

INDEX OF SHEETS

11/18/2022 LETTING ITEM 109

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

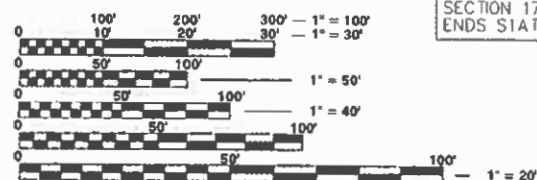
**PLANS FOR PROPOSED
FEDERAL-AID H.S.I.P. PROJECT**

JEFFERSON COUNTY
FAS 819 (CH 39)
SECTION: 17-00217-00-RS
PROJECT: A14M(523)
JOB NO.: C-99-043-18

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	1
FED. ROAD DIST. NO.		ILLINOIS	E.DX-IRVINGTON RD.	

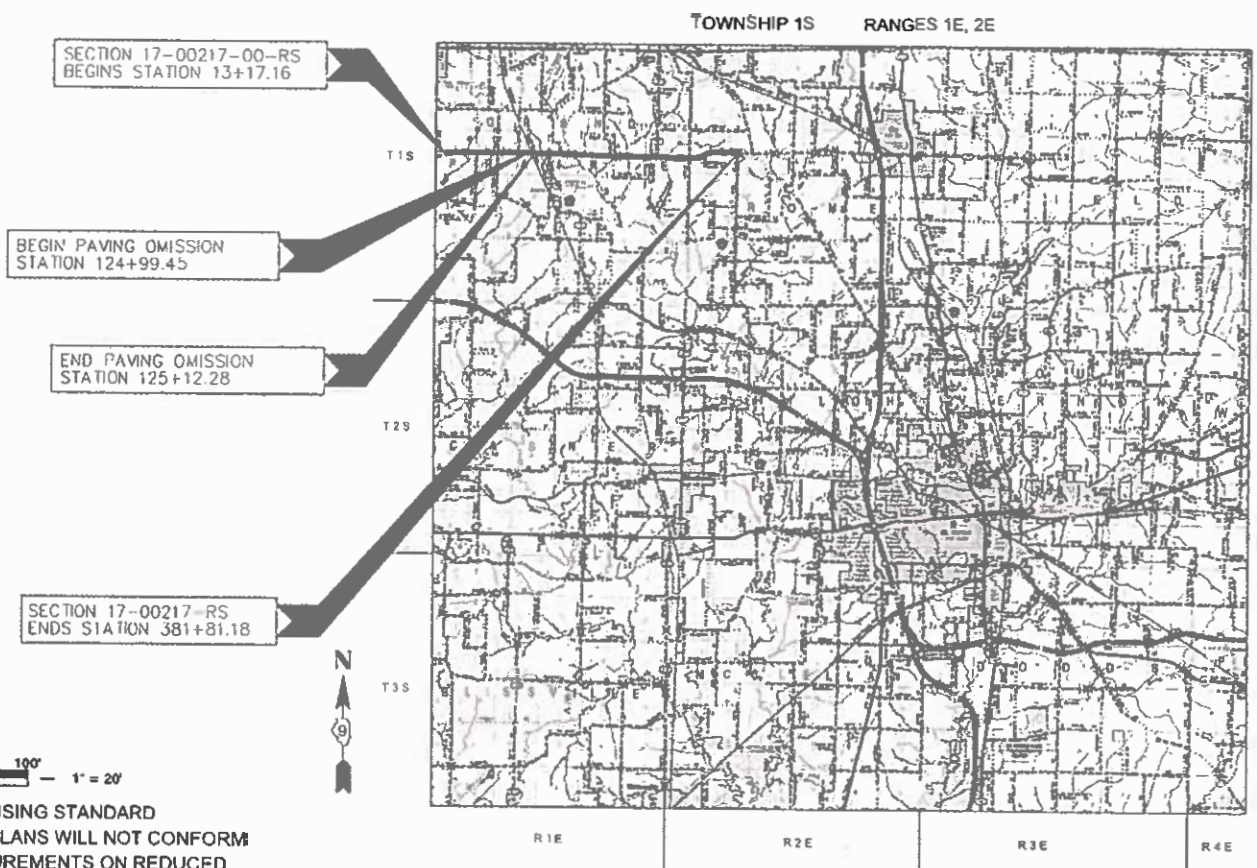


Know what's below.
Call before you dig.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CONTRACT NO.: 99692
DESIGN CLASS - MAJOR COLLECTOR
CURRENT A.D.T. = 1950
DESIGN SPEED = 60 MPH



LOCATION MAP

APPROXIMATE SCALE: 0 4 8 MILE

GROSS LENGTH = 36,864.00 FEET (6.98 MILES)
OMMISSIONS = 68.00 FEET (0.01 MILES)
NET LENGTH = 36,796.00 FEET (6.97 MILES)

APPROVED: April 1 2022
[Signature]
COUNTY ENGINEER

PASSED: 4/15/22
[Signature]
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

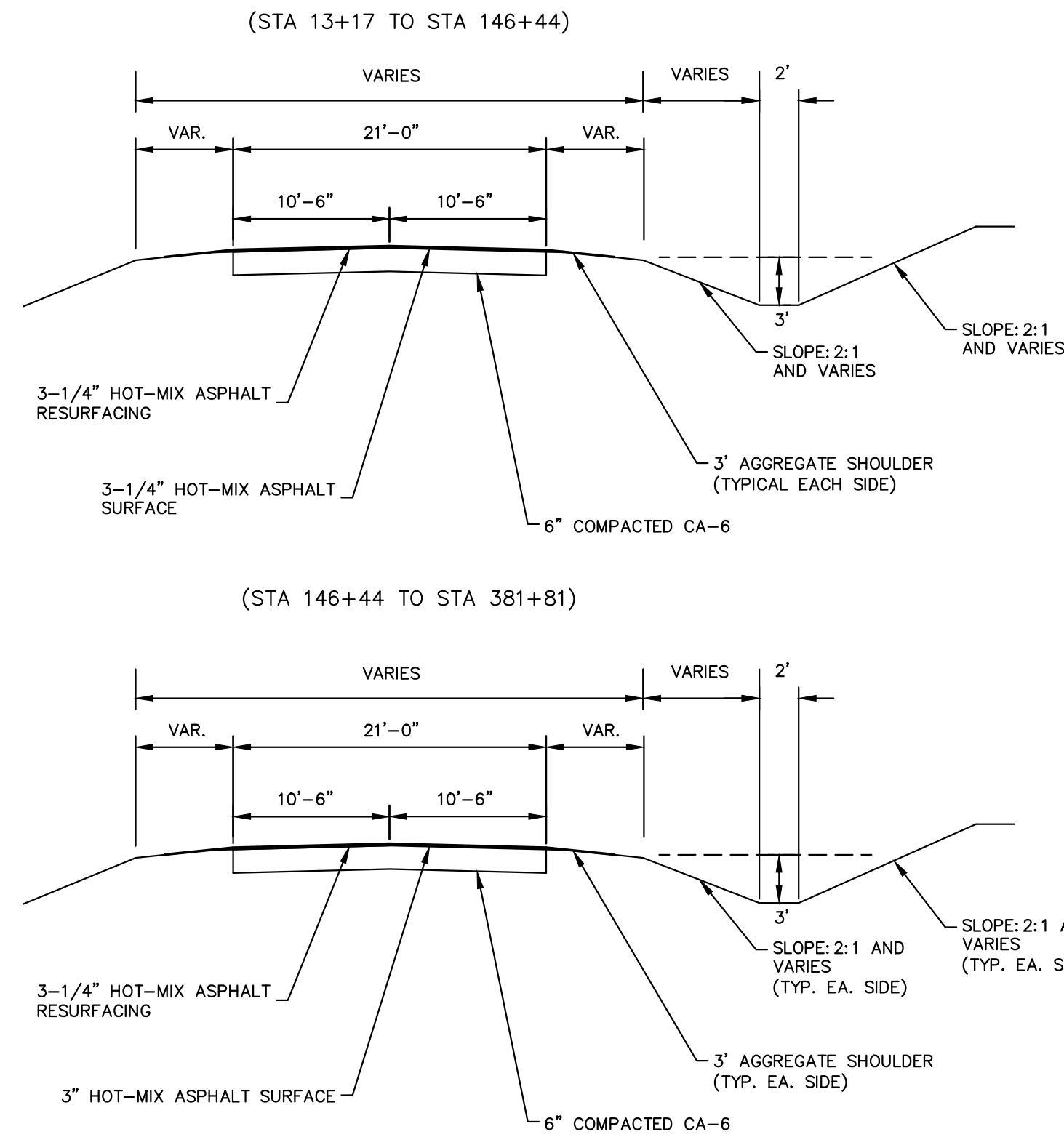
RELEASING FOR BID BASED ON LIMITED REVIEW
4/15/22
[Signature]
REGION FIVE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HAMPTON, LENZINI AND RENWICK, INC.
323 WEST THIRD STREET, P.O. BOX 160
M T CARMEL, ILLINOIS 62863
HLR
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP 184 000959

**TYPICAL CROSS SECTION
EXISTING**



GENERAL NOTES:

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTION 36G-MFT AND SHALL REMAIN IN PLACE. THE PROPOSED ALIGNMENT AND ALL STATIONS REFERRED TO IN THE PLANS AND PROPOSAL ARE DERIVED FROM THE ABOVE MENTIONED SECTION.

MAXIMUM PERCENT OF GRADE	+6.40 %
MINIMUM STOPPING SIGHT DISTANCE	570 FT
DESIGN SPEED	60 MPH
CURRENT ADT	1950 VPD
DESIGN ADT (20 YEAR)	1950 VPD

THE HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 3/4".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 ALLOWS 185 TONS FOR THE INTERSECTIONS, SIDE ROADS, AND TAPERS; 474 TONS FOR THE ENTRANCES; 266 TONS FOR THE MAILBOX TURNOUTS, AND 8,430 TONS FOR THE 1 3/4" LIFT OF HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70.

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT BINDER COURSE ALLOWS 3,596 TONS FOR THE 3/4" LIFT OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS TYPE B	1.8 TONS / CU YD
HOT-MIX ASPHALT	112 LBS / (SQ YD/INCH)
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS / SQ FT
RIPRAP	1.8 TONS / CU YD

HOT-MIX ASPHALT MIXTURES SHALL BE PG64-22 ASPHALT AND ACCORDING TO THE TABLE BELOW.

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1-3/4")	PG 64-22	4.0% @ N=70	IL-9.5	MIXTURE C	QC/QA
HMA BINDER COURSE, IL-19.0, N50 (3/4")	PG 64-22	4.0% @ N=50	IL-19.0	N/A	QC/QA
HMA SHOULDERS, N30, IL-9.5L (6")	PG 64-22	4.0% @ N=30	IL-9.5L	N/A	QC/QA

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO THE STANDARDS AND SPECIFICATIONS IN THE 2013 ILLINOIS URBAN MANUAL (IUM), THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022 AND THE PLAN DETAILS.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES. IT SHALL BE PRESENTED UPON REQUEST FROM ANY AUTHORIZED AGENT.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF. THE PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTH MATERIAL TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- ALL TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED AND IMMEDIATELY REPLACED AS NEEDED AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INSPECTION AND REPAIR. THE CONTRACTOR SHALL INSPECT AND COMPLETE MAINTENANCE OF ALL ITEMS A MINIMUM OF EVERY 7 DAYS AND WITHIN 24 HOURS OF A ONE-HALF INCH RAINFALL. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SEEDING IS ACHIEVED. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- REMOVAL OF TRAPPED SEDIMENT SHALL BE PAID FOR AS EARTH EXCAVATION. SEDIMENT SHALL BE REMOVED WHEN SILTATION REACHES 50% OF THE HEIGHT OF THE BARRIER.
- TEMPORARY STOCKPILES OF MATERIALS MAY NOT BE LOCATED IN WETLANDS OR DRAINAGE SWALES OR ON THE LEVEE EMBANKMENT. THE LOCATION OF ANY TEMPORARY STOCKPILE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. STOCKPILES TO REMAIN IN PLACE MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION & SEDIMENT CONTROL (I.E. PERIMETER EROSION BARRIER). STOCK PILES TO REMAIN IN PLACE FOR THIRTY DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB SURFACE DRAINAGE SYSTEMS (I.E. FIELD TILES) ACCORDING TO SECTION 611 OF THE IDOT STANDARD SPECIFICATIONS.
- CLEANING OF VEHICLES AND EQUIPMENT SHALL BE PERFORMED IN A MANNER TO AVOID POLLUTANT DISCHARGE TO WETLANDS AND OPEN WATERS. IF THE CONTRACTOR PROPOSES TO USE AN ON-SITE WASHOUT LOCATION, THE CONTRACTOR SHALL SUBMIT A LOCATION AND DESIGN OF THE PROPOSED TEMPORARY CONCRETE WASHOUT FACILITY TO THE ENGINEER FOR APPROVAL AT LEAST 10 DAYS PRIOR TO THE FIRST POUR.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION LEAKY EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- TEMPORARY SEEDING SHALL BE COMPLETED ON ALL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH CONSTRUCTION WILL BE STOPPED FOR A PERIOD OF MORE THAN 14 CALENDAR DAYS. WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

IN-STREAM SESC NOTES

- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE AT OR BELOW THE NORMAL WATER ELEVATION.
- THE PLAN MUST BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
- WATER MUST BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NONERODABLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIPRAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
- THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE OFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
- IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE MUST BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE MUST BE RELEASED ONTO A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND MUST NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
- DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER MUST HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER MAY NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
- THE AREA FROM THE TOE TO THE TOP OF THE SIDE SLOPE MUST BE TEMPORARILY STABILIZED DURING CONSTRUCTION TO REDUCE THE POTENTIAL FOR EROSION. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES MUST BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

UTILITY CONTACT LIST:

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OAKBROOK, IL 60523

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DAN PELTIER
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HARRISBURG, IL 62946
ROTH CLAYTON
(618) 294-8078

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JAMIE MARQUES, PMP
(812) 833-2598 OR (812) 270-2107

FRONTIER COMMUNICATIONS
203 WEST UNION STREET
MARION, IL 62959
MIKE RAKERS
(618) 318-6646

MARATHON PIPE LINE LLC
8762 US-51
VERNON, IL 62892
(419) 421-3031

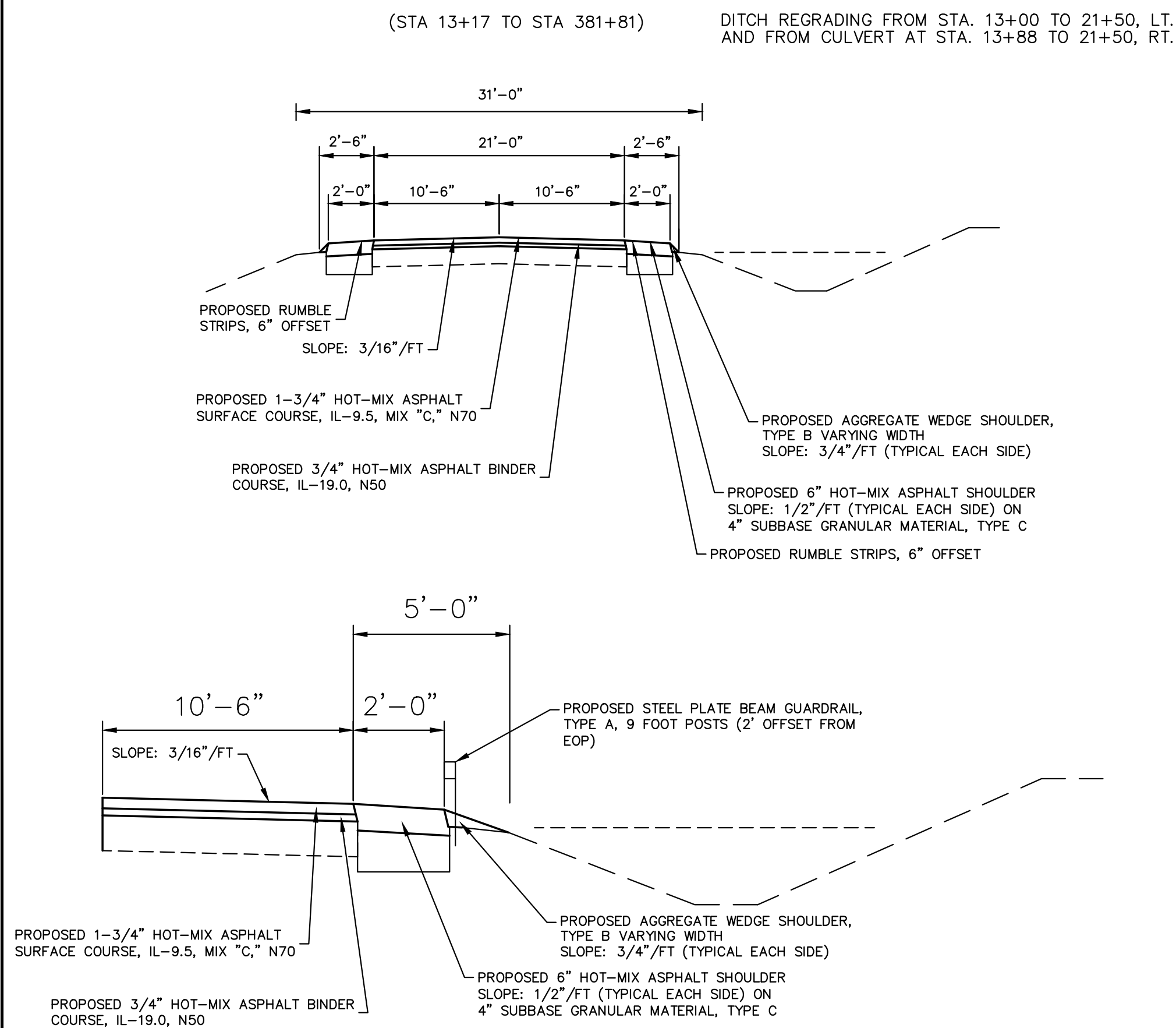
TRI-COUNTY ELECTRIC COOPERATIVE
3906 BROADWAY
MOUNT VERNON, IL 62864
HEATHER RAWLS
(618) 244-5151 EXT. 243 OR (618) 242-1013

VILLAGE OF WOODLAWN (WATER)
202 S. CENTRAL
WOODLAWN, IL 62898
RODNEY AIRINGTON
(618) 735-2110

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 36" DIA. SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
630001-12	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-10	TRAFFIC BARRIER TERMINAL, TYPE 6A
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
701006-05	OFF-RD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-07	LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**TYPICAL CROSS SECTION
PROPOSED**



HAMPTON, LENZINI AND RENWICK, INC.
323 WEST THIRD STREET, P.O. BOX 160
MT. CARMEL, ILLINOIS 62863
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330	DESIGNED - XXX	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - XXX	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - XXX	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - XXX	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND TYPICAL SECTIONS

SCALE: X"=XX' SHEET 1 OF 1 SHEETS STA. XXX+XX.XX TO STA. XXX+XX.XX

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	2
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24	
	20200100	EARTH EXCAVATION	CU YD	29	
	20400800	FURNISHED EXCAVATION	CU YD	18,417	
	20700110	POROUS GRANULAR EMBANKMENT	TON	42	
	20800150	TRENCH BACKFILL	CU YD	241	
	21400100	GRADING AND SHAPING DITCHES	FOOT	1,612	
	25000312	SEEDING, CLASS 4A	ACRE	6.32	
	25000314	SEEDING, CLASS 4B	ACRE	0.06	
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	569	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	569	
	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	30599	
	28100105	STONE RIPRAP, CLASS A3	SQ YD	44	
	28100107	STONE RIPRAP, CLASS A4	SQ YD	140	
	31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	3237	
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	209	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	81,326	

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	489	
	40600990	TEMPORARY RAMP	SQ YD	29.3	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,596	
	40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	9,354	
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	60	
	48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	577	
	48203100	HOT-MIX ASPHALT SHOULDERS	TON	5,439	
	50104400	CONCRETE HEADWALL REMOVAL	EACH	6	
	50105220	PIPE CULVERT REMOVAL	FOOT	166	
	54002020	EXPANSION BOLTS 3 / 4 INCH	EACH	50	
	54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	
	54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	
	54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	
	54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	2	
	542A2761	PIPE CULVERTS, CLASS A, TYPE 4 36"	FOOT	163	
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	

△ SPECIALTY ITEMS

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 169
 MT. CARMEL, ILLINOIS 62863
ILR ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.009958

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 3"=30'
 PLOT DATE - 06/04/2021

DESIGNED - XXX
 DRAWN - XXX
 CHECKED - XXX
 DATE - XXX

REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: X"=XX' SHEET 1 OF 2 SHEETS STA. XXX+XX.XX TO STA. XXX+XX.XX

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	3
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18 ILLINOIS FEDERAL AID PROJECT: A14M(523)				

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	7	
△	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2,527	
△	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22	
	64200108	SHOULDER RUMBLE STRIPES, 8 INCH	FOOT	70,218	
	67100100	MOBILIZATION	L SUM	1	
	70100460	TRAFFIC CONTROL STANDARD 701306	L SUM	1	
	70100600	TRAFFIC CONTROL STANDARD 701336	L SUM	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	150	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	7373	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2458	
△	72000100	SIGN PANEL - TYPE 1	SQ FT	197	
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	84	
△	72900100	METAL POST - TYPE A	FOOT	520	
△	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	132,558	
	X0325893	CLEAN EXISTING END SECTION	EACH	2	
	X0358300	REMOVE AND RELAY END SECTIONS	EACH	4	

SUMMARY OF QUANTITIES

SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
*	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURE	SQ YD	36	
*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	408	
*	Z0016702	DETOUR SIGNING	L SUM	1	
*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	
*	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	
*	XX008385	CONCRETE REMOVAL (SPECIAL)	EACH	3	

△ SPECIALTY ITEMS

SCHEDULE OF MAILBOX TURNOUTS

STATION	LOCATION	HMA SURFACE (TON)
133+13	LT	8.74
138+17	LT	8.74
163+03	LT	10.30
183+99	LT	8.74
190+08	LT	10.30
195+10	LT	10.30
197+34	LT	6.78
199+36	LT	10.30
201+95	LT	8.74
202+37	LT	6.78
212+99	LT	6.78
214+48	LT	10.30
223+07	LT	8.74
224+59	LT	10.30
231+45	RT	8.74
249+24	LT	8.74
251+10	LT	8.74
251+89	RT	8.74
256+77	LT	6.78
258+25	RT	6.78
266+17	LT	8.74
269+03	LT	8.74
282+32	RT	6.78
285+45	RT	8.74
289+29	RT	8.74
291+18	RT	8.74
295+09	RT	6.78
299+20	RT	10.30
303+11	RT	6.78
319+28	RT	10.30
381+03	LT	6.78
		TOTAL = 265.70 TONS

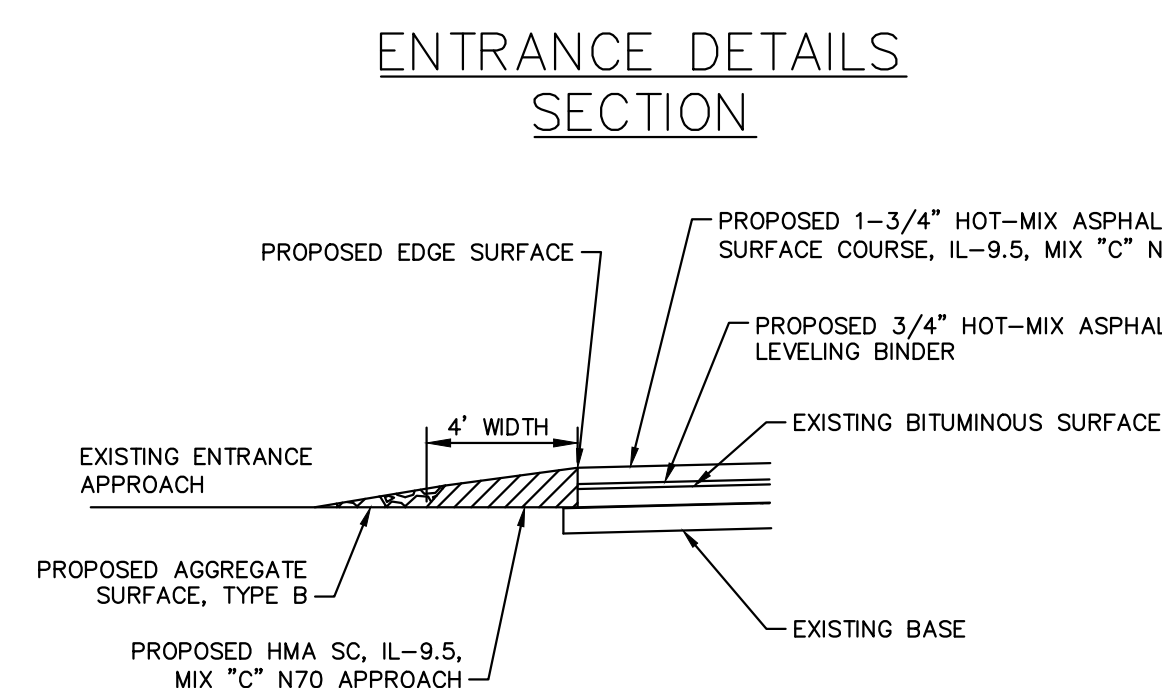
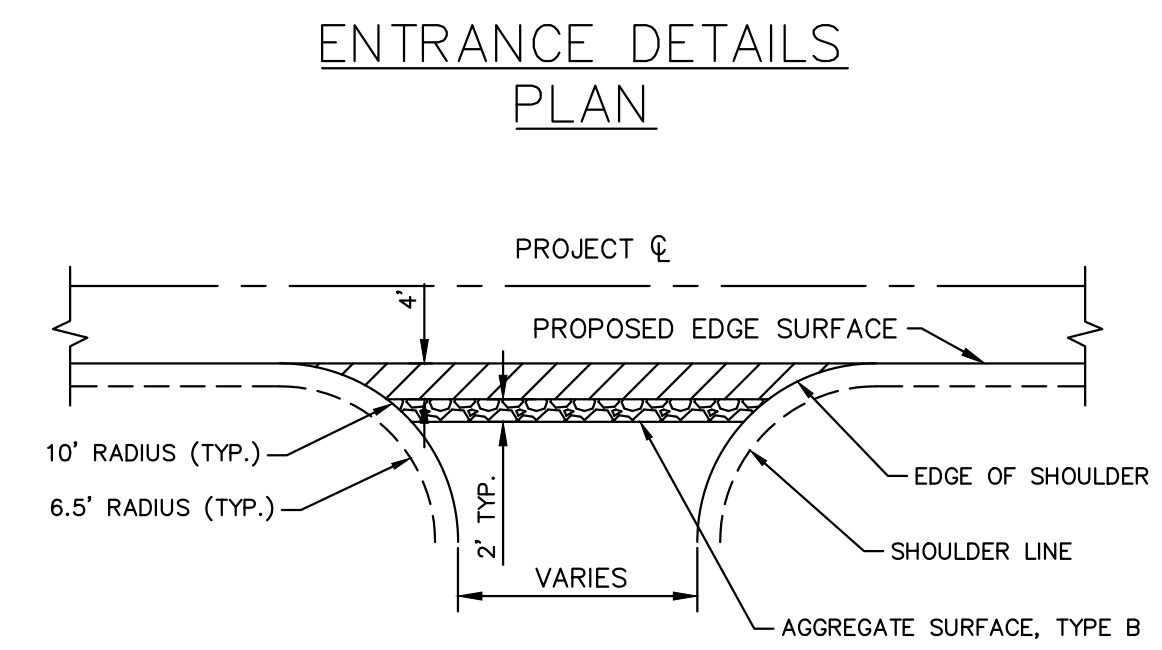
NOTE: THE TONNAGE SHOWN ABOVE FOR MAILBOX TURNOUTS SHALL BE HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 AND IS INCLUDED IN THE TOTAL TONNAGE IN THE SUMMARY OF QUANTITIES. TURNOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 406201-01.

PAVEMENT MARKING SCHEDULE

START STA	END STA	LOCATION	PAINT PAVEMENT MARKING - LINE 4"				REMOVE LENGTH (FT)
			SOLID	SKIP DASH	SHORT-TERM	REMOVE	
			WHITE LENGTH (FT)	YELLOW LENGTH (FT)	YELLOW LENGTH (FT)	LENGTH (FT)	
EDGE LINES							
13+17	5+54	EOP LT	4,137				
13+17	54+548	EOP RT	4,137				
55+00	1+22	EOP LT	2,622				
55+00	81+22	EOP RT	2,622				
81+67	107+93	EOP LT	2,626				
81+67	108+08	EOP RT	2,641				
108+46	124+90	EOP LT	1,644				
108+59	124+99	EOP RT	1,640				
125+11	159+85	EOP LT	3,474				
125+21	146+06	EOP RT	2,085				
146+79	227+20	EOP RT	8,041				
160+58	227+09	EOP LT	6,651				
227+76	266+37	EOP RT	3,861				
227+85	279+68	EOP LT	5,183				
266+93	319+47	EOP RT	5,254				
280+41	319+47	EOP LT	3,906				
320+19	381+81	EOP LT	6,162				
320+24	339+39	EOP RT	1,915				
340+11	380+29	EOP RT	4,018				
381+17	381+81	EOP RT	64				
NO PASSING ZONE							
13+17	13+75	CL LT		58			
13+17	13+75	CL RT		58			
23+31	31+68	CL LT		837			
20+66	31+68	CL RT	1,102				
62+10	71+80	CL LT		970			
74+24	84+57	CL RT		1,033			
87+20	96+87	CL LT		967			
115+10	124+95	CL RT		985			
125+15	136+63	CL LT		1,148			
153+38	247+42	CL RT		9,404			
163+32	258+31	CL LT		9,499			
273+32	298+02	CL RT		2,470			
285+04	310+54	CL LT		2,550			
329+60	349+52	CL RT		1,992			
333+25	357+78	CL LT		2,453			
SKIP DASH							
13+75	20+66	CL			691		
31+68	124+95	CL			9,327		
125+15	163+32	CL			3,817		
247+42	285+04	CL			3,762		
298+02	333+25	CL			3,523		
349+52	381+81	CL			3,229		
SHORT TERM							
13+17	381+81	CL				7,373	
						2,458	
TOTAL =			72,683	35,526	24,349	7,373	2,458

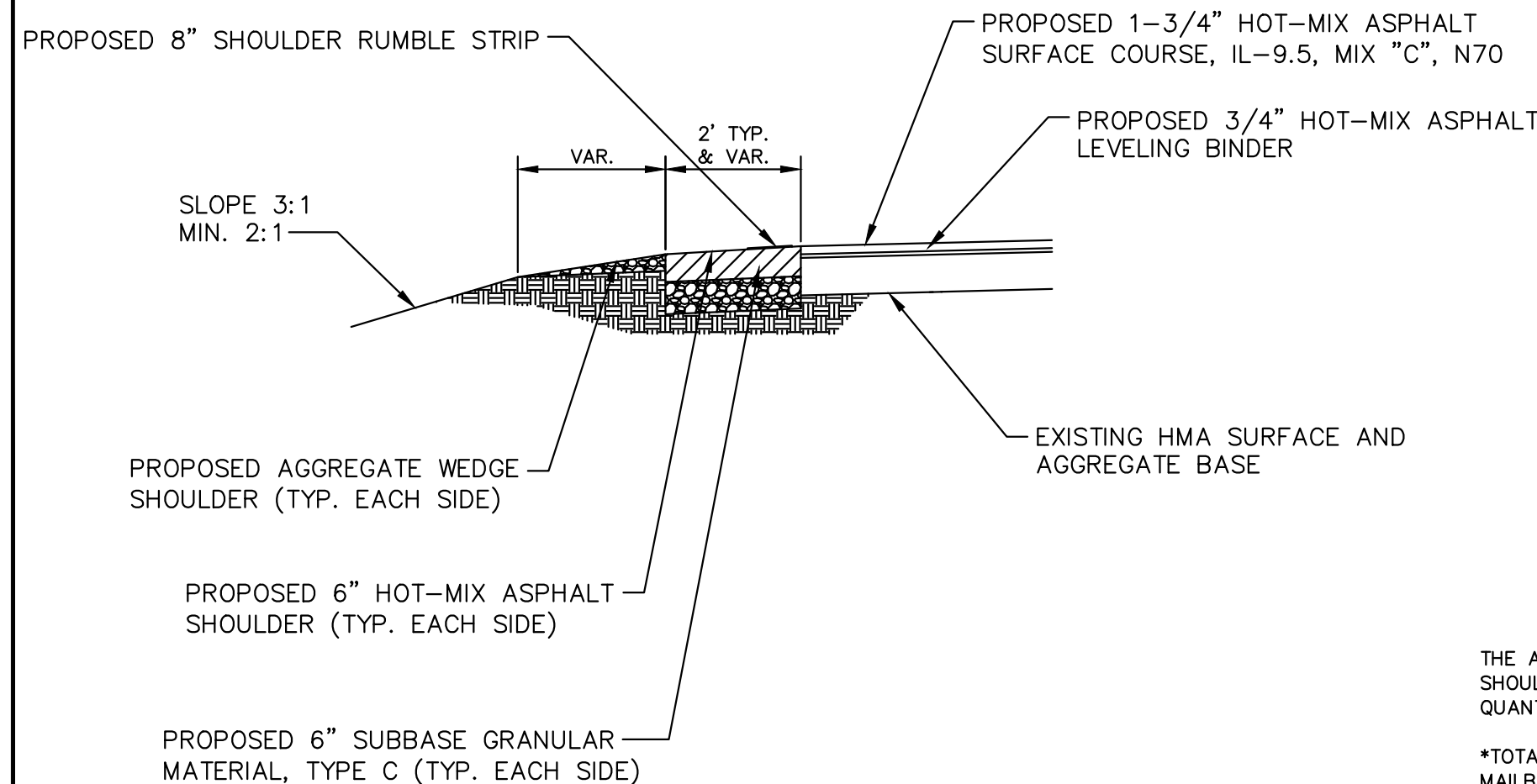
SCHEDULE OF FIELD & PRIVATE ENTRANCES

STATION TO	STATION	LOCATION	TYPE	LENGTH (FT)	HMA SURFACE (TON)	AGG SURFACE (TON)
14+59	14+89	RT	FE	30.0	3.36	1.48
27+71	28+11	RT	FE	40.0	4.48	1.98
31+08	31+83	LT	FE	75.0	8.40	3.70
40+65	41+07	RT	FE	42.0	4.70	2.07
59+38	59+87	RT	FE	49.0	5.49	2.42
65+72	65+94	LT	FE	22.0	2.46	1.09
69+99	70+78	RT	FE	79.0	8.85	3.90
82+72	83+29	RT	PE	57.0	6.38	2.81
85+97	86+20	RT	PE	23.0	2.58	1.14
87+23	87+77	RT	PE	54.0	13.61	6.00
89+09	89+63	RT	PE	54.0	13.61	6.00
91+30	91+71	RT	FE	41.0	4.59	2.02
123+27	124+04	LT	FE	77.0	8.62	3.80
128+42	128+82	LT	FE	40.0	4.48	1.98
129+61	129+97	RT	PE	36.0	4.03	1.78
133+15	133+49	LT	PE	34.0	3.81	1.68
138+19	138+54	LT	PE	35.0	3.92	1.73
141+08	141+34	LT	FE	26.0	2.91	1.28
146+36	146+64	LT	FE	28.0	3.14	1.38
147+03	147+31	LT	FE	28.0	3.14	1.38
147+06	147+51	RT	PE	45.0	5.04	2.22
162+70	163+43	RT	PE	73.0	8.18	3.60
179+76	180+24	LT	FE	48.0	5.38	2.37
179+81	180+05	RT	PE	24.0	2.69	1.19
183+64	183+99	LT	FE	35.0	3.92	1.73
183+71	184+14	RT	PE	43.0	4.82	2.12
189+87	190+27	RT	PE	40.0	4.48	1.98
194+87	195+32	RT	PE	45.0	5.04	2.22
196+94	197+62	LT	PE	68.0	7.62	3.36
199+28	199+62	RT	PE	34.0	3.81	1.68
200+43	200+71	RT	PE	28.0	3.14	1.38
200+76	201+10	LT	FE	34.0	3.81	1.68
201+80	202+95	LT	PE	115.0	12.88	5.68
202+21	202+54	RT	PE	33.0	3.70	1.63
211+39	211+77	LT	PE	38.0	4.26	1.88
212+73	213+01	LT	PE	28.0	3.14	1.38
214+37	214+66	RT	PE	29.0	3.25	1.43
215+68	216+10	RT	PE	42.0	4.70	2.07
222+72	223+57	LT	PE	85.0	9.52	4.20
223+96	224+43	RT	PE	47.0	5.26	2.32
225+11	225+59	LT	PE	48.0	5.38	2.37
225+46	225+79	RT	PE	33.0	3.70	1.63
227+81	228+16	RT	PE	35.0	3.92	1.73
230+91	231+45	RT	PE	54.0	6.05	2.67
232+80	233+42	LT	PE	62.0	6.94	3.06
242+64	243+16	RT	PE	52.0	5.82	2.57
245+90	246+26	LT	FE	36.0	4.03	1.78
248+96	249+63	LT	PE	67.0	7.50	3.31
250+84	251+60	LT	PE	76.0	8.51	3.75
251+49	252+15	RT	PE	66.0	7.39	3.26
256+28	256+76	LT	PE	48.0	5.38	2.37
258+17	258+69	RT	PE	52.0	5.82	2.57
259+86	260+31	LT	FE	45.0	5.04	2.22
260+91	261+35	RT	FE	44.0	4.93	2.17
265+99	267+12	LT	PE	113.0	12.66	5.58
269+10	269+49	LT	PE	39.0	4.37	1.93
277+13	277+52	LT	FE	39.0	4.37	1.93
278+16	279+03	LT	FE	87.0	9.74	4.30
282+11	282+85	RT	PE	74.0	8.29	3.65
283+05	283+77	LT	FE	72.0	8.06	3.56
284+63	285+86	RT	PE	123.0	13.78	6.07
288+60	289+66	RT	PE	106.0	11.87	5.23
289+59	289+98	LT	PE	39.0	4.37	1.93
290+76	291+14	RT	PE	38.0	4.26	1.88
295+13	295+55	RT	PE	42.0	4.70	2.07
298+54	298+95	RT	FE	41.0	4.59	2.02
298+99	299+68	LT	PE	69.0	7.73	3.41
303+13	303+62	RT	PE	49.0	5.49	2.42
309+12	309+88	RT	PE	76.0	8.51	3.75
313+64	314+04	LT	FE	40.0	4.48	1.98
316+76	317+25	RT	PE	49.0	5.49	2.42
318+55	319+08	RT	PE	53.0	5.94	2.62
328+92	329+40	LT	FE	48.0	5.38	2.37
353+76	354+42	RT	FE	66.0	7.39	3.26
353+78	354+16	LT	FE	38.0	4.26	1.88
364+22	364+77	LT	FE	55.0	6.16	2.72
367+16	367+74	LT	FE	58.0	6.50	2.86
367+30	367+70	RT	FE	40.0	4.48	1.98
380+07	381+28	LT	FE	121.0	13.55	5.98
TOTALS =					473.98	208.99



NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70.

PROPOSED SHOULDER DETAIL



SCHEDULE OF SHOULDER ITEMS

STATION TO	STATION	LOCATION	AGGREGATE (TON)	SGM_TYP C (TON)	HMA (TON)	RUMBLE STRIP (FOOT)
13+17	54+64	RT	32.7	182.5	306.7	4107
13+17	54+64	LT	32.7	182.5	306.7	4107
54+91	81+36	RT	20.9	117.6	197.5	2631
54+91	81+36	LT	20.9	117.6	197.5	2631
81+36	108+22	RT	21.2	117.1	196.7	2641
81+36	108+03	LT	21.1	116.2	195.3	2626
108+42	124+58	RT	12.8	71.8	120.7	1599
108+30	124+58	LT	12.8	72.4	121.6	1612
125+56	146+25	RT	16.3	92.0	154.5	2050
125+56	160+12	LT	27.3	153.6	258.0	3429
146+56	227+36	RT	63.8	359.1	603.3	8041
160+33	227+36	LT	52.9	297.9	500.5	6651
227+64	266+56	RT	30.7	173.0	290.6	3861
227+64	279+90	LT	41.2	232.3	390.2	5183
266+79	319+71	RT	41.8	235.2	395.1	5254
280+13	319+71	LT	31.2	175.9	295.5	3906
319+99	339+50	RT	15.4	86.7	145.7	1915
319+99	381+81	LT	48.8	273.0	458.6	6122
339+79	380+54	RT	32.2	181.1	304.3	4018
380+81	381+81	RT	0.8			
TOTALS =			577.5	3237.4	5438.8	76547.0*

THE ABOVE QUANTITIES ARE FOR THE ENTIRE SECTION AND ARE INCLUDED IN THE QUANTITY FOR AGGREGATE WEDGE SHOULDERS, TYPE B, SUBBASE GRANULAR MATERIAL, TYPE C, AND SHOULDER RUMBLE STRIPS, 8 INCH IN THE SUMMARY OF QUANTITIES.

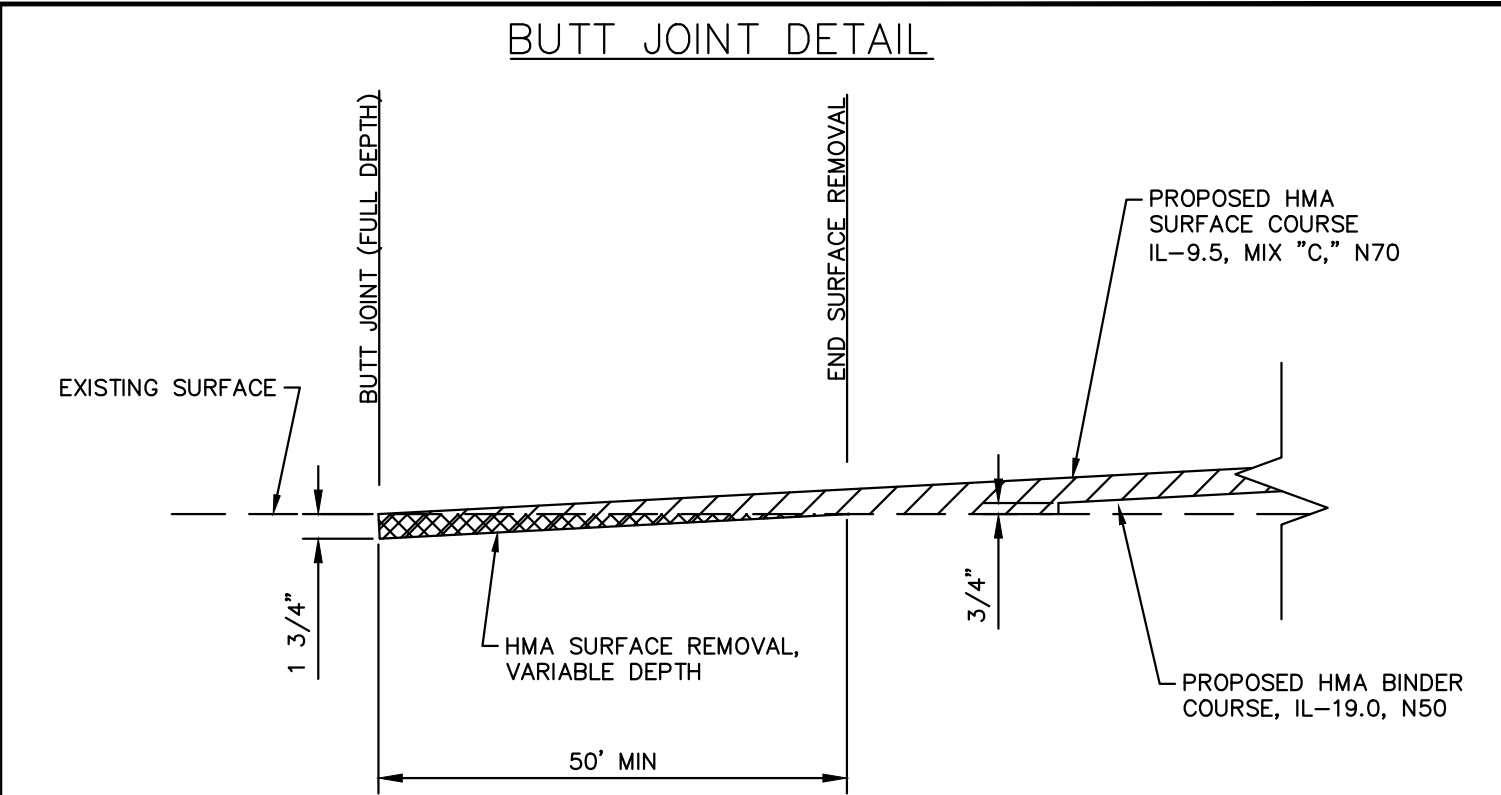
*TOTAL QUANTITY SHOWN FOR RUMBLE STRIPS INCLUDES OMISSIONS FOR FIELD AND PRIVATE ENTRANCES (4097 FT) AND MAILBOX TURNOUTS (2232 FT) AND ADDITIONAL CENTER RUMBLE STRIPS FROM 23+66 TO 33+42 (976 FT), 283+94 TO 298+43 (1450 FT), 318+95 TO 320+74 (180 FT), AND 333+03 TO 348+59 (1557 FT).

GUARDRAIL SCHEDULE, 9' POSTS

STATION	LOCATION	FEET	TERMINAL
117+51.00 - 122+17.00	RT	366.00	2
118+51.00 - 123+17.00	LT	366.00	2
131+00.00 - 134+00.00	RT	200.00	2
165+71.55 - 168+71.55	RT	200.00	2
169+97.45 - 172+47.45	LT	150.00	2
185+27.80 - 187+90.30	RT	162.50	2
188+71.70 - 191+34.20	LT	162.50	2
216+09.80 - 219+09.80	RT	200.00	2
219+17.20 - 222+17.20	LT	200.00	2
289+17.00 - 293+87.00	RT	370.0	

LANDSCAPE SCHEDULE							
STATION	SIDE	TOTAL AREA (SQ YD)	25000400 NITROGEN FERTILIZER NUTRIENT (POUND)	25000600 POTASSIUM FERTILIZER NUTRIENT (POUND)	25000312 SEEDING CLASS 4A (ACRE)	25000313 SEEDING CLASS 4B (ACRE)	25100635 HEAVY DUTY EROSION CONTROL BLANKET (SQ YD)
13+17	LT	3236.9	60.2	60.2	0.669		3237
13+17	RT	4434.6	82.5	82.5	0.916		4435
125+00	LT	6610.0	122.9	122.9	1.366	0.025	6610
125+00	RT	6803.1	126.5	126.5	1.406	0.002	6804
244+50	LT	3613.9	67.2	67.2	0.747	0.012	3614
244+50	RT	3654.0	67.9	67.9	0.755	0.017	3654
344+50	LT	829.5	15.4	15.4	0.171		830
344+50	RT	959.5	17.8	17.8	0.198		960
13+87	LT	29.5	0.5	0.5	0.006		30
13+87	RT	24.4	0.5	0.5	0.005		25
52+25	LT	0.0	0.0	0.0	0.000		0
52+25	RT	0.0	0.0	0.0	0.000		0
68+15	LT	0.0	0.0	0.0	0.000		0
68+15	RT	0.0	0.0	0.0	0.000		0
169+06	LT	59.3	1.1	1.1	0.012		60
169+06	RT	56.5	1.1	1.1	0.012		57
188+55	LT	0.0	0.0	0.0	0.000		0
188+55	RT	0.0	0.0	0.0	0.000		0
193+56	LT	49.7	0.9	0.9	0.010		50
193+56	RT	43.4	0.8	0.8	0.009		44
207+55	LT	37.6	0.7	0.7	0.008		38
207+55	RT	42.0	0.8	0.8	0.009		43
219+13	LT	0.0	0.0	0.0	0.000		0
219+13	RT	0.0	0.0	0.0	0.000		0
229+97	LT	0.0	0.0	0.0	0.000		0
229+97	RT	0.0	0.0	0.0	0.000		0
253+87	LT	0.0	0.0	0.0	0.000		0
267+00	LT	0.0	0.0	0.0	0.000		0
267+00	RT	0.0	0.0	0.0	0.000		0
289+53	LT	0.0	0.0	0.0	0.000		0
289+53	RT	0.0	0.0	0.0	0.000		0
292+00	LT	64.4	1.2	1.2	0.013		65
292+00	RT	42.4	0.8	0.8	0.009		43
321+81	LT	0.0	0.0	0.0	0.000		0
321+81	RT	0.0	0.0	0.0	0.000		0
381+81	RT	0.0	0.0	0.0	0.000		0
381+87	RT	0.0	0.0	0.0	0.000		0
TOTALS			568.8	568.8	6.320	0.060	30599

SIGNING SCHEDULE						
LOCATION			SIGN PANEL			
STATION	SIGN	AREA	PROPOSED		REMOVE	
			TYPE 1 SQ FT	POST FOOT	TYPE 1 SQ FT	
16+93.18	Reverse Curve Warning	W1-4	30 X 30			
22+50.00	Reverse Curve Warning	W1-4	30 X 30	6.25	10.00	
	35 Mph	W13-1P	18 X 18	2.25	10.00	
23+66.43	Chevrons	W1-8	18 X 24	3.00	10.00	
24+46.43	Chevrons	W1-8	18 X 24	3.00	10.00	
25+26.43	Chevrons	W1-8	18 X 24	3.00	10.00	
26+06.43	Chevrons	W1-8	18 X 24	3.00	10.00	
26+86.43	Chevrons	W1-8	18 X 24	3.00	10.00	
27+66.43	Chevrons	W1-8	18 X 24	3.00	10.00	
30+22.35	Chevrons	W1-8	18 X 24	3.00	10.00	
31+02.35	Chevrons	W1-8	18 X 24	3.00	10.00	
31+82.35	Chevrons	W1-8	18 X 24	3.00	10.00	
32+62.35	Chevrons	W1-8	18 X 24	3.00	10.00	
33+42.35	Chevrons	W1-8	18 X 24	3.00	10.00	
35+50.00	Reverse Curve Warning	W1-4	30 X 30	6.25	10.00	
	35 Mph	W13-1P	18 X 18	2.25	10.00	
38+62.85	Reverse Curve Warning	W1-4	30 X 30		6.25	
140+36.00	School	S4-3P	24 X 8		1.33	
	Speed Zone Ahead	W3-5a	36 X 36		9.00	
	20 Mph	W13-1P	18 X 18		2.25	
140+50.00	Reduced School Speed	S4-5	36 X 36	9.00	10.00	
142+98.00	School	S1-1	36 X 36		9.00	
143+00.00	School	S1-1	36 X 36	9.00	10.00	
	Ahead	W16-9P	24 X 12	2.00	10.00	
145+00.00	School	S4-3P	24 X 8	1.33	10.00	
	Speed Limit (School Use)	R2-1	24 X 30	5.00	10.00	
	When Children Are Present	S4-2P	24 X 10	1.67	10.00	
145+00.00	End School Zone	S5-2	24 X 30	5.00	10.00	
145+00.00	School	S4-3P	24 X 8		1.33	
	Speed Limit (School Use)	R2-1	24 X 30		5.00	
	When Children Are Present	S4-2P	24 X 10		1.67	
151+60.00	End School Zone	S5-2	24 X 30	5.00	10.00	
151+60.00	School	S4-3P	24 X 8	1.33	10.00	
	Speed Limit (School Use)	R2-1	24 X 30	5.00	10.00	
	When Children Are Present	S4-2P	24 X 10	1.67	10.00	
151+61.00	School	S4-3P	24 X 8		1.33	
	Speed Limit (School Use)	R2-1	24 X 30		5.00	
	When Children Are Present	S4-2P	24 X 10		1.67	
153+60.00	School	S1-1	36 X 36	9.00	10.00	
	Ahead	W16-9P	24 X 12	2.00	10.00	
154+81.00	School	S1-1	36 X 36		9.00	
156+10.00	Reduced School Speed	S4-5	36 X 36	9.00	10.00	
157+25.00	School	S4-3P	24 X 8		1.33	
	Speed Zone Ahead	W3-5a	36 X 36		9.00	
	20 Mph	W13-1P	18 X 18		2.25	
318+50.00	Intersection Warning	W2-1	30 X 30	6.25	10.00	
320+84.00	Intersection Warning	W2-1	30 X 30	6.25	10.00	
326+38.85	Reverse Curve Warning	W1-4	30 X 30		6.25	
331+00.00	Reverse Curve Warning	W1-4	30 X 30	6.25	10.00	
	35 Mph	W13-1P	18 X 18	2.25	10.00	
333+02.70	Chevrons	W1-8	18 X 24	3.00	10.00	
333+82.70	Chevrons	W1-8	18 X 24	3.00	10.00	
334+62.70	Chevrons	W1-8	18 X 24	3.00	10.00	
335+42.70	Chevrons	W1-8	18 X 24	3.00	10.00	
336+22.70	Chevrons	W1-8	18 X 24	3.00	10.00	
337+02.70	Chevrons	W1-8	18 X 24	3.00	10.00	
337+82.70	Chevrons	W1-8	18 X 24	3.00	10.00	
341+39.36	Chevrons	W1-8	18 X 24	3.00	10.00	
342+19.36	Chevrons	W1-8	18 X 24	3.00	10.00	
342+99.36	Chevrons	W1-8	18 X 24	3.00	10.00	
343+79.36	Chevrons	W1-8	18 X 24	3.00	10.00	
344+59.36	Chevrons	W1-8	18 X 24	3.00	10.00	
345+39.36	Chevrons	W1-8	18 X 24	3.00	10.00	
346+19.36	Chevrons	W1-8	18 X 24	3.00	10.00	
346+99.36	Chevrons	W1-8	18 X 24	3.00	10.00	
347+79.36	Chevrons	W1-8	18 X 24	3.00	10.00	
348+59.36	Chevrons	W1-8	18 X 24	3.00	10.00	
350+75.00	Reverse Curve Warning	W1-4	30 X 30	6.25	10.00	
	35 Mph	W13-1P	18 X 18	2.25	10.00	
353+04.09	Reverse Curve Warning	W1-4	30 X 30		6.25	

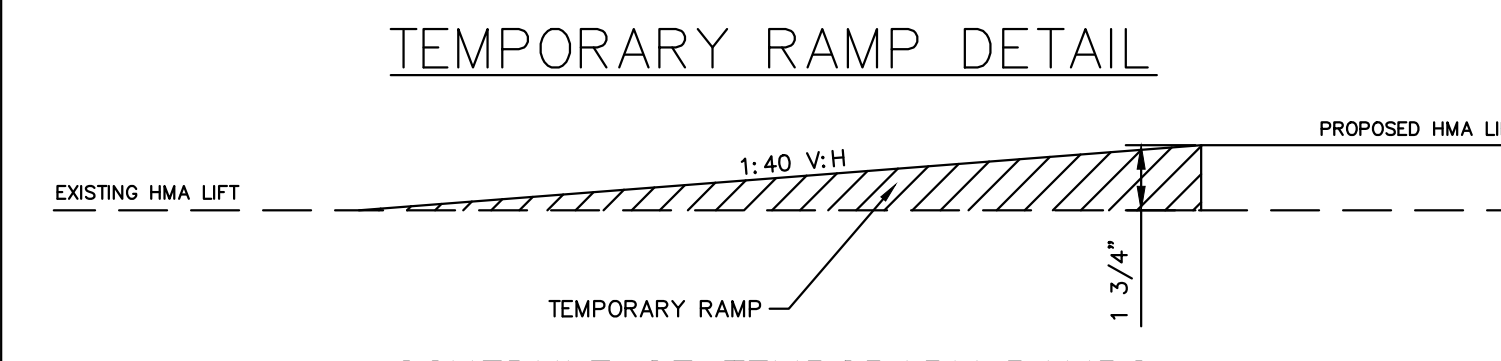


SCHEDULE OF SURFACE REMOVAL - BUTT JOINT

STATION TO	STATION	LENGTH	WIDTH	AREA (SQ YD)
13+17	13+67	50'	22'	122.2
124+45	124+95	50'	22'	122.2
125+15	125+65	50'	22'	122.2
381+31	381+81	50'	22'	122.2

TOTAL (SQ YD) = 488.8

THE ABOVE QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT IN THE SUMMARY OF QUANTITIES.



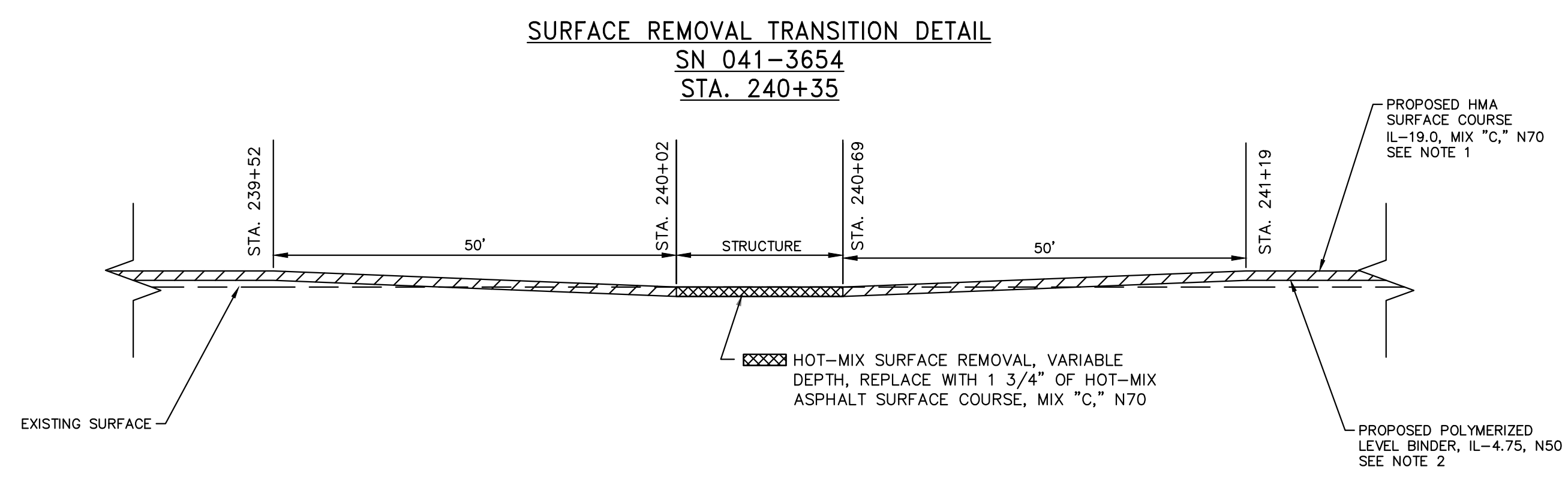
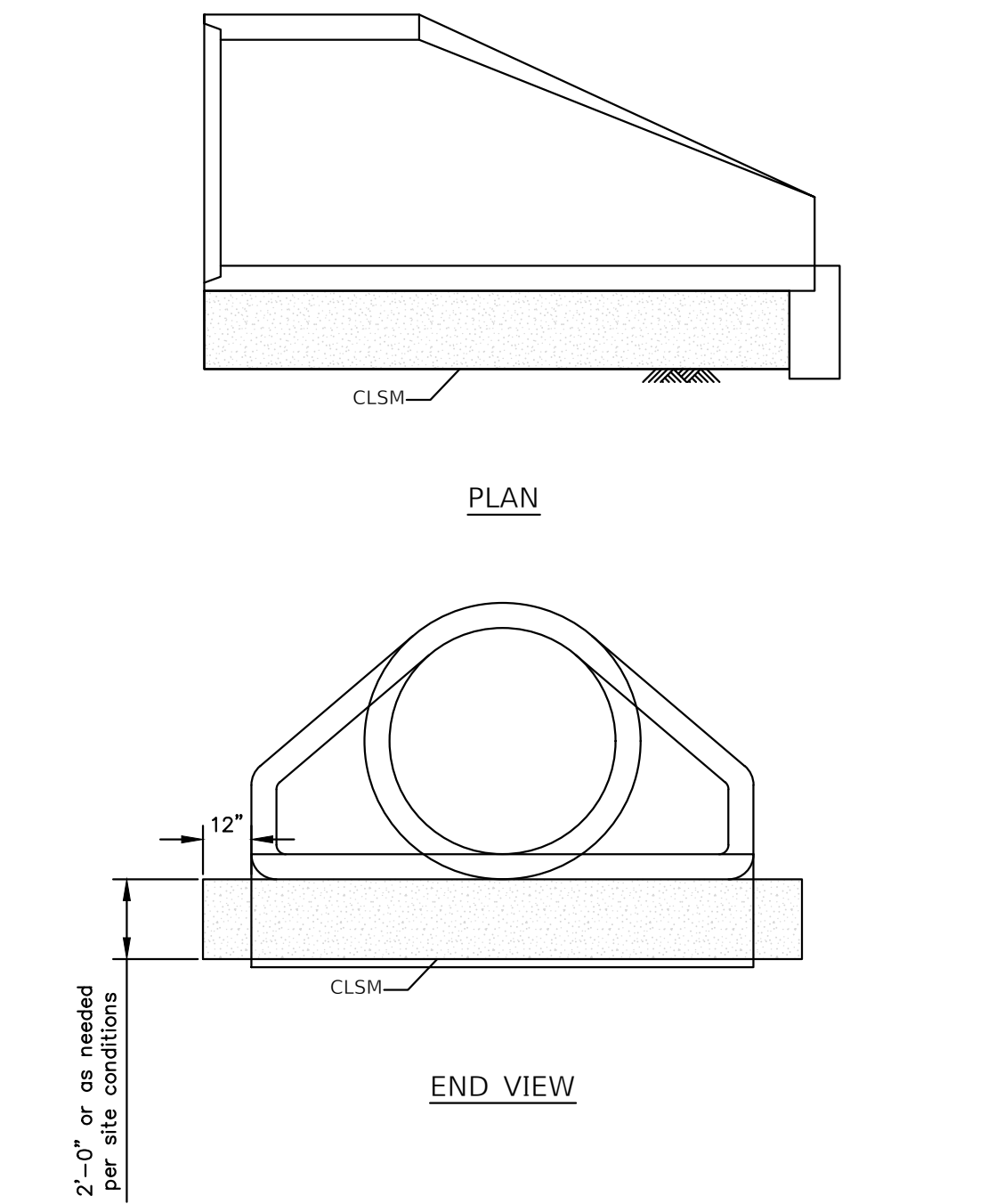
SCHEDULE OF TEMPORARY RAMPS

STATION TO	STATION	LENGTH	WIDTH	AREA (SQ YD)
13+17	13+47	6'	22'	14.6
381+31	381+61	6'	22'	14.7

TOTAL (TON) = 29.3

THE ABOVE QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT IN THE SUMMARY OF QUANTITIES.

PRECAST REINFORCED CONCRETE FLARED END SECTION DETAIL



1. THE HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH, SHALL EXTEND ACROSS THE ENTIRE LENGTH AND WIDTH OF THE BRIDGE. THE HOT-MIX ASPHALT SURFACE REMOVAL SHALL TRANSITION FROM 0" AT STA. 239+52 TO 1-3/4" AT STA. 240+02 AND FROM 1-3/4" AT STA. 240+69 TO 0" AT STA. 241+19.
2. LEVELING BINDER SHALL TAPER FROM 3/4" TO 0" FROM STA. 239+52 TO STA. 240+02 AND 0" TO 3/4" FROM STA. 240+69 TO STA. 241+19.

SCHEDULE OF SURFACE REMOVAL - VARIABLE DEPTH

STATION TO	STATION	LENGTH	WIDTH	AREA (SQ YD)
239+52	241+19	167'	22'	408.2

TOTAL (SQ YD) = 408.2

THE ABOVE QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH IN THE SUMMARY OF QUANTITIES.

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330	DESIGNED - XXX	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - XXX	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - XXX	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - XXX	REVISED - XXXX

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES AND MISCELLANEOUS DETAILS

SCALE: X"=XX' SHEET 2 OF 3 SHEETS STA. XXX+XX.XX TO STA. XXX+XX.XX

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	6
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		

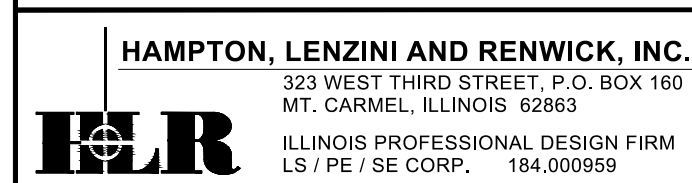
DRAINAGE SCHEDULE

LOCATION	20700110	20800150	28100105	28100107	44201723	50105220	5400100(1-7)	54002020	542A2761	54213681	59300100	X0325893*	X0358300**	X0900064	XX008385
STA CL	POROUS GRANULAR EMBANKMENT (TON)	TRENCH BACKFILL (CU YD)	STONE RIPRAP CLASS A3 (SQ YD)	STONE RIPRAP CLASS A4 (SQ YD)	CLASS D PATCHES, TYPE IV, 6 INCH (SQ YD)	PIPE CULVERT REMOVAL (FOOT)	BOX CULVERT END SECTIONS, NO. 1-7 (EACH)	EXPANSION BOLTS 3 / 4 INCH (EACH)	CLASS A, TYPE 4 36" (FOOT)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" (EACH)	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)	CLEAN END SECTION (EACH)	REMOVE AND RELAY (EACH)	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURE (SQ YD)	CONCRETE REMOVAL (SPECIAL) (EACH)
13+87											3.5	1	1		
39+92	7.0		44				2	14						14	1
52+25															
68+15															
77+21	11.0			85			2	18						8	1
120+34	22.0			55			2	18						14	1
131+35															
135+33															
152+34															
169+06	1.0	155			35.0	92	2		100	2					
188+31															
188+55															
193+56															
197+89															
207+55	1.2	86			25.0	74			63	2					
219+13															
226+84															
229+97															
240+36															
243+47															
253+87															
267+00											3.5	1	1		
289+53															
292+00													2		
321+81															
381+81															
381+87															
TOTALS	42.2	241	44	140	60.0	166	8	50	163	4	7	2	4	36	3

SEE HIGHWAY STANDARD 542201 FOR BOX CULVERT END SECTIONS NO. 4 (STA. 169+06)

*THE ABOVE QUANTITY REFLECTS APPROXIMATE LOCATION AND ESTIMATED QUANTITIES OF PIPE SECTIONS. THE ACTUAL AREAS SHALL BE LOCATED AND MARKED BY THE ENGINEER PRIOR TO REMOVAL. THE ABOVE QUANTITY IS INCLUDED IN CLEAN EXISTING END SECTION IN THE SUMMARY OF QUANTITIES.

**THE ABOVE QUANTITY REFLECTS APPROXIMATE LOCATION AND ESTIMATED QUANTITIES OF PIPE SECTIONS. THE ACTUAL AREAS SHALL BE LOCATED AND MARKED BY THE ENGINEER PRIOR TO REMOVAL. THE ABOVE QUANTITY IS INCLUDED IN REMOVE AND RELAY PIPE CULVERTS IN THE SUMMARY OF QUANTITIES.



