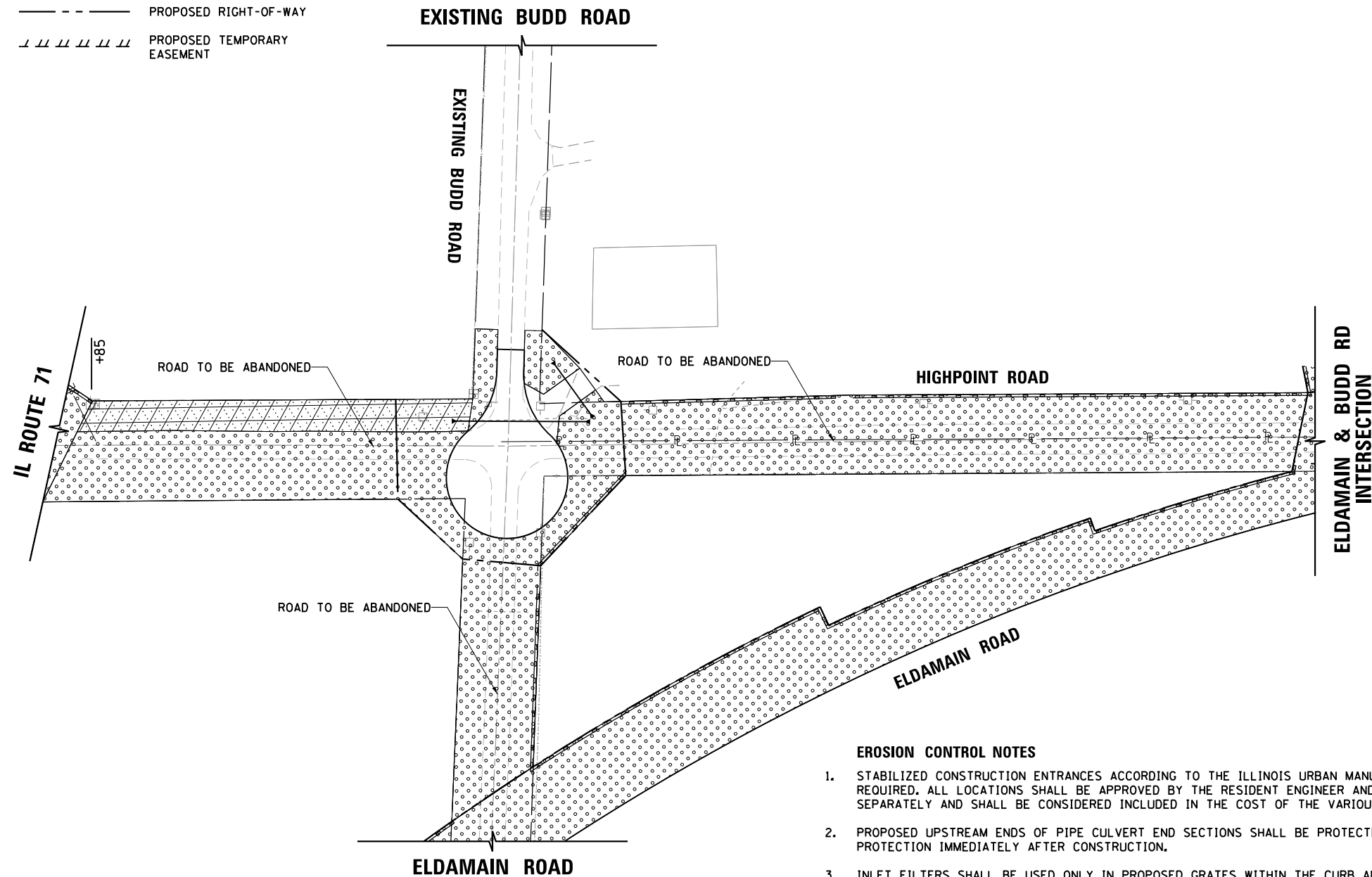


LEGEND

	SEEDING, CLASS 2A		PROPOSED DITCH FLOW DIRECTION
	SEEDING, CLASS 4A & 5		PERIMETER EROSION BARRIER
	RIPRAP		PAVED DITCH
	HEAVY DUTY EROSION CONTROL BLANKET		EXISTING RIGHT-OF-WAY
	INLET FILTERS OR INLET & PIPE PROTECTION		PROPOSED RIGHT-OF-WAY
	TEMPORARY DITCH CHECK		PROPOSED TEMPORARY EASEMENT
	AGGREGATE DITCH CHECK		



