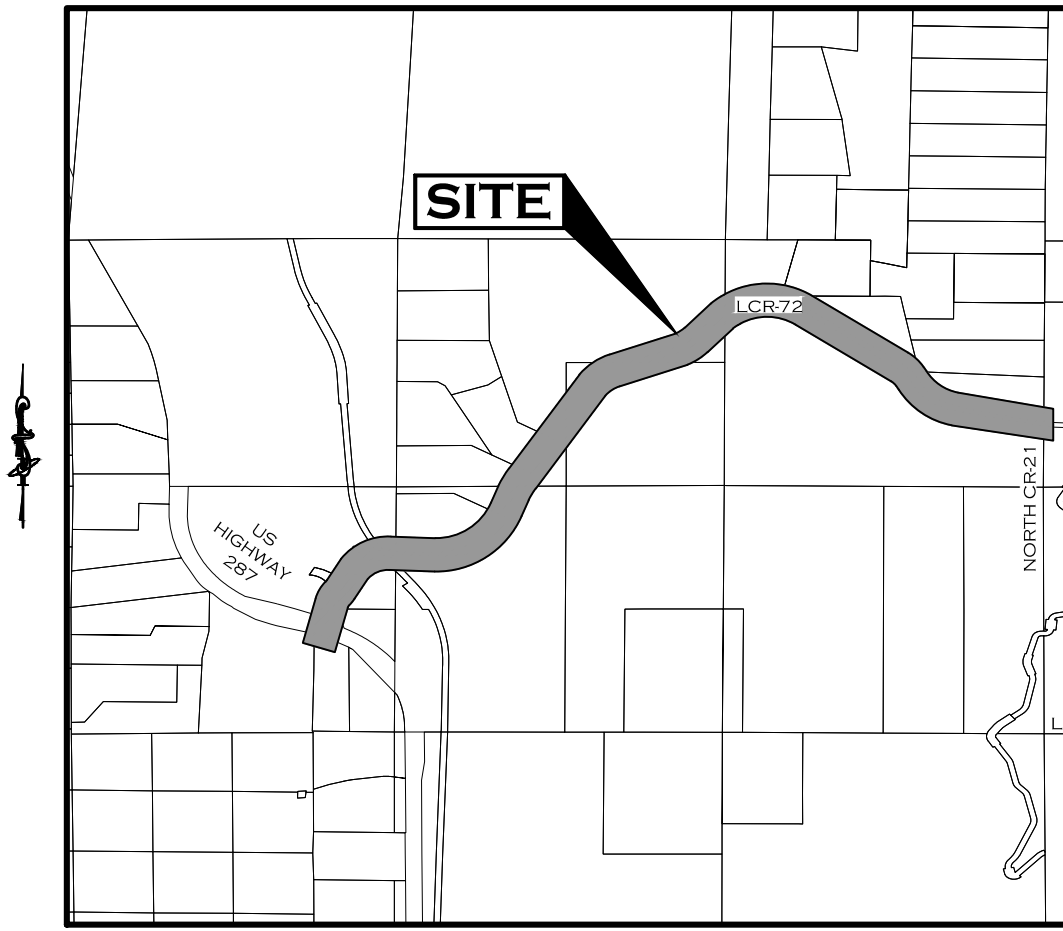
LARIMER COUNTY, COLO
DIVISION OF PUBLIC WO

PUBLIC WORKS PROJECT NO.
COUNTY ROAD 72 FROM NORTH CR 21 T

TABULATION OF LENGTH AND DESIGN DATA

STATION	DESCRIPTION	ROADWAY	
		LINEAR FEET	MILES
STA 100+00 STA 258+41.51	BEGIN PROJECT LIMITS END PROJECT LIMITS	15,842	3.00
TOTAL		15,842	3.00
* FOR INFORMATION ONLY			
DESIGN DATA ARTERIAL STA 100+00 TO 258+42 DESIGN SPEED POSTED SPEED DESIGN TRAFFIC (2016) CLEAR ZONE MINIMUM CENTERLINE RADIUS MAXIMUM GRADE MINIMUM S.S.D. VERTICAL STA 109+70 – 258+42		 55 MPH 50 MPH 3000 ADT 26' 450.00' 8.0% 495'	



PROJECT LOCATION MAP
SCALE: 1"=3000'

PROJECT BENCHMARK

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH LARIMER COUNTY RURAL AREA STREET STANDARDS, THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, AND THE PROJECT SPECIAL PROVISIONS.

FOR PRELIMINARY PLAN QUANTITIES OF PAVEMENT STRUCTURE MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:
BITUMINOUS PAVEMENT (GRADING S&SX) @ 153 LBS PER CU. FT.
AGGREGATE BASE COURSE @ 139 LBS PER CU. FT.

A TACK COAT OF DILUTED EMULSIFIED ASPHALT (SLOW SETTING) IS REQUIRED PRIOR TO THE PLACEMENT OF SUBSEQUENT LIFTS OF HOT BITUMINOUS PAVEMENT. PRIOR TO PLACEMENT OF TACK COAT, THE CONTRACTOR SHALL CLEAN THE SURFACE THAT WILL RECEIVE TACK COAT AS DIRECTED BY THE ENGINEER. EMULSIFIED ASPHALT AND CLEANING SHALL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF HOT BITUMINOUS PAVEMENT.

EMULSIFIED ASPHALT (SLOW SETTING) SHALL BE DILUTED USING 1 PART EMULSIFIED ASPHALT (SLOW SETTING) AND 1 PART WATER. RATE OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.

THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER:
1. SKI TYPE DEVICE AT LEAST 40 FEET IN LENGTH
2. SHORT SKI OR MATCHING SHOE
3. TRANSFER DEVICE
(TO TRANSFER ASPHALT MIX FROM WINDROW TO PAVING HOPPER – TOP LAYER ONLY)

ANY LAYER OF HOT MIX ASPHALT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE THE SUCCEEDING LAYER IS PLACED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

DRIVEWAY APPROACHES SHALL BE PAVED WITH TWO 2–INCH LIFTS OF HOT MIX ASPHALT TO THE LIMITS SHOWN ON THE PLANS AND ACCORDING TO THE DRIVEWAY TYPICAL SECTION. APPROACH RADII SHALL BE 15' OR AS SHOWN ON THE PLANS. ABC SHALL BE PLACED FROM THE HBP TO THE LIMITS SHOWN ON THE PLANS OR AS DIRECTED.

CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TRAFFIC AT ALL APPROACHES AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY MAILBOXES DURING CONSTRUCTION TO FACILITATE MAIL DELIVERY.

DEPTH OF MOISTURE–DENSITY CONTROL OF THIS PROJECT, INCLUDING DETOUR, SHALL BE AS FOLLOWS:
FULL DEPTH OF ALL EMBANKMENTS
BASES OF CUTS AND FILLS: 0.5 FOOT

EXCAVATION REQUIRE FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE CONSIDERED AS SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.

TYPE OF COMPACTION FOR EMBANKMENT ON THIS PROJECT WILL BE AASHTO T99 OR T180 AS DIRECTED BY THE ENGINEER.

WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED TO REDUCE MIGRATION OF AIR BORNE SOIL PARTICLES. CONTRACTOR SHALL PROVIDE WATER AS DUST PALLIATIVE AS DIRECTED BY THE ENGINEER. WATER AS DUST PALLIATIVE WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.

CR 72 PAVEMENT STRIPING AND SIGN INSTALLATION WILL BE DONE BY COUNTY FORCES IN COORDINATION WITH THE CONTRACT WORK.

EXISTING SIGNS ALONG CR 72 SHALL BE REMOVED BY THE CONTRACTOR AND SALVAGED FOR RE–USE IF POSSIBLE. HWY 287 SIGNAGE TO BE REMOVED SHALL BE SALVAGED AND TAKEN TO CDOT'S LIVERMORE SHOP AT HWY 287 AND CR 74E.

SEEDING AND HYDRO–MULCHING WILL BE DONE BY OTHERS.

UTILITY INFORMATION AS SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CALL "811" FOR UTILITY LOCATIONS AT LEAST 3 WORKING DAYS PRIOR TO ANY DIGGING, NOT INCLUDING THE DAY OF ACTUAL CONTACT.

REQUIRED UTILITY RELOCATIONS ARE NOT SHOWN ON THESE PLANS. ALL UTILITY RELOCATION WORK SHALL BE PERFORMED BY EACH RESPECTIVE UTILITY COMPANY AND/OR ITS CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING, AT HIS EXPENSE, ANY PROPERTY PINS OR SURVEY MONUMENTS REMOVED OR DESTROYED DURING CONSTRUCTION, AS PER SECTION 629 OF THE SPECIFICATIONS.

Property Owner	Removal of Fence (LF)	Removal of Gate (EA)
Stout	105	1
Spence	136	-
Swartz RT	1,805	2
Weaver STA 120+80 to 165+50 RT	3,922	1
State of Colorado RT	1,859	-
Weaver STA 184+50 to 202+00 RT	355	-
Weaver STA 206+00 to 211+00 RT	418	-
Weaver STA 215+00 to 252+50 RT	202	-
Peden	-	-
Martins	503	-
Swartz LT	1,056	1
Monell	663	1
Mortimer	1,045	1
Kindsfater	925	1
Weaver LT	1,215	1
State of Colorado LT	456	-
Brubaker	-	-
Rydell	360	-
Harvey	76	-
Total	**15,101**	**9**

**END AND CORNER BRACING POS
***5 STRAND BARB WIRE WITH ON

Utility Company Contact List

Utility Type	Utility Owner
Buried Phone	Century Link
Buried Fiber Optic	CSU Telecom

BID TABULATION

BID NO.	CONTRACT ITEM NO.	CONTRACT ITEM	UNIT	PROJECT TOTALS	
				PLAN	AS CONST.
1	201000	Clearing and Grubbing	LS	1	
2	202000	Removal of Structures and Obstructions	LS	1	
3	202024	Removal of Tree	LS	1	
4	202011	Removal of Structure	LS	1	
5	202071	Removal of Pipe	EA	15	
6	202095	Removal of Ground Sign*	EA	18	
7	202191	Removal of Pavement Marking	SF	1,165	
8	202210	Removal of Fence	LF	15,101	
9	202215	Removal of Gate	EA	7	
10	202220	Removal of Guard Rail Type 3	LF	578	
11	203020	Unclassified Excavation (Complete in Place)	CY	39,559	
12	203101	Rock Excavation (Complete in Place)	CY	11,040	
13	203055	Unsuitable Material (Complete in Place)	TON	1,400	
14	203170	Blading	HR	180	
15	204010	Haul & Dispose	CY	18,442	
16	206000	Structure Excavation	CY	250	
17	206010	Structure Backfill (Special)	CY	148	
18	207000	Topsoil	CY	6,656	
19	207010	Stockpile Topsoil	CY	6,449	
20	208008	Erosion Log (12 Inch) (weed free)	LF	4,806	
21	208014	Concrete Washout Structure	EA	1	
22	208031	Vehicle Tracking Pad	EA	2	
23	208040	Erosion Control Supervisor	LS	1	
24	209002	Dust Palliative	GAL	25,400	
25	210013	Reset Mailbox Structure (Type 1)	EA	4	
26	210019	Reset Mailbox Structure (Type 5)	EA	1	
27	210050	Reset Ground Sign**	EA	4	
28	210101	Reset Gate (Metal)	EA	1	
29	216030	Soil Retention Blanket (Jute)	SY	15,033	
30	304042	Aggregate Base Course (Class 5)	TON	43,014	
31	304046	Aggregate Base Course (Class 5)(Shoulder)	TON	5,936	
32	307500	Cement Treated Subgrade (12 inch)	SY	77,973	
33	403111	Hot Mix Asphalt (S)(75)(64-22)	TON	20,518	
34	403143	Hot Mix Asphalt (SX)(75)(64-22)	TON	8,318	
35	403085	Hot Mix Asphalt (SX)(75)(64-22)(Patching)	TON	163	
36	506002	Riprap (9 inch)	CY	273	
37	506004	Riprap (12 inch)	CY	139	
38	601060	Concrete Class D (Wall)	CY	19	

BID NO.	CONTRACT ITEM NO.	
39	602010	Reinforcing S
40	603006	18 Inch Reinf
41	603008	24 Inch Reinf
42	603012	36 Inch Reinf
43	603029	30 Inch x 19 I
44	603033	38 Inch x 24 I
45	603030	45 Inch x 29 I
46	603206	18 Inch RCP F
47	603208	24 Inch RCP F
48	603212	36 Inch RCP F
49	603222	30 Inch x 19 I
50	603223	38 Inch x 24 I
51	603220	45 Inch x 29 I
52	603494	15x4 foot Co
53	606010	Guardrail Typ
54	606132	End Anchora
55	607010	Fence Barbe
56	607026	Fence Smoo
57	607162	12 Foot Gate
58	607166	16 Foot Gate
59	607200	End Post
60	607205	Corner and L
61	611013	15 Foot Cattl
62	614006	Ground Sign
63	620002	Field Office
64	620020	Sanitary Faci
65	621000	Temporary C
66	621020	Temporary C
67	625000	Construction
68	626000	Mobilization
69	627000	Pavement M
70	627045	Preformed T
71	630000	Construction
72	630010	Flagging
73	630020	Pilot Car Ope
74	630029	Traffic Contr
75	630032	Traffic Contr
76	630086	Portable Me

LARIMER COUNTY ROAD 72 - SUMMARY OF EARTHWORK	
Pay Items	**Cubic Yards**
Unclassified Excavation (Complete in Place)	32,981
Structure Excavation	190
Unsuitable Material (Complete in Place)	1400*
Rock Excavation	11,040
Topsoil Stockpile	6,449
Topsoil	6,656
FOR INFORMATION ONLY	
Unclassified Excavation (from cross sections)	44,021
Embankment (from cross sections)	27,928
Embankment (Owl Canyon Trail)	1,400
Earthwork Balance	
Unclassified Excavation less 15%	37,418
Structure Excavation less 15%	162
Excess Embankment	8,251
Top Soil	
Stripped Topsoil (4 Inches)	6,449
Replace 4 inches deep on shoulder areas	6,656

* UNSUITABLE MATERIAL MEASURED AND PAID FOR BY THE TON, NOT CUBIC YARD

EARTHWORK TABULATION NOTES:

1. EXCAVATED CLAYSTONE SHALL NOT BE PLACED AS EMBANKMENT WITHIN THE TOP 12 INCHES OF THE SUBGRADE WITHIN EMBANKMENT SUPPORTING THE ROADWAY SHOULDERS AND PAVEMENT.
2. EXCESS EMBANKMENT SHALL BE DISTRIBUTED ON SITE AS FIELD DIRECTED OR BECOME PROPERTY OF THE CONTRACTOR.

MILE 1

LARIMER COUNTY ROAD 72 - SUMMARY OF EARTHW
STA 100+00 ts STA 153+00
Pay Items
Unclassified Excavation (Complete in Place)
Structure Excavation
Unsuitable Material (Complete in Place)
Rock Excavation
Topsoil (Remove, Stockpile, & Redistribute)
FOR INFORMATION ONLY
Unclassified Excavation (from cross sections)
Embankment (from cross sections)
Embankment (Owl Canyon Trail)
Earthwork Balance
Unclassified Excavation less 15%
Structure Excavation less 15%
Excess Material
Top Soil
Stripped Topsoil (4 Inches)
Replace 4 inches deep on shoulder areas
Excess Top Soil

MILE 3

LARIMER COUNTY ROAD 72 - SUMMARY OF EARTHW
STA 206+00 TO STA 257+00
Pay Items
Unclassified Excavation (Complete in Place)
Structure Excavation
Unsuitable Material (Complete in Place)
Rock Excavation
Topsoil (Remove, Stockpile, & Redistribute)
FOR INFORMATION ONLY
Unclassified Excavation (from cross sections)
Embankment (from cross sections)
Earthwork Balance
Unclassified Excavation less 15%
Structure Excavation less 15%
Additional Fill Required
Top Soil

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
☐ M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
☐ M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
☐ M-203-1	APPROACH ROADS	8
☐ M-203-2	DITCH TYPES	9
☐ M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
☐ M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
■ M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
☐ M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
■ M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS)	19-29
■ M-210-1	MAILBOX SUPPORTS (2 SHEETS)	30-31
☐ M-214-1	NURSERY STOCK DETAILS	32
■ M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33-34
☐ M-412-1	CONCRETE PAVEMENT JOINTS (5 SHEETS)	35-39
☐ M-412-2	CONCRETE PAVEMENT CRACK REPAIR (4 SHEETS) *(NEW, ISSUED ON OCTOBER 7, 2019)*	
☐ M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	40
☐ M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	41-42
■ M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	43-44
☐ M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	45-46
☐ M-601-10	HEADWALL FOR PIPES	47
☐ M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE	48
☐ M-601-12	HEADWALLS AND PIPE OUTLET PAVING	49
■ M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS)	50-51
☐ M-603-1	METAL PIPE (4 SHEETS)	52-55
■ M-603-2	REINFORCED CONCRETE PIPE	56
■ M-603-3	PRECAST CONCRETE BOX CULVERT *(REVISED ON SEPTEMBER 10, 2020)*	57
☐ M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND POLYPROPYLENE PIPE (AASHTO M330)	58
☐ M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	59
☐ M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	60
■ M-603-10	CONCRETE AND METAL END SECTIONS	61
☐ M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	62-64
☐ M-604-10	INLET, TYPE C	65
☐ M-604-11	INLET, TYPE D	66
☐ M-604-12	CURB INLET TYPE R (2 SHEETS)	67-68
☐ M-604-13	CONCRETE INLET TYPE 13	69
☐ M-604-20	MANHOLES (3 SHEETS)	70-72
☐ M-604-25	VANE GRATE INLET (5 SHEETS)	73-77

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
■ M-606-1	MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM 31 INCHES (19 SHEETS) *(REVISED ON MARCH 5, 2020)*	79-97
☐ M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	98-101
■ M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS) *(REVISED ON AUGUST 21, 2020)*	~~102-104~~
☐ M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) *(REVISED ON MARCH 5, 2020)*	105-115
■ M-607-1	WIRE FENCES AND GATES (3 SHEETS)	116-118
☐ M-607-2	CHAIN LINK FENCE (3 SHEETS)	119-121
☐ M-607-3	BARRIER FENCE	122
☐ M-607-4	DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS) *(REVISED ON JULY 13, 2020)*	~~123-127~~
☐ M-607-10	PICKET SNOW FENCE	128
☐ M-607-15	ROAD CLOSURE GATE (9 SHEETS)	129-137
☐ M-608-1	CURB RAMPS (10 SHEETS)	138-147
☐ M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	148-151
■ M-611-1	CATTLE GUARD (2 SHEETS)	152-153
☐ M-611-2	DEER GUARD (2 SHEETS)	154-155
☐ M-614-1	RUMBLE STRIPS (3 SHEETS)	156-158
☐ M-614-2	SAND BARREL ARRAYS (2 SHEETS)	159-160
☐ M-615-1	EMBANKMENT PROTECTOR TYPE 3	161
☐ M-615-2	EMBANKMENT PROTECTOR TYPE 5	162
☐ M-616-1	INVERTED SIPHON	163
☐ M-620-1	FIELD LABORATORY CLASS 1	164
☐ M-620-2	FIELD LABORATORY CLASS 2 (2 SHEETS)	165-166
☐ M-620-11	FIELD OFFICE CLASS 1	167
☐ M-620-12	FIELD OFFICE CLASS 2	168
■ M-629-1	SURVEY MONUMENTS (2 SHEETS)	169-170

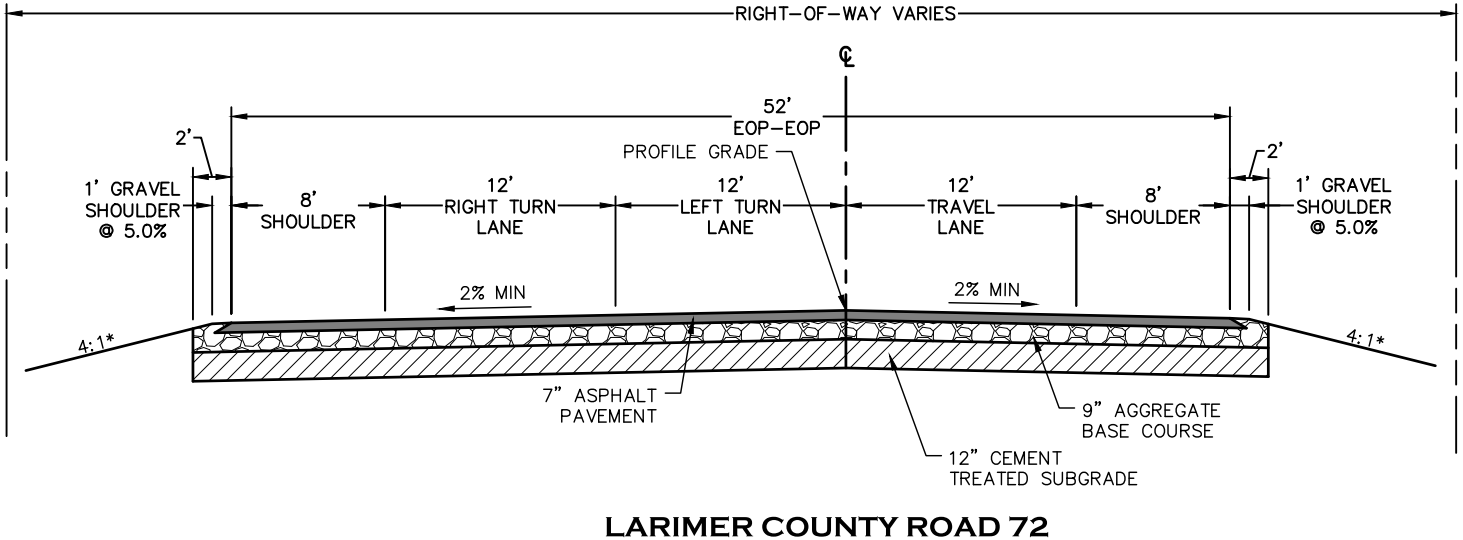
COLORADO
DEPARTMENT OF TRANSPORTATION

M&S STANDARDS PLANS LIST

July 31, 2019

Revised on December 3, 2020

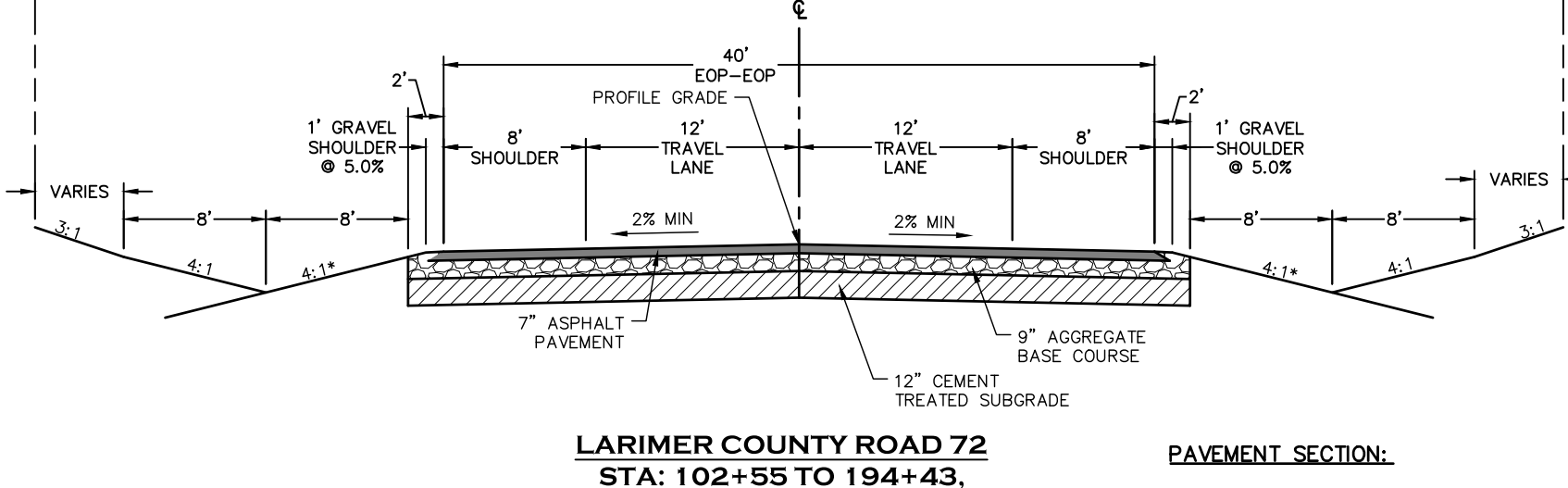
ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.



LARIMER COUNTY ROAD 72
STA: 100+00 TO 102+55
TYPICAL SECTION

N.T.S.

*OR AS SHOWN ON CROSS SECTIONS



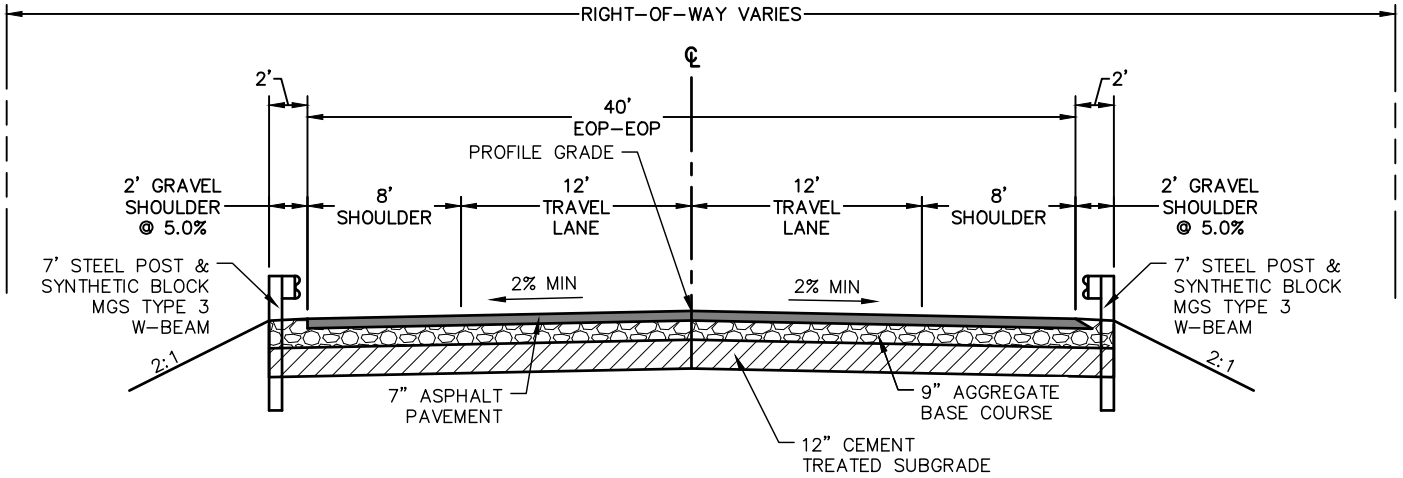
LARIMER COUNTY ROAD 72
STA: 102+55 TO 194+43,
198+68 TO 208+28 & 214+00 TO 258+41
TYPICAL SECTION

N.T.S.

*OR AS SHOWN ON CROSS SECTIONS

PAVEMENT SECTION:

FULL DEPTH ASPHALT SECTION
2" HOT MIX ASPHALT (GRADING SX)(ASPH
2" HOT MIX ASPHALT (GRADING S)(ASPH)
3" HOT MIX ASPHALT (GRADING S)(ASPH)
9" AGGREGATE BASE COURSE (CLASS 5)
12" CEMENT TREATED SUBGRADE



LARIMER COUNTY ROAD 72 STA: 194+43 TO 198+68 & STA: 208+28 TO 214+00 TYPICAL SECTION

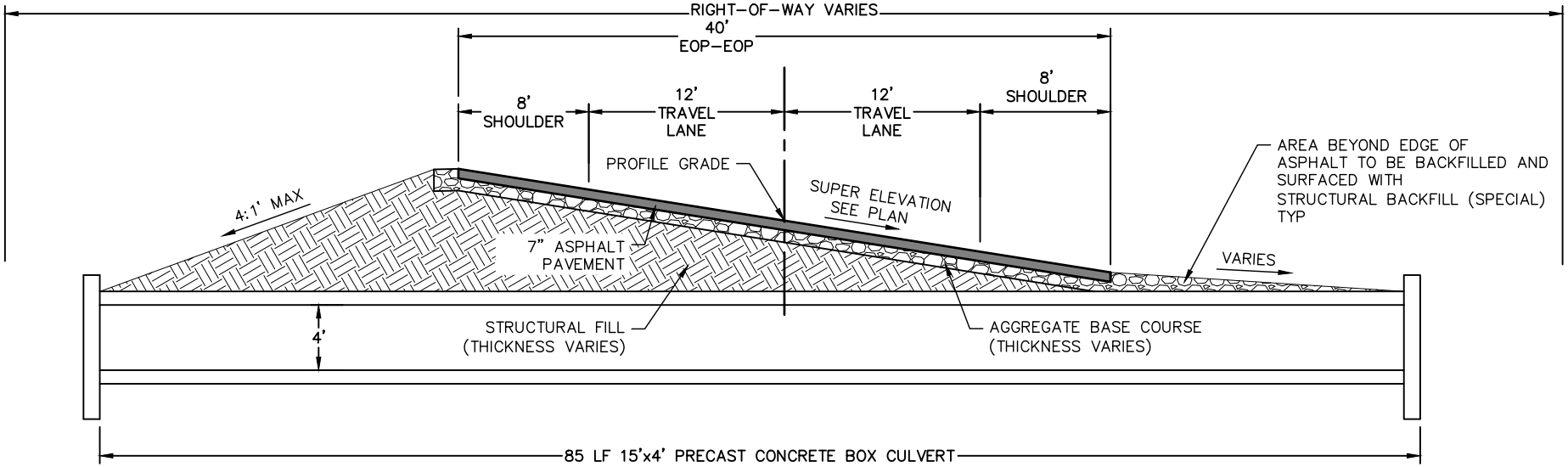
N.T.S.

*SEE PLAN VIEW FOR EXACT STATION LIMITS OF GUARDRAIL

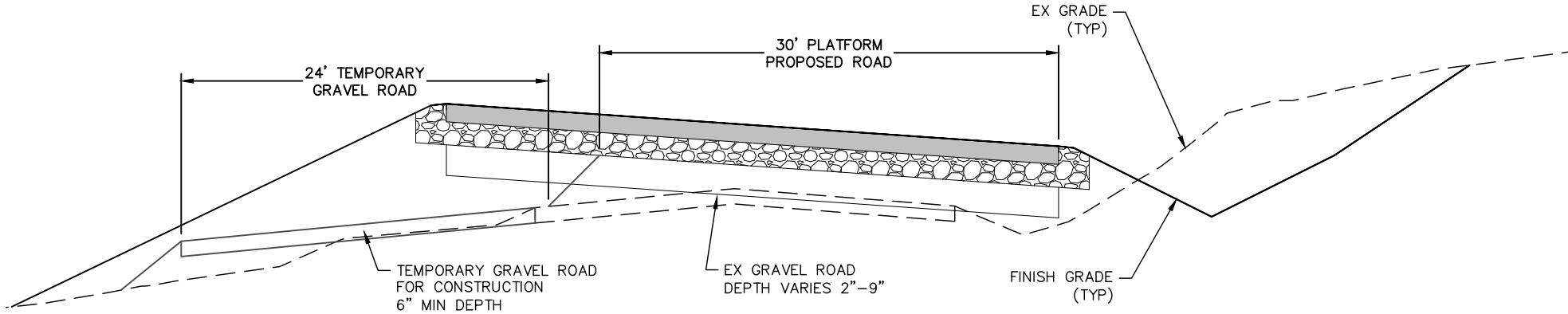
ROCK OVER EXCAVATION NOTE:

1. STA 207+00 TO 213+00 REQUIRES OVER EXCAVATION BELOW ROADWAY SUBGRADE. MAINTAIN A MINIMUM OF 3 FEET SEPARATION FROM BOTTOM OF STANDARD 9 INCH AGGREGATE BASE COURSE TO TOP OF EXISTING CLAYSTONE OR SANDSTONE LAYER. BRIDGE GAP WITH ADDITIONAL AGGREGATE BASE MATERIAL OR AS APPROVED BY THE PROJECT ENGINEER. FINAL LIMITS OF OVER EXCAVATION TO BE FIELD VERIFIED.

LARI



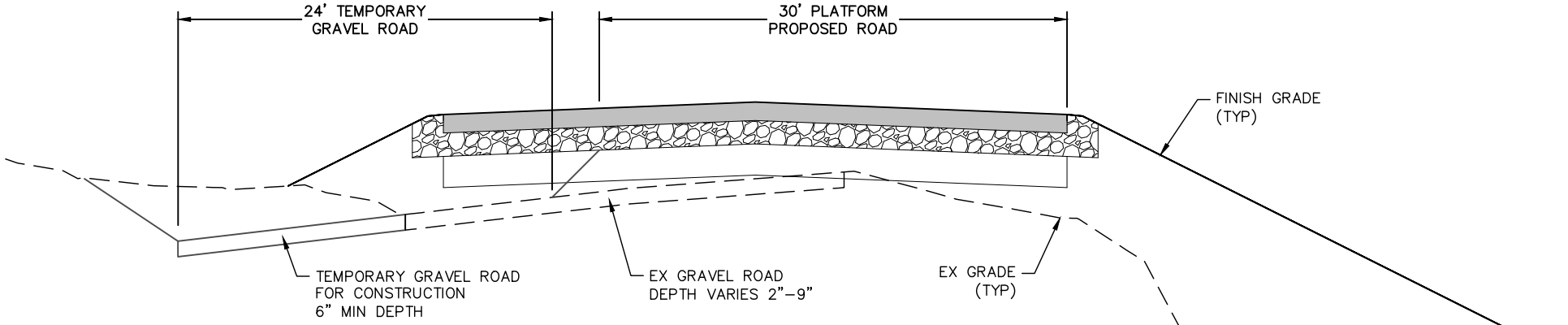
LARIMER COUNTY ROAD 72 STA: 120+21 TO 120+35



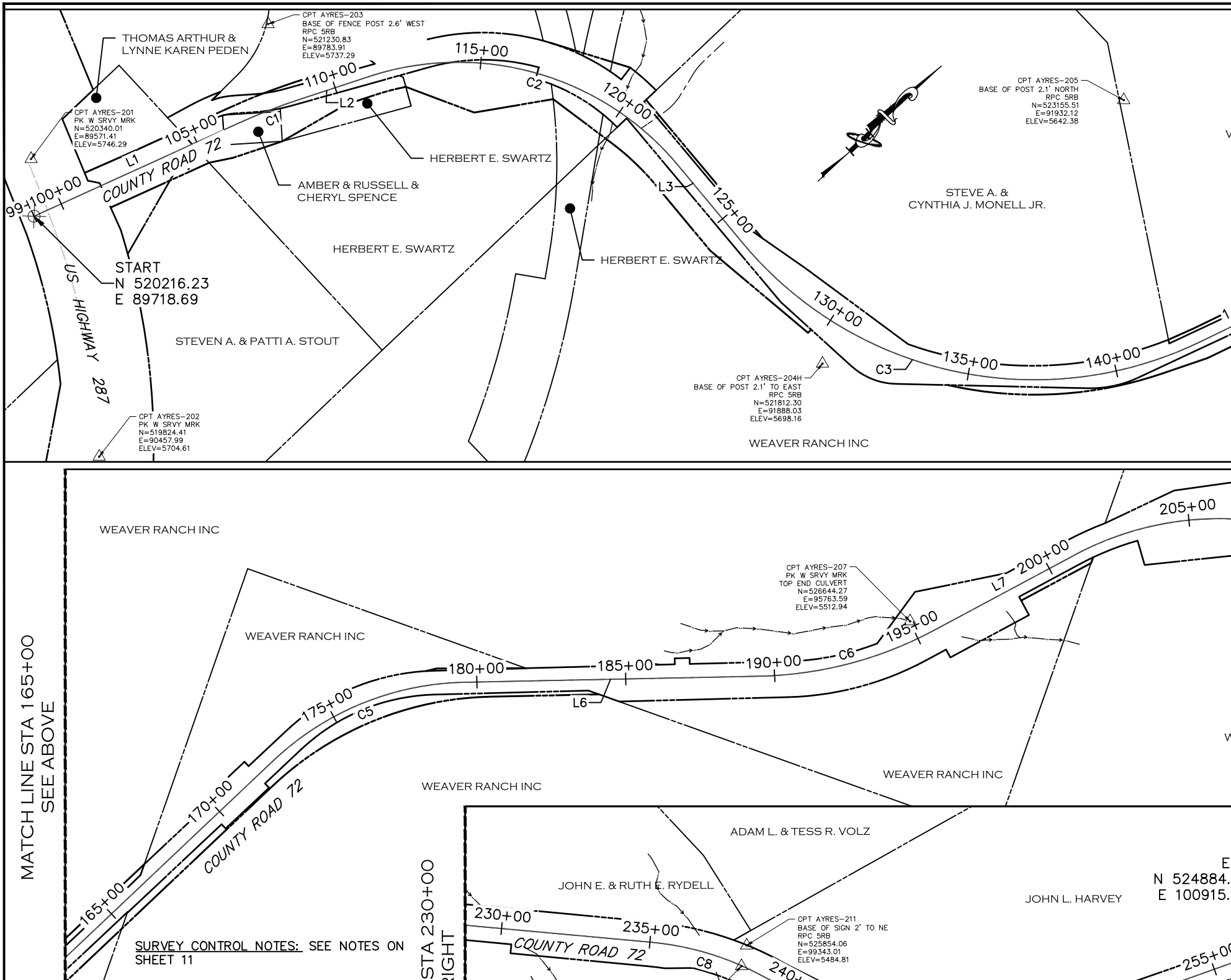
NOTES:
1. EX GRAVEL UNDER PROPOSED ROADWAY PLATFORM TO BE USED TO CONSTRUCT 24' WIDE TEMPORARY GRAVEL ROADWAY. CONSTRUCTION AND MAINTENANCE OF ROADWAY TO BE PAID FOR UNDER THE LUMP SUM ITEM "TEMPORARY CONSTRUCTION ROAD (24' WIDE ABC)"
2. TEMPORARY GRAVEL ROAD TO BE SCARIFIED AND RECONDITIONED PRIOR TO PLACING ADDITIONAL FILL FOR ULTIMATE ROADWAY.

24' TEMPORARY GRAVEL ROAD TYPICAL SECTION - FILL CONDITION

1"=10'



NOTES:
1. EX GRAVEL UNDER PROPOSED ROADWAY PLATFORM TO BE USED TO CONSTRUCT 24' WIDE TEMPORARY GRAVEL ROADWAY. CONSTRUCTION AND MAINTENANCE OF ROADWAY TO BE PAID FOR UNDER THE LUMP SUM ITEM "TEMPORARY CONSTRUCTION ROAD (24' WIDE ABC)"
2. TEMPORARY GRAVEL ROAD TO BE SCARIFIED AND RECONDITIONED PRIOR TO PLACING ADDITIONAL FILL FOR ULTIMATE ROADWAY.


THOMAS ARTHUR &
LYNNE KAREN PEDEN
CPT AYRES–203
BASE OF FENCE POST 2.6' WEST
RPC 5RB
N=521230.83
E=89783.91
ELEV=5737.29
CPT AYRES–201
PK W SRVY MRK
N=520340.01
E=89571.41
ELEV=5746.29
99+00
100+00
105+00
110+00
115+00
120+00
125+00
130+00
135+00
140+00
L1
L2
L3
C1
C2
C3
COUNTY ROAD 72
US HIGHWAY 287
START
N 520216.23
E 89718.69
AMBER & RUSSELL &
CHERYL SPENCE
HERBERT E. SWARTZ
HERBERT E. SWARTZ
HERBERT E. SWARTZ
STEVEN A. & PATTI A. STOUT
CPT AYRES–205
BASE OF POST 2.1' NORTH
RPC 5RB
N=523155.51
E=91932.12
ELEV=5642.38
STEVE A. &
CYNTHIA J. MONELL JR.
CPT AYRES–204H
BASE OF POST 2.1' TO EAST
RPC 5RB
N=521812.30
E=91888.03
ELEV=5698.16
WEAVER RANCH INC
CPT AYRES–202
PK W SRVY MRK
N=519824.41
E=90457.99
ELEV=5704.61
WEAVER RANCH INC
WEAVER RANCH INC
WEAVER RANCH INC
WEAVER RANCH INC
CPT AYRES–207
PK W SRVY MRK
TOP END CULVERT
N=526644.27
E=95763.59
ELEV=5512.94
165+00
170+00
175+00
180+00
185+00
190+00
195+00
200+00
205+00
L6
L7
C5
C6
COUNTY ROAD 72
MATCH LINE STA 165+00
SEE ABOVE
SURVEY CONTROL NOTES: SEE NOTES ON
SHEET 11
MATCH LINE STA 230+00
SEE RIGHT
ADAM L. & TESS R. VOLZ
JOHN E. & RUTH E. RYDELL
JOHN L. HARVEY
CPT AYRES–211
BASE OF SIGN 2' TO NE
RPC 5RB
N=525854.06
E=99343.01
ELEV=5484.81
230+00
235+00
240+00
255+00
C8
COUNTY ROAD 72
N 524884.
E 100915.

TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

Format *

- □ 3D Design Modeling Electronic Files ____________
- ■ Horizontal Control ____________
- ■ Vertical Control ____________
- ■ Roadway Alignment ____________
- ■ Original Terrain Data ____________
- □ Other: ____________

* Specify the information format, ie., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

- □ Landscaping
- □ Signalization
- □ Safety Improvement
- □ Asphalt Overlay
- □ Concrete Overlay
- □ Minor Widening
- □ Major Reconstruction
- ■ New Roadway Construction
- □ Bridge Replacement
- □ Bridge Widening
- □ New Bridge
- □ Other: ____________

SURVEY WORK TO BE PERFORMED BY OTHERS: ____________

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- ___ □ A complete passing Base Line report (completed within 6 months prior to the start of the project)
- ___ □ An instrument calibration Certification (completed within 6 months prior to the start of the project)
- ___ ■ Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)
- ___ ■ Verification and Maintenance of Horizontal and Vertical Control
- ___ □ Verify or Determine existing grades and alignments
- ___ □ Verify or Determine existing topography
- ___ ■ Clearing and Grubbing Limits (Section 201)
- ___ □ Removal Limits (Section 202)
- ___ □ Reset Items (Section 210)
- ___ ■ Excavation and Embankment (Section 203)
  - ___ ■ Excavation
    - ___ ■ Unclassified
    - ___ □ Stripping
    - ___ □ Muck
    - ___ ■ Rock
    - ___ □ Borrow
    - ___ □ Other: ____________
    - ___ □ Potholing
  - ___ ■ Embankment
  - ___ □ Site Grading
  - ___ ■ Erosion Control (Perm)
  - ___ □ Other: ____________
  - ___ □ As Staked Earthwork Quantities (See General Notes)

	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
Excavation	✓	-	✓	*
	-	-	-	-
	-	-	-	-
	✓	-	✓	-
	-	-	-	-
	-	-	-	-
Embankment	✓	-	-	*
	-	-	-	-
	-	-	-	-
	-	-	-	-

- ___ □ Landscaping
  - ___ □ Top Soil (Section 207)
  - ___ □ Seeding (Section 212)
  - ___ □ Mulching (Section 213)
  - ___ □ Planting (Section 214)
  - ___ □ Herbicide (Section 217)
  - ___ □ Other: ____________
- ___ □ Erosion Control (Section 208)
  - ___ □ Seeding (Temp)
  - ___ □ Silt Fence
  - ___ □ Erosion Bales
  - ___ □ Erosion Logs
  - ___ □ Riprap (Temp)
  - ___ □ Other: ____________
- ___ ■ Roadway Bases

ses	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset

- ___ □ Pavements
  - ___ ■ HMA - Hot Mix Asphalt (Section 403)
  - ___ □ Concrete (Section 412)
  - ___ □ Heating & Scarifying Treatment
  - ___ □ Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)
  - ___ □ Seal Coat or Chip Seal (Section 409)
  - ___ □ Other: ____________

Pavements	Grid (Y/N)	Special Interval
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-

- ___ □ Roadway Elements
  - ___ □ Curb and Gutter (Section 609)
  - ___ □ Drop inlets - alignment and grades (Section 604)
  - ___ □ Retaining Walls
  - ___ ■ Guard Rail (Section 606)
  - ___ □ Sidewalk (Section 608)
  - ___ □ Overlay Stationing
  - ___ □ Other: ____________

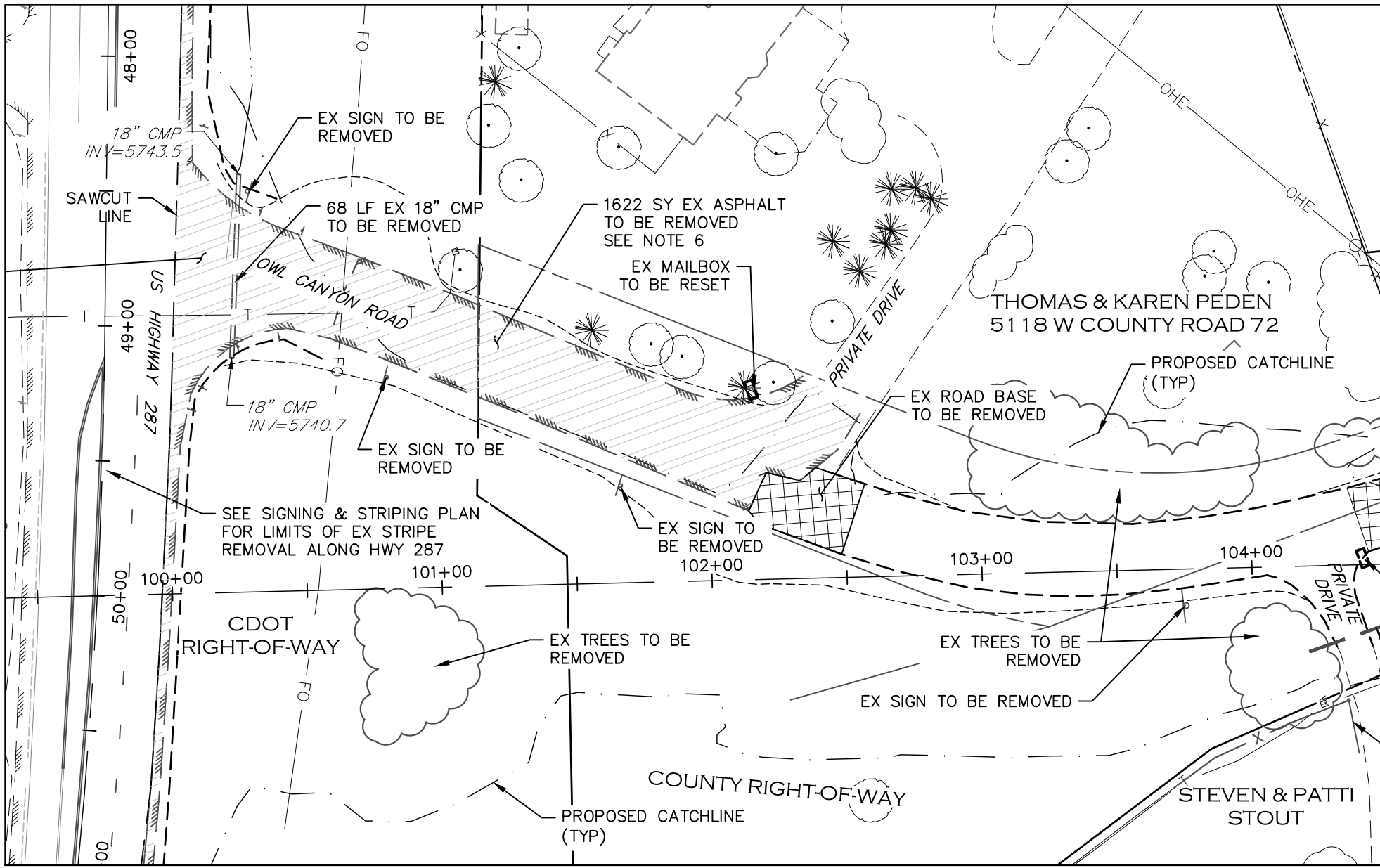
Curb & Gutter	Tangent Interval	Curve Interval
	-	-

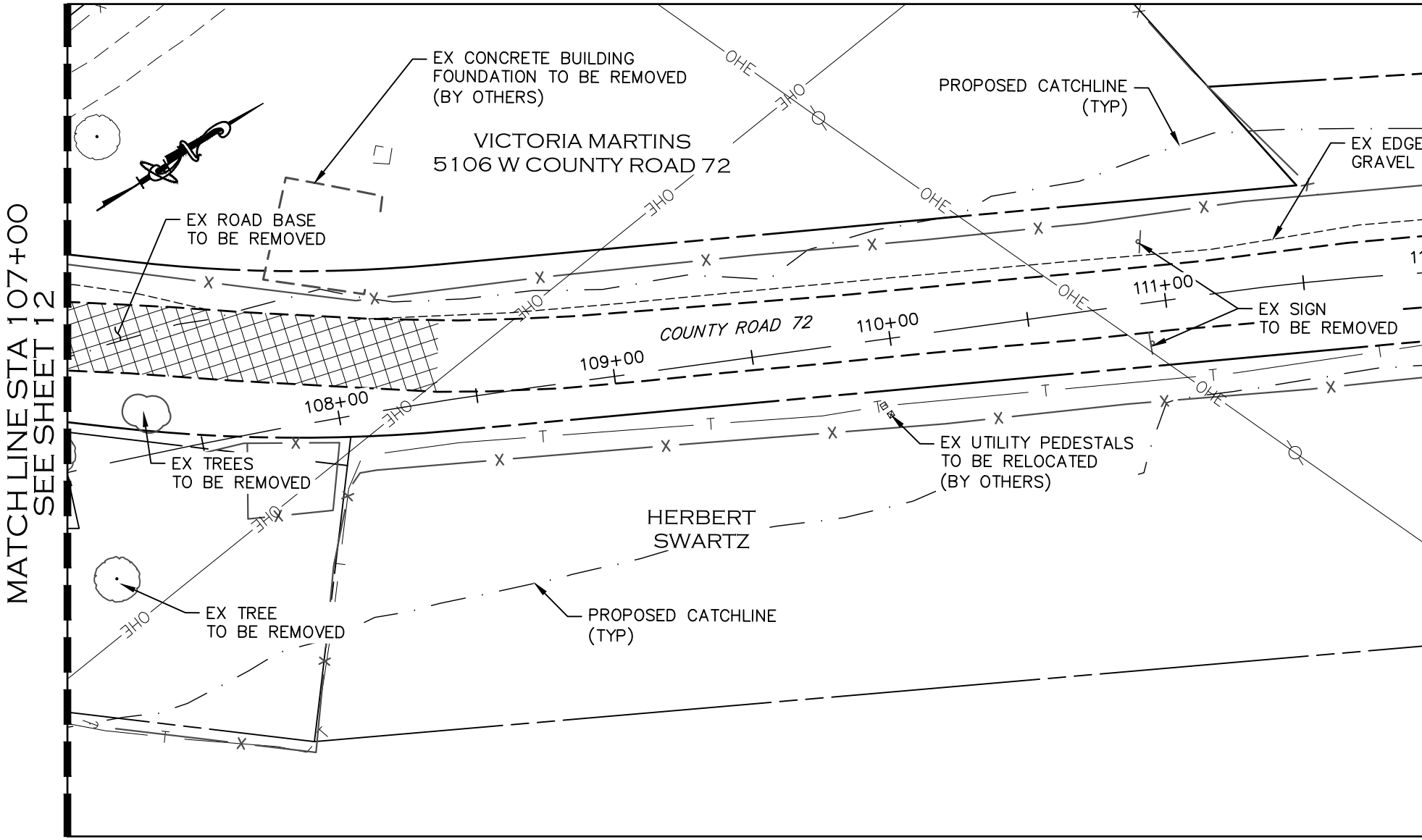
Stationing	Left Interval	Center Interval
	-	-

- ___ ■ Riprap (Perm) (Section 506)
- ___ □ Slope and Ditch Paving (Section 507)
- ___ ■ Minor Structures
  - ___ ■ Structure Excavation limits (Section 206)
  - ___ ■ Culverts (Section 603)
  - ___ □ Culverts w/ Headwalls and Wingwalls (Section 601)
  - ___ □ Concrete Box Culverts w/ Headwalls and Wingwalls
  - ___ □ Pipes (Section 603)
    - ___ □ Sanitary Sewer
    - ___ ■ Storm Sewer
    - ___ □ Water
    - ___ □ Irrigation
    - ___ □ Miscellaneous
  - ___ □ Manholes (Section 604)
  - ___ □ Inlets (Section 604)
  - ___ □ Permanent Water Quality BMP (Section 208)
  - ___ □ Other: ____________
- ___ □ Major Structures - Overhead Signs (Section 614), Concrete Box Culverts, B and all other structures assigned a structure number
  - ___ □ Structure Excavation limits (Section 206)
  - ___ ■ Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Se
  - ___ □ Piling locations and cut off elevations (Section 502)
  - ___ □ Caisson locations and elevations (Section 503)
  - ___ ■ Footing locations, alignment, and elevations
  - ___ ■ Abutment/Pier locations, alignment, and elevations
  - ___ ■ Wingwall skew angles/offsets
  - ___ ■ Structural concrete form locations
  - ___ □ Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs
  - ___ □ Bridge expansion joint(s) alignment and grade (longitudinal and trar
  - ___ □ Deck grades at Girder 10th or 'n' th point locations and elevation
  - ___ □ Slope and Ditch Paving (Section 507)
  - ___ □ Other: ____________
- ___ ■ Fencing (Section 607)
  - ___ □ Temporary
  - ___ ■ Permanent
  - ___ □ Sound Barrier
  - ___ □ Other: ____________
- ___ □ Delineators (Section 612)
  - ___ □ Temporary
  - ___ □ Permanent
- ___ □ Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)
  - ___ □ Signal pole locations and elevations
  - ___ □ Light pole locations and elevations
  - ___ □ Sign locations

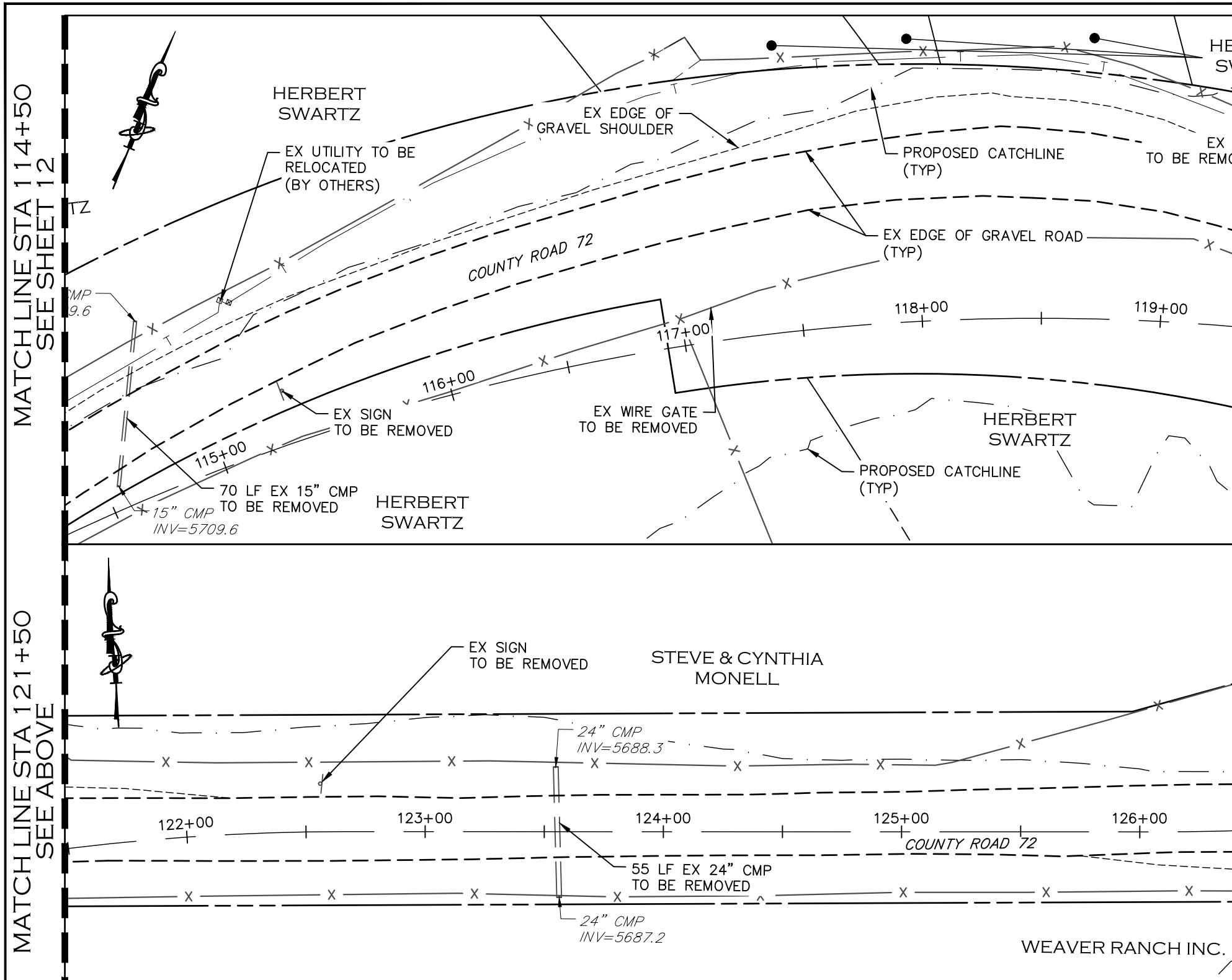
LINE TABLE			
LINE	LENGTH	DIRECTION	START (N,E)
L1	753.45	N18° 35’ 40.28”E	N 520216.23, E 89718.69
L2	247.48	N24° 51’ 05.61”E	N 521133.16, E 90039.74
L3	338.25	S86° 40’ 17.70”E	N 521912.64, E 91070.59
L4	510.16	N17° 15’ 42.48”E	N 522787.51, E 92699.87
L5	2153.16	N26° 26’ 25.12”E	N 523542.05, E 92958.46
L6	989.98	N68° 41’ 56.41”E	N 525936.94, E 94428.03
L7	536.40	N41° 41’ 57.50”E	N 526642.97, E 95848.77
L8	734.67	S51° 53’ 14.36”E	N 527168.70, E 97610.37
L9	1121.77	S52° 32’ 19.85”E	N 526715.25, E 98188.41
L10	249.39	S29° 50’ 11.54”E	N 525748.57, E 99327.69
L11	861.67	S77° 23’ 44.54”E	N 525073.00, E 100075.03

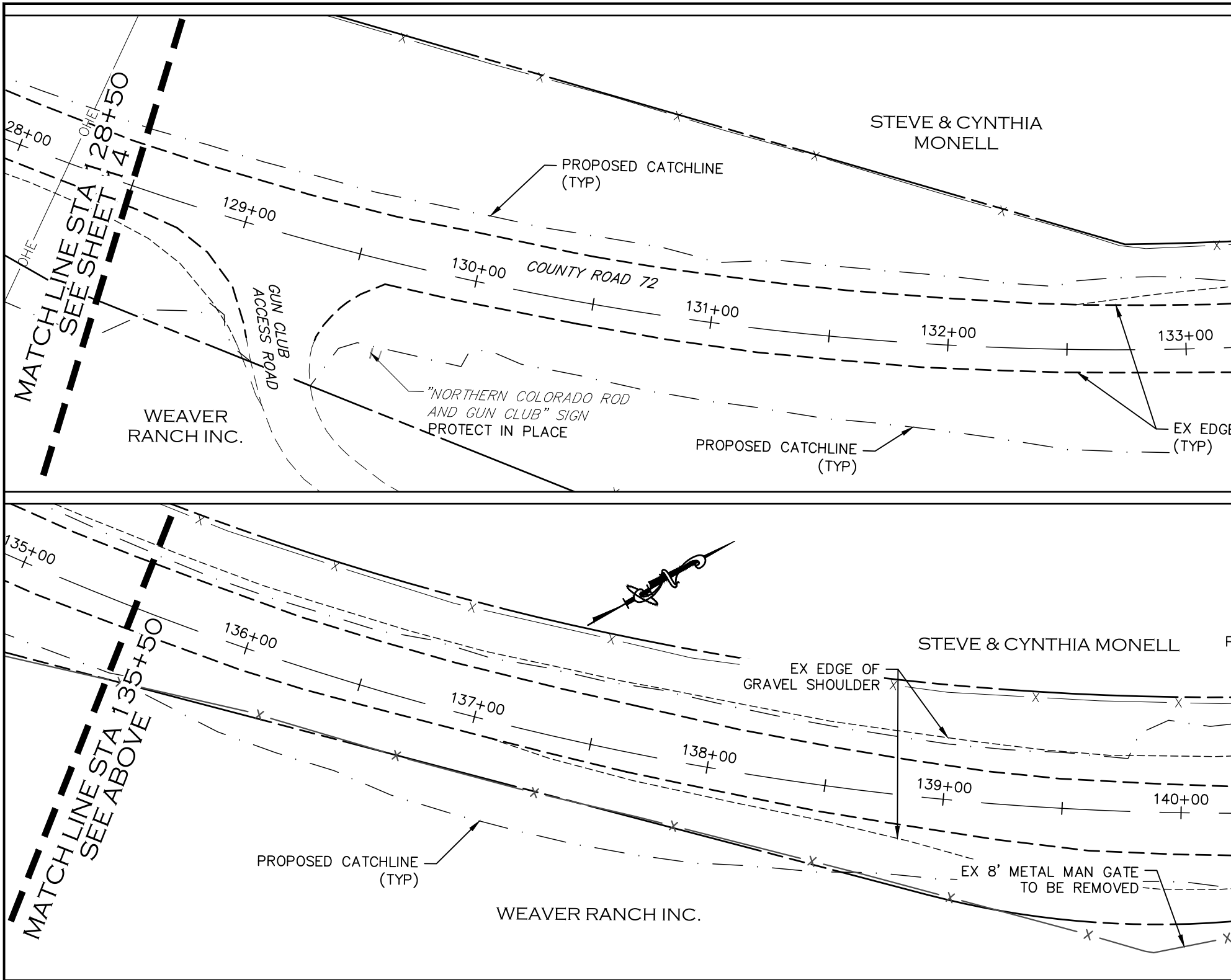
CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH	START
C1	218.41	2000.00	6.26°	S21° 43’ 23”W	218.30	N 521133.16
C2	1147.34	960.00	68.48°	S59° 05’ 24”W	1080.26	N 521912.64
C3	1692.71	1275.00	76.07°	N55° 17’ 42”E	1571.10	N 521893.00
C4	288.35	1800.00	9.18°	S21° 51’ 04”W	288.04	N 523542.05
C5	708.05	960.00	42.26°	S47° 34’ 11”W	692.11	N 525936.94
C6	612.60	1300.00	27.00°	N55° 11’ 57”E	606.95	N 526296.57
C7	1553.44	1030.00	86.41°	S84° 54’ 22”W	1410.34	N 527168.70
C8	380.38	960.00	22.70°	N41° 11’ 16”W	377.90	N 525748.57
C9	796.86	960.00	47.56°	S53° 36’ 58”E	774.18	N 525532.24

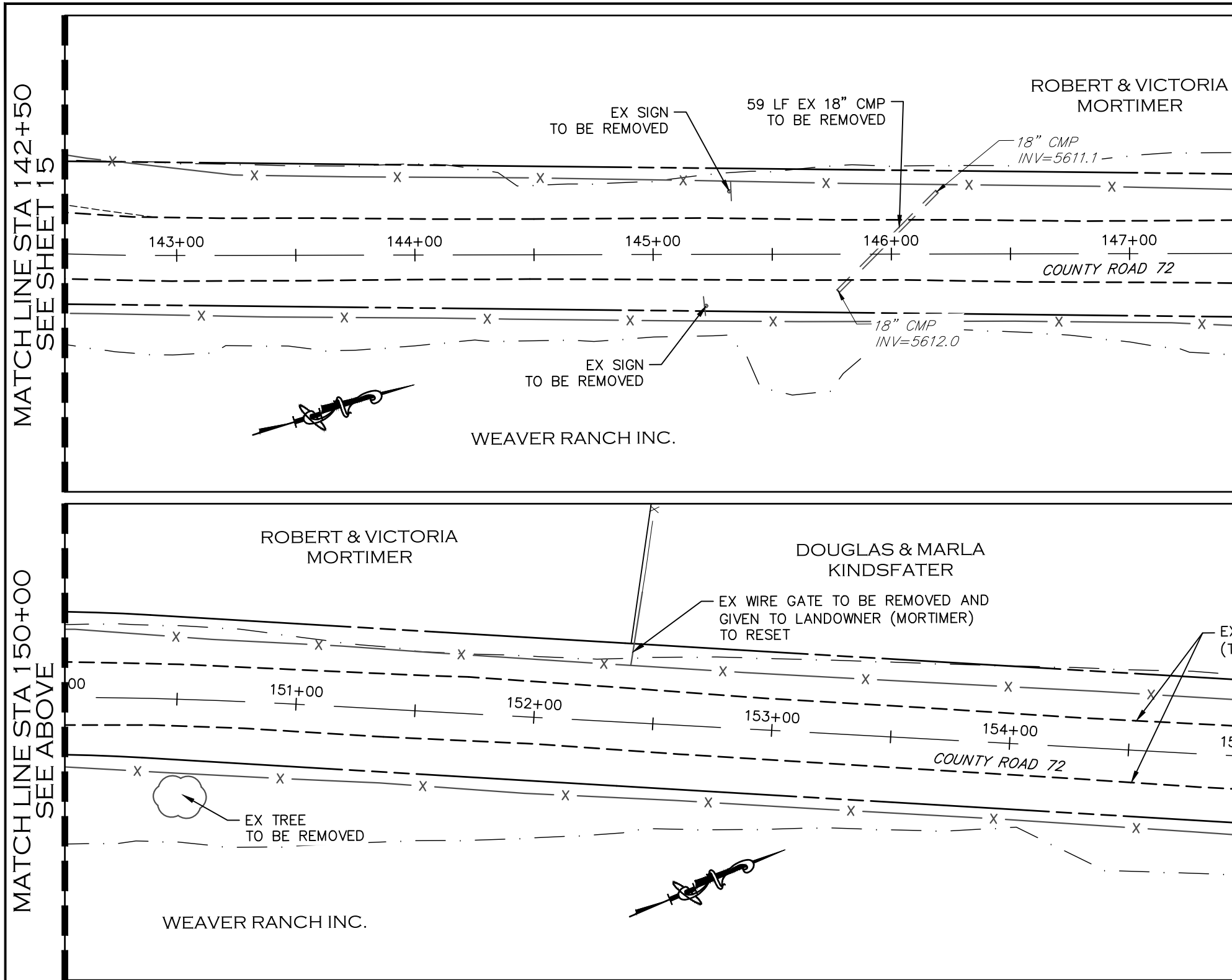

48+00
18" CMP
INV=5743.5
EX SIGN TO BE
REMOVED
SAWCUT
LINE
68 LF EX 18" CMP
TO BE REMOVED
1622 SY EX ASPHALT
TO BE REMOVED
SEE NOTE 6
EX MAILBOX
TO BE RESET
OWL CANYON ROAD
US HIGHWAY 287
49+00
18" CMP
INV=5740.7
EX SIGN TO BE
REMOVED
PRIVATE DRIVE
THOMAS & KAREN PEDEN
5118 W COUNTY ROAD 72
PROPOSED CATCHLINE
(TYP)
EX ROAD BASE
TO BE REMOVED
SEE SIGNING & STRIPING PLAN
FOR LIMITS OF EX STRIPE
REMOVAL ALONG HWY 287
EX SIGN TO
BE REMOVED
100+00
101+00
102+00
103+00
104+00
50+00
CDOT
RIGHT-OF-WAY
EX TREES TO BE
REMOVED
EX TREES TO BE
REMOVED
EX SIGN TO BE REMOVED
COUNTY RIGHT-OF-WAY
PROPOSED CATCHLINE
(TYP)
STEVEN & PATTI
STOUT
OHE
FO

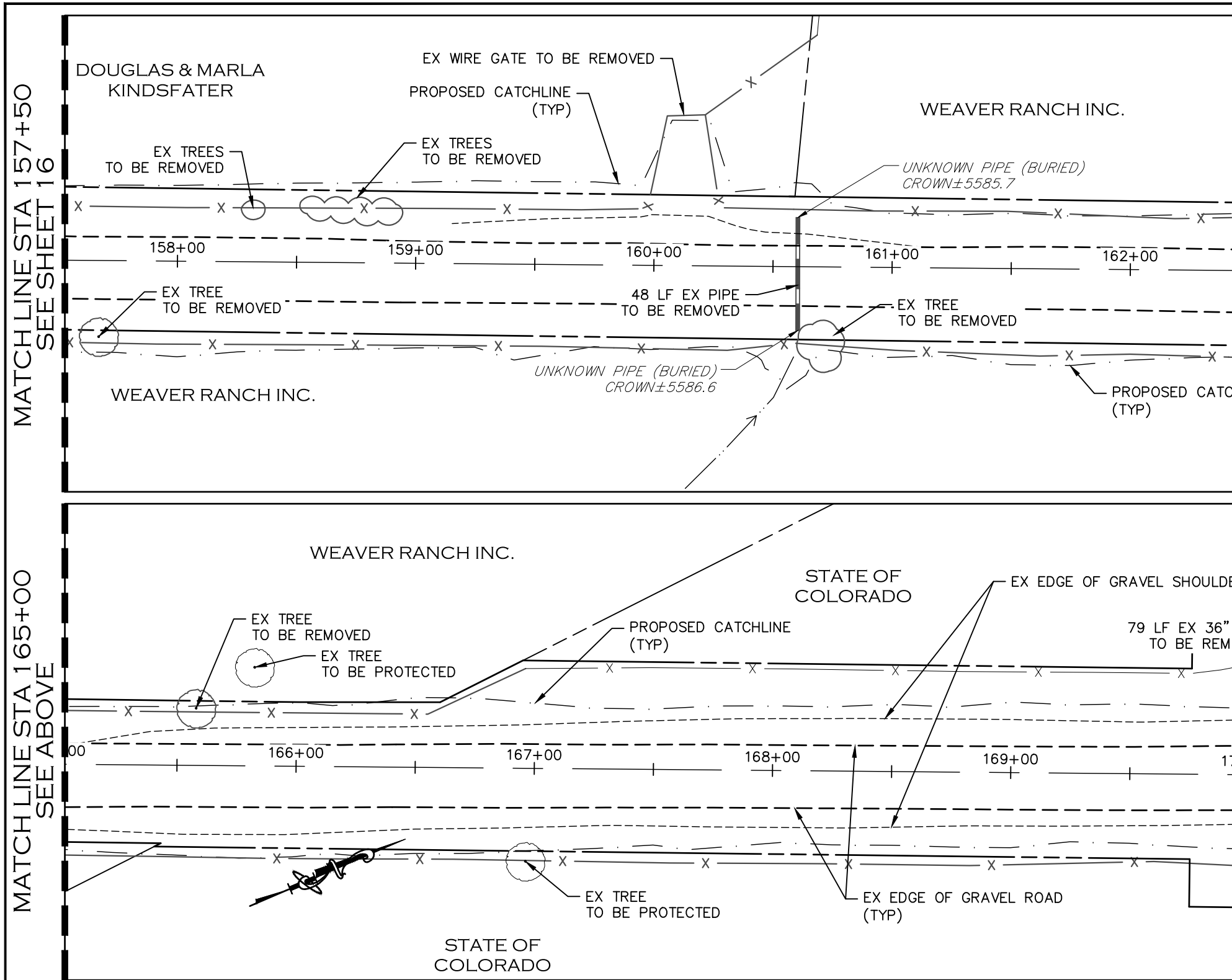


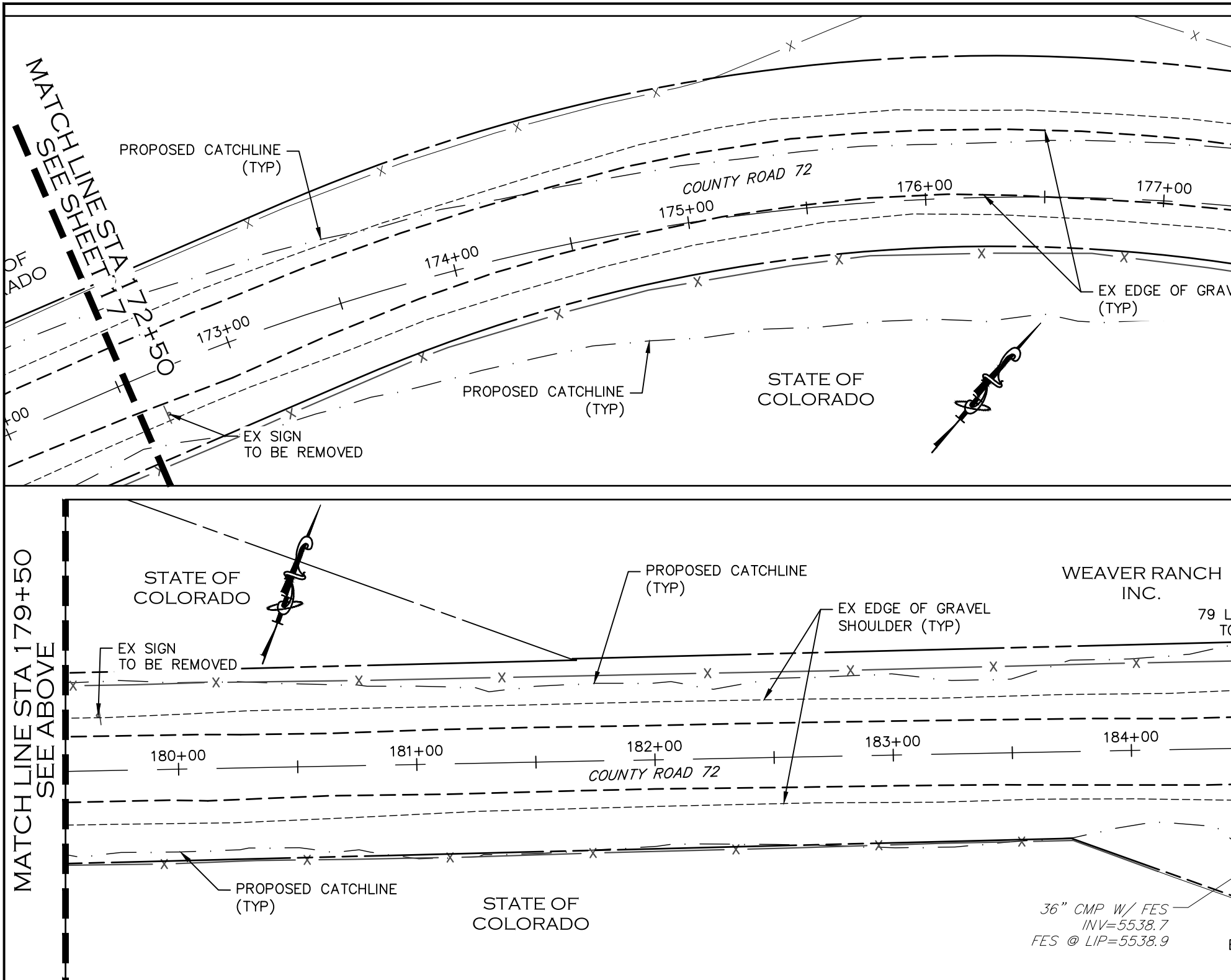
REMOVAL NOTES

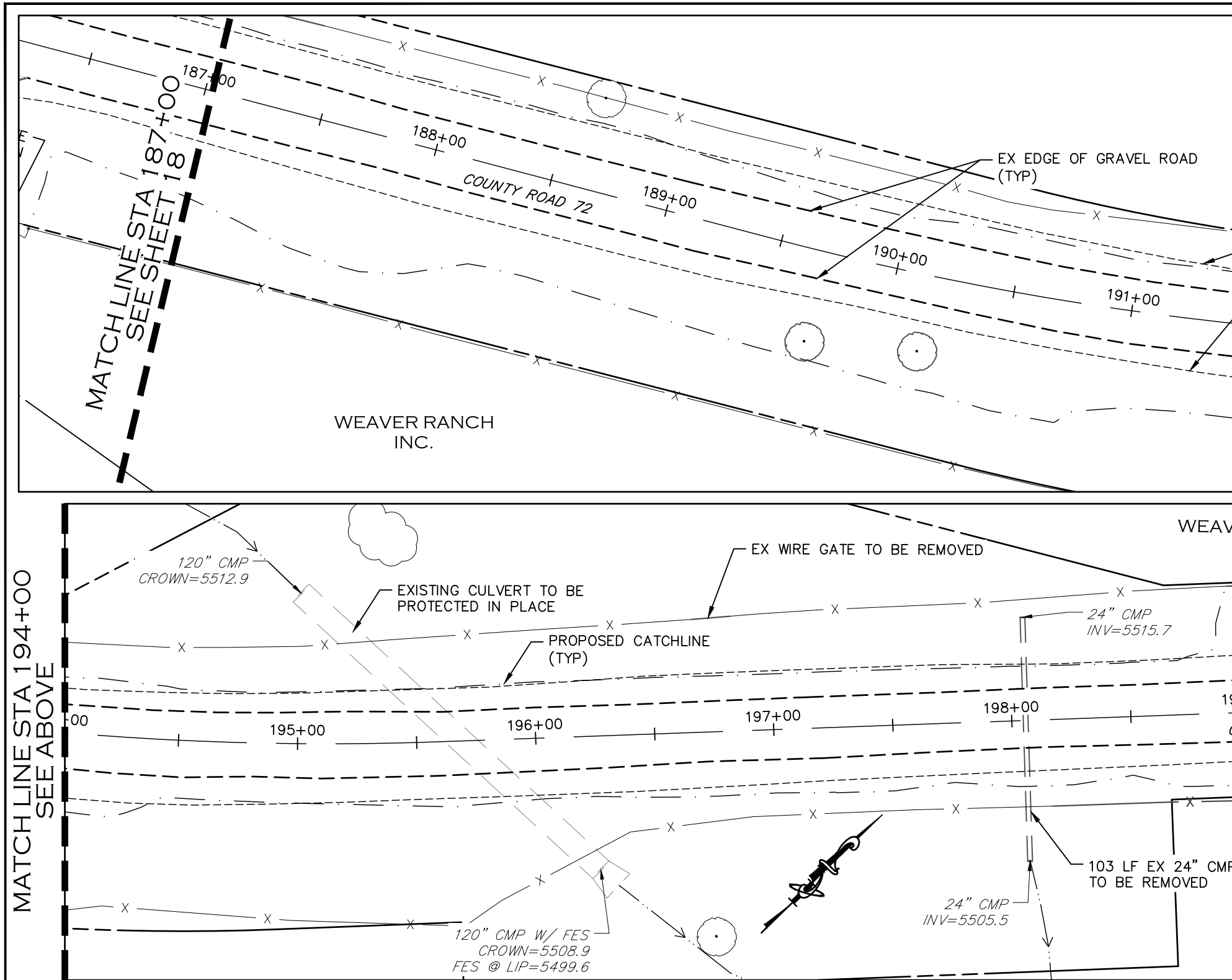

MATCH LINE STA 114+50
SEE SHEET 12
HERBERT
SWARTZ
EX EDGE OF
GRAVEL SHOULDER
EX UTILITY TO BE
RELOCATED
(BY OTHERS)
PROPOSED CATCHLINE
(TYP)
EX EDGE OF GRAVEL ROAD
(TYP)
COUNTY ROAD 72
118+00
119+00
117+00
116+00
EX SIGN
TO BE REMOVED
EX WIRE GATE
TO BE REMOVED
HERBERT
SWARTZ
PROPOSED CATCHLINE
(TYP)
115+00
70 LF EX 15" CMP
TO BE REMOVED
15" CMP
INV=5709.6
HERBERT
SWARTZ
MATCH LINE STA 121+50
SEE ABOVE
EX SIGN
TO BE REMOVED
STEVE & CYNTHIA
MONELL
24" CMP
INV=5688.3
122+00
123+00
124+00
125+00
126+00
COUNTY ROAD 72
55 LF EX 24" CMP
TO BE REMOVED
24" CMP
INV=5687.2
WEAVER RANCH INC.

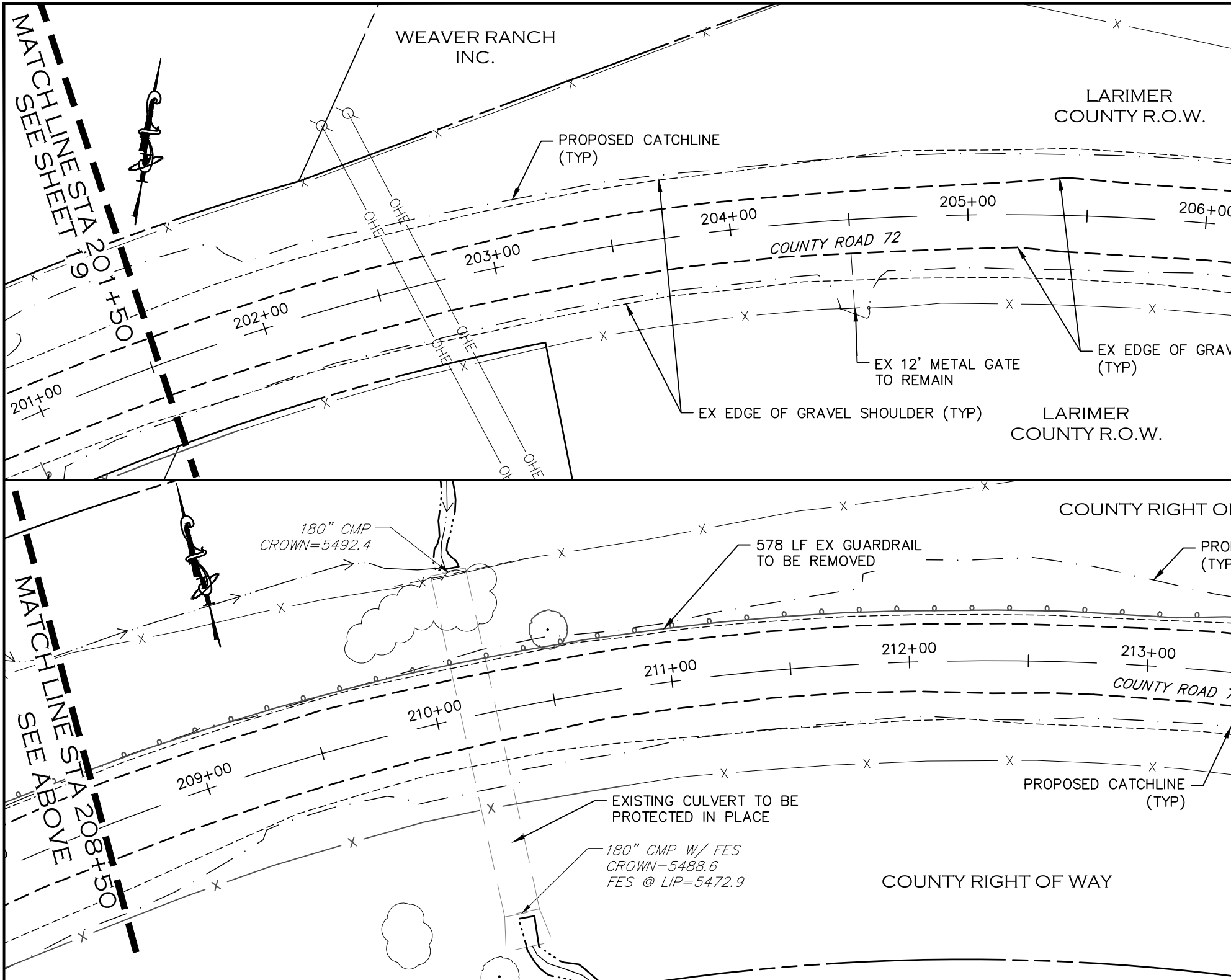

MATCH LINE STA 128+50
SEE SHEET 14
28+00
OHE
OHE
129+00
130+00
131+00
132+00
133+00
COUNTY ROAD 72
GUN CLUB ACCESS ROAD
STEVE & CYNTHIA MONELL
PROPOSED CATCHLINE (TYP)
"NORTHERN COLORADO ROD AND GUN CLUB" SIGN PROTECT IN PLACE
WEAVER RANCH INC.
PROPOSED CATCHLINE (TYP)
EX EDGE (TYP)
MATCH LINE STA 135+50
SEE ABOVE
135+00
136+00
137+00
138+00
139+00
140+00
STEVE & CYNTHIA MONELL
EX EDGE OF GRAVEL SHOULDER
PROPOSED CATCHLINE (TYP)
EX 8' METAL MAN GATE TO BE REMOVED
WEAVER RANCH INC.

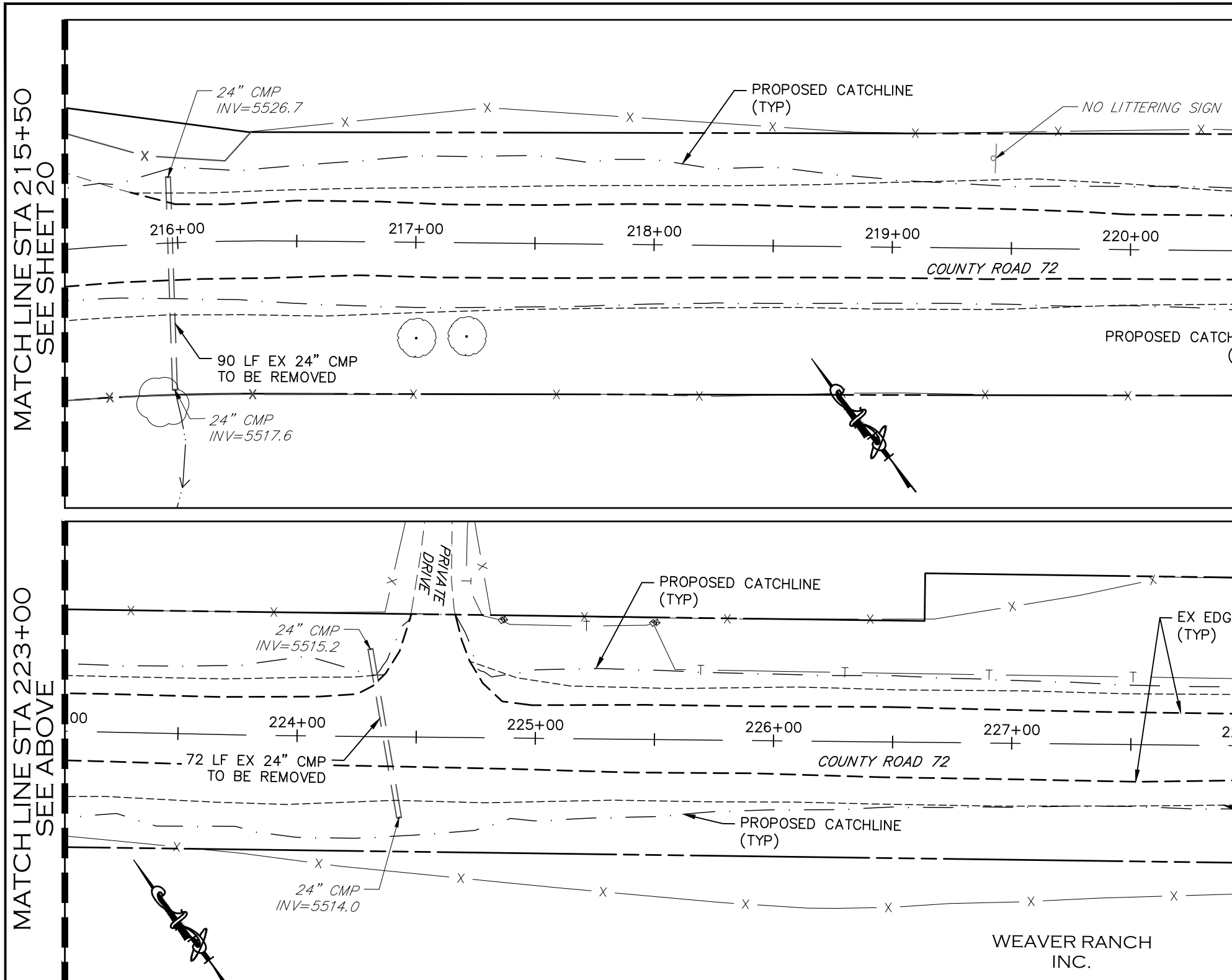

MATCH LINE STA 142+50
SEE SHEET 15
ROBERT & VICTORIA
MORTIMER
EX SIGN
TO BE REMOVED
59 LF EX 18" CMP
TO BE REMOVED
18" CMP
INV=5611.1
143+00
144+00
145+00
146+00
147+00
COUNTY ROAD 72
18" CMP
INV=5612.0
EX SIGN
TO BE REMOVED
WEAVER RANCH INC.
MATCH LINE STA 150+00
SEE ABOVE
ROBERT & VICTORIA
MORTIMER
DOUGLAS & MARLA
KINDSFATER
EX WIRE GATE TO BE REMOVED AND
GIVEN TO LANDOWNER (MORTIMER)
TO RESET
151+00
152+00
153+00
154+00
COUNTY ROAD 72
EX TREE
TO BE REMOVED
WEAVER RANCH INC.

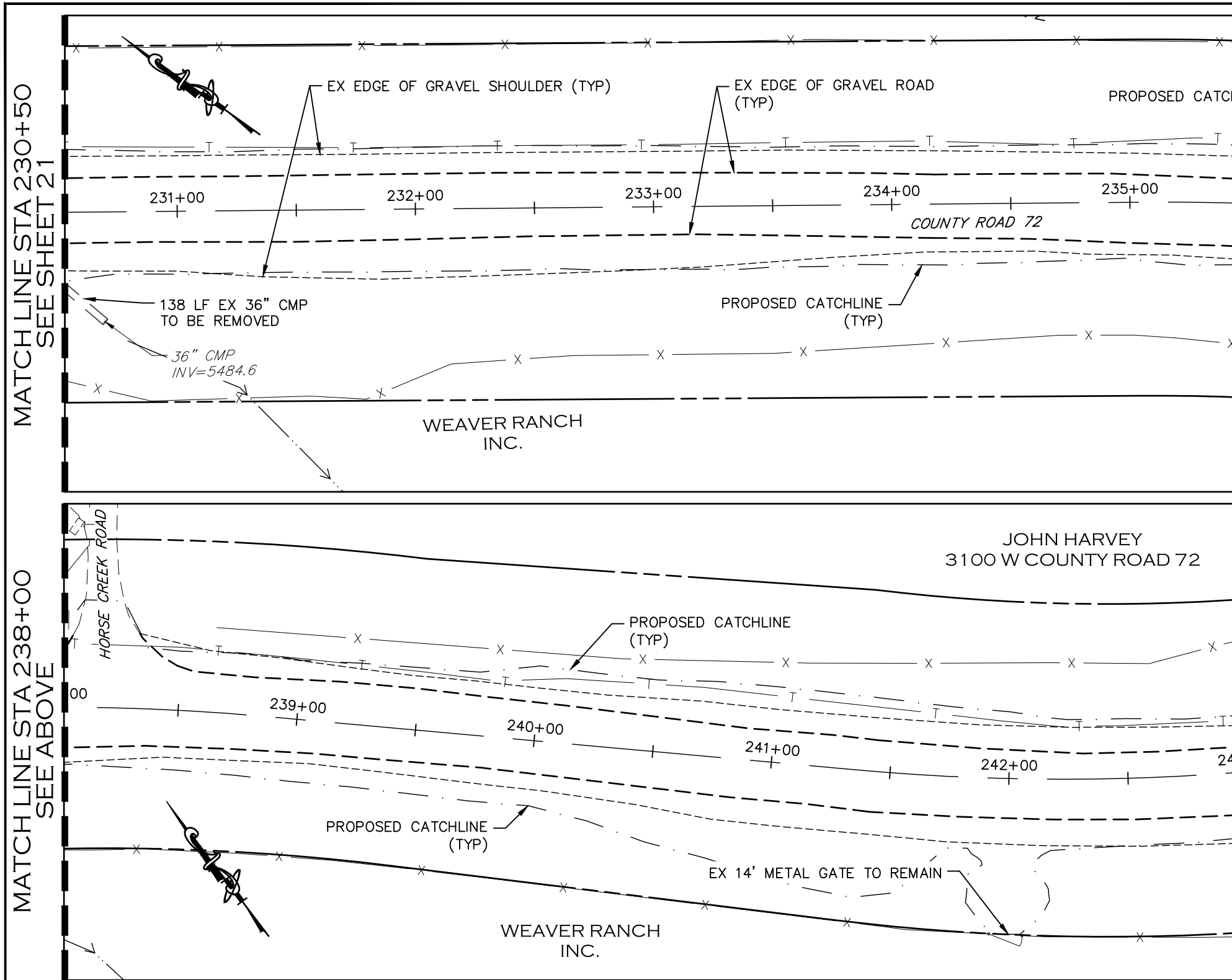

MATCH LINE STA 157+50
SEE SHEET 16
DOUGLAS & MARLA
KINDSFATER
EX WIRE GATE TO BE REMOVED
PROPOSED CATCHLINE
(TYP)
WEAVER RANCH INC.
EX TREES
TO BE REMOVED
EX TREES
TO BE REMOVED
UNKNOWN PIPE (BURIED)
CROWN±5585.7
158+00
159+00
160+00
161+00
162+00
EX TREE
TO BE REMOVED
48 LF EX PIPE
TO BE REMOVED
EX TREE
TO BE REMOVED
UNKNOWN PIPE (BURIED)
CROWN±5586.6
WEAVER RANCH INC.
PROPOSED CATC
(TYP)
MATCH LINE STA 165+00
SEE ABOVE
WEAVER RANCH INC.
STATE OF
COLORADO
EX EDGE OF GRAVEL SHOULDE
EX TREE
TO BE REMOVED
EX TREE
TO BE PROTECTED
PROPOSED CATCHLINE
(TYP)
79 LF EX 36"
TO BE REM
166+00
167+00
168+00
169+00
EX TREE
TO BE PROTECTED
EX EDGE OF GRAVEL ROAD
(TYP)
STATE OF
COLORADO

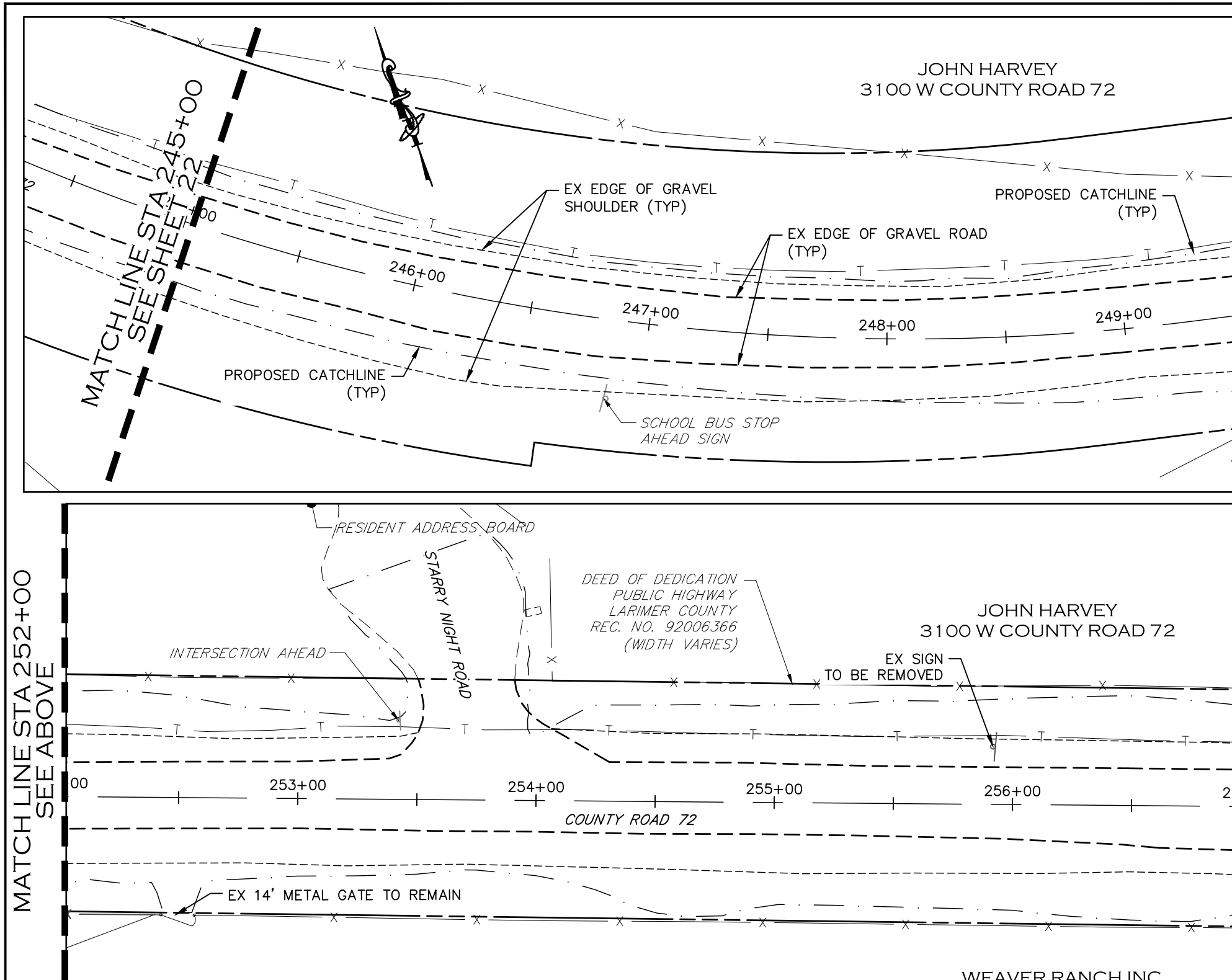

MATCHLINE STA 172+50
SEE SHEET 17
PROPOSED CATCHLINE
(TYP)
COUNTY ROAD 72
174+00
175+00
176+00
177+00
173+00
EX EDGE OF GRAV
(TYP)
PROPOSED CATCHLINE
(TYP)
STATE OF
COLORADO
EX SIGN
TO BE REMOVED
MATCHLINE STA 179+50
SEE ABOVE
STATE OF
COLORADO
PROPOSED CATCHLINE
(TYP)
WEAVER RANCH
INC.
EX EDGE OF GRAVEL
SHOULDER (TYP)
EX SIGN
TO BE REMOVED
180+00
181+00
182+00
183+00
184+00
COUNTY ROAD 72
PROPOSED CATCHLINE
(TYP)
STATE OF
COLORADO
36" CMP W/ FES
INV=5538.7
FES @ LIP=5538.9

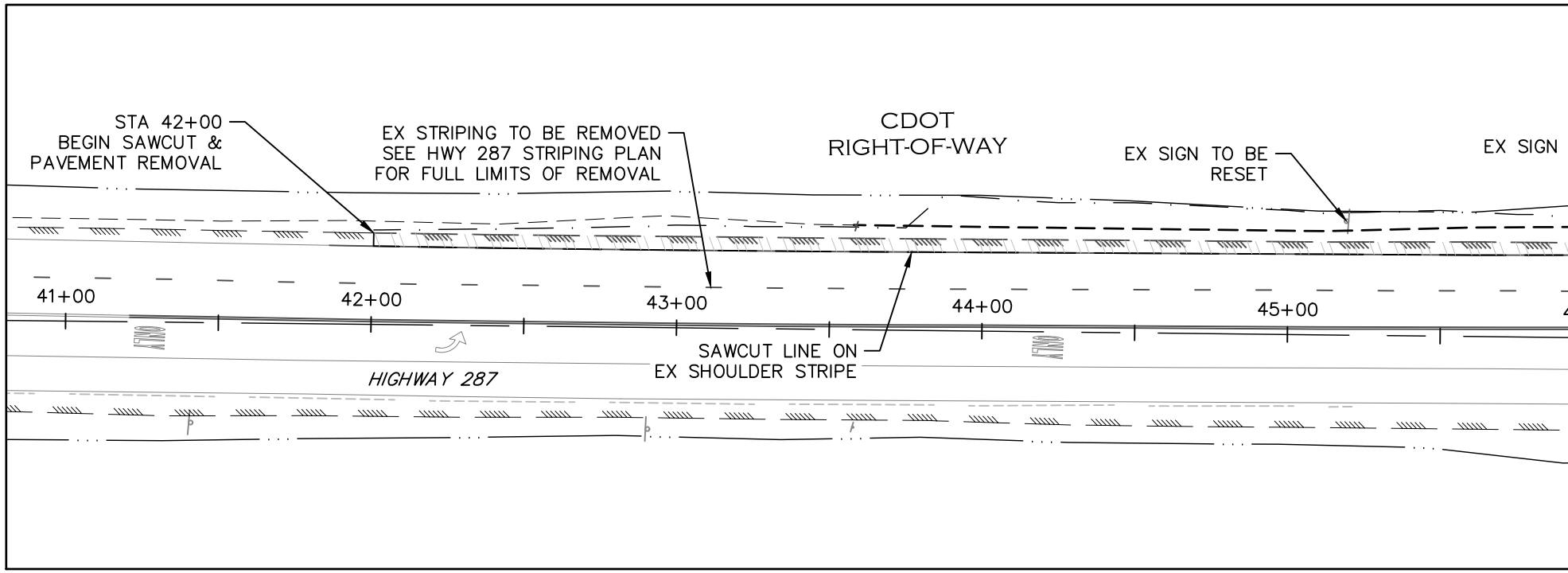

187+00
188+00
189+00
190+00
191+00
COUNTY ROAD 72
EX EDGE OF GRAVEL ROAD
(TYP)
MATCH LINE STA 187+00
SEE SHEET 188
WEAVER RANCH
INC.
WEAV
120" CMP
CROWN=5512.9
EXISTING CULVERT TO BE
PROTECTED IN PLACE
EX WIRE GATE TO BE REMOVED
24" CMP
INV=5515.7
PROPOSED CATCHLINE
(TYP)
MATCH LINE STA 194+00
SEE ABOVE
195+00
196+00
197+00
198+00
103 LF EX 24" CMP
TO BE REMOVED
24" CMP
INV=5505.5
120" CMP W/ FES
CROWN=5508.9
FES @ LIP=5499.6

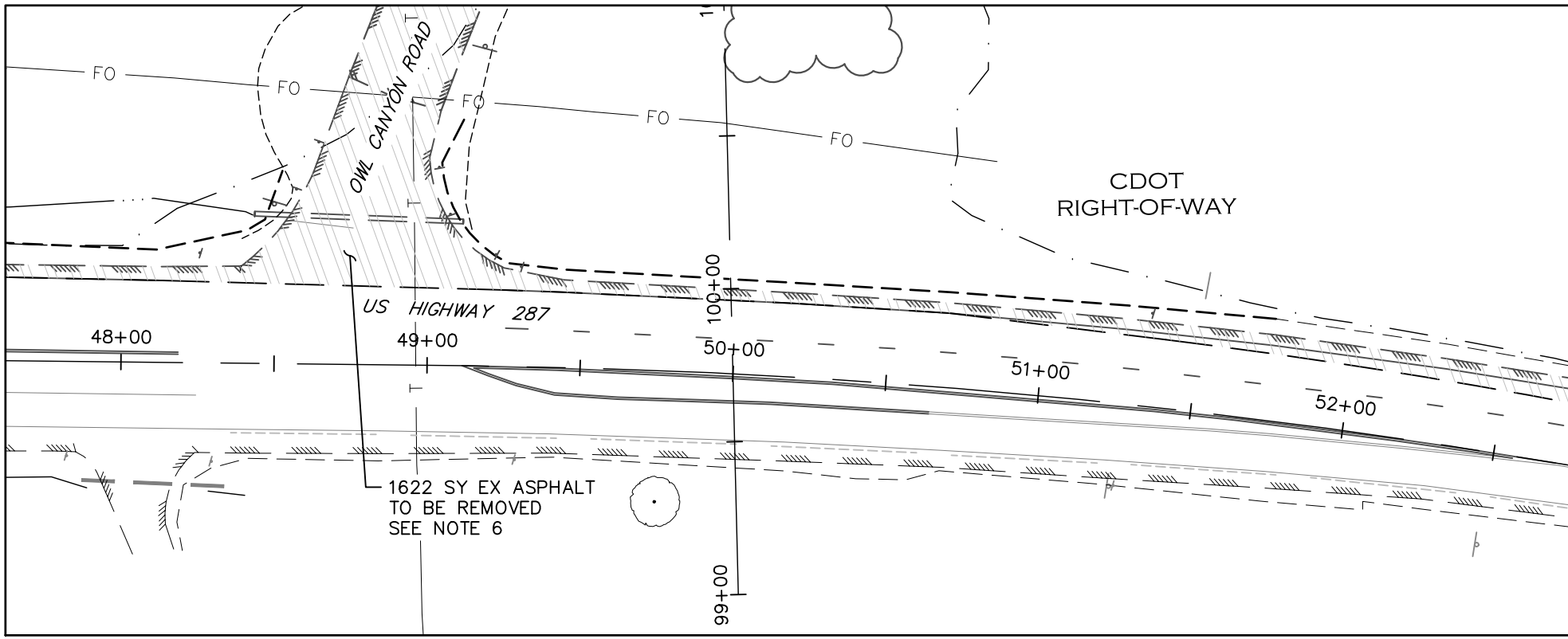

WEAVER RANCH
INC.
LARIMER
COUNTY R.O.W.
MATCH LINE STA 201+50
SEE SHEET 19
PROPOSED CATCHLINE
(TYP)
OHE
201+00
202+00
203+00
204+00
205+00
206+00
COUNTY ROAD 72
EX 12' METAL GATE
TO REMAIN
EX EDGE OF GRAV
(TYP)
EX EDGE OF GRAVEL SHOULDER (TYP)
LARIMER
COUNTY R.O.W.
180" CMP
CROWN=5492.4
578 LF EX GUARDRAIL
TO BE REMOVED
COUNTY RIGHT O
PRO
(TYP
MATCH LINE STA 208+50
SEE ABOVE
209+00
210+00
211+00
212+00
213+00
COUNTY ROAD
PROPOSED CATCHLINE
(TYP)
EXISTING CULVERT TO BE
PROTECTED IN PLACE
180" CMP W/ FES
CROWN=5488.6
FES @ LIP=5472.9
COUNTY RIGHT OF WAY

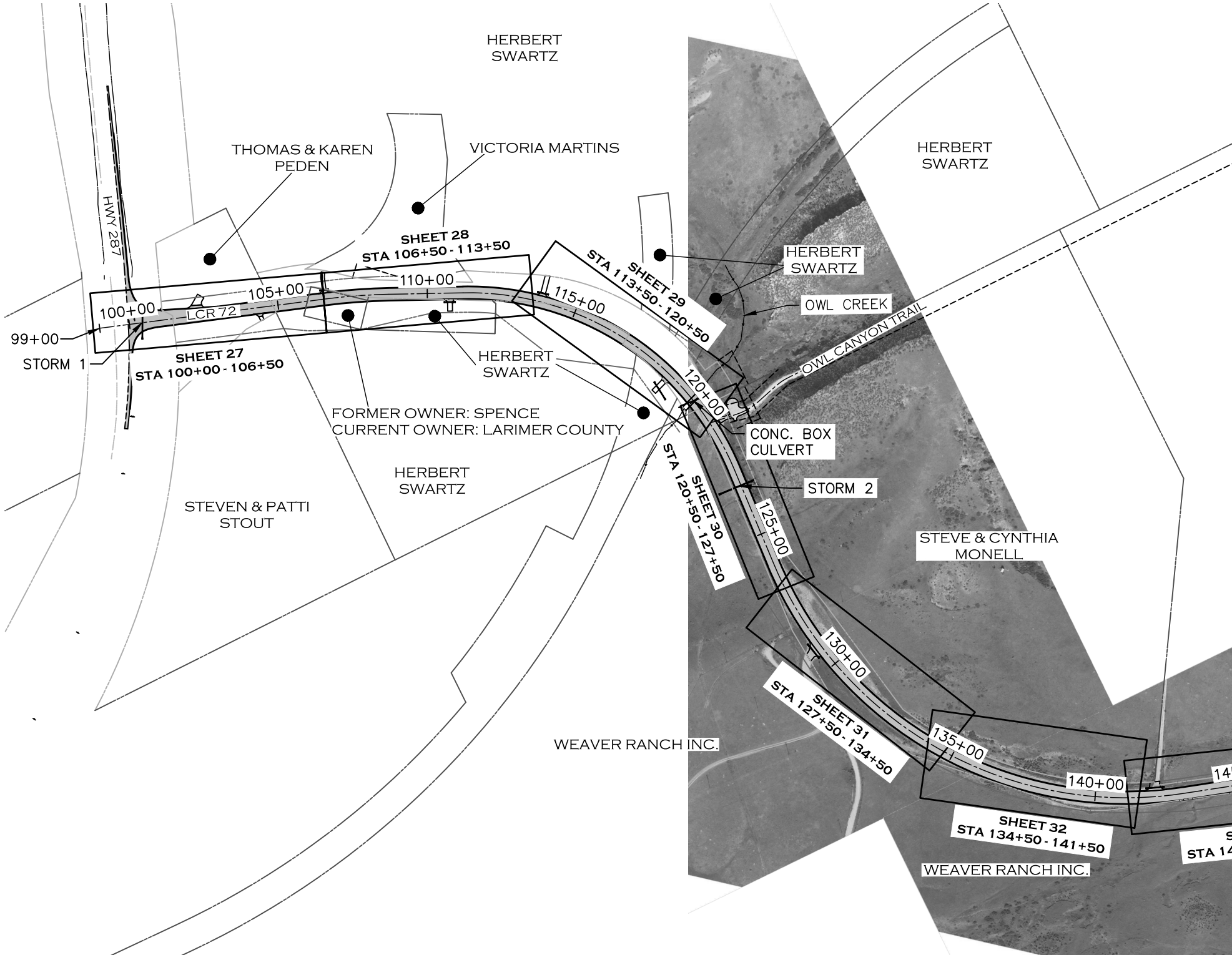

MATCH LINE STA 215+50
SEE SHEET 20
24" CMP
INV=5526.7
PROPOSED CATCHLINE
(TYP)
NO LITTERING SIGN
216+00
217+00
218+00
219+00
220+00
COUNTY ROAD 72
90 LF EX 24" CMP
TO BE REMOVED
24" CMP
INV=5517.6
PROPOSED CATCH
MATCH LINE STA 223+00
SEE ABOVE
PRIVATE
DRIVE
PROPOSED CATCHLINE
(TYP)
24" CMP
INV=5515.2
EX EDG
(TYP)
224+00
225+00
226+00
227+00
COUNTY ROAD 72
72 LF EX 24" CMP
TO BE REMOVED
PROPOSED CATCHLINE
(TYP)
24" CMP
INV=5514.0
WEAVER RANCH
INC.

