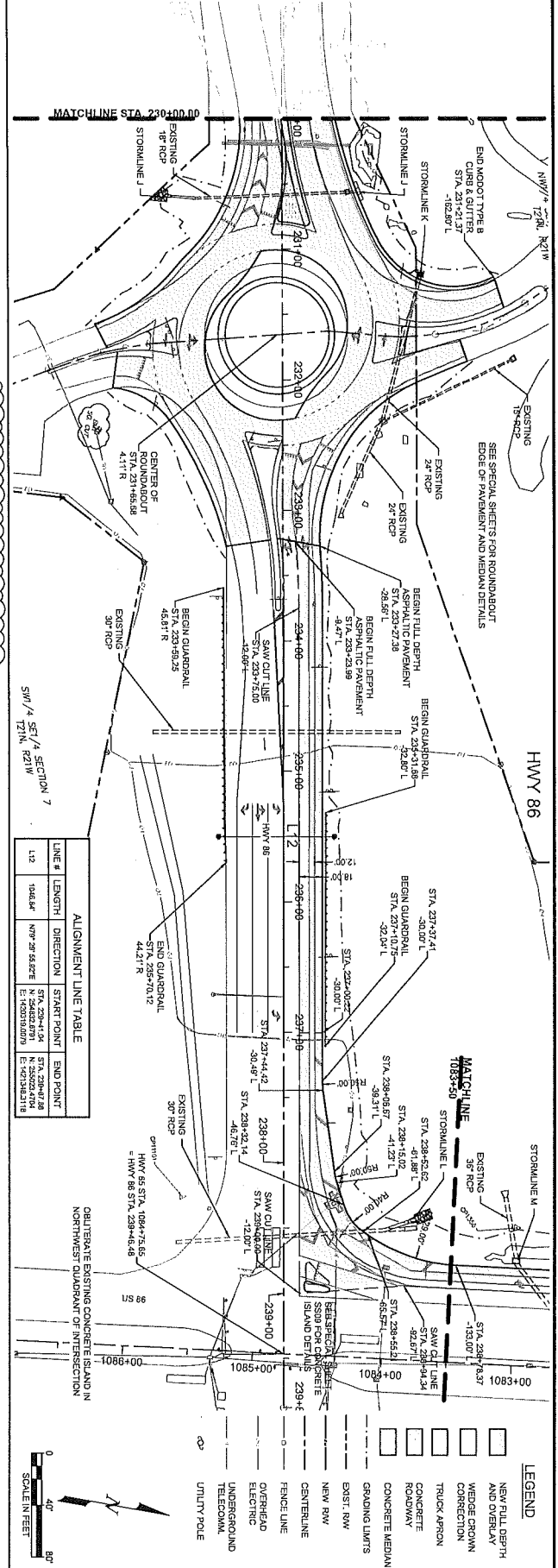


- NOTES
1. EXISTING UTILITIES SHOWN ARE BASED ON RECORDED HWY 66 CENTERLINE.
 2. ALL DIMENSIONS UNLESS OTHERWISE NOTED, IN FEET TO NEAREST 1/8".
 3. OVERLAY PAVEMENT IMPROVEMENTS SHALL BE LIMITED TO UNPAVED AREAS.
 4. EXISTING CONCRETE JOINTS WITHIN 2 FEET OR AT A SAW CUT JOINT TO PROVIDE DRAINAGE CONSTRUCTION, INCIDENTAL, STOPPING, AND LANDSCAPING AS REQUIRED.
 5. DIMENSIONS SHOWN ARE TO BACK OF CURB, EDGE OF PAVEMENT, AND FACE OF SIDEWALK UNLESS OTHERWISE NOTED.
 6. SEE SHEET P101 FOR BENCHMARK AND CONTROL POINT INFORMATION.