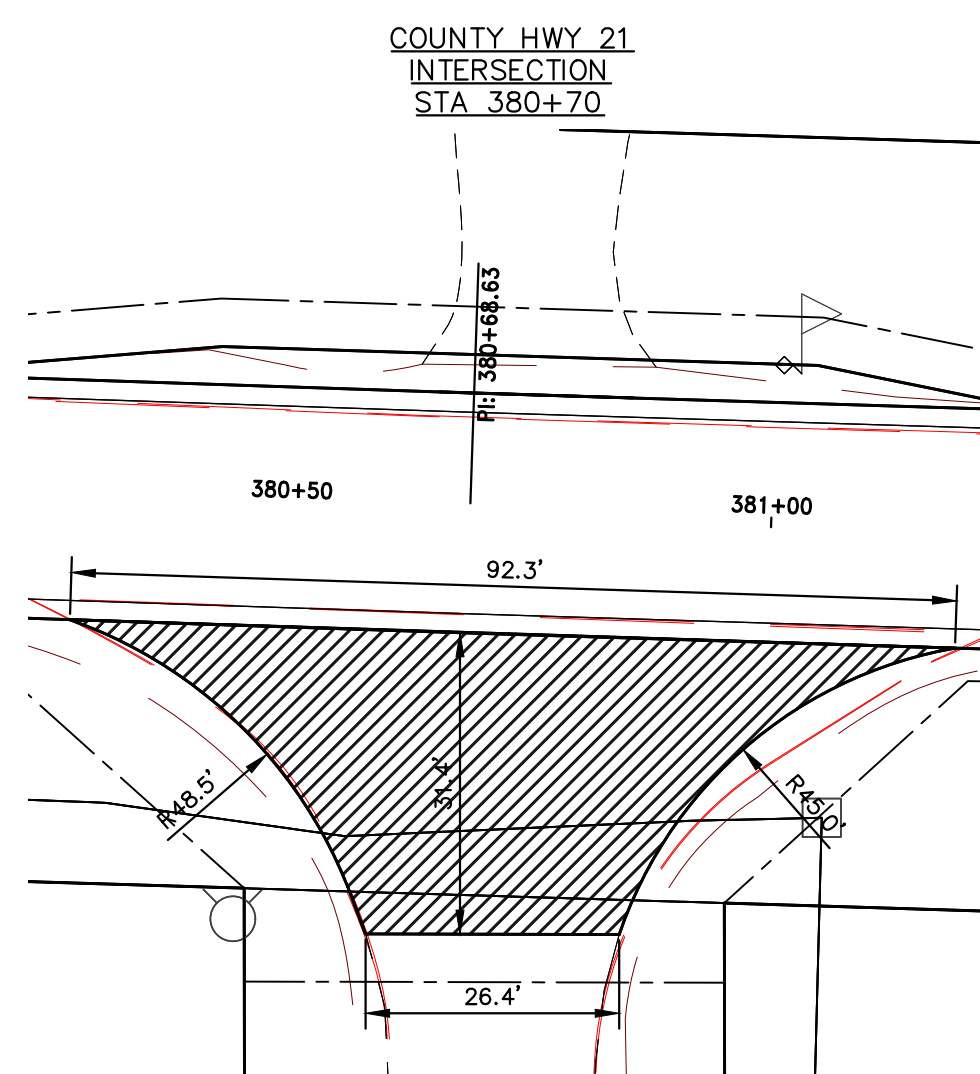
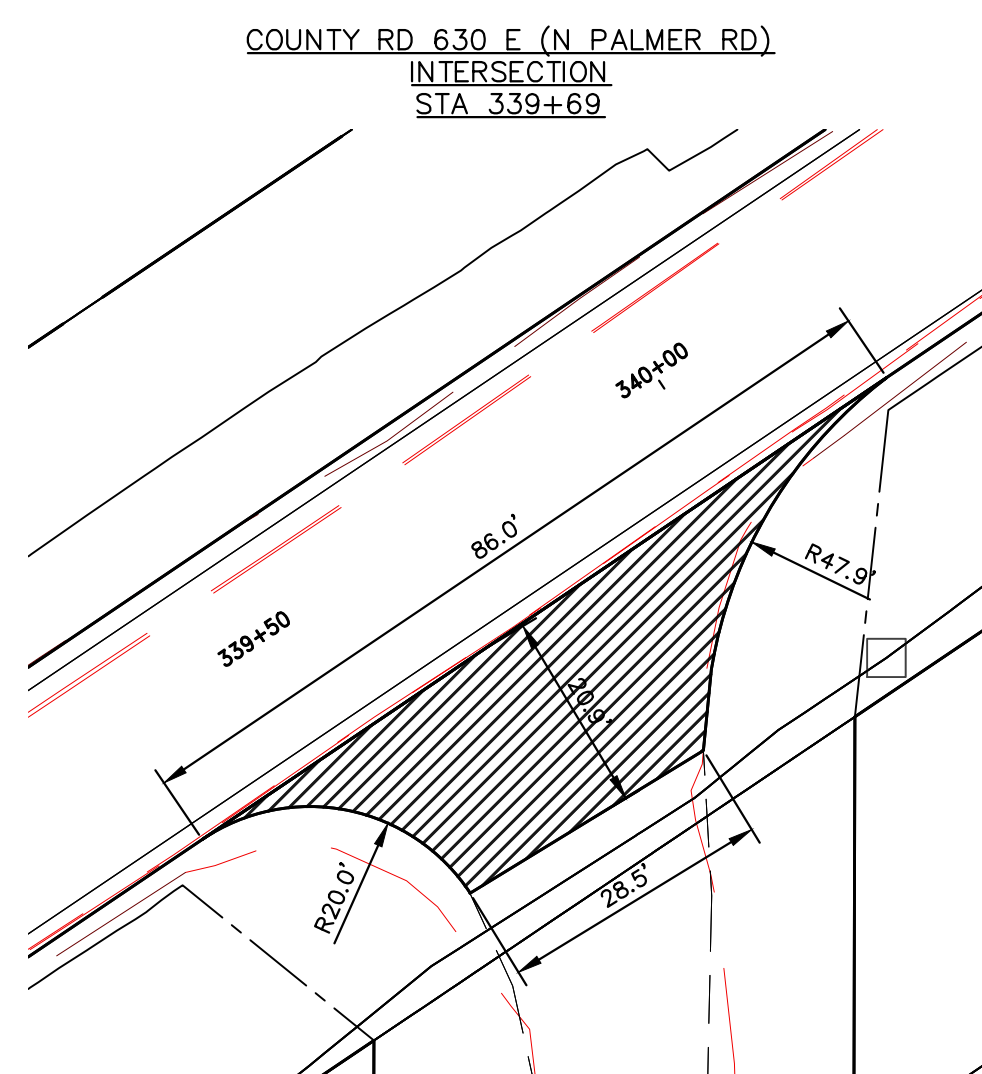
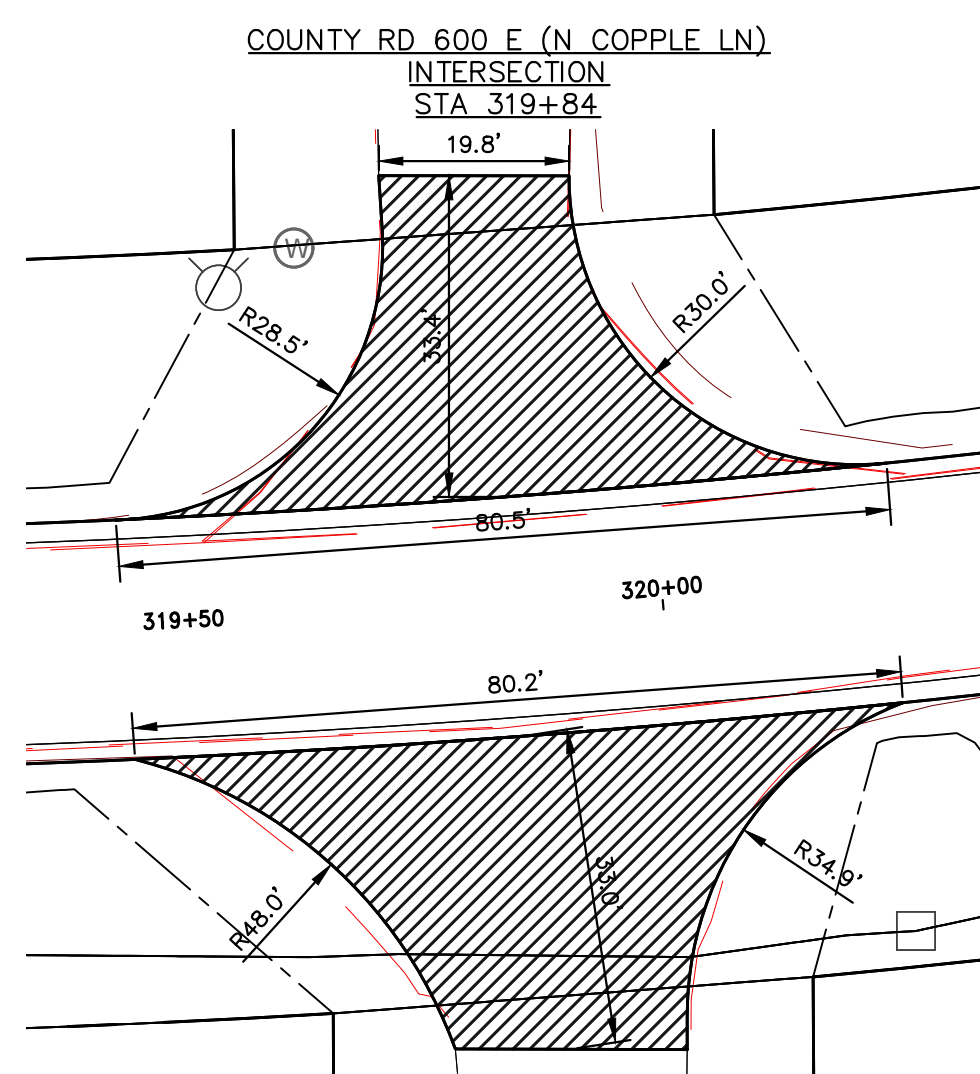
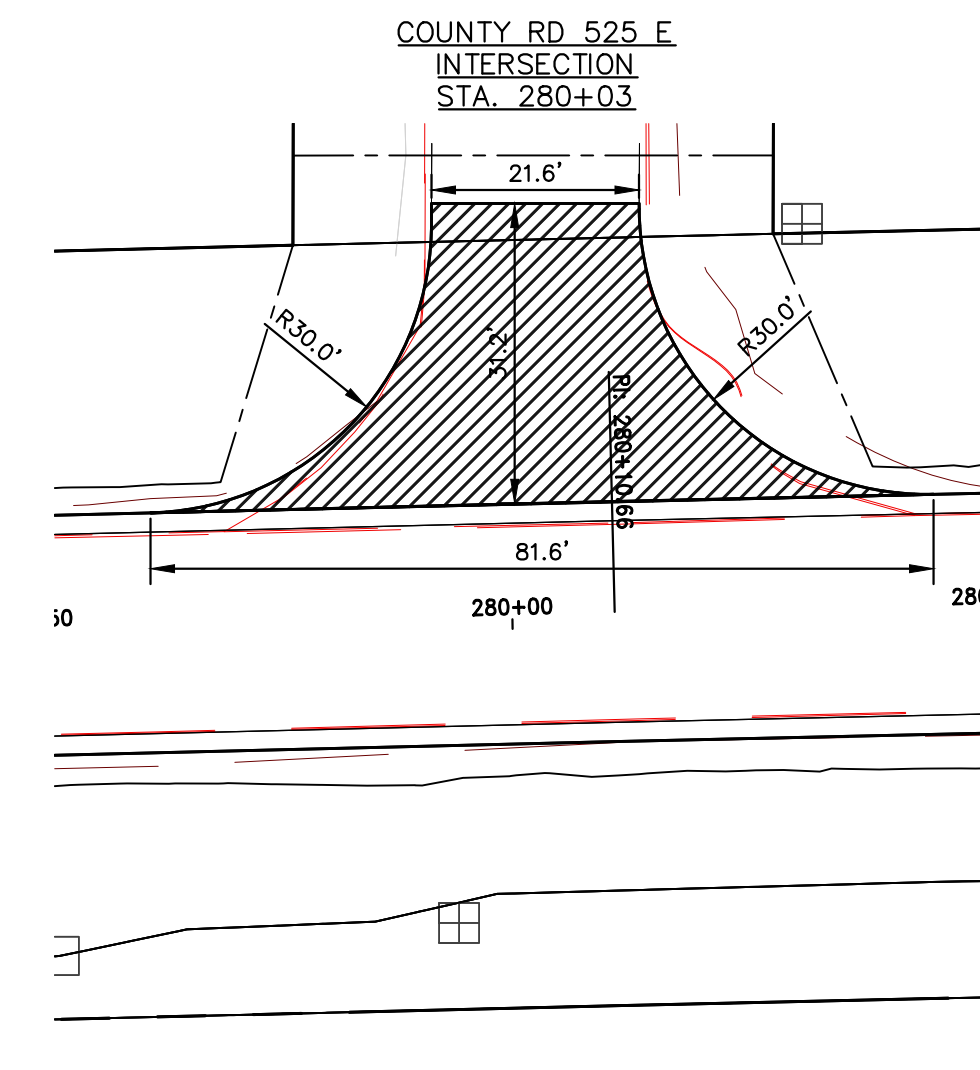
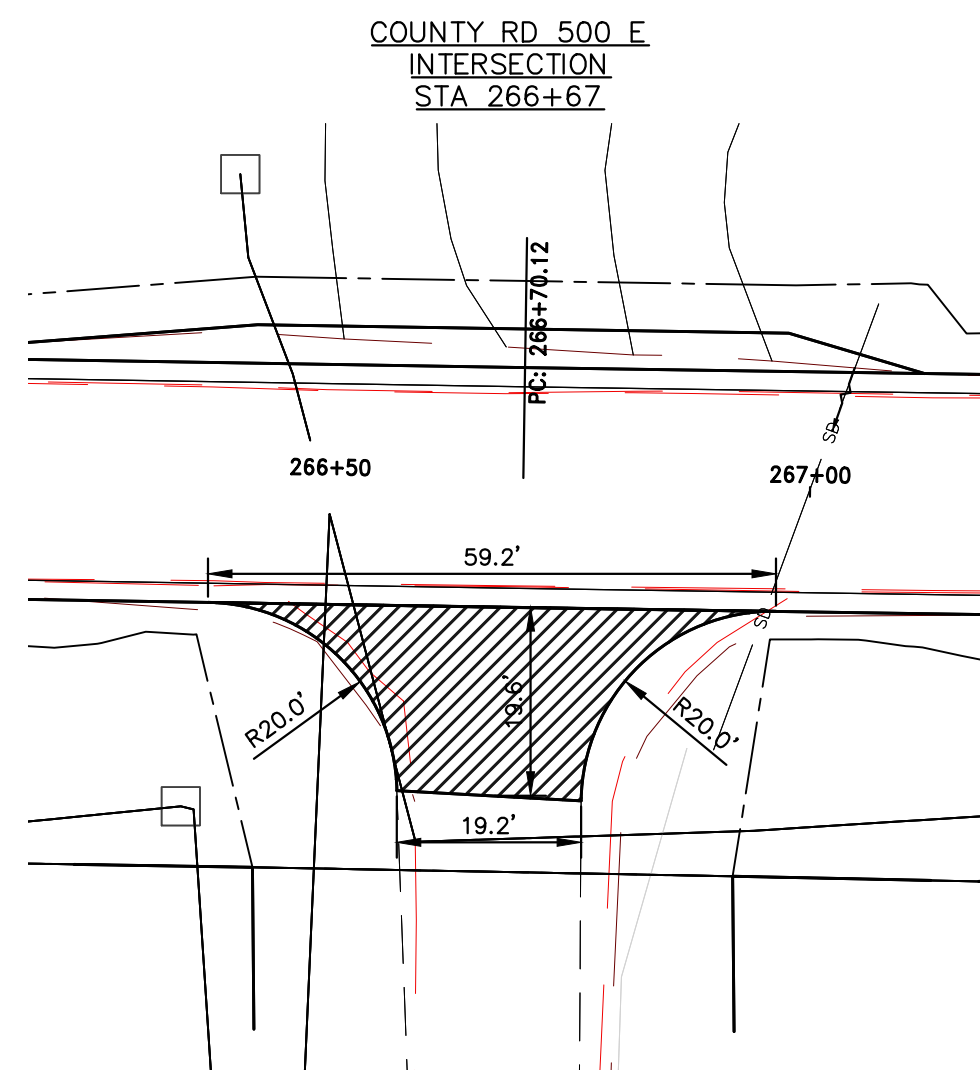
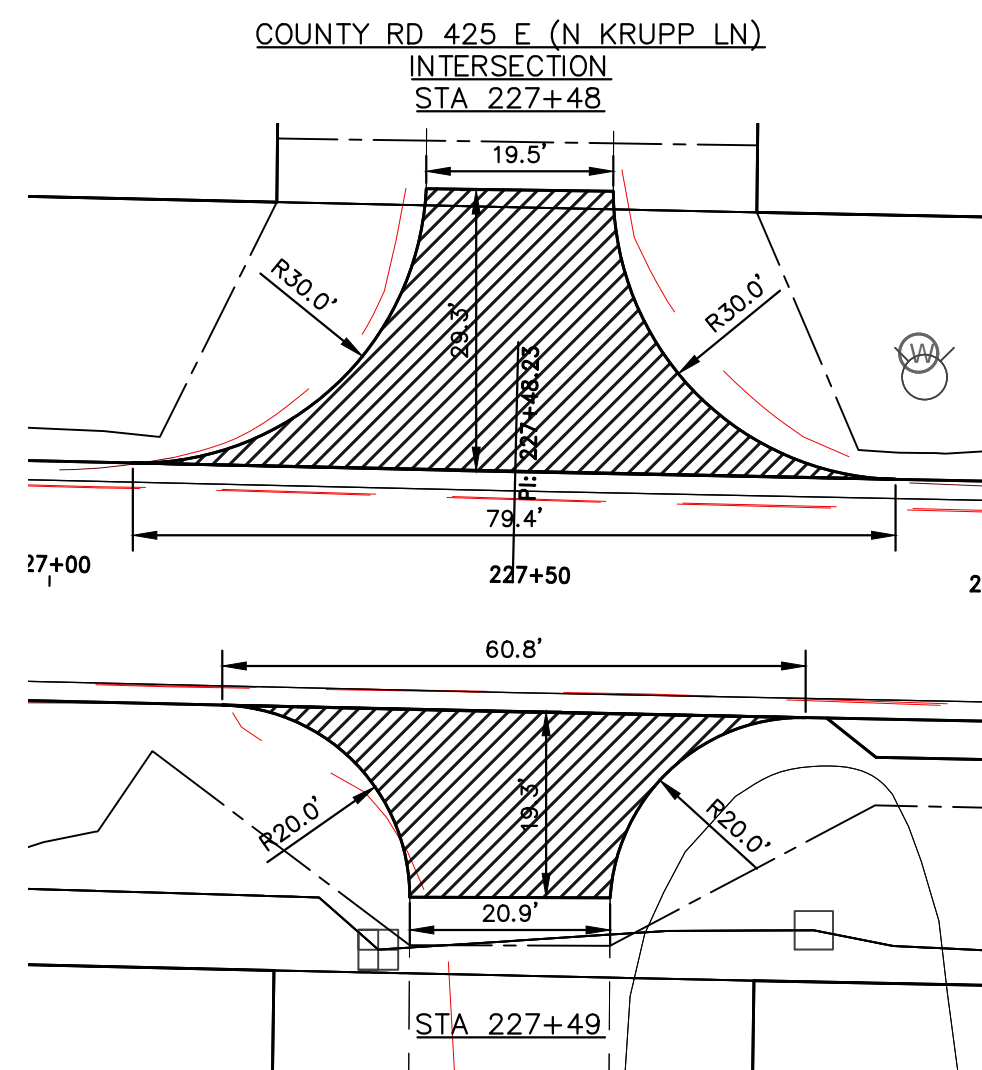
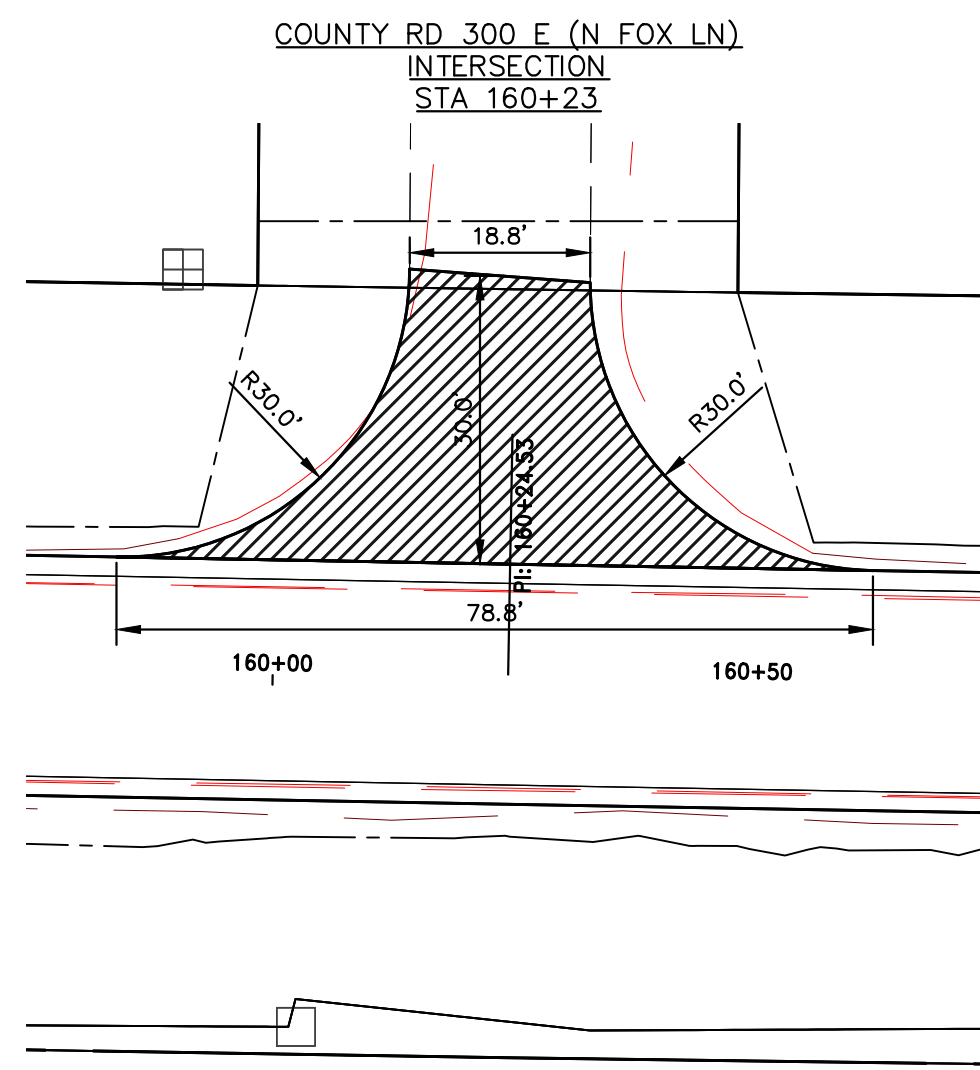
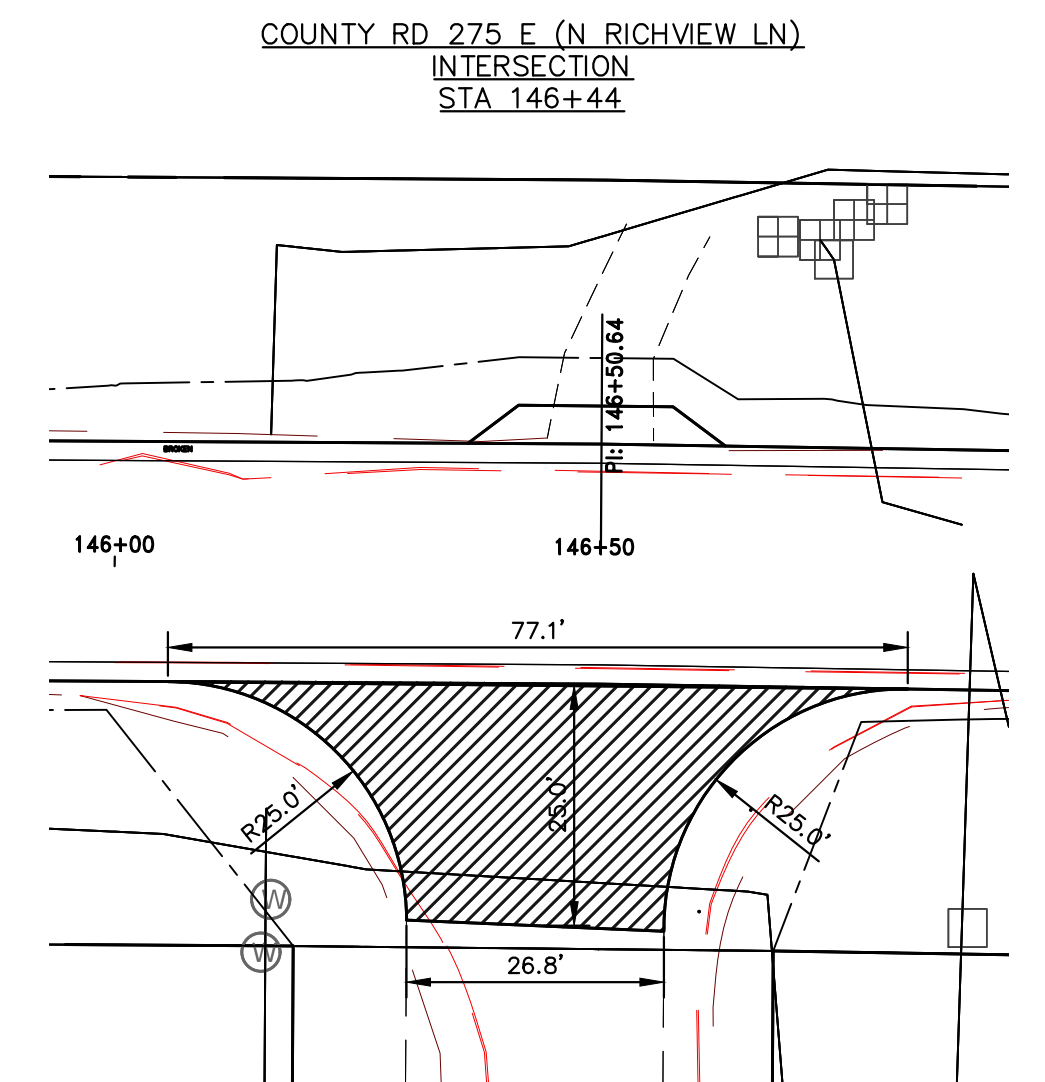
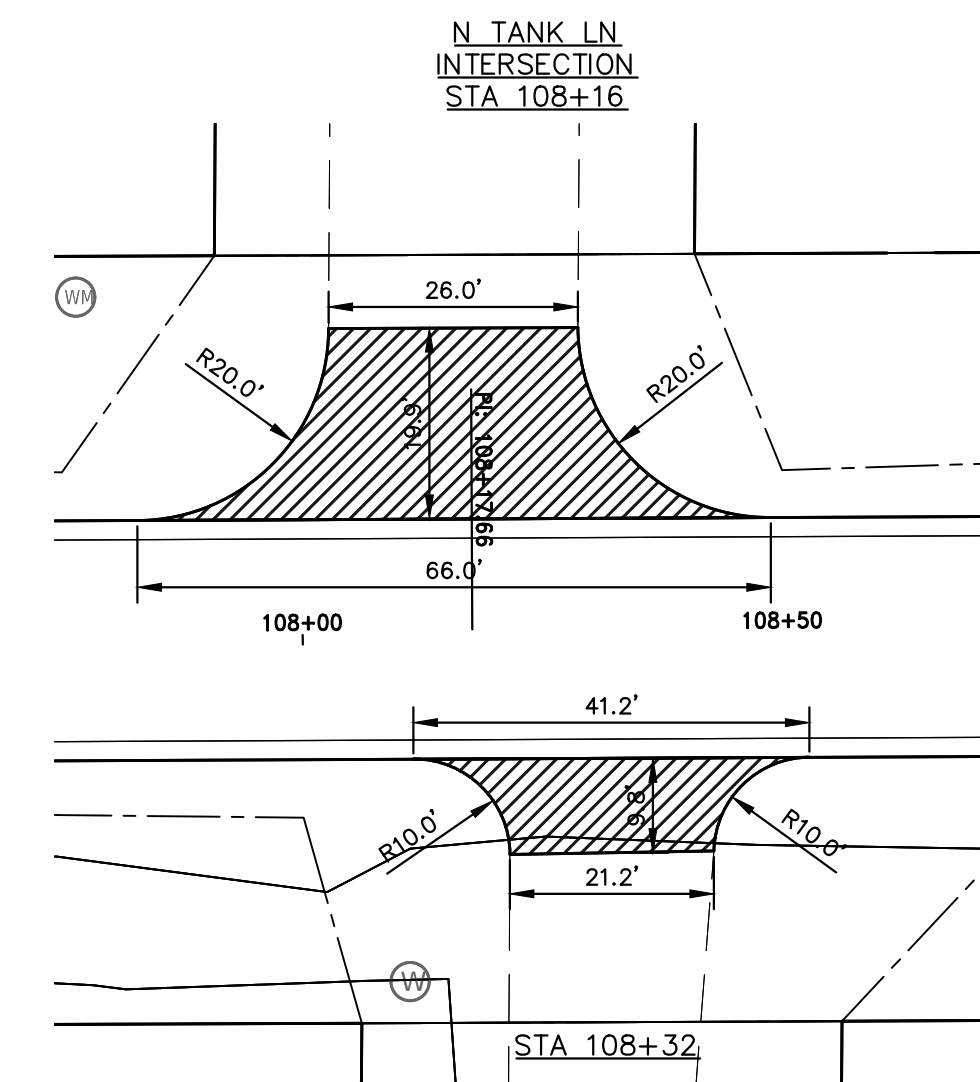
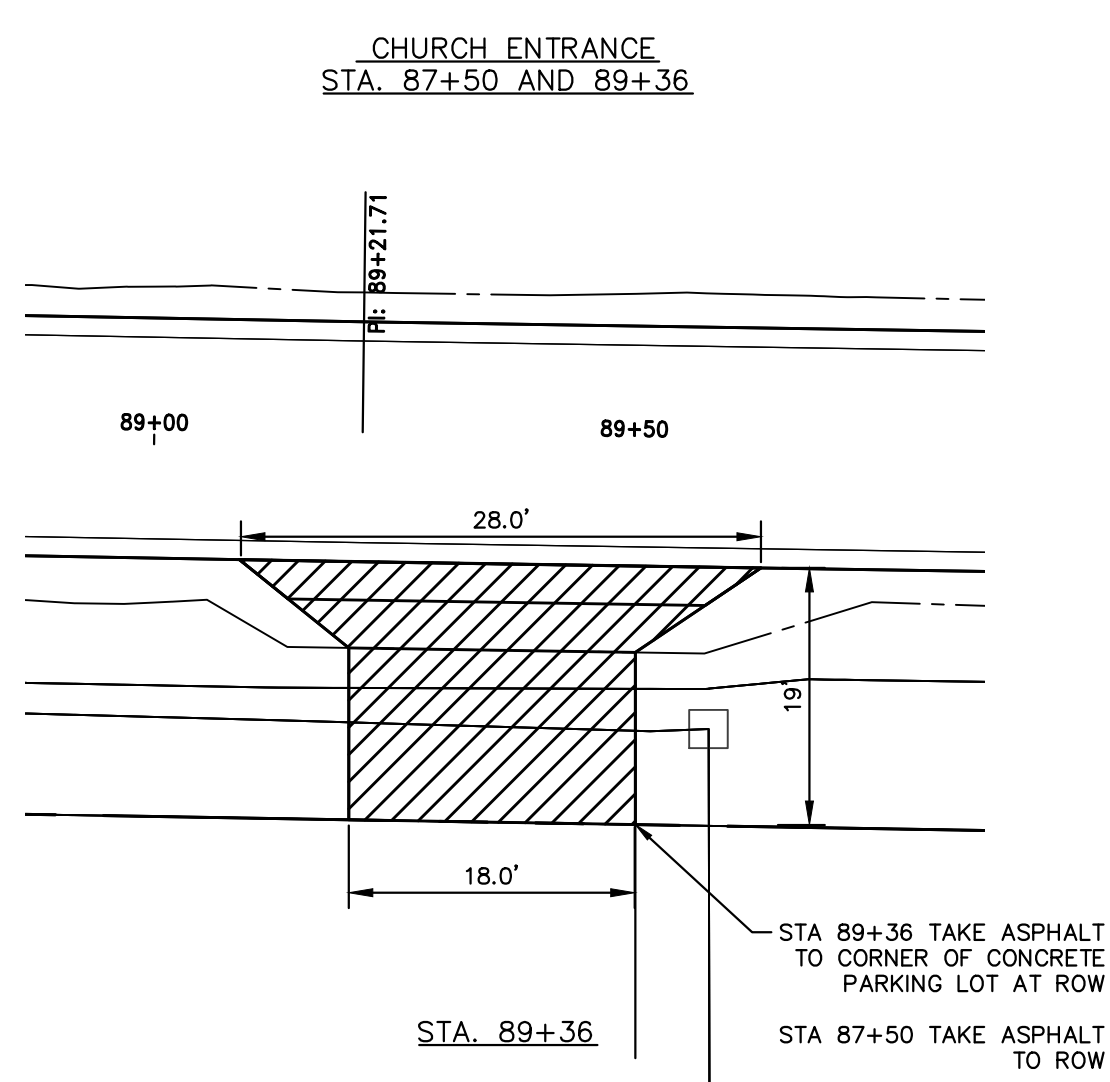
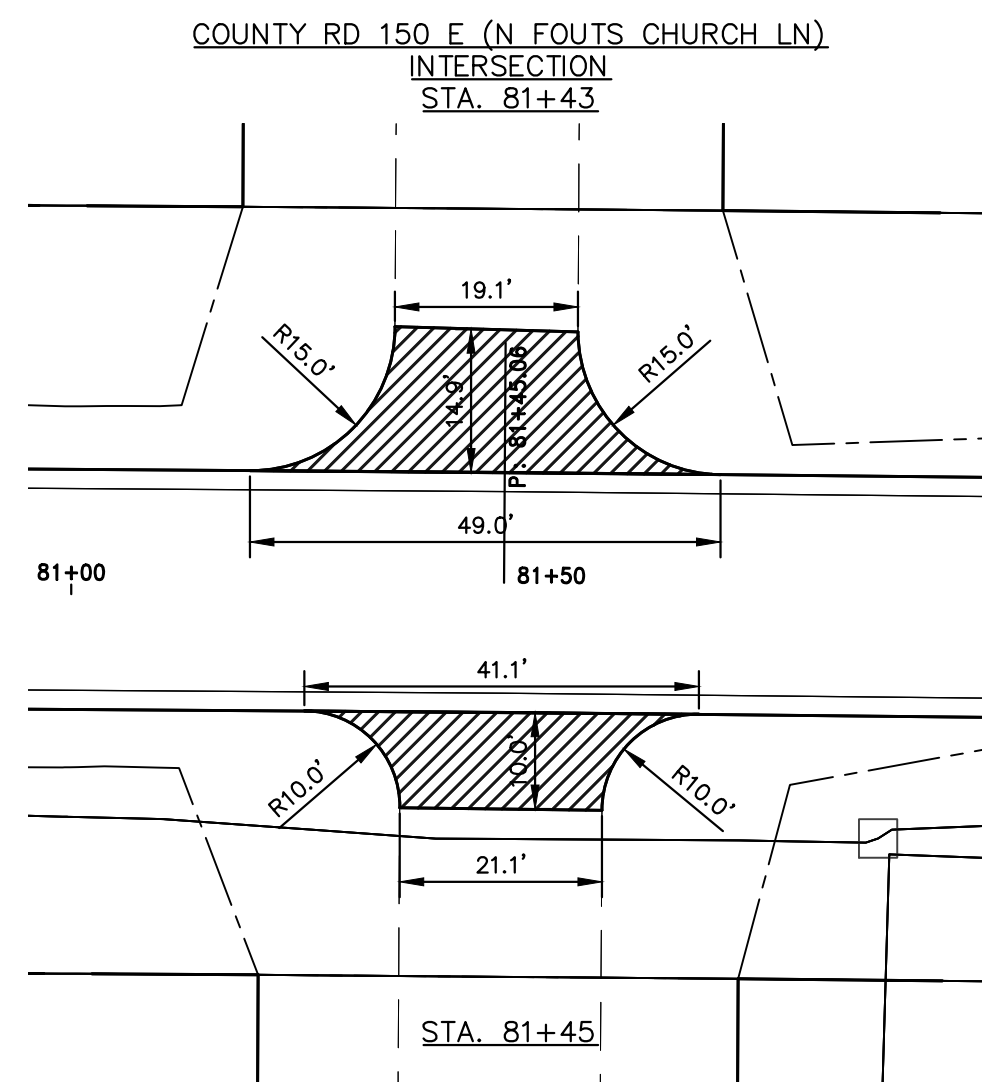
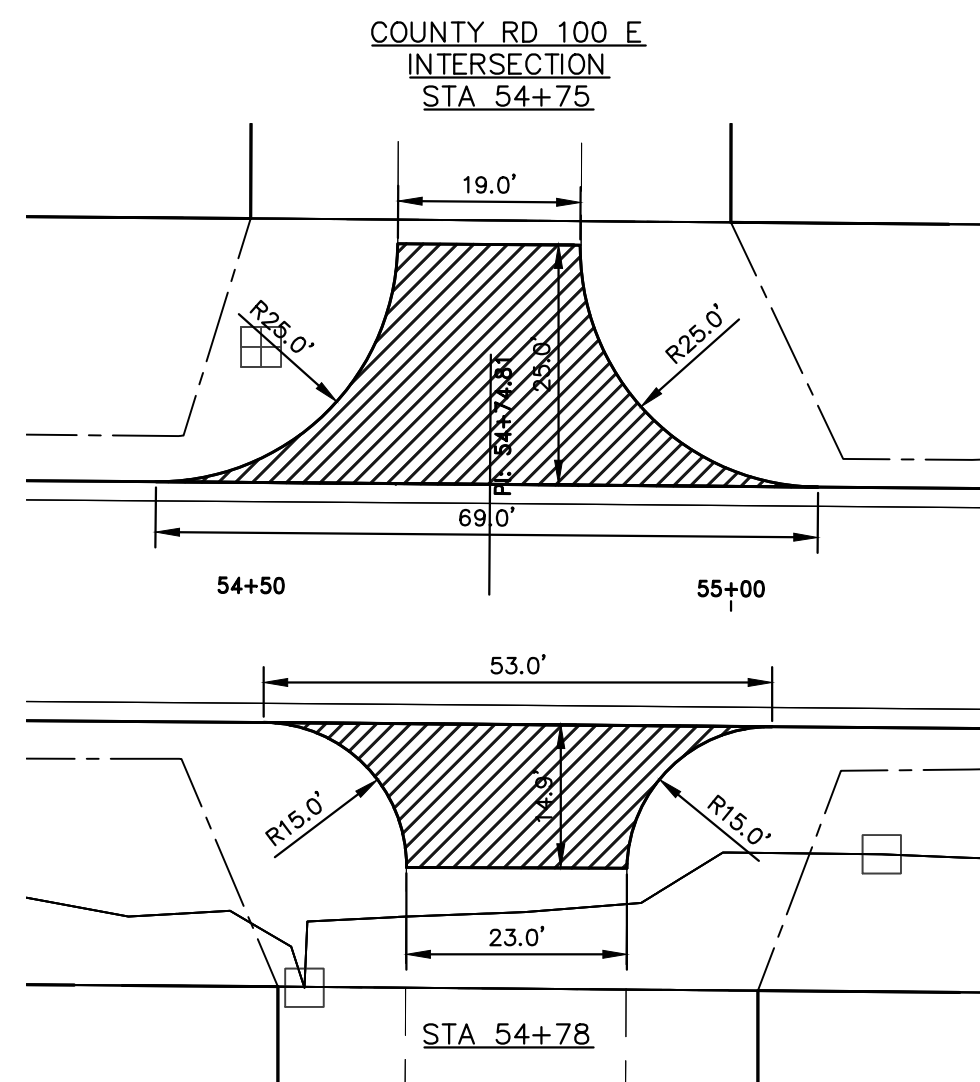
PROJECT NO. - 21.0097.330	DESIGNED - XXX	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - XXX	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - XXX	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - XXX	REVISED - XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES AND MISCELLANEOUS DETAILS

SCALE: X"=XX' SHEET 3 OF 3 SHEETS STA. XXX+XX.XX TO STA. XXX+XX.XX

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	7
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18		ILLINOIS FEDERAL AID PROJECT: A14M(523)		

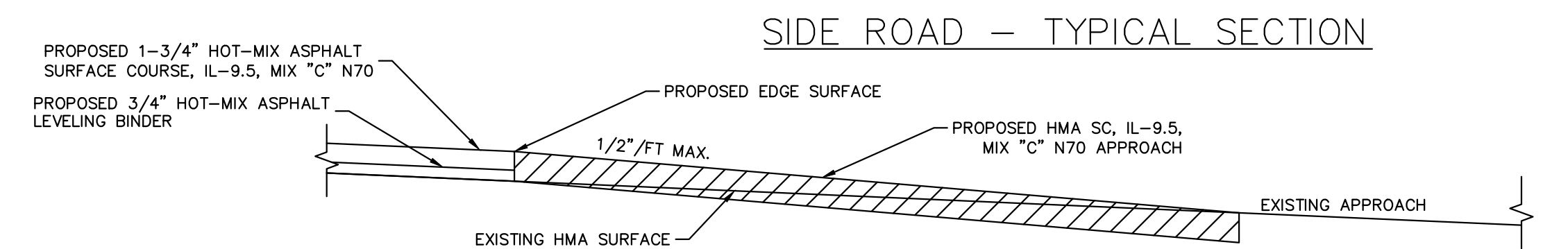


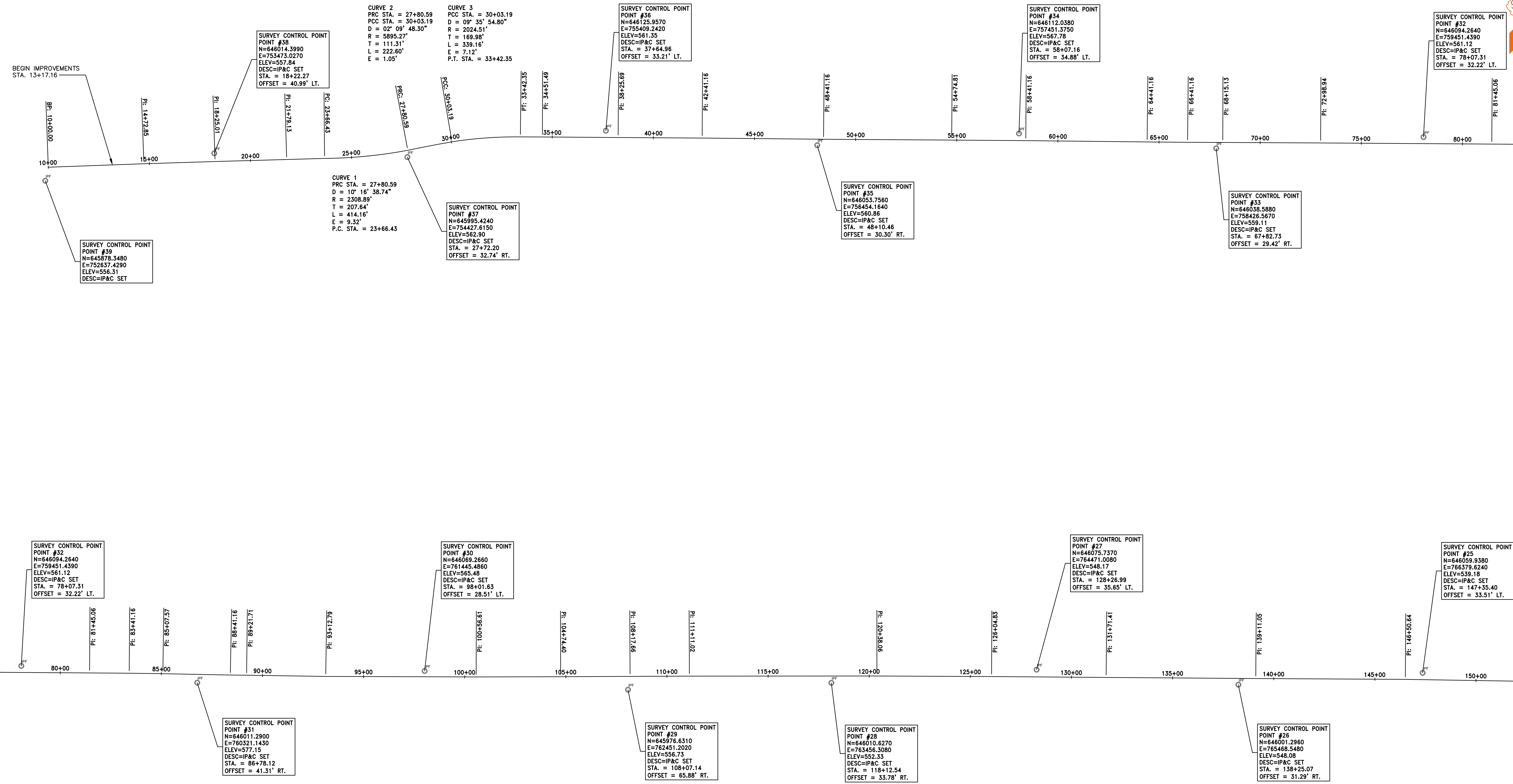
SCHEDULE OF SIDE ROADS

STATION	LOCATION	AREA (SQ. YD)	HMA SURFACE (TON)
54+75	LT	82.67	11.57
54+78	RT	48.89	6.84
81+43	LT	42.44	5.94
81+45	RT	28.33	3.97
108+16	LT	76.56	10.72
108+32	RT	28.00	3.92
146+44	RT	104.44	14.62
160+23	LT	105.67	14.79
227+48	LT	106.22	14.87
227+49	RT	64.00	8.96
266+67	RT	61.00	8.54
280+03	LT	118.11	16.54
319+84	LT	115.11	16.12
319+84	RT	120.00	16.80
339+69	RT	87.22	12.21
380+70	RT	132.22	18.51

TOTAL (TONS) = 184.92

NOTE: QUANTITY SHOWN SHALL BE INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE, IL19.0, MIX "C".





HAMPTON, LENZI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

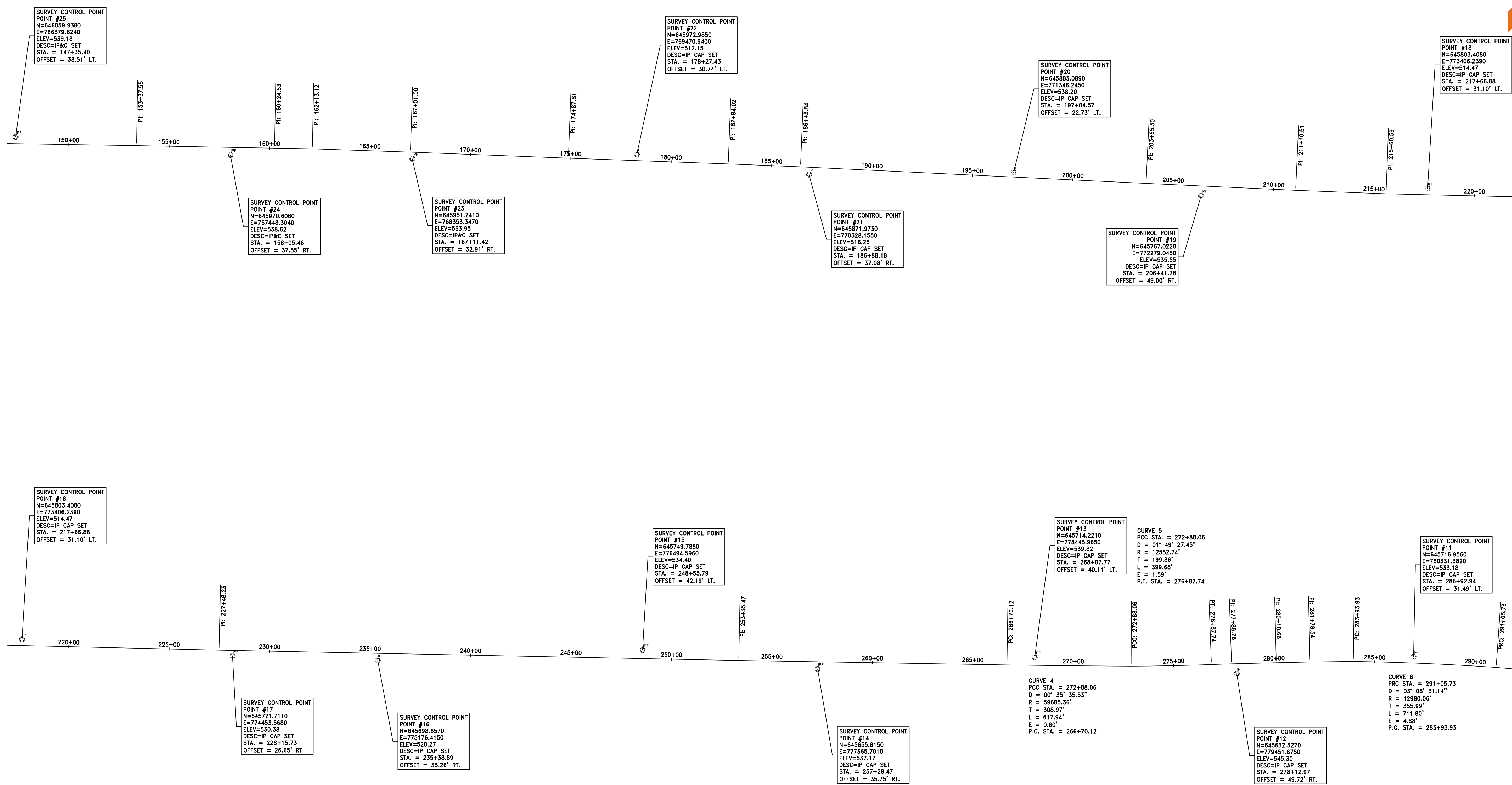
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/08/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=250' SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 150+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	9
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



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 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

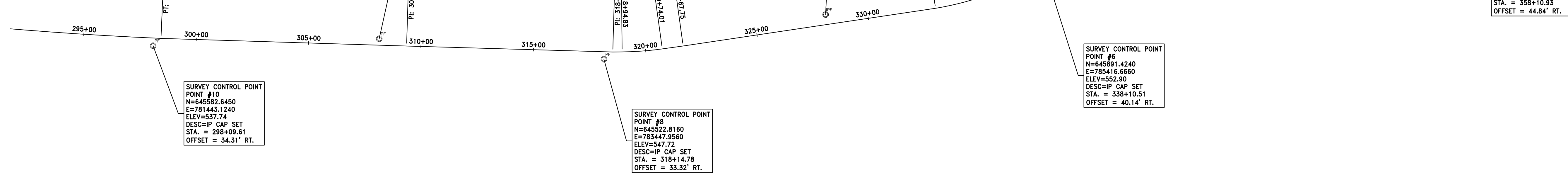
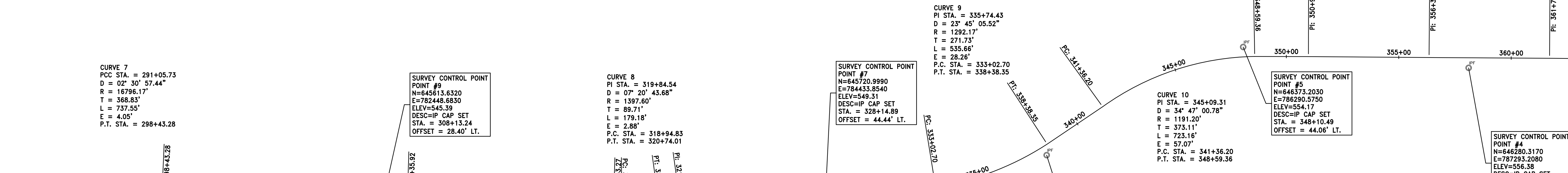
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - XXX	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - SEK	REVISED - XXXX
PLOT DATE - 06/08/2021	DATE - SAA	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=250' SHEET 2 OF 3 SHEETS STA. 150+00.00 TO STA. 290+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	10
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



CURVE 7
 PCC STA. = 291+05.73
 D = 02° 30' 57.44"
 R = 16796.17'
 T = 368.83'
 L = 737.55'
 E = 4.05'
 P.T. STA. = 298+43.28

SURVEY CONTROL POINT #9
 N=645613.6320
 E=782448.6830
 ELEV=545.39
 DESC=IP CAP SET
 STA. = 308+13.24
 OFFSET = 28.40' LT.

CURVE 8
 PI STA. = 319+84.54
 D = 07° 20' 43.68"
 R = 1397.60'
 T = 89.71'
 L = 179.18'
 E = 2.88'
 P.C. STA. = 318+94.83
 P.T. STA. = 320+74.01

SURVEY CONTROL POINT #7
 N=645720.9990
 E=784443.8540
 ELEV=549.31
 DESC=IP CAP SET
 STA. = 328+14.89
 OFFSET = 44.44' LT.

CURVE 9
 PI STA. = 335+74.43
 D = 23° 45' 05.52"
 R = 1292.17'
 T = 271.73'
 L = 535.66'
 E = 28.26'
 P.C. STA. = 333+02.70
 P.T. STA. = 338+38.35

CURVE 10
 PI STA. = 345+09.31
 D = 34° 47' 00.78"
 R = 1191.20'
 T = 373.11'
 L = 723.16'
 E = 57.07'
 P.C. STA. = 341+36.20
 P.T. STA. = 348+59.56

SURVEY CONTROL POINT #5
 N=646373.2030
 E=786290.5750
 ELEV=554.17
 DESC=IP CAP SET
 STA. = 348+10.49
 OFFSET = 44.06' LT.

SURVEY CONTROL POINT #4
 N=646280.3170
 E=787293.2080
 ELEV=556.38
 DESC=IP CAP SET
 STA. = 358+10.93
 OFFSET = 44.84' RT.

SURVEY CONTROL POINT #10
 N=645582.6450
 E=781443.1240
 ELEV=537.74
 DESC=IP CAP SET
 STA. = 298+09.61
 OFFSET = 34.31' RT.

SURVEY CONTROL POINT #8
 N=645522.8160
 E=783447.8560
 ELEV=547.72
 DESC=IP CAP SET
 STA. = 318+14.78
 OFFSET = 33.32' RT.

SURVEY CONTROL POINT #6
 N=645891.4240
 E=785416.6660
 ELEV=552.90
 DESC=IP CAP SET
 STA. = 338+10.51
 OFFSET = 40.14' RT.

SURVEY CONTROL POINT #3
 N=646354.5760
 E=788295.7630
 ELEV=557.74
 DESC=IP CAP SET
 STA. = 368+12.28
 OFFSET = 39.35' LT.

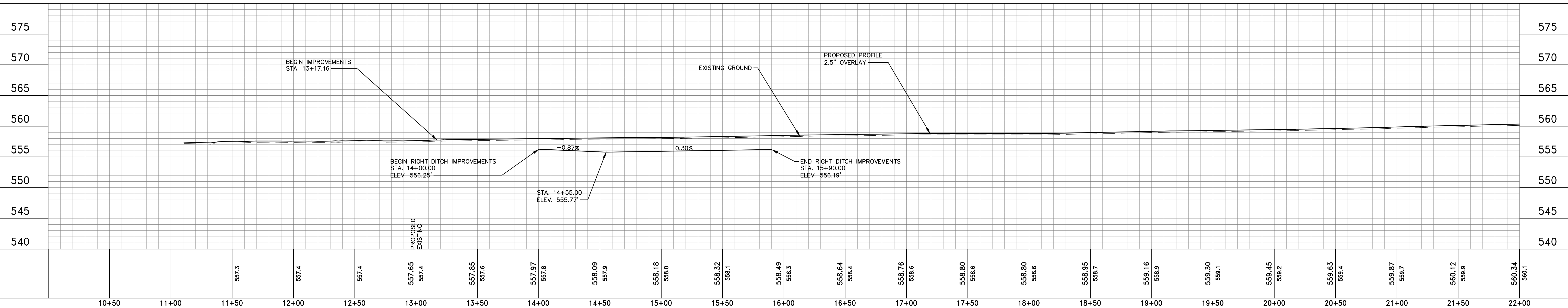
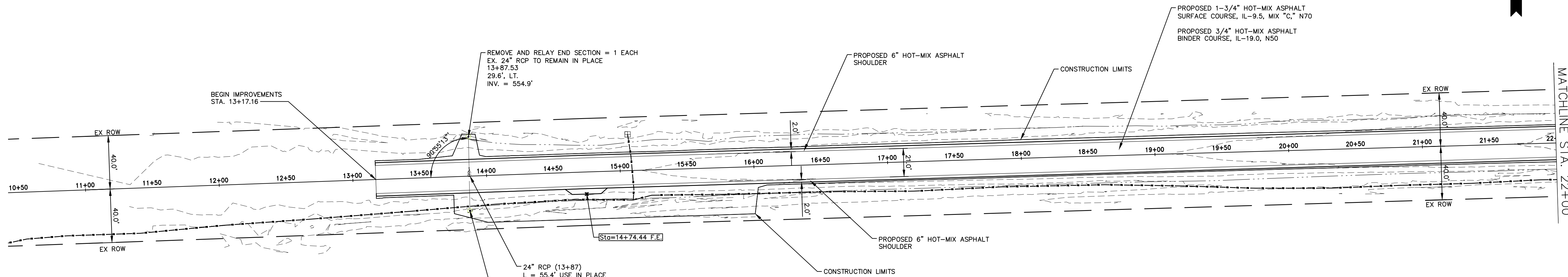
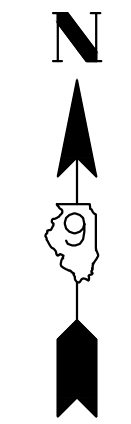
SURVEY CONTROL POINT #1
 N=646298.8130
 E=788800.9140
 ELEV=552.93
 DESC=IP CAP SET
 STA. = 383+18.21
 OFFSET = 30.72' LT.

SURVEY CONTROL POINT #4
 N=646280.3170
 E=787293.2080
 ELEV=556.38
 DESC=IP CAP SET
 STA. = 358+10.93
 OFFSET = 44.84' RT.

SURVEY CONTROL POINT #2
 N=646246.7260
 E=789293.0440
 ELEV=554.03
 DESC=IP CAP SET
 STA. = 378+12.30
 OFFSET = 37.75' RT.

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - XXX	REVISED - XXXX
PLOT SCALE - X"=XX'	CHECKED - SEK	REVISED - XXXX
PLOT DATE - 06/08/2021	DATE - SAA	REVISED - XXXX

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	11
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00
		557.3	557.4	557.4	557.65 557.4	557.85 557.6	557.97 557.8	558.09 557.9	558.18 558.0	558.32 558.1	558.49 558.3	558.64 558.4	558.76 558.6	558.80 558.6	558.80 558.6	558.95 558.7	559.16 558.9	559.30 559.1	559.45 559.2	559.63 559.4	559.87 559.7	560.12 559.9	560.34 560.1

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 LS / PE / SE CORP. 184.000959

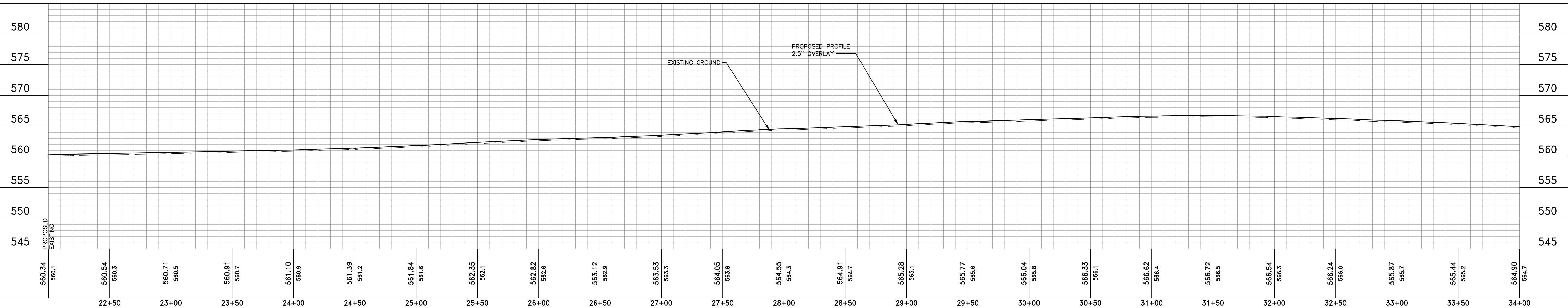
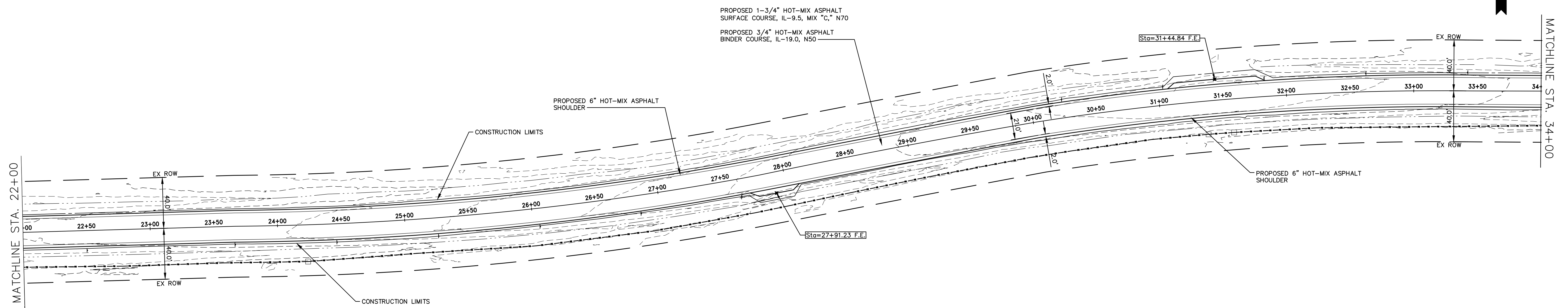
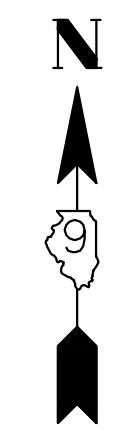
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 1 OF 31 SHEETS STA. 10+00.00 TO STA. 22+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	12
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



560.34 560.1	560.54 560.3	560.71 560.5	560.91 560.7	561.10 560.9	561.39 561.2	561.84 561.6	562.35 562.1	562.82 562.6	563.12 562.9	563.53 563.3	564.05 563.8	564.55 564.3	564.91 564.7	565.28 565.1	565.77 565.6	566.04 565.8	566.33 566.1	566.62 566.4	566.72 566.5	566.54 566.3	566.24 566.0	565.87 565.7	565.44 565.2	564.90 564.7
22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	

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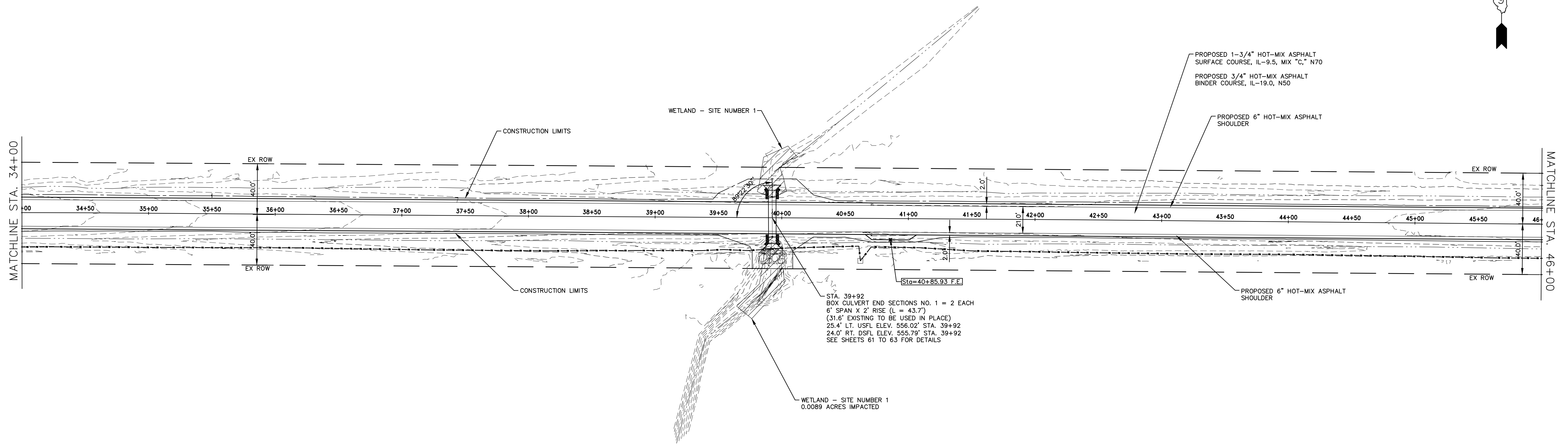
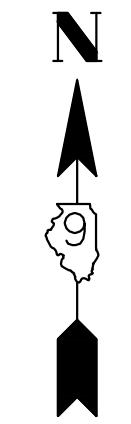
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 2 OF 31 SHEETS STA. 22+00.00 TO STA. 34+00.00

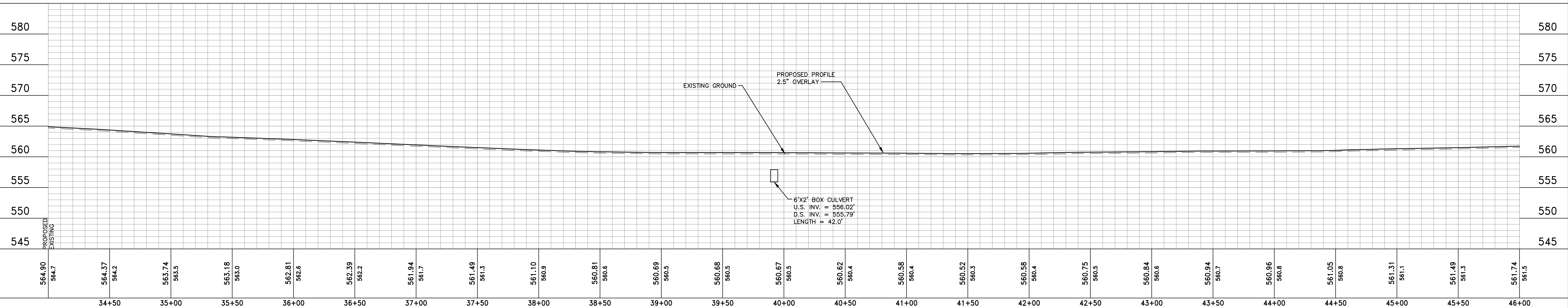
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	13
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



STA. 39+92
 BOX CULVERT END SECTIONS NO. 1 = 2 EACH
 6' SPAN X 2' RISE (L = 43.7')
 (31.6' EXISTING TO BE USED IN PLACE)
 25.4' LT. USFL ELEV. 556.02' STA. 39+92
 24.0' RT. DSFL ELEV. 555.79' STA. 39+92
 SEE SHEETS 61 TO 63 FOR DETAILS

WETLAND - SITE NUMBER 1
 0.0089 ACRES IMPACTED

Sta=40+85.93 F.E.



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
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 ILLINOIS PROFESSIONAL DESIGN FIRM
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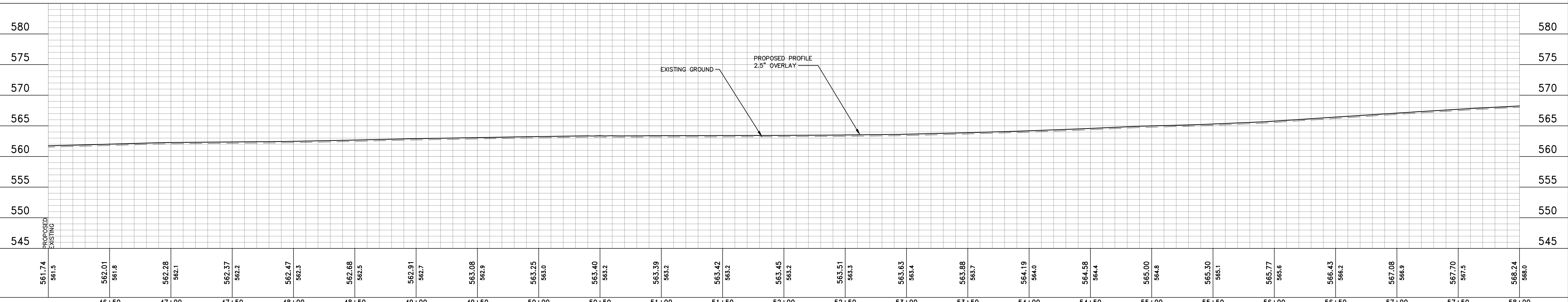
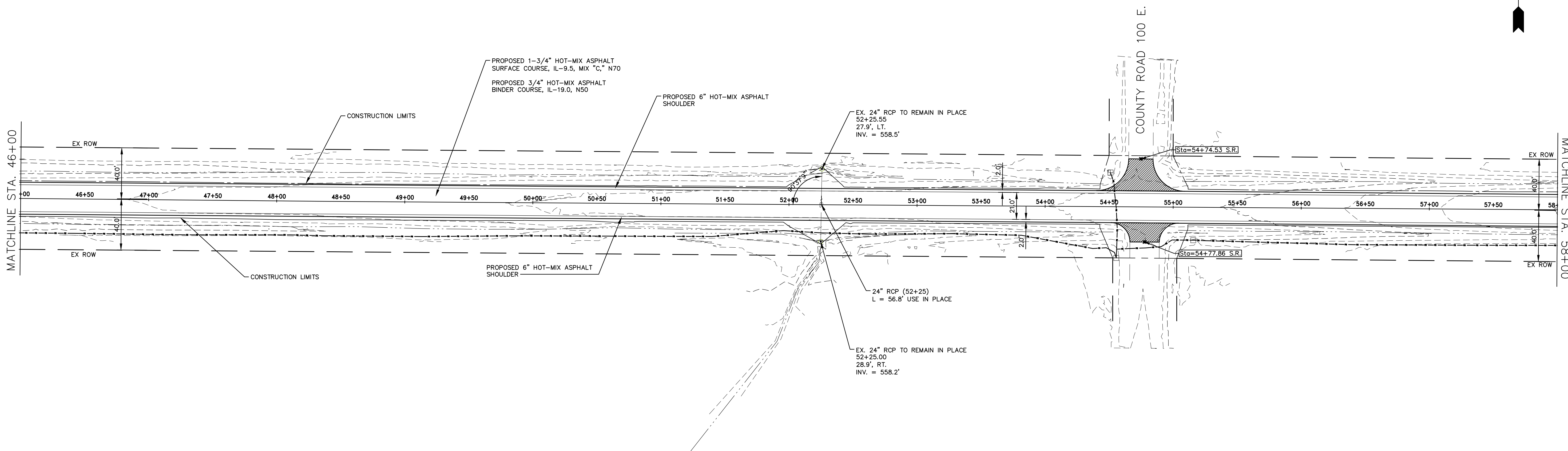
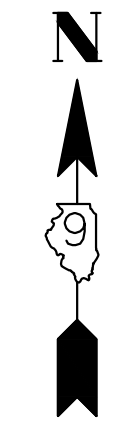
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 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

SCALE: 1"=40'
 SHEET 3 OF 31 SHEETS
 STA. 34+00.00 TO STA. 46+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	14
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



561.74 561.5	562.01 561.8	562.28 562.1	562.37 562.2	562.47 562.3	562.68 562.5	562.91 562.7	563.08 562.9	563.25 563.0	563.40 563.2	563.39 563.2	563.42 563.2	563.45 563.2	563.51 563.3	563.63 563.4	563.88 563.7	564.19 564.0	564.58 564.4	565.00 564.8	565.30 565.1	565.77 565.6	566.43 566.2	567.08 566.9	567.70 567.5	568.24 568.0
46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50	58+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

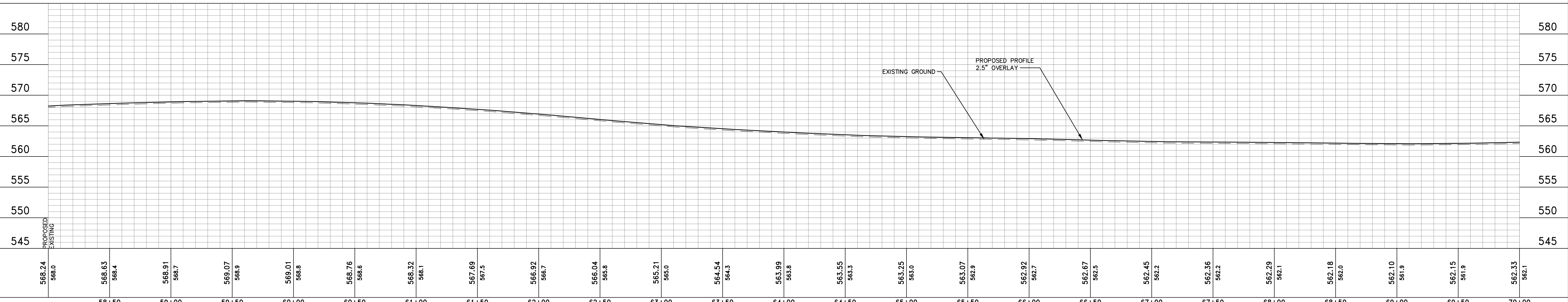
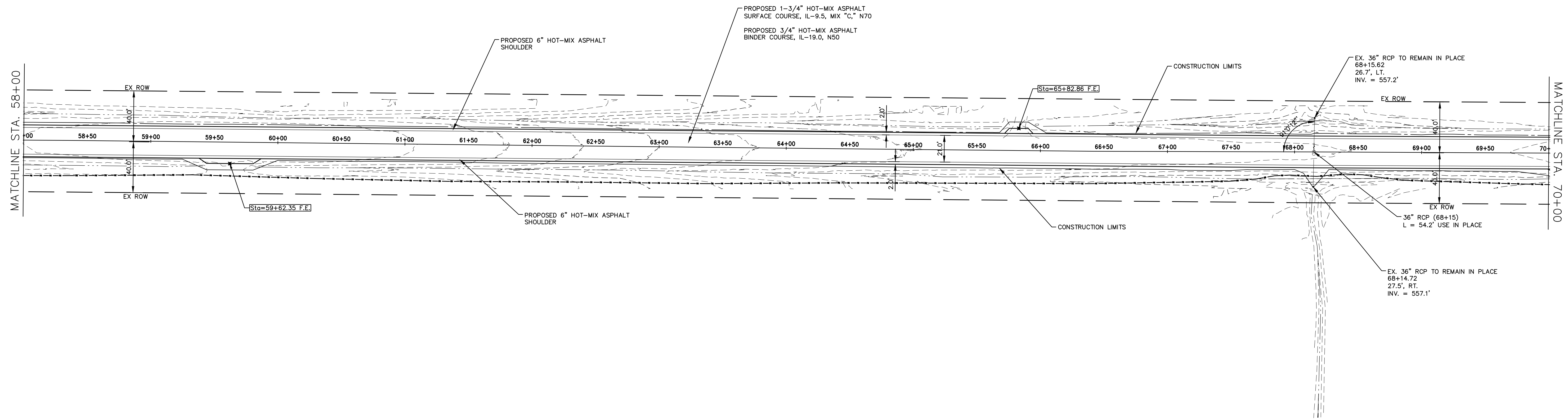
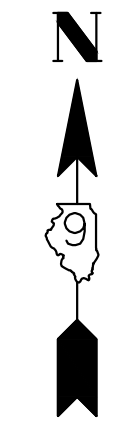
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 4 OF 31 SHEETS STA. 46+00.00 TO STA. 58+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	15
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18		ILLINOIS FEDERAL AID PROJECT: A14M(523)		



568.24 568.0	568.63 568.4	568.91 568.7	569.07 568.9	569.01 568.8	568.76 568.6	568.32 568.1	567.69 567.5	566.92 566.7	566.04 565.8	565.21 565.0	564.54 564.3	563.99 563.8	563.55 563.3	563.25 563.0	563.07 562.9	562.92 562.7	562.67 562.5	562.45 562.2	562.36 562.2	562.29 562.1	562.18 562.0	562.10 561.9	562.15 561.9	562.33 562.1
58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00	63+50	64+00	64+50	65+00	65+50	66+00	66+50	67+00	67+50	68+00	68+50	69+00	69+50	70+00	

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 323 WEST THIRD STREET, P.O. BOX 160
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 LS / PE / SE CORP. 184.000959

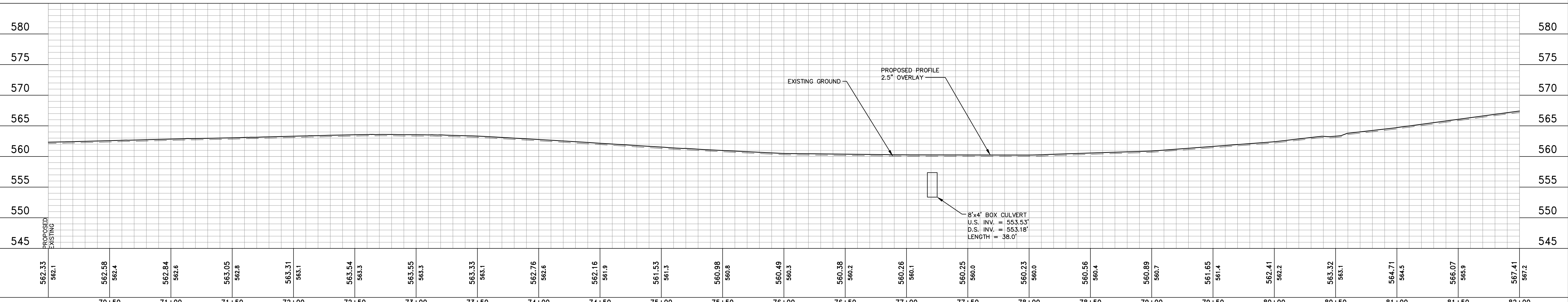
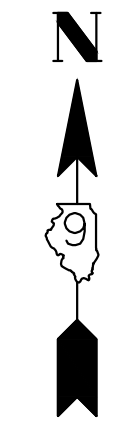
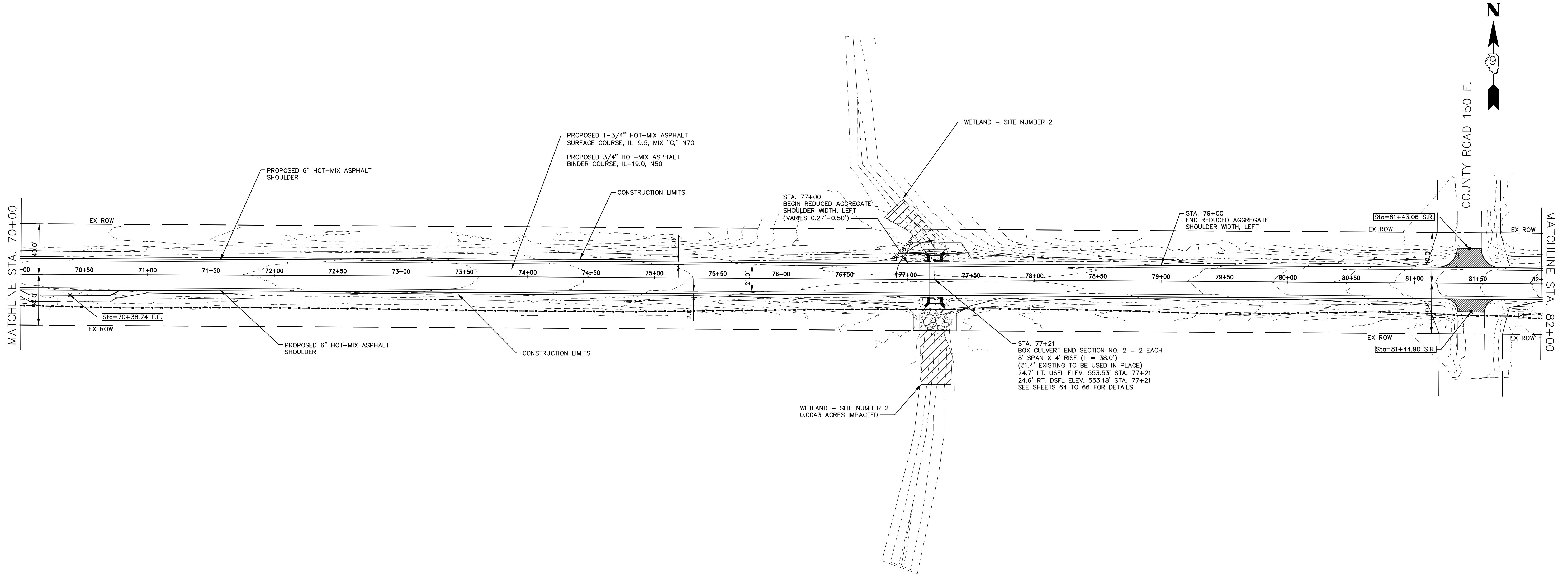
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 5 OF 31 SHEETS STA. 58+00.00 TO STA. 70+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	16
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



562.33 562.1	562.58 562.4	562.84 562.6	563.05 562.8	563.31 563.1	563.54 563.3	563.55 563.3	563.33 563.1	562.76 562.6	562.16 561.9	561.53 561.3	560.98 560.8	560.49 560.3	560.38 560.2	560.26 560.1	560.25 560.0	560.23 560.0	560.56 560.4	560.89 560.7	561.65 561.4	562.41 562.2	563.32 563.1	564.71 564.5	566.07 565.9	567.41 567.2
70+50	71+00	71+50	72+00	72+50	73+00	73+50	74+00	74+50	75+00	75+50	76+00	76+50	77+00	77+50	78+00	78+50	79+00	79+50	80+00	80+50	81+00	81+50	82+00	

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 LS / PE / SE CORP. 184.000999

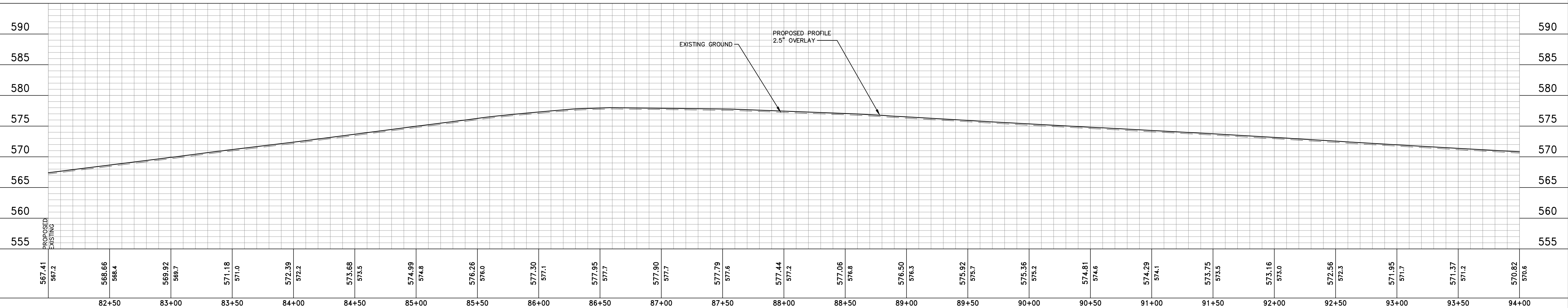
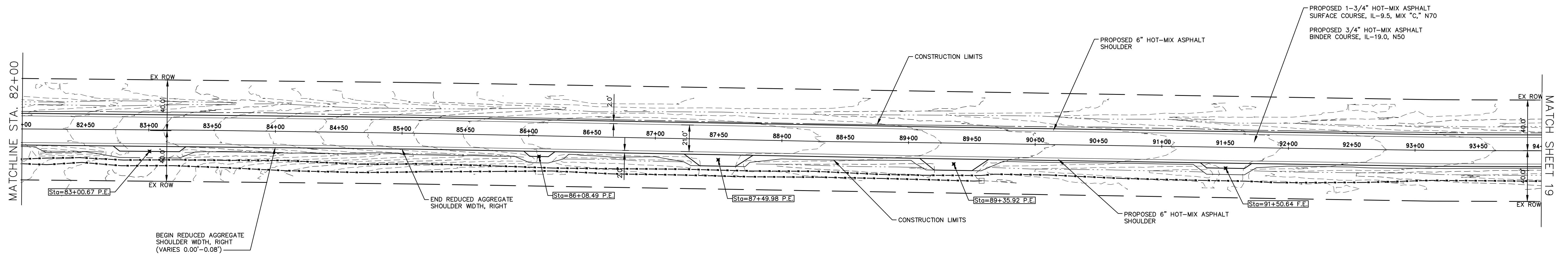
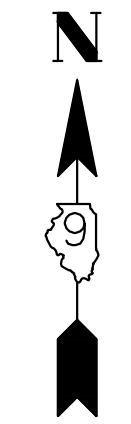
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 6 OF 31 SHEETS STA. 70+00.00 TO STA. 82+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	17
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



567.41 567.2	568.66 568.4	569.92 569.7	571.18 571.0	572.39 572.2	573.68 573.5	574.99 574.8	576.26 576.0	577.30 577.1	577.95 577.7	577.90 577.7	577.79 577.6	577.44 577.2	577.06 576.8	576.50 576.3	575.92 575.7	575.36 575.2	574.81 574.6	574.29 574.1	573.75 573.5	573.16 573.0	572.56 572.3	571.95 571.7	571.37 571.2	570.82 570.6
82+50	83+00	83+50	84+00	84+50	85+00	85+50	86+00	86+50	87+00	87+50	88+00	88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00	93+50	94+00	

HAMPTON, LENZINI AND RENWICK, INC.
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 LS / PE / SE CORP. 184.000999

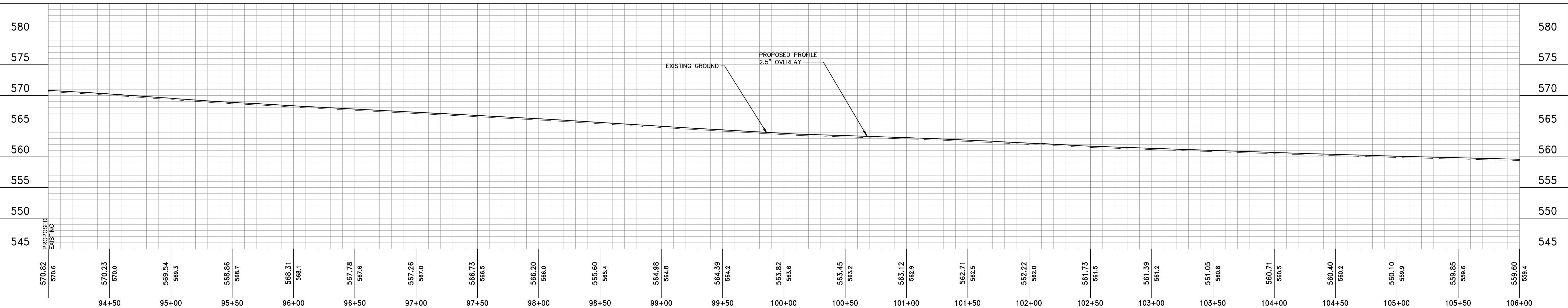
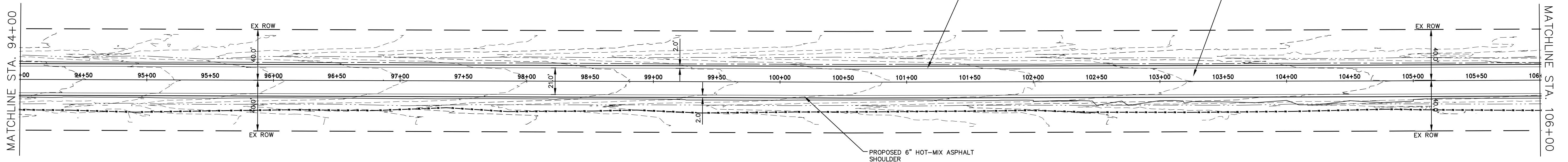
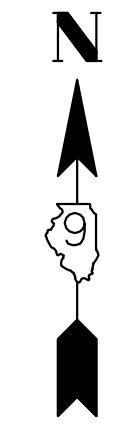
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

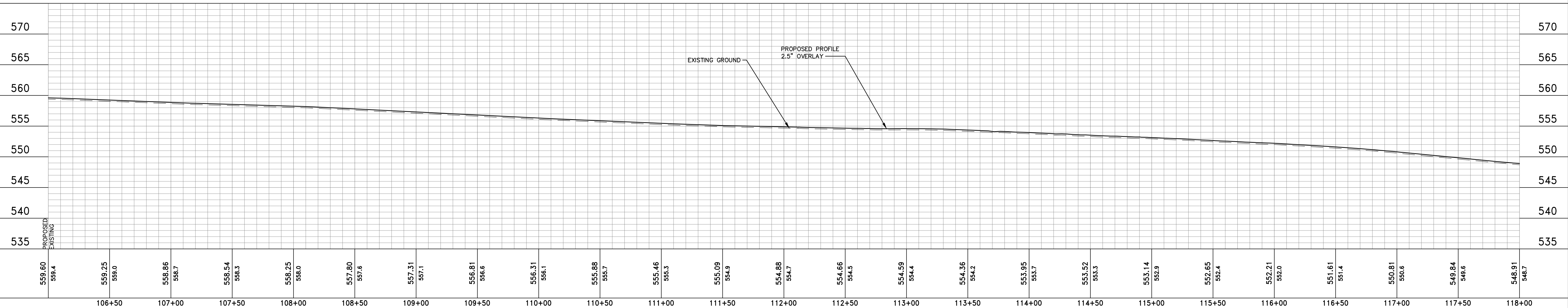
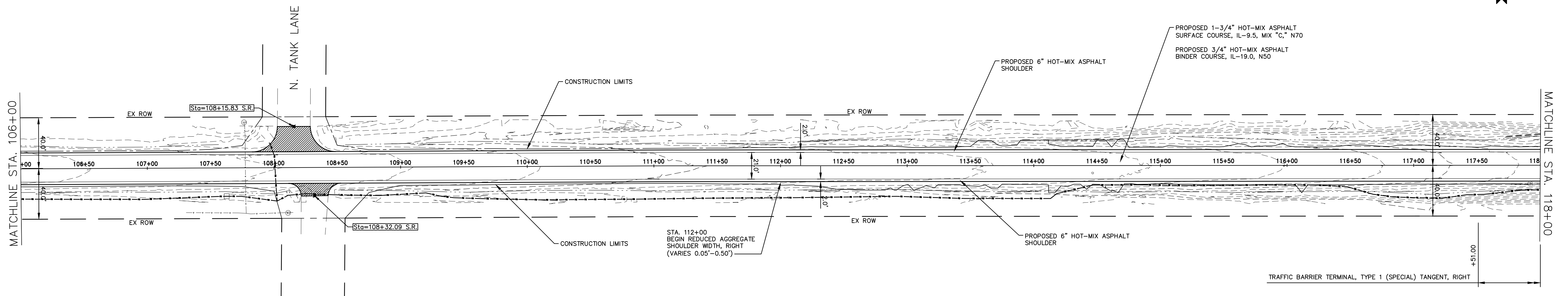
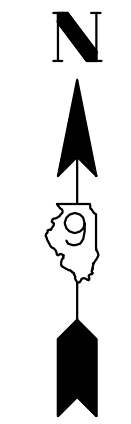
PLAN AND PROFILE

SCALE: 1"=40' SHEET 7 OF 31 SHEETS STA. 82+00.00 TO STA. 94+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	18
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



<p>HAMPTON, LENZINI AND RENWICK, INC. 323 WEST THIRD STREET, P.O. BOX 160 MT. CARMEL, ILLINOIS 62863 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999</p>	PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX		819	17-00217-00-RS	JEFFERSON	182	19		
	PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX		DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692				
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX	SCALE: 1"=40'	SHEET 8 OF 31 SHEETS	STA. 94+00.00	TO STA. 106+00.00	C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



559.60 559.4	559.25 559.0	558.86 558.7	558.54 558.3	558.25 558.0	557.80 557.6	557.31 557.1	556.81 556.6	556.31 556.1	555.88 555.7	555.46 555.3	555.09 554.9	554.88 554.7	554.66 554.5	554.59 554.4	554.36 554.2	553.95 553.7	553.52 553.3	553.14 552.9	552.65 552.4	552.21 552.0	551.61 551.4	550.81 550.6	549.84 549.6	548.91 548.7
106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00	117+50	118+00	

HAMPTON, LENZINI AND RENWICK, INC.
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 LS / PE / SE CORP. 184.000999

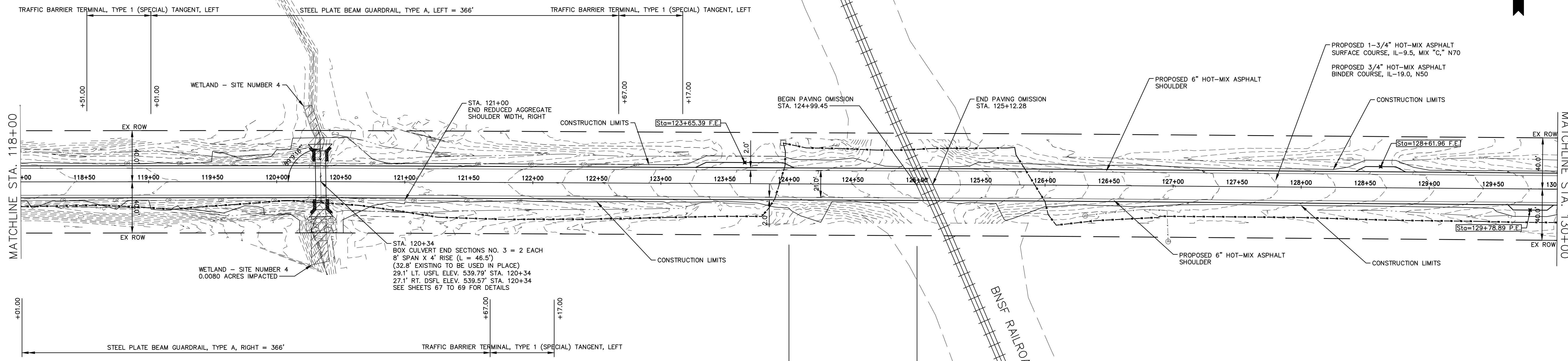
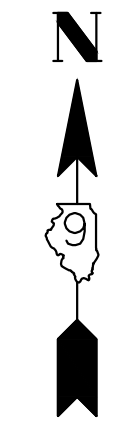
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

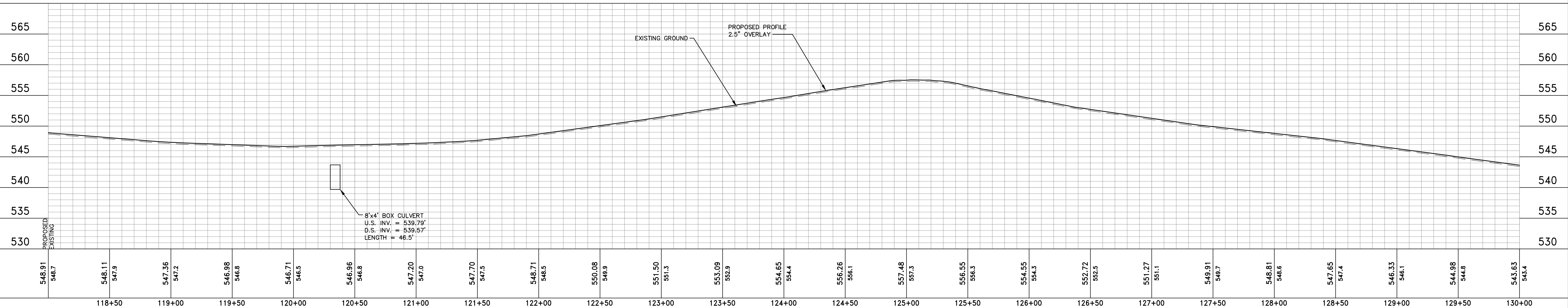
PLAN AND PROFILE

SCALE: 1"=40' SHEET 9 OF 31 SHEETS STA. 106+00.00 TO STA. 118+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	20
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18		ILLINOIS FEDERAL AID PROJECT: A14M(523)		



*NOTE: SOIL MATERIAL FROM STATION 124+00 TO 125+00 SHALL REMAIN WITHIN 124+00 TO 125+00 DUE TO LEVELS OF ARSENIC BELOW THE TIER 1 CONSTRUCTION WORKER EXPOSURE ROUTES AND EXCEEDING THE TIER 1 SOIL MIGRATION TO GROUNDWATER EXPOSURE ROUTE.