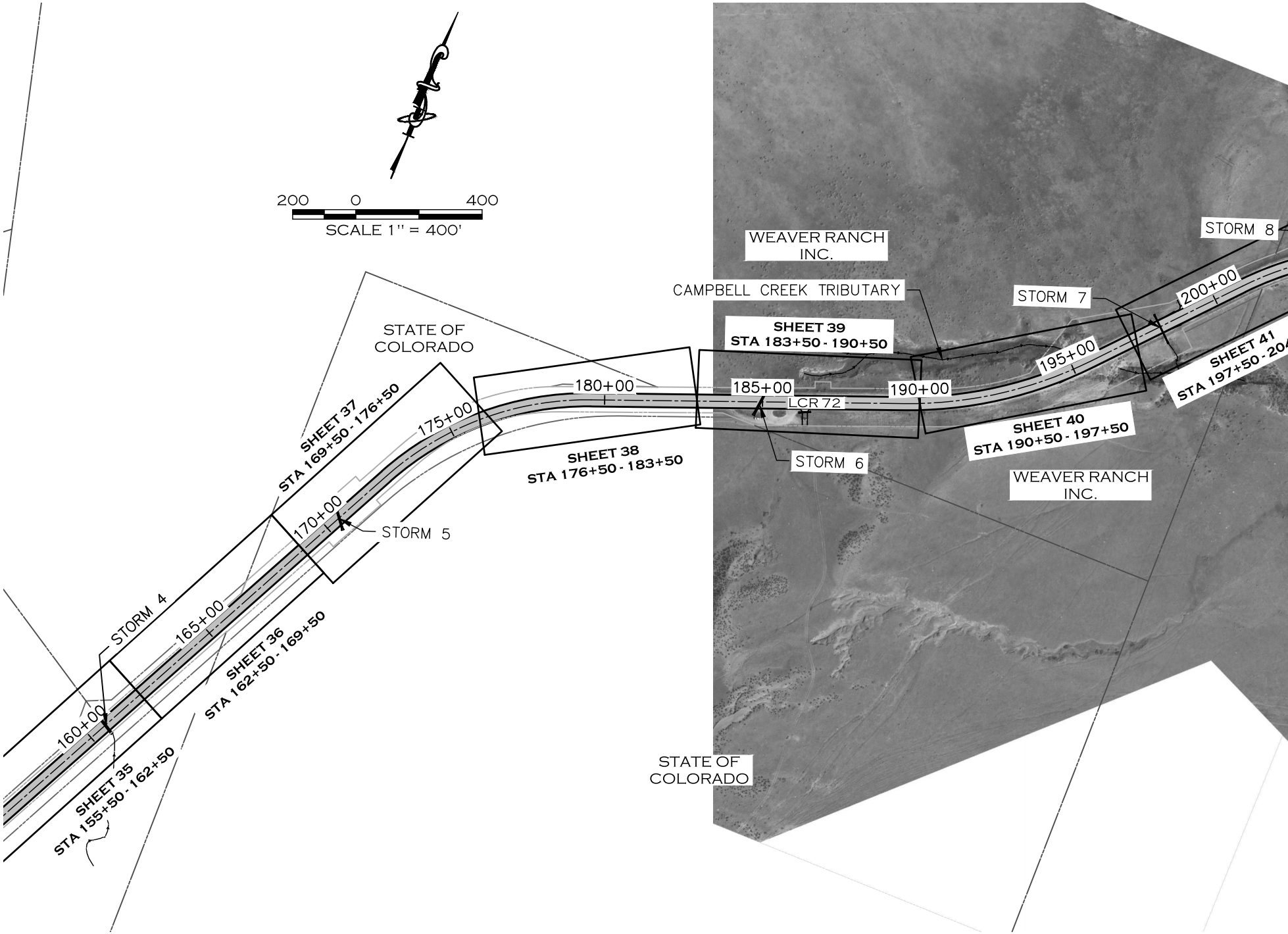

MATCH LINE STA 230+50
SEE SHEET 21
EX EDGE OF GRAVEL SHOULDER (TYP)
EX EDGE OF GRAVEL ROAD
(TYP)
PROPOSED CATCH
231+00
232+00
233+00
234+00
235+00
COUNTY ROAD 72
138 LF EX 36" CMP
TO BE REMOVED
PROPOSED CATCHLINE
(TYP)
36" CMP
INV=5484.6
WEAVER RANCH
INC.
MATCH LINE STA 238+00
SEE ABOVE
HORSE CREEK ROAD
JOHN HARVEY
3100 W COUNTY ROAD 72
PROPOSED CATCHLINE
(TYP)
239+00
240+00
241+00
242+00
PROPOSED CATCHLINE
(TYP)
EX 14' METAL GATE TO REMAIN
WEAVER RANCH
INC.

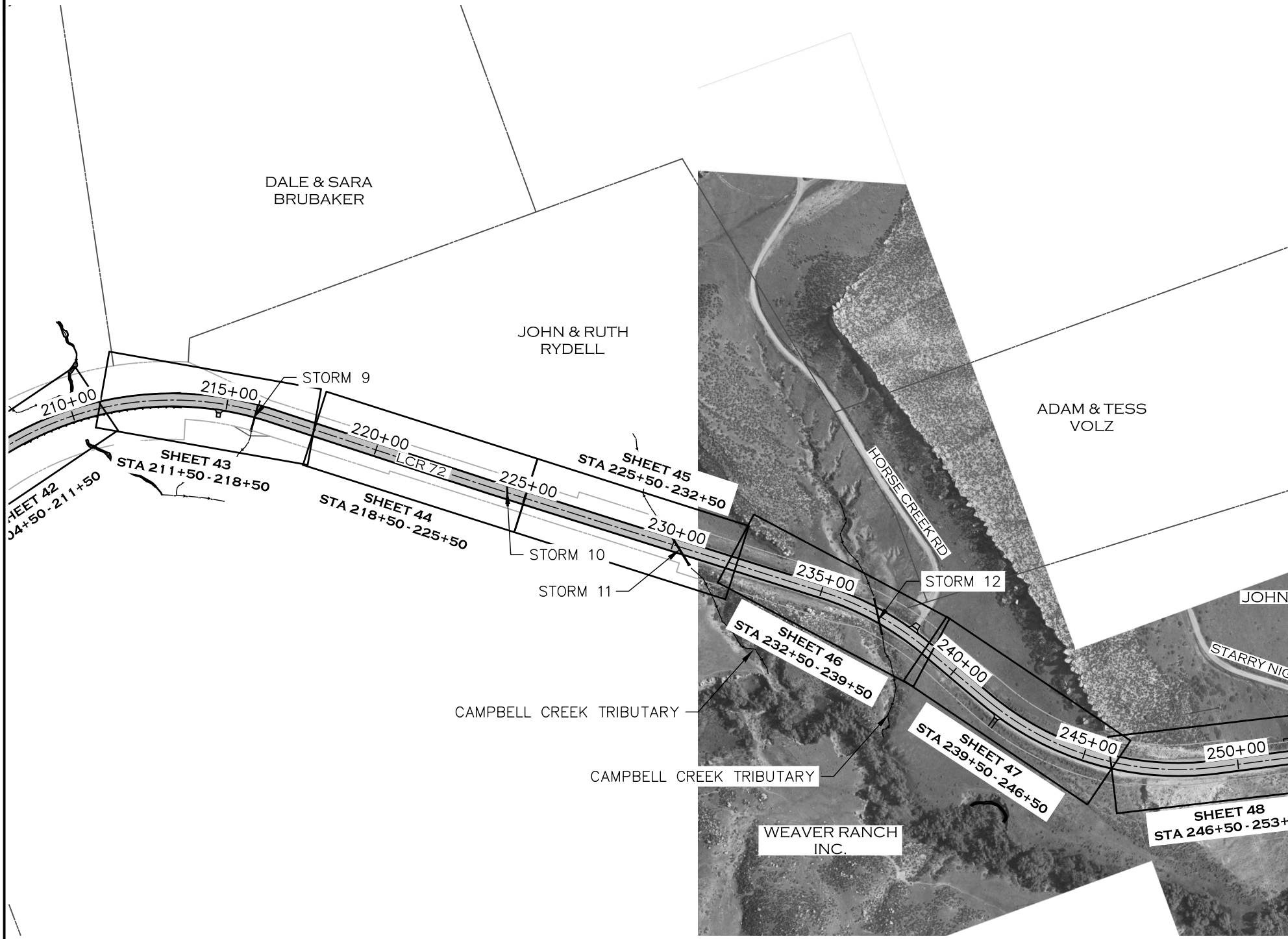

JOHN HARVEY
3100 W COUNTY ROAD 72
MATCH LINE STA 245+00
SEE SHEET 22
245+00
246+00
247+00
248+00
249+00
EX EDGE OF GRAVEL SHOULDER (TYP)
EX EDGE OF GRAVEL ROAD (TYP)
PROPOSED CATCHLINE (TYP)
PROPOSED CATCHLINE (TYP)
SCHOOL BUS STOP AHEAD SIGN
RESIDENT ADDRESS BOARD
STARRY NIGHT ROAD
DEED OF DEDICATION PUBLIC HIGHWAY LARIMER COUNTY REC. NO. 92006366 (WIDTH VARIES)
JOHN HARVEY
3100 W COUNTY ROAD 72
INTERSECTION AHEAD
EX SIGN TO BE REMOVED
MATCH LINE STA 252+00
SEE ABOVE
253+00
254+00
255+00
256+00
COUNTY ROAD 72
EX 14' METAL GATE TO REMAIN
WEAVER RANCH INC

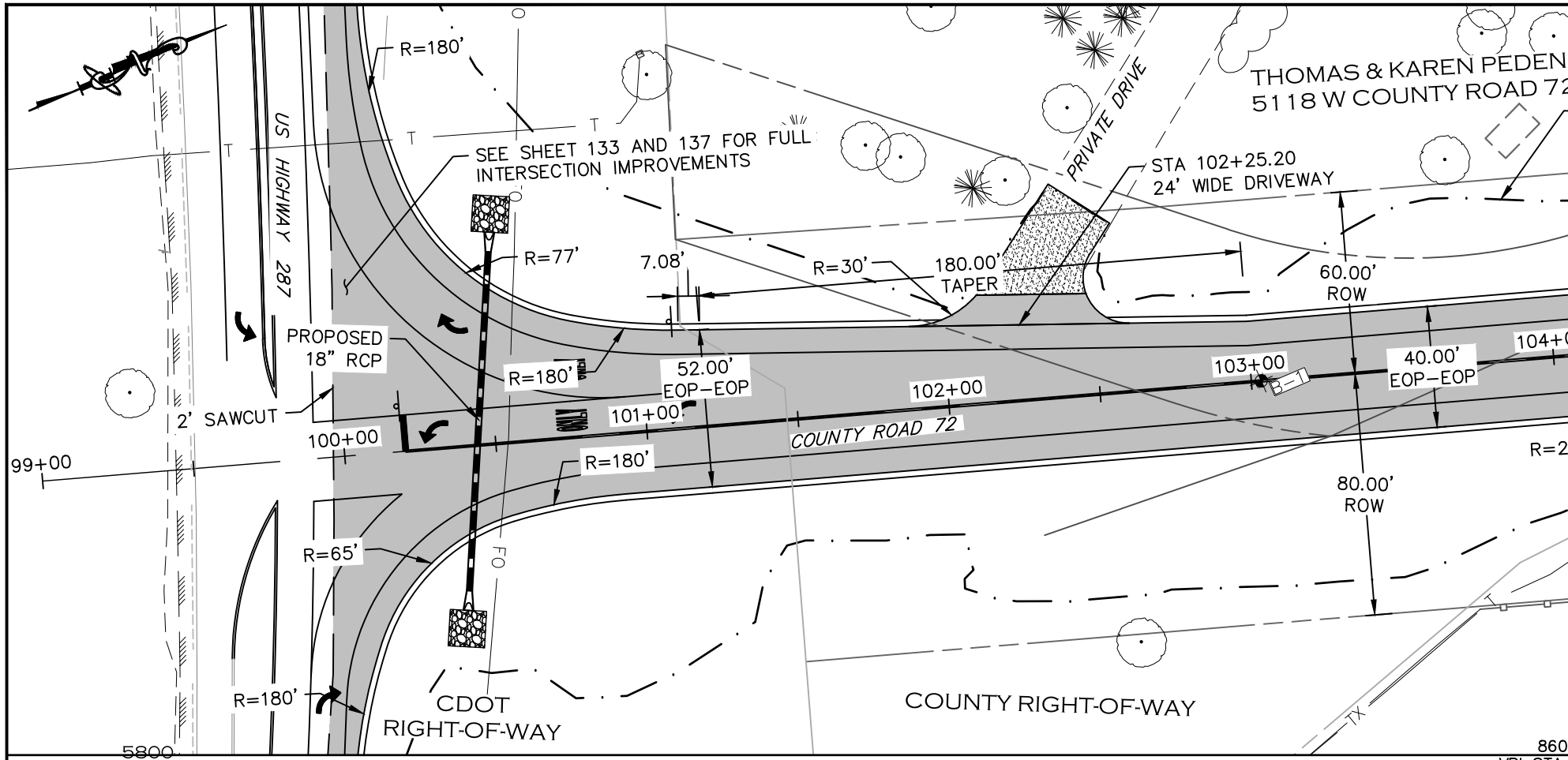

STA 42+00
BEGIN SAWCUT &
PAVEMENT REMOVAL
EX STRIPING TO BE REMOVED
SEE HWY 287 STRIPING PLAN
FOR FULL LIMITS OF REMOVAL
CDOT
RIGHT-OF-WAY
EX SIGN TO BE
RESET
EX SIGN
41+00
42+00
43+00
44+00
45+00
ASPHALT
CURB
HIGHWAY 287
SAWCUT LINE ON
EX SHOULDER STRIPE

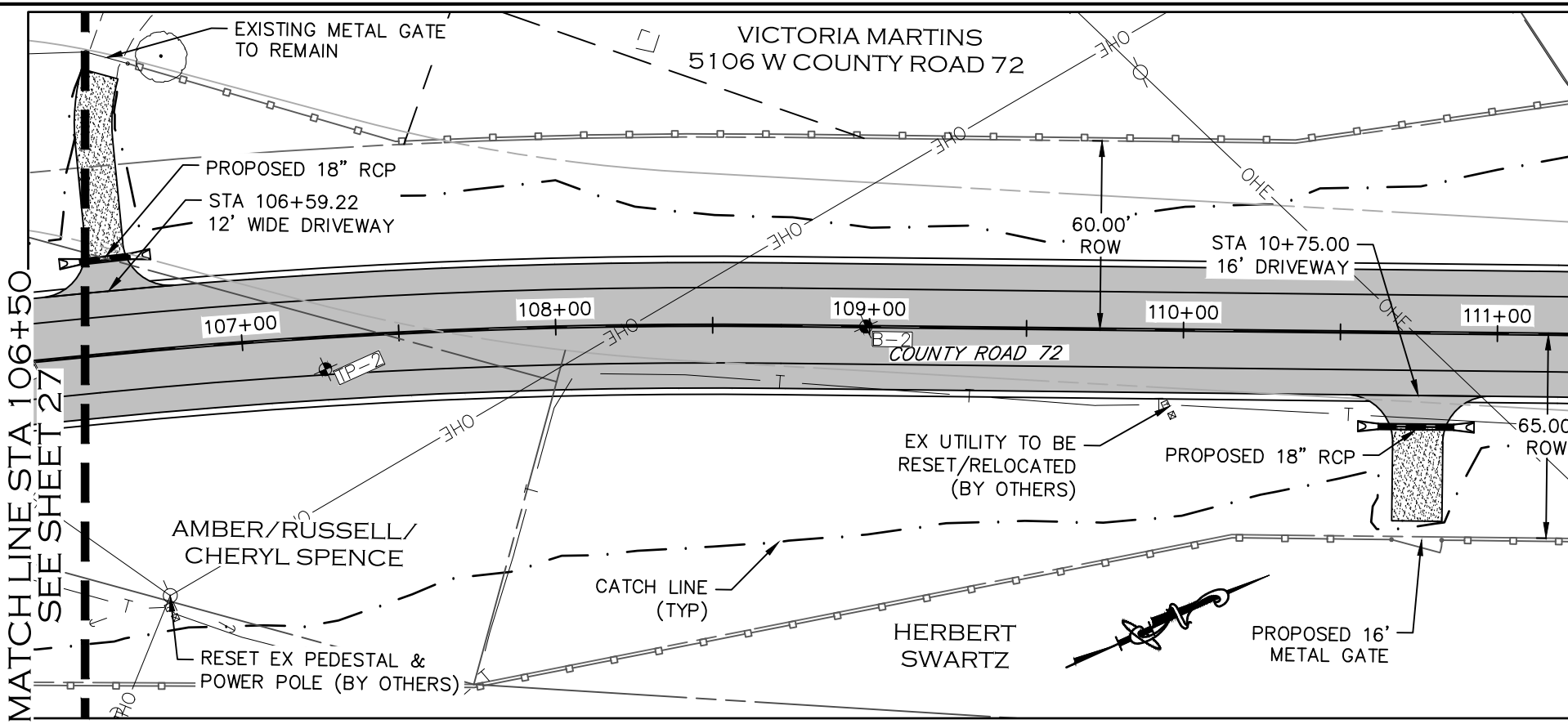

FO
OWL CANYON ROAD
CDOT
RIGHT-OF-WAY
US HIGHWAY 287
48+00
49+00
50+00
51+00
52+00
100+00
99+00
1622 SY EX ASPHALT
TO BE REMOVED
SEE NOTE 6

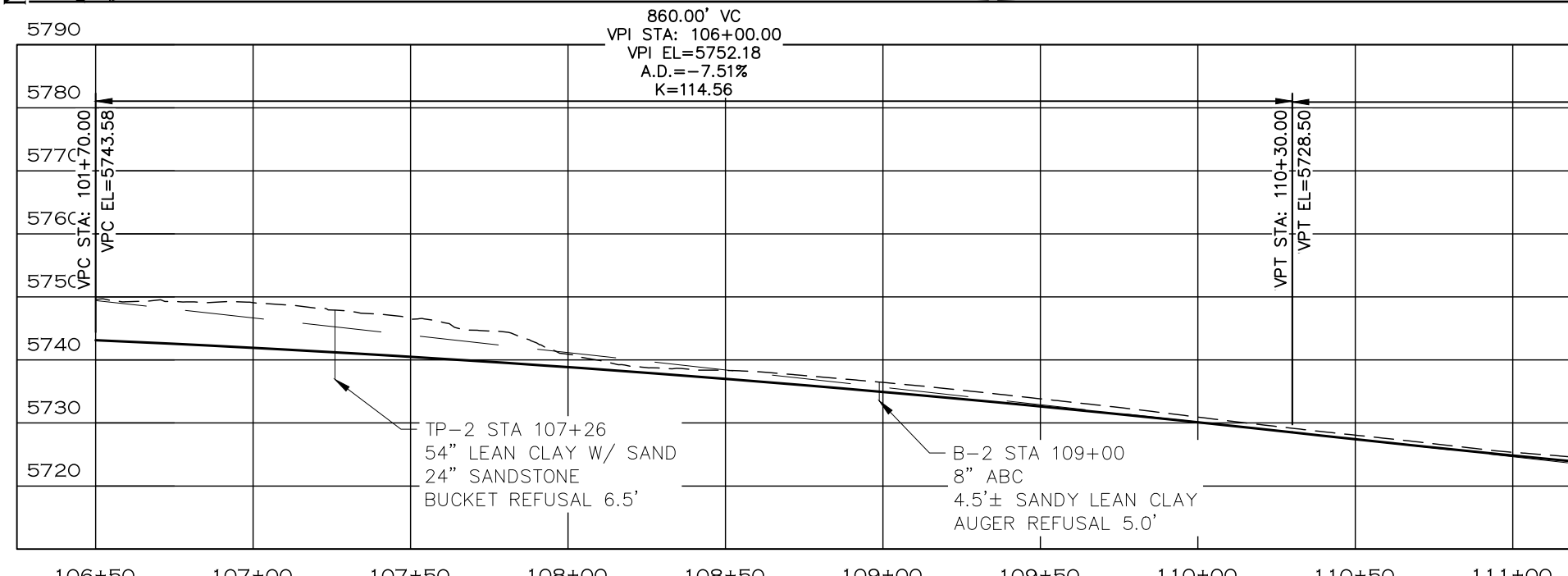

HERBERT
SWARTZ
THOMAS & KAREN
PEDEN
VICTORIA MARTINS
HWY 287
SHEET 28
STA 106+50 - 113+50
110+00
105+00
100+00
LCR 72
99+00
STORM 1
SHEET 27
STA 100+00 - 106+50
HERBERT
SWARTZ
FORMER OWNER: SPENCE
CURRENT OWNER: LARIMER COUNTY
HERBERT
SWARTZ
STEVEN & PATTI
STOUT
SHEET 29
STA 113+50 - 120+50
115+00
120+00
HERBERT
SWARTZ
OWL CREEK
OWL CANYON TRAIL
CONC. BOX
CULVERT
STORM 2
SHEET 30
STA 120+50 - 127+50
125+00
HERBERT
SWARTZ
STEVE & CYNTHIA
MONELL
130+00
SHEET 31
STA 127+50 - 134+50
WEAVER RANCH INC.
135+00
140+00
SHEET 32
STA 134+50 - 141+50
WEAVER RANCH INC.

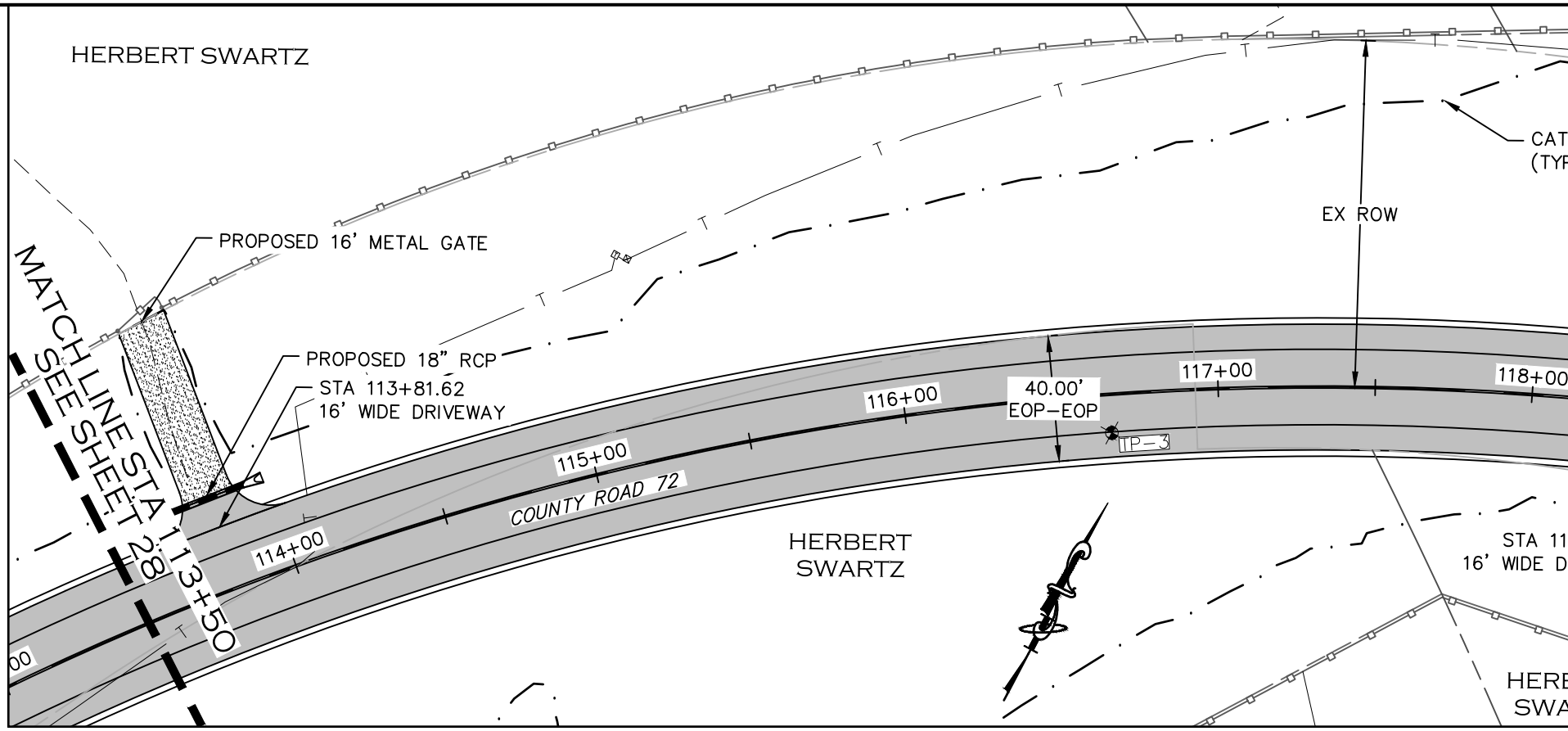

200 0 400
SCALE 1" = 400'
WEAVER RANCH INC.
CAMPBELL CREEK TRIBUTARY
STORM 8
STORM 7
200+00
STATE OF COLORADO
SHEET 39
STA 183+50 - 190+50
195+00
SHEET 41
STA 197+50 - 204
SHEET 37
STA 169+50 - 176+50
180+00
185+00
190+00
LCR 72
175+00
SHEET 38
STA 176+50 - 183+50
SHEET 40
STA 190+50 - 197+50
STORM 6
WEAVER RANCH INC.
170+00
STORM 5
STORM 4
165+00
SHEET 36
STA 162+50 - 169+50
160+00
SHEET 35
STA 155+50 - 162+50
STATE OF COLORADO

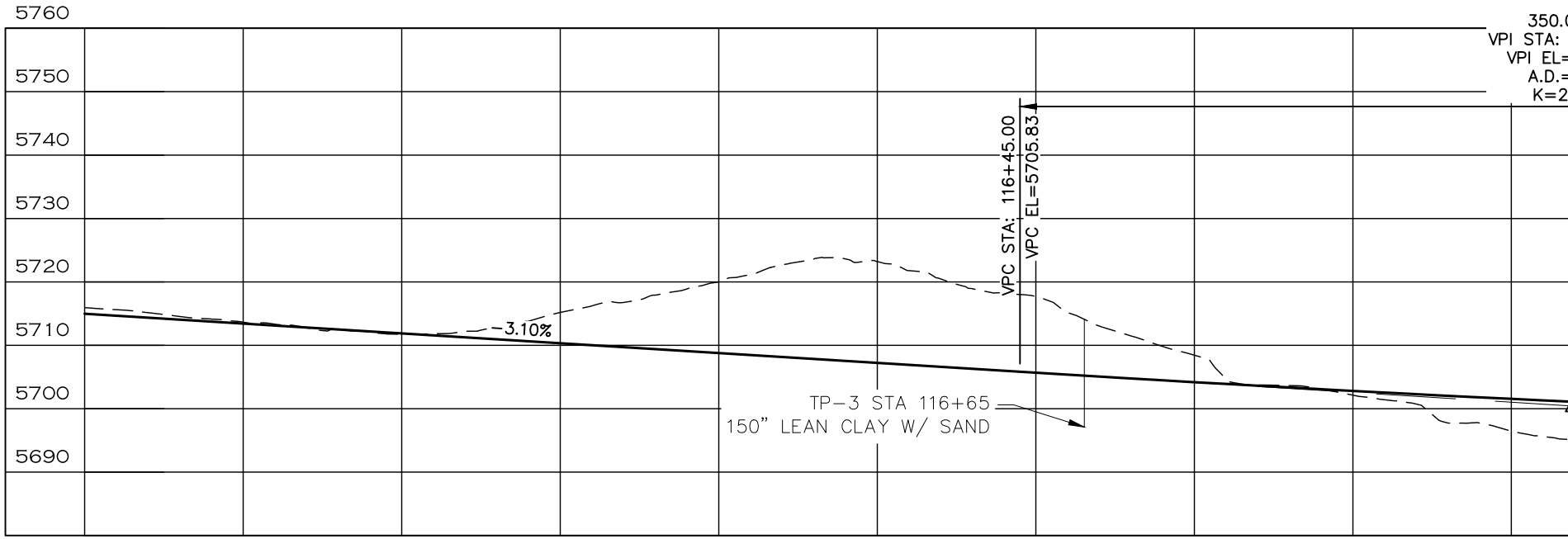

DALE & SARA
BRUBAKER
JOHN & RUTH
RYDELL
ADAM & TESS
VOLZ
WEAVER RANCH
INC.
HORSE CREEK RD
LCR 72
STORM 9
STORM 10
STORM 11
STORM 12
210+00
215+00
220+00
225+00
230+00
235+00
240+00
245+00
250+00
SHEET 42
STA 204+50 - 211+50
SHEET 43
STA 211+50 - 218+50
SHEET 44
STA 218+50 - 225+50
SHEET 45
STA 225+50 - 232+50
SHEET 46
STA 232+50 - 239+50
SHEET 47
STA 239+50 - 246+50
SHEET 48
STA 246+50 - 253+
CAMPBELL CREEK TRIBUTARY
CAMPBELL CREEK TRIBUTARY
JOHN
STARRY NIG

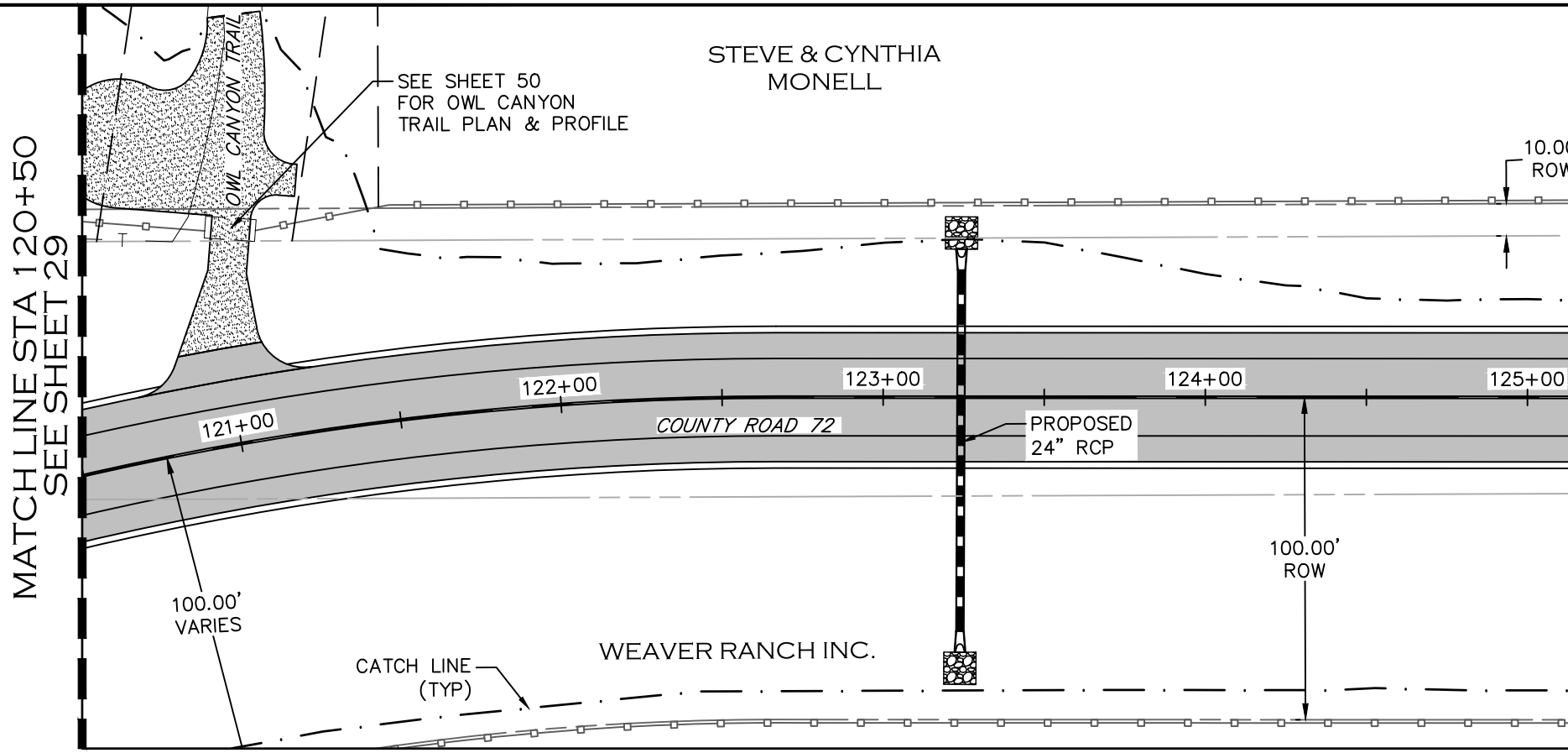

US HIGHWAY 287
R=180'
SEE SHEET 133 AND 137 FOR FULL INTERSECTION IMPROVEMENTS
PRIVATE DRIVE
THOMAS & KAREN PEDEN
5118 W COUNTY ROAD 72
STA 102+25.20
24' WIDE DRIVEWAY
R=77'
7.08'
R=30'
180.00' TAPER
60.00' ROW
PROPOSED 18" RCP
R=180'
52.00' EOP–EOP
103+00
40.00' EOP–EOP
2' SAWCUT
100+00
101+00
102+00
COUNTY ROAD 72
99+00
R=180'
80.00' ROW
R=65'
FO
R=180'
CDOT RIGHT-OF-WAY
COUNTY RIGHT-OF-WAY
TX
5800
5790
5780
5770
5760
5750
5740
5730
VPI STA: 100+00.00
VPI EL=5740.18
VPC STA: 101+70.00
VPC EL=5743.58
2.00%
18" RCP CULVERT
INV=5737.1±
B–1 STA 103+03
11" ABC
2'± GRAVEL FILL
AUGER REFUSAL 3.0'

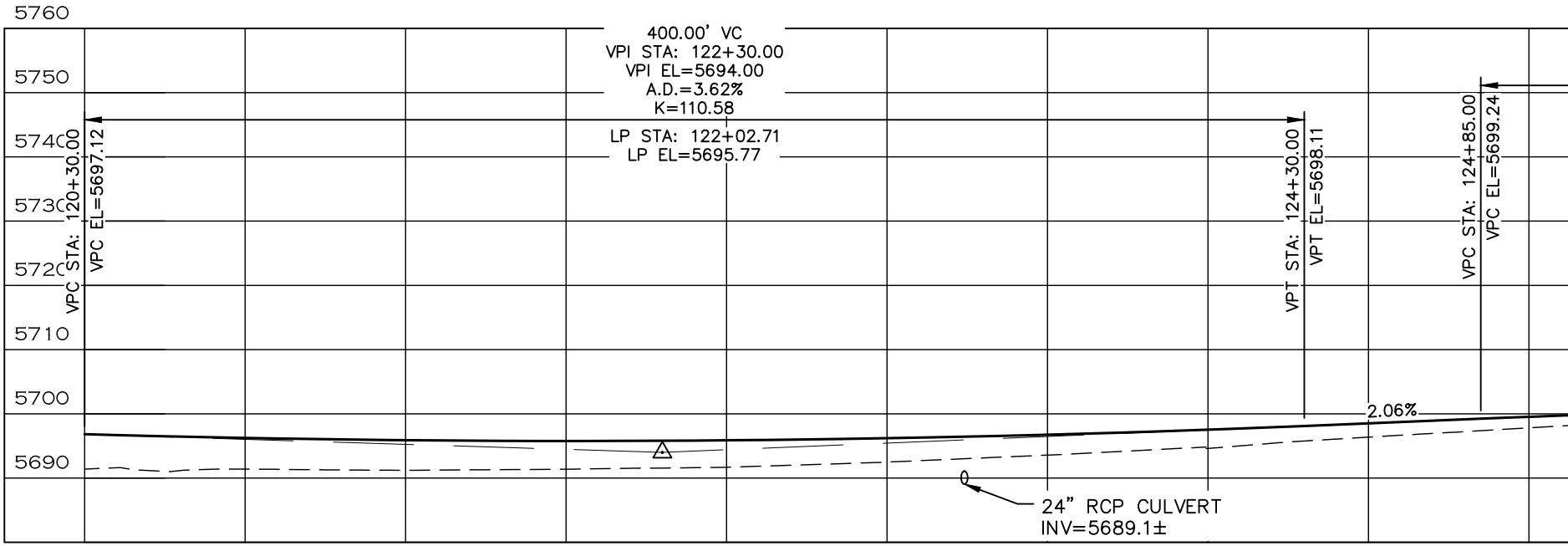

EXISTING METAL GATE
TO REMAIN
VICTORIA MARTINS
5106 W COUNTY ROAD 72
PROPOSED 18" RCP
STA 106+59.22
12' WIDE DRIVEWAY
60.00'
ROW
STA 10+75.00
16' DRIVEWAY
MATCH LINE STA 106+50
SEE SHEET 27
107+00
108+00
109+00
110+00
111+00
TP-2
B-2
COUNTY ROAD 72
OHE
EX UTILITY TO BE
RESET/RELOCATED
(BY OTHERS)
PROPOSED 18" RCP
65.00
ROW
AMBER/RUSSELL/
CHERYL SPENCE
CATCH LINE
(TYP)
HERBERT
SWARTZ
PROPOSED 16'
METAL GATE
RESET EX PEDESTAL &
POWER POLE (BY OTHERS)

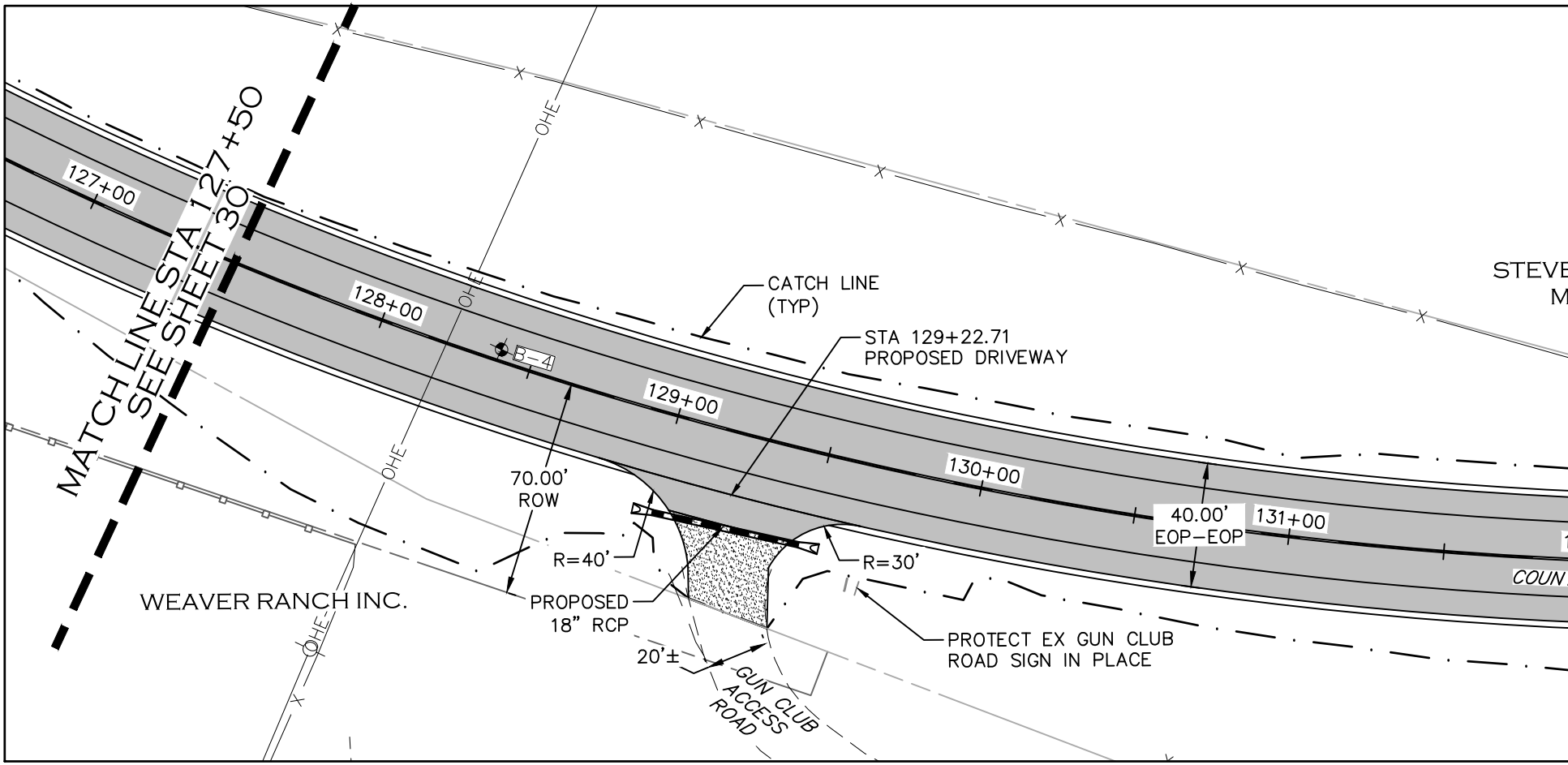

860.00' VC
VPI STA: 106+00.00
VPI EL=5752.18
A.D.=-7.51%
K=114.56
5790
5780
5770
5760
5750
5740
5730
5720
VPC STA: 101+70.00
VPC EL=5743.58
VPT STA: 110+30.00
VPT EL=5728.50
TP-2 STA 107+26
54" LEAN CLAY W/ SAND
24" SANDSTONE
BUCKET REFUSAL 6.5'
B-2 STA 109+00
8" ABC
4.5'± SANDY LEAN CLAY
AUGER REFUSAL 5.0'
106+50
107+00
107+50
108+00
108+50
109+00
109+50
110+00
110+50
111+00

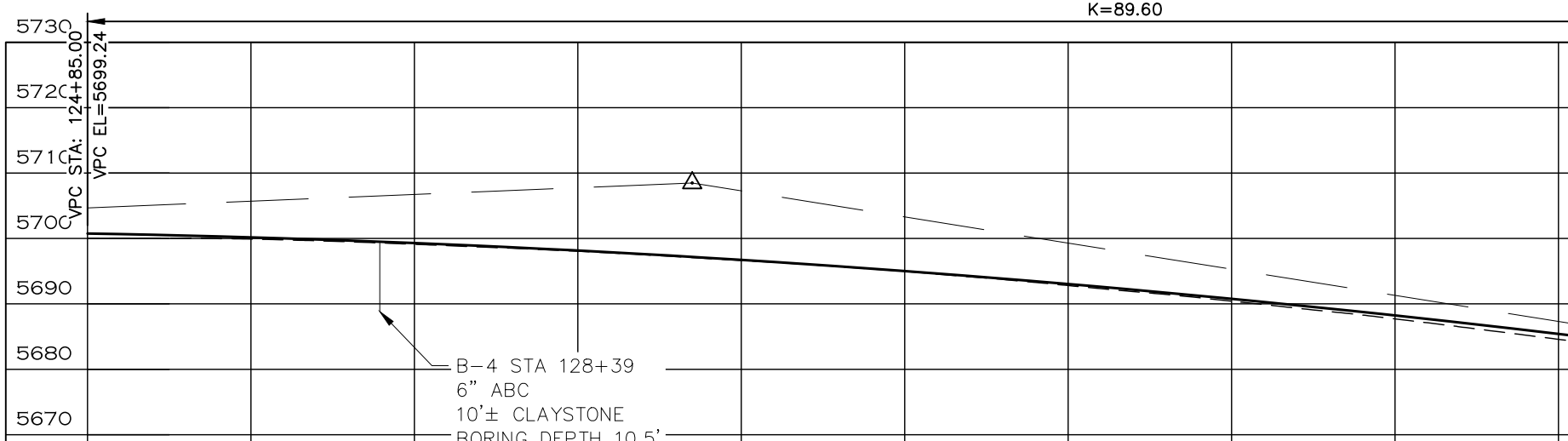

HERBERT SWARTZ
PROPOSED 16' METAL GATE
PROPOSED 18" RCP
STA 113+81.62
16' WIDE DRIVEWAY
MATCH LINE SEE SHEET 28
STA 113+50
114+00
115+00
116+00
117+00
118+00
COUNTY ROAD 72
40.00'
EOP-EOP
TP-3
EX ROW
HERBERT
SWARTZ

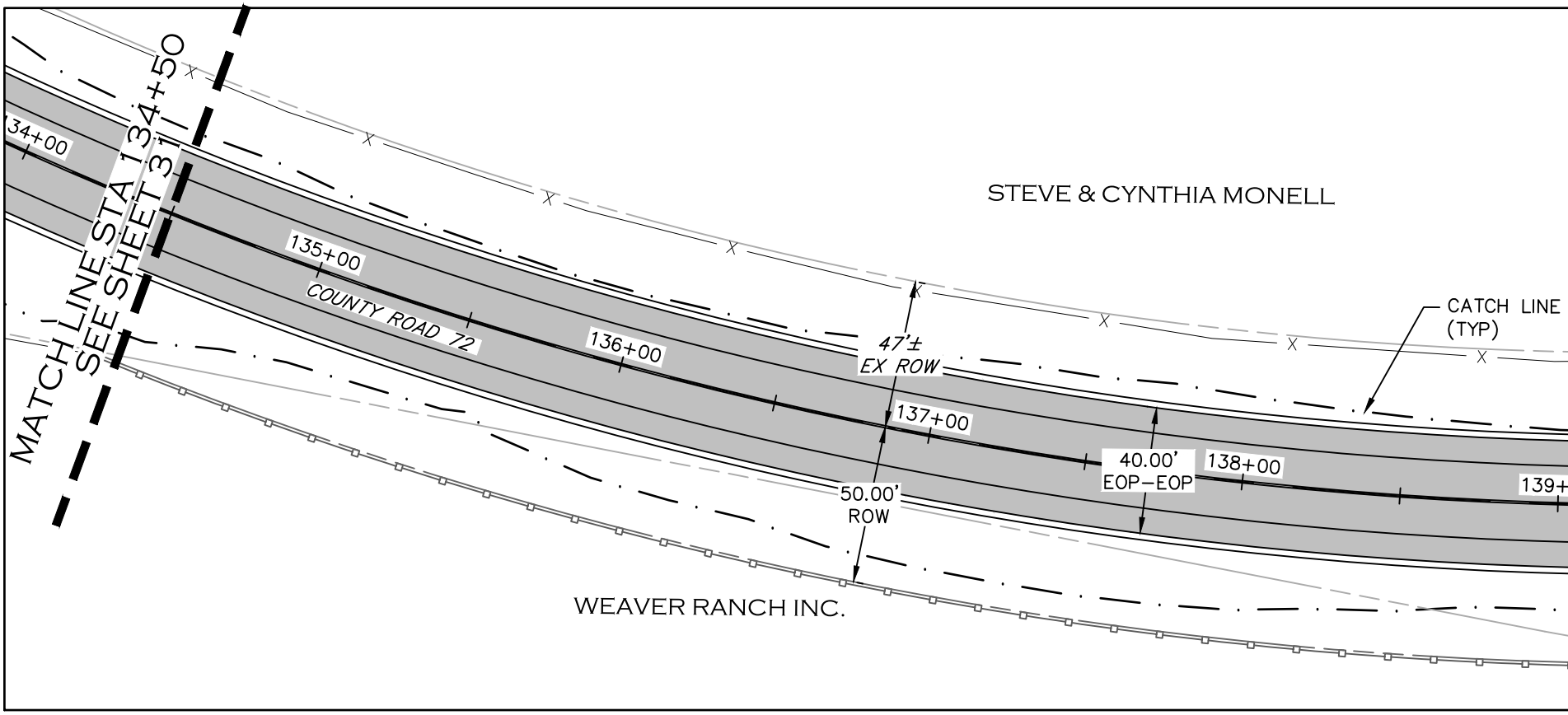

5760
5750
5740
5730
5720
5710
5700
5690
VPC STA: 116+45.00
VPC EL=5705.83
-3.10%
TP-3 STA 116+65
150" LEAN CLAY W/ SAND

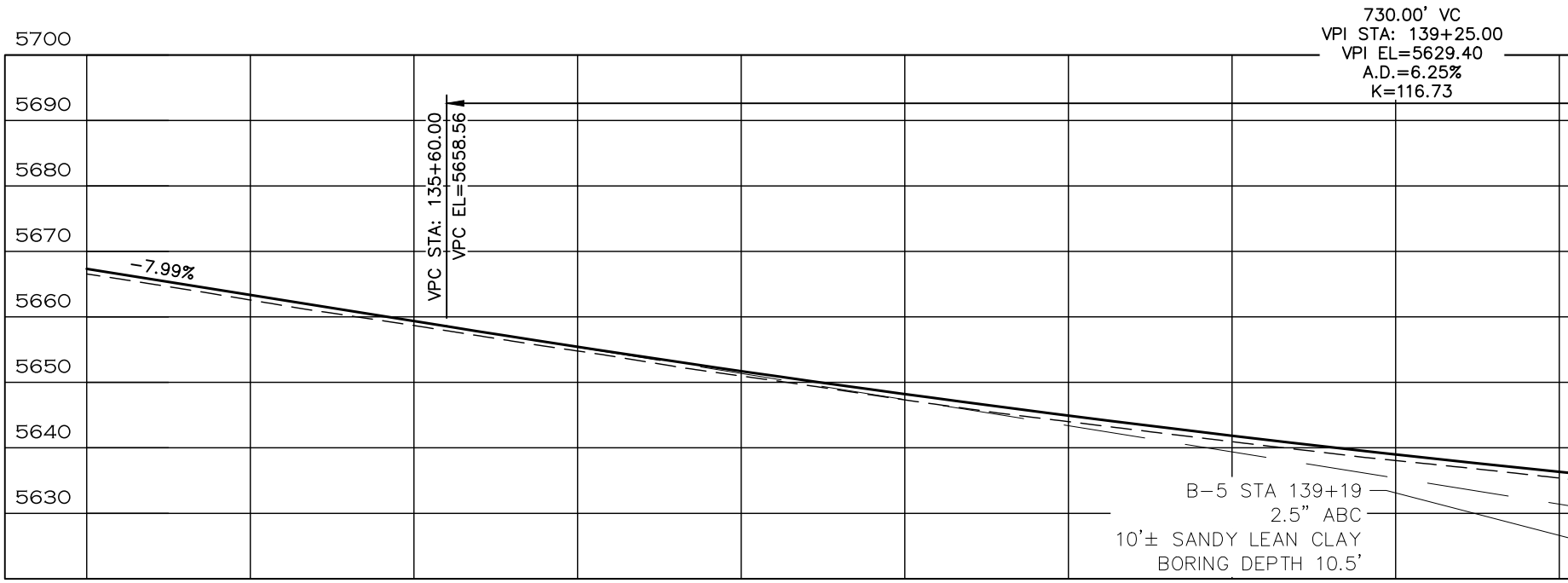

MATCH LINE STA 120+50
SEE SHEET 29
OWL CANYON TRAIL
SEE SHEET 50
FOR OWL CANYON
TRAIL PLAN & PROFILE
STEVE & CYNTHIA
MONELL
10.00'
ROW
121+00
122+00
123+00
124+00
125+00
COUNTY ROAD 72
PROPOSED
24" RCP
100.00'
ROW
100.00'
VARIES
CATCH LINE
(TYP)
WEAVER RANCH INC.

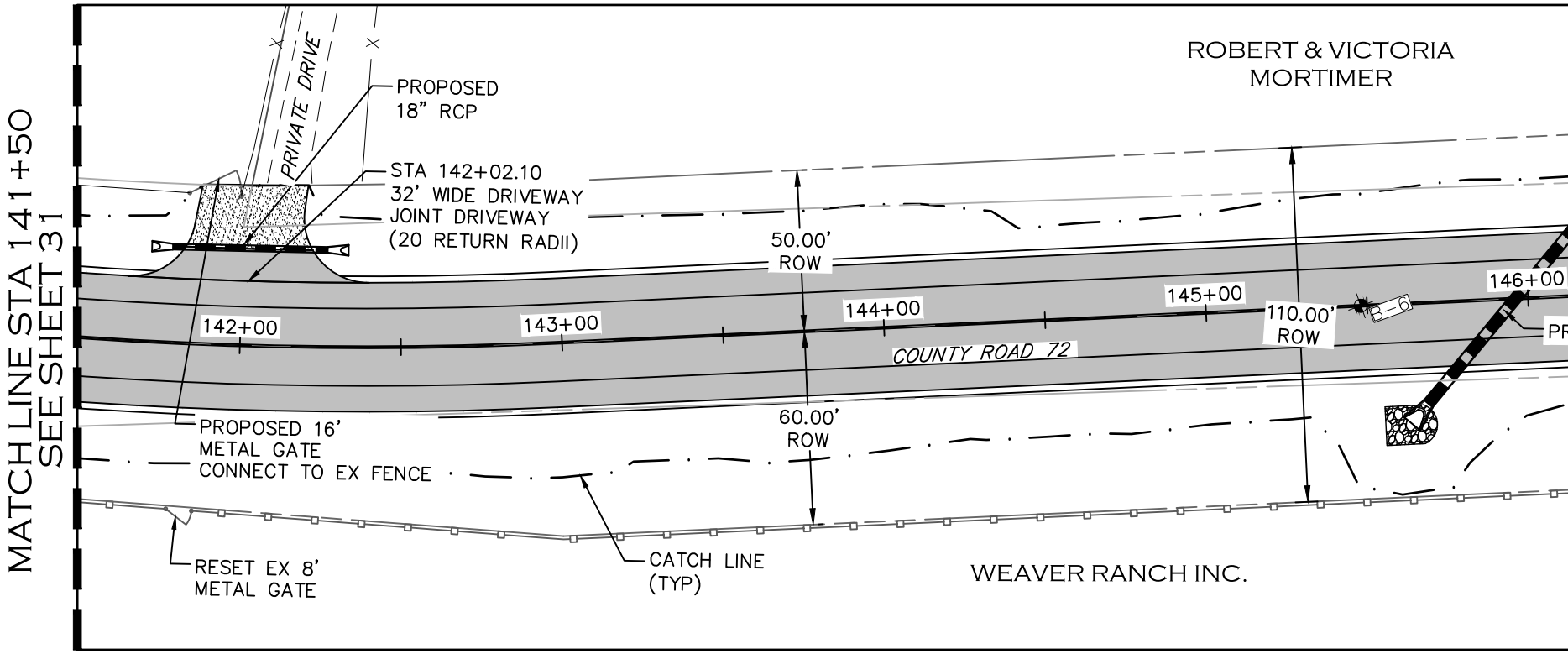

5760
5750
5740
5730
5720
5710
5700
5690
400.00' VC
VPI STA: 122+30.00
VPI EL=5694.00
A.D.=3.62%
K=110.58
LP STA: 122+02.71
LP EL=5695.77
VPC STA: 120+30.00
VPC EL=5697.12
VPT STA: 124+30.00
VPT EL=5698.11
VPC STA: 124+85.00
VPC EL=5699.24
2.06%
24" RCP CULVERT
INV=5689.1±

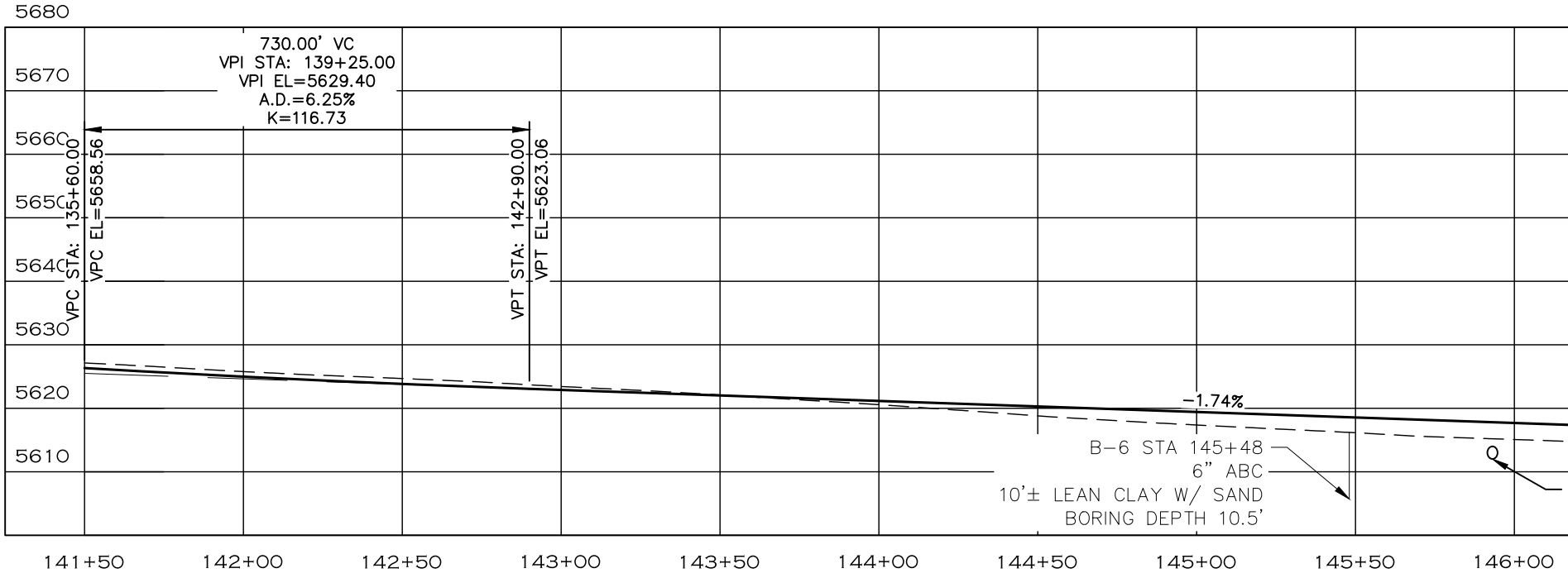

MATCH LINE STA 127+50
SEE SHEET 30
127+00
128+00
129+00
130+00
131+00
OHE
B-4
CATCH LINE
(TYP)
STA 129+22.71
PROPOSED DRIVEWAY
70.00'
ROW
40.00'
EOP-EOP
R=40'
R=30'
WEAVER RANCH INC.
PROPOSED
18" RCP
20'±
GUN CLUB
ACCESS
ROAD
PROTECT EX GUN CLUB
ROAD SIGN IN PLACE
STEVE
M
COUN

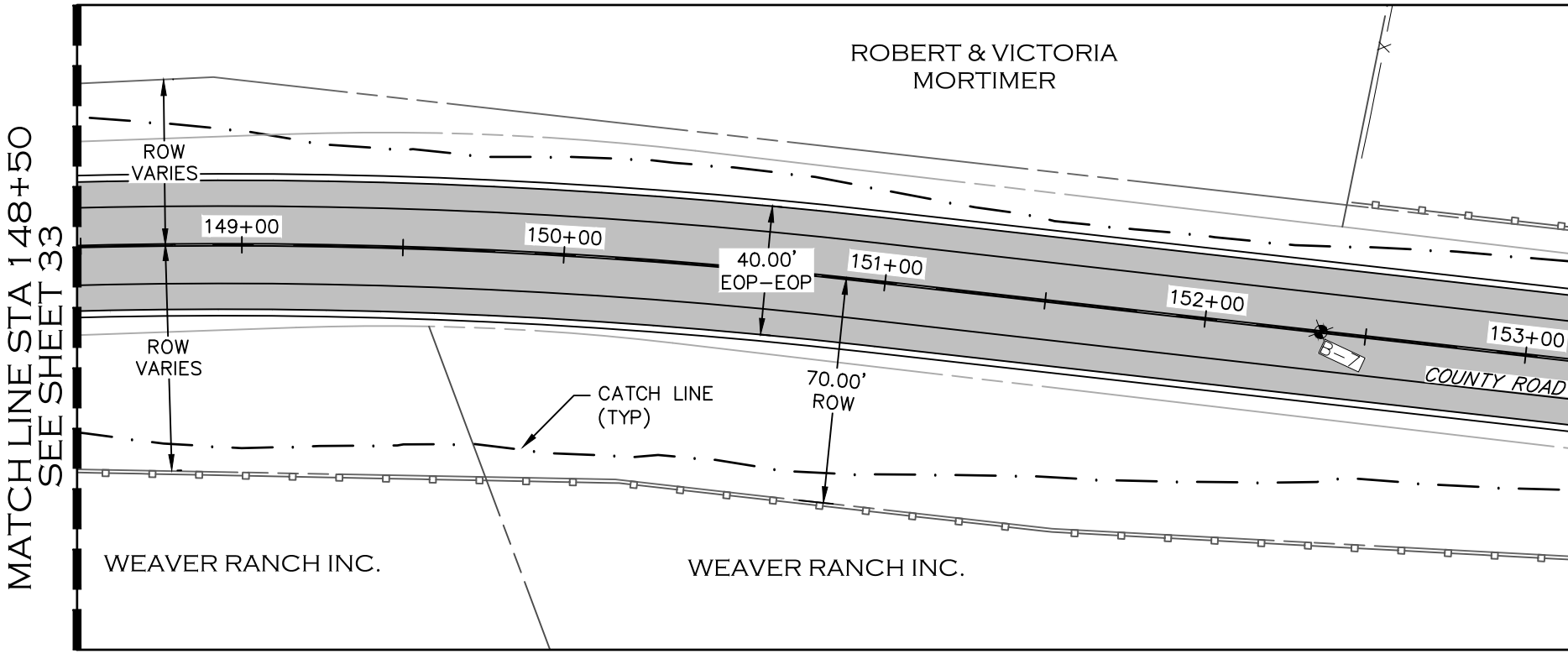

900.00' VC
VPI STA: 129+35.00
VPI EL=5708.49
A.D.=-10.04%
K=89.60
5730
5720
5710
5700
5690
5680
5670
VPC STA: 124+85.00
VPC EL=5699.24
B-4 STA 128+39
6" ABC
10'± CLAYSTONE
BORING DEPTH 10.5'

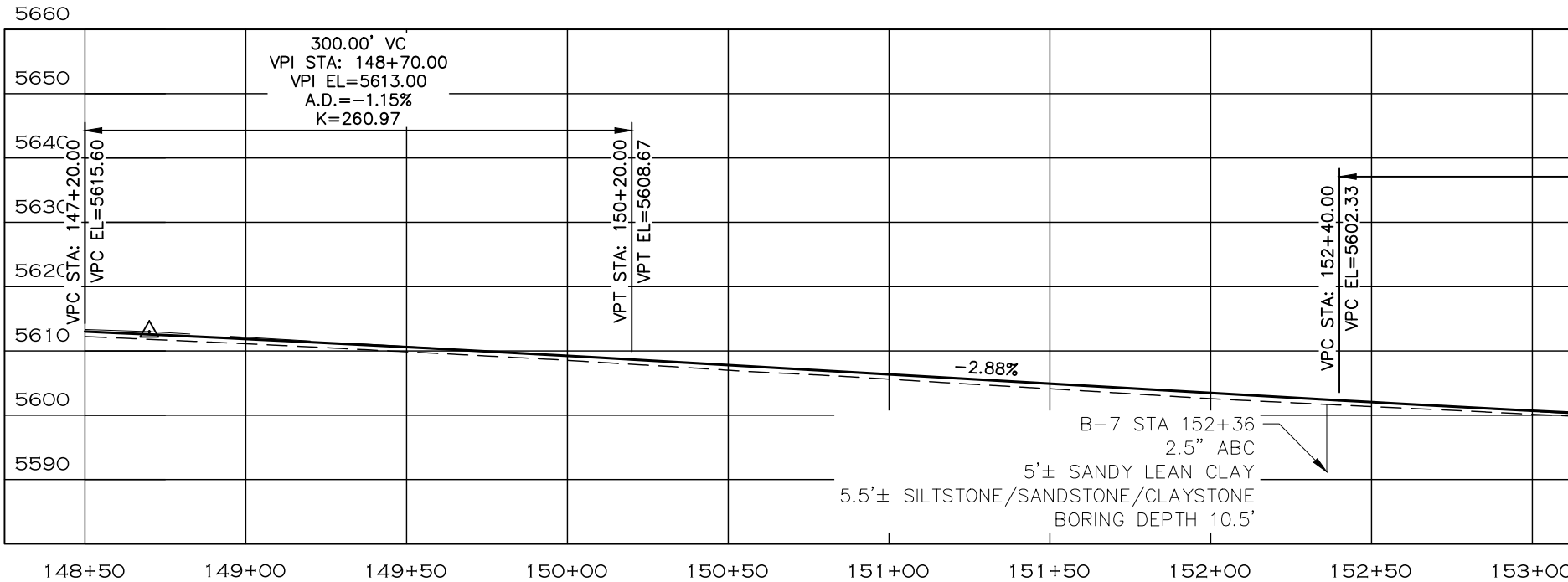

MATCH LINE STA 134+50
SEE SHEET 31
134+00
135+00
136+00
137+00
138+00
139+
COUNTY ROAD 72
STEVE & CYNTHIA MONELL
WEAVER RANCH INC.
CATCH LINE
(TYP)
47'±
EX ROW
40.00'
EOP–EOP
50.00'
ROW

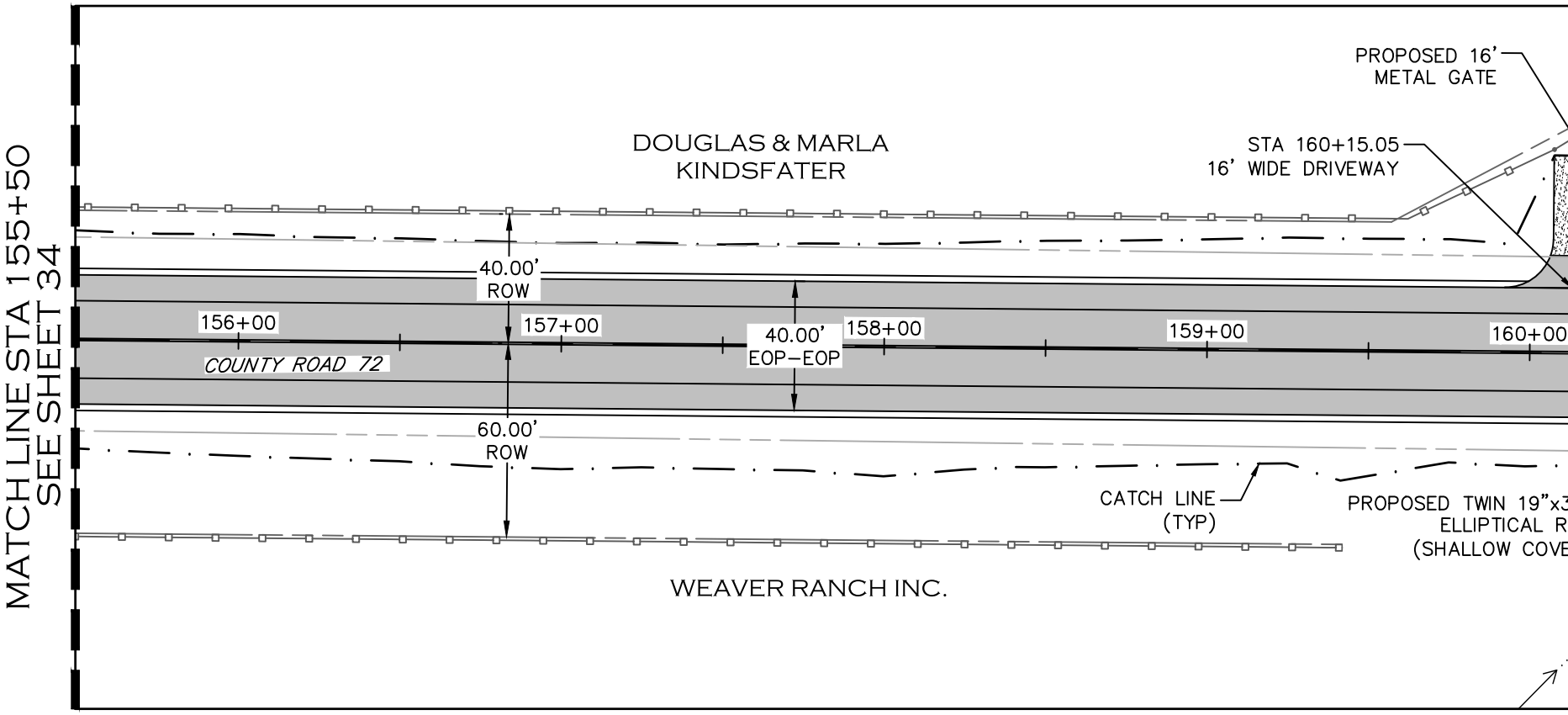

5700
5690
5680
5670
5660
5650
5640
5630
730.00' VC
VPI STA: 139+25.00
VPI EL=5629.40
A.D.=6.25%
K=116.73
VPC STA: 135+60.00
VPC EL=5658.56
-7.99%
B–5 STA 139+19
2.5" ABC
10'± SANDY LEAN CLAY
BORING DEPTH 10.5'

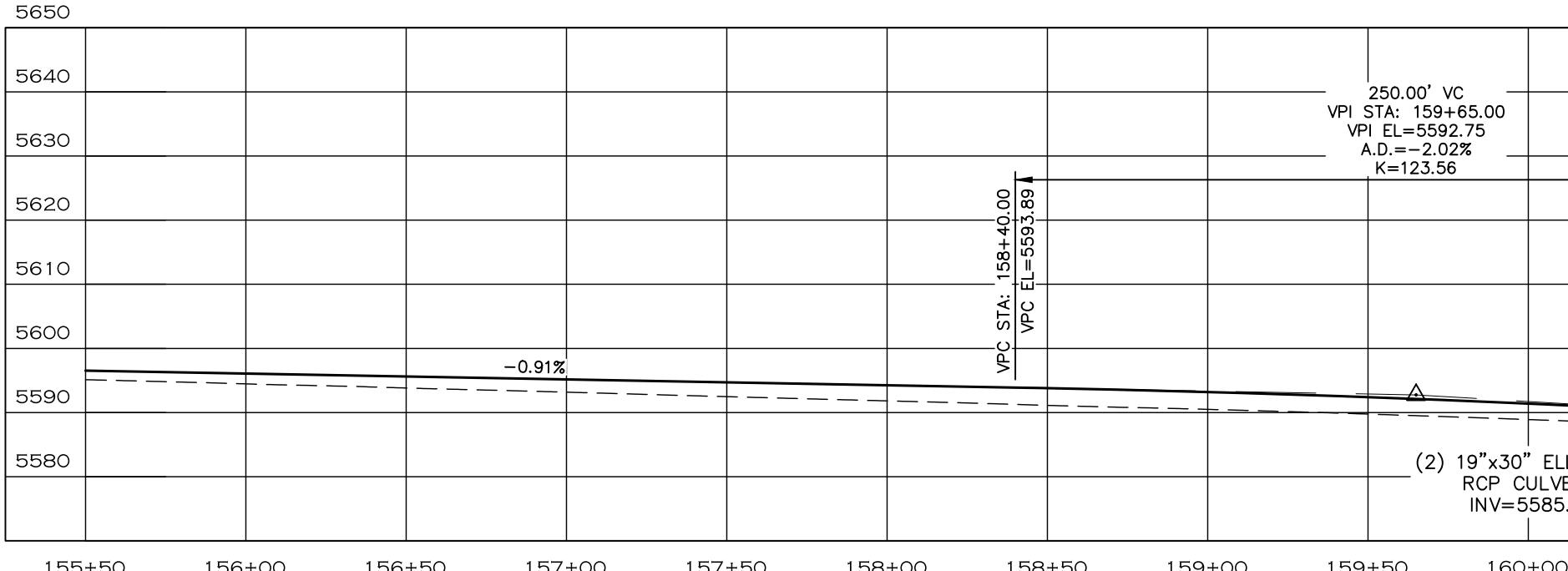

MATCH LINE STA 141+50
SEE SHEET 31
PRIVATE DRIVE
PROPOSED
18" RCP
STA 142+02.10
32' WIDE DRIVEWAY
JOINT DRIVEWAY
(20 RETURN RADII)
ROBERT & VICTORIA
MORTIMER
50.00'
ROW
110.00'
ROW
60.00'
ROW
142+00
143+00
144+00
145+00
146+00
B-6
COUNTY ROAD 72
PROPOSED 16'
METAL GATE
CONNECT TO EX FENCE
RESET EX 8'
METAL GATE
CATCH LINE
(TYP)
WEAVER RANCH INC.

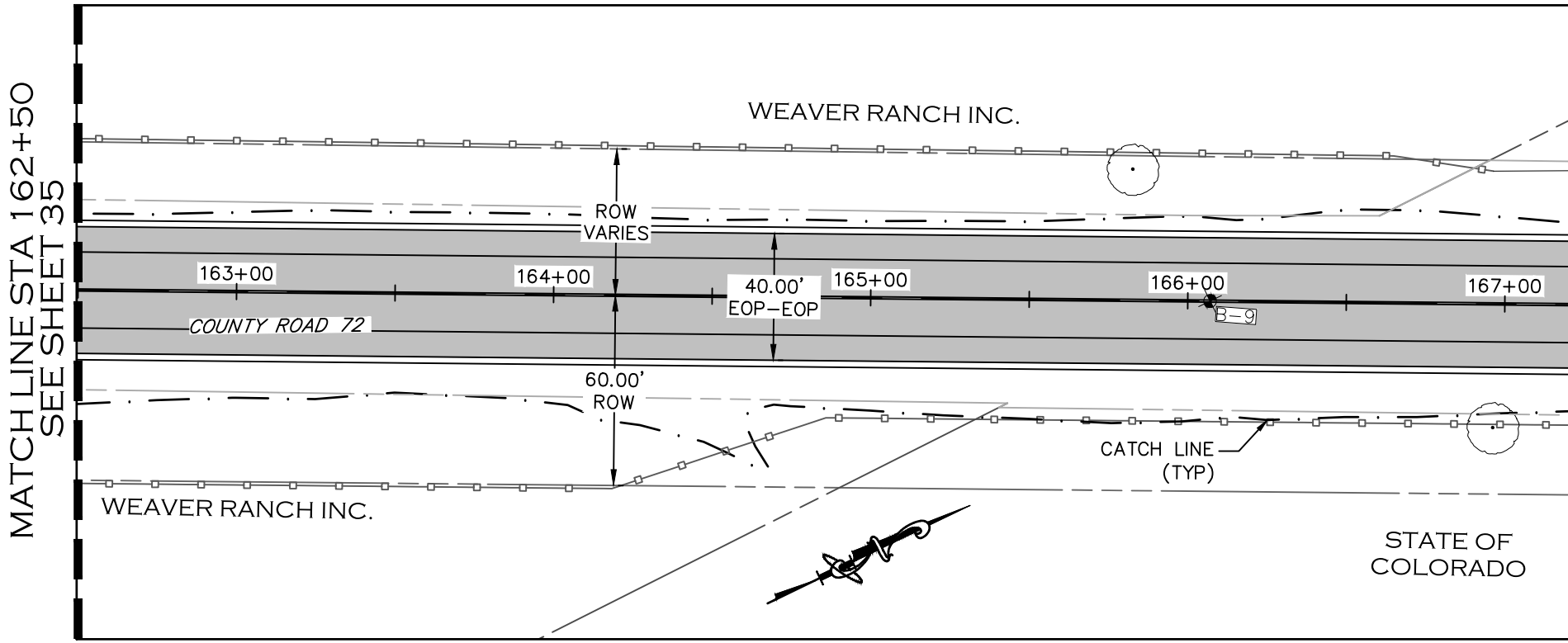

5680
5670
5660
5650
5640
5630
5620
5610
730.00' VC
VPI STA: 139+25.00
VPI EL=5629.40
A.D.=6.25%
K=116.73
VPC STA: 135+60.00
VPC EL=5658.56
VPT STA: 142+90.00
VPT EL=5623.06
-1.74%
B-6 STA 145+48
6" ABC
10'± LEAN CLAY W/ SAND
BORING DEPTH 10.5'
141+50
142+00
142+50
143+00
143+50
144+00
144+50
145+00
145+50
146+00

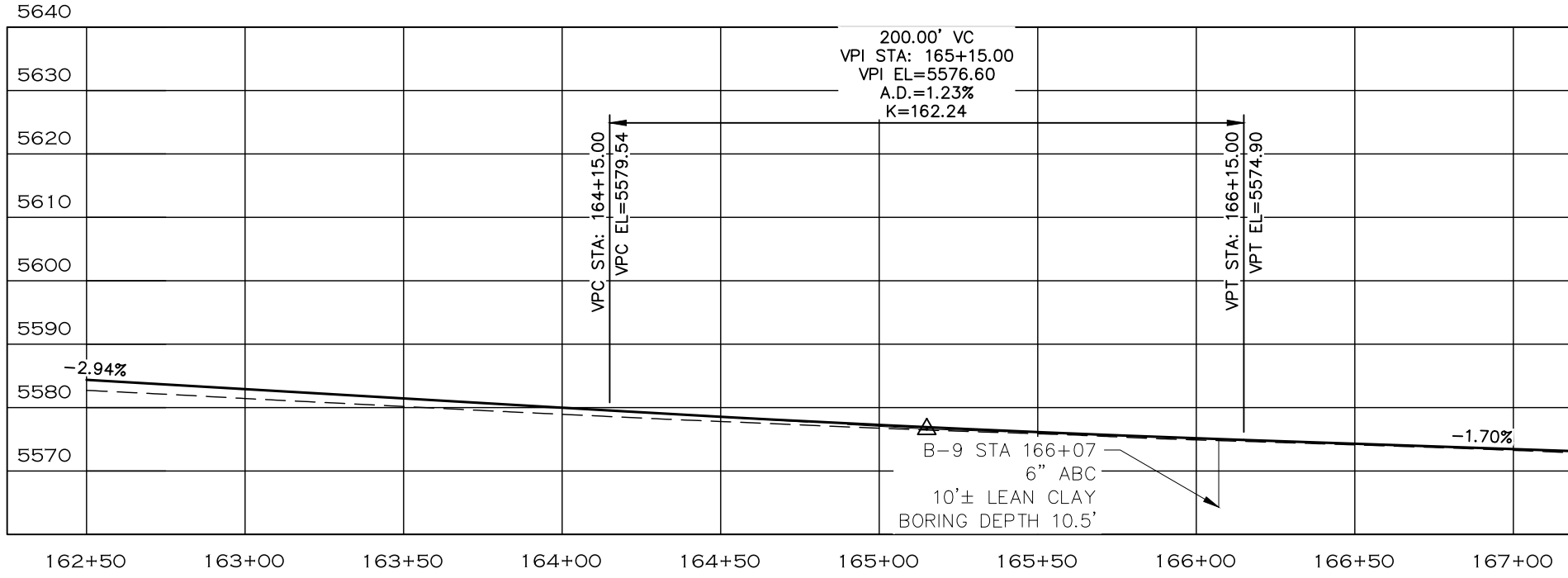

MATCH LINE STA 148+50
SEE SHEET 33
ROBERT & VICTORIA
MORTIMER
ROW
VARIES
149+00
150+00
40.00'
EOP–EOP
151+00
152+00
153+00
B–7
COUNTY ROAD
ROW
VARIES
CATCH LINE
(TYP)
70.00'
ROW
WEAVER RANCH INC.
WEAVER RANCH INC.

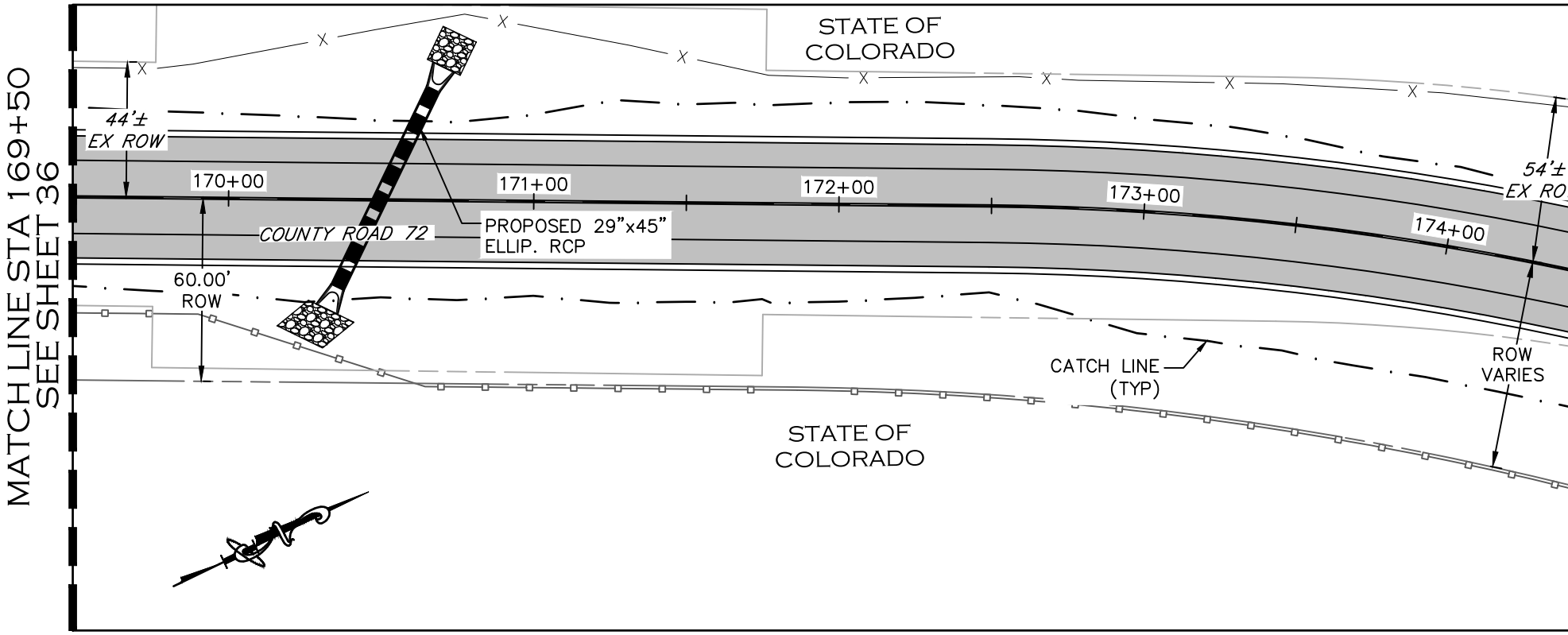

5660
5650
5640
5630
5620
5610
5600
5590
300.00' VC
VPI STA: 148+70.00
VPI EL=5613.00
A.D.=–1.15%
K=260.97
VPC STA: 147+20.00
VPC EL=5615.60
VPT STA: 150+20.00
VPT EL=5608.67
VPC STA: 152+40.00
VPC EL=5602.33
–2.88%
B–7 STA 152+36
2.5" ABC
5'± SANDY LEAN CLAY
5.5'± SILTSTONE/SANDSTONE/CLAYSTONE
BORING DEPTH 10.5'
148+50
149+00
149+50
150+00
150+50
151+00
151+50
152+00
152+50
153+00

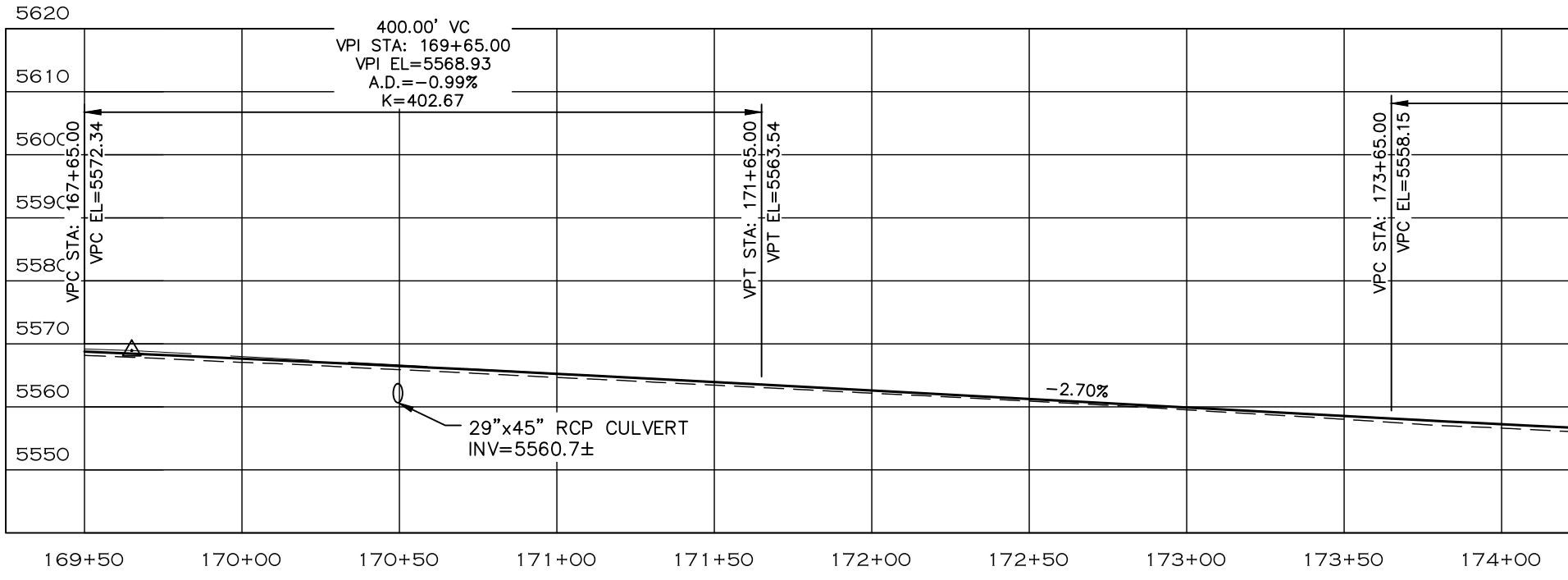

MATCH LINE STA 155+50
SEE SHEET 34
DOUGLAS & MARLA
KINDSFATER
PROPOSED 16'
METAL GATE
STA 160+15.05
16' WIDE DRIVEWAY
40.00'
ROW
156+00
157+00
40.00'
EOP–EOP
158+00
159+00
160+00
COUNTY ROAD 72
60.00'
ROW
CATCH LINE
(TYP)
PROPOSED TWIN 19"x3
ELLIPTICAL R
(SHALLOW COVE
WEAVER RANCH INC.

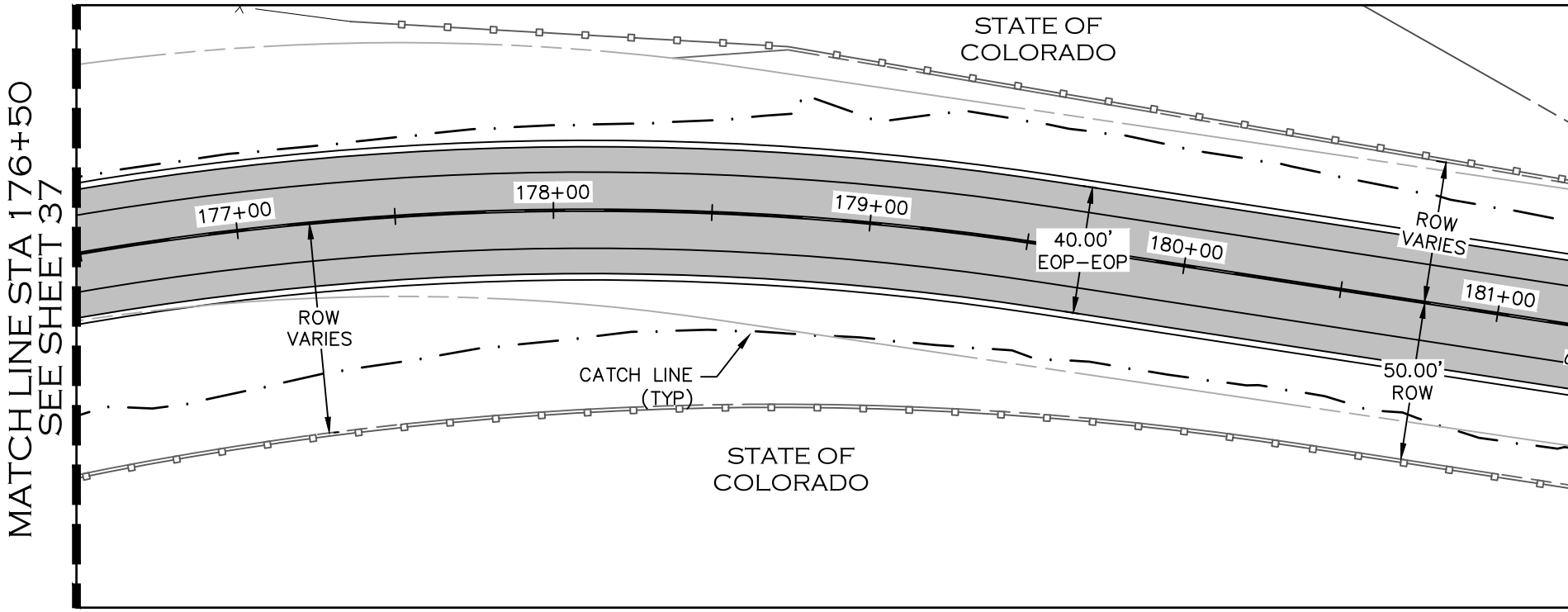

5650
5640
5630
5620
5610
5600
5590
5580
250.00' VC
VPI STA: 159+65.00
VPI EL=5592.75
A.D.=–2.02%
K=123.56
VPC STA: 158+40.00
VPC EL=5593.89
–0.91%
(2) 19"x30" ELL
RCP CULVE
INV=5585.
155+50
156+00
156+50
157+00
157+50
158+00
158+50
159+00
159+50
160+00

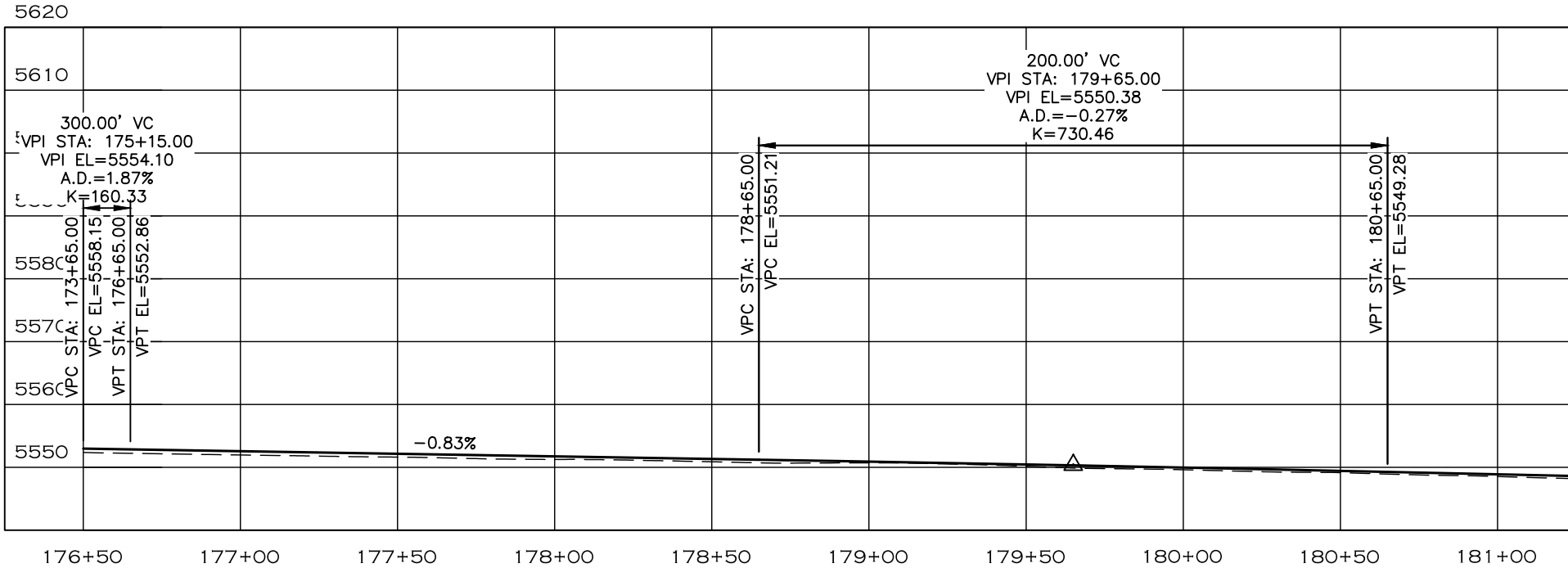

MATCH LINE STA 162+50
SEE SHEET 35
WEAVER RANCH INC.
ROW
VARIES
163+00
164+00
40.00'
EOP–EOP
165+00
166+00
167+00
B–9
COUNTY ROAD 72
60.00'
ROW
CATCH LINE
(TYP)
WEAVER RANCH INC.
STATE OF
COLORADO

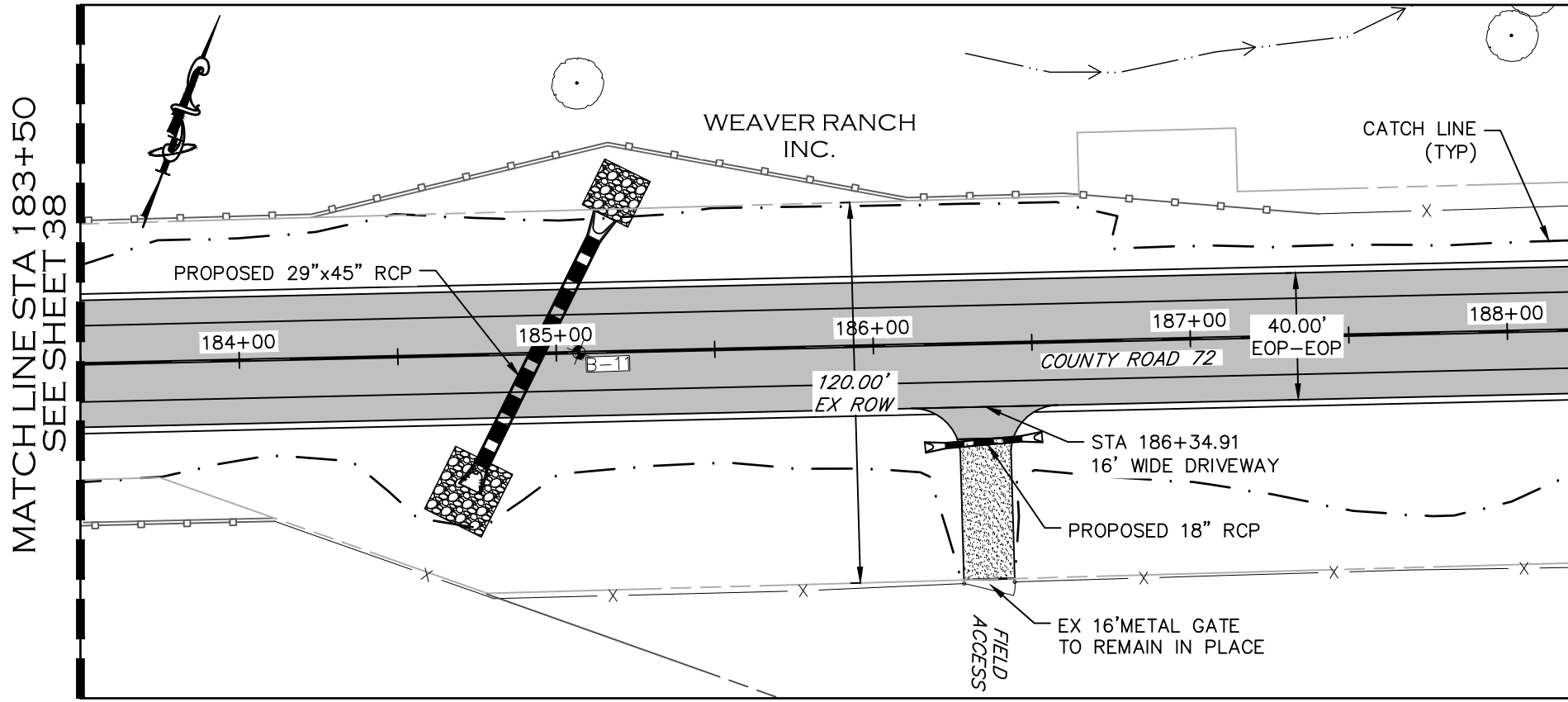

5640
5630
5620
5610
5600
5590
5580
5570
200.00' VC
VPI STA: 165+15.00
VPI EL=5576.60
A.D.=1.23%
K=162.24
VPC STA: 164+15.00
VPC EL=5579.54
VPT STA: 166+15.00
VPT EL=5574.90
–2.94%
–1.70%
B–9 STA 166+07
6" ABC
10'± LEAN CLAY
BORING DEPTH 10.5'
162+50
163+00
163+50
164+00
164+50
165+00
165+50
166+00
166+50
167+00

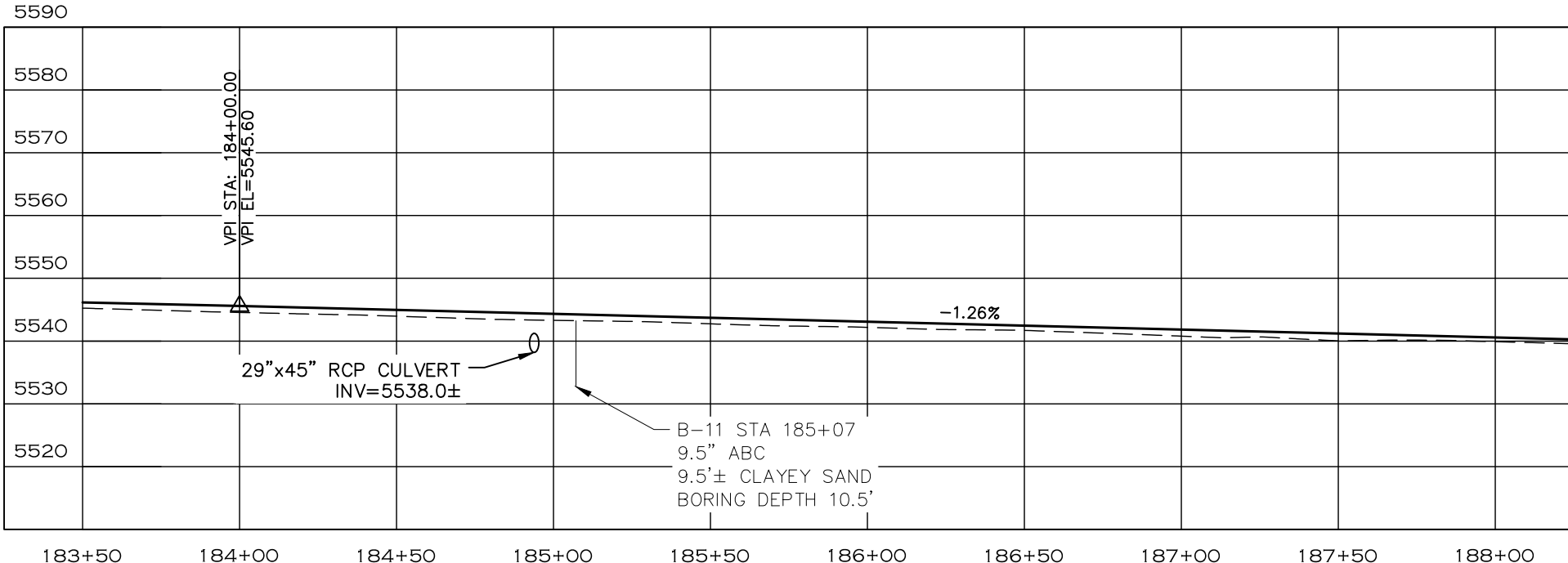

MATCH LINE STA 169+50
SEE SHEET 36
STATE OF COLORADO
44'± EX ROW
170+00
171+00
172+00
173+00
174+00
54'± EX RO
COUNTY ROAD 72
PROPOSED 29"x45" ELLIP. RCP
60.00' ROW
CATCH LINE (TYP)
ROW VARIES
STATE OF COLORADO

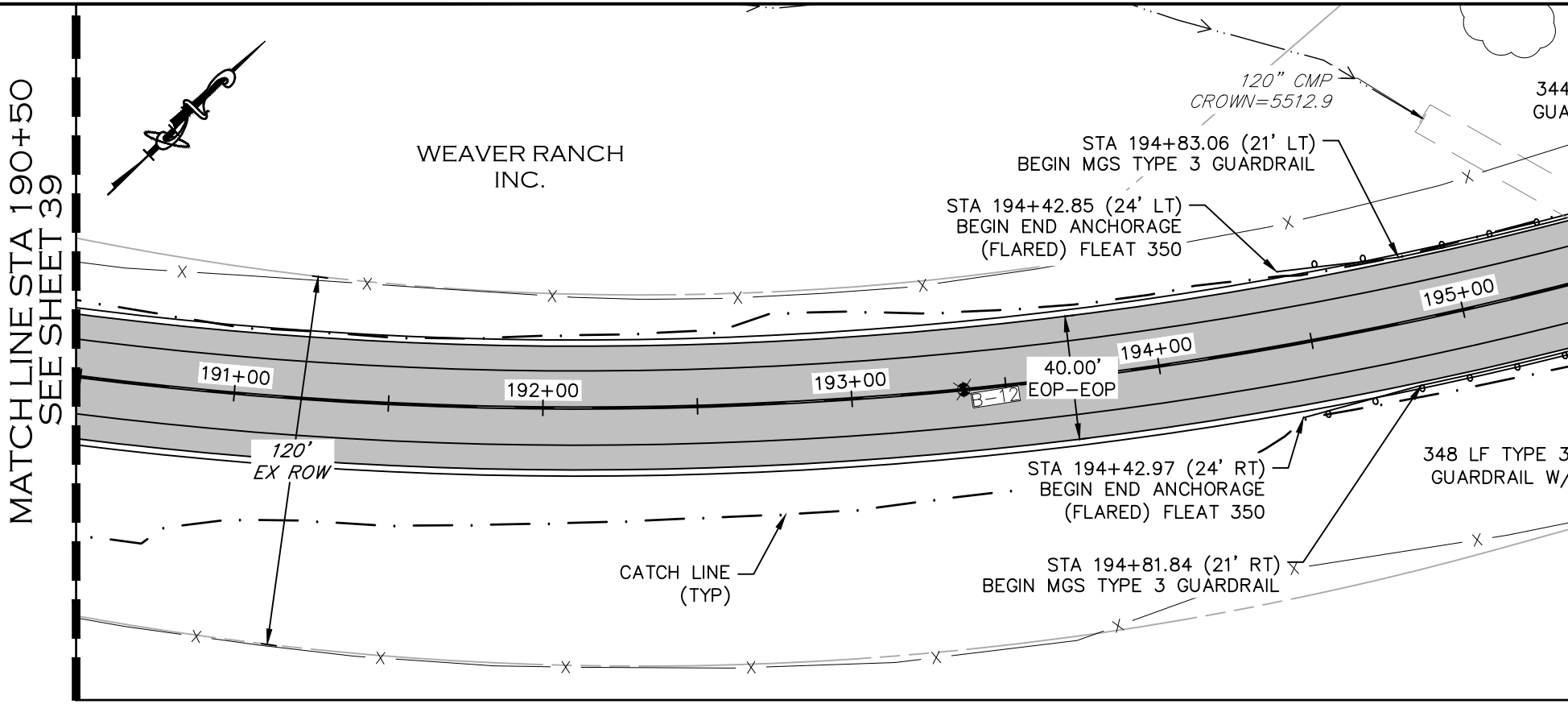

5620
5610
5600
5590
5580
5570
5560
5550
400.00' VC
VPI STA: 169+65.00
VPI EL=5568.93
A.D.=-0.99%
K=402.67
VPC STA: 167+65.00
VPC EL=5572.34
VPT STA: 171+65.00
VPT EL=5563.54
VPC STA: 173+65.00
VPC EL=5558.15
-2.70%
29"x45" RCP CULVERT
INV=5560.7±
169+50
170+00
170+50
171+00
171+50
172+00
172+50
173+00
173+50
174+00

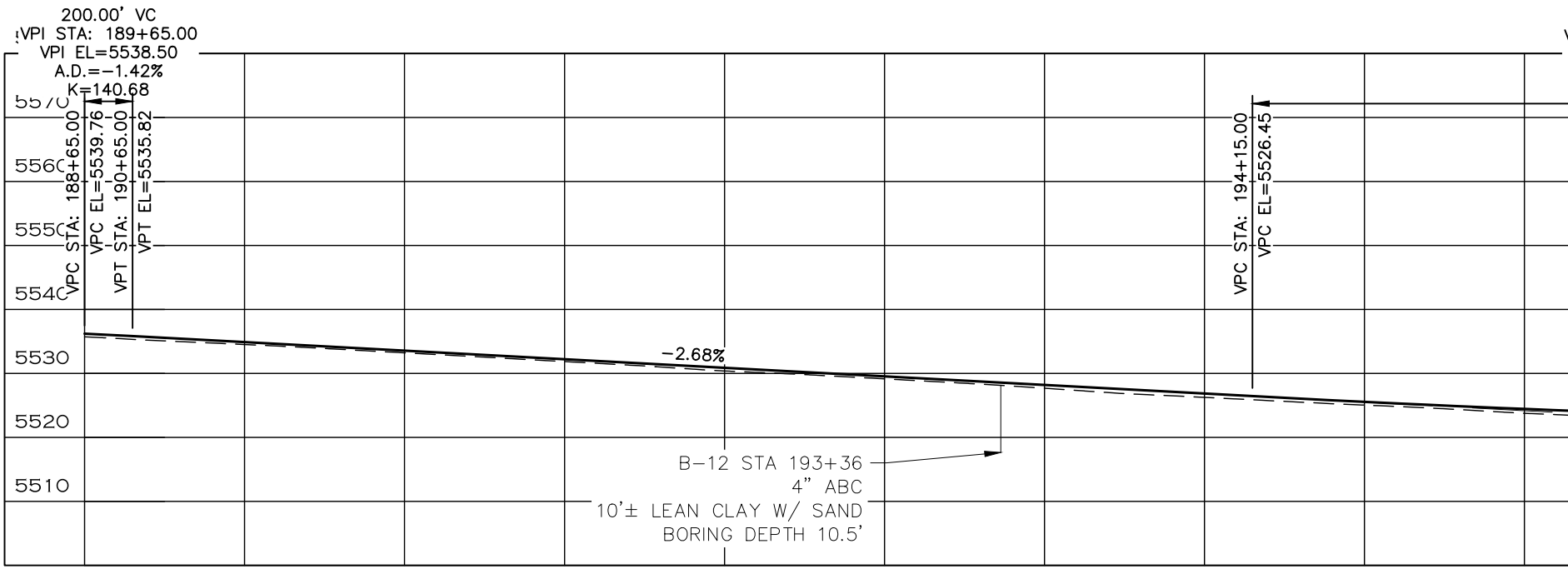

MATCH LINE STA 176+50
SEE SHEET 37
STATE OF
COLORADO
177+00
178+00
179+00
40.00'
EOP–EOP
180+00
181+00
ROW
VARIES
ROW
VARIES
CATCH LINE
(TYP)
50.00'
ROW
STATE OF
COLORADO

