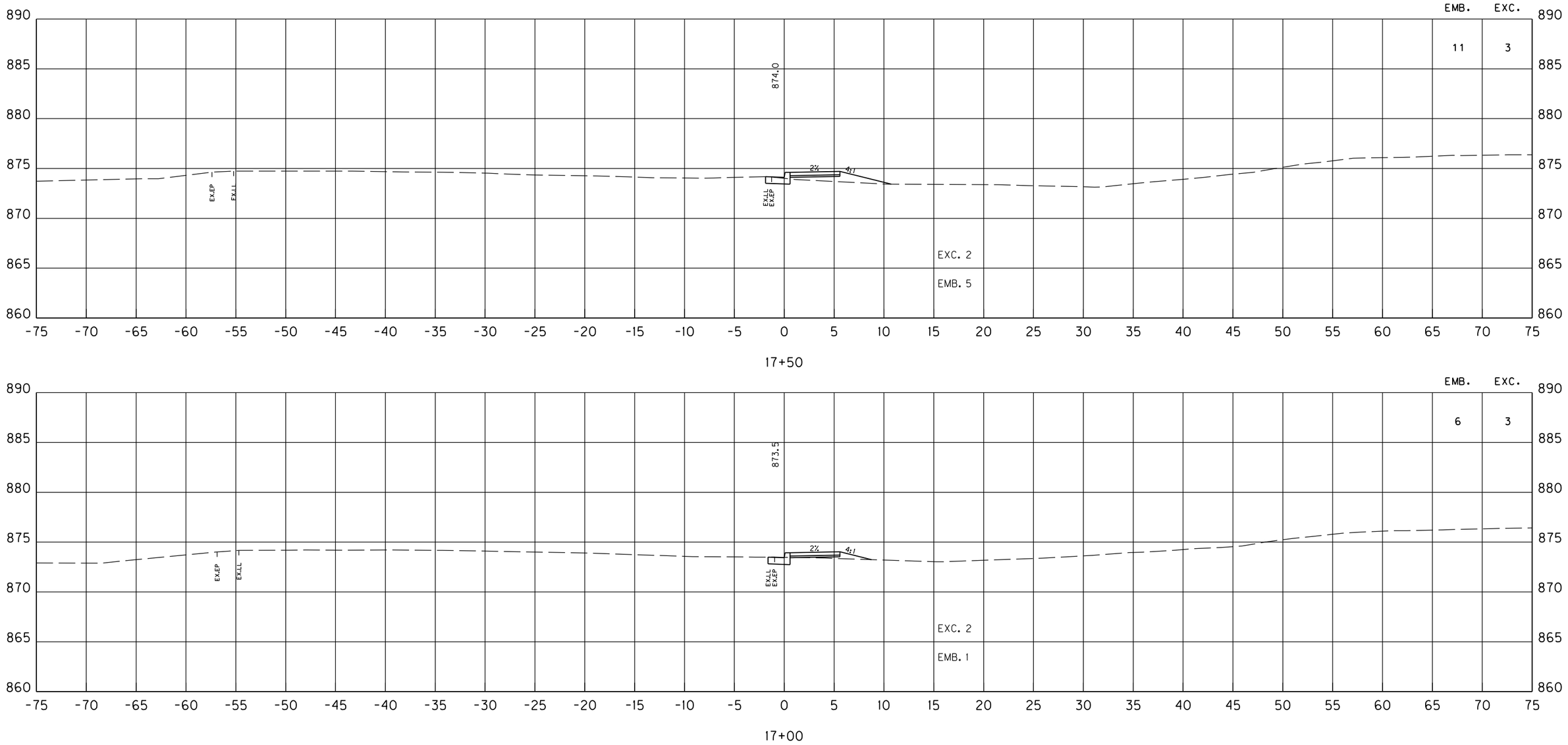
BEGIN EARTHWORK
STA. 15+66 FOR VOLUMES

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 16+00 TO STA. 16+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X182



