

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KENDALL/KANE	531	1
ILLINOIS CONTRACT NO. 62M71				
* 531 + 3 = 534 TOTAL SHEETS				
** 534 + 1 = 535 TOTAL SHEETS				
D-91-291-18				

1

06-12-2026 LETTING ITEM 002

FOR PROFESSIONAL SEALS, SEE SHEET NO. 2

FOR INDEX OF SHEETS, SEE SHEET NO. 3

DESIGN DESIGNATIONS:

IL ROUTE 47: OTHER PRINCIPAL ARTERIAL, ADT: 24,000 (2016) 42,000 (2040)
 WATERPARK WAY: LOCAL STREET, ADT: 300 (2016) 5,000 (2040)
 GALENA ROAD: MINOR ARTERIAL, ADT: 6,900 (2016) 11,400 (2040)
 US 30: OTHER PRINCIPAL ARTERIAL, ADT: 7,750 (2016) 22,000 (2040)
 BASELINE ROAD: LOCAL STREET, ADT: 1,650 (2016) 7,000 (2040)
 JERICHO ROAD: MINOR ARTERIAL, ADT: 4,700 (2016) 7,800 (2040)

POSTED/DESIGN SPEEDS

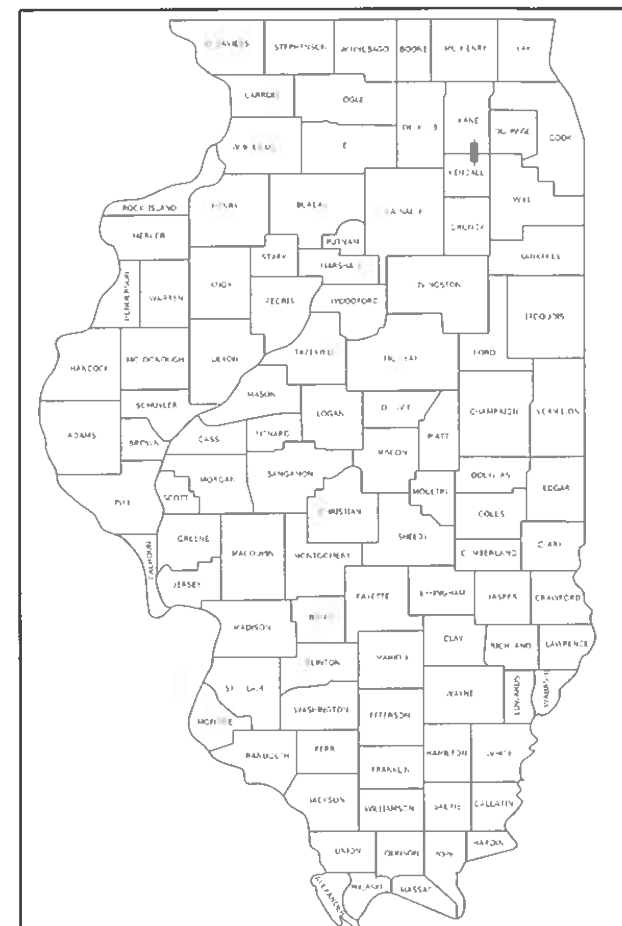
45 MPH /45 MPH
 30 MPH /30 MPH
 50 MPH /50 MPH
 50 MPH /55 MPH
 50 MPH /55 MPH
 50 MPH /50 MPH

PROJECT LOCATED IN THE CITY OF YORKVILLE
 UNINCORPORATED KENDALL AND KANE COUNTIES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 326 (ILLINOIS ROUTE 47)
 FROM JERICHO ROAD TO GALENA ROAD
 SECTION: 2020-198-W&T
 PROJECT: NHPP 4ST8(270)
 ADDITIONAL LANES, RECONSTRUCTION
 & CULVERT REPLACEMENT
 KENDALL & KANE COUNTY
 C-91-396-20



LOCATION OF SECTION INDICATED THUS: —



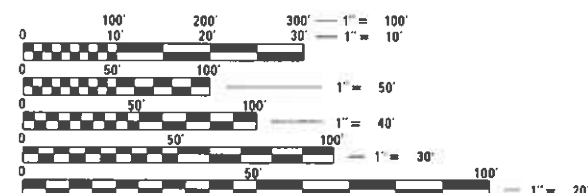
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 12, 2026
David R. Shah REGIONAL ENGINEER
 May 8, 2026
Scott A. Cech ENGINEER OF DESIGN AND ENVIRONMENT
 May 8, 2026
Y. R. R. R. DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

1 REVISED SHEET 6/01/2026

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

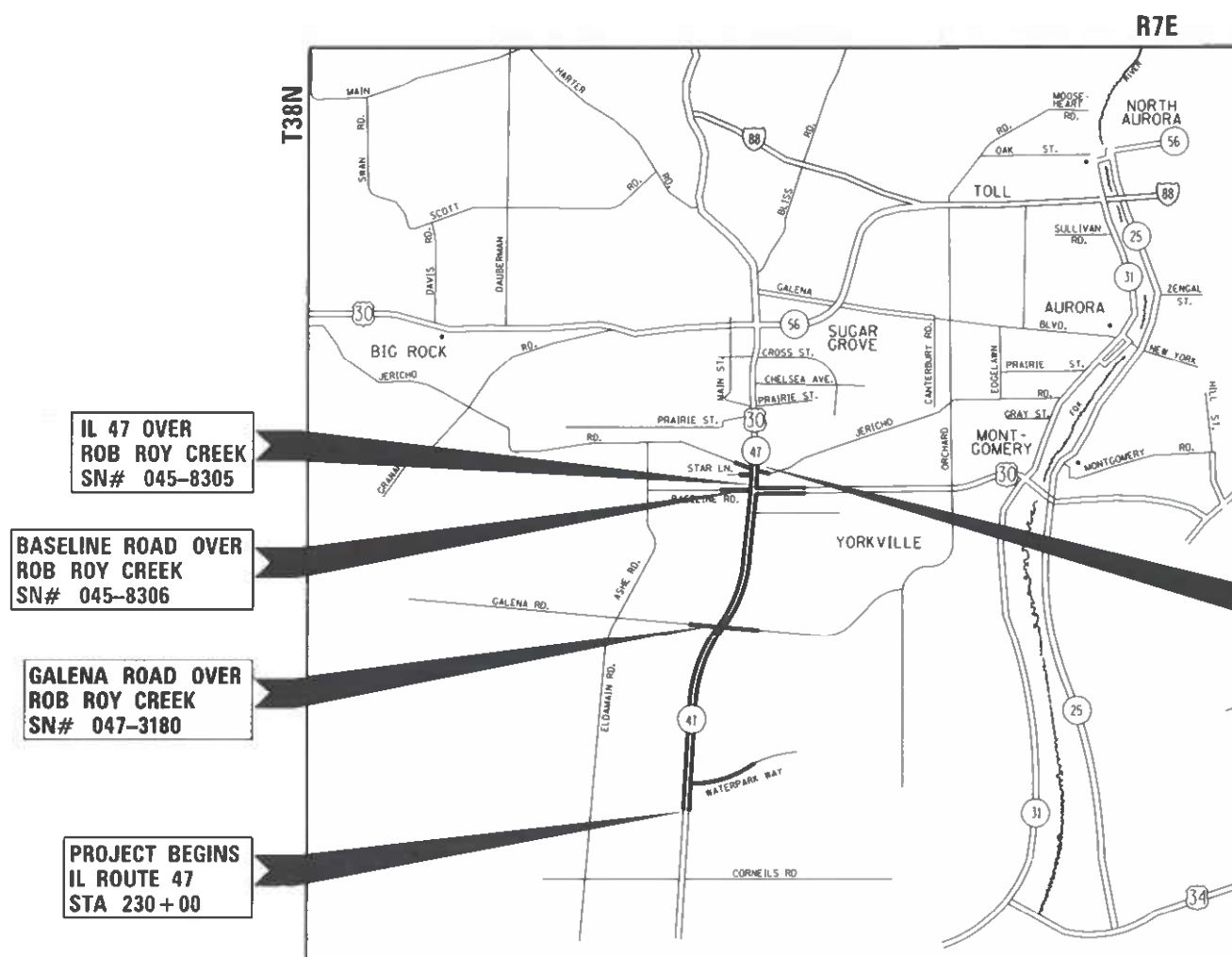


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
 ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
 CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
 ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811

PROJECT ENGINEER – VANESSA FRANCENE CECICH (847) 705-4594
 PROJECT MANAGER – DARPIT SHAH, PE (847) 705-4755

CONTRACT NO. 62M71



IL 47 OVER
 ROB ROY CREEK
 SN# 045-8305

BASELINE ROAD OVER
 ROB ROY CREEK
 SN# 045-8306

GALENA ROAD OVER
 ROB ROY CREEK
 SN# 047-3180

PROJECT BEGINS
 IL ROUTE 47
 STA 230+00

PROJECT END
 IL ROUTE 47
 STA 356+00

LOCATION MAP
 (NOT TO SCALE)
 PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT: 18,930 FT. = 3.59 MILES

REV-SEP

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1-2	COVER SHEET
3	INDEX OF SHEETS & STATE STANDARDS
4	GENERAL NOTES AND COMMITMENTS
5 - 32	SUMMARY OF QUANTITIES
33 - 43	TYPICAL SECTIONS
44 - 48	ALTERNATE B TYPICAL SECTIONS
49 - 57	SCHEDULE OF QUANTITIES
58 - 70	ALIGNMENT, TIES, AND BENCHMARKS
71 - 81	REMOVAL PLAN
82 - 83	GROUND IMPROVEMENT PLANS
84 - 102	ROADWAY PLAN AND PROFILE
103 - 109	ADA SIDEWALK RAMP DETAILS
110 - 111	DETOUR PLANS
112 - 163	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS
164 - 191	EROSION AND SEDIMENTATION CONTROL PLANS
192 - 212	DRAINAGE AND UTILITY PLAN AND PROFILE
213 - 223	DRAINAGE AND UTILITY DETAILS AND SCHEDULES
224 - 228	CROSS CULVERT DETAILS
229	DITCH BERM DETAIL
230 - 233	WATERMAIN PLANS
234 - 251	UTILITY LOCATION PLANS (SUE)
252 - 274	PLAT OF HIGHWAYS
275 - 286	PAVEMENT MARKING AND SIGNING PLANS
287 - 297	LANDSCAPING PLANS
297A	GRADING PLANS
298 - 316	LIGHTING PLANS AND DETAILS
317 - 355	TRAFFIC SIGNAL DETAILS AND PLANS
356 - 362	PAVEMENT JOINTING PLANS
363 - 366	ISLAND DETAILS
367 - 376	GALENA ROAD BOX CULVERT
377 - 386	BASELINE ROAD BOX CULVERT
387 - 403	IL 47 BOX CULVERT
404 - 406	RETAINING WALL
407 - 425	DISTRICT 1 STANDARD DETAILS
426 - 441	DISTRICT 3 STANDARD DETAILS
442 - 503	CROSS SECTIONS - IL RTE 47
504	CROSS SECTIONS - WATERPARK WAY
505 - 510	CROSS SECTIONS - GALENA ROAD
511	CROSS SECTIONS - BERTRAM DRIVE
512	CROSS SECTIONS - BRISTOL BAY
513 - 523	CROSS SECTIONS - US 30 / BASELINE ROAD
524 - 525	CROSS SECTIONS - STAR LANE
526 - 531	CROSS SECTIONS - JERICHO ROAD

HIGHWAY STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
420101-07	24' (7.2 m) JOINTED PCC PAVEMENT
420106-07	36' (10.8 m) JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-03	MEDIAN PEDESTRIAN CROSSINGS
442201-04	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
483001-06	PCC SHOULDER
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET-TYPE A
602306-03	INLET-TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' (1.8m) DIAMETER
602416-09	PRECAST MANHOLE TYPE A 8' (2.4m) DIAMETER
602501-06	VALVE VAULT TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
604091-05	FRAME AND GRATE TYPE 24
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6,24 (8-15,60)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
606401-02	PAVED DITCH
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
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
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS >= 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS >= 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BOUNDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIPE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

IDOT STANDARD DETAILS

STANDARD NO.	LIST OF DESCRIPTION
DISTRICT 1	
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5M)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER < 15' (4.5M)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
BD-48	PCC PAVEMENT ROUNDOUTS AT CURB & GUTTER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BD-52	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-01	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-02	DISTRICT 1 - MAST ARM MOUNTED STREET NAME SIGNS
TS-05	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
BE-215	LIGHTING CONTROLLER SINGLE DOOR
BE-220	ELECTRIC SERVICE INSTALLATION
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE-301	LIGHT POLE FOUNDATION, CONCRETE
BE-400	LIGHT POLE, ALUMINUM, TRUSS TYPE, 47.5 FT. M.H.
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISCELLANEOUS DETAILS, SHEET A
BE-800	TEMPORARY LIGHT POLE
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
DISTRICT 3	
400-1	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5M)
400-2	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER < 15' (4.5M)
561-4	WATERMAIN INSTALLATION REQUIREMENTS
563-3	WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION
720-8	TEMPORARY INFORMATION SIGN - ROAD WORK
720-9	TEMPORARY INFORMATION SIGN - ROAD DETOUR
720-10	TEMPORARY INFORMATION SIGN - ROAD CLOSED
780-1 thru 780-13	PAVEMENT MARKING DETAILS
888-1	ACCESSIBLE PEDESTRIAN SIGNALS
CULVERT DETAILS	
SCB-TES	SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS
MCB-TES	MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS
TPGBC-ZS	TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

FILE NAME: C:\062M71\stt-6m01.dgn
DESIGNED: HRGreen, Inc.
DRAWN: HRGreen, Inc.
PEN TABLE: HRC-LLD01-perm100.tbl

 HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = bhartma	DESIGNED -	REVISED -  05/13/2026
		DRAWN - DMS	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = 5/13/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, DISTRICT DETAILS AND STATE STANDARDS
ILLINOIS ROUTE 47

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KANE/KENDALL		
CONTRACT NO. 62M71				
		ILLINOIS	FED. AID PROJECT	

 REVISED SHEET 6/01/2026

FILE NAME: C:\062021\1-shr-sum01.dgn
PLOT DATES: 3/20/2021 1:00:00 PM
PEN TABLE: HRC-LLDOT-perm000.tbl

					KANE								KENDALL															
					ROADWAY RURAL	ROADWAY RURAL	ROADWAY RURAL (BRISTOL BAY)	ROADWAY ALT A	ROADWAY ALT A	ROADWAY ALT B	ROADWAY ALT B	TRAFFIC SIGNALS		LIGHTING	BOX CULVERT		RETAINING WALL	SHARED USE PATH	TRAFFIC SIGNALS					LIGHTING		BOX CULVERT	WATER MAIN	SHARED USE PATH
												JERICHO RD	INTER CONNECT	US 30 / BASELINE RD	IL 47 045-8305	BASELINE RD 045-8306	BASELINE RD 045-9200		US 30 / BASELINE RD	WATERPARK WAY	GALENA RD	INTER CONNECT	EMERGENCY VEHICLE PREEMPTION	WATERPARK WAY	GALENA BLVD	GALENA RD 047-3108		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY ALT A	TOTAL QUANTITY ALT B	0003	0003	0003	0003	0003	0003	0003	0021	0021	0021	0010	0010	0044	0028	0021	0021	0021	0021	0021	0021	0021	0010	0043	0028
					80% FED 20% STATE	80% FED 20% STATE	100% YORKVILLE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 10% STATE 10% KANE CO	80% FED 20% STATE	100% YORKVILLE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 15% STATE 5% YORKVILLE	80% FED 13% STATE 7% YORKVILLE	80% FED 10% STATE 10% KENDALL CO	80% FED 20% STATE	100% YORKVILLE	100% YORKVILLE	100% KENDALL CO	80% FED 20% STATE	100% YORKVILLE	80% FED 20% STATE
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	1	1	1																							
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	6	6	2	4																						
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS	FOOT	379	379	127	252																						
54262715	METAL FLARED END SECTIONS 15"	EACH	14	14	4	10																						
54262718	METAL FLARED END SECTIONS 18"	EACH	6	6	2	4																						
54262721	METAL FLARED END SECTIONS 21"	EACH	8	8	3	5																						
54262724	METAL FLARED END SECTIONS 24"	EACH	2	2		2																						
54262821	METAL FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 21"	EACH	4	4	2	2																						
																												
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,562	1,562	293	1,264																						
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	39	39	9	30																						
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	446	446	213	233																						
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	314	314	314																							
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	221	221		221																						
550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	165	165		165																						
																												
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	4,850	4,850	2,857	1,993																						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	658	658	556	102																						

* DENOTES SPECIALTY ITEM

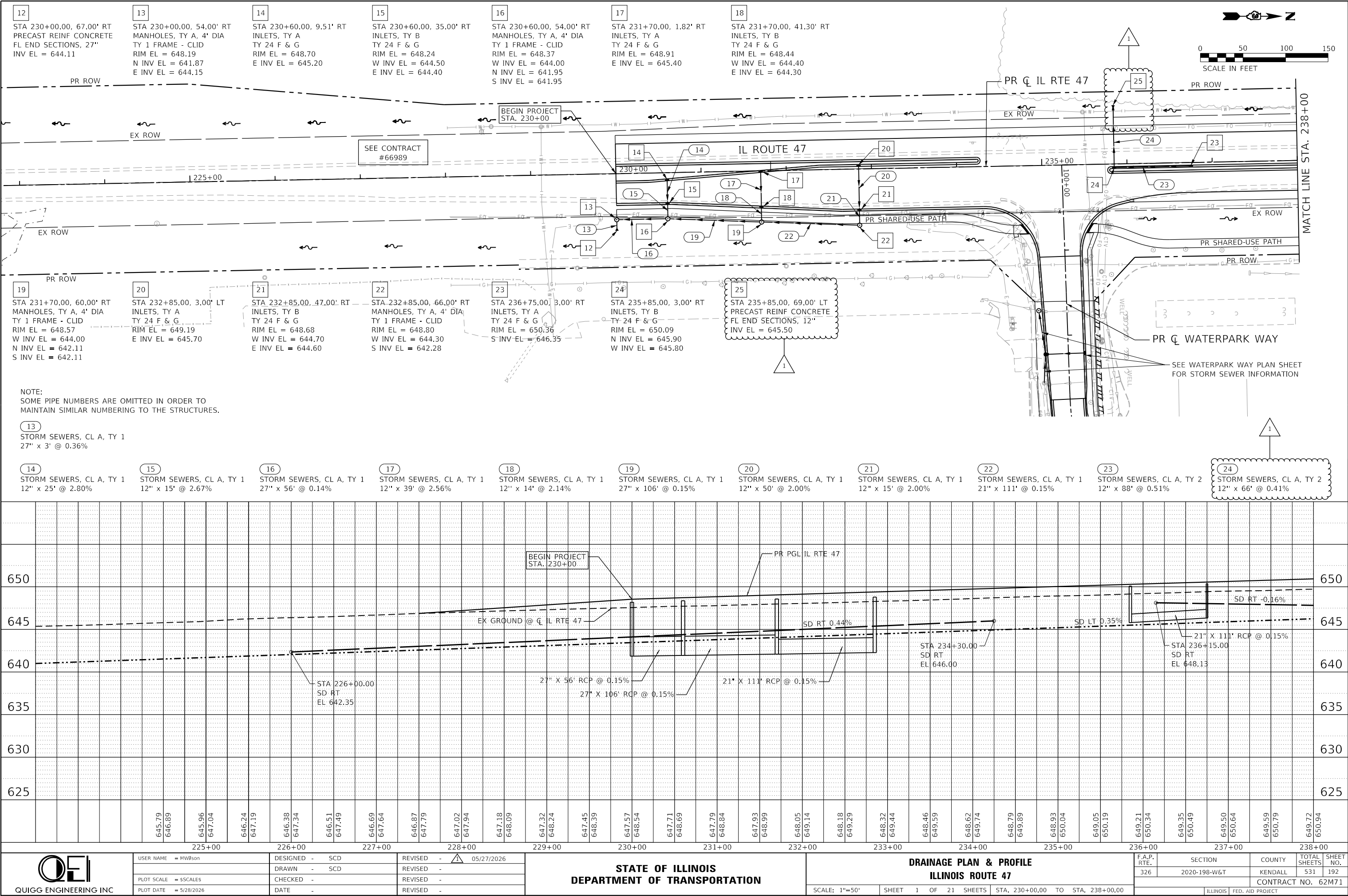
 REVISED SHEET 6/01/2026

 HRGreen.com Illinois Professional Design Firm # 184-001322 HRGreen®	USER NAME = bhartma	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ILLINOIS ROUTE 47				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DMS	REVISED -	326						2020-198-W&T	KANE/KENDALL	531	13	
	PLOT SCALE = 5/5CALES	CHECKED -	CONTRACT NO. 62M71										
	PLOT DATE = 3/20/2026	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
SCALE: NTS		SHEET 9 OF 28 SHEETS		STA.		TO STA.							

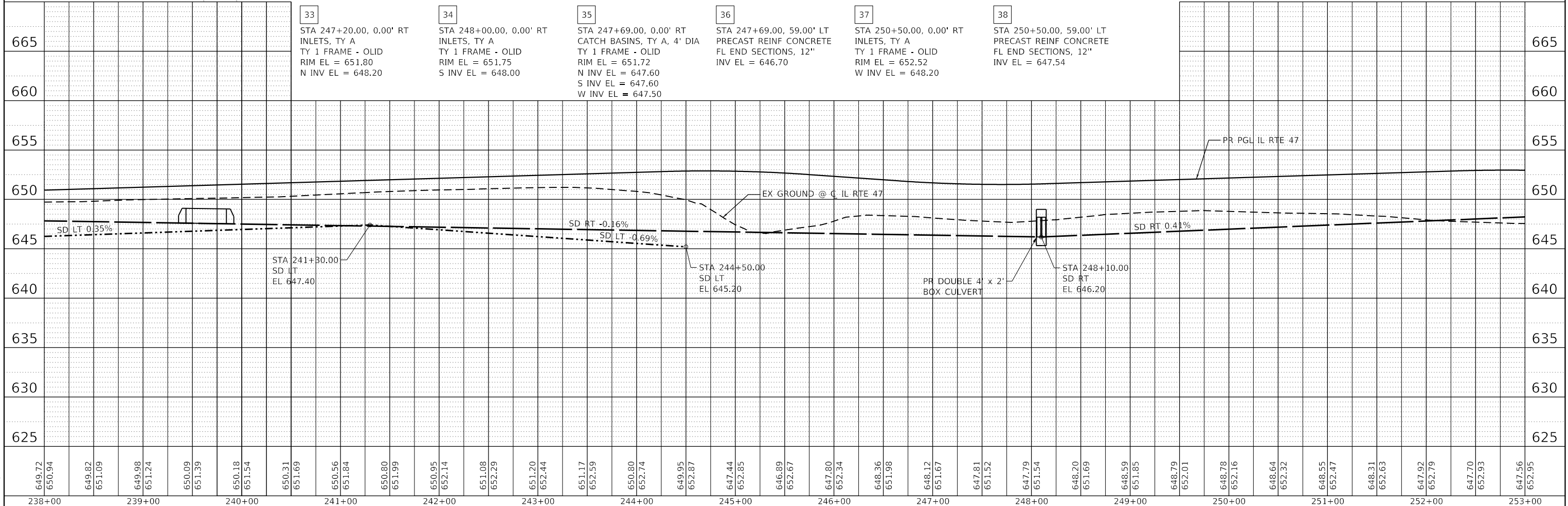
PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO.	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATIONS CHKD		

FILE NAME: C:\062M71\stt-drain-IL 47-01.dgn
PLOT DEVICE: HPGL-2
PEN TABLE: HPGL-2.DOT.pen.tbl

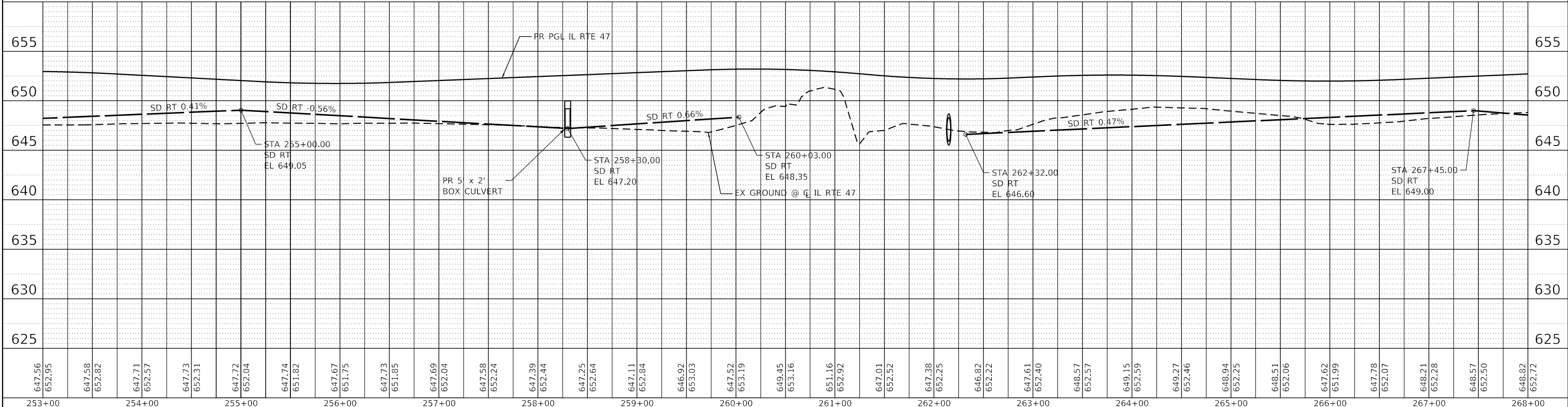


PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTAT'NS CHKD _____		

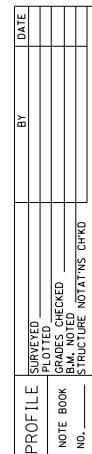


 QUIGG ENGINEERING INC	USER NAME = MWilson	DESIGNED - SCD	REVISED -  05/27/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN & PROFILE ILLINOIS ROUTE 47				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN - SCD	REVISED -						326	2020-198-W&T	KENDALL	531	193
	PLOT DATE = 5/28/2026	CHECKED -	REVISED -		CONTRACT NO. 62M71								
	SCALE: 1"=50'				SHEET 2 OF 21 SHEETS	STA. 238+00.00 TO STA. 253+00.00		ILLINOIS FED. AID PROJECT					

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTAT'NS CHKD _____		



 QUIGG ENGINEERING INC	USER NAME = MWilson	DESIGNED - SCD	REVISED -  4/28/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN & PROFILE ILLINOIS ROUTE 47				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN - SCD	REVISED -						326	2020-198-W&T	KENDALL	531	194
	PLOT DATE = 4/28/2026	CHECKED -	REVISED -		CONTRACT NO. 62M71								
		DATE -	REVISED -		SCALE: 1"=50'	SHEET 3 OF 21 SHEETS	STA. 253+00.00 TO STA. 268+00.00	ILLINOIS FED. AID PROJECT					



FILE NAME: C:\D162M71-sh1t-drain-Galena-01.dgn
PLOT DRIVER: /HRC_IL_DOT.pdf_bw.pltcfg
PEN TABLE: HRC_IL_DOT_pentable.tbl



STORM SEWER SCHEDULE																							
LOCATION / STATION				STORM SEWERS, CL A, TY 1				STORM SEWERS, CL A, TY 2					STORM SEWERS, CL A, TY 2	PRC FLARED END SECTIONS						PRC FLARED END SECTIONS, EQRS	TRENCH BACKFILL		
				12"	15"	18"	21"	24"	27"	12"	15"	18"		21"	24"	36" EQRS	12"	15"	18"			21"	24"
				550A0050 (FOOT)	550A0070 (FOOT)	550A0090 (FOOT)	550A0110 (FOOT)	550A0120 (FOOT)	550A0130 (FOOT)	550A0340 (FOOT)	550A0360 (FOOT)	550A0380 (FOOT)	550A0400 (FOOT)	550A0410 (FOOT)	550A5300 (FOOT)	54213657 (EACH)	54213660 (EACH)	54213663 (EACH)	54213666 (EACH)	54213669 (EACH)	54213672 (EACH)	54214521 (EACH)	20800150 (CU YD)
IL 47																							
230+00.00	RT	13						3													1		--
230+60.00	RT	14	25																				3.3
230+60.00	RT	15	15																				4.2
231+70.00	RT	17	39																				5.2
231+70.00	RT	18	14																				4.3
232+85.00	RT	20	50																				6.6
232+85.00	RT	21	15																				4.4
232+85.00	RT	22	111																				96.3
235+85.00	RT	16						56															47.7
236+75.00	RT	19						106															91.8
235+85.00	LT	24							66 88	1						1							6.6
236+75.00	RT	23																					11.7
238+05.00	LT	26							66 88	1						1							6.6
239+55.00	LT	29	58 43	1												1							6.4
240+00.00	RT	28																					5.7
242+20.00	LT	31							55							1							6.6
247+20.00	CL	33	46																				--
247+69.00	LT	35	51													1							5.5
248+00.00	CL	34	28																				--
250+50.00	LT	37							52							1							5.5
255+30.00	LT	39	63																				--
255+95.00	LT	40	4																				0.3
255+95.00	LT	41	37																				4.9
256+35.00	LT	42	61																				8.1
257+00.00	LT	43							49							1							5.7
258+5																							



QUIGG ENGINEERING INC.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 5 OF 10 SHEETS	STA.	TO STA.
--------	----------------------	------	---------

1 REV. 5/27/26

FILE NAME: C:\0627\1st-st-drain-Sched-01
PLOT DOWNS: 11/1/2026
PEN TABLE: OPEN TABLES



USER NAME = MWilson	DESIGNED - SCD	REVISED -  05/27/2026
	DRAWN - SCD	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/28/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE
ILLINOIS ROUTE 47

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KENDALL	531	221
CONTRACT NO. 62M71				
ILLINOIS FED. AID PROJECT				

STORM SEWER SCHEDULE																						
LOCATION / STATION			STORM SEWERS, CL A, TY 1					STORM SEWERS, CL A, TY 2					STORM SEWERS, CL A, TY 2	PRC FLARED END SECTIONS						PRC FLARED END SECTIONS, EQRS	TRENCH BACKFILL	
			12" 550A0050 (FOOT)	15" 550A0070 (FOOT)	18" 550A0090 (FOOT)	21" 550A0110 (FOOT)	24" 550A0120 (FOOT)	27" 550A0130 (FOOT)	12" 550A0340 (FOOT)	15" 550A0360 (FOOT)	18" 550A0380 (FOOT)	21" 550A0400 (FOOT)	24" 550A0410 (FOOT)	36" EQRS 550A5300 (FOOT)	12" 54213657 (EACH)	15" 54213660 (EACH)	18" 54213663 (EACH)	21" 54213666 (EACH)	24" 54213669 (EACH)	27" 54213672 (EACH)	36" 54214521 (EACH)	20800150 (CU YD)
100+64.50	RT	197				85												1			6.6	
100+70.00	RT	199				48															9.3	
100+94.00	RT	198					22														4.1	
100+70.00	LT	202				80												1			5.3	
100+70.00	LT	201				8															--	
100+94.00	LT	200					22														4.2	
BRISTOL BAY																						
100+73.50	RT	204			118											1					4.3	
100+84.00	RT	206							44												33.7	
101+16.00	RT	205					30														5.6	
100+84.00	LT	208			26																1.7	
101+16.00	LT	207					29														5.6	
100+84.00	LT	209			89											1					5.3	
BASELINE RD / US 30																						
1013+19.00	LT	211										17								1	--	
1013+19.00	LT	213										56									26.3	
1013+19.00	RT	215										33									19.5	
1013+19.00	RT	217										19								1	--	
1013+50.00	LT	212					38														5.9	
1013+50.00	RT	214					38														6.2	
1013+50.00	RT	216					38														6.3	
1014+75.00	LT	219					47														10.0	
1014+75.00	RT	220					4														--	
1014+75.00	RT	221					39														12.7	
1014+75.00	RT	222					26							1							--	
1019+35.00	RT	224					63							1							12.9	
TOTALS			1562	39	446	314	221	165	4850	658	286	242	599	125	29	4	4	1	3	1	2	2678.9
USE																					2679	



FIELD TILE SCHEDULE						
LOCATION / STATION				STORM SEWERS, CL A, TY 2 24"	FIELD TILE INSPECTION STRUCTURE	TRENCH BACKFILL
				550A0410 (FOOT)	Z0023000 (EACH)	20800150 (CU YD)
IL 47						
348+88.00	RT	RT			1	--
350+13.50	LT	RT		266	1	44.5
350+26.70	RT	RT			1	--
352+09.50	LT	RT		300	1	49.5
TOTALS				566	4	94.0
USE						94

FILE NAME: C:\062026\1st-drain-Sched-01
PLOT DATE: 4/28/2026
PEN TABLE: PENL TABLE\$



USER NAME = MWilson	DESIGNED - SCD	REVISED - 1 4/28/2026
	DRAWN - SCD	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/28/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE
ILLINOIS ROUTE 47

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KENDALL	531	223
CONTRACT NO. 62M71				
ILLINOIS FED. AID PROJECT				

PIPE CULVERT SCHEDULE											
LOCATION / STATION	PIPE CULVERTS, CL D, TY 1				PIPE CULVERTS, CL D, TY 2	PIPE CULVERTS, CL D, TY 1	METAL FLARED END SECTIONS				METAL FLARED END SECTIONS, EQRS
	15" 542D0220 (FOOT)	18" 542D0223 (FOOT)	21" 542D0226 (FOOT)	24" 542D0229 (FOOT)	15" 542D1060 (FOOT)	21" EQRS 542D5476 (FOOT)	15" 54262715 (EACH)	18" 54262718 (EACH)	21" 54262721 (EACH)	24" 54262724 (EACH)	21" 54262821 (EACH)
GALENA RD											
93+71.50 RT		71						2			
100+79.00 RT		98						2			
101+18.00 LT		45						2			
103+31.00 RT	57						2				
104+13.00 RT					63		2				
106+50.00 RT					66		2				
BASELINE RD / US 30											
1001+85.00 RT	45						2				
1006+04.00 LT				55						2	
STAR LANE											
98+41.00 LT	37						2				
98+48.00 RT	36						2				
JERICHO RD											
91+27.00 LT	48						2				
93+73.00 RT			45						2		
93+73.00 RT			45						2		
95+54.00 LT			33						2		
96+62.00 LT			38						2		
105+31.00 LT						38					2
106+44.00 LT						34					2
TOTALS	223	214	161	55	129	72	14	6	8	2	4



PR CL BASELINE ROAD

PR ROW

N: 1841281.0101
E: 954023.4403

WETLAND
BOUNDARY

N: 1841406.3222
E: 954043.7087

PR CONTOURS
(TYP.)

PR ROW

SEE CULVERT PLANS
S.N. 045-8306

1010+00

SEE RETAINING
WALL PLANS
S.N. 045-9200

PR CL ROB ROY CREEK

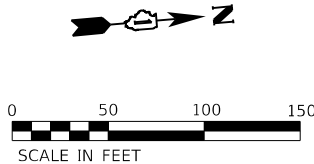
N: 1841449.1838
E: 854082.8704

PR CL IL RTE 47/US 30

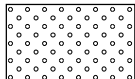
325+00

SEE CULVERT PLANS
S.N. 045-8305

PR CL US 30



LEGEND



SEEDING, CLASS 2A
EROSION CONTROL BLANKET
6" TOPSOIL



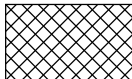
SEEDING, CLASS 4A & CLASS 5
EROSION CONTROL BLANKET
6" TOPSOIL



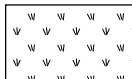
TREE (SHADE)



TREE (ORNAMENTAL/UNDERSTORY)



BIOSWALE



TOPSOIL FURNISH AND PLACE 12"
AND SODDING SALT TOLERANT



EVERGREEN TREES



PERENNIAL PLANTS, BULB TYPE
AND SODDING, SALT TOLERANT

FILE NAME: C:\062M71\sh1-Grading-01.dgn
PLOT DATE: 5/13/2026
PEN TABLE: HRC\LDOT\pen.tbl



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = bhartma	DESIGNED -	REVISED -	5/13/2026
	DRAWN -	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	
PLOT DATE = 5/13/2026	DATE -	REVISED -	

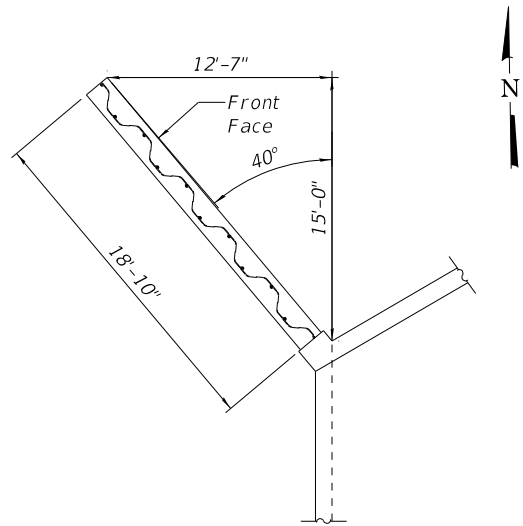
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
ILLINOIS ROUTE 47

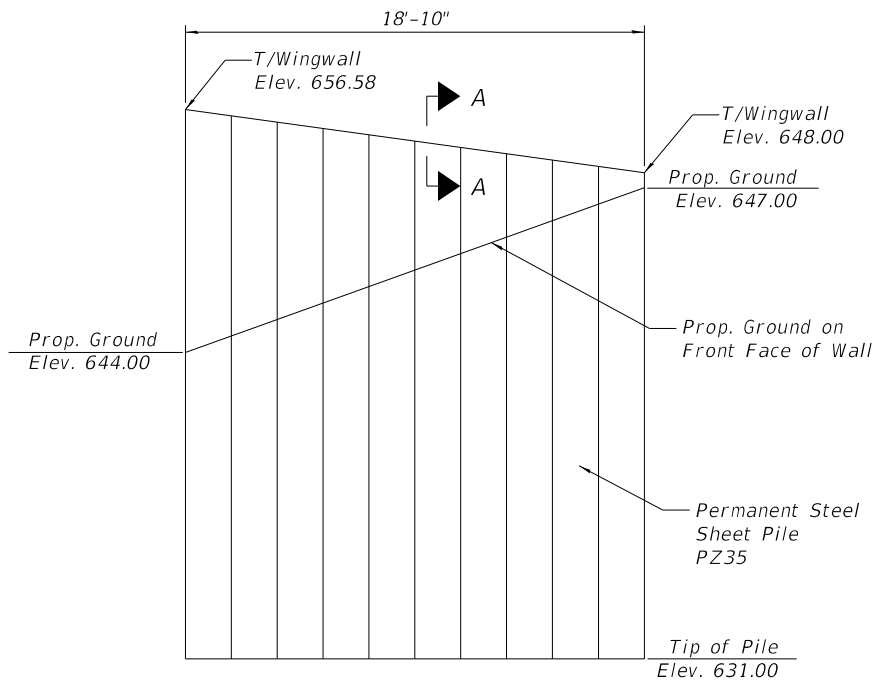
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KANE/KENDALL	531	297A
CONTRACT NO. 62M71				
ILLINOIS FED. AID PROJECT				

ADDED SHEET 5/27/26

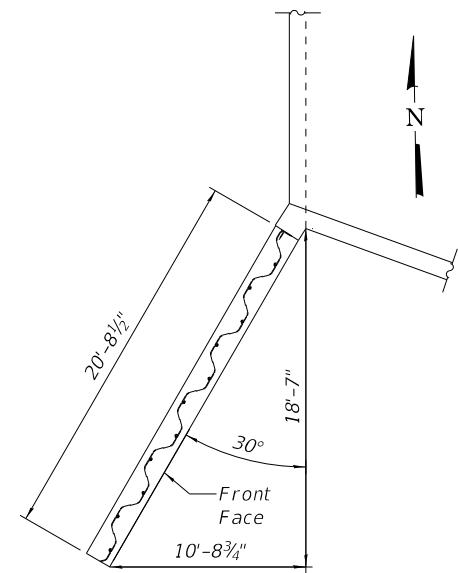


PLAN

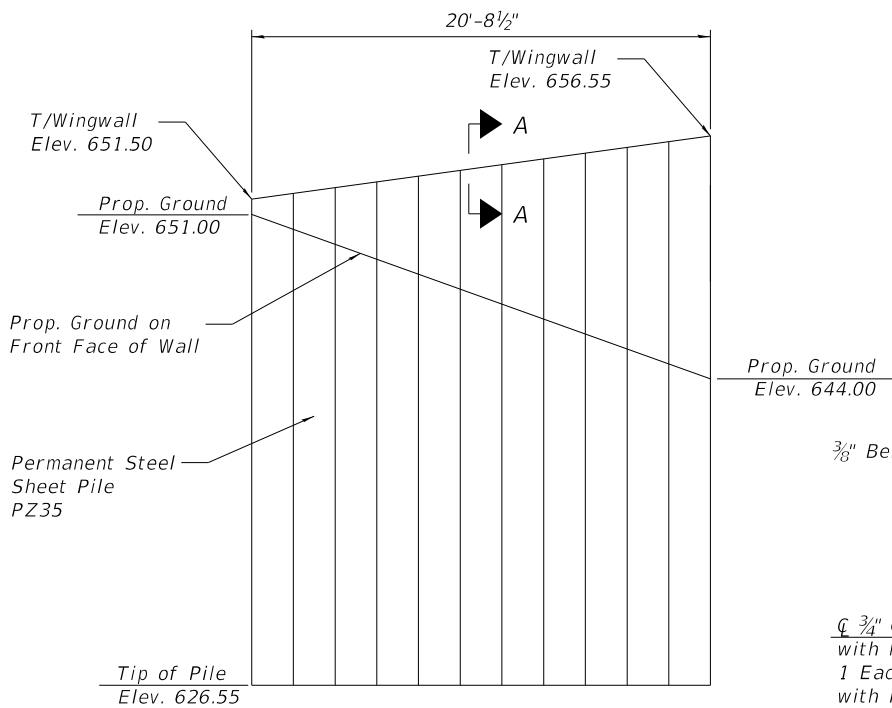


ELEVATION
(LOOKING WEST)

NORTHWEST CORNER

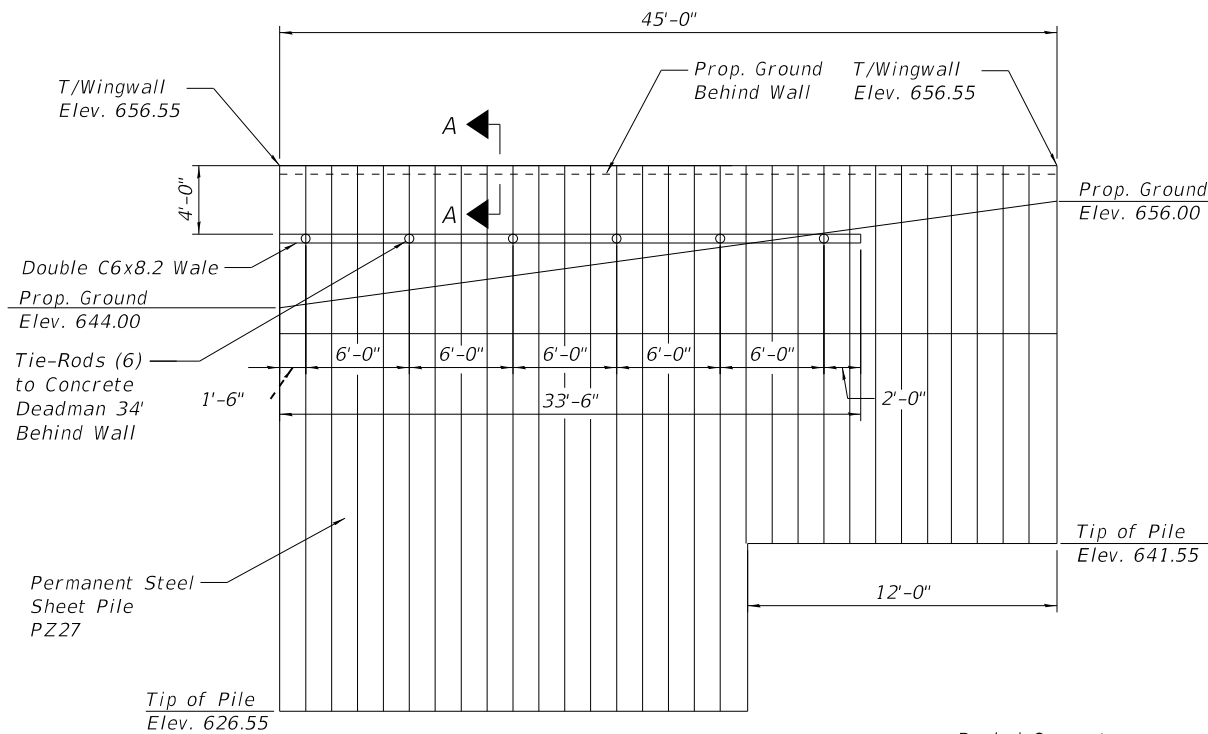


PLAN



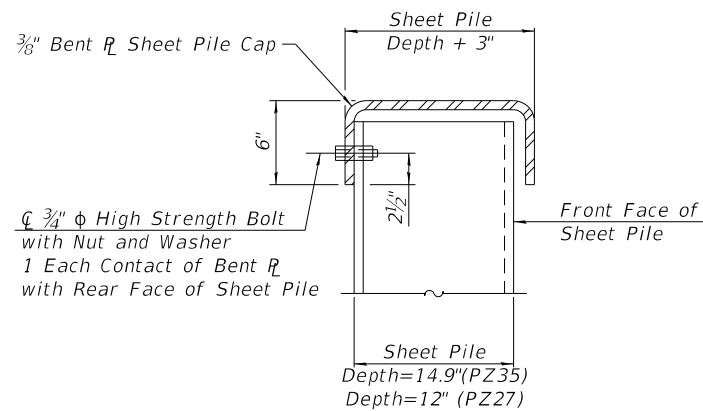
ELEVATION
(LOOKING WEST)

SOUTHWEST CORNER

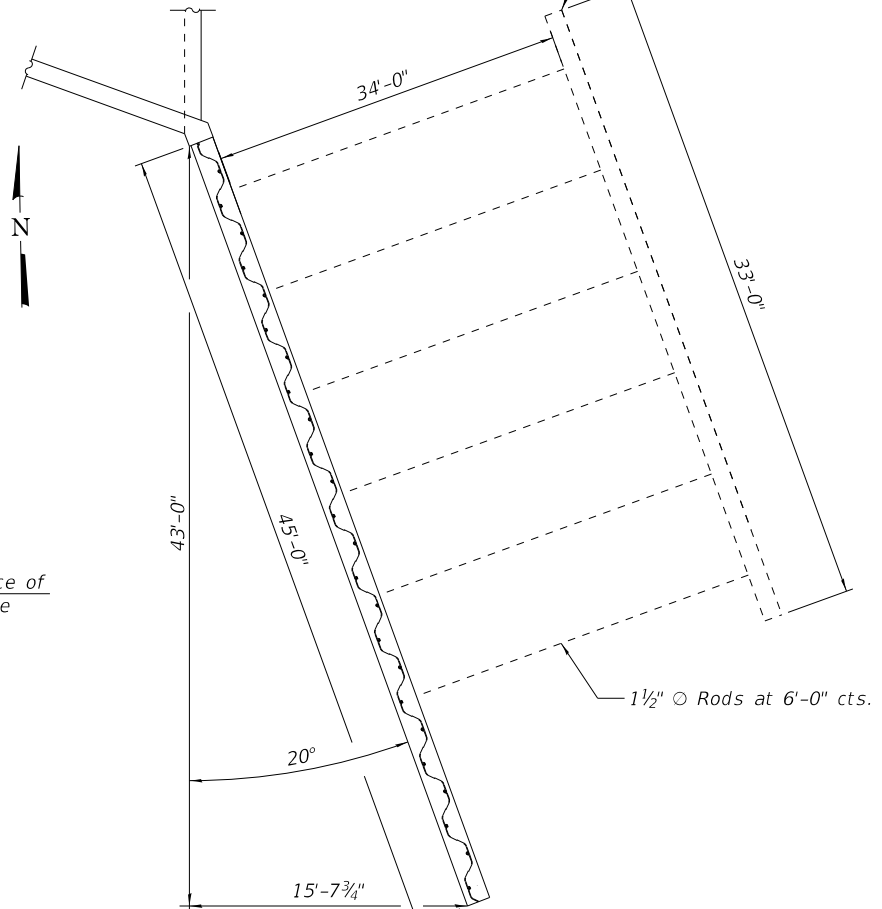


ELEVATION
(LOOKING EAST)

SOUTHEAST CORNER



SECTION A-A



PLAN

SOUTHEAST CORNER

Notes:
Cost of deadman system and excavation for same shall be included in the cost of Permanent Sheet Piling

As indicated on the boring logs, potential cobbles and boulders may be present within the embedment depths necessary. It should be assumed that vibratory installation of sheet pile sections may not be sufficient, and that hammering may be necessary.

The minimum effective section modulus of the permanent steel sheet pile wall shall be 30.2 (PZ27) or 48.5 (PZ35) in.³/ft. Which includes allowance for long term corrosion loss.

Notes (Cont.):
Sheet piling shall not be driven until the concrete strength has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.

The cost of furnishing and installing the bent R sheet pile cap, elastomeric mat, deadman anchorage system, and filter fabric shall be included in the cost of Permanent Sheet Piling.

See special provision for Deadman Anchor System.



FILE NAME: 045-8306-62M71-007-WingwallDetails.dgn
PLOT DRIVER: /HRC/IL/DOT/007.dwt
PEN TABLE: HRC/IL/DOT/penTable.tbl



HRCgreen.com
Illinois Professional Design Firm
184-001322

USER NAME	jeff.heimer	DESIGNED	SLS	REVISED	5/8/2026	SLS
CHECKED	RAT	REVISION				
PLOT SCALE	=	DRAWN	JJH	REVISION		
PLOT DATE	= 5/11/2026	CHECKED	AEU	REVISION		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL DETAILS
STRUCTURE NO. 045-8306

SHEET NO. 7 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KANE/KENDALL	531	383
CONTRACT NO. 62M71				
ILLINOIS FED. AID PROJECT				

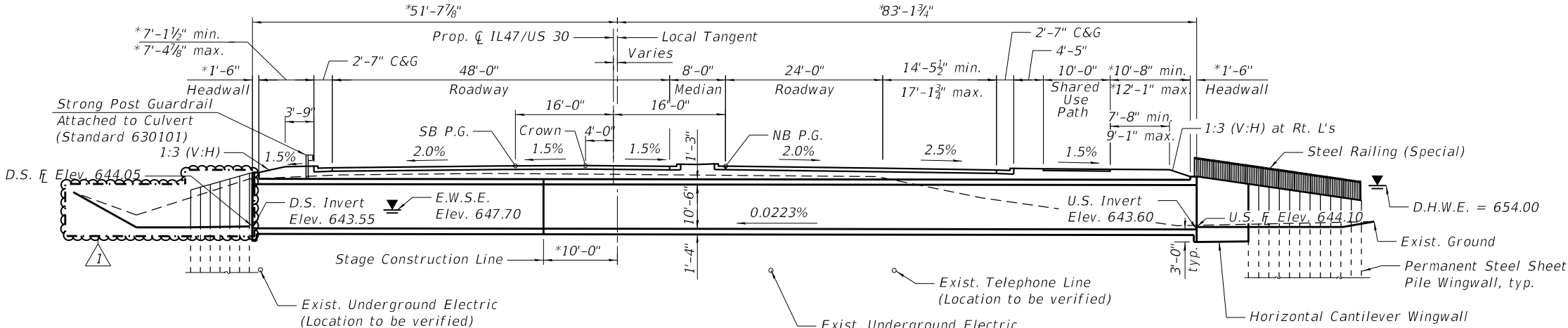
Benchmark 102:
Chiseled square in SE corner of
concrete signal controller pad
Elev: 656.66 (NAVD 88)

Existing Structure:
Structure No. 045-2011 Built in 1989 as
FAP 100, Section 10B-1-R(87) as a double
10'-6" x 10'-0" reinforced concrete box culvert,
218'-0" out-to-out of headwalls. The existing
culvert is to be removed and replaced with a
cast-in-place double box culvert. Traffic to be
maintained utilizing stage construction.

No Salvage

CURVE DATA

PROP. CURVE PR IL47 12
P.I. Sta. = 324+42.74
 $\Delta = 12^\circ 02' 58"$ (LT)
 $D = 0^\circ 40' 27"$
 $R = 8,500.00'$
 $T = 897.10'$
 $L = 1,787.59'$
 $E = 47.21'$
P.C. Sta. = 315+45.64
P.T. Sta. = 333+33.23



LONGITUDINAL SECTION

(Looking North)
(Dimensions shown are radial to the
C Roadway unless noted otherwise)
* Perpendicular to Local Tangent

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition

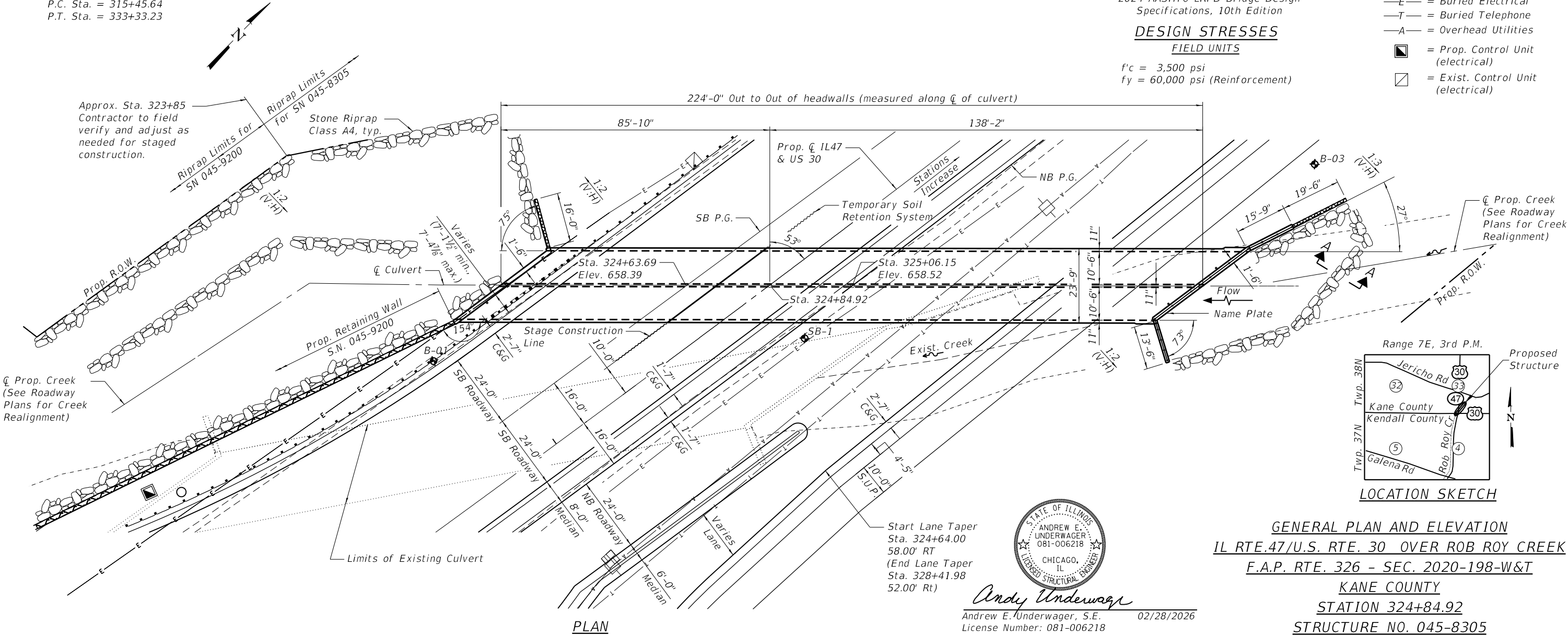
DESIGN STRESSES

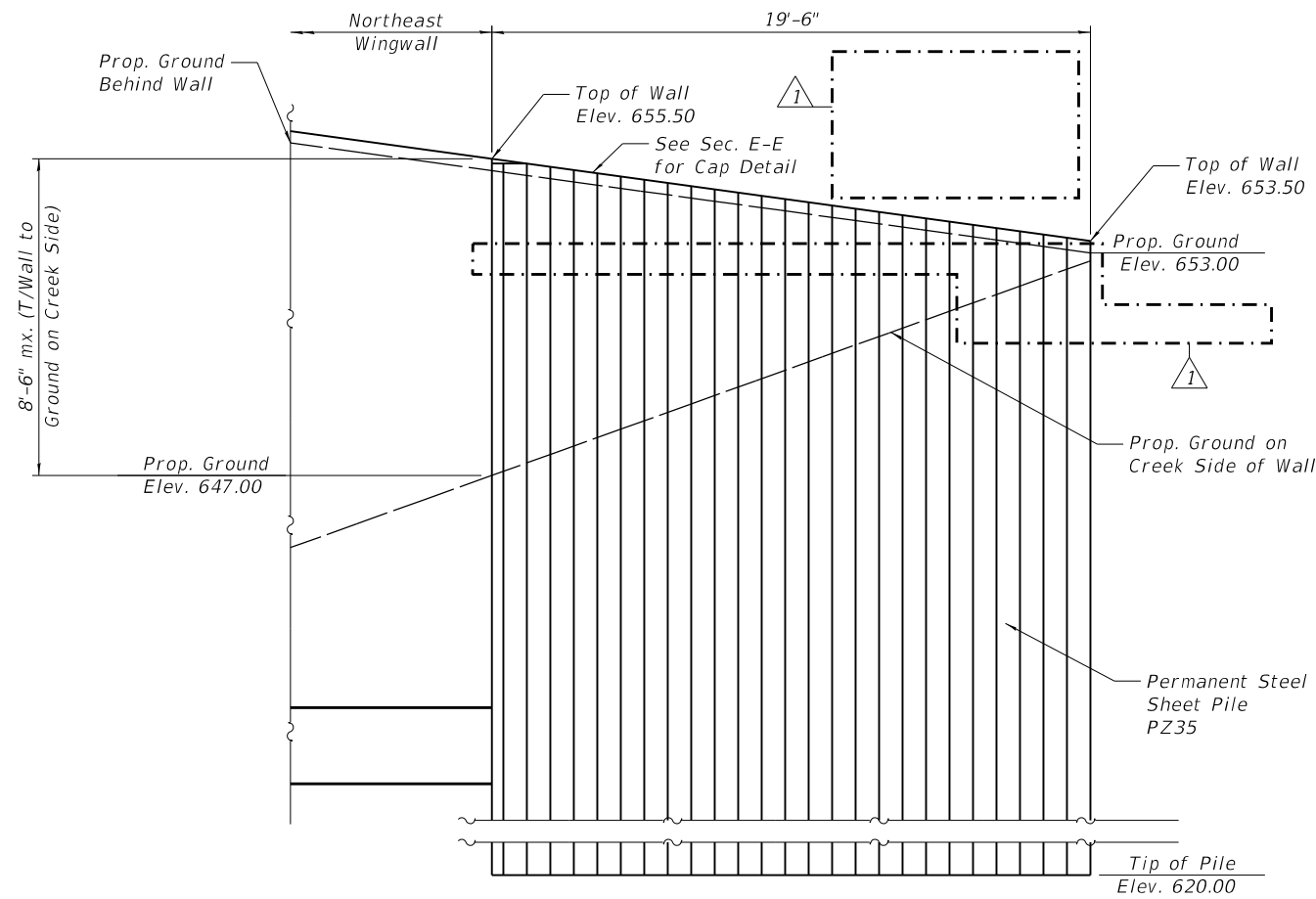
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

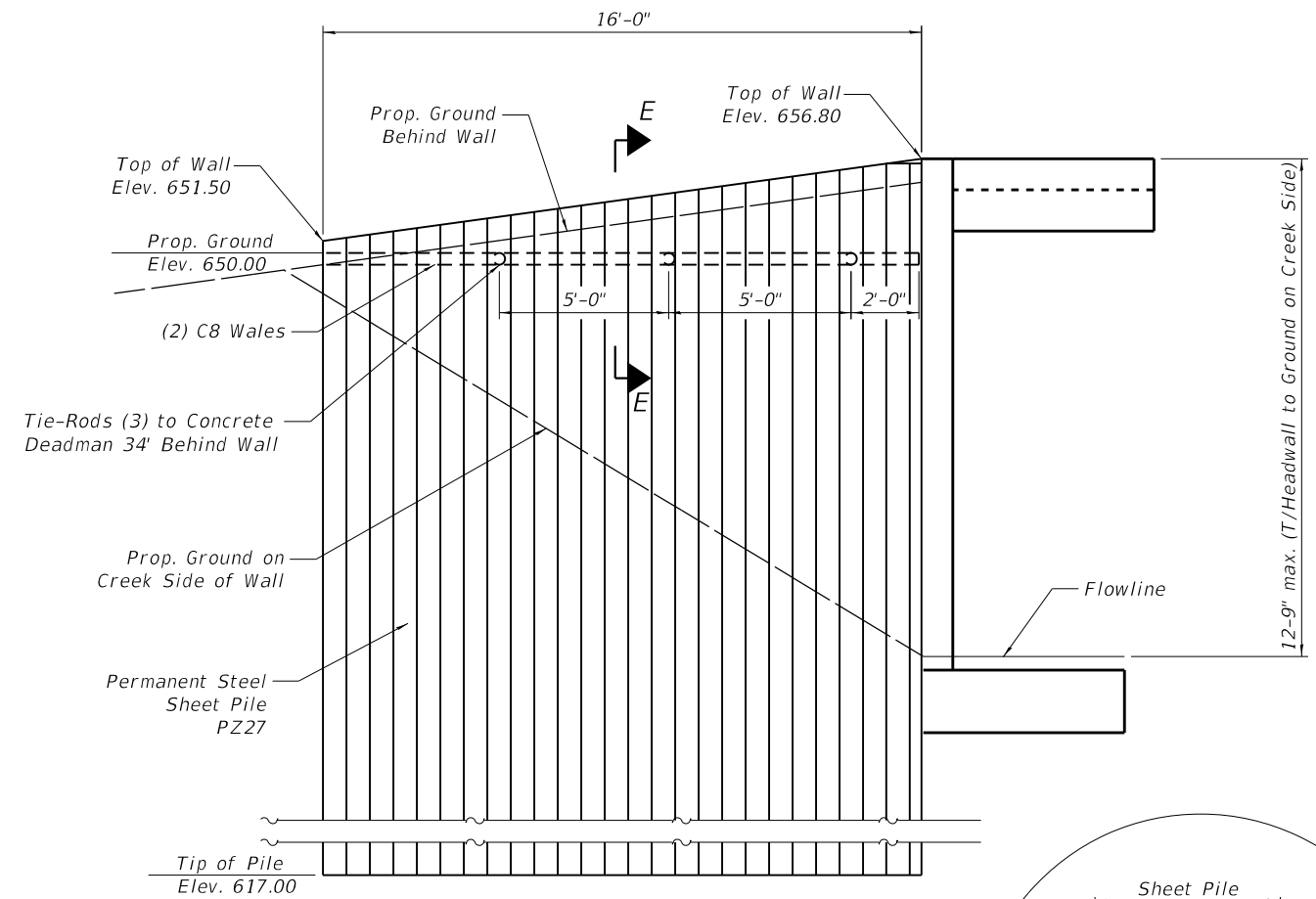
LEGEND

- Soil Boring
- S.U.P. = Shared Use Path
- E— = Buried Electrical
- T— = Buried Telephone
- A— = Overhead Utilities
- Prop. Control Unit (electrical)
- Exist. Control Unit (electrical)

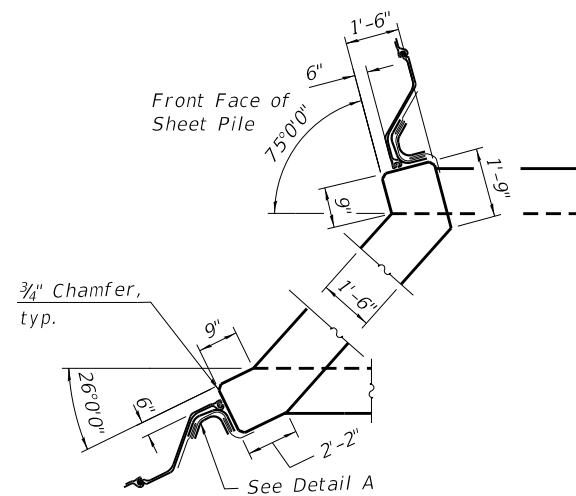




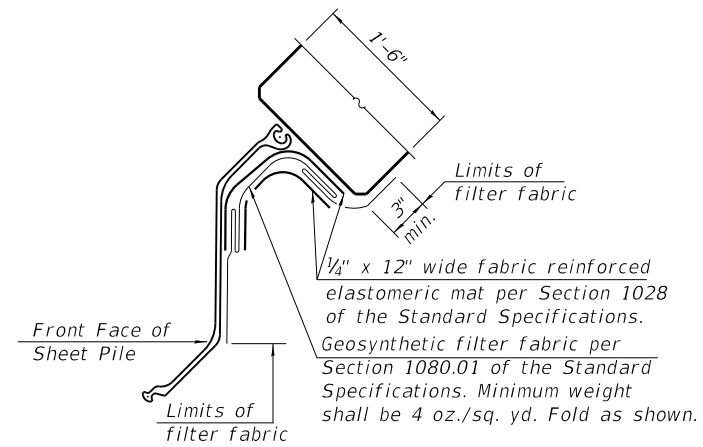
NORTHEAST RETAINING WALL



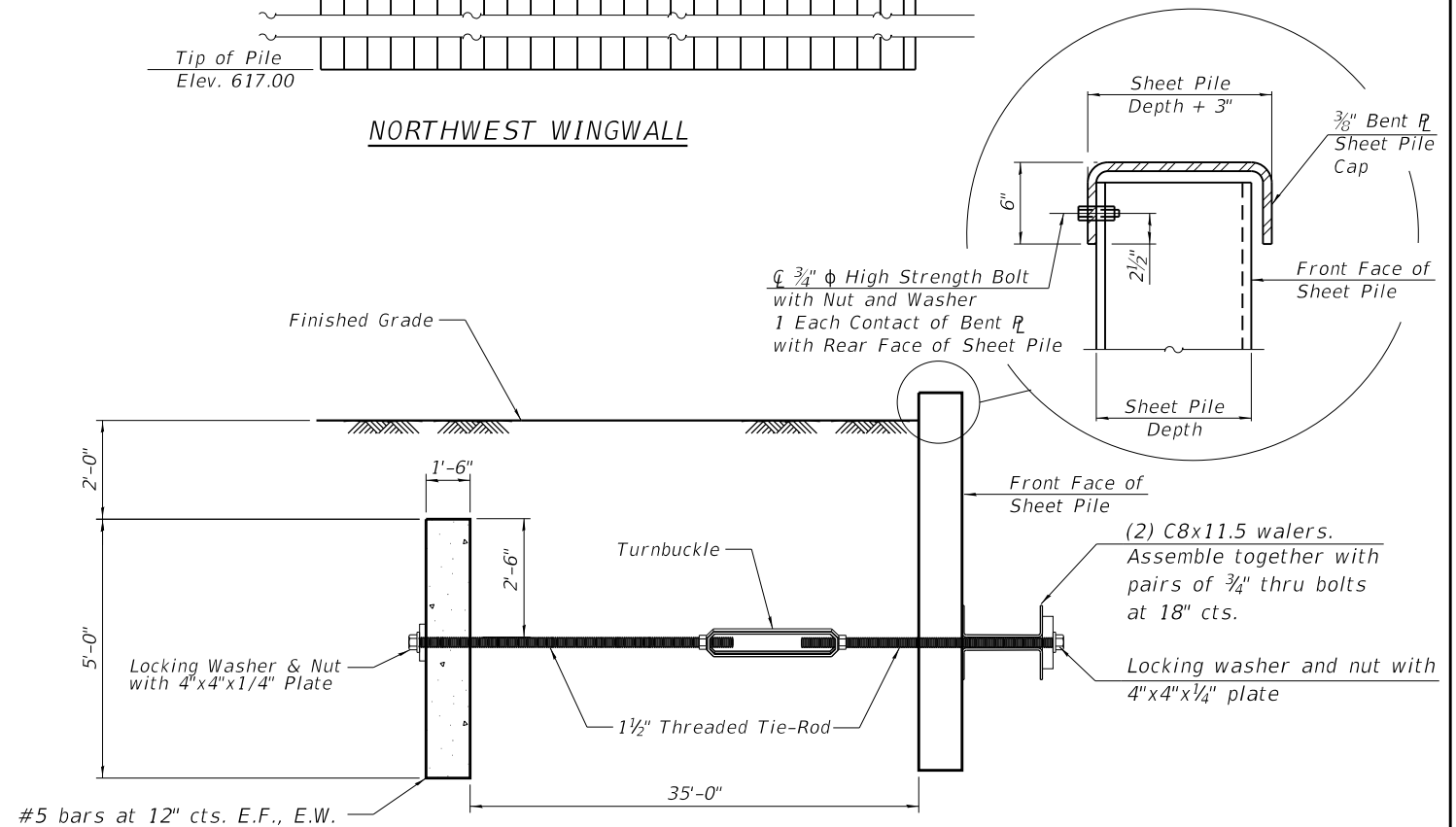
NORTHWEST WINGWALL



WEST HEADWALL CORNER DETAILS



DETAIL A



**SECTION E-E
TIE-ROD AND CONCRETE DEADMAN
FOR NORTHWEST WINGWALL**

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Permanent Sheet Piling	Sq.Ft.	1,270

Notes:

The minimum effective section modulus of the permanent steel sheet pile wall shall be 48.9 in.³/ft.

Sheet piling shall not be driven until the concrete strength has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.

The cost of furnishing and installing the bent R sheet pile cap, elastomeric mat, and filter fabric shall be included in the cost of Permanent Sheet Piling.

All labor and materials required to install the deadman system shall be included in the unit price for Permanent Sheet Piling. See special provision for Deadman Anchor System.

FILE NAME: 045-8305-62M71-03-Culvert1_Details-Wingwalls2.dgn
PLOT DRIVER: /ARC_IL\DOT\pdf\dwgplotter
PEN TABLE: /ARC_IL\DOT\pen\table.tbl

	USER NAME - jeff.heimer	DESIGNED - JMW	REVISED - 5/14/2026 JMW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS - WINGWALLS STRUCTURE NO. 045-8305	F.A.P. RTE. 326 SECTION 2020-198-W&T COUNTY KANE TOTAL SHEETS 531 SHEET NO. 399 CONTRACT NO. 62M71 ILLINOIS FED. AID PROJECT
	PLOT SCALE =	DRAWN - JJH	REVISED -			
	PLOT DATE = 5/14/2026	CHECKED - AEU	REVISED -			