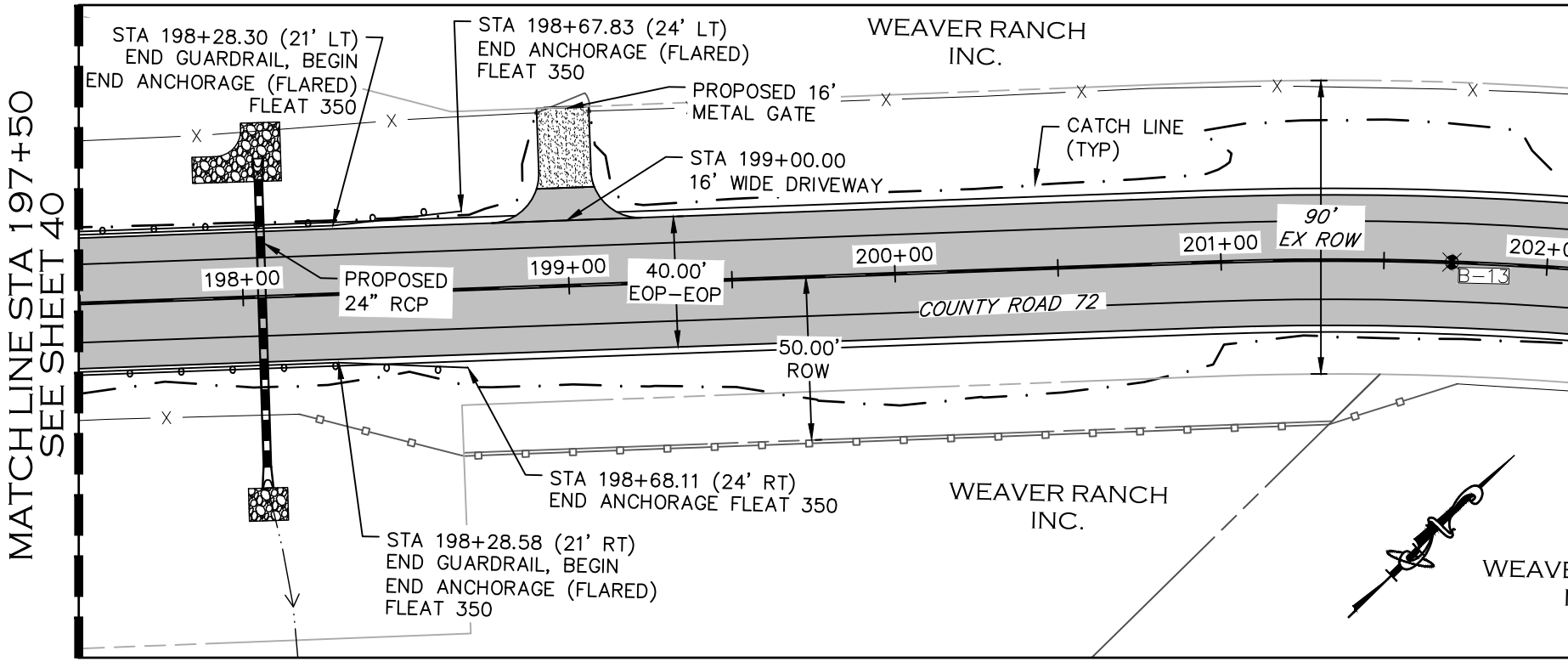

5620
5610
5580
5570
5560
5550
300.00' VC
VPI STA: 175+15.00
VPI EL=5554.10
A.D.=1.87%
K=160.33
VPC STA: 173+65.00
VPC EL=5558.15
VPT STA: 176+65.00
VPT EL=5552.86
200.00' VC
VPI STA: 179+65.00
VPI EL=5550.38
A.D.=–0.27%
K=730.46
VPC STA: 178+65.00
VPC EL=5551.21
VPT STA: 180+65.00
VPT EL=5549.28
–0.83%
176+50
177+00
177+50
178+00
178+50
179+00
179+50
180+00
180+50
181+00

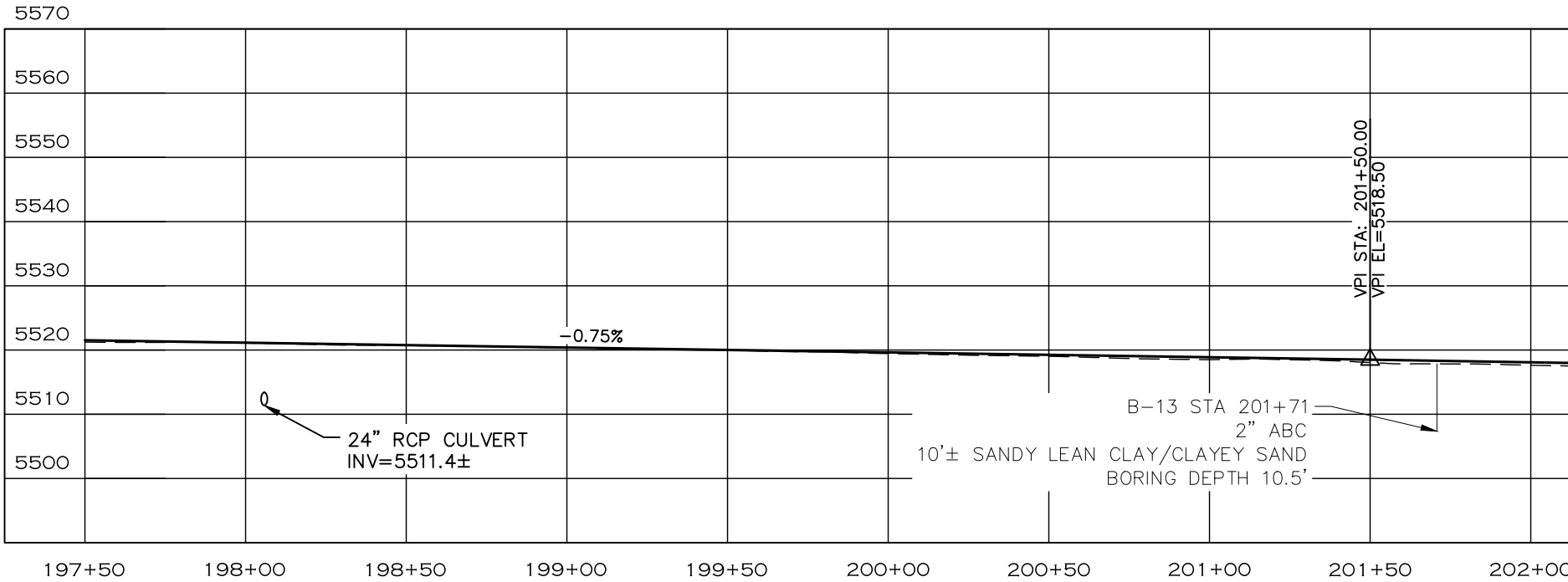

MATCH LINE STA 183+50
SEE SHEET 38
WEAVER RANCH
INC.
CATCH LINE
(TYP)
PROPOSED 29"x45" RCP
184+00
185+00
B-11
186+00
187+00
188+00
40.00'
EOP-EOP
COUNTY ROAD 72
120.00'
EX ROW
STA 186+34.91
16' WIDE DRIVEWAY
PROPOSED 18" RCP
EX 16'METAL GATE
TO REMAIN IN PLACE
FIELD
ACCESS

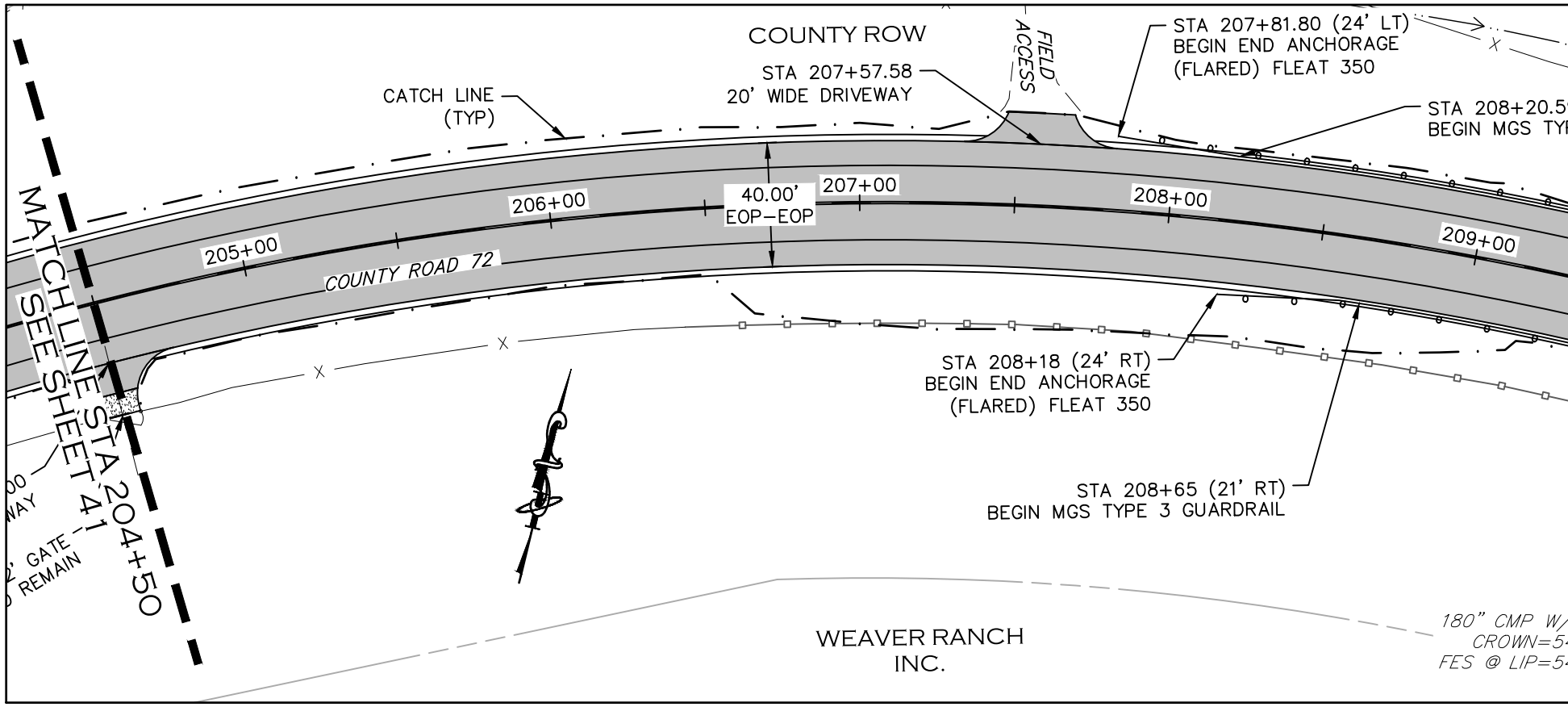

5590
5580
5570
5560
5550
5540
5530
5520
VPI STA: 184+00.00
VPI EL=5545.60
-1.26%
29"x45" RCP CULVERT
INV=5538.0±
B-11 STA 185+07
9.5" ABC
9.5'± CLAYEY SAND
BORING DEPTH 10.5'
183+50
184+00
184+50
185+00
185+50
186+00
186+50
187+00
187+50
188+00

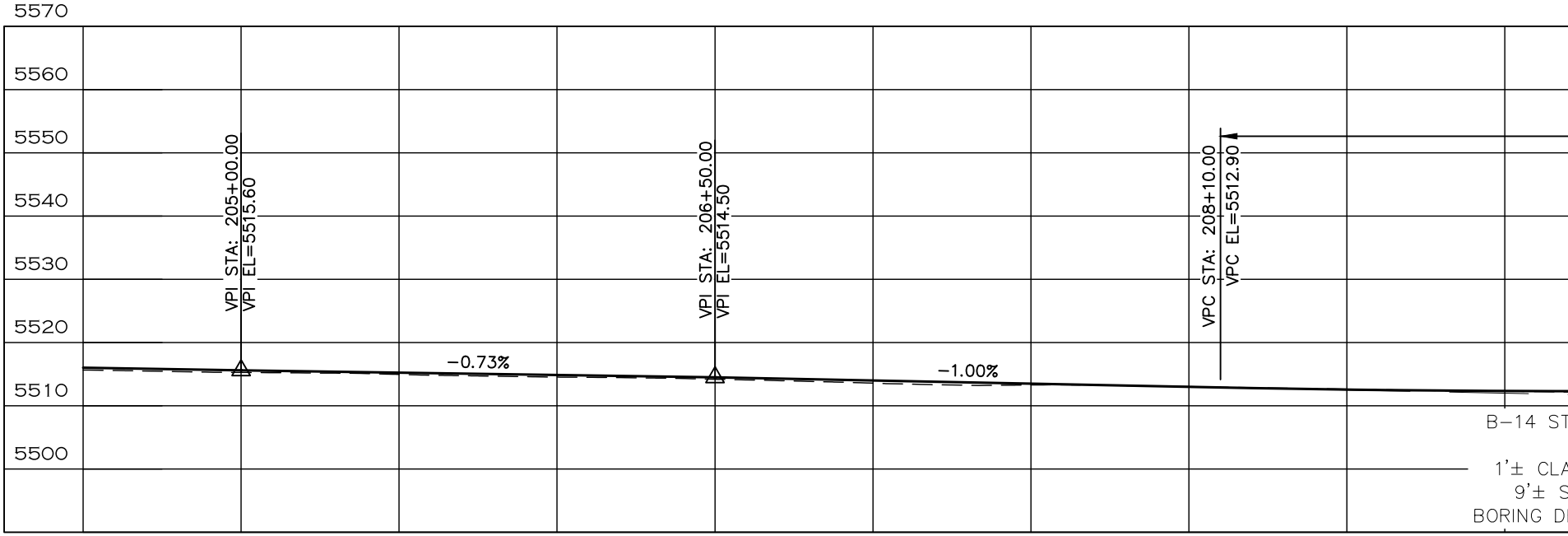

MATCH LINE STA 190+50
SEE SHEET 39
WEAVER RANCH
INC.
120" CMP
CROWN=5512.9
STA 194+83.06 (21' LT)
BEGIN MGS TYPE 3 GUARDRAIL
STA 194+42.85 (24' LT)
BEGIN END ANCHORAGE
(FLARED) FLEAT 350
191+00
192+00
193+00
194+00
195+00
40.00'
EOP-EOP
B-12
120'
EX ROW
CATCH LINE
(TYP)
STA 194+42.97 (24' RT)
BEGIN END ANCHORAGE
(FLARED) FLEAT 350
STA 194+81.84 (21' RT)
BEGIN MGS TYPE 3 GUARDRAIL
348 LF TYPE 3
GUARDRAIL W/

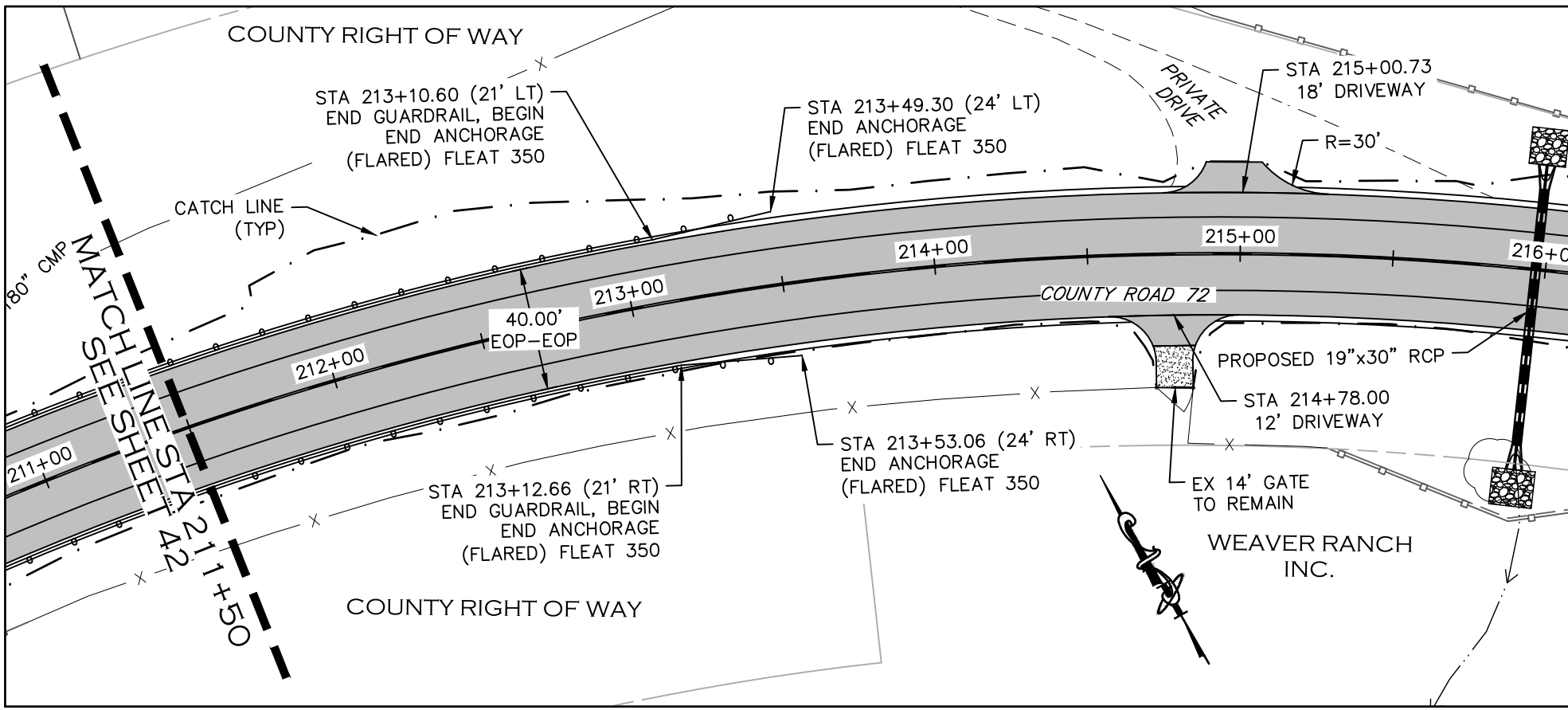

200.00' VC
VPI STA: 189+65.00
VPI EL=5538.50
A.D.=-1.42%
K=140.68
VPC STA: 188+65.00
VPC EL=5539.76
VPT STA: 190+65.00
VPT EL=5535.82
VPC STA: 194+15.00
VPC EL=5526.45
5560
5550
5540
5530
5520
5510
-2.68%
B-12 STA 193+36
4" ABC
10'± LEAN CLAY W/ SAND
BORING DEPTH 10.5'

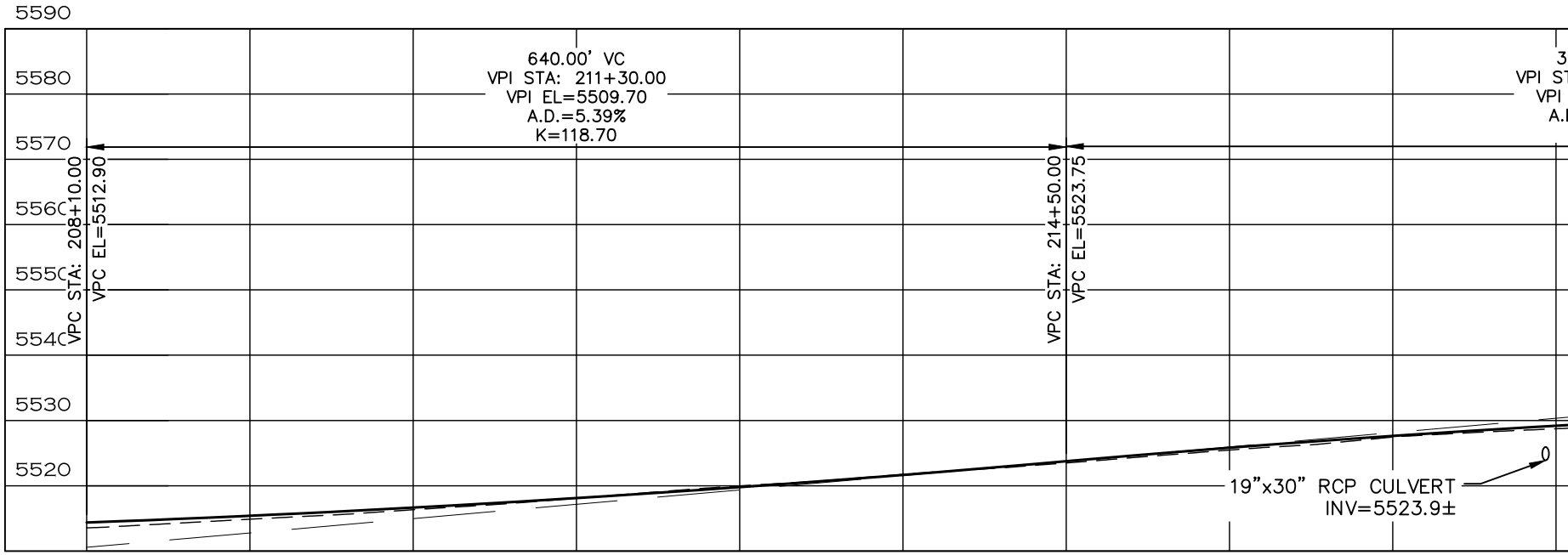

MATCH LINE STA 197+50
SEE SHEET 40
STA 198+28.30 (21' LT)
END GUARDRAIL, BEGIN
END ANCHORAGE (FLARED)
FLEAT 350
STA 198+67.83 (24' LT)
END ANCHORAGE (FLARED)
FLEAT 350
WEAVER RANCH
INC.
PROPOSED 16'
METAL GATE
CATCH LINE
(TYP)
STA 199+00.00
16' WIDE DRIVEWAY
90'
EX ROW
198+00
PROPOSED
24" RCP
199+00
40.00'
EOP-EOP
200+00
201+00
202+0
B-13
COUNTY ROAD 72
50.00'
ROW
STA 198+68.11 (24' RT)
END ANCHORAGE FLEAT 350
WEAVER RANCH
INC.
STA 198+28.58 (21' RT)
END GUARDRAIL, BEGIN
END ANCHORAGE (FLARED)
FLEAT 350
WEAVE

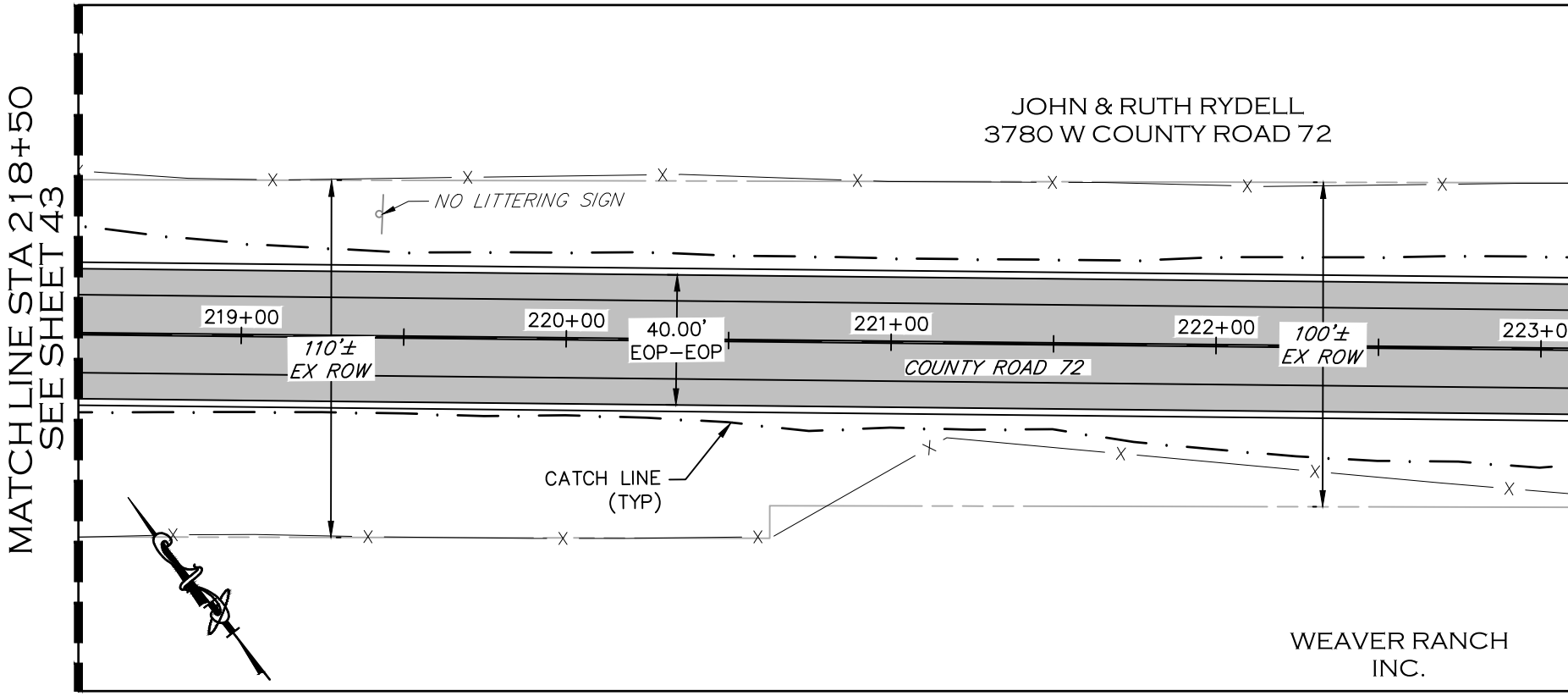

5570
5560
5550
5540
5530
5520
5510
5500
VPI STA: 201+50.00
VPI EL=5518.50
-0.75%
24" RCP CULVERT
INV=5511.4±
B-13 STA 201+71
2" ABC
10'± SANDY LEAN CLAY/CLAYEY SAND
BORING DEPTH 10.5'
197+50
198+00
198+50
199+00
199+50
200+00
200+50
201+00
201+50
202+00

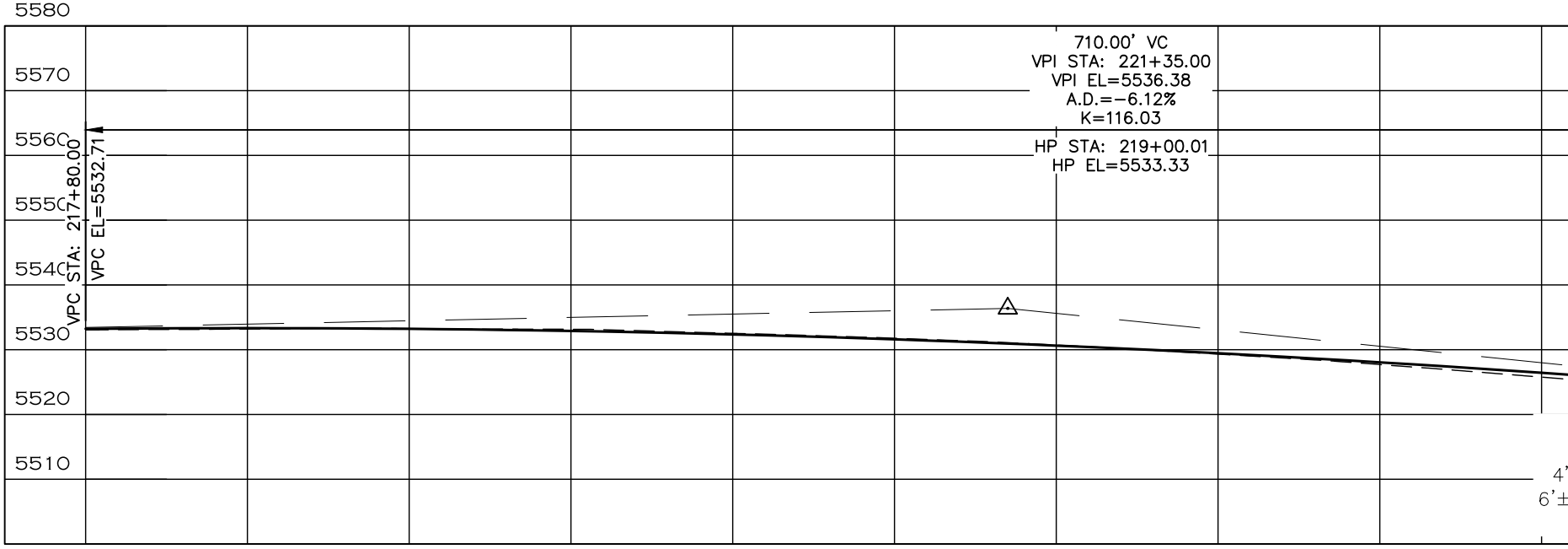

COUNTY ROW
FIELD ACCESS
STA 207+81.80 (24' LT)
BEGIN END ANCHORAGE
(FLARED) FLEAT 350
STA 207+57.58
20' WIDE DRIVEWAY
CATCH LINE
(TYP)
40.00'
EOP–EOP
205+00
206+00
207+00
208+00
209+00
COUNTY ROAD 72
MATCH LINE STA 204+50
SEE SHEET 41
STA 208+18 (24' RT)
BEGIN END ANCHORAGE
(FLARED) FLEAT 350
STA 208+65 (21' RT)
BEGIN MGS TYPE 3 GUARDRAIL
WEAVER RANCH
INC.

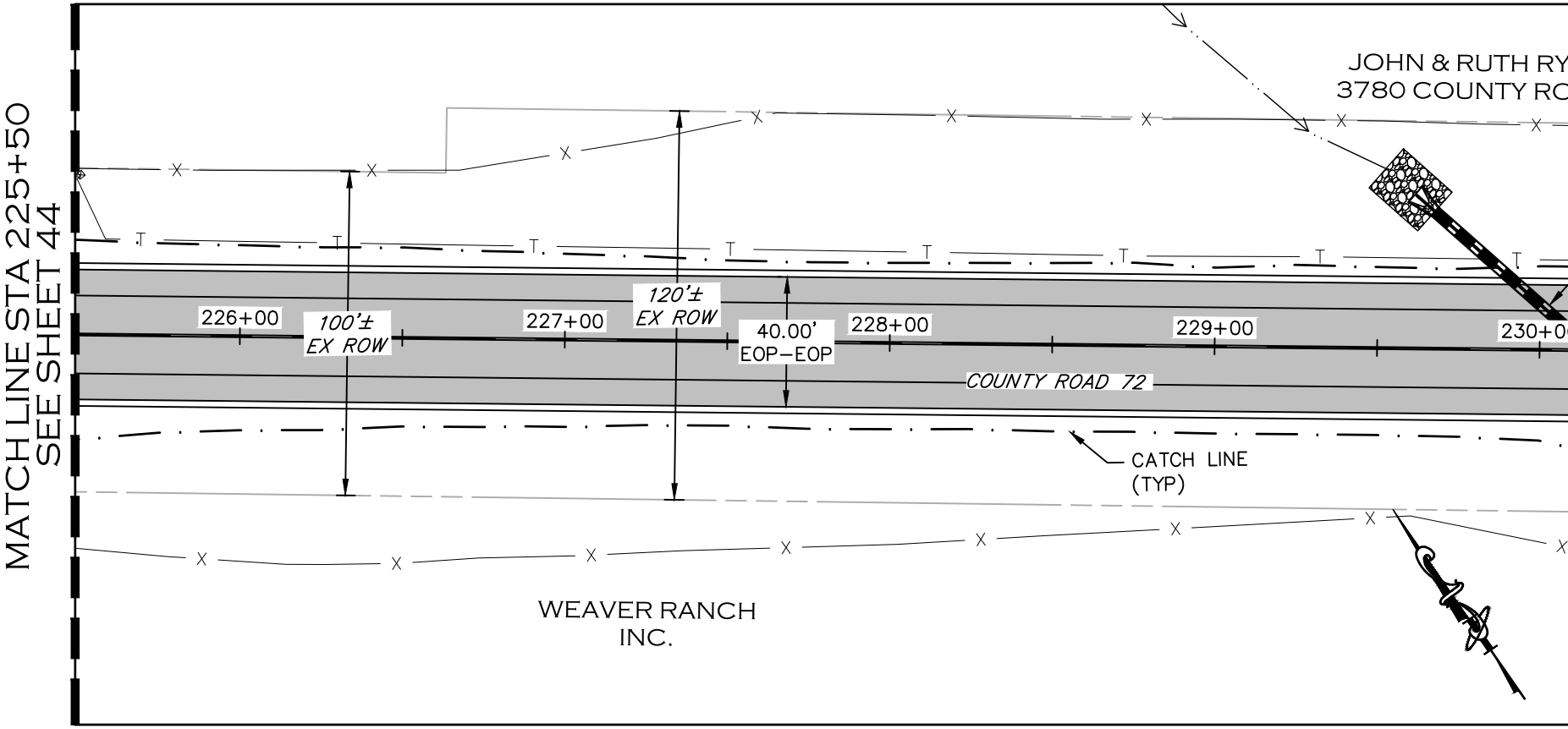

5570
5560
5550
5540
5530
5520
5510
5500
VPI STA: 205+00.00
VPI EL=5515.60
VPI STA: 206+50.00
VPI EL=5514.50
VPC STA: 208+10.00
VPC EL=5512.90
–0.73%
–1.00%

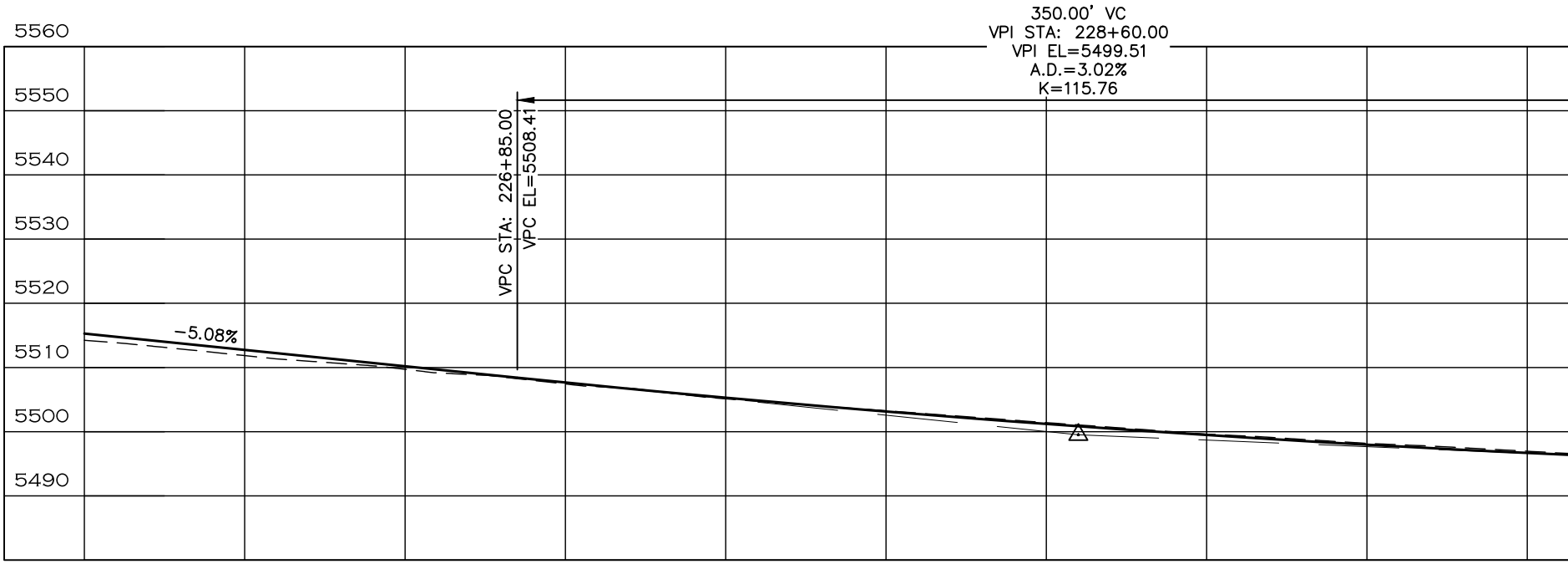

COUNTY RIGHT OF WAY
STA 213+10.60 (21' LT)
END GUARDRAIL, BEGIN
END ANCHORAGE
(FLARED) FLEAT 350
STA 213+49.30 (24' LT)
END ANCHORAGE
(FLARED) FLEAT 350
PRIVATE DRIVE
STA 215+00.73
18' DRIVEWAY
R=30'
CATCH LINE
(TYP)
180" CMP
MATCH LINE STA. 211+50
SEE SHEET 42
211+00
212+00
213+00
214+00
215+00
216+0
40.00'
EOP-EOP
COUNTY ROAD 72
PROPOSED 19"x30" RCP
STA 214+78.00
12' DRIVEWAY
STA 213+53.06 (24' RT)
END ANCHORAGE
(FLARED) FLEAT 350
EX 14' GATE
TO REMAIN
STA 213+12.66 (21' RT)
END GUARDRAIL, BEGIN
END ANCHORAGE
(FLARED) FLEAT 350
WEAVER RANCH
INC.
COUNTY RIGHT OF WAY

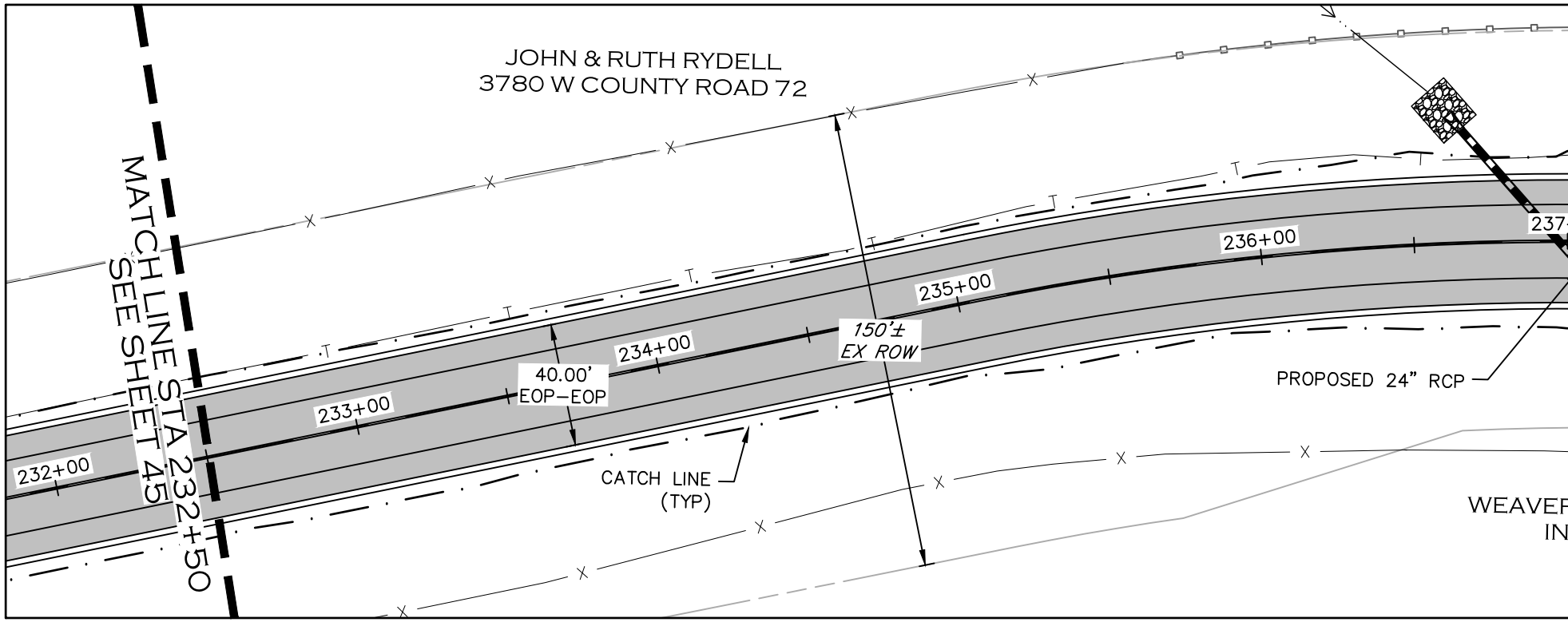

5590
5580
5570
5560
5550
5540
5530
5520
640.00' VC
VPI STA: 211+30.00
VPI EL=5509.70
A.D.=5.39%
K=118.70
VPC STA: 208+10.00
VPC EL=5512.90
VPC STA: 214+50.00
VPC EL=5523.75
19"x30" RCP CULVERT
INV=5523.9±

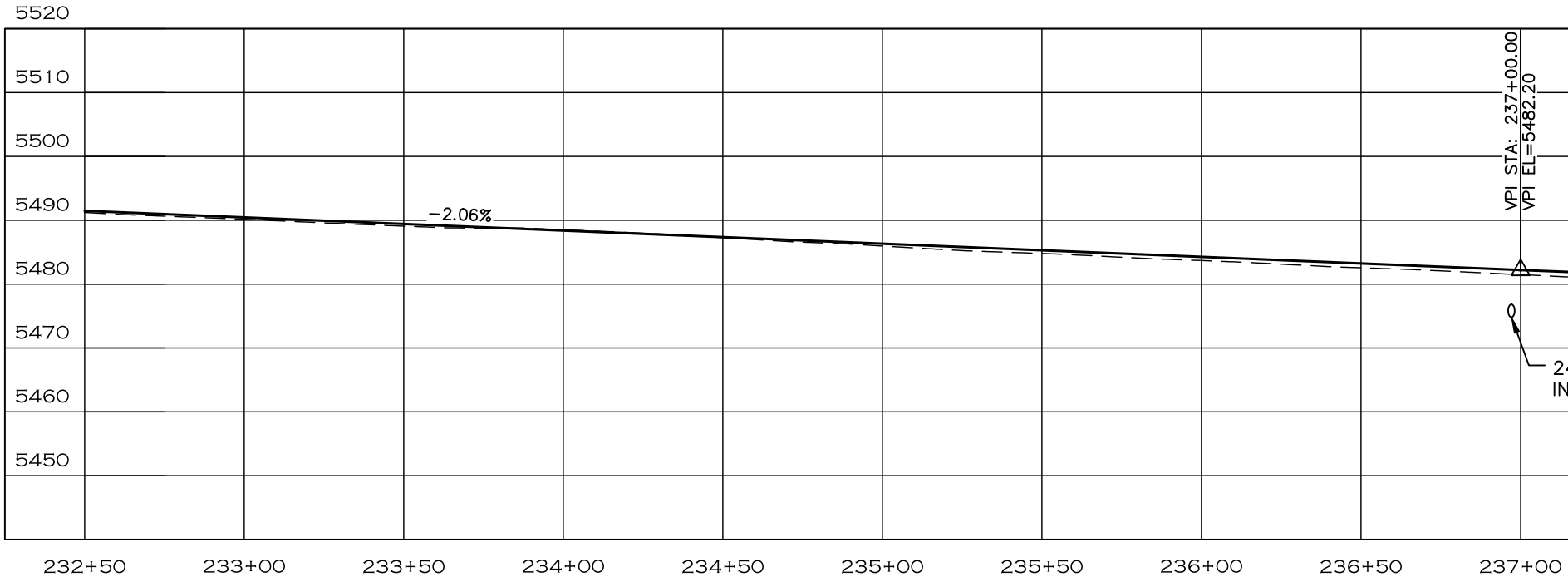

MATCH LINE STA 218+50
SEE SHEET 43
JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
NO LITTERING SIGN
219+00
220+00
221+00
222+00
223+0
110'±
EX ROW
40.00'
EOP–EOP
COUNTY ROAD 72
100'±
EX ROW
CATCH LINE
(TYP)
WEAVER RANCH
INC.

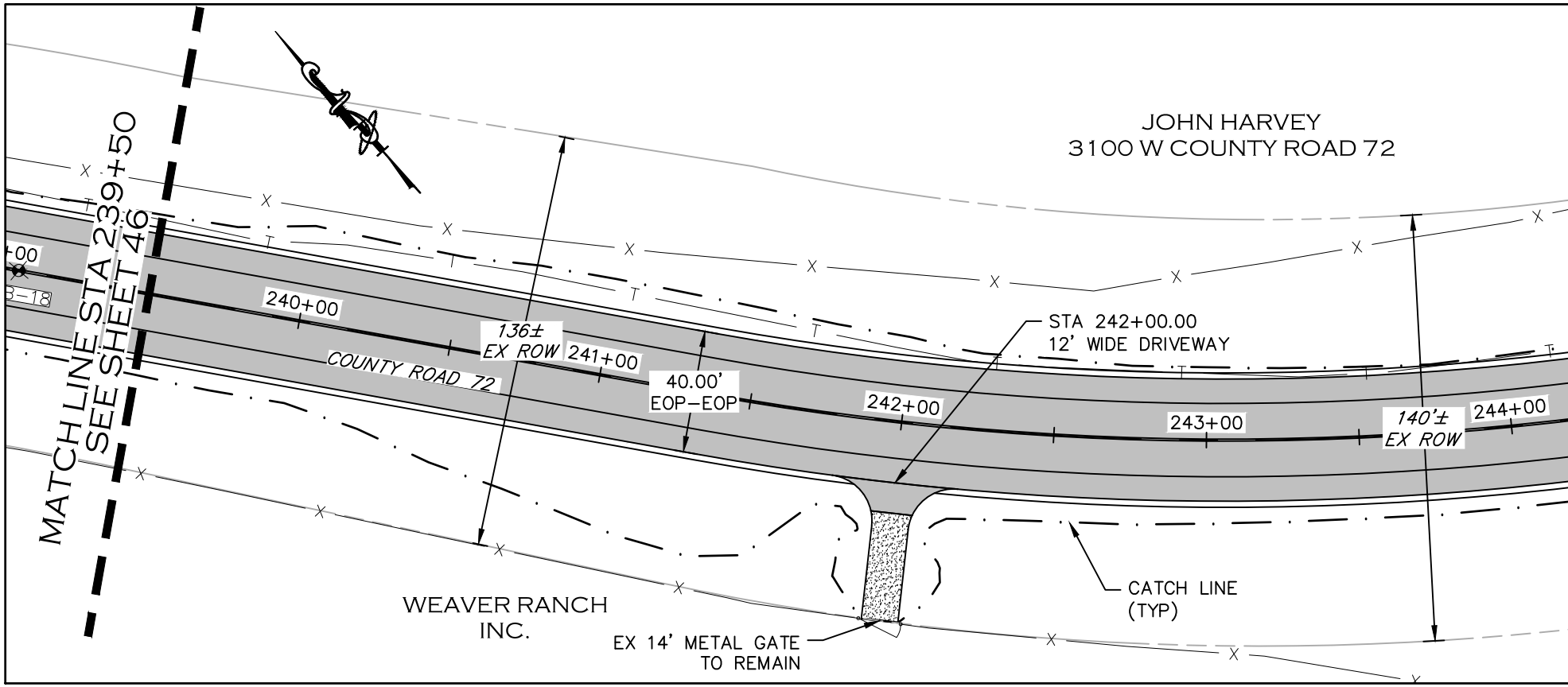

5580
5570
5560
5550
5540
5530
5520
5510
710.00' VC
VPI STA: 221+35.00
VPI EL=5536.38
A.D.=–6.12%
K=116.03
HP STA: 219+00.01
HP EL=5533.33
VPC STA: 217+80.00
VPC EL=5532.71
4'
6'±

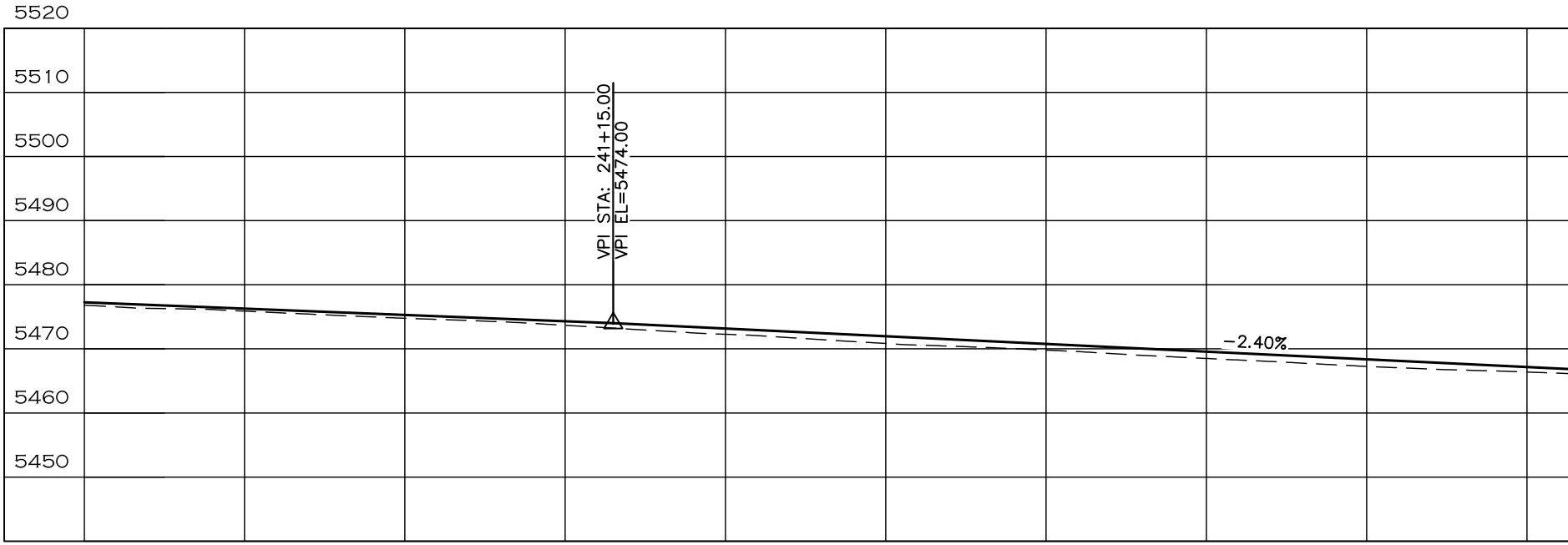

MATCH LINE STA 225+50
SEE SHEET 44
JOHN & RUTH RY
3780 COUNTY RO
226+00
100'±
EX ROW
227+00
120'±
EX ROW
40.00'
EOP–EOP
228+00
229+00
230+0
COUNTY ROAD 72
CATCH LINE
(TYP)
WEAVER RANCH
INC.

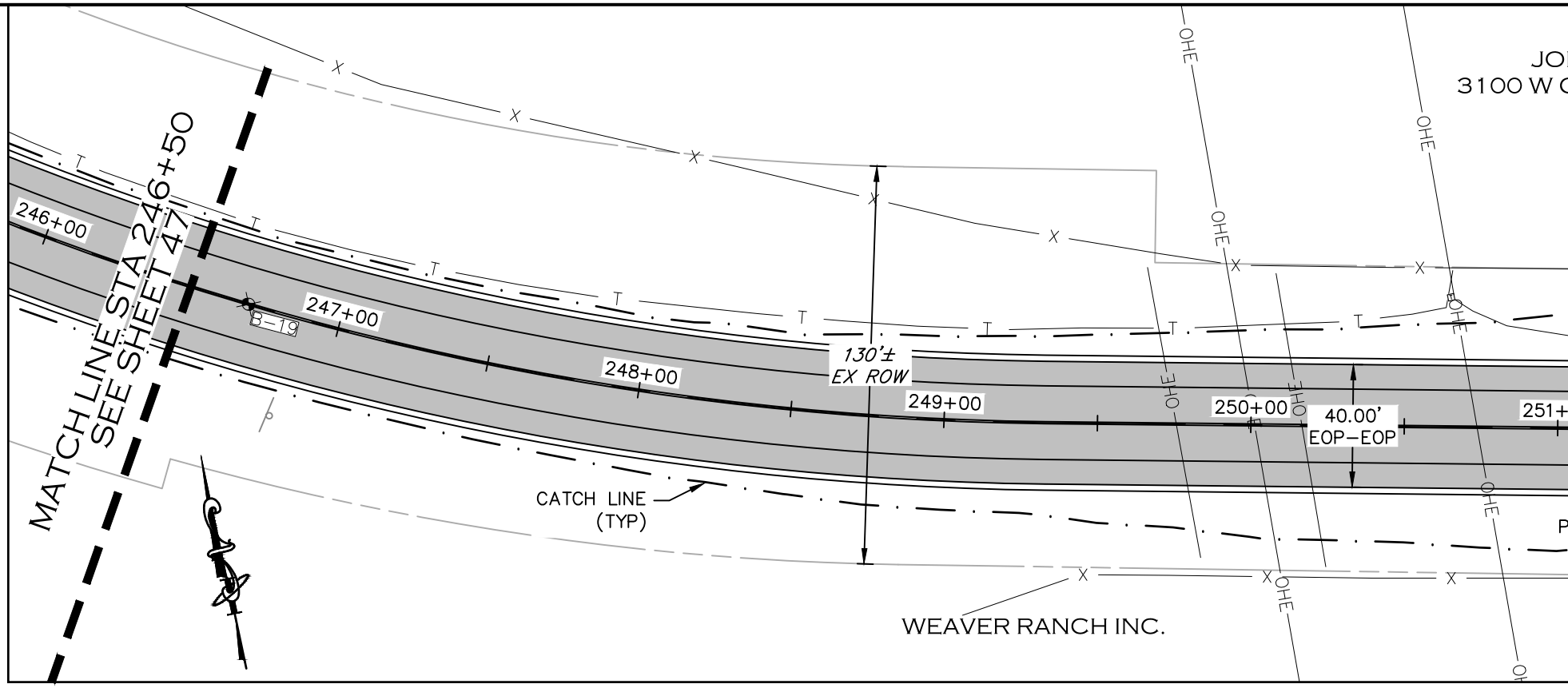

5560
5550
5540
5530
5520
5510
5500
5490
350.00' VC
VPI STA: 228+60.00
VPI EL=5499.51
A.D.=3.02%
K=115.76
VPC STA: 226+85.00
VPC EL=5508.41
-5.08%

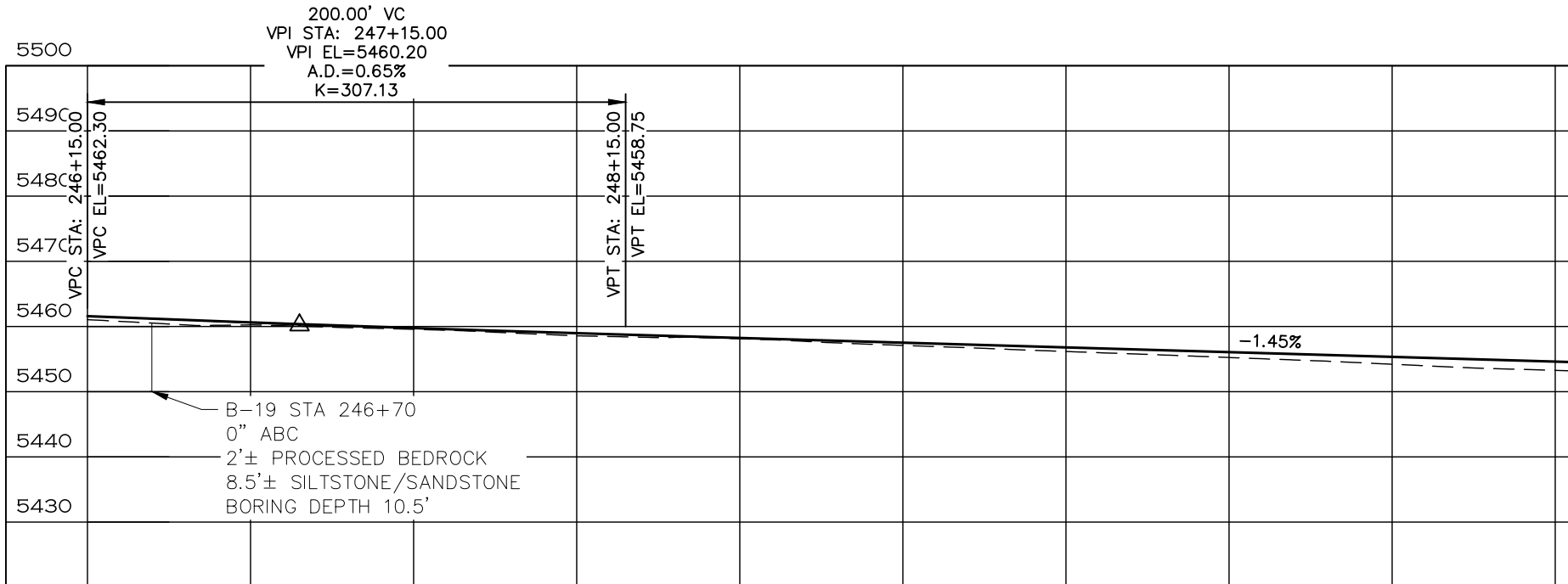

JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
MATCH LINE STA 232+50
SEE SHEET 45
232+00
233+00
234+00
235+00
236+00
40.00'
EOP–EOP
150'±
EX ROW
CATCH LINE
(TYP)
PROPOSED 24" RCP
WEAVER
IN

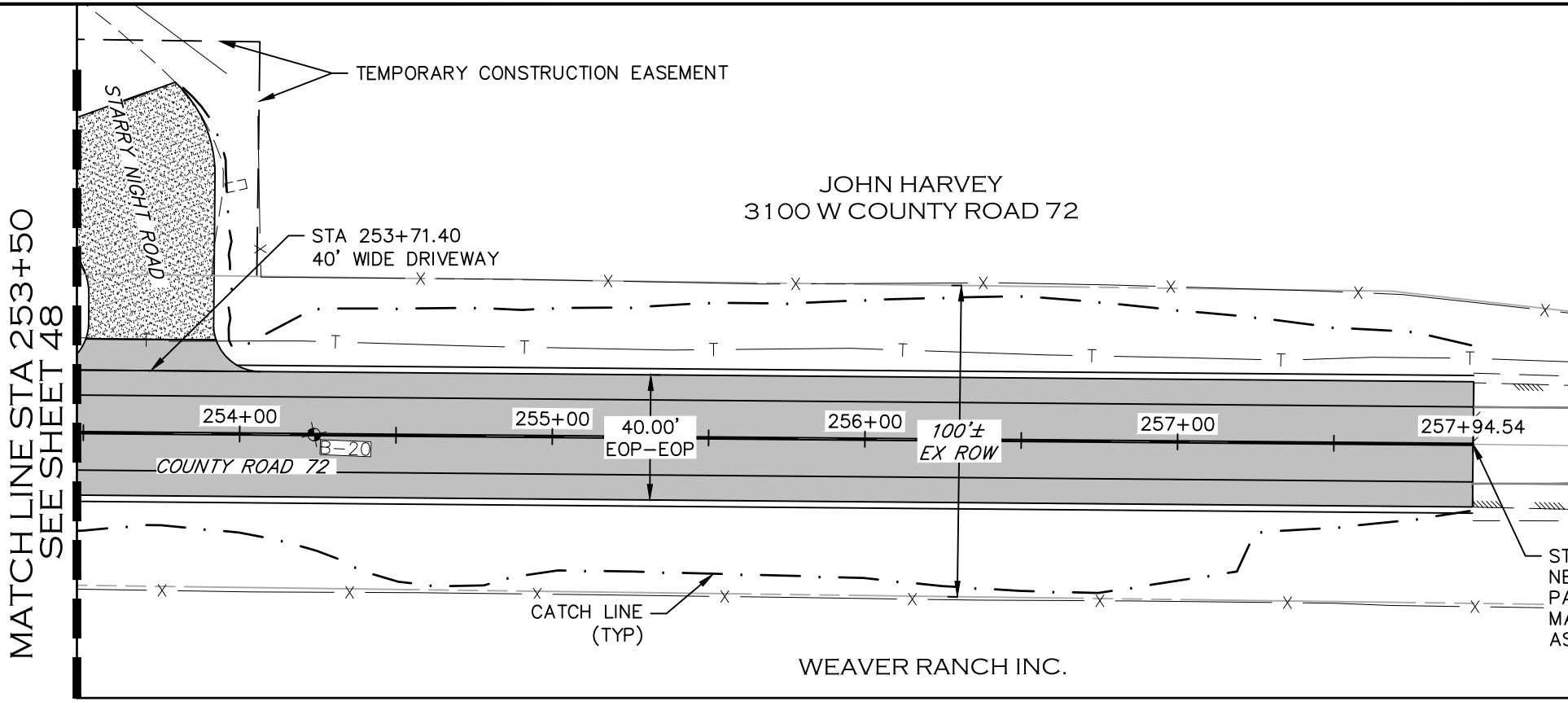

5520
5510
5500
5490
5480
5470
5460
5450
–2.06%
VPI STA: 237+00.00
VPI EL=5482.20
232+50
233+00
233+50
234+00
234+50
235+00
235+50
236+00
236+50
237+00

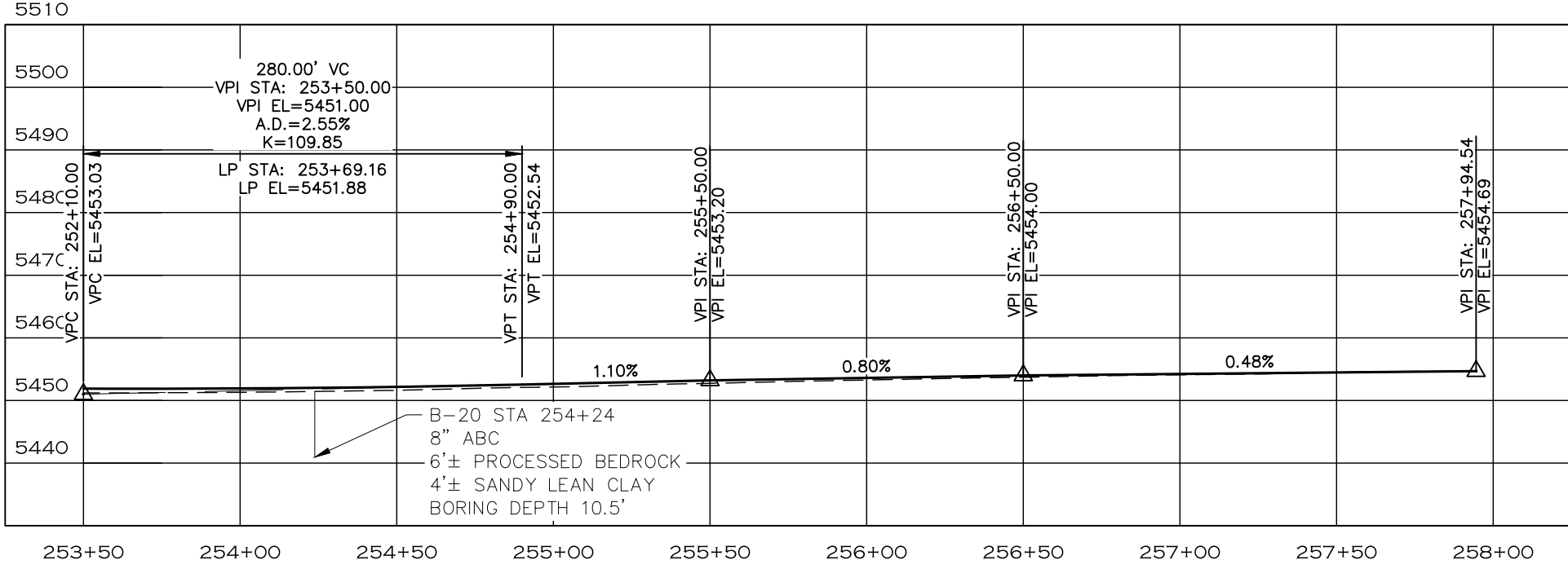

JOHN HARVEY
3100 W COUNTY ROAD 72
MATCH LINE STA 239+50
SEE SHEET 46
240+00
136±
EX ROW
241+00
COUNTY ROAD 72
40.00'
EOP–EOP
242+00
243+00
140'±
EX ROW
244+00
STA 242+00.00
12' WIDE DRIVEWAY
CATCH LINE
(TYP)
WEAVER RANCH
INC.
EX 14' METAL GATE
TO REMAIN

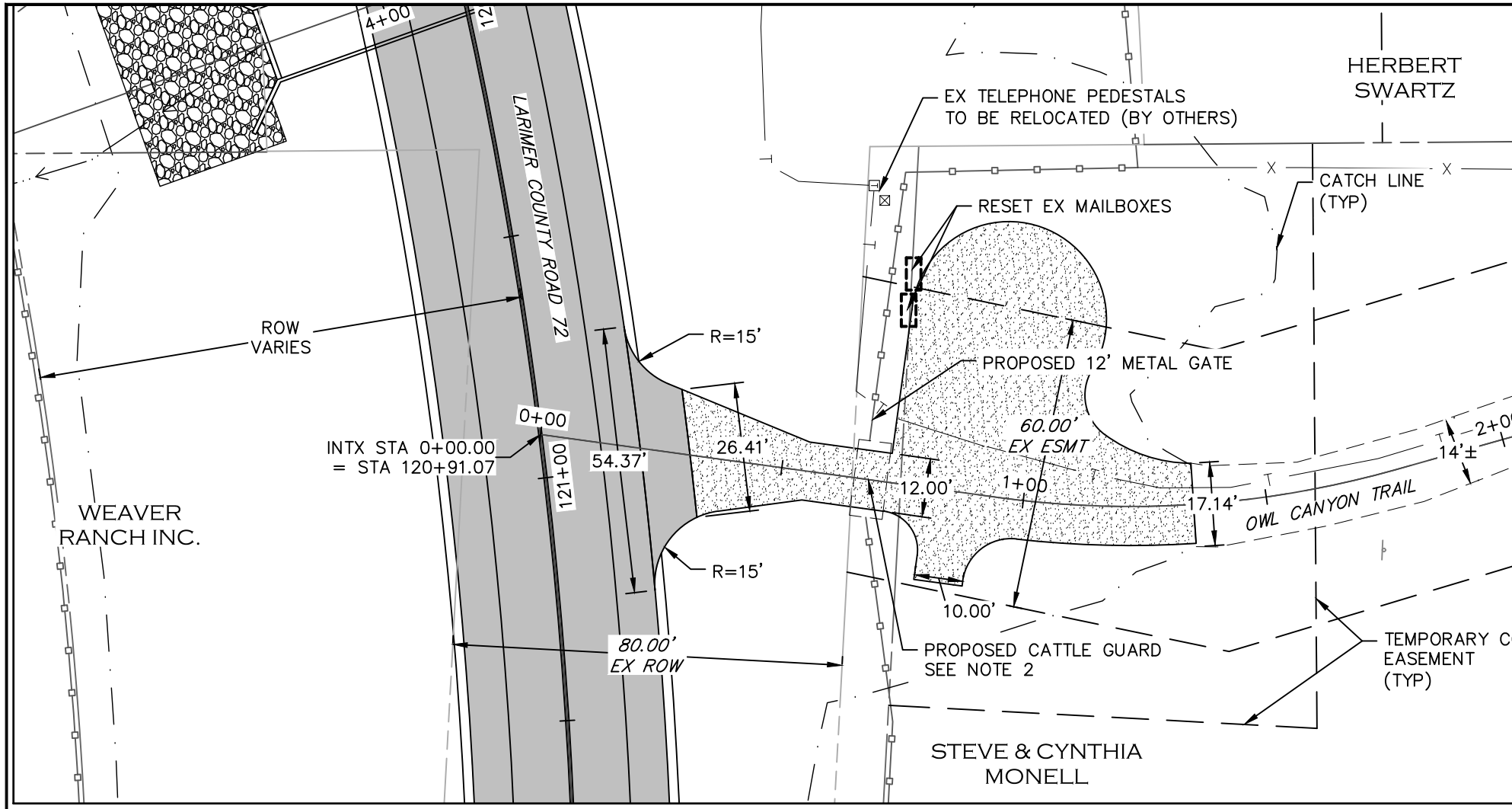

5520
5510
5500
5490
5480
5470
5460
5450
VPI STA: 241+15.00
VPI EL=5474.00
-2.40%

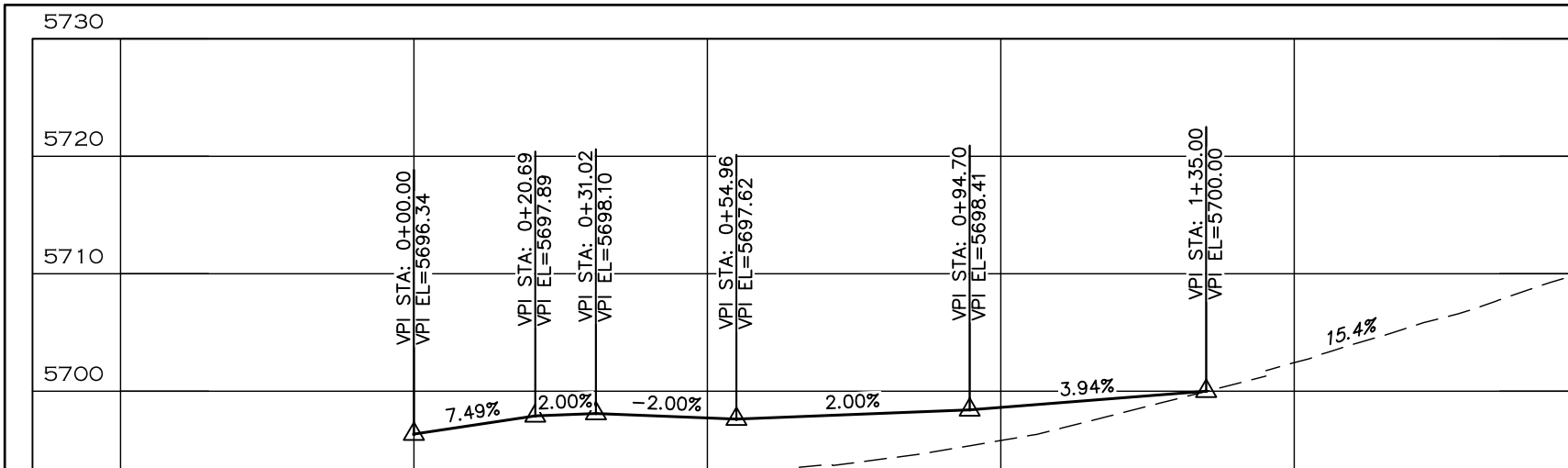

MATCH LINE STA 246+50
SEE SHEET 47
246+00
247+00
B-19
248+00
249+00
250+00
130'±
EX ROW
40.00'
EOP-EOP
CATCH LINE
(TYP)
WEAVER RANCH INC.
OHE
X
T

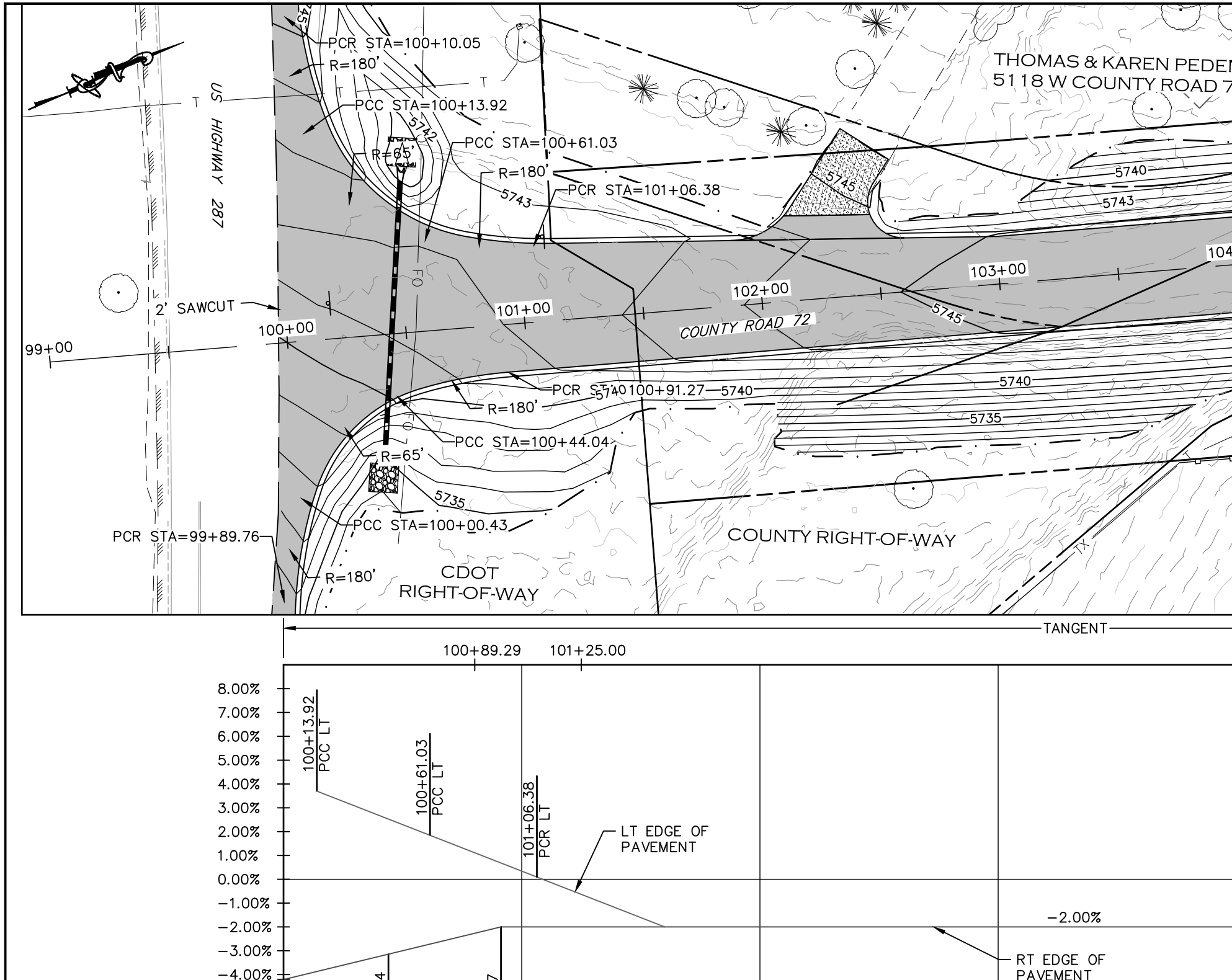

200.00' VC
VPI STA: 247+15.00
VPI EL=5460.20
A.D.=0.65%
K=307.13
5500
5490
5480
5470
5460
5450
5440
5430
VPC STA: 246+15.00
VPC EL=5462.30
VPT STA: 248+15.00
VPT EL=5458.75
-1.45%
B-19 STA 246+70
0" ABC
2'± PROCESSED BEDROCK
8.5'± SILTSTONE/SANDSTONE
BORING DEPTH 10.5'

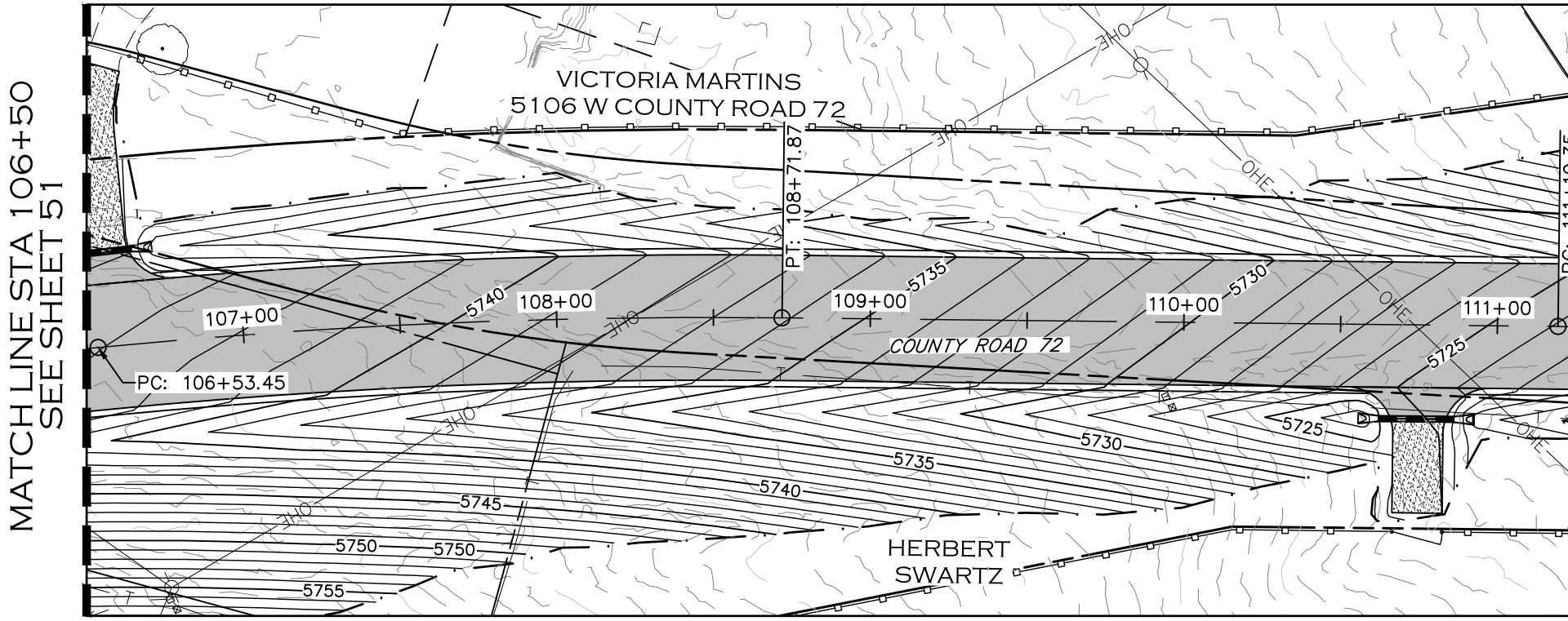

TEMPORARY CONSTRUCTION EASEMENT
STARRY NIGHT ROAD
JOHN HARVEY
3100 W COUNTY ROAD 72
STA 253+71.40
40' WIDE DRIVEWAY
MATCH LINE STA 253+50
SEE SHEET 48
254+00
255+00
40.00'
EOP–EOP
256+00
100'±
EX ROW
257+00
257+94.54
B–20
COUNTY ROAD 72
CATCH LINE
(TYP)
WEAVER RANCH INC.

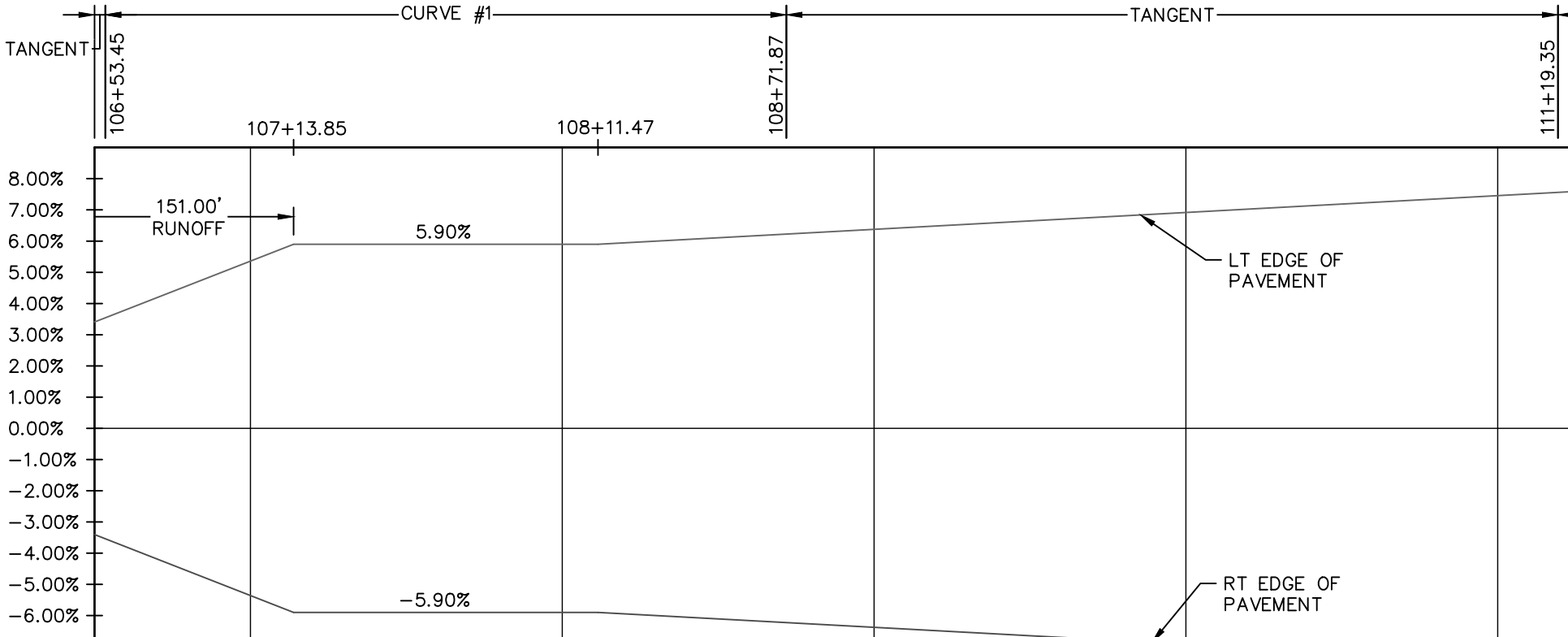

5510
5500
5490
5480
5470
5460
5450
5440
280.00' VC
VPI STA: 253+50.00
VPI EL=5451.00
A.D.=2.55%
K=109.85
LP STA: 253+69.16
LP EL=5451.88
VPC STA: 252+10.00
VPC EL=5453.03
VPT STA: 254+90.00
VPT EL=5452.54
VPI STA: 255+50.00
VPI EL=5453.20
VPI STA: 256+50.00
VPI EL=5454.00
VPI STA: 257+94.54
VPI EL=5454.69
1.10%
0.80%
0.48%
B–20 STA 254+24
8" ABC
6'± PROCESSED BEDROCK
4'± SANDY LEAN CLAY
BORING DEPTH 10.5'
253+50
254+00
254+50
255+00
255+50
256+00
256+50
257+00
257+50
258+00

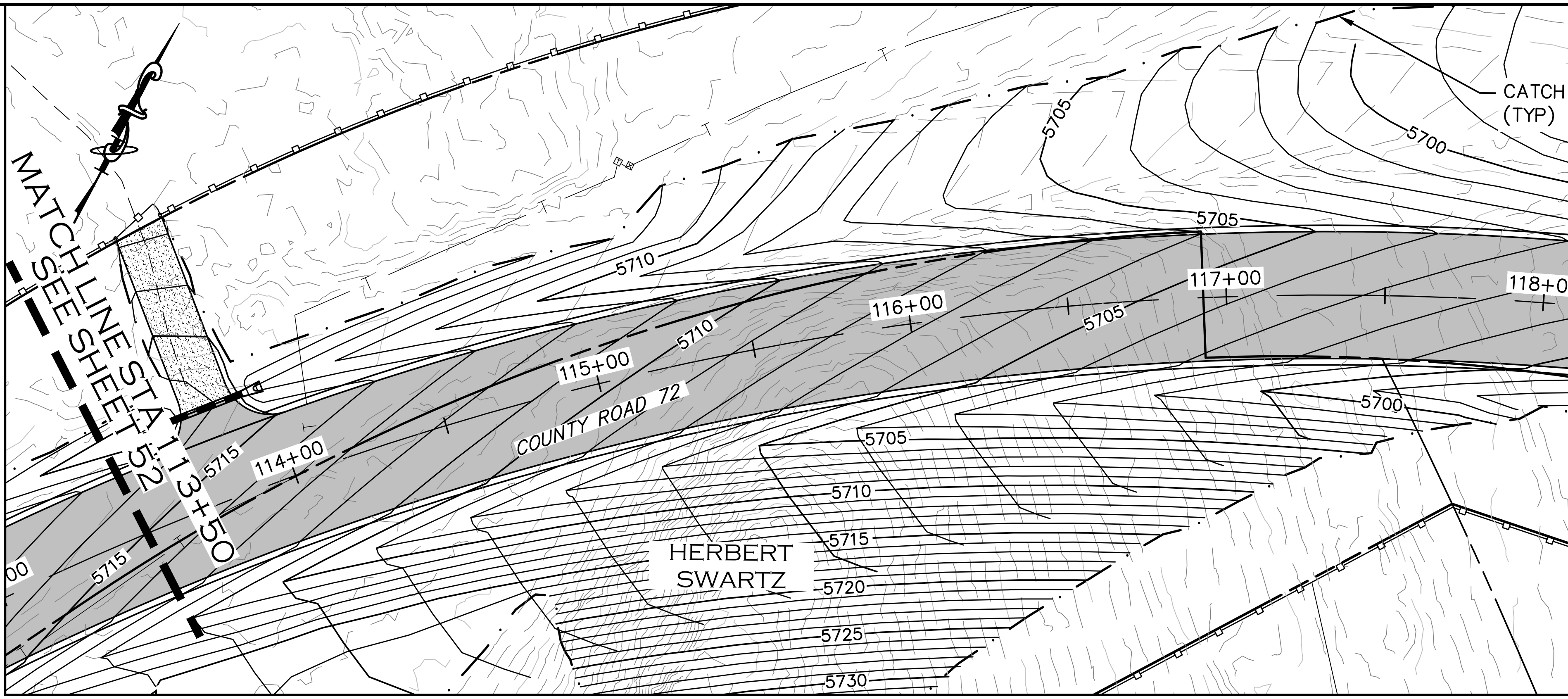

HERBERT SWARTZ
EX TELEPHONE PEDESTALS TO BE RELOCATED (BY OTHERS)
CATCH LINE (TYP)
RESET EX MAILBOXES
LARIMER COUNTY ROAD 72
ROW VARIES
R=15'
PROPOSED 12' METAL GATE
60.00' EX ESMT
0+00
INTX STA 0+00.00 = STA 120+91.07
121+00
54.37'
26.41'
12.00'
1+00
17.14'
14'±
OWL CANYON TRAIL
WEAVER RANCH INC.
R=15'
10.00'
80.00' EX ROW
PROPOSED CATTLE GUARD SEE NOTE 2
TEMPORARY C EASEMENT (TYP)
STEVE & CYNTHIA MONELL

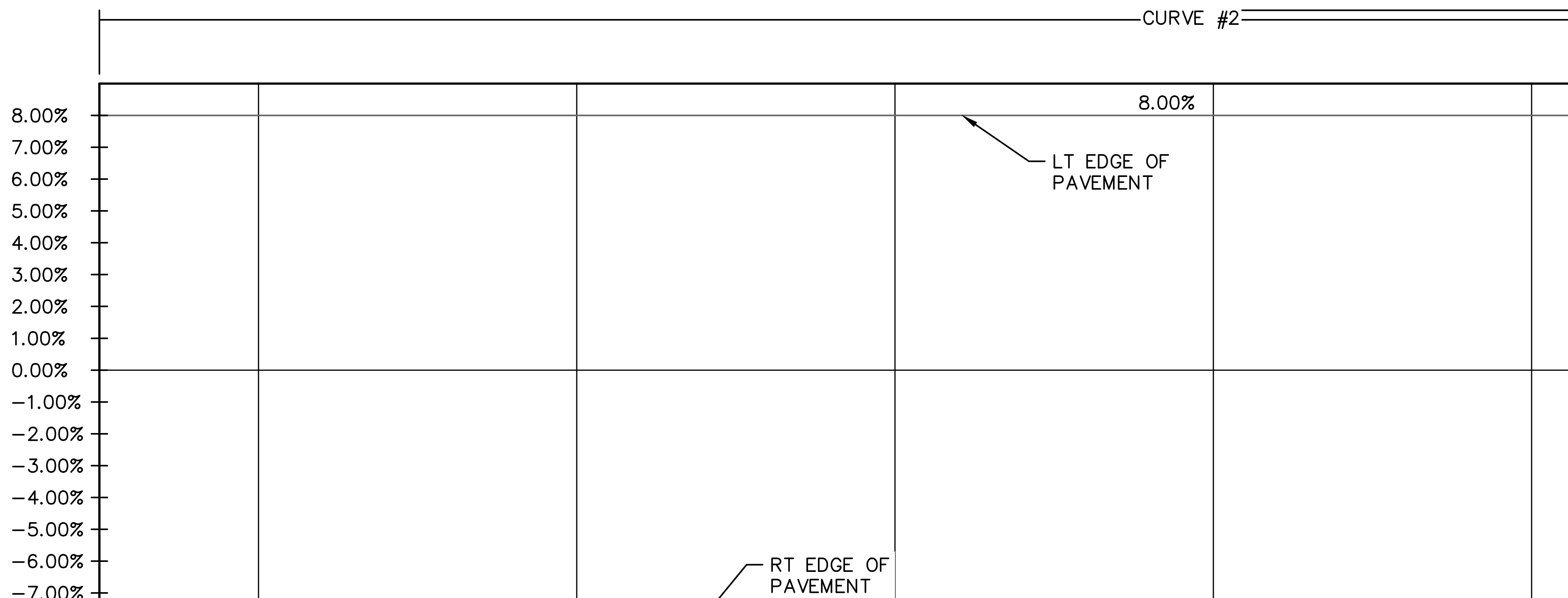

5730
5720
5710
5700
VPI STA: 0+00.00
VPI EL=5696.34
VPI STA: 0+20.69
VPI EL=5697.89
VPI STA: 0+31.02
VPI EL=5698.10
VPI STA: 0+54.96
VPI EL=5697.62
VPI STA: 0+94.70
VPI EL=5698.41
VPI STA: 1+35.00
VPI EL=5700.00
7.49%
2.00%
-2.00%
2.00%
3.94%
15.4%

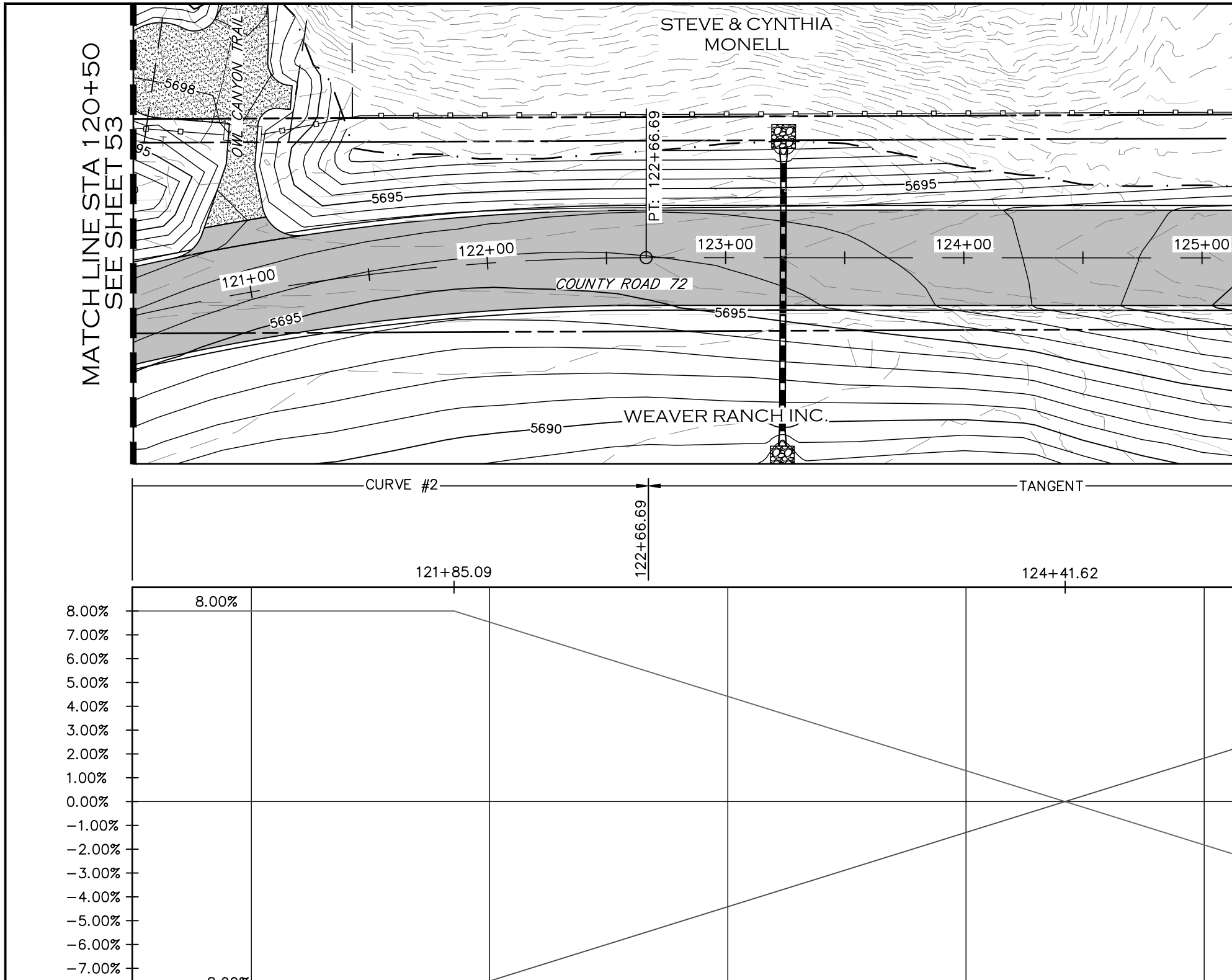

US HIGHWAY 287
PCR STA=100+10.05
R=180'
PCC STA=100+13.92
R=65'
PCC STA=100+61.03
R=180'
PCR STA=101+06.38
THOMAS & KAREN PEDEN
5118 W COUNTY ROAD 7
2' SAWCUT
99+00
100+00
101+00
102+00
103+00
COUNTY ROAD 72
PCR STA=100+91.27
R=180'
PCC STA=100+44.04
R=65'
PCC STA=100+00.43
PCR STA=99+89.76
R=180'
CDOT
RIGHT-OF-WAY
COUNTY RIGHT-OF-WAY
5740
5743
5745
5735
TANGENT
100+89.29
101+25.00
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
100+13.92
PCC LT
100+61.03
PCC LT
101+06.38
PCR LT
LT EDGE OF
PAVEMENT
−2.00%
RT EDGE OF
PAVEMENT

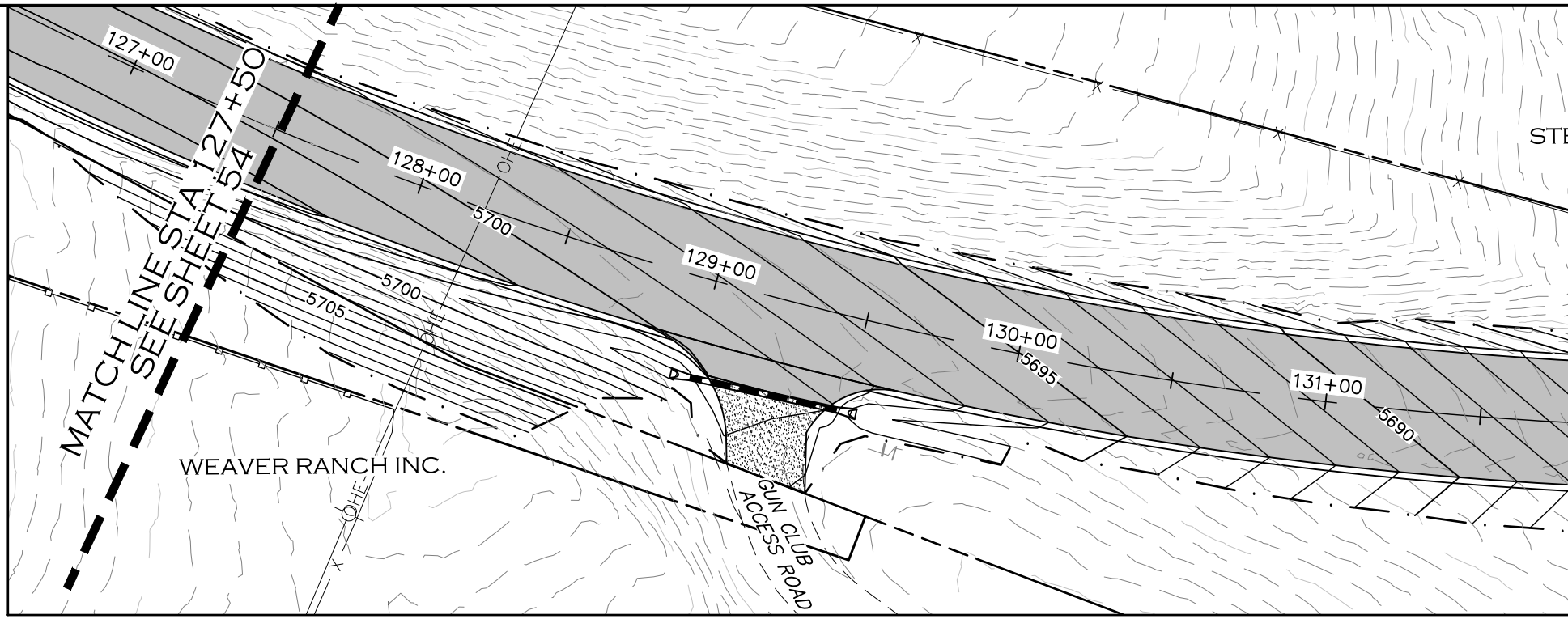

MATCH LINE STA 106+50
SEE SHEET 51
VICTORIA MARTINS
5106 W COUNTY ROAD 72
PT: 108+71.87
107+00
108+00
109+00
110+00
111+00
PC: 106+53.45
COUNTY ROAD 72
5740
5735
5730
5725
5745
5750
5755
OHE
HERBERT
SWARTZ

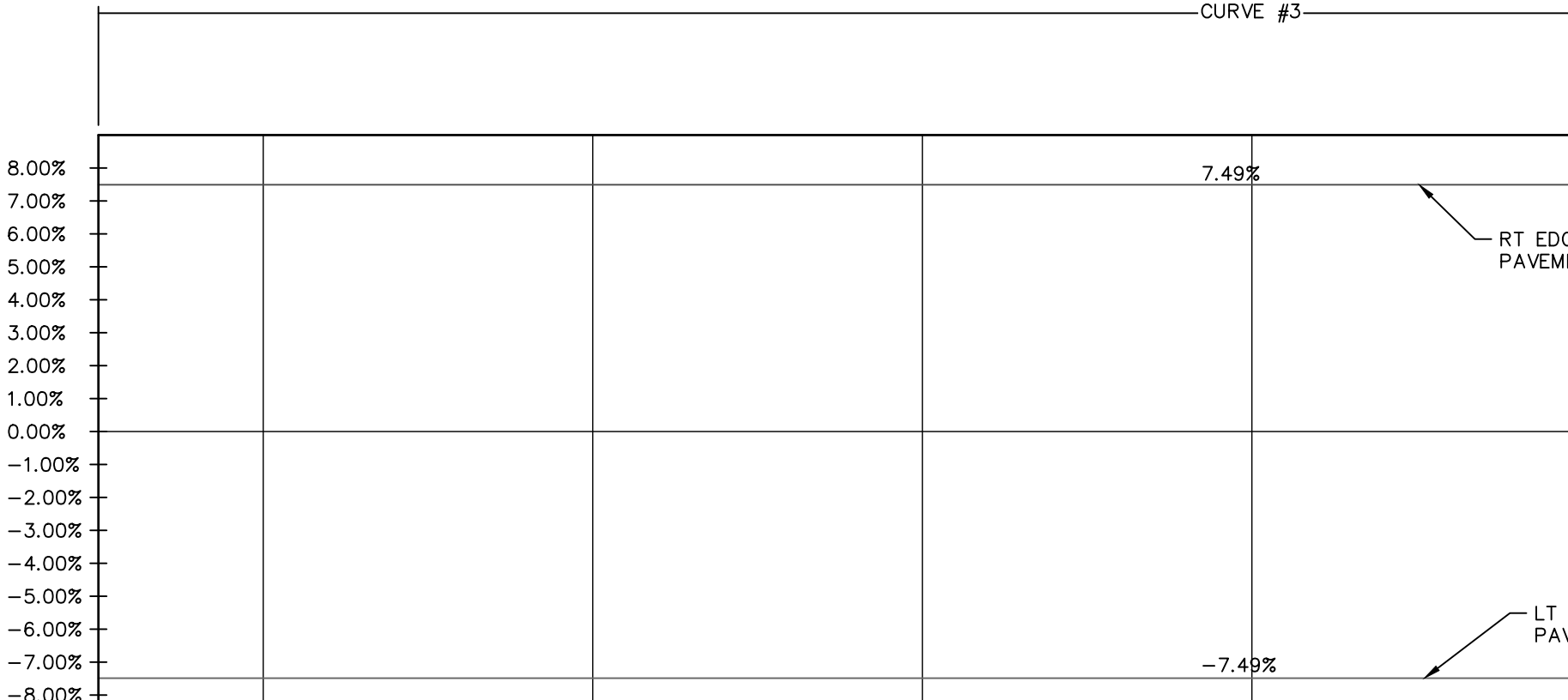

TANGENT
CURVE #1
TANGENT
106+53.45
108+71.87
111+19.35
107+13.85
108+11.47
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
151.00'
RUNOFF
5.90%
−5.90%
LT EDGE OF
PAVEMENT
RT EDGE OF
PAVEMENT

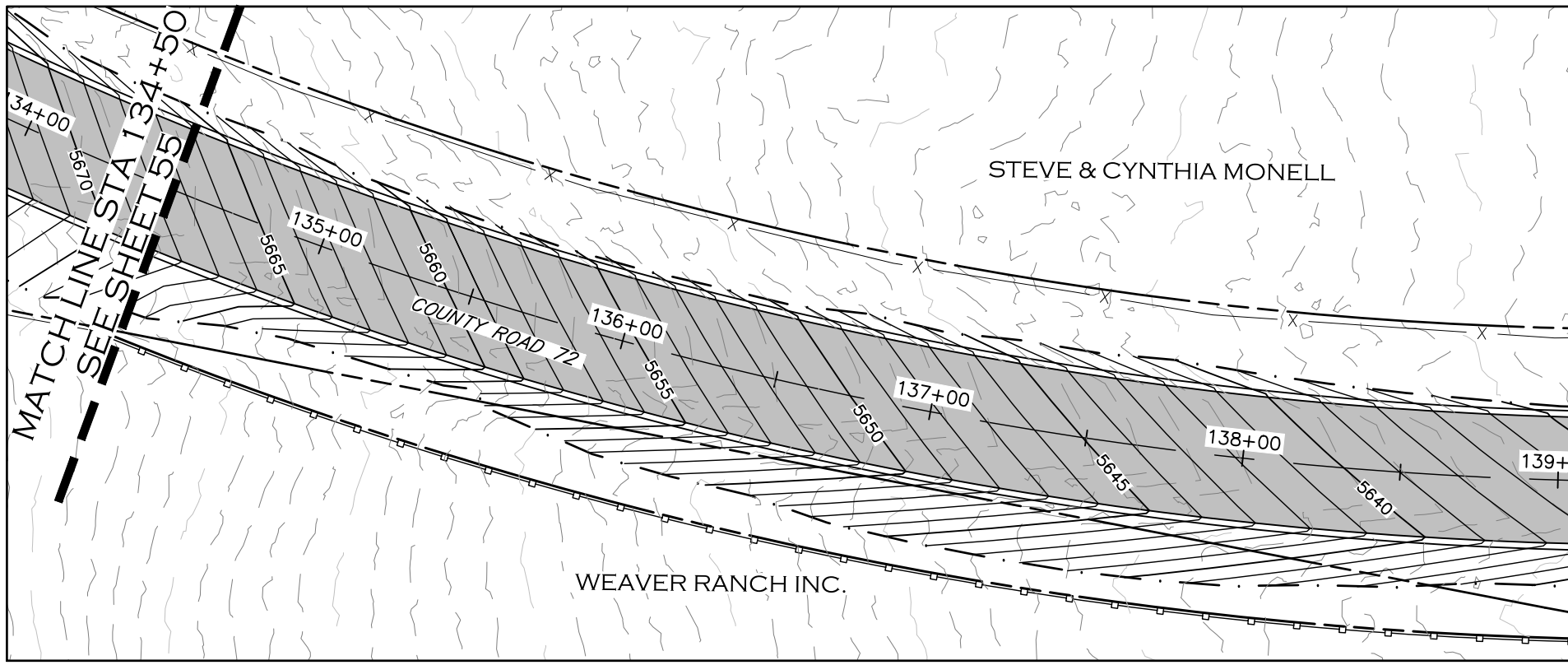

MATCH LINE STA 113+50
SEE SHEET 52
CATCH
(TYP)
COUNTY ROAD 72
HERBERT
SWARTZ
114+00
115+00
116+00
117+00
118+00
5700
5705
5710
5715
5720
5725
5730

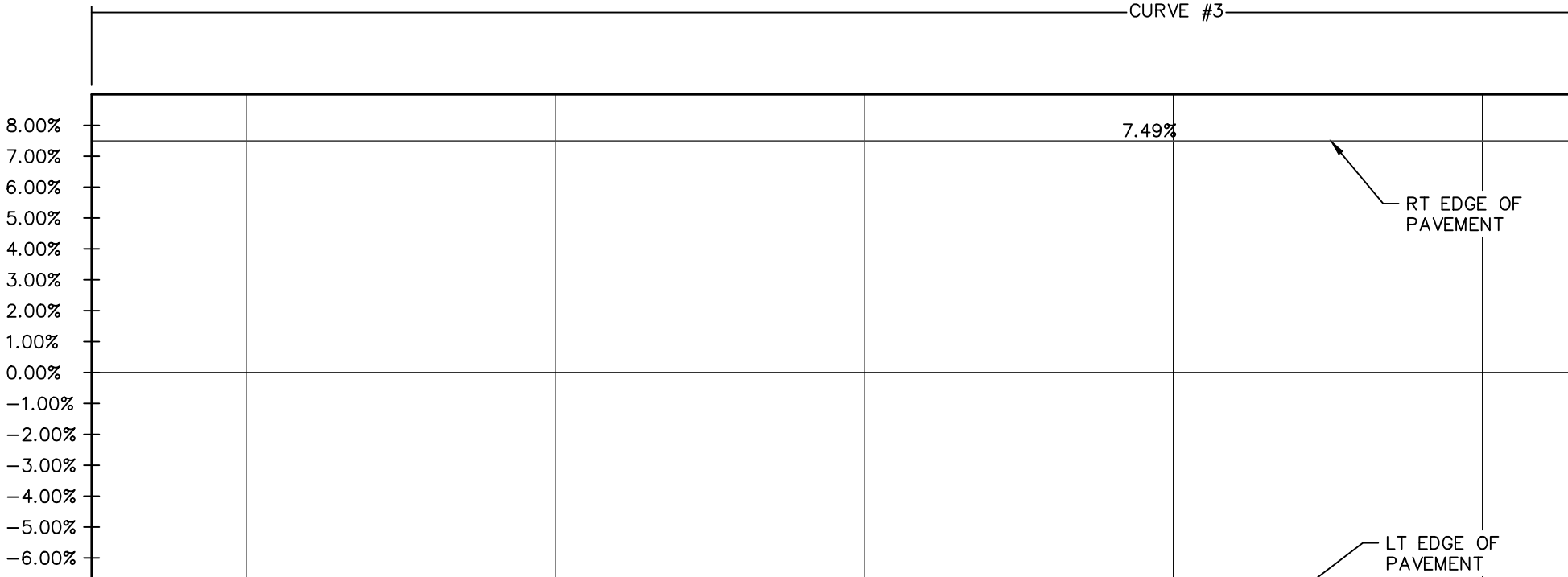

CURVE #2
8.00%
LT EDGE OF
PAVEMENT
RT EDGE OF
PAVEMENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−7.00%

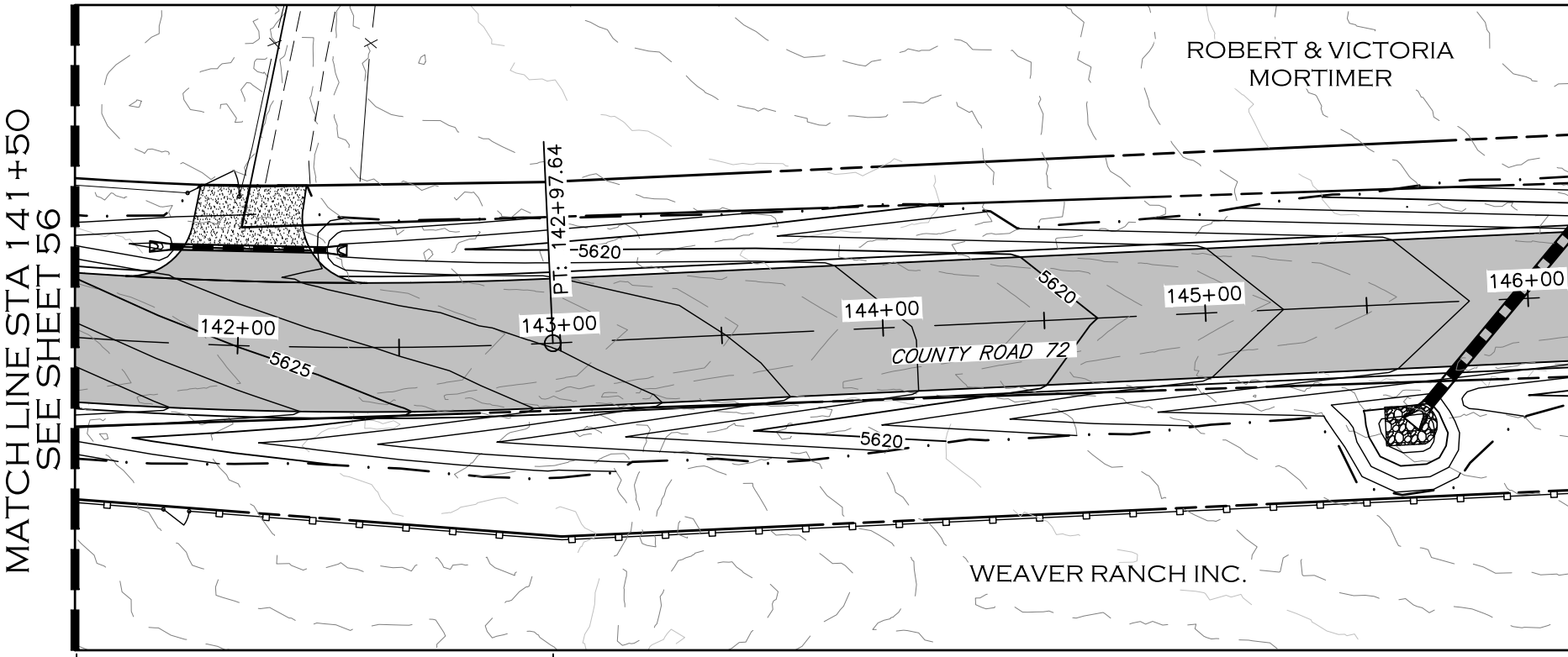

MATCH LINE STA 120+50
SEE SHEET 53
STEVE & CYNTHIA
MONELL
OWL CANYON TRAIL
5698
95
5695
PT: 122+66.69
122+00
123+00
124+00
125+00
121+00
COUNTY ROAD 72
5695
5695
5690
WEAVER RANCH INC.
CURVE #2
TANGENT
122+66.69
121+85.09
124+41.62
8.00%
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−7.00%

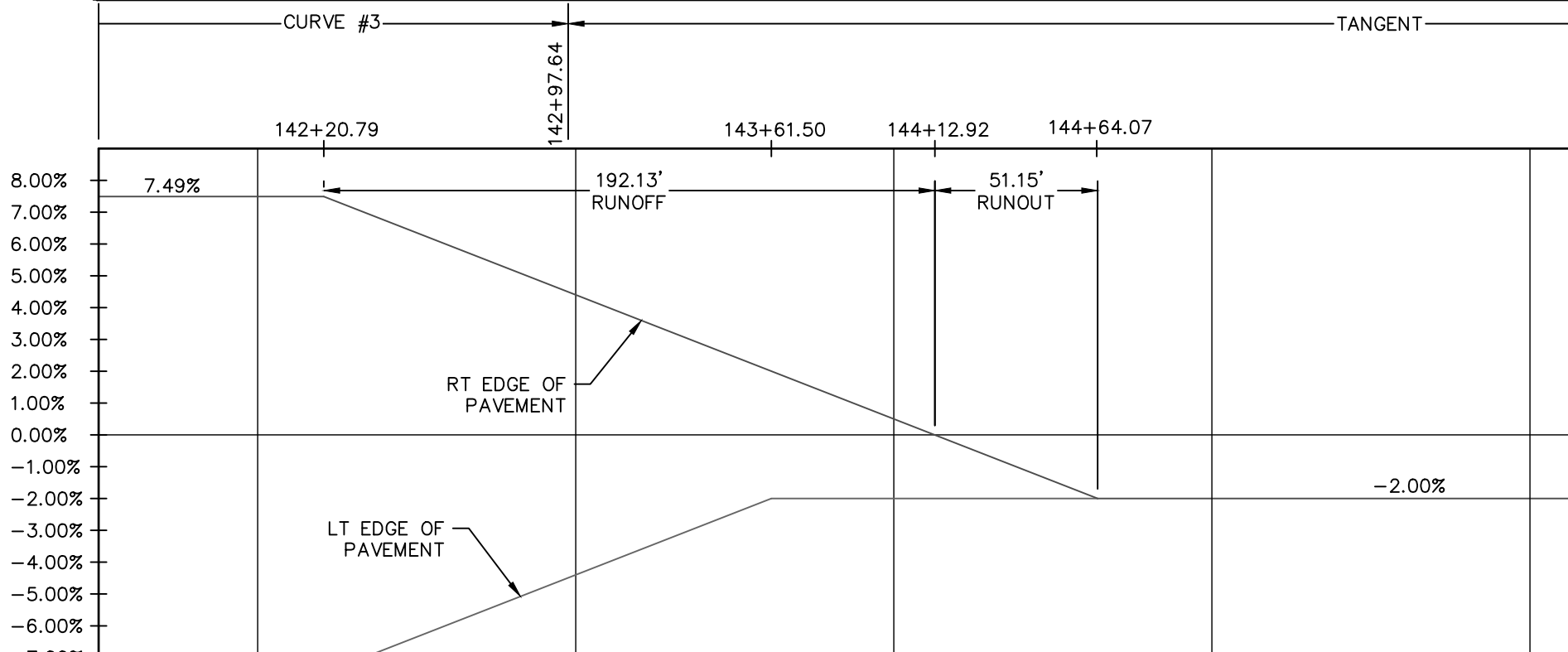

127+00
128+00
129+00
130+00
131+00
5700
5705
5695
5690
MATCH LINE STA 127+50
SEE SHEET 54
WEAVER RANCH INC.
GUN CLUB ACCESS ROAD
OHE
STE

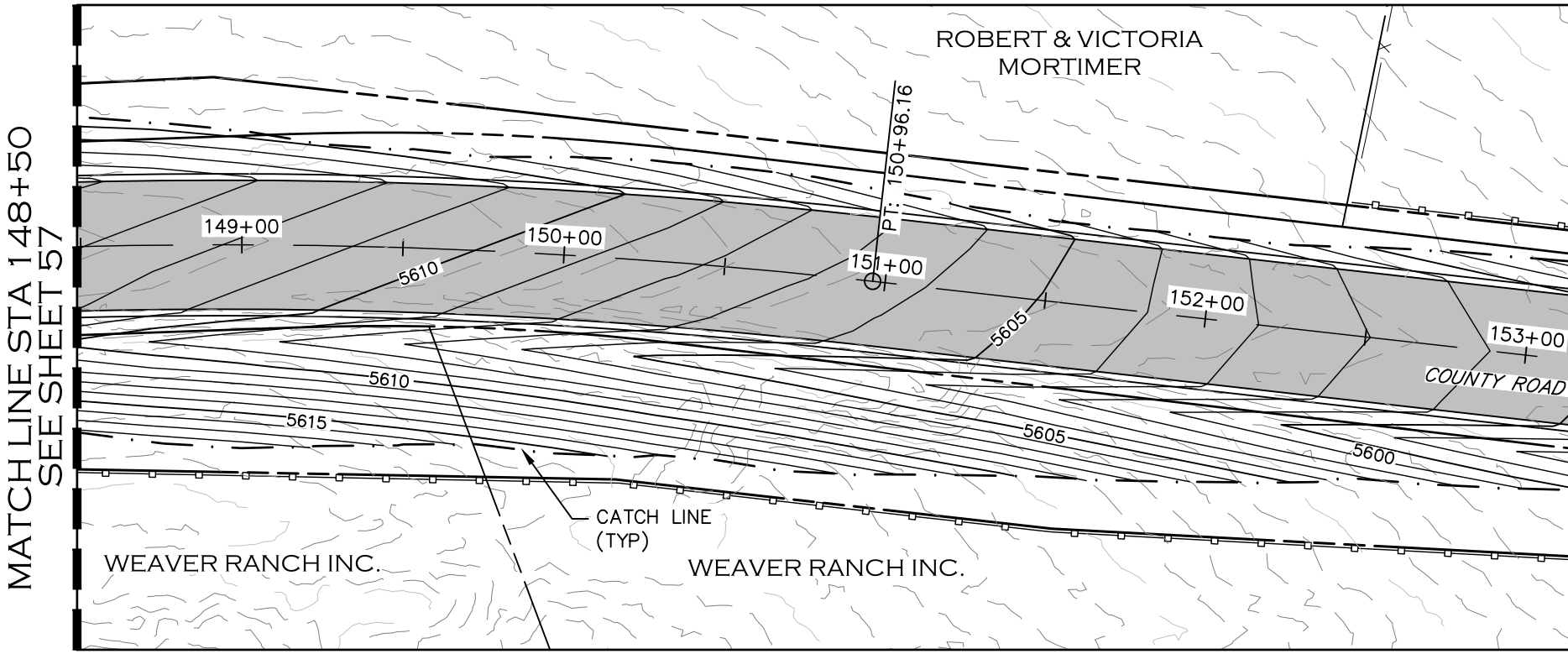

CURVE #3
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−7.00%
−8.00%
7.49%
−7.49%
RT EDG
PAVEM
LT
PAV

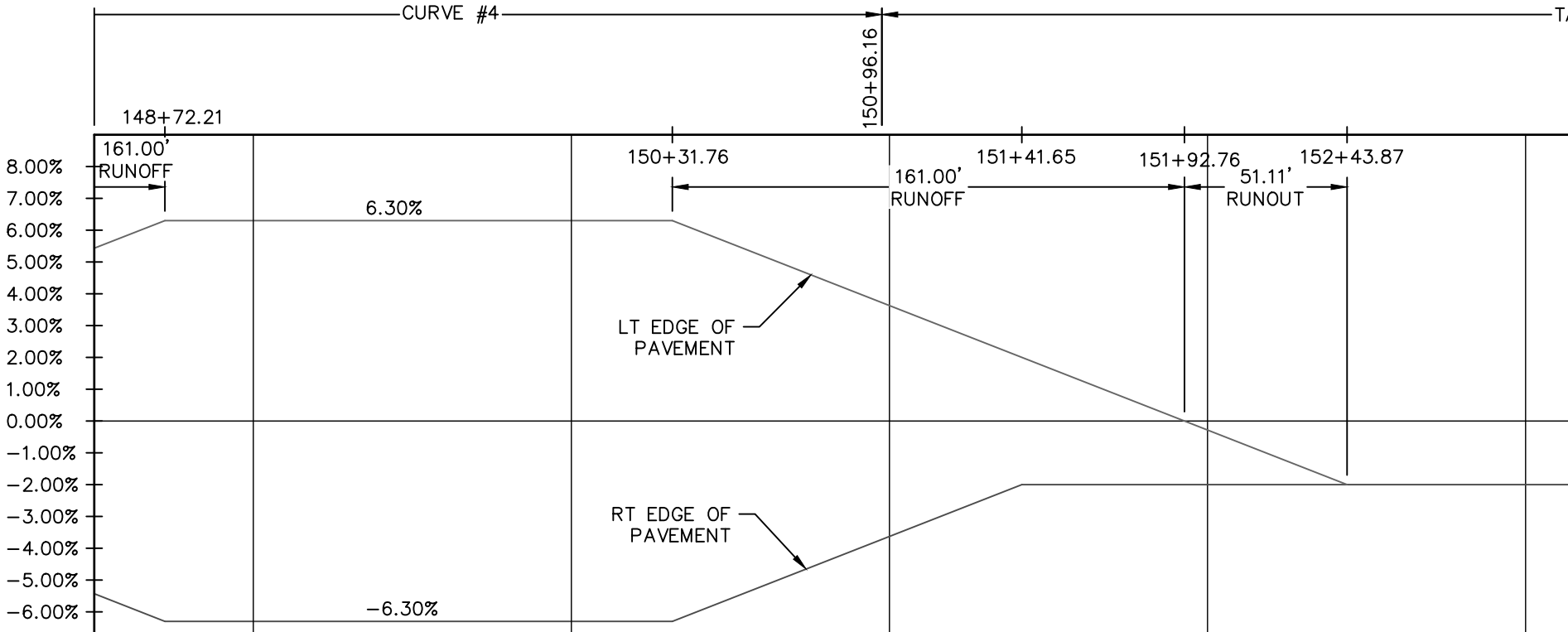

MATCH LINE STA 134+50
SEE SHEET 55
134+00
5670
135+00
5665
5660
COUNTY ROAD 72
136+00
5655
5650
137+00
5645
138+00
5640
139+
STEVE & CYNTHIA MONELL
WEAVER RANCH INC.