548.91 548.7	548.11 547.9	547.36 547.2	546.98 546.8	546.71 546.5	546.96 546.8	547.20 547.0	547.70 547.5	548.71 548.5	550.08 549.9	551.50 551.3	553.09 552.9	554.65 554.4	556.26 556.1	557.48 557.3	556.55 556.3	554.55 554.3	552.72 552.5	551.27 551.1	549.91 549.7	548.81 548.6	547.65 547.4	546.33 546.1	544.98 544.8	543.63 543.4
118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00	128+50	129+00	129+50	130+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
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 LS / PE / SE CORP. 184.000959

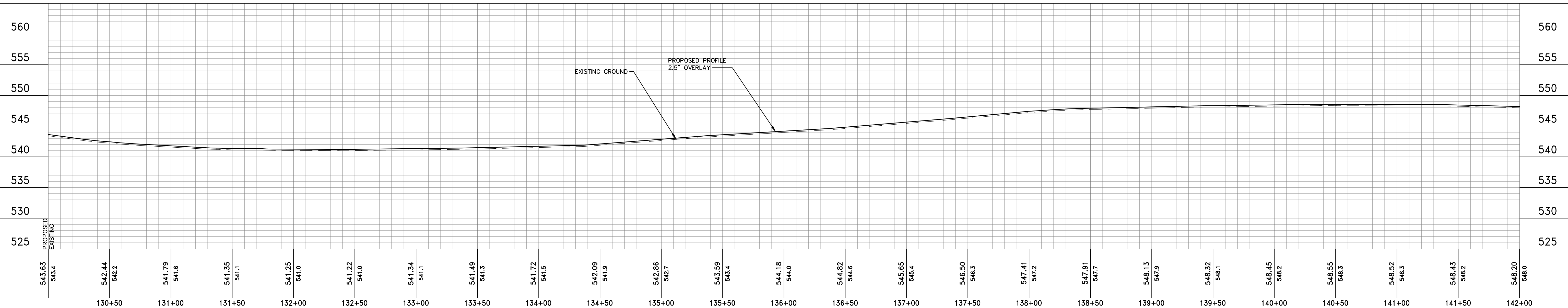
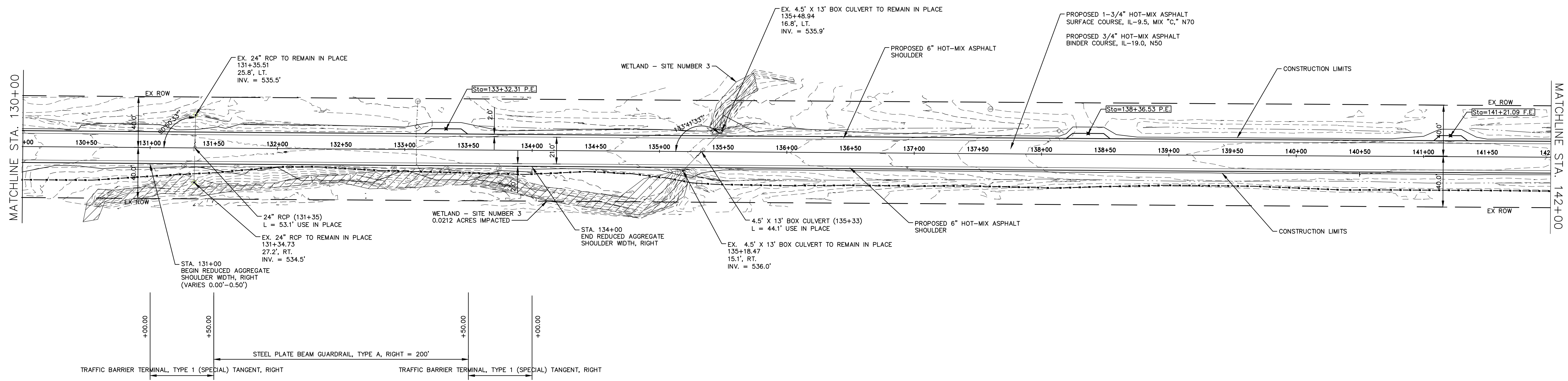
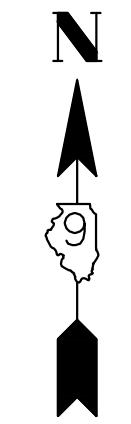
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 10 OF 31 SHEETS STA. 118+00.00 TO STA. 130+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	21
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



543.63 543.4	542.44 542.2	541.79 541.6	541.35 541.1	541.25 541.0	541.22 541.0	541.34 541.1	541.49 541.3	541.72 541.5	542.09 541.9	542.86 542.7	543.59 543.4	544.18 544.0	544.82 544.6	545.65 545.4	546.50 546.3	547.41 547.2	547.91 547.7	548.13 547.9	548.32 548.1	548.45 548.2	548.55 548.3	548.52 548.3	548.43 548.2	548.20 548.0
130+50	131+00	131+50	132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50	136+00	136+50	137+00	137+50	138+00	138+50	139+00	139+50	140+00	140+50	141+00	141+50	142+00	

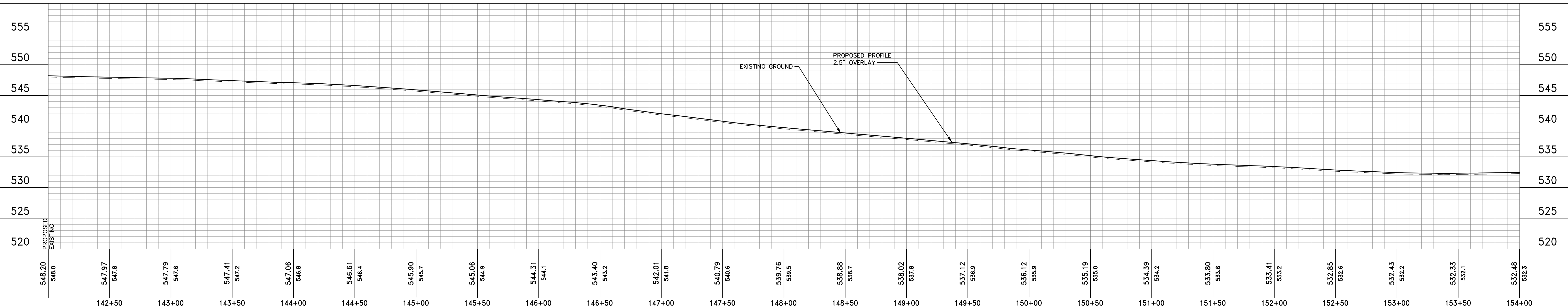
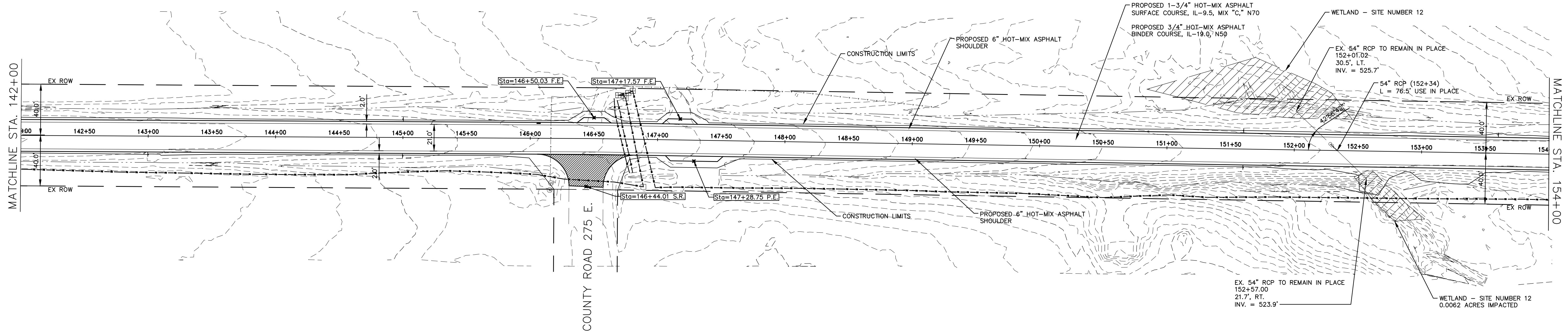
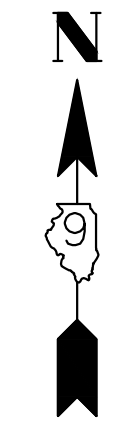
HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE			
SCALE: 1"=40'	SHEET 11 OF 31 SHEETS	STA. 130+00.00	TO STA. 142+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	22
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



548.20	548.0	547.97	547.8	547.79	547.6	547.41	547.2	547.06	546.8	546.61	546.4	545.90	545.7	545.06	544.9	544.31	544.1	543.40	543.2	542.01	541.8	540.79	540.6	539.76	539.5	538.88	538.7	538.02	537.8	537.12	536.9	536.12	535.9	535.19	535.0	534.39	534.2	533.80	533.6	533.41	533.2	532.85	532.6	532.43	532.2	532.33	532.1	532.48	532.3
142+50	143+00	143+50	144+00	144+50	145+00	145+50	146+00	146+50	147+00	147+50	148+00	148+50	149+00	149+50	150+00	150+50	151+00	151+50	152+00	152+50	153+00	153+50	154+00																										

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 LS / PE / SE CORP. 184.000999

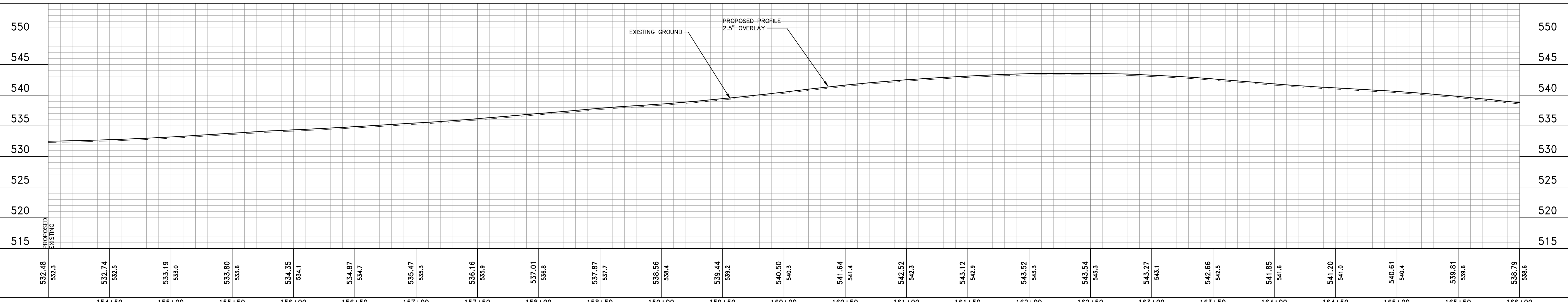
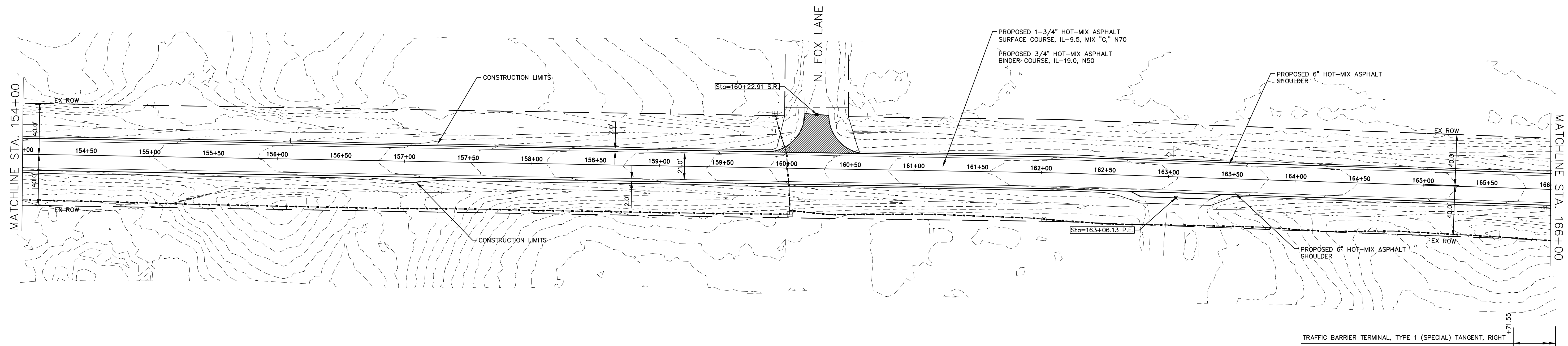
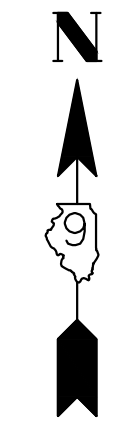
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 12 OF 31 SHEETS STA. 142+00.00 TO STA. 154+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	23
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



532.48	532.3	532.74	532.5	533.19	533.0	533.80	533.6	534.35	534.1	534.87	534.7	535.47	535.3	536.16	535.9	537.01	536.8	537.87	537.7	538.56	538.4	539.44	539.2	540.50	540.3	541.64	541.4	542.52	542.3	543.12	542.9	543.52	543.3	543.54	543.3	543.27	543.1	542.66	542.5	541.85	541.6	541.20	541.0	540.61	540.4	539.81	539.6	538.79	538.6
154+50	155+00	155+50	156+00	156+50	157+00	157+50	158+00	158+50	159+00	159+50	160+00	160+50	161+00	161+50	162+00	162+50	163+00	163+50	164+00	164+50	165+00	165+50	166+00																										

HAMPTON, LENZINI AND RENWICK, INC.
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 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

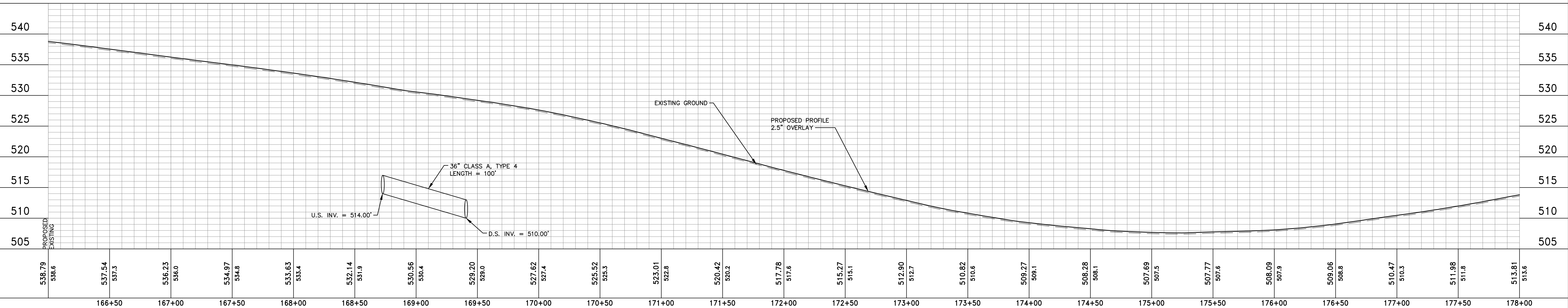
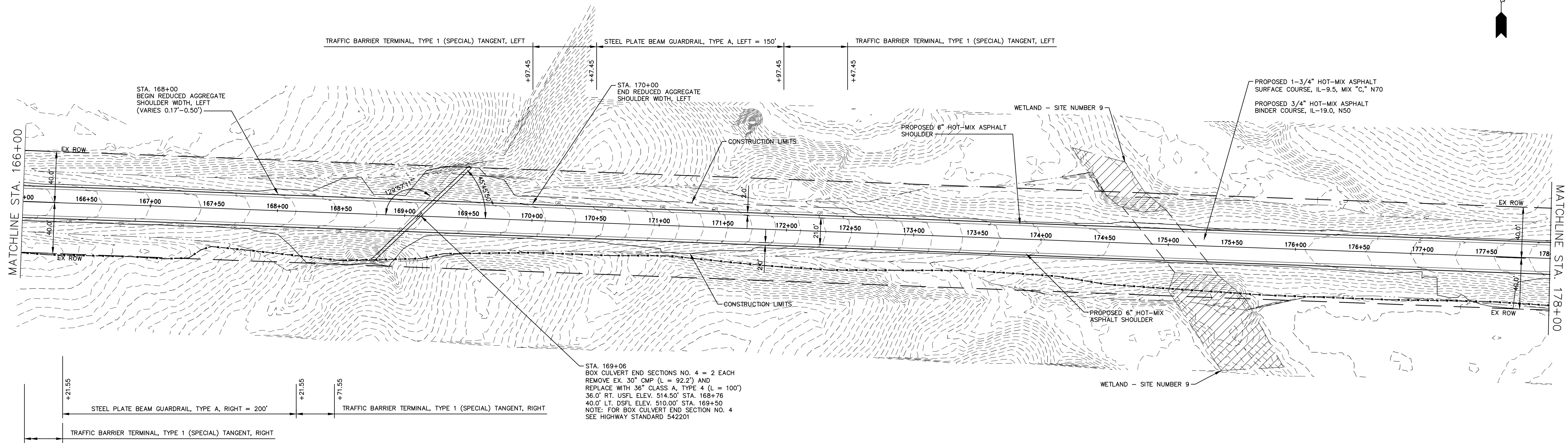
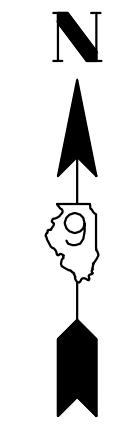
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 13 OF 31 SHEETS STA. 154+00.00 TO STA. 166+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	24
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



538.79 538.6	537.54 537.3	536.23 536.0	534.97 534.8	533.63 533.4	532.14 531.9	530.56 530.4	529.20 529.0	527.62 527.4	525.52 525.3	523.01 522.8	520.42 520.2	517.78 517.6	515.27 515.1	512.90 512.7	510.82 510.6	509.27 509.1	508.28 508.1	507.69 507.5	507.77 507.6	508.09 507.9	509.06 508.8	510.47 510.3	511.98 511.8	513.81 513.6
166+50	167+00	167+50	168+00	168+50	169+00	169+50	170+00	170+50	171+00	171+50	172+00	172+50	173+00	173+50	174+00	174+50	175+00	175+50	176+00	176+50	177+00	177+50	178+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

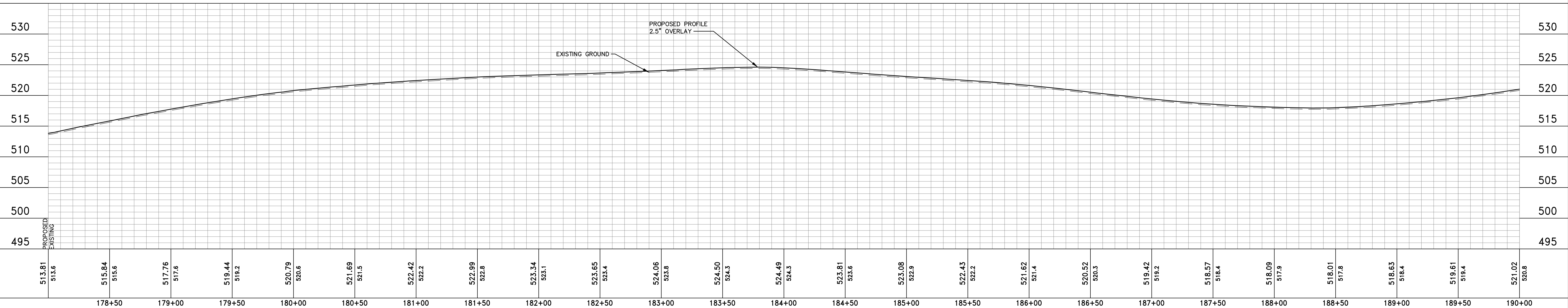
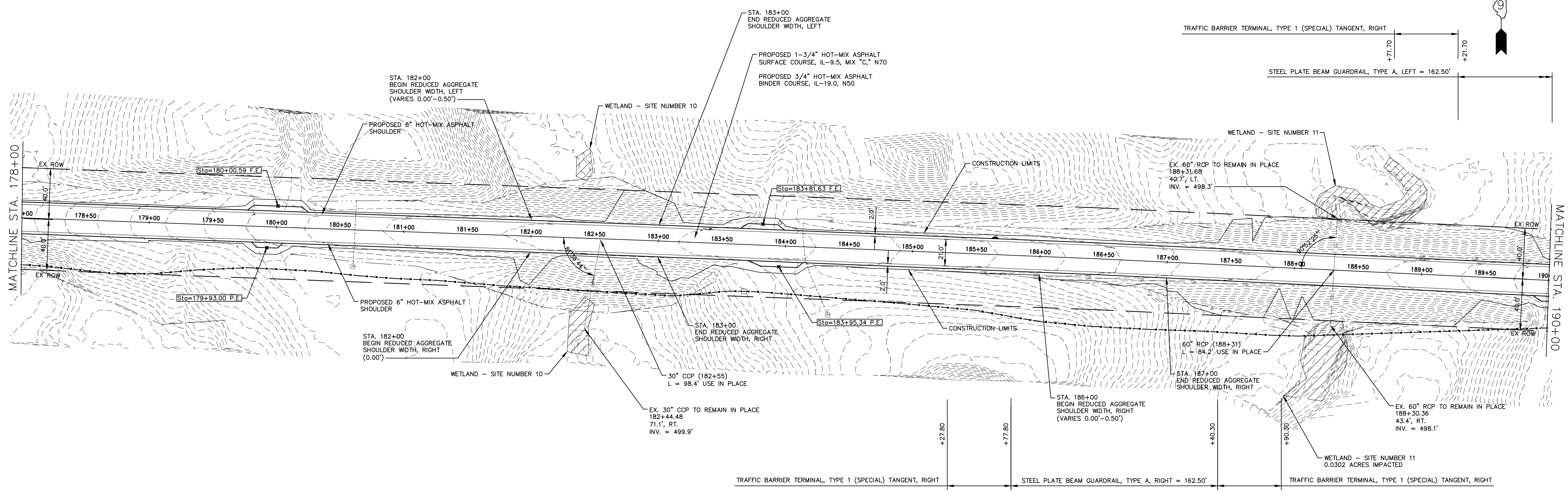
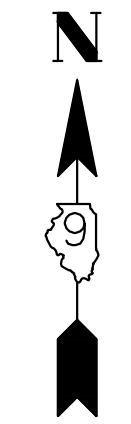
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 14 OF 31 SHEETS STA. 166+00.00 TO STA. 178+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	25
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



513.81 513.6	515.84 515.6	517.76 517.6	519.44 519.2	520.79 520.6	521.69 521.5	522.42 522.2	522.99 522.8	523.34 523.1	523.65 523.4	524.06 523.8	524.50 524.3	524.49 524.3	523.81 523.6	523.08 522.9	522.43 522.2	521.62 521.4	520.52 520.3	519.42 519.2	518.57 518.4	518.09 517.9	518.01 517.8	518.63 518.4	519.61 519.4	521.02 520.8
178+50	179+00	179+50	180+00	180+50	181+00	181+50	182+00	182+50	183+00	183+50	184+00	184+50	185+00	185+50	186+00	186+50	187+00	187+50	188+00	188+50	189+00	189+50	190+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
HLR
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

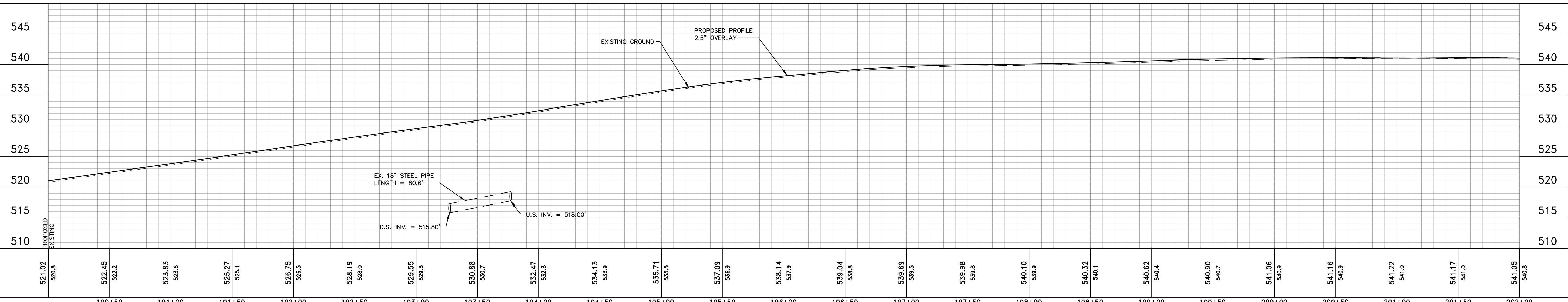
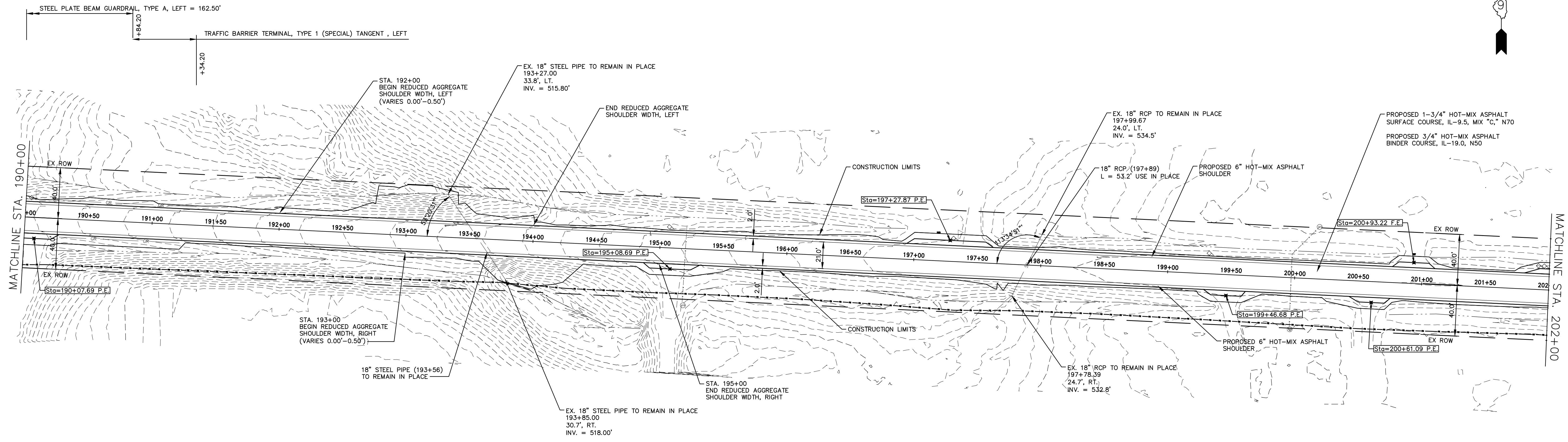
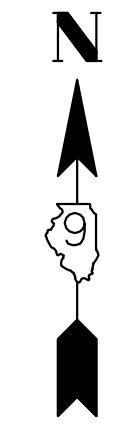
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40'

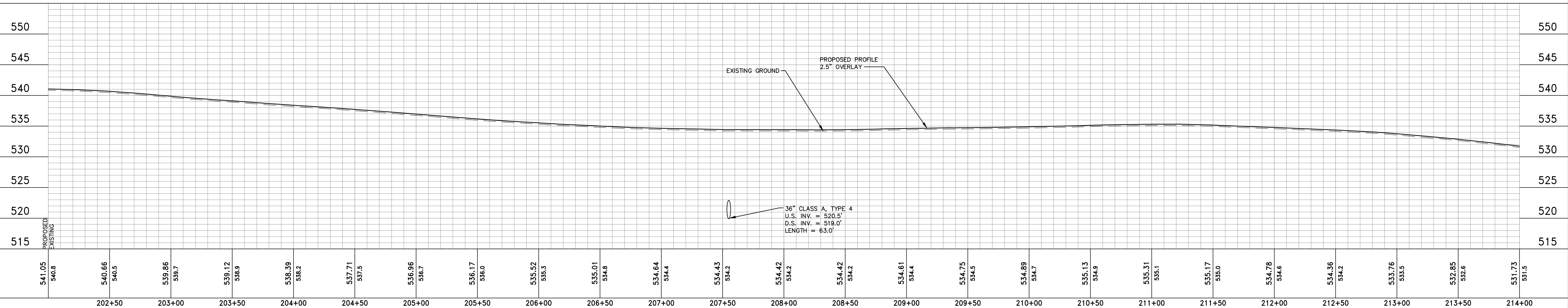
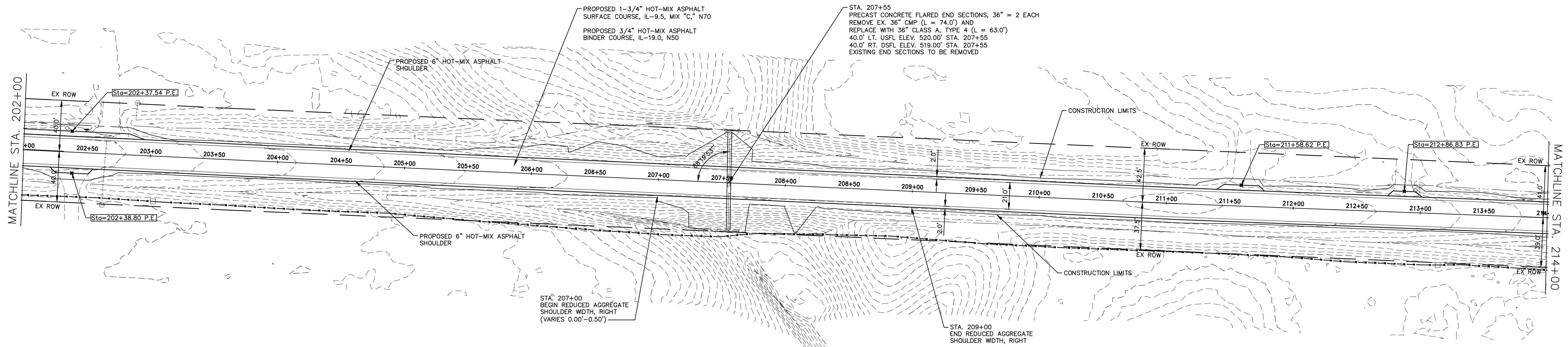
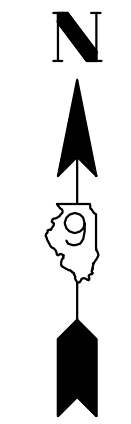
SHEET 15 OF 31 SHEETS STA. 178+00.00 TO STA. 190+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	26
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



521.02	520.8	522.45	522.2	523.83	523.6	525.27	525.1	526.75	526.5	528.19	528.0	529.55	529.3	530.88	530.7	532.47	532.3	534.13	533.9	535.71	535.5	537.09	536.9	538.14	537.9	539.04	538.8	539.69	539.5	539.98	539.8	540.10	539.9	540.32	540.1	540.62	540.4	540.90	540.7	541.06	540.9	541.16	540.9	541.22	541.0	541.17	541.0	541.05	540.8
190+50	191+00	191+50	192+00	192+50	193+00	193+50	194+00	194+50	195+00	195+50	196+00	196+50	197+00	197+50	198+00	198+50	199+00	199+50	200+00	200+50	201+00	201+50	202+00																										

HAMPTON, LENZINI AND RENWICK, INC. 323 WEST THIRD STREET, P.O. BOX 160 MT. CARMEL, ILLINOIS 62863 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX		819	17-00217-00-RS	JEFFERSON	182	27			
	PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX		DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692					
	PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX		SCALE: 1"=40'	SHEET 16 OF 31 SHEETS	STA. 190+00.00 TO STA. 202+00.00	C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



541.05	540.8	540.66	540.5	539.86	539.7	539.12	538.9	538.39	538.2	537.71	537.5	536.96	536.7	536.17	536.0	535.52	535.3	535.01	534.8	534.64	534.4	534.43	534.2	534.42	534.2	534.42	534.2	534.61	534.4	534.75	534.5	534.89	534.7	535.13	534.9	535.31	535.1	535.17	535.0	534.78	534.6	534.36	534.2	533.76	533.5	532.85	532.6	531.73	531.5
202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00	206+50	207+00	207+50	208+00	208+50	209+00	209+50	210+00	210+50	211+00	211+50	212+00	212+50	213+00	213+50	214+00																										

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

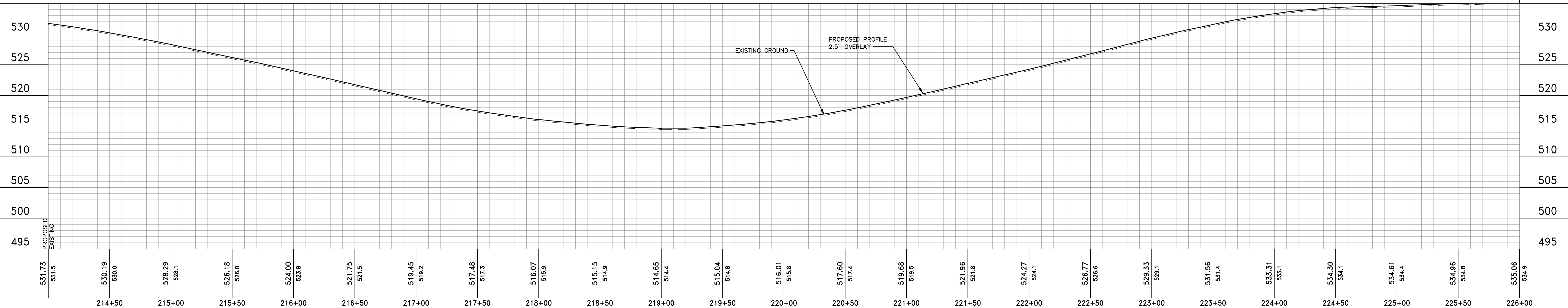
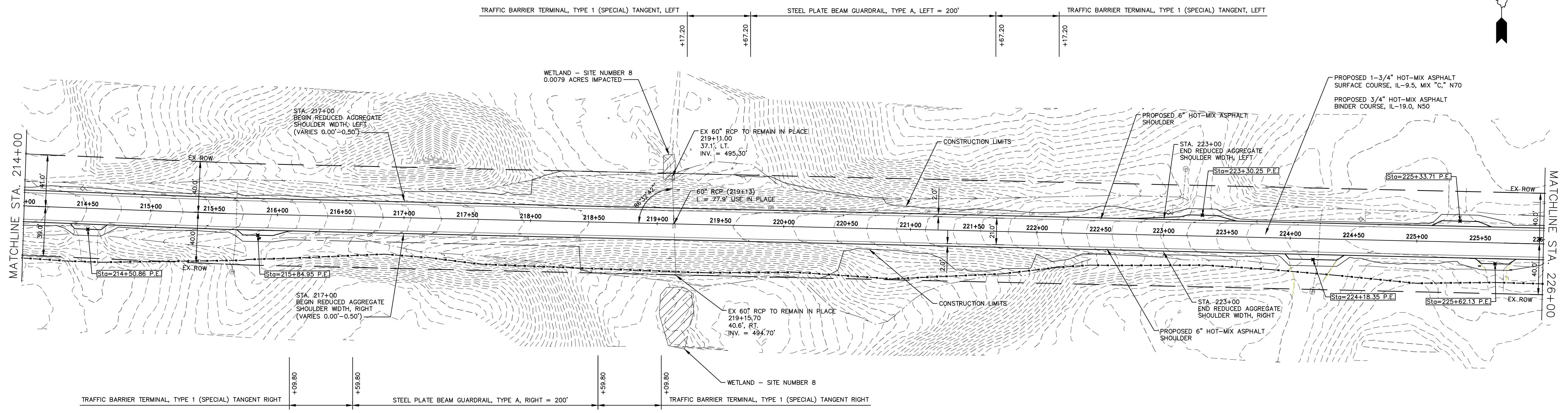
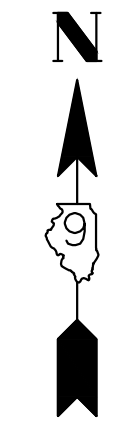
REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 17 OF 31 SHEETS STA. 202+00.00 TO STA. 214+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	28
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



531.73 531.5	530.19 530.0	528.29 528.1	526.18 526.0	524.00 523.8	521.75 521.5	519.45 519.2	517.48 517.3	516.07 515.9	515.15 514.9	514.65 514.4	515.04 514.8	516.01 515.8	517.60 517.4	519.68 519.5	521.96 521.8	524.27 524.1	526.77 526.6	529.33 529.1	531.56 531.4	533.31 533.1	534.30 534.1	534.61 534.4	534.96 534.8	535.06 534.9
214+50	215+00	215+50	216+00	216+50	217+00	217+50	218+00	218+50	219+00	219+50	220+00	220+50	221+00	221+50	222+00	222+50	223+00	223+50	224+00	224+50	225+00	225+50	226+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

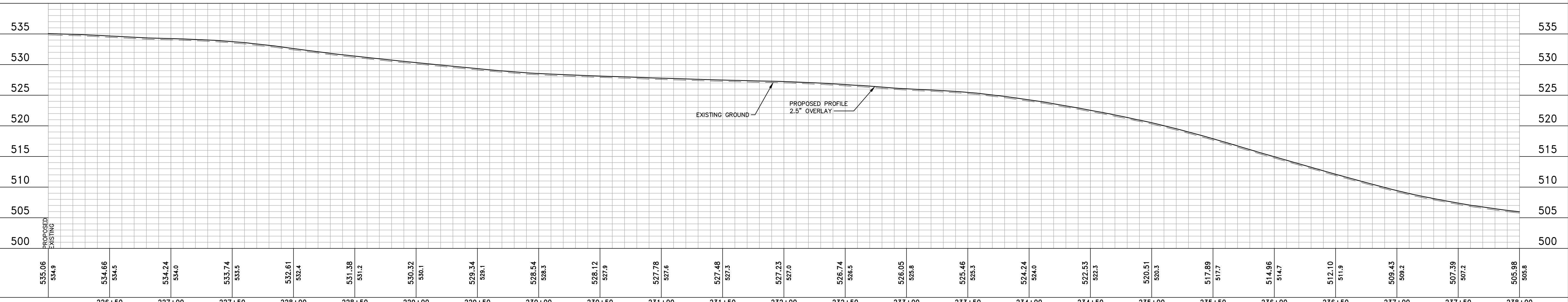
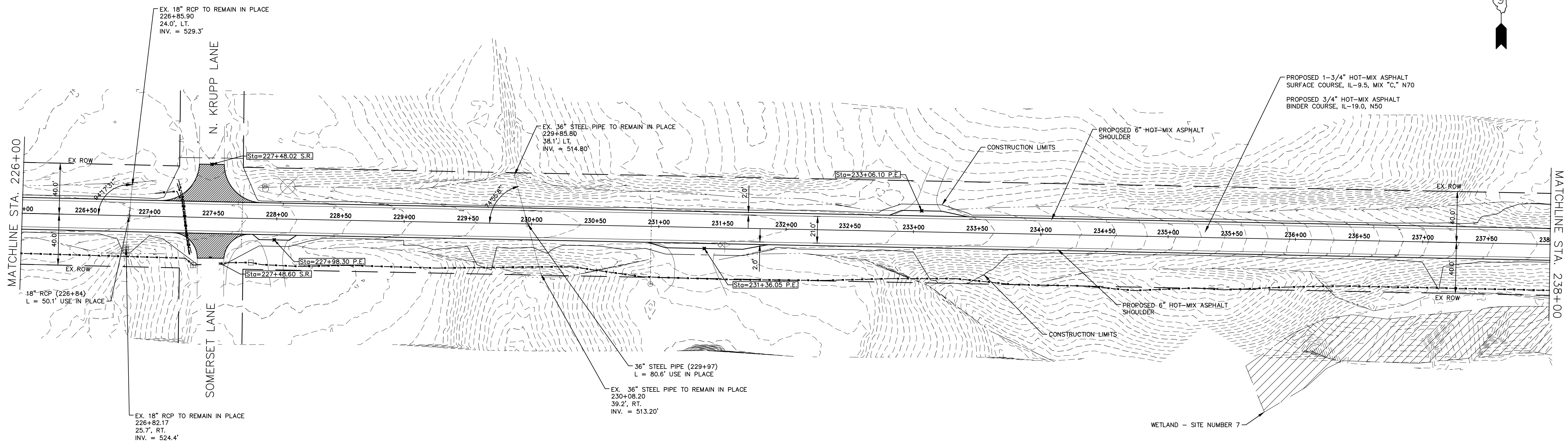
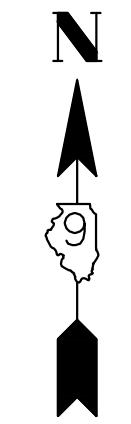
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 18 OF 31 SHEETS STA. 214+00 TO STA. 226+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	29
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



535.06	534.9	534.66	534.5	534.24	534.0	533.74	533.5	532.61	532.4	531.38	531.2	530.32	530.1	529.34	529.1	528.54	528.3	528.12	527.9	527.78	527.6	527.48	527.3	527.23	527.0	526.74	526.5	526.05	525.8	525.46	525.3	524.24	524.0	522.53	522.3	520.51	520.3	517.89	517.7	514.96	514.7	512.10	511.9	509.43	509.2	507.39	507.2	505.98	505.8
226+50	227+00	227+50	228+00	228+50	229+00	229+50	230+00	230+50	231+00	231+50	232+00	232+50	233+00	233+50	234+00	234+50	235+00	235+50	236+00	236+50	237+00	237+50	238+00																										

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

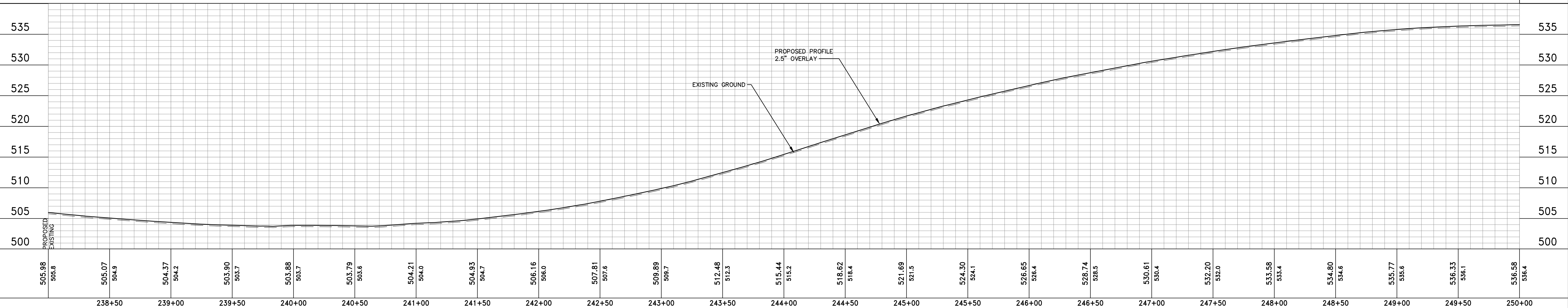
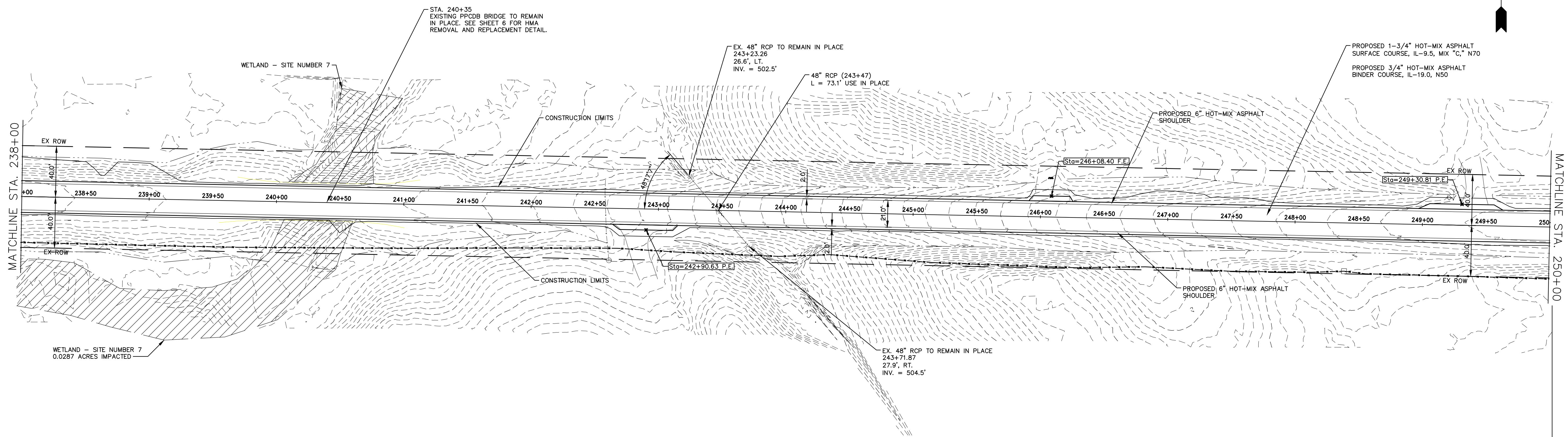
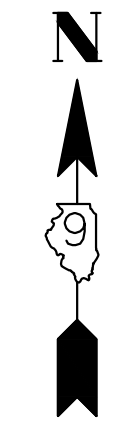
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 19 OF 31 SHEETS STA. 226+00.00 TO STA. 238+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	30
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



505.98 505.8	505.07 504.9	504.37 504.2	503.90 503.7	503.88 503.7	503.79 503.6	504.21 504.0	504.93 504.7	506.16 506.0	507.81 507.6	509.89 509.7	512.48 512.3	515.44 515.2	518.62 518.4	521.69 521.5	524.30 524.1	526.65 526.4	528.74 528.5	530.61 530.4	532.20 532.0	533.58 533.4	534.80 534.6	535.77 535.6	536.33 536.1	536.58 536.4
238+50	239+00	239+50	240+00	240+50	241+00	241+50	242+00	242+50	243+00	243+50	244+00	244+50	245+00	245+50	246+00	246+50	247+00	247+50	248+00	248+50	249+00	249+50	250+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

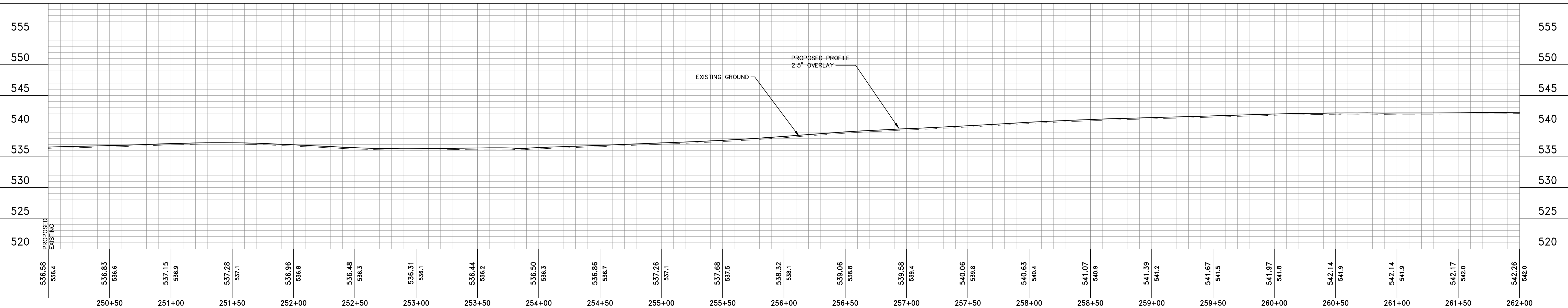
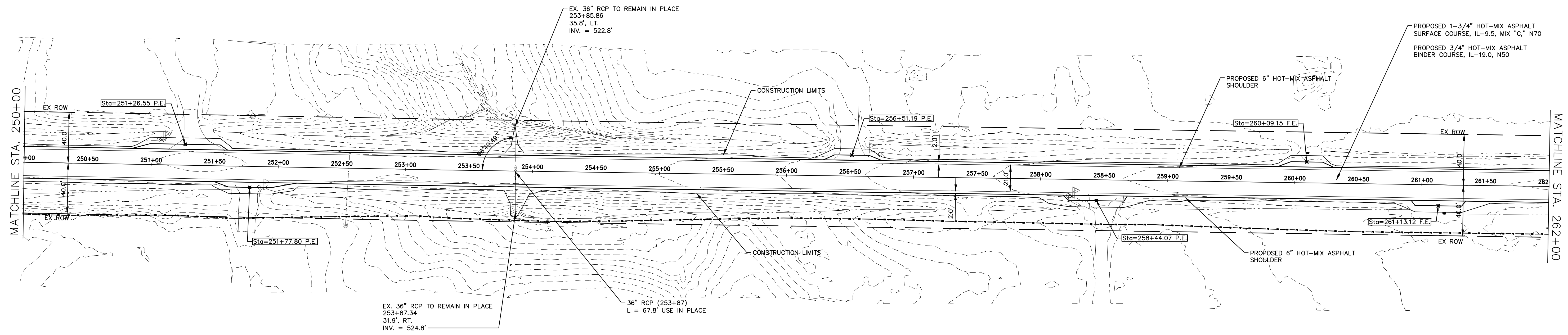
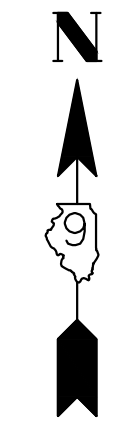
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 20 OF 31 SHEETS STA. 238+00.00 TO STA. 250+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	31
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



536.58 536.4	536.83 536.6	537.15 536.9	537.28 537.1	536.96 536.8	536.48 536.3	536.31 536.1	536.44 536.2	536.50 536.3	536.86 536.7	537.26 537.1	537.68 537.5	538.32 538.1	539.06 538.8	539.58 539.4	540.06 539.8	540.63 540.4	541.07 540.9	541.39 541.2	541.67 541.5	541.97 541.8	542.14 541.9	542.14 541.9	542.17 542.0	542.26 542.0
250+50	251+00	251+50	252+00	252+50	253+00	253+50	254+00	254+50	255+00	255+50	256+00	256+50	257+00	257+50	258+00	258+50	259+00	259+50	260+00	260+50	261+00	261+50	262+00	

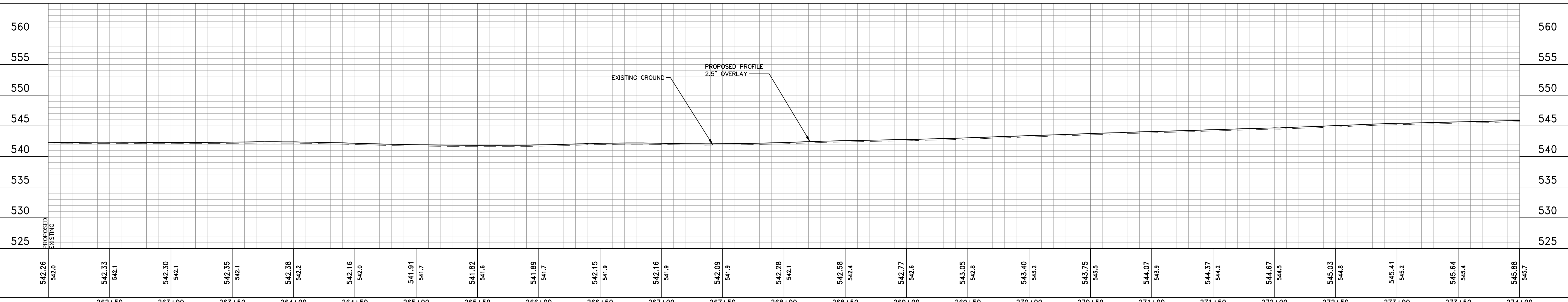
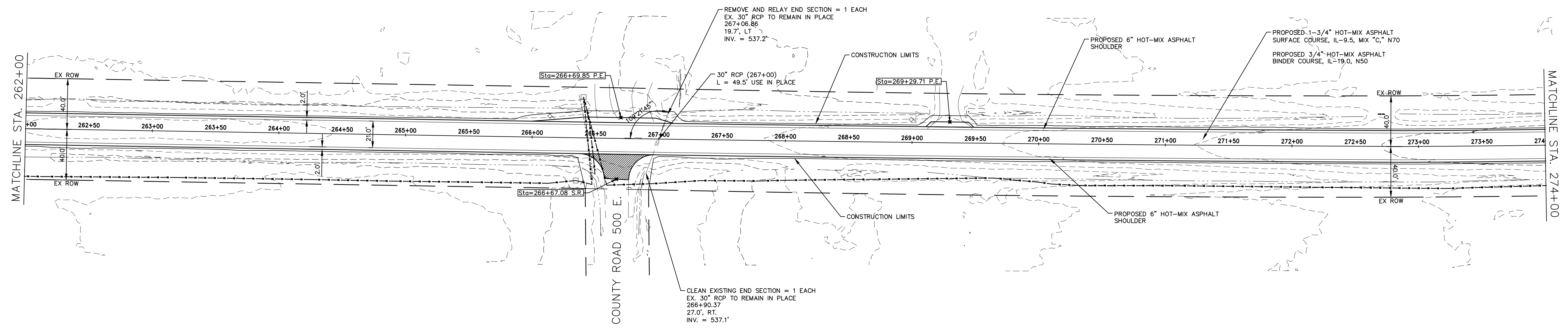
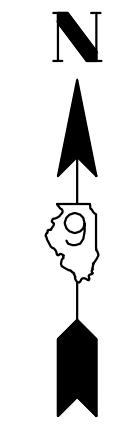
HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE			
SCALE: 1"=40'	SHEET 21 OF 31 SHEETS	STA. 250+00.00	TO STA. 262+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	32
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



542.26	542.0	542.33	542.1	542.30	542.1	542.35	542.1	542.38	542.2	542.16	542.0	541.91	541.7	541.82	541.6	541.89	541.7	542.15	541.9	542.16	541.9	542.09	541.9	542.28	542.1	542.58	542.4	542.77	542.6	543.05	542.8	543.40	543.2	543.75	543.5	544.07	543.9	544.37	544.2	544.67	544.5	545.03	544.8	545.41	545.2	545.64	545.4	545.88	545.7
262+50		263+00		263+50		264+00		264+50		265+00		265+50		266+00		266+50		267+00		267+50		268+00		268+50		269+00		269+50		270+00		270+50		271+00		271+50		272+00		272+50		273+00		273+50		274+00			

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

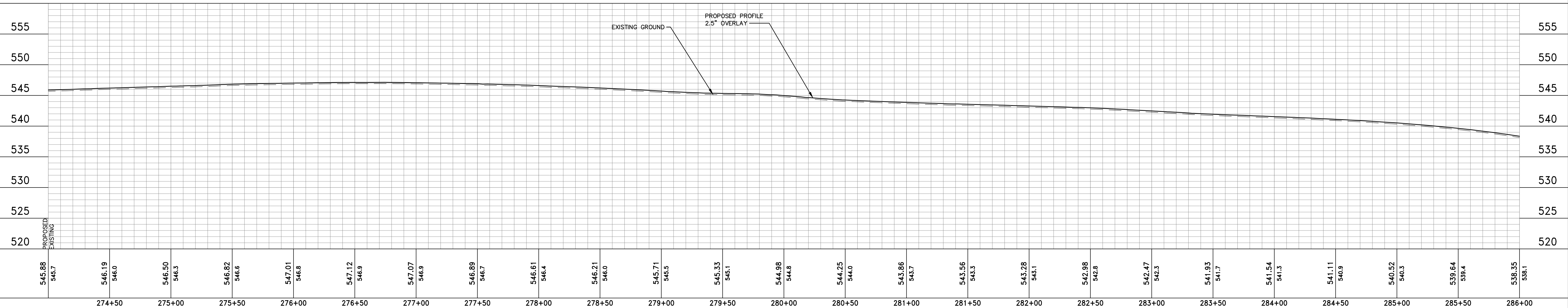
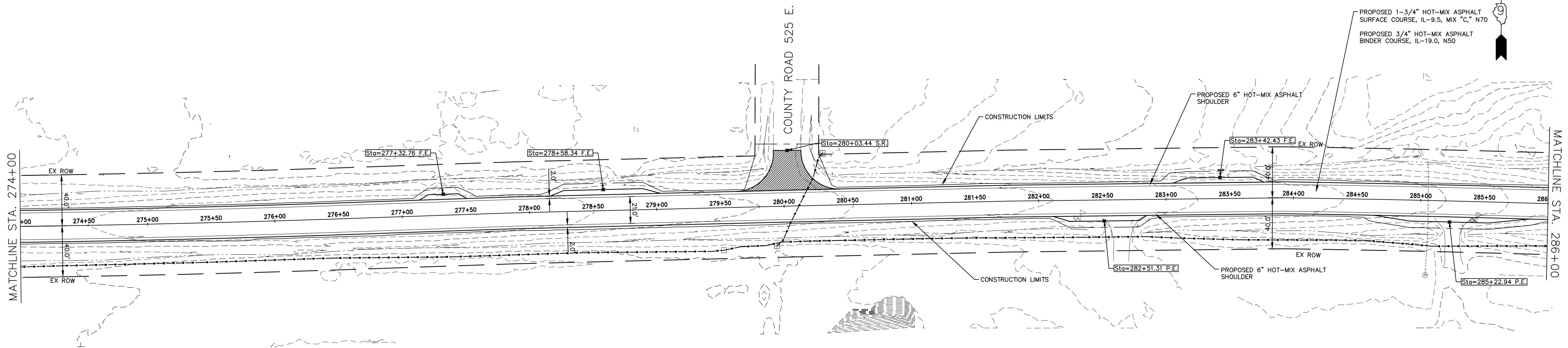
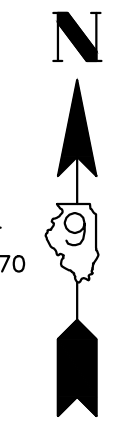
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 22 OF 31 SHEETS STA. 262+00.00 TO STA. 274+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	33
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



545.88 545.7	546.19 546.0	546.50 546.3	546.82 546.6	547.01 546.8	547.12 546.9	547.07 546.9	546.89 546.7	546.61 546.4	546.21 546.0	545.71 546.5	545.33 546.1	544.98 544.8	544.25 544.0	543.86 543.7	543.56 543.3	543.28 543.1	542.98 542.8	542.47 542.3	541.93 541.7	541.54 541.3	541.11 540.9	540.52 540.3	539.64 539.4	538.35 538.1
274+50	275+00	275+50	276+00	276+50	277+00	277+50	278+00	278+50	279+00	279+50	280+00	280+50	281+00	281+50	282+00	282+50	283+00	283+50	284+00	284+50	285+00	285+50	286+00	

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 LS / PE / SE CORP. 184.000999

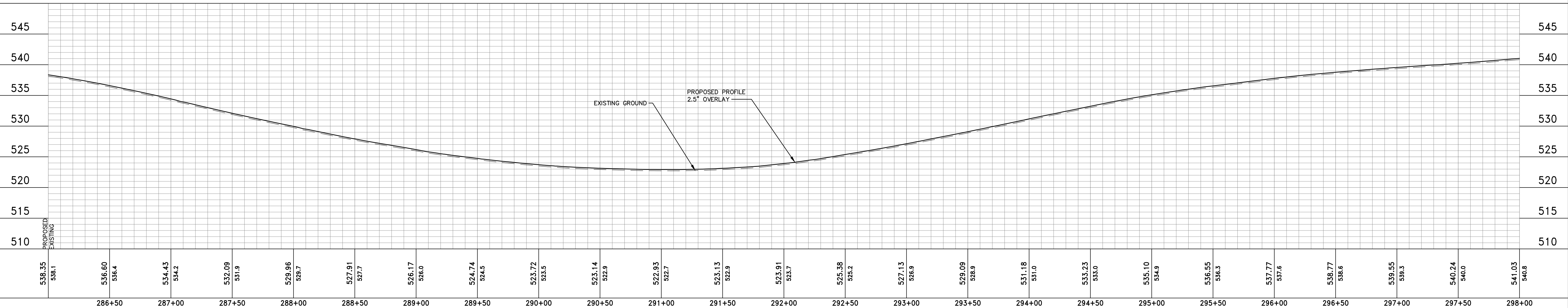
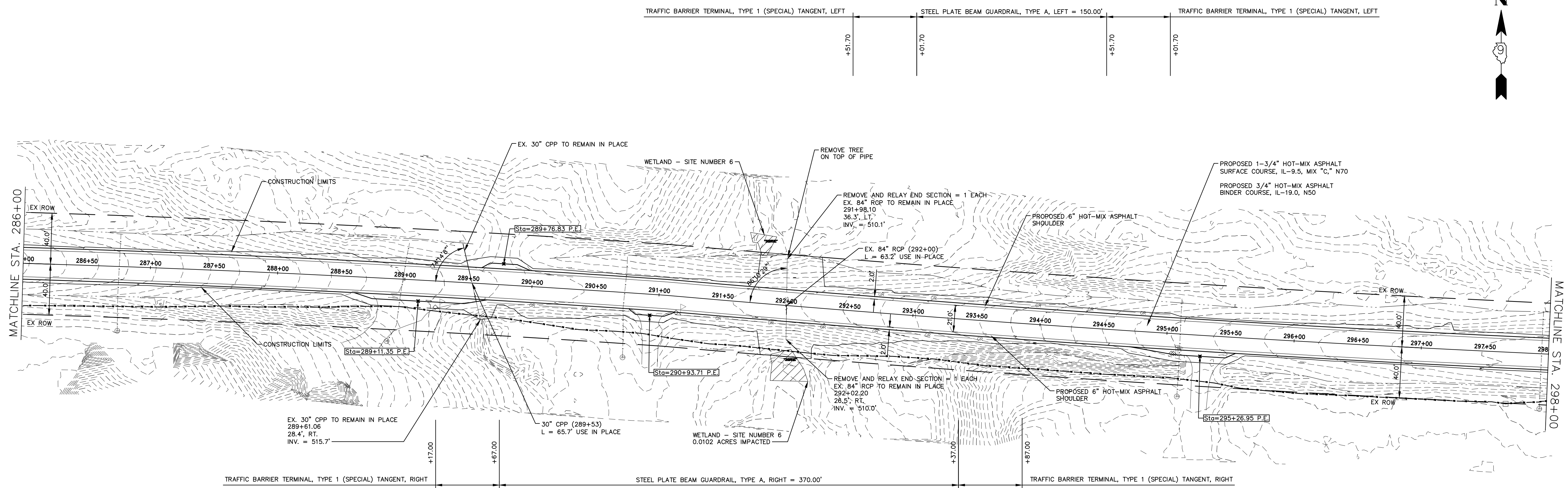
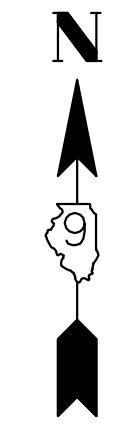
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 23 OF 31 SHEETS STA. 274+00.00 TO STA. 286+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	34
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



538.35	538.1	536.60	536.4	534.43	534.2	532.09	531.9	529.96	529.7	527.91	527.7	526.17	526.0	524.74	524.5	523.72	523.5	523.14	522.9	522.93	522.7	523.13	522.9	523.91	523.7	525.38	525.2	527.13	526.9	529.09	528.9	531.18	531.0	533.23	533.0	535.10	534.9	536.55	536.3	537.77	537.6	538.77	538.6	539.55	539.3	540.24	540.0	541.03	540.8
286+50	287+00	287+50	288+00	288+50	289+00	289+50	290+00	290+50	291+00	291+50	292+00	292+50	293+00	293+50	294+00	294+50	295+00	295+50	296+00	296+50	297+00	297+50	298+00																										

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 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

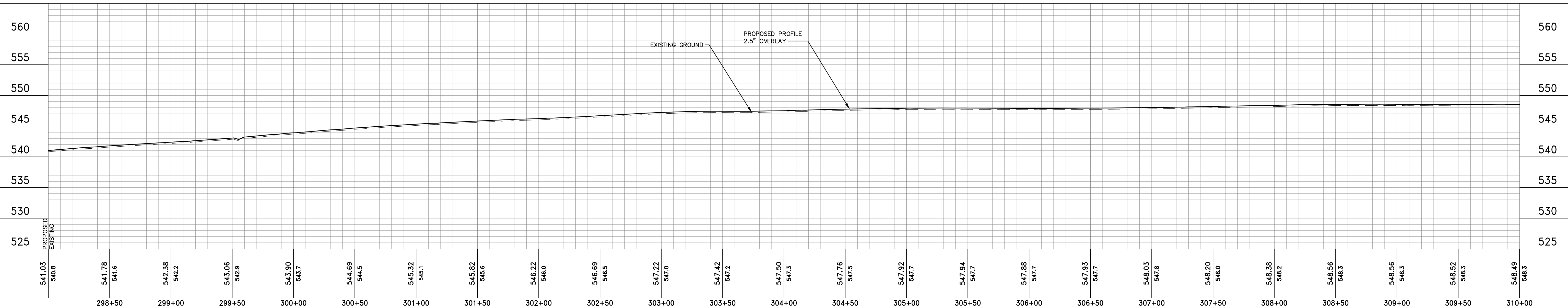
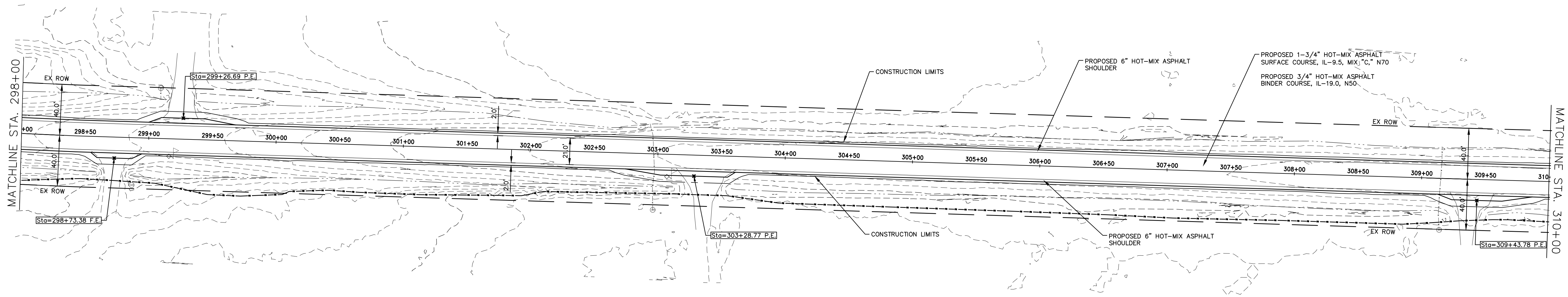
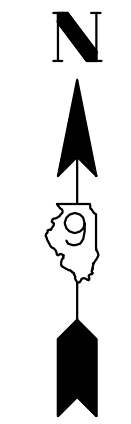
REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1"=40' SHEET 24 OF 31 SHEETS STA. 286+00.00 TO STA. 298+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	35
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



541.03 540.8	541.78 541.6	542.38 542.2	543.06 542.9	543.90 543.7	544.69 544.5	545.32 545.1	545.82 545.6	546.22 546.0	546.69 546.5	547.22 547.0	547.42 547.2	547.50 547.3	547.76 547.5	547.92 547.7	547.94 547.7	547.88 547.7	547.93 547.7	548.03 547.8	548.20 548.0	548.38 548.2	548.56 548.3	548.56 548.3	548.52 548.3	548.49 548.3
298+50	299+00	299+50	300+00	300+50	301+00	301+50	302+00	302+50	303+00	303+50	304+00	304+50	305+00	305+50	306+00	306+50	307+00	307+50	308+00	308+50	309+00	309+50	310+00	

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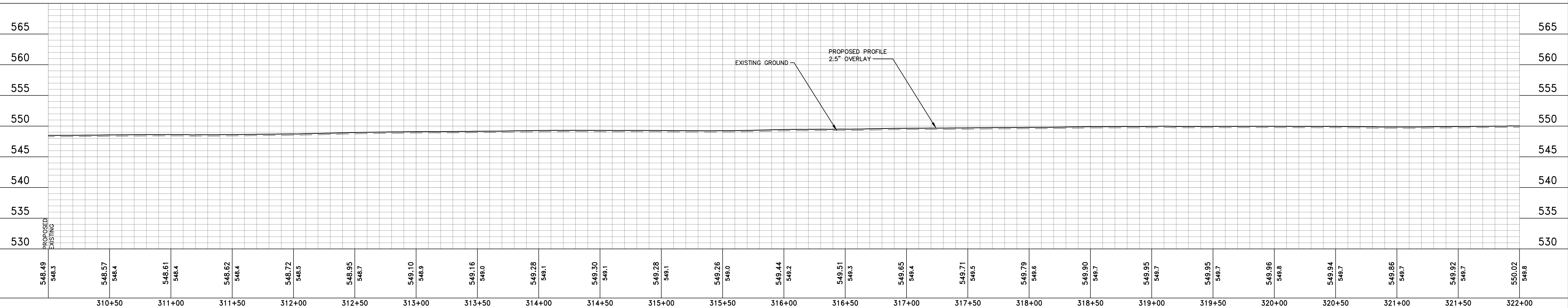
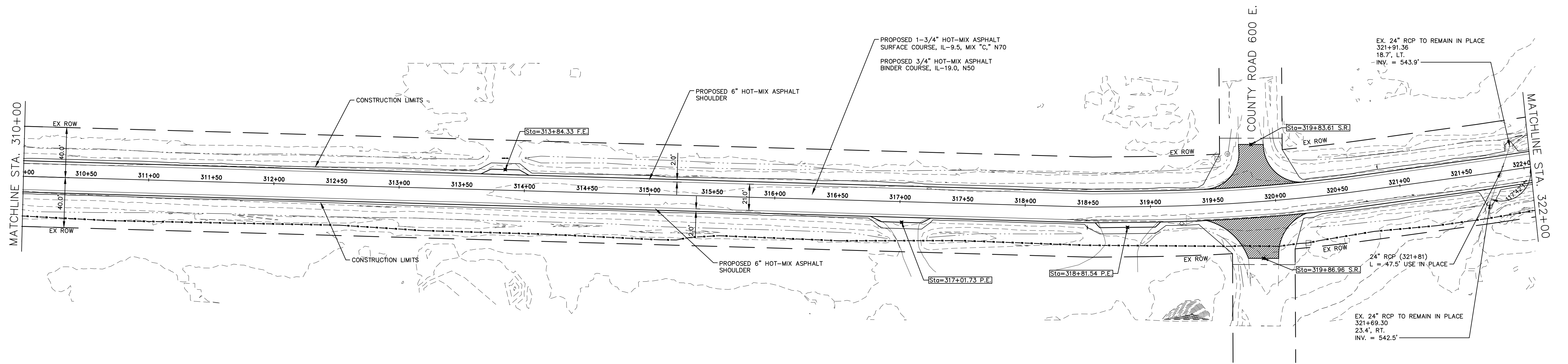
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 25 OF 31 SHEETS STA. 298+00.00 TO STA. 310+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	36
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



548.49 548.3	548.57 548.4	548.61 548.4	548.62 548.4	548.72 548.5	548.95 548.7	549.10 548.9	549.16 549.0	549.28 549.1	549.30 549.1	549.28 549.1	549.26 549.0	549.44 549.2	549.51 549.3	549.65 549.4	549.71 549.5	549.79 549.6	549.90 549.7	549.95 549.7	549.95 549.7	549.96 549.8	549.94 549.7	549.86 549.7	549.92 549.7	550.02 549.8
310+50	311+00	311+50	312+00	312+50	313+00	313+50	314+00	314+50	315+00	315+50	316+00	316+50	317+00	317+50	318+00	318+50	319+00	319+50	320+00	320+50	321+00	321+50	322+00	