17+50

17+00

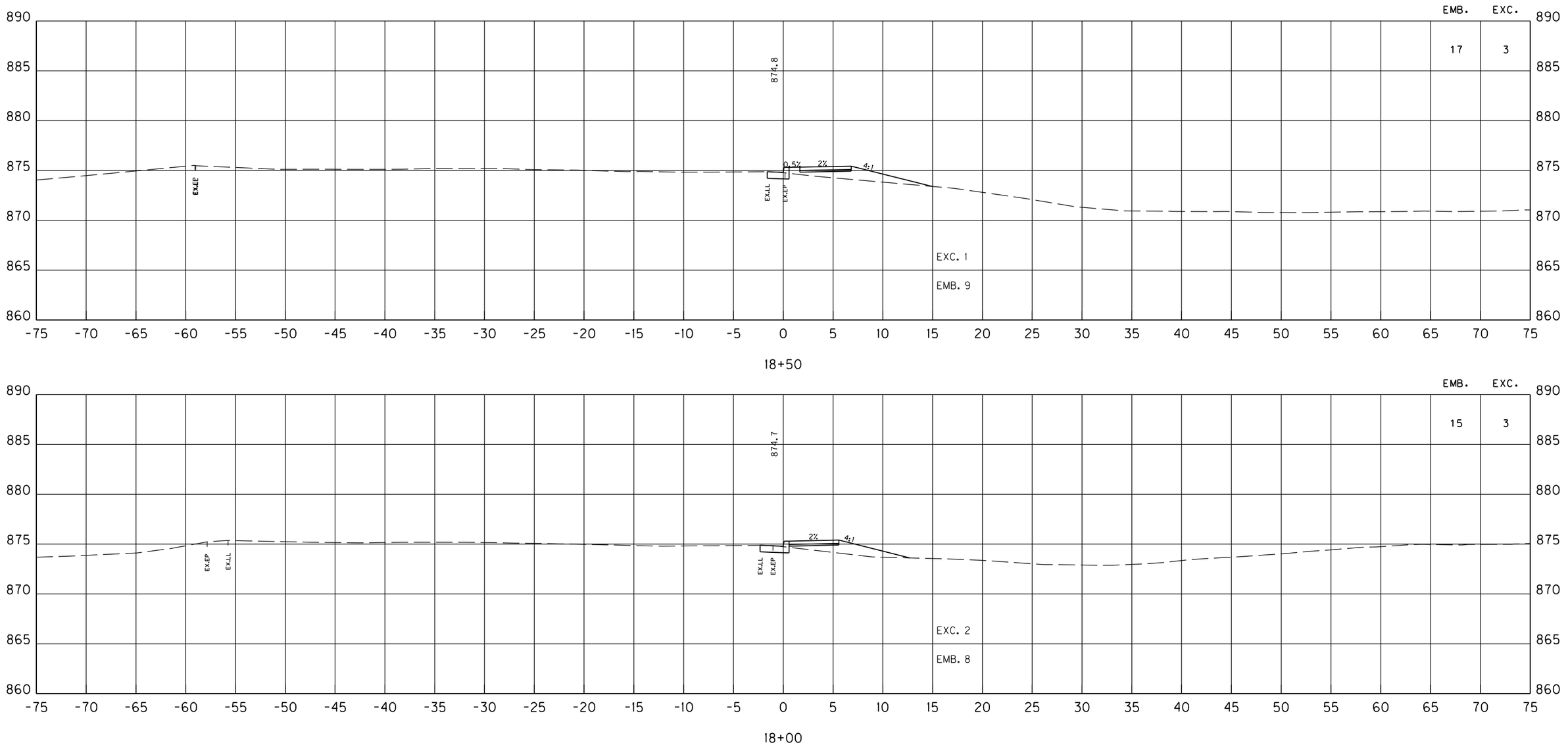
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 17+00 TO STA. 17+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X183