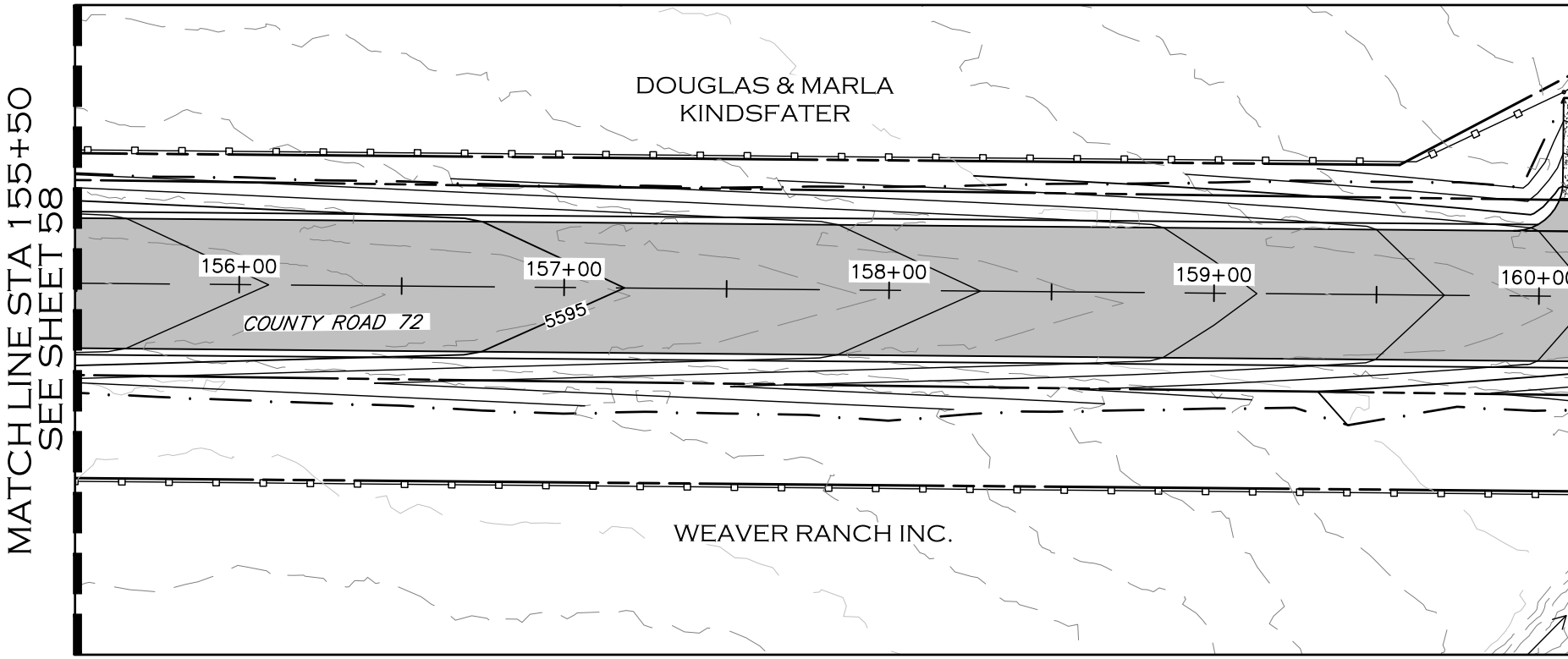

CURVE #3
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
7.49%
RT EDGE OF PAVEMENT
LT EDGE OF PAVEMENT

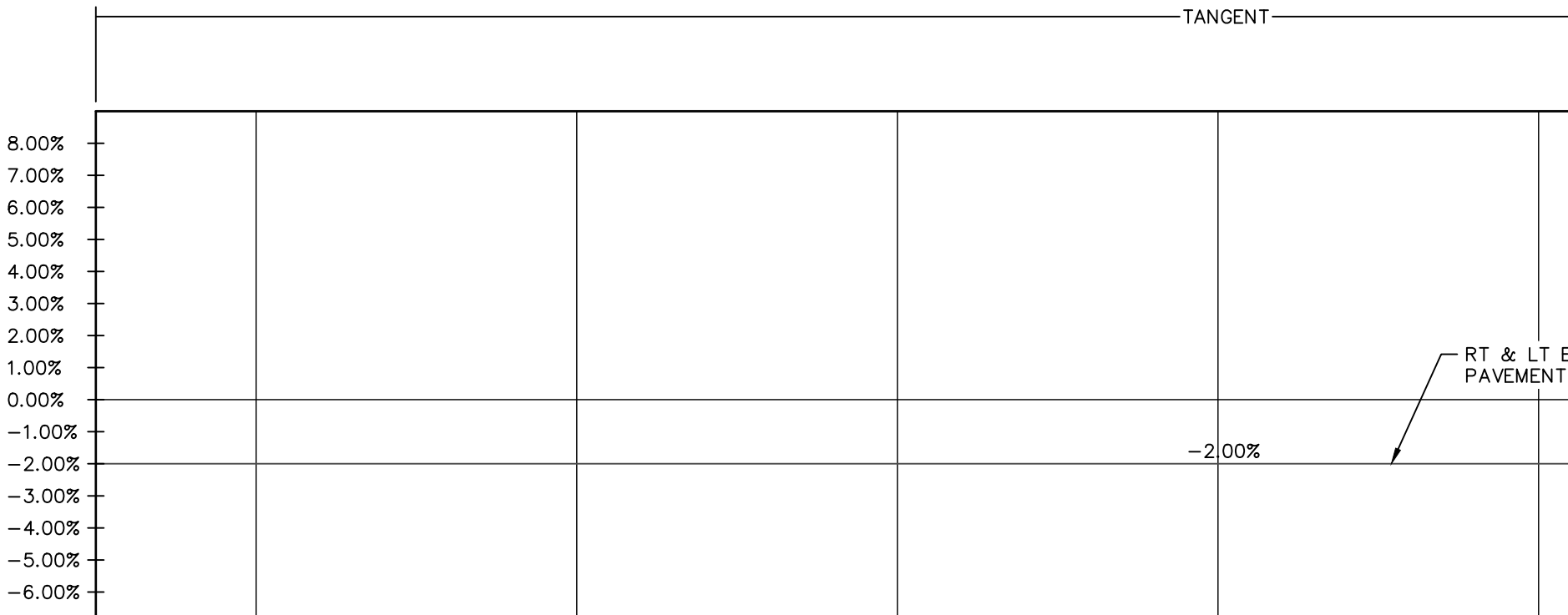

MATCH LINE STA 141+50
SEE SHEET 56
ROBERT & VICTORIA
MORTIMER
PT: 142+97.64
5620
142+00
5625
143+00
144+00
5620
145+00
146+00
COUNTY ROAD 72
5620
WEAVER RANCH INC.

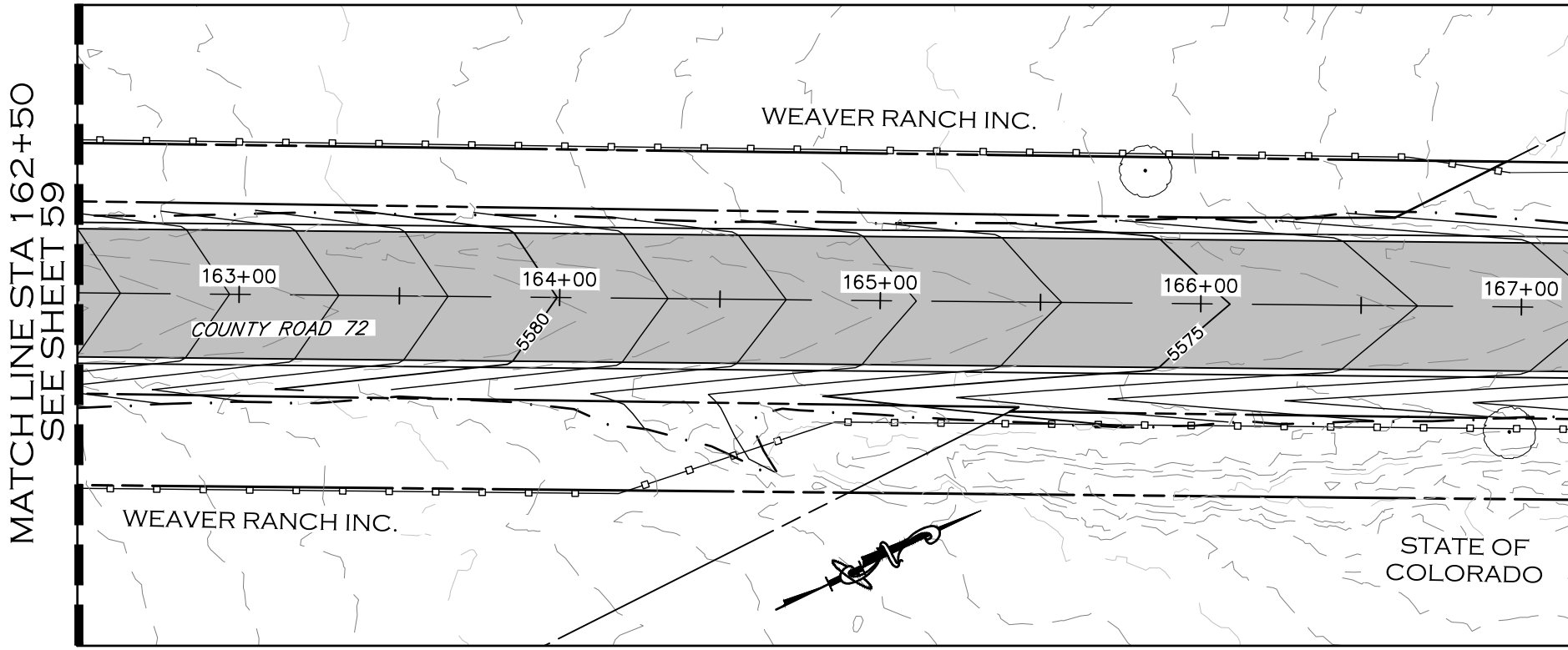

CURVE #3
TANGENT
142+97.64
142+20.79
143+61.50
144+12.92
144+64.07
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
7.49%
192.13'
RUNOFF
51.15'
RUNOUT
RT EDGE OF
PAVEMENT
−2.00%
LT EDGE OF
PAVEMENT

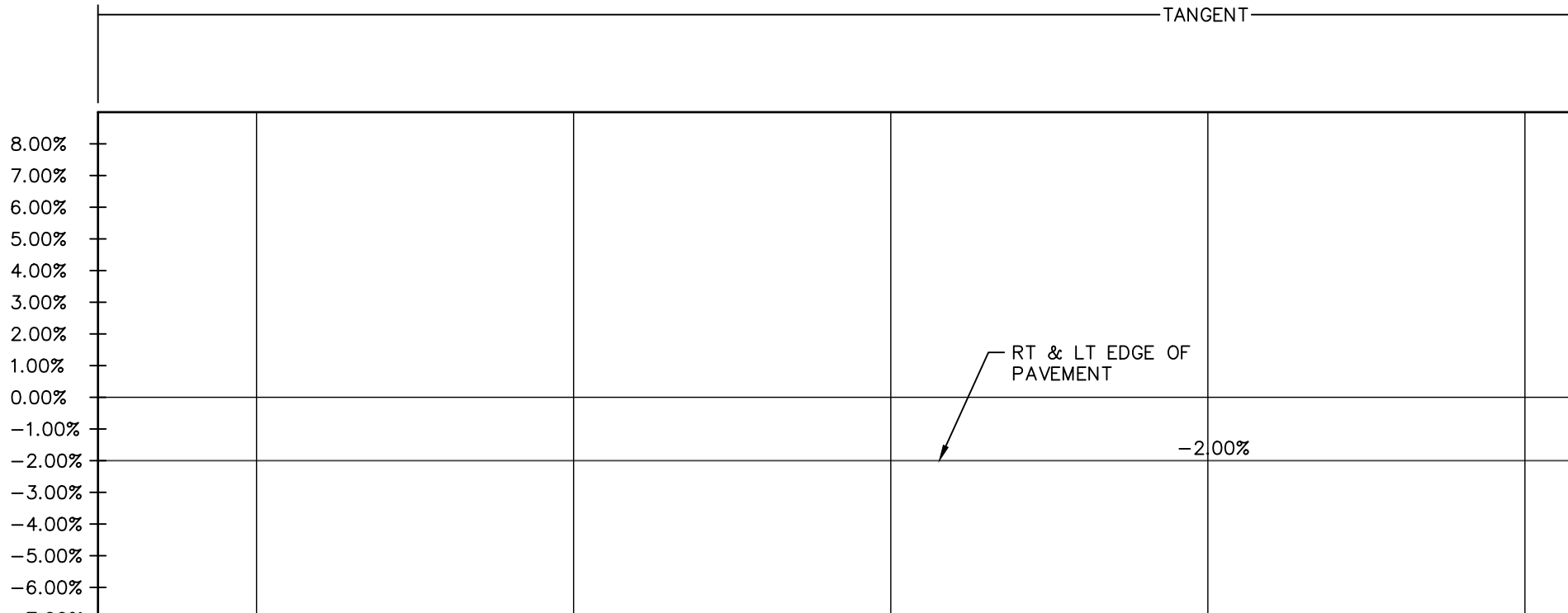

ROBERT & VICTORIA
MORTIMER
MATCH LINE STA 148+50
SEE SHEET 57
PT: 150+96.16
149+00
150+00
151+00
152+00
153+00
5610
5605
5610
5615
5605
5600
COUNTY ROAD
CATCH LINE
(TYP)
WEAVER RANCH INC.
WEAVER RANCH INC.

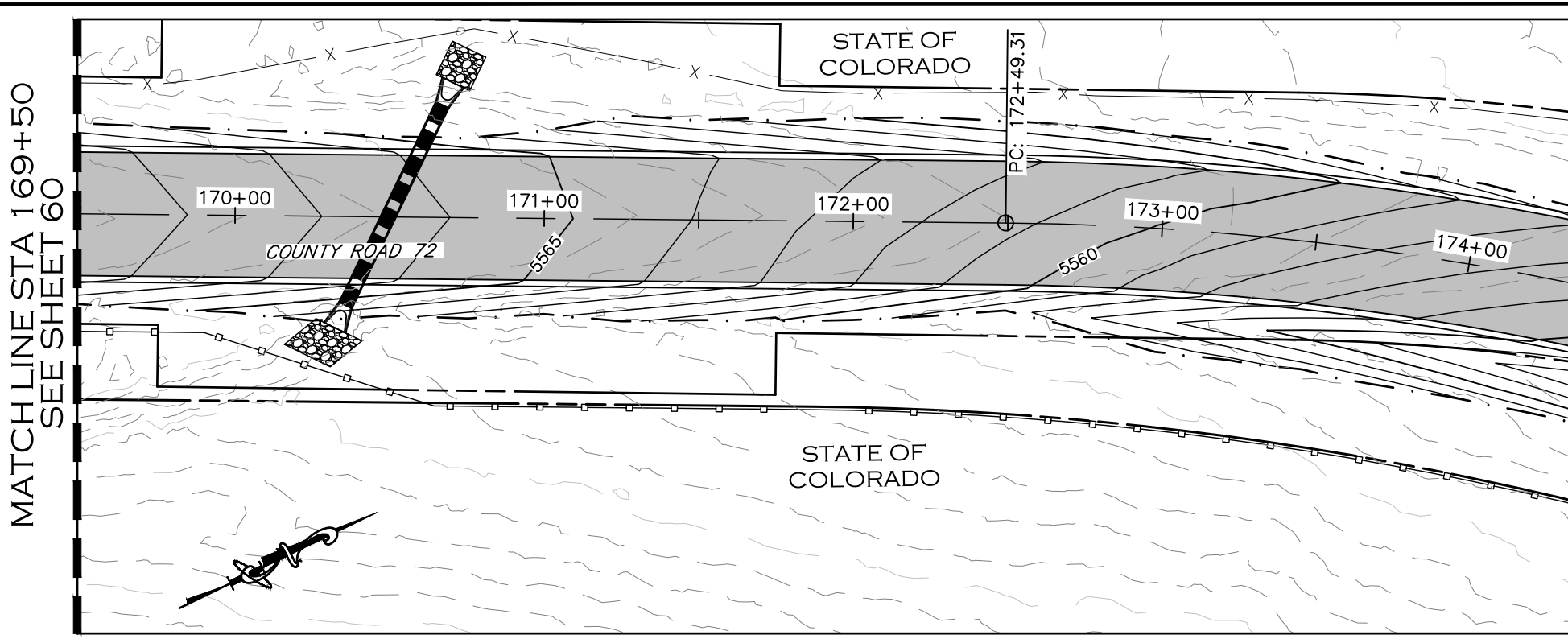

CURVE #4
150+96.16
148+72.21
161.00'
RUNOFF
150+31.76
151+41.65
151+92.76
152+43.87
161.00'
RUNOFF
51.11'
RUNOUT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
6.30%
−6.30%
LT EDGE OF
PAVEMENT
RT EDGE OF
PAVEMENT

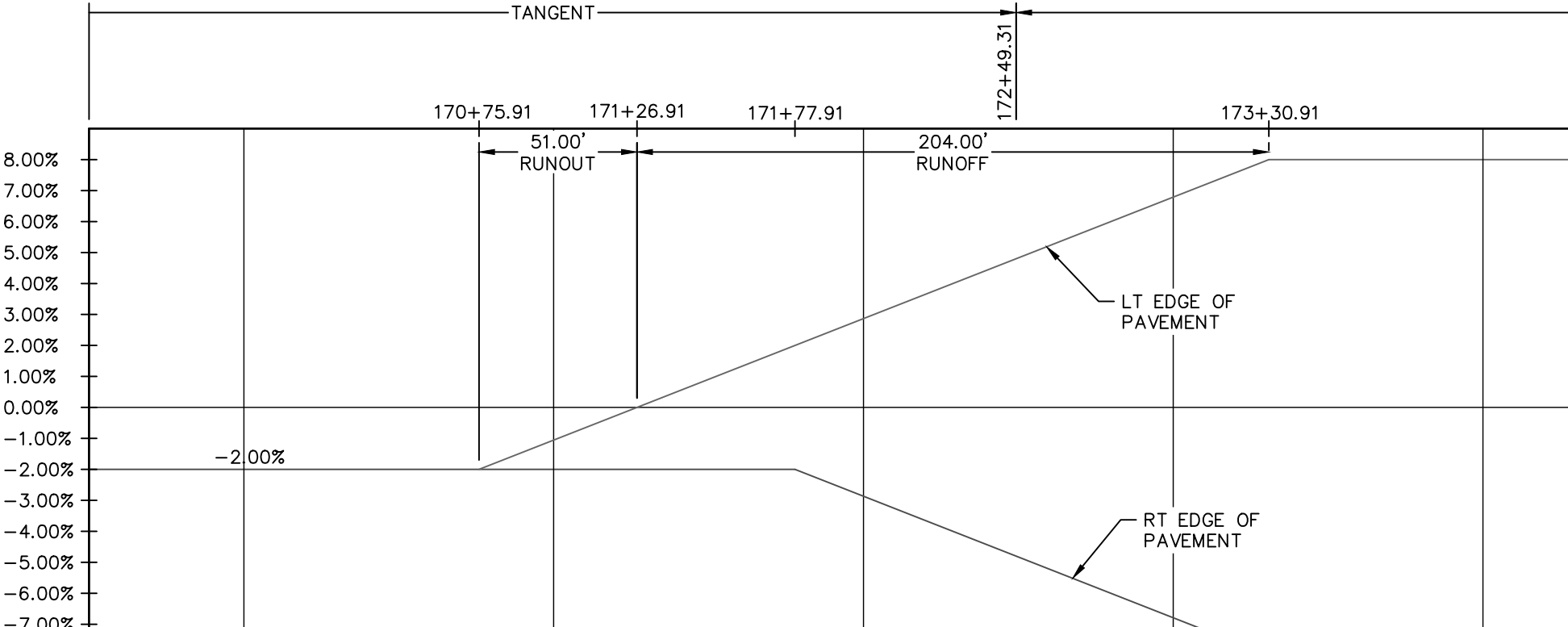

MATCH LINE STA 155+50
SEE SHEET 58
DOUGLAS & MARLA
KINDSFATER
156+00
157+00
158+00
159+00
160+00
COUNTY ROAD 72
5595
WEAVER RANCH INC.

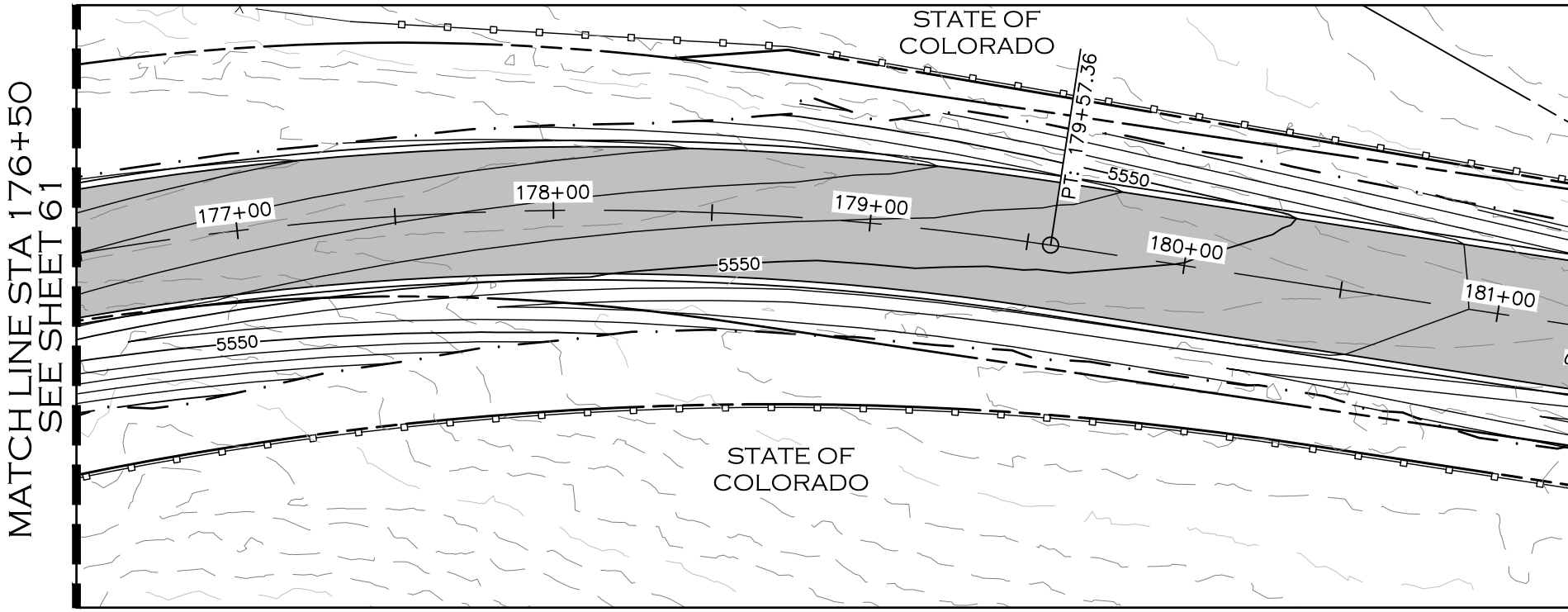

TANGENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−2.00%
RT & LT E
PAVEMENT

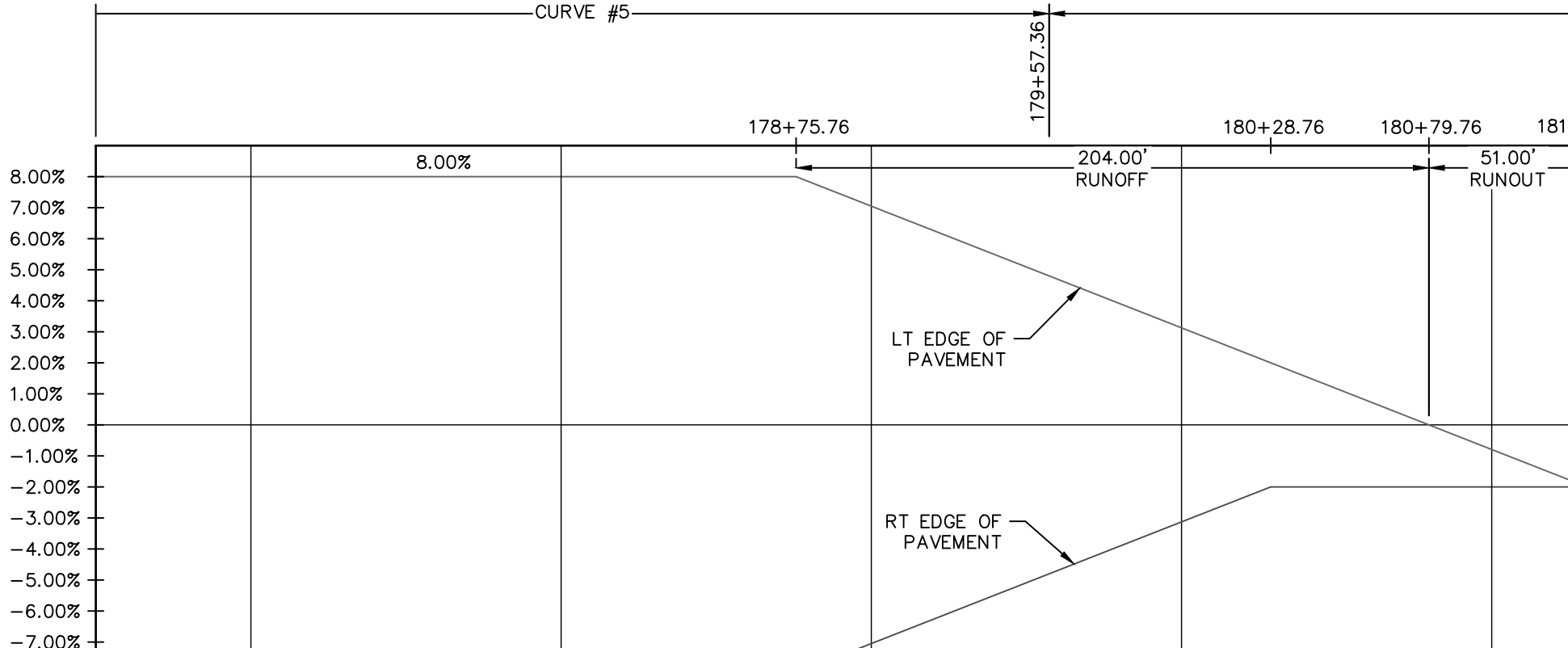

MATCH LINE STA 162+50
SEE SHEET 59
WEAVER RANCH INC.
163+00
164+00
165+00
166+00
167+00
COUNTY ROAD 72
5580
5575
WEAVER RANCH INC.
STATE OF
COLORADO

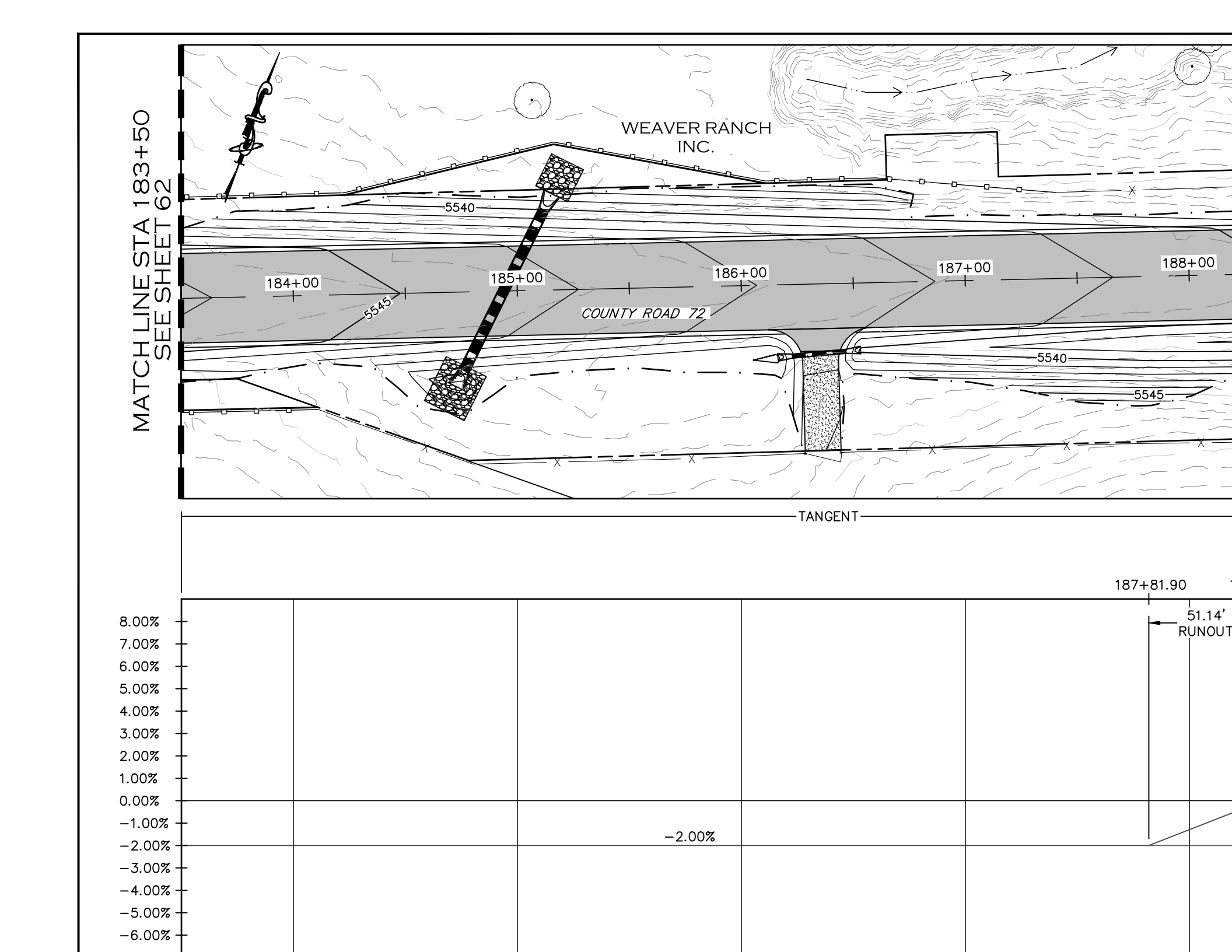

TANGENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
RT & LT EDGE OF
PAVEMENT
−2.00%

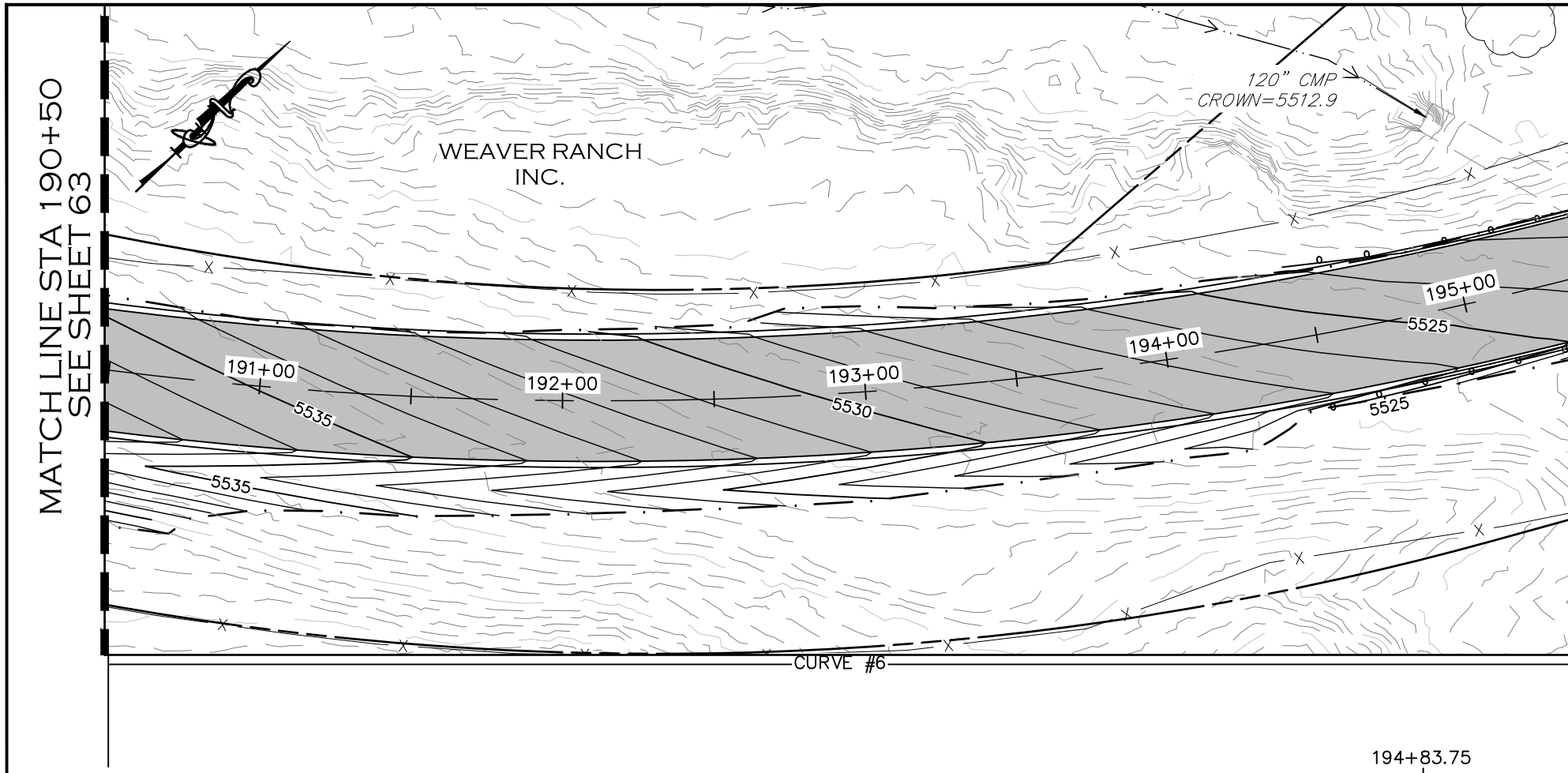

MATCH LINE STA 169+50
SEE SHEET 60
STATE OF COLORADO
PC: 172+49.31
170+00
171+00
172+00
173+00
174+00
COUNTY ROAD 72
5565
5560
STATE OF COLORADO

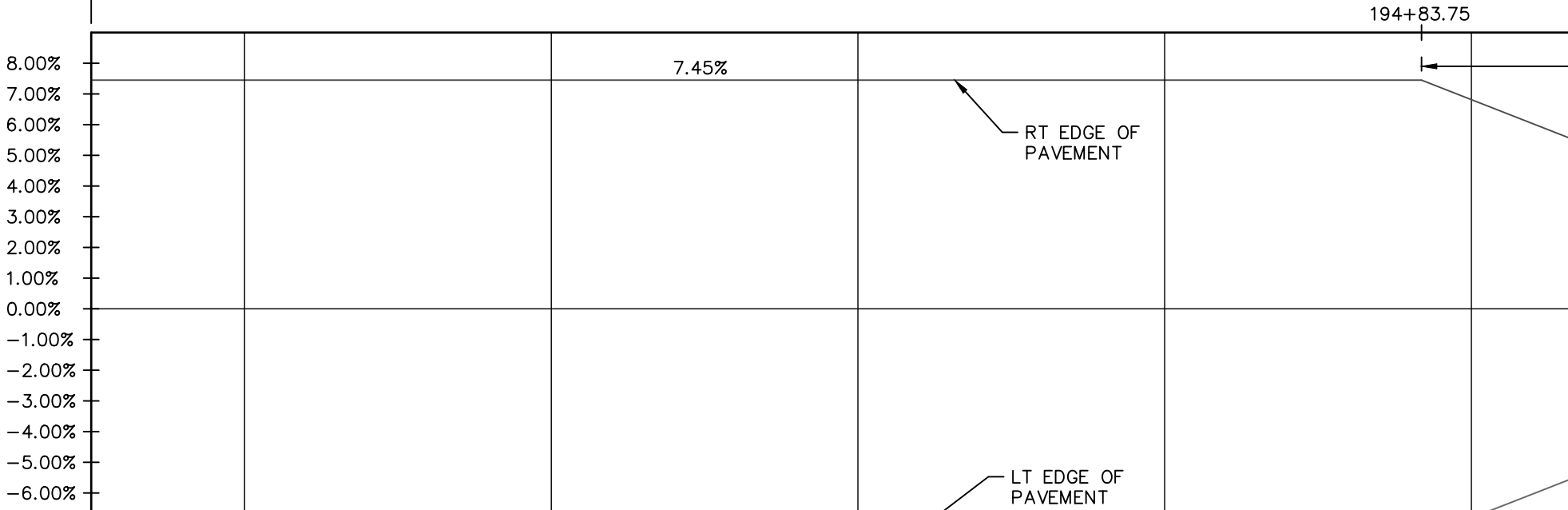

TANGENT
172+49.31
170+75.91
171+26.91
171+77.91
173+30.91
51.00'
RUNOUT
204.00'
RUNOFF
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−7.00%
−2.00%
LT EDGE OF PAVEMENT
RT EDGE OF PAVEMENT

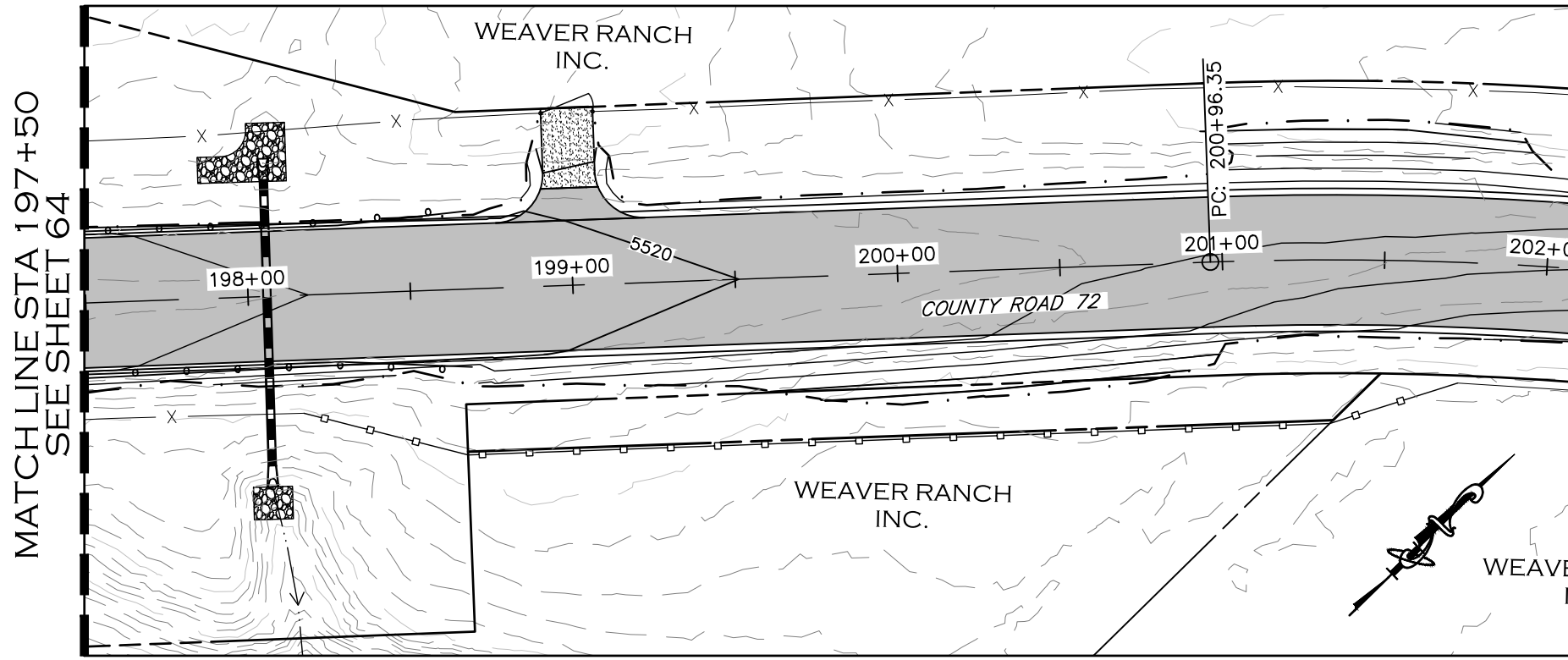

MATCH LINE STA 176+50
SEE SHEET 61
STATE OF COLORADO
PT: 179+57.36
177+00
178+00
179+00
180+00
181+00
5550
5550
5550
STATE OF COLORADO

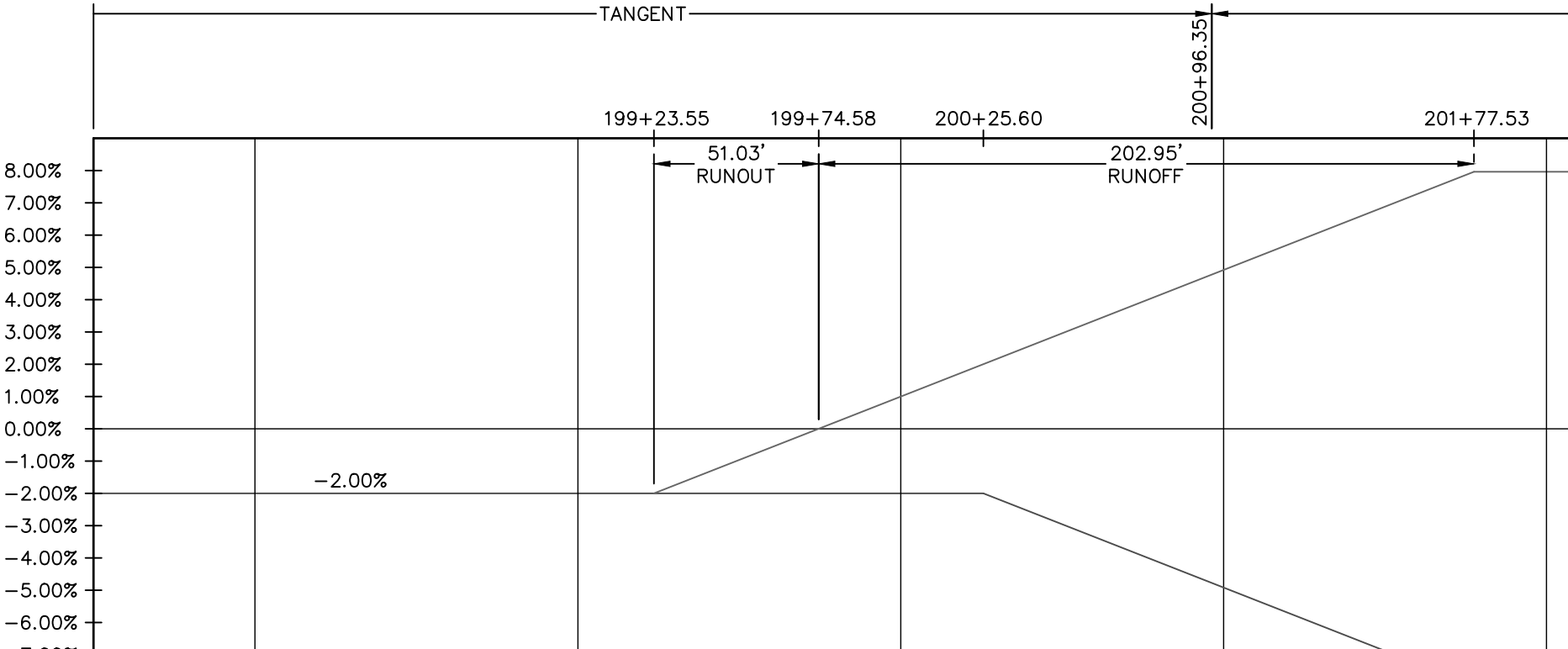

CURVE #5
179+57.36
178+75.76
180+28.76
180+79.76
8.00%
204.00'
RUNOFF
51.00'
RUNOUT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−7.00%
LT EDGE OF PAVEMENT
RT EDGE OF PAVEMENT

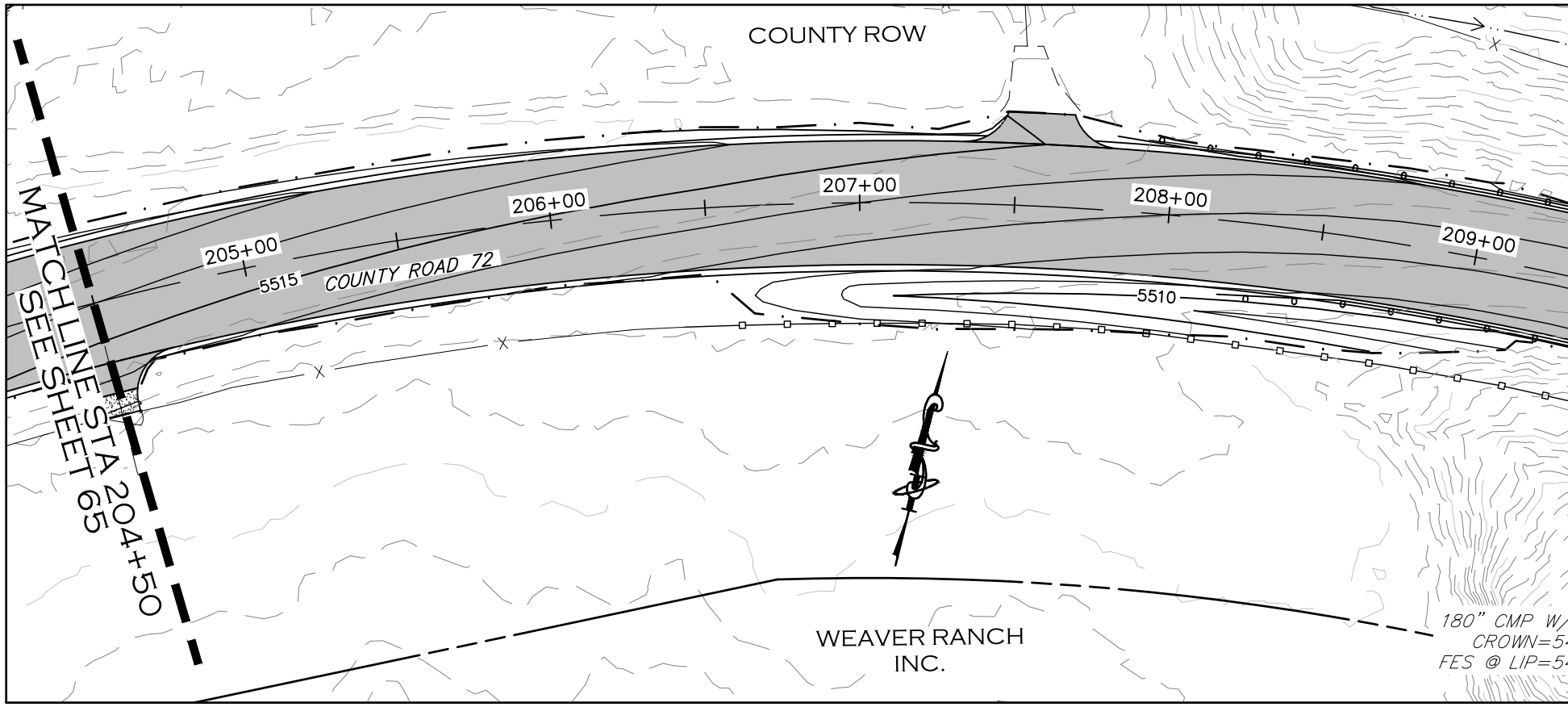

MATCH LINE STA 183+50
SEE SHEET 62
WEAVER RANCH
INC.
5540
184+00
185+00
186+00
187+00
188+00
5545
COUNTY ROAD 72
5540
5545
TANGENT
187+81.90
51.14'
RUNOUT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−2.00%

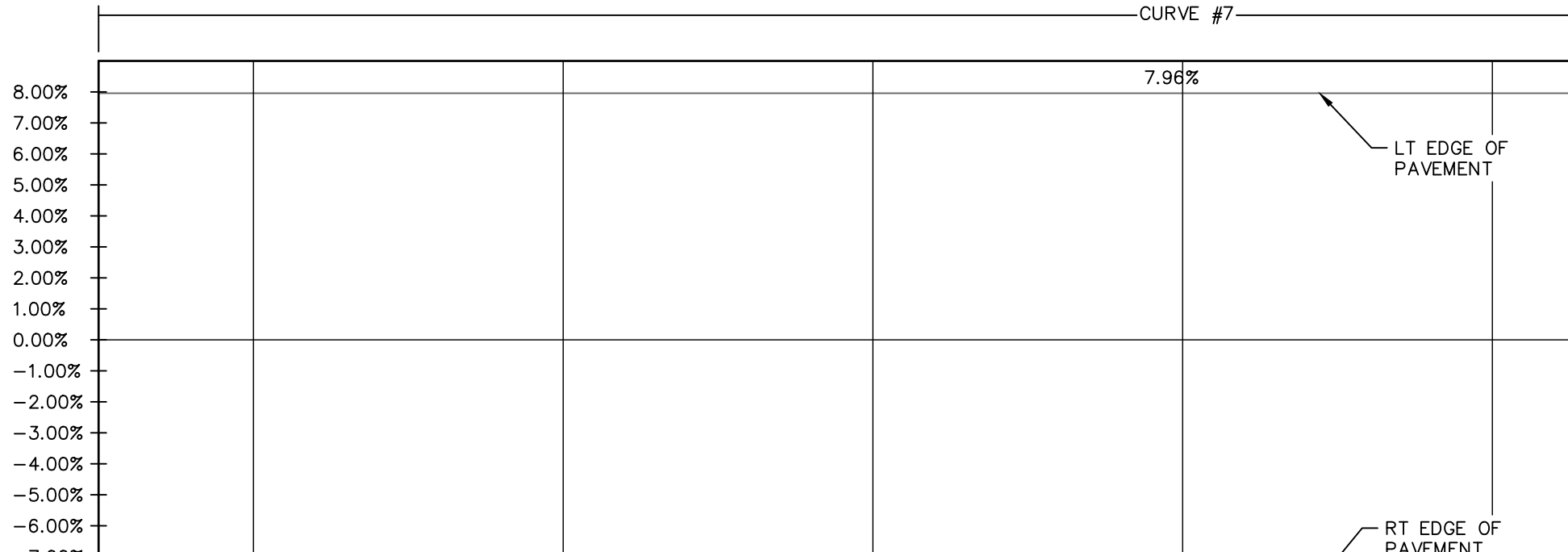

MATCH LINE STA 190+50
SEE SHEET 63
WEAVER RANCH
INC.
120" CMP
CROWN=5512.9
191+00
192+00
193+00
194+00
195+00
5535
5530
5525
CURVE #6

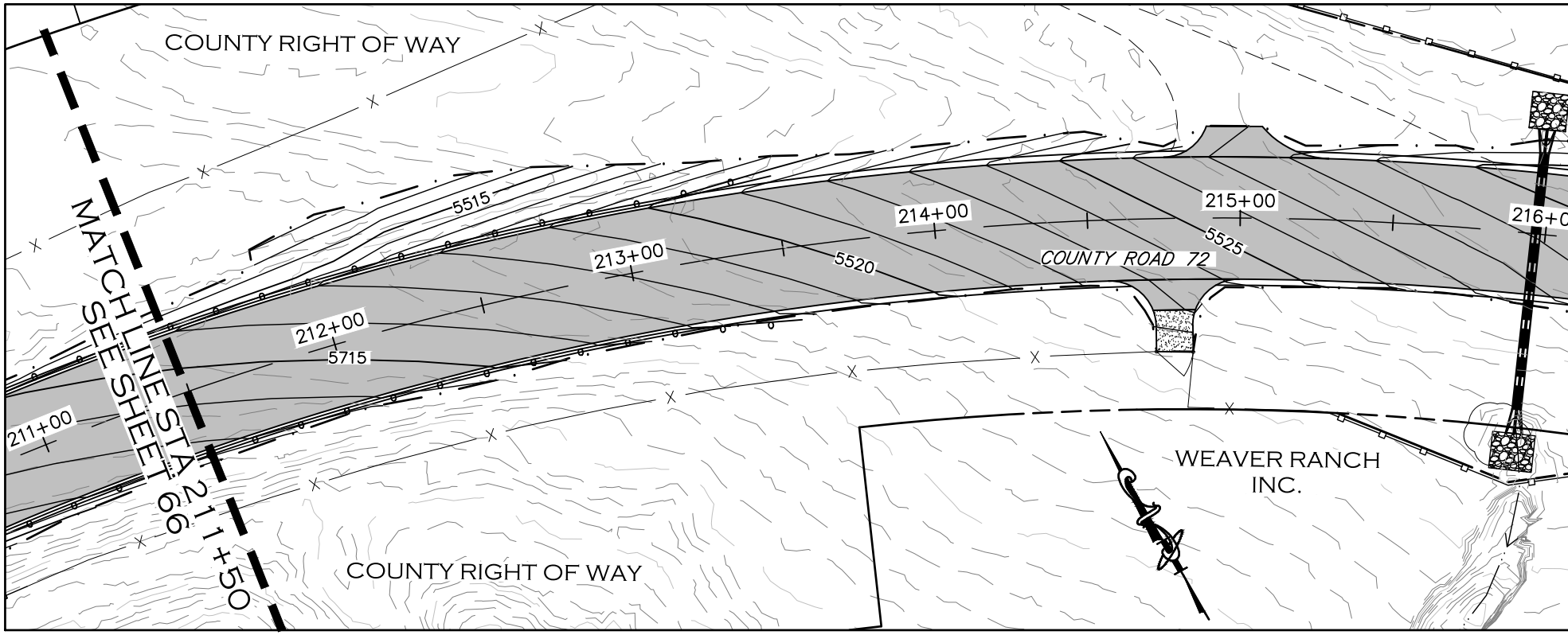

194+83.75
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
7.45%
RT EDGE OF
PAVEMENT
LT EDGE OF
PAVEMENT

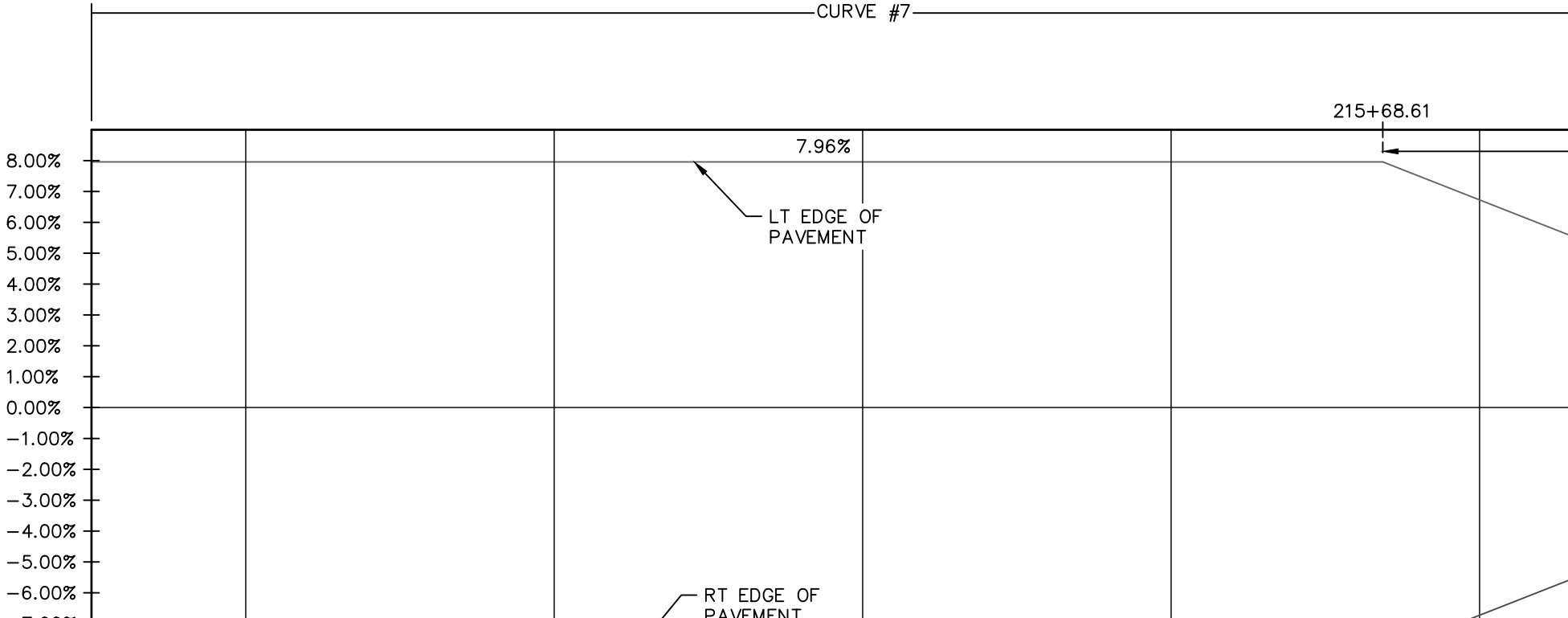

MATCH LINE STA 197+50
SEE SHEET 64
WEAVER RANCH
INC.
WEAVER RANCH
INC.
PC: 200+96.35
198+00
199+00
200+00
201+00
202+0
5520
COUNTY ROAD 72
WEAVE

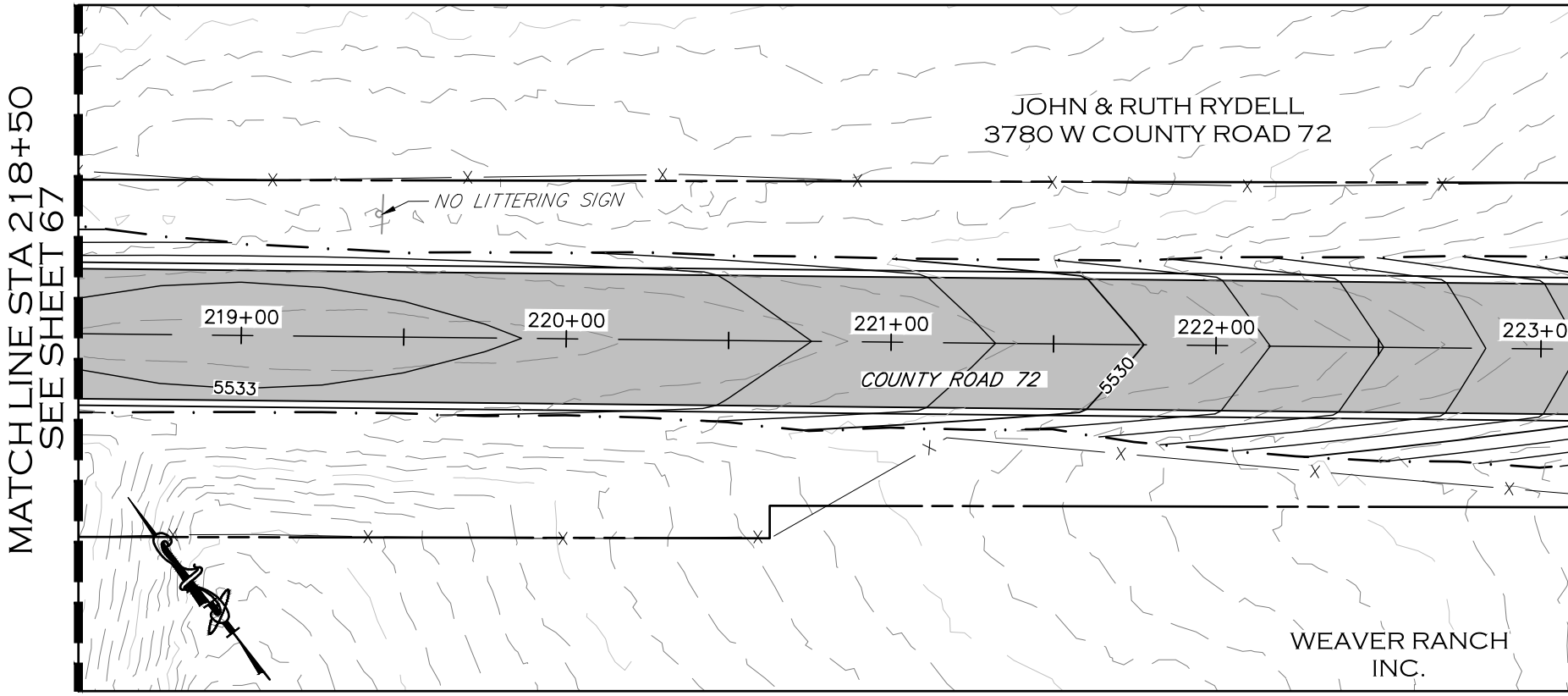

TANGENT
200+96.35
199+23.55
199+74.58
200+25.60
201+77.53
51.03'
RUNOUT
202.95'
RUNOFF
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−2.00%

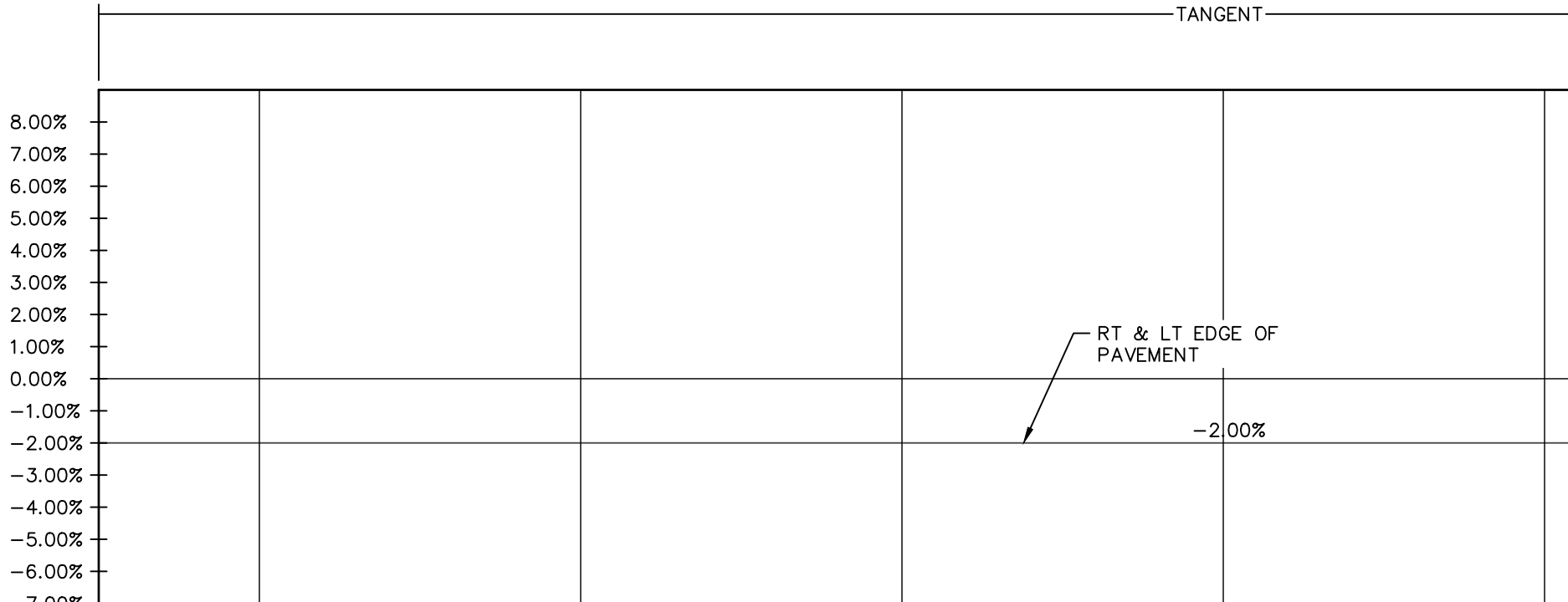

COUNTY ROW
205+00
206+00
207+00
208+00
209+00
5515
COUNTY ROAD 72
5510
MATCH LINE STA 204+50
SEE SHEET 65
WEAVER RANCH
INC.
180" CMP W/
CROWN=5
FES @ LIP=5

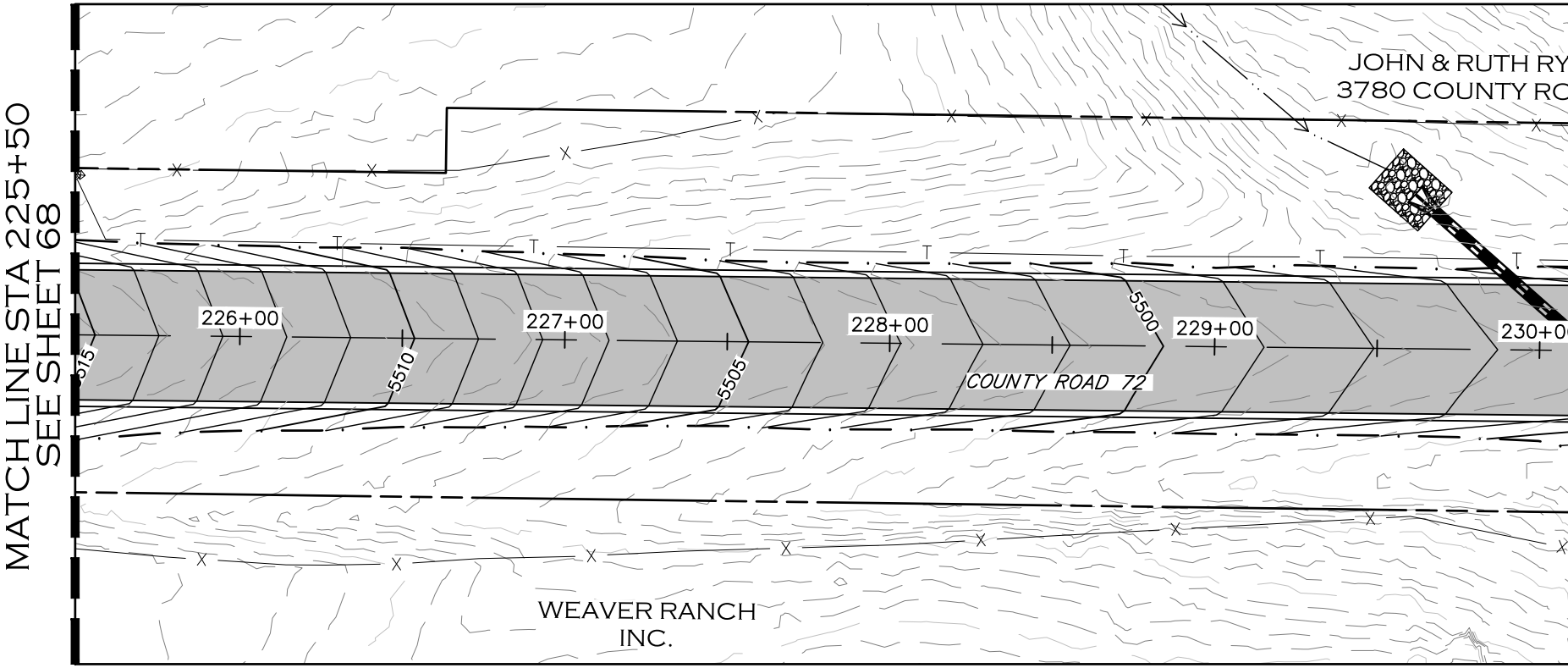

CURVE #7
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
7.96%
LT EDGE OF PAVEMENT
RT EDGE OF PAVEMENT

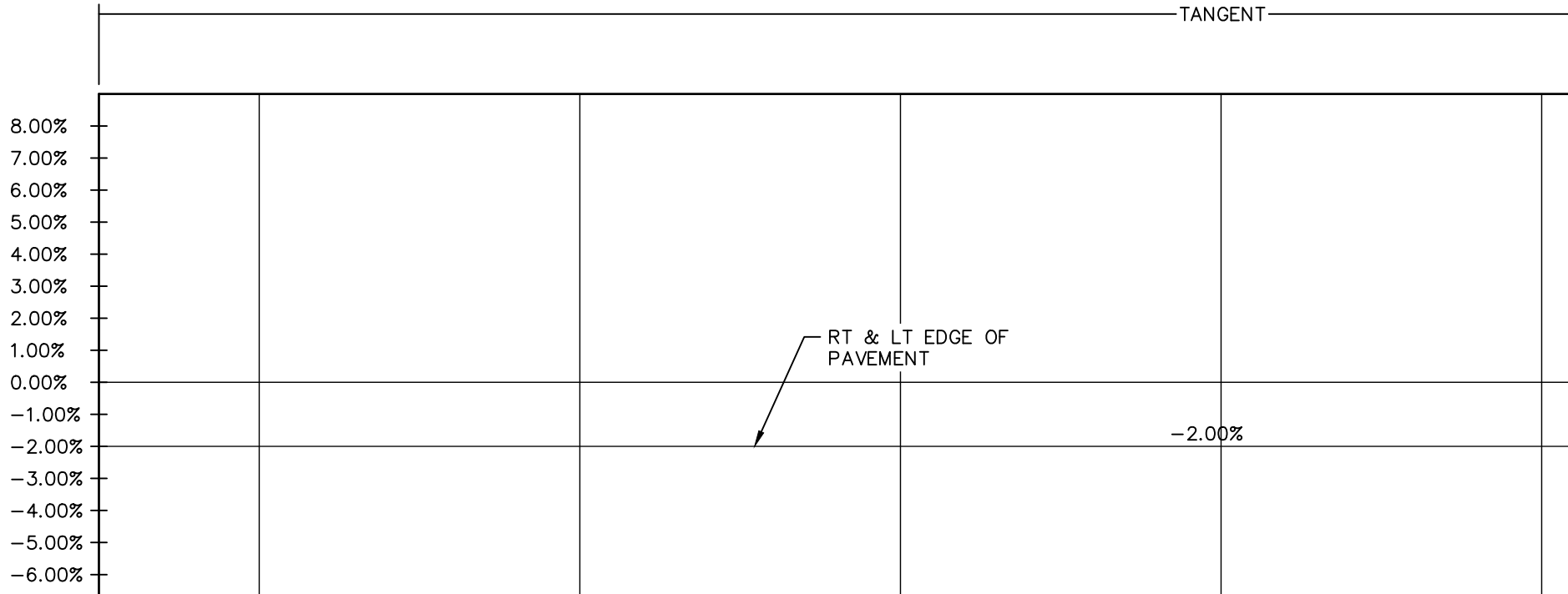

COUNTY RIGHT OF WAY
MATCHLINE STA 211+50
SEE SHEET 66
211+00
212+00
213+00
214+00
215+00
216+0
5515
5520
5525
5715
COUNTY ROAD 72
WEAVER RANCH
INC.
COUNTY RIGHT OF WAY

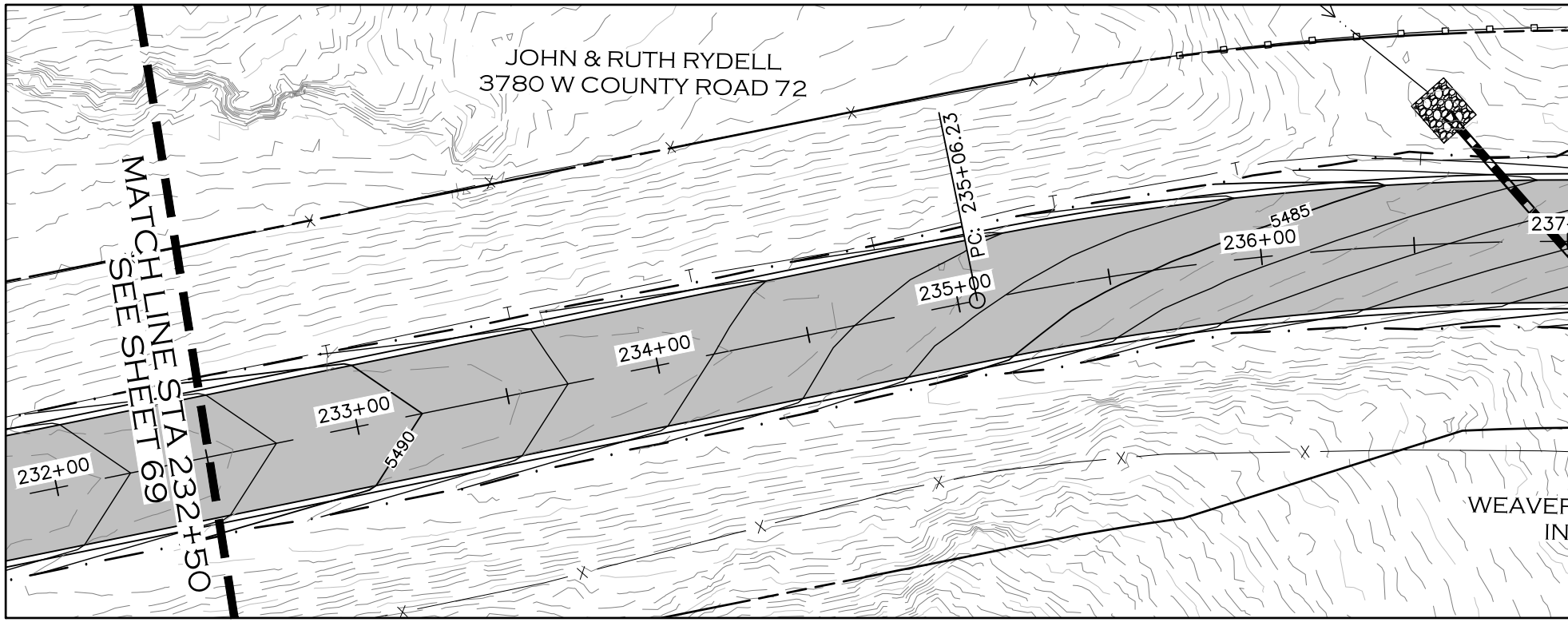

CURVE #7
215+68.61
7.96%
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
LT EDGE OF
PAVEMENT
RT EDGE OF

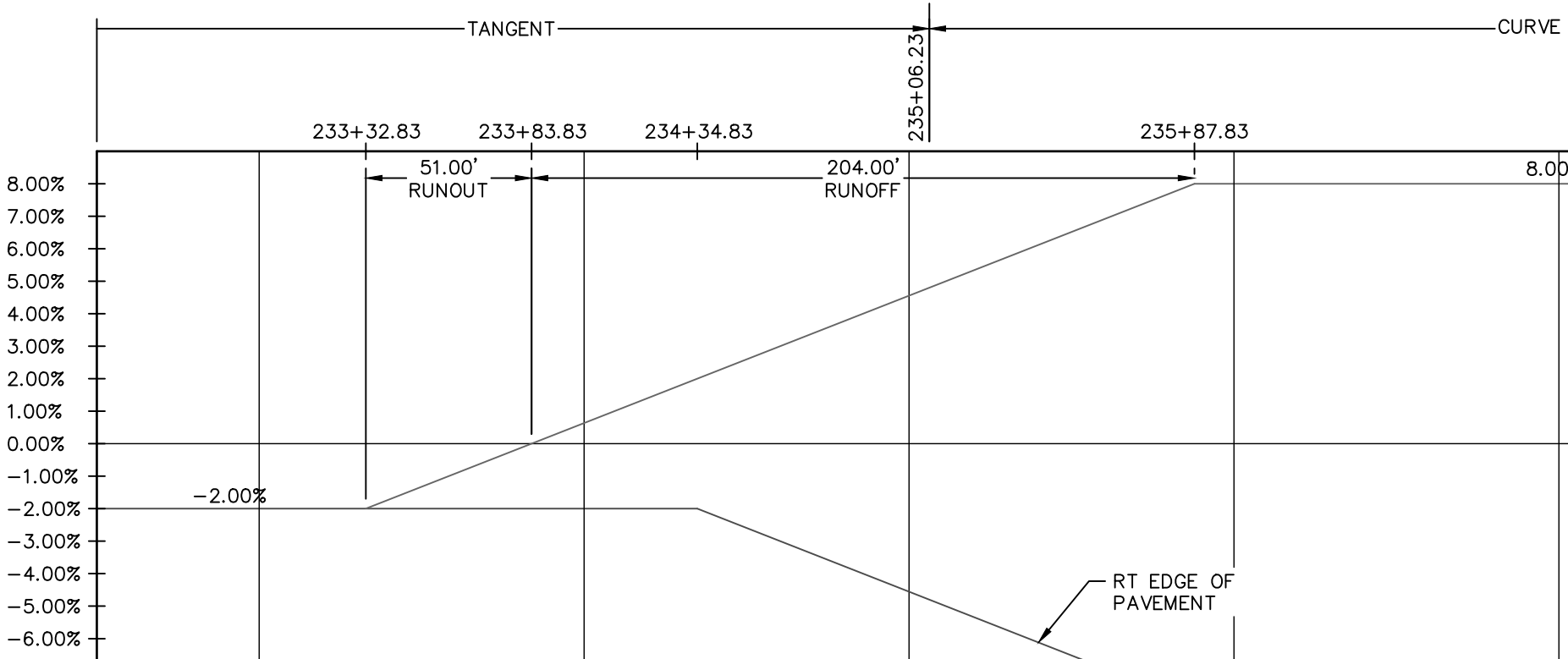

MATCH LINE STA 218+50
SEE SHEET 67
JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
NO LITTERING SIGN
219+00
220+00
221+00
222+00
223+0
5533
COUNTY ROAD 72
5530
WEAVER RANCH
INC.

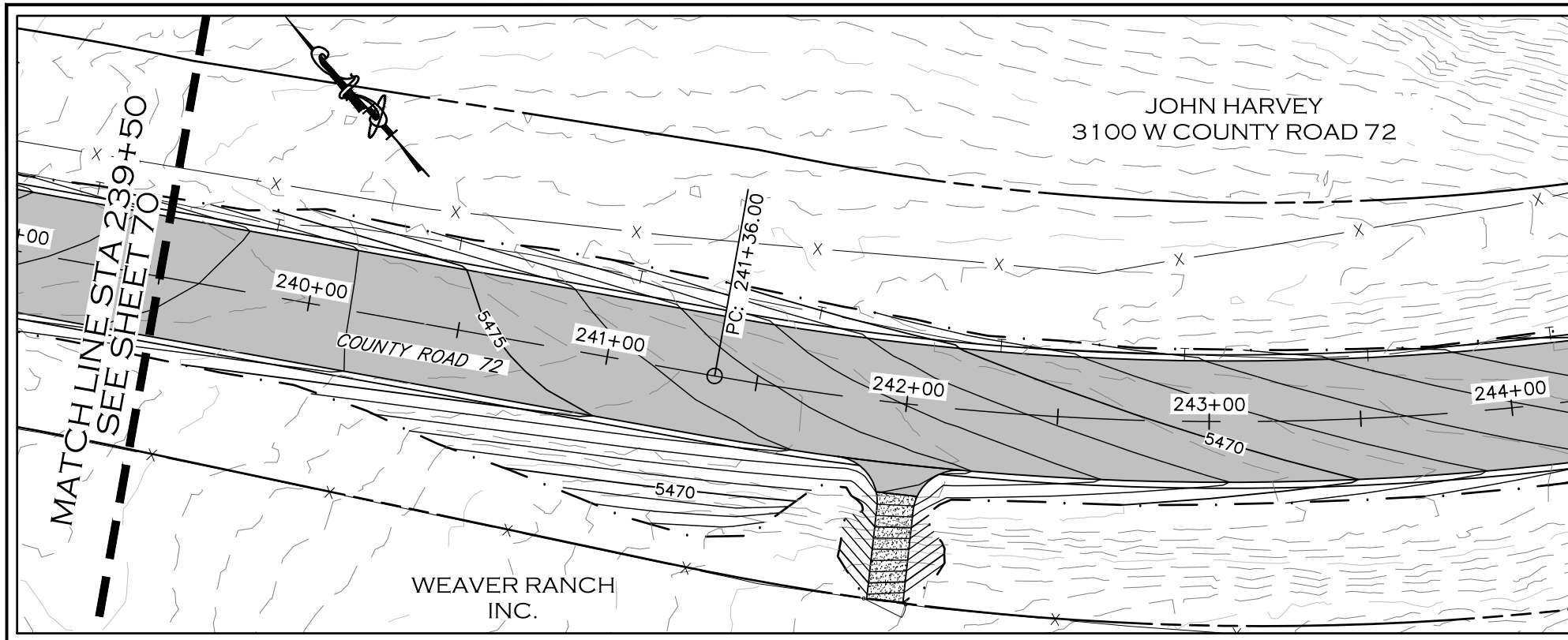

TANGENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
RT & LT EDGE OF
PAVEMENT
−2.00%

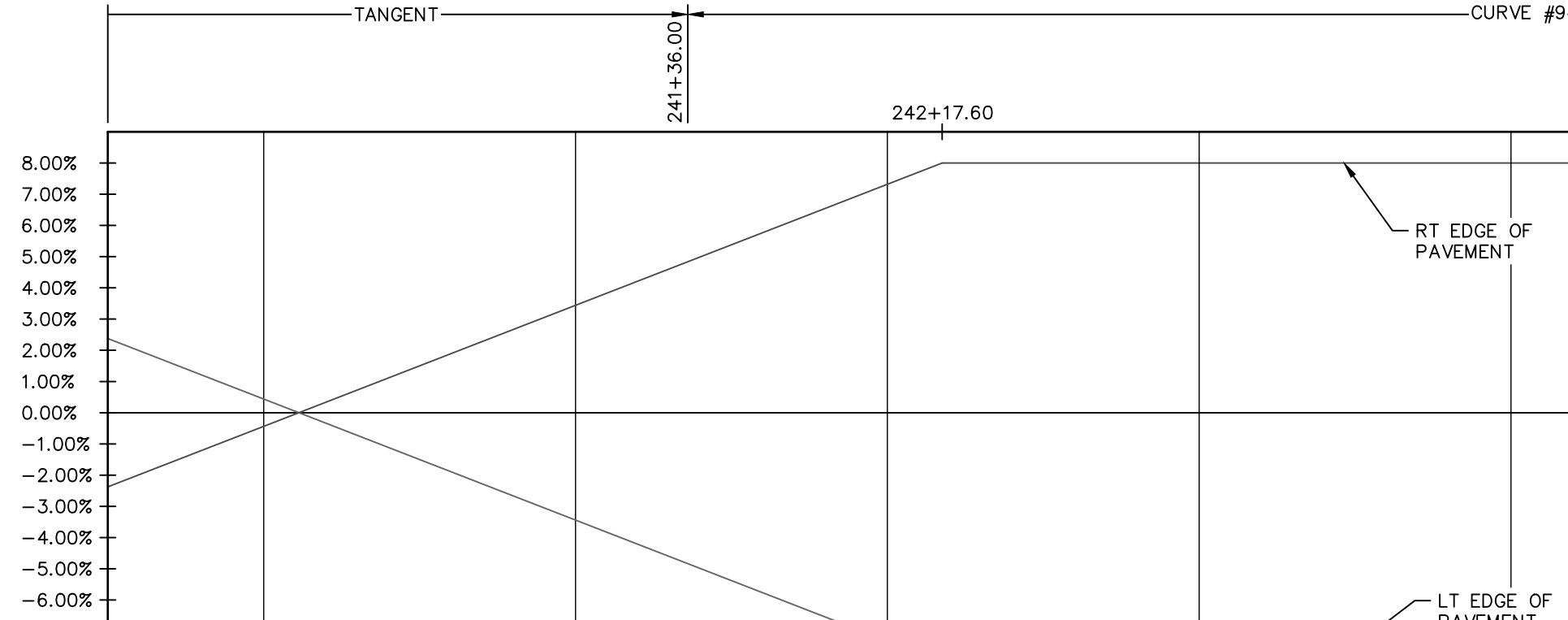

MATCH LINE STA 225+50
SEE SHEET 68
JOHN & RUTH RY
3780 COUNTY RO
226+00
227+00
228+00
229+00
230+0
5515
5510
5505
5500
COUNTY ROAD 72
WEAVER RANCH
INC.

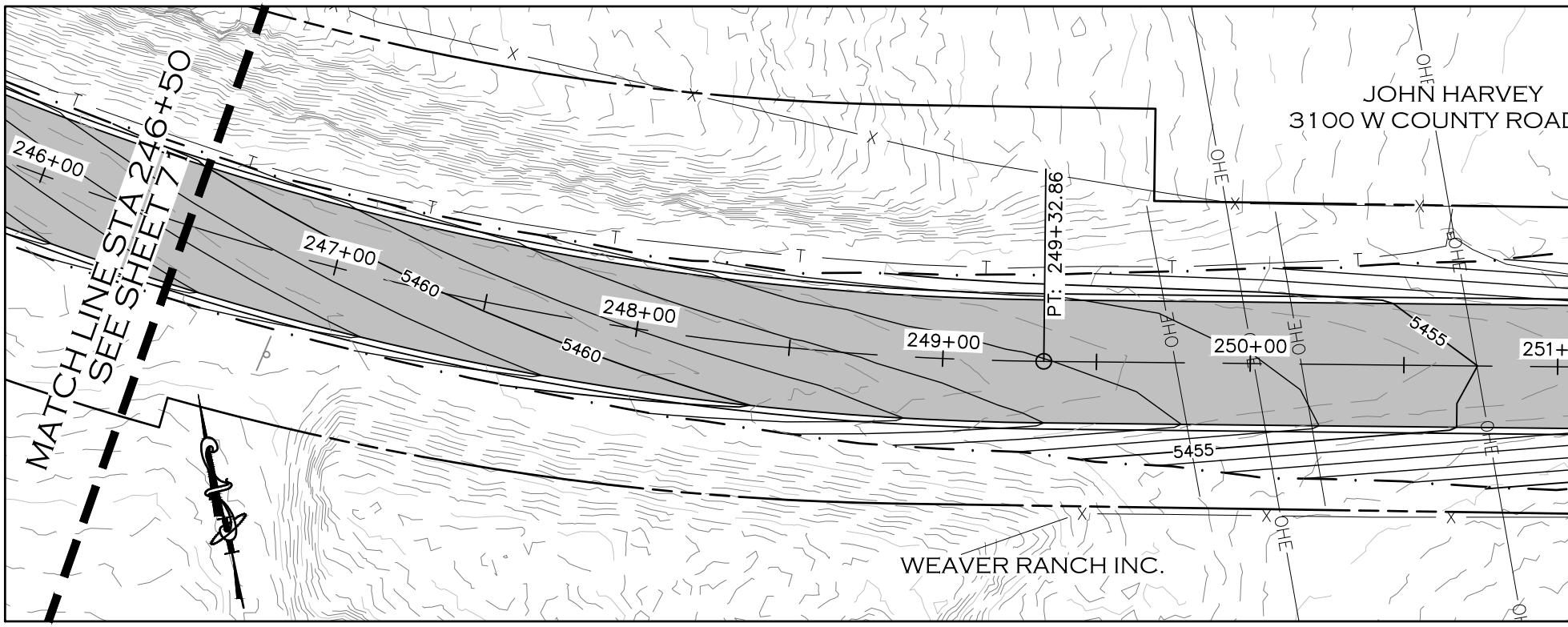

TANGENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
RT & LT EDGE OF
PAVEMENT
−2.00%

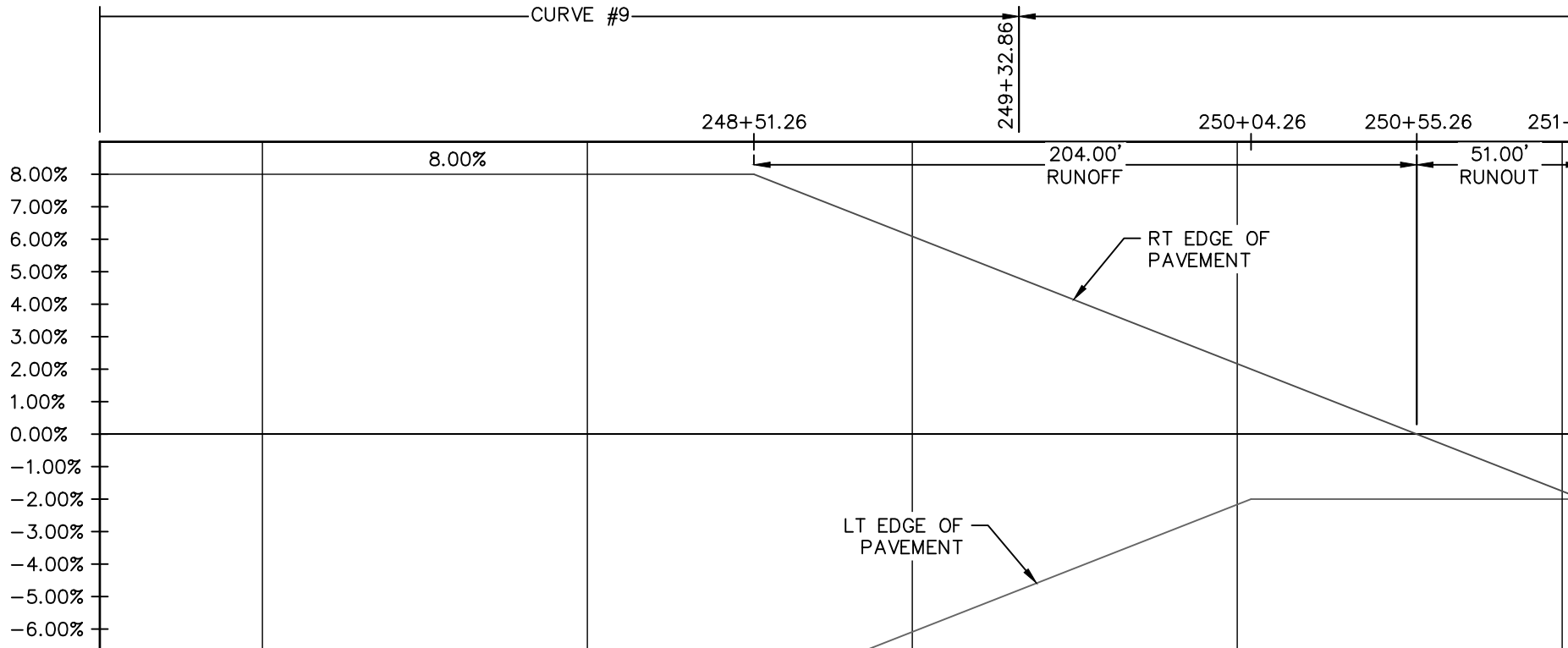

JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
MATCH LINE STA 232+50
SEE SHEET 69
232+00
233+00
234+00
235+00
236+00
PC: 235+06.23
5490
5485

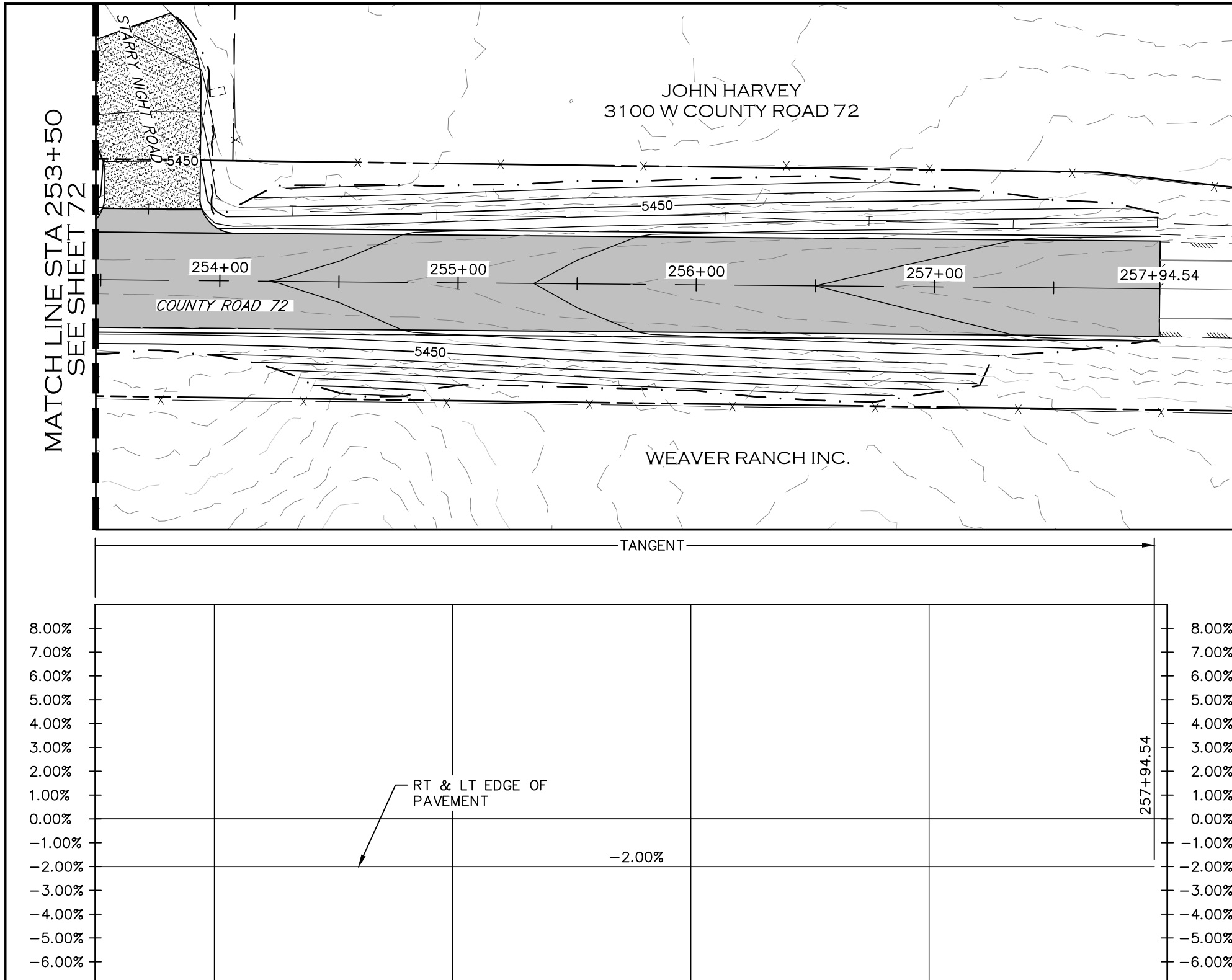

TANGENT
CURVE
235+06.23
233+32.83
233+83.83
234+34.83
235+87.83
51.00'
RUNOUT
204.00'
RUNOFF
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
−2.00%
RT EDGE OF
PAVEMENT


JOHN HARVEY
3100 W COUNTY ROAD 72
MATCH LINE STA 239+50
SEE SHEET 70
240+00
COUNTY ROAD 72
5475
241+00
PC: 241+36.00
242+00
243+00
5470
244+00
5470
WEAVER RANCH
INC.