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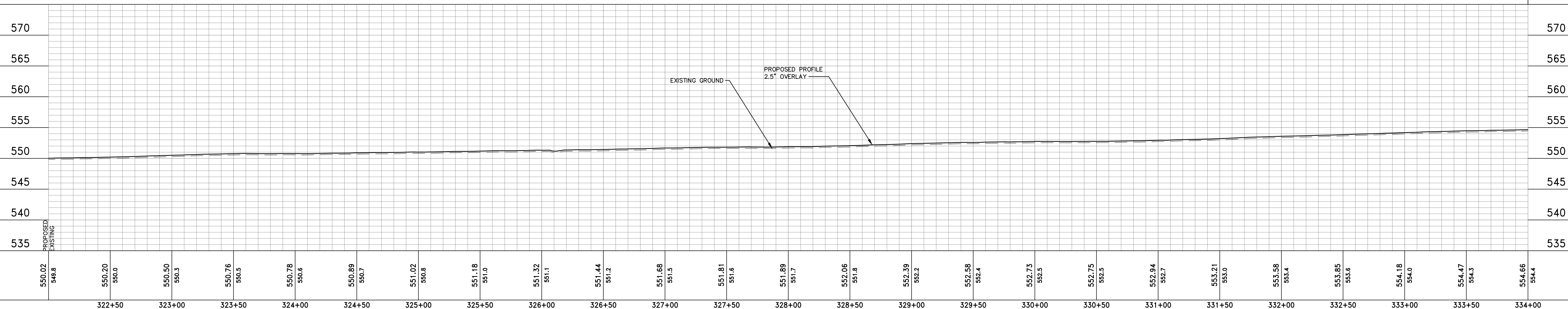
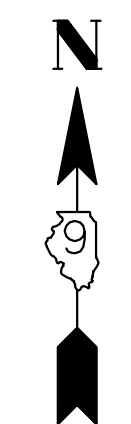
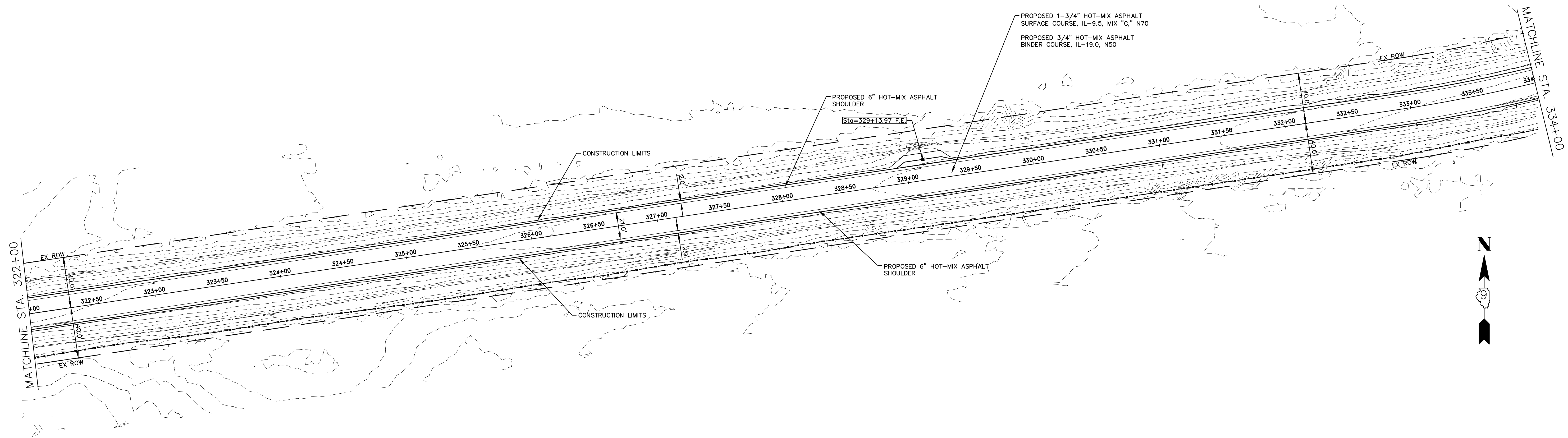
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
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PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 26 OF 31 SHEETS STA. 310+00.00 TO STA. 322+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	37
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



550.02 549.8	550.20 550.0	550.50 550.3	550.76 550.5	550.78 550.6	550.89 550.7	551.02 550.8	551.18 551.0	551.32 551.1	551.44 551.2	551.68 551.5	551.81 551.6	551.89 551.7	552.06 551.8	552.39 552.2	552.58 552.4	552.73 552.5	552.75 552.5	552.94 552.7	553.21 553.0	553.58 553.4	553.85 553.6	554.18 554.0	554.47 554.3	554.66 554.4
322+50	323+00	323+50	324+00	324+50	325+00	325+50	326+00	326+50	327+00	327+50	328+00	328+50	329+00	329+50	330+00	330+50	331+00	331+50	332+00	332+50	333+00	333+50	334+00	

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 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

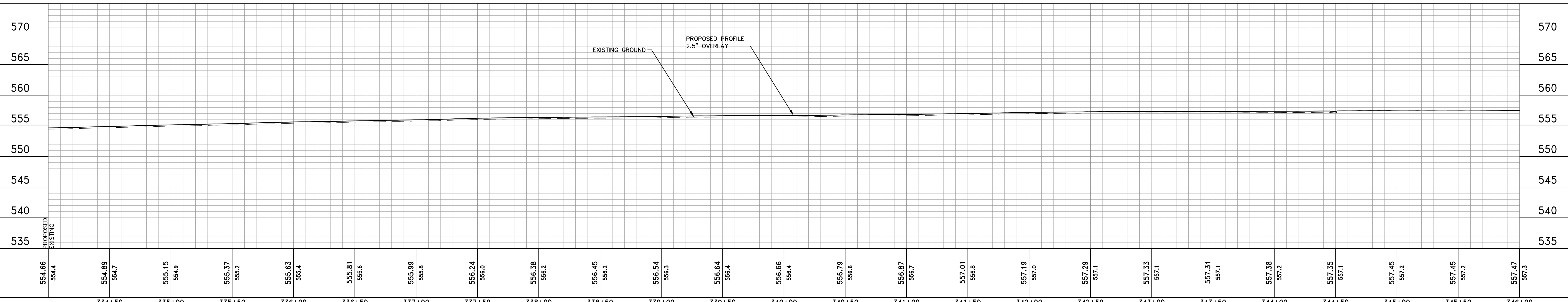
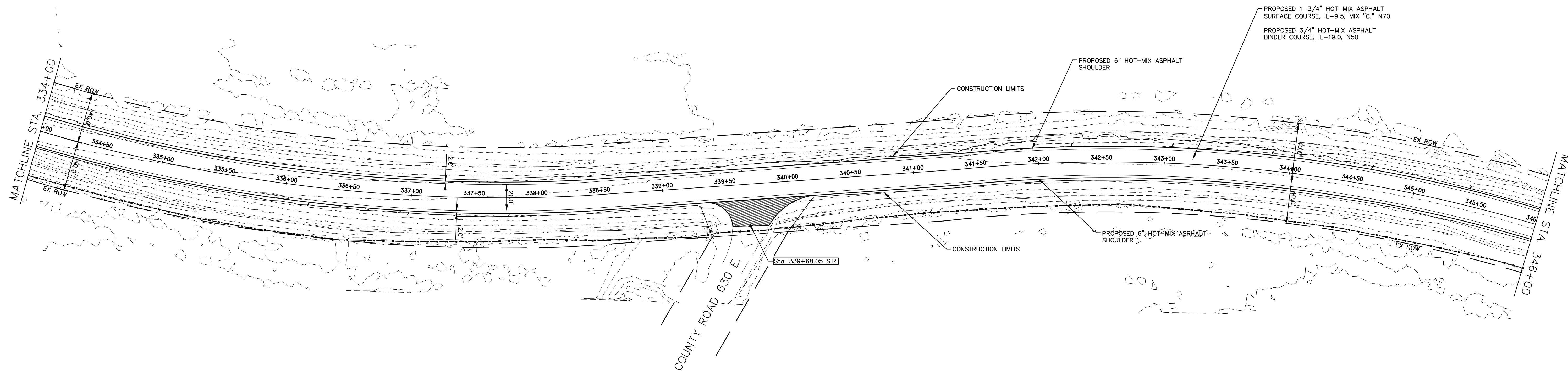
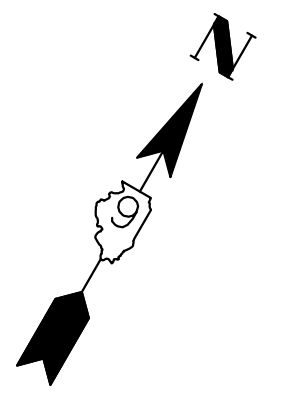
REVISED - XXXX
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 27 OF 31 SHEETS STA. 322+00.00 TO STA. 334+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	38
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



554.66 554.4	554.89 554.7	555.15 554.9	555.37 555.2	555.63 555.4	555.81 555.6	555.99 555.8	556.24 556.0	556.38 556.2	556.45 556.2	556.54 556.3	556.64 556.4	556.66 556.4	556.79 556.6	556.87 556.7	557.01 556.8	557.19 557.0	557.29 557.1	557.33 557.1	557.31 557.1	557.38 557.2	557.35 557.1	557.45 557.2	557.45 557.2	557.47 557.3
334+50	335+00	335+50	336+00	336+50	337+00	337+50	338+00	338+50	339+00	339+50	340+00	340+50	341+00	341+50	342+00	342+50	343+00	343+50	344+00	344+50	345+00	345+50	346+00	

HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
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 LS / PE / SE CORP. 184.000999

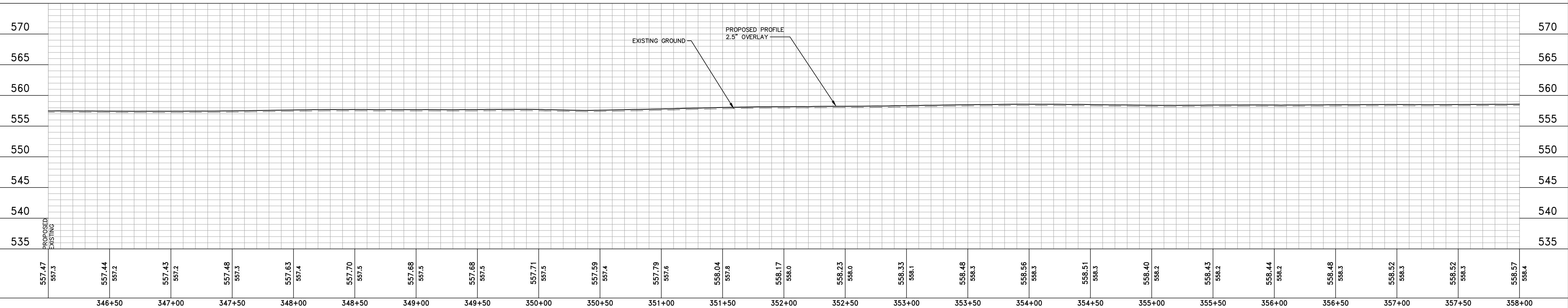
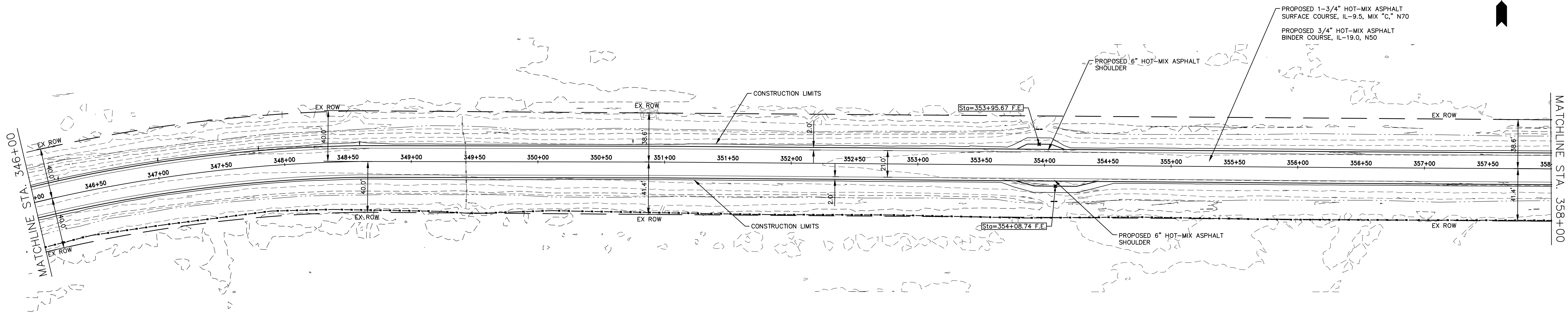
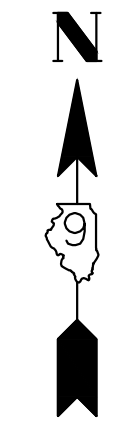
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 28 OF 31 SHEETS STA. 334+00.00 TO STA. 346+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	39
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18		ILLINOIS FEDERAL AID PROJECT: A14M(523)		



557.47 557.3	557.44 557.2	557.43 557.2	557.48 557.3	557.63 557.4	557.70 557.5	557.68 557.5	557.68 557.5	557.71 557.5	557.59 557.4	557.79 557.6	558.04 557.8	558.17 558.0	558.23 558.0	558.33 558.1	558.48 558.3	558.56 558.3	558.51 558.3	558.40 558.2	558.43 558.2	558.44 558.2	558.48 558.3	558.52 558.3	558.52 558.3	558.57 558.4
346+50	347+00	347+50	348+00	348+50	349+00	349+50	350+00	350+50	351+00	351+50	352+00	352+50	353+00	353+50	354+00	354+50	355+00	355+50	356+00	356+50	357+00	357+50	358+00	

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 LS / PE / SE CORP. 184.000999

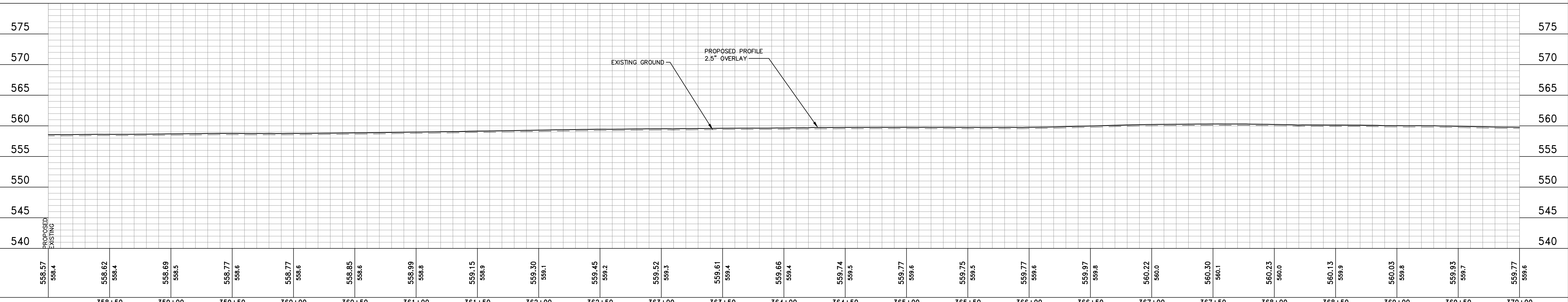
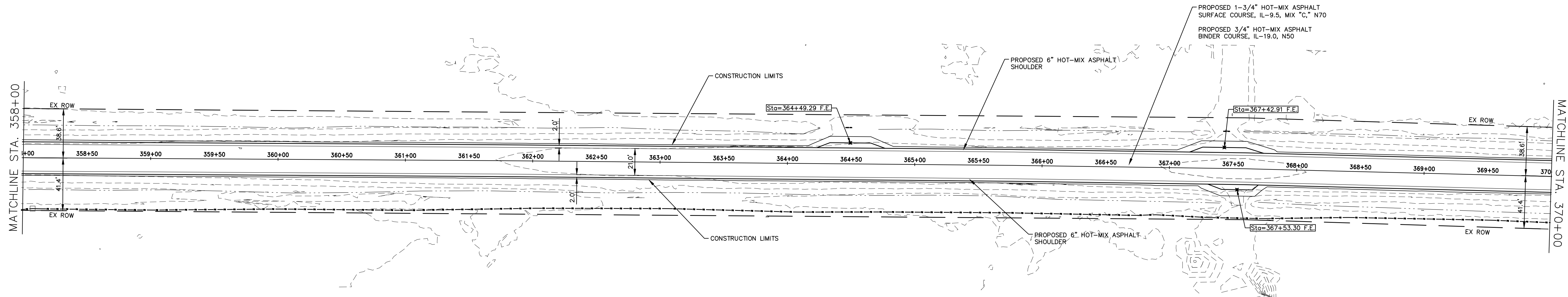
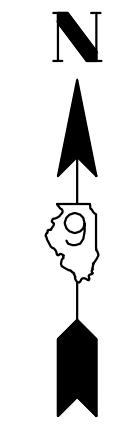
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 29 OF 31 SHEETS STA. 346+00.00 TO STA. 358+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	40
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



558.57 558.4	558.62 558.4	558.69 558.5	558.77 558.6	558.77 558.6	558.85 558.6	558.99 558.8	559.15 558.9	559.30 559.1	559.45 559.2	559.52 559.3	559.61 559.4	559.66 559.4	559.74 559.5	559.77 559.6	559.75 559.5	559.77 559.6	559.97 559.8	560.22 560.0	560.30 560.1	560.23 560.0	560.13 559.9	560.03 559.8	559.93 559.7	559.77 559.6
358+50	359+00	359+50	360+00	360+50	361+00	361+50	362+00	362+50	363+00	363+50	364+00	364+50	365+00	365+50	366+00	366+50	367+00	367+50	368+00	368+50	369+00	369+50	370+00	

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 LS / PE / SE CORP. 184.000999

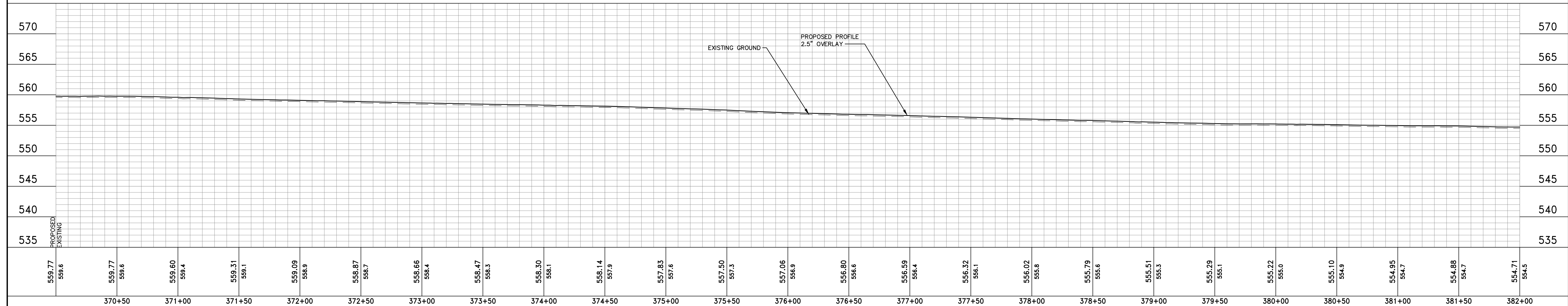
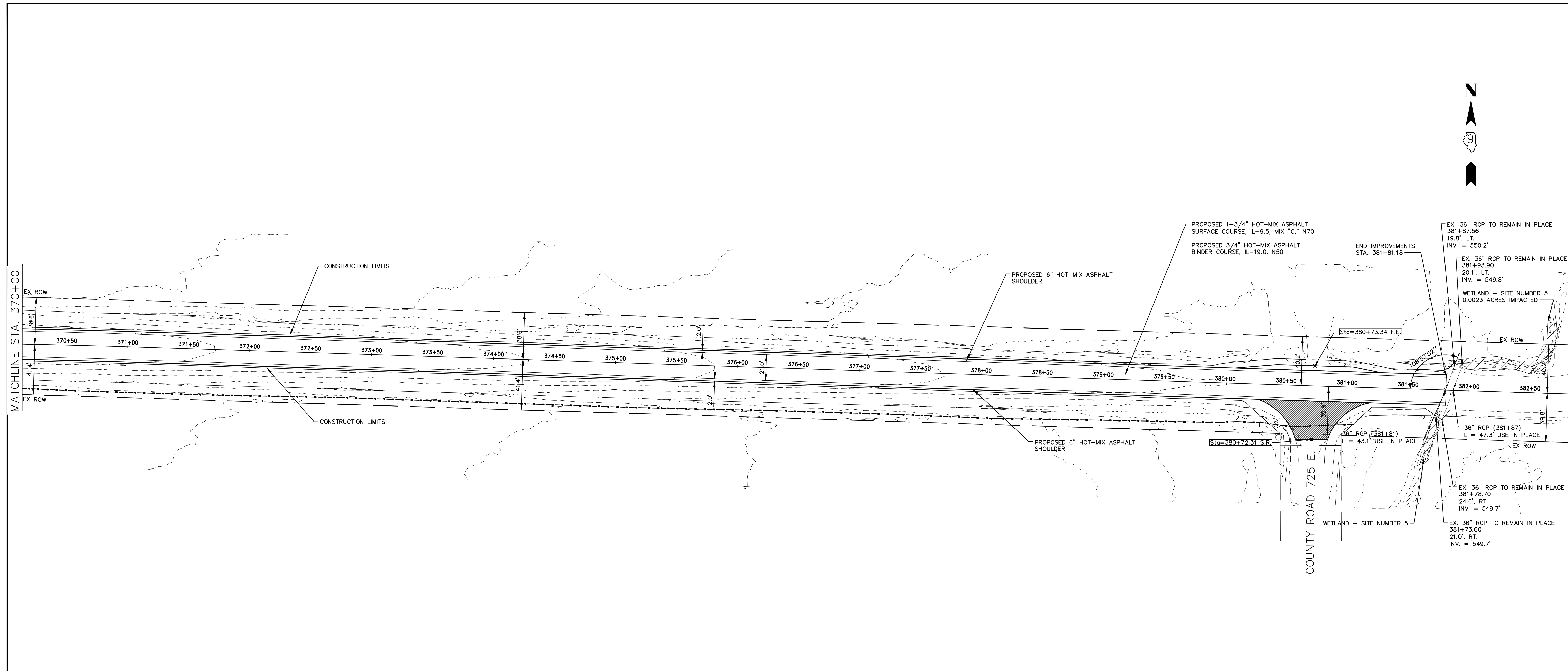
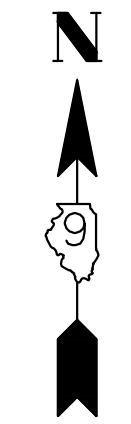
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1"=40' SHEET 30 OF 31 SHEETS STA. 358+00.00 TO STA. 370+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	41
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



559.77 559.6	559.77 559.6	559.60 559.4	559.31 559.1	559.09 558.9	558.87 558.7	558.66 558.4	558.47 558.3	558.30 558.1	558.14 557.9	557.83 557.6	557.50 557.3	557.06 556.9	556.80 556.6	556.59 556.4	556.32 556.1	556.02 555.8	555.79 555.6	555.51 555.3	555.29 555.1	555.22 555.0	555.10 554.9	554.95 554.7	554.88 554.7	554.71 554.5
370+50	371+00	371+50	372+00	372+50	373+00	373+50	374+00	374+50	375+00	375+50	376+00	376+50	377+00	377+50	378+00	378+50	379+00	379+50	380+00	380+50	381+00	381+50	382+00	

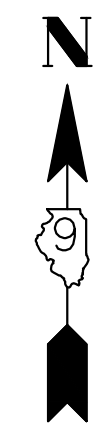
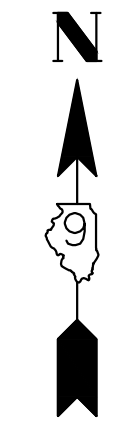
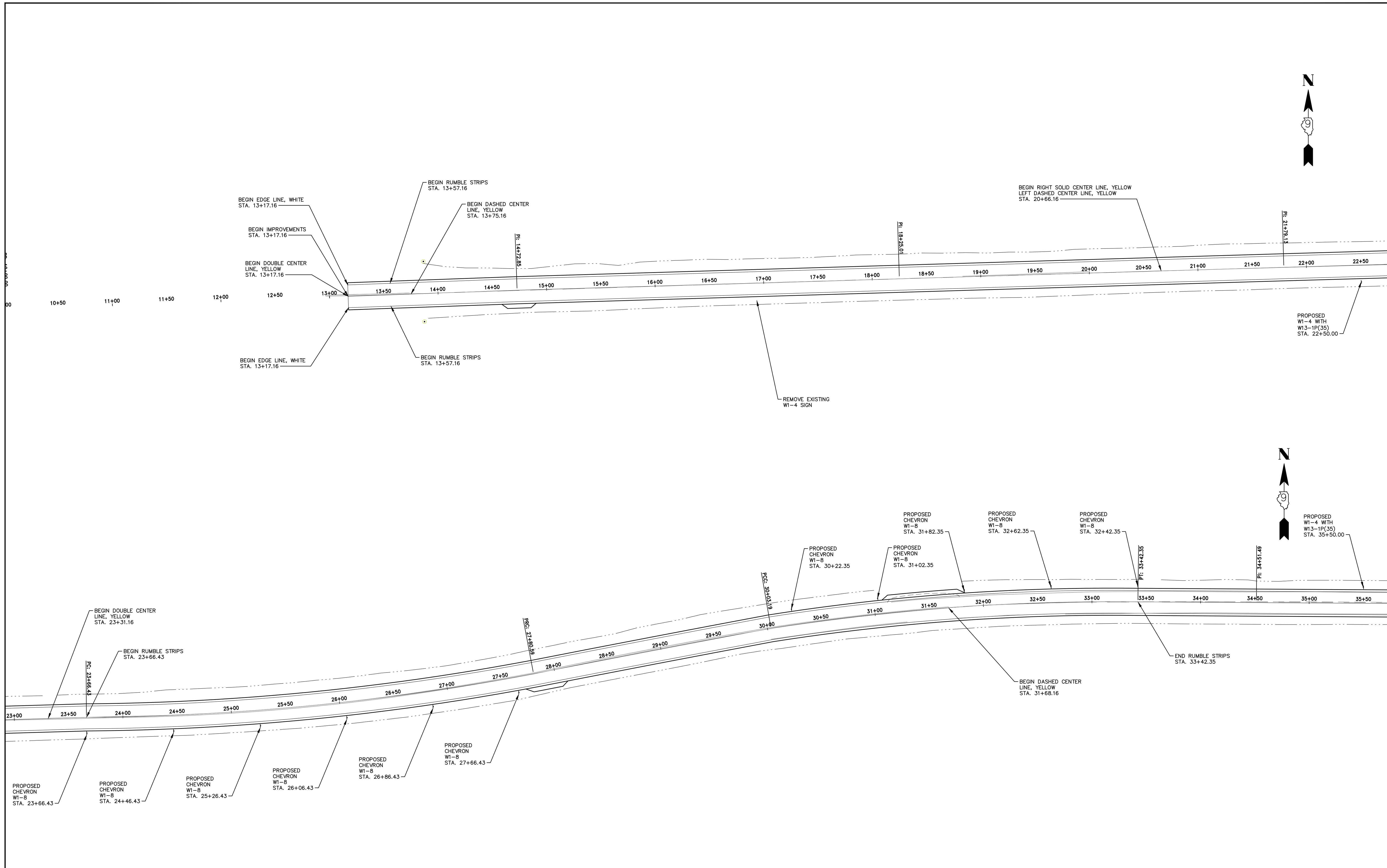
HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE
 SCALE: 1"=40'
 SHEET 31 OF 31 SHEETS
 STA. 370+00.00 TO STA. 382+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	42
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

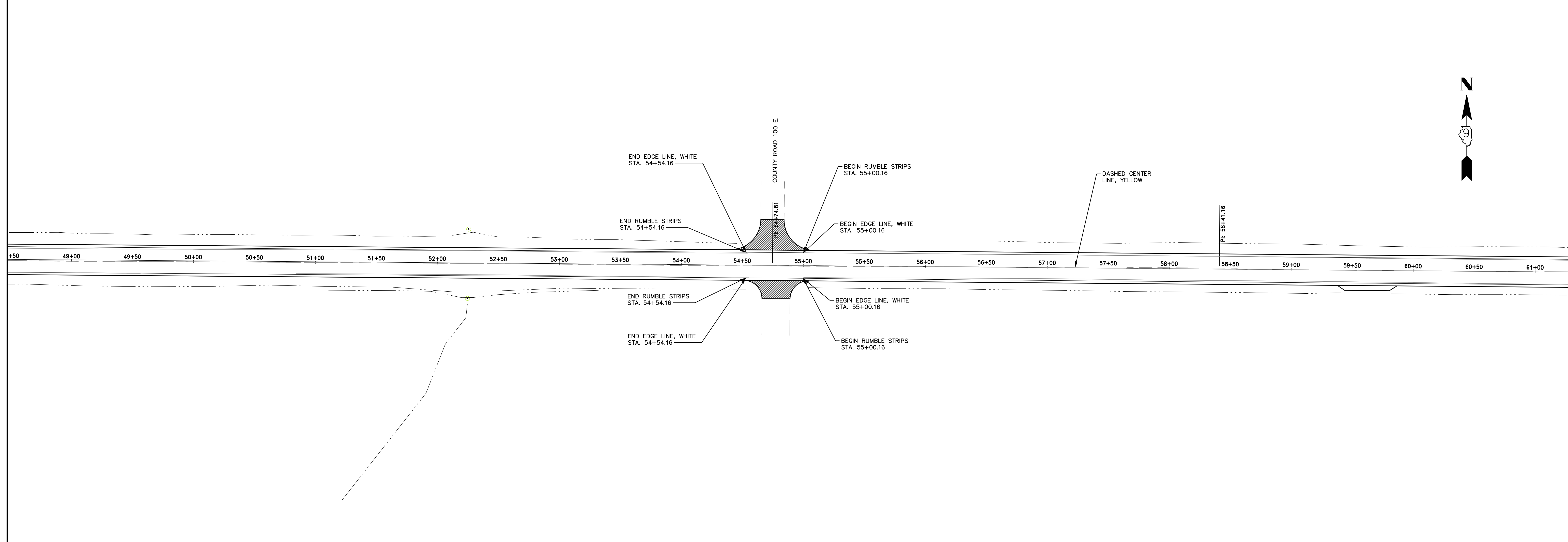
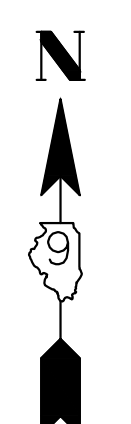
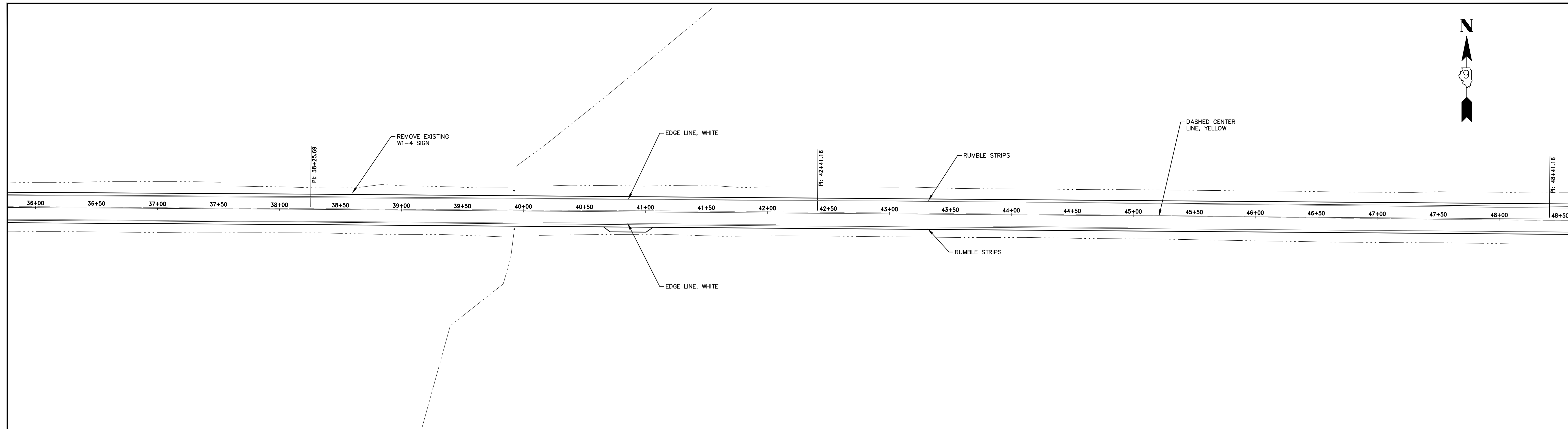
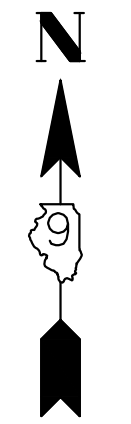
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 1 OF 15 SHEETS STA. 10+00.00 TO STA. 36+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	43
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



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 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

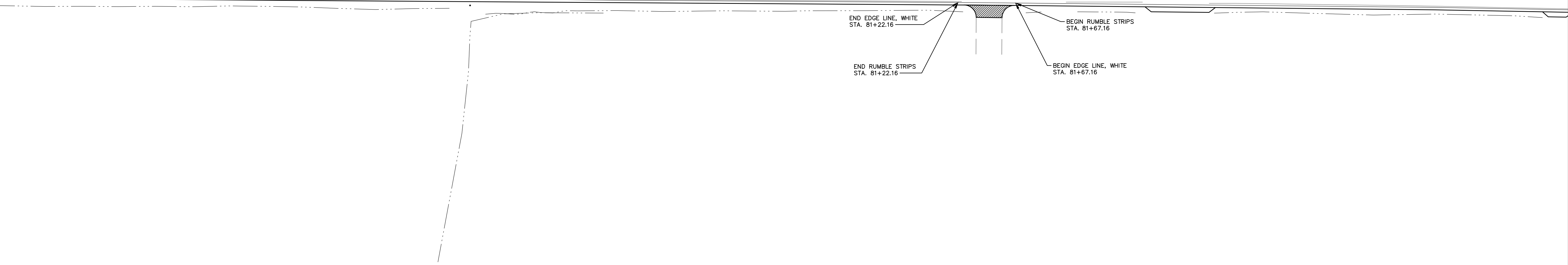
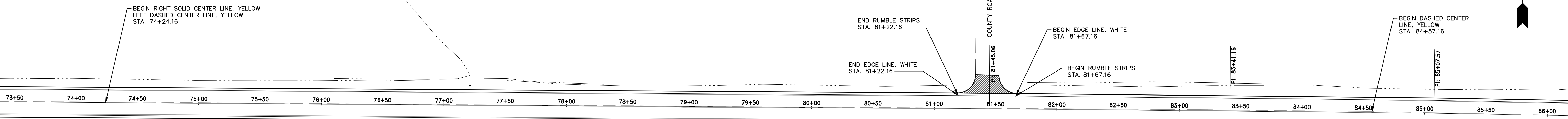
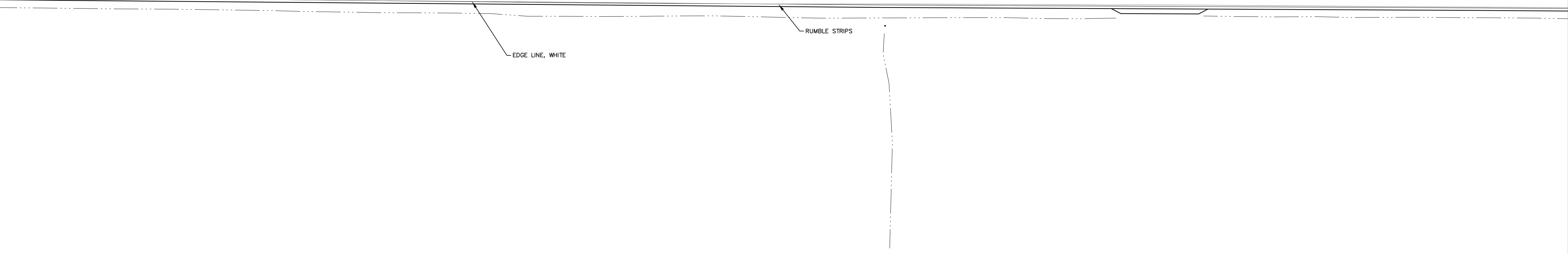
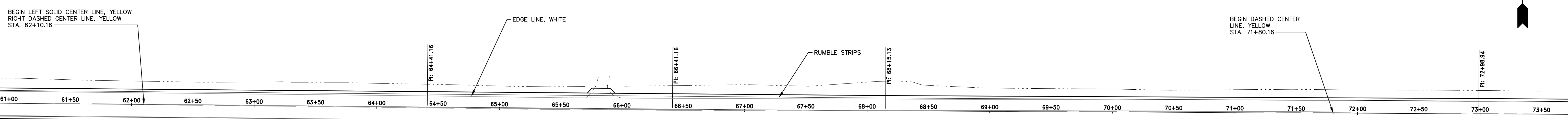
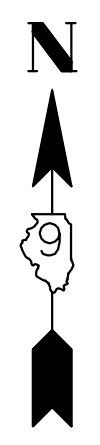
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 2 OF 15 SHEETS STA. 36+00 TO STA. 61+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	44
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
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 LS / PE / SE CORP. 184.000959

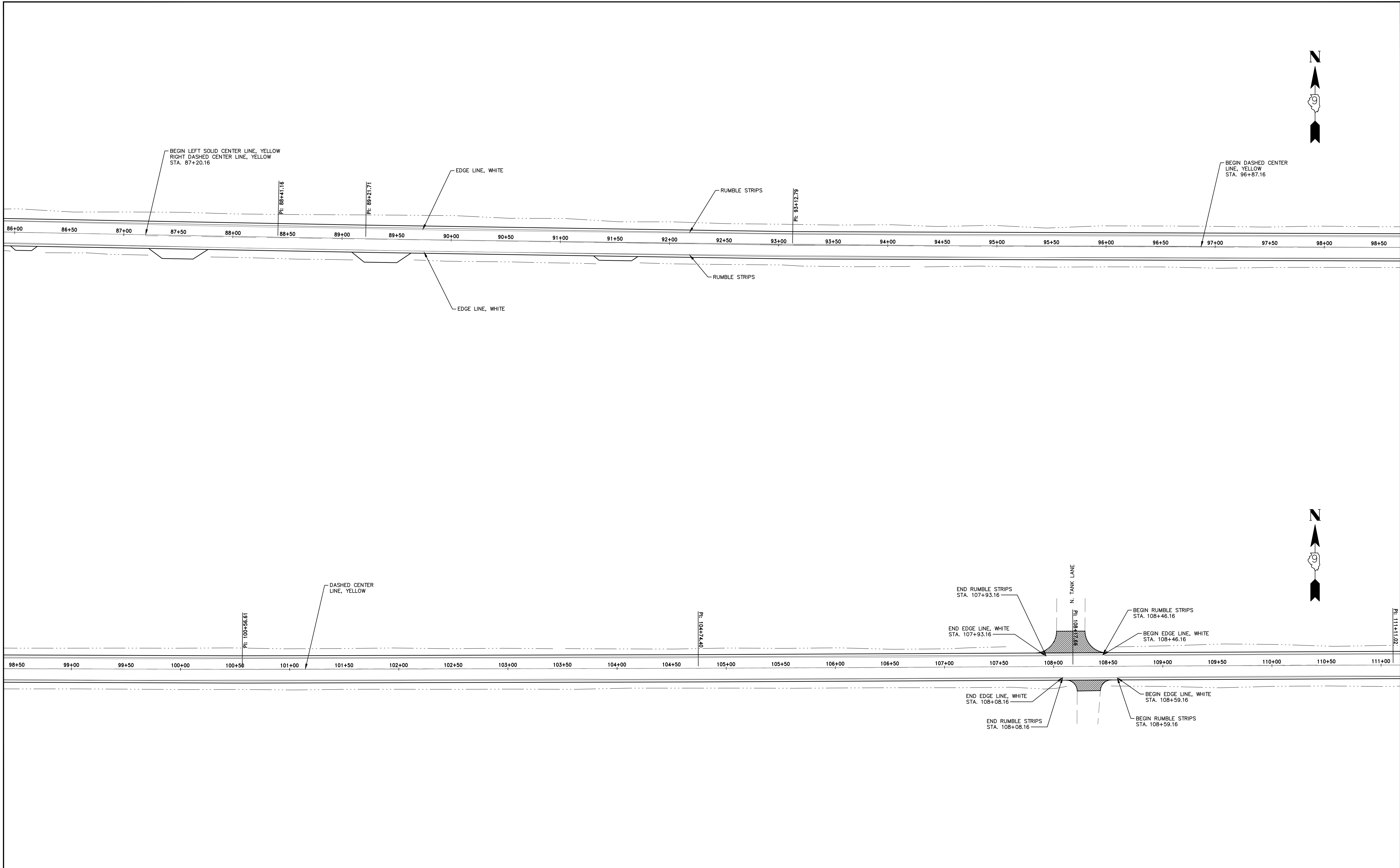
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 3 OF 15 SHEETS STA. 61+00 TO STA. 86+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	45
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
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 LS / PE / SE CORP. 184.000959

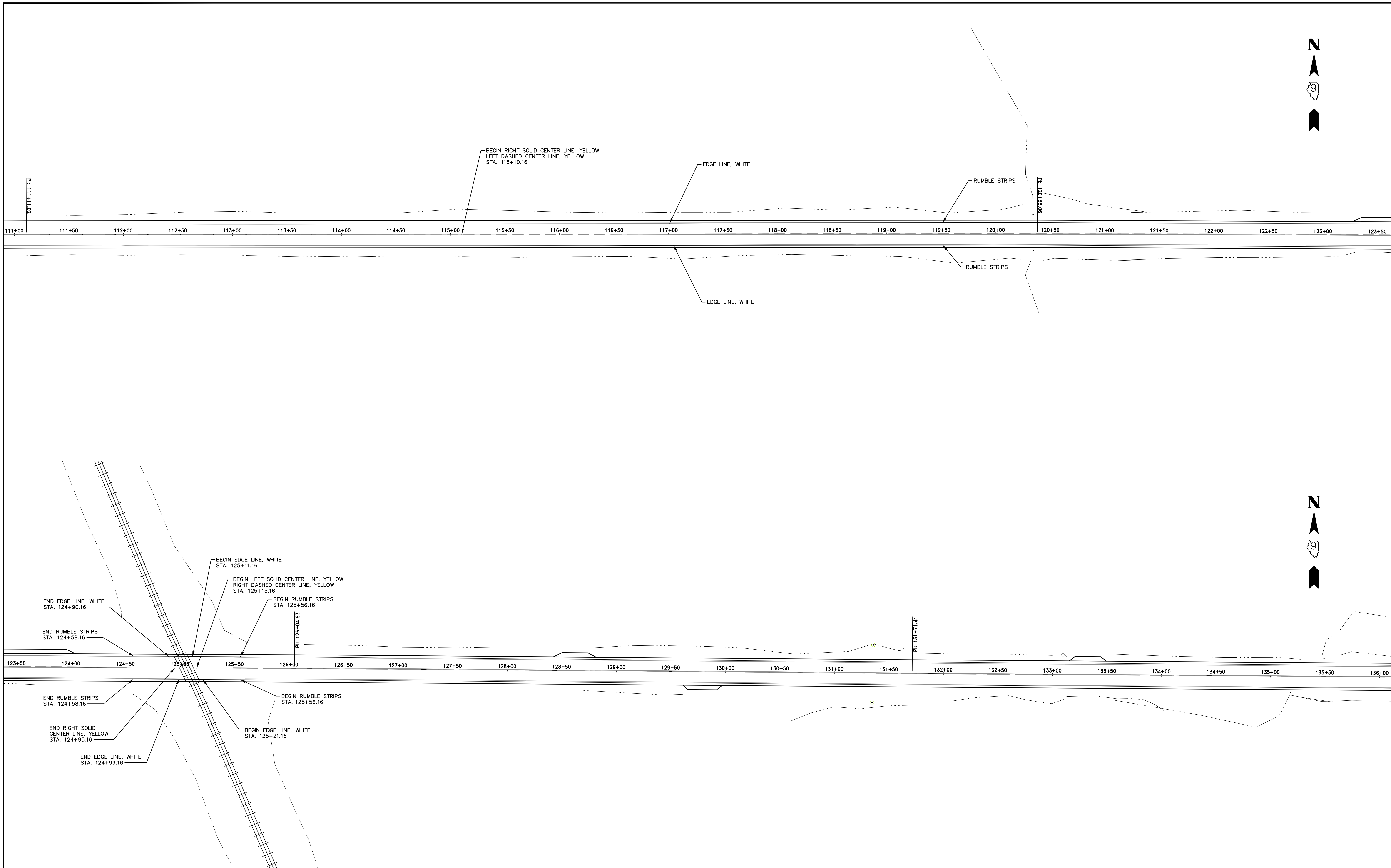
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 4 OF 15 SHEETS STA. 86+00.00 TO STA. 111+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	46
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

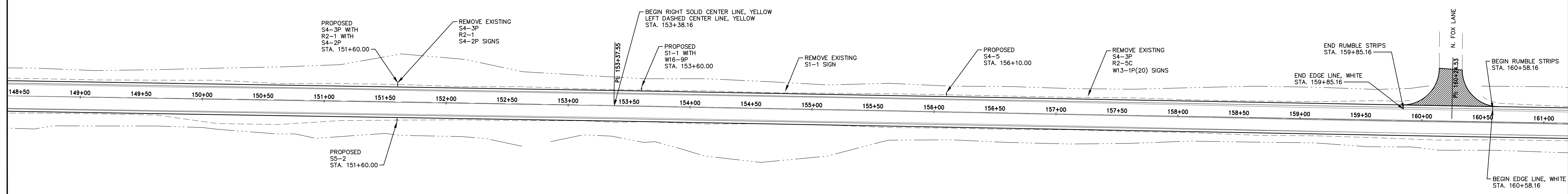
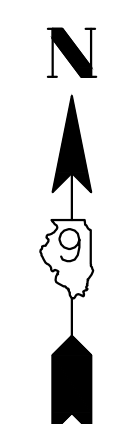
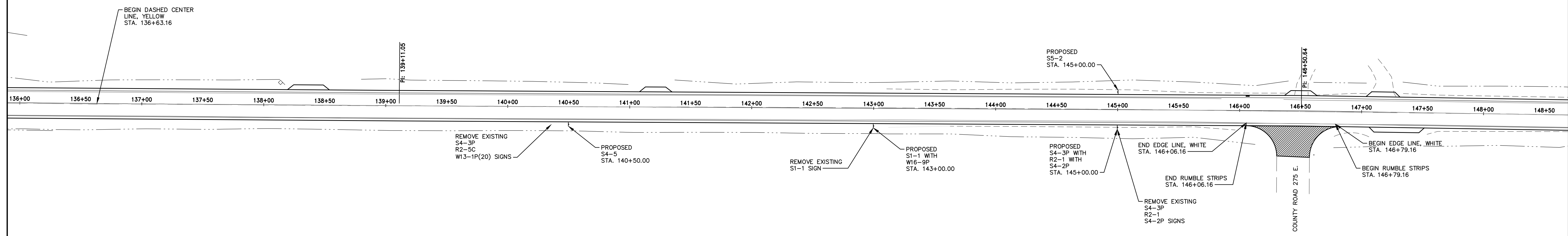
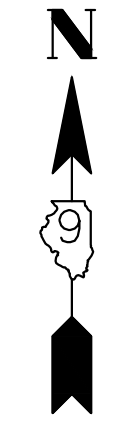
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 5 OF 15 SHEETS STA. 111+00.00 TO STA. 136+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	47
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.0009959

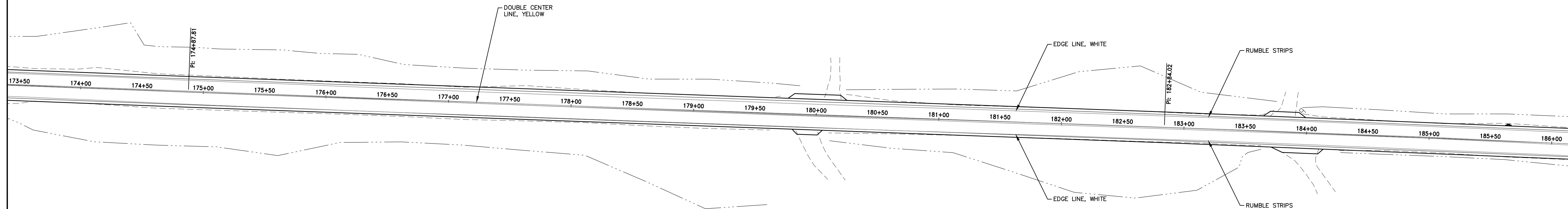
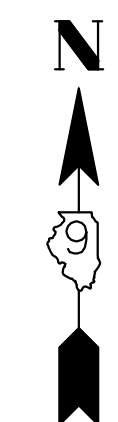
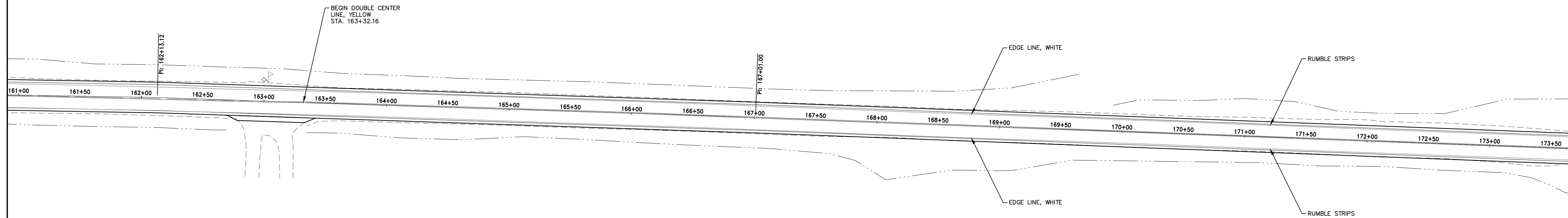
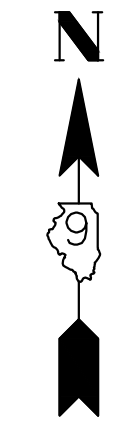
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 6 OF 15 SHEETS STA. 136+00 TO STA. 161+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	48
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

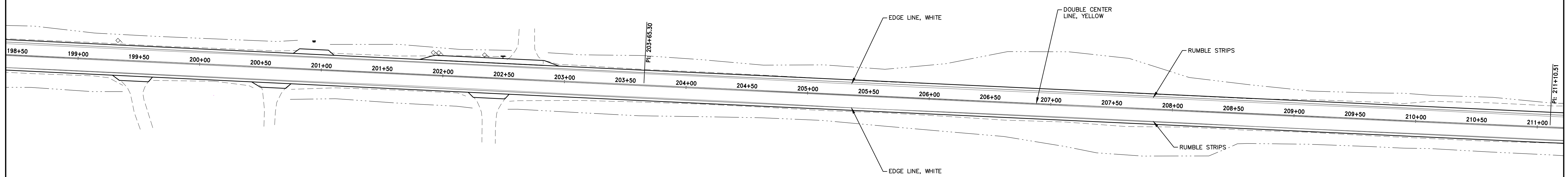
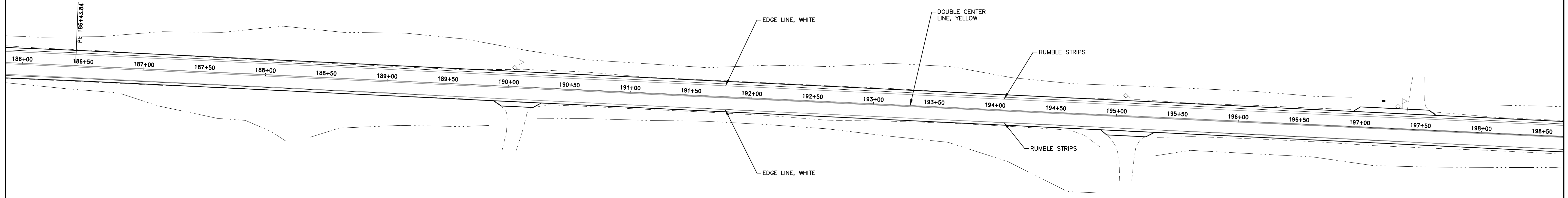
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FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 7 OF 15 SHEETS STA. 161+00 TO STA. 186+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	49
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

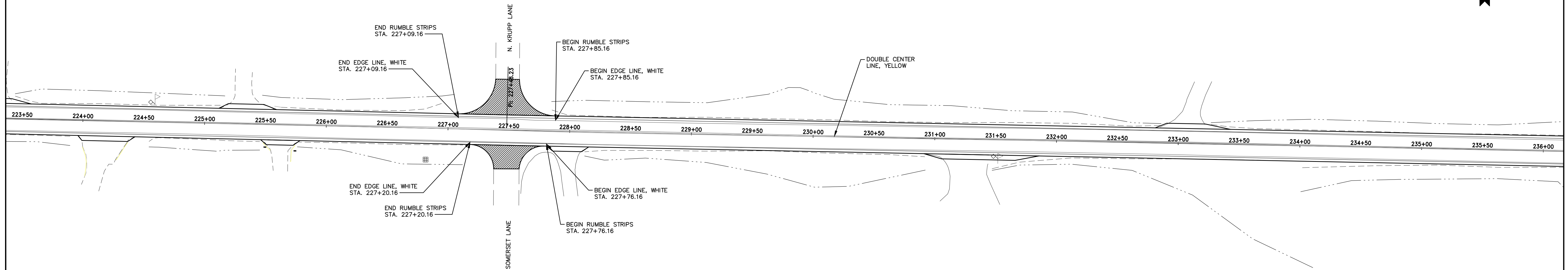
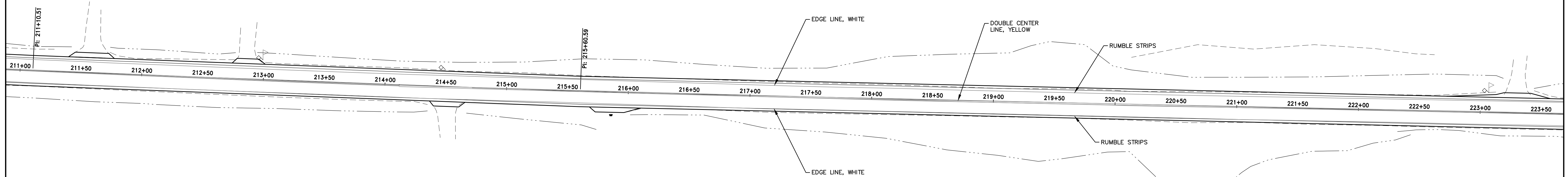
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 8 OF 15 SHEETS STA. 186+00 TO STA. 211+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	50
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



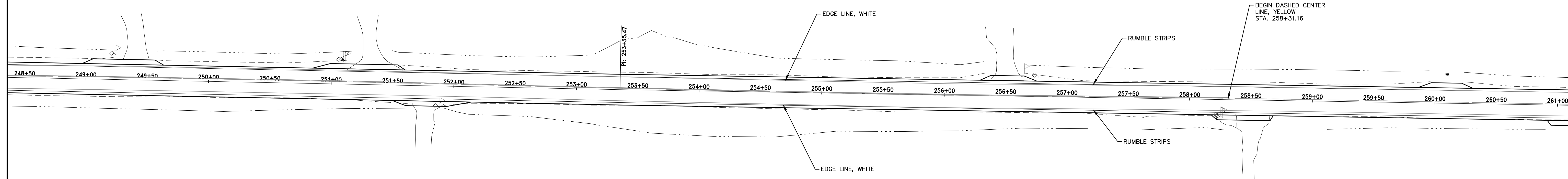
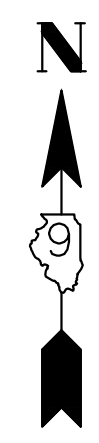
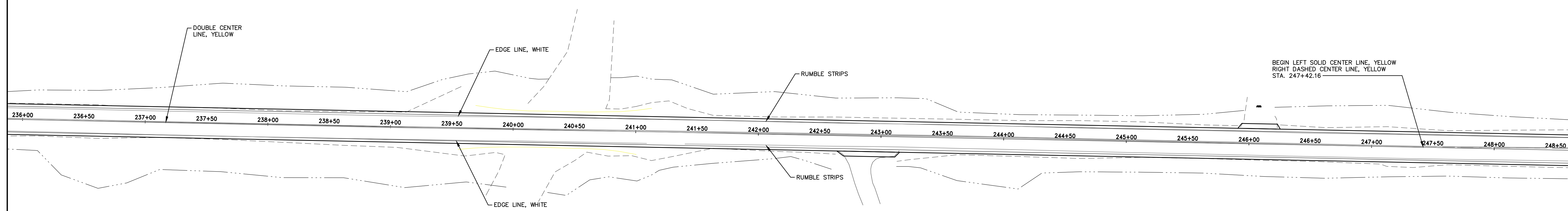
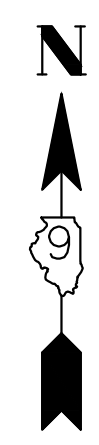
HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING		
SCALE: 1"=40'	SHEET 9 OF 15 SHEETS	STA. 211+00 TO STA. 236+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	51
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
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 LS / PE / SE CORP. 184.000959

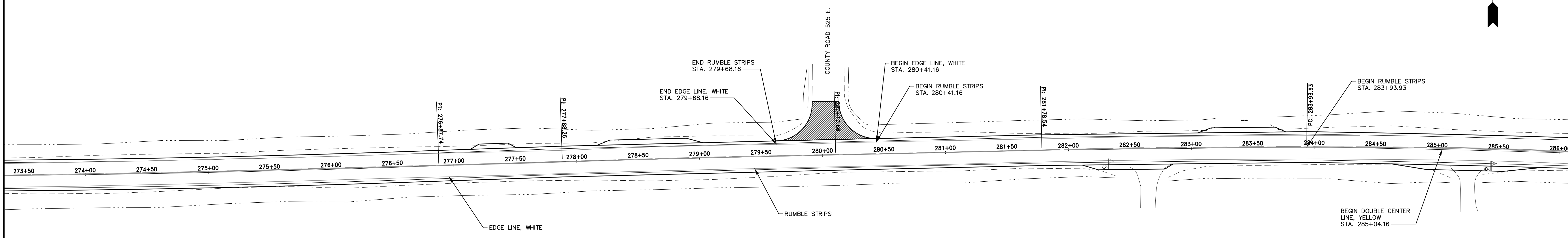
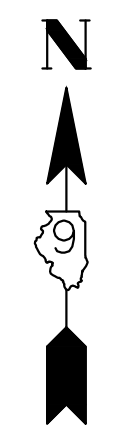
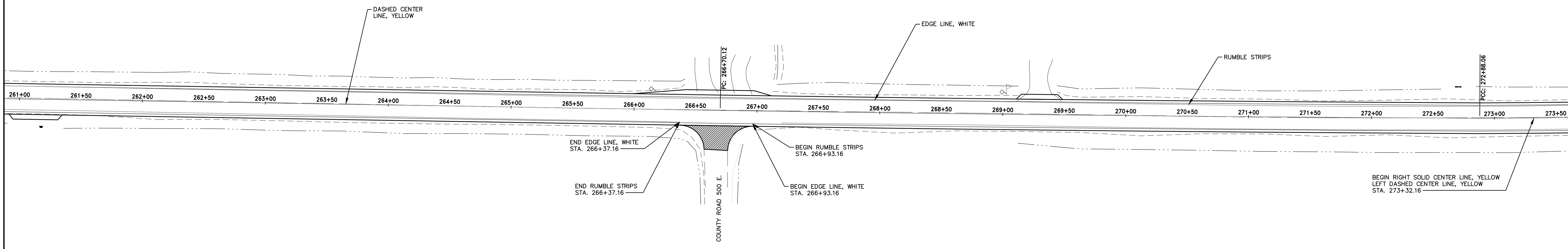
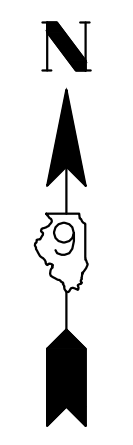
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 10 OF 15 SHEETS STA. 236+00 TO STA. 261+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	52
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
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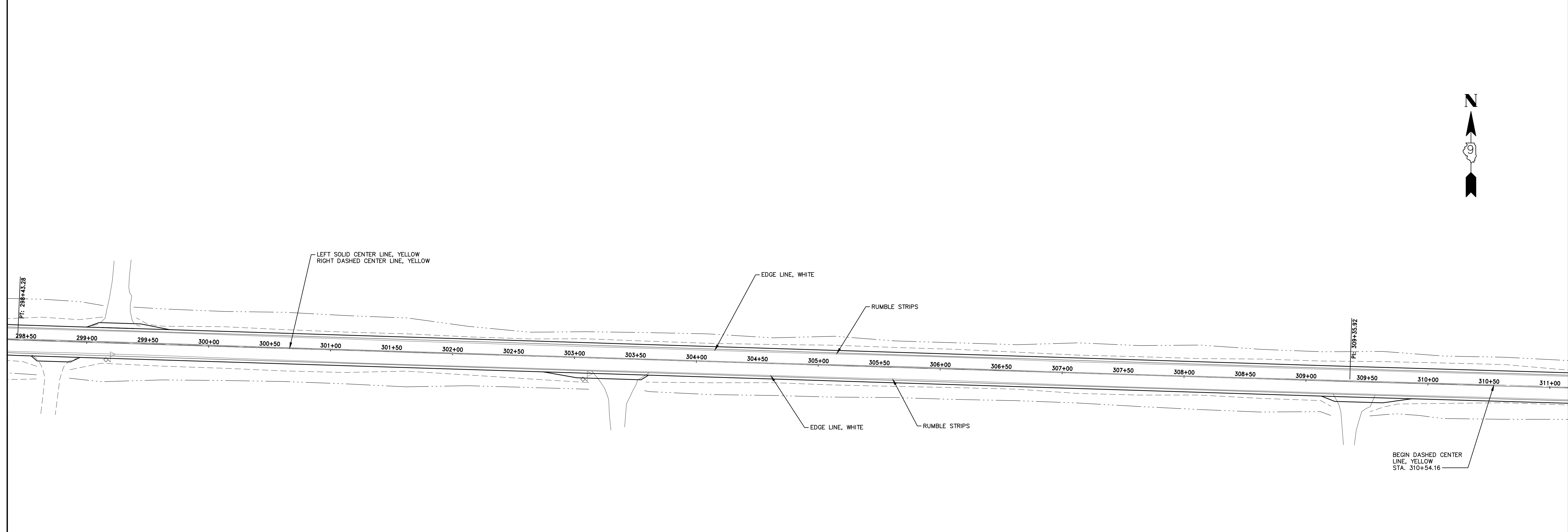
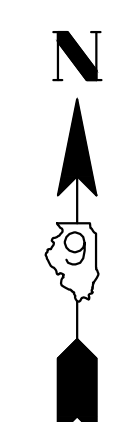
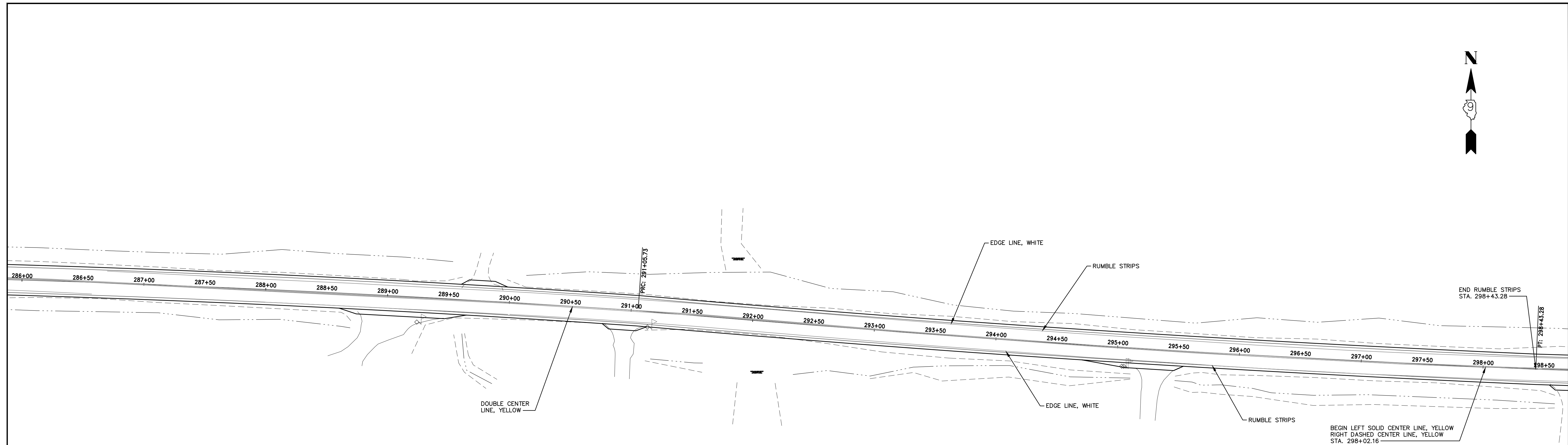
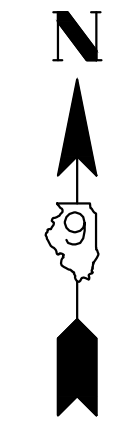
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 11 OF 15 SHEETS STA. 261+00 TO STA. 286+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	53
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



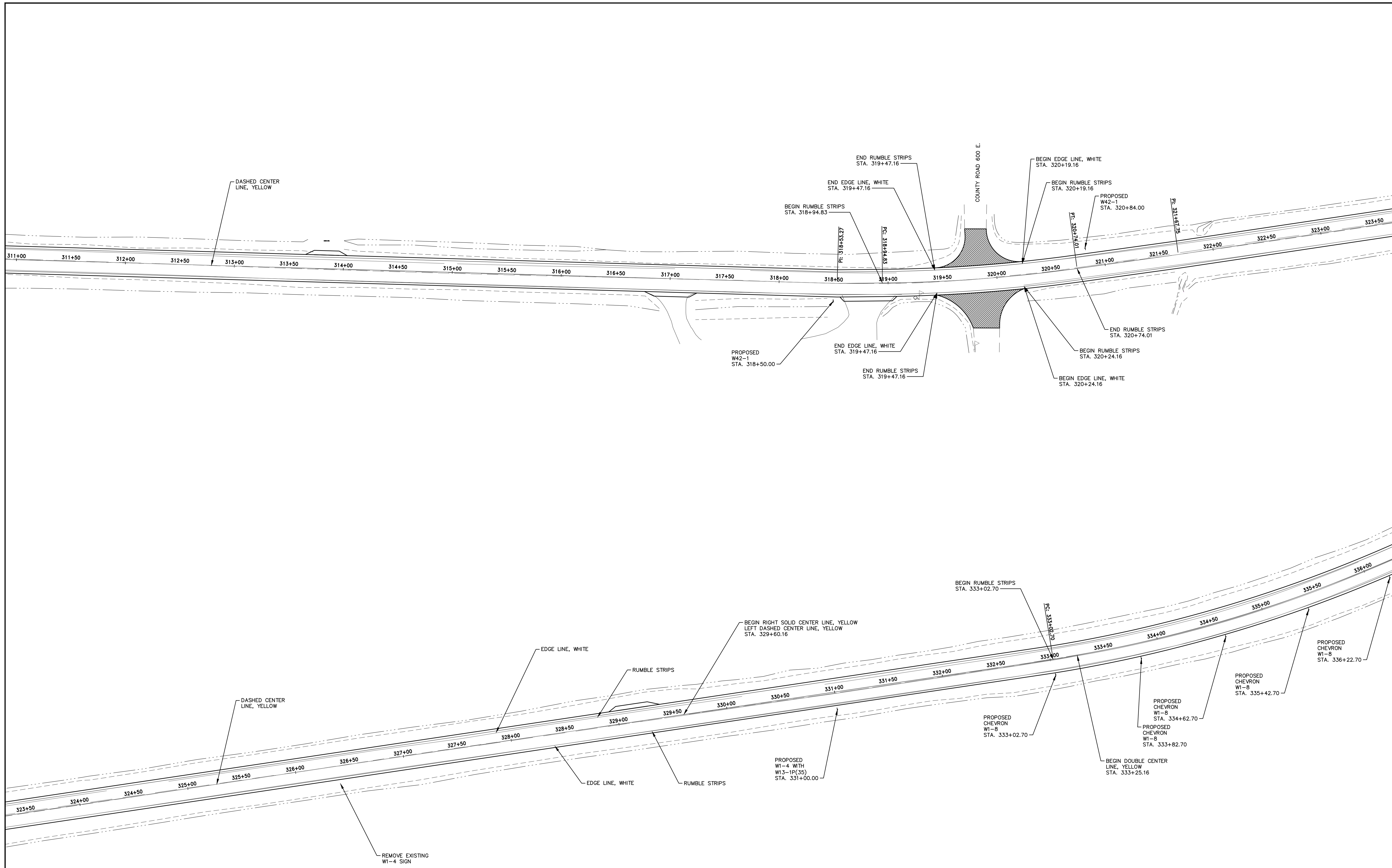
HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING		
SCALE: 1"=40'	SHEET 12 OF 15 SHEETS	STA. 286+00 TO STA. 311+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	54
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

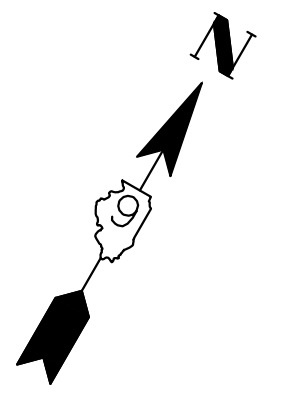
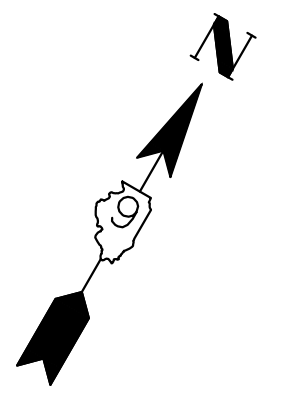
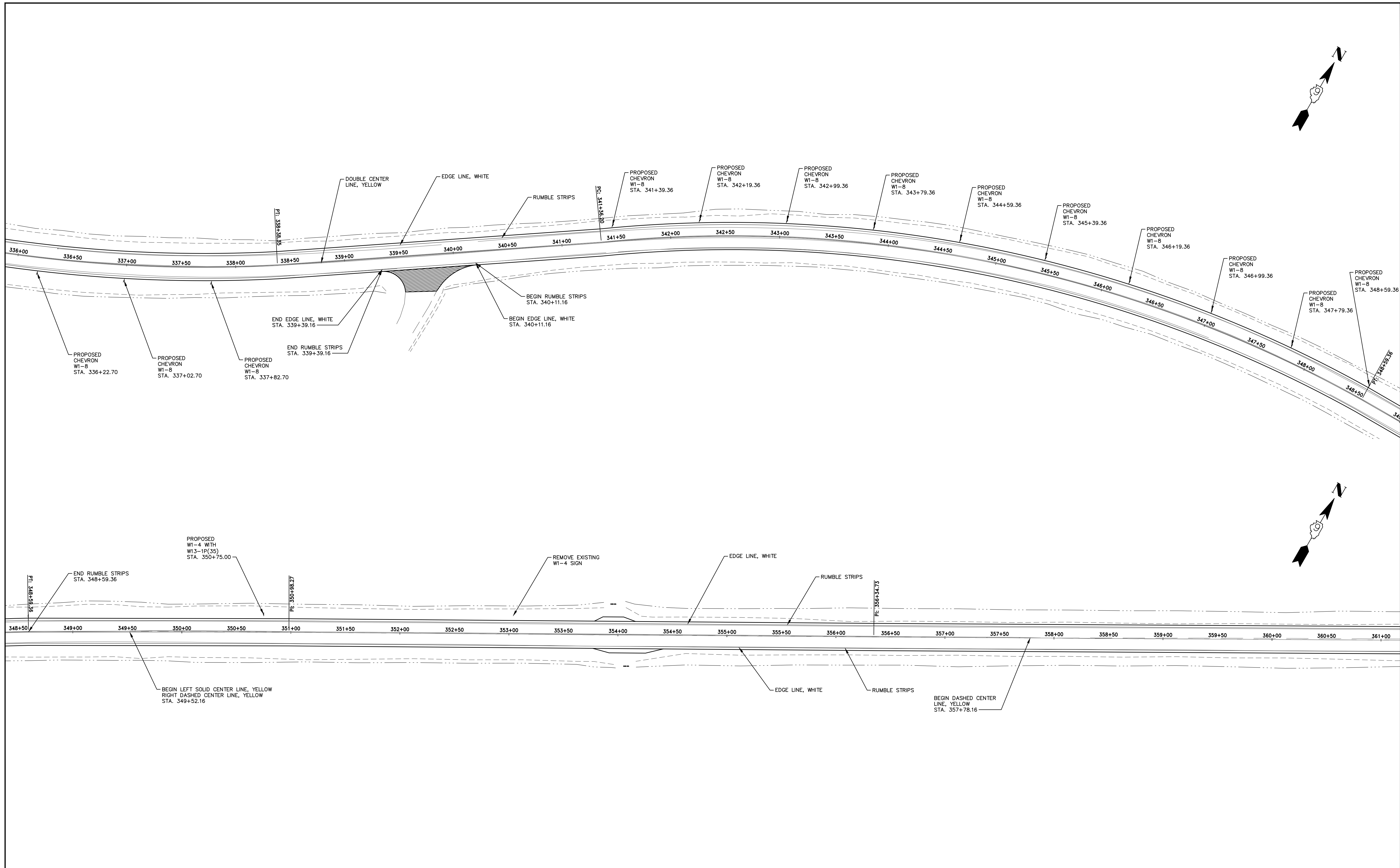
PROJECT NO. - 21.0097.330	DESIGNED - SEK	REVISED - XXXX
FILE NAME - 210097.dwg	DRAWN - SEK	REVISED - XXXX
PLOT SCALE - 5H=1V	CHECKED - SAA	REVISED - XXXX
PLOT DATE - 06/04/2021	DATE - 06/08/2021	REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 13 OF 15 SHEETS STA. 311+00 TO STA. 336+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	55
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

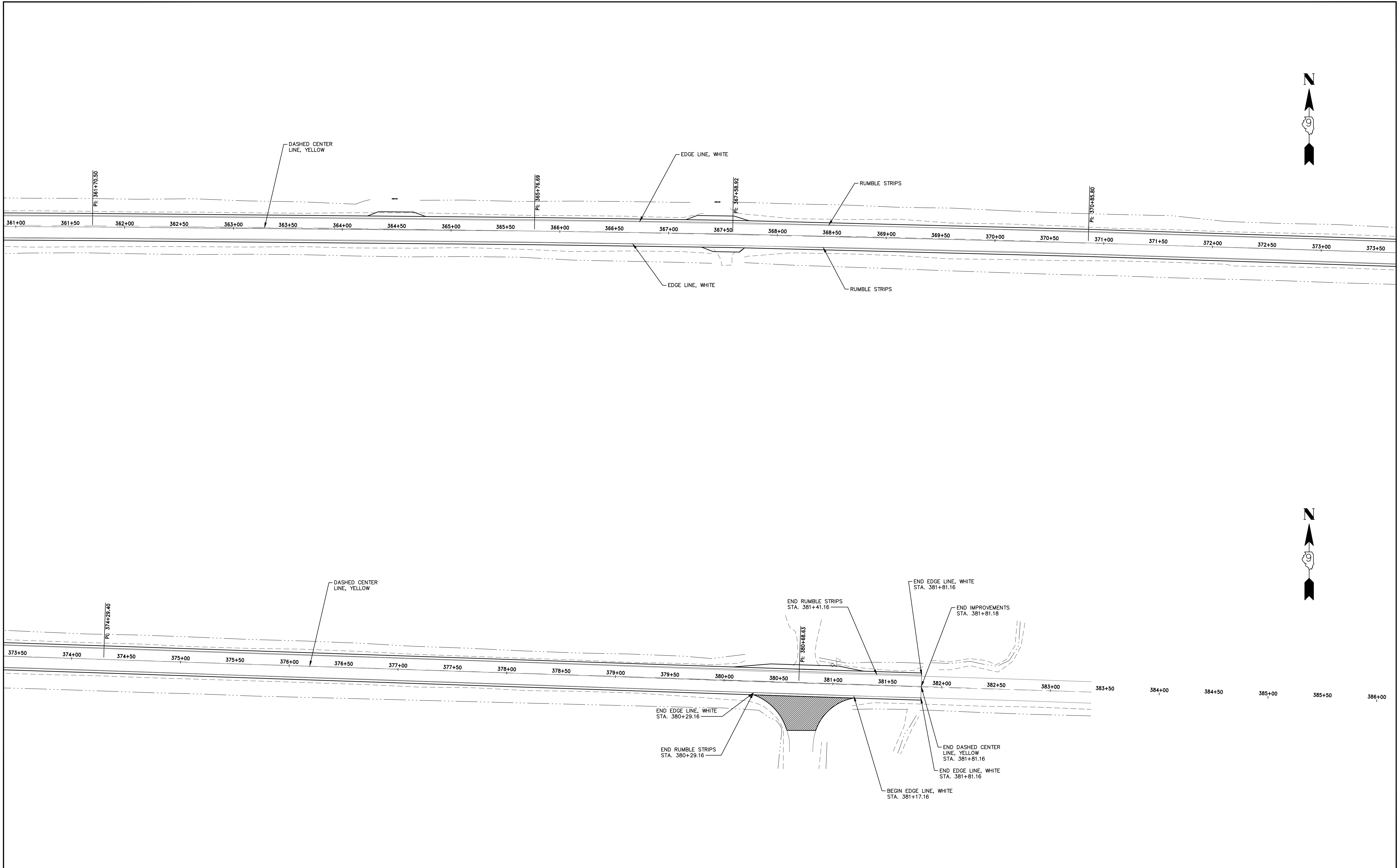
REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

SCALE: 1"=40' SHEET 14 OF 15 SHEETS STA. 336+00 TO STA. 361+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	56
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000999

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 5H=1V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/08/2021

REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

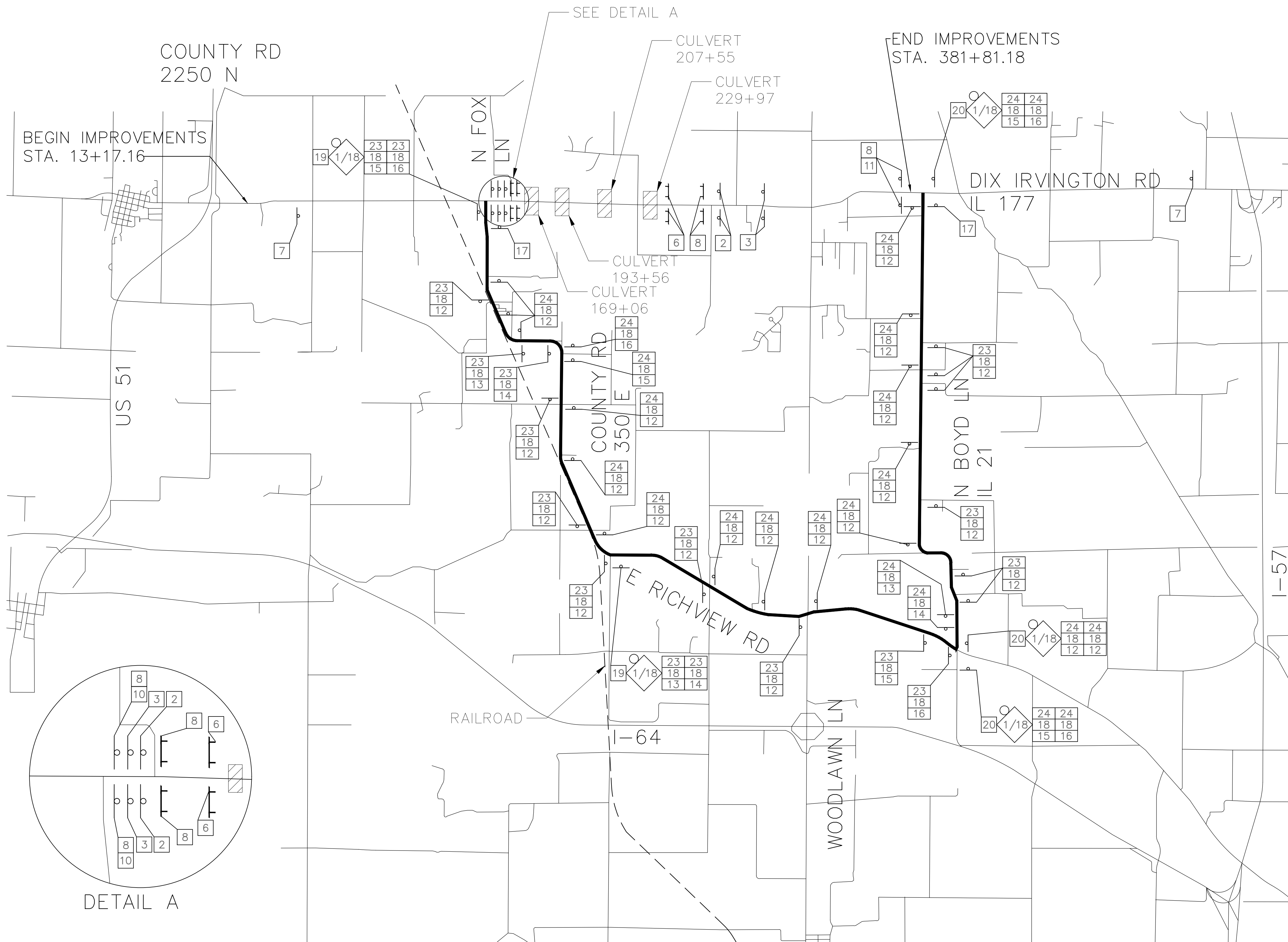
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING

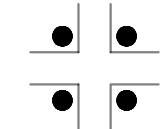
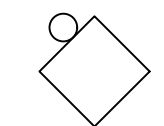
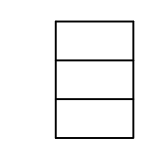
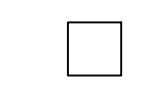


SCALE: 1"=40' SHEET 15 OF 15 SHEETS STA. 361+00 TO STA. 381+81.18

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	57
DIX-IRVINGTON ROAD / CH 39		CONTRACT NO. 99692		
C-99-043-18		ILLINOIS FEDERAL AID PROJECT: A14M(523)		

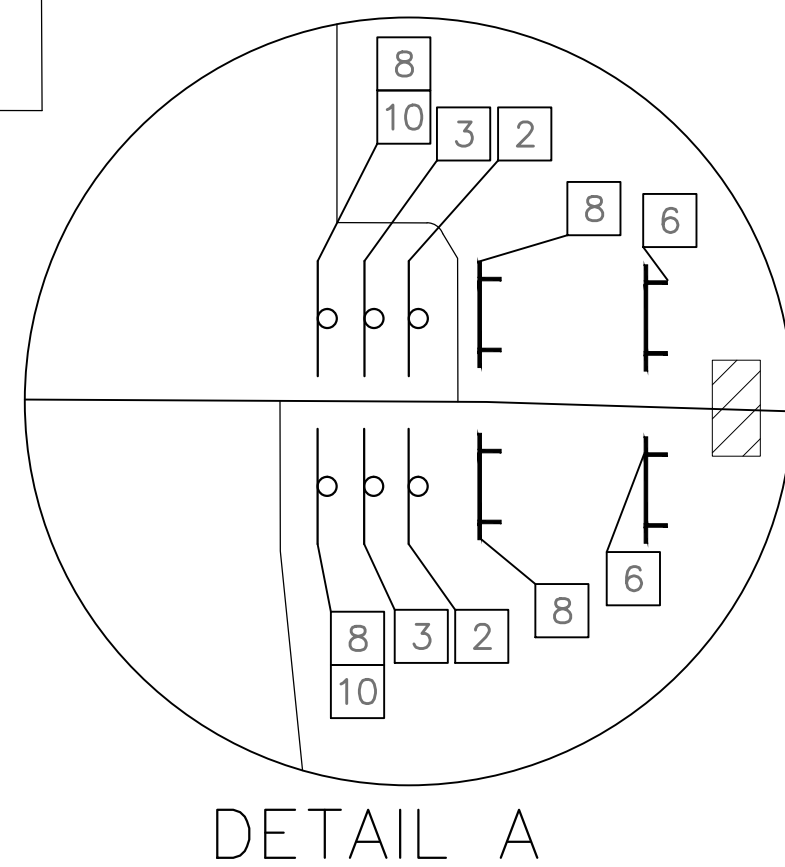
DETOUR PLAN



LEGEND

-  SIGNALIZED INTERSECTION
-  48"X48" CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE
-  M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
-  OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
-  TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
-  DETOUR ROUTE

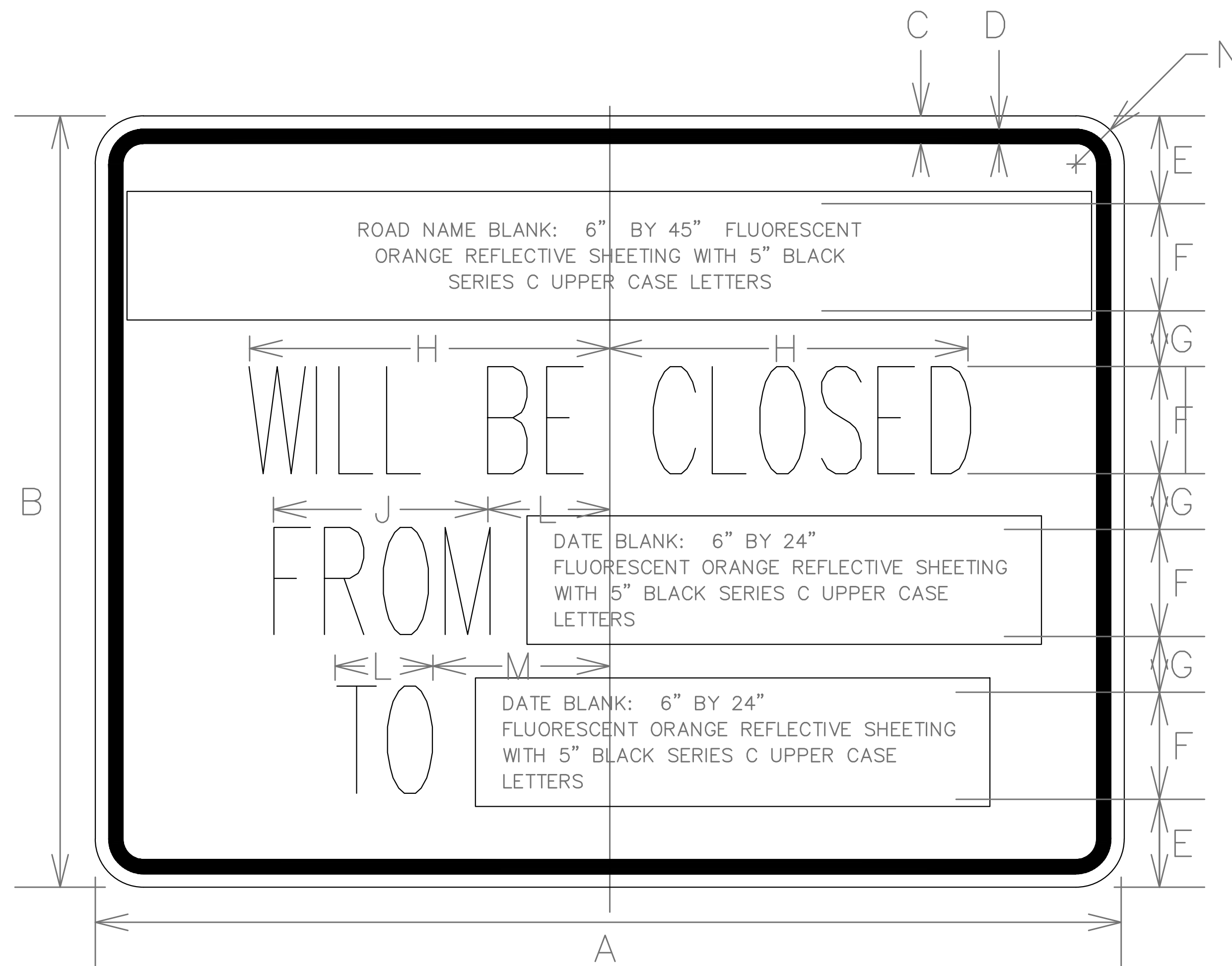
- SPECIAL DETOUR NOTES:
1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 60 FOR THE DETOUR GENERAL NOTES.
 2. SEE SHEET 59 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
 3. A MINIMUM OF 8 TYPE III BARRICADES WILL BE NEEDED FOR THIS DETOUR AND ROAD CLOSURE. SEE DETOUR GENERAL NOTE 9.
 4. PRIOR TO AND AT THE CONCLUSION OF THE DETOUR PLAN, THE TRAFFIC CONTROL PLAN SHOWN ON SHEET 58 SHALL BE IN EFFECT.
 5. THE DURATION OF THE DETOUR SHALL NOT EXCEED 52 CALENDAR DAYS.
 6. THE LIQUIDATED DAMAGES FOR EXCEEDING THE CALENDAR DAYS ALLOWED SHALL BE \$5,000.00 PER CALENDAR DAY.