CARRY EARTHWORK
ALONG RIGHT TURN LANE
FOR AN ADITIONAL
50' OF SIDEWALK VOLUMES



18+50

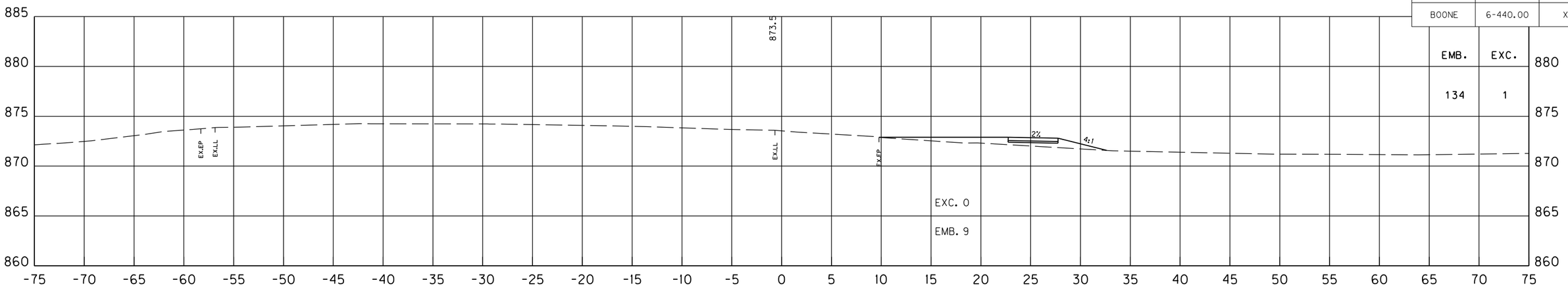
18+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

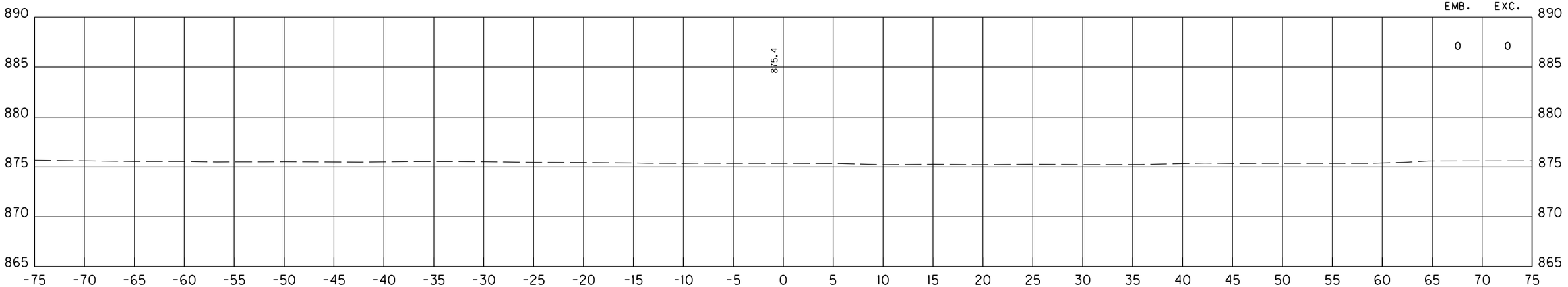
KY 20 SIDEWALK
STA. 18+00 TO STA. 18+50

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

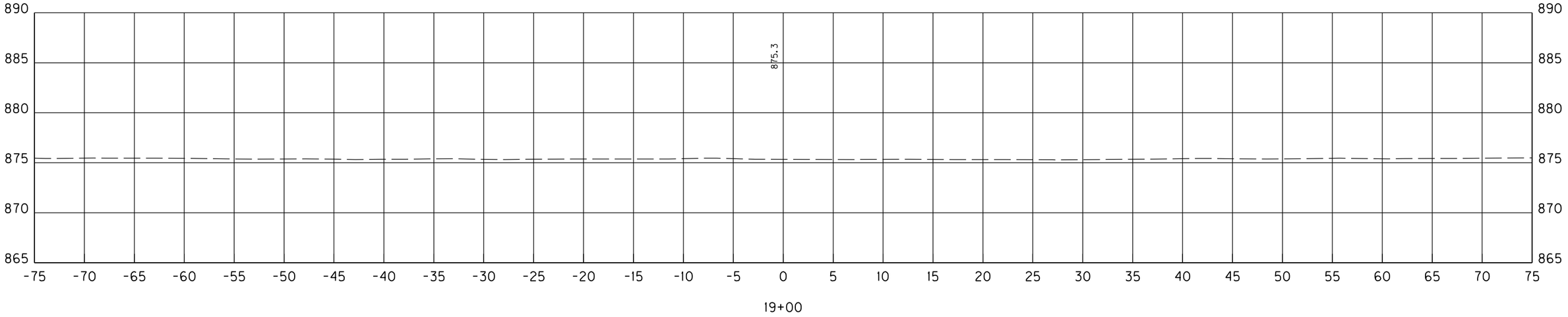
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X184