EROSION CONTROL NOTES

1. STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO THE ILLINOIS URBAN MANUAL LATEST EDITION WILL BE REQUIRED. ALL LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.
2. PROPOSED UPSTREAM ENDS OF PIPE CULVERT END SECTIONS SHALL BE PROTECTED WITH INLET AND PIPE PROTECTION IMMEDIATELY AFTER CONSTRUCTION.
3. INLET FILTERS SHALL BE USED ONLY IN PROPOSED GRATES WITHIN THE CURB AND GUTTER.
4. PERMANENT STABILIZATION SHALL OCCUR AT EACH CONSTRUCTION STAGE PRIOR TO MOVING ONTO THE NEXT STAGE.
5. SEE THE DRAINAGE PLAN AND PROFILE SHEETS FOR FURTHER DETAILS ON STONE RIPRAP.

LANDSCAPING NOTES

1. ALL AREAS TO BE SEEDED SHALL HAVE 4" OF TOPSOIL (TOPSOIL EXCAVATION AND PLACEMENT), NITROGEN, PHOSPHORUS, AND POTASSIUM NUTRIENT, AND TEMPORARY EROSION CONTROL BLANKET UNLESS HEAVY DUTY EROSION CONTROL BLANKET IS SHOWN ON THE PLANS.

FILE NAME: \\V:\p\m\c\m\1901\2014\87731\CD\CONTRACT\1511\CD\21\Task\Sheet\87731-101.dgn