NUMBER OF SIGNS 6



DATES SHOWN ARE FOR EXAMPLE ONLY



DIMENSIONS (ENGLISH)

A	48"
B	36"
C	5/8"
D	7/8"
E	4 1/8"
F	5"
G	2 5/8"
H	9 3/4"
J	12"
K	5 1/2"
L	5 1/2"
M	8 1/2"
N	2 1/4"

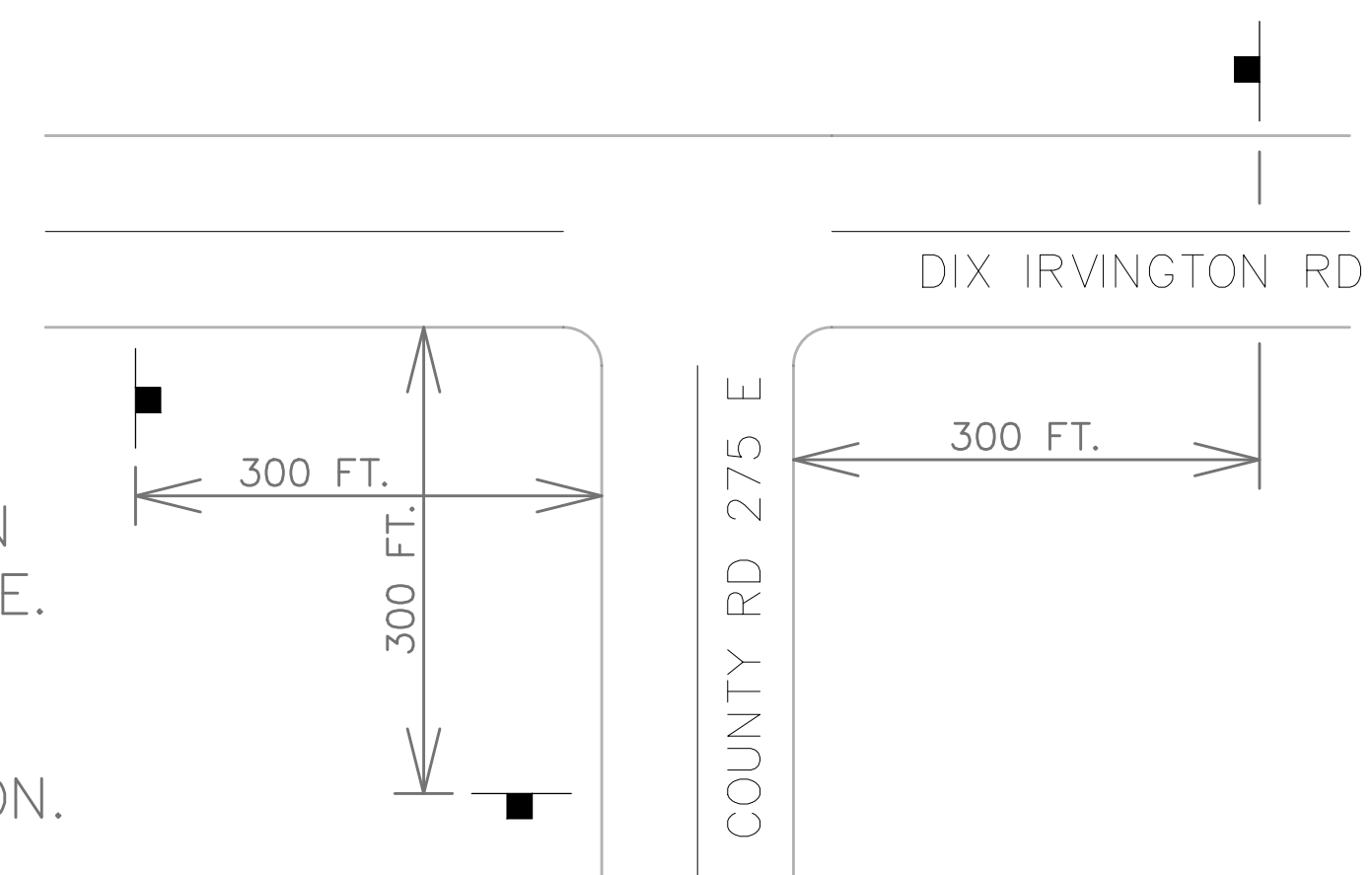
NOTE: SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5 INCH (120 mm) BLACK SERIES C LETTERS

LOCATIONS OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION

- N.B. COUNTY ROAD 275 E, SOUTH OF DIX IRVINGTON ROAD
- E.B. DIX IRVINGTON ROAD, WEST OF COUNTY ROAD 275 E
- W.B. DIX IRVINGTON ROAD, EAST OF COUNTY ROAD 275 E
- N.B. N BOYD ROAD, SOUTH OF DIX IRVINGTON ROAD
- E.B. DIX IRVINGTON ROAD, WEST OF N BOYD ROAD
- W.B. DIX IRVINGTON ROAD, EAST OF N BOYD ROAD

NOTE:
THESE SIGNS SHALL BE INSTALLED 7-10 CALENDAR DAYS PRIOR TO THE DETOUR AND ROAD CLOSURE. THE SIGNS SHALL BE REMOVED THE DAY THE DETOUR BEGINS.

SIGN LAYOUT FOR PRE-DETOUR INFORMATION SIGNS AT THE INTERSECTION OF DIX IRVINGTON ROAD AND COUNTY ROAD 275 E. SIGNS AT DIX IRVINGTON ROAD AND N BOYD ROAD WILL BE INSTALLED IN A SIMILAR FASHION.



SCHEDULE OF QUANTITIES

DETOUR GENERAL NOTES

SIGN NO.	SIGN	SIGN TYPE	QUANTITY	SIGN NO.	SIGN	SIGN TYPE	QUANTITY
①		W20-2	5	⑮		M4-9L	5
②		W20-3	2	⑯		M4-9L	5
③		W20-3	2	⑰		M4-8a	2
④		W20-3	0	⑱		SPECIAL	49
⑤		W21-1100	0	⑲		SPECIAL	2
⑥		R11-2	2	⑳		SPECIAL	3
⑦		R11-3	2	㉑		SPECIAL	0
⑧		R11-4	6	㉒		SPECIAL	0
⑨		R11-3	0	㉓		M3-2	20
⑩		M4-10R	2	㉔		M3-4	24
⑪		M4-10L	2				
⑫		M4-9	28				
⑬		M4-9R	3				
⑭		M4-9R	3				

- ALL SIGNING SHALL BE ACCORDING TO THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES" ADOPTED 2010, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE CONTRACT SPECIAL PROVISIONS - ARTICLE 108.03 PROSECUTION OF THE WORK & TRAFFIC CONTROL AND PROTECTION.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK.
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED ACCORDING TO THE DETOUR PLAN AND INSPECTED & APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM/HER ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAY'S AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL, INCLUDING ALL ADDITIONAL SIGNAGE AND/OR DEVICES, THAT ARE DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED EIGHT FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK:

STANDARD 701901
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

The design fill height for this box is 0.32 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

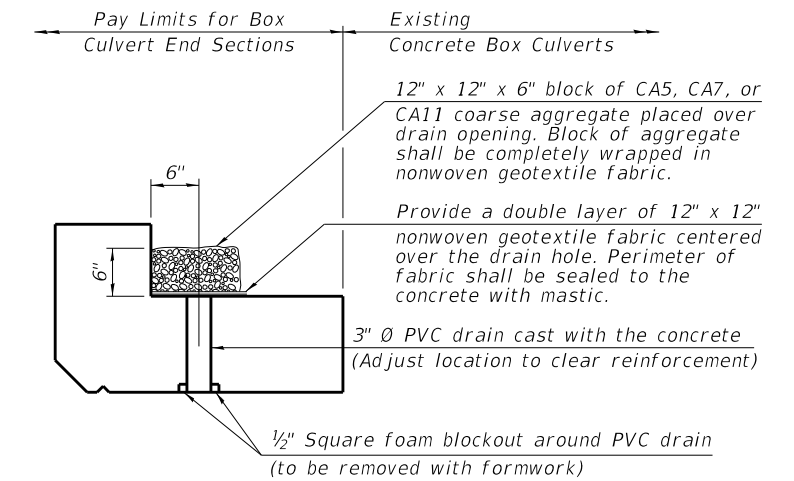
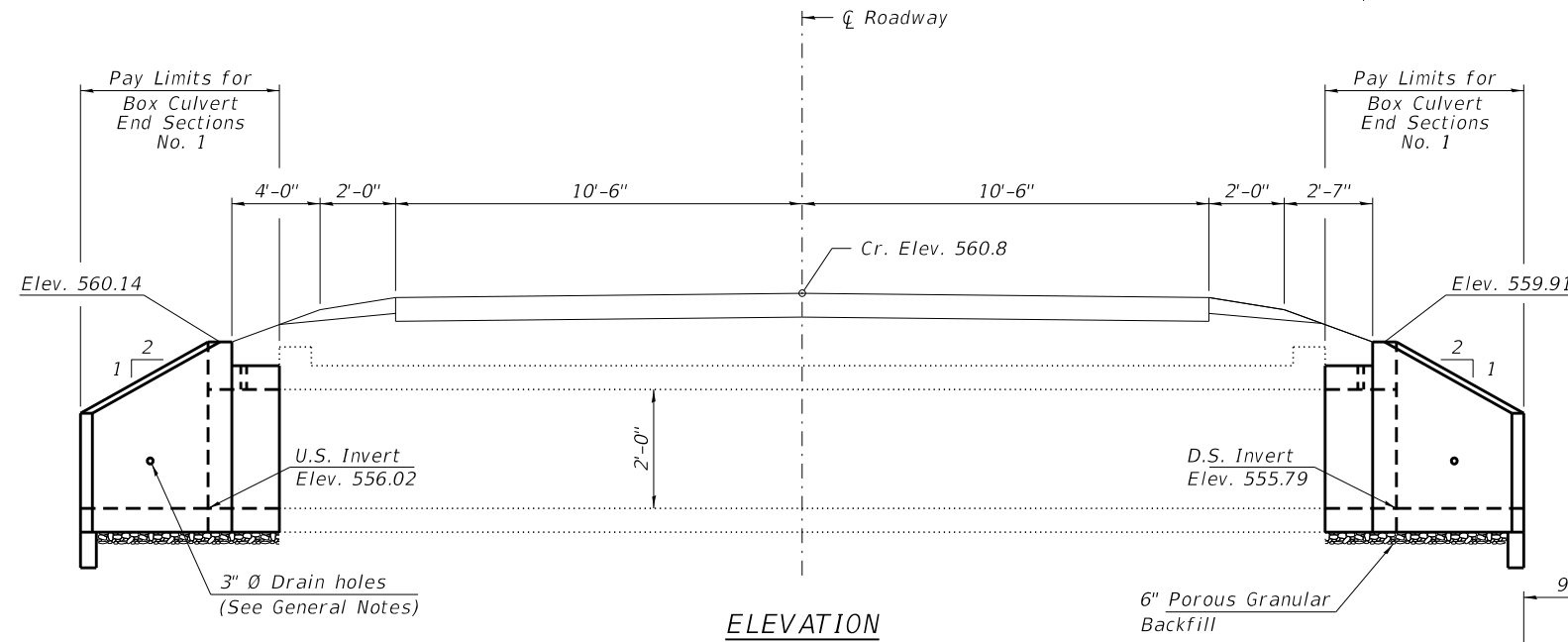
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Concrete Removal (Special) shall include areas shown in the detail of sheet 1 of 3, the existing headwalls, concrete apron, and silt at the downstream outlet that as needed to construct the proposed culvert.

The joints between precast box sections shall be sealed, all joints filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfill process.

Stone Riprap shall be installed according to thickness defined in article 281.04 or Std. Specs. Bedding is required.



(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

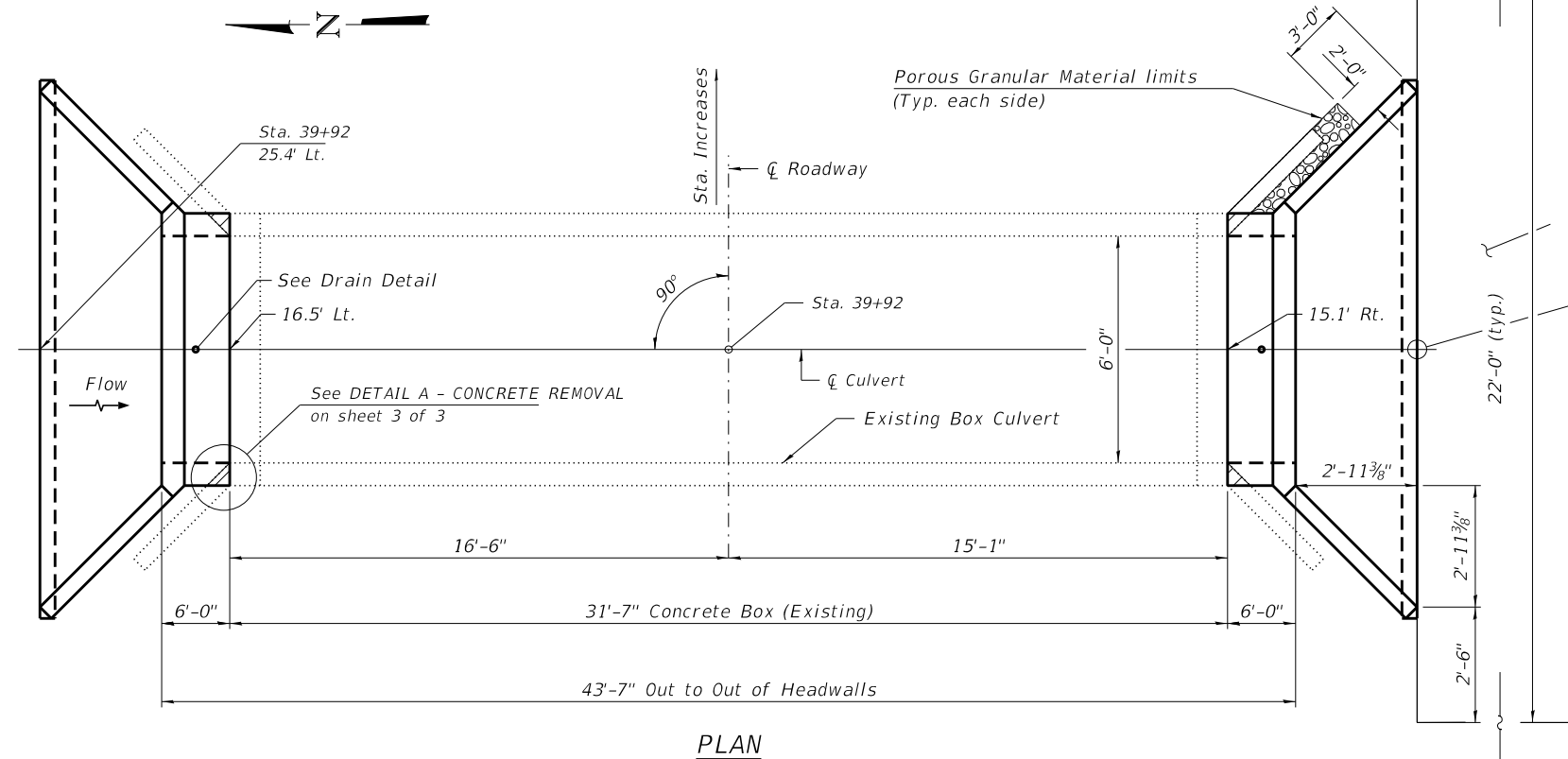
DESIGN STRESSES

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

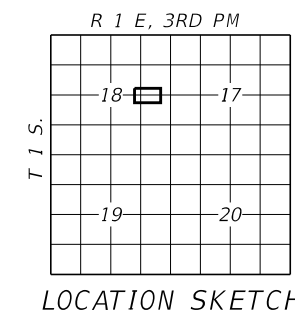
ITEM	UNIT	TOTAL
Porous Granular Embankment	Ton	7
Stone Riprap, Class A3	Sq. Yd.	44
Concrete Removal (Special)	L. Sum	1
Box Culvert End Sections, Culvert No. 1	Each	2
Membrane Waterproofing System for Buried Structure	Sq Yd	14
Expansion Bolt 3/4 Inch	Each	14



WATERWAY INFORMATION

Drainage Area = 281.6 acres					
Freq. Yr.	Freq. Yr.	Outlet Velocity	Low Edge of Pavement	Headwater Elev.	Headwater Depth
20	100	11.1	560.6	558.3	3.6
113	171				

= Concrete Removal, Special

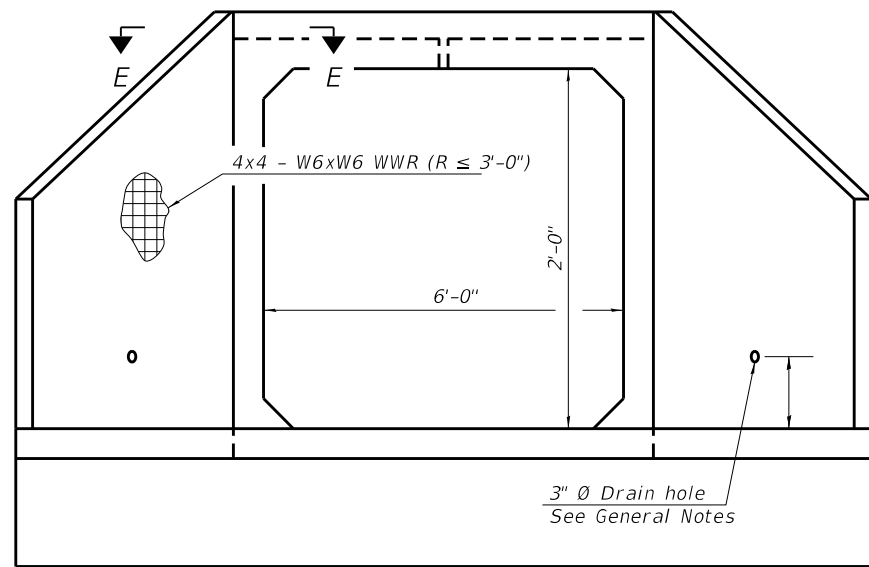


GENERAL PLAN AND ELEVATION
SEC. 17-00217-00-RS
F.A.S 819 / CH 39 / E. DIX-IRVINGTON RD
JEFFERSON COUNTY
STATION 39+92

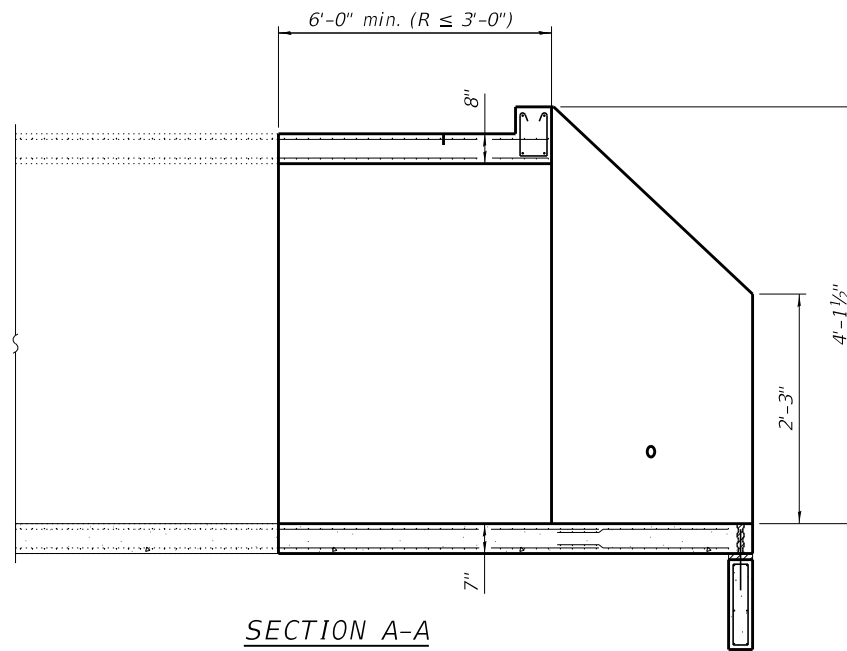
SCB-GPE

7-23-2021

FILE NAME = 210097 Culvert STA 39+92.dgn	USER NAME = lsmth	DESIGNED - J.R.B.	REVISIONS -	STATE OF ILLINOIS JEFFERSON COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN & ELEVATION STATION 39+92	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISIONS -			819	17-00217-00-RS	JEFFERSON	182	61	
3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009959	PLOT SCALE =	DRAWN - T.D.S.	REVISIONS -			DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		ILLINOIS FED. AID PROJECT A14M(523)	
	PLOT DATE = 4/14/2022	CHECKED - S.W.M.	REVISIONS -			SHEET NO. 1 OF 3 SHEETS					



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor.

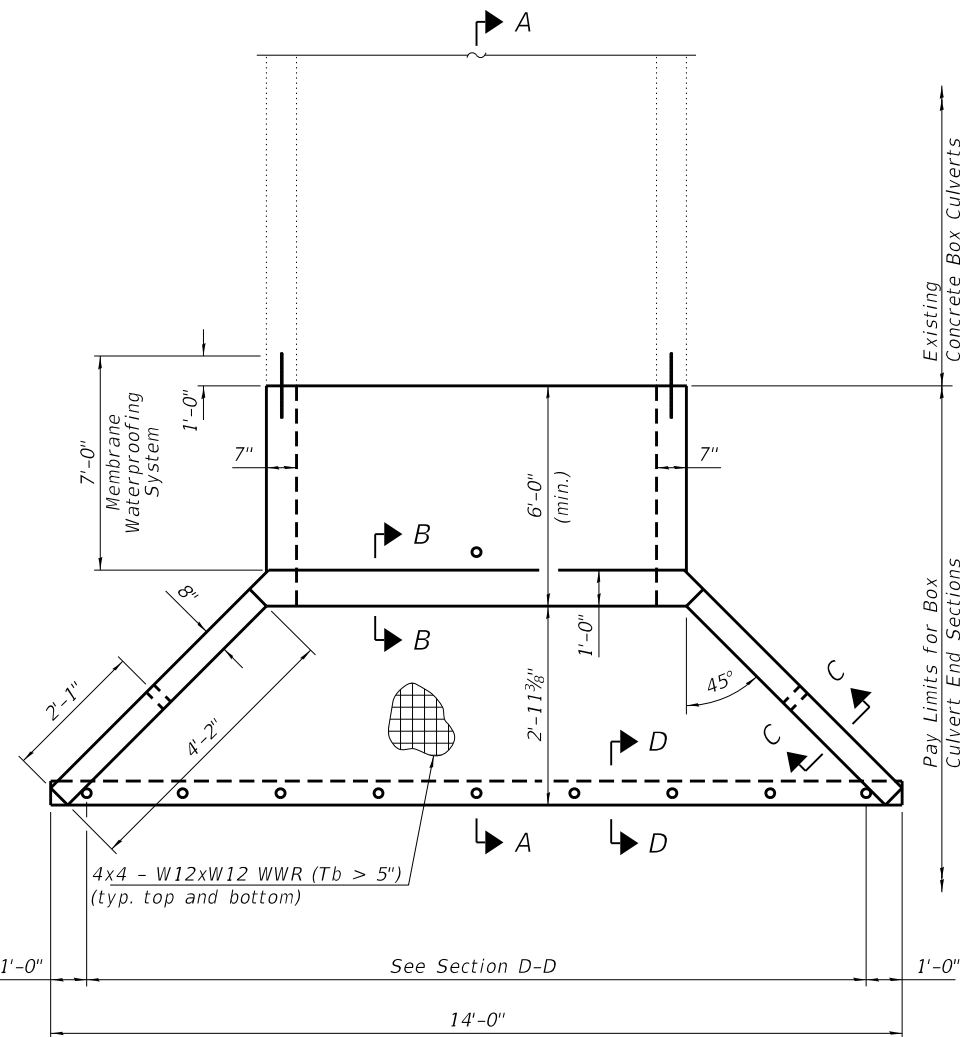
All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



PLAN

SCB-AES

2-17-2017

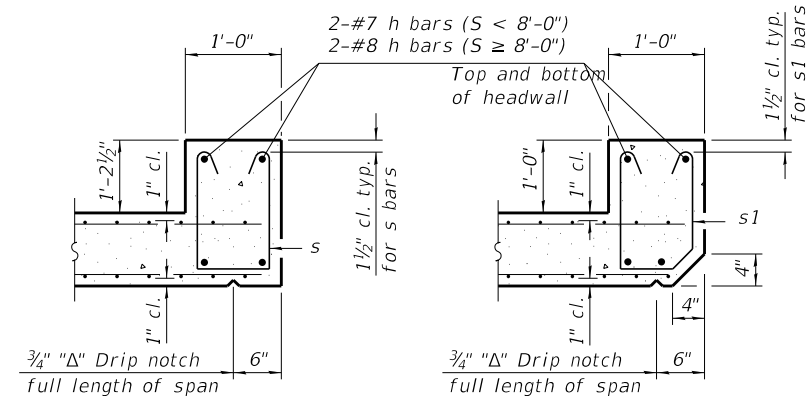
APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 5/8"	4'-1"	10'-4 5/8"	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 7/8"	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 3/8"	5'-6"	12'-4 3/8"	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 7/8"	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 1/2"	2'-2 1/2"	2'-11 3/8"	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 1/2"	3'-10"	11'-2 3/8"	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 1/2"	2'-8 1/2"	3'-11 3/8"	5'-7"	13'-8 1/8"	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 1/2"	5'-3"	13'-2 3/8"	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 1/2"	3'-2 1/2"	4'-11 3/8"	7'-0"	15'-8 1/8"	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 3/8"	6'-8"	15'-2 1/2"	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 1/4"	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	14'-10 1/8"	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 1/4"	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	16'-10 1/8"	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 1/4"	6'-9"	16'-5 7/8"	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	18'-10 1/8"	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 1/4"	8'-2"	18'-5 7/8"	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 3/8"	4'-1"	13'-10 3/8"	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	16'-0 1/8"	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 3/8"	5'-6"	15'-10 3/8"	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	18'-0 1/8"	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 3/4"	6'-11"	17'-10 3/4"	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	20'-0 1/8"	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 3/4"	8'-4"	19'-10 3/4"	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	22'-0 1/4"	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 3/4"	9'-9"	21'-10 3/4"	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	17'-2 1/8"	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	19'-2 1/8"	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	21'-2 1/8"	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	23'-2 1/4"	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	18'-2 1/8"	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	20'-2 1/8"	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	22'-2 1/8"	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	24'-2 1/4"	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	17'-6 7/8"	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	19'-6 7/8"	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	21'-6 7/8"	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	25'-5 5/8"	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	18'-10 1/4"	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	20'-10 1/4"	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	22'-10 3/8"	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	24'-10 3/8"	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	26'-10 3/8"	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	20'-3 1/8"	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	22'-3 1/8"	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	24'-1 3/4"	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	26'-1 3/4"	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	28'-1 7/8"	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	21'-6 1/2"	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	23'-6 1/2"	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	25'-6 3/8"	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	27'-6 3/8"	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	29'-6 3/8"	17.4	Yes

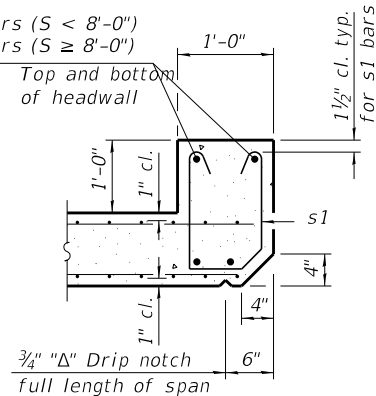
Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

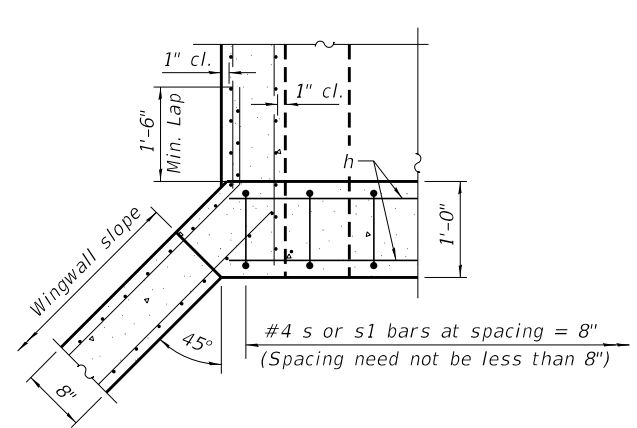
(Sheet 1 of 2)



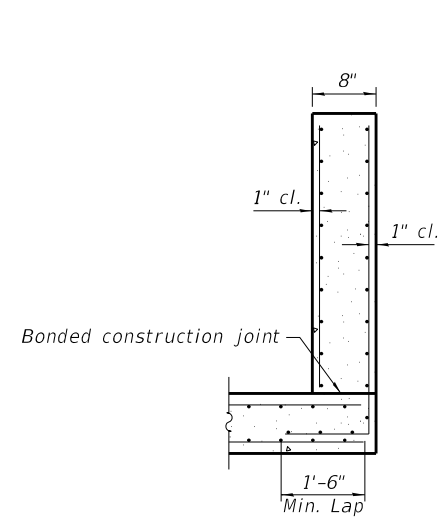
SECTION B-B
(Top slab at downstream end)



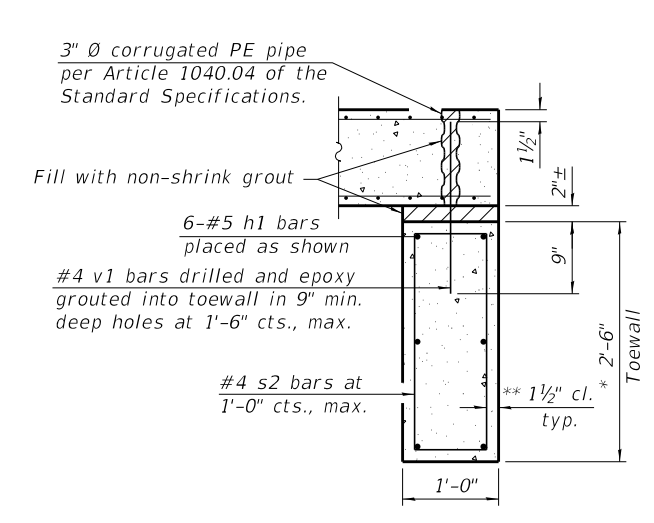
SECTION B-B
(Top slab at upstream end)



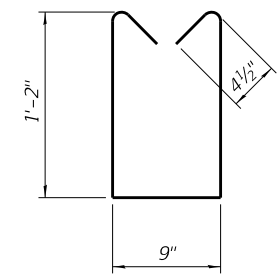
SECTION E-E



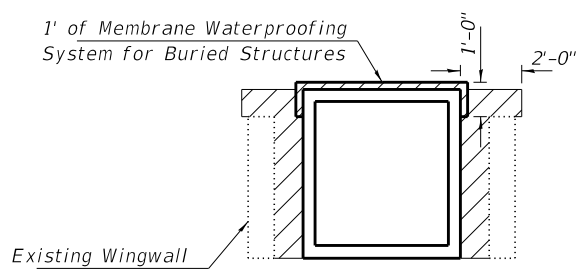
SECTION C-C



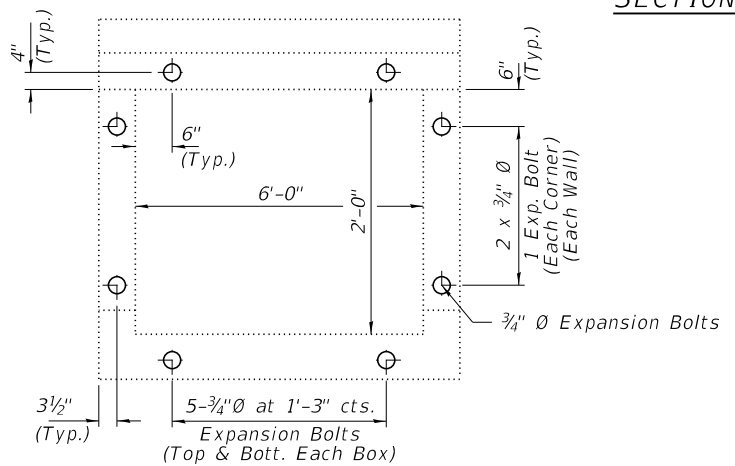
SECTION D-D



BAR s

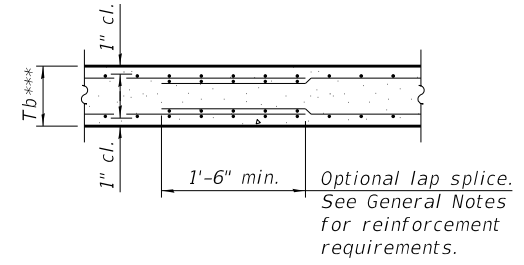


PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)



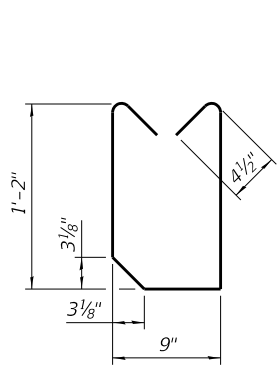
EXPANSION BOLT LOCATIONS
Expansion Bolts Required for Culvert Extensions

Notes: Expansion Bolts shall be 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and existing box culvert. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.

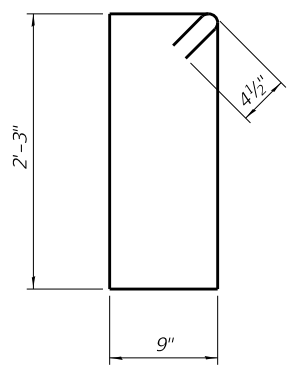


SECTION B-B
(Bottom Slab)

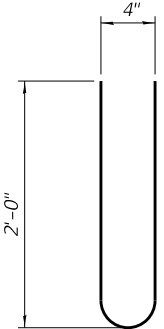
*** This dimension shall be increased by 2" for CIP construction.



BAR s1

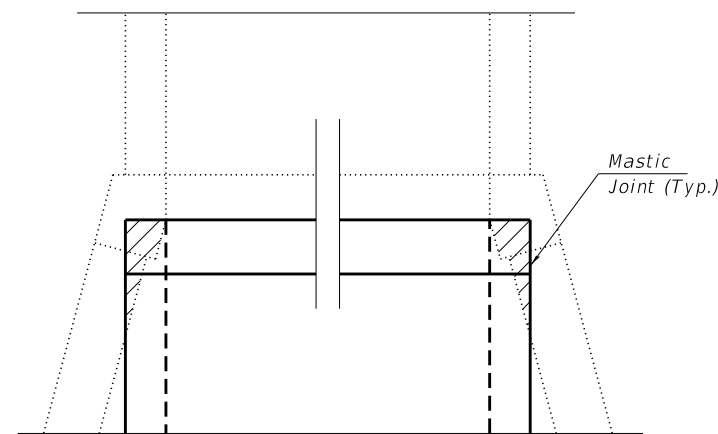


BAR s2



BAR s3

= Concrete Removal, Special



DETAIL A - CONCRETE REMOVAL

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

FILE NAME = 210097 Culvert STA 39+92.dgn	USER NAME = lsm1th	DESIGNED - J.R.B.	REVISIONS -	STATE OF ILLINOIS JEFFERSON COUNTY HIGHWAY DEPARTMENT	PRECAST CONCRETE BOX CULVERT APRON END STATION 39+92	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.W.M.	REVISIONS -			819	17-00217-00-RS	JEFFERSON	182	63
	PLOT DATE = 4/7/2022	DRAWN - T.D.S.	REVISIONS -			DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
		CHECKED - S.W.M.	REVISIONS -			SHEET NO. 3 OF 3 SHEETS		ILLINOIS FED. AID PROJECT A14M(523)		

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

The design fill height for this box is 0.32 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

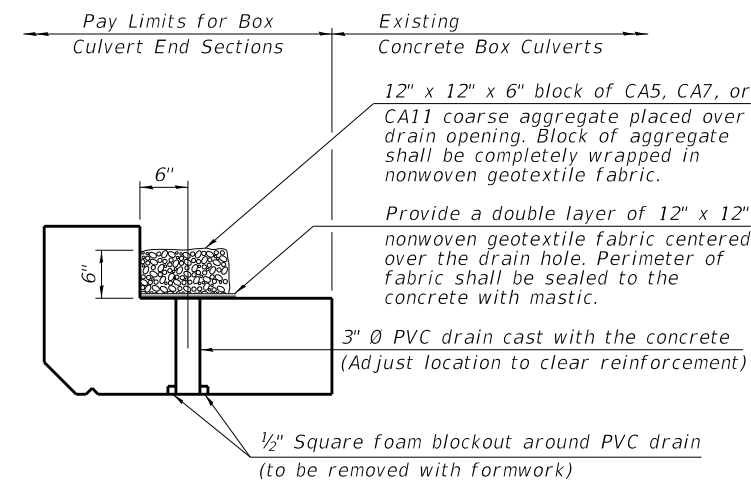
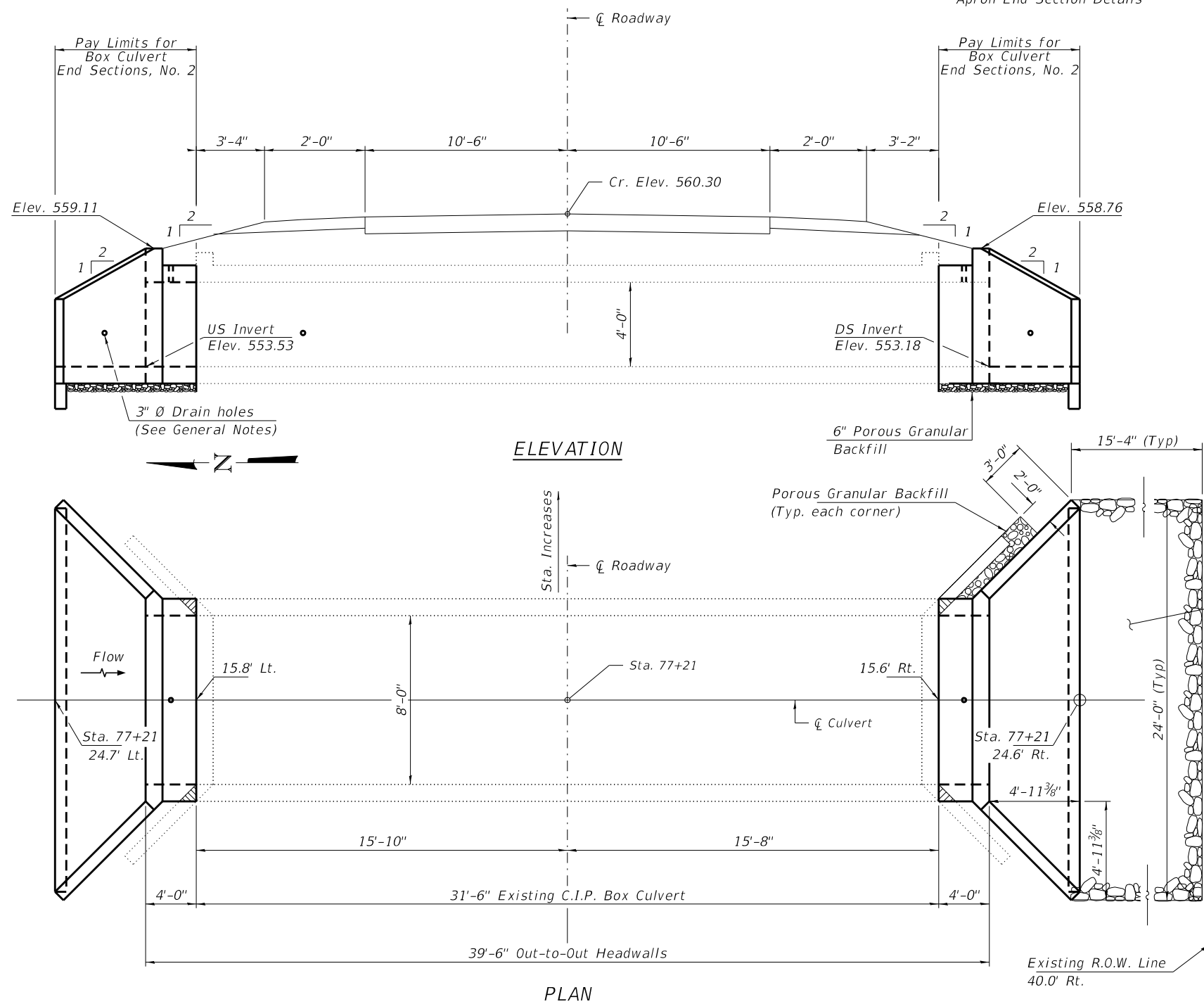
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Concrete Removal (Special) shall include areas shown in the detail of sheet 1 of 3, the existing headwalls, concrete apron, and silt at the downstream outlet that as needed to construct the proposed culvert.

The joints between precast box sections shall be sealed, all joints filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfill process.

Stone Riprap shall be installed according to thickness defined in article 281.04 or Std. Specs. Bedding is required.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

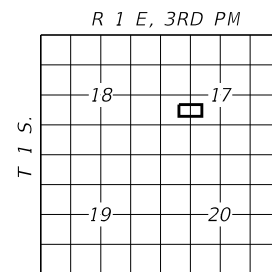
DESIGN STRESSES

PRECAST UNITS

$f'c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Ton	15
Stone Riprap, Class A4	Sq. Yd.	85
Box Culvert End Sections, Culvert No. 2	Each	2
Membrane Waterproofing System for Buried Structures	Sq. Yd.	13
Concrete Removal (Special)	L. Sum	1
Expansion Bolt 3/4 Inch	Each	18



LOCATION SKETCH

WATERWAY INFORMATION

211.2		Low Grade Elev. = 560.2			
Freq. Yr.	Freq. Yr.	Outlet Velocity	Low Edge of Pavement	Headwater Elev.	Headwater Depth
20	100	7.2	560.2	558.2	4.4
213	328	7.2	560.2	558.2	4.4

▨ = Concrete Removal (Special)

GENERAL PLAN AND ELEVATION
SEC. 17-00217-00-RS
F.A.S. 819 / C.H. 39 / DIX-IRVINGTON RD
JEFFERSON COUNTY
STATION 77+21

SCB-GPE

7-23-2021

FILE NAME = 210097 Culvert STA 77+21.dgn	USER NAME = lsmth	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.M.W.	REVISED -
	PLOT DATE = 4/14/2022	DRAWN - T.D.S.	REVISED -
		CHECKED - S.M.W.	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN ELEVATION
STATION 77+21

SHEET NO. 1 OF 3 SHEETS

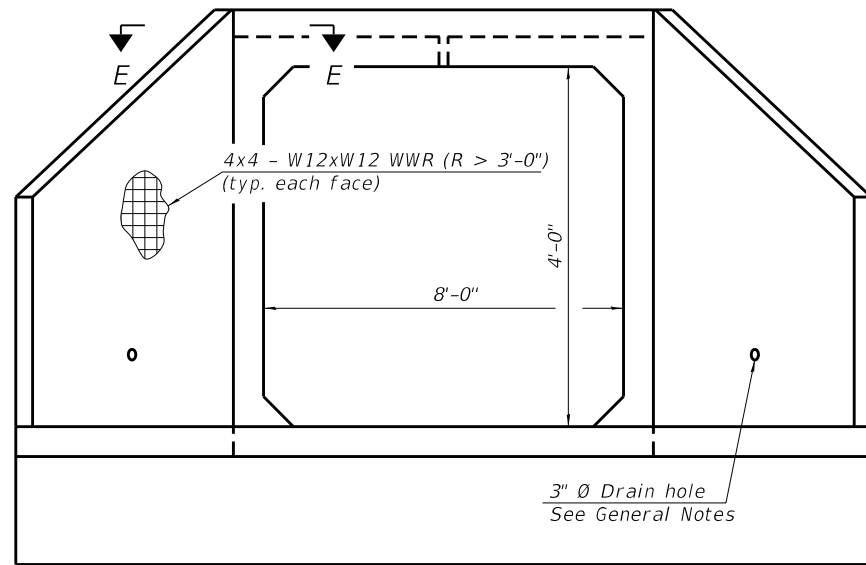
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	64
DIX-IRVINGTON ROAD / C.H. 39			CONTRACT NO. 99692	

ILLINOIS | FED. AID PROJECT A14M(523)

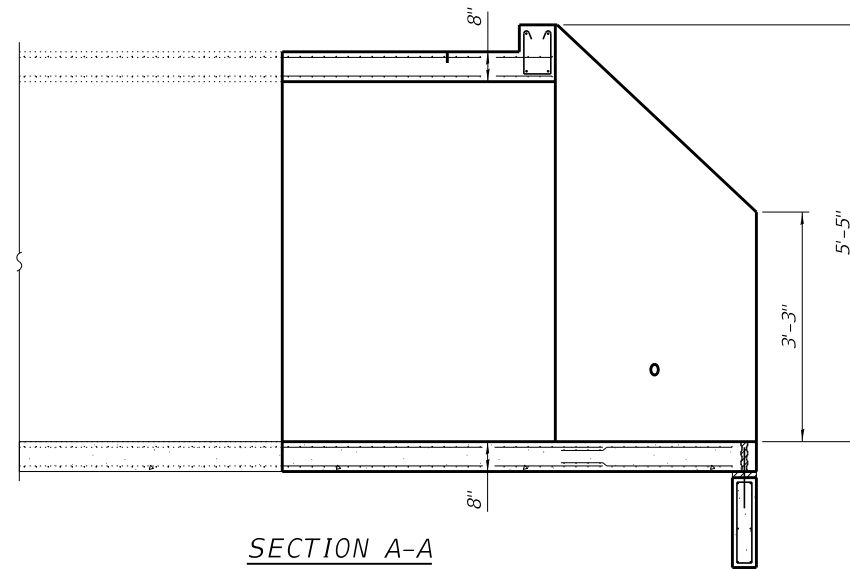
APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ⁷ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	12'-4 ⁵ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ⁷ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ⁵ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ⁷ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ⁷ / ₈ "	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 ³ / ₈ "	4'-1"	13'-10 ³ / ₈ "	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	15'-10 ⁵ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₄ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₄ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ⁷ / ₈ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ⁷ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ⁷ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 ⁷ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 ¹ / ₈ "	9'-11"	25'-5 ⁵ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ⁷ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ⁷ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ³ / ₄ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ³ / ₄ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ³ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ⁵ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ⁵ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ⁵ / ₈ "	7'-6"	25'-6 ³ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ⁵ / ₈ "	8'-11"	27'-6 ³ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ⁵ / ₈ "	10'-4"	29'-6 ³ / ₈ "	17.4	Yes

Note:
Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.
(Sheet 1 of 2)



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor.

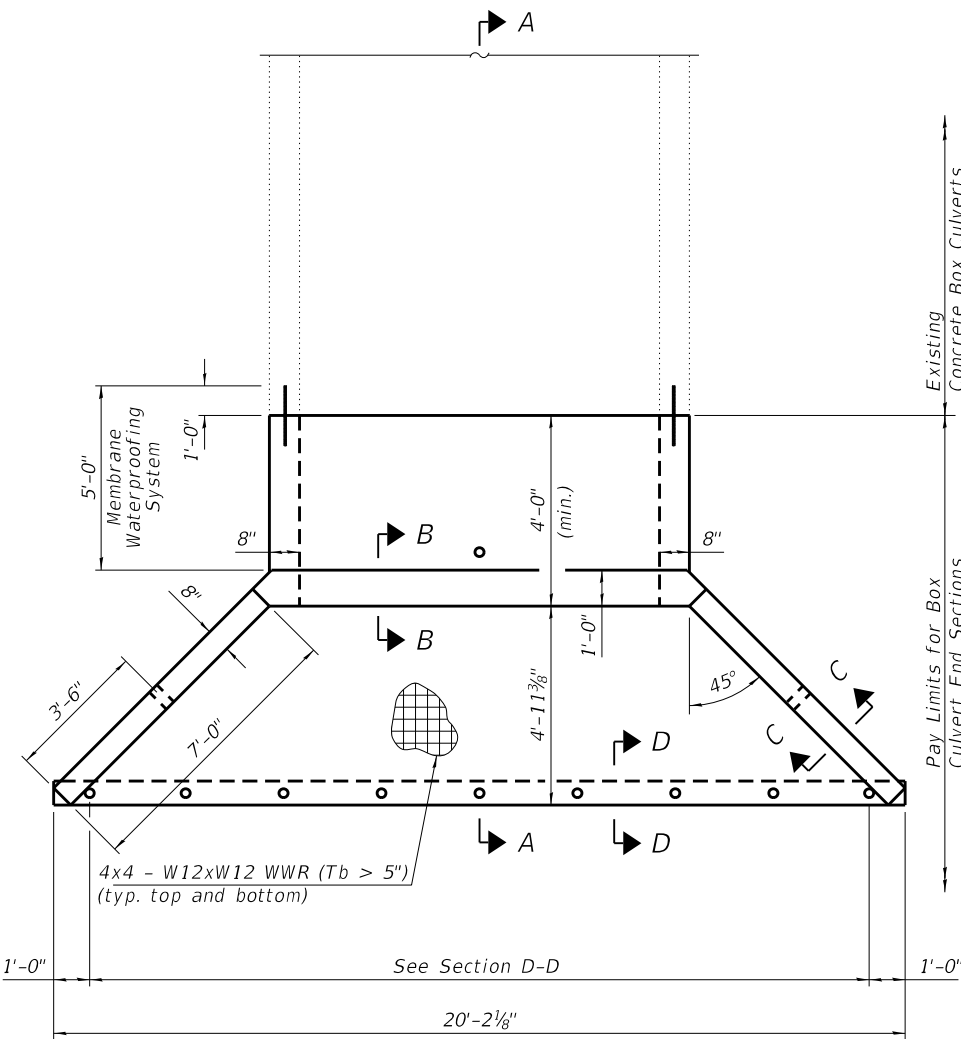
All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



PLAN

SCB-AES

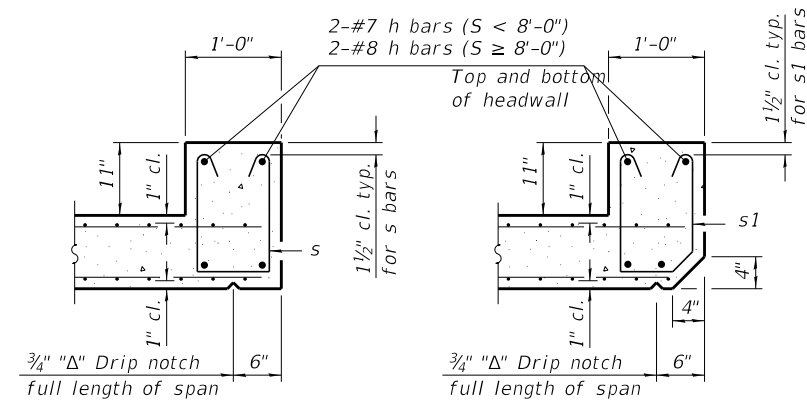
2-17-2017

FILE NAME = 210097 Culvert STA 77+21.dgn	USER NAME = lsmth	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.M.W.	REVISED -
3035 STEVENSON DRIVE, SUITE 201		DRAWN - T.D.S.	REVISED -
SPRINGFIELD, ILLINOIS 62763		CHECKED - S.M.W.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM			
LS / PE / SE CORP. 184.009959			
PLOT SCALE =			
PLOT DATE = 4/7/2022			

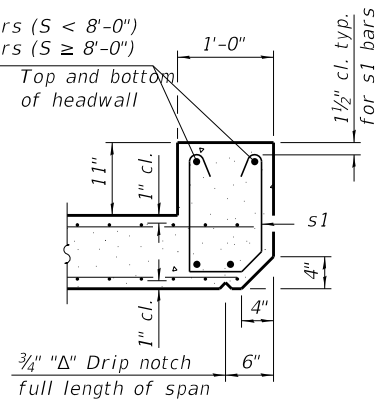
STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

PRECAST CONCRETE BOX CULVERT APRON END
STATION 77+21
SHEET NO. 2 OF 3 SHEETS

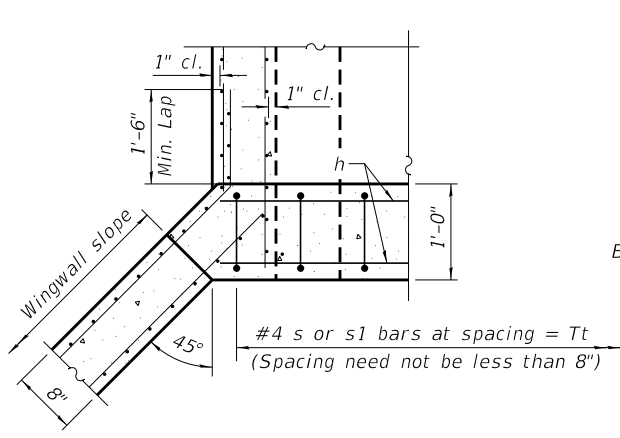
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	65
DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
ILLINOIS / FED. AID PROJECT A14M(523)				



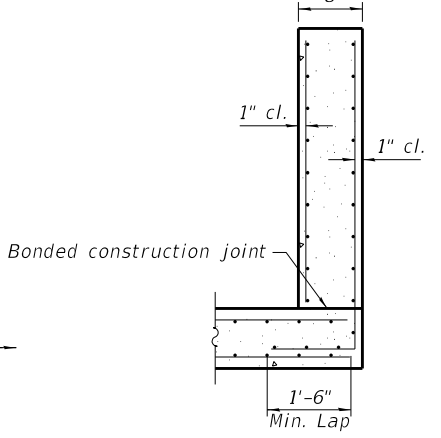
SECTION B-B
(Top slab at downstream end)



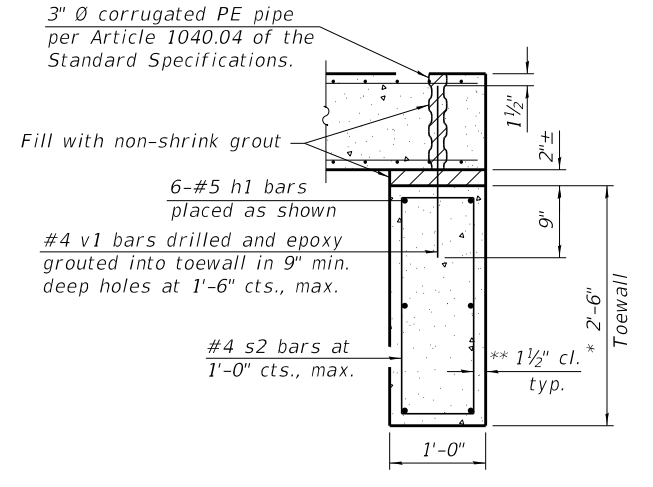
SECTION B-B
(Top slab at upstream end)



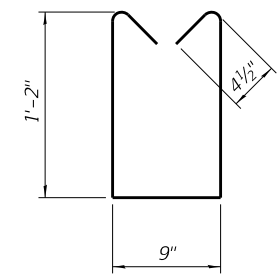
SECTION E-E



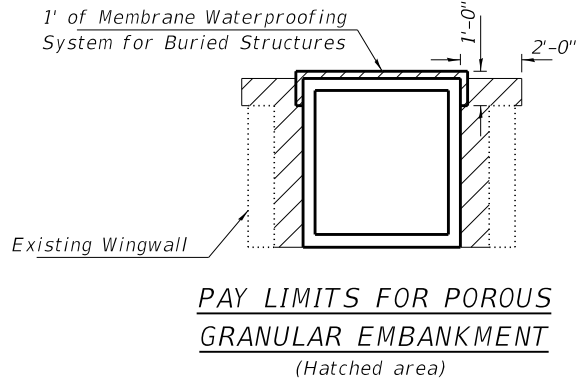
SECTION C-C



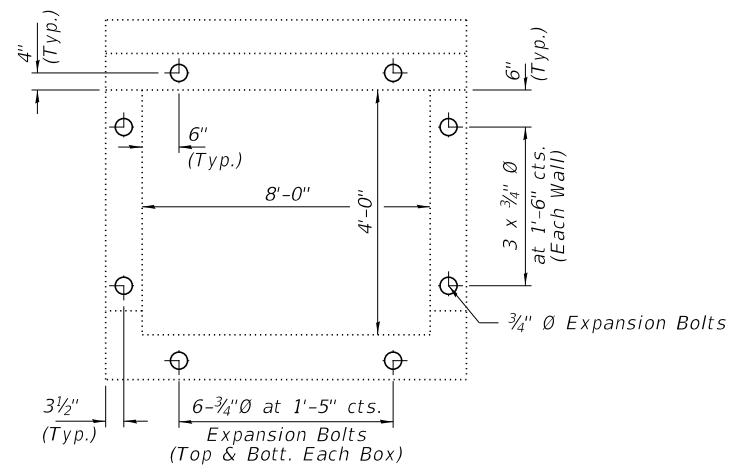
SECTION D-D



BAR s

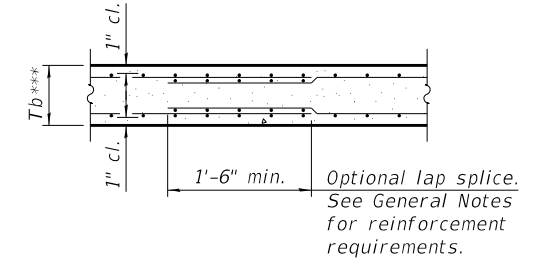


PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)



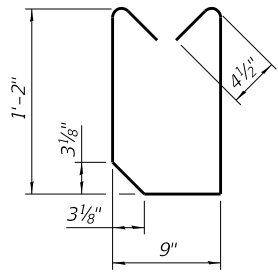
EXPANSION BOLT LOCATIONS
Expansion Bolts Required for Culvert Extensions

Notes: Expansion Bolts shall be 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and existing box culvert. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.

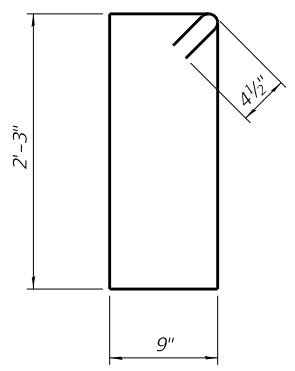


SECTION B-B
(Bottom Slab)

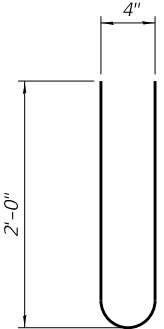
*** This dimension shall be increased by 2" for CIP construction.



BAR s1

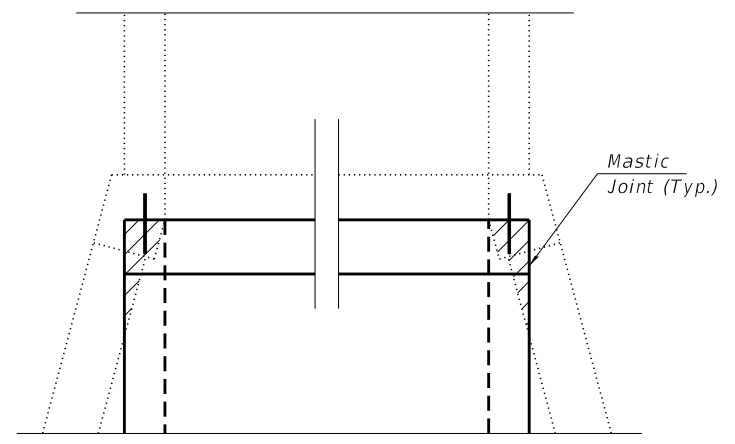


BAR s2



BAR s3

= Concrete Removal, Special



DETAIL A - CONCRETE REMOVAL

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

SCB-AES 2-17-2017

(Sheet 2 of 2)

FILE NAME = 210097 Culvert STA 77+21.dgn	USER NAME = lsmth	DESIGNED - J.R.B.	REVISIONS -	STATE OF ILLINOIS JEFFERSON COUNTY HIGHWAY DEPARTMENT	PRECAST CONCRETE BOX CULVERT APRON END STATION 77+21	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.M.W.	REVISIONS -			819	17-00217-00-RS	JEFFERSON	182	66
	PLOT DATE = 4/14/2022	DRAWN - T.D.S.	REVISIONS -			DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
		CHECKED - S.M.W.	REVISIONS -			SHEET NO. 3 OF 3 SHEETS		ILLINOIS FED. AID PROJECT A14M(523)		

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert
Apron End Section Details

GENERAL NOTES

The design fill height for this box is 0.32 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

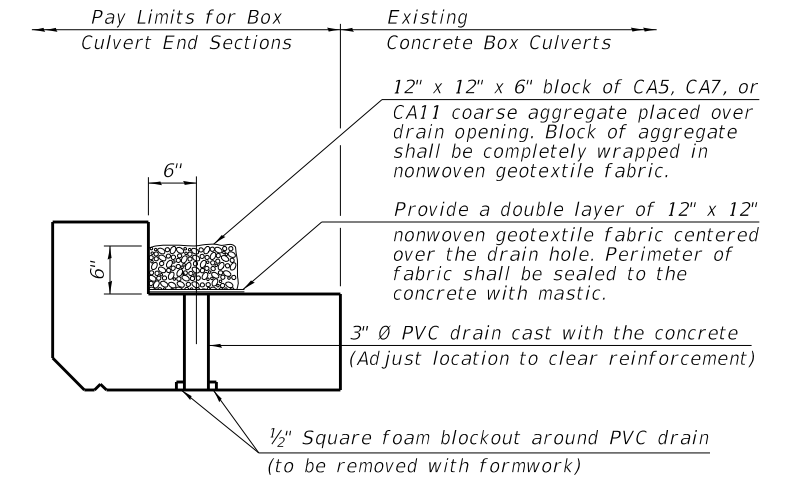
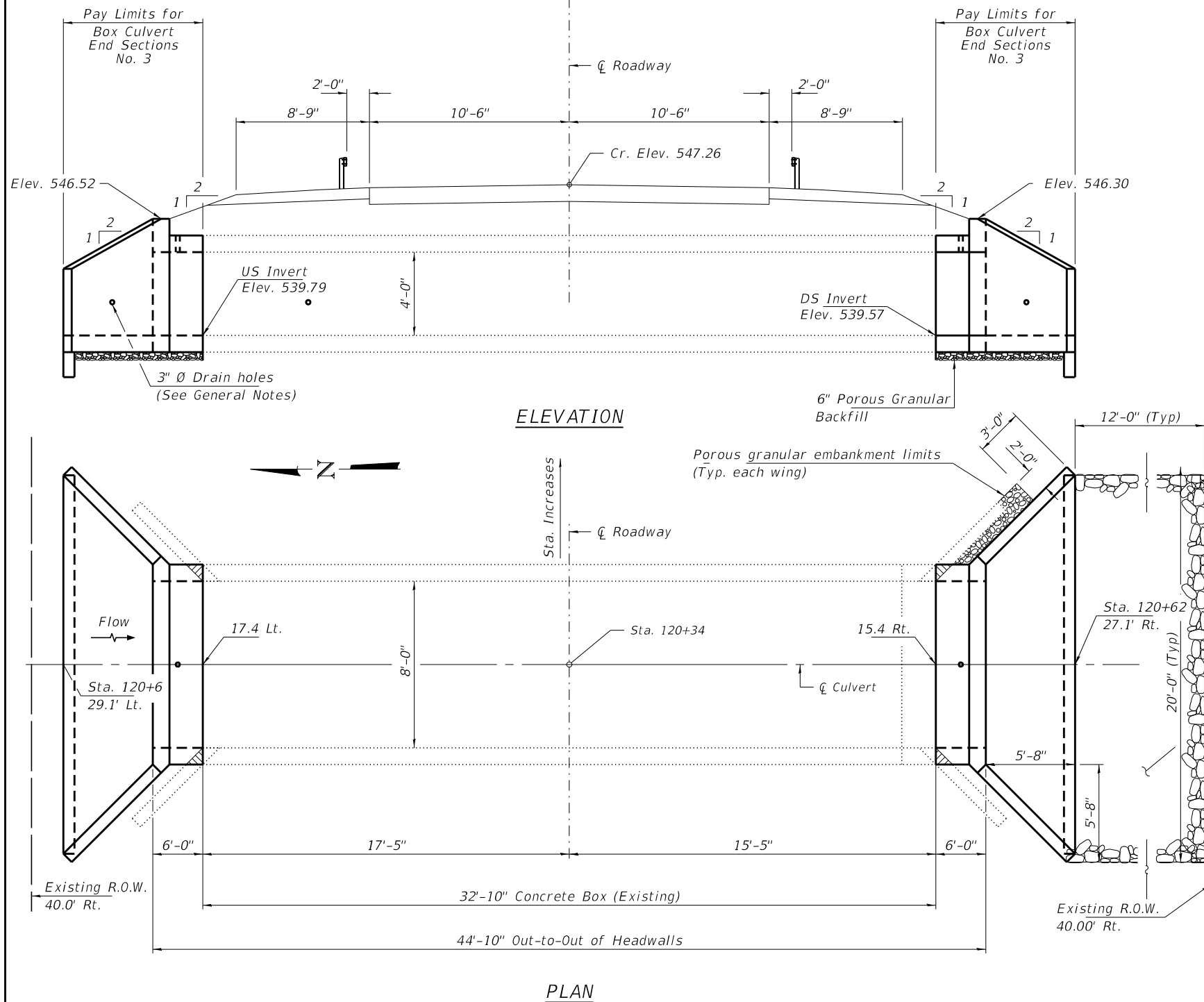
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Concrete Removal (Special) shall include areas shown in the detail of sheet 1 of 3, the existing headwalls, concrete apron, and silt at the downstream outlet that as needed to construct the proposed culvert.

The joints between precast box sections shall be sealed, all joints filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfill process.

Stone Riprap shall be installed according to thickness defined in article 281.04 or Std. Specs. Bedding is required.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

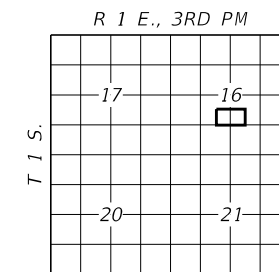
DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Ton	23
Stone Riprap, Class A4	Sq. Yd.	55
Box Culvert End Sections, Culvert No. 3	Each	2
Membrane Waterproofing System for Buried Structures	Sq. Yd.	14
Concrete Removal (Special)	L. Sum	1
Expansion Bolts 3/4 Inch	Each	18



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
SECTION 17-00217-00-RS
F.A.S 819 / C.H. 39 / DIX-IRVINGTON RD
JEFFERSON COUNTY
STATION 120+34

WATERWAY INFORMATION

Drainage Area = 281.6 acres Low Grade Elev. = 560.6					
Freq. Yr.	Freq. Yr.	Outlet Velocity	Low Edge of Pavement	Headwater Elev.	Headwater Depth
20	100	11.1	547.0	544.9	5.1
253	395				

▨ = Concrete Removal (Special)

SCB-GPE 7-23-2021

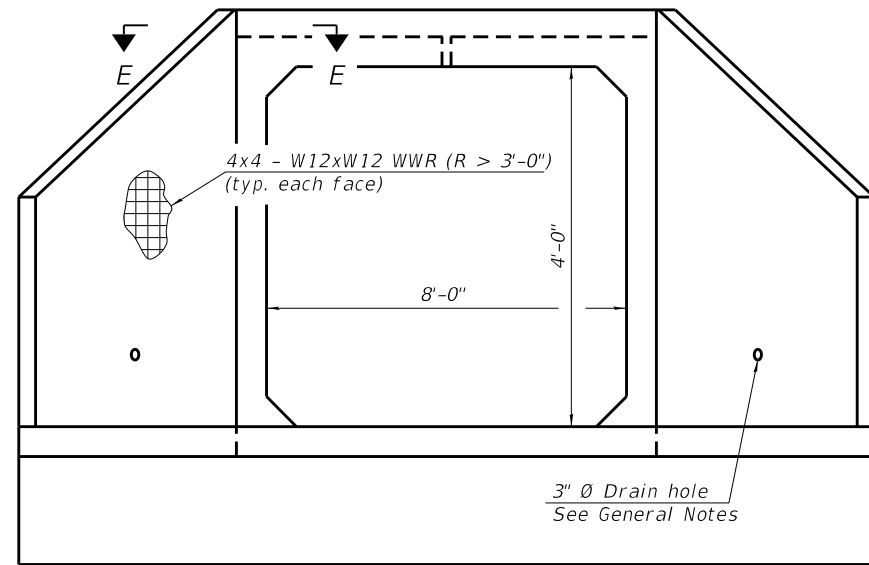
FILE NAME = 210097 Culvert STA 120+34.dgn	USER NAME = lsmlh	DESIGNED - J.R.B.	REVISD -	STATE OF ILLINOIS JEFFERSON COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN & ELEVATION STATION 120+34	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.W.M.	REVISD -			819	17-00217-00-RS	JEFFERSON	182	67
	PLOT DATE = 4/14/2022	DRAWN - T.D.S.	REVISD -			DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
		CHECKED - S.W.M.	REVISD -			ILLINOIS FED. AID PROJECT A14M(523)				

APRON END SECTION DIMENSIONS

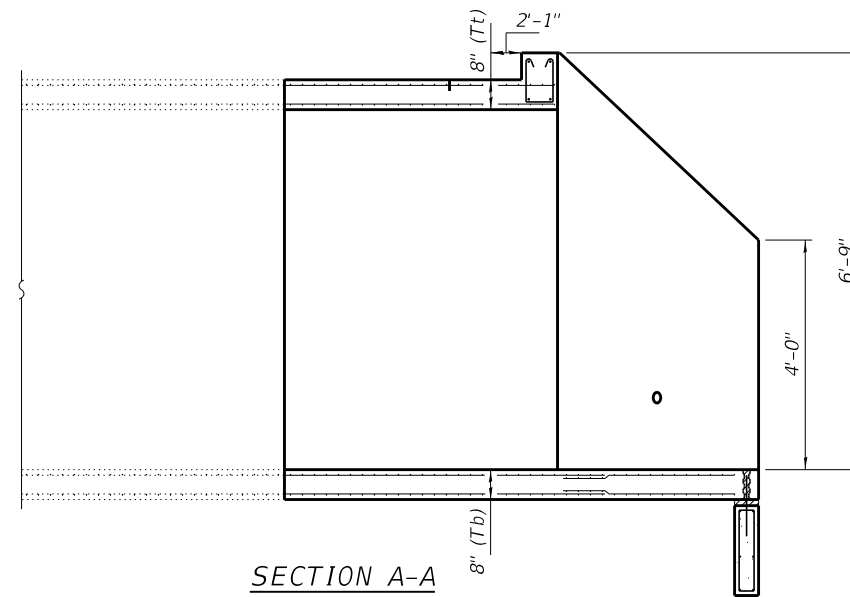
Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ⁷ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	12'-4 ⁵ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ⁷ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ⁵ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ⁷ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ⁷ / ₈ "	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 ³ / ₈ "	4'-1"	13'-10 ³ / ₈ "	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	15'-10 ⁵ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₄ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₄ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ¹ / ₈ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ⁷ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ⁷ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 ⁷ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 ¹ / ₈ "	9'-11"	25'-5 ⁵ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ¹ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ¹ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ³ / ₄ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ³ / ₄ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ¹ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ⁵ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ⁵ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ⁵ / ₈ "	7'-6"	25'-6 ³ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ⁵ / ₈ "	8'-11"	27'-6 ³ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ⁵ / ₈ "	10'-4"	29'-6 ⁵ / ₈ "	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft. (Sheet 1 of 2)



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. span (S) greater than or equal to 10 ft.