TANGENT
241+36.00
CURVE #9
242+17.60
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
RT EDGE OF
PAVEMENT
LT EDGE OF


MATCH LINE STA 246+50
SEE SHEET 7
246+00
247+00
248+00
249+00
250+00
5460
5460
5455
5455
PT: 249+32.86
JOHN HARVEY
3100 W COUNTY ROAD
WEAVER RANCH INC.
OHE
OHE
OHE
OHE
OHE


CURVE #9
249+32.86
248+51.26
250+04.26
250+55.26
8.00%
204.00'
RUNOFF
51.00'
RUNOUT
RT EDGE OF
PAVEMENT
LT EDGE OF
PAVEMENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%


MATCH LINE STA 253+50
SEE SHEET 72
STARRY NIGHT ROAD
JOHN HARVEY
3100 W COUNTY ROAD 72
5450
5450
254+00
255+00
256+00
257+00
257+94.54
COUNTY ROAD 72
5450
WEAVER RANCH INC.
TANGENT
8.00%
7.00%
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
−1.00%
−2.00%
−3.00%
−4.00%
−5.00%
−6.00%
RT & LT EDGE OF
PAVEMENT
−2.00%
257+94.54

EROSION CONTROL TABULATION:
EL–1: 87 EA @ 8 LF = 696 LF
EL–2: 22 EA @ 16 LF = 352 LF
EL–3: 22 EA @ 8 LF = 176 LF
EL–4: 3,582 LF
TB: 15,400 LF (FOR INFORMATION ONLY, SEE NOTE 5)
SRB: 15,033 SY

LEGEND

XXXX PROPOSED MINOR CONTOUR

XXXX PROPOSED MAJOR CONTOUR

XXXX EXISTING MINOR CONTOUR

XXXX EXISTING MINOR CONTOUR

PROPOSED FENCE

TEMPORARY CONSTRUCTION EASEMENT

PROPOSED RIGHT–OF–WAY

EXISTING RIGHT–OF–WAY

EXISTING PROPERTY LINE

EL–1 EROSION LOG (12 INCH)
DRAINAGE DITCH APPLICATIONS

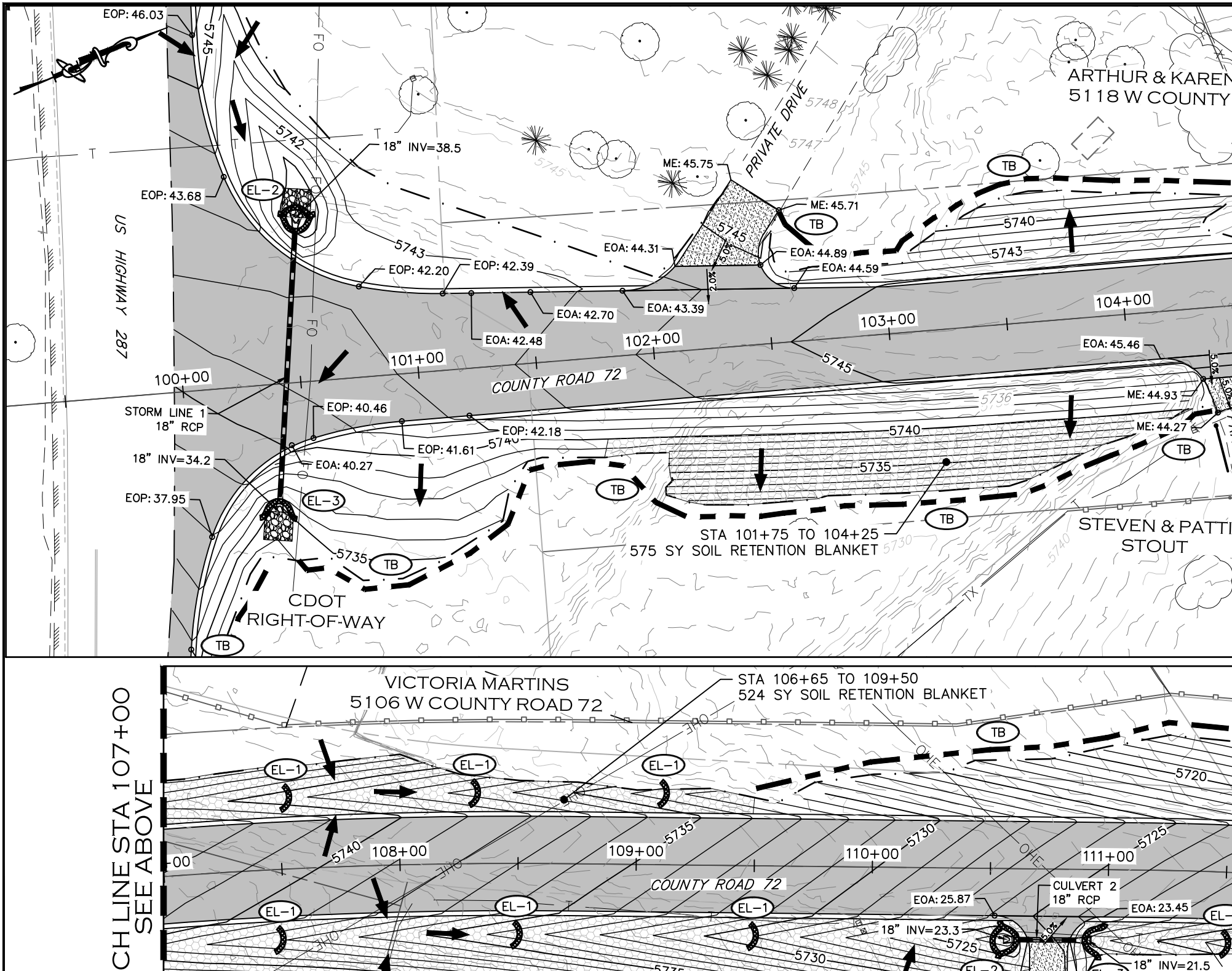
EL–2 EROSION LOG (12 INCH)
CULVERT INLET PROTECTION

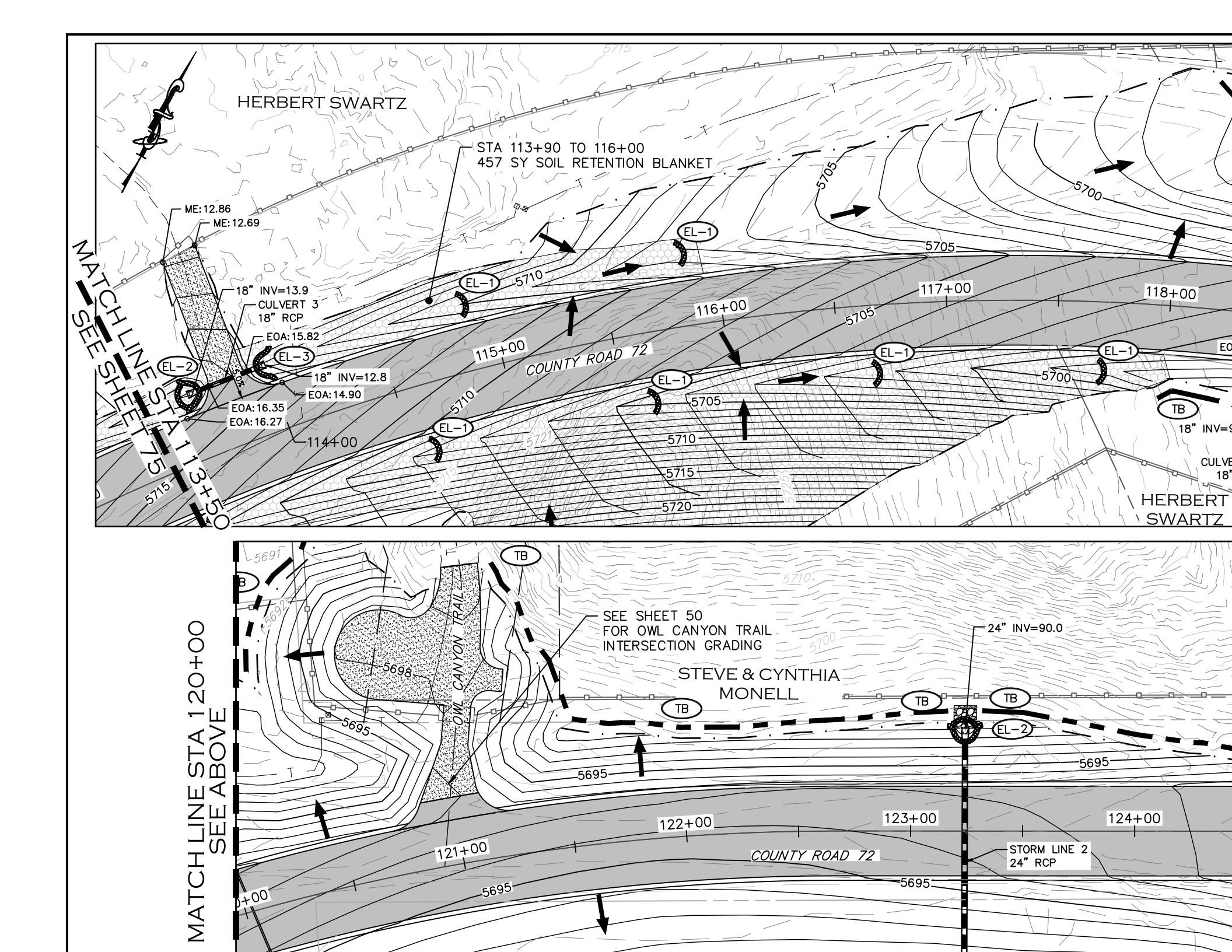
EL–3 EROSION LOG (12 INCH)
CULVERT OUTLET PROTECTION

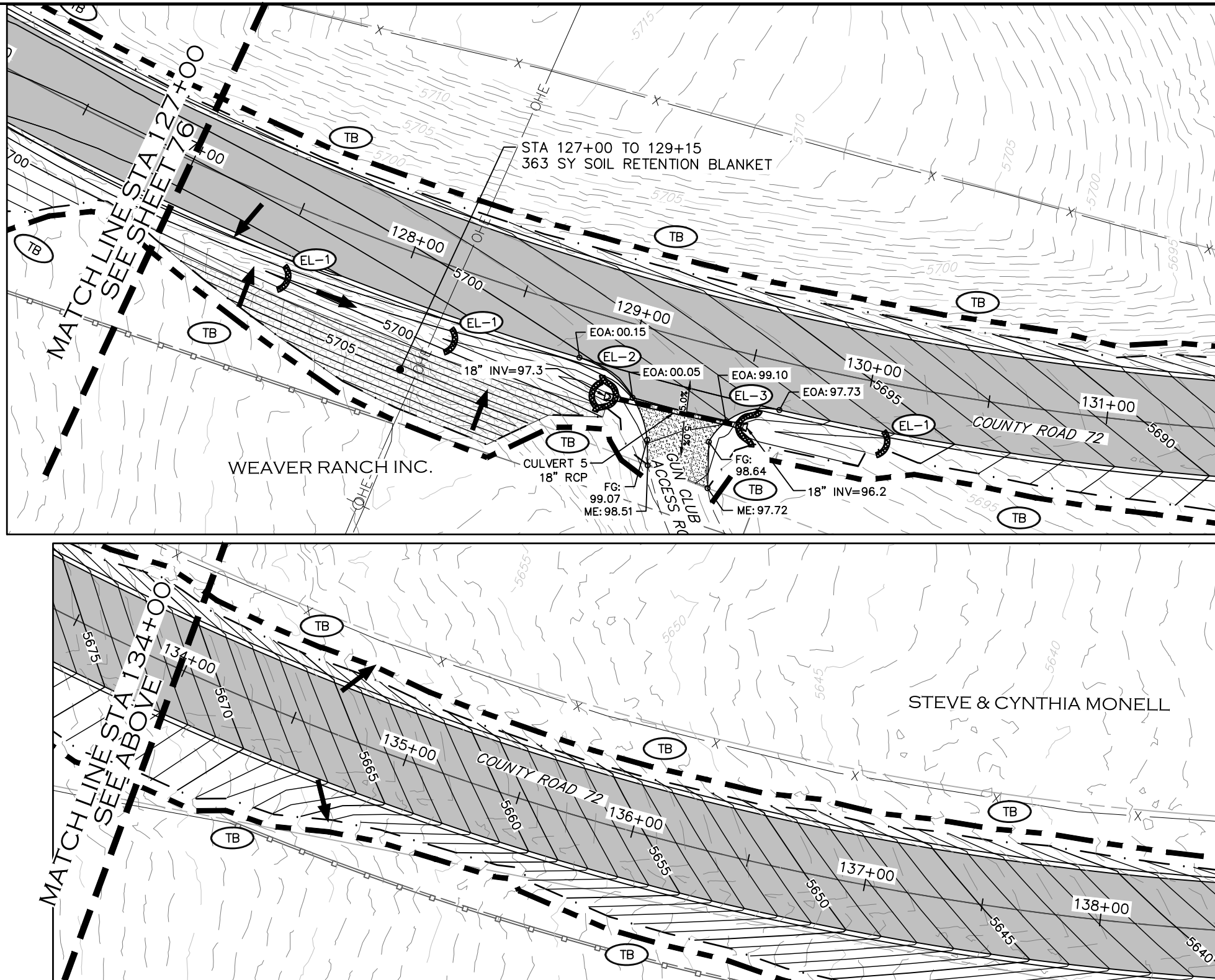
EL–4 EROSION LOG (12 INCH)
TOE OF SLOPE PROTECTION

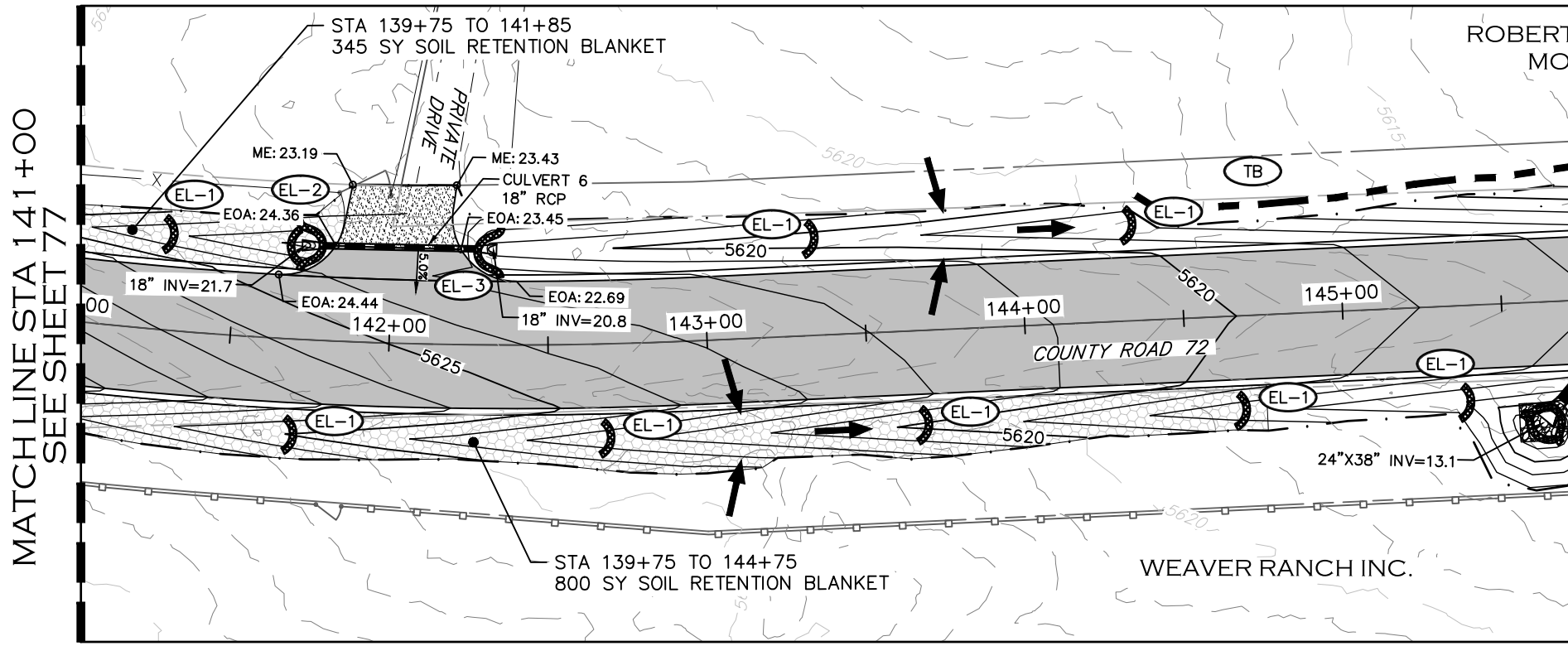
TB TEMPORARY BERM
SEE NOTE 5

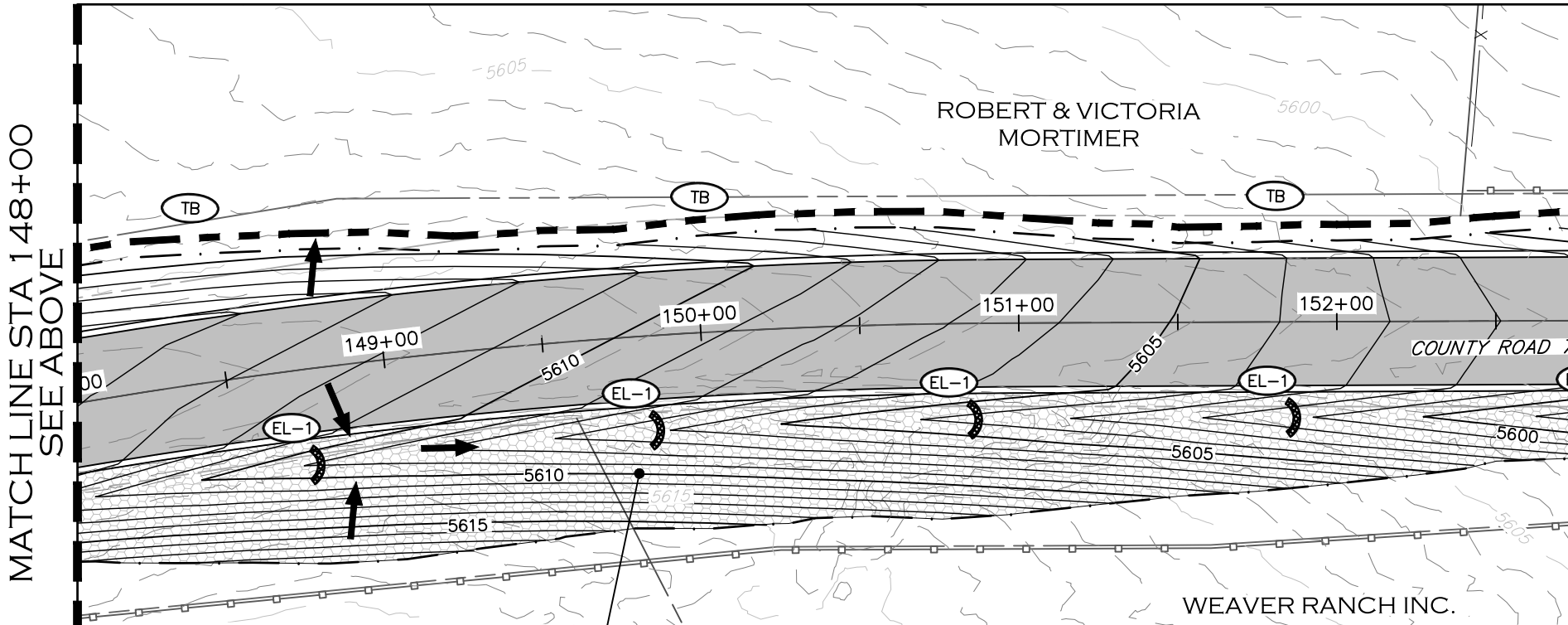
SRB SOIL RETENTION BLANKET

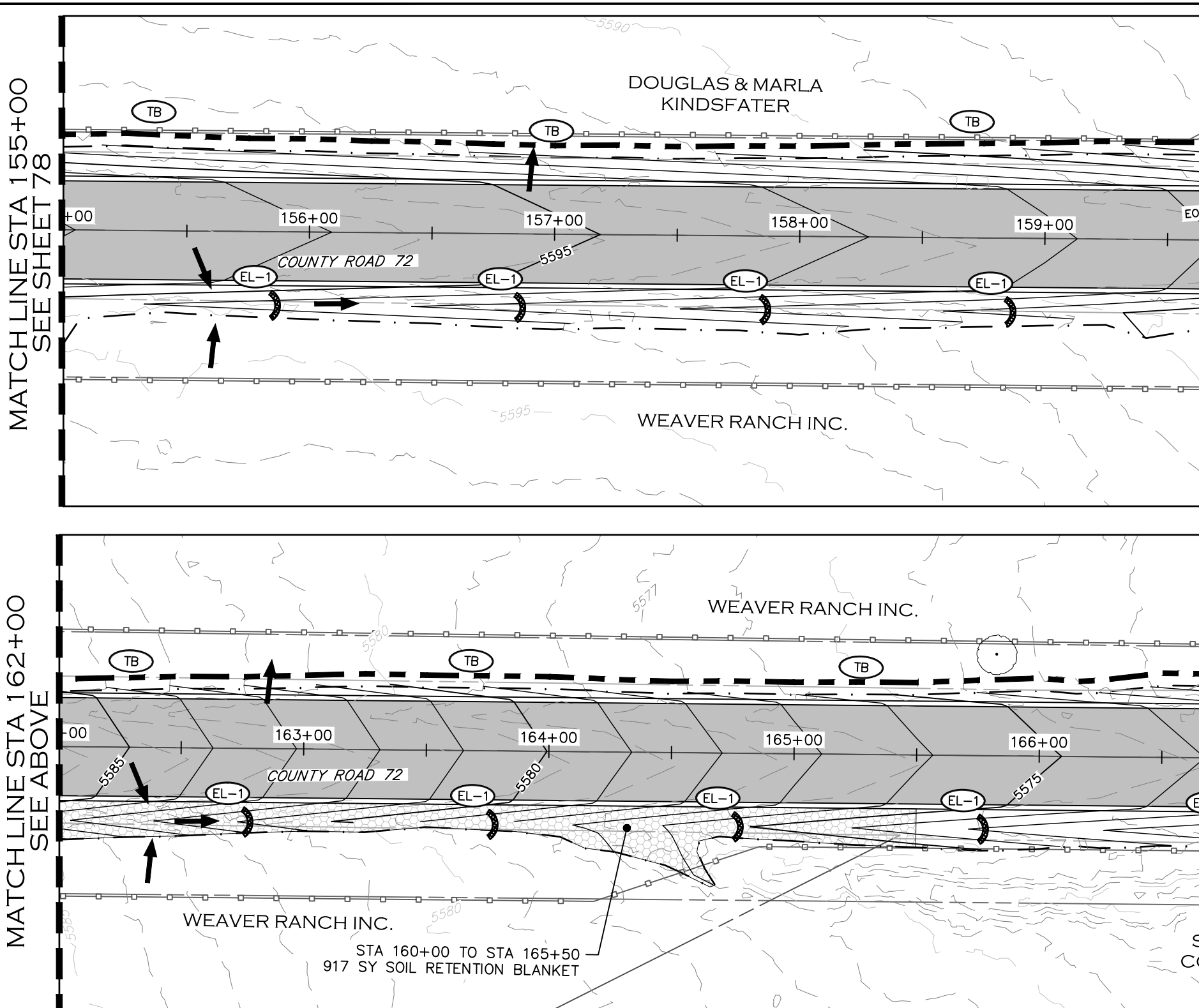

EOP: 46.03
5745
FO
5742
T
18" INV=38.5
EOP: 43.68
EL-2
US HIGHWAY 287
5743
EOP: 42.20
EOP: 42.39
EOA: 42.70
EOA: 42.48
EOA: 43.39
EOA: 44.31
ME: 45.75
PRIVATE DRIVE
5748
5747
5745
ME: 45.71
TB
EOA: 44.89
EOA: 44.59
5740
5743
2.0%
5.0%
ARTHUR & KAREN
5118 W COUNTY
104+00
103+00
102+00
101+00
100+00
COUNTY ROAD 72
EOA: 45.46
ME: 44.93
ME: 44.27
5736
5740
5735
STORM LINE 1
18" RCP
EOP: 40.46
EOP: 42.18
EOP: 41.61
EOA: 40.27
18" INV=34.2
EOP: 37.95
EL-3
STA 101+75 TO 104+25
575 SY SOIL RETENTION BLANKET
STEVEN & PATTI
STOUT
CDOT
RIGHT-OF-WAY
5730
5740
TX
VICTORIA MARTINS
5106 W COUNTY ROAD 72
STA 106+65 TO 109+50
524 SY SOIL RETENTION BLANKET
OHE
EL-1
5720
5740
108+00
109+00
110+00
111+00
5735
5730
5725
COUNTY ROAD 72
THD
CULVERT 2
18" RCP
EOA: 25.87
EOA: 23.45
18" INV=23.3
18" INV=21.5
5725
5730
CH LINE STA 107+00
SEE ABOVE

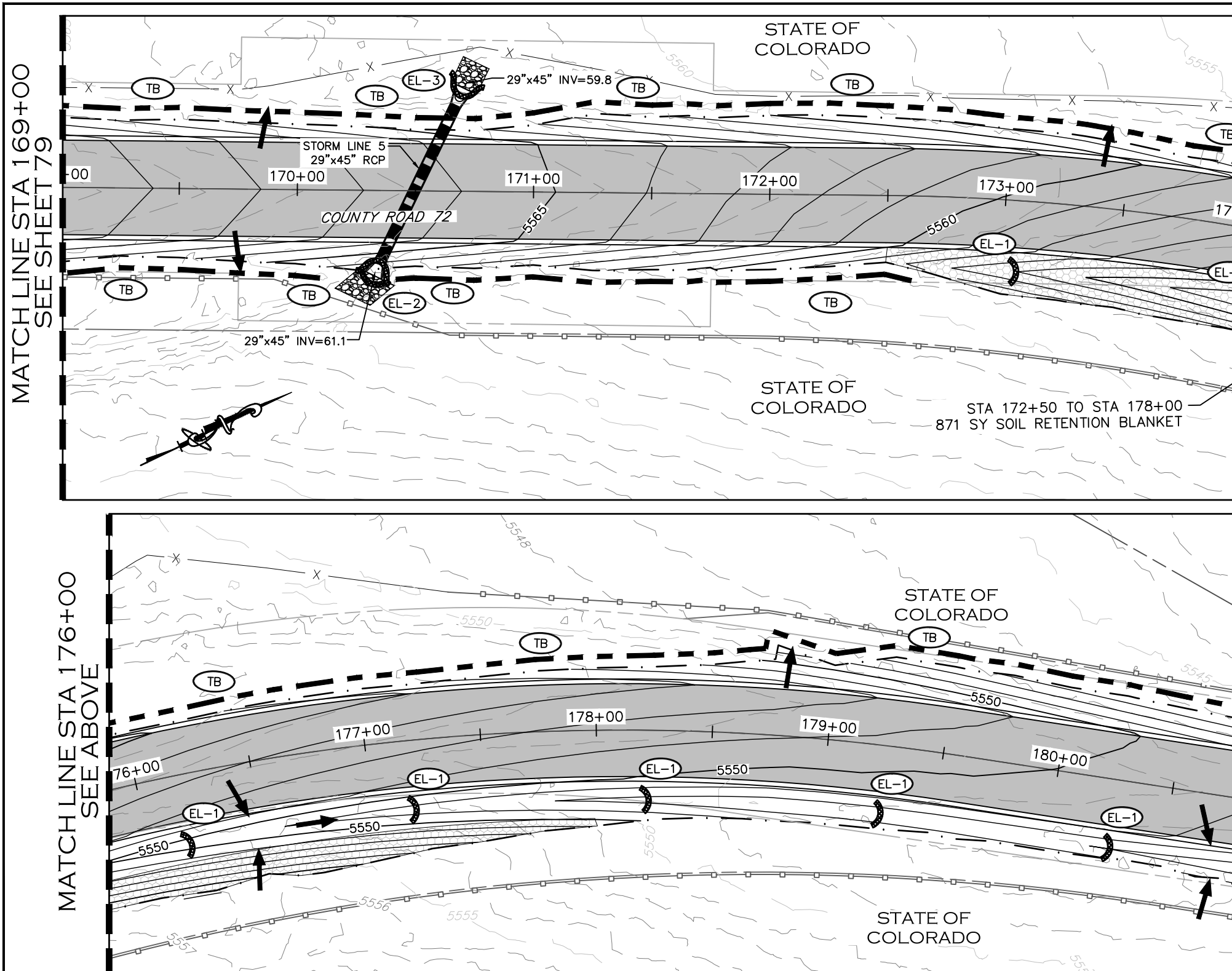

HERBERT SWARTZ
STA 113+90 TO 116+00
457 SY SOIL RETENTION BLANKET
ME: 12.86
ME: 12.69
18" INV=13.9
CULVERT 3
18" RCP
EOA: 15.82
18" INV=12.8
EOA: 14.90
EOA: 16.35
EOA: 16.27
114+00
115+00
116+00
117+00
118+00
COUNTY ROAD 72
EL-1
EL-2
EL-3
5700
5705
5710
5715
5720
MATCH LINE STA 113+50
SEE SHEET 51
TB
HERBERT SWARTZ
SEE SHEET 50
FOR OWL CANYON TRAIL
INTERSECTION GRADING
24" INV=90.0
STEVE & CYNTHIA MONELL
OWL CANYON TRAIL
5691
5692
5695
5698
MATCH LINE STA 120+00
SEE ABOVE
120+00
121+00
122+00
123+00
124+00
STORM LINE 2
24" RCP

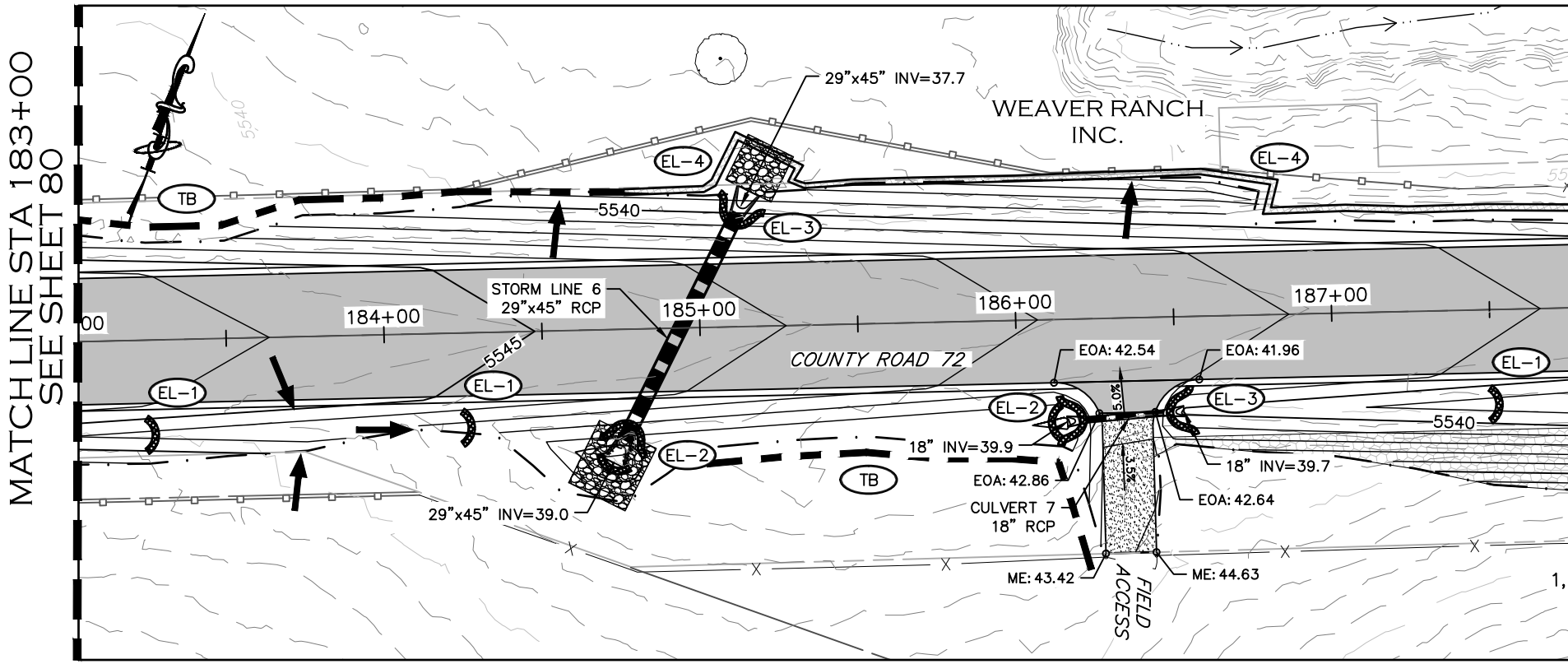

MATCH LINE STA 127+00
SEE SHEET 76
STA 127+00 TO 129+15
363 SY SOIL RETENTION BLANKET
WEAVER RANCH INC.
CULVERT 5
18" RCP
FG: 99.07
ME: 98.51
18" INV=97.3
EOA: 00.15
EOA: 00.05
EOA: 99.10
EOA: 97.73
FG: 98.64
ME: 97.72
18" INV=96.2
GUN CLUB ACCESS RD
COUNTY ROAD 72
MATCH LINE STA 134+00
SEE ABOVE
STEVE & CYNTHIA MONELL
TB
OHE
EL-1
EL-2
EL-3
128+00
129+00
130+00
131+00
135+00
136+00
137+00
138+00

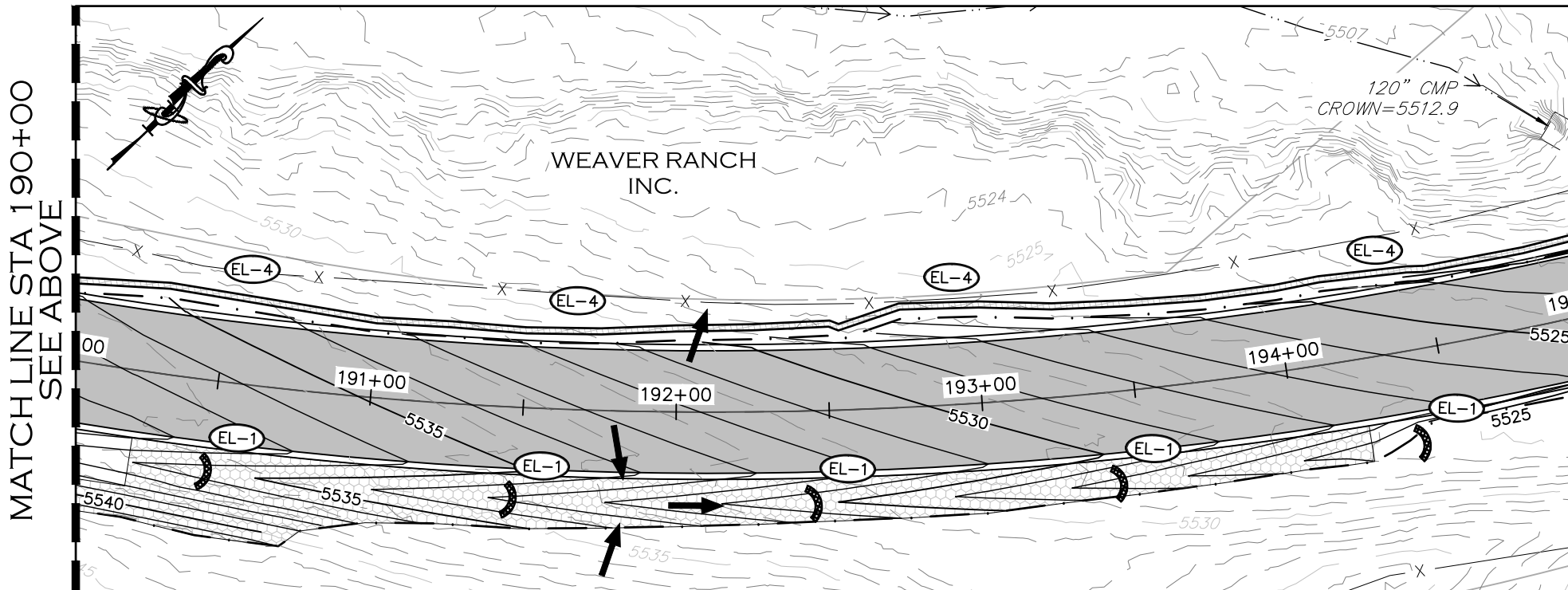

MATCH LINE STA 141+00
SEE SHEET 77
STA 139+75 TO 141+85
345 SY SOIL RETENTION BLANKET
PRIVATE DRIVE
ME: 23.19
ME: 23.43
CULVERT 6
18" RCP
EOA: 24.36
EOA: 23.45
EOA: 24.44
EOA: 22.69
18" INV=21.7
18" INV=20.8
EL-1
EL-2
EL-3
TB
5620
5625
142+00
143+00
144+00
145+00
COUNTY ROAD 72
24"X38" INV=13.1
STA 139+75 TO 144+75
800 SY SOIL RETENTION BLANKET
WEAVER RANCH INC.

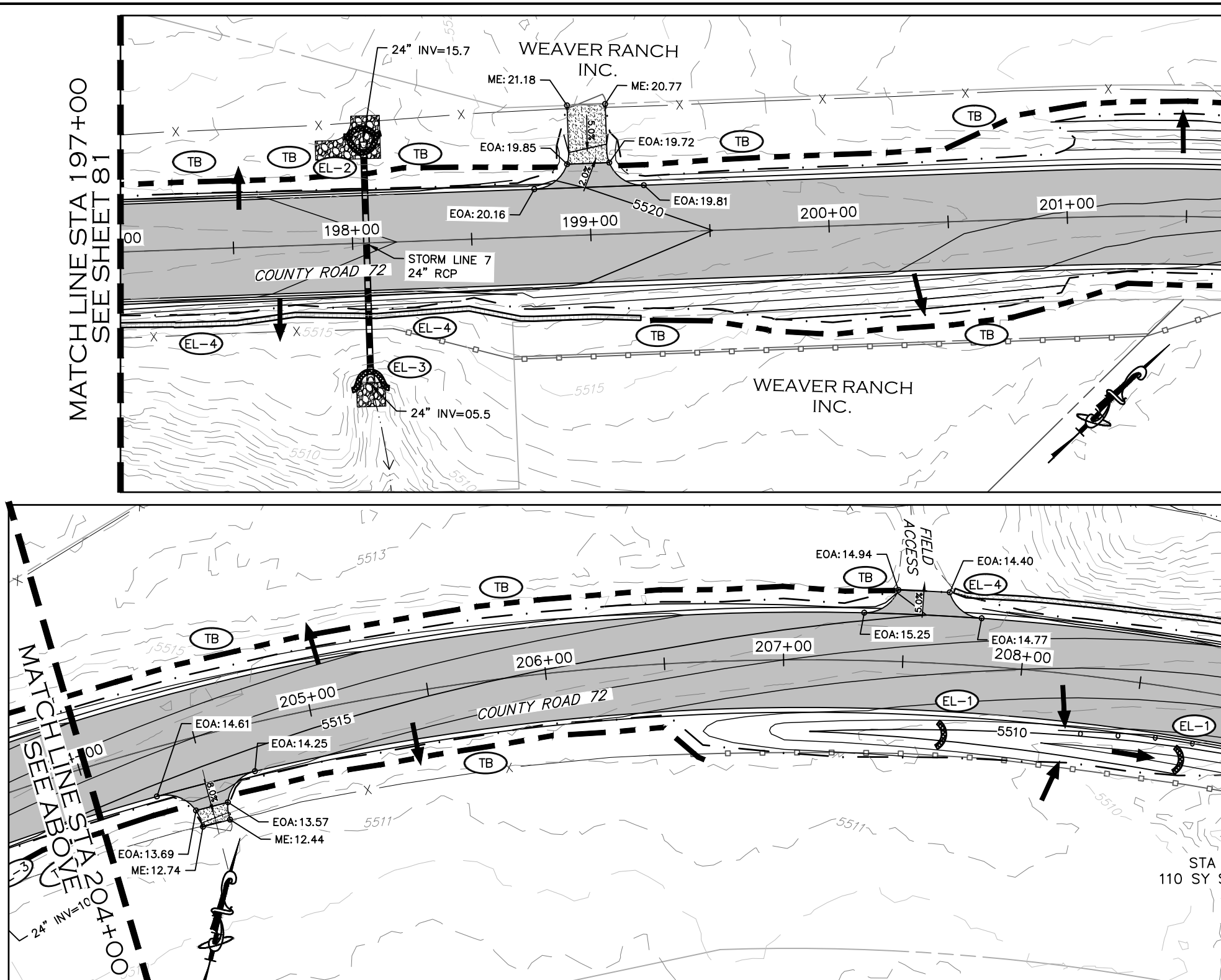

MATCH LINE STA 148+00
SEE ABOVE
ROBERT & VICTORIA
MORTIMER
TB
EL-1
5605
5610
5615
5600
149+00
150+00
151+00
152+00
COUNTY ROAD
WEAVER RANCH INC.

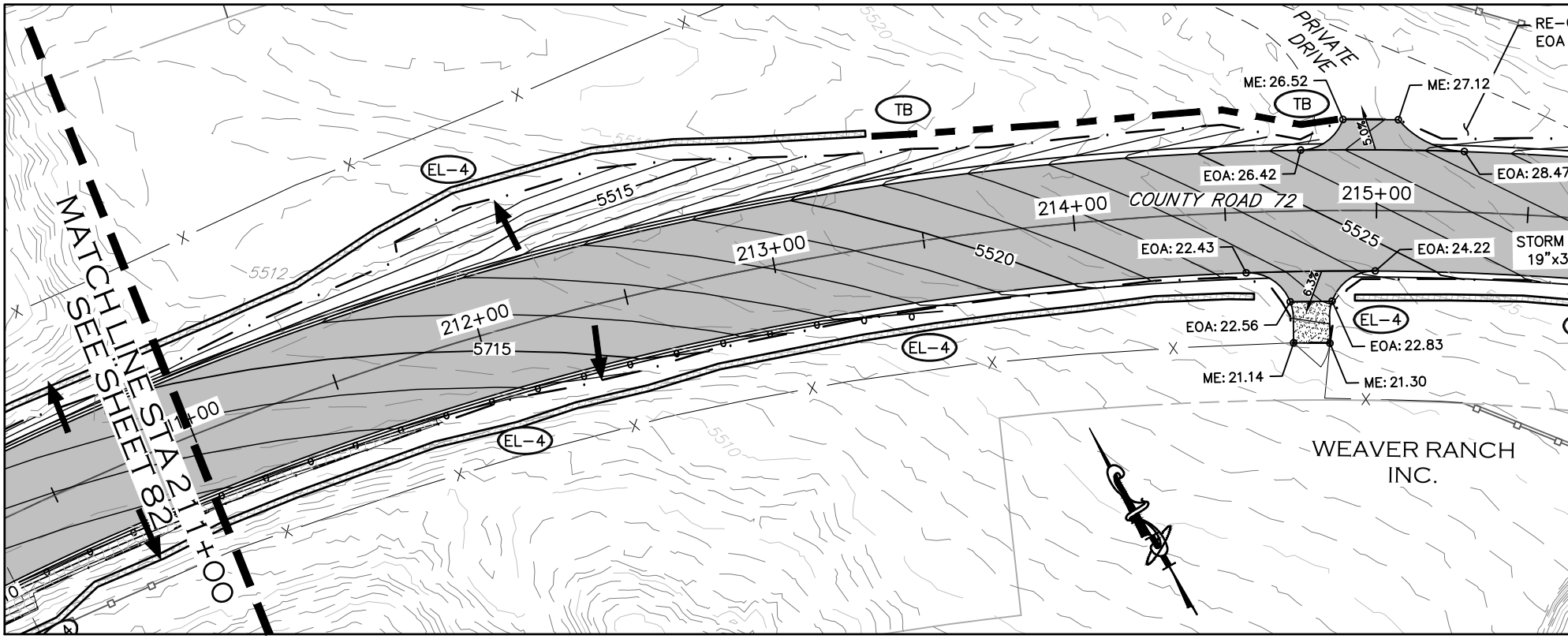

MATCH LINE STA 155+00
SEE SHEET 78
DOUGLAS & MARLA
KINDSFATER
TB
TB
TB
+00
156+00
157+00
158+00
159+00
COUNTY ROAD 72
5595
EL-1
EL-1
EL-1
EL-1
WEAVER RANCH INC.
MATCH LINE STA 162+00
SEE ABOVE
WEAVER RANCH INC.
TB
TB
TB
-00
163+00
164+00
165+00
166+00
5585
COUNTY ROAD 72
5580
5575
EL-1
EL-1
EL-1
EL-1
WEAVER RANCH INC.
STA 160+00 TO STA 165+50
917 SY SOIL RETENTION BLANKET

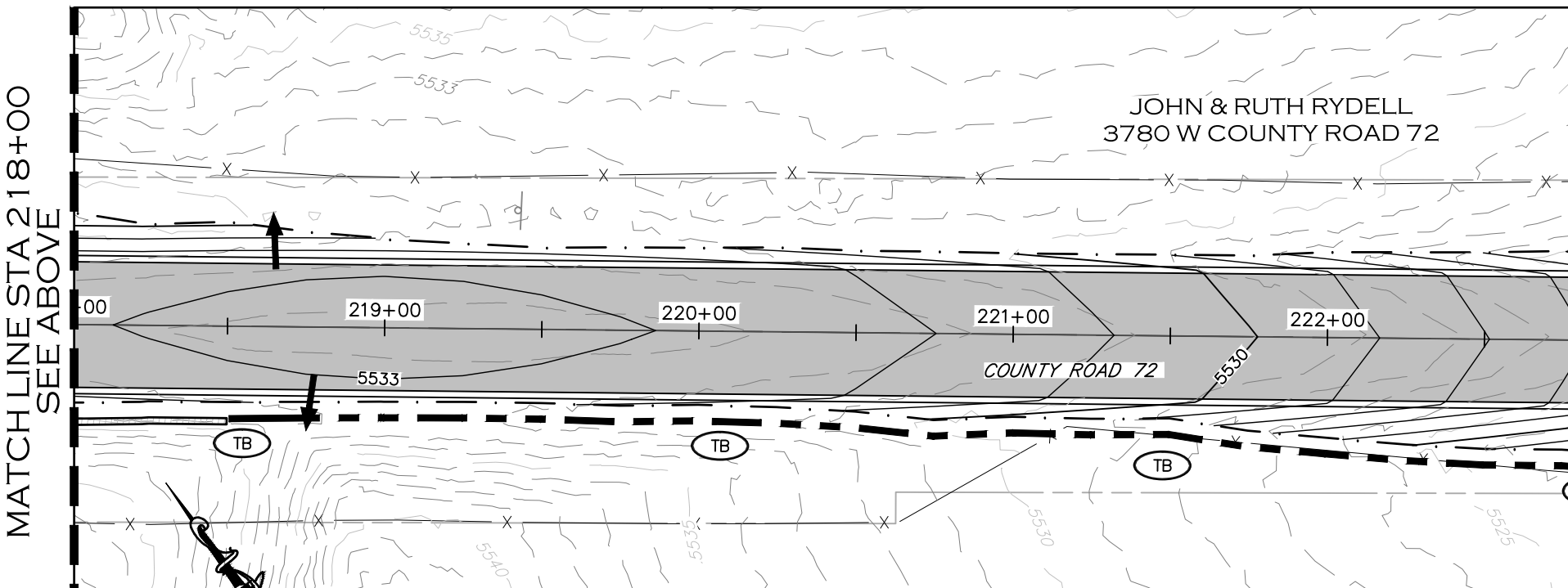

MATCH LINE STA 169+00
SEE SHEET 79
STATE OF
COLORADO
TB
EL–3
29"x45" INV=59.8
STORM LINE 5
29"x45" RCP
170+00
171+00
172+00
173+00
COUNTY ROAD 72
5565
5560
EL–1
EL–2
29"x45" INV=61.1
STATE OF
COLORADO
STA 172+50 TO STA 178+00
871 SY SOIL RETENTION BLANKET
MATCH LINE STA 176+00
SEE ABOVE
STATE OF
COLORADO
177+00
178+00
179+00
180+00
176+00
5550
5556
5555
STATE OF
COLORADO

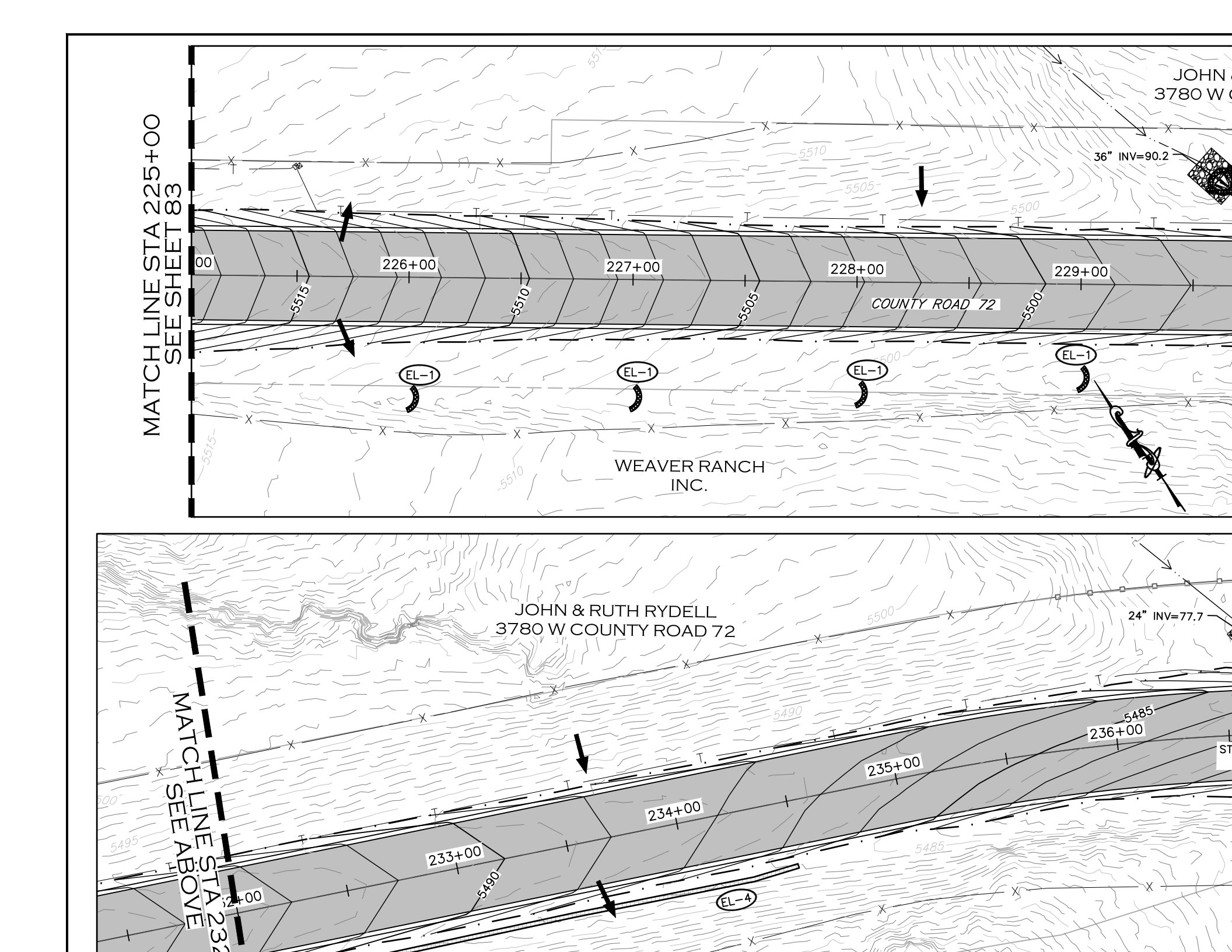

MATCH LINE STA 183+00
SEE SHEET 80
29"x45" INV=37.7
WEAVER RANCH
INC.
EL-4
TB
5540
EL-3
STORM LINE 6
29"x45" RCP
184+00
185+00
186+00
187+00
5545
COUNTY ROAD 72
EOA: 42.54
EOA: 41.96
EL-1
EL-2
5.0%
18" INV=39.9
18" INV=39.7
3.5%
EOA: 42.86
EOA: 42.64
CULVERT 7
18" RCP
29"x45" INV=39.0
ME: 43.42
ME: 44.63
FIELD
ACCESS

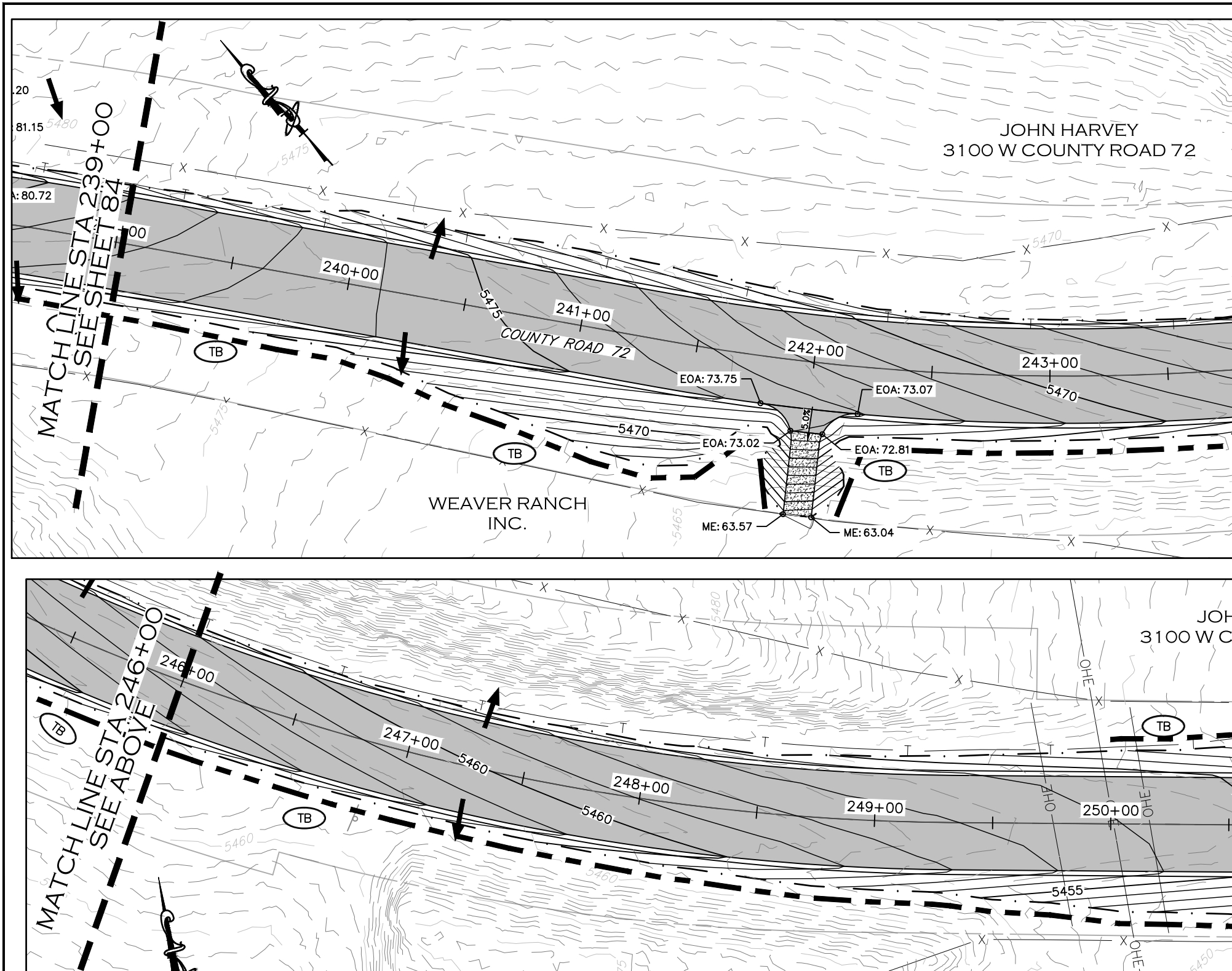

MATCH LINE STA 190+00
SEE ABOVE
WEAVER RANCH
INC.
5507
120" CMP
CROWN=5512.9
5524
5530
5525
EL-4
191+00
192+00
193+00
194+00
5535
5540
EL-1

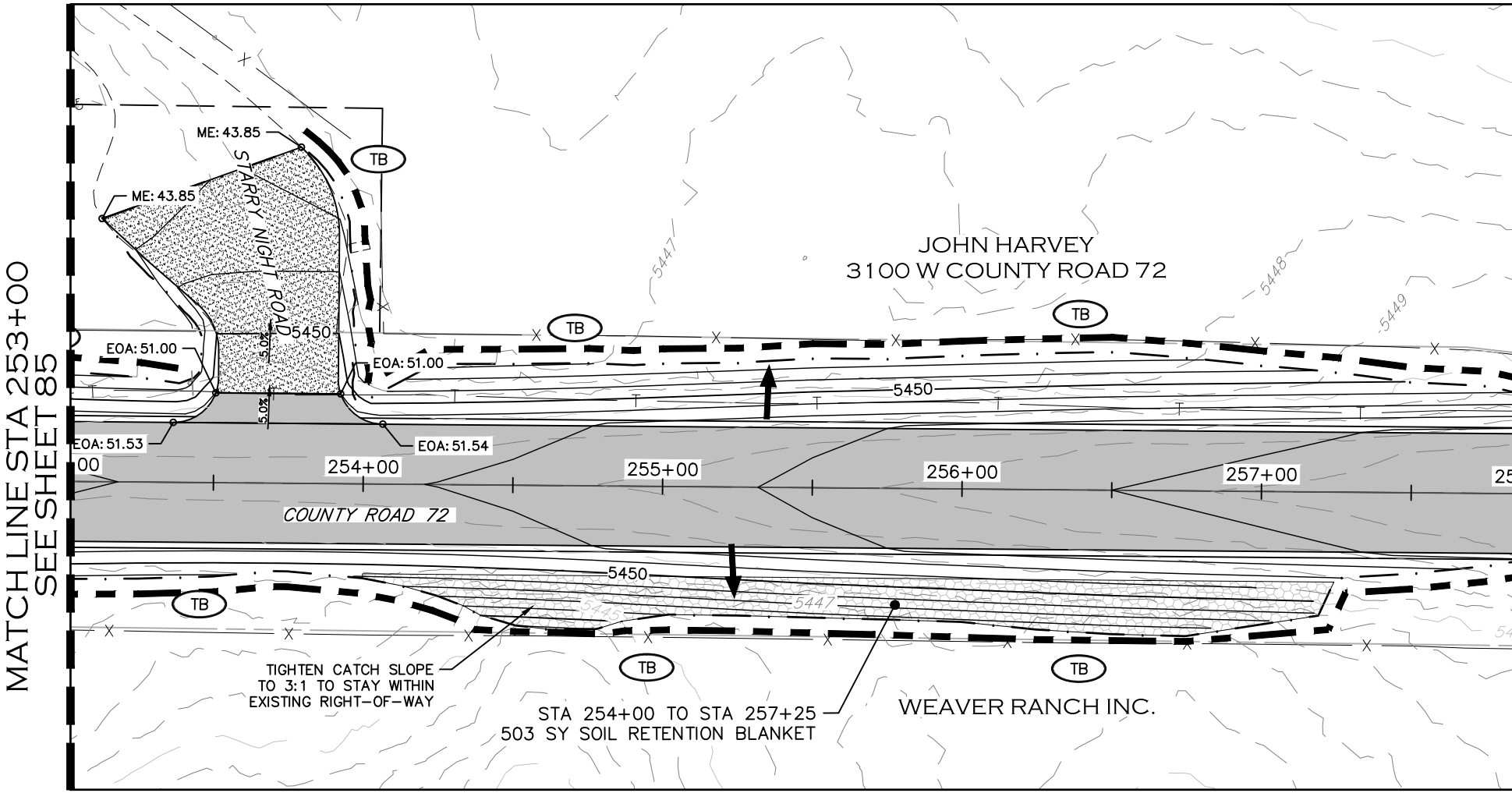

MATCH LINE STA 197+00
SEE SHEET 81
24" INV=15.7
WEAVER RANCH
INC.
ME: 21.18
ME: 20.77
EOA: 19.85
EOA: 19.72
EOA: 20.16
EOA: 19.81
5.0%
2.0%
TB
EL-2
EL-4
EL-3
198+00
199+00
200+00
201+00
5520
STORM LINE 7
24" RCP
COUNTY ROAD 72
24" INV=05.5
5515
5510
WEAVER RANCH
INC.
FIELD
ACCESS
EOA: 14.94
EOA: 14.40
EOA: 15.25
EOA: 14.77
5.0%
205+00
206+00
207+00
208+00
EL-1
5513
EOA: 14.61
EOA: 14.25
8.0%
EOA: 13.57
ME: 12.44
EOA: 13.69
ME: 12.74
5511
24" INV=10
MATCH LINE STA 204+00
SEE ABOVE
STA
110 SY


MATCHLINE STA 211+00
SEE SHEET 82
PRIVATE DRIVE
TB
EL-4
5515
5520
5512
213+00
214+00
COUNTY ROAD 72
215+00
5525
212+00
5715
211+00
5510
ME: 26.52
ME: 27.12
EOA: 26.42
EOA: 28.47
EOA: 22.43
EOA: 24.22
EOA: 22.56
EOA: 22.83
ME: 21.14
ME: 21.30
6.32
5.05
STORM
19"x3
WEAVER RANCH
INC.


MATCHLINE STA 218+00
SEE ABOVE
JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
219+00
220+00
221+00
222+00
5533
5535
COUNTY ROAD 72
5530
TB
5540
5525


MATCH LINE STA 225+00
SEE SHEET 83
JOHN
3780 W
36" INV=90.2
226+00
227+00
228+00
229+00
COUNTY ROAD 72
5515
5510
5505
5500
EL-1
EL-1
EL-1
EL-1
WEAVER RANCH
INC.
JOHN & RUTH RYDELL
3780 W COUNTY ROAD 72
24" INV=77.7
MATCH LINE STA 232
SEE ABOVE
233+00
234+00
235+00
236+00
5490
5485
EL-4


JOHN HARVEY
3100 W COUNTY ROAD 72
MATCH LINE STA 239+00
SEE SHEET 84
240+00
241+00
242+00
243+00
5475
COUNTY ROAD 72
5470
5460
5455
TB
EOA: 73.75
EOA: 73.07
EOA: 73.02
EOA: 72.81
5.0%
WEAVER RANCH
INC.
ME: 63.57
ME: 63.04
MATCH LINE STA 246+00
SEE ABOVE
246+00
247+00
248+00
249+00
250+00
OHE


MATCH LINE STA 253+00
SEE SHEET 85
ME: 43.85
ME: 43.85
STARRY NIGHT ROAD
5450
5.0%
5.0%
EOA: 51.00
EOA: 51.00
EOA: 51.53
EOA: 51.54
TB
TB
TB
TB
TB
JOHN HARVEY
3100 W COUNTY ROAD 72
5447
5448
5449
5450
5450
5447
254+00
255+00
256+00
257+00
COUNTY ROAD 72
TIGHTEN CATCH SLOPE
TO 3:1 TO STAY WITHIN
EXISTING RIGHT-OF-WAY
STA 254+00 TO STA 257+25
503 SY SOIL RETENTION BLANKET
WEAVER RANCH INC.

1. SITE DESCRIPTION

The Contractor shall comply with all CDOT contractual requirements and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update to reflect current project site conditions.

A. PROJECT SITE LOCATION: Larimer County Road (LCR) 72 is located in Northeast Larimer County. The improvements to LCR 72 extend from Highway 287 to County Road 21.
Location or address of construction office: To Be Determined

B. PROJECT SITE DESCRIPTION: LCR 72 Roadway improvements include re-alignment of multiple horizontal curves and re-grading of several large vertical curves to improve sight distance and increase the design speed along the corridor. The new roadway will be paved with asphalt and have two 12-foot travel lanes and 8-foot paved shoulders. Catch slopes will be constructed to improve the overall safety of the roadway. Improvements also include removing and replacing multiple culverts to maintain historic drainage patterns in the area. The project also includes the addition of a concrete box culvert at Owl Creek.

C. PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES: The construction will follow the following general sequence:

1. Install perimeter control and pre-construction Best Management Practices (BMPs), including installation of temporary tree protection.
2. Clearing, grubbing, and tree removal.
3. Removal of existing roadway material.
4. Strip and Stockpile topsoil.
5. Excavation and grading for new roadway profile.
6. Installation of precast concrete box culverts.
7. Installation of storm sewer and culverts.
8. Roadway paving.
9. Stabilize disturbed areas (seeding and mulching)
10. Remove BMPs upon site stabilization and County approval.

D. ACRES OF DISTURBANCE:

1. Total area of construction site (LOC (PERMITTED AREA)): 2,187,880 sq. ft. (50.22 acres)
2. Total area of proposed disturbance (LDA): 1,325,950 sq. ft. (30.45 acres)
3. Total area of seeding: 505,460 sq. ft. (11.60 acres)
4. Total area of pre-project impervious surface: 9,280 sq. ft. (0.21 acres)
   Asphalt: 9,280 sq. ft. (0.21 acres)
   Gravel: 670,705 sq. ft. (15.40 acres)
5. Total area of final impervious surface: 641,980 sq. ft. (14.74 acres)

E. EXISTING SOIL DATA: Existing soil type includes: Connerton-Sylvandale complex, Kirtley-Robertsranch complex, Baller-Rock outcrop complex, Harlan loam, and Rock outcrop.

F. EXISTING VEGETATION, INCLUDING PERCENT COVER:
During design the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects as outlined in Chapter 4.11.2 of the CDOT's Erosion Control and Stormwater Quality Guide. https://www.codot.gov/programs/environmental/landscape-architecture/erosion-storm-quality/swqchapter4.pdf]

Pre-Construction Date of survey: _____ % Density: _____
Description of existing vegetation:
Map or table showing transect locations in SWMP tab 17:

Post-Construction Date of survey: _____ % Density: _____
Description of existing vegetation: **Date of CDPS-SCP Closure:** _____
Map or table showing transect locations in SWMP tab 17:

H. RECEIVING WATER:

1. Outfall locations: There are 13 storm drainage patterns. There are also 6 pr driveway access locations. The majori two large existing culverts that convey that will not be impacted with this pro constructed with this project to elimin drainage is identified as Owl Creek. A and profile sheets.
2. Names of immediate receiving wat
3. Ultimate receiving water(s): Dry Cre
4. Horizontal distance to nearest ultim
5. Description of all stream crossings l

Location	Stream Name
STA 120+00	Owl Creek
STA 170+50	Unnamed DRN 3 – tributa Campbell Creek
STA 195+60	Campbell Creek Tributar
STA 210+20	Campbell Creek
STA 216+00	Unnamed DRN 2 – tributa Campbell Creek
STA 230+20	Unnamed DRN 1 – tributa Campbell Creek

I. ALLOWABLE NON-STORMWATER DIS

ALLOWABLE:

1. Groundwater and stormwater dew dewatering activities may be
   a. the source is groundwater and pollutants
   b. the source and BMPs/Control
   c. discharges do not leave the si
   d. The contractor shall protect al facilities subject to flooding, r restored at no cost to the own Any dewatering shall be done

CONTAMINATED:

2. If discharges do not meet the above Contractor from the CDPHE. See stan Water.

Discharge Description
Dewatering*
Uncontaminated Spring
Concrete Wash Water (in-ground washo structure)
Landscape Irrigation Return Flows
Emergency Fire Fighting

*Refer to CDPHE Low Risk Discharge G https://www.colorado.gov/pacific/sit

*If ground water does not meet water

2. SITE MAP COMPONENTS:

Pre-construction

A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES See limits of grading on the Grading & Erosion Control Plan.

B. ALL AREAS OF GROUND SURFACE DISTURBANCE See limits of grading on the Grading & Erosion Control Plan.

C. AREAS OF CUT AND FILL See roadway Plan and Profile and the Grading & Erosion Control Plan.

D. LOCATION OF ALL STRUCTURAL CONTROL MEASURES IDENTIFIED IN THE SWMP See Grading & Erosion Control Plan.

E. LOCATION OF NON-STRUCTURAL CONTROL MEASURES AS APPLICABLE IN THE SWMP SWMP Contractor to identify the need and location for non-structural BMPs.

F. STREAMS, SPRINGS, WETLANDS AND OTHER STATE WATERS, INCLUDING AREAS THAT REQUIRE PRE-EXISTING VEGETATION BE MAINTAINED WITHIN 50 FEET OF A RECEIVING WATER See Grading & Erosion Control Plan.

G. PROTECTION OF TREES, SHRUBS AND CULTURAL RESOURCES See Demolition Plan for trees to remain in place.

H. FLOW ARROWS THAT DEPICT STORMWATER FLOW DIRECTIONS ON-SITE AND RUNOFF DIRECTION See Grading & Erosion Control Plan.

I. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) WASTE ACCUMULATION and BATCH PLANTS INCLUDING MASONARY MIXING STATIONS Contractor to identify.

J. LOCATIONS OF ALL STREAM CROSSING LOCATED WITHIN THE CONSTRUCTION SITE BOUNDARY See Plan & Profile Key Map.

3. QUALIFIED STORMWATER MANAGERS:

A. SWMP ADMINISTRATOR FOR DESIGN: CDOT Certified Individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase. [The 207 & 212 requires that topsoil testing and the topsoil amendment requirements be completed by the SWMP Administrator for Design, for additional information see the SWMP development tools on the Landscape Architecture Section Website https://www.codot.gov/programs/environmental/landscape-architecture/207-and-212-psp-required-swmp-development-tools-1]

Name/Title	Contact Information	Certification #
Skylar Brower	sbrower@interwestgrp.com	

C. SWMP ADIMISTRATOR FOR CONSTRUCTION: (As defined in Subsection 208) The Contractor shall designate a SWMP Administrator for Construction upon accepting co-permittee of the permit. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (Copy of TECS Certification must also be included in the SWMP.)

Name/Title	Contact Information	Certification #	Start Date	Engineer

C. EROSION CONTROL INSPECTOR
Erosion Control Inspector. The Erosion
208.03 (c) (Copy of TECS Certification

Name/Title	Contact Inf email)

D. PERMANENT STABILIZATION SUBJEC
Environmentcl Staff member, or an Indepenc expert is a project team leader responsible fc Project Special Provisions as follows, and will requirements. https://www.codot.gov/progr verification-checklist-for-successful-roadside-

1. Review the Topsoil Manageme
2. Attend the Environmental Pre-
3. Coordinate the Site Pre-veget
4. Review and recommend app
5. Review and recommend app
6. Attend the Substantial Landsc
7. Attend the Final Landscape C

Name/Title

4. STORMWATER MANAGEMENT CONT

THE CONTRACTOR SHALL PERFORM THE FOLL

A. POTENTIAL POLLUTANT SOURCE
Evaluate, identify, locate and with subsection 107.25, CDPS- pollutants shall be shown on t Construction.

B. OFFSITE DRAINAGE (RUN ON W
1. Describe and record contro address off site run-on water i

C. VEHICLE TRACKING CONTROL
1. Control measures shall be

D. PERIMETER CONTROL
1. Perimeter control shall be e pollutants leaving the construc discharging to state waters. P
2. Perimeter control may cons measures as approved.

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP Administrator for Construction

The SWMP should be considered a "living document" that is continuously reviewed and modified throughout the construction phasing. During construction, the following items shall be added, updated, or amended as needed by the SWMP Administrator for Construction in accordance with subsection 208.03.

During construction, indicate how items that have not been addressed during design are being handled in construction. If items are covered in the template or other sections of the SWMP, indicate below what section the discussion takes place.

A. MATERIALS HANDLING AND SPILL PREVENTION: prior to construction commencing the Contractor shall submit a Spill Prevention, Control and Countermeasure Plan, see subsection 208.06. Materials handling shall be in accordance with subsection 208.06.

B. STOCKPILE MANAGEMENT: Shall be done in accordance with subsections 107.25 and 208.07

C. CONCRETE WASHOUT: Concrete wash out water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

D. SAW CUTTING: Shall be done in accordance with subsections 107.25, 208.04, 208.05

E. STREET SWEEPING: Shall be done in accordance with subsection 208.04

6. INSPECTIONS

A. Water Quality Inspections shall be in accordance with subsection 208.03(c).

B. Permanent Stabilization Inspections shall be in accordance with subsections 207.03 and 212.05.

7. CONTROL MEASURE MAINTENANCE

A. Maintenance shall be in accordance with subsection 208.04(f).

8. RECORD KEEPING

A. Records shall be kept in accordance with subsection 208.03(d).

9. INTERIM, PERMANENT STABILIZATON and LONG TERM STORMWATER MANAGEMENT

The Contractor shall comply with all interim stabilization and permanent stabilization requirements in accordance with subsection 208.04(e).

A. SEEDING PLAN Soil Preparation, soil conditioning or topsoil, seeding (native), mulching (weed free) and mulch tackifier will be required on an estimated 10.76 acres of disturbed area within the right-of-way limits which are not surfaced. The following types and rates shall be used:

[The CDOT Landscape Architects or the CDOT Seed Calculator located on the Landscape Architects website can be utilized to develop a seed mix. https://www.codot.gov/programs/environmental/landscape-architecture/native-seed-calculator]

The following seed mixes as shown on the Permanent Stabilization Site Maps and rates shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
TBD	TBD	TBD
TOTAL		

into the soil. In small areas not acc
rake 0.25 inch to 0.5 inch into the s

SEEDING METHOD (subsection 212.05)
Seeding (Native) Drill, CDOT Pay Item
Seeding (Native) Hydraulic, CDOT Pa
Seeding (Native) Broadcast, CDOT Pa
Seeding (Wetland) Drill, CDOT Pay Ite
Seeding (Wetland)Hydraulic, CDOT P
Seeding (Wetland) Broadcast, CDOT

The Contractor shall provide the lo
the Engineer. Seed stored by the C

C. MULCHING APPLICATION: Apply
certified weed free straw per acre and
soil in combination with an organic mu

1. Prior to winter shutdown or the
mulched with 2 tons of mulchin
combination with an organic m

D. SPECIAL REQUIREMENTS:

1. The Contractor shall increase th
hydraulic and broadcast meth
2. Soil amendments, seedbed pre
accomplished within four worki
subgrades. If placed topsoil is
days, the Contractor shall com
208.04(e) at no additional cost
3. Permanent stabilization mulchi
native seed.
4. The Contractor shall submit a p
approval showing how the SW
damage to seeded areas.

E. SOIL AMENDMENT REQUIREMENTS
receive seeding (native). [select meth
delete all others. Round quantities up t

	Pay Item	Description
Seeding (Native)Drill Pay Item 212-00706	212-00700	Organic Fer
	212-00701	Compost (M Applied)
	212-00703	Humate
	212-00704	Mycorrhizae
	212-00705	Elemental S

Tot

	Pay Item	Description
(Native) raulic em 212- 707	212-00700	Organic Fer
		Biotic Soil Ar

Total Acres of Seeding (Native) Broadcast

Seeding (Native)Broadcast Pay Item 212-00708	Pay Item	Description	Amount/Acre	Units	Total For This Method
	212-00700	Organic Fertilizer		Pounds	
	212-00701	Compost (Mechanically Applied)		CY	
	212-00703	Humate		Pounds	
	212-00704	Mycorrhizae		Pounds	
	212-00705	Elemental Sulfur		Pounds	

F. SOIL RETENTION COVERING: On slopes and ditches requiring a blanket or turf reinforcement mat (trm), the blanket/trm shall be placed in lieu of mulch and mulch tackifier and placed after seeding (native). See SWMP Site Map for blanket/trm locations.

G. Permanent Stabilization Application Under Structures: Under structures shade patterns should be considered and the use of Median Cover Material (Stone) or other stabilized options with an approved Project Special Provision should be used. See SWMP Site Map for locations. [The SWMP Administrator for Design should review the selected material for use under structures with the region environmental staff and hydraulic engineer]

H. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION:
Prior to partial acceptance. [Select item(s) that apply]

1. All seeded areas shall be reviewed during the 7 day inspections by the SWMP Administrator for Construction and or Erosion Control Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.
2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas until Partial Acceptance of the stormwater construction work.

I. LONG TERM STORMWATER MANAGEMENT
See Item #18 (as defined in section 208.03(D)(1) of the SWMP for long term management practices to control pollutants in stormwater discharges that will occur after construction operations are completed. [The SWMP Administrator for Design should work with the design team to determine if permanent water quality is required on the project]

10. PRIOR TO PROJECT FINAL ACCEPTANCE

A. Partial Acceptance shall be in accordance with subsections 107.25 (d), 208.10 and 214.04. At the Partial Acceptance of the project, it shall be determined by the SWMP Administrator for Construction and the Engineer which temporary control measures shall remain until 70% revegetation is established or which shall be removed. When directed by the Engineer, removal and disposal of temporary control measures shall be included in the cost of work.
B. At the end of the project, all ditch checks shall either consist of temporary erosion logs (or equivalent) or permanent riprap.
C. All storm drains shall be cleaned prior to the Final Acceptance of the project. Work shall be included in 202 Clean Culvert. [**Check with Region Water Quality staff to see if CLEAN CULVERT PSP is needed and what Pay Item to use.**]

11. NARRATIVES: [Below are the CDOT narratives covered in CDOT's Standard Specifications and M Standard Plans. Proposed non-standard control measures during
M-208 Standard or "X" for Non-Standard and provide a narrative. The narrative shall include what, when, where and why the control measure is being used. Also place
place a "B" in the Initial Activities Column for any control measures that must be installed before construction activity starts.]

Control Measure Matrixes During Construction:

1. Control measure narratives have been included for the CDOT Standard Specifications and Standard Plan M-208 and M-216 along with any non-standard con
   Control Measure not included in the SWMP is proposed and approved by the Engineer the SWMP Administrator for Construction shall do the following: Place
   Control Measure Specification and Narrative covering the what, when, where and why the control measure is being used shall be add to the SWMP. The app
2. The SWMP Administrator for Construction shall place an "X" in the column In Use On Site when the control measure has been installed.
3. A "B" in the Initial Activities Column indicates that the control measure shall be installed **before** construction activity starts. Locations and quantities will be dis
   Regional Water Pollution Control Manager.

STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

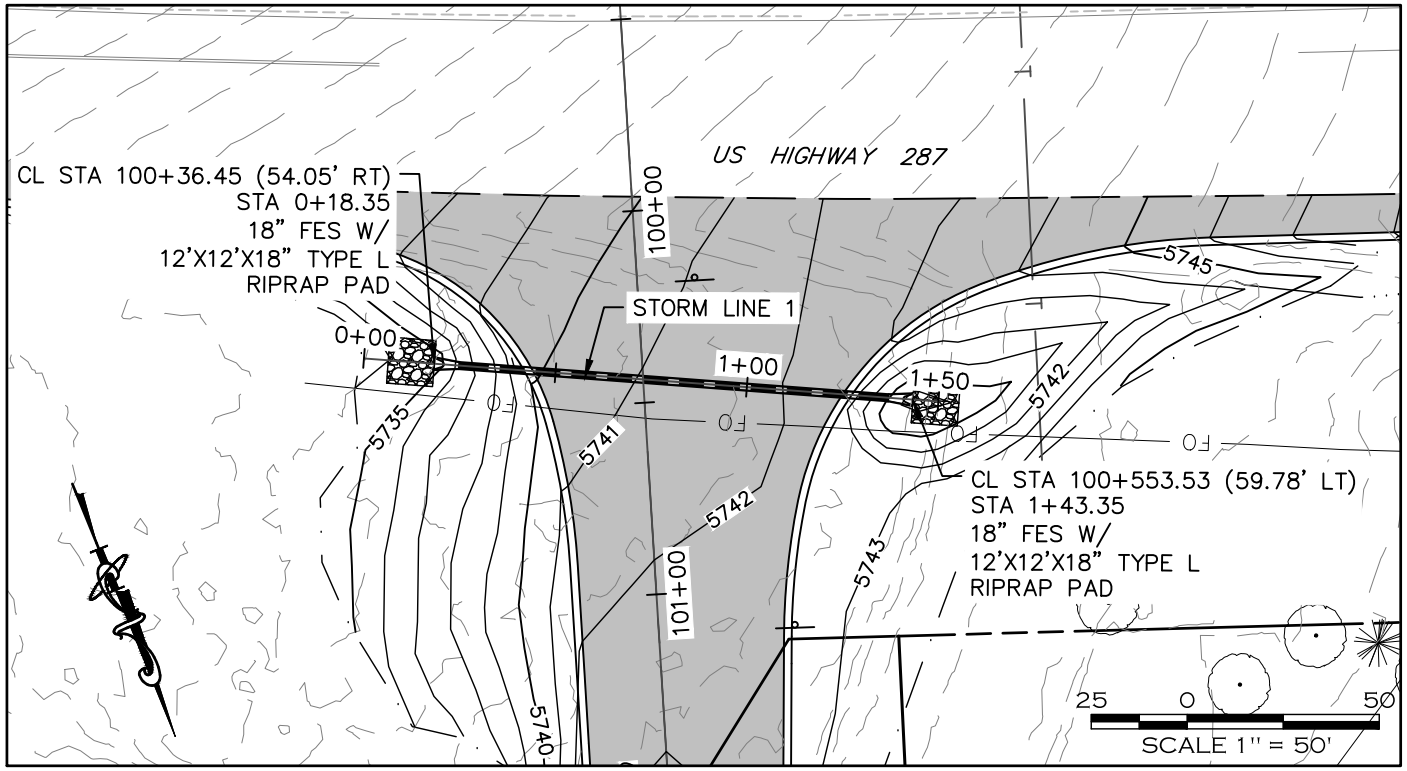
APPLICATION, CONTROL MEASURE	NARRATIVE	ST o ST
PROTECTION OF EXISTING WETLANDS *Fence (plastic) and erosion logs*	Fence (plastic) shall be placed in combination with erosion logs to prevent encroachment of construction traffic and sediment into state waters prior to start of construction disturbances. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.	
PROTECTION OF EXISTING TREES/LANDSCAPING *Fence (plastic)*	Fence (plastic) shall be used in areas indicated in the plans to prevent encroachment of construction traffic and sediment for the protection of mature trees and/or existing landscaping prior to start of construction disturbances.	
CHECK DAM/DITCH CHECK *Erosion log, silt berm, silt dike, rock check dam*	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in ditch. For existing ditches, place prior to start of construction disturbances.	
Storm Drain Inlet Protection In Paved Roadways (Type 1, 2 and 3 as shown on M-208-1, sheet 5 of 11)	Manufactured storm drain inlet protection placed prior to construction disturbances as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	
Storm Drain Inlet Protection In Native Seed Areas (M-604 Standard Inlets Type C and D)	Erosion logs or aggregate bags placed around inlet grate to prevent sediment from entering inlet. Place prior to construction disturbances to protect existing inlets or immediately upon completion of new inlets.	
CULVERT INLET/OUTLET PROTECTION *Erosion logs, aggregate bags*	Placed at mouth of culvert inlets and over top of culvert at inlet and outlet where disturbance may be occurring adjacent to pipe to prevent sediment laden water from entering pipe or drainage. Place prior to start of construction disturbances.	
TYPE C, TYPE D AND TYPE 13 PROTECTION *Erosion logs, aggregate bags, erosion bales*	Placed around inlet grate or slope and ditch paving to prevent sediment from entering inlet. Place prior to start of construction disturbances.	
STOCKPILE PROTECTION *Temporary berm, erosion logs, aggregate bags**	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stockpile, increase control as stockpile increases size.	
TOE OF FILL PROTECTION *Erosion logs, temporary berm, silt fence, topsoil windrow**	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.	
PERIMETER CONTROL *Erosion logs, silt fence, temporary berm, topsoil windrow**	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage.	
SEDIMENT CONTROL/ *SLOPE CONTROL* *Silt fence, erosion logs*	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to start of construction disturbances.	
TEMPORARY SEDIMENT TRAP	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior	

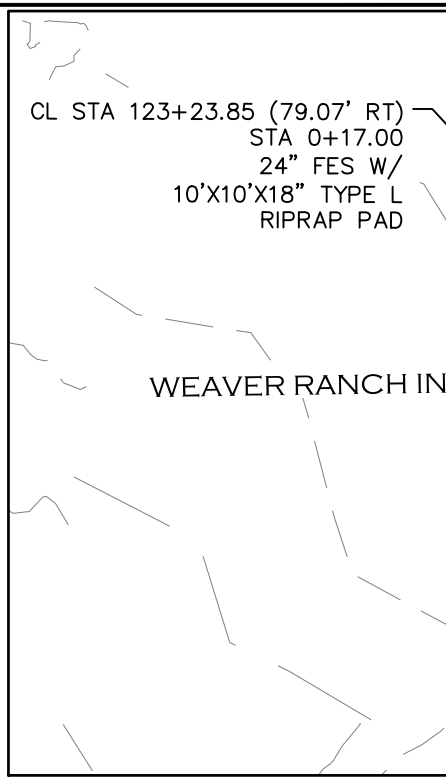
Riprap, or approved other		
CONCRETE WASHOUT *In-ground or fabricated*	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities.	M-208
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances.	M-208
Engineered SEDIMENT BASIN	Constructed early in project, prior to storm sewer/ditches and in accordance with 208.05(p) to capture storm flow. Outlet structure and/or outfall shall be modified for temporary sediment control using an approved non-standard detail. Outlets that withdraw water from or near the surface shall be installed when discharging from basins and impoundments, unless infeasible	
DEWATERING *(Contractor is responsible for obtaining a permit from Colorado Department of Health and Environment.)*	Shall be done in such a manner to prevent potential pollutants from entering state waters.	
TEMPORARY STREAM CROSSING	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.	
CLEAN WATER DIVERSION	Placed to divert clean surface or ground water around disturbance area to prevent it from mixing with construction runoff.	
OTHER		

NON-STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:
Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site. Construction controls are co
Control Measure locations are indicated on the SWMP Site Map.

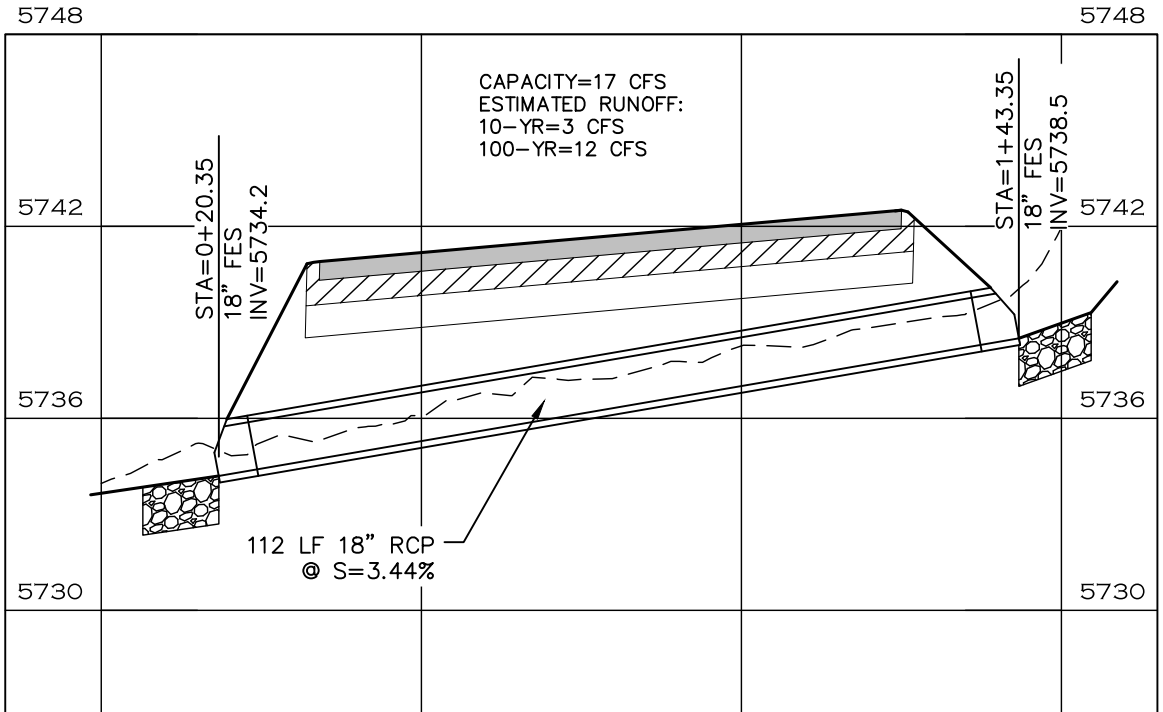
* **Use of vegetative buffer strip requirements.** The CDPHE Water Quality Control Division Technical Memorandum dated August 27, 2015 clarifies the requirements for utilization of exis
measure, while maintaining compliance with the CDPS permit for Stormwater Discharges Associated with Construction Activity – CDPS Permit No. COR4000000. In general, the divisi
implemented as a sediment removal control measure for runoff from disturbed areas at construction sites, unless implemented as a "finishing" component of a treatment train comp
Measures. The entire memorandum can be found at: **https://www.colorado.gov/pacific/sites/default/files/Vegetative%20Buffer%20Memo.pdf**

APPLICATION, CONTROL MEASURE	NARRATIVE	M-STANDARD or "For NON-STANDARD
** VEGETATIVE BUFFER STRIP* *Fence (plastic)*	Finishing component for filtering sediment-laden runoff from disturbance area. Area within CDOT ROW or temporary easement to be identified on SWMP prior to construction starting.	
GRADING APPLICATIONS (LANDFORM)	Existing or created landforms may be used as a control measure if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion. Area to be identified on SWMP prior to construction starting.	M-208
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE *Windrow or stockpile*	Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth four inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of four inches or as specified.	M-208
SURFACE ROUGHENING / GRADING TECHNIQUES	Temporary stabilization of disturbance and to minimize wind and erosion.	
SEEDING (TEMPORARY)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.	
BONDED FIBER MATRIX or MULCHING (HYDRAULIC)	Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Interim or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.	
Straw or Hay MULCH/MULCH TACKIFIER	Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as Interim Stabilization as a surface cover when work is temporarily halted and as approved by the Engineer	
SPRAY-ON MULCH BLANKET (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer	





STORM LINE 1



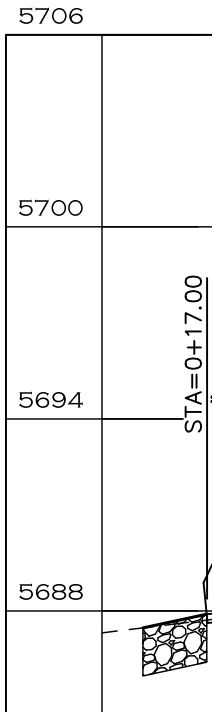
FOR INFORMATION ONLY

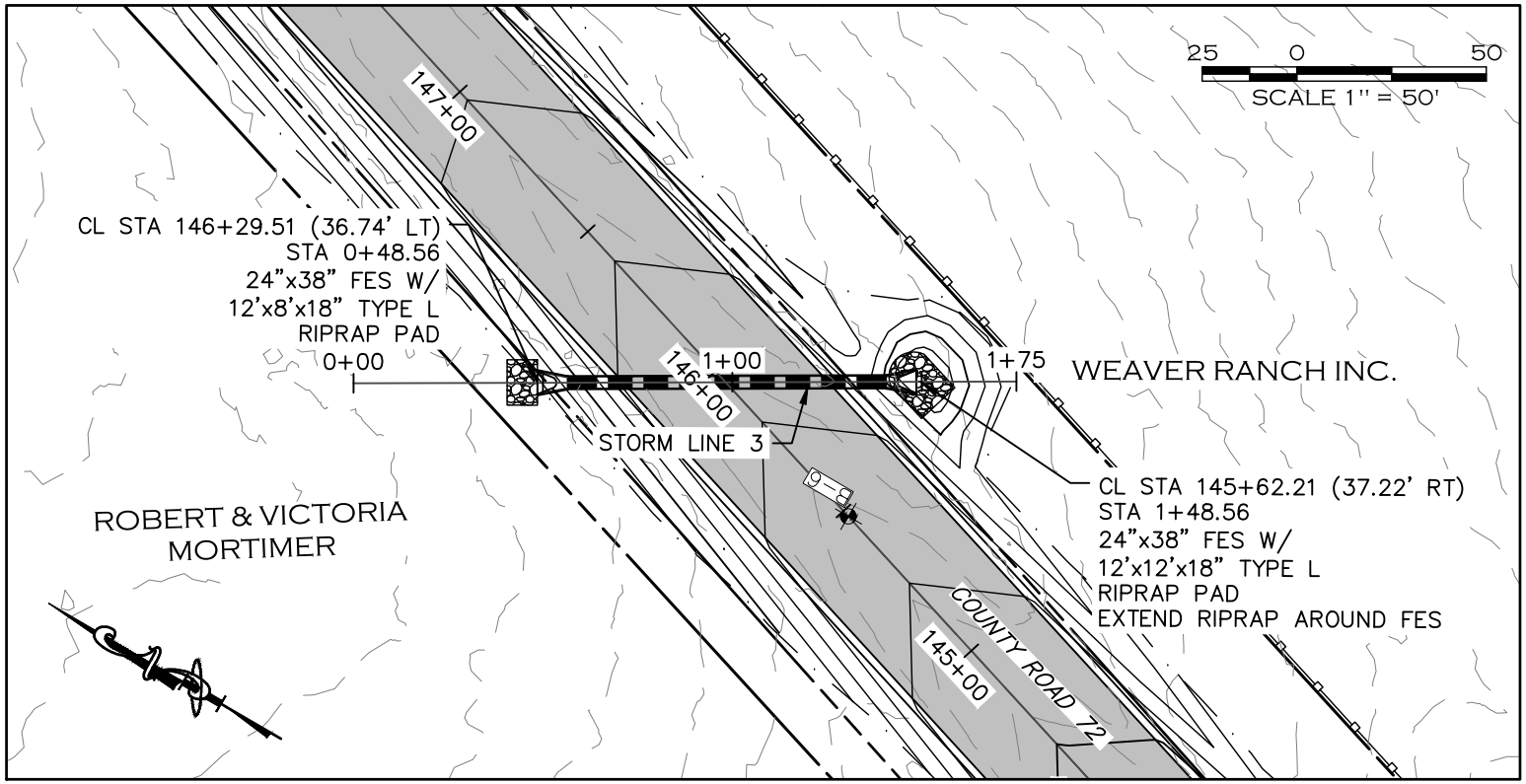
1. STORM CAPACITY IS FOR ENGINEERING DOCUMENTATION ONLY. ESTIMATED RUNOFF WAS CALCULATED USING STREAMSTATS.USGS.GOV
2. IT IS ANTICIPATED THAT WHILE TRAFFIC IS ON THE TEMP. 24' ROAD, STORM PIPE CONSTRUCTION WILL OCCUR FROM ROADWAY STATION RIGHT TO LEFT. A 1:1 TRENCH SLOPE WAS ASSUMED TO BE USED FROM THE EDGE OF THE 24' ROAD TO THE BOTTOM OF TRENCH. WHEN TRAFFIC IS FLIPPED OVER TO THE 30' BENCH (ULTIMATE ROAD SUBGRADE), THE REMAINDER OF THE STORM PIPE CAN BE CONSTRUCTED. FOR THE DEEPER STORM LINES (3, 7, 9, 11 AND 13), IT IS ANTICIPATED THAT ONE LANE OF TRAFFIC, 14-16' WIDE, CAN BE MAINTAINED WHILE COMPLETING THE STORM CONSTRUCTION.