ADJUSTED CENTERLINE OF ROADWAY
 CENTERLINE OF ROADWAY
 CENTERLINE OF CONCRETE AND 20% STANDED
 SIDE DITCHES
 CENTERLINE OF CONCRETE AND 20% STANDED
 SIDE DITCHES
 CENTERLINE OF THE ROADWAY AT THE POINT OF
 INTERSECTION = 1085+00
 (VERTICAL ALIGNMENT 7 - VARIOUS)



ALIGNMENT LINE TABLE

LINE #	LENGTH	DIRECTION	START POINT	END POINT
L12	1046.64'	N79°27'56.62"E	STA. 230+1.94 N. 254022.6781 E. 158370.0703	STA. 239+78.58 N. 252022.4704 E. 157352.5113



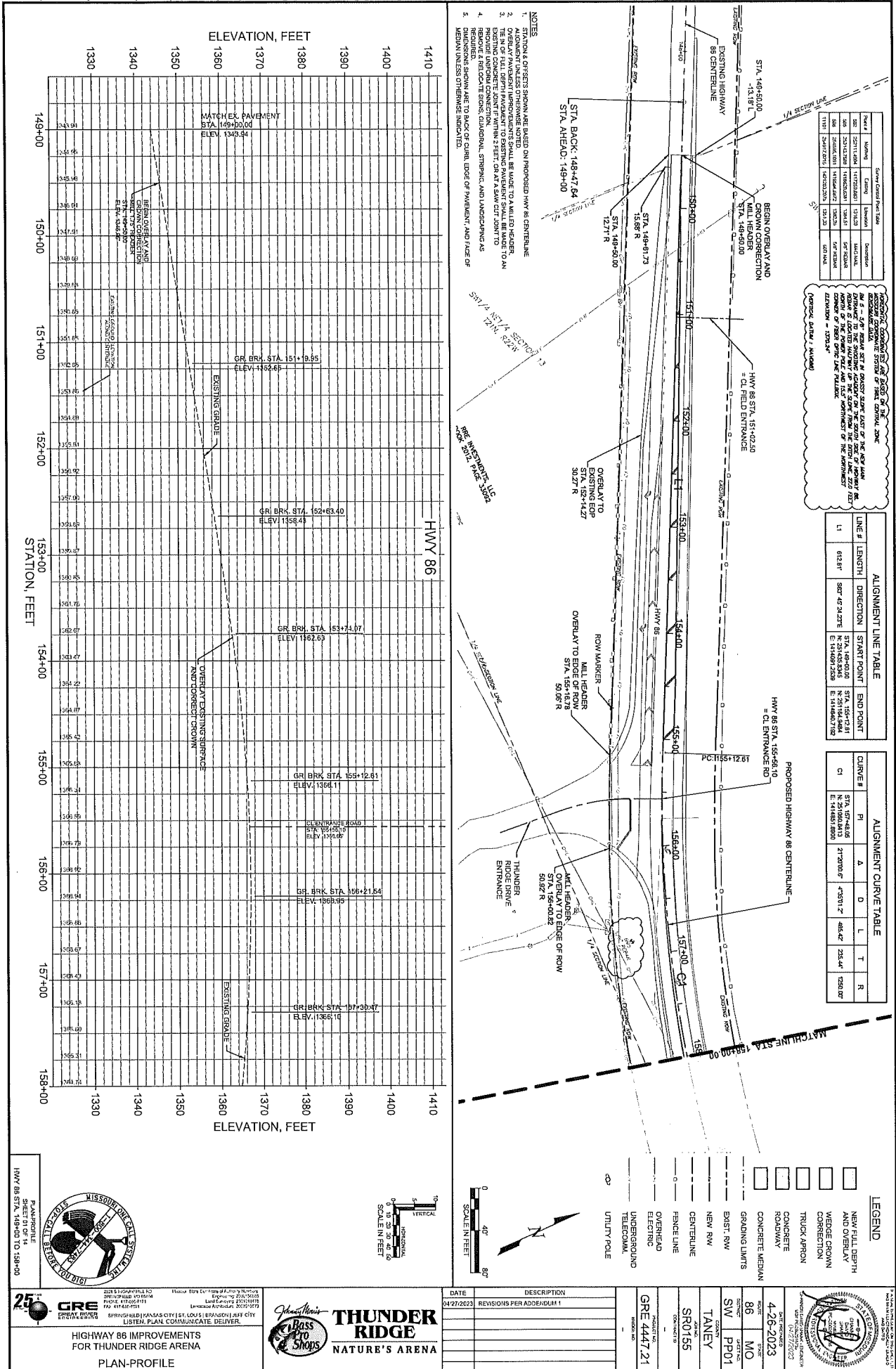
25' SCALE
 GRE ENGINEERING, INC.
 2025 N. WINDY HILLS RD.
 MOOREVILLE, MISSOURI 64550
 PHONE: 417-892-1111
 FAX: 417-892-1112
 WWW.GRE-ENGINEERING.COM
 HIGHWAY 66 IMPROVEMENTS
 FOR THUNDER RIDGE ARENA
 PLAN-PROFILE