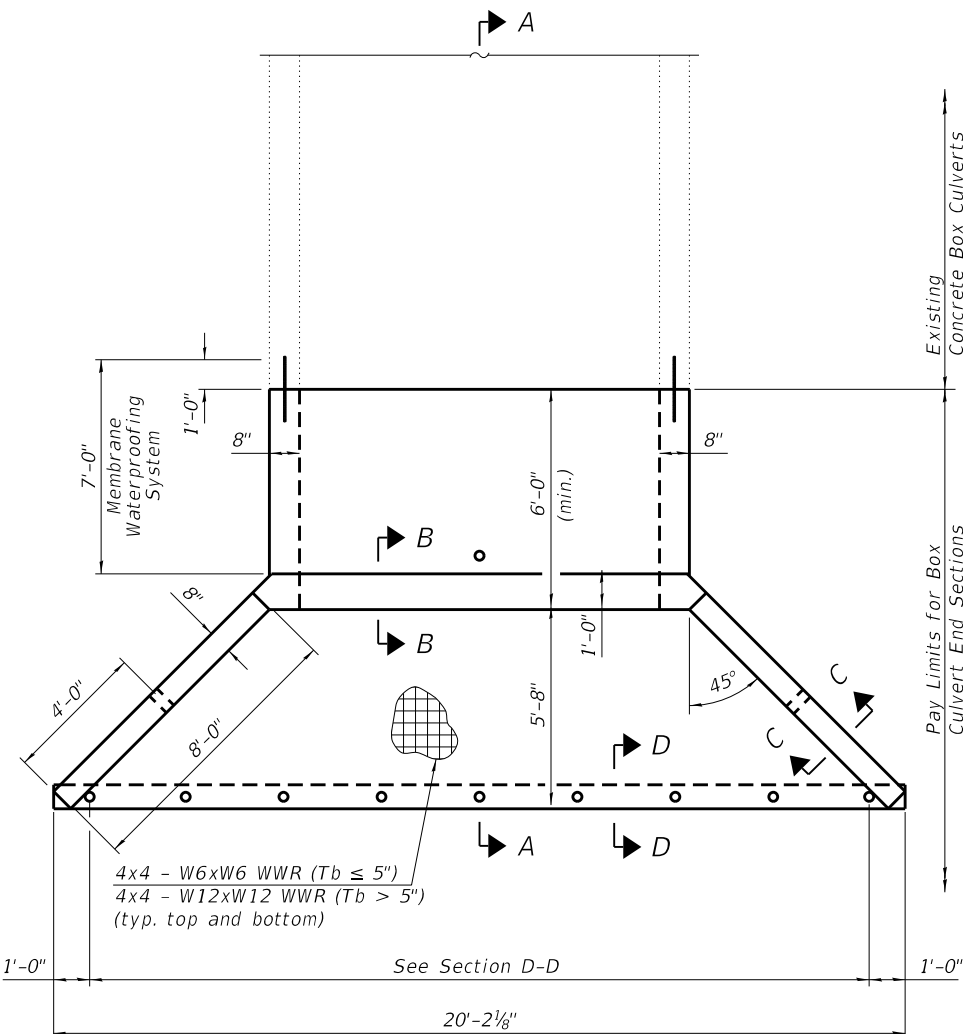
All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



PLAN

SCB-AES

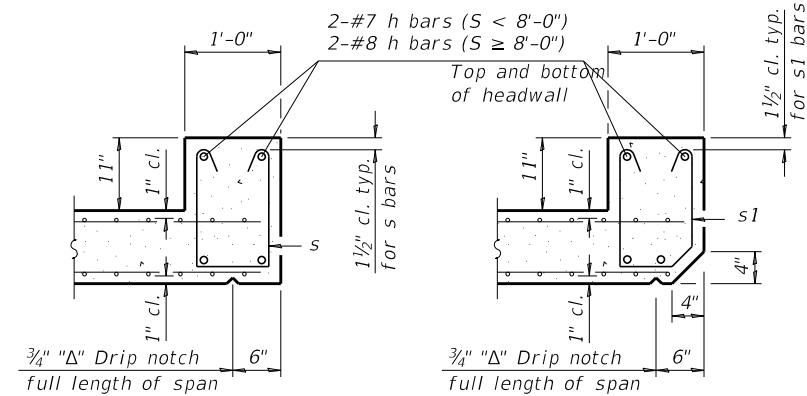
2-17-2017

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HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763		DRAWN - T.D.S.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 4/7/2022		

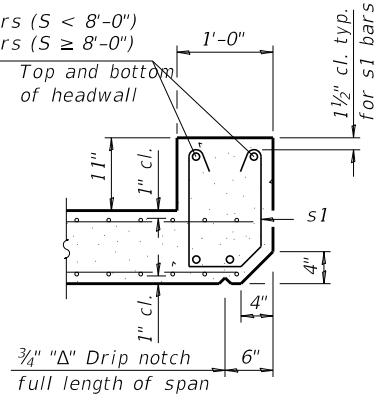
STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

PRECAST CONCRETE BOX CULVERT APRON END
STATION 120+34
SHEET NO. 2 OF 3 SHEETS

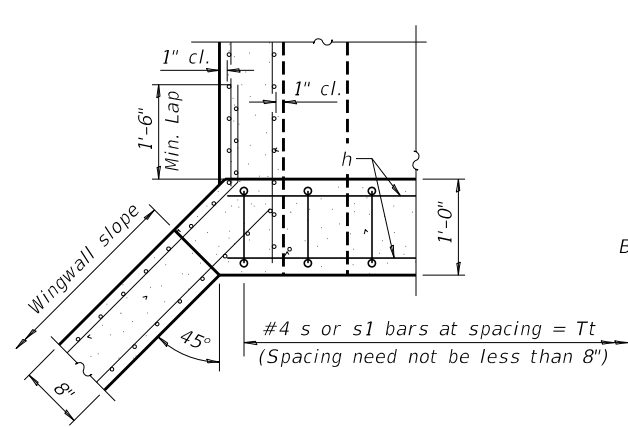
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	68
DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
ILLINOIS / FED. AID PROJECT A14M(523)				



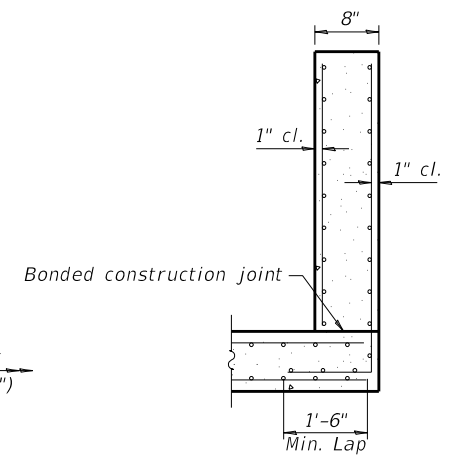
SECTION B-B
(Top slab at downstream end)



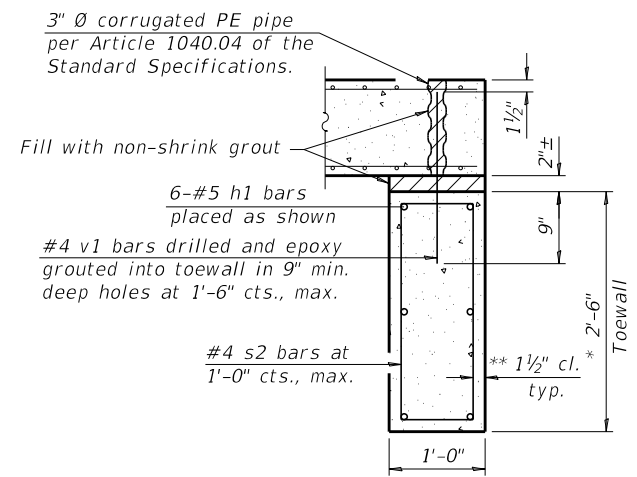
SECTION B-B
(Top slab at upstream end)



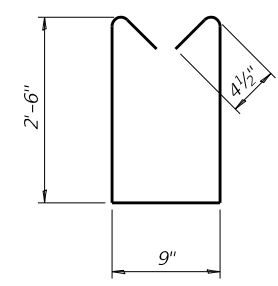
SECTION E-E



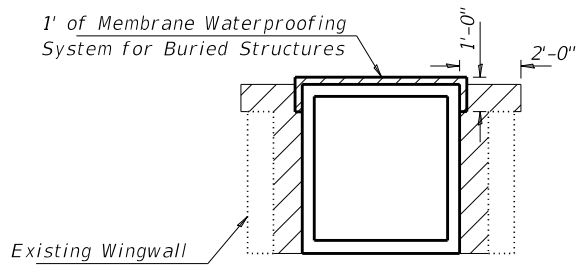
SECTION C-C



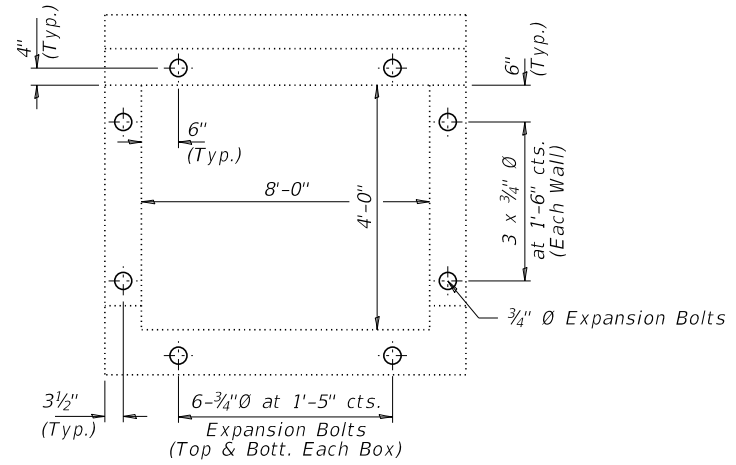
SECTION D-D



BAR s

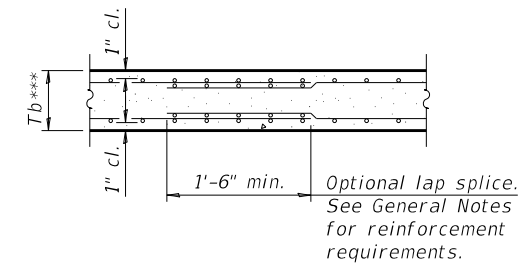


PAY LIMITS FOR POROUS GRANULAR EMBANKMENT
(Hatched area)



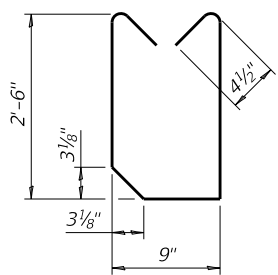
EXPANSION BOLT LOCATIONS
Expansion Bolts Required for Culvert Extensions

Notes: Expansion Bolts shall be 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and existing box culvert. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.

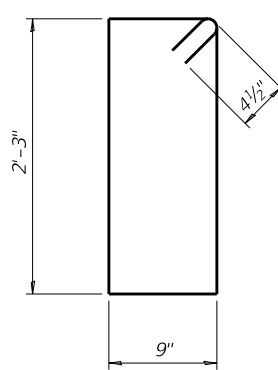


SECTION B-B
(Bottom Slab)

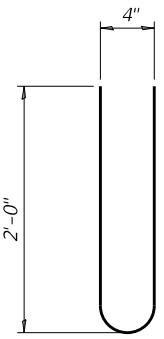
*** This dimension shall be increased by 2" for CIP construction.



BAR s1

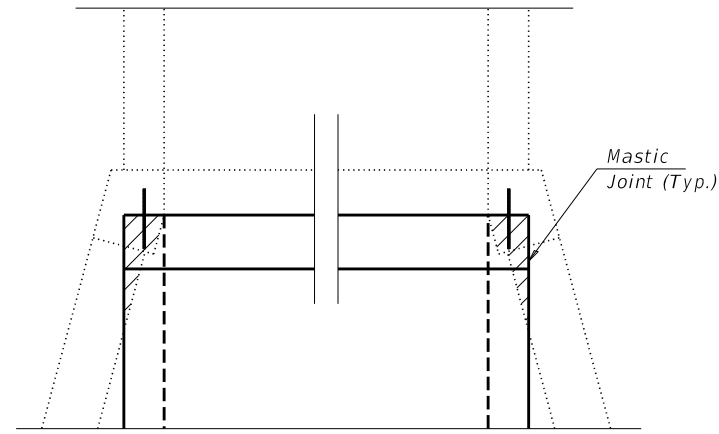


BAR s2



BAR s3

= Concrete Removal, Special



DETAIL A - CONCRETE REMOVAL

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

FILE NAME = 210097 Culvert STA 120+34.dgn	USER NAME = lsm1th	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS JEFFERSON COUNTY HIGHWAY DEPARTMENT	PRECAST CONCRETE BOX CULVERT APRON END STATION 120+34	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -			819	17-00217-00-RS	JEFFERSON	182	69
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184.000959	PLOT SCALE =	DRAWN - T.D.S.	REVISED -			DIX-IRVINGTON ROAD / C.H. 39		CONTRACT NO. 99692		
	PLOT DATE = 4/14/2022	CHECKED - S.W.M.	REVISED -			SHEET NO. 3 OF 3 SHEETS		ILLINOIS FED. AID PROJECT A14M(523)		

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 HAMPTON, LENZINI AND RENWICK, INC. <small>323 WEST THIRD STREET, P.O. BOX 160 MT. CARMEL, ILLINOIS 62863 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999</small>	PROJECT NO. - 21.0097.330	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				SCALE: SHEET OF 1 SHEETS STA. TO STA.								

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 HAMPTON, LENZINI AND RENWICK, INC. <small>323 WEST THIRD STREET, P.O. BOX 160 MT. CARMEL, ILLINOIS 62863 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999</small>	PROJECT NO. - 21.0097.330	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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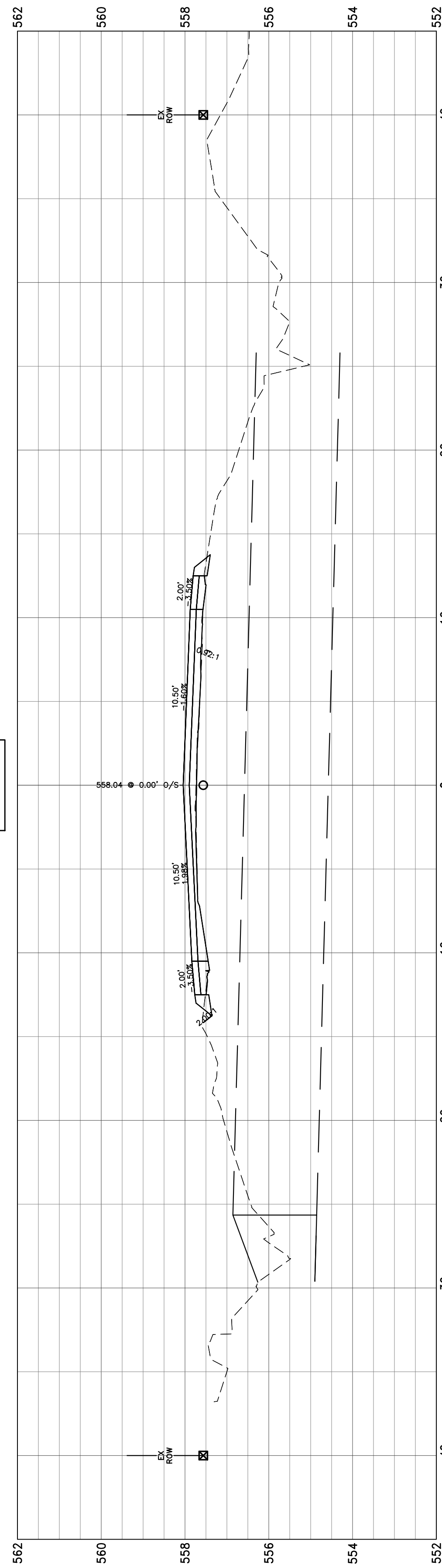
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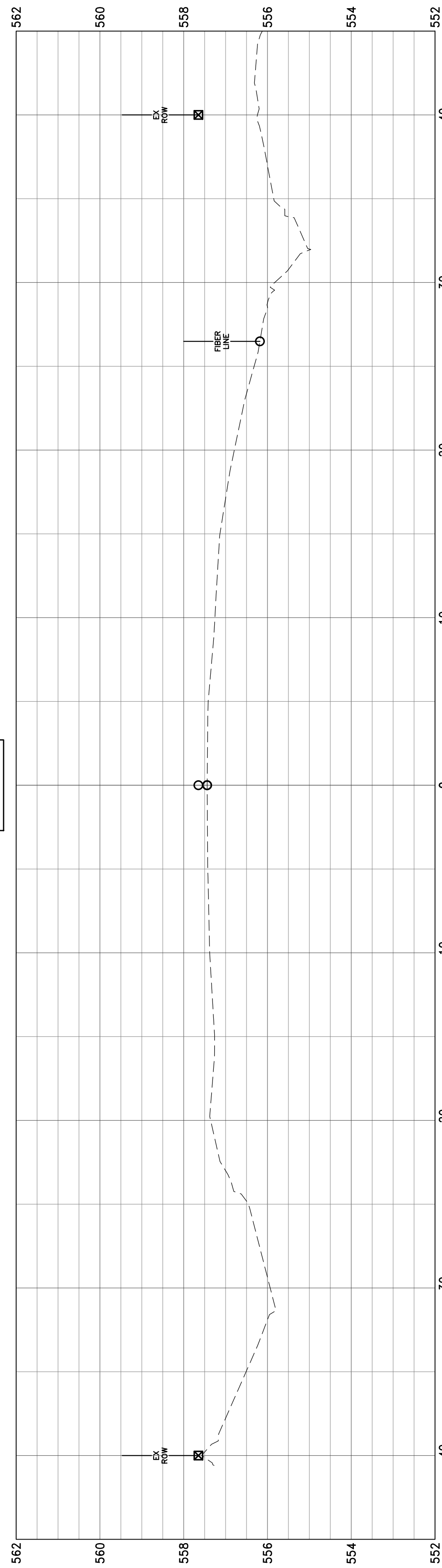
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 HAMPTON, LENZINI AND RENWICK, INC. <small>323 WEST THIRD STREET, P.O. BOX 160 MT. CARMEL, ILLINOIS 62863 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999</small>	PROJECT NO. - 21.0097.330	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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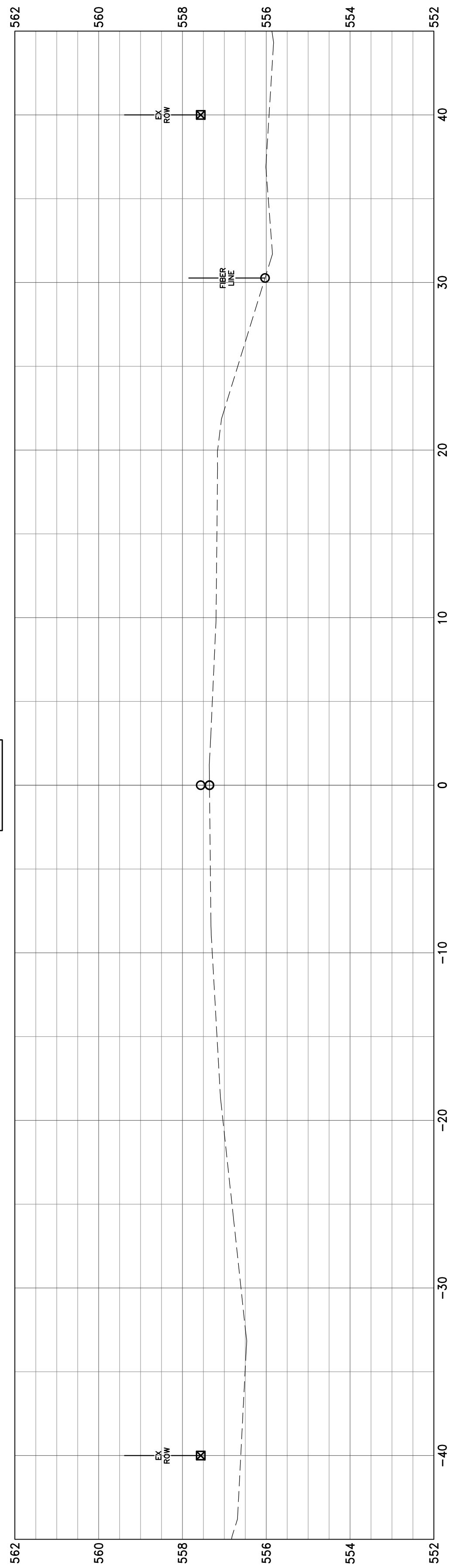
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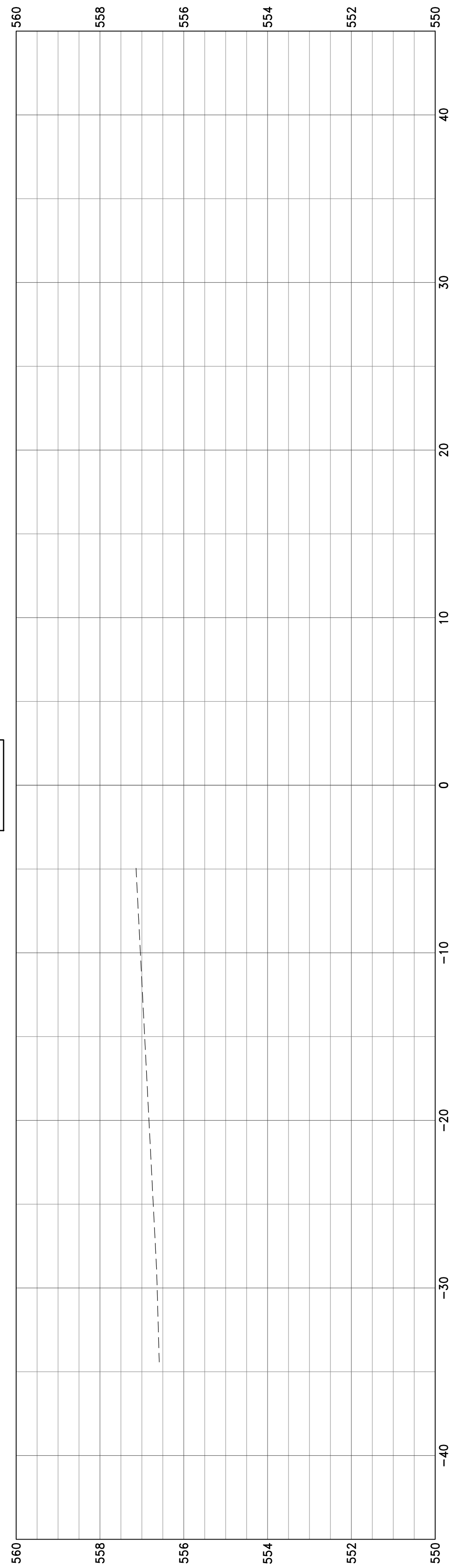
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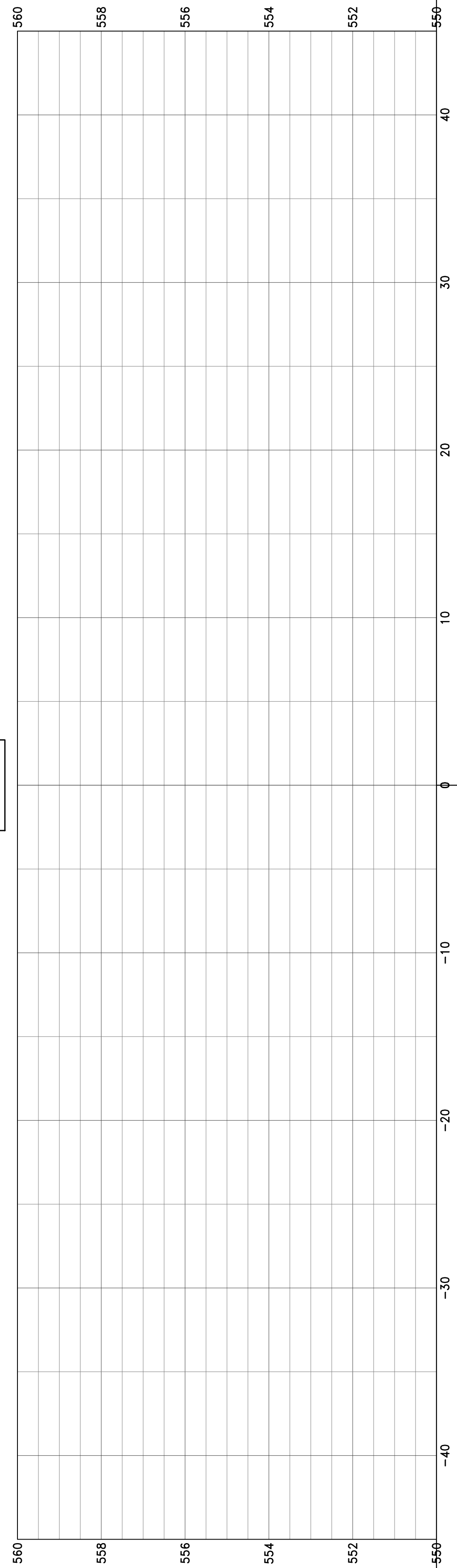
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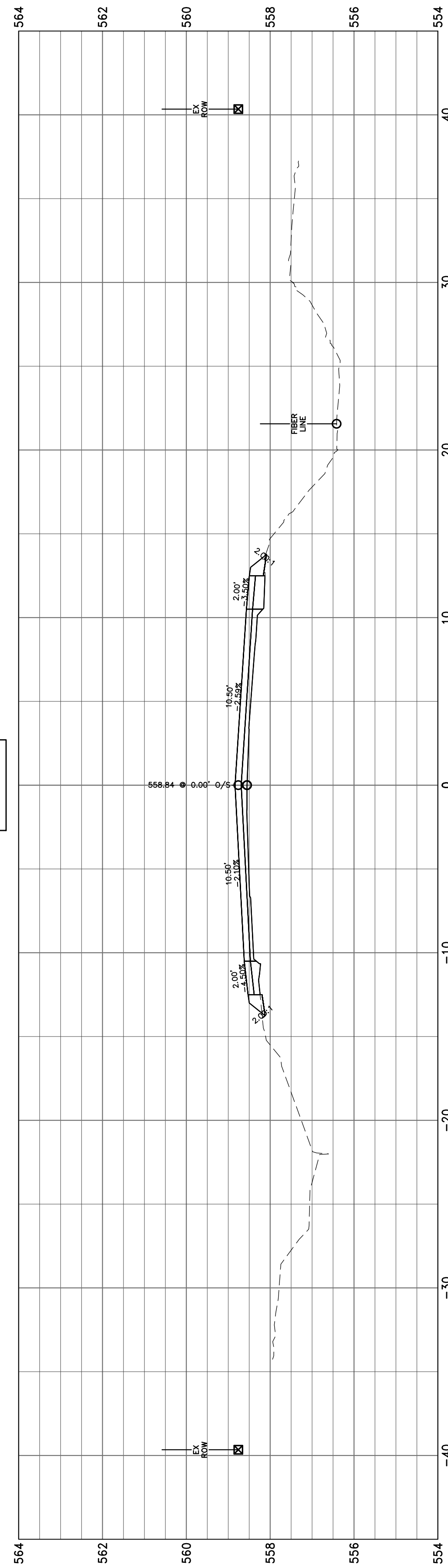
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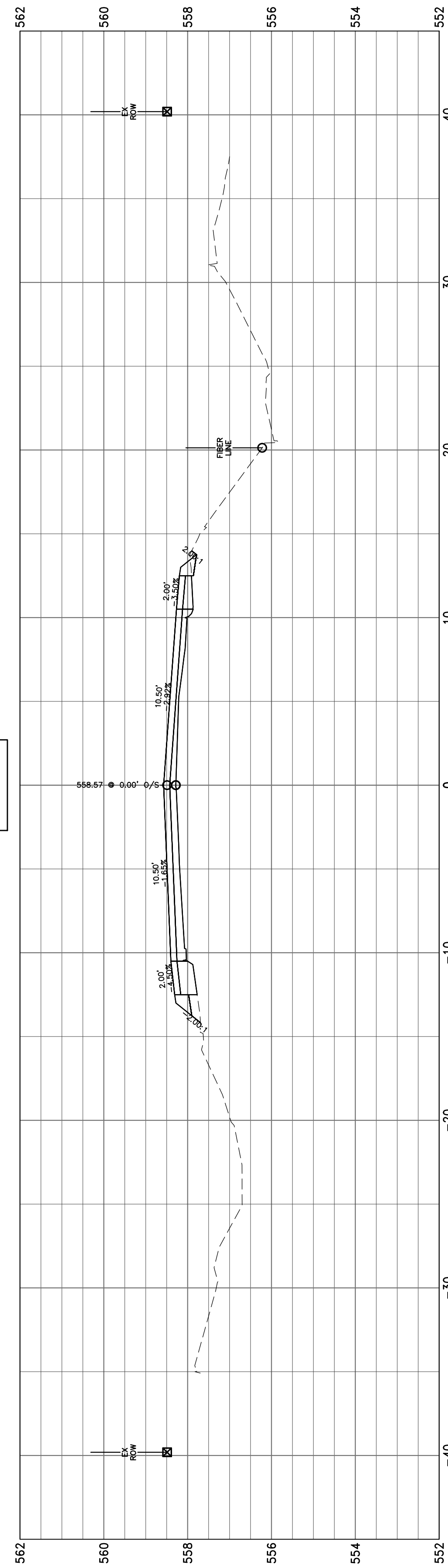
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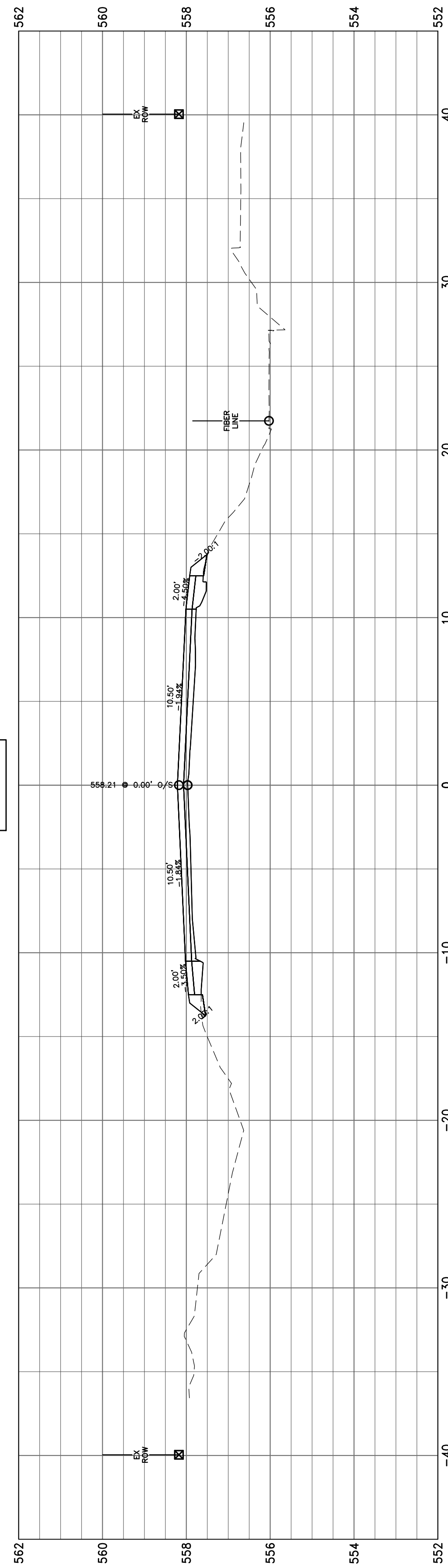
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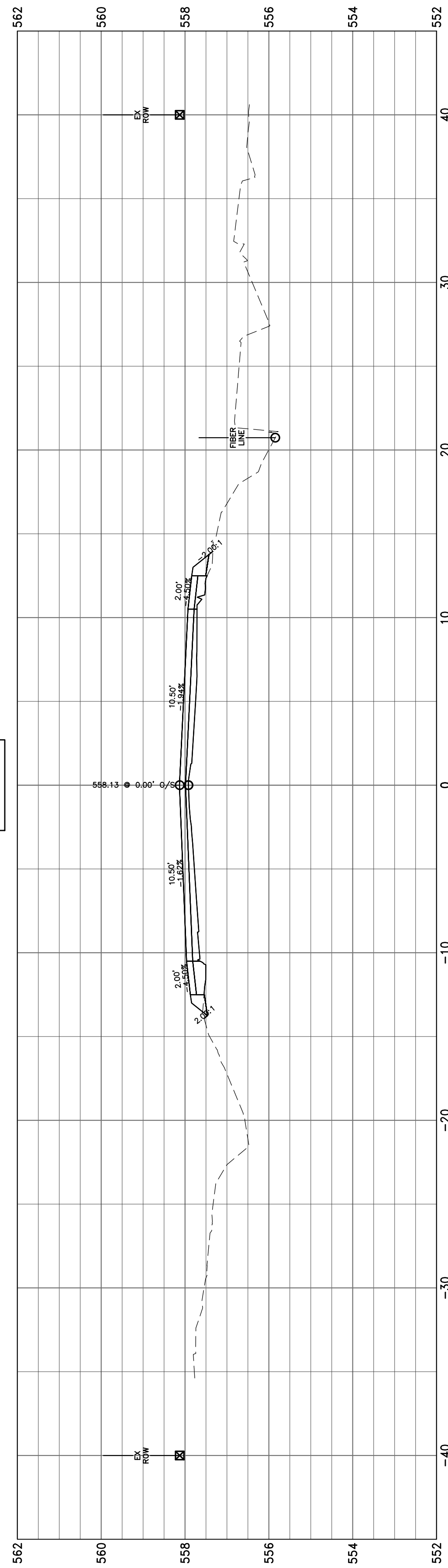
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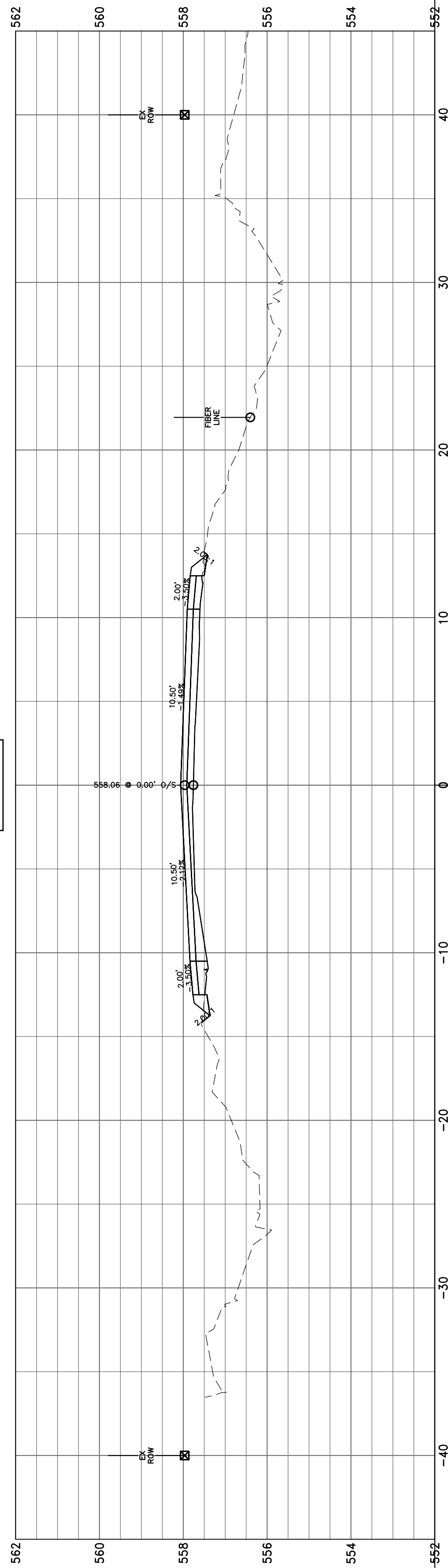
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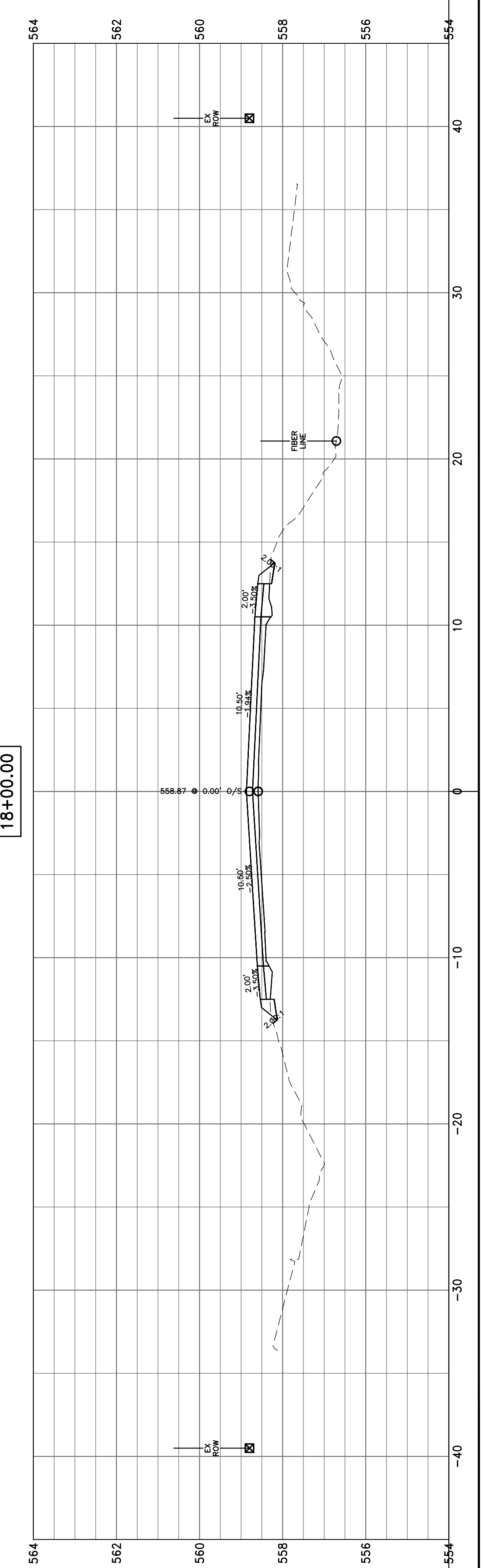
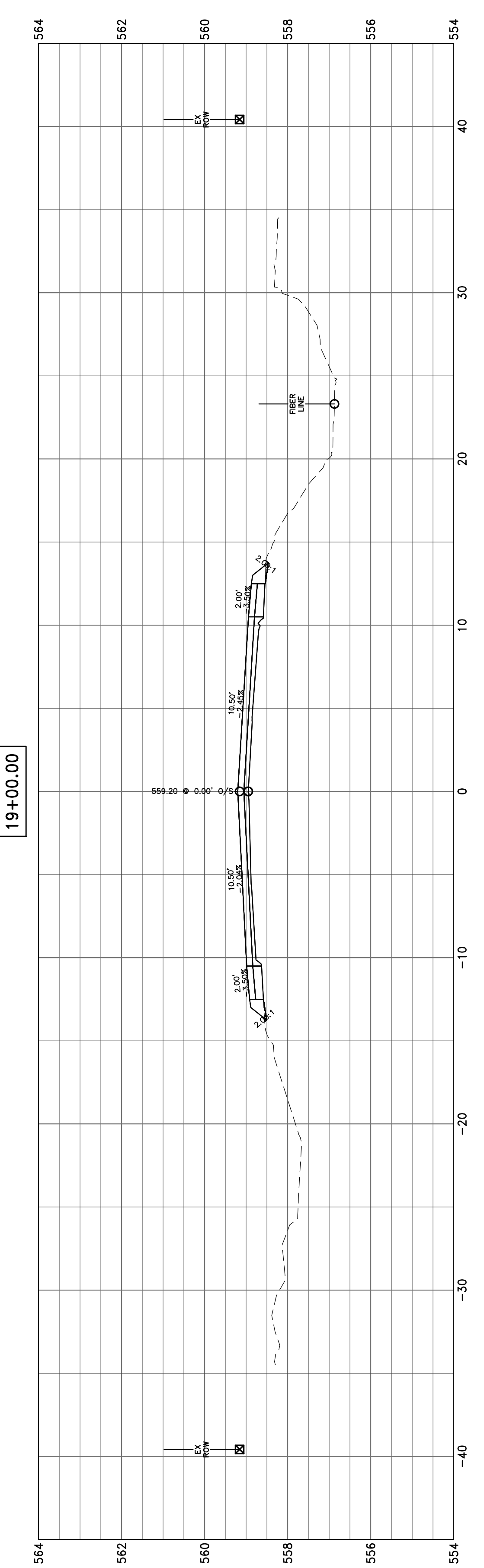
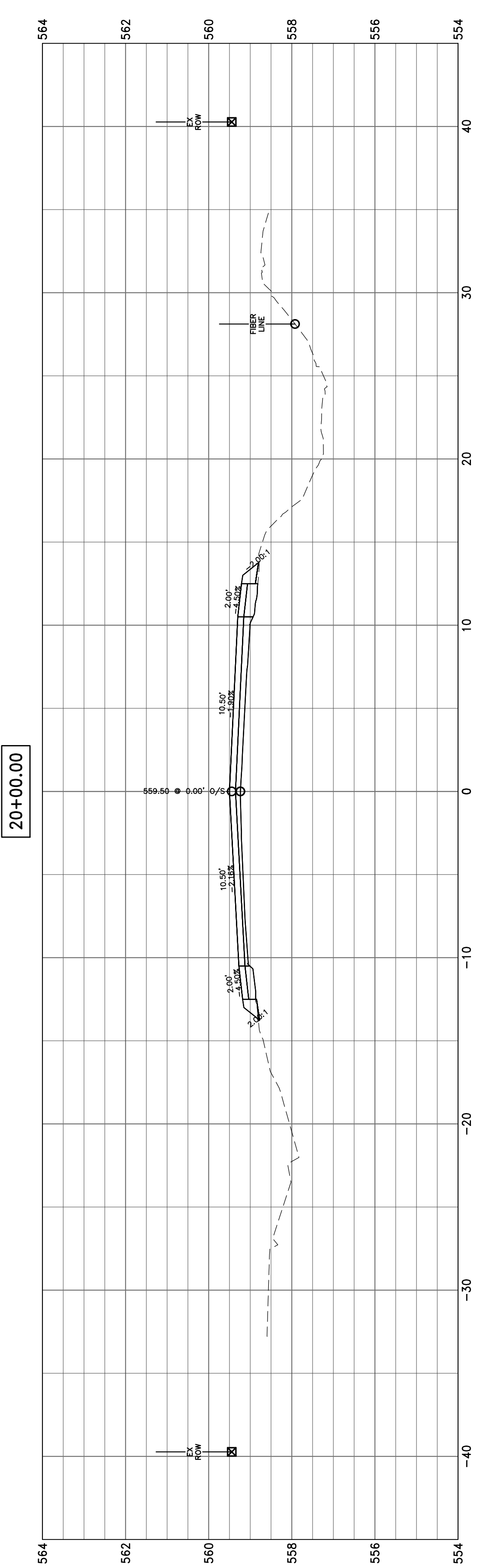
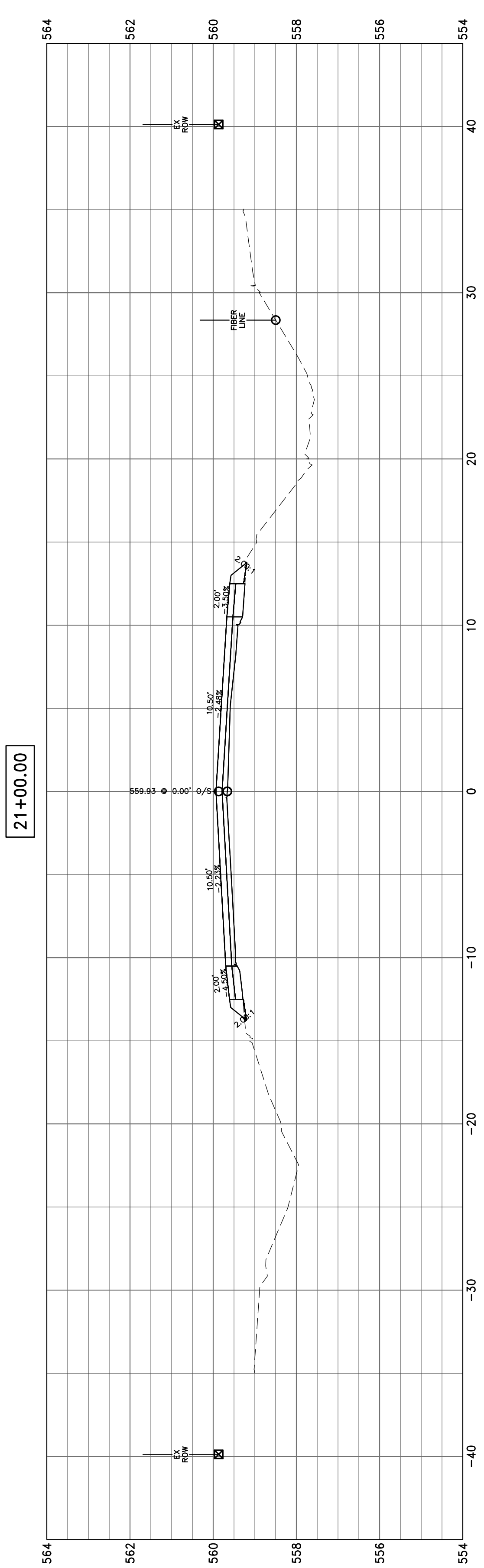
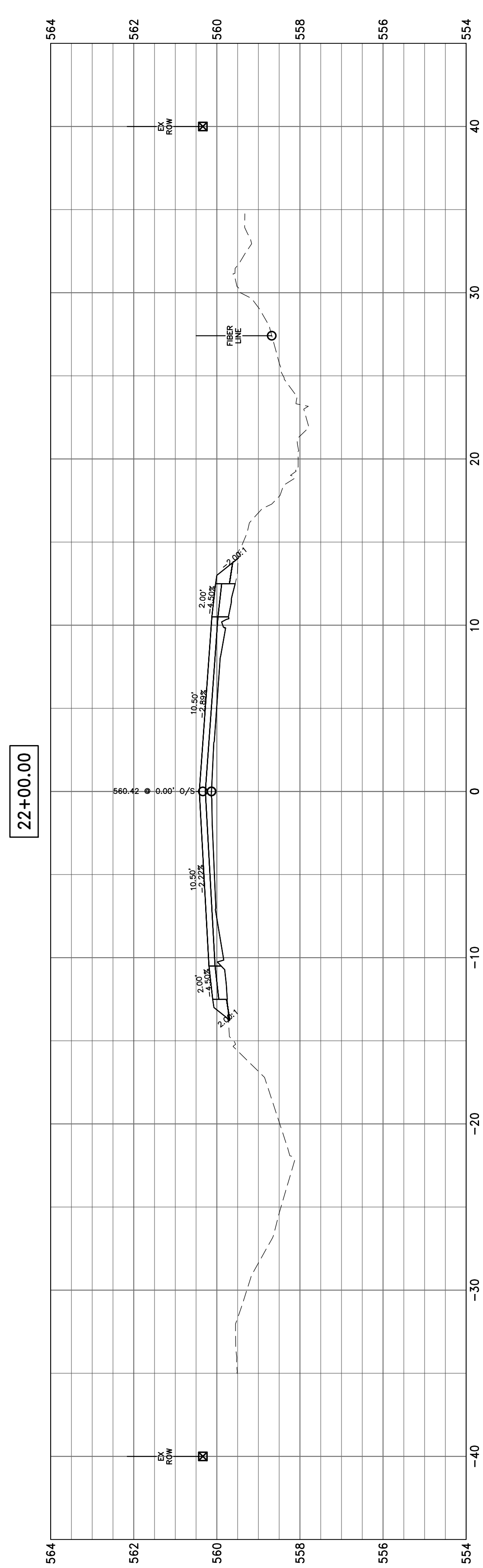


14+72.85

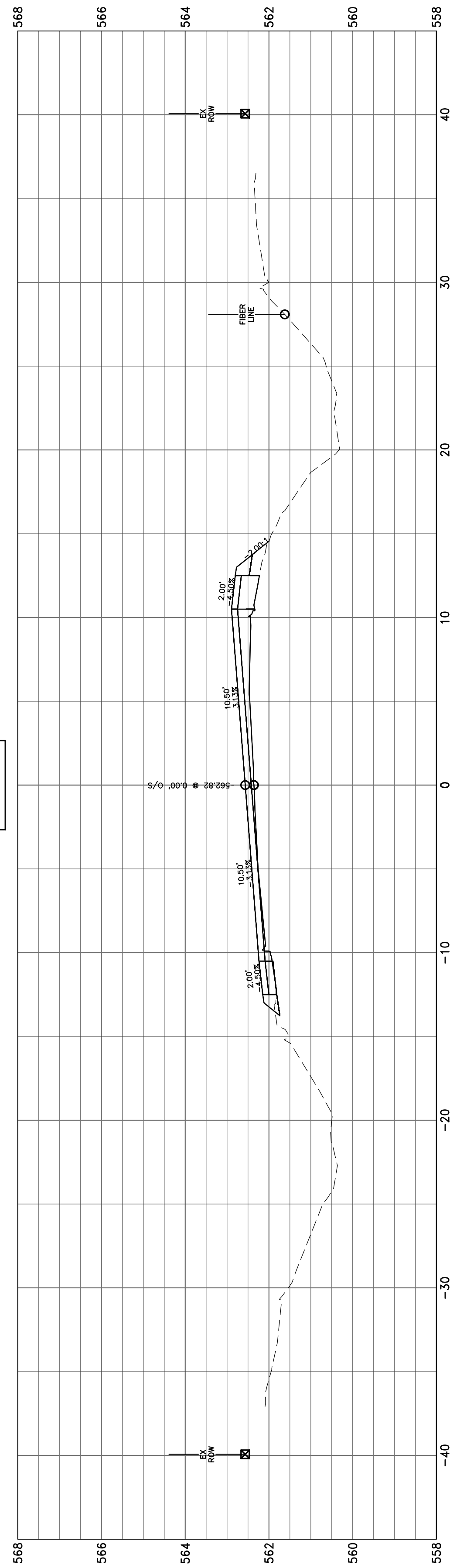


14+00.00

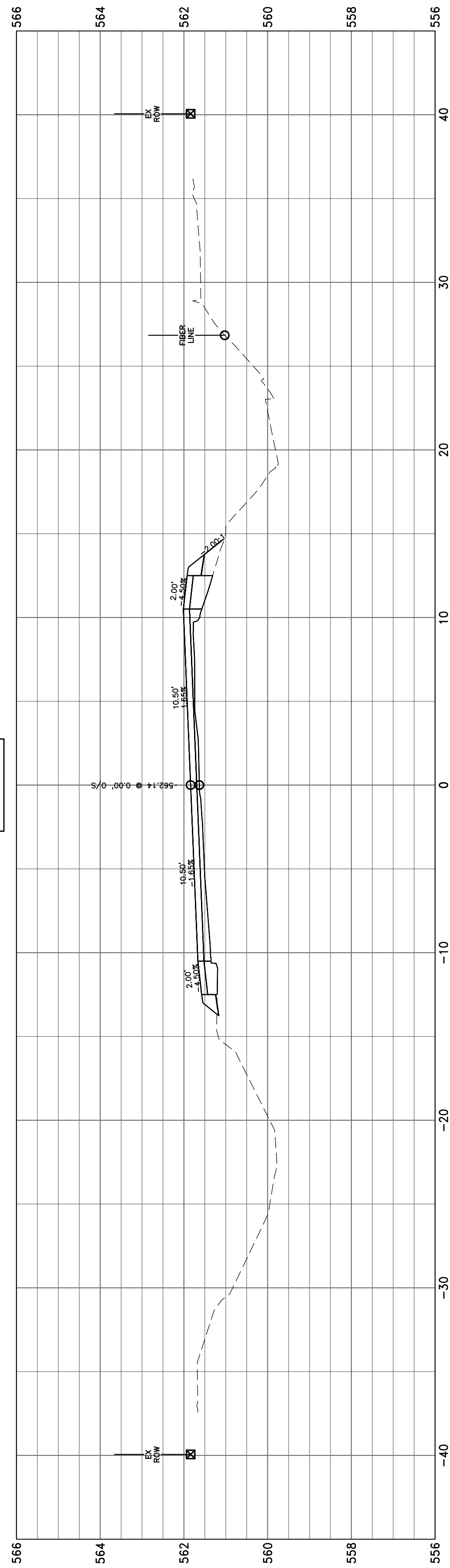




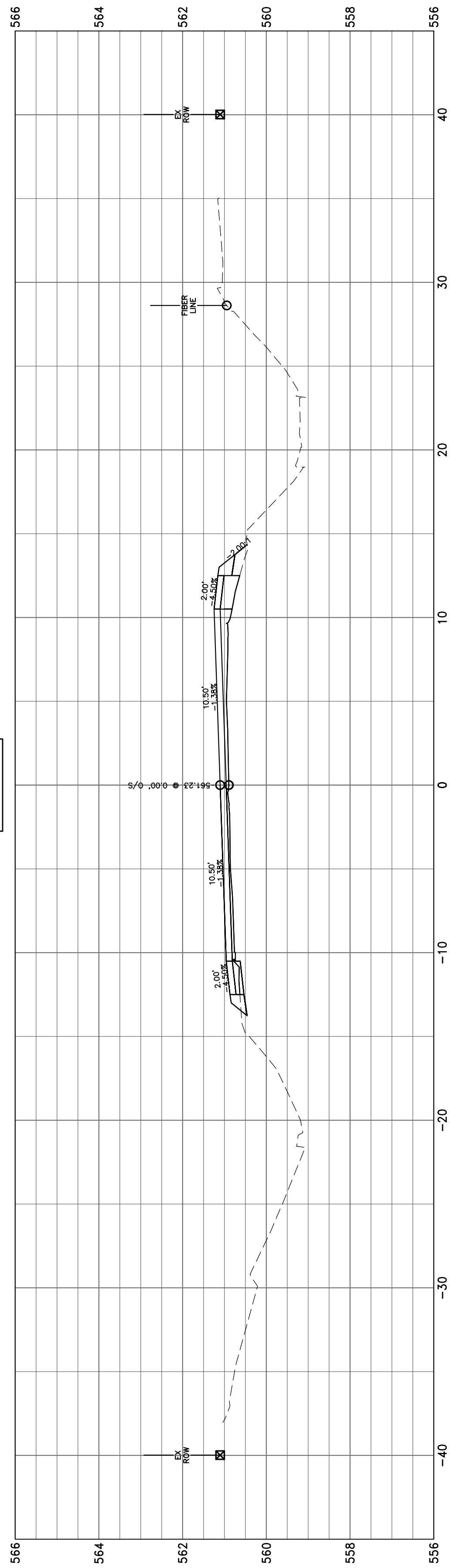
25+73.51



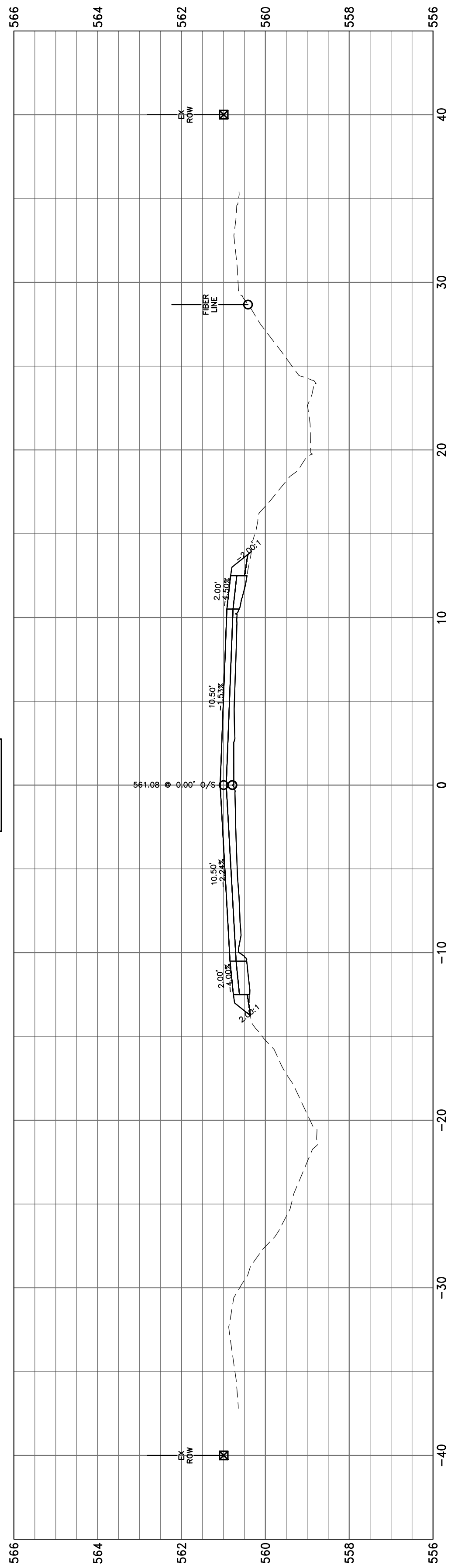
25+00.00



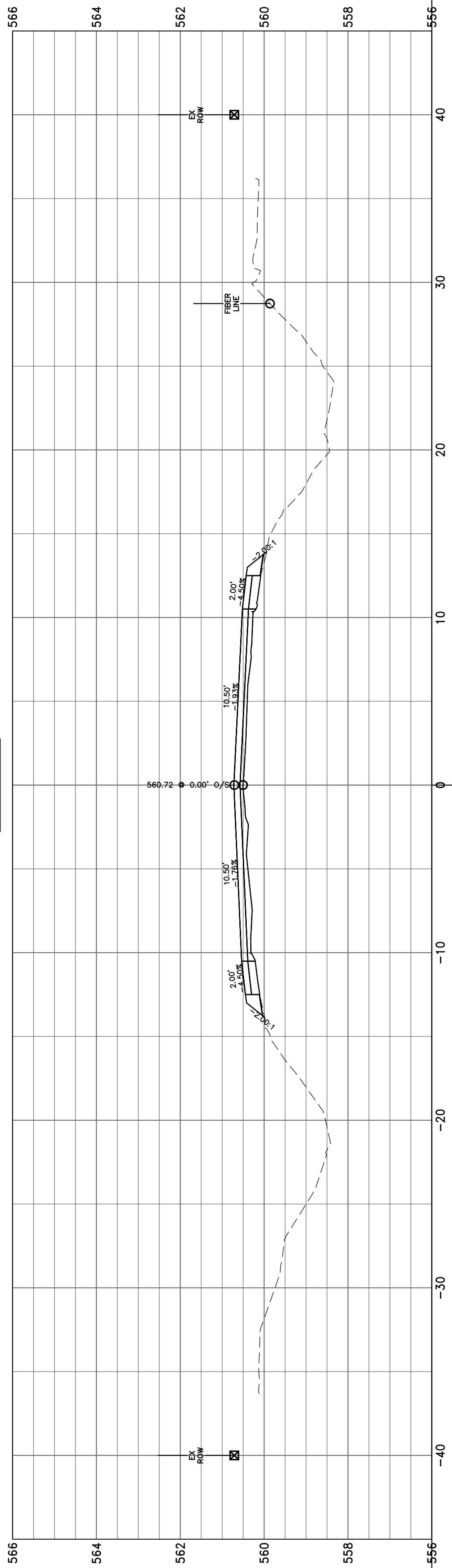
24+00.00

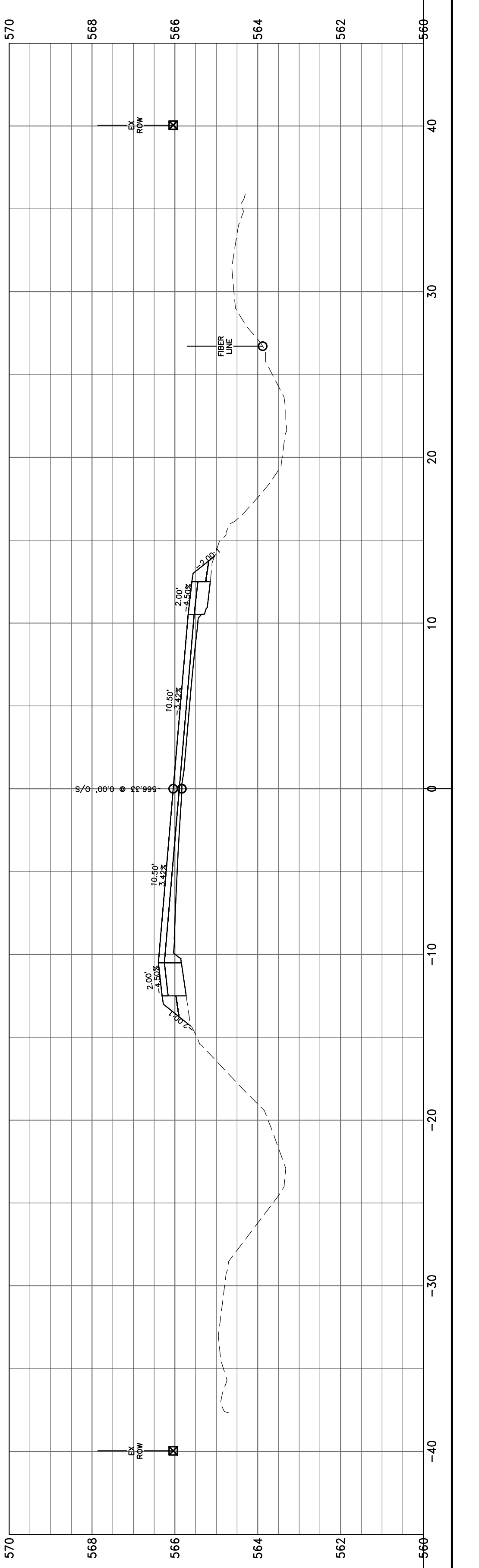
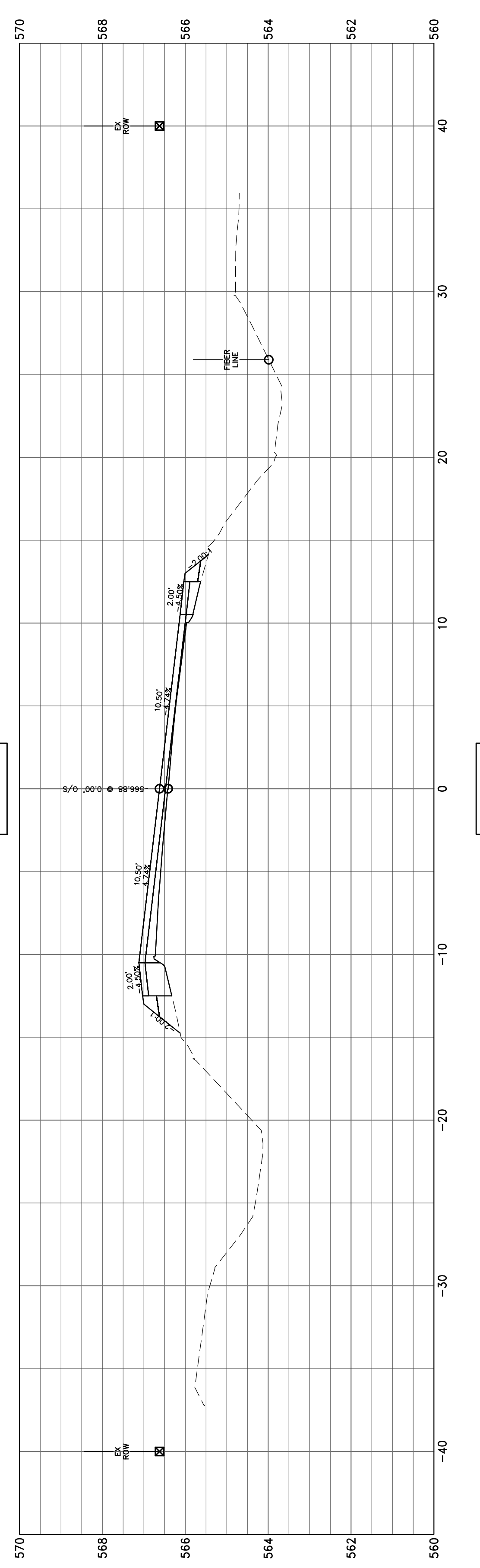
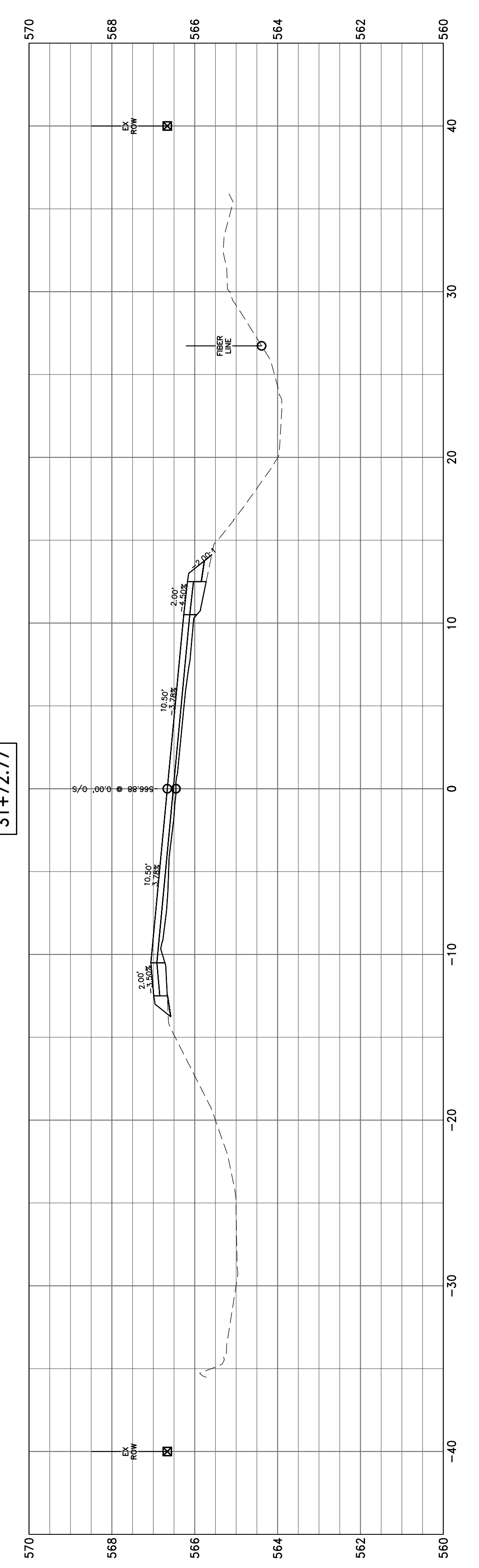
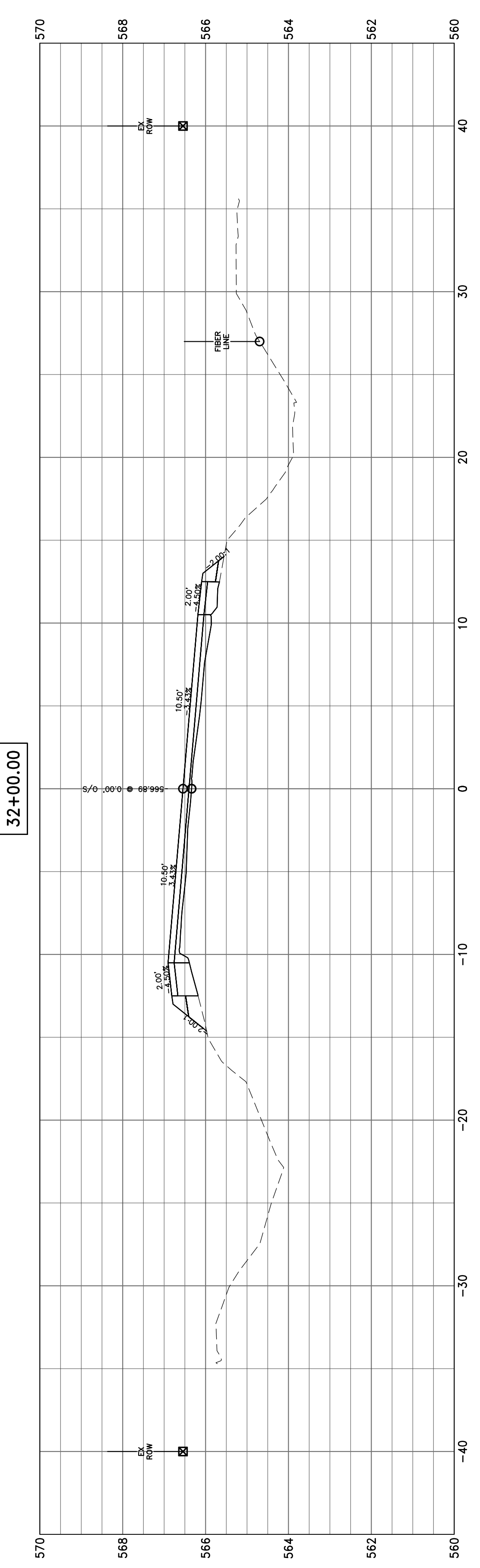
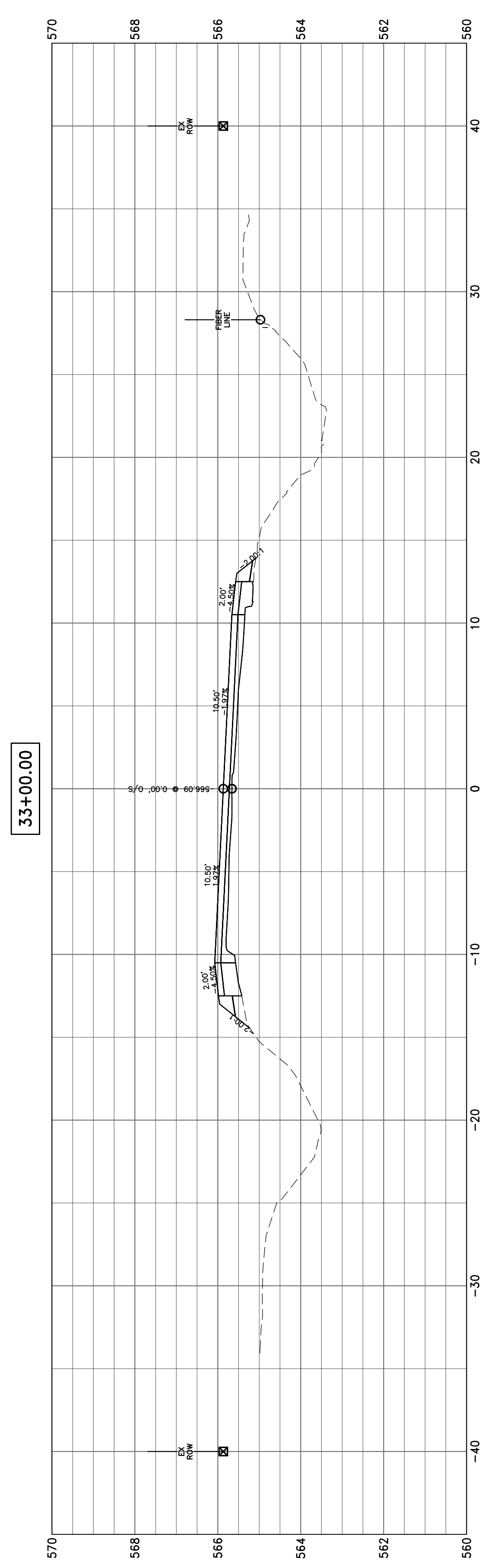