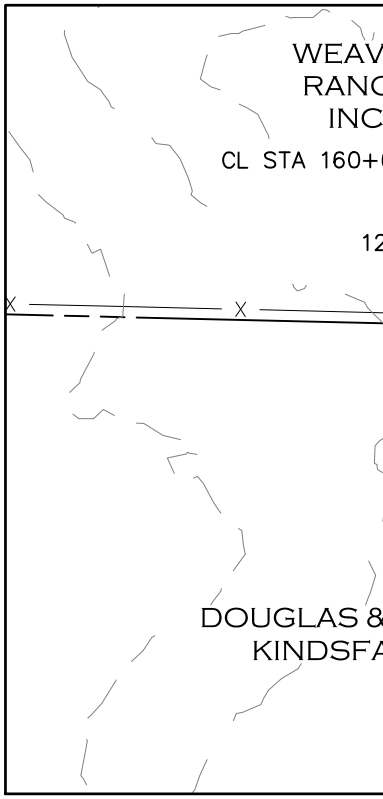
15 0 15 30
HORIZONTAL
SCALE: 1" = 30'
VERTICAL
SCALE: 1" = 6'

NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP







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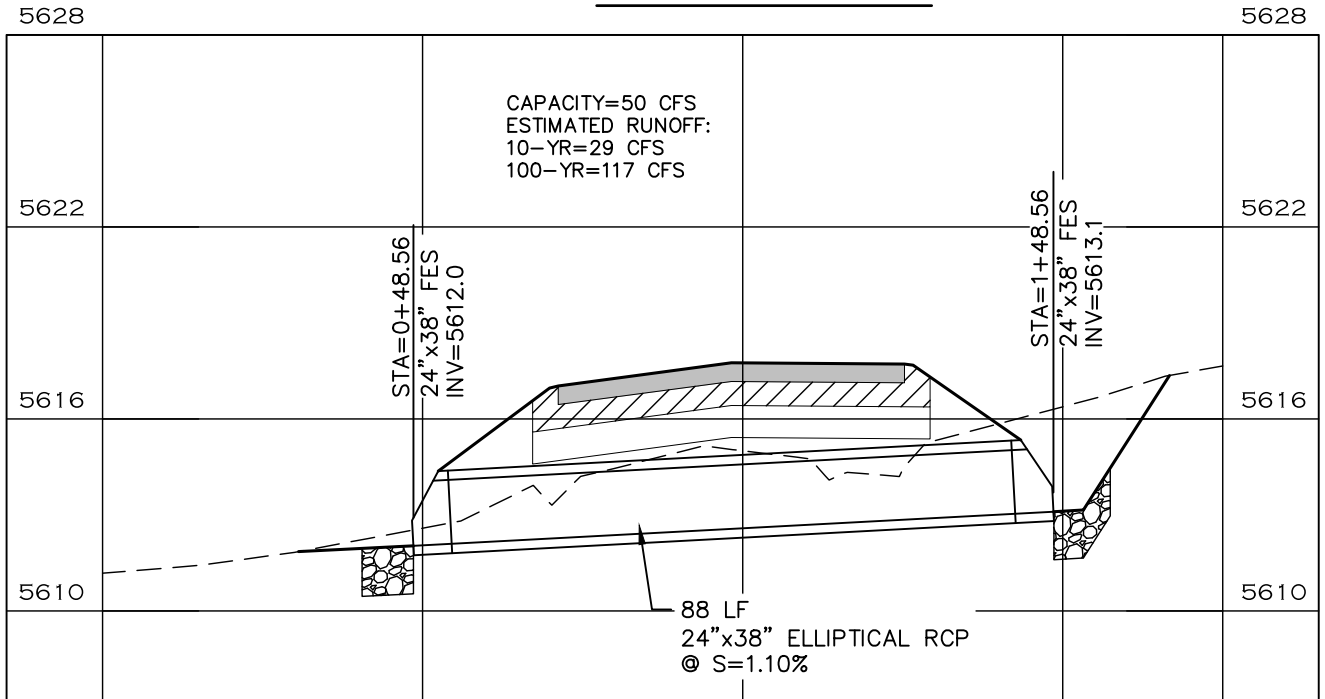

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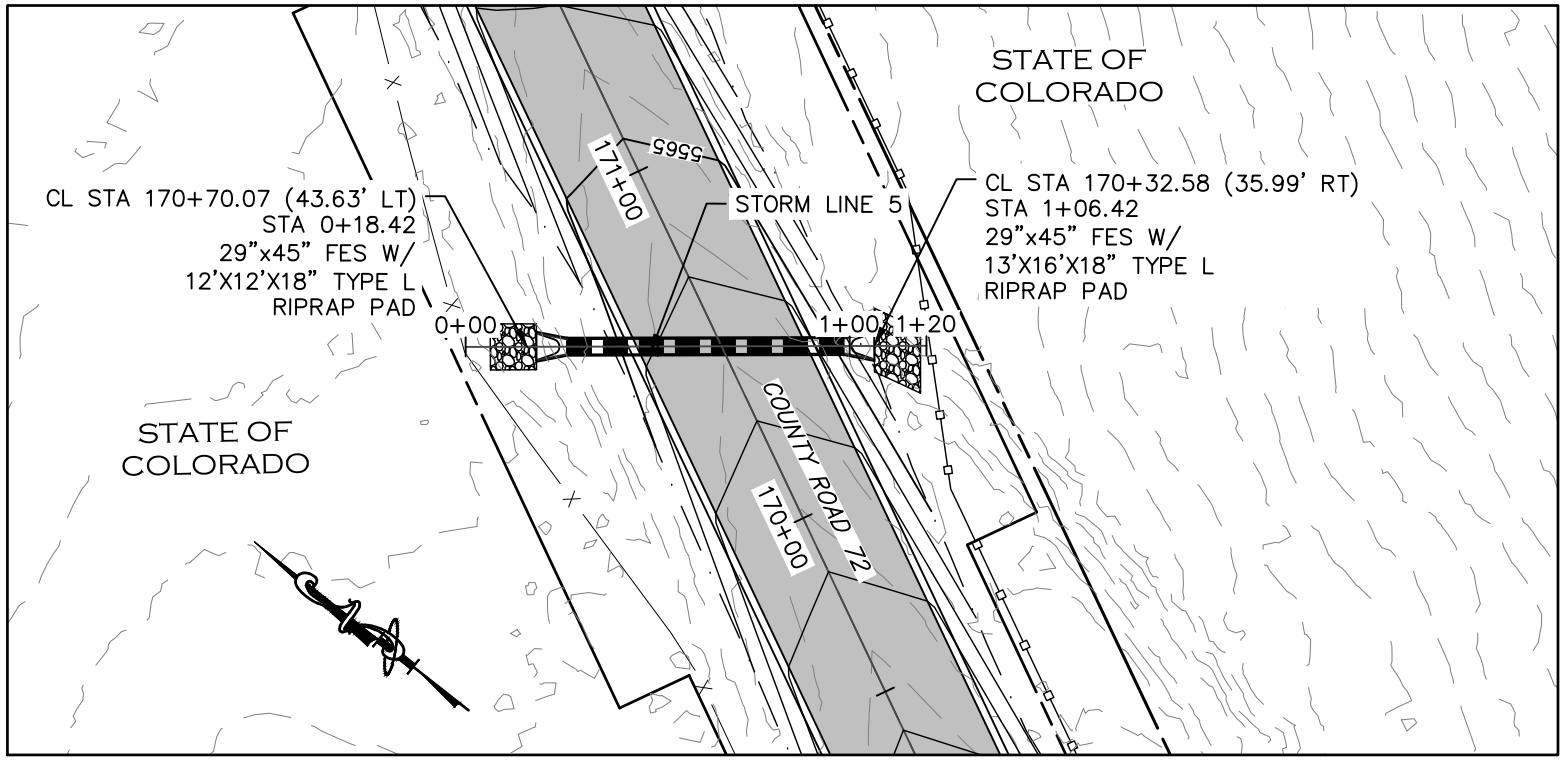
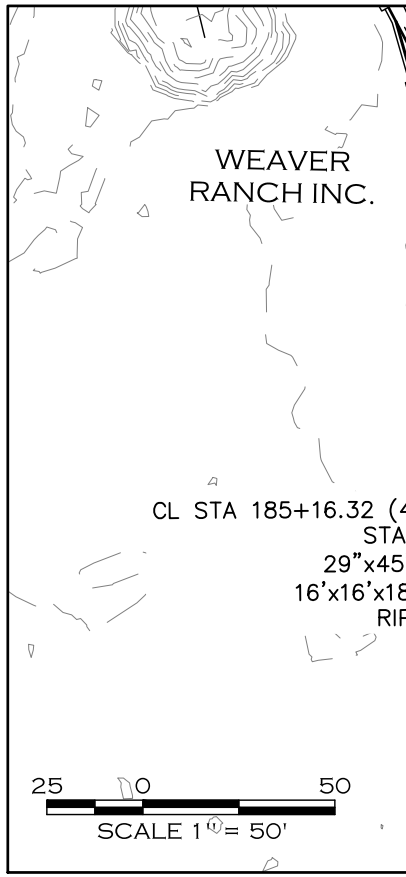
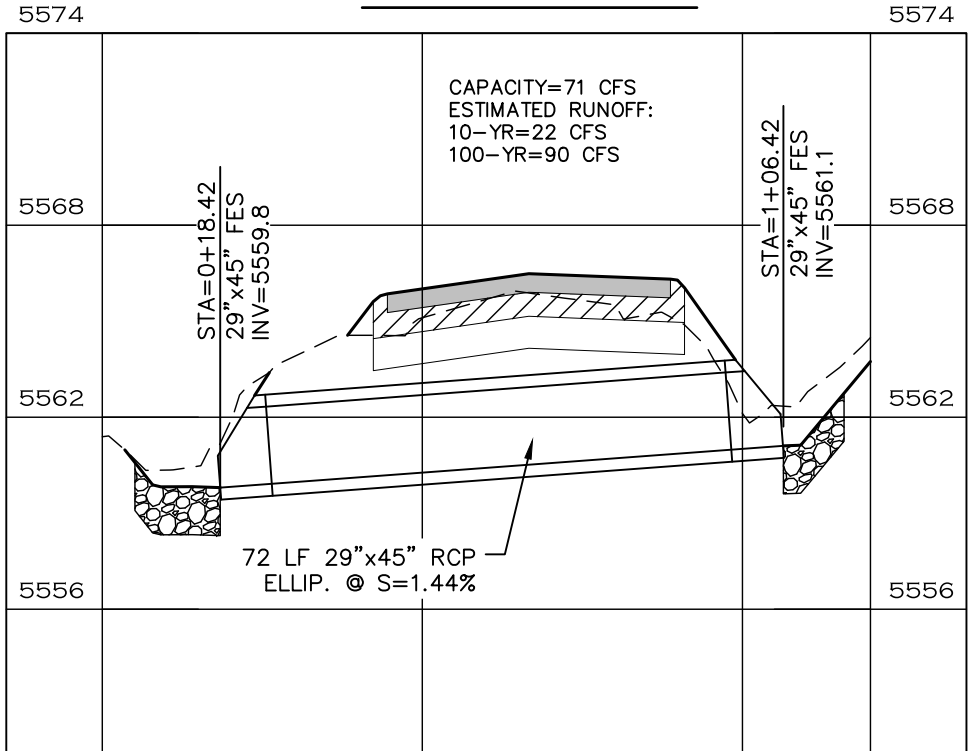
HORIZONTAL
SCALE: 1" = 30'
VERTICAL
SCALE: 1" = 6'

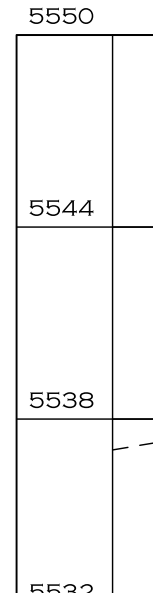
NOTE





STORM LINE 5

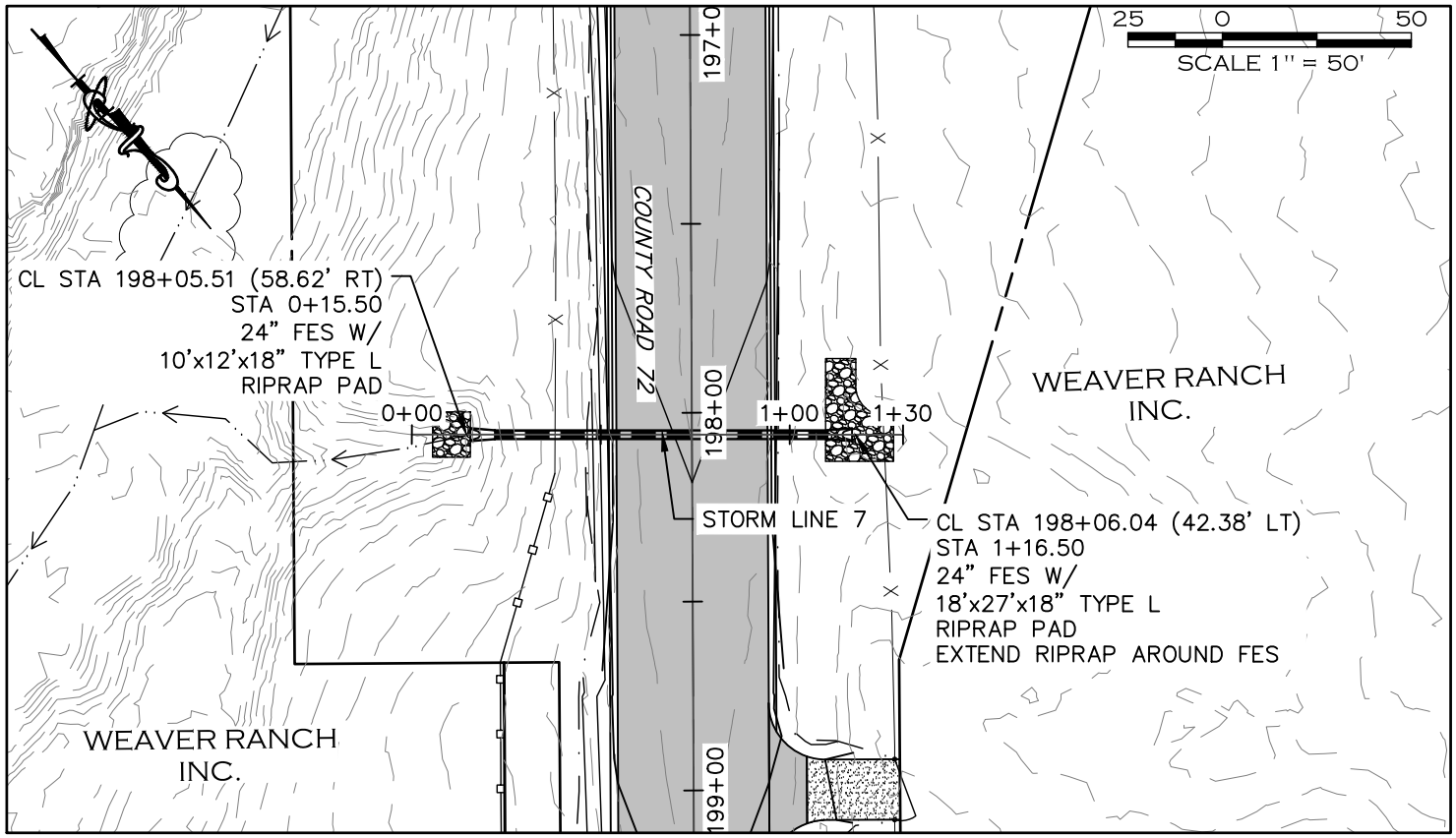


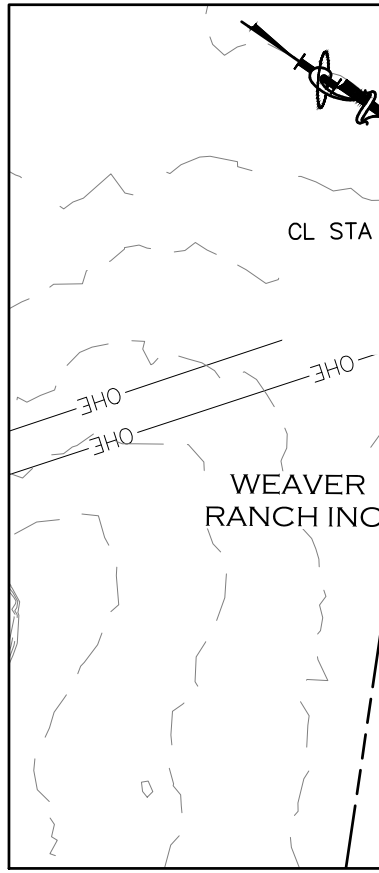


15 0 15 30
HORIZONTAL
SCALE: 1" = 30'
VERTICAL
SCALE: 1" = 6'

NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER





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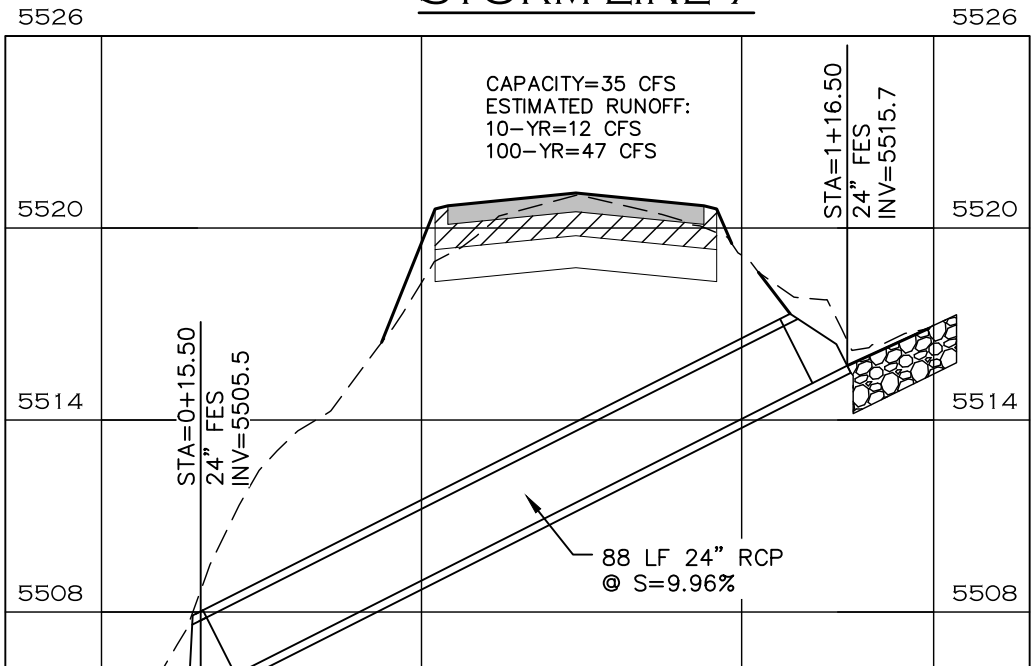

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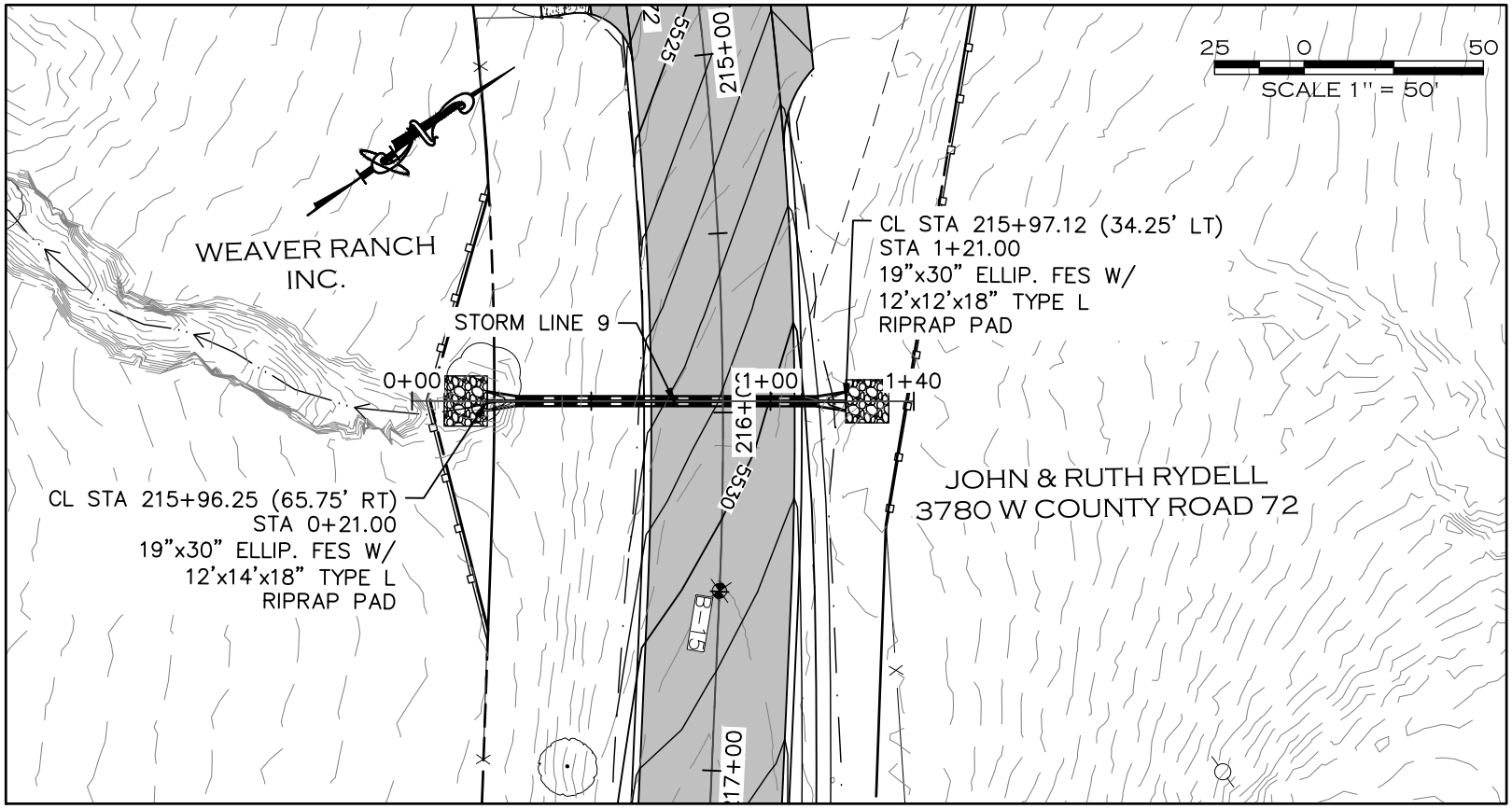
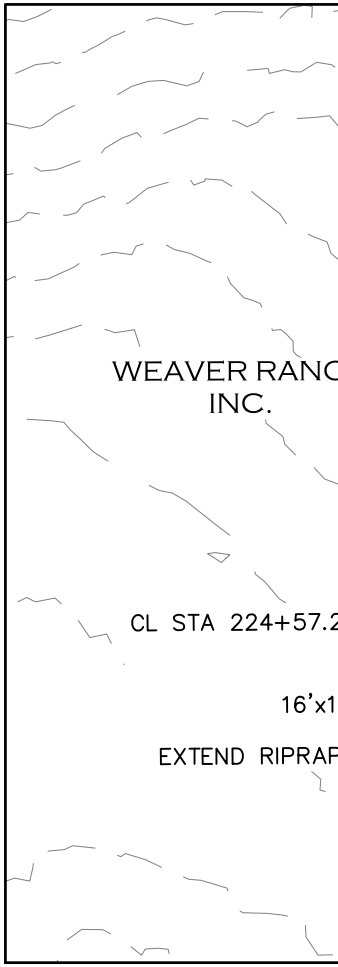
HORIZONTAL
SCALE: 1" = 30'
VERTICAL
SCALE: 1" = 6'

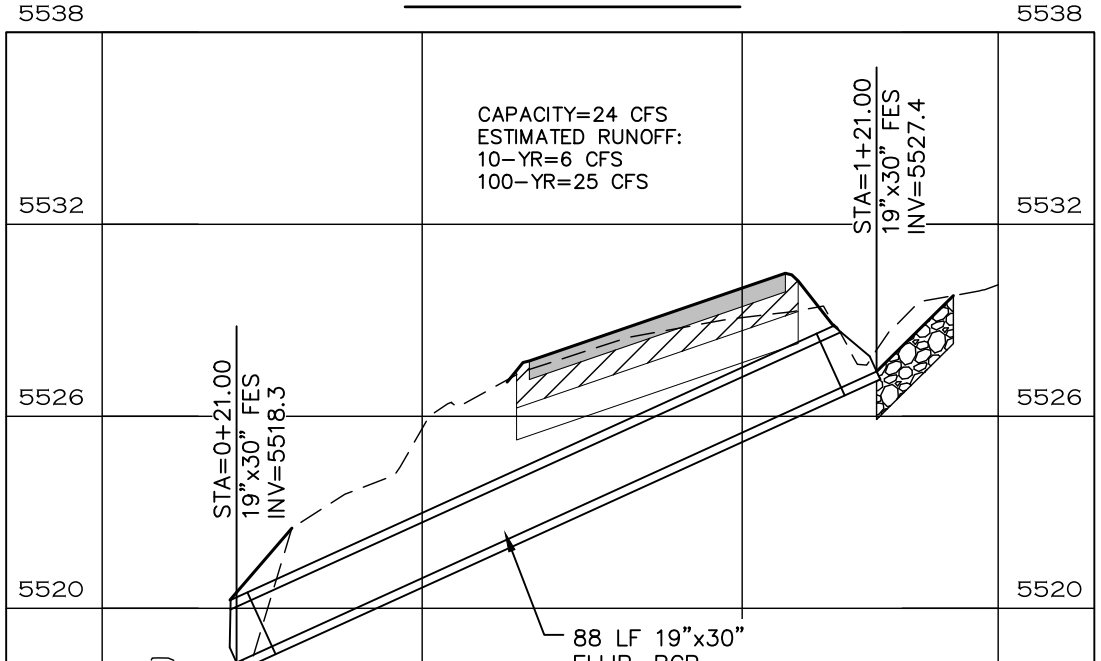
NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED





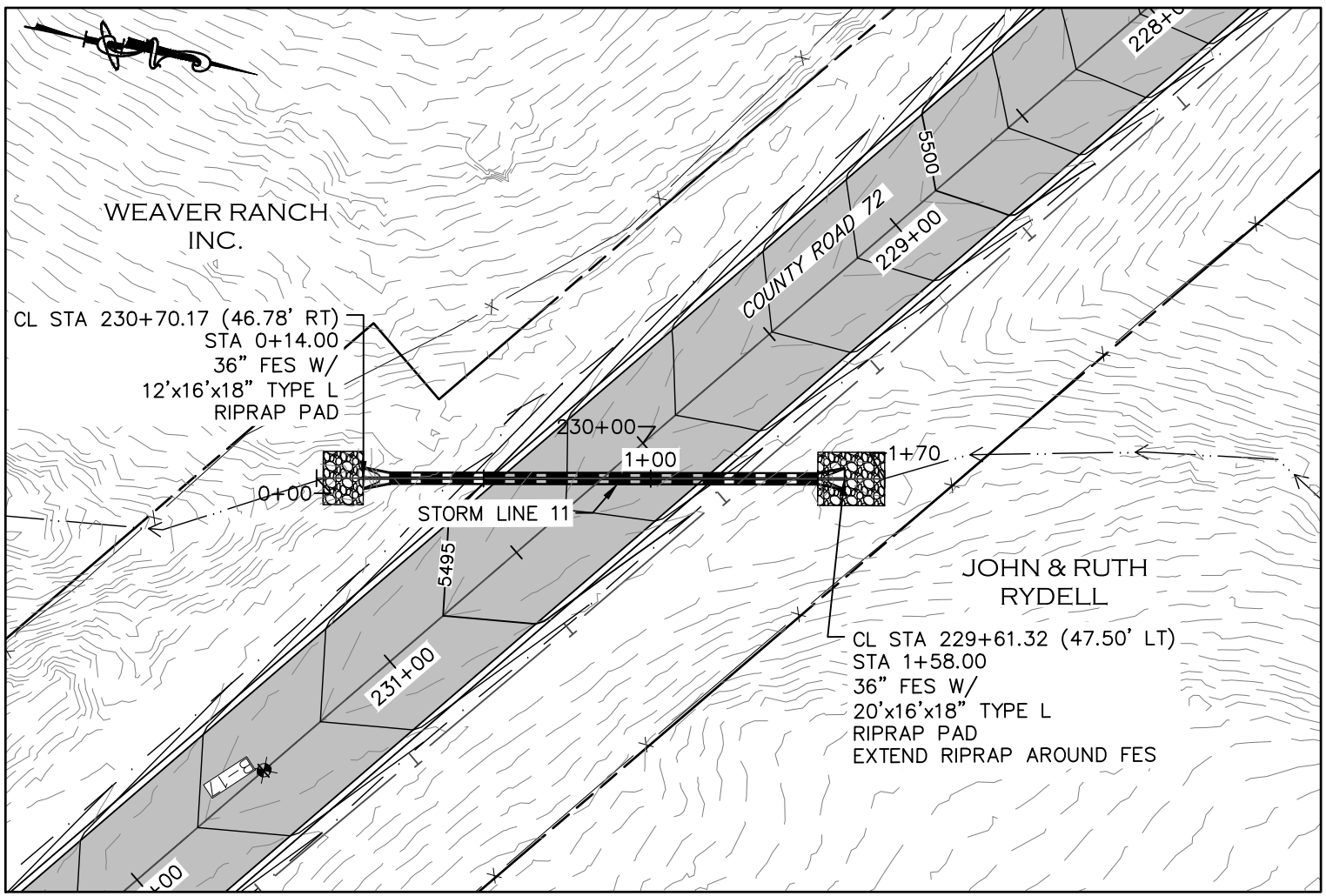
STORM LINE 9

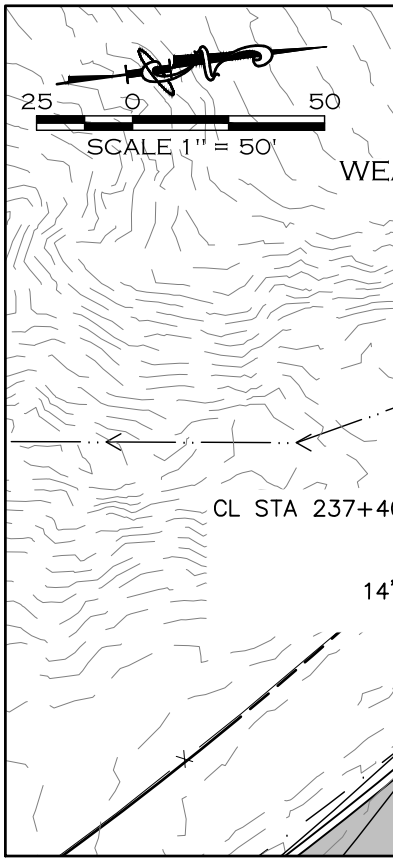


15 0 15 30
HORIZONTAL
SCALE: 1" = 30'
VERTICAL
SCALE: 1" = 6'

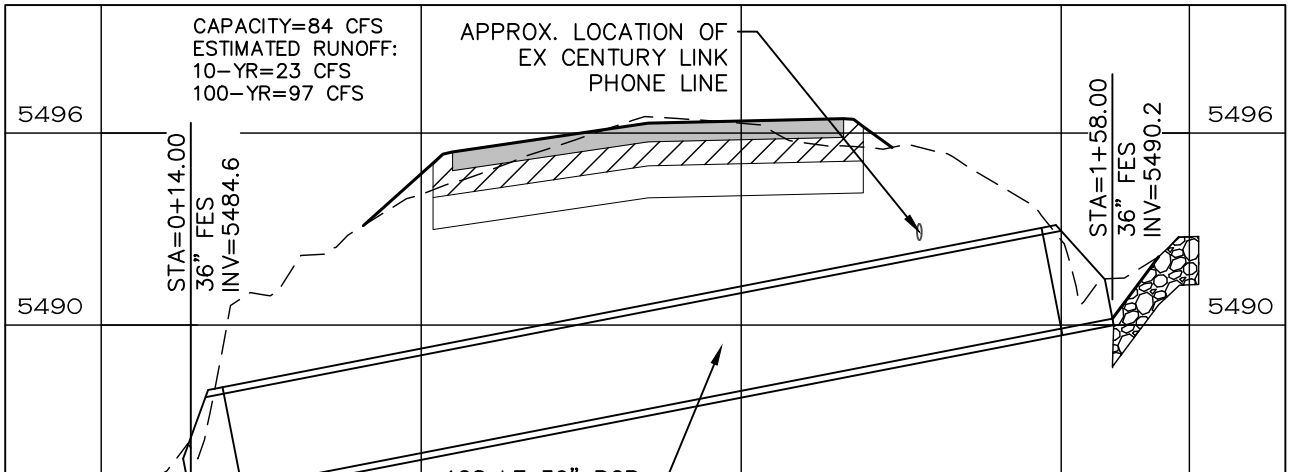
NOTE

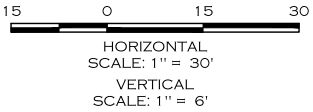
1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER

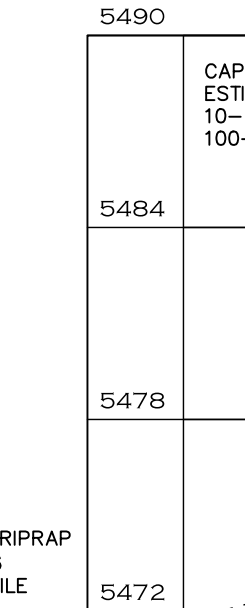




STORM LINE 11

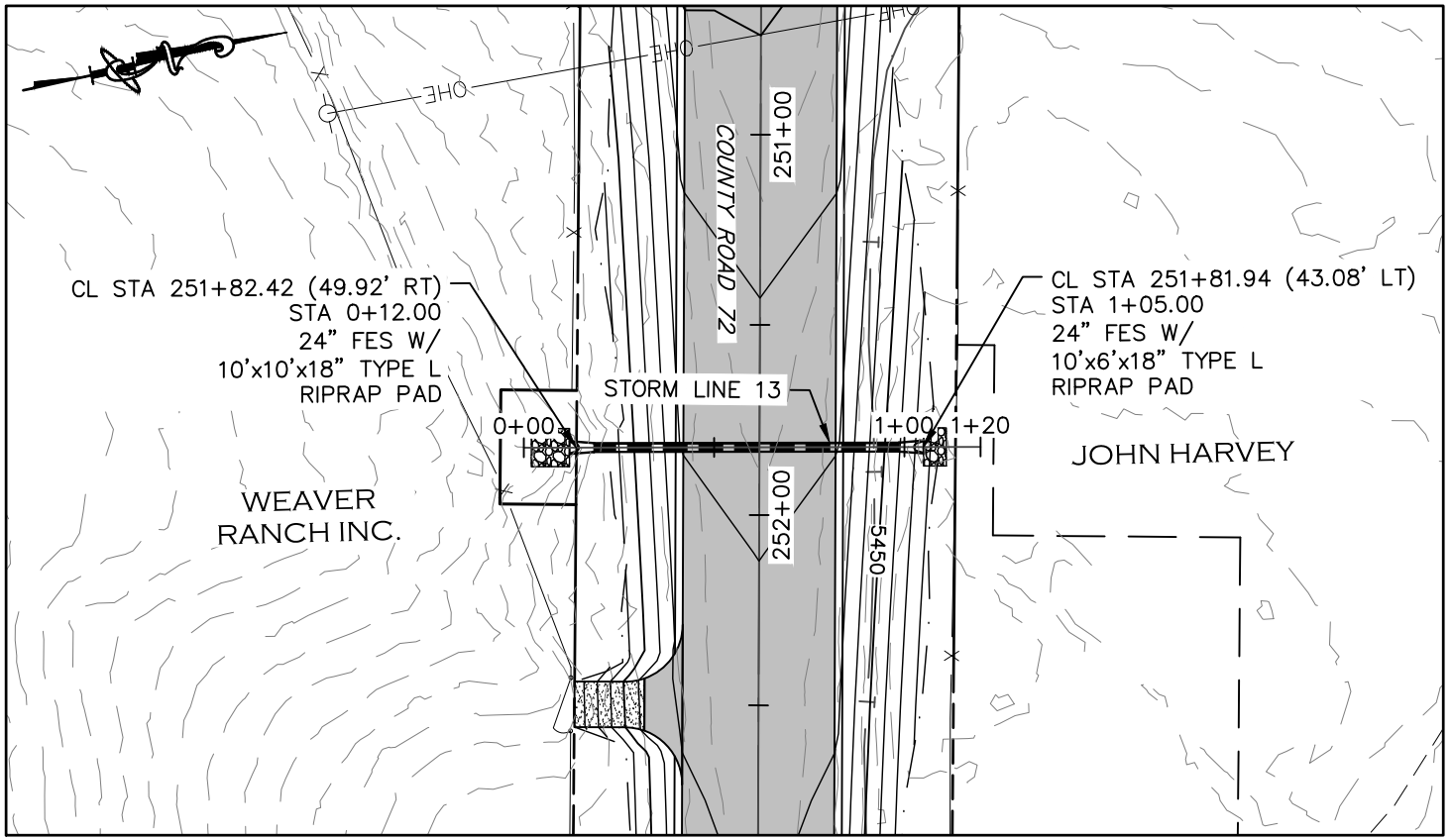






NOTE

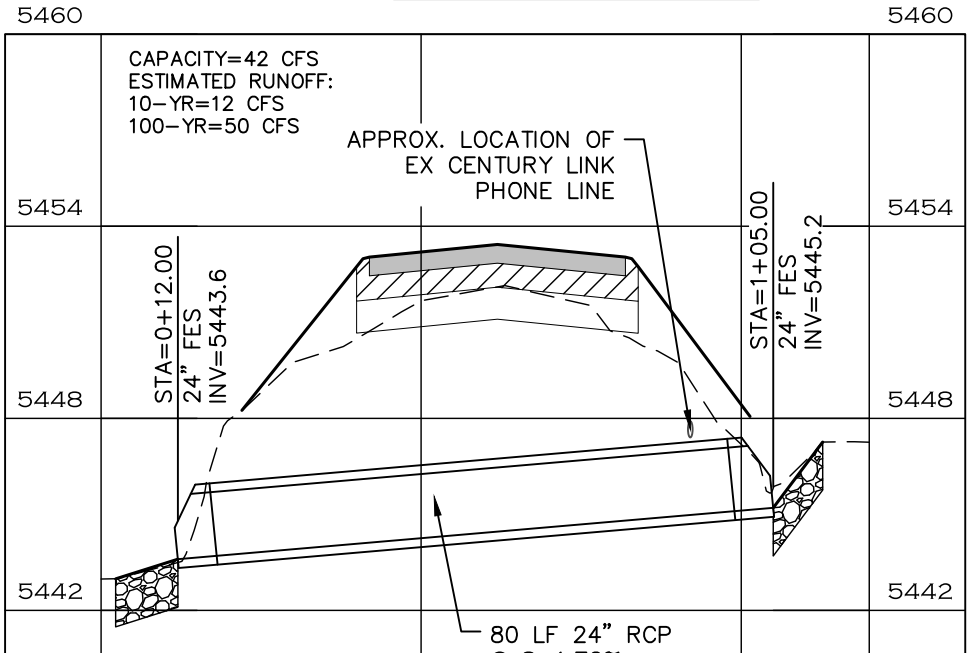
1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED ON APPROVED GEOTEXTILE FABRIC



25 0 50

SCALE 1" = 50'

STORM LINE 13



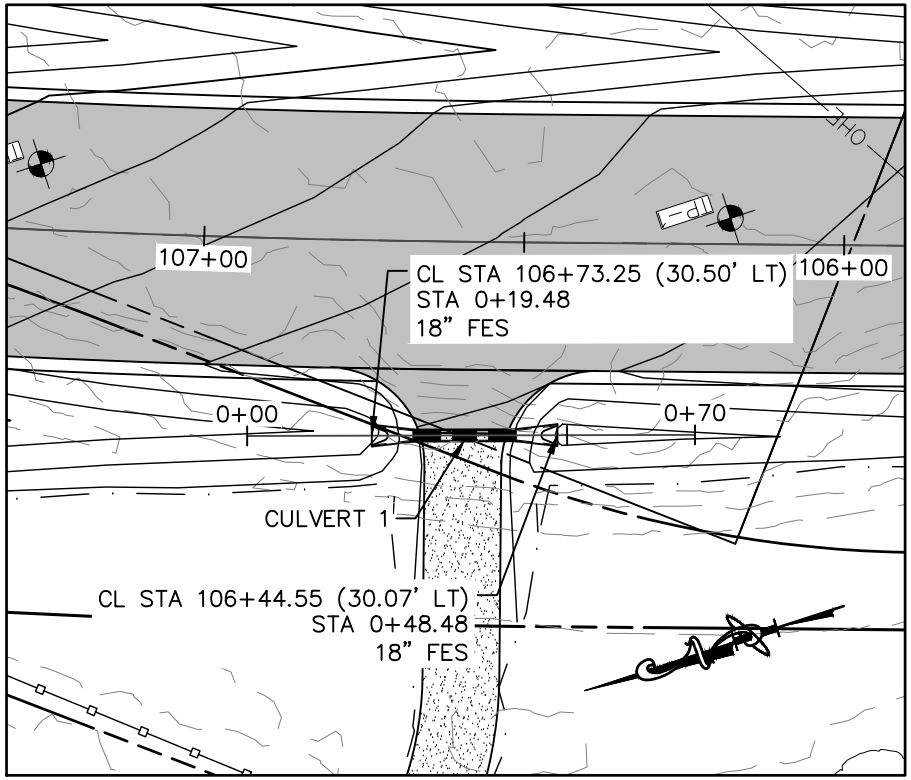
15 0 15 30

HORIZONTAL
SCALE: 1" = 30'

VERTICAL
SCALE: 1" = 6'

NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT



15 0 15 30

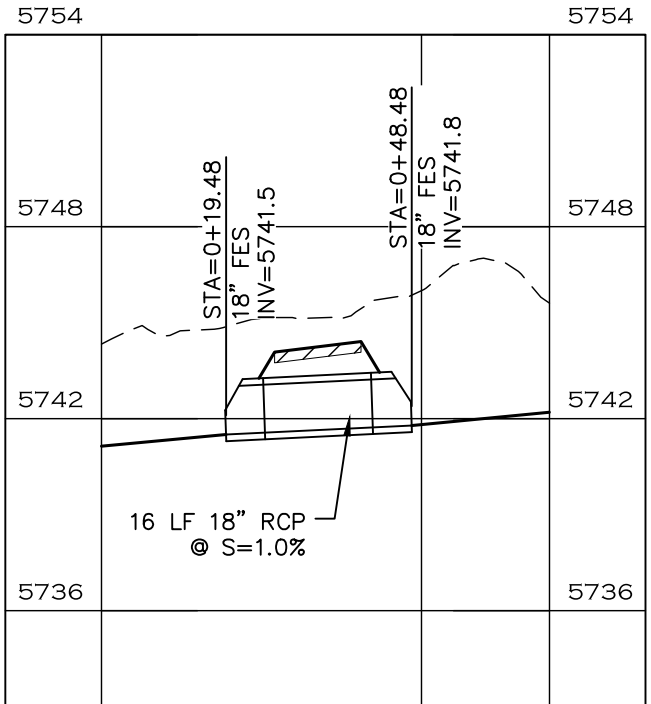
HORIZONTAL
SCALE: 1" = 30'

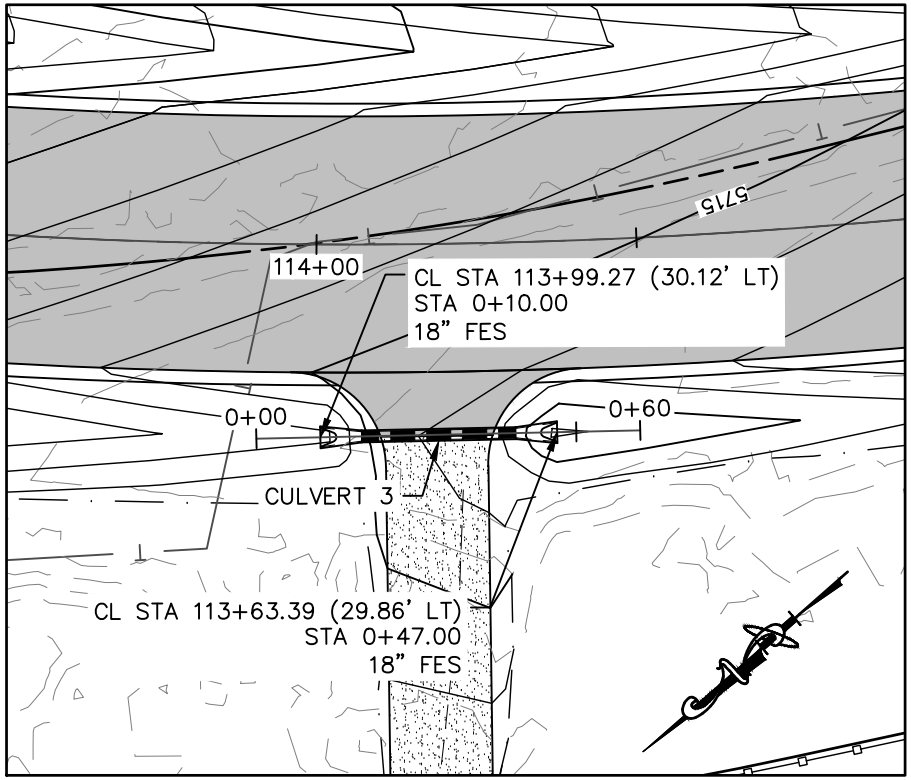
VERTICAL
SCALE: 1" = 6'

NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED ON APPROVED GEOTEXTILE FABRIC.
2. LENGTH OF PIPE DOES NOT INCLUDE FLARED END SECTION.

CULVERT 1



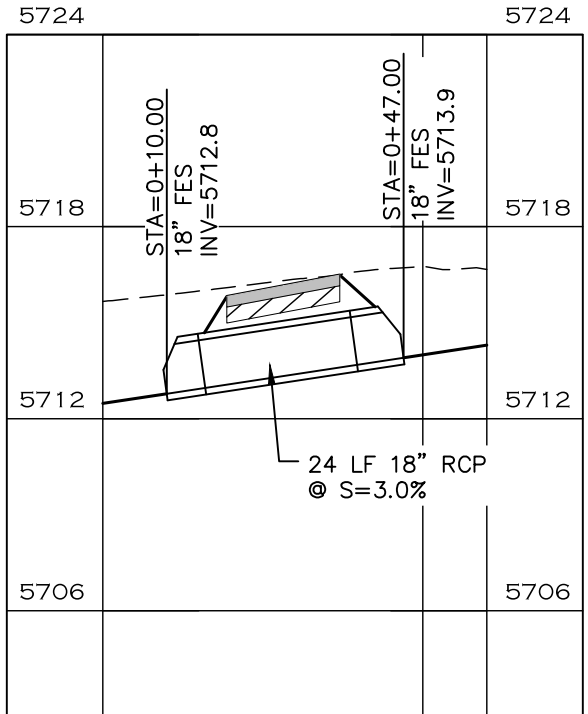


15 0 15 30

HORIZONTAL
SCALE: 1" = 30'

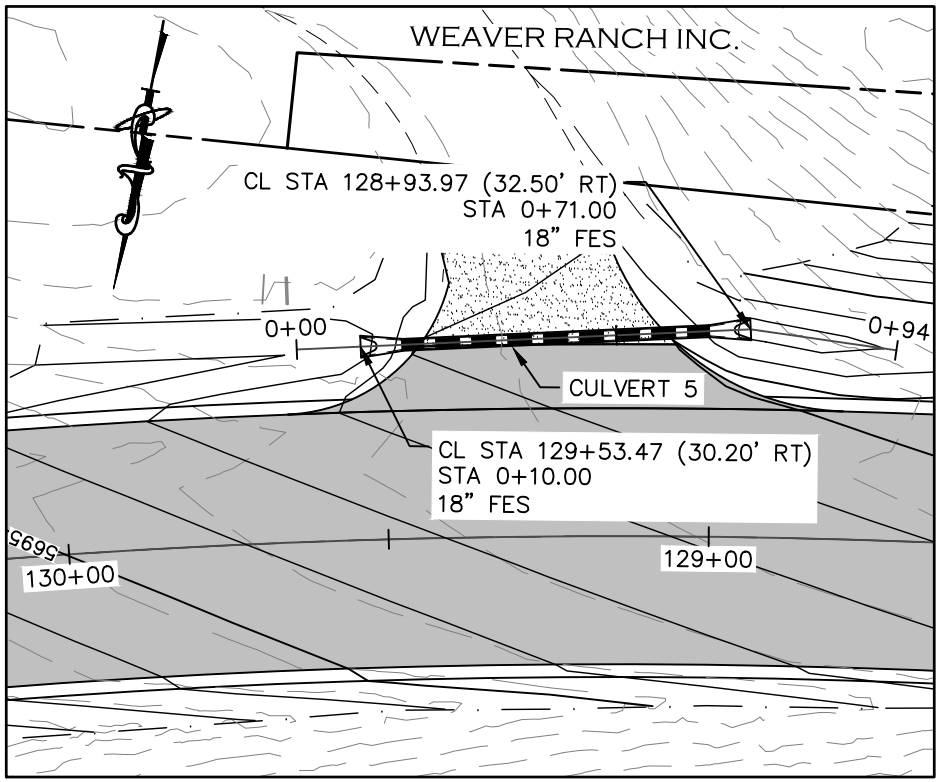
VERTICAL
SCALE: 1" = 6'

CULVERT 3



NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED ON APPROVED GEOTEXTILE FABRIC.
2. LENGTH OF PIPE DOES NOT INCLUDE FLARED END SECTION.

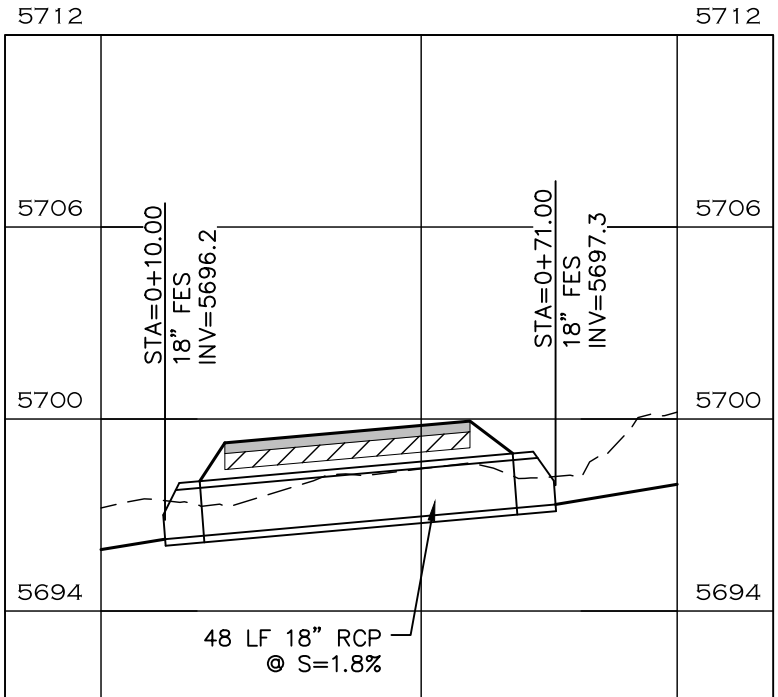


15 0 15 30

HORIZONTAL
SCALE: 1" = 30'

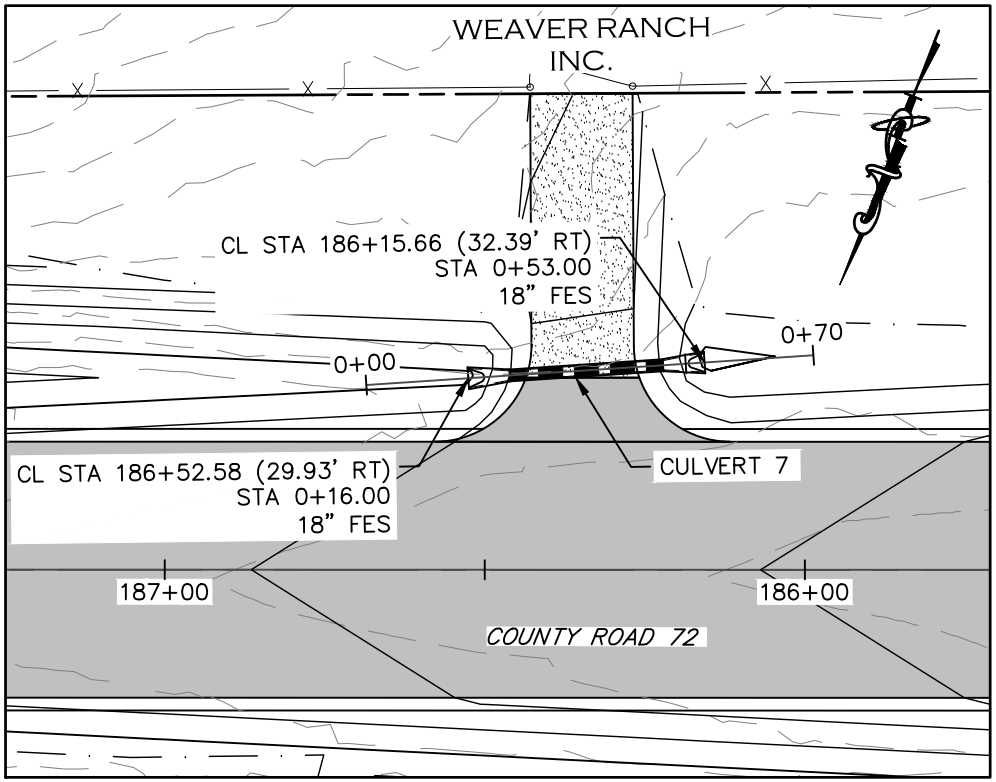
VERTICAL
SCALE: 1" = 6'

CULVERT 5



NOTE

1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED ON APPROVED GEOTEXTILE FABRIC.
2. LENGTH OF PIPE DOES NOT INCLUDE FLARED END SECTION.

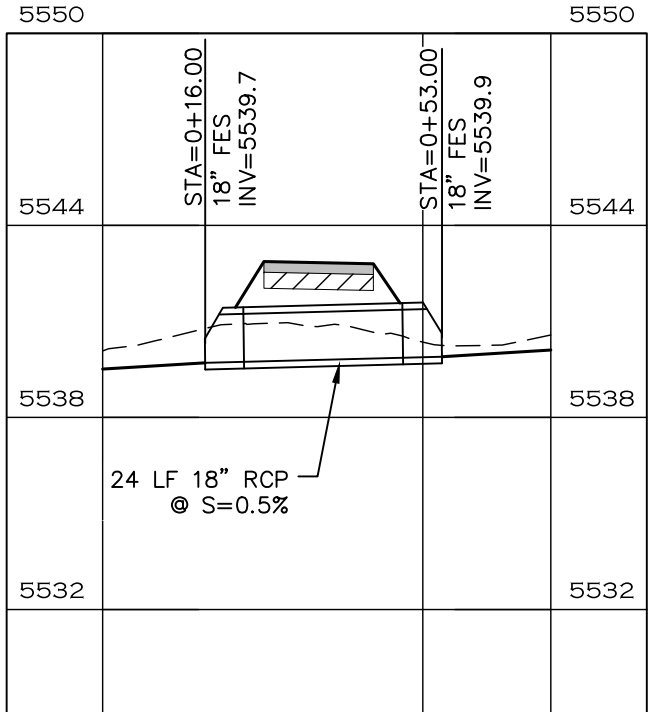


15 0 15 30

HORIZONTAL
SCALE: 1" = 30'

VERTICAL
SCALE: 1" = 6'

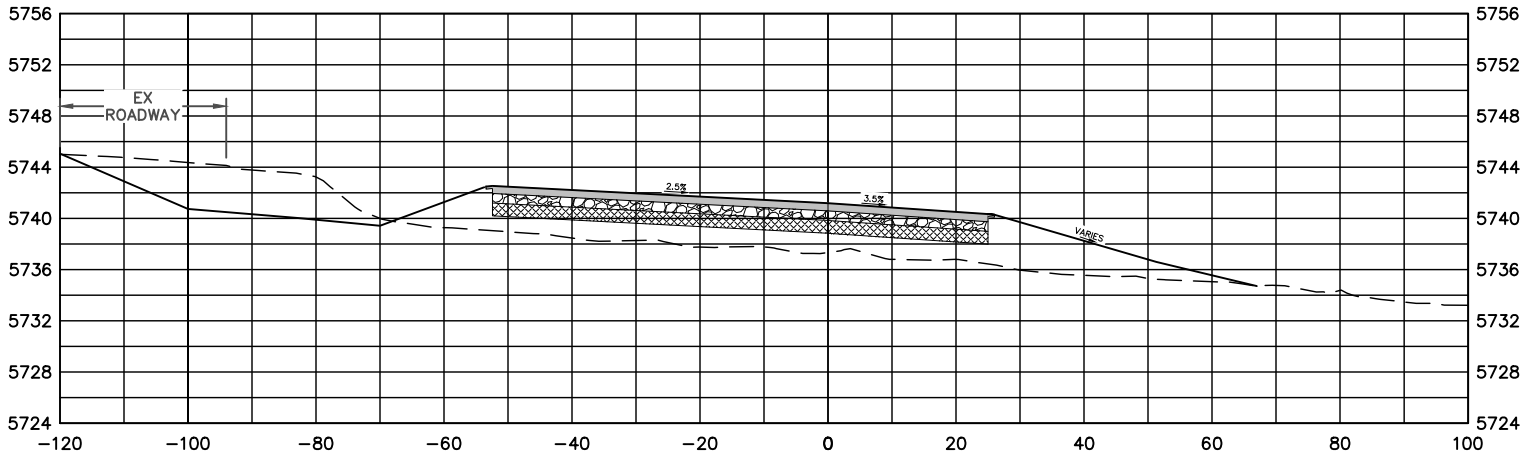
CULVERT 7

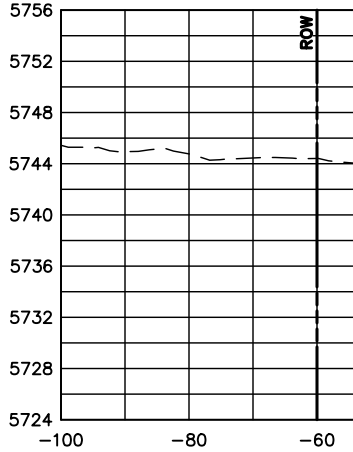


NOTE

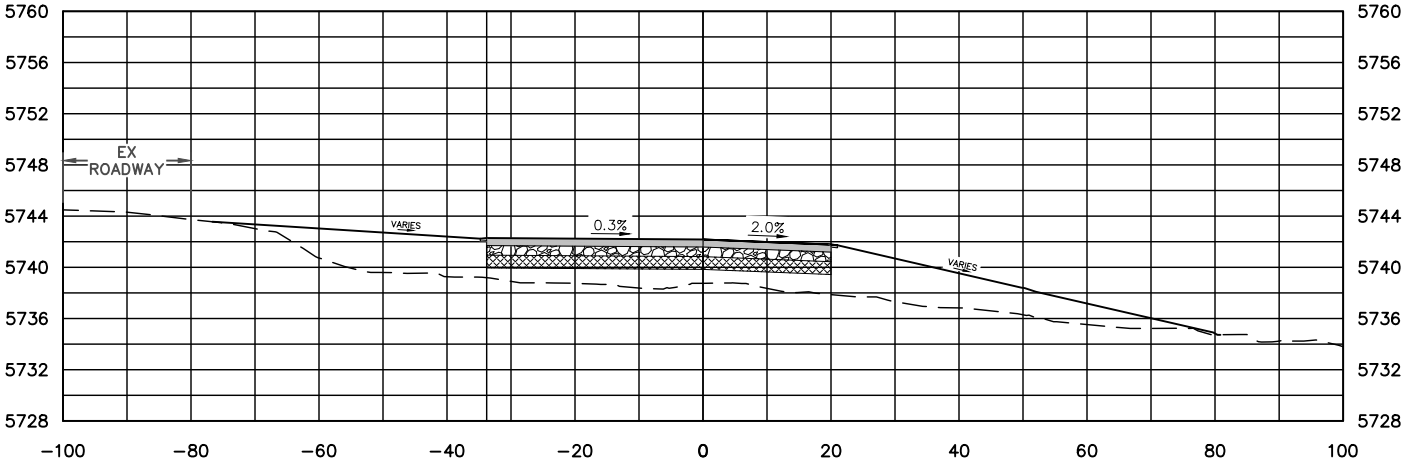
1. RIPRAP PAD SHALL BE TYPE L RIPRAP D50=9" PER CDOT SECTION 506 PLACED ON APPROVED GEOTEXTILE FABRIC.
2. LENGTH OF PIPE DOES NOT INCLUDE FLARED END SECTION.

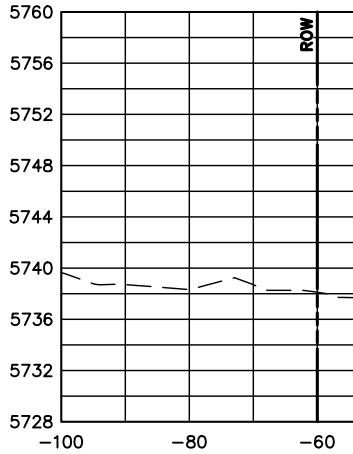
100+50



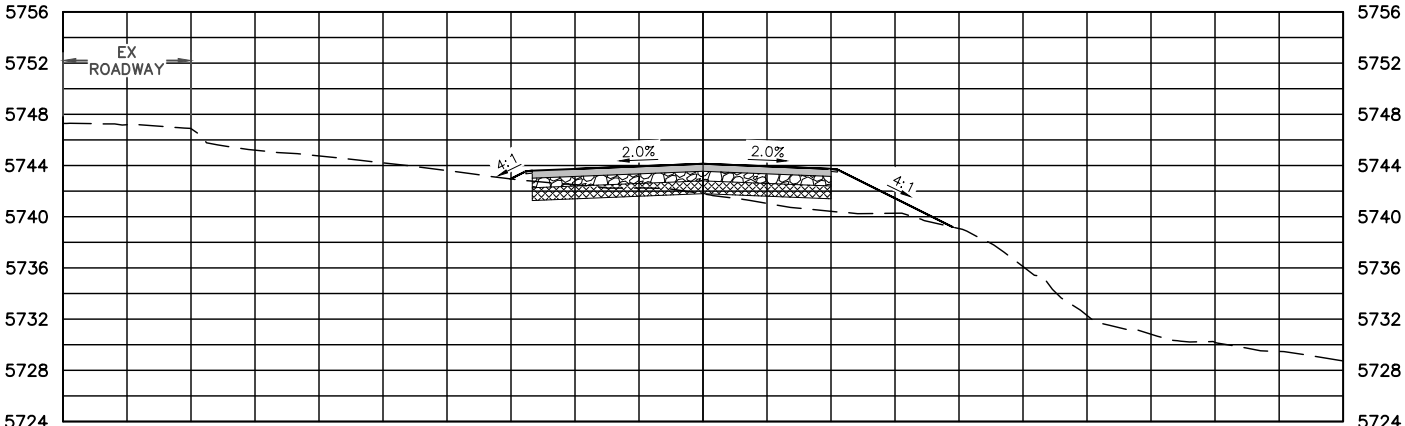


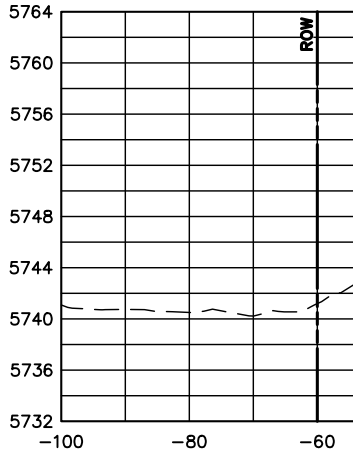
101+00



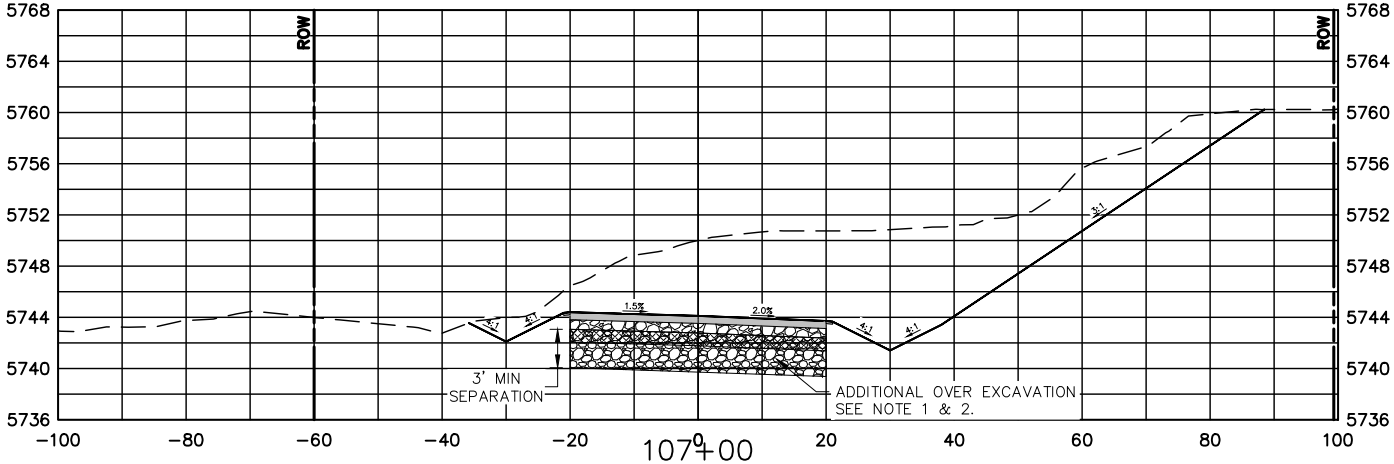


102+00

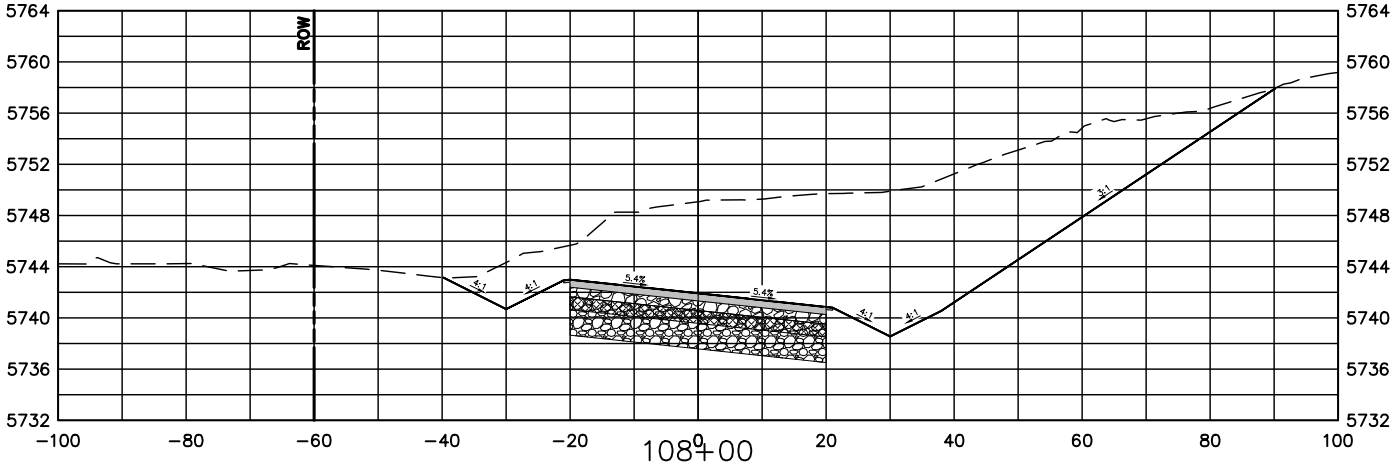




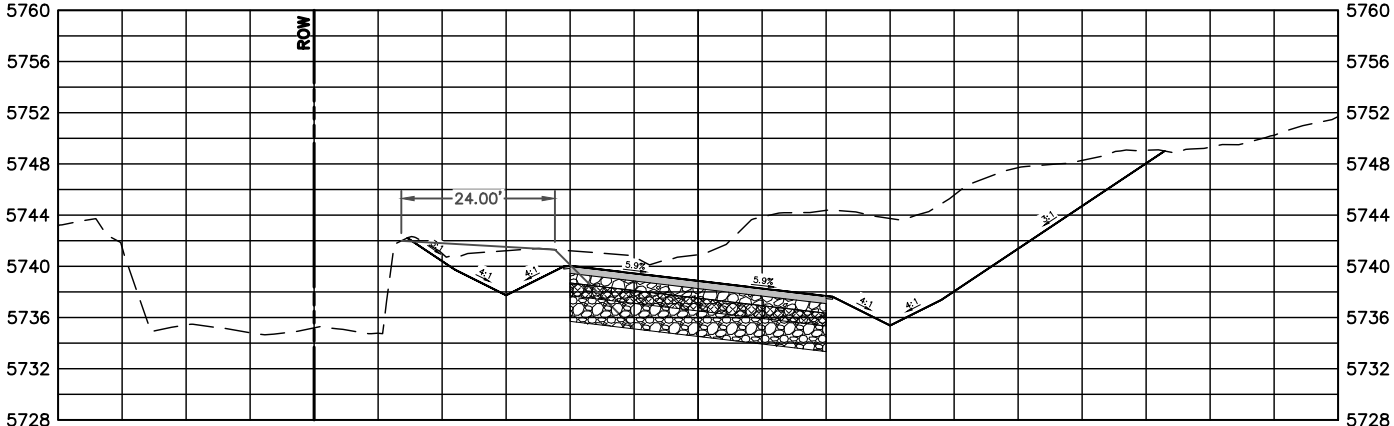
106+00

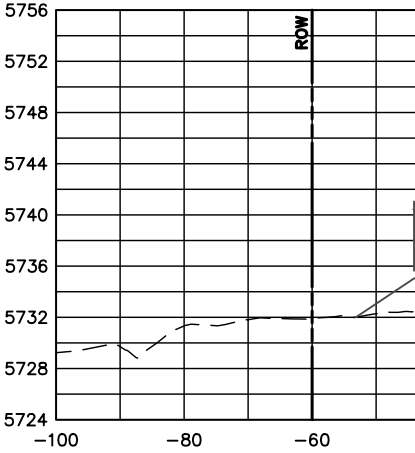


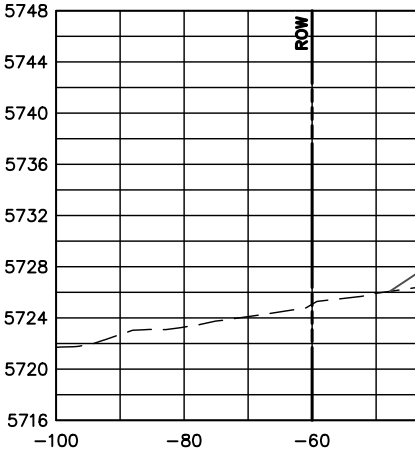
107+00

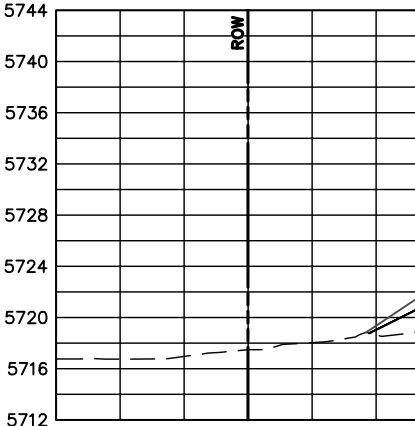


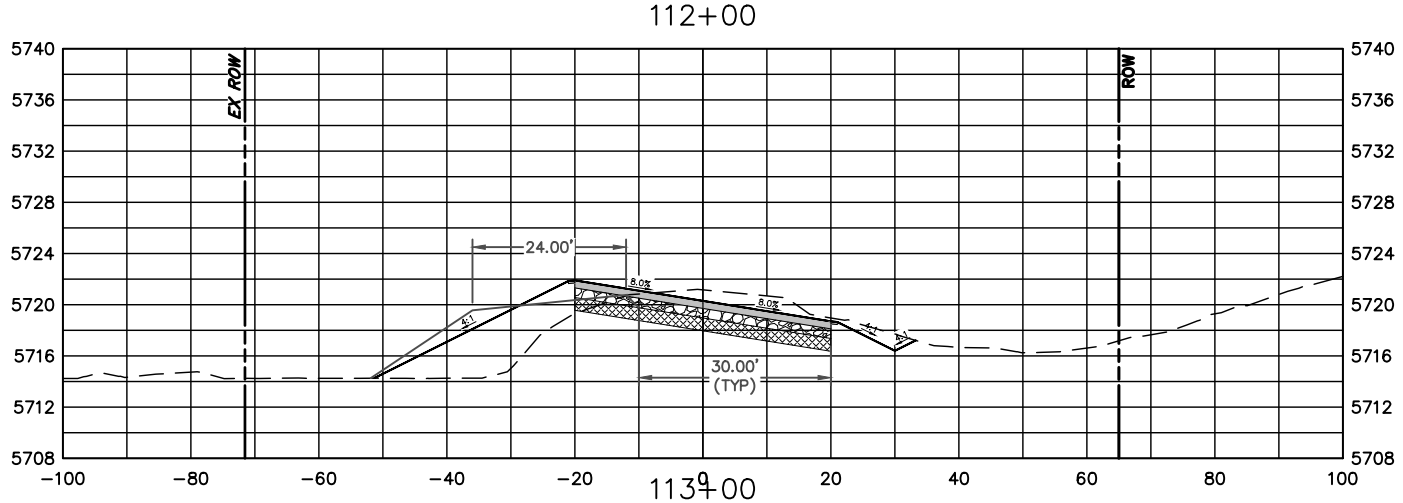
108+00










112+00
EX ROW
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30.00'
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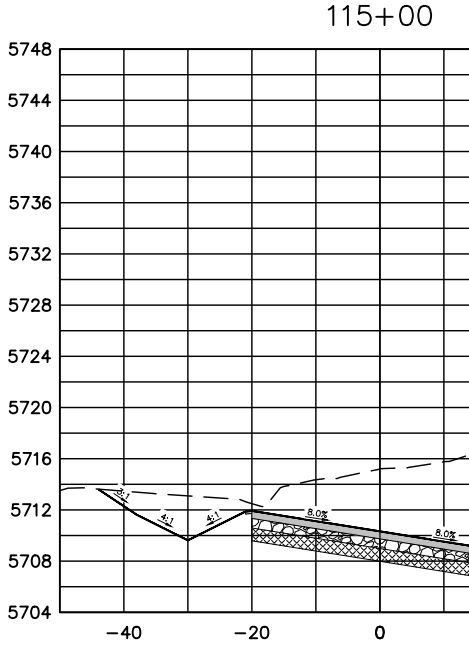
115+00
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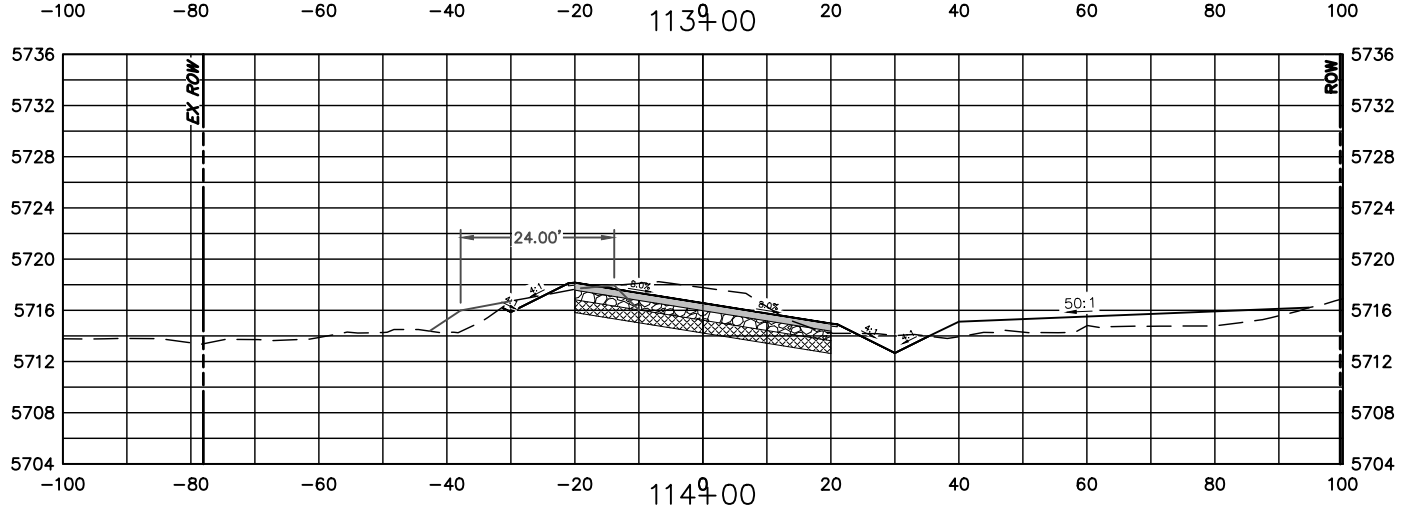
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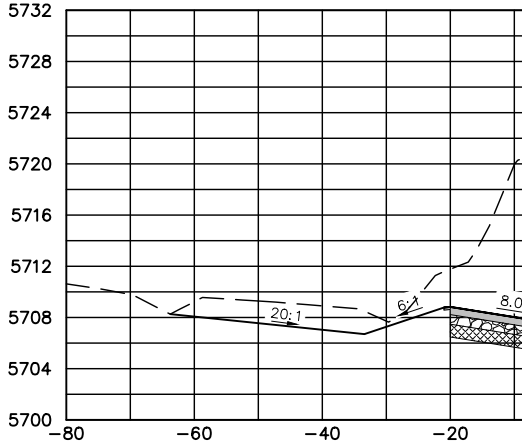
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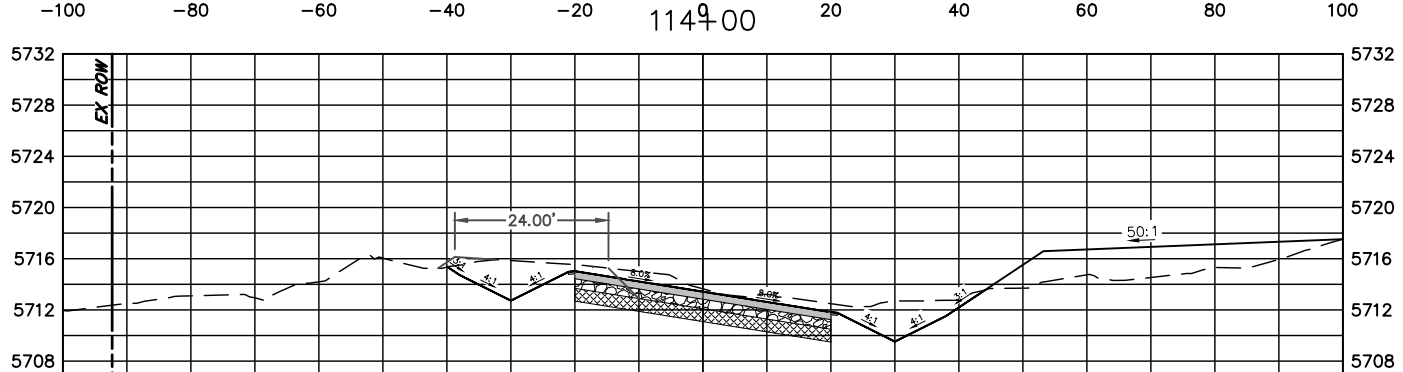
114+00
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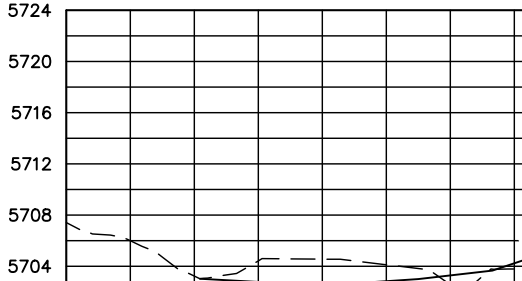
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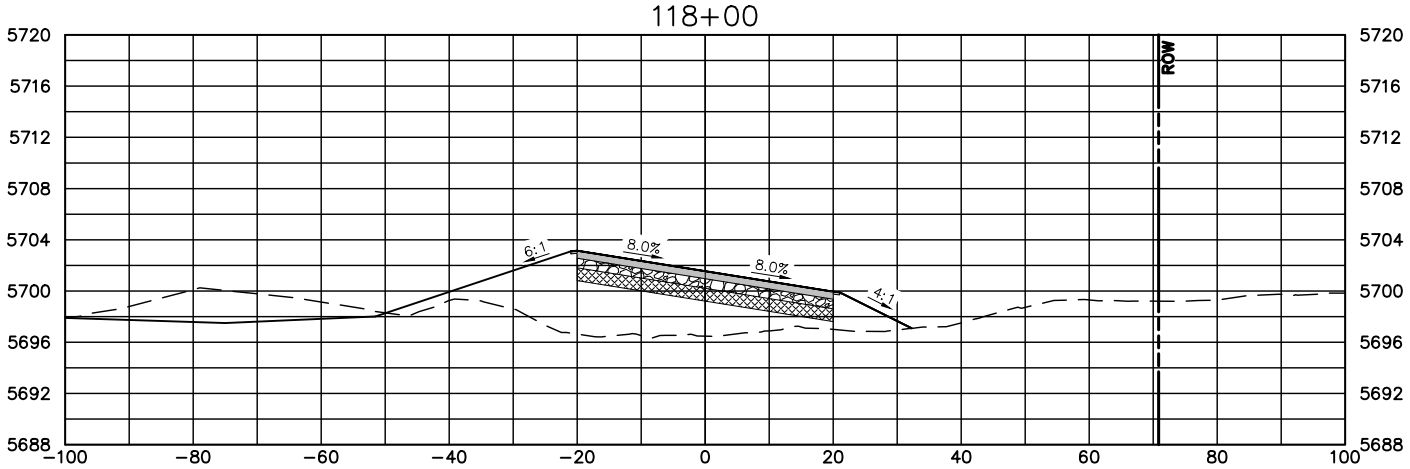
118+00
ROW
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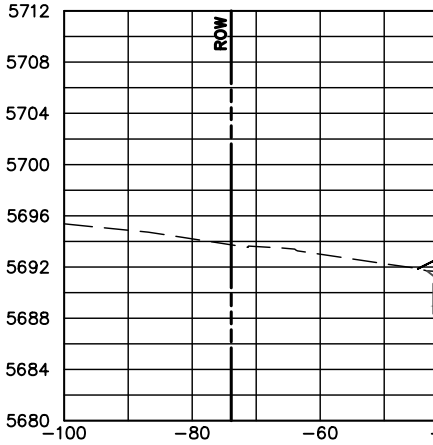
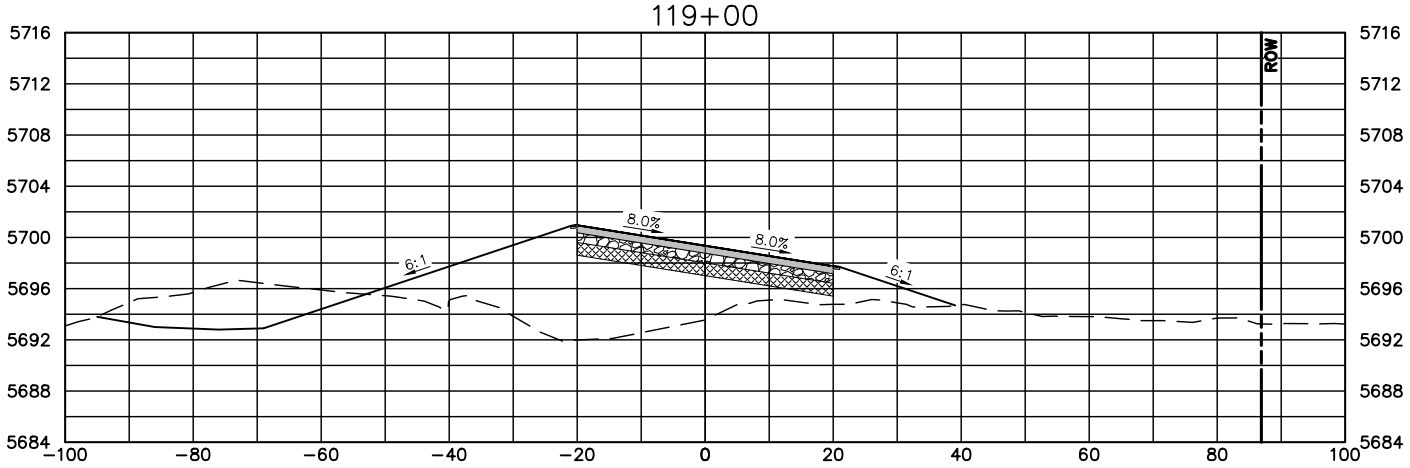

ROW


119+00
ROW
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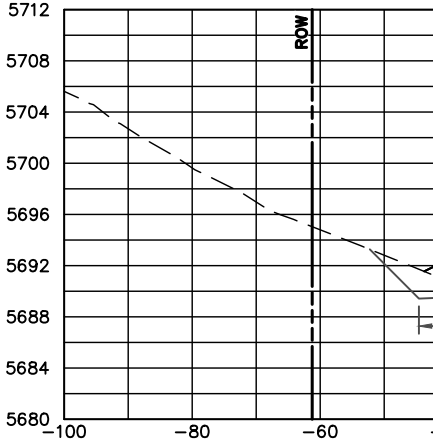
6:1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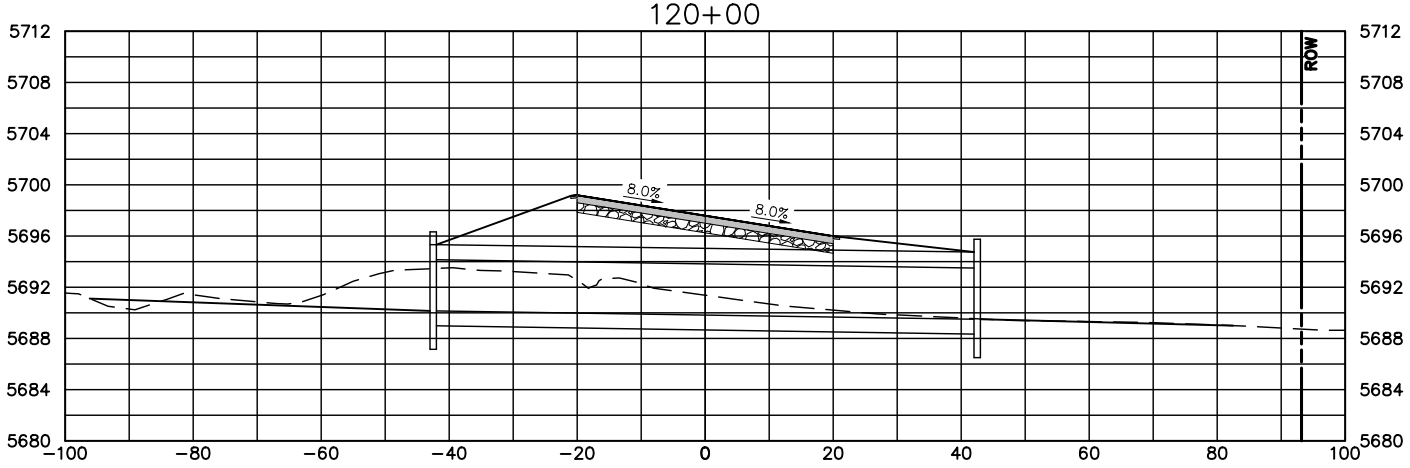
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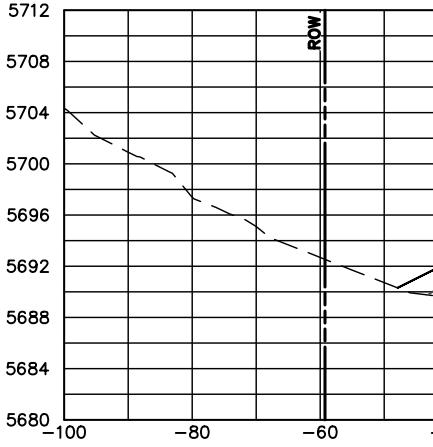
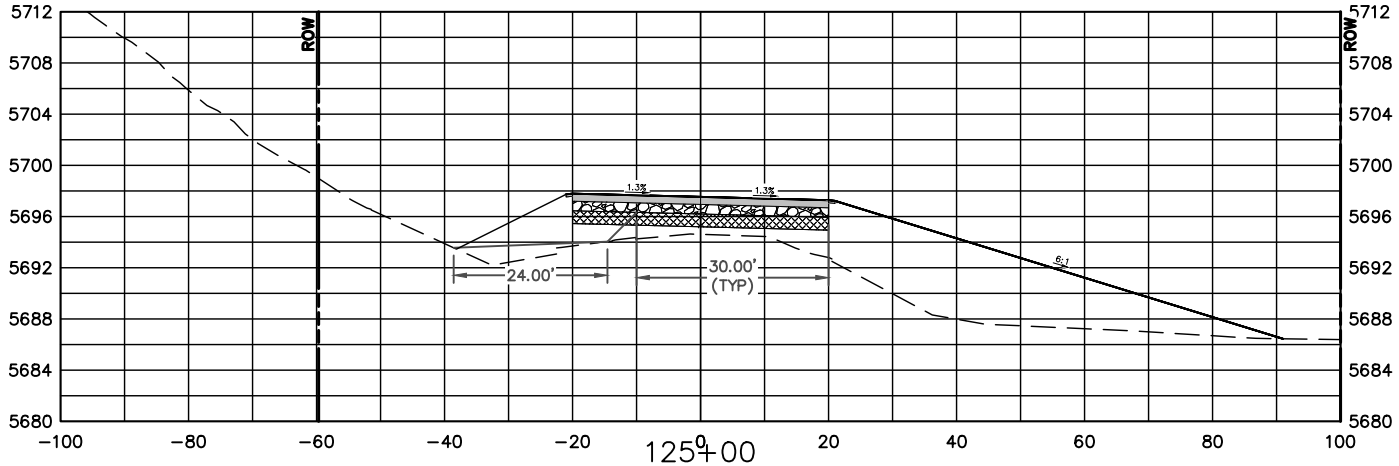
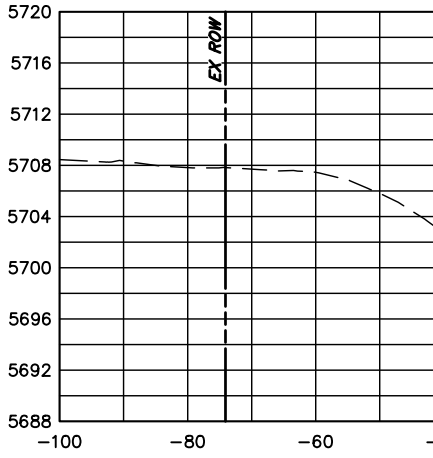
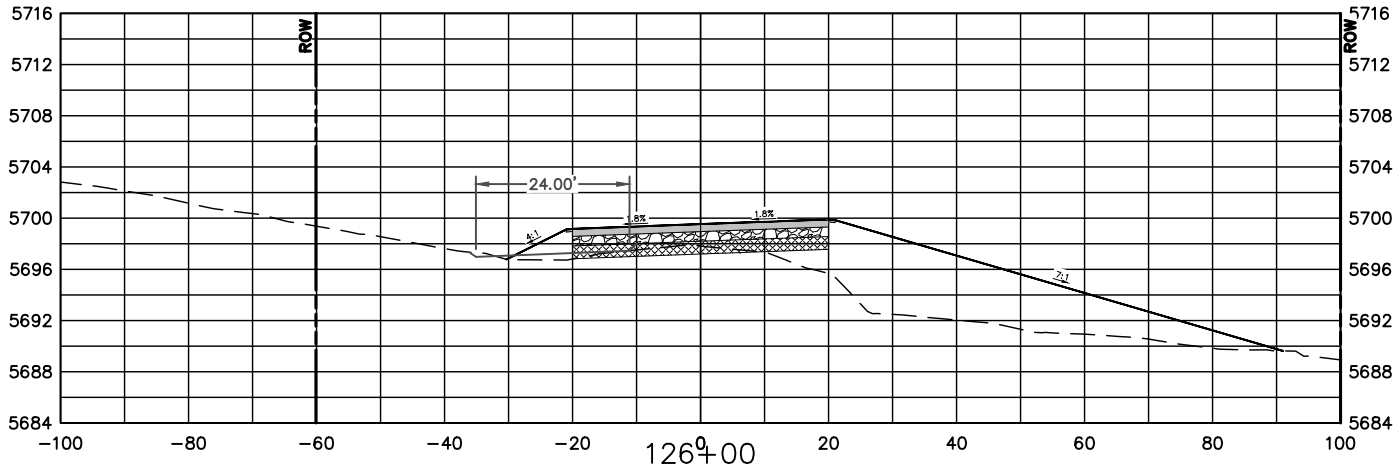

ROW

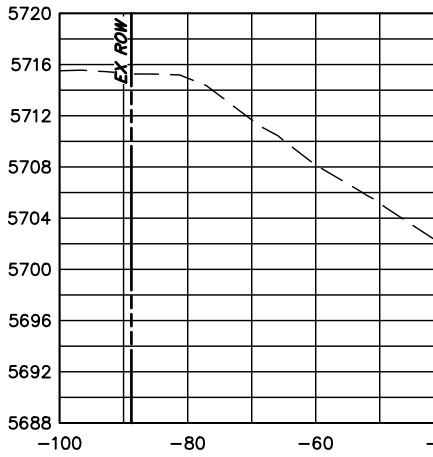
124+00



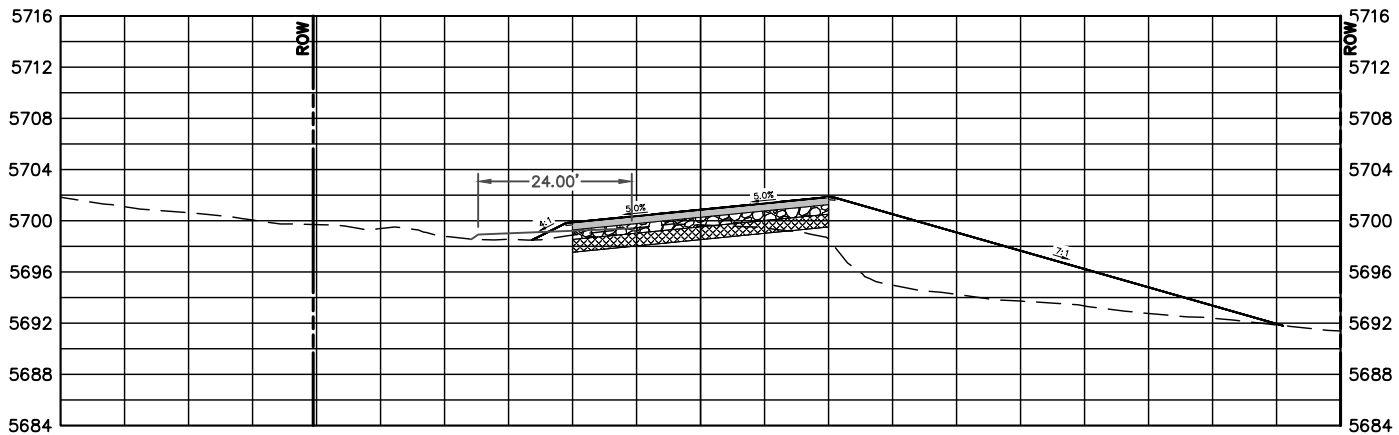


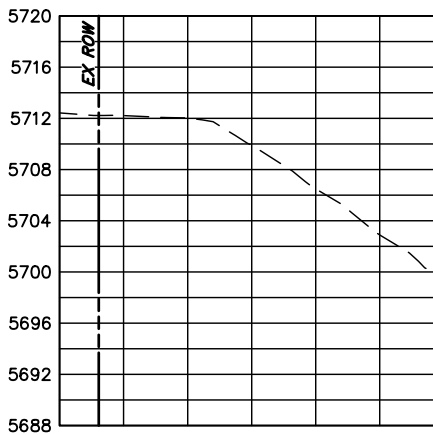
125+00



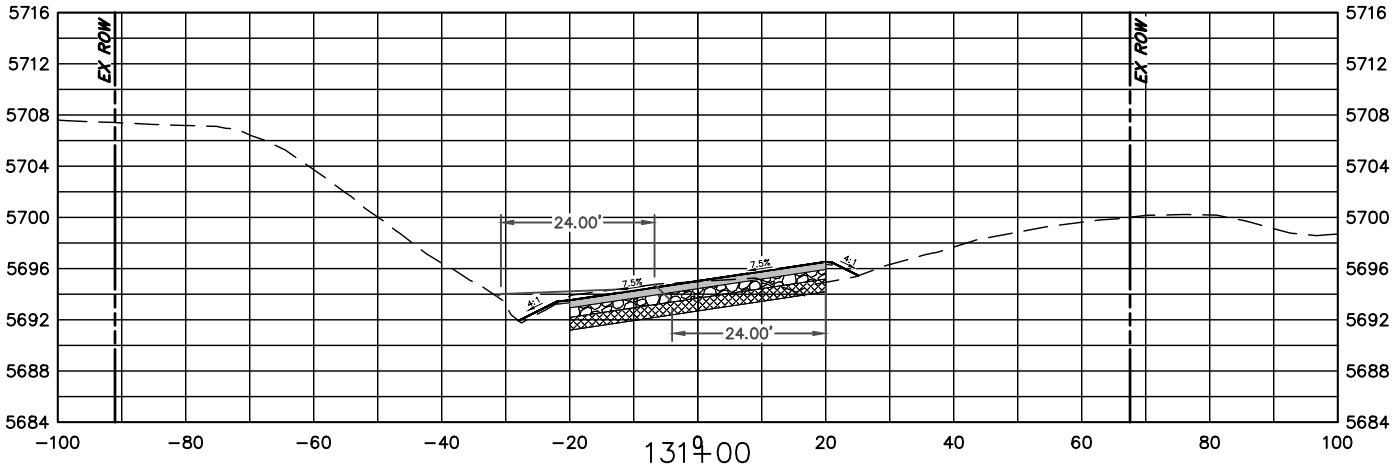


126+00

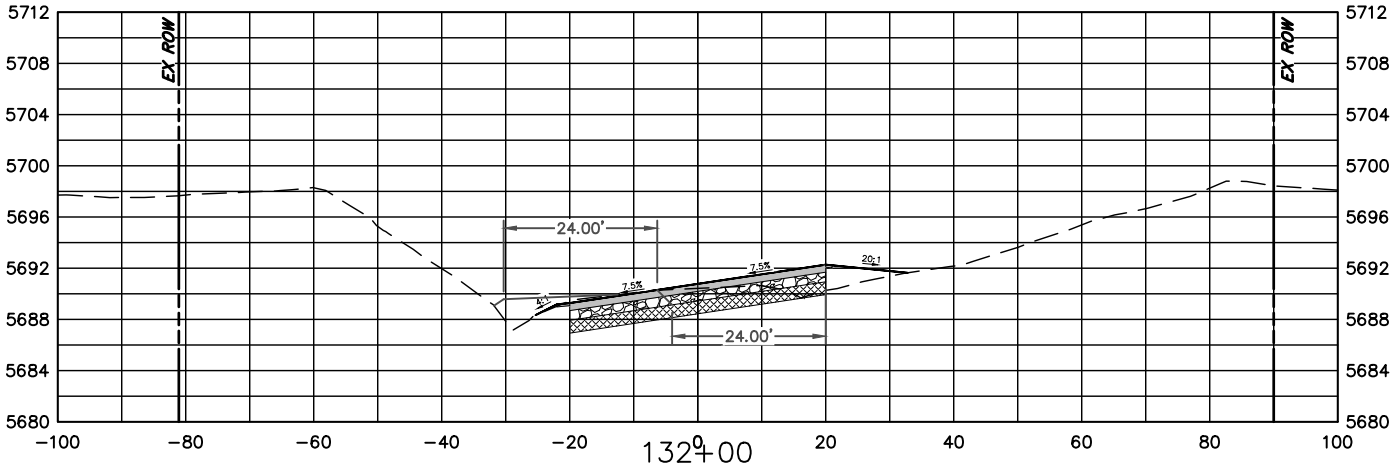




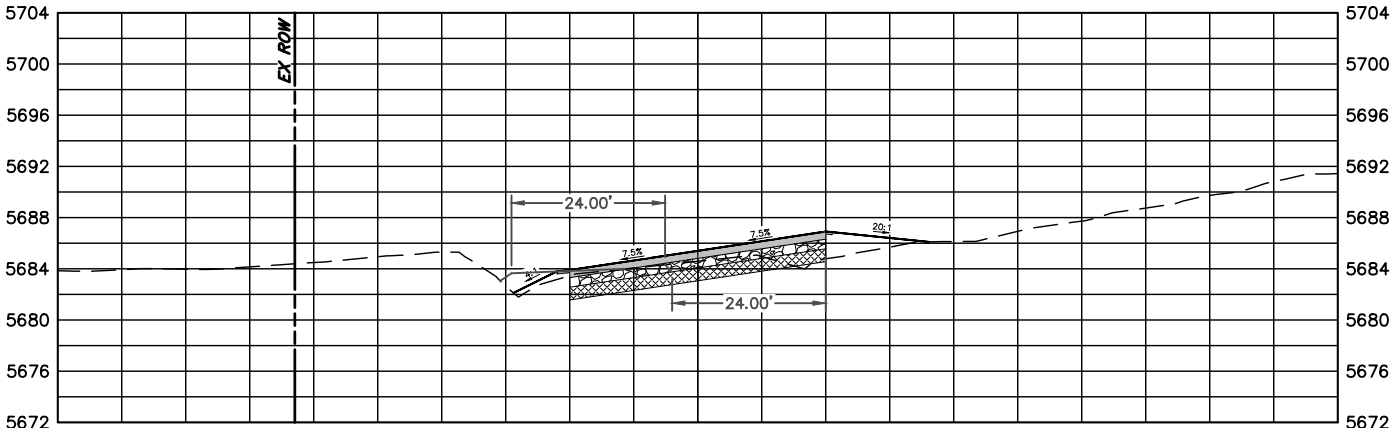
130+00

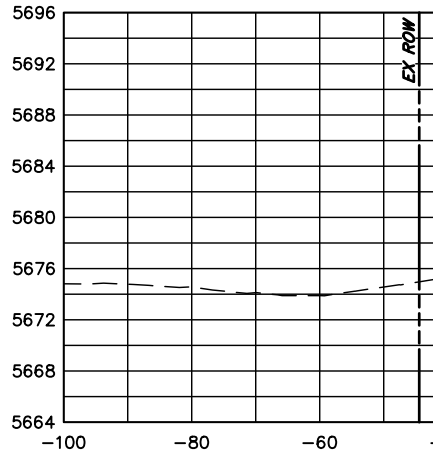


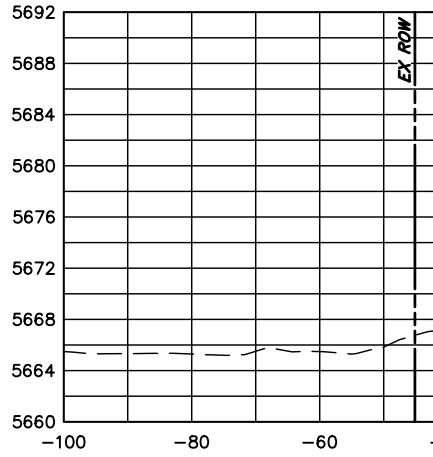
131+00

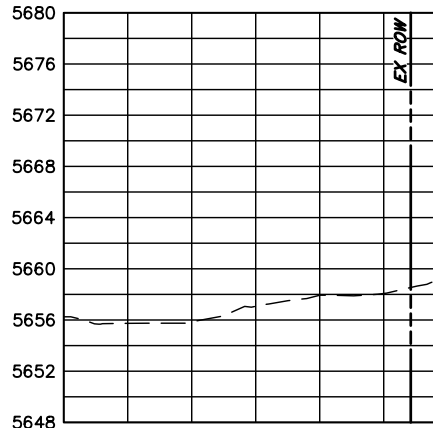


132+00

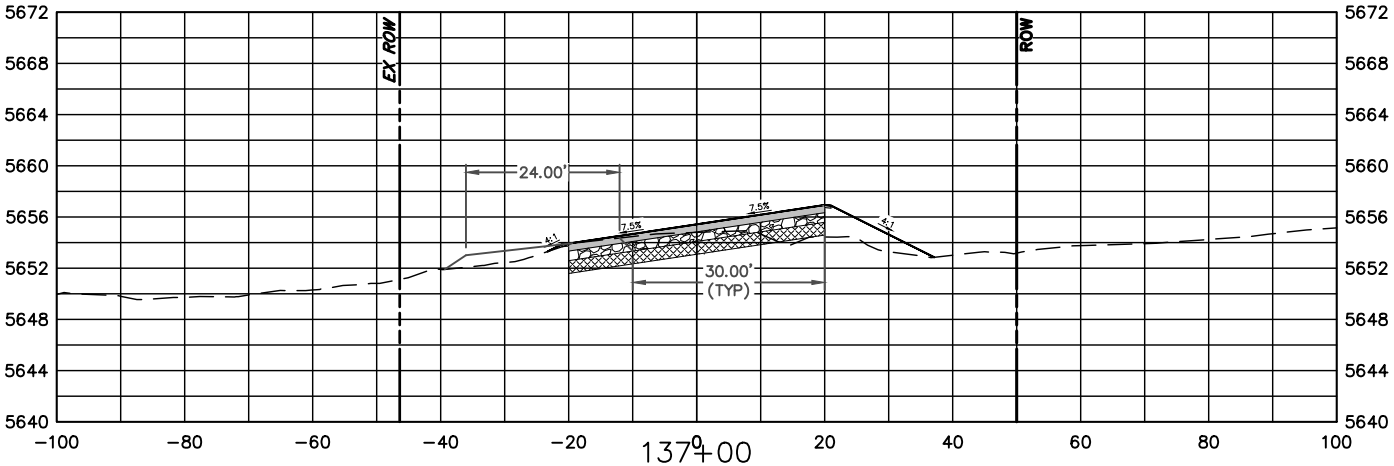


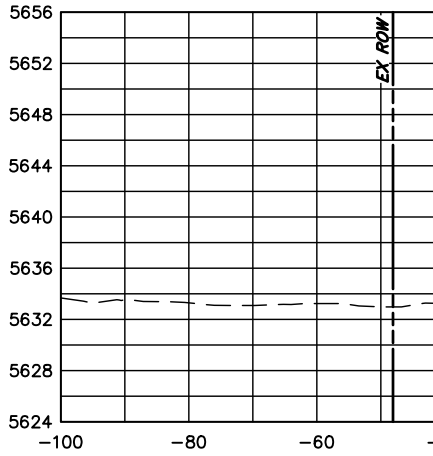




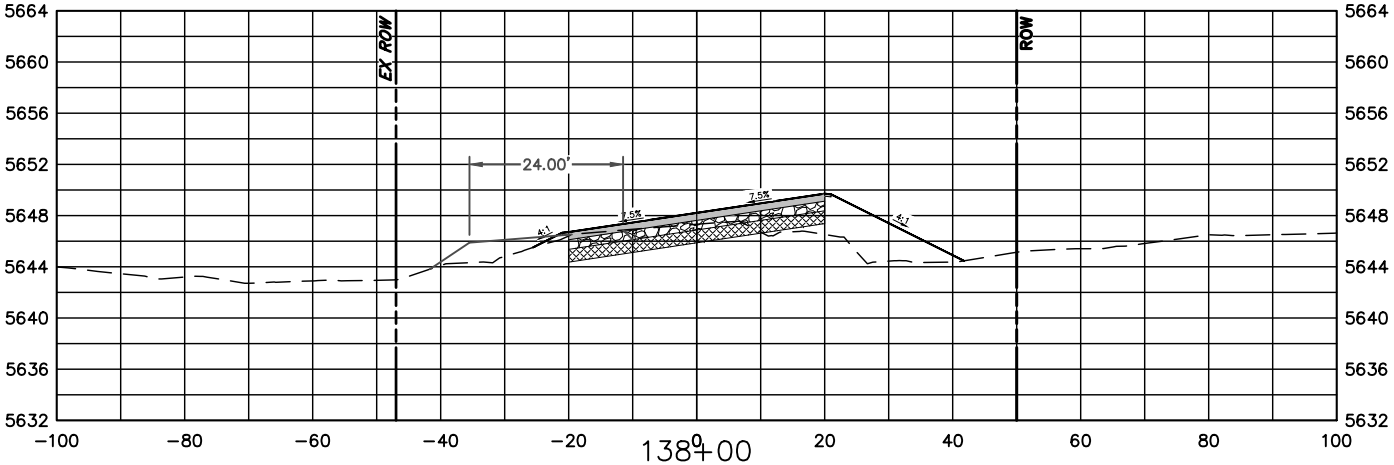


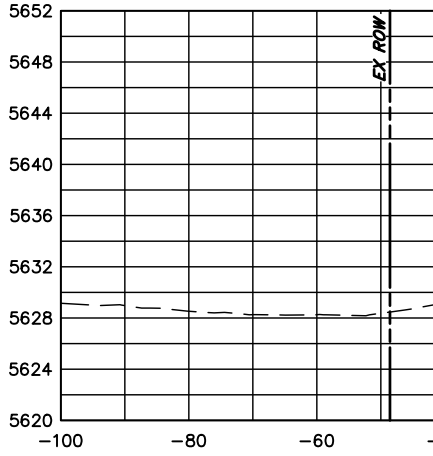
136+00





137+00





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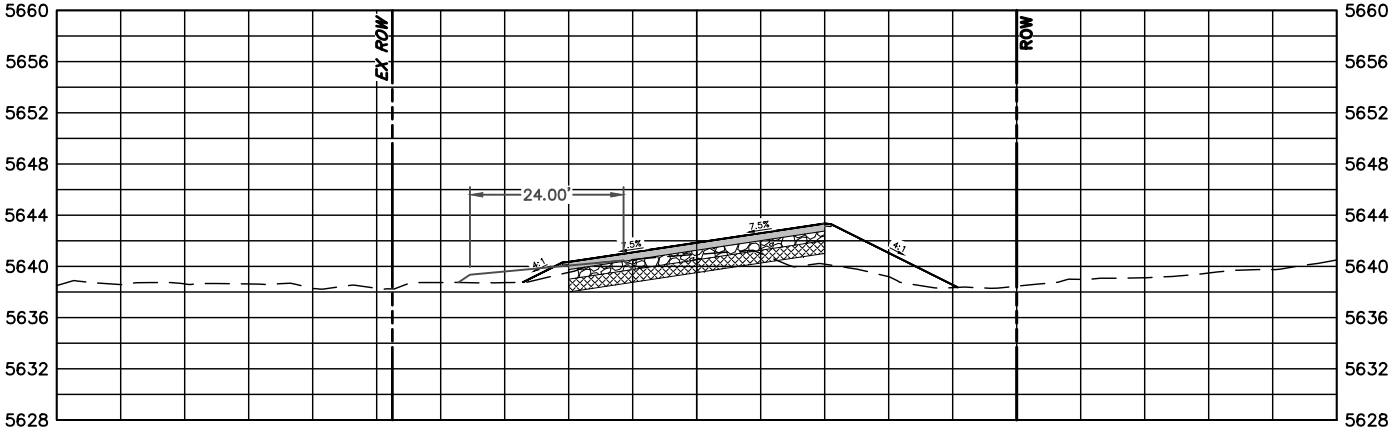

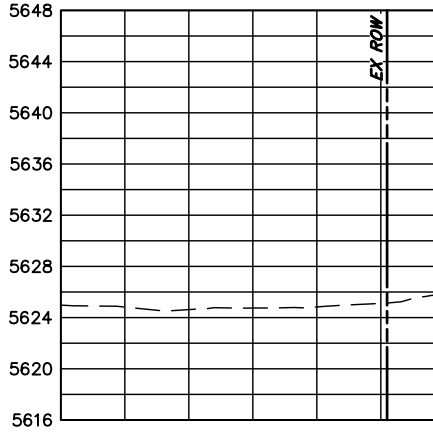

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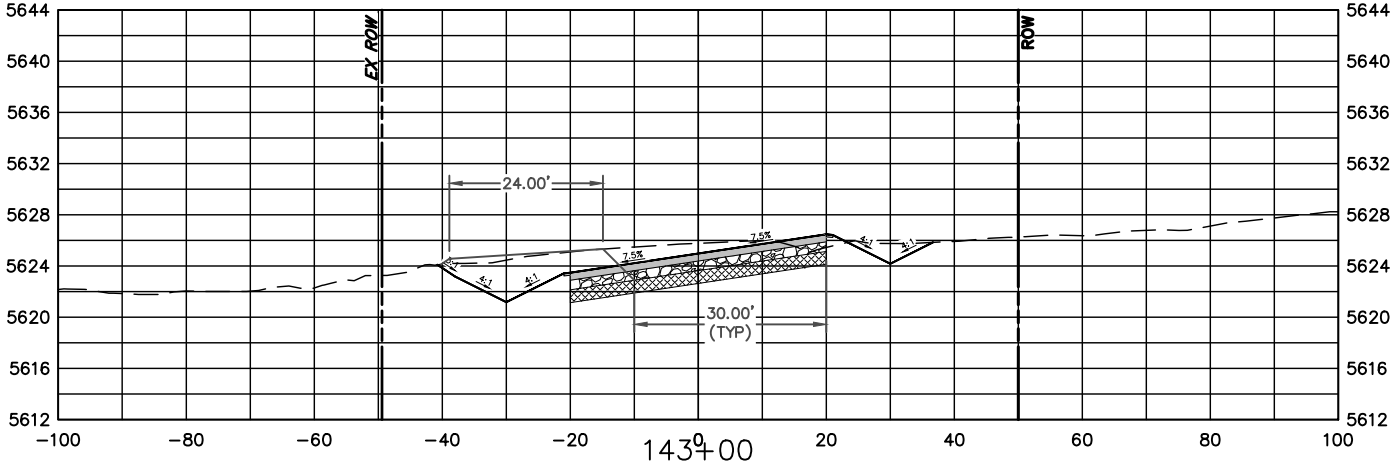

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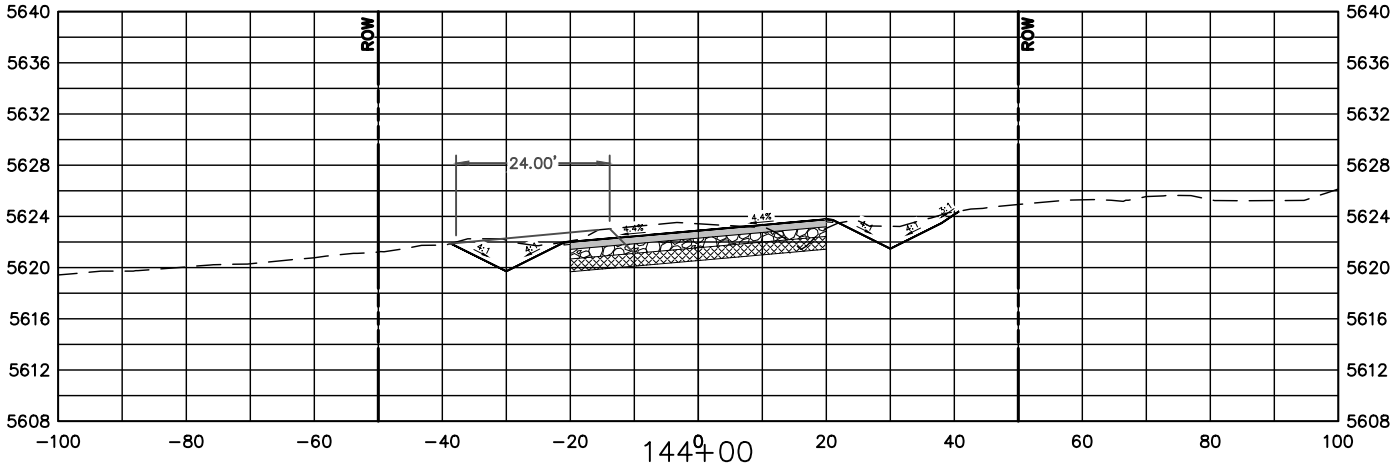

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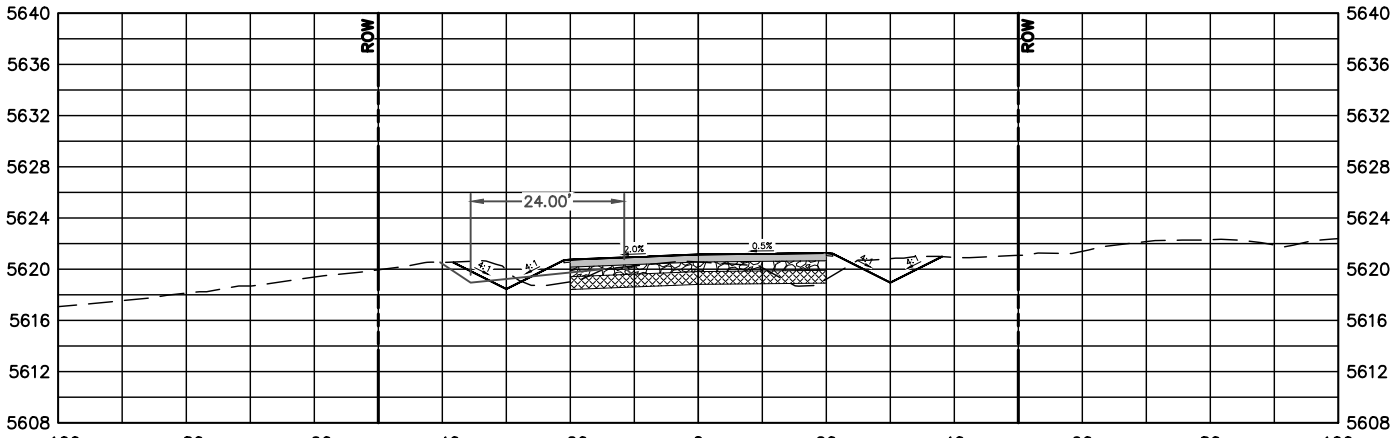