20+00



19+50



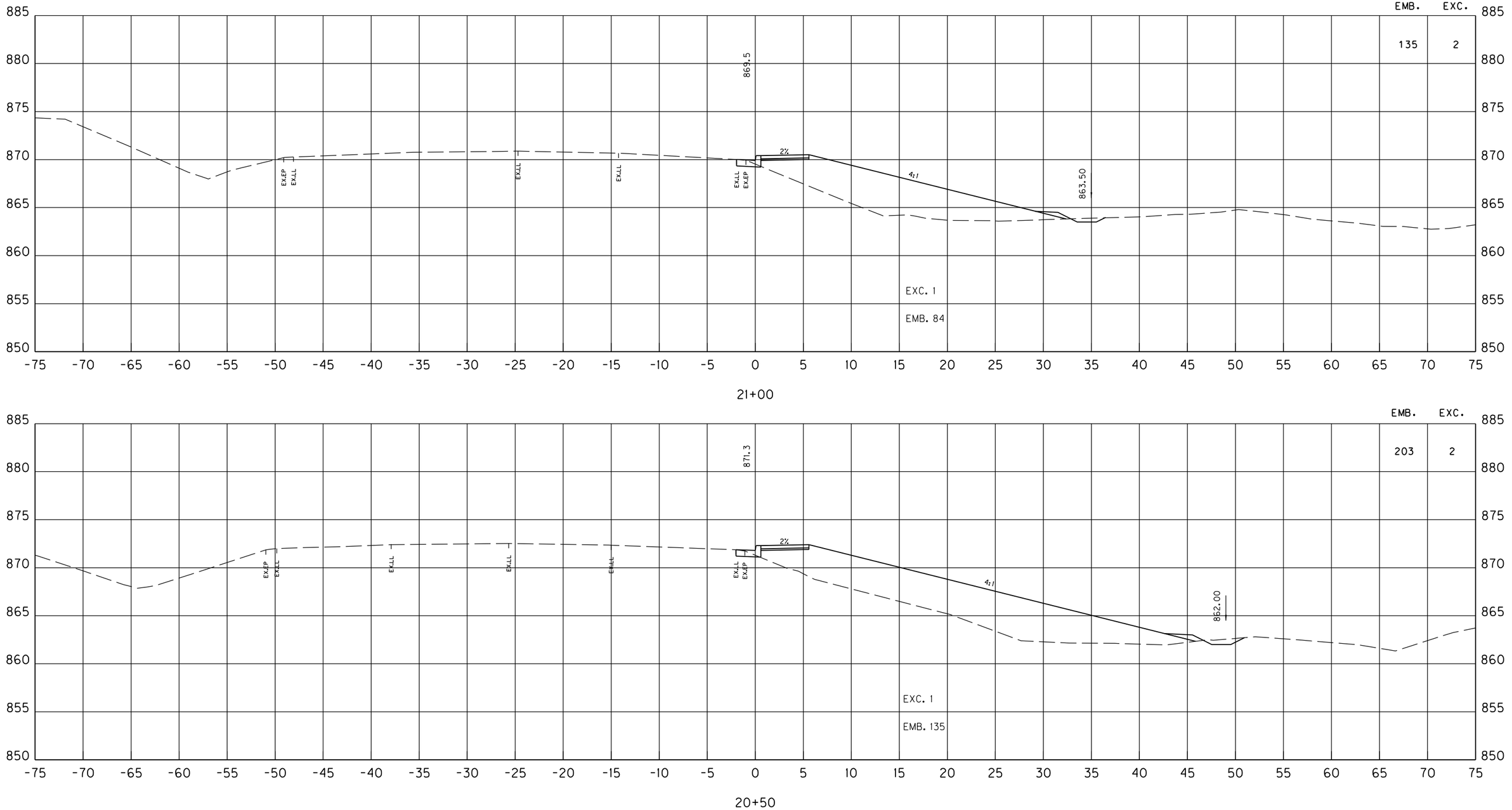
19+00

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 19+00 TO STA. 20+00

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X185