THUNDER RIDGE
 NATURE'S ARENA

Thunder Ridge
 Bass Pro Shops

DATE	DESCRIPTION
04/27/2023	REVISIONS PER ADDENDUM 1

PROJECT NO. 4447.21
 SHEET NO. 86
 DATE: 4-26-2023
 DRAWN BY: MO
 CHECKED BY: SW
 DESIGNED BY: TANEY
 PROJECT ENGINEER: SFO155
 PROJECT MANAGER: GRE 4447.21



Station	Station	Station	Station	Station	Station
149+00	149+50	150+00	150+50	151+00	151+50
152+00	152+50	153+00	153+50	154+00	154+50
155+00	155+50	156+00	156+50	157+00	157+50
158+00					

PROPOSED CURVE DATA

PC: 155+12.61
 PVI: 155+12.61
 PT: 155+12.61
 CURVE LENGTH: 100.00 FT
 GRADE: 0.00%
 ELEVATION: 1368.11

LINE #	LENGTH	DIRECTION	START POINT	END POINT
L1	613.81'	S87° 42' 24" E	STA. 149+00.00	STA. 155+12.61

CURVE #	PI	A	D	L	T	R
C1	155+12.61	21° 00' 0" E	4° 30' 1" E	486.42'	254.44'	1250.00'

LEGEND

- NEW FILL CURB
- NEW OVERLAY
- WEDGE CROWN CONCRETE
- TRUCK APRON
- CONCRETE ROADWAY
- CONCRETE MEDIUM
- GRADING LIMITS
- EXIST. ROW
- NEW ROW
- CENTERLINE
- FENCE LINE
- OVERHEAD ELECTRIC
- UNDERGROUND TELECOMM.
- UTILITY POLE

- NOTES**
- STATION & CURVE SPACING BE BASED ON PROPOSED HWY 66 CENTERLINE.
 - OVERLAY PAVEMENT IMPROVEMENTS SHALL BE MADE TO A MILL TO HEADER.
 - THE TOP OF CURB SHALL BE FINISHED WITH A 1% SLOPE TO THE OUTSIDE TO PROVIDE UNIFORM DRAINAGE.
 - REQUIRE VERTICAL CURVES, GRADUAL STOPPING, AND LANDSCAPING AS SHOWN UNLESS OTHERWISE INDICATED.

MISSOURI DEPARTMENT OF TRANSPORTATION
 MISSOURI STATE HIGHWAY DEPARTMENT
 PLANS AND SPECIFICATIONS
 HIGHWAY 66 IMPROVEMENTS FOR THUNDER RIDGE ARENA
 PLAN-PROFILE
 SHEET 01 OF 14
 HWY 66 STA. 149+00 TO 158+00