23+66.43

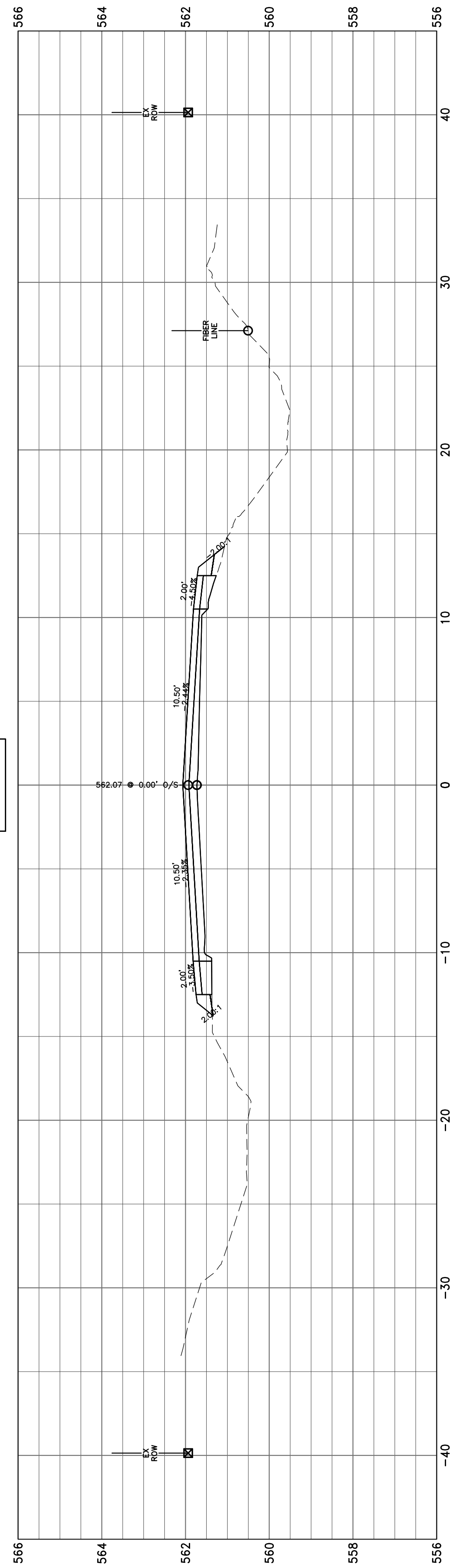


23+00.00

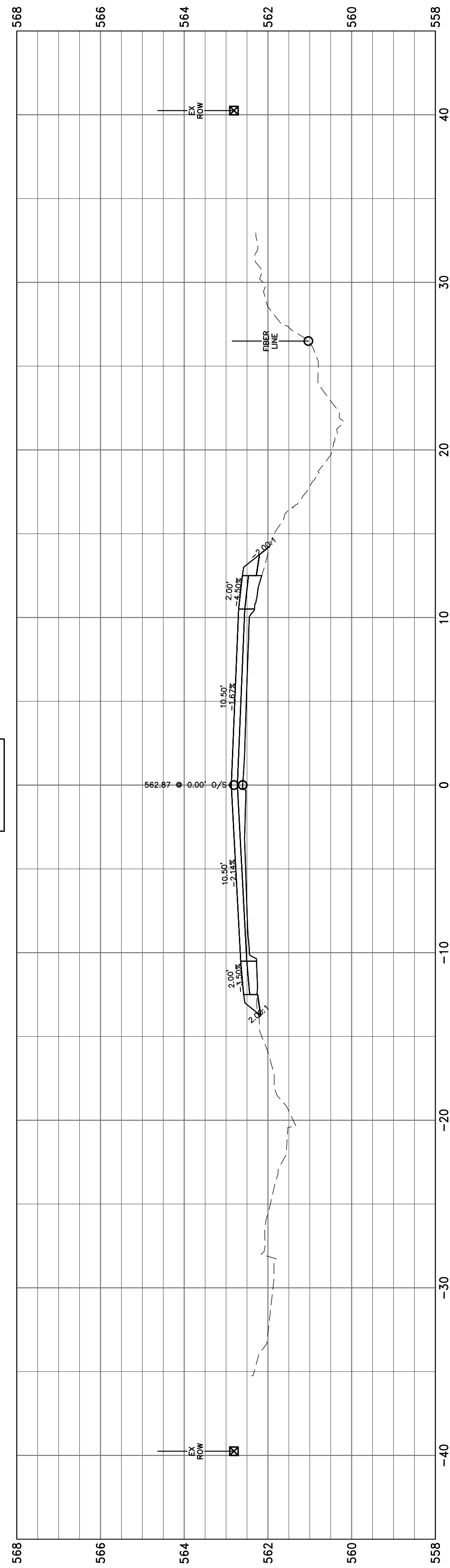




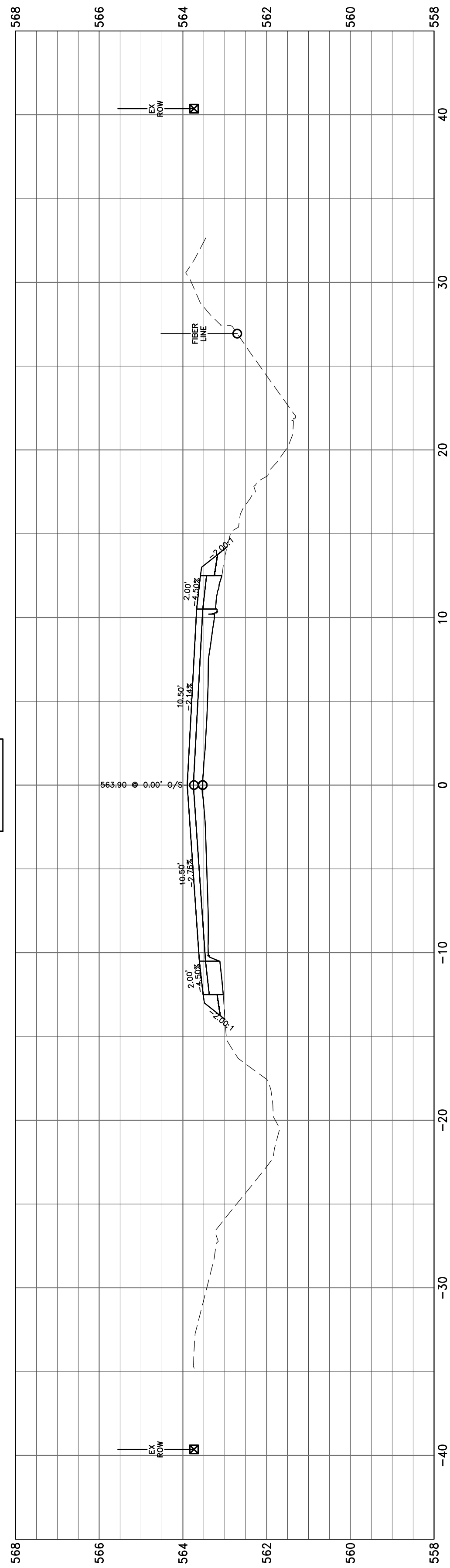
37+00.00



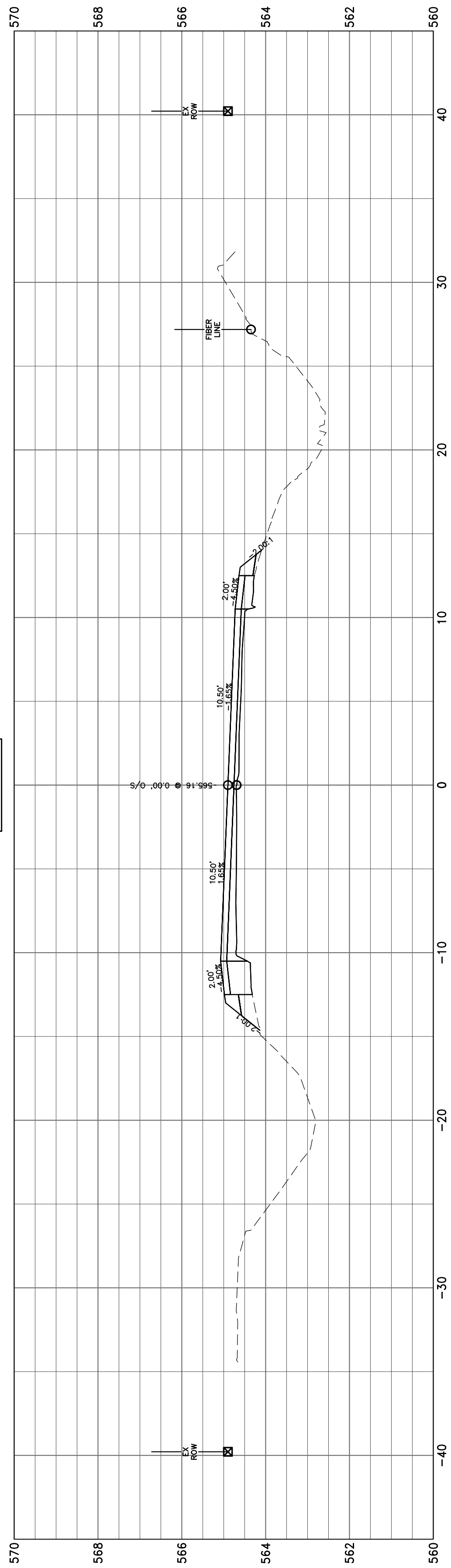
36+00.00



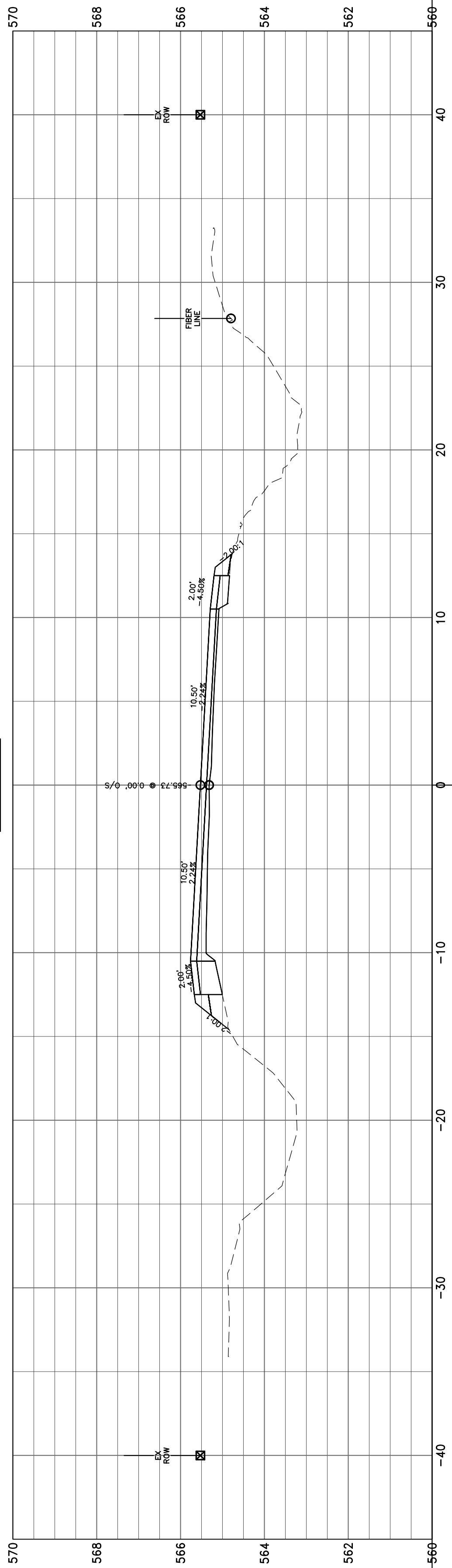
35+00.00

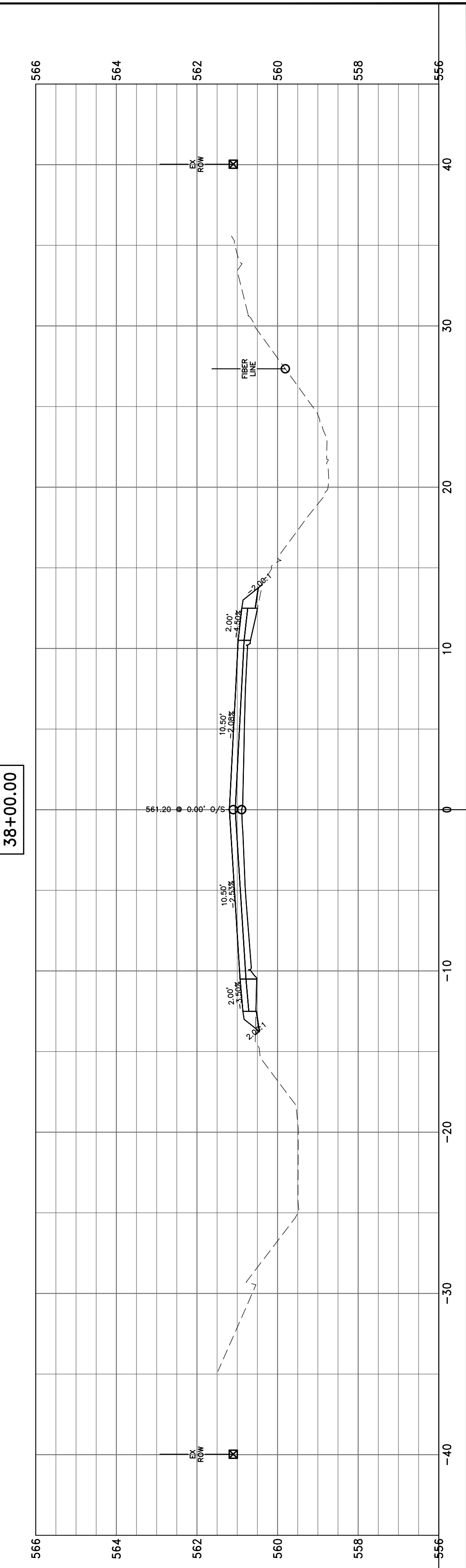
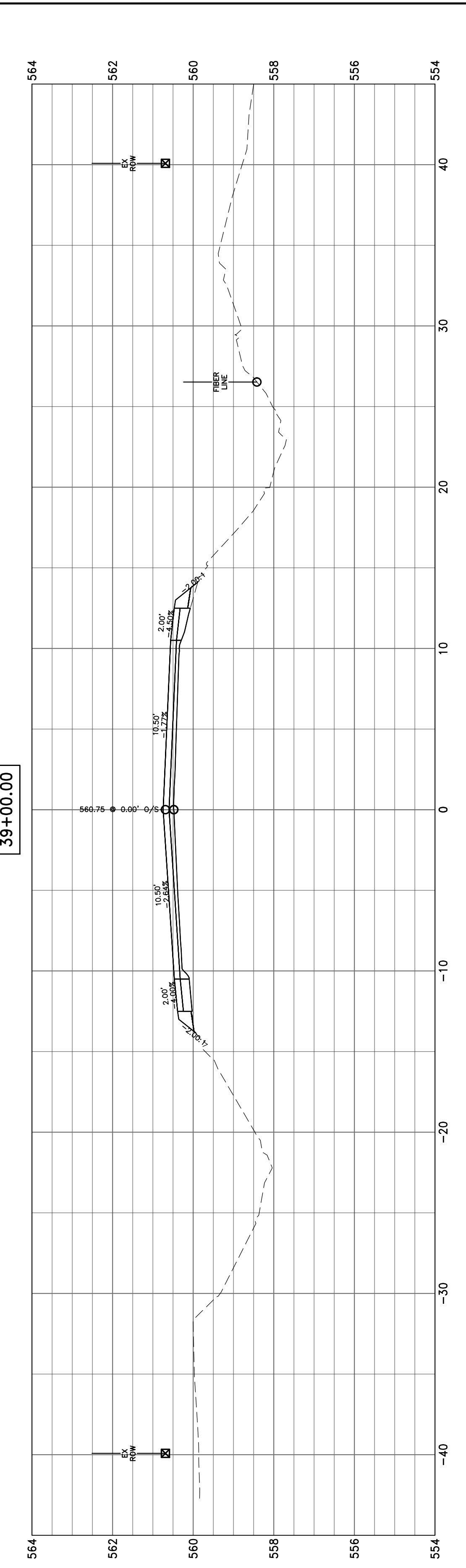
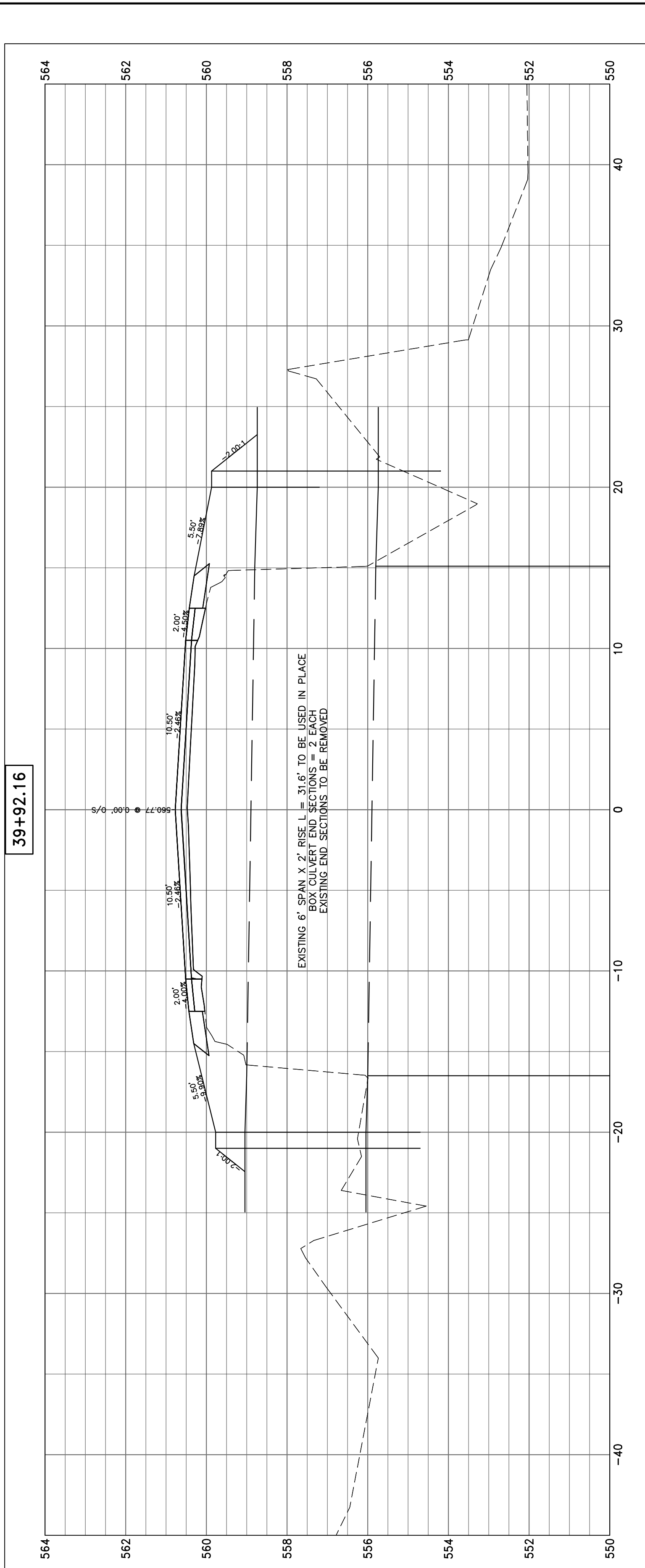
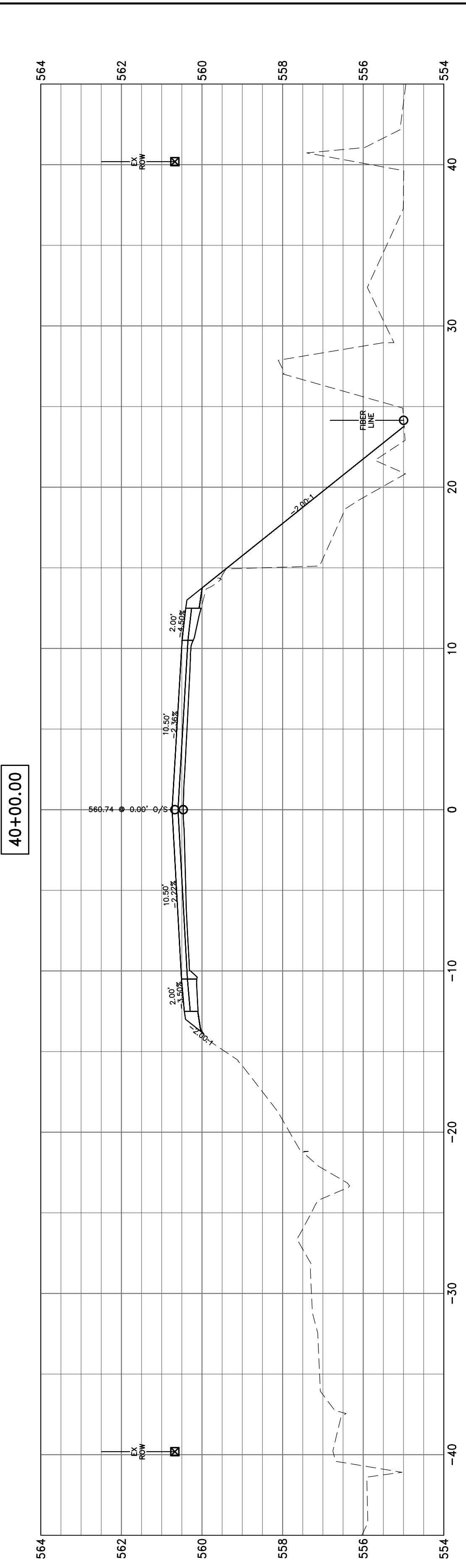
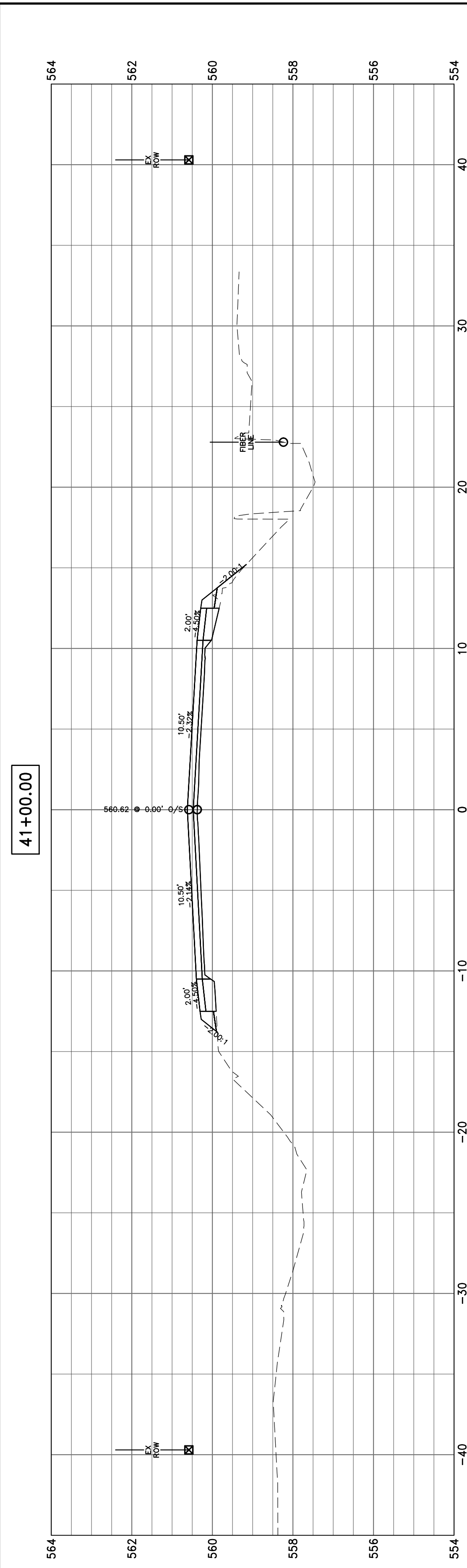


34+00.00



33+42.35





HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 2H=5V
 PLOT DATE - 06/04/2021

DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/04/2021

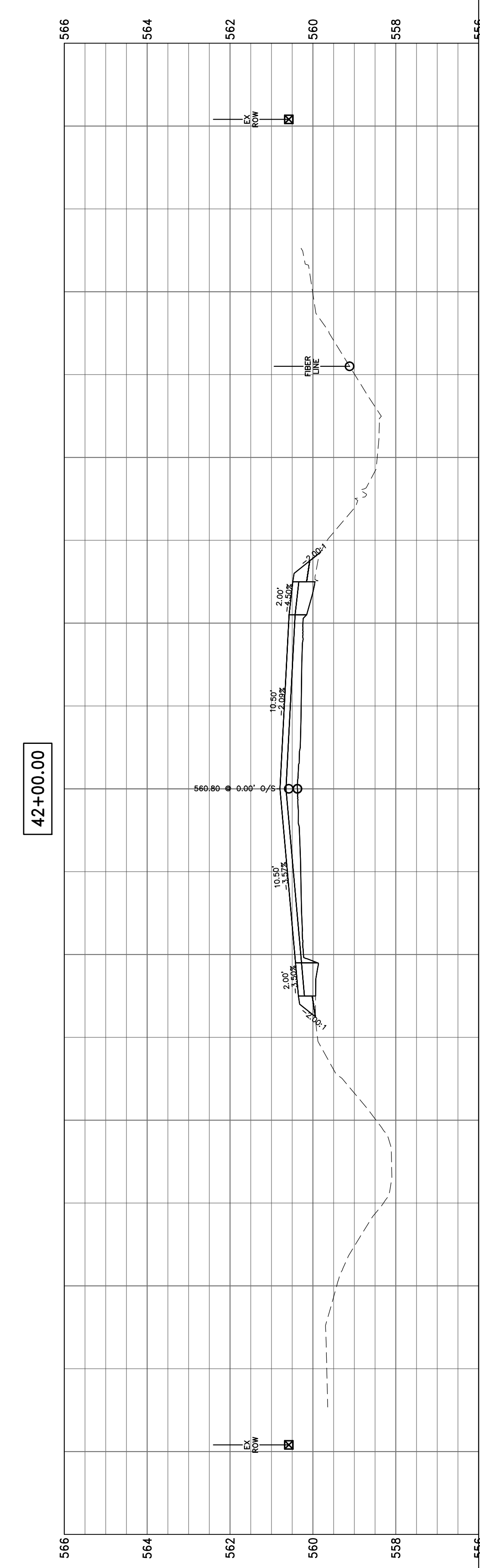
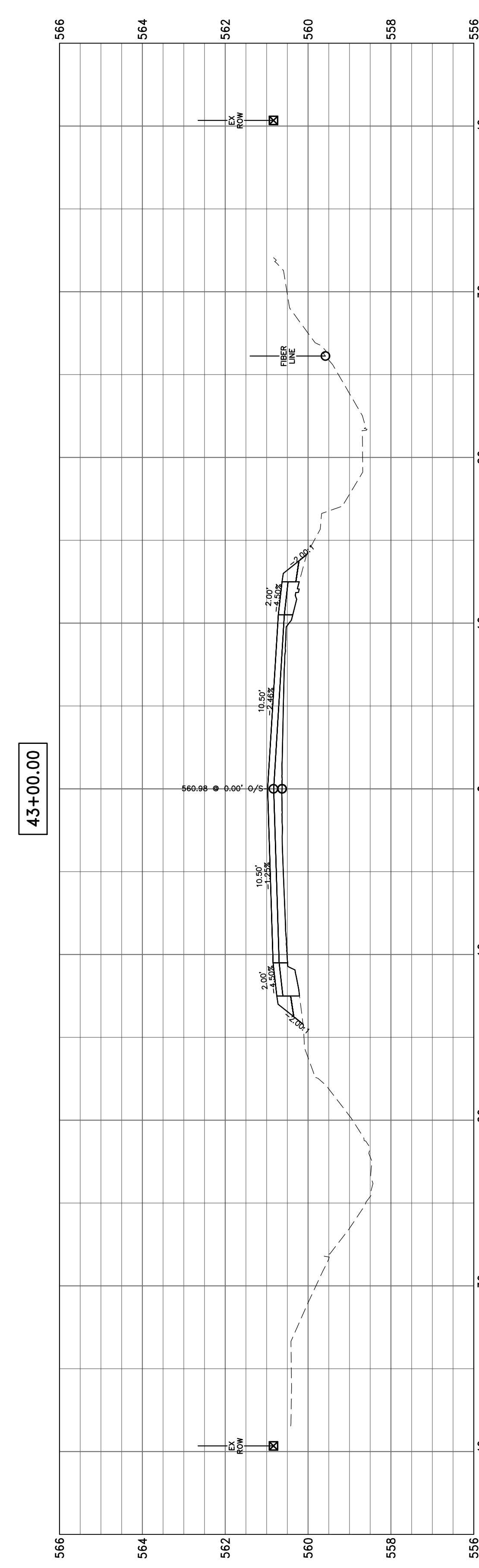
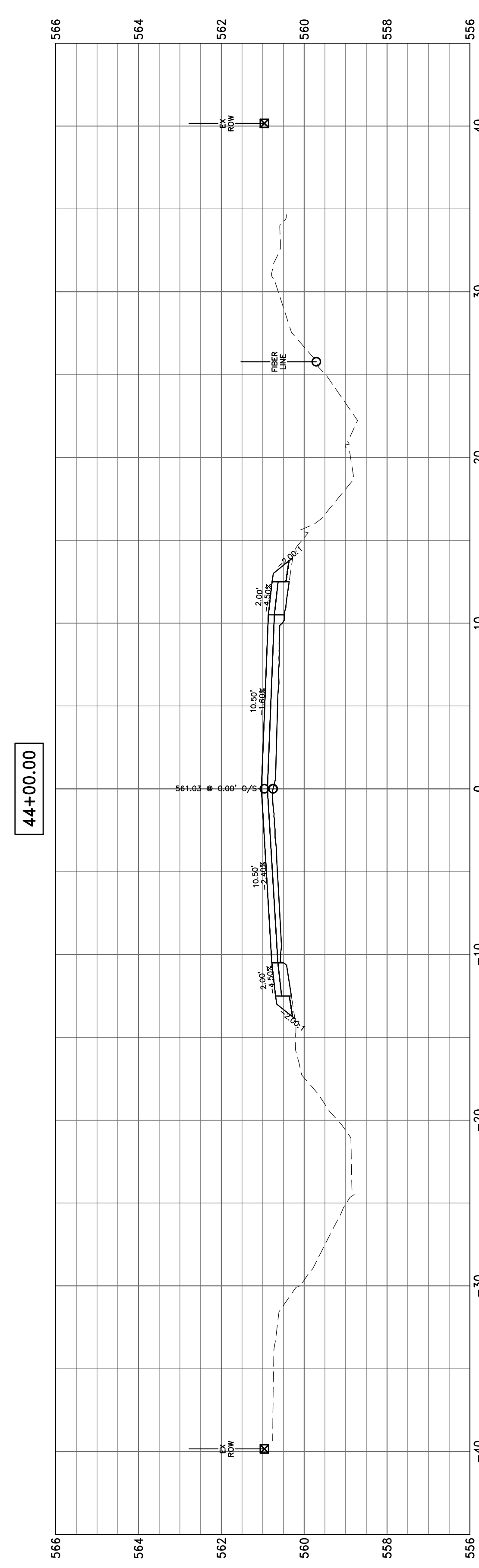
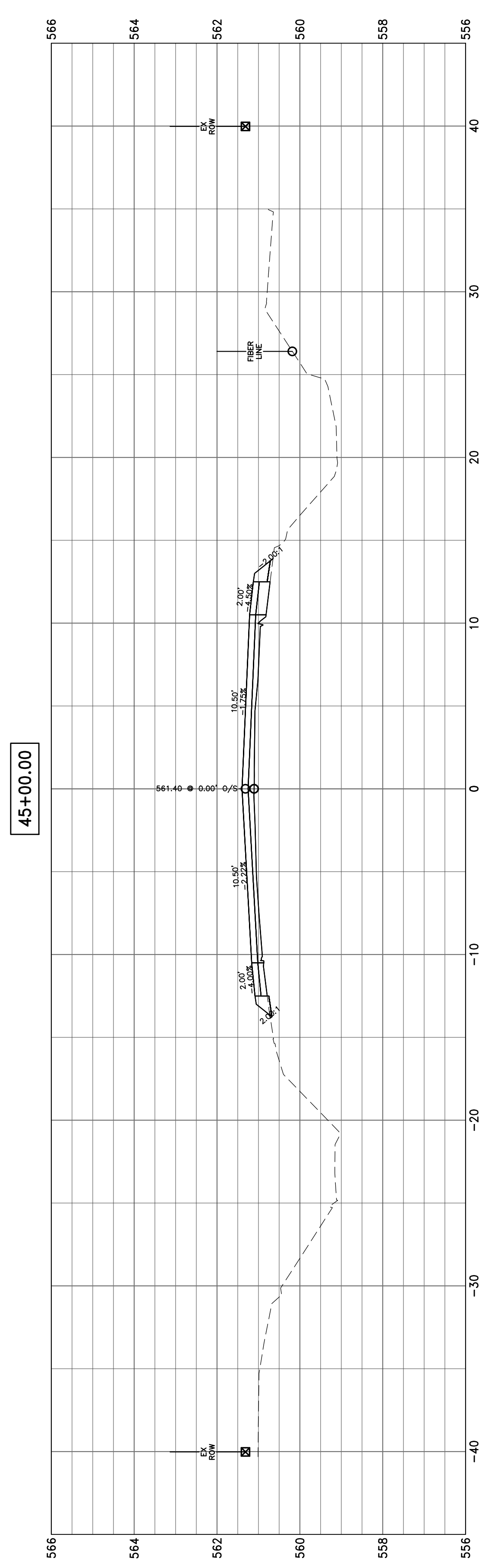
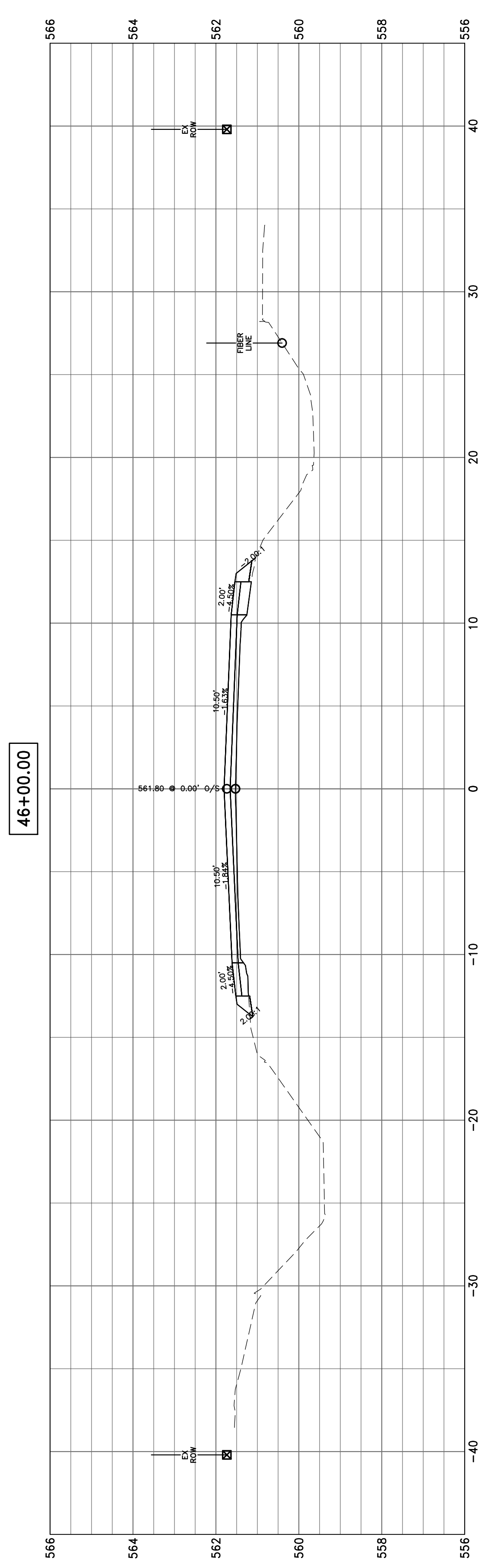
REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

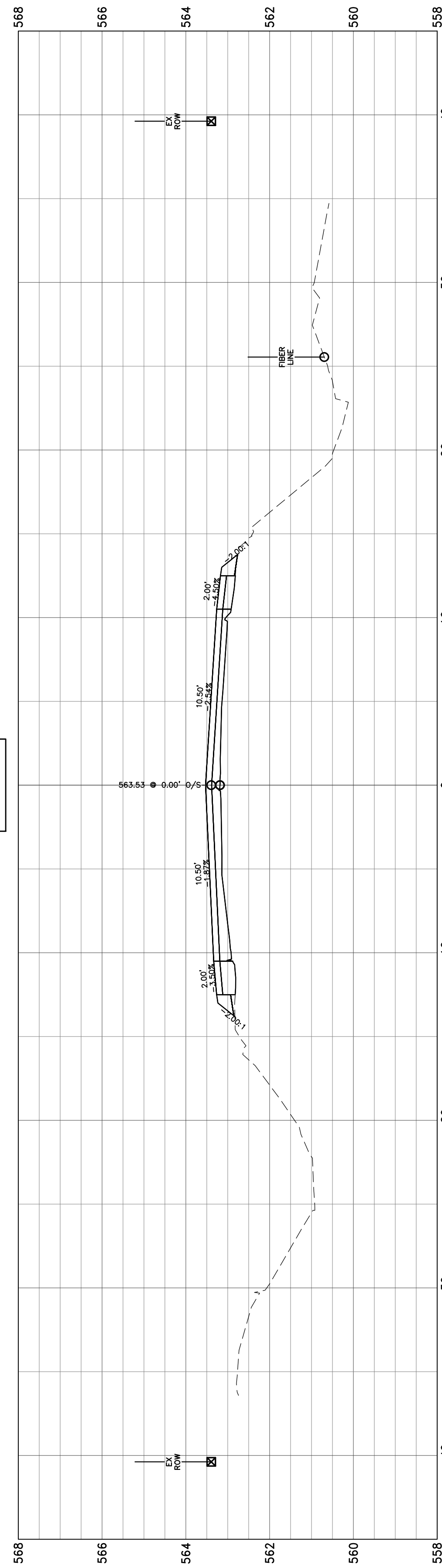
SCALE: 1"=10'
 SHEET 8 OF 104 SHEETS
 STA. 38+00.00 TO STA. 41+00.00

CROSS SECTIONS

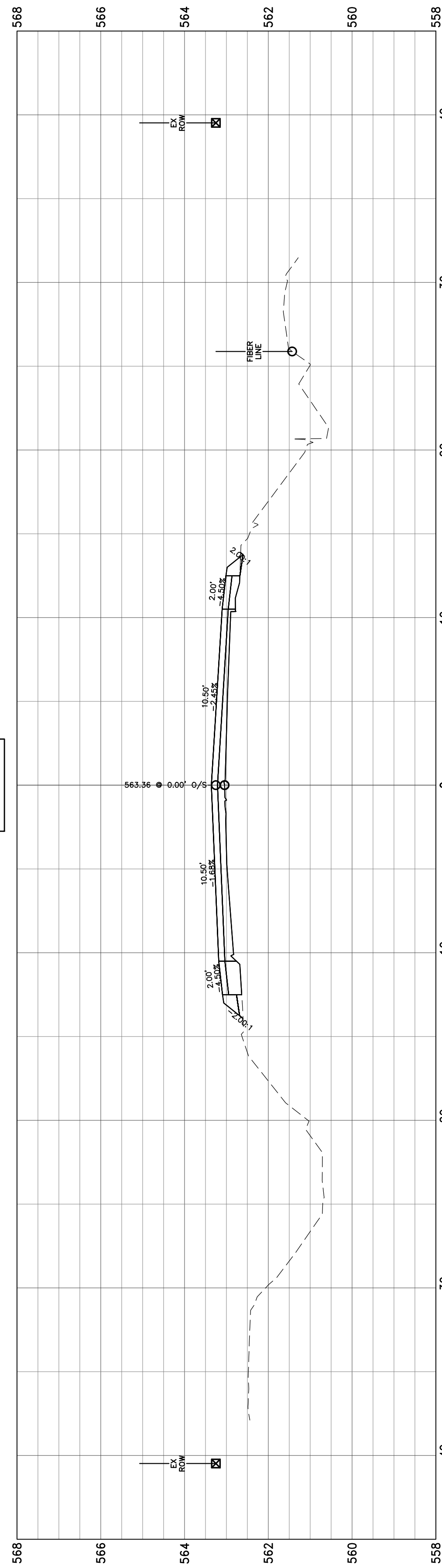
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	86
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		



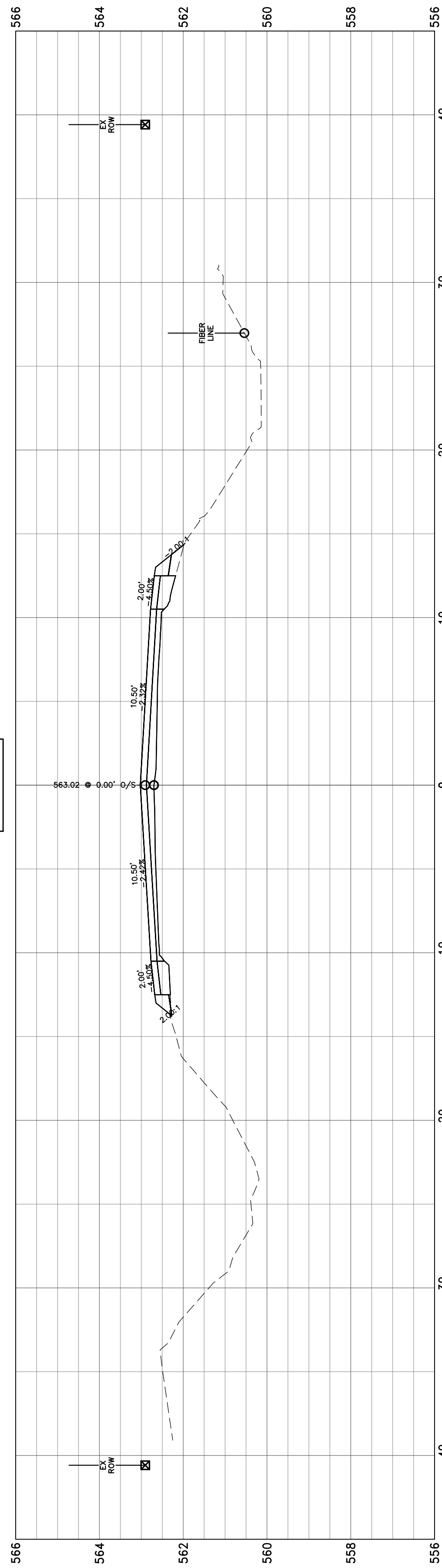
51+00.00



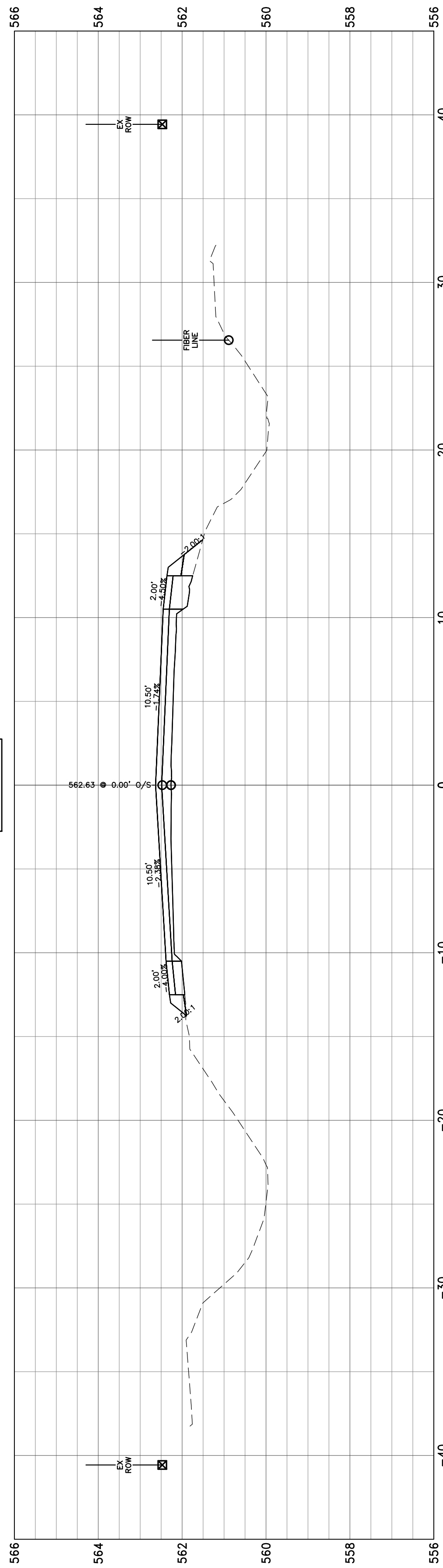
50+00.00



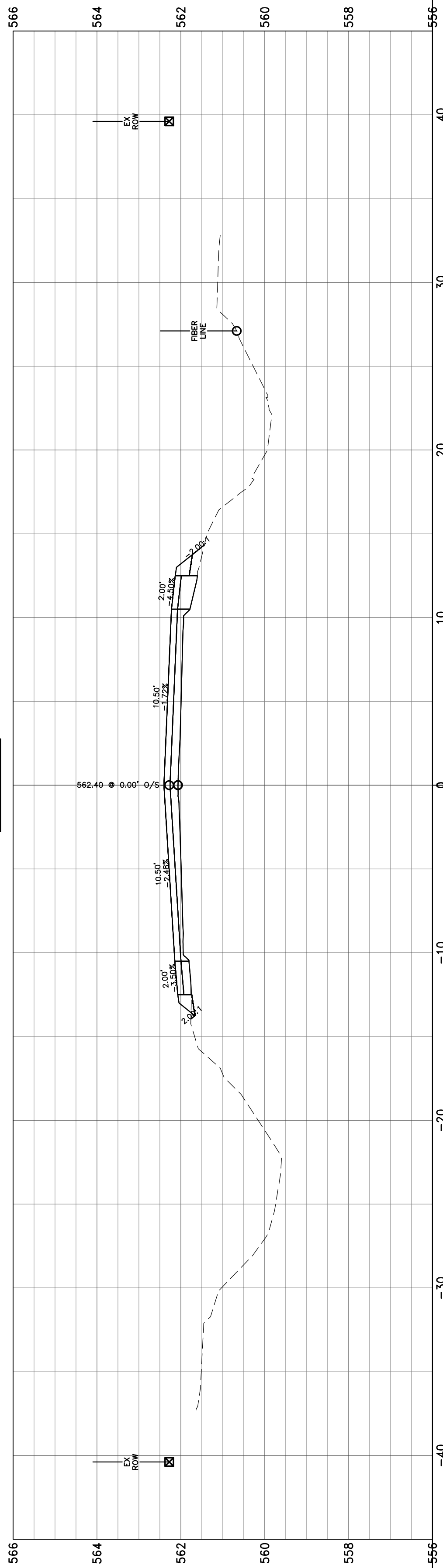
49+00.00

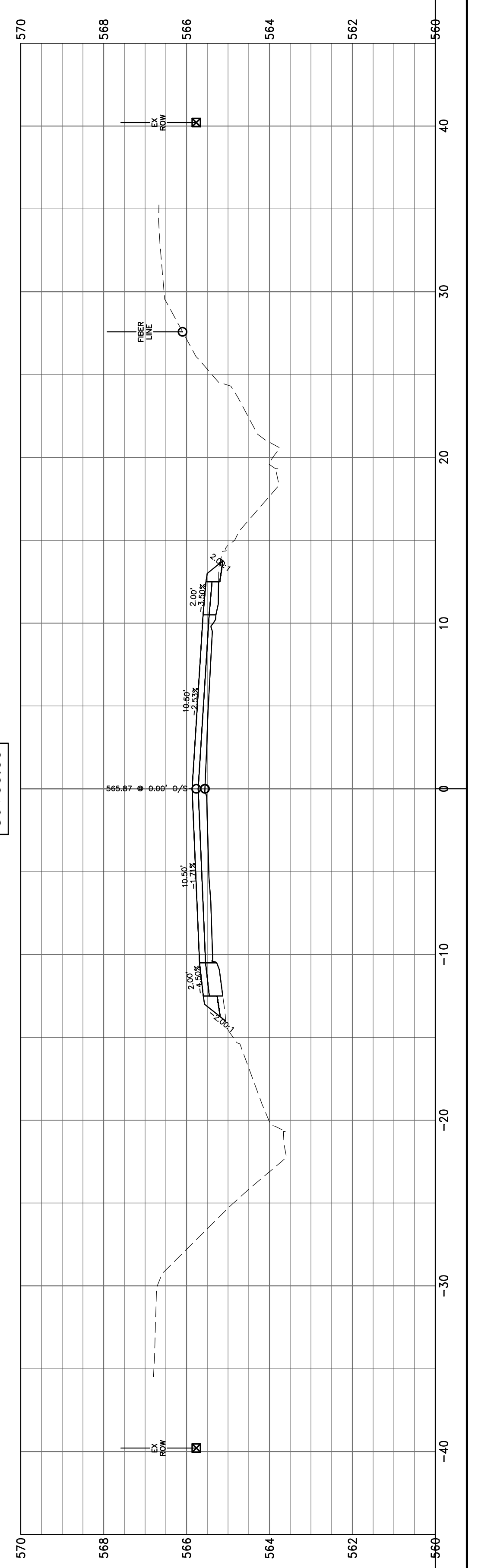
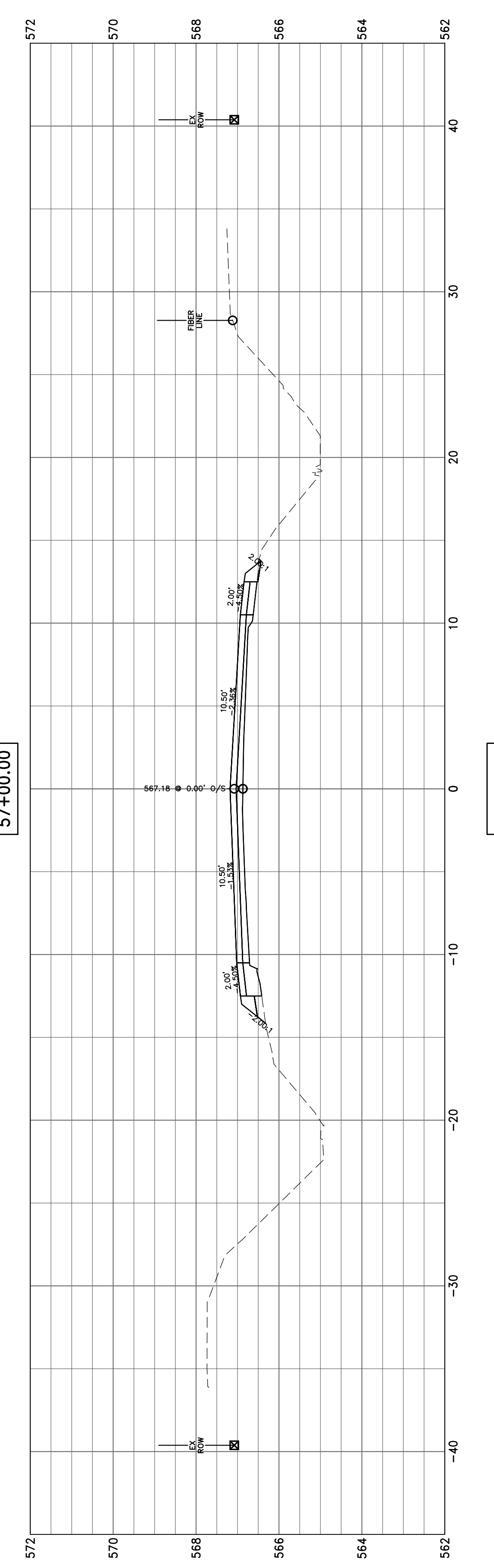
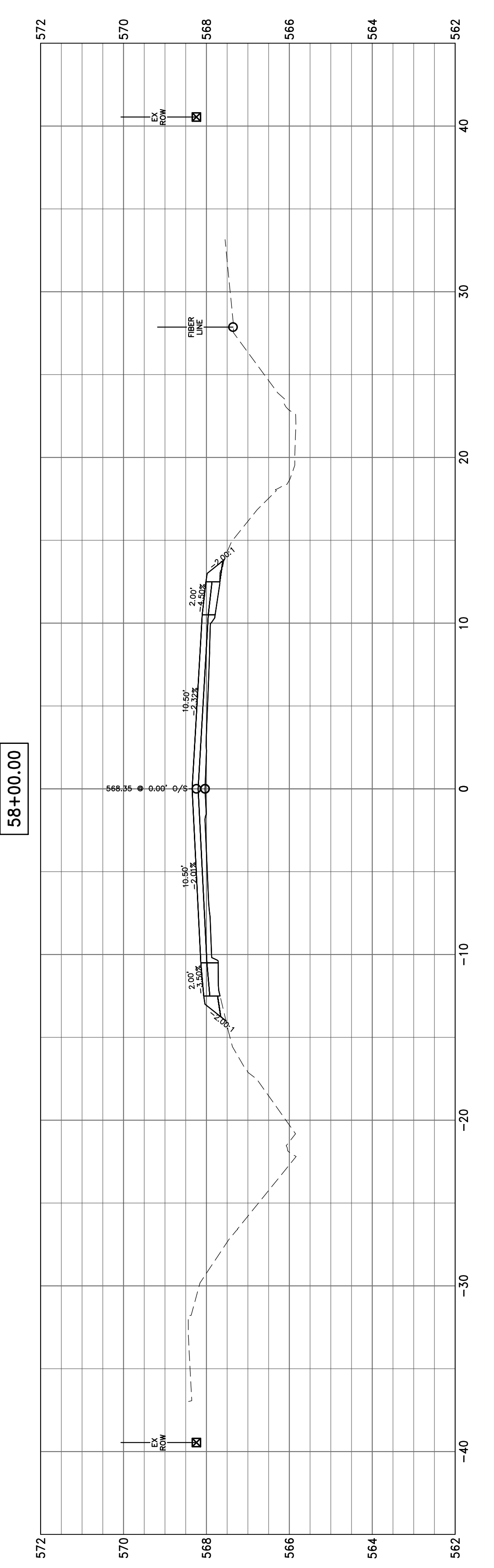
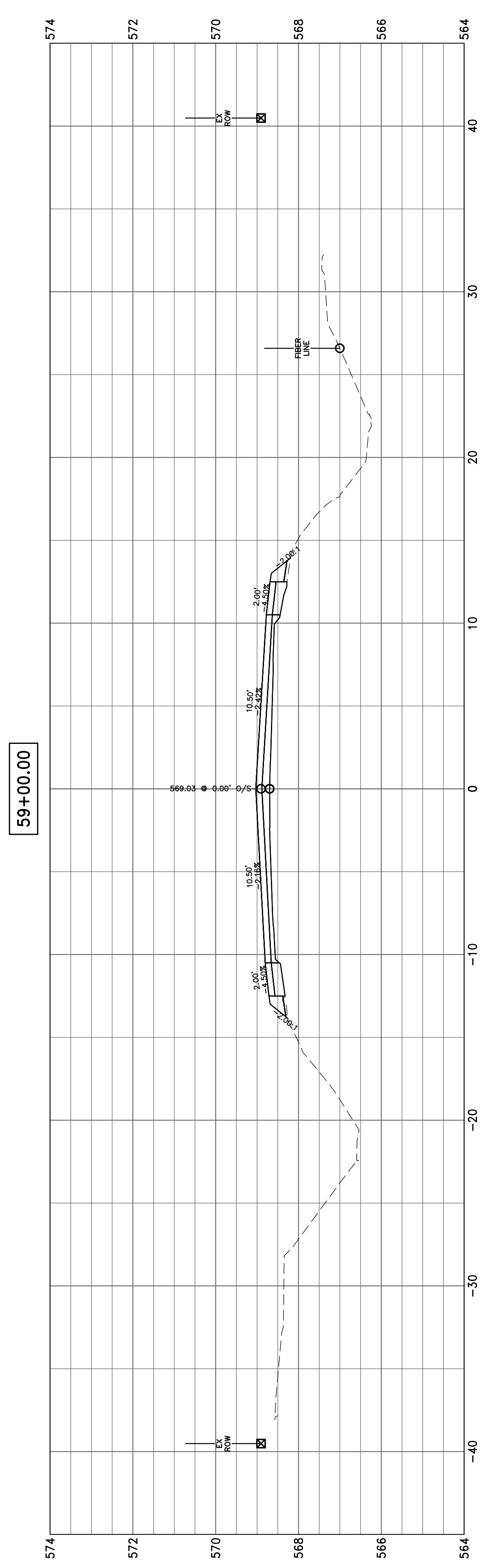
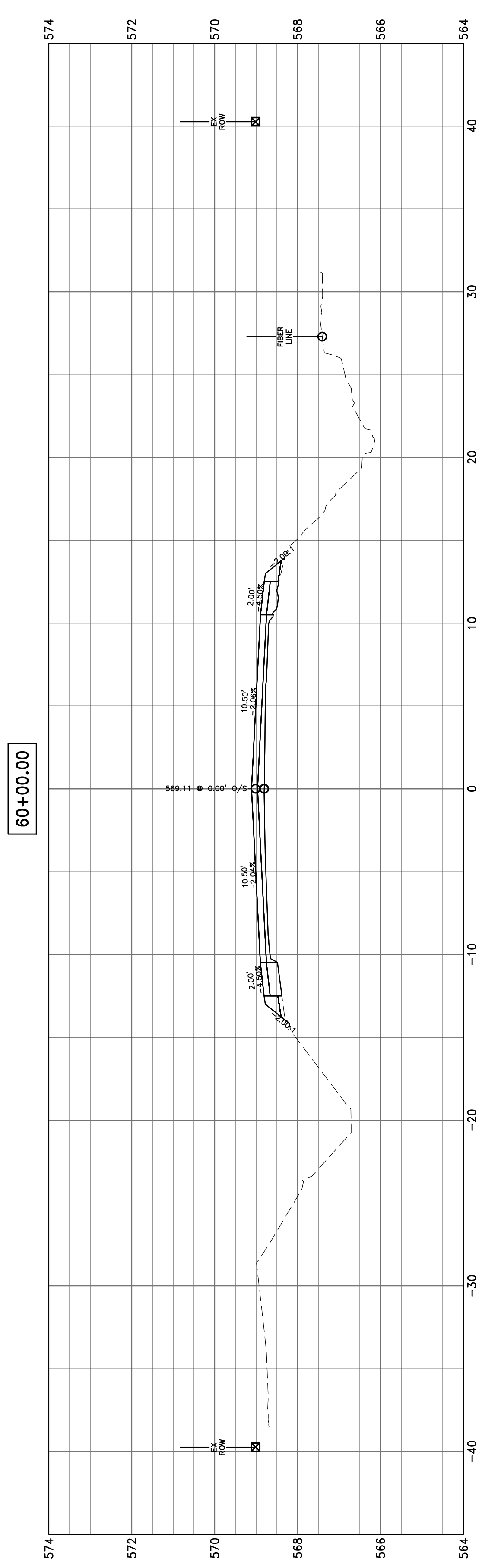


48+00.00

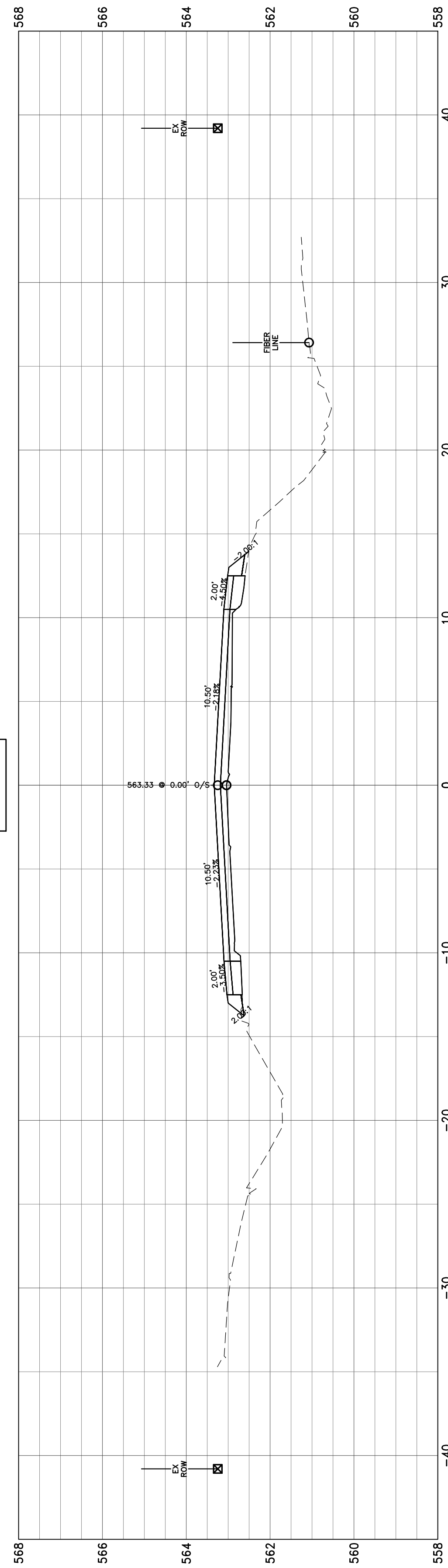


47+00.00

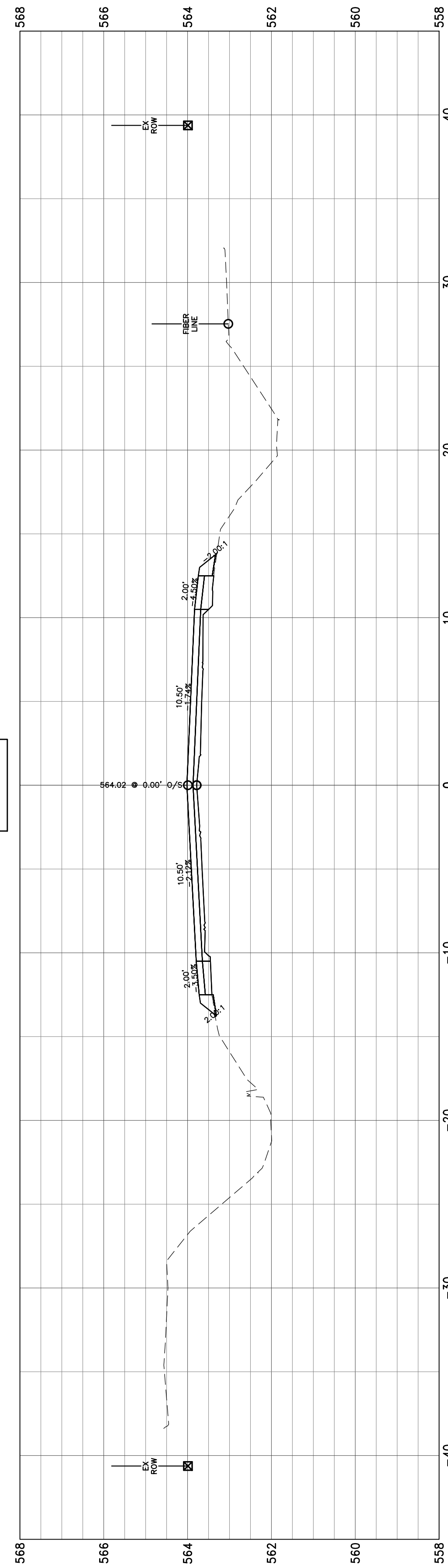




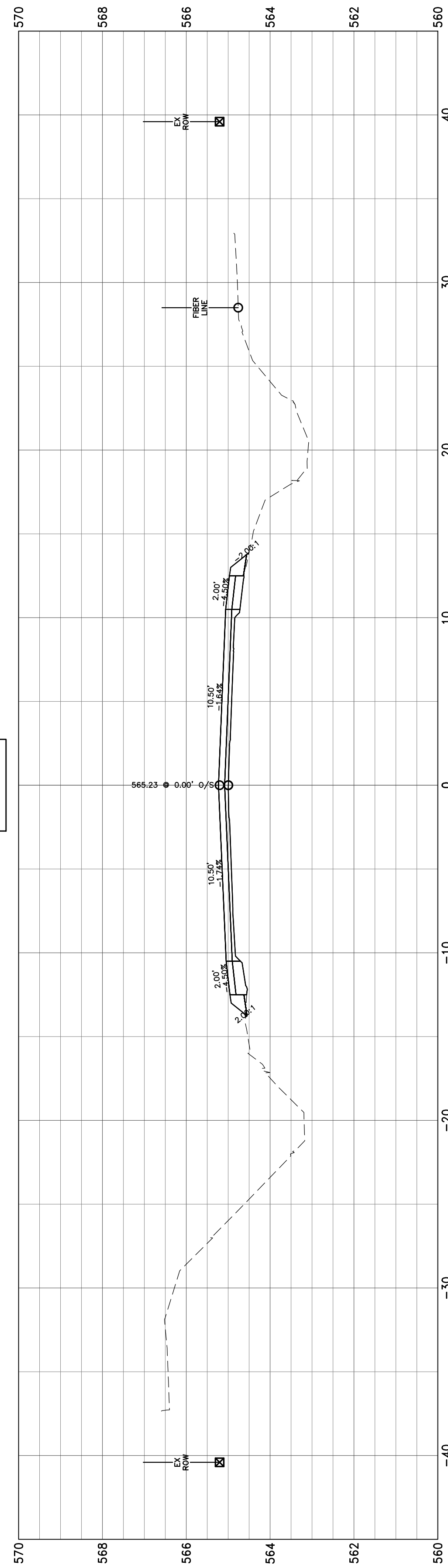
65+00.00



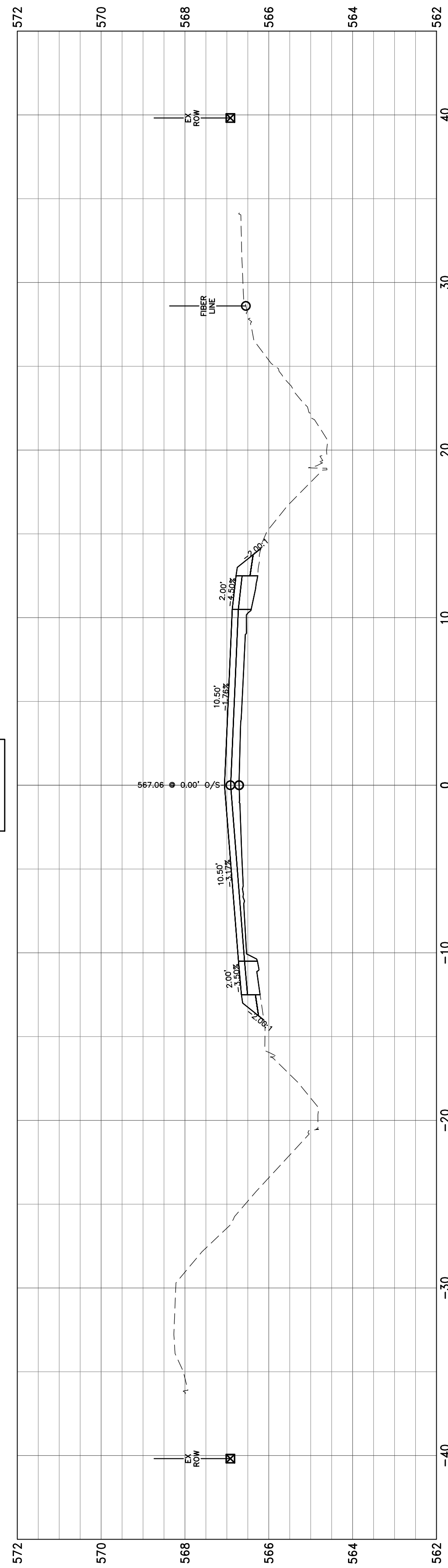
64+00.00



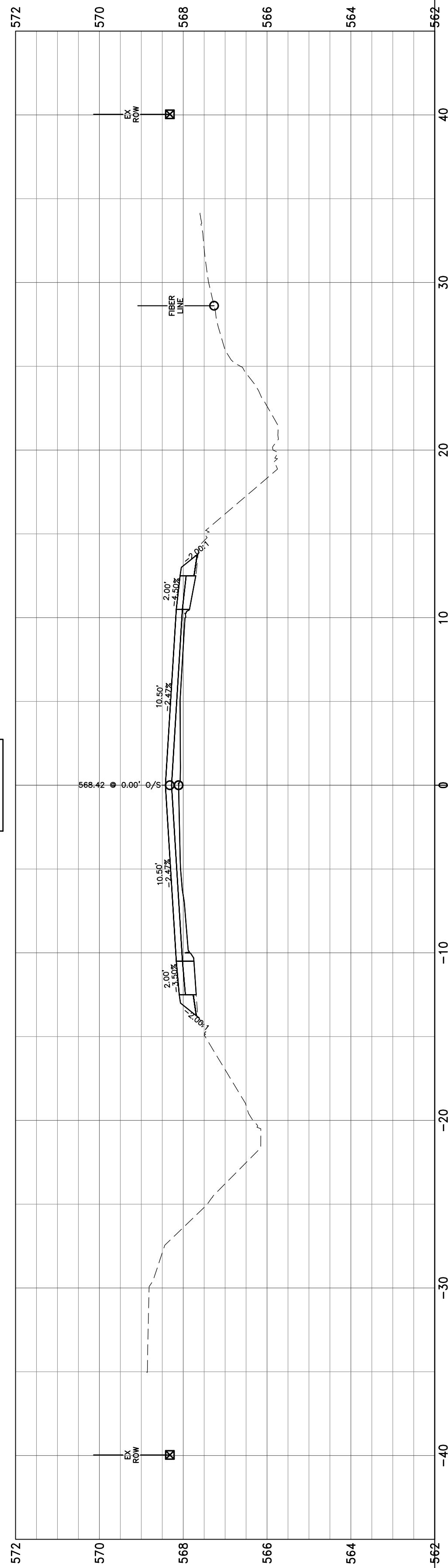
63+00.00

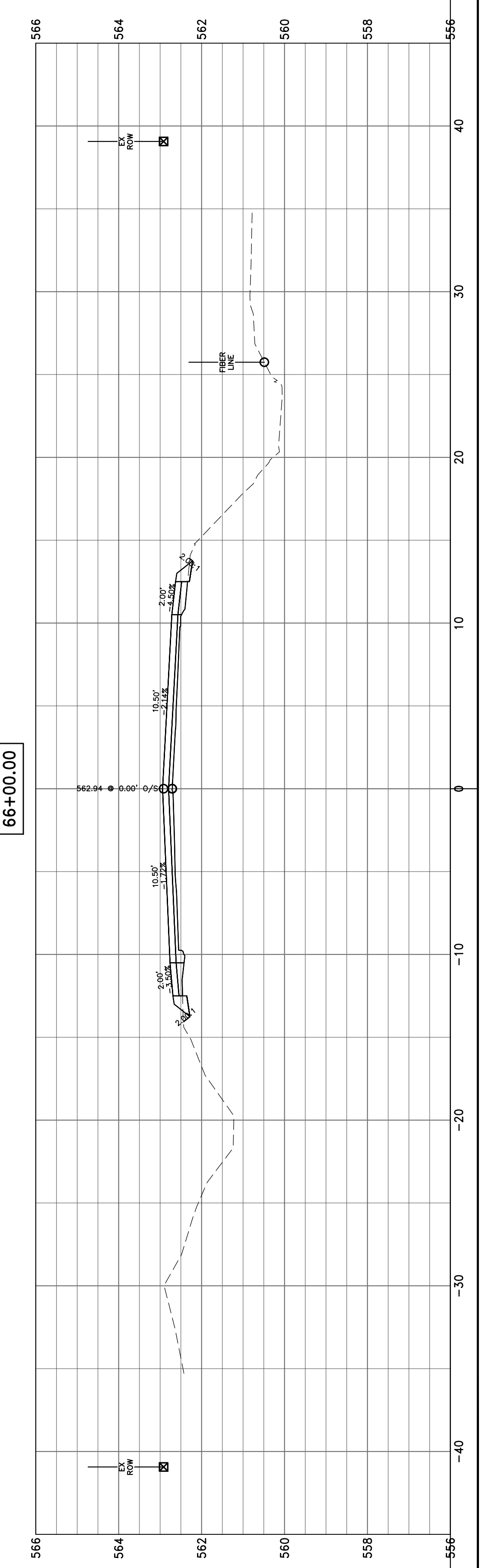
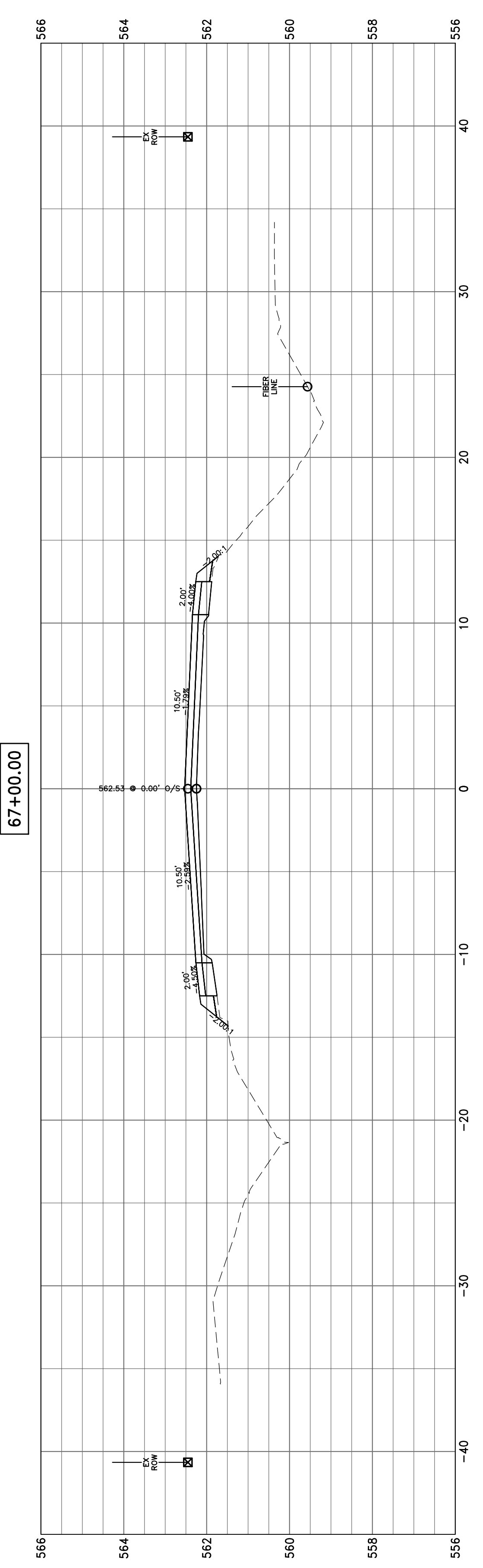
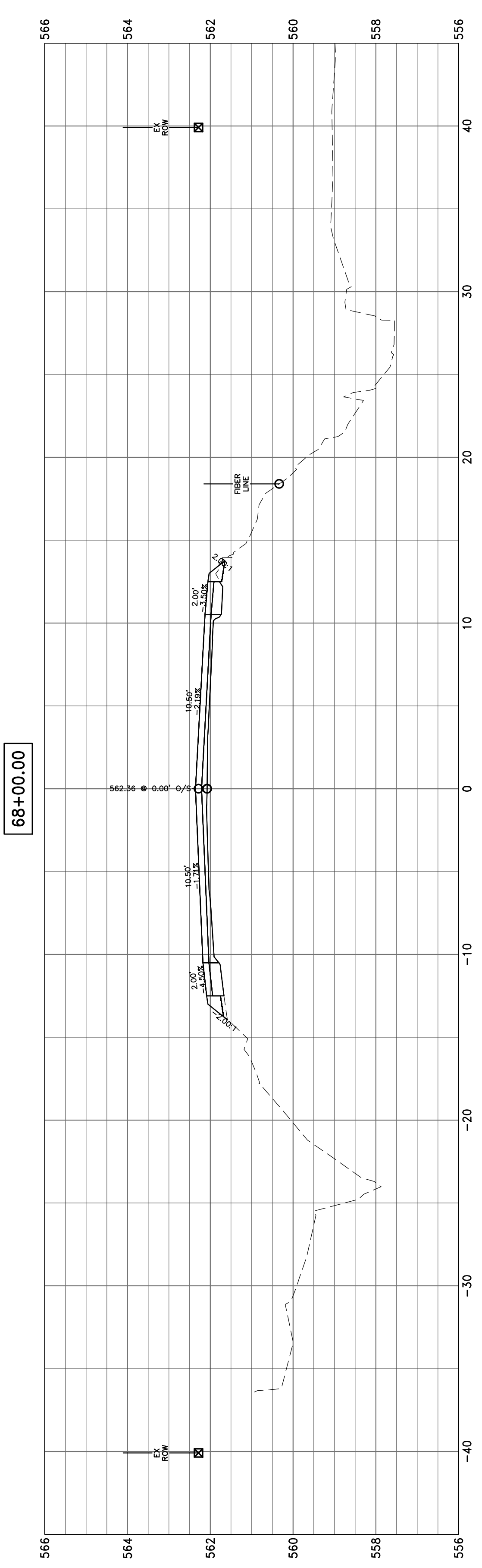
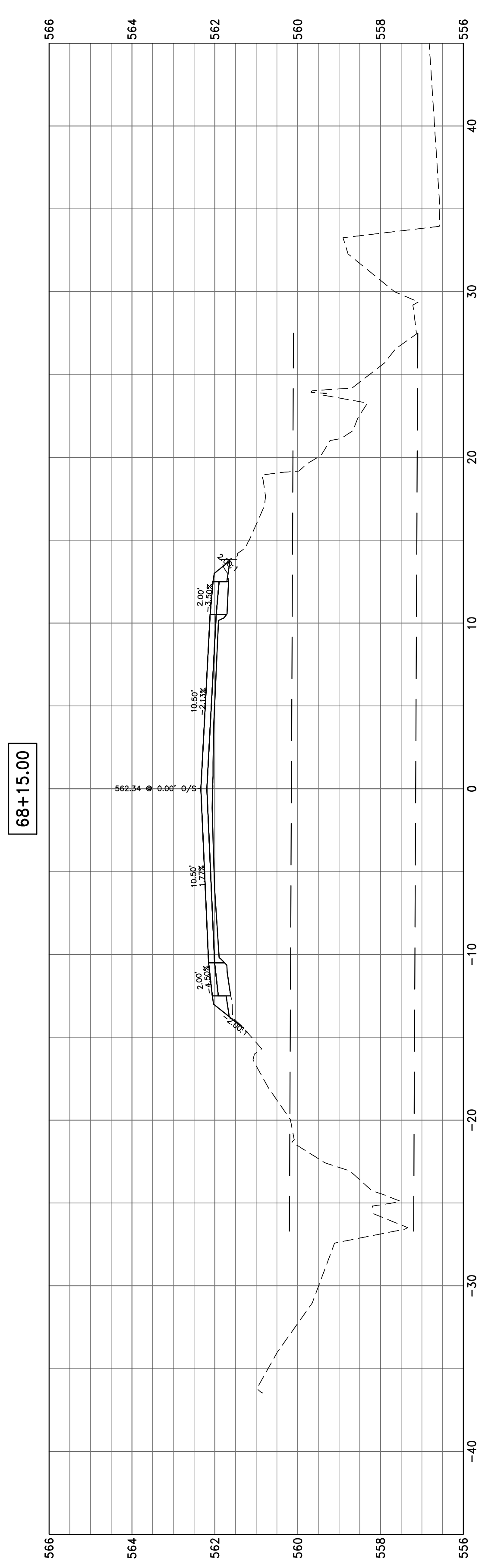
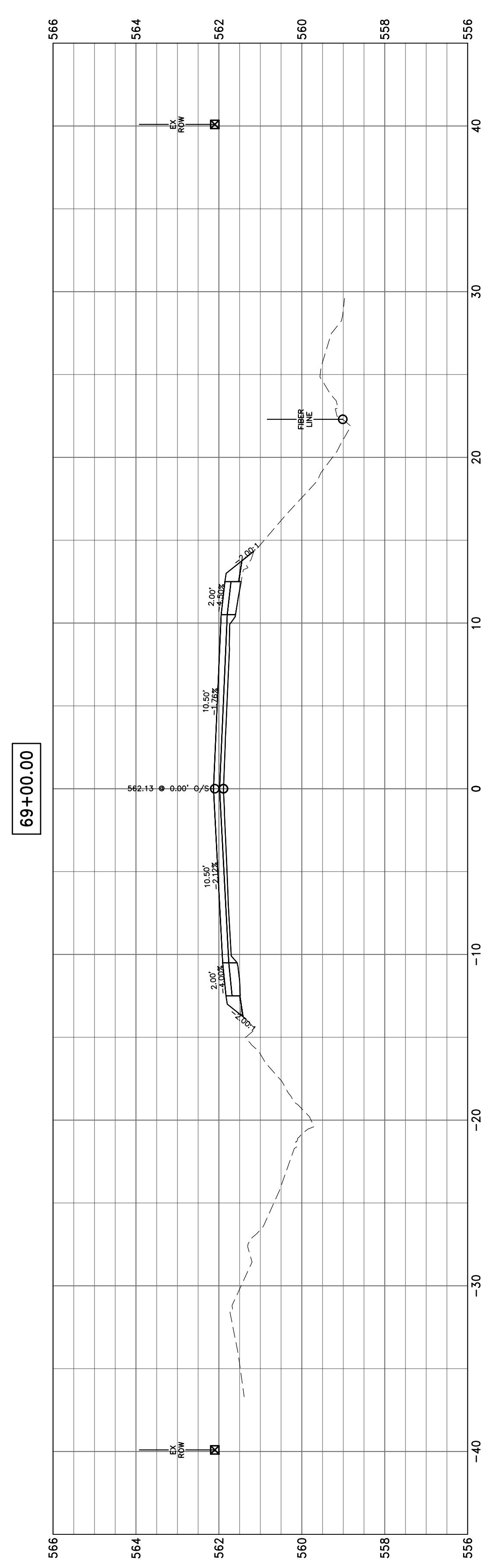