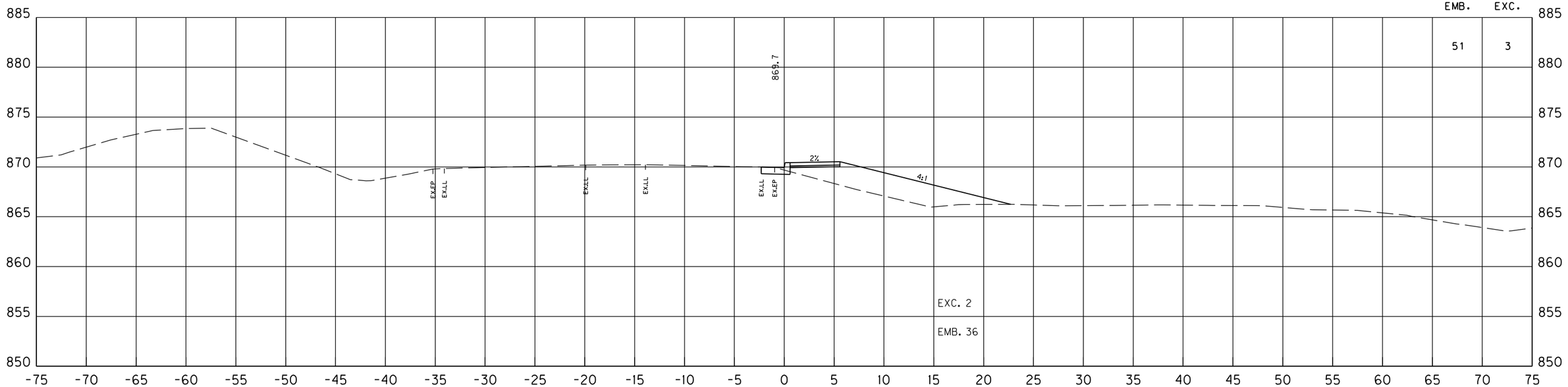


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

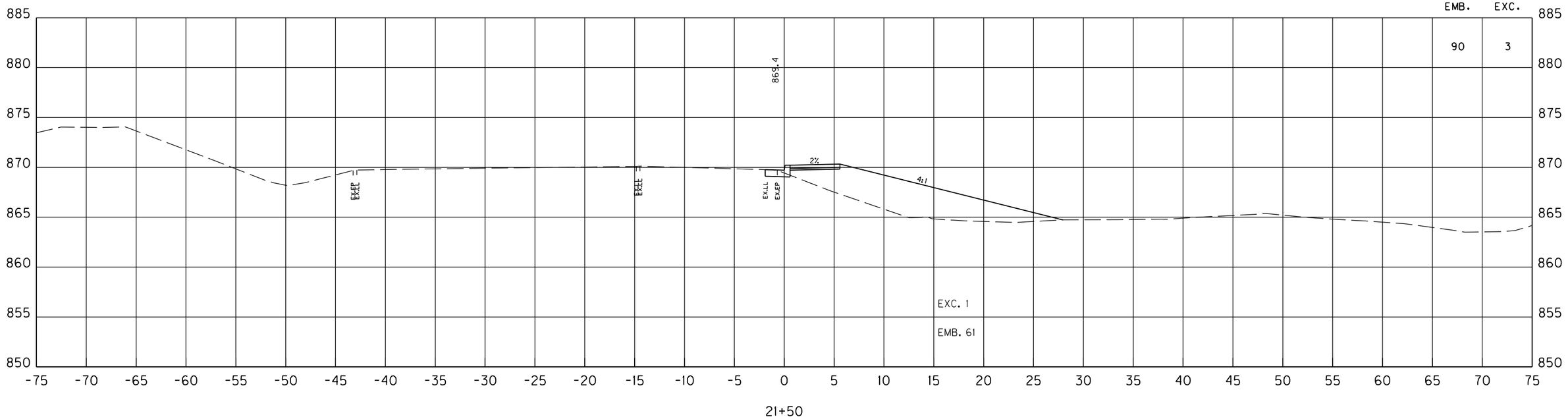
KY 20 SIDEWALK
STA. 20+50 TO STA. 21+00