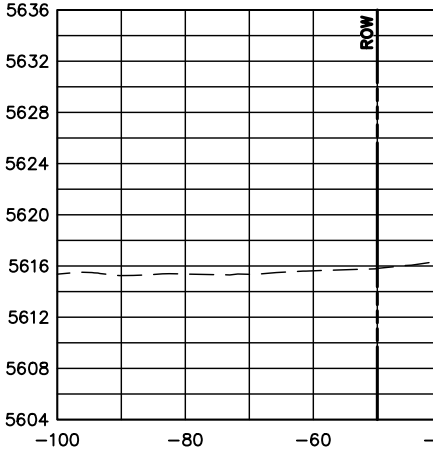

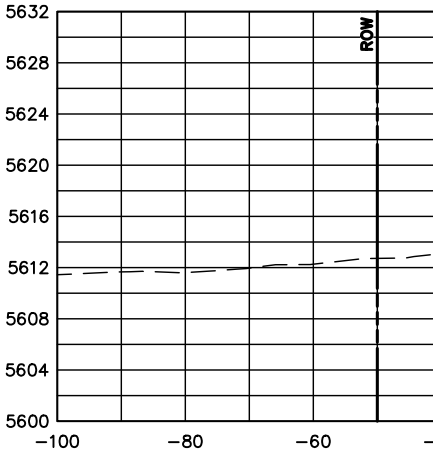

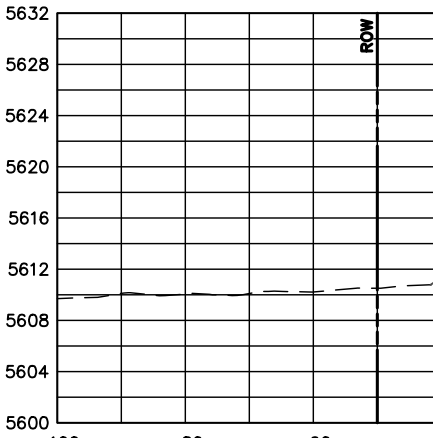

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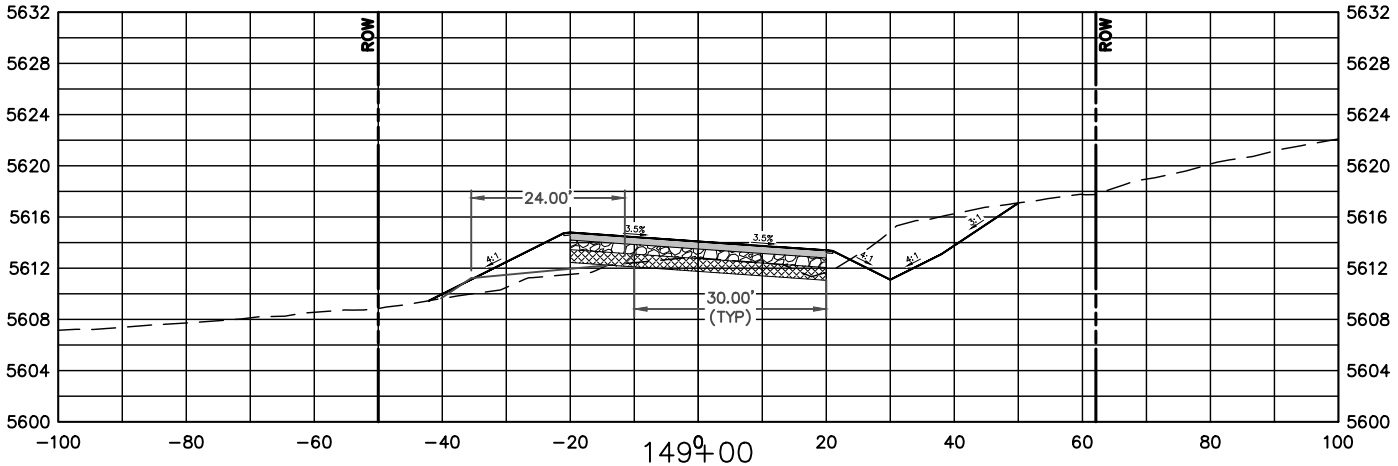

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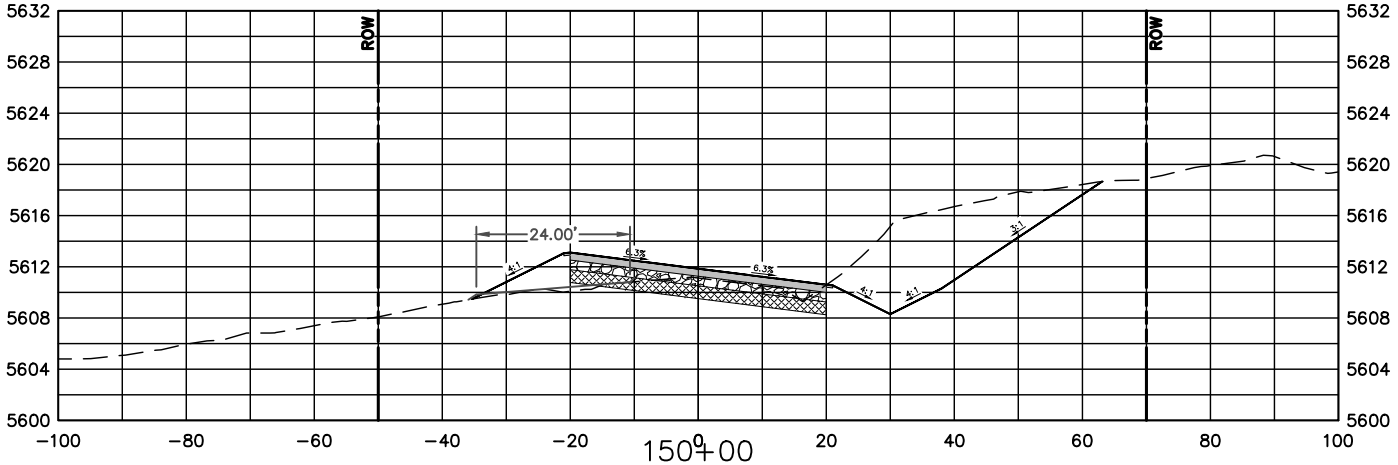

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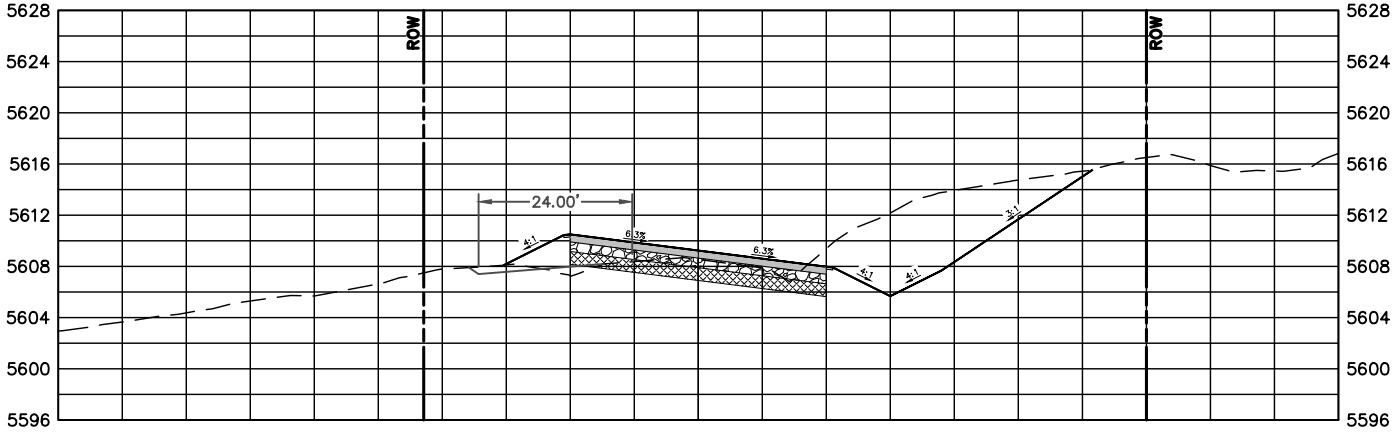

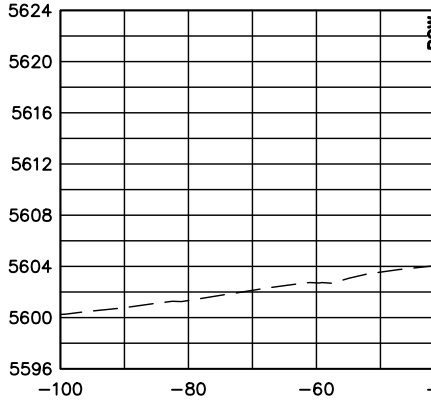

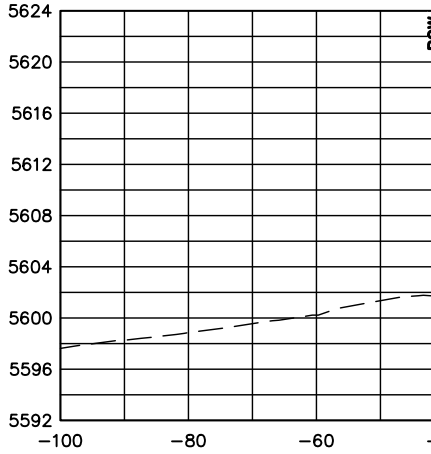

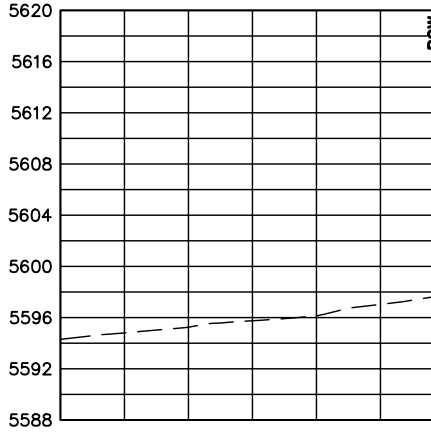

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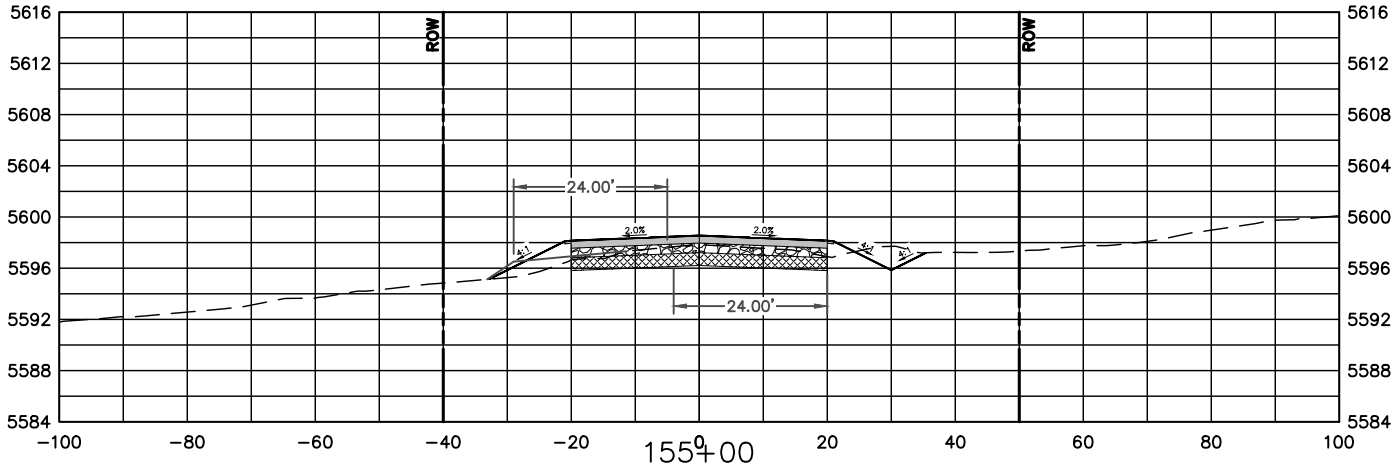

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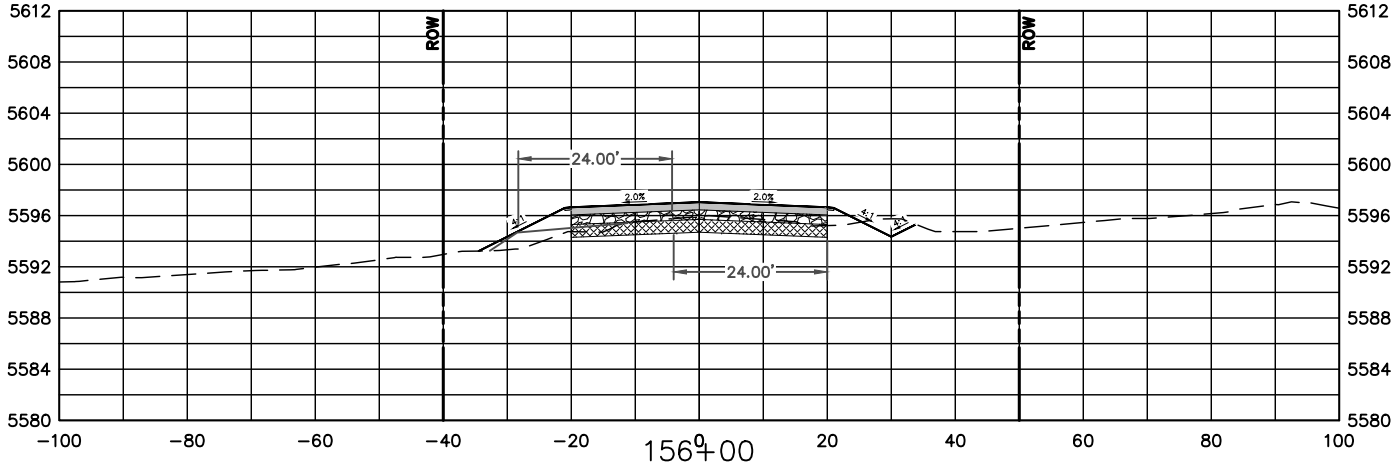

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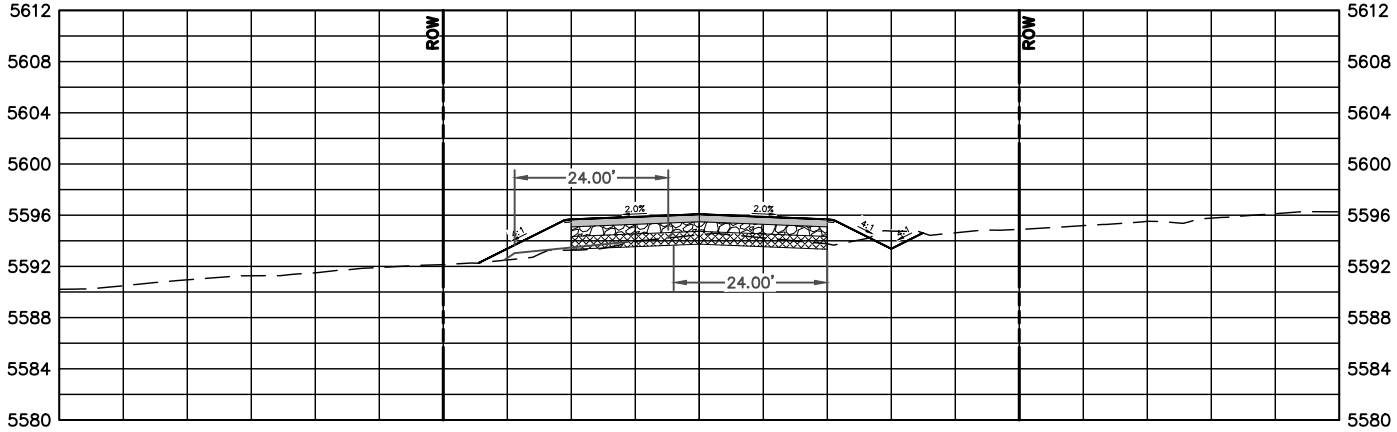

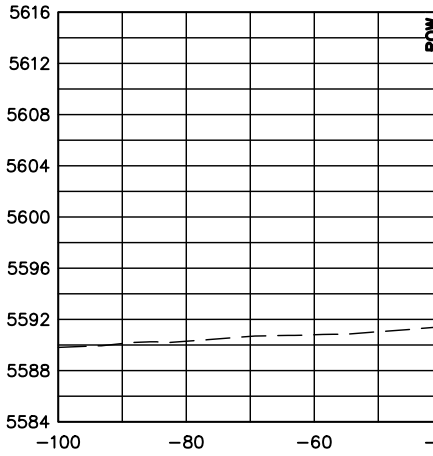

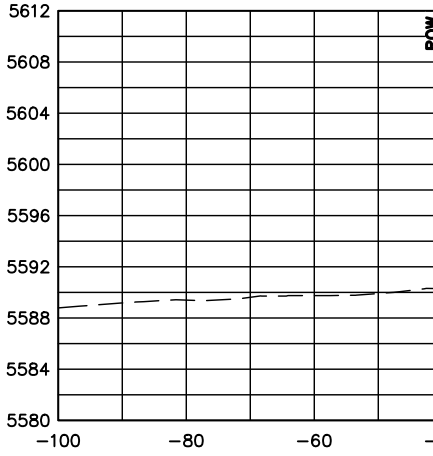

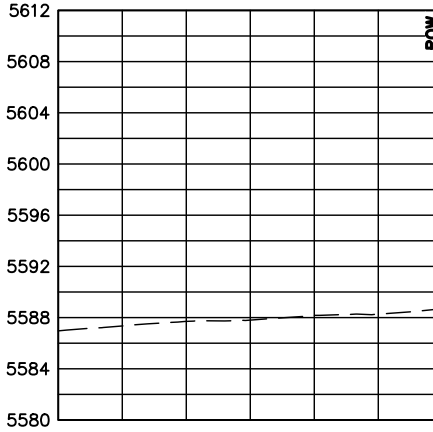

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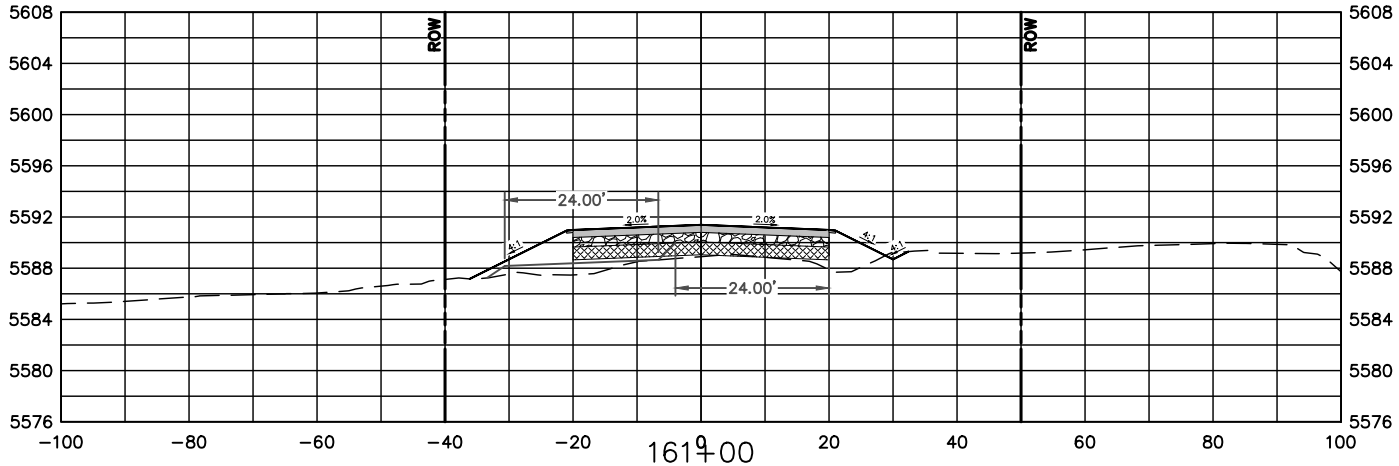

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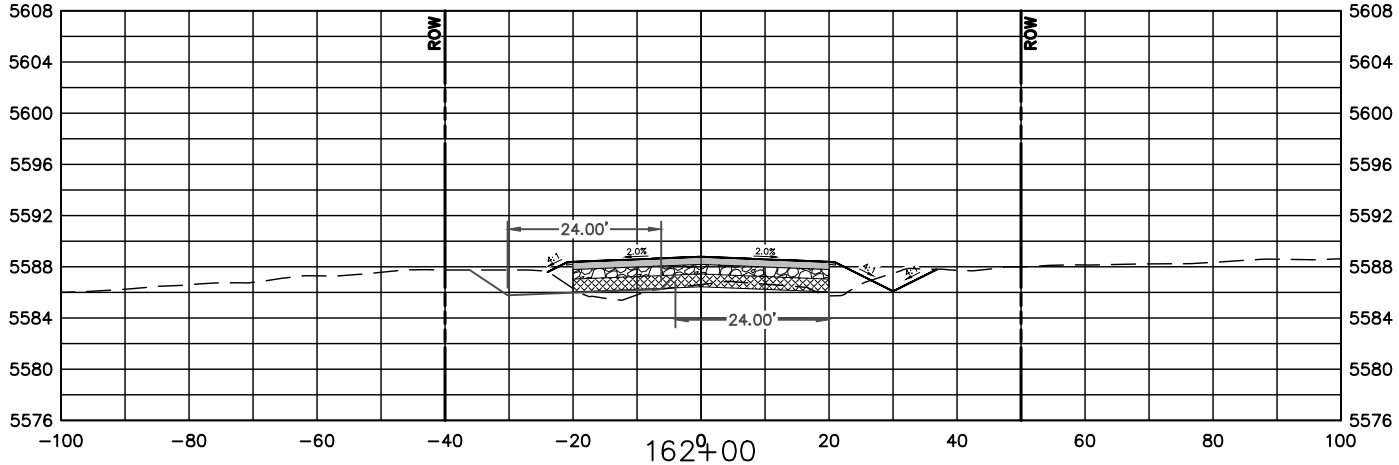

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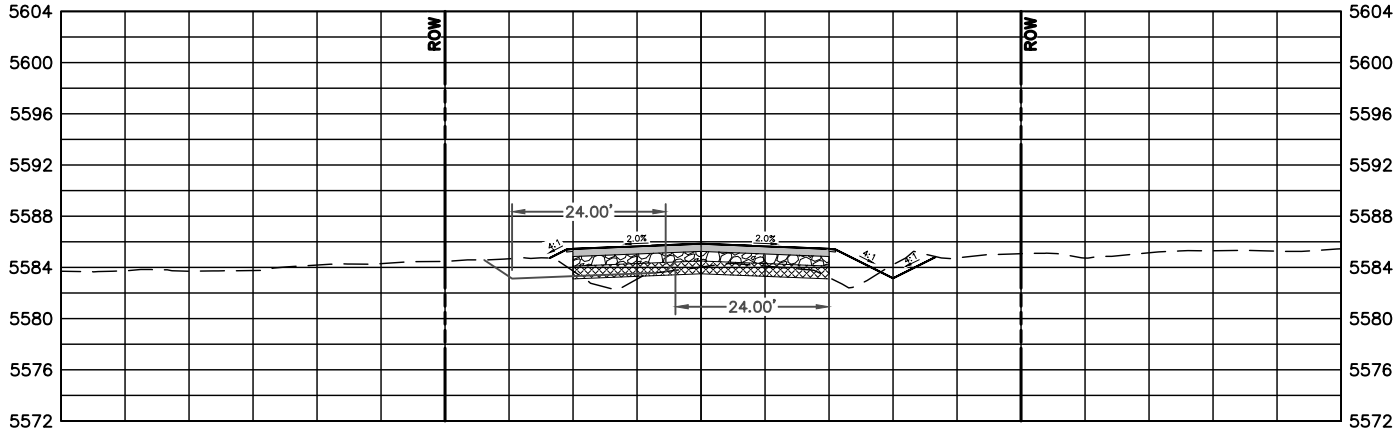

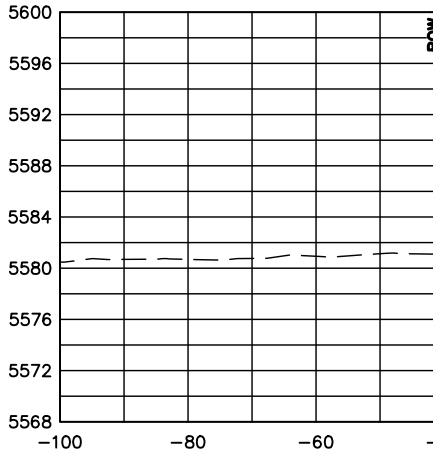

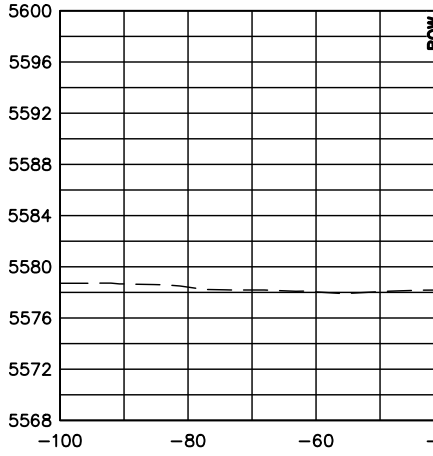

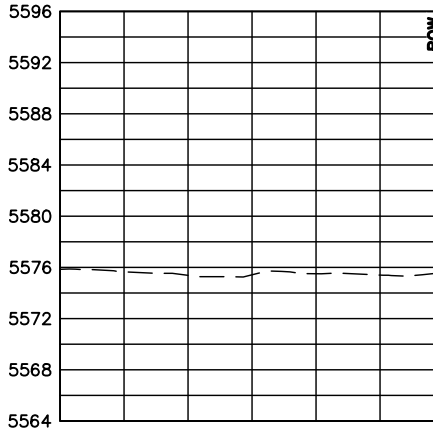

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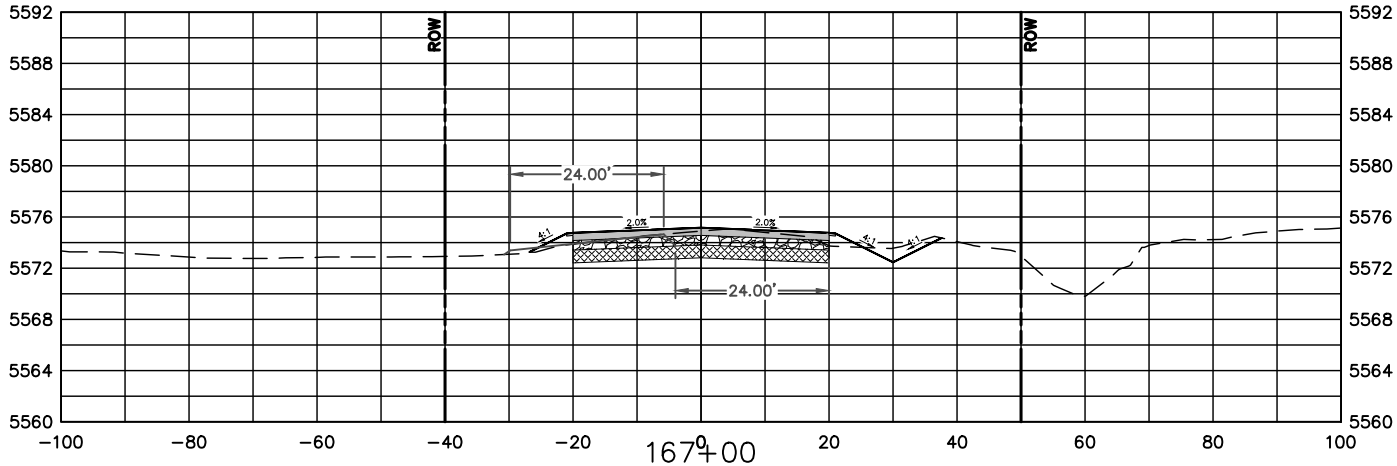

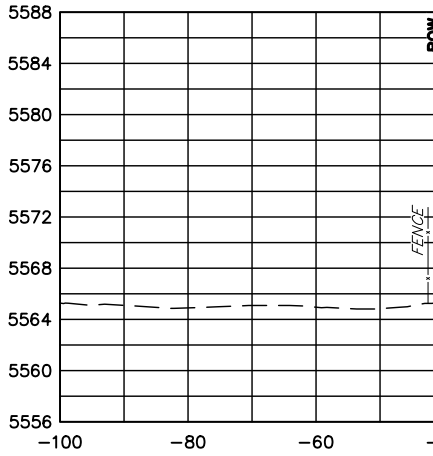

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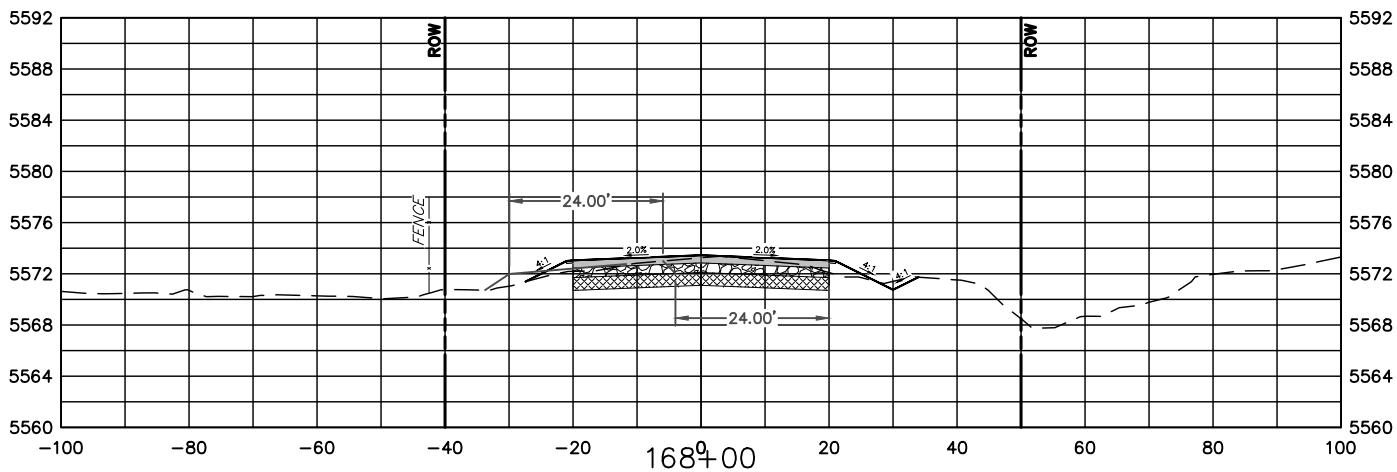

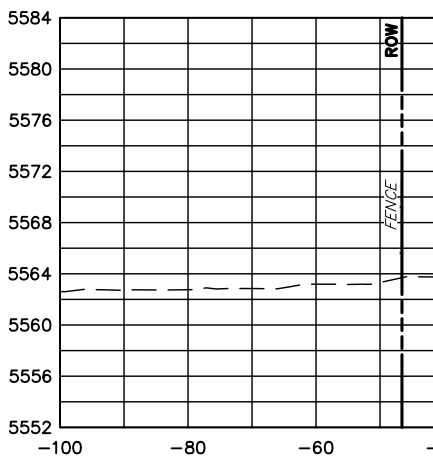

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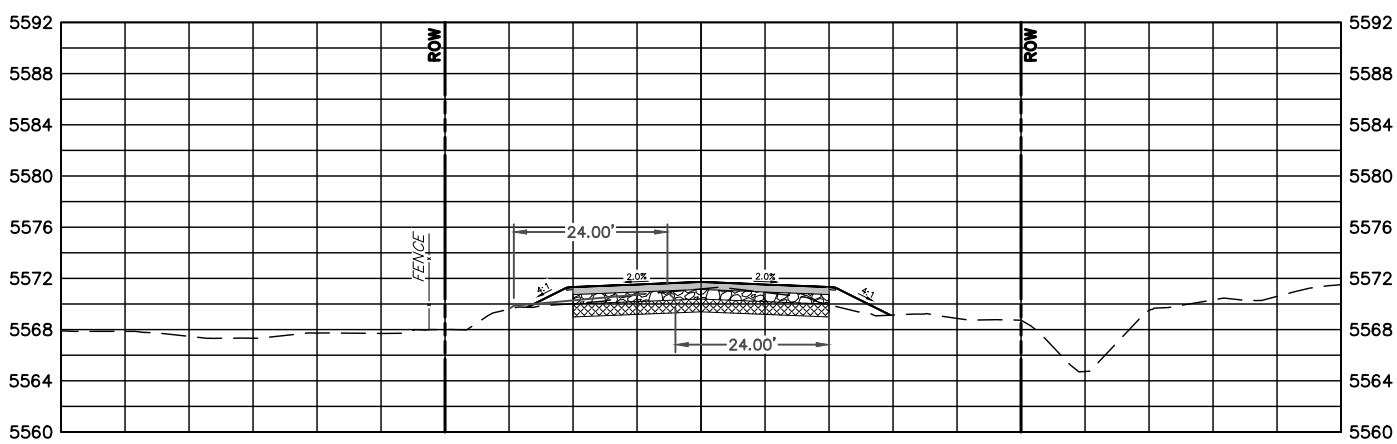

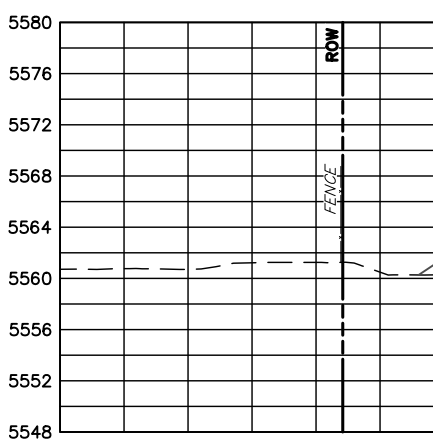

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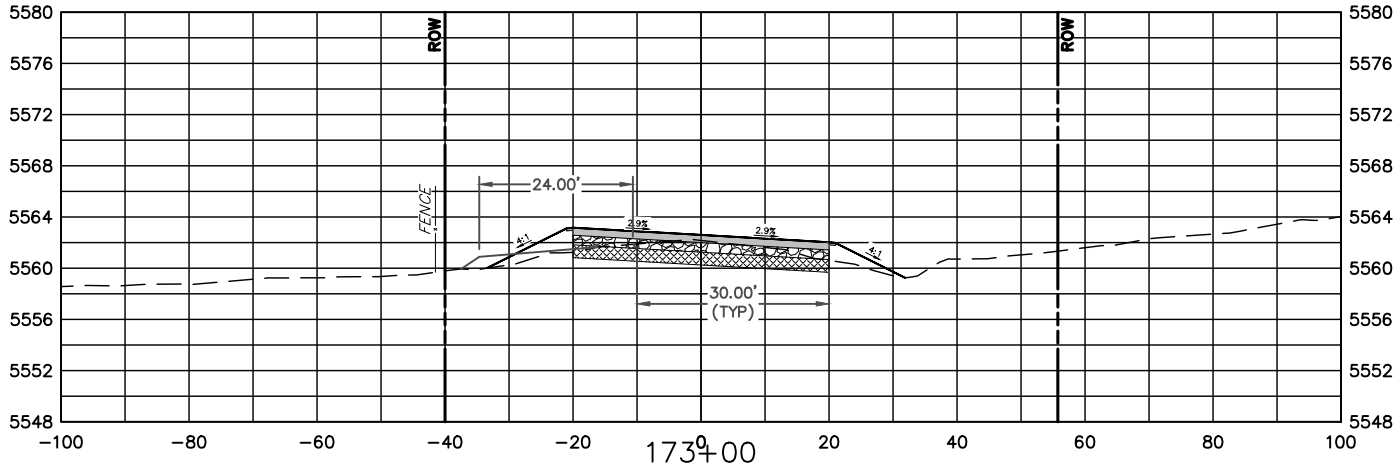

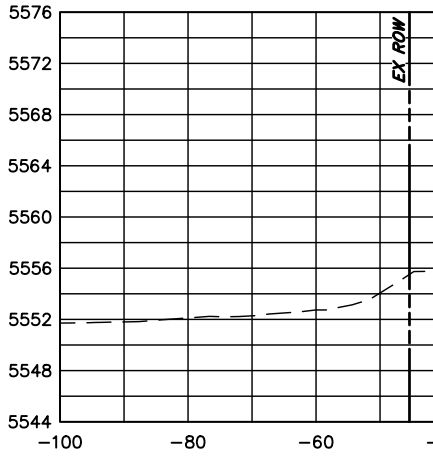

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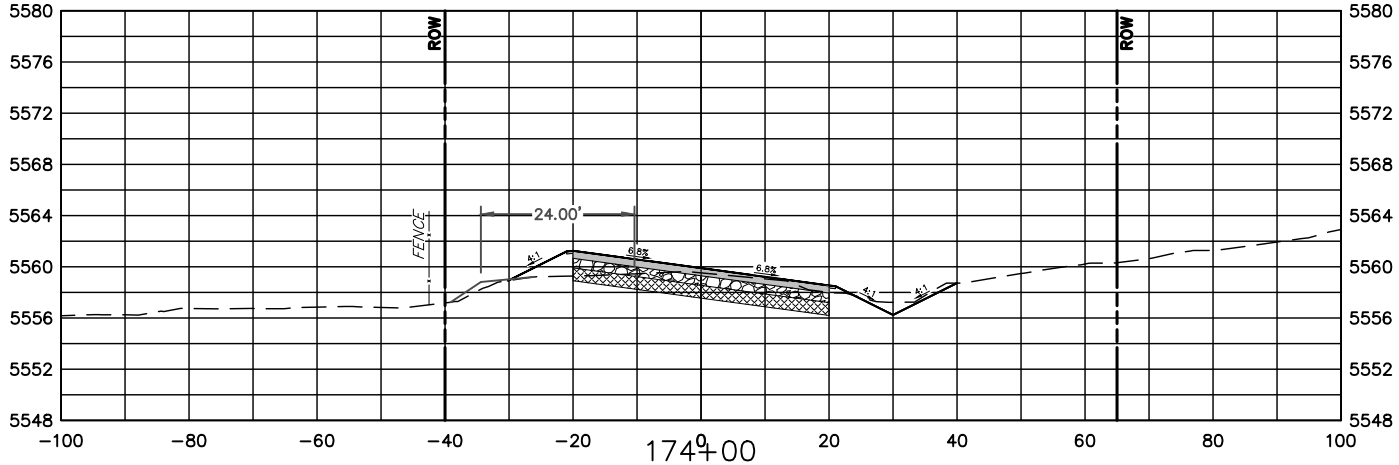

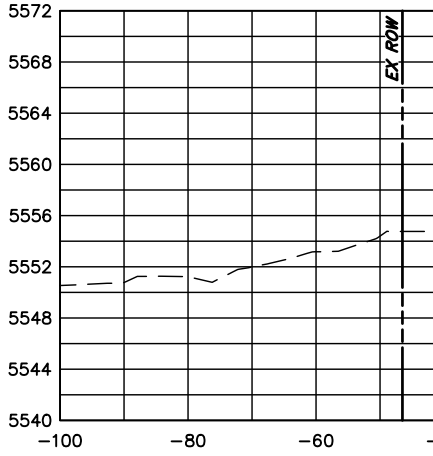

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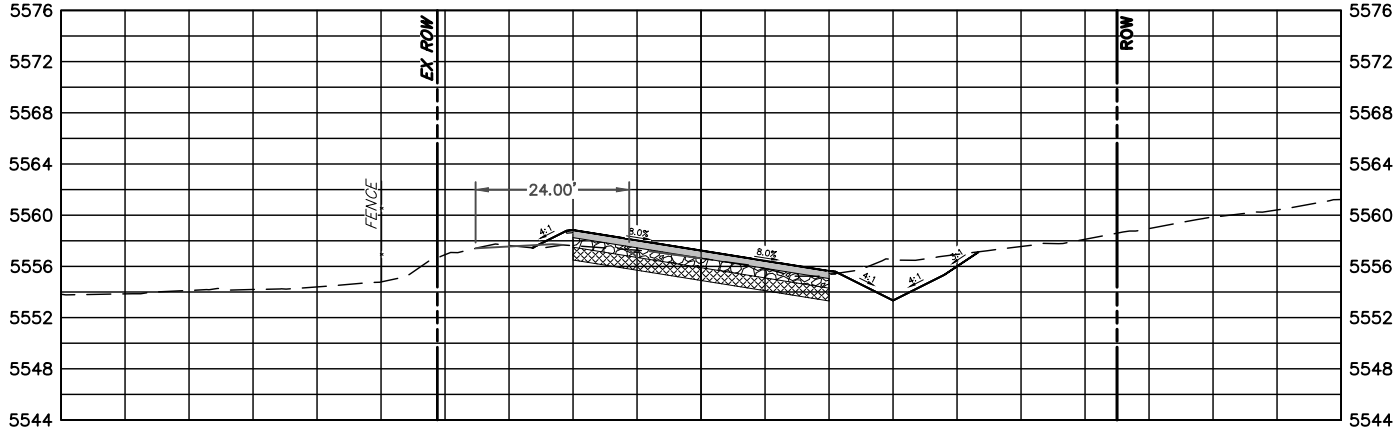

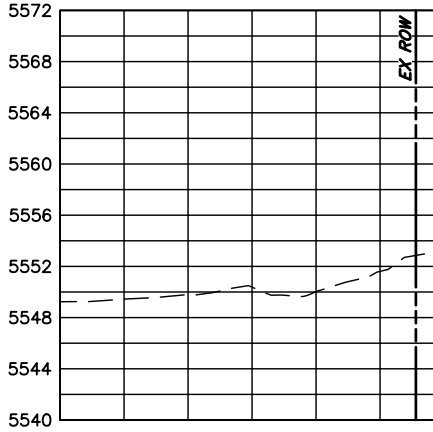

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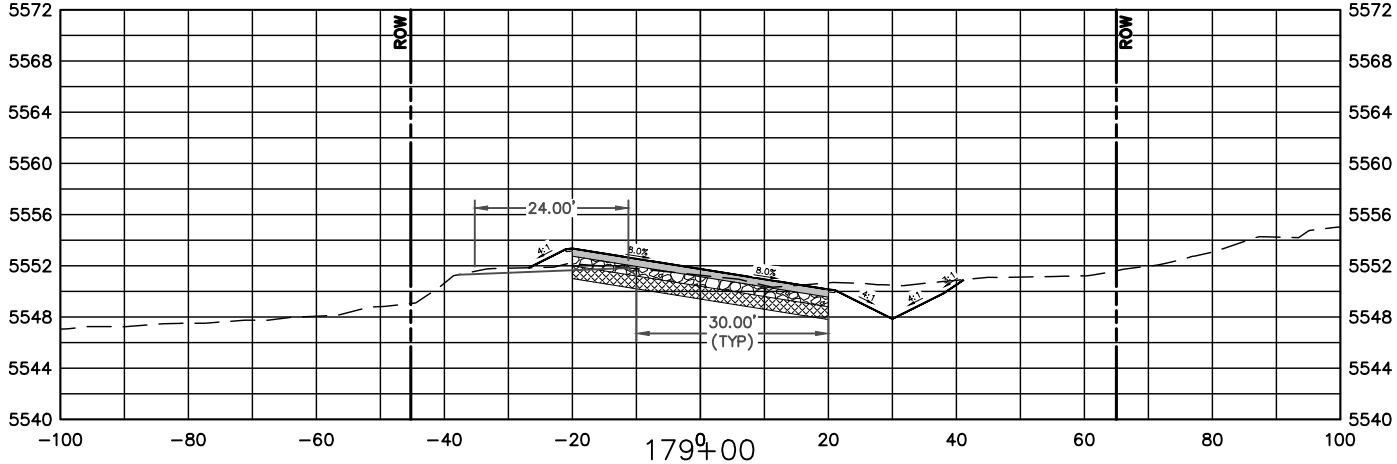

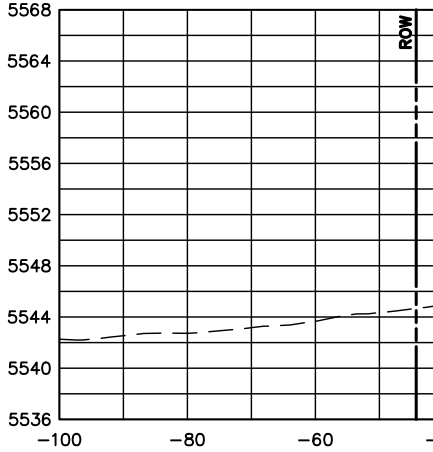

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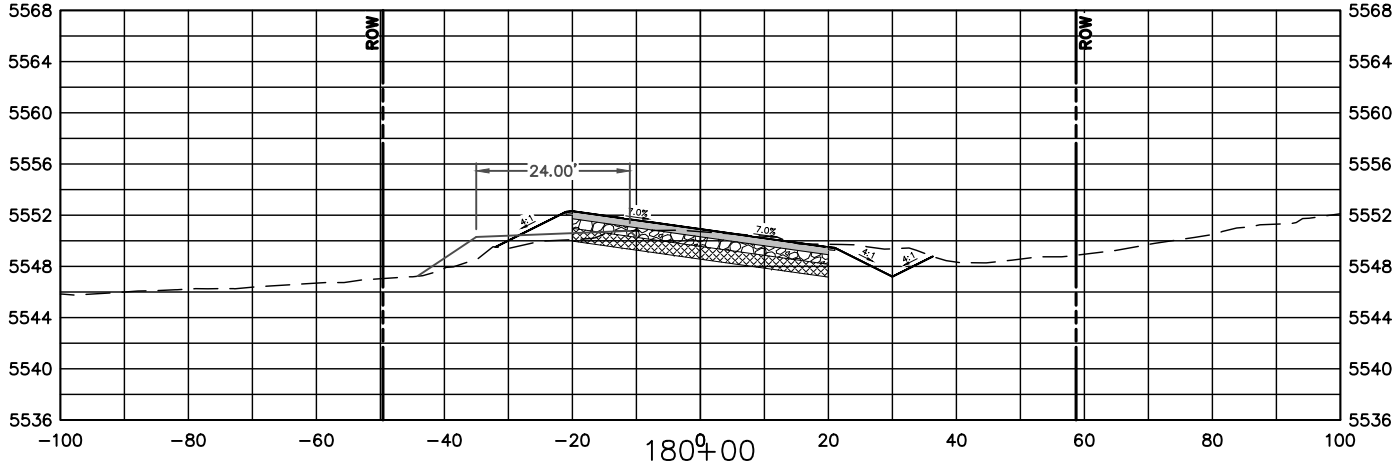

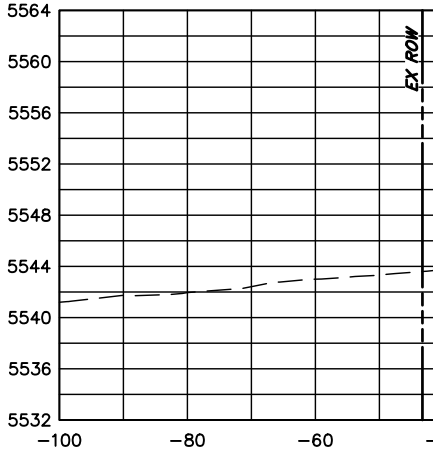

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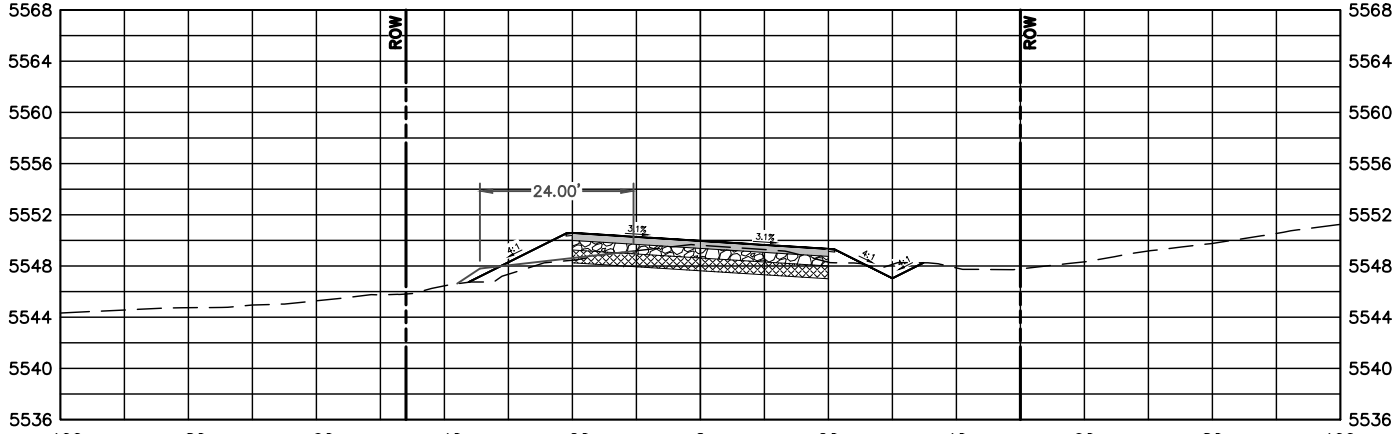

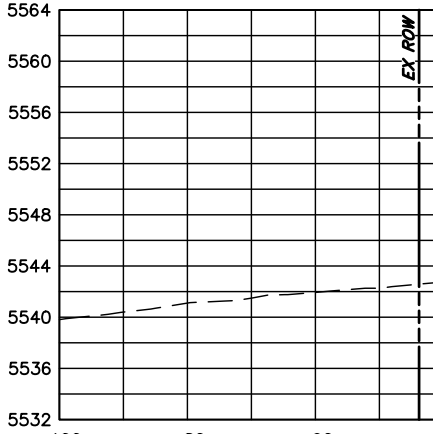

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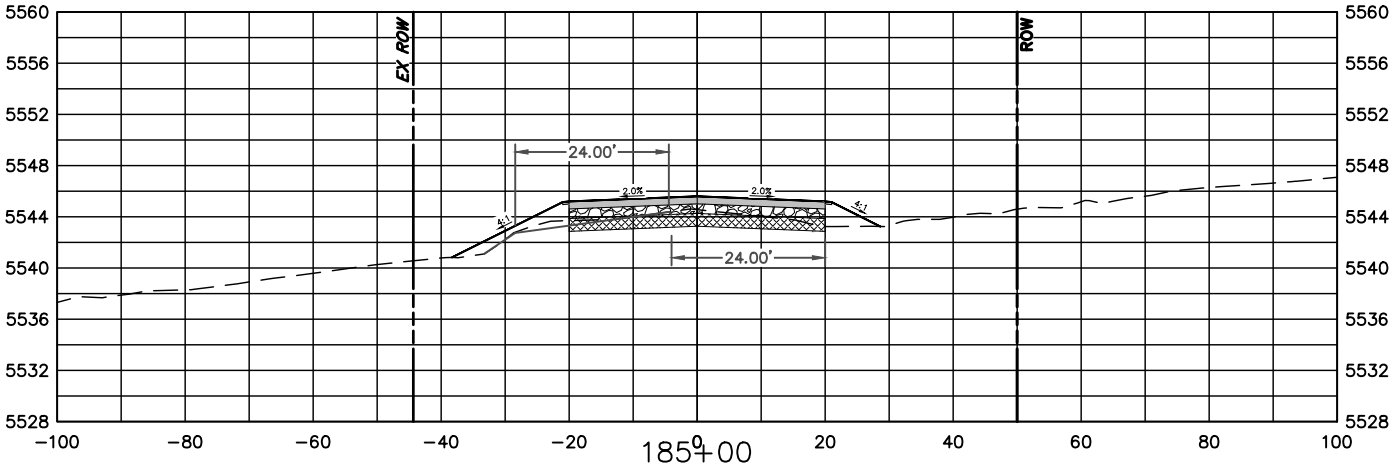

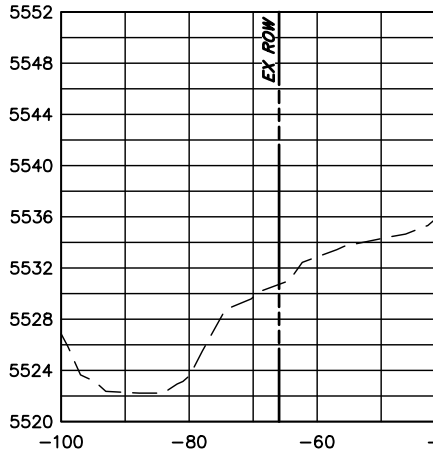

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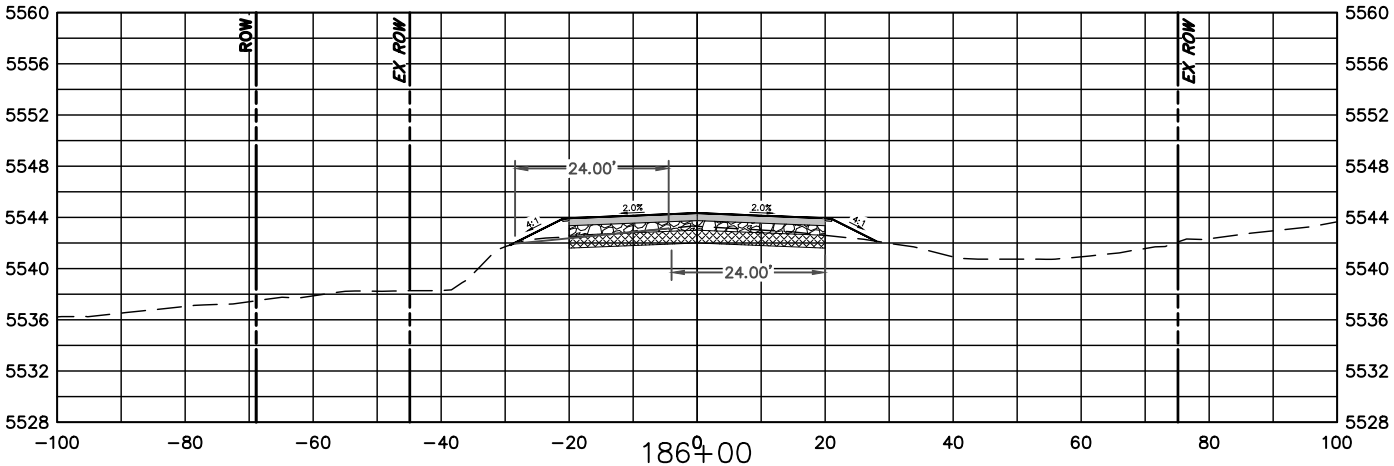

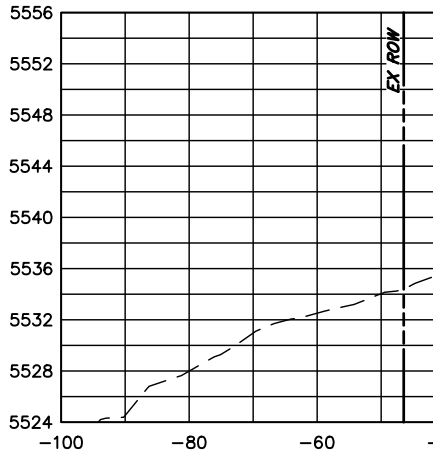

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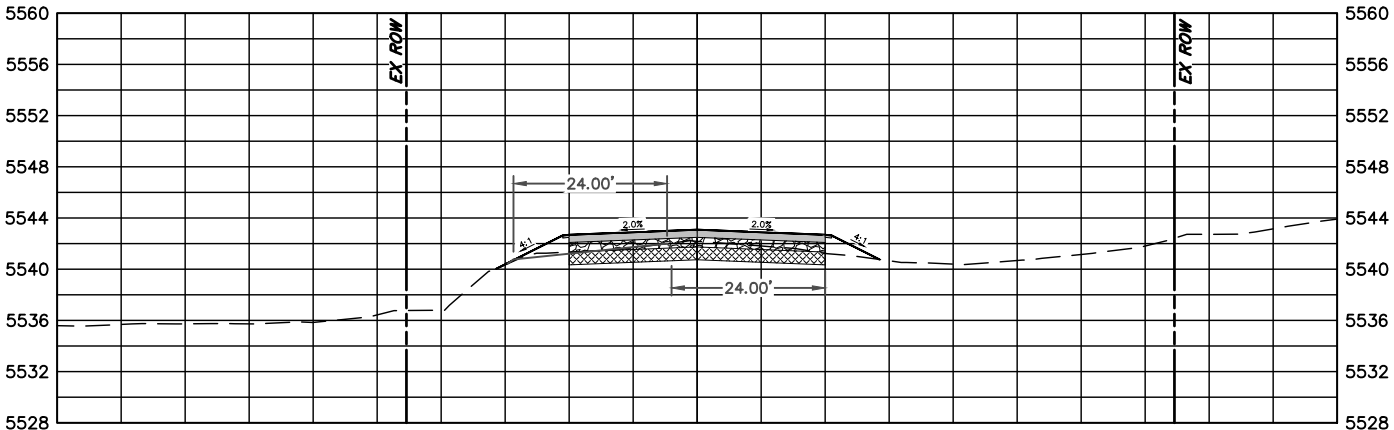

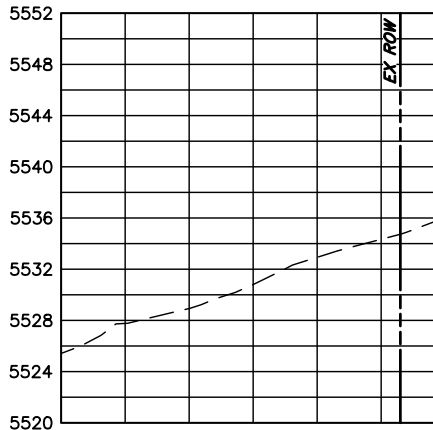

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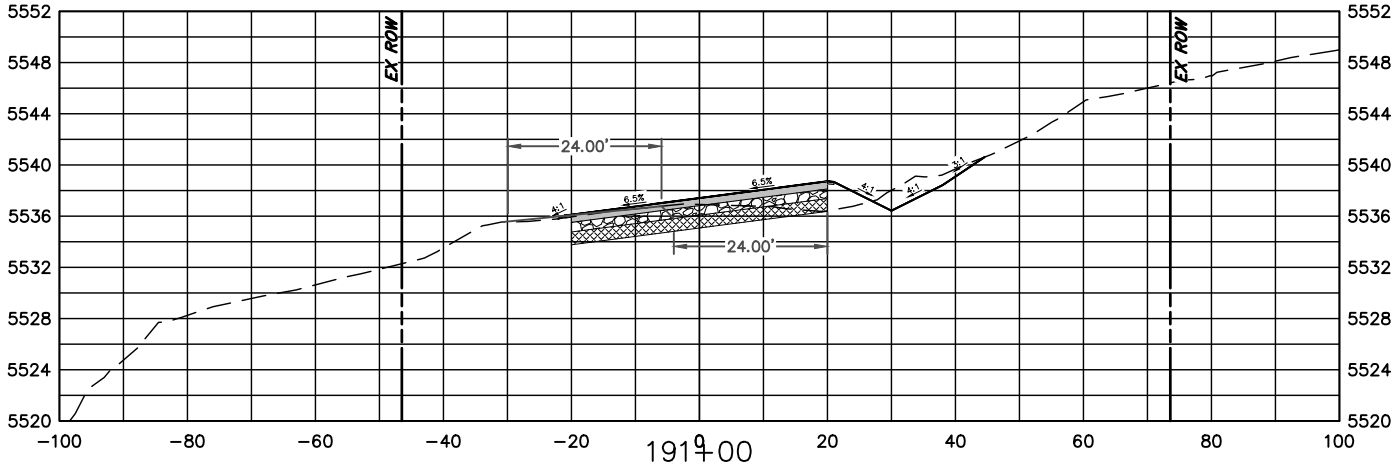

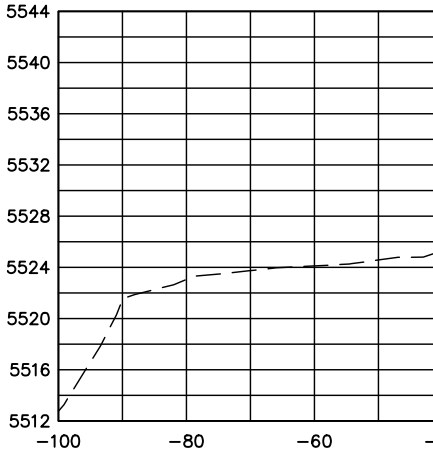

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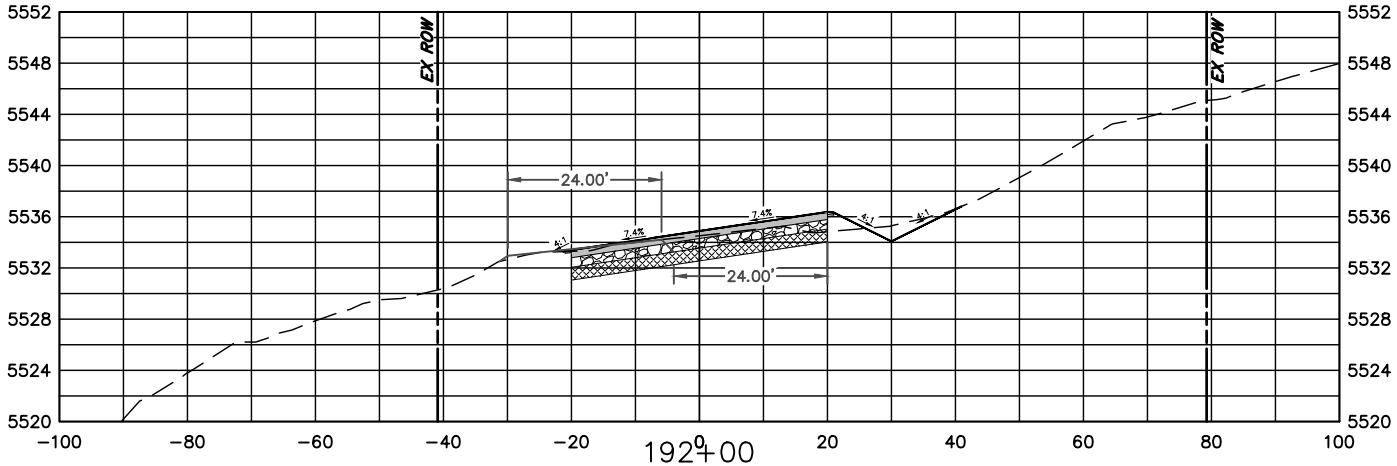

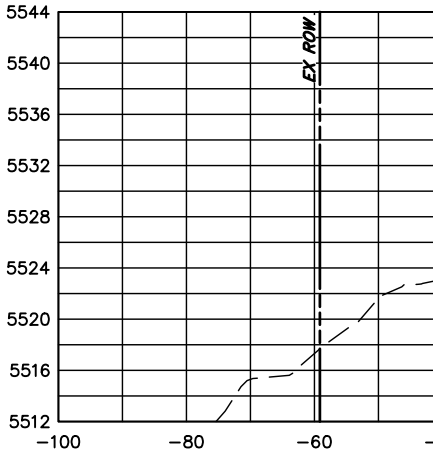

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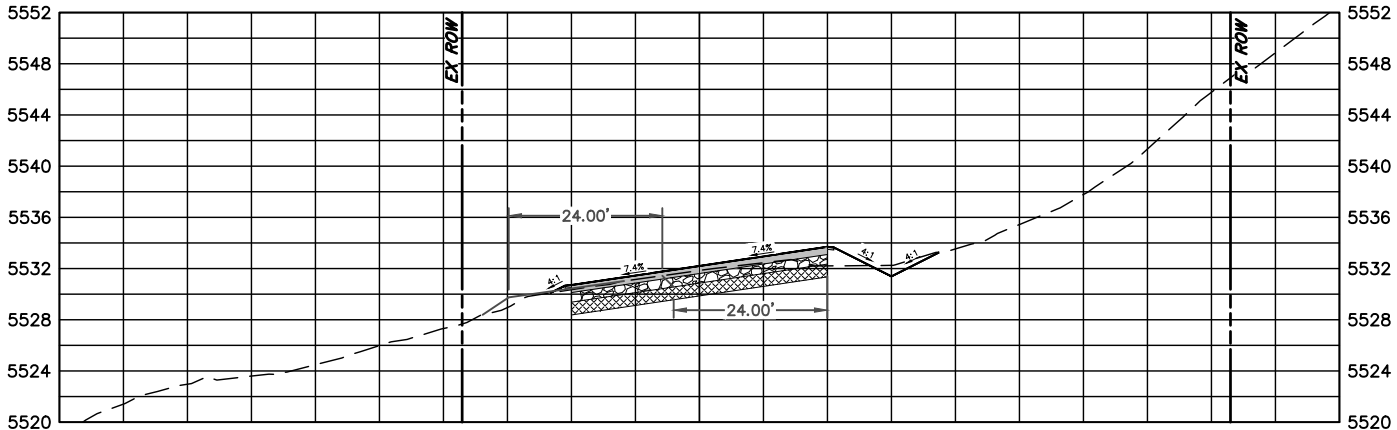

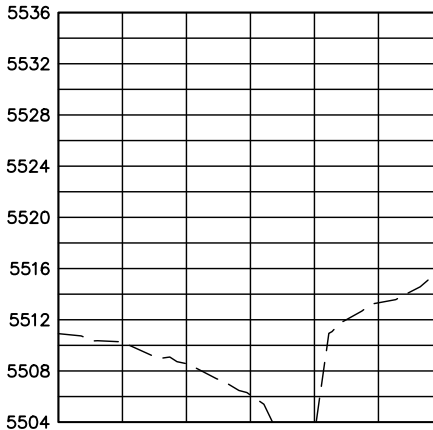

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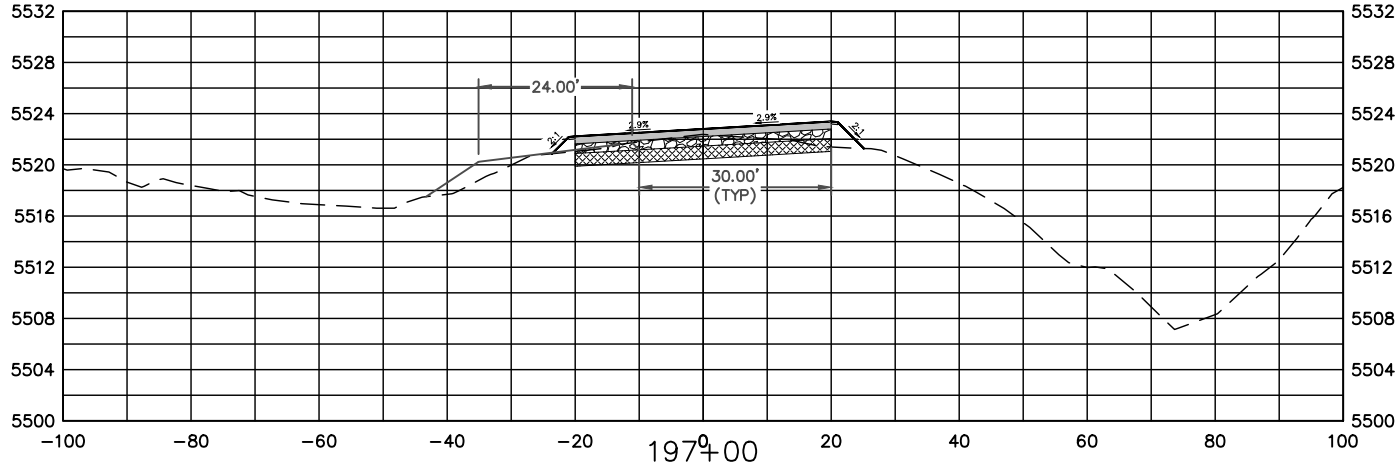

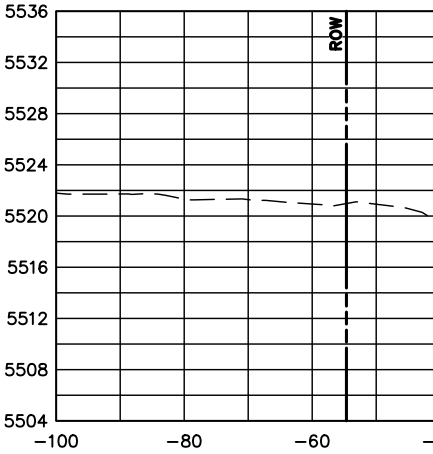

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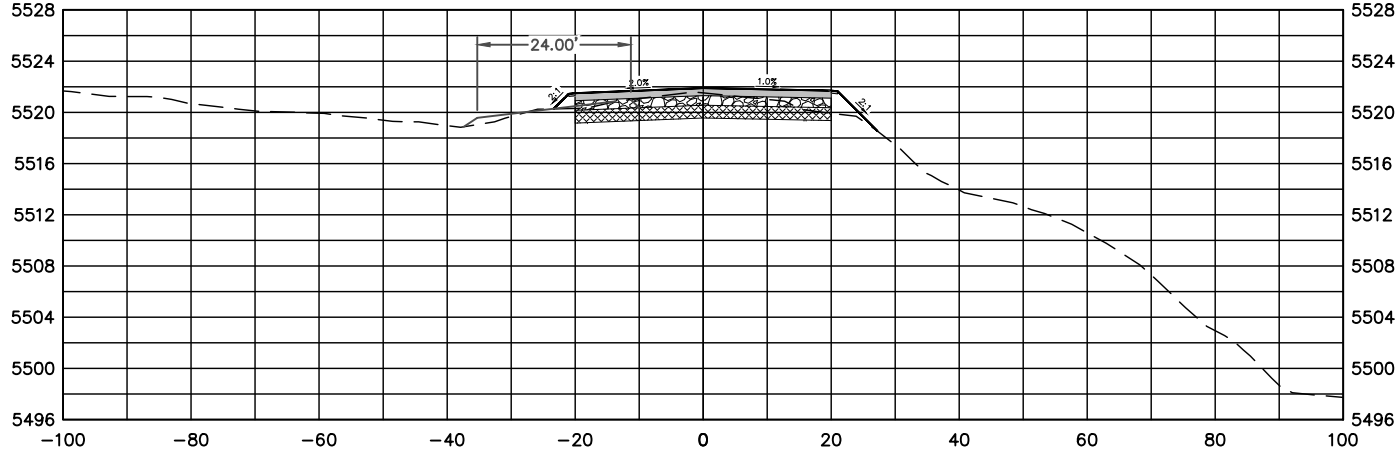

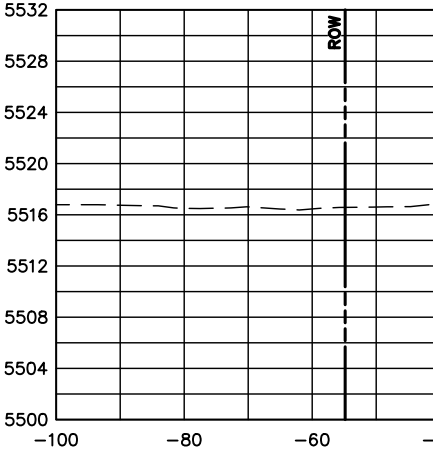

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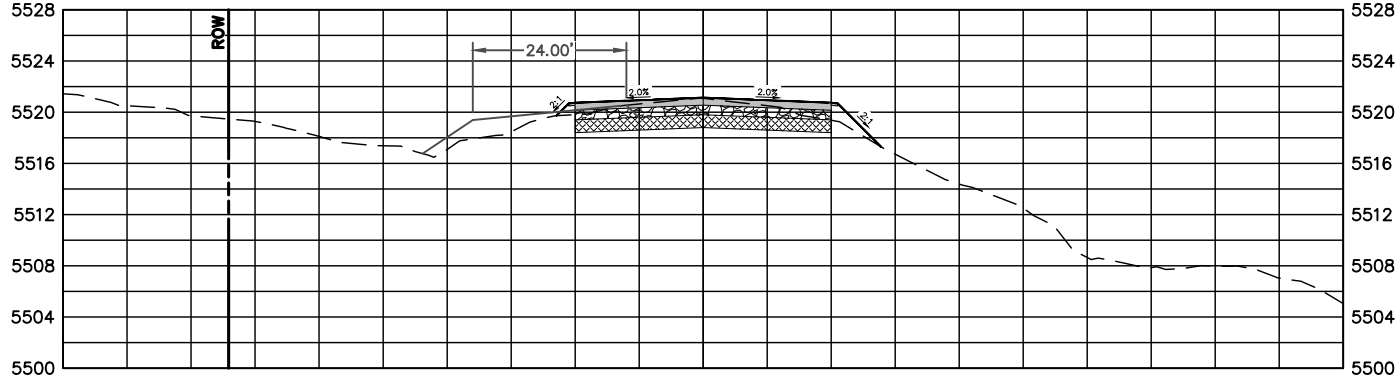

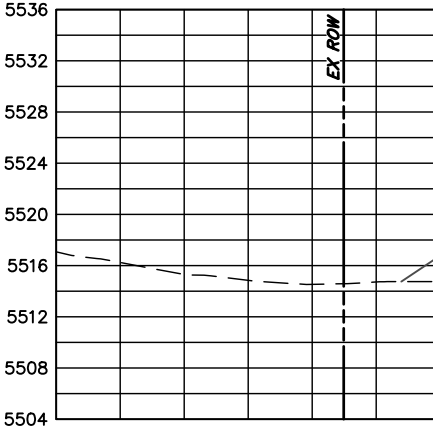

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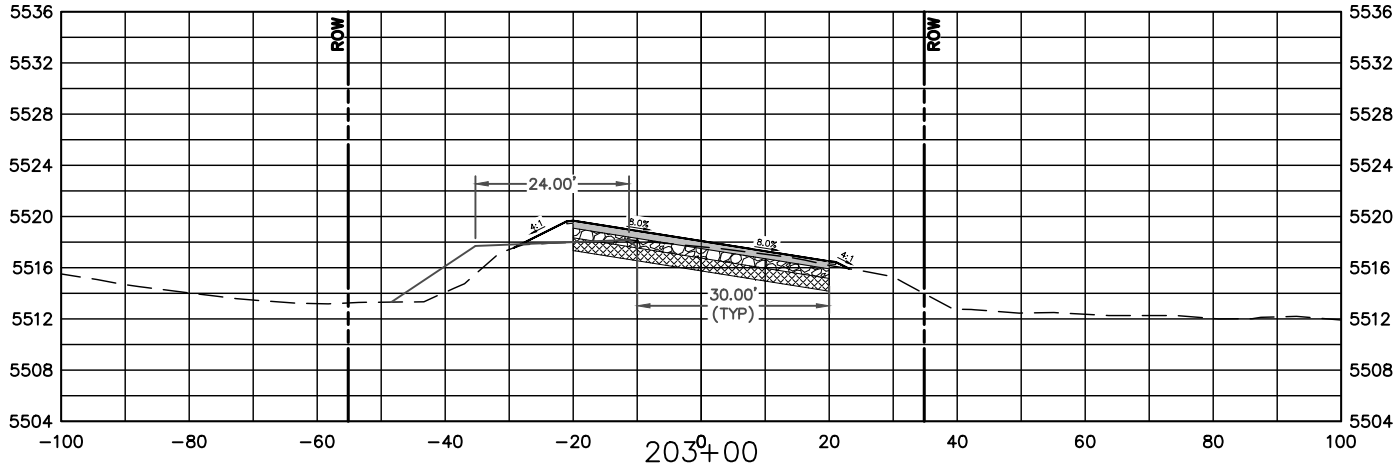

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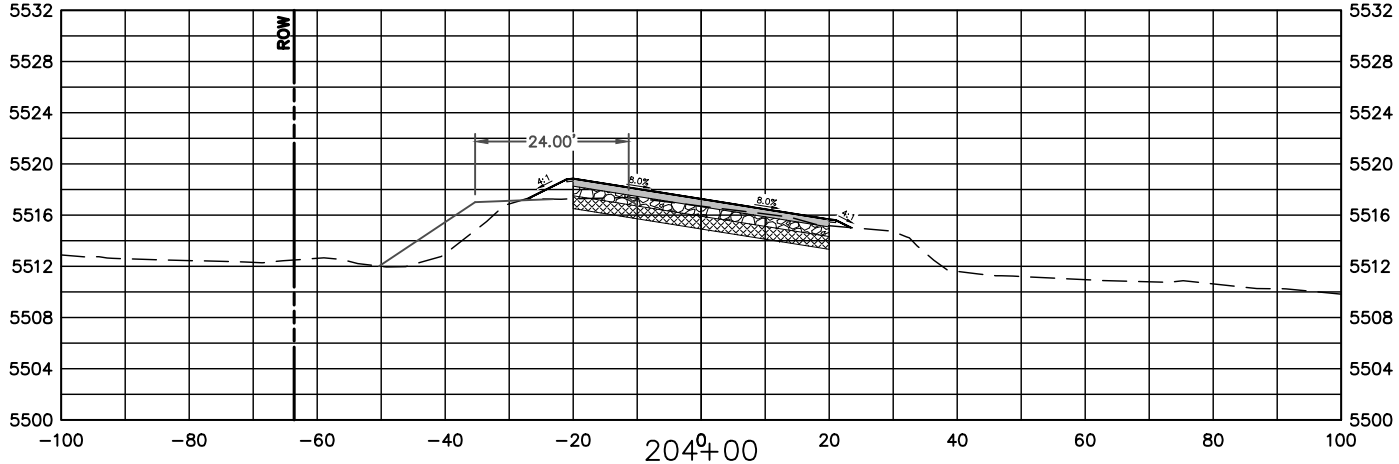

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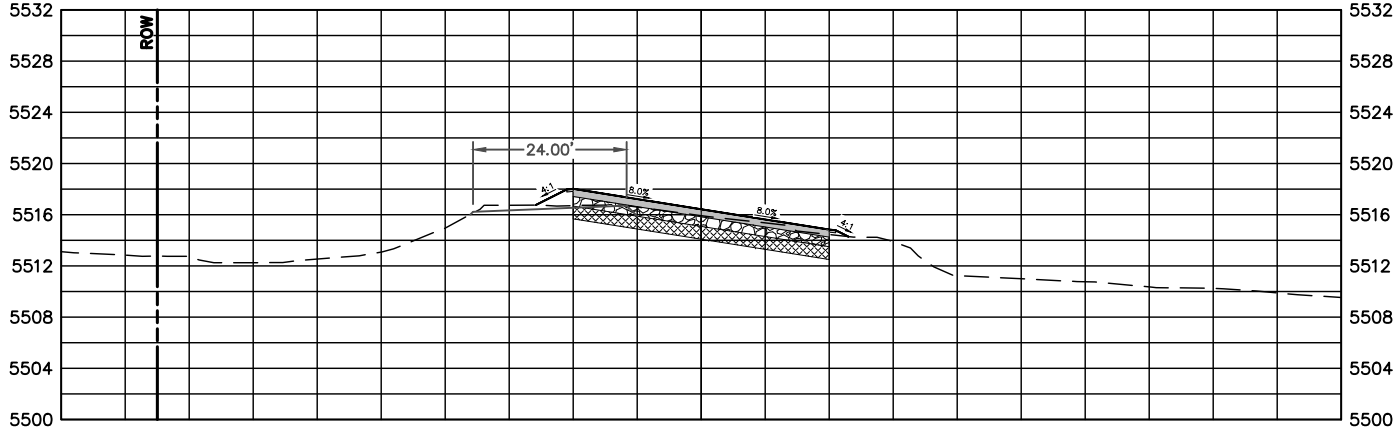

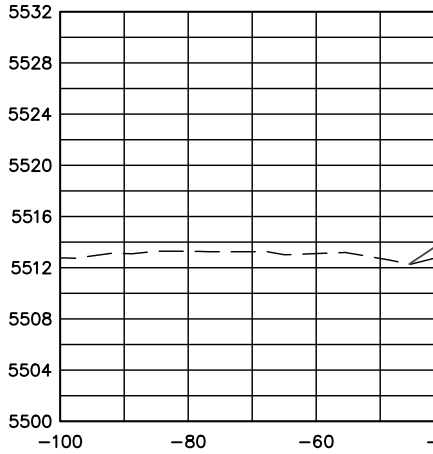

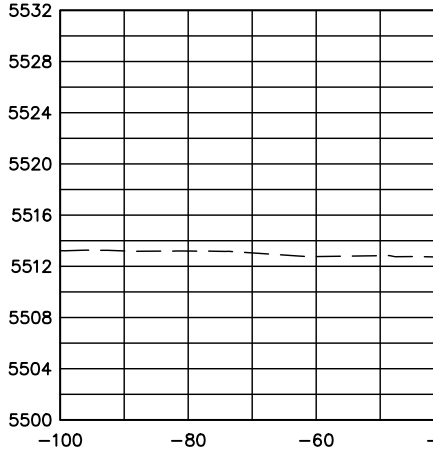

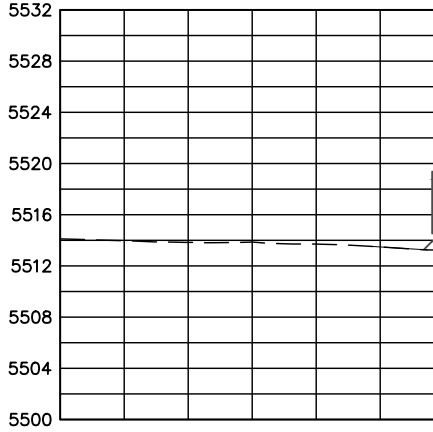

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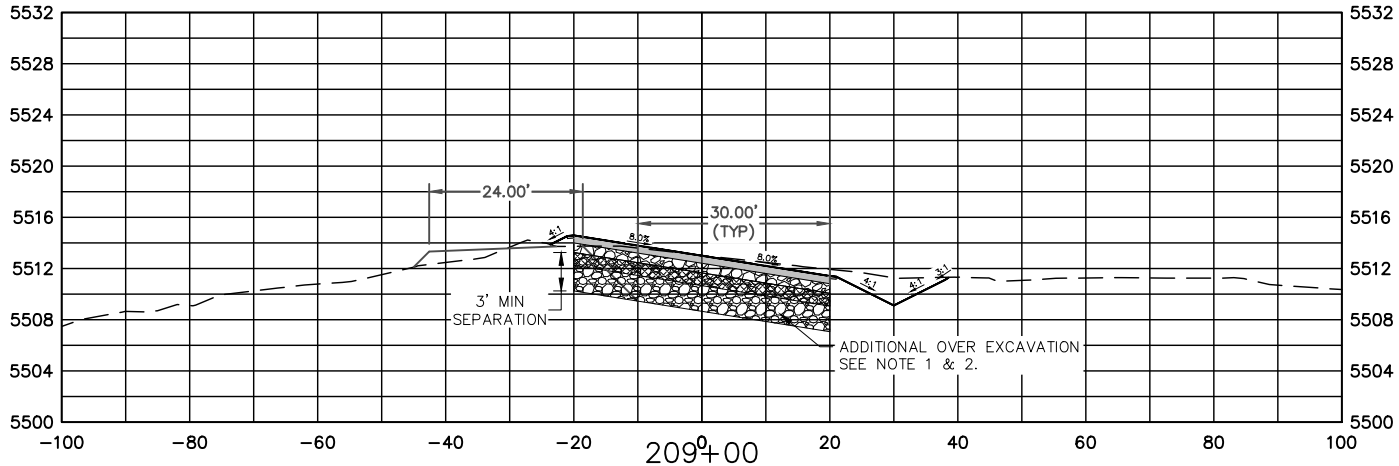

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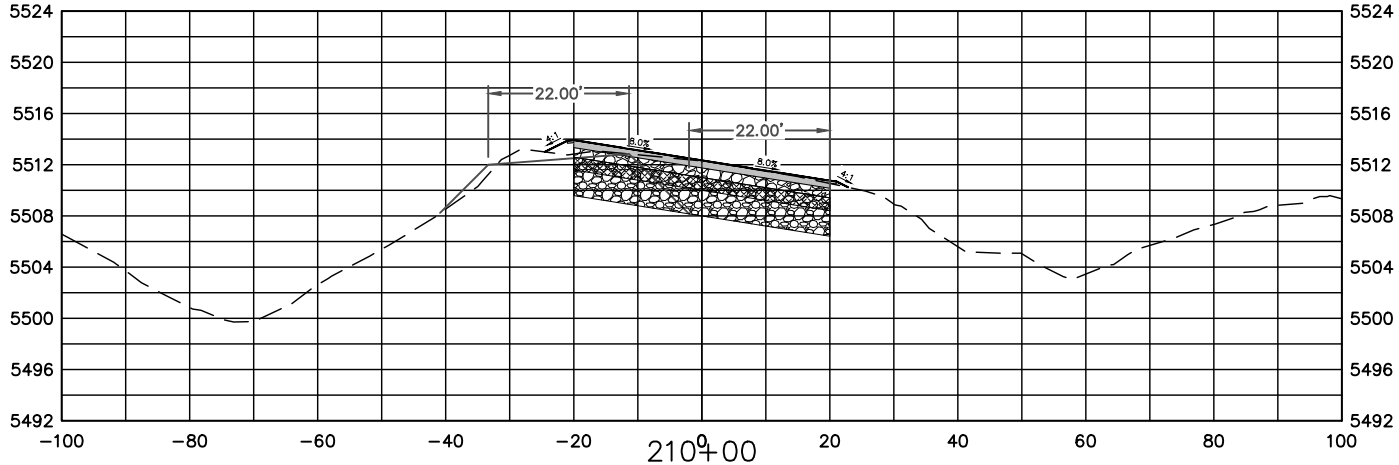

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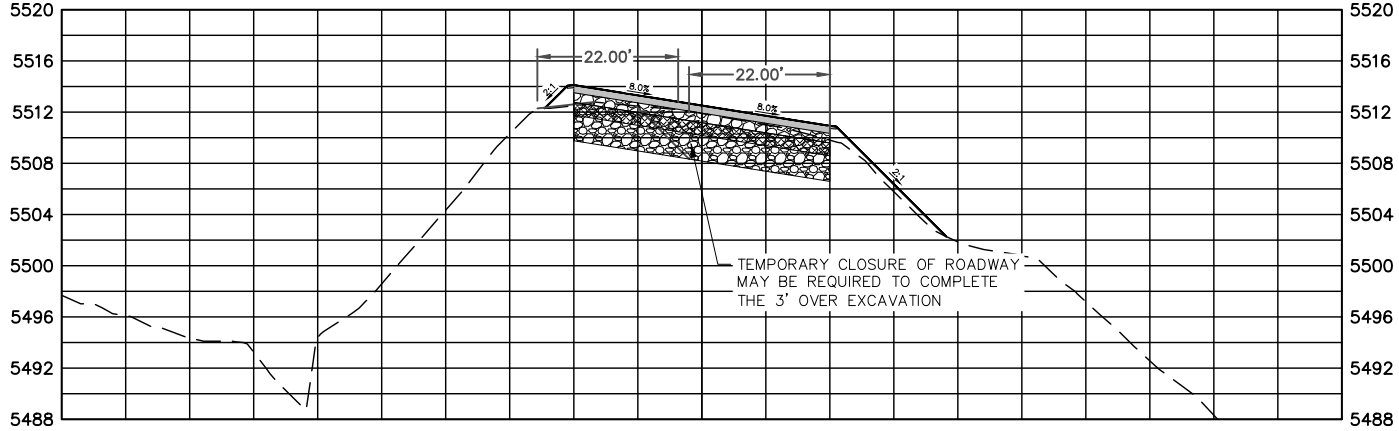

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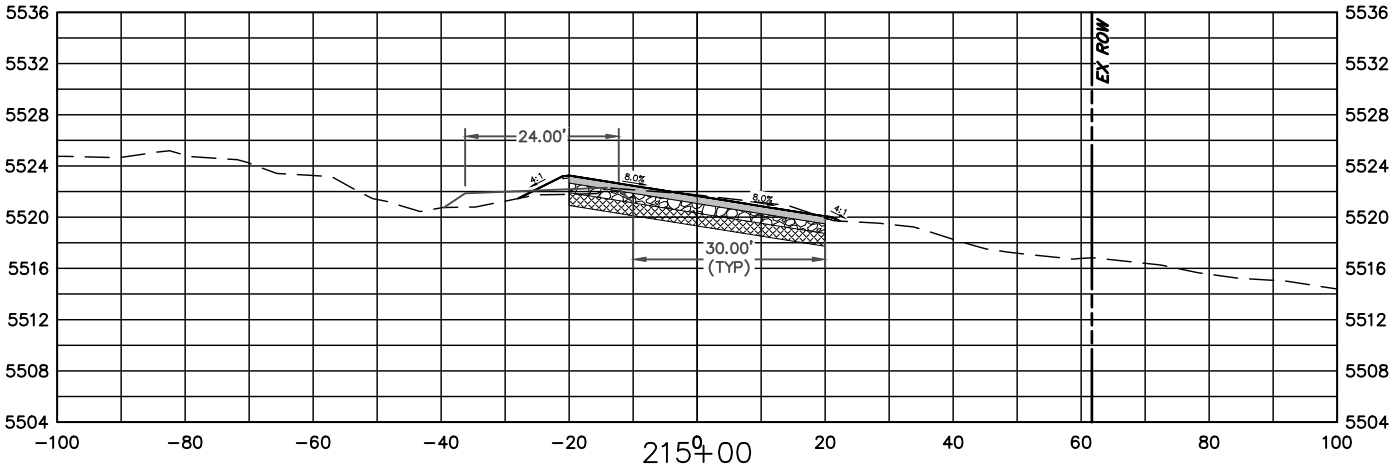

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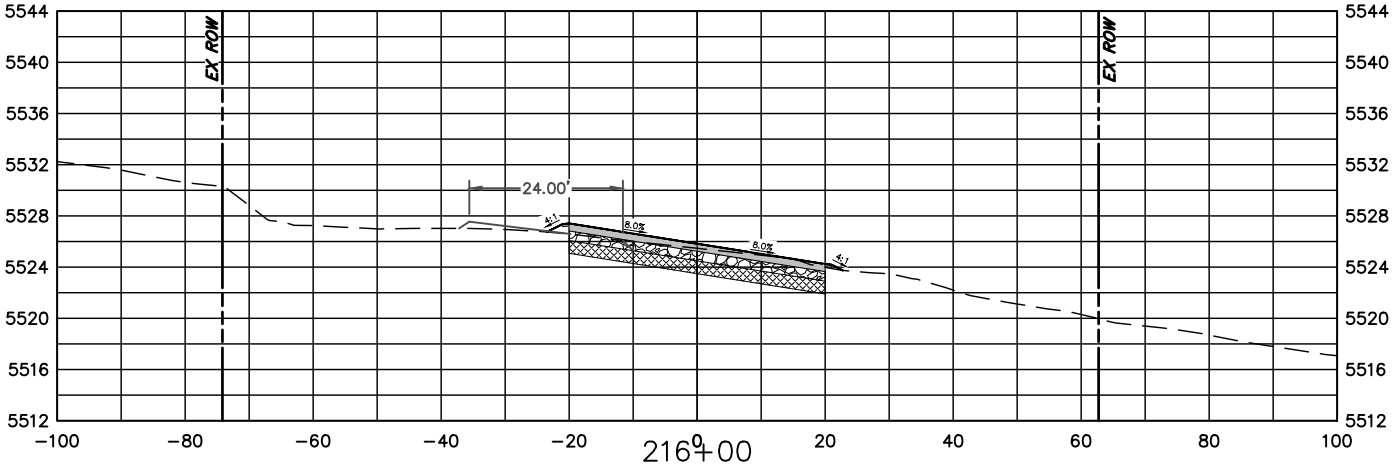

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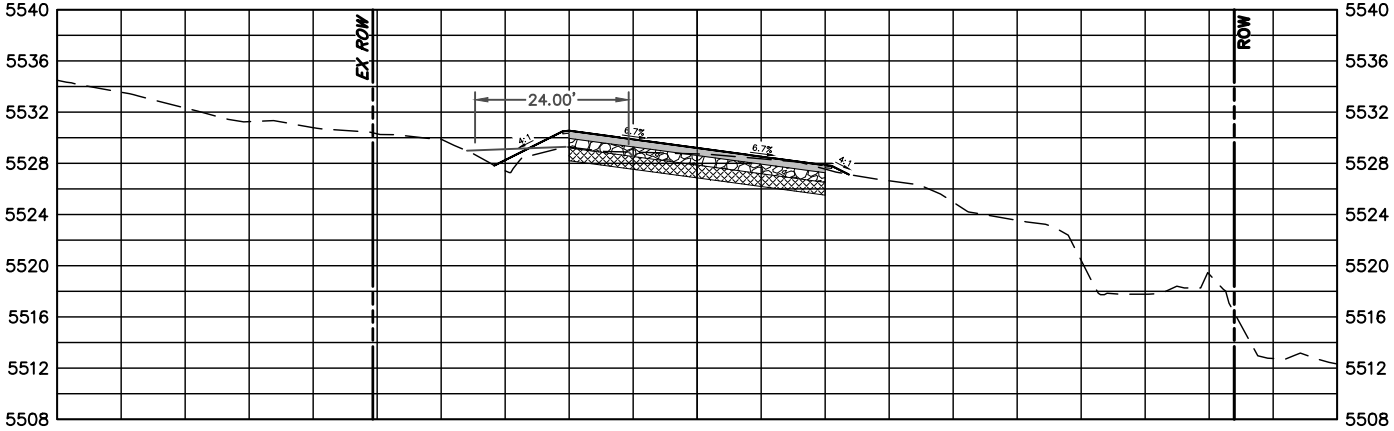

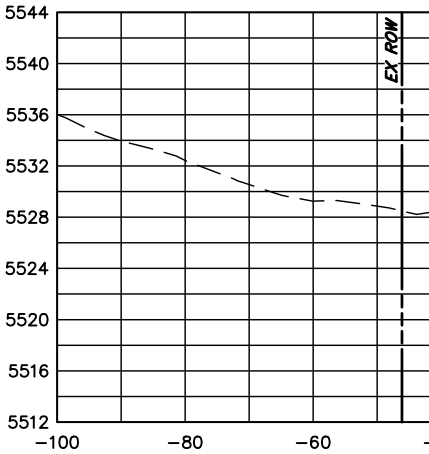

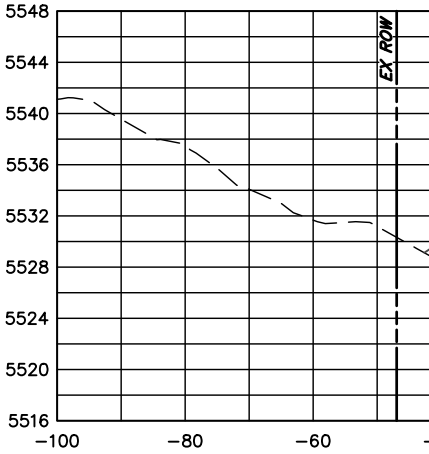

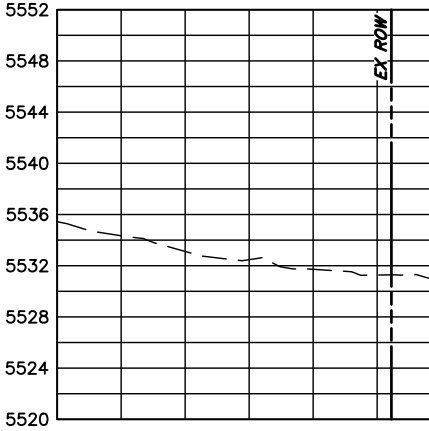

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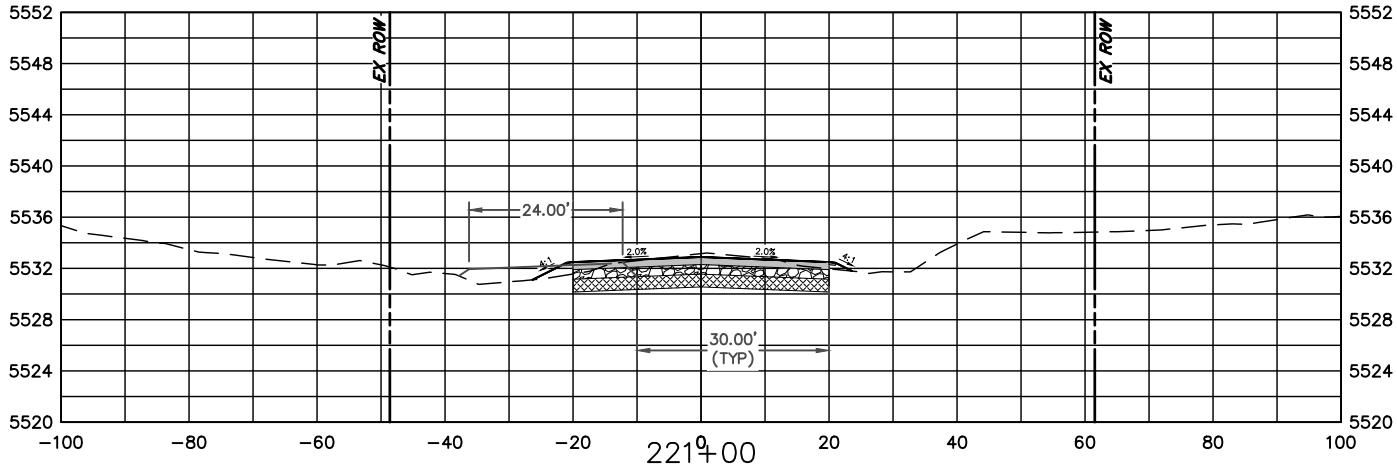

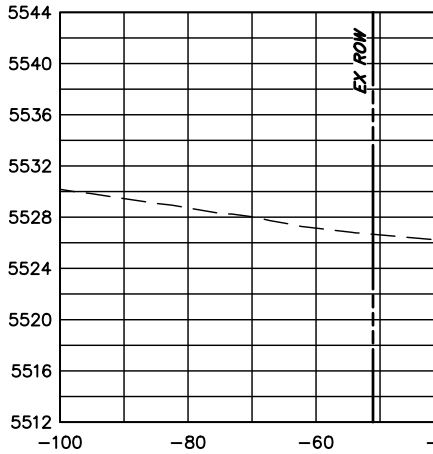

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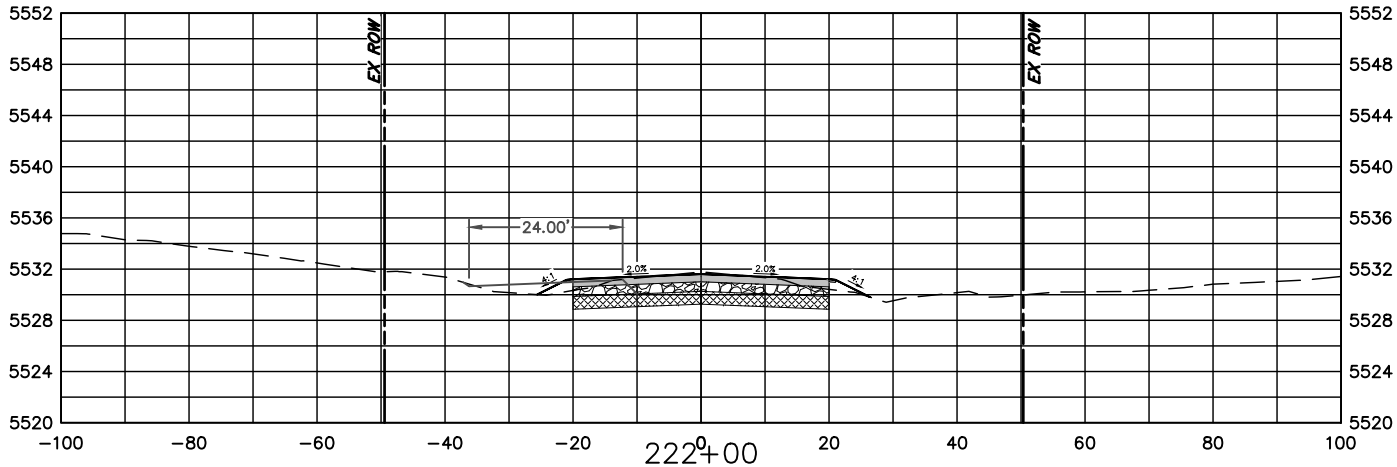

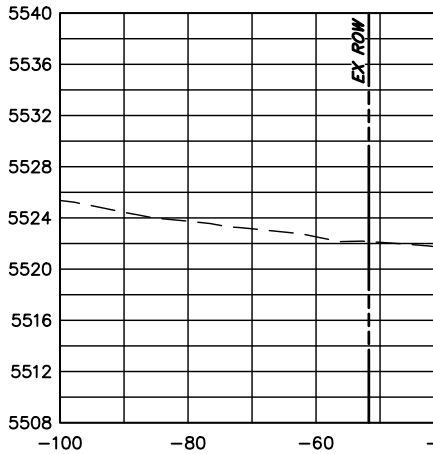

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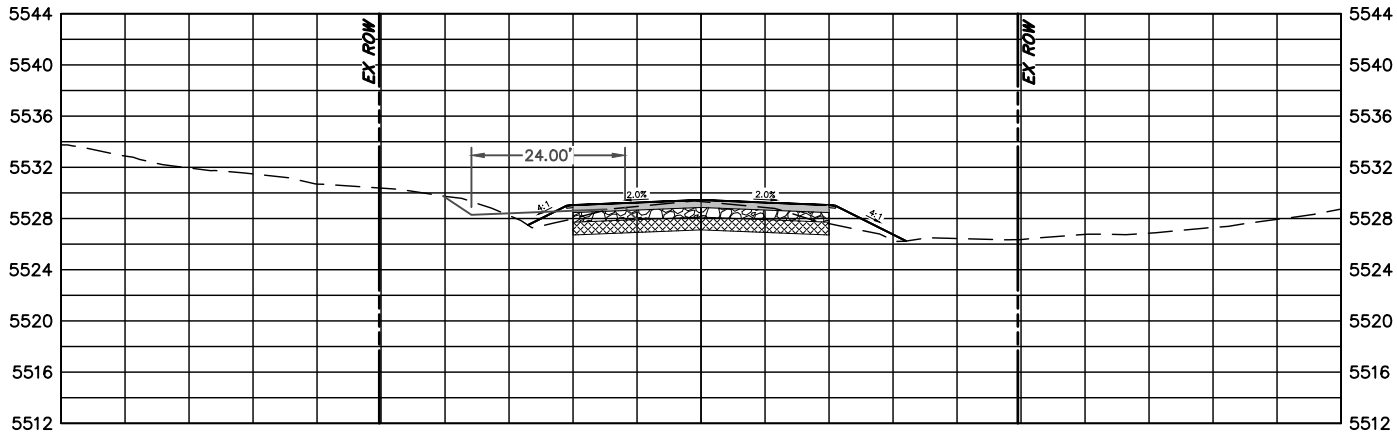

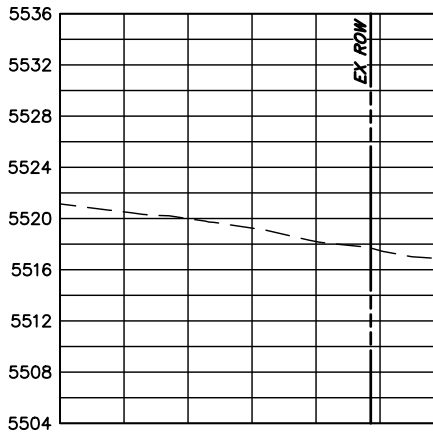

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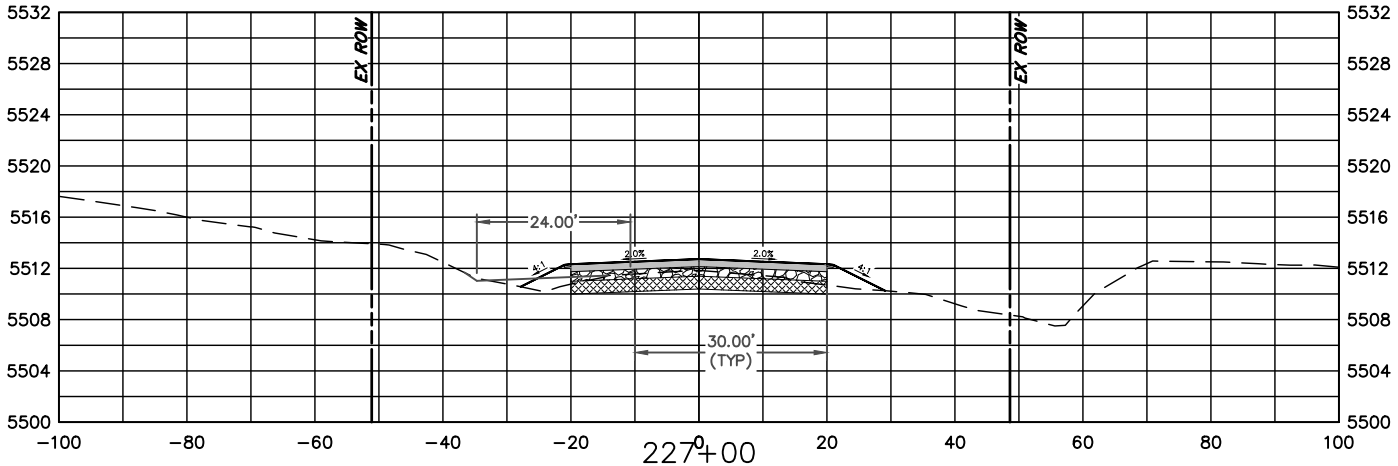

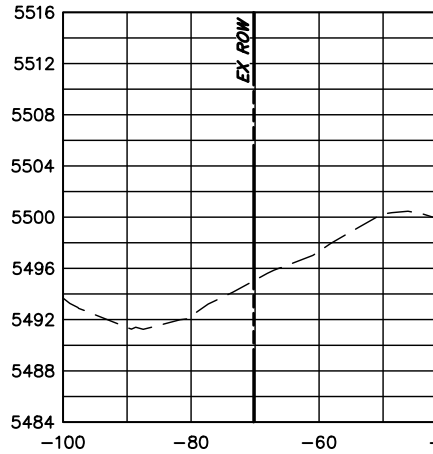

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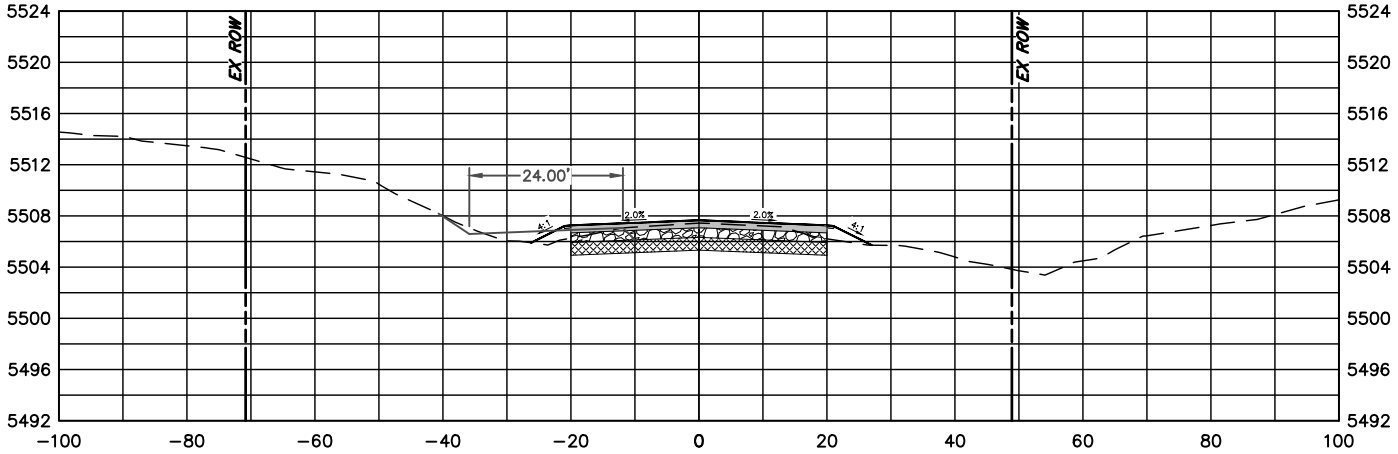

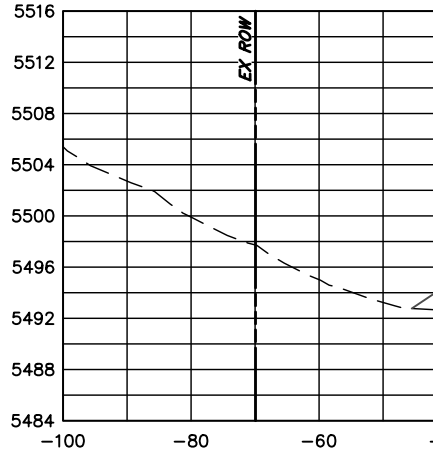

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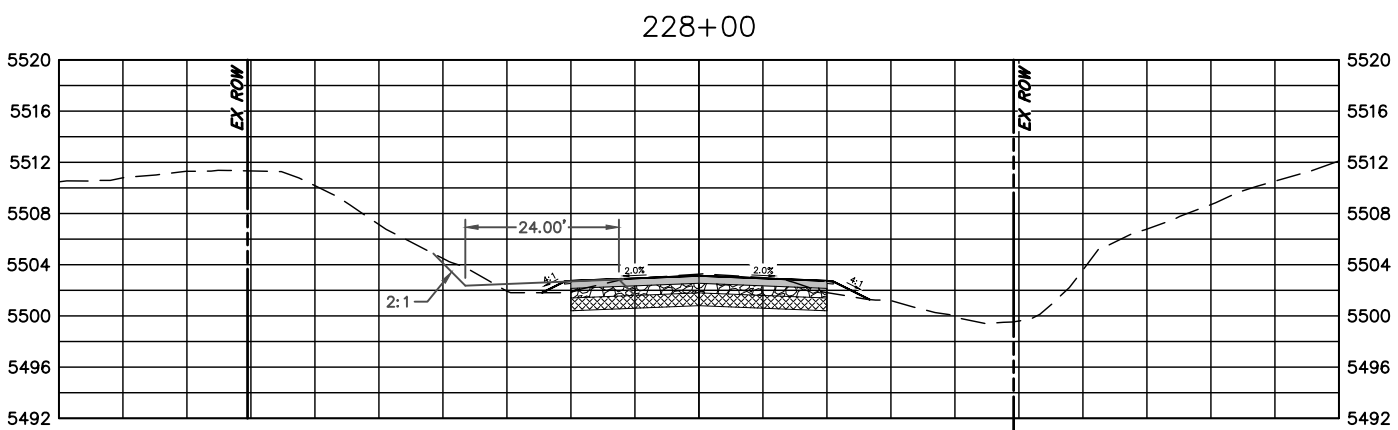