THUNDER RIDGE NATURE'S ARENA

25th Anniversary
 Bass Pro Shops

DATE: 04/27/2023
 DESCRIPTION: REVISIONS PER ADDENDUM 1

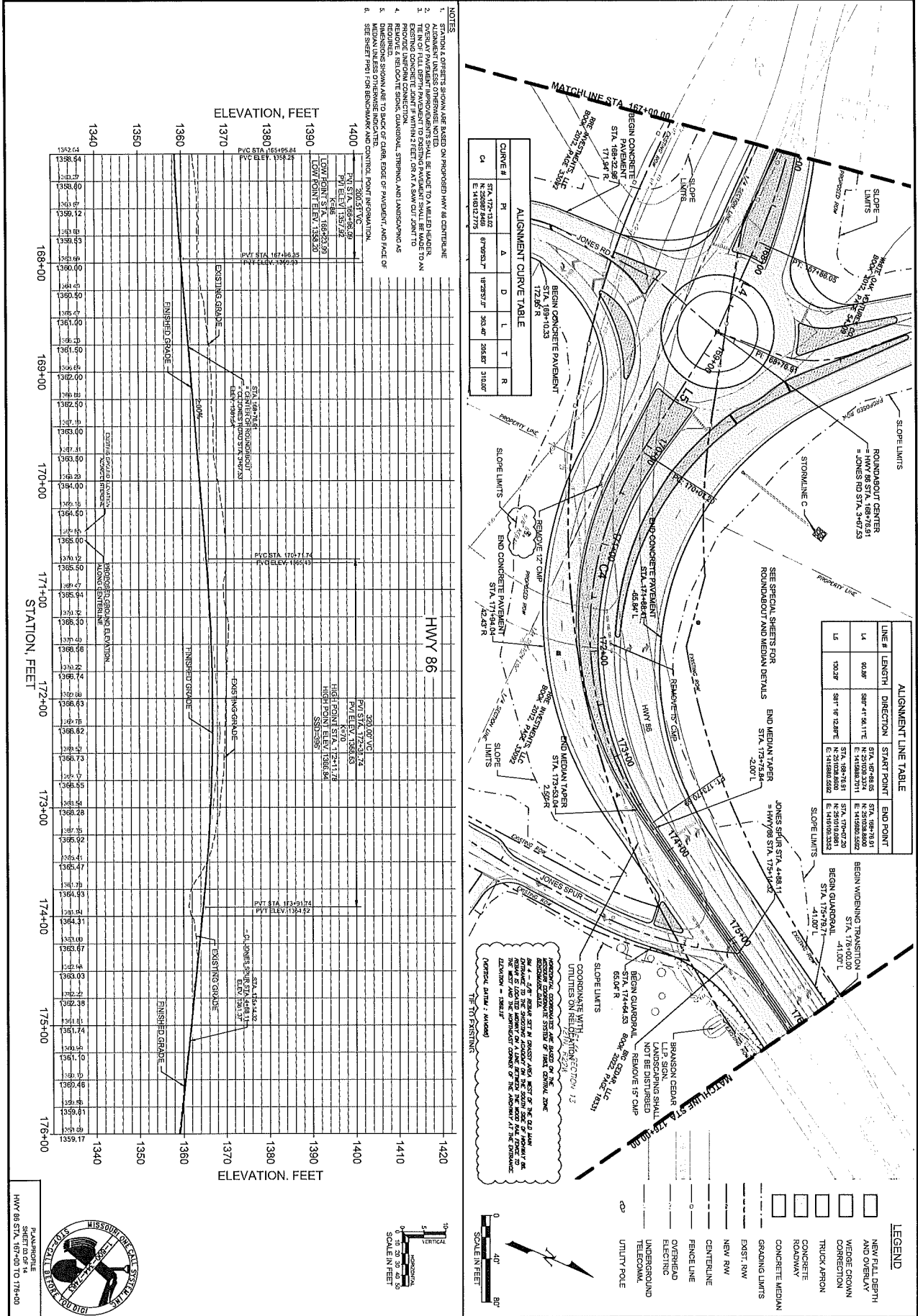
4-26-2023
 MO
 SW
 PP01
 TANEY
 SR0155

GRE 4447.21

SCALE IN FEET
 0 40 80

SCALE IN FEET
 0 10 20 30 40 50

Professional Engineer
 License No. 02772003
 State of Missouri



- NOTES**
- STATION & OFFSETS SHOWN ARE BASED ON PROPOSED HWY 86 CENTERLINE.
 - CONCRETE PAVEMENT IMPROVEMENTS SHALL BE MADE TO A WELDED REINER.
 - THE FULL DEPTH PAVEMENT TO EXISTING PAVEMENT SHALL BE MADE TO AN EXISTING FINISH GRADE.
 - REMOVE & RELOCATE SIGN, GUARDRAIL, STRIPING, AND LANDSCAPING AS SHOWN.
 - DIMENSIONS SHOWN ARE TO BACK OF CURB, EDGE OF PAVEMENT, AND FACE OF MEDIAN UNLESS OTHERWISE INDICATED.
 - SEE SHEET P01 FOR DIMENSIONS AND CONTROL POINT INFORMATION.

ALIGNMENT CURVE TABLE

CURVE #	PI	Δ	D	L	T	R
C1	STA 172+13.22	87°03'27"	192.97' R	303.48'	265.60'	310.80'

ALIGNMENT LINE TABLE

LINE #	LENGTH	DIRECTION	START POINT	END POINT
L4	90.98'	SPT 41° 54.1' E	STA 168+76.81 E 141832.775	STA 169+67.81 E 141898.522
L5	100.20'	SPT 16° 12.84' E	STA 169+76.81 E 141898.522	STA 170+77.01 E 141964.269

- LEGEND**
- NEW FULL DEPTH AND OVERLAY
 - WEDGE CROWN CONCRETE
 - TRUCK APRON
 - CONCRETE
 - CONCRETE MEDIUM
 - GRADING LIMITS
 - EXIST. RW
 - NEW RW
 - CENTERLINE
 - FENCE LINE
 - OVERHEAD ELECTRIC
 - UNDERGROUND TELECOM
 - UTILITY POLE

COORDINATE WITH THE DESIGNER'S LIMITS ON REVISION 13. REMOVE 15' CUP BRANSON CEDAR L.P.R. SIGN SHALL NOT BE DISTURBED. STA. 174+64.83. BOOK 2022, PAGE 18311. (NORTH ARROW: 44460)

PLAN PROFILE
SHEET 03 OF 14
HWY 86 STA. 167+00 TO 176+00

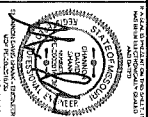
25 MISSOURI DEPARTMENT OF TRANSPORTATION
GRE GREAT RIDGE ENGINEERING
 2525 S BROADWAY, SUITE 100
 OMAHA, NE 68106
 (402) 426-1111
 WWW.GRE-ENGINEERING.COM