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X186



22+00



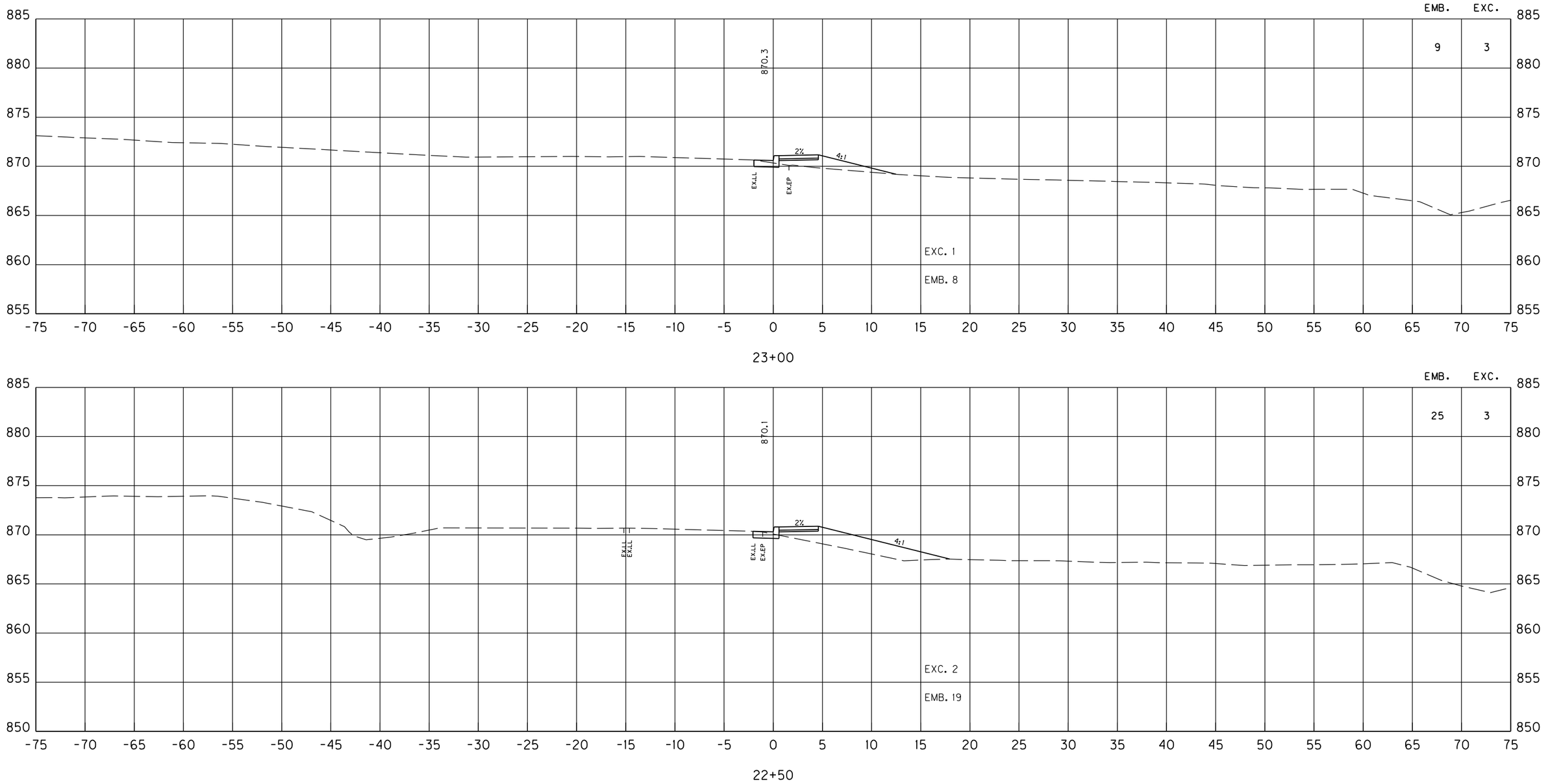
21+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 21+50 TO STA. 22+00