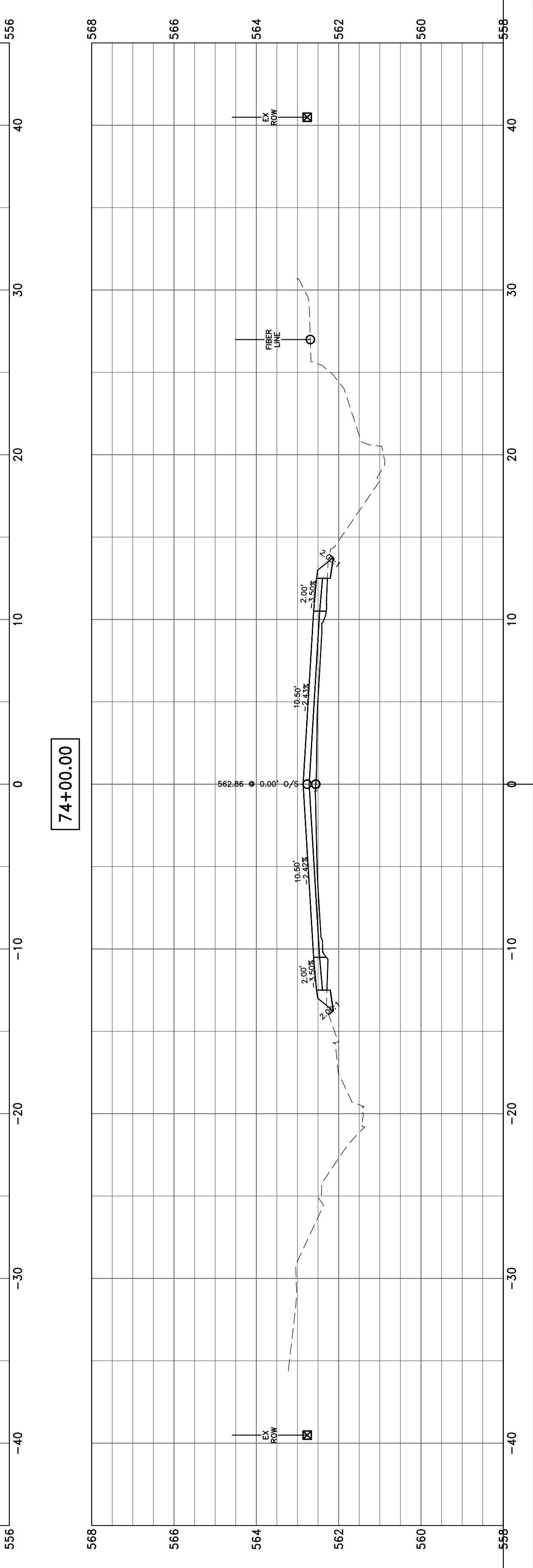
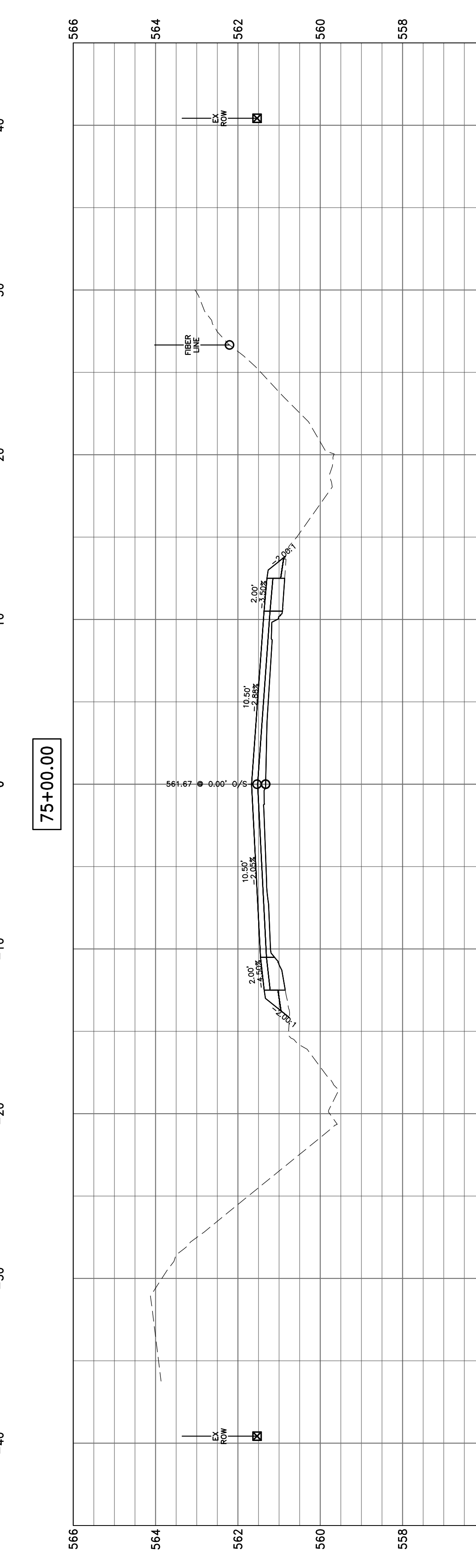
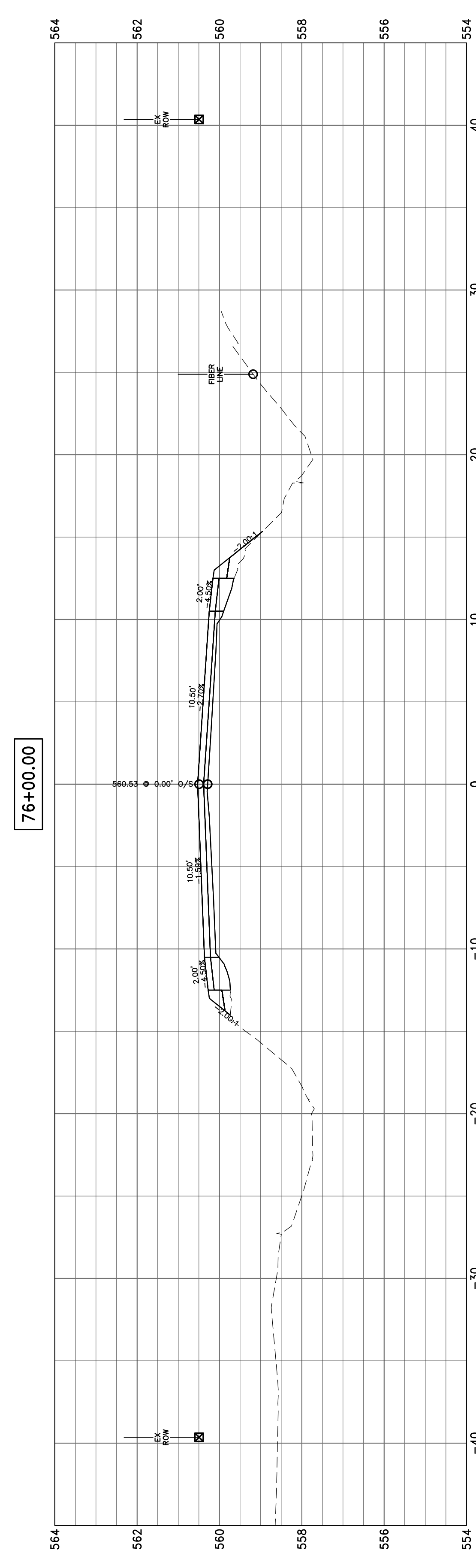
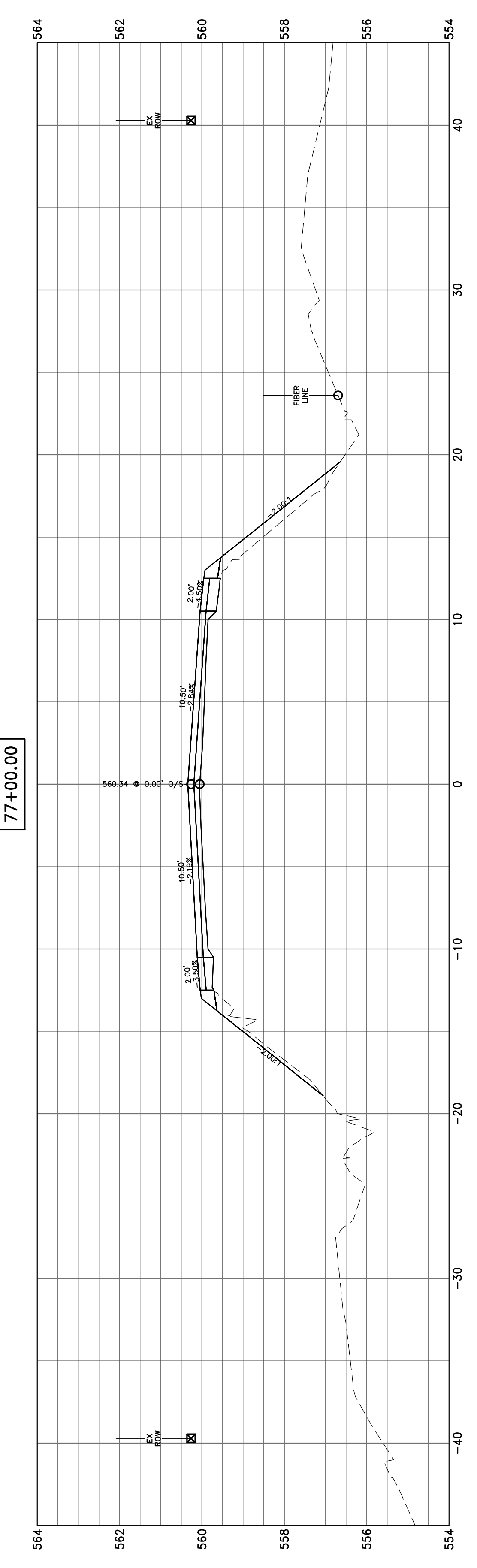
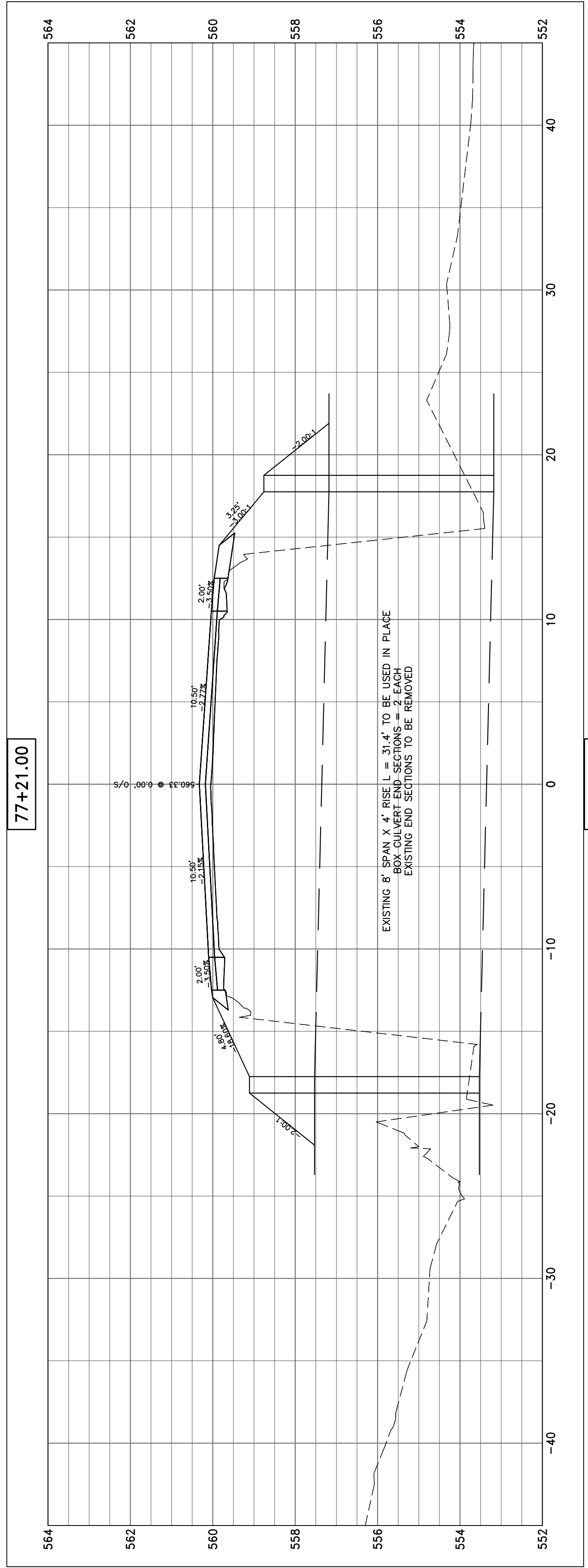
62+00.00



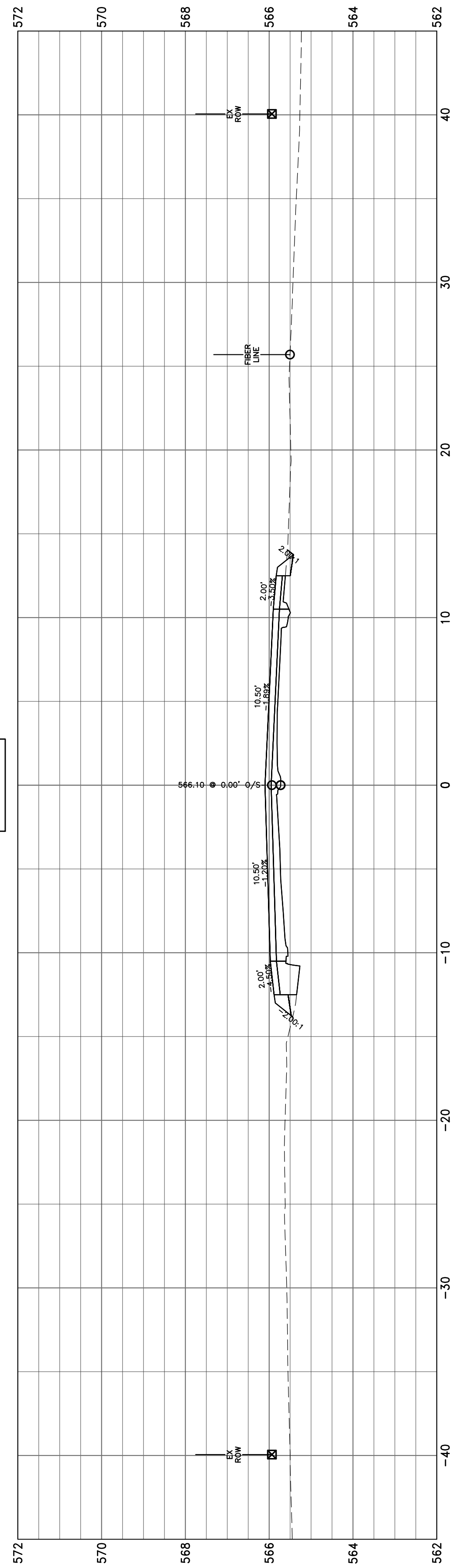
61+00.00



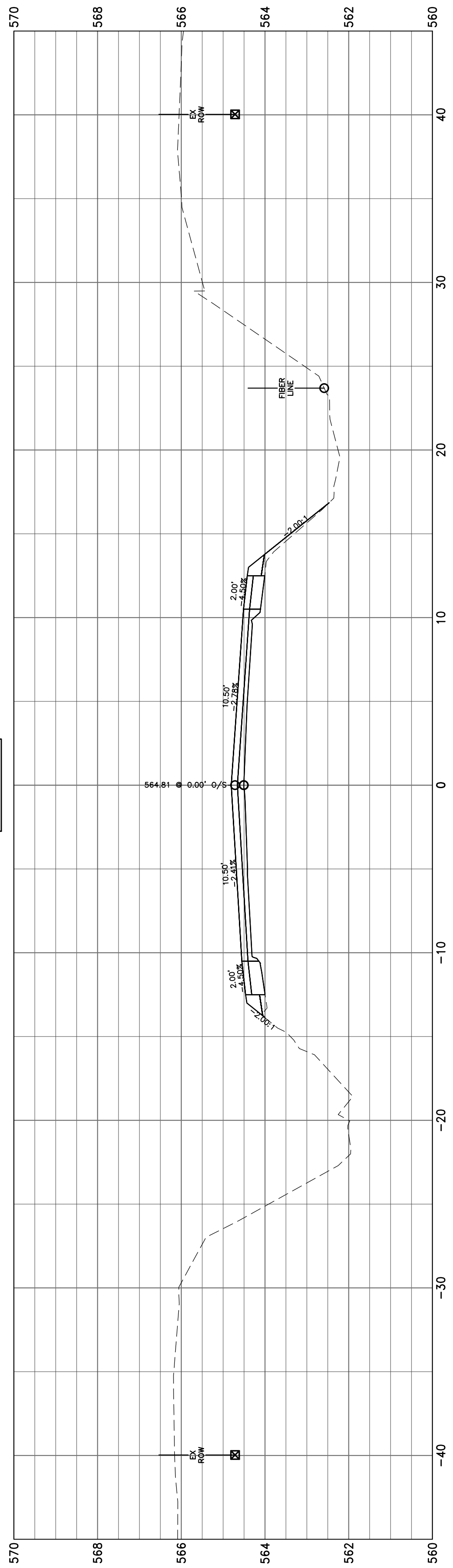




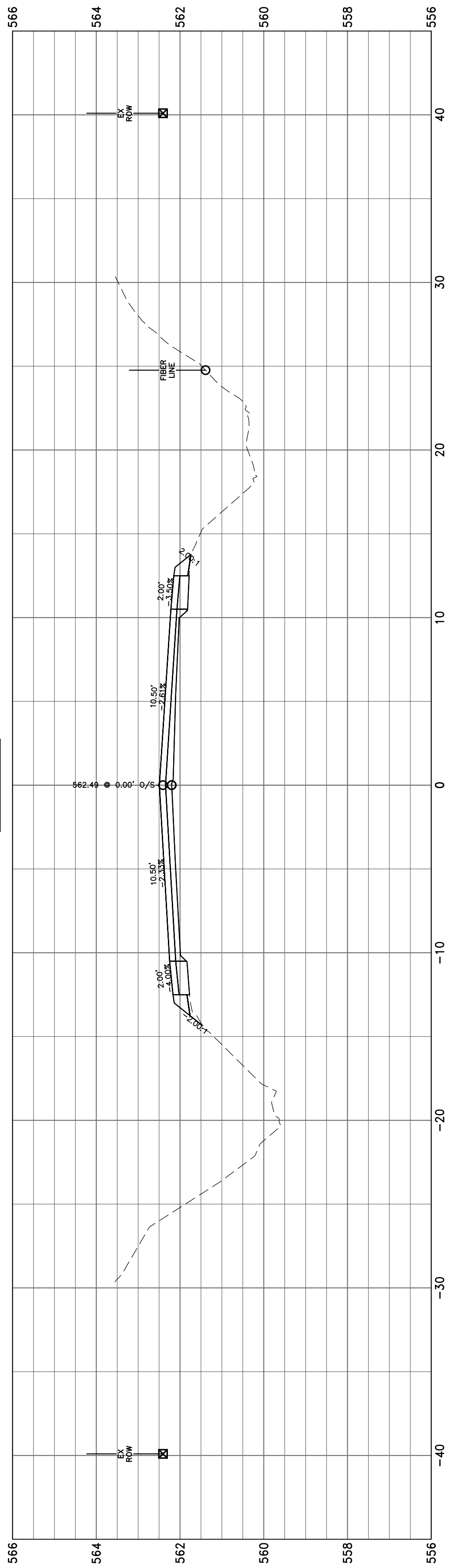
81+45.06



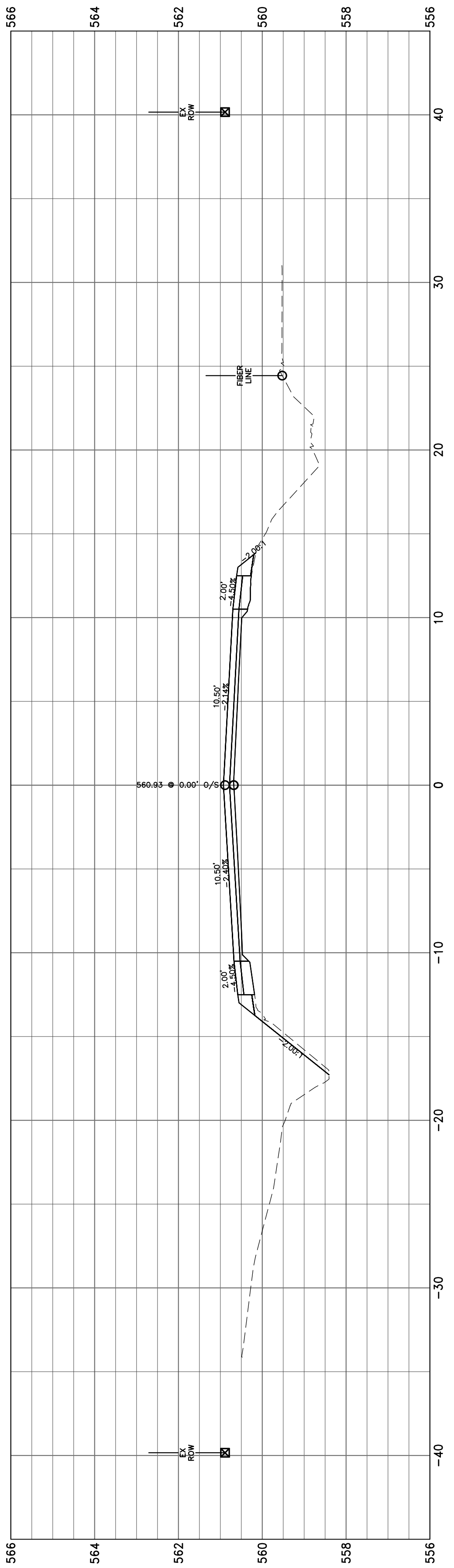
81+00.00



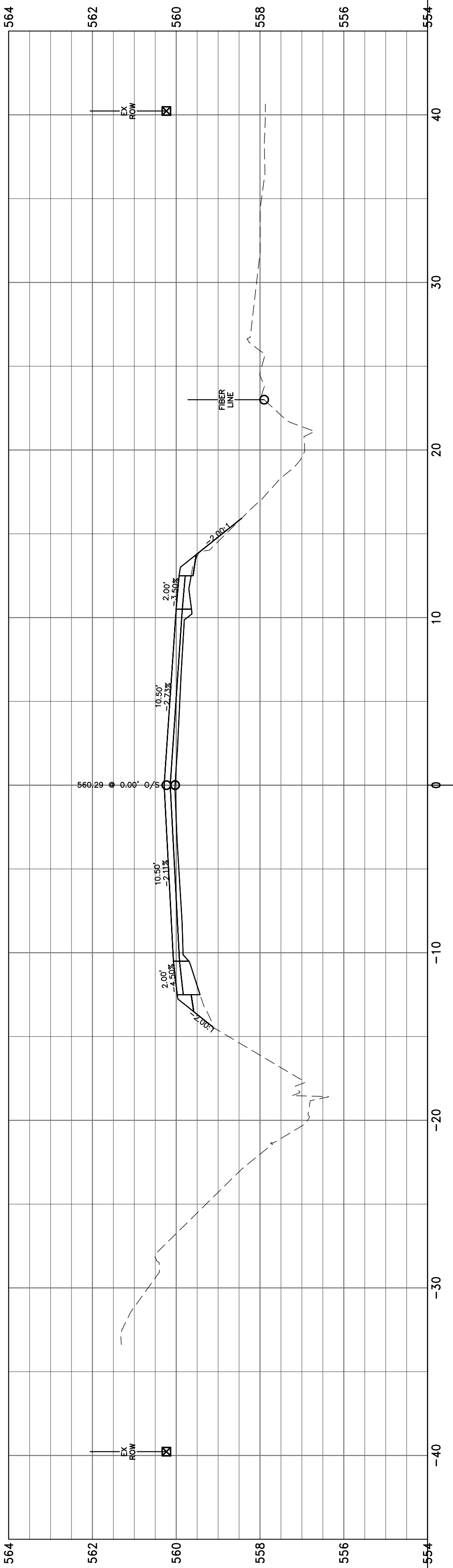
80+00.00

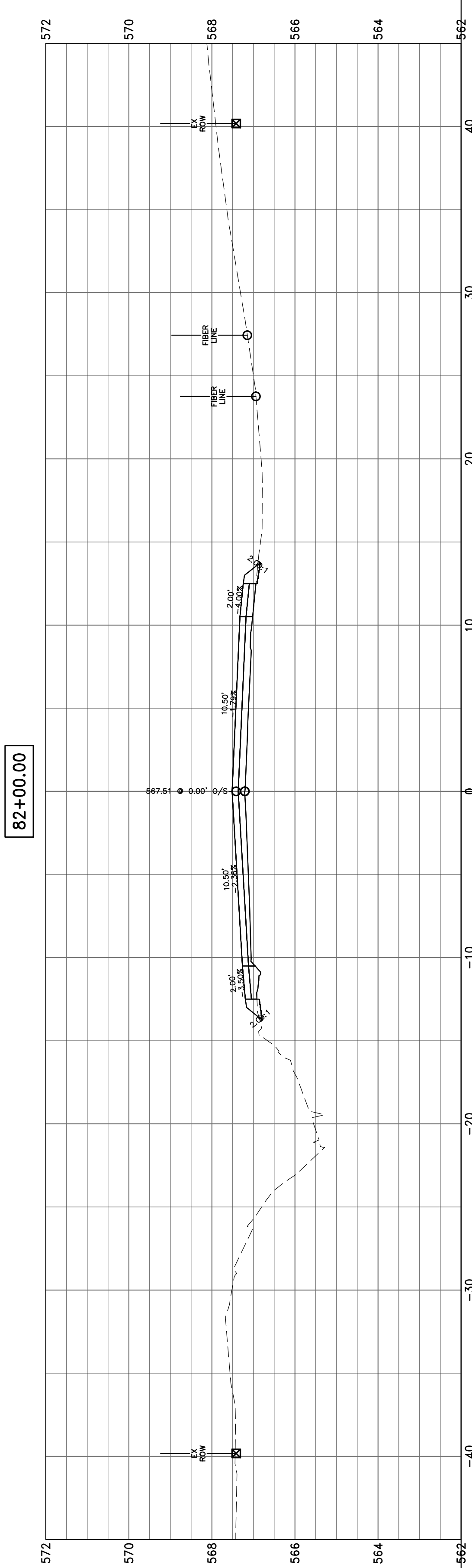
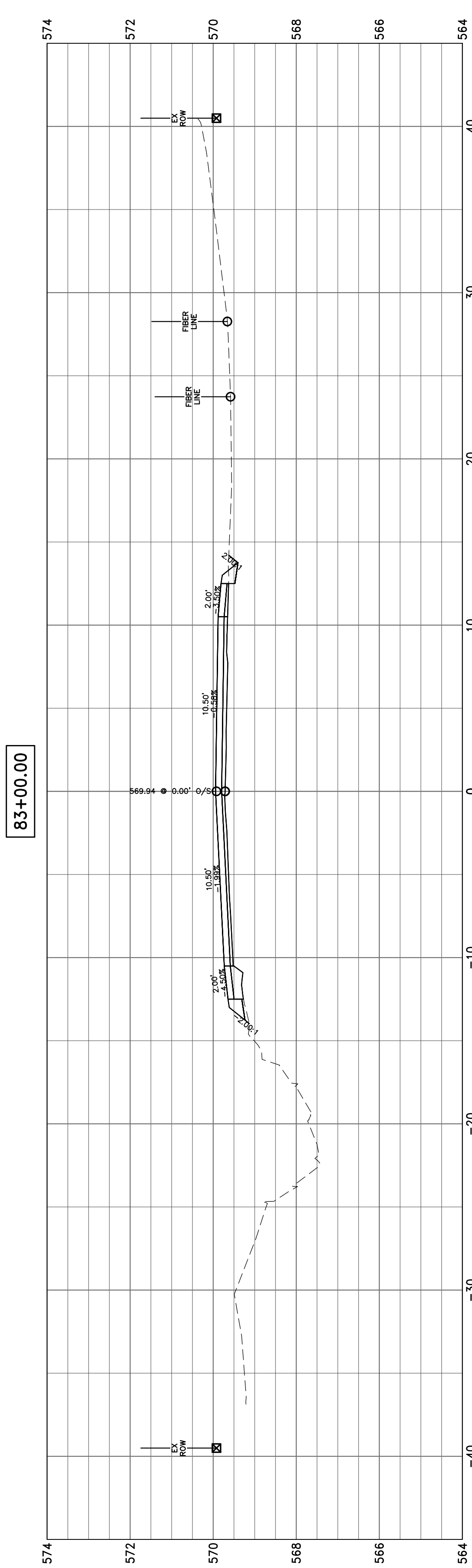
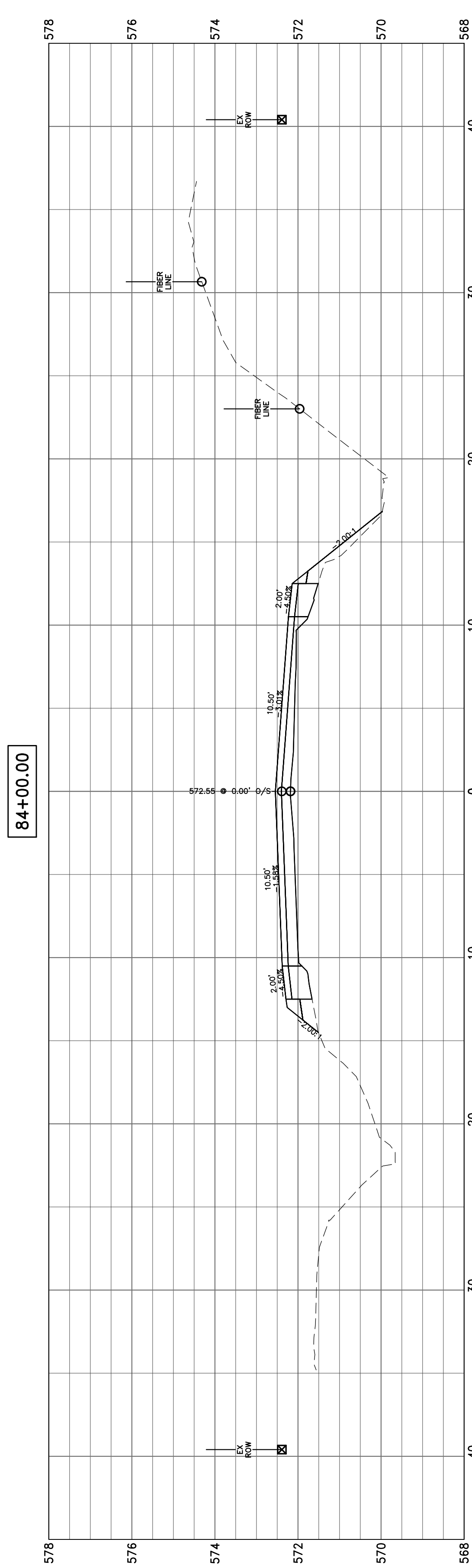
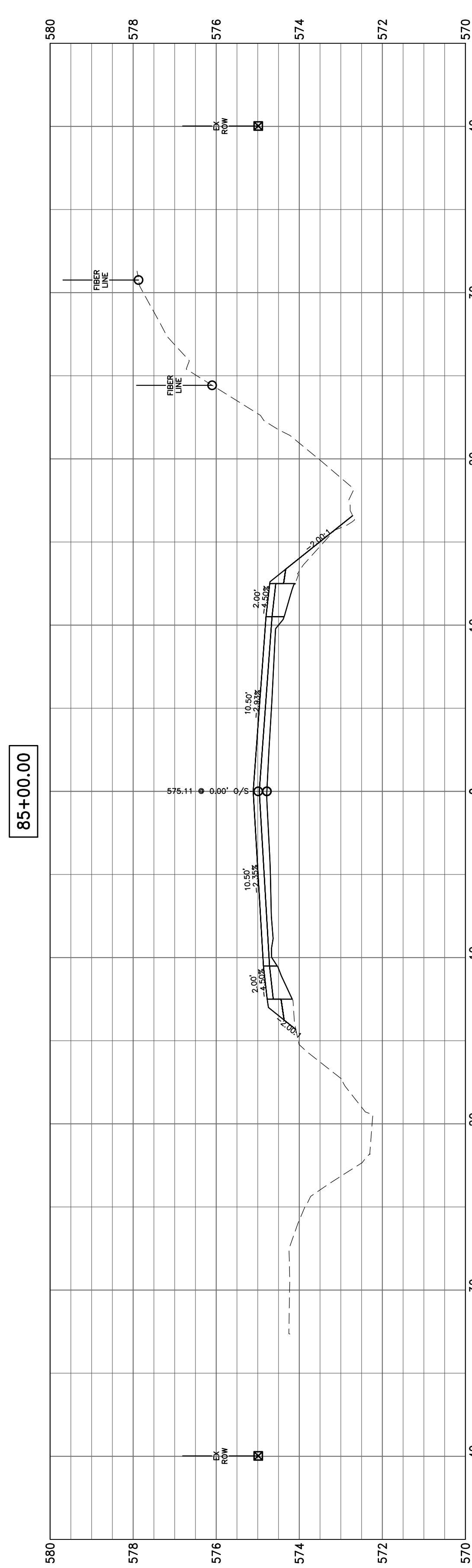
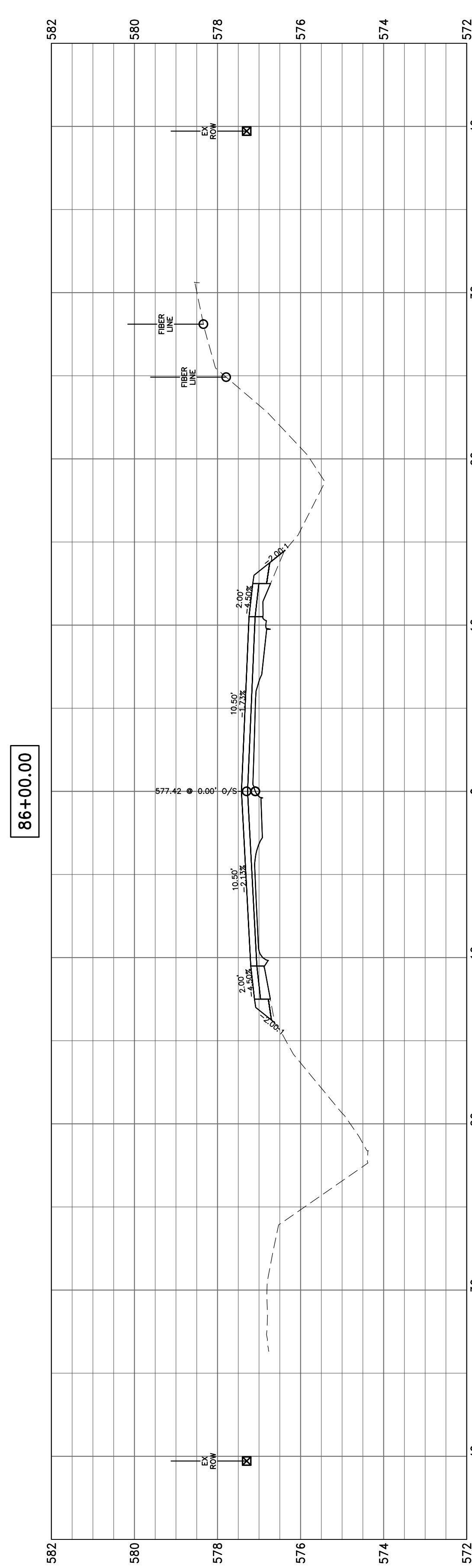


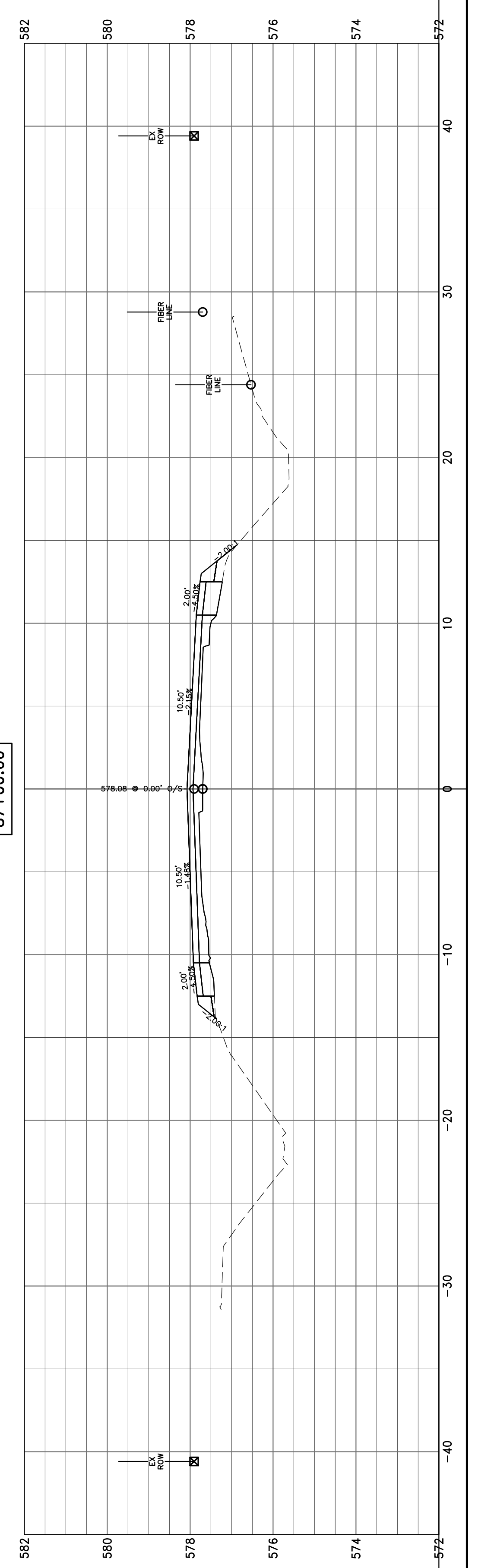
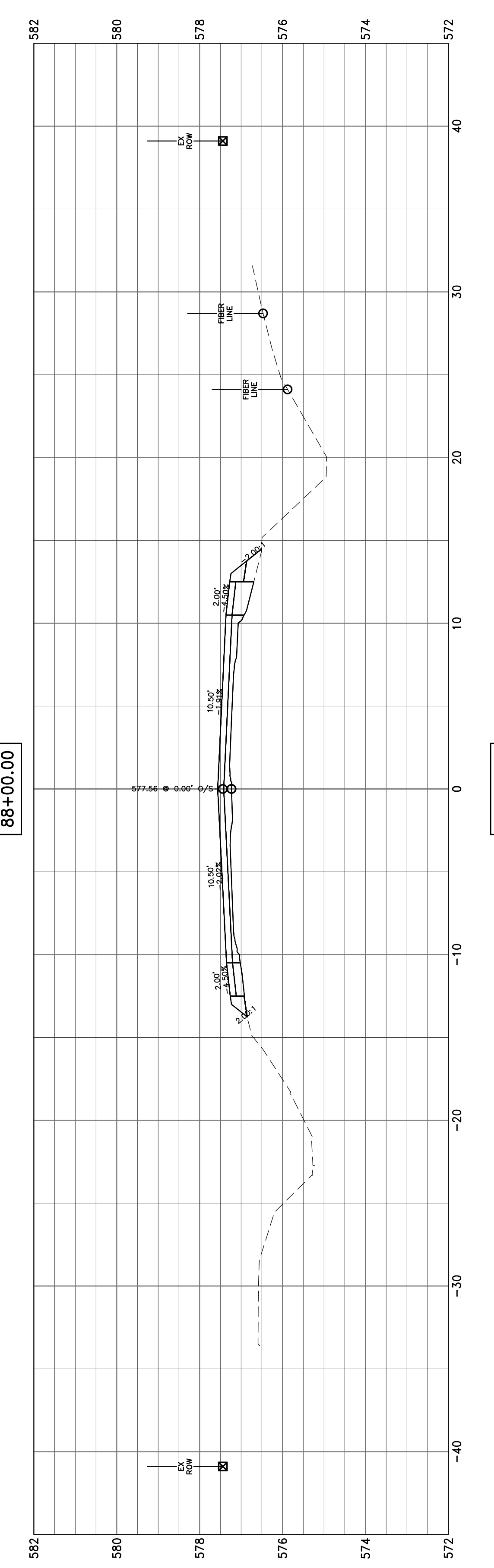
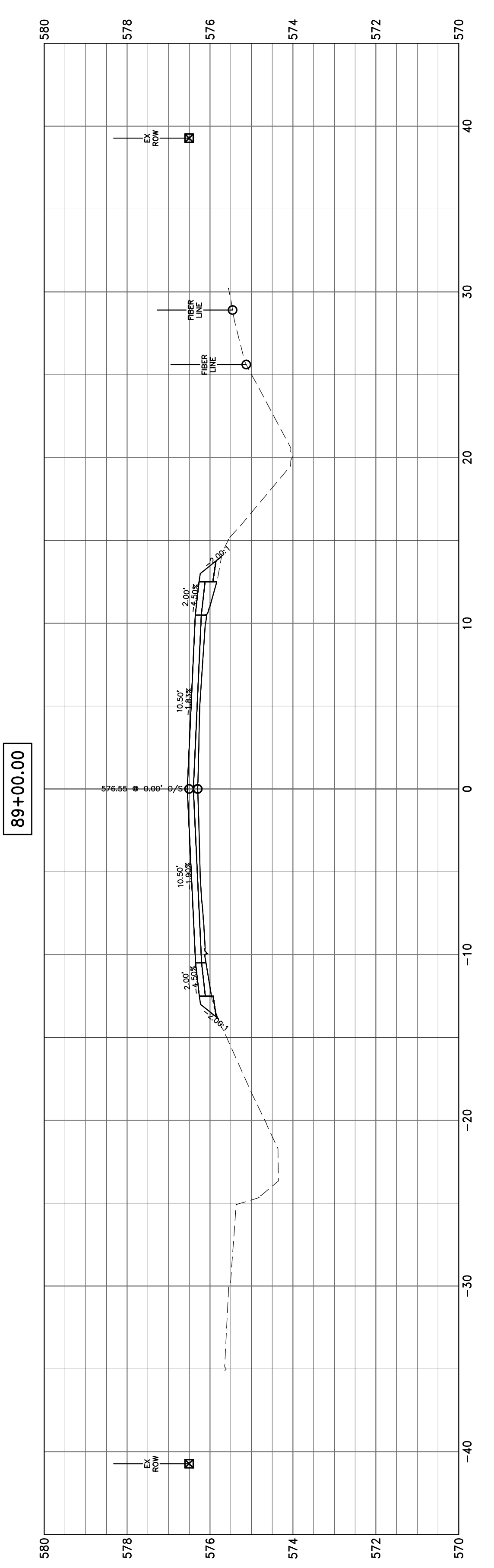
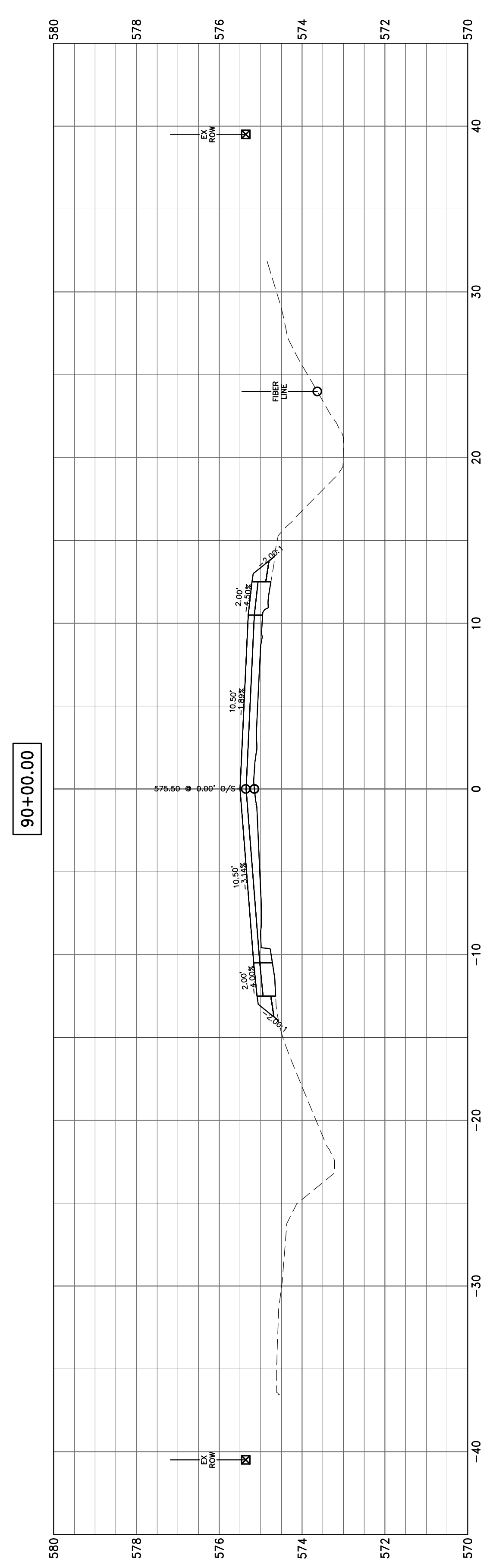
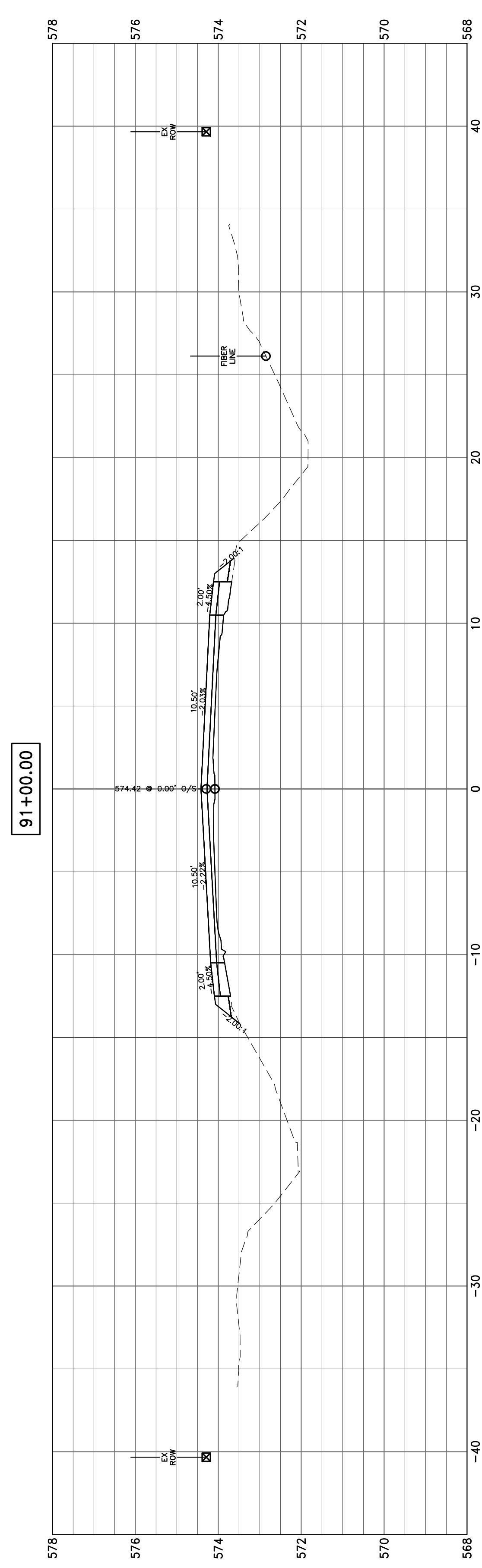
79+00.00



78+00.00







HAMPTON, LENZINI AND RENWICK, INC.
 323 WEST THIRD STREET, P.O. BOX 160
 MT. CARMEL, ILLINOIS 62863
HLR ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

PROJECT NO. - 21.0097.330
 FILE NAME - 210097.dwg
 PLOT SCALE - 2H=5V
 PLOT DATE - 06/04/2021

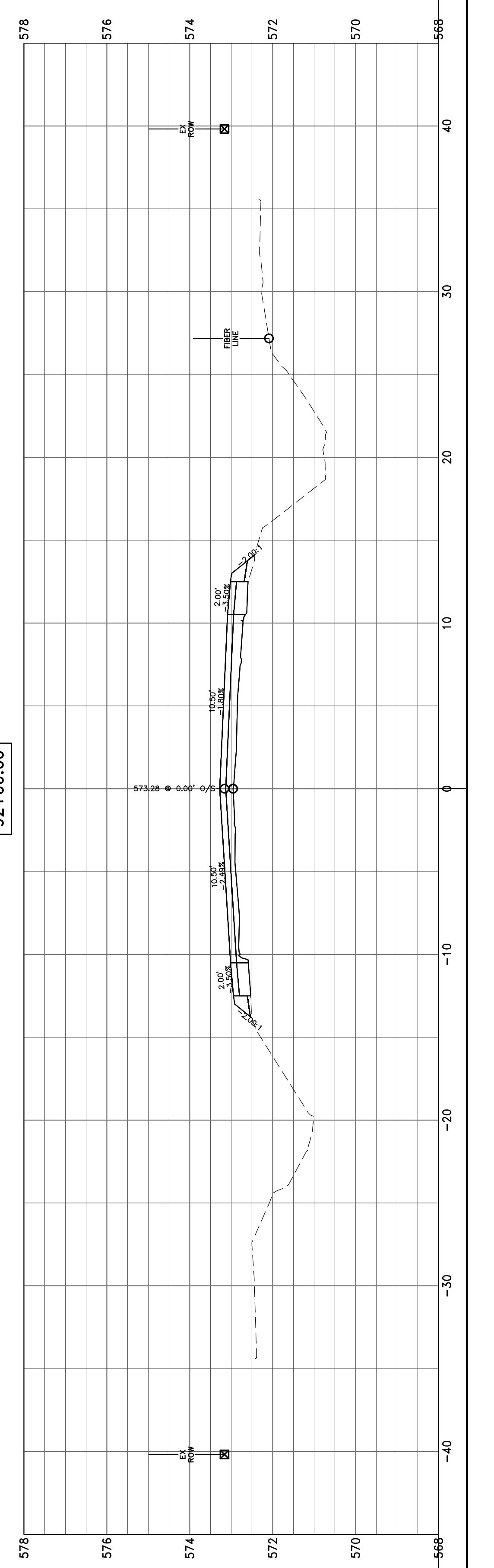
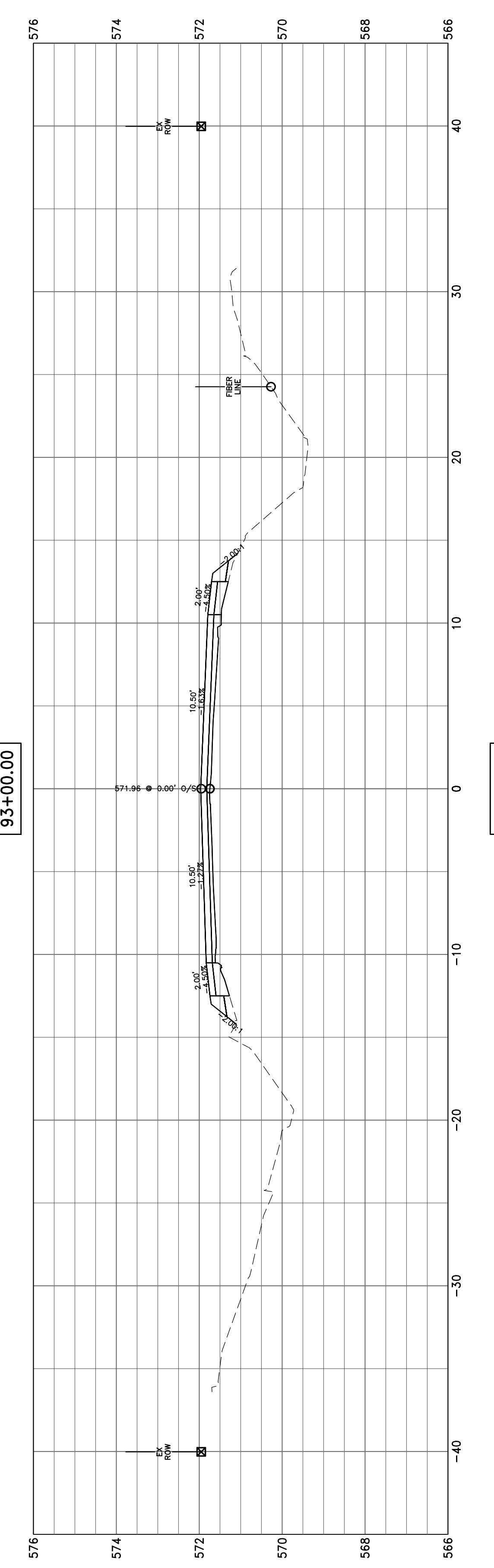
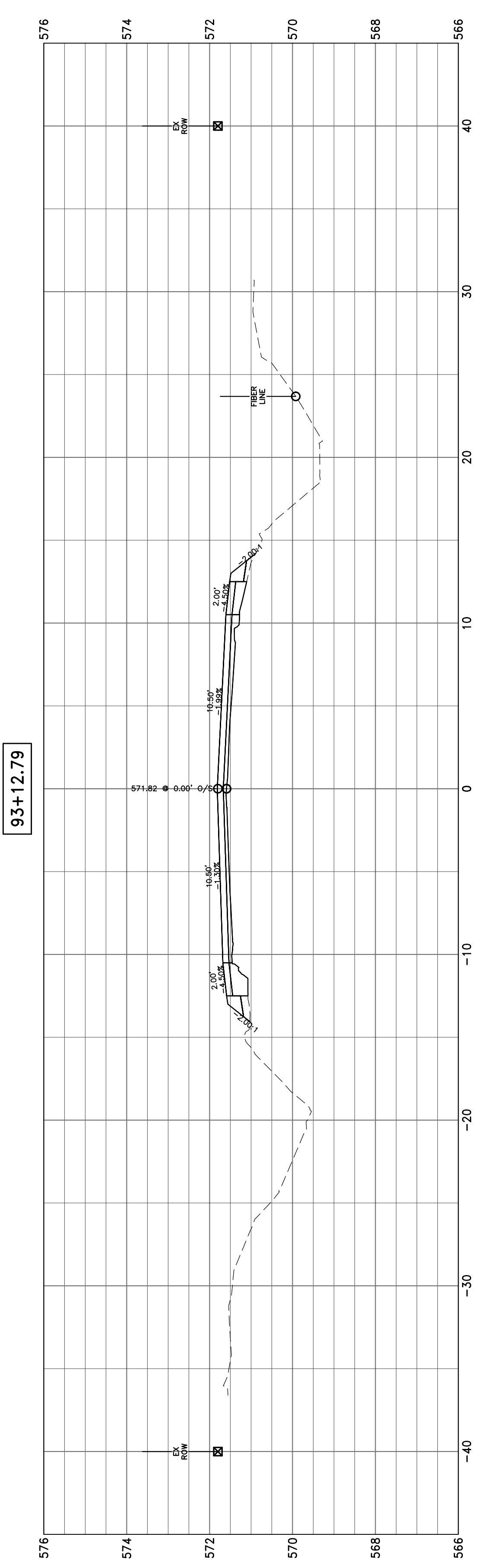
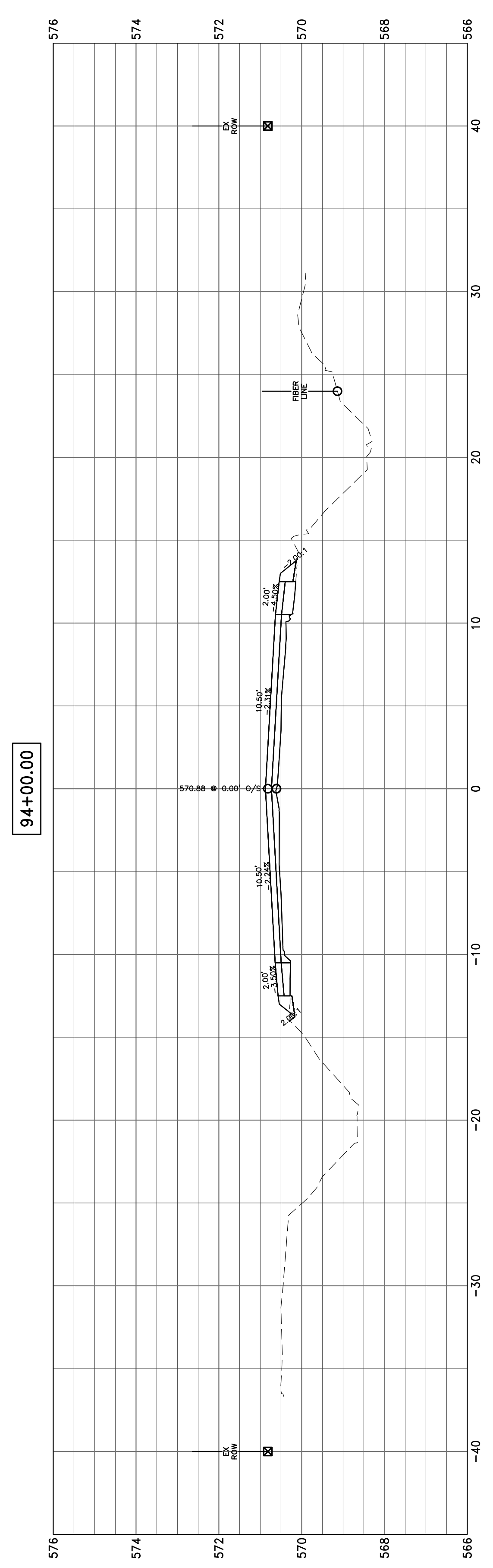
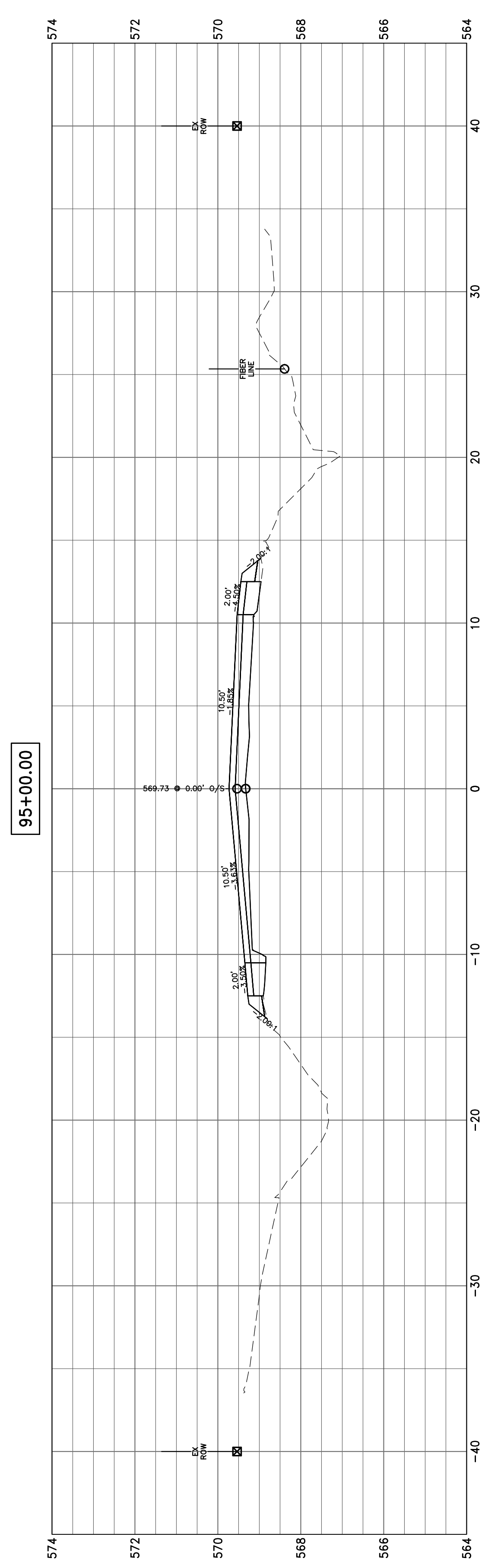
DESIGNED - SEK
 DRAWN - SEK
 CHECKED - SAA
 DATE - 06/04/2021

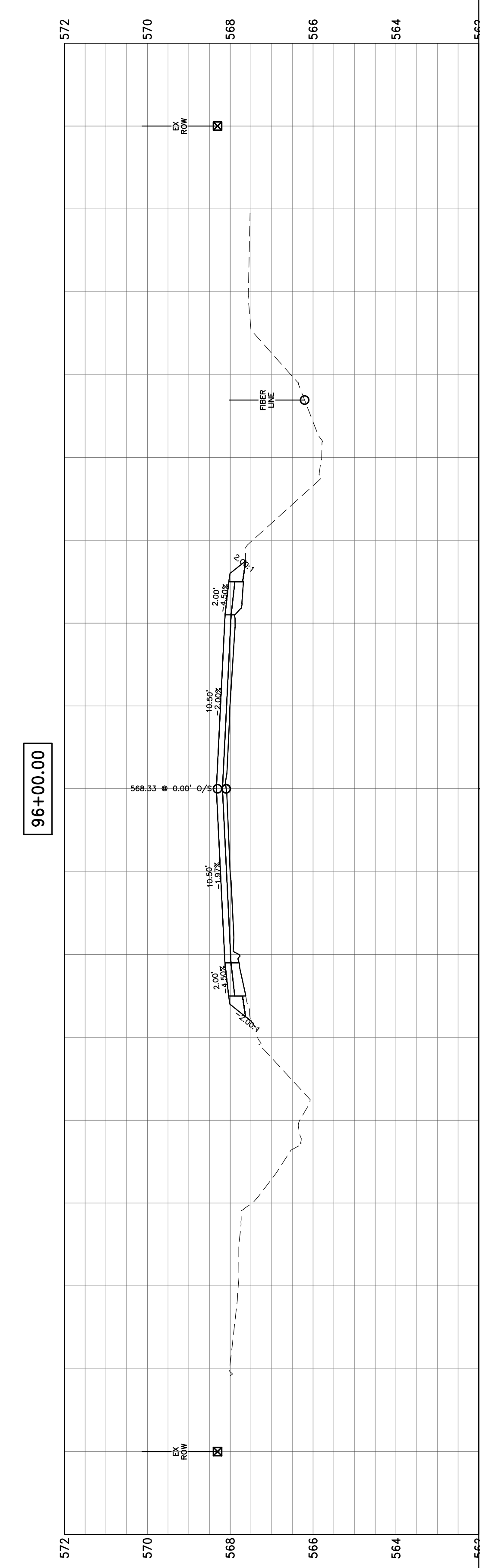
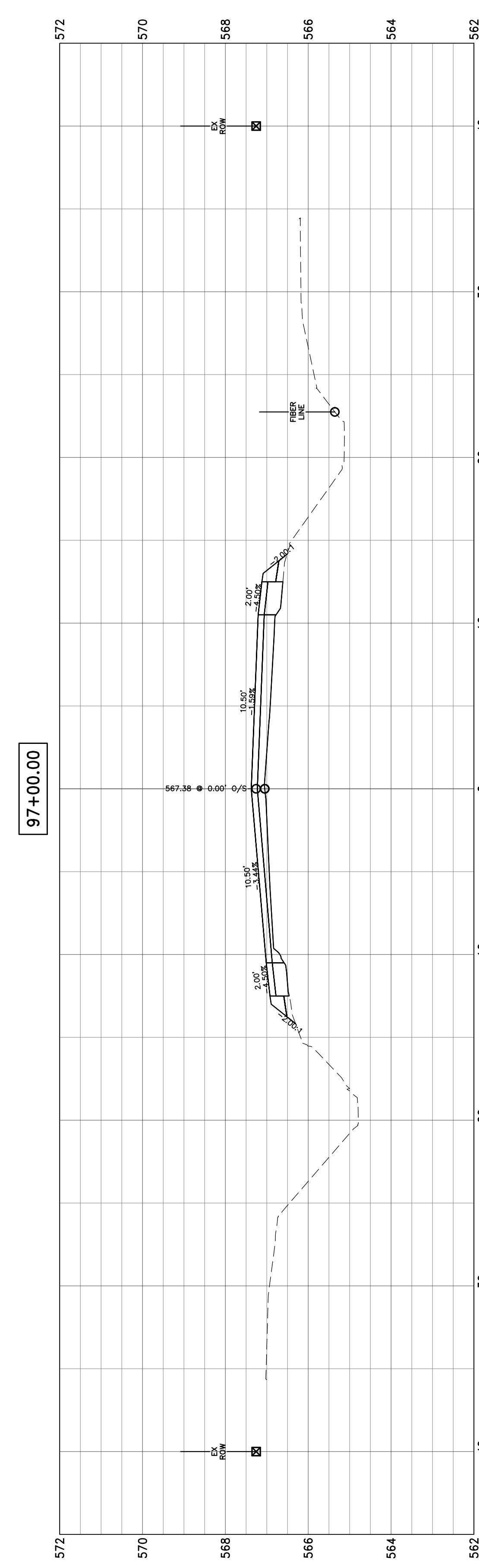
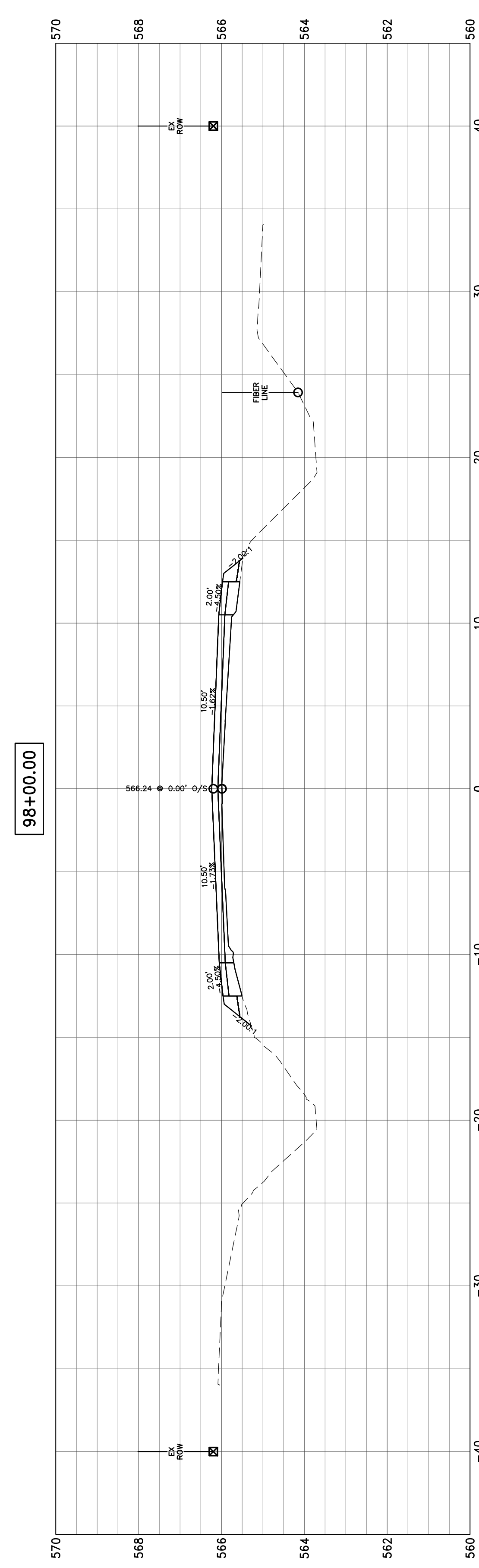
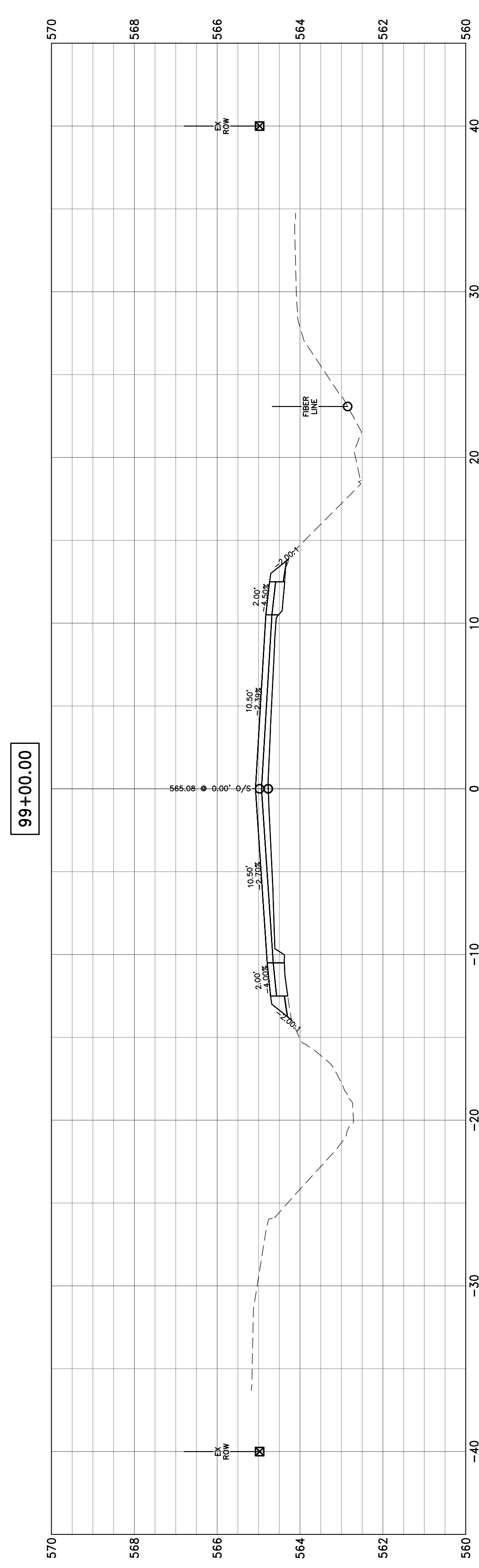
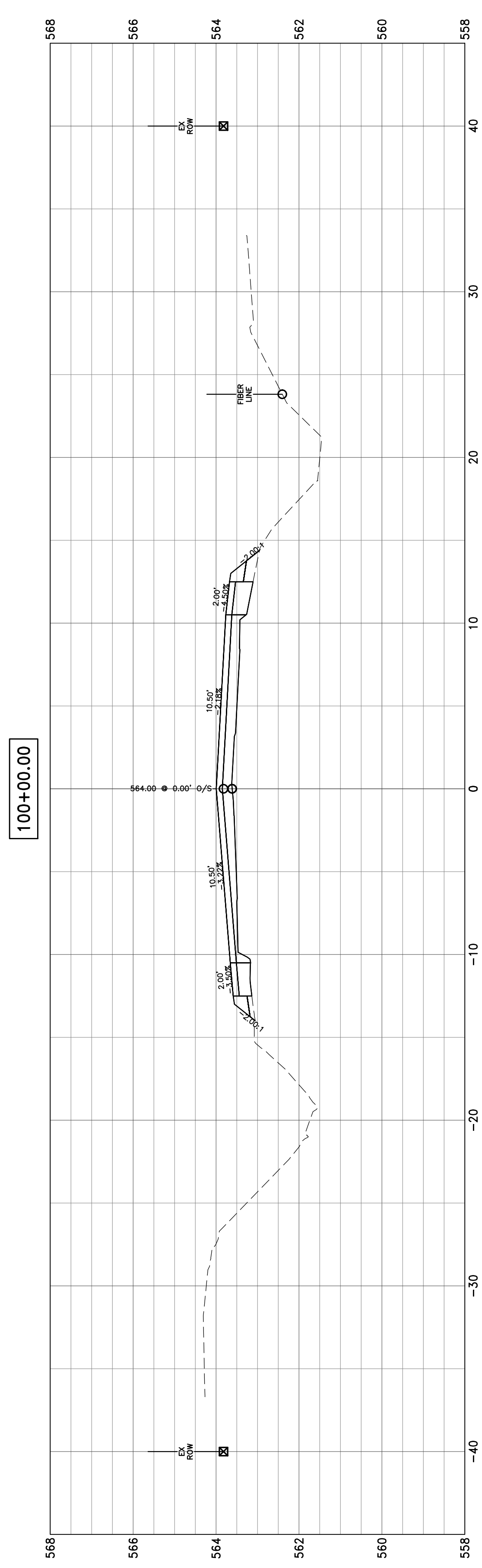
REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX
 REVISED - XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

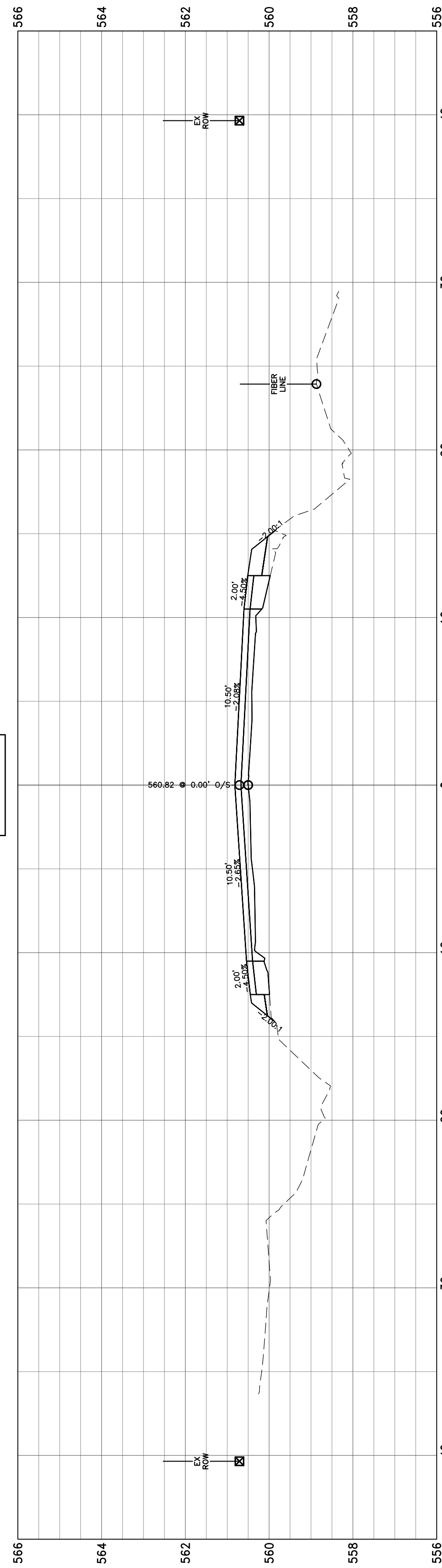
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 19 OF 104 SHEETS STA. 87+00.00 TO STA. 91+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
819	17-00217-00-RS	JEFFERSON	182	97
DIX-IRVINGTON ROAD / CH 39			CONTRACT NO. 99692	
C-99-043-18	ILLINOIS	FEDERAL AID PROJECT: A14M(523)		

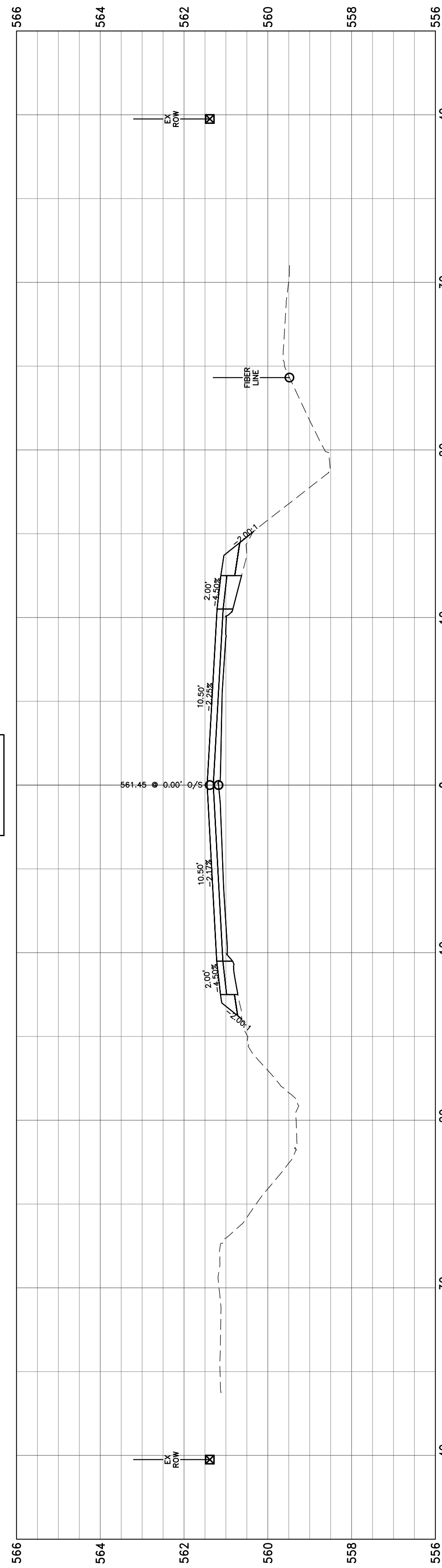




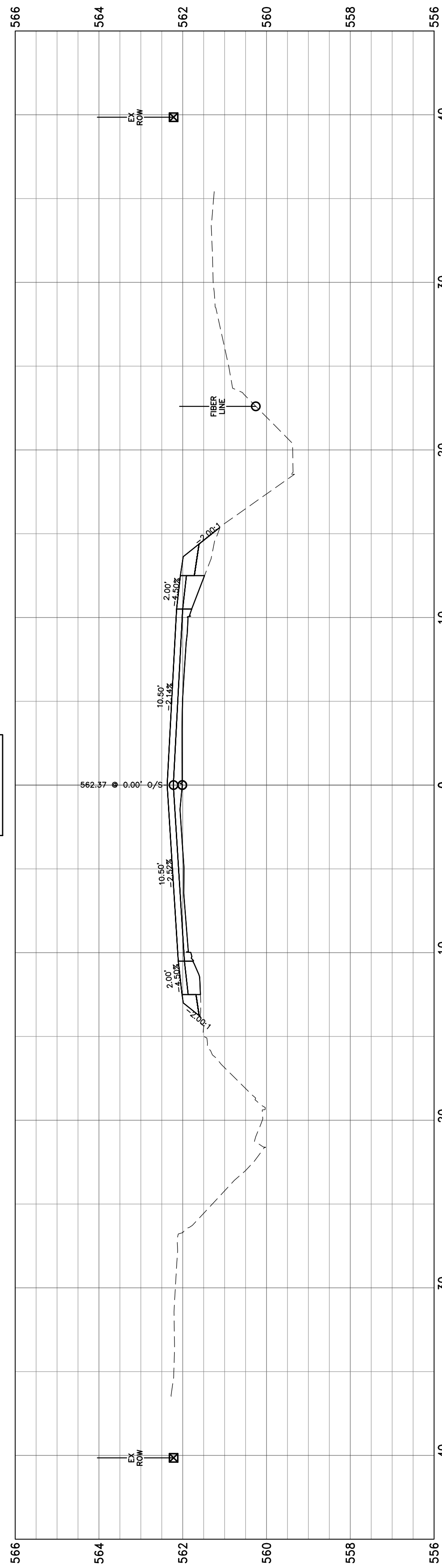
104+00.00



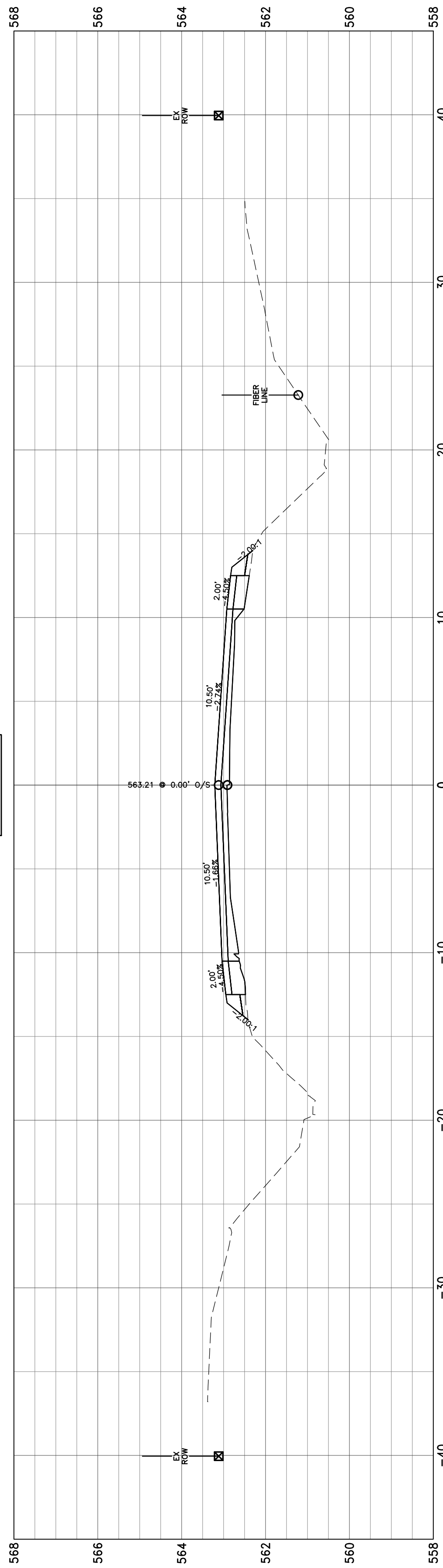
103+00.00



102+00.00



101+00.00



100+56.61