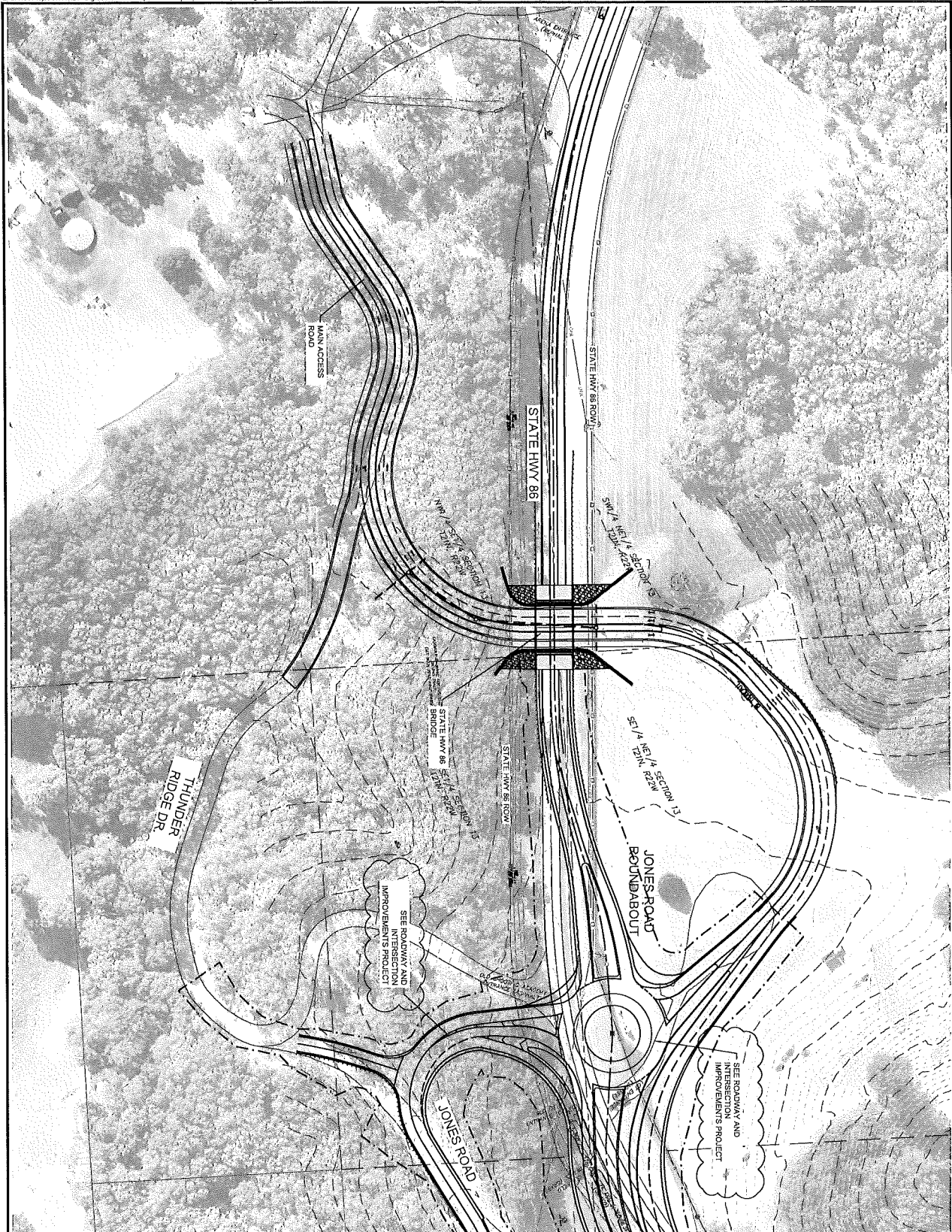
Project: Highway 86 Improvements for Thunder Ridge Arena
 Location: Thunder Ridge Arena, Big Cedar, MO
 Date: 4/26/2023