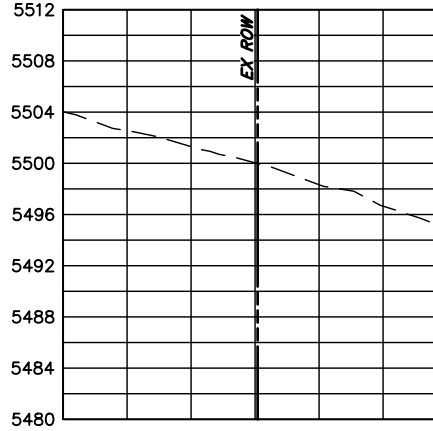

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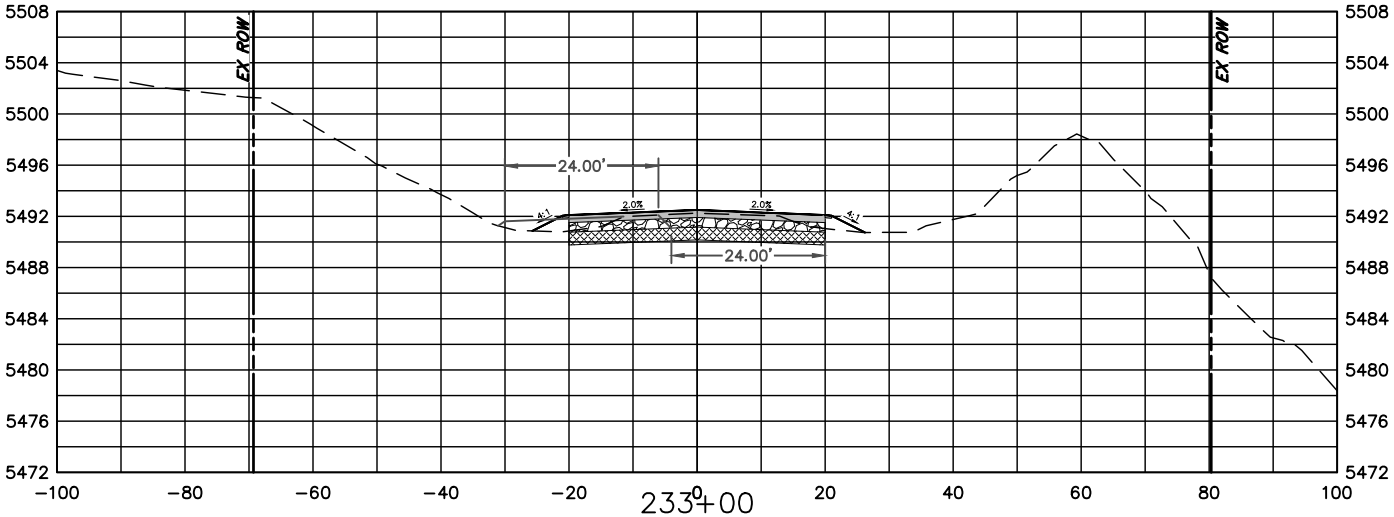

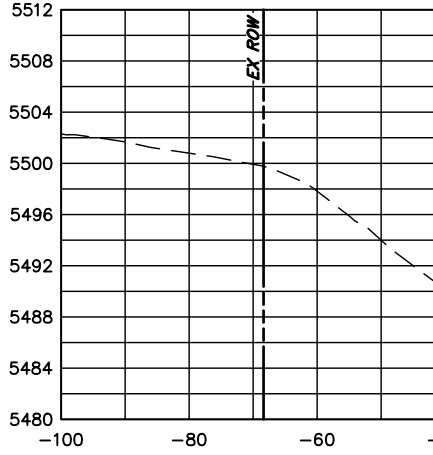

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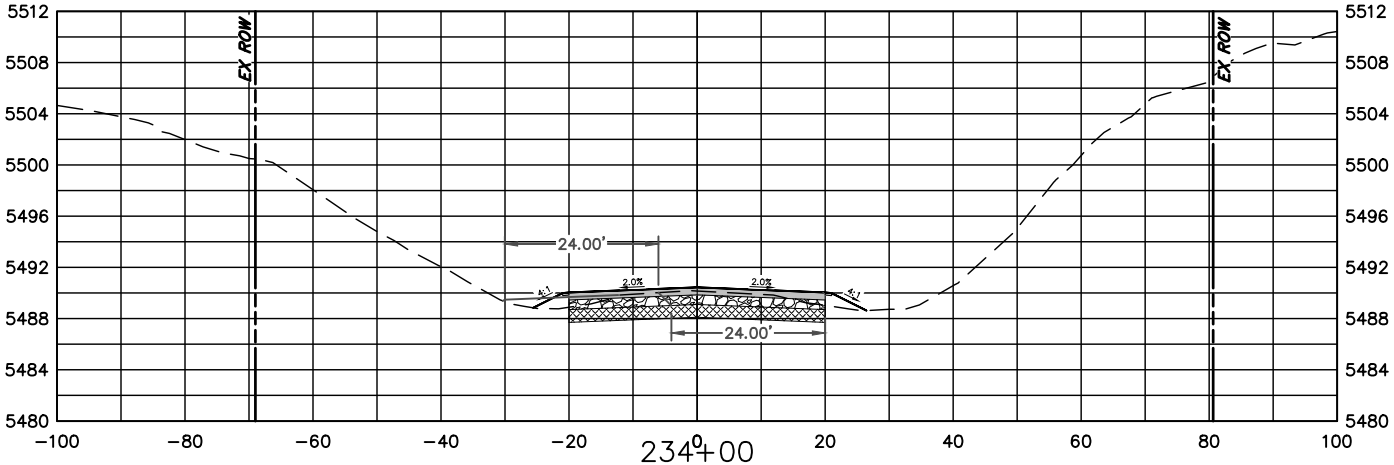

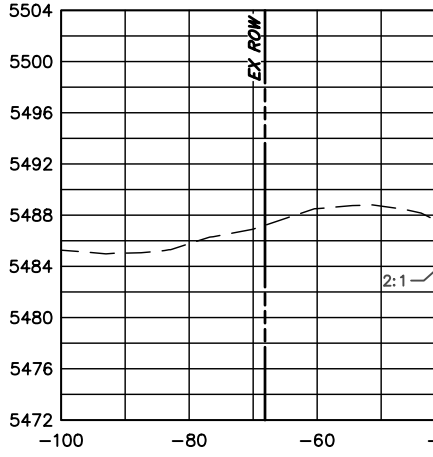

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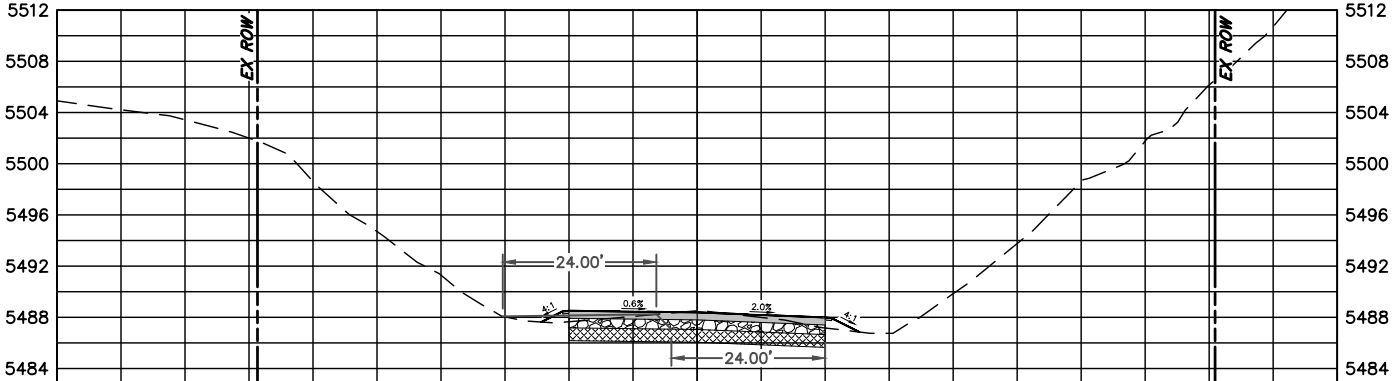

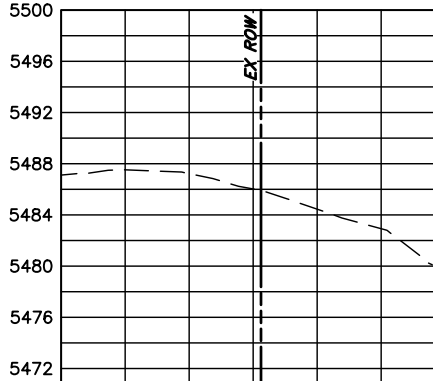

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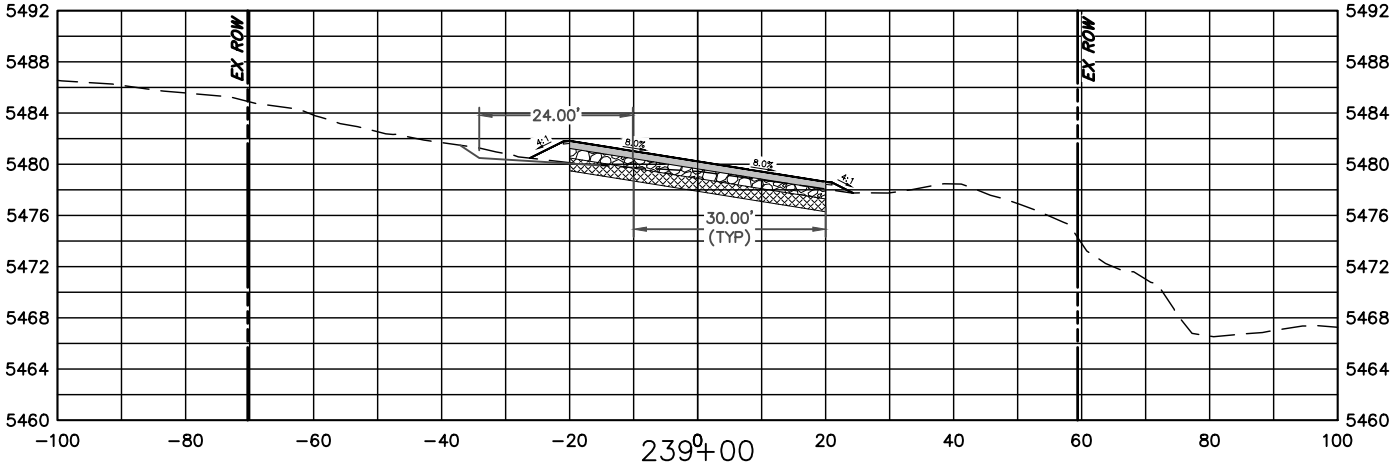

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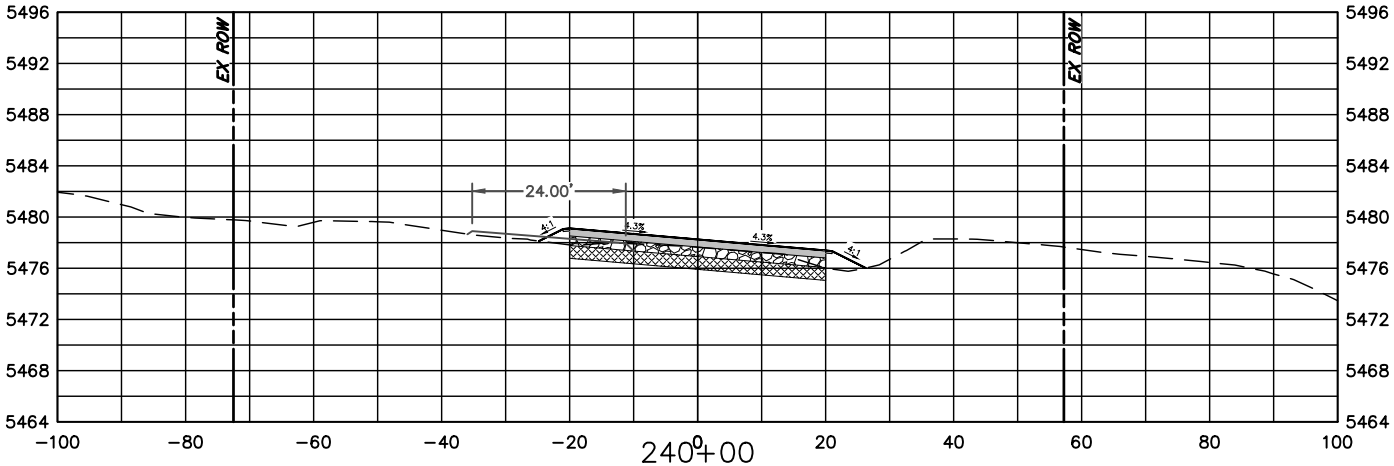

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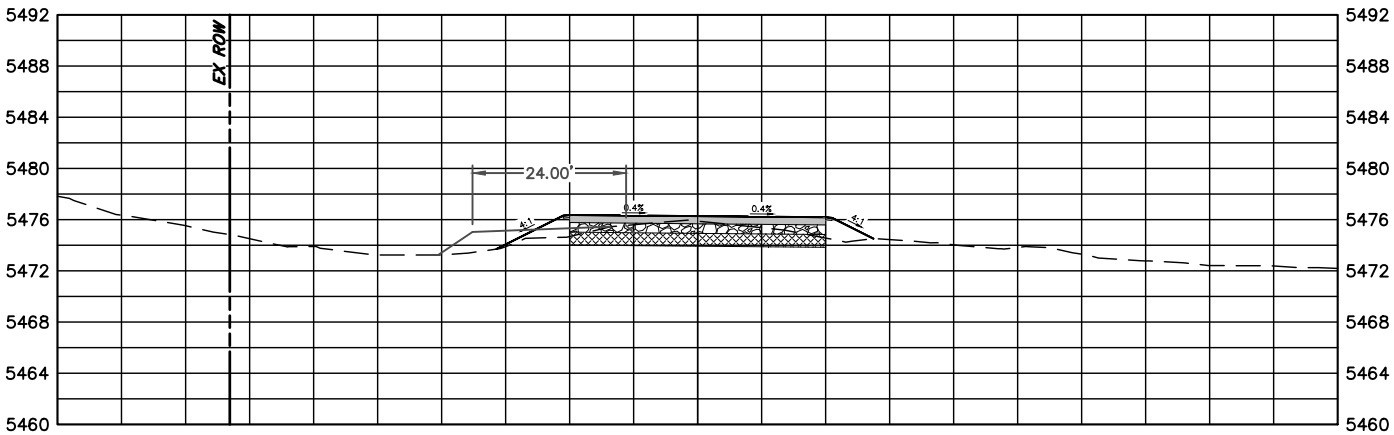

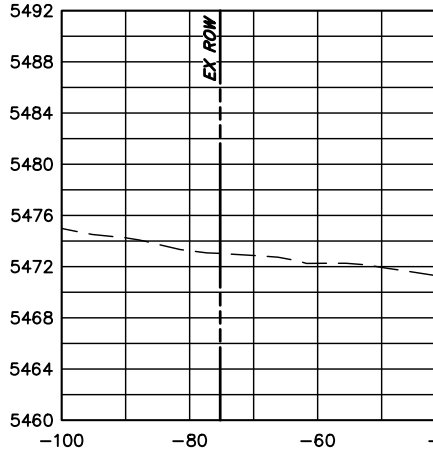

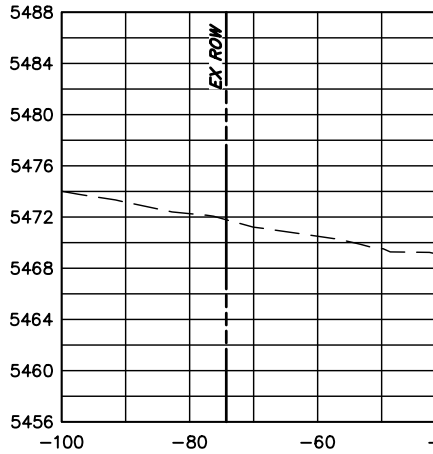

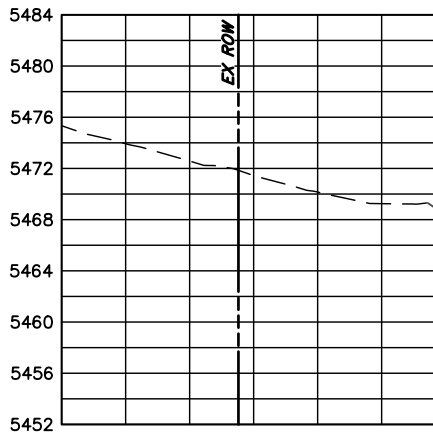

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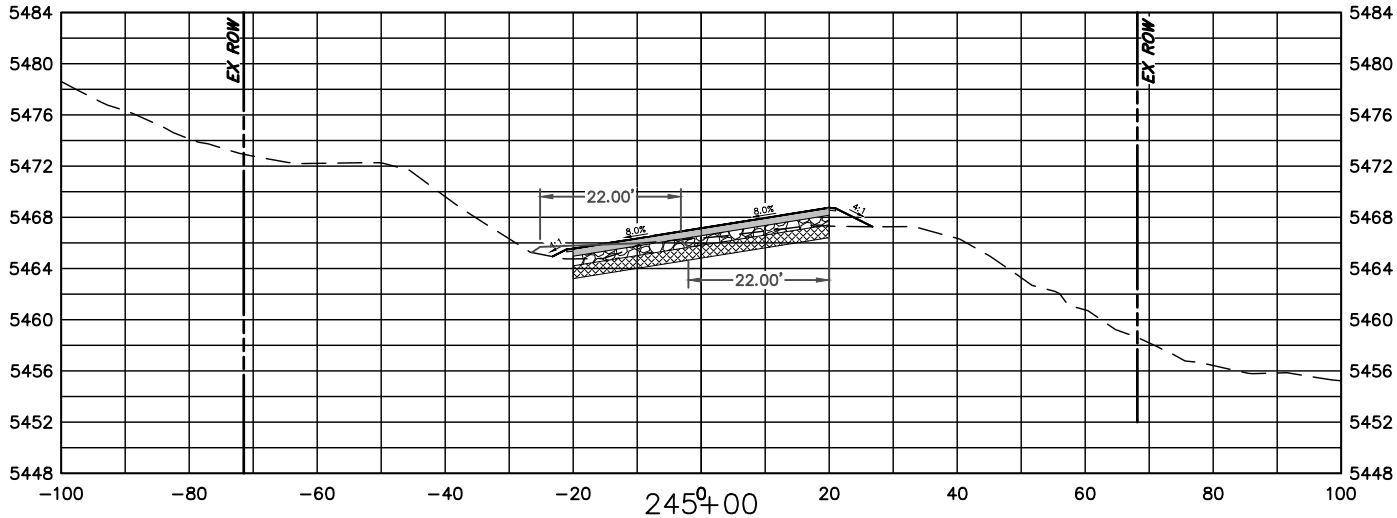

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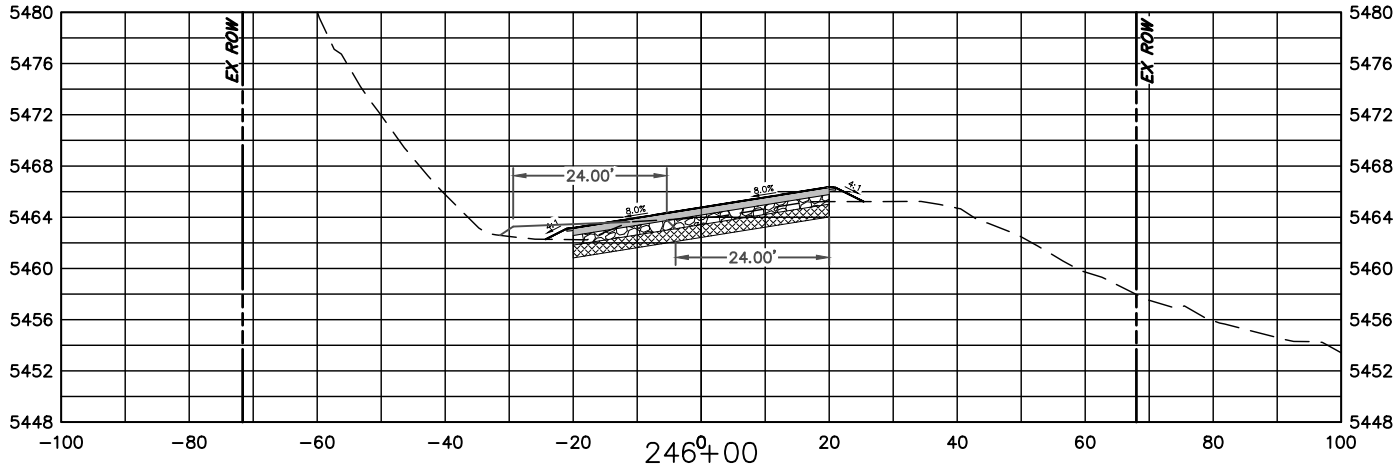

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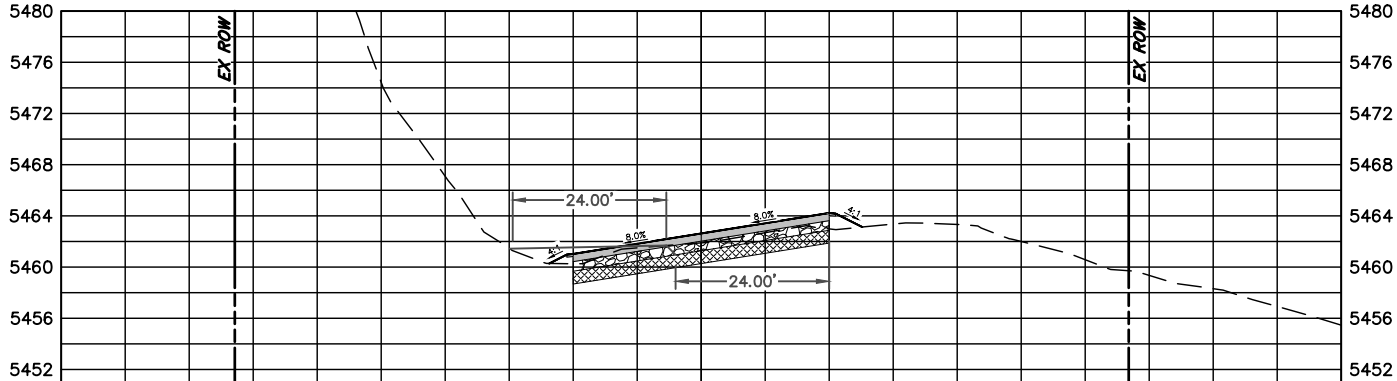

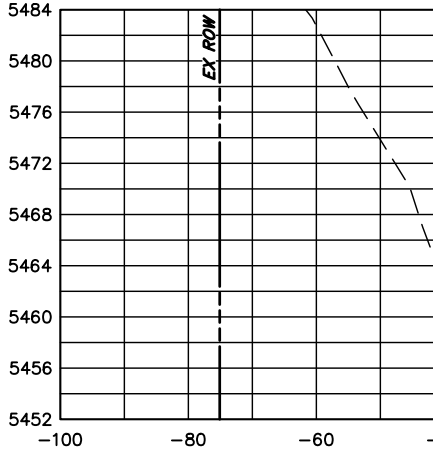

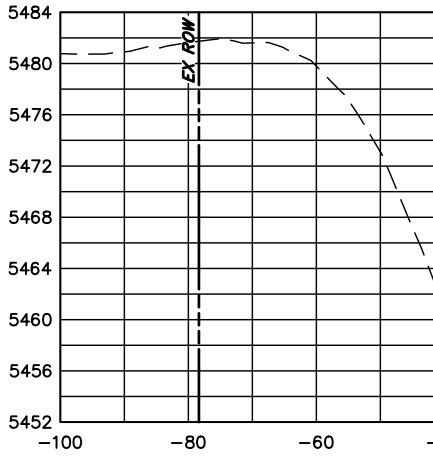

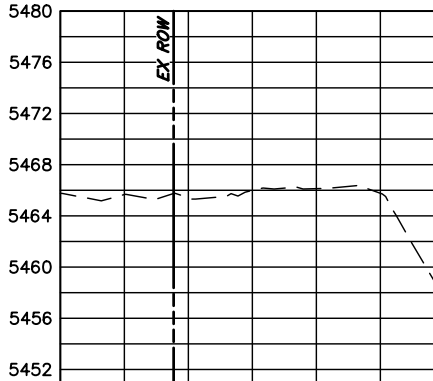

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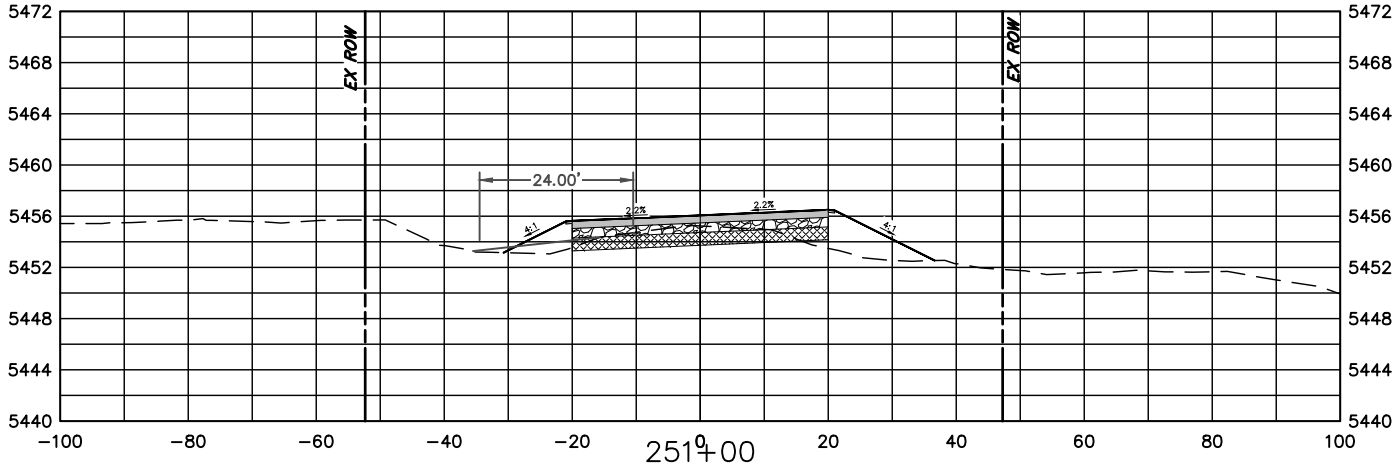

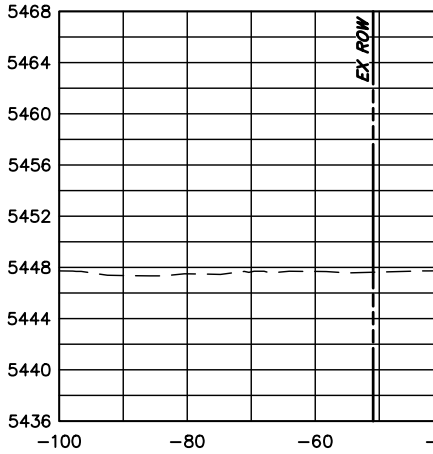

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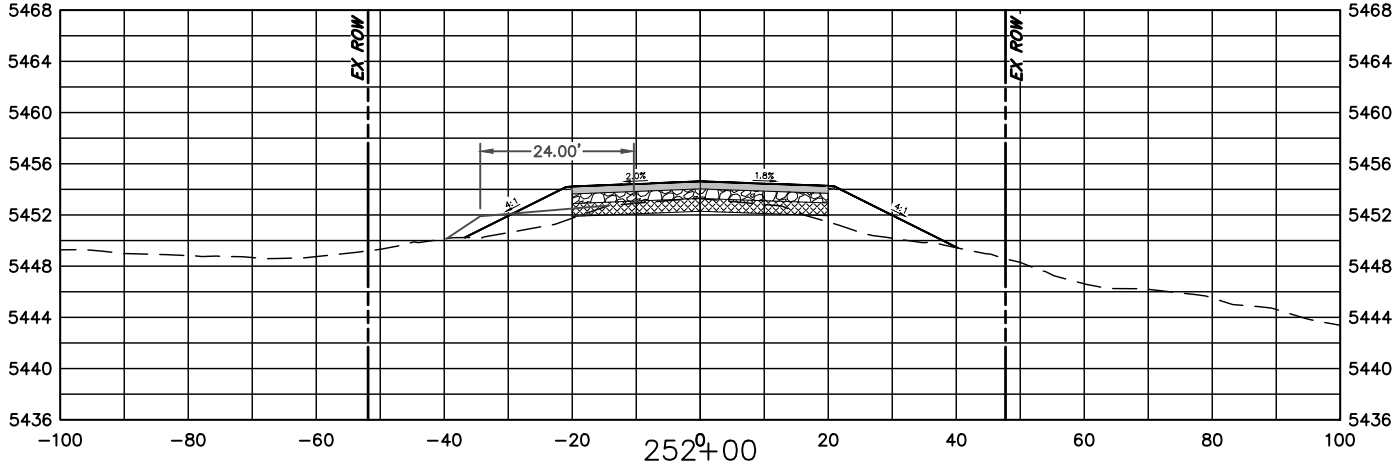

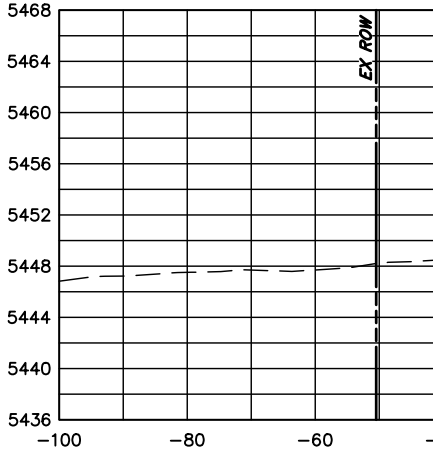

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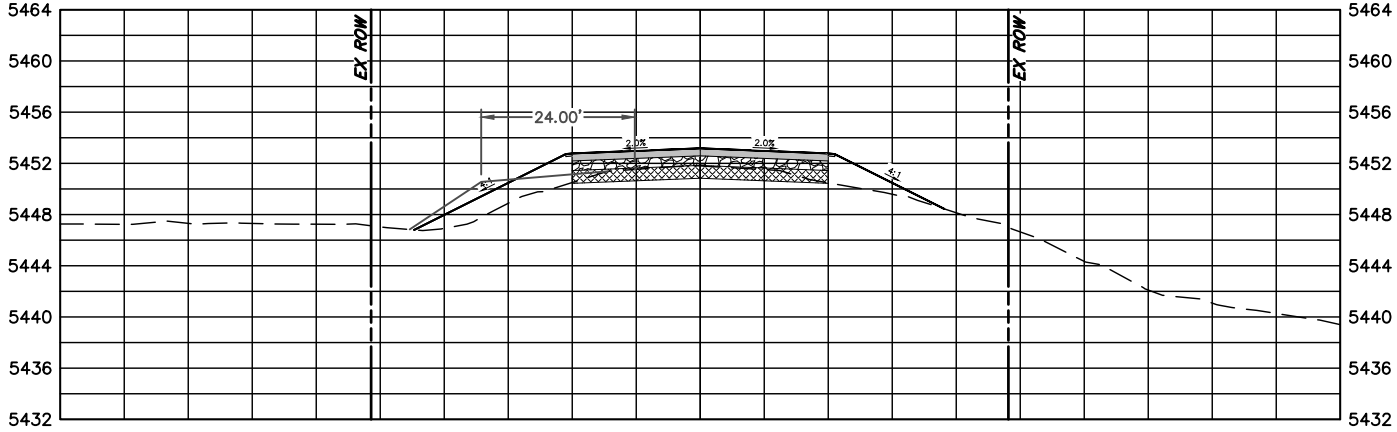

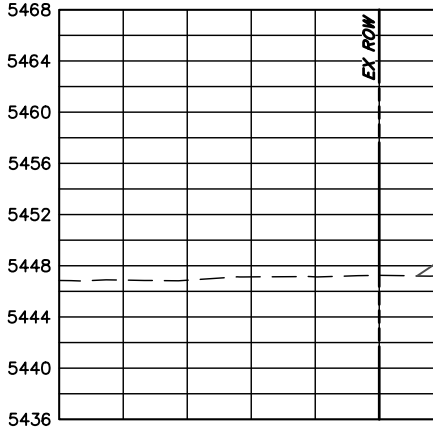

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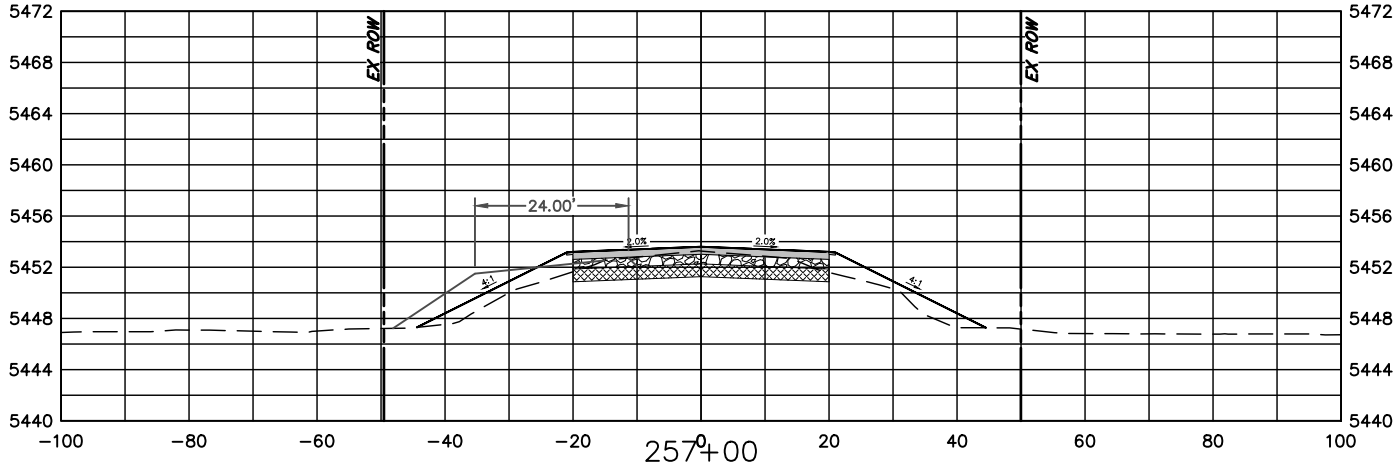
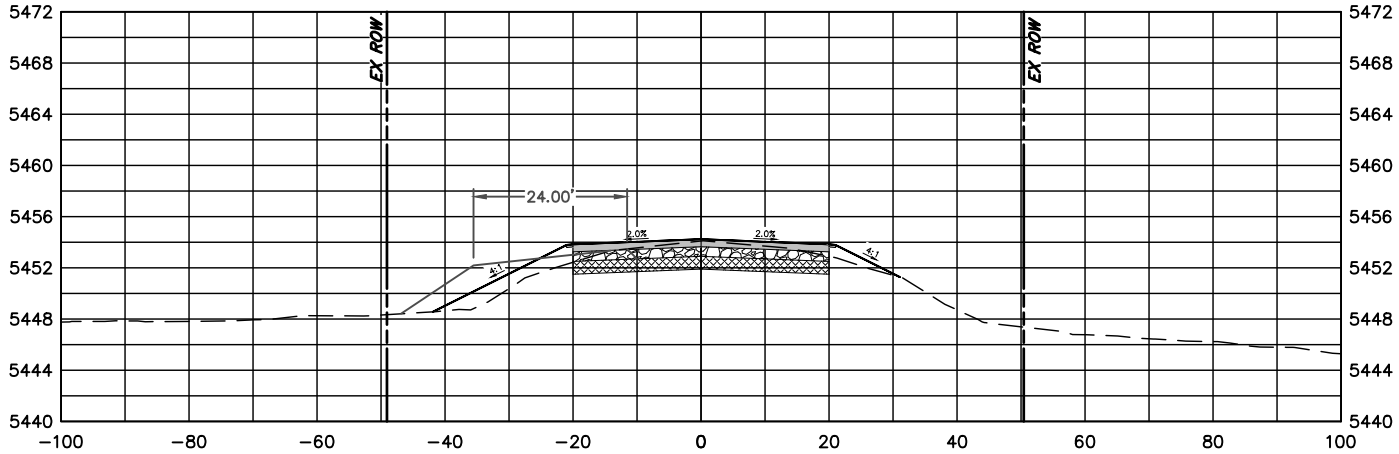

EX ROW
EX ROW
24.00'
2.0%
2.0%
4:1
4:1
5472
5468
5464
5460
5456
5452
5448
5444
5440
−100
−80
−60
−40
−20
0
20
40
60
80
100

257+00


EX ROW
EX ROW
24.00'
2.0%
2.0%
4:1
4:1
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5468
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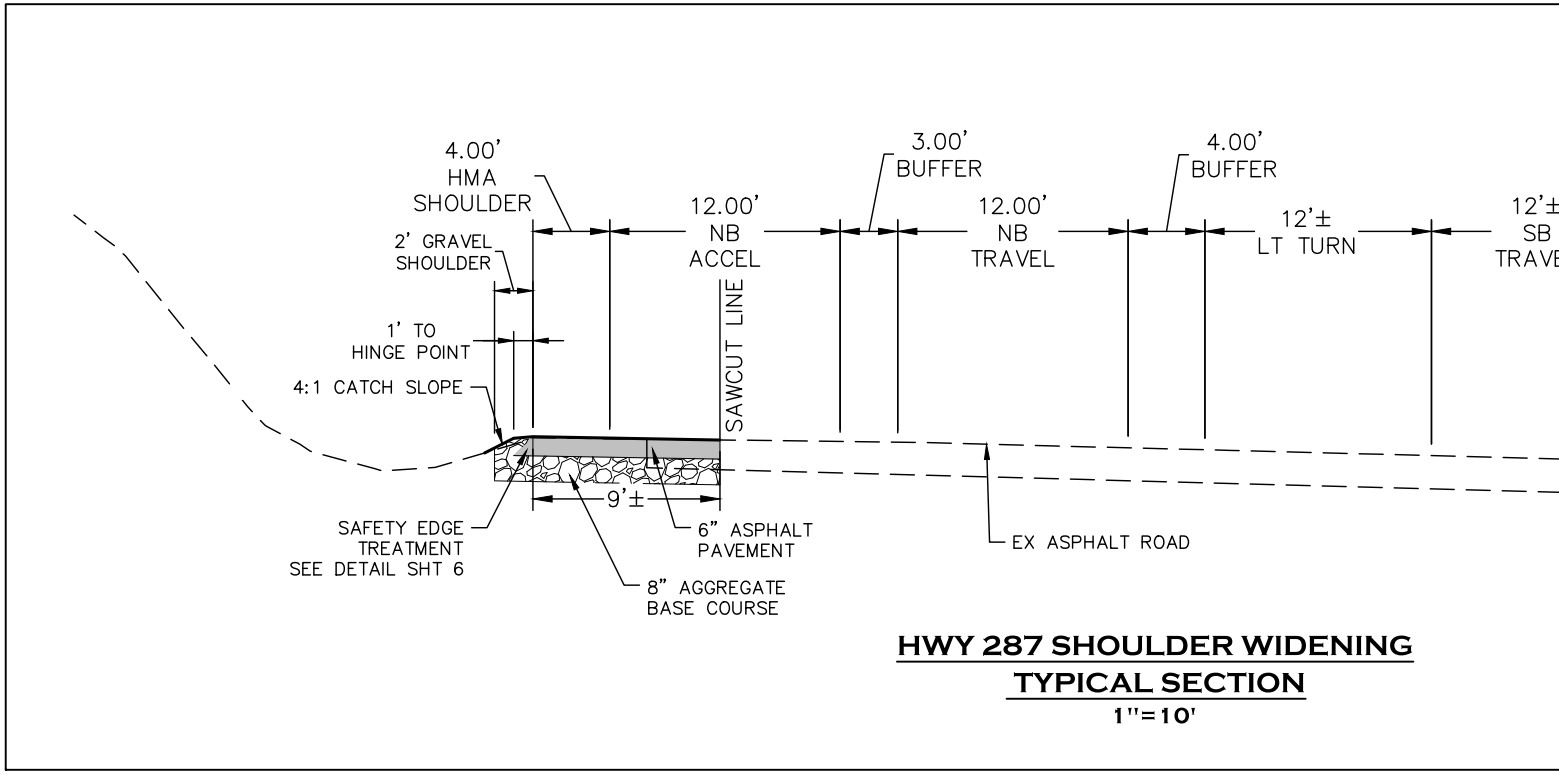


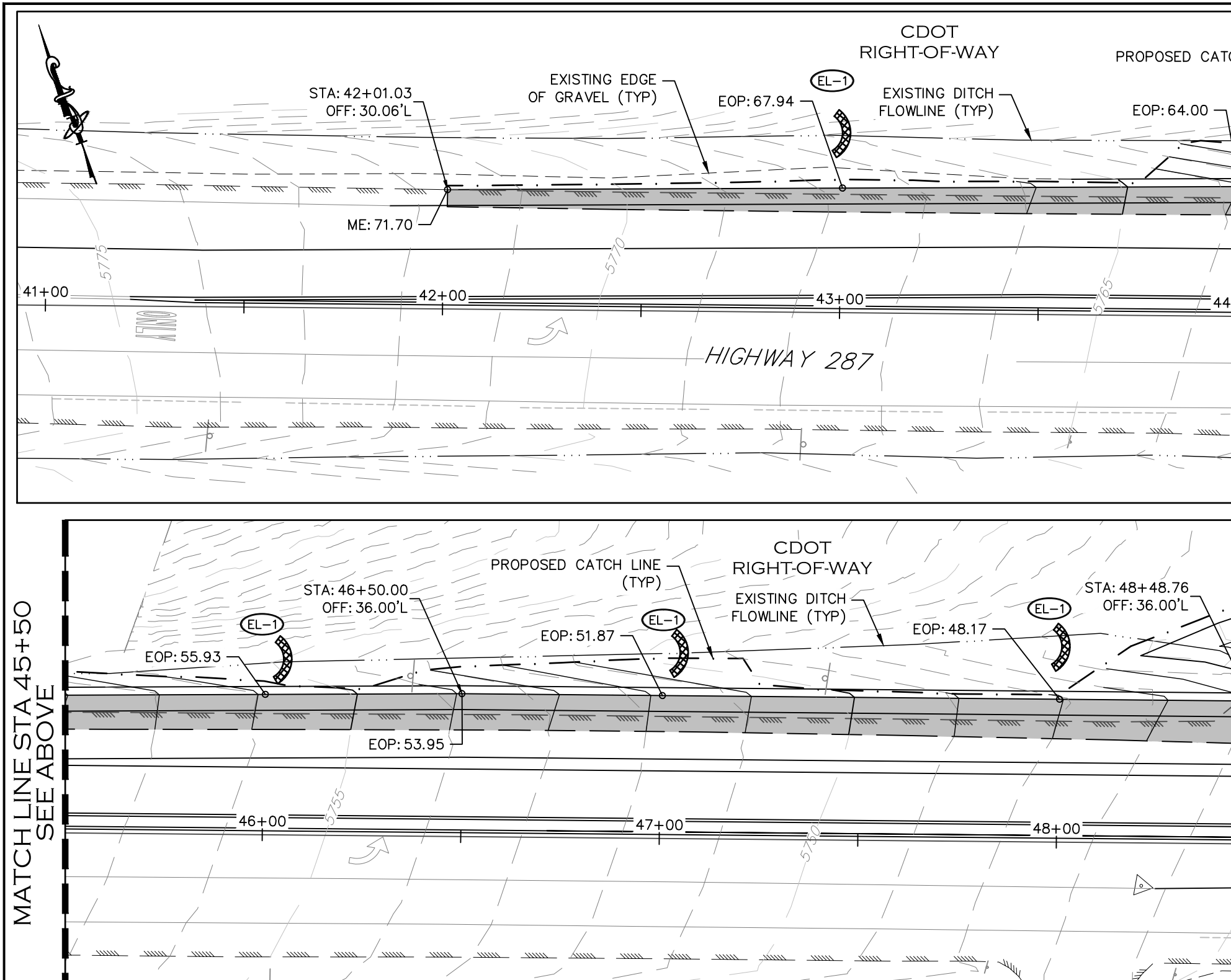
HWY 287 SHOULDER WIDENING
TYPICAL SECTION
1"=10'

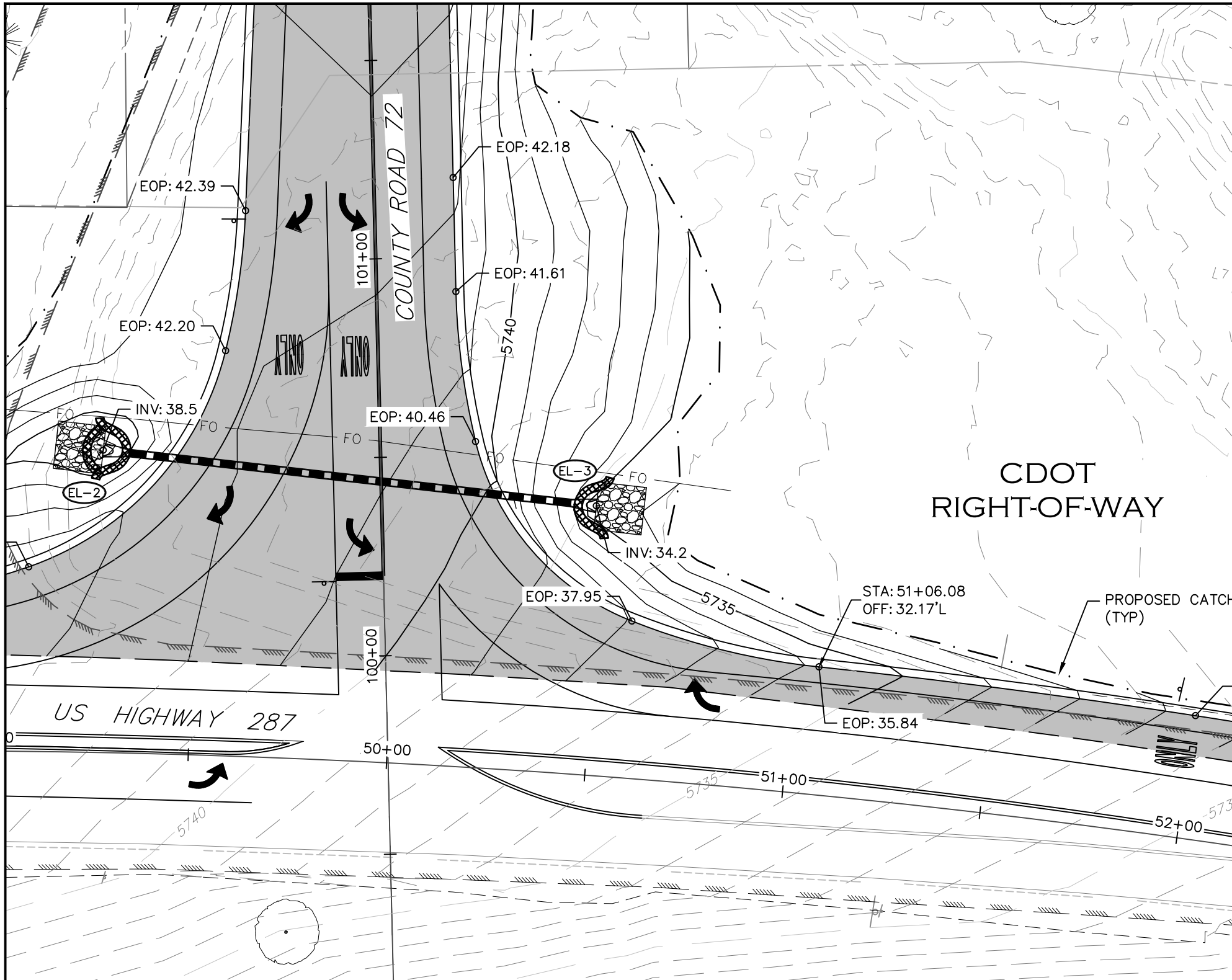
PAVEMENT SECTION:

FULL DEPTH ASPHALT SECTION
3" HOT MIX ASPHALT (GRADING SX)(ASPH)(75)(PG 64–22) RAP*
3" HOT MIX ASPHALT (GRADING S)(ASPH)(75)(PG 64–22) RAP*
8" AGGREGATE BASE COURSE (CLASS 5)

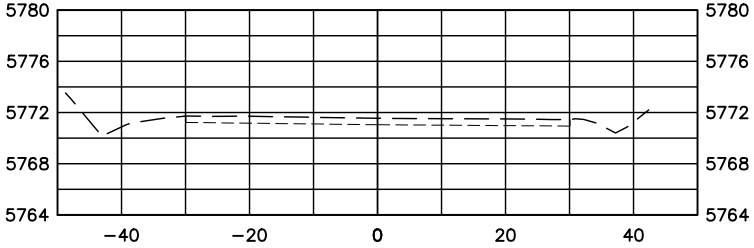
*UP TO 20% RAP IN ALL LIFTS

SHOULDER
AGGREGATE BASE COURSE (CLASS 5)

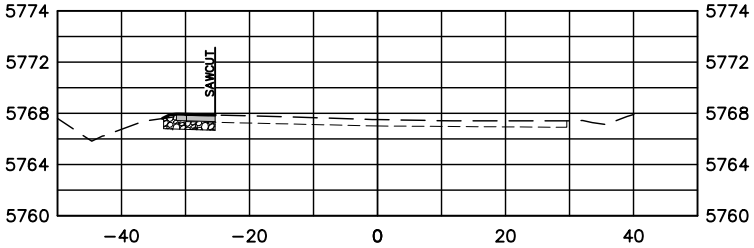

CDOT
RIGHT-OF-WAY
PROPOSED CAT
EXISTING EDGE
OF GRAVEL (TYP)
STA: 42+01.03
OFF: 30.06'L
EL-1
EOP: 67.94
EXISTING DITCH
FLOWLINE (TYP)
EOP: 64.00
ME: 71.70
5775
5770
5765
41+00
42+00
43+00
44
ONLY
HIGHWAY 287
MATCH LINE STA 45+50
SEE ABOVE
CDOT
RIGHT-OF-WAY
PROPOSED CATCH LINE
(TYP)
STA: 46+50.00
OFF: 36.00'L
EL-1
EOP: 55.93
EL-1
EOP: 51.87
EXISTING DITCH
FLOWLINE (TYP)
EOP: 48.17
EL-1
STA: 48+48.76
OFF: 36.00'L
EOP: 53.95
5755
5750
46+00
47+00
48+00


COUNTY ROAD 72
EOP: 42.39
EOP: 42.18
EOP: 41.61
EOP: 42.20
EOP: 40.46
EOP: 37.95
EOP: 35.84
INV: 38.5
INV: 34.2
EL-2
EL-3
FO
101+00
100+00
50+00
51+00
52+00
5740
5735
STA: 51+06.08
OFF: 32.17'L
PROPOSED CATCH
(TYP)
CDOT
RIGHT-OF-WAY
US HIGHWAY 287
ONLY

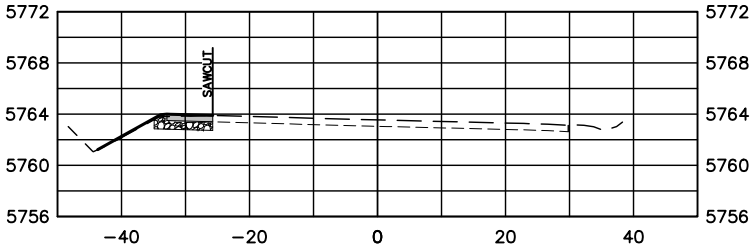
42+00



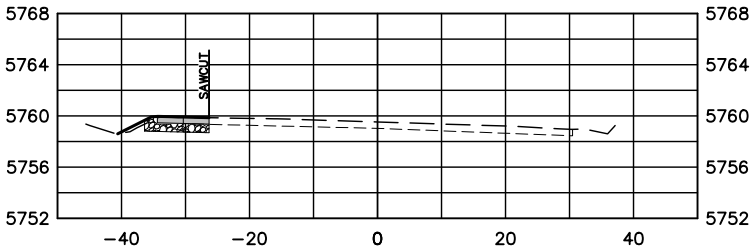
43+00



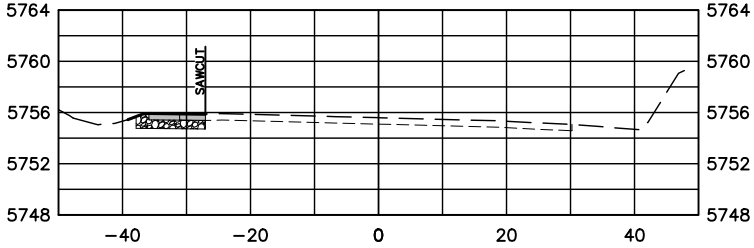
44+00



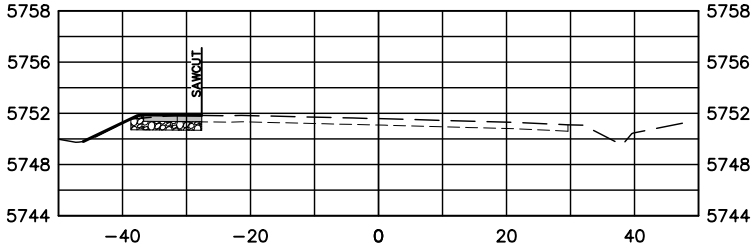
45+00



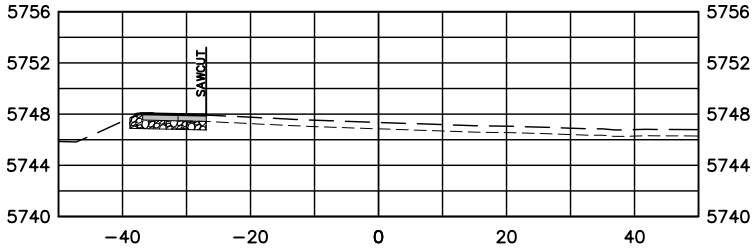
46+00



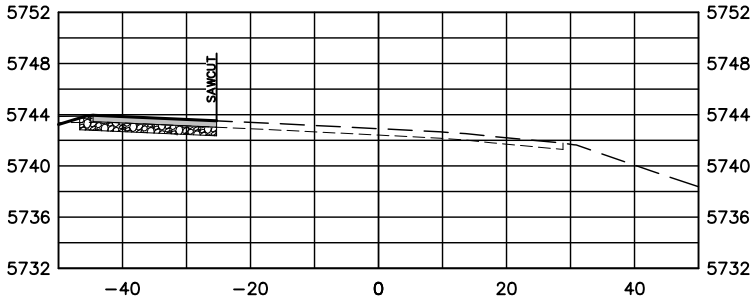
47+00

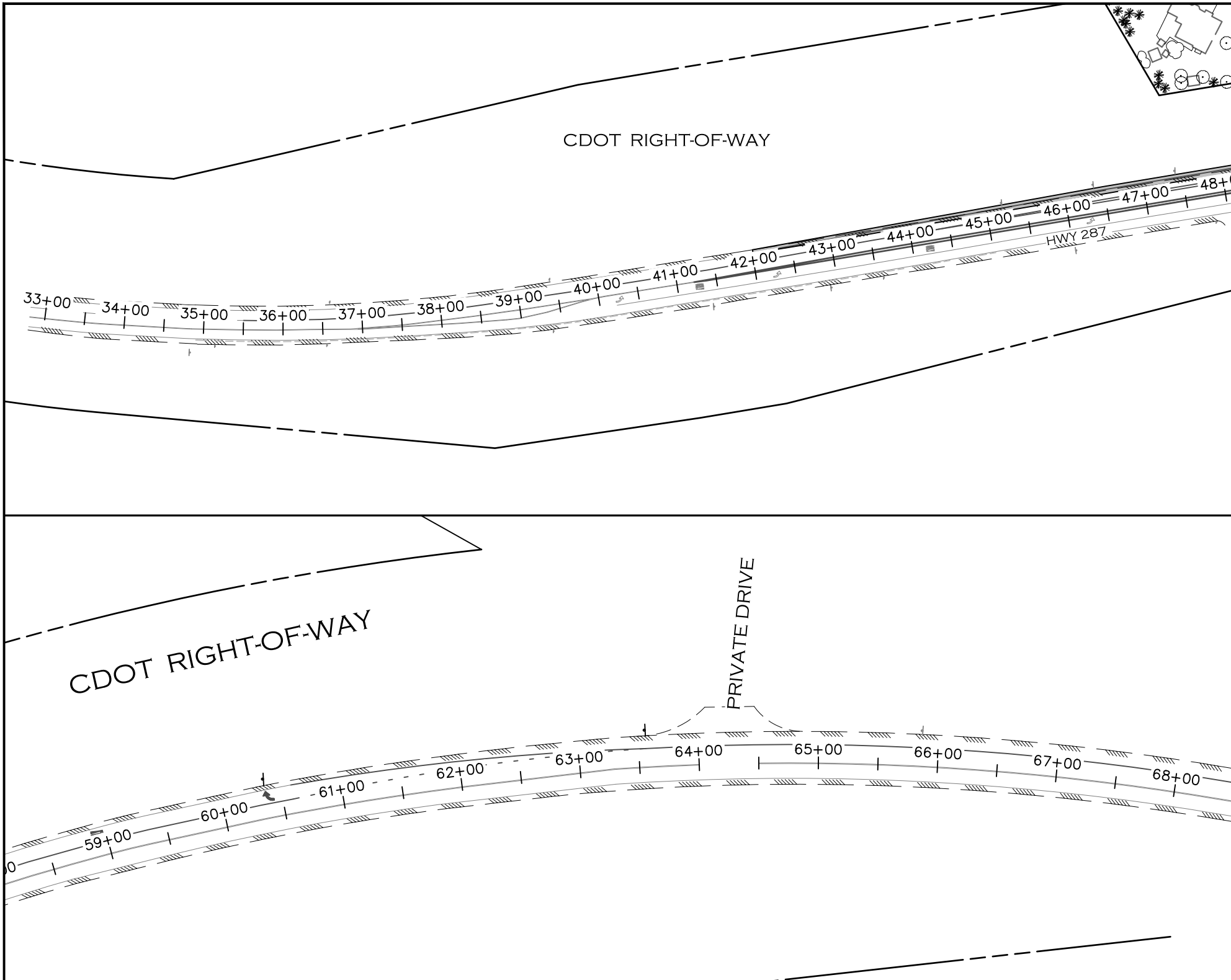


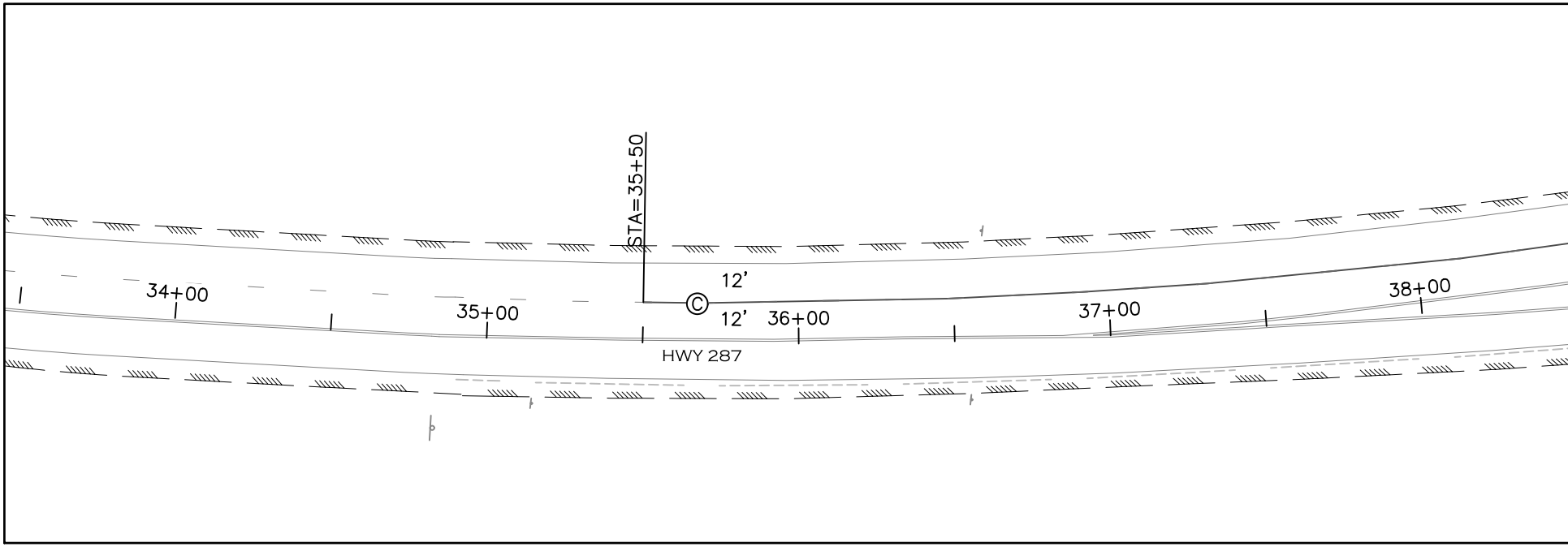
48+00

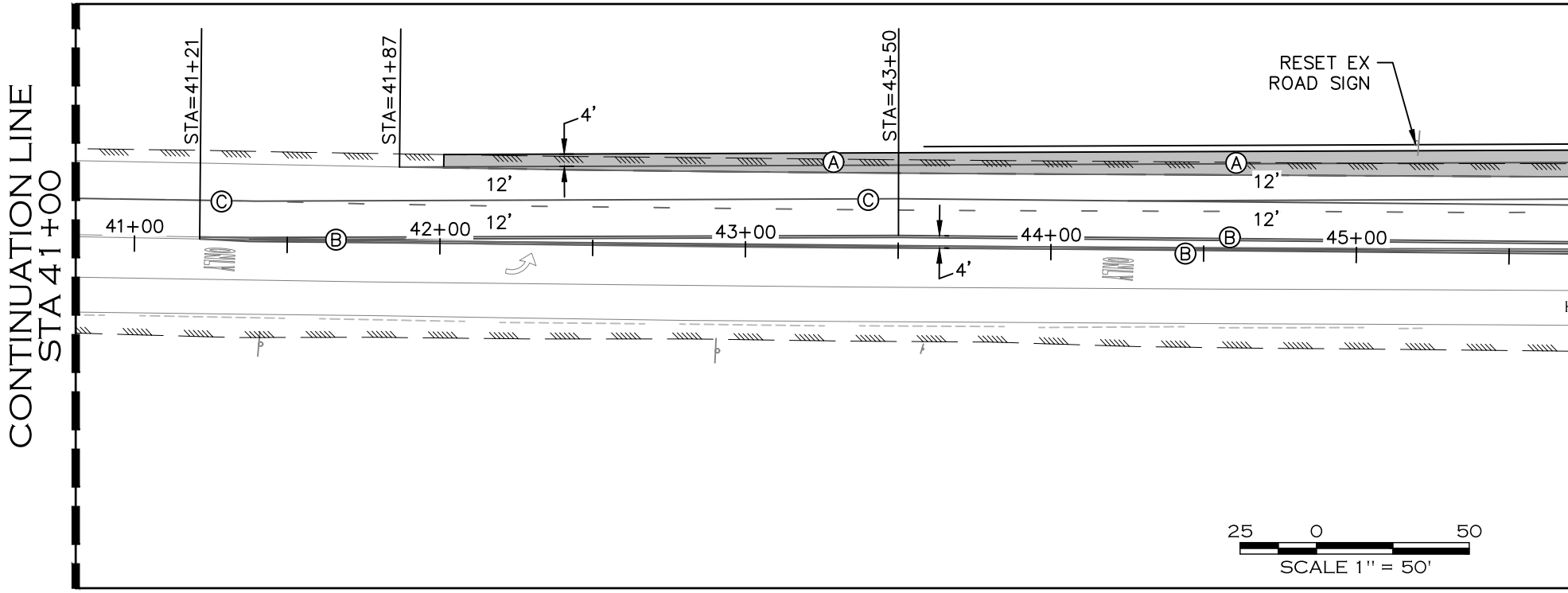


49+00



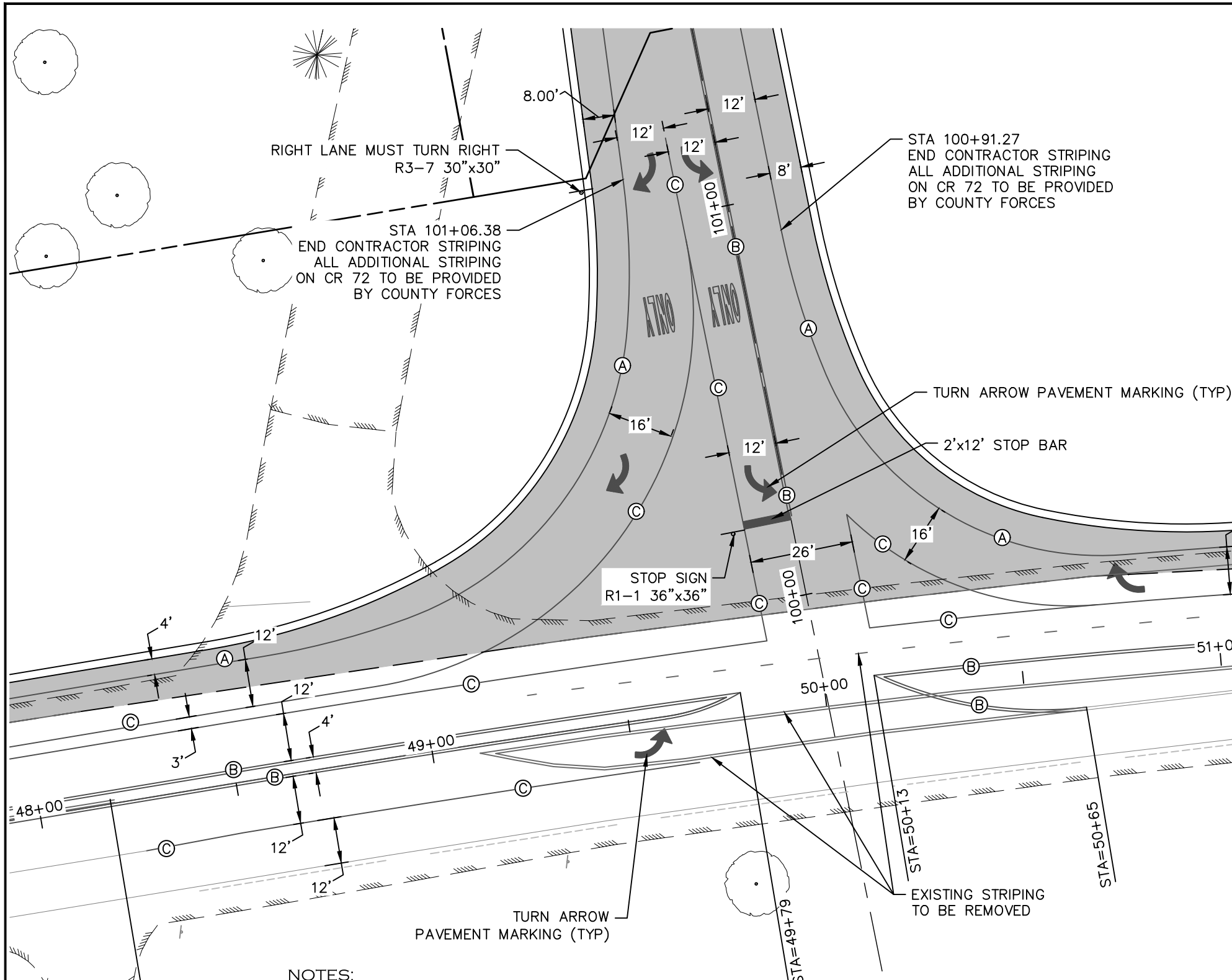

CDOT RIGHT-OF-WAY
HWY 287
33+00
34+00
35+00
36+00
37+00
38+00
39+00
40+00
41+00
42+00
43+00
44+00
45+00
46+00
47+00
CDOT RIGHT-OF-WAY
PRIVATE DRIVE
59+00
60+00
61+00
62+00
63+00
64+00
65+00
66+00
67+00
68+00

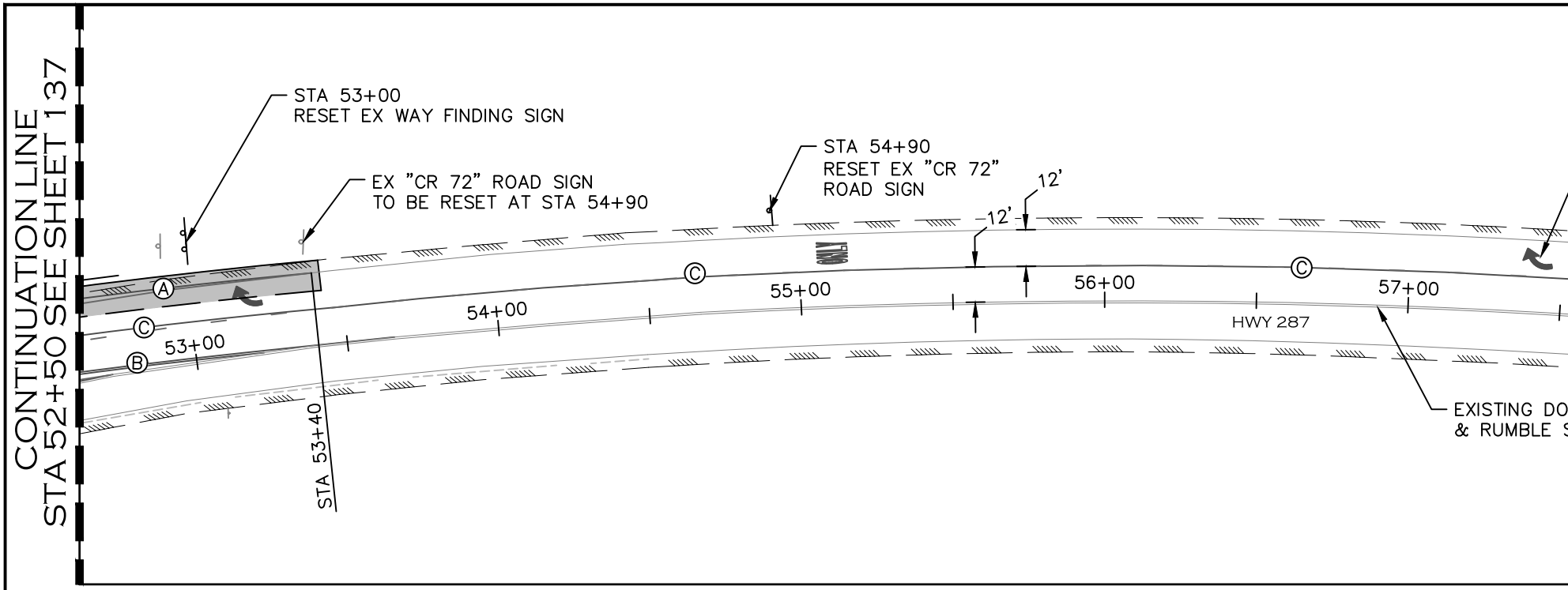


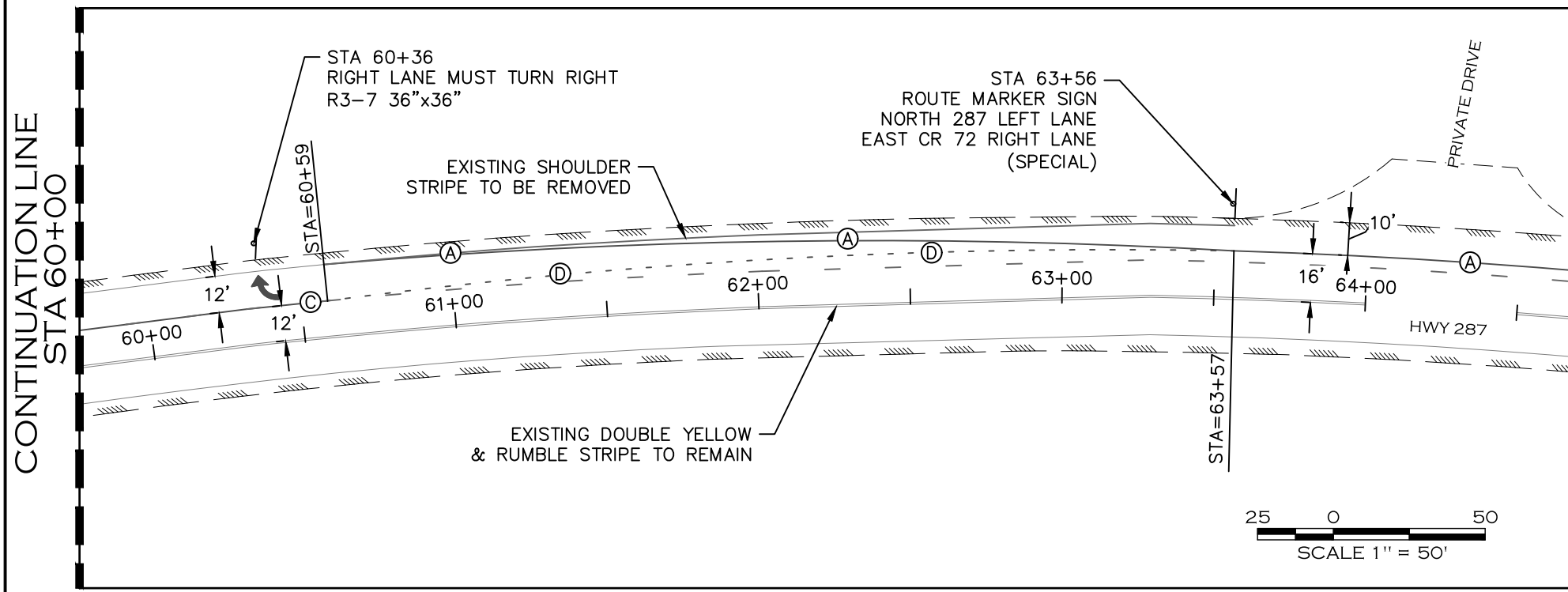


STRIPING LEGEND

NOTES:

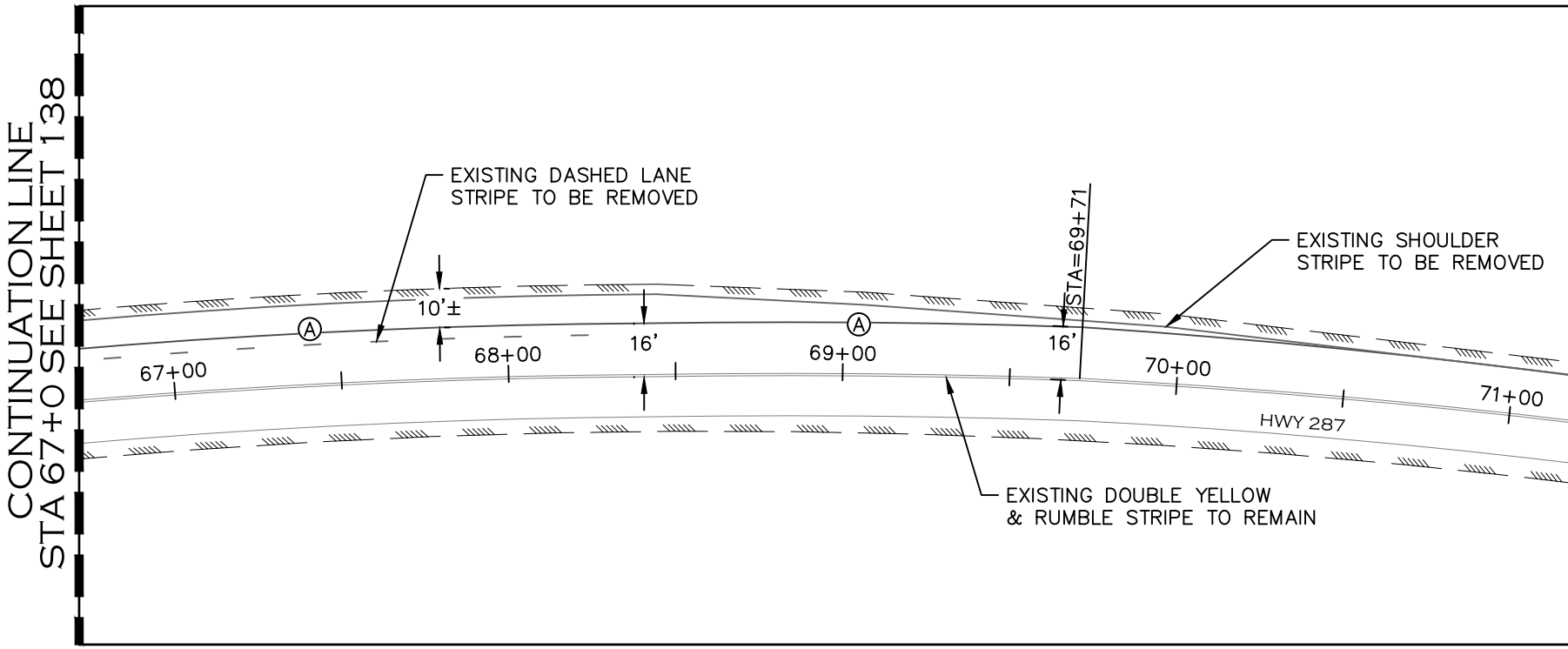

RIGHT LANE MUST TURN RIGHT
R3-7 30"x30"
STA 101+06.38
END CONTRACTOR STRIPING
ALL ADDITIONAL STRIPING
ON CR 72 TO BE PROVIDED
BY COUNTY FORCES
8.00'
12'
12'
12'
12'
8'
STA 100+91.27
END CONTRACTOR STRIPING
ALL ADDITIONAL STRIPING
ON CR 72 TO BE PROVIDED
BY COUNTY FORCES
101+00
ONLY
ONLY
TURN ARROW PAVEMENT MARKING (TYP)
2'x12' STOP BAR
16'
12'
STOP SIGN
R1-1 36"x36"
26'
16'
100+00
4'
12'
12'
4'
3'
49+00
48+00
50+00
51+0
12'
12'
STA=50+13
STA=50+65
EXISTING STRIPING
TO BE REMOVED
TURN ARROW
PAVEMENT MARKING (TYP)
STA=49+79
NOTES:





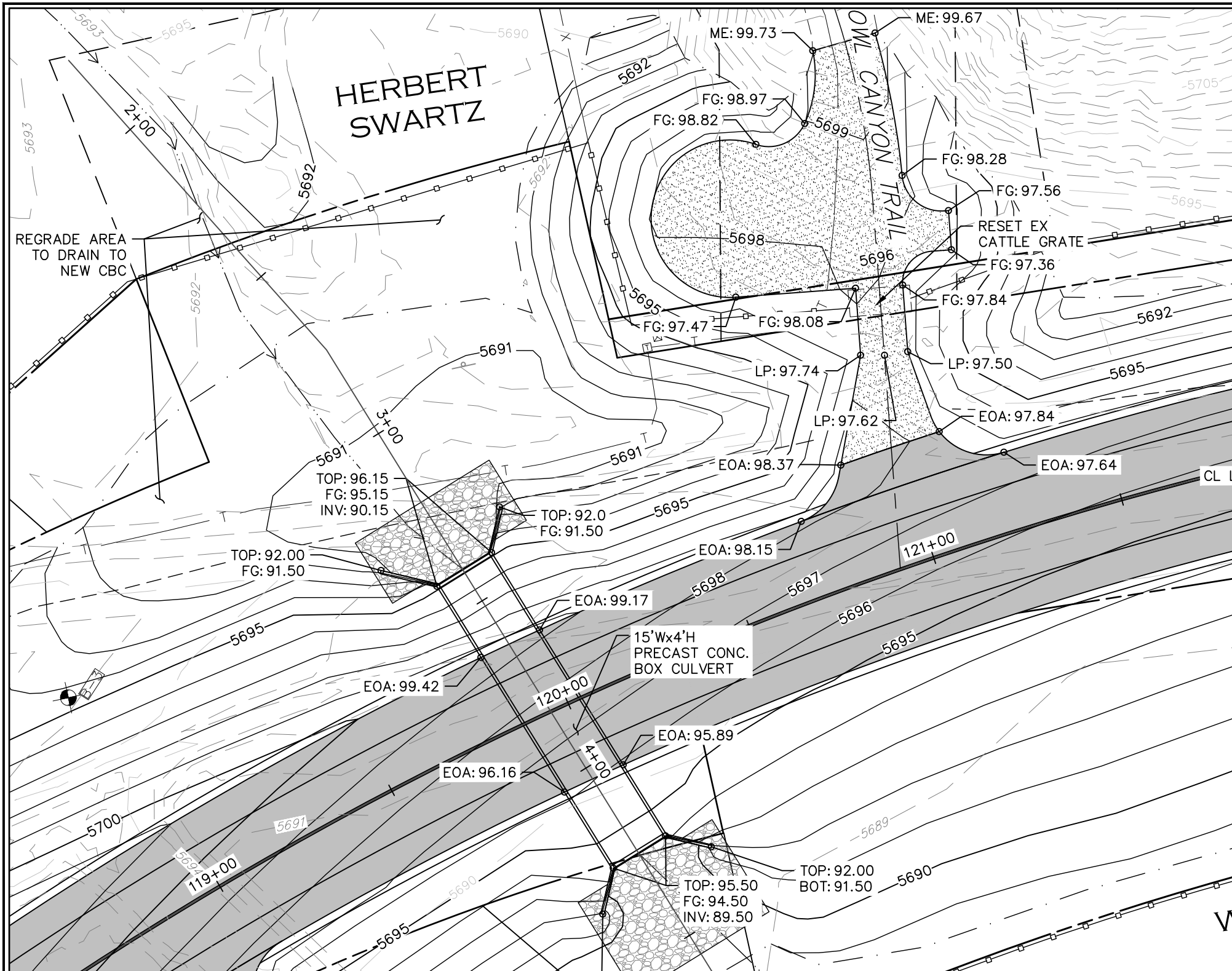
STRIPING LEGEND

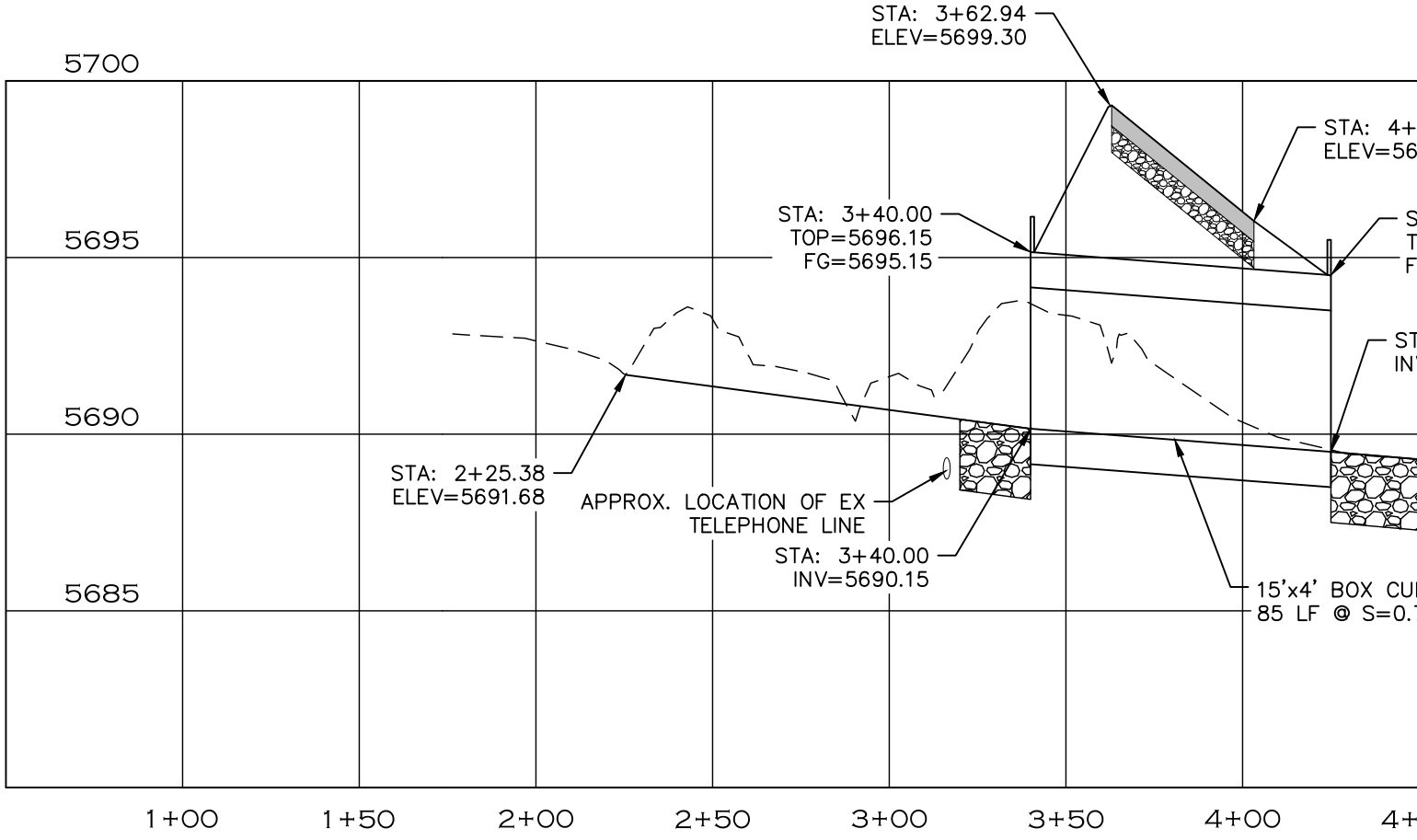
NOTES:



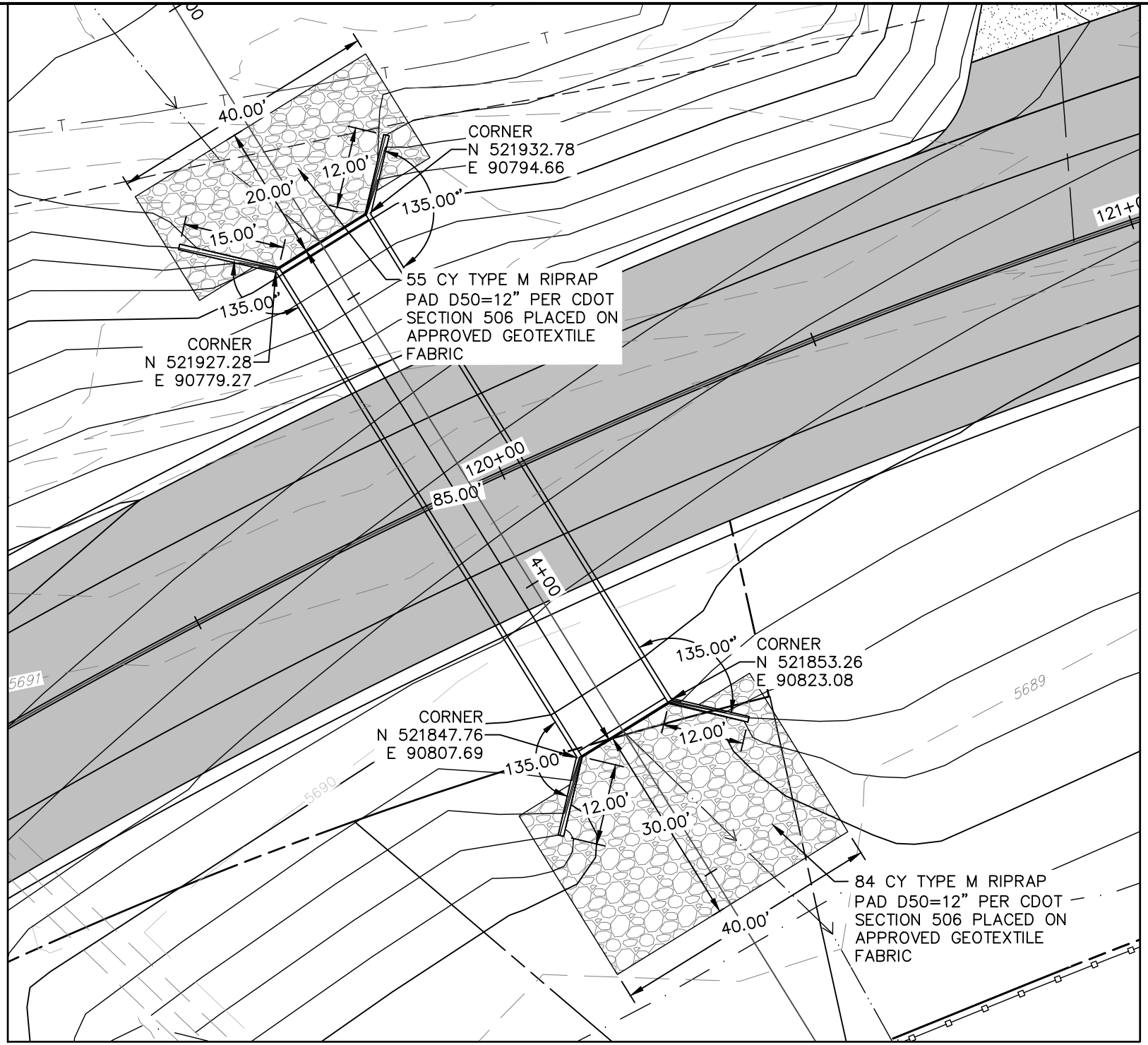
STRIPING LEGEND

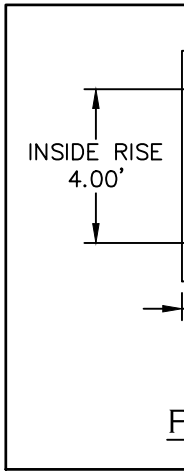
NOTES:


HERBERT SWARTZ
OWL CANYON TRAIL
REGRADE AREA TO DRAIN TO NEW CBC
RESET EX CATTLE GRATE
ME: 99.73
ME: 99.67
FG: 98.97
FG: 98.82
FG: 98.28
FG: 97.56
FG: 97.36
FG: 97.84
FG: 98.08
FG: 97.47
LP: 97.74
LP: 97.50
LP: 97.62
EOA: 97.84
EOA: 97.64
EOA: 98.37
EOA: 98.15
EOA: 99.17
EOA: 99.42
EOA: 95.89
EOA: 96.16
TOP: 96.15
FG: 95.15
INV: 90.15
TOP: 92.0
FG: 91.50
TOP: 92.00
FG: 91.50
15'Wx4'H PRECAST CONC. BOX CULVERT
TOP: 95.50
FG: 94.50
INV: 89.50
TOP: 92.00
BOT: 91.50
2+00
3+00
4+00
119+00
120+00
121+00
5689
5690
5691
5692
5693
5695
5696
5697
5698
5699
5700
5705



BOXCULVERT PROFILE
HORIZ. SCALE: 1"=50'
VERT. SCALE: 1"=5'





NOTE:

1. DIMENSIONS OF THE
   DETERMINED BY TH
2. SUBGRADE PREPAR
   EXPLORATION – AD

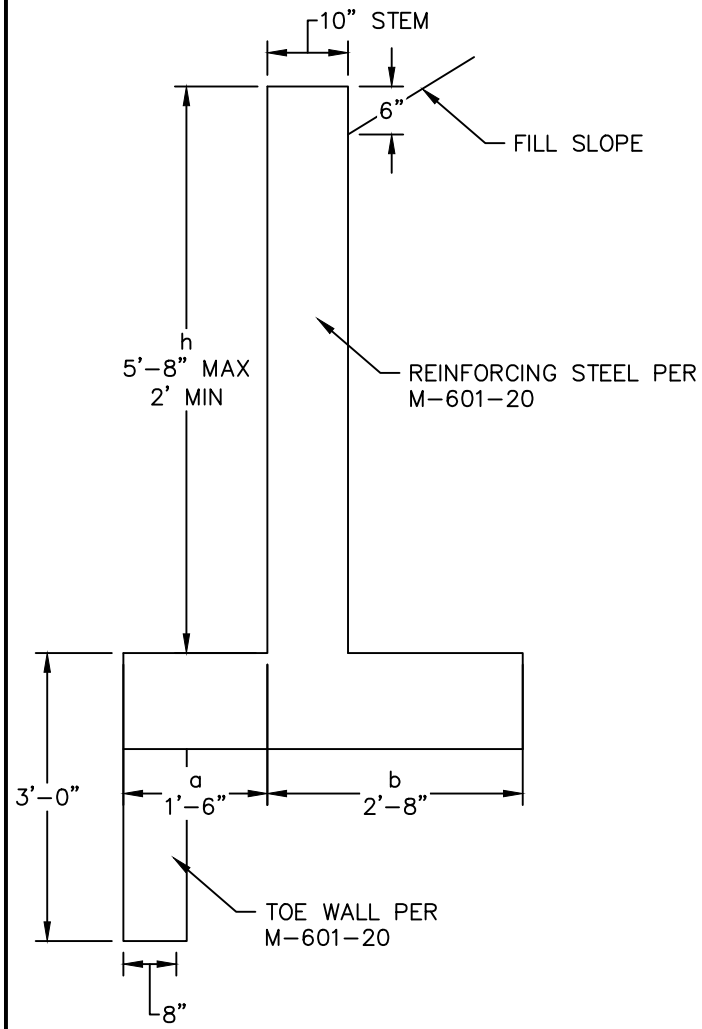
TOP

FG

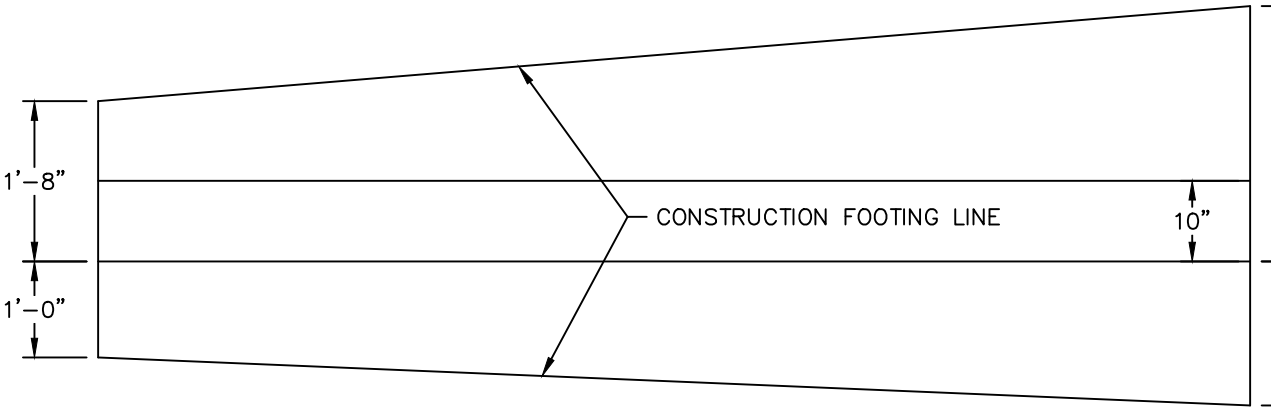
REINFORCING STEEL PER
M–601–20

INV

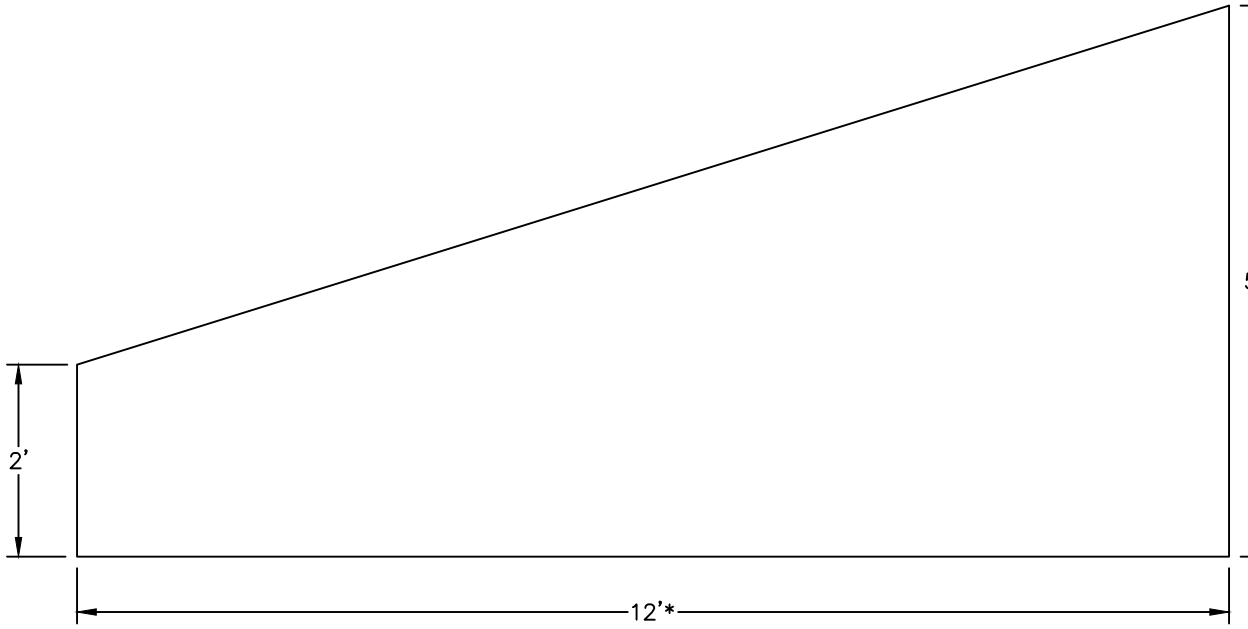
3'–0"



WINGWALL TYPICAL SECTION

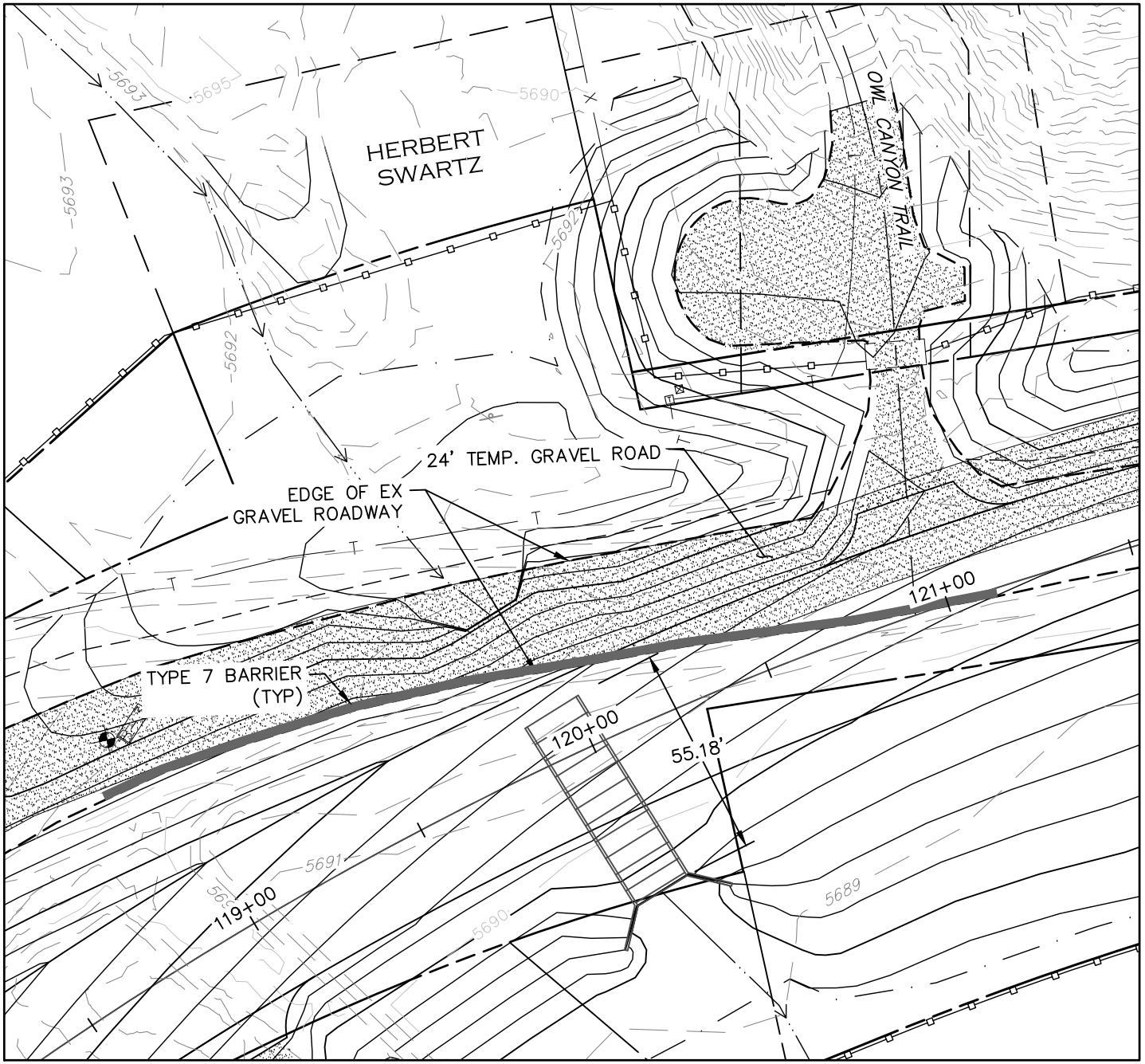


WINGWALL PLAN



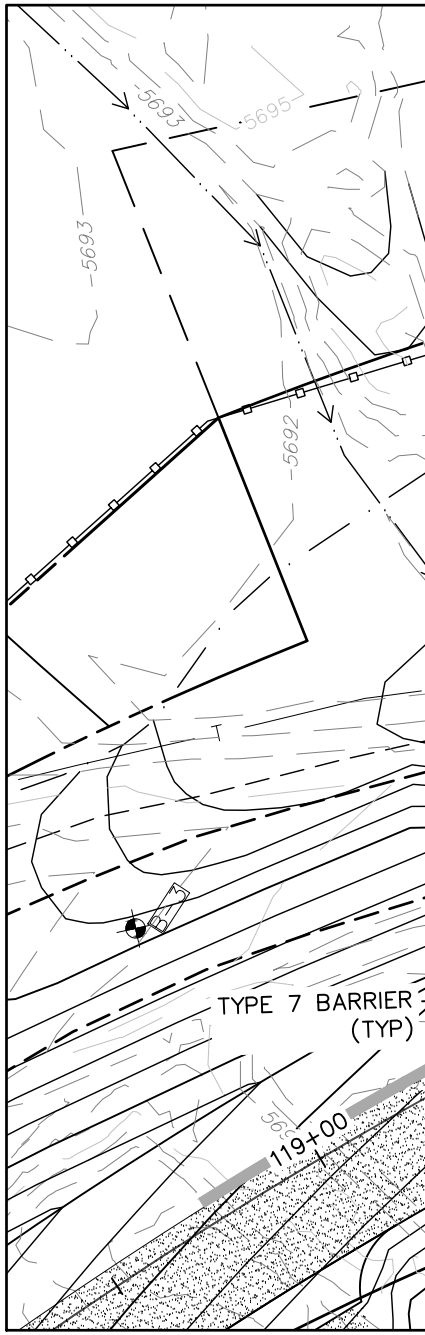
***NOTE:** WINGWALL IN NORTHWEST CORNER OF BOX IS 15' LONG.

WINGWALL ELEVATION



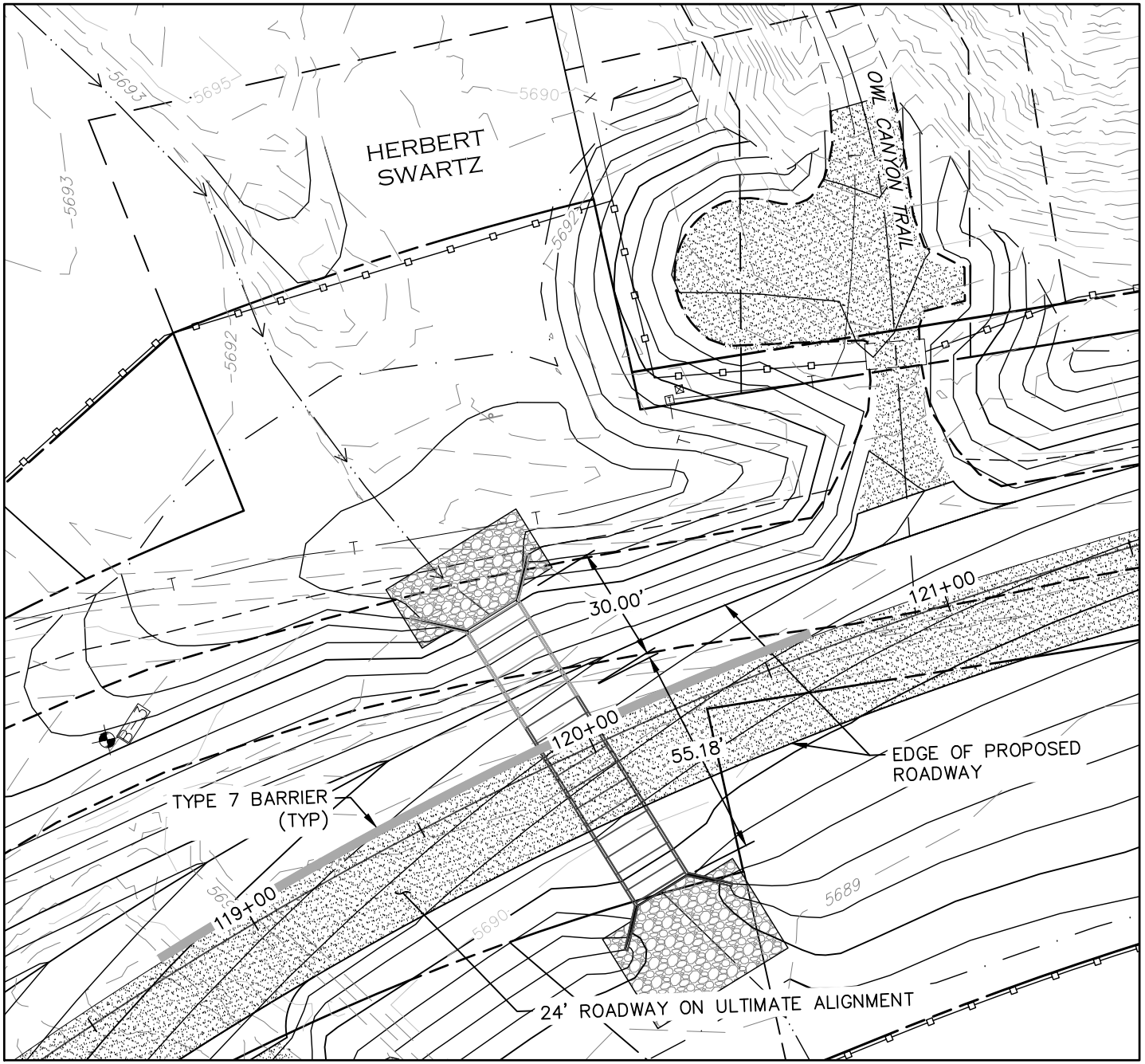
PHASE 1

1. CONSTRUCT SOUTH PORTION OF THE BOX CULVERT AND WINGWALLS.
2. MAINTAIN 2 LANES OF TRAFFIC ON EXISTING GRAVEL ROAD. PROVIDE TYPE 7 BARRIERS AS



PHASE 2

1. BACKFILL OVER S
2. CONSTRUCT 24' W



PHASE 3

1. CONSTRUCT NORTH PORTION OF THE BOX CULVERT AND WINGWALLS.
2. BACKFILL AROUND BOX CULVERT AND WINGWALLS TO FINAL GRADING.