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X187

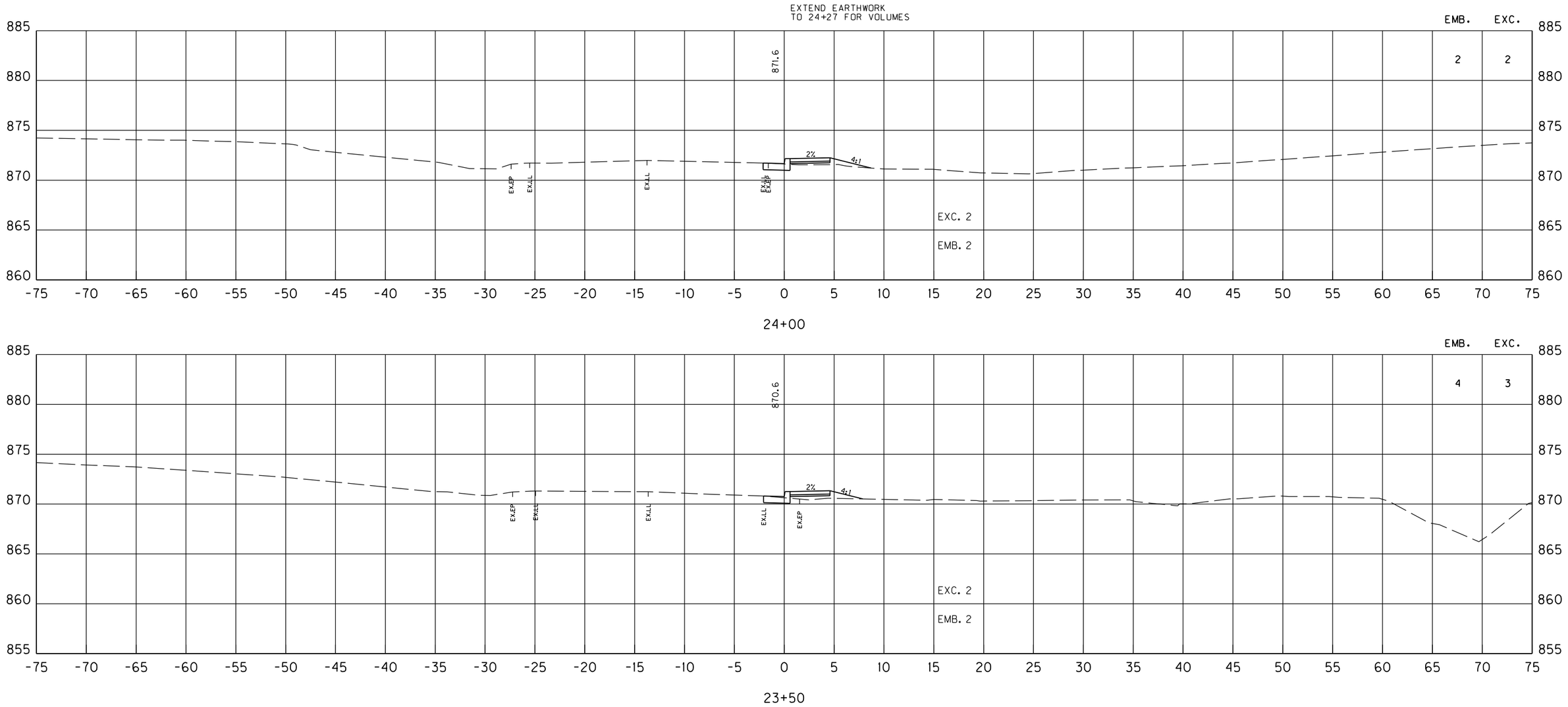


SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 22+50 TO STA. 23+00

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X188



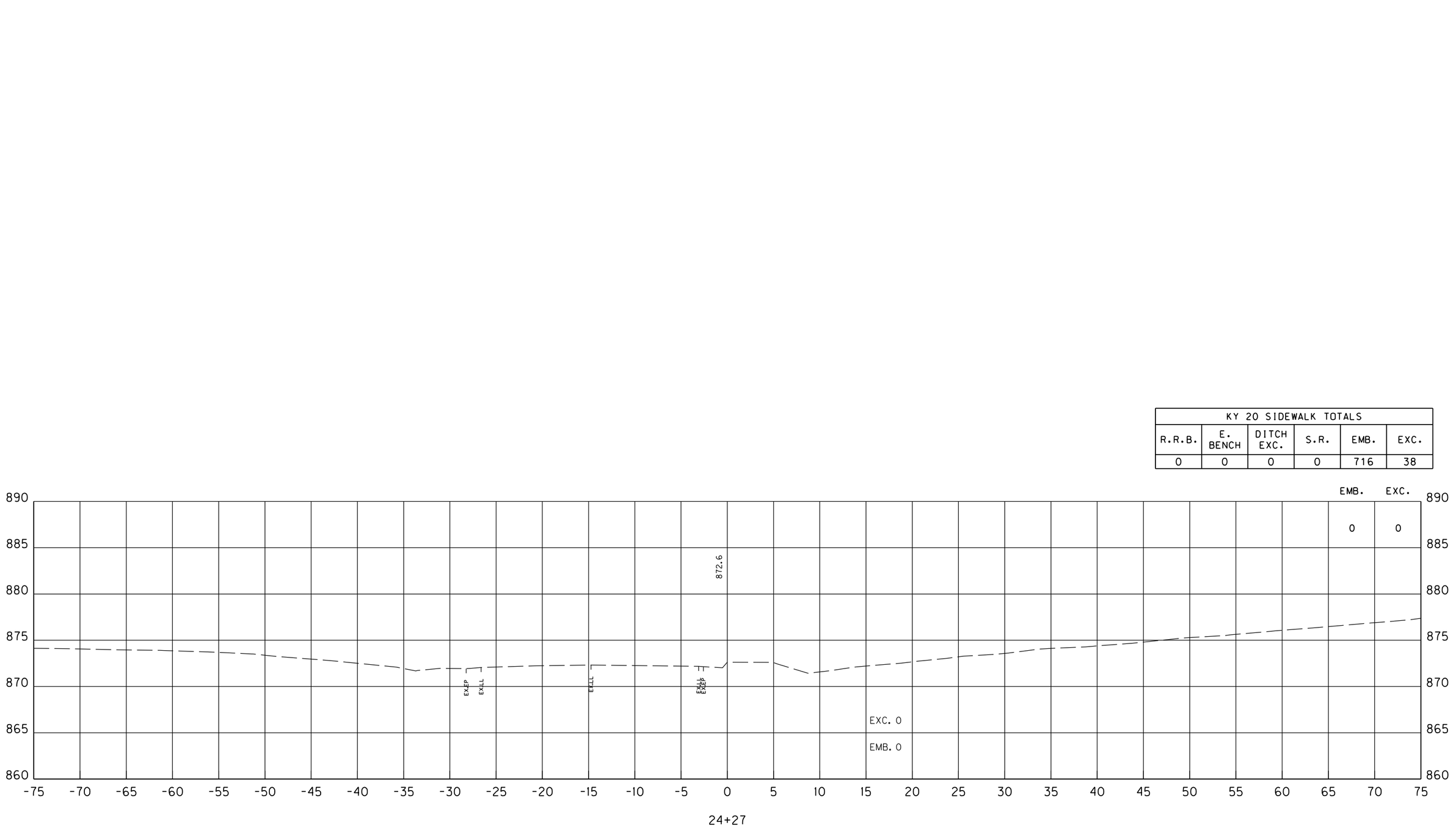
SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 23+50 TO STA. 24+00

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-440.00	X189

KY 20 SIDEWALK TOTALS					
R.R.B.	E. BENCH	DITCH EXC.	S.R.	EMB.	EXC.
0	0	0	0	716	38



SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

KY 20 SIDEWALK
STA. 24+27 TO STA. 24+27

FILE NAME: C:\PW_WORKDIR\NEW FOLDER\DMS48804\CROSS SECTIONS_SIDEWALKS.DGN
USER: James-f
DATE PLOTTED: October 26, 2018
E-SHEET NAME:
Power InRoads v8.11.9.397