THUNDER RIDGE
 NATURE'S ARENA

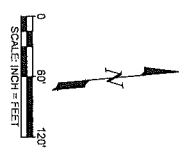
DATE	DESCRIPTION
4/27/2023	REVISIONS PER ADDENDUM 1

4-26-2023
 MO
 SW
 PPO3
 TANNEY
 SR0155
 GRE 4447.21





HWY 86 BRIDGE AND MAIN ACCESS ROAD
SHEET 1 OF 7
OVERALL PLAN



25 **GRE**
GREAT ENGINEERS

2518 S. TOWER HILLS RD.
SPRINGFIELD, MO 65804
PHONE: 417-866-9111
FAX: 417-866-9111

Project: HWY 86 BRIDGE AND MAIN ACCESS ROAD
Client: MISSOURI DEPARTMENT OF TRANSPORTATION

THUNDER RIDGE
NATURE'S ARENA

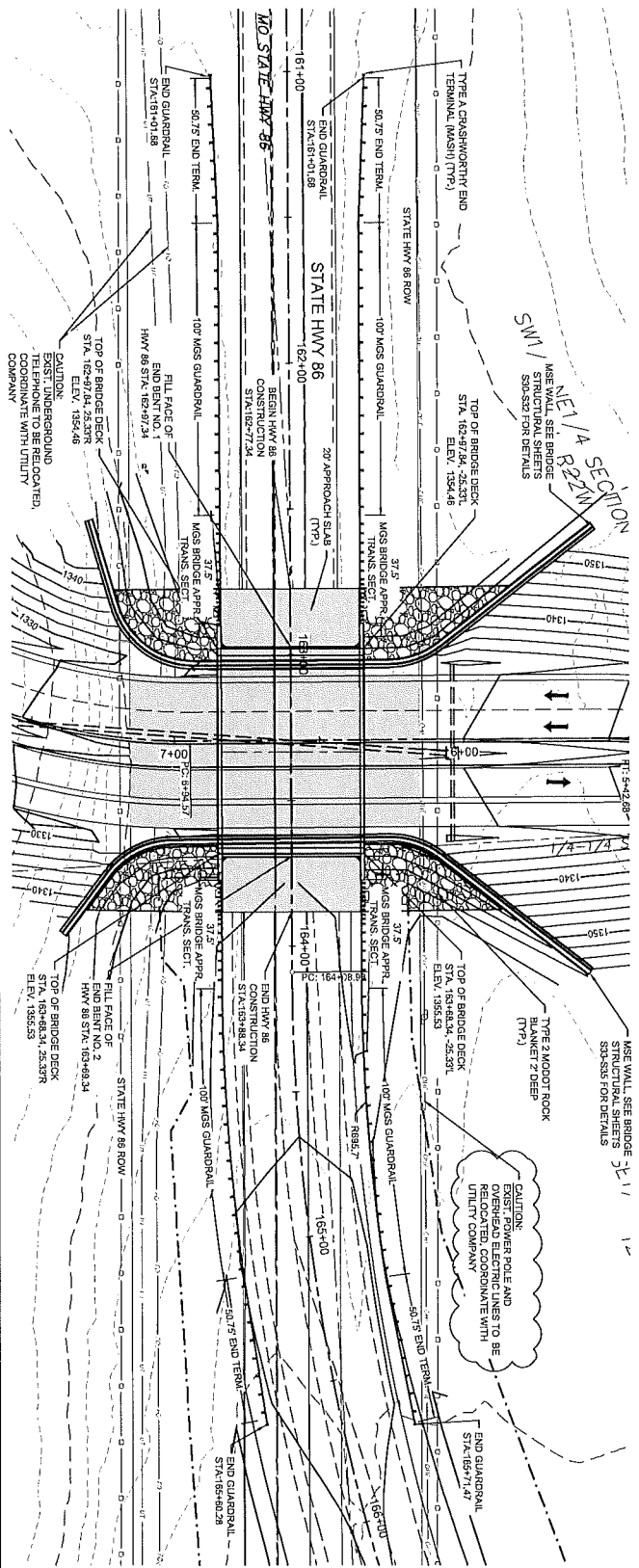
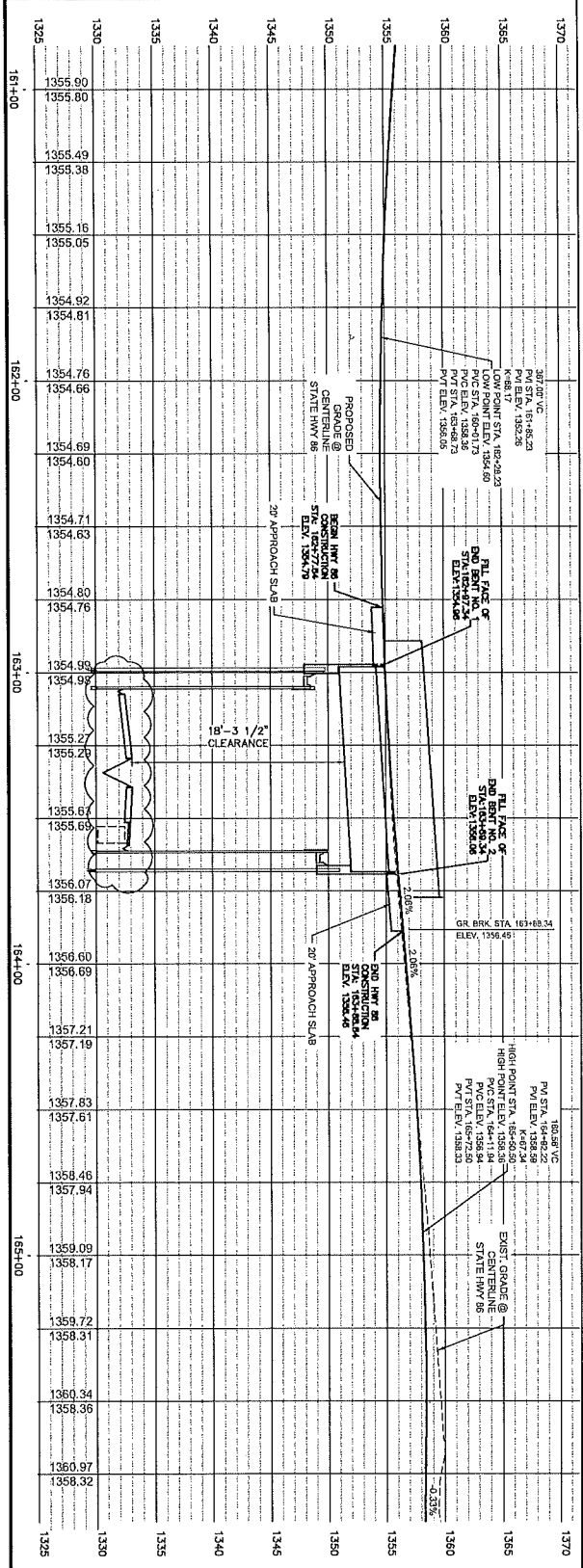
Johnny Morris
Base Pro Shops