SA
STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

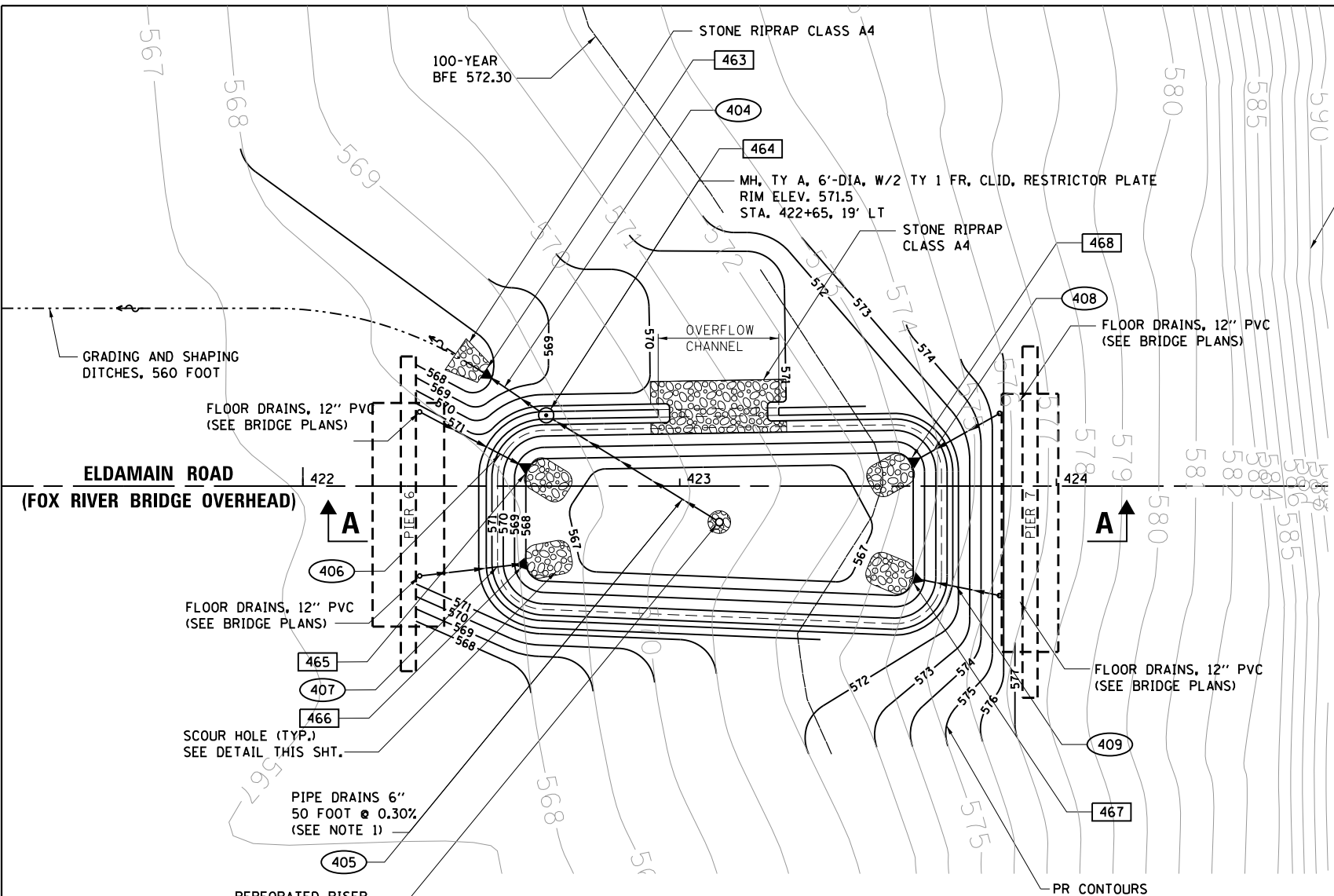
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

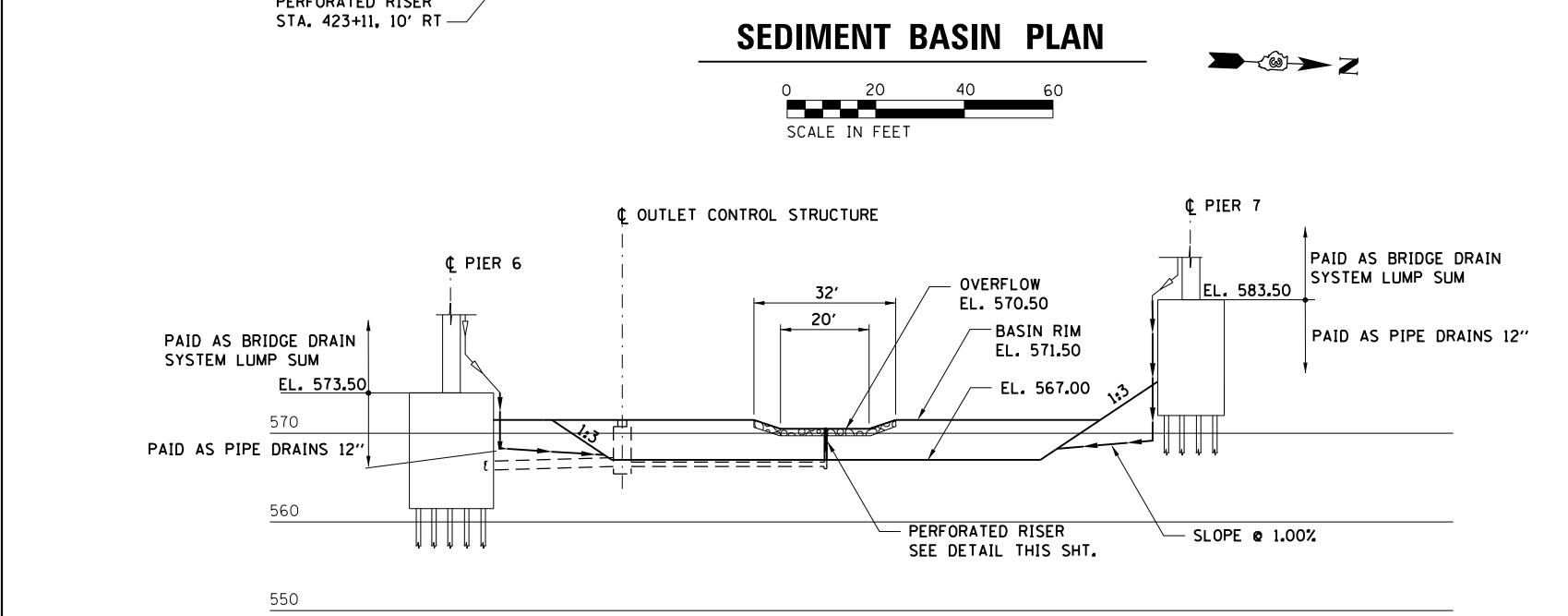
**LANDSCAPING & EROSION CONTROL PLAN
 HIGH POINT ROAD**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 87731	

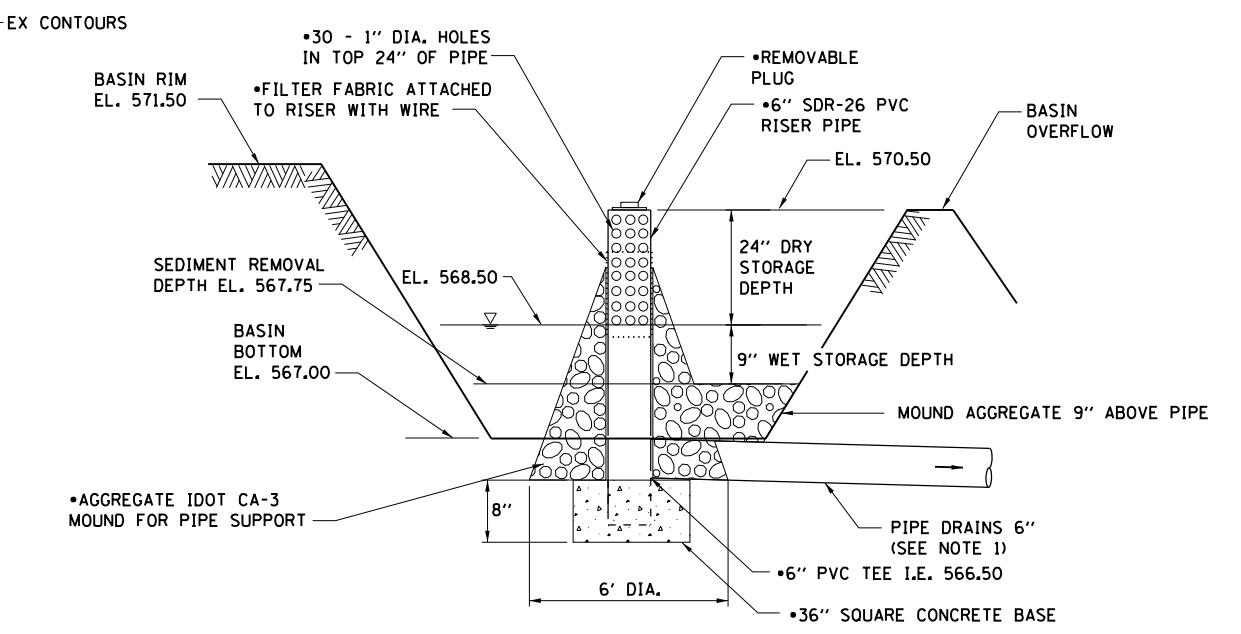


SEDIMENT BASIN PLAN



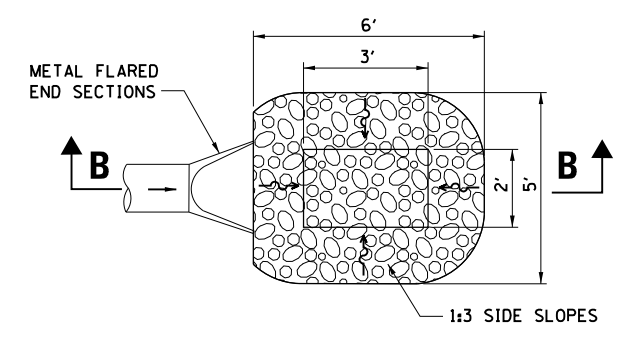
SECTION A-A

NO SCALE



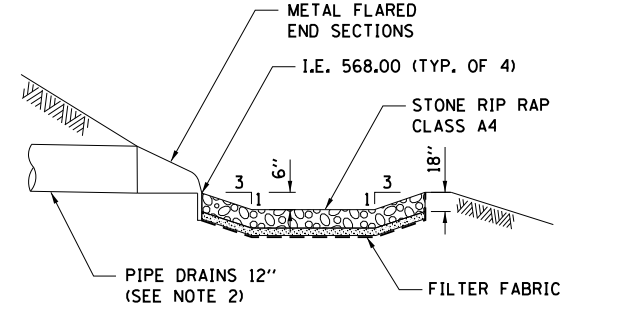
PERFORATED RISER DETAIL

INCLUDED IN PERFORATED RISER PAY ITEM
NO SCALE



SCOUR HOLE DETAIL

NO SCALE



SECTION B-B

NO SCALE

NOTES:

- PIPE DRAINS 6" SHALL BE SCHEDULE 80 SOLID WALL PVC PIPE.
- PIPE DRAINS 12" SHALL BE SCHEDULE 80 SOLID WALL PVC PIPE.

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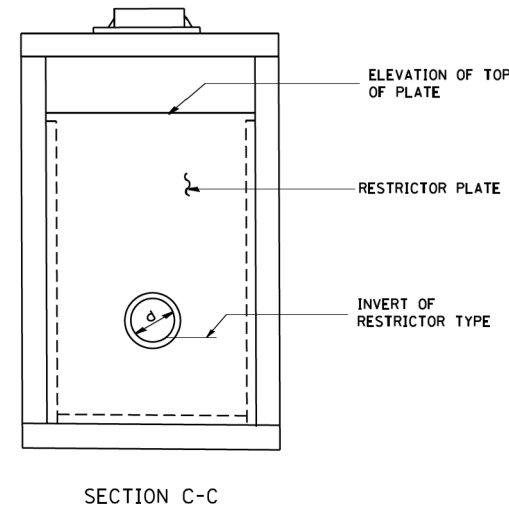
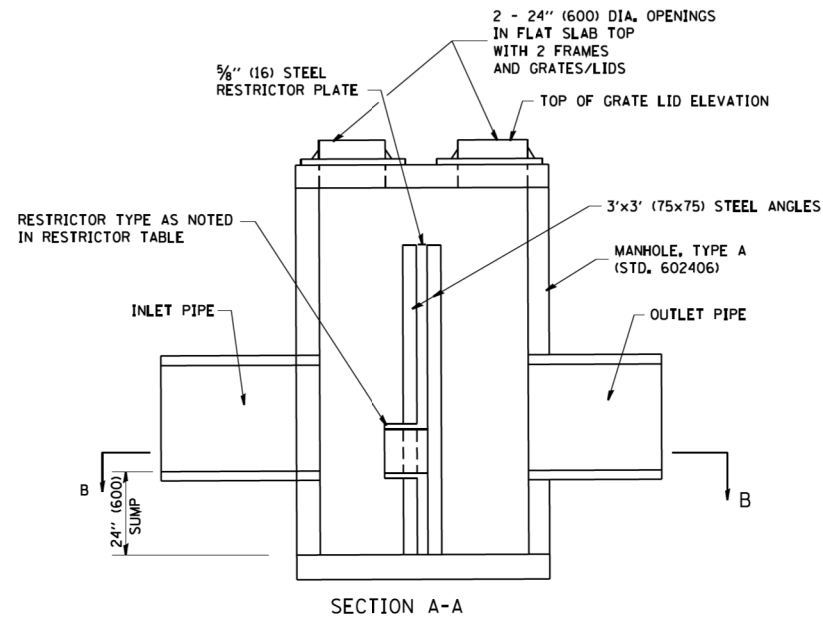
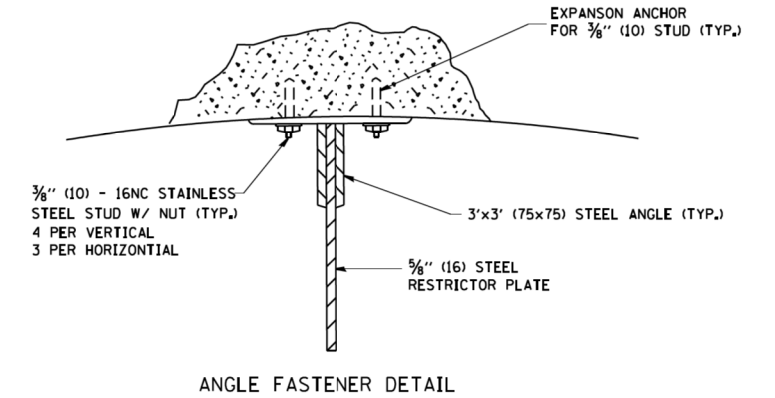
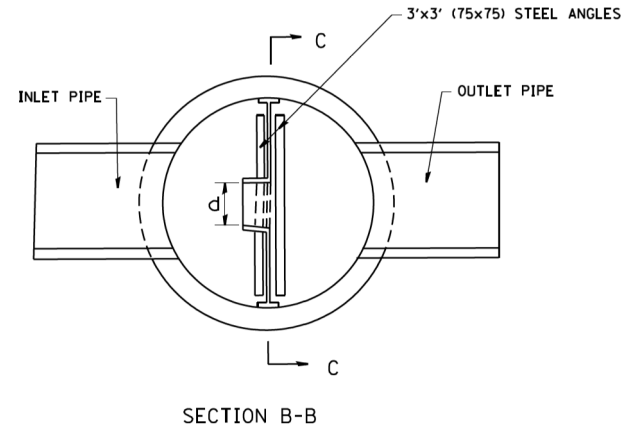
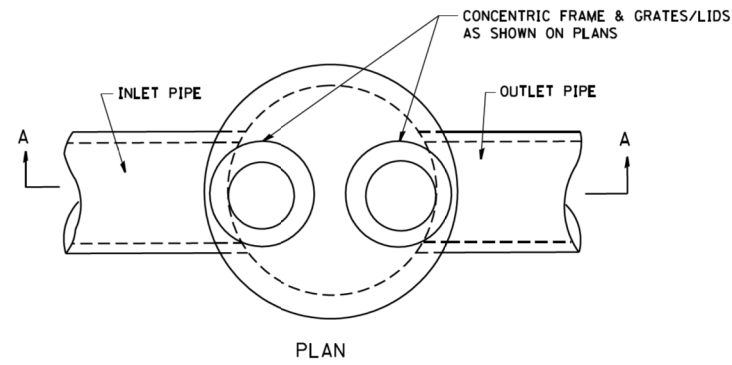
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PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

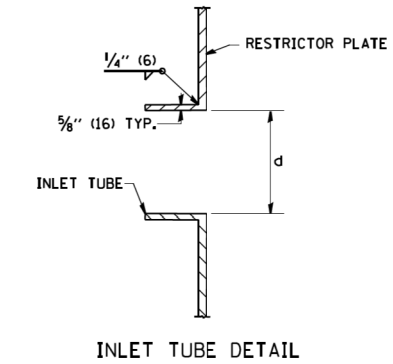
**SEDIMENT BASIN
ELDAMAIN ROAD
STA. 423 + 11**

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	102
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

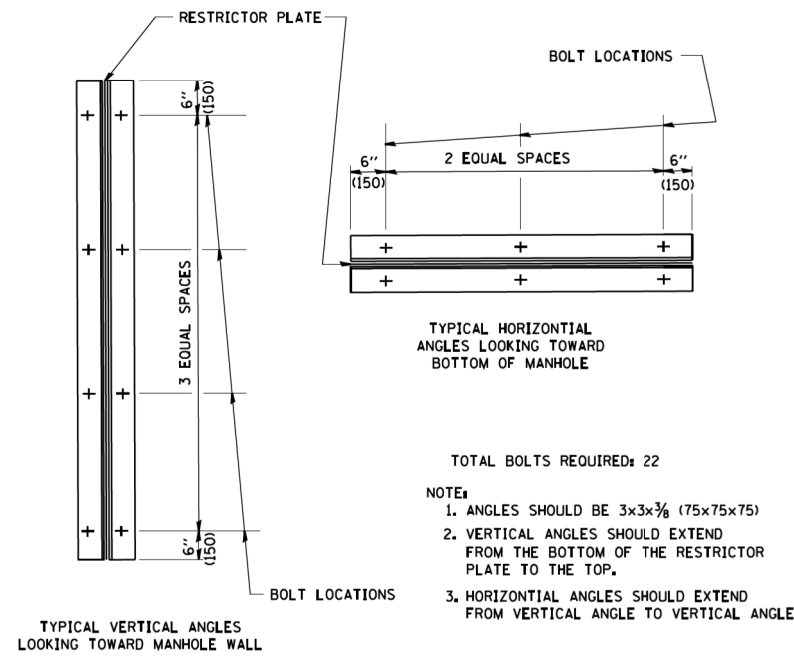
SCALE: SHEET NO. OF SHEETS STA. TO STA.



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
422+65, 19' LT	6'	TYPE 1	TYPE 1	1.75"	566.35	568.50



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME: \\p:\g\manhole\422+65\422+65-19-LT\422+65-19-LT.dwg; PLOT DATE: 8/17/2020

SA 1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES* (815) 744-4200

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OUTLET CONTROL STRUCTURE
ELDAMAIN ROAD
STA. 422 + 65

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	103
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

PROPOSED STORM SEWER & PIPE CULVERTS SCHEDULE (CONTINUED)

PIPE NO.	FROM	TO	LENGTH (FT)	DIA (IN)	PIPE TYPE	SLOPE(%)	D.I.	U.I.	TRENCH BACKFILL (CY)
358	388	389	65	18	STORM SEWERS, CLASS A, TYPE 2	1.45%	647.92	648.86	18.3
359	389	390	101	18	STORM SEWERS, CLASS A, TYPE 2	1.50%	648.89	650.41	69.1
360	390	391	19	12	STORM SEWERS, CLASS A, TYPE 2	1.50%	650.45	650.74	4.9
361	390	392	6	12	STORM SEWERS, CLASS A, TYPE 2	1.50%	650.45	650.54	1.5
362	392	393	67	12	STORM SEWERS, CLASS A, TYPE 1	1.50%	650.56	651.57	15.1
363	394	395	18	12	STORM SEWERS, CLASS A, TYPE 1	5.00%	647.63	648.53	2.4
364	396	397	23	12	STORM SEWERS, CLASS A, TYPE 1	5.00%	646.40	647.55	4.0
365	398	399	58	12	STORM SEWERS, CLASS A, TYPE 1	5.00%	646.30	649.14	7.7
366	400	401	46	12	STORM SEWERS, CLASS A, TYPE 1	5.00%	645.43	647.73	6.1
367	402	403	42	12	STORM SEWERS, CLASS A, TYPE 1	2.00%	644.04	644.88	5.5
368	404	405	40	12	STORM SEWERS, CLASS A, TYPE 1