THUNDER RIDGE
NATURE'S ARENA

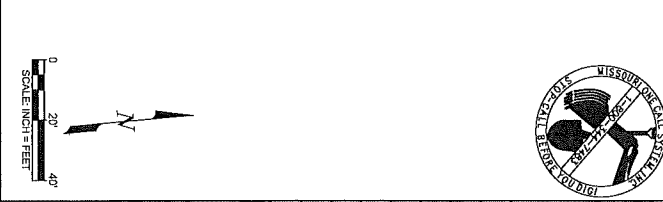
DATE	DESCRIPTION
4.27.23	ADDENDUM #1

PROJECT NO.	GRE 4447.21
DATE PREPARED	4-26-2023
ROUTE	86
SECTION	MO
CONTRACT	C4
DESIGNED BY	TANNEY
DRAWN BY	SR0155

STATE OF MISSOURI
DEPARTMENT OF TRANSPORTATION
Missouri Department of Transportation logo



Station	1325	1330	1335	1340	1345	1350	1355	1360	1365	1370
1325	1355.90	1355.80	1355.49	1355.38	1355.16	1355.05	1354.92	1354.81	1354.76	1354.66
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1335	1354.92	1354.81	1354.76	1354.66	1354.69	1354.80	1354.76	1354.99	1354.99	1355.27
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1700	1393.10	1393.10	1393.73	1393.73	1394.36	1394.36	1394.99	1394.99	1395.62	1395.62



25 GRE GREAT RIVER ENERGY SERVICES

2508 E 92ND AVENUE, SUITE 200, DENVER, CO 80231
 PHONE: 303.751.7914 FAX: 303.751.7915
 WWW.GREENERGY.COM

PROJECT: HIGHWAY 86 IMPROVEMENTS
 SHEET: 100 - PLAN SET HWY 86 BRIDGE
 DATE: 4/26/2023

THUNDER RIDGE NATURE'S ARENA

DATE	DESCRIPTION
4.27.23	ADDENDUM #1

PROJECT: HIGHWAY 86 IMPROVEMENTS
 SHEET: 100 - PLAN SET HWY 86 BRIDGE
 DATE: 4/26/2023

DESIGNED BY: TANEY
 DRAWN BY: SW
 CHECKED BY: C10
 PROJECT NO: SR0155
 SHEET NO: 100 - PLAN SET HWY 86 BRIDGE

DATE: 4-26-2023
 TIME: 8:00 AM
 PROJECT: HIGHWAY 86 IMPROVEMENTS
 SHEET: 100 - PLAN SET HWY 86 BRIDGE
 DATE: 4/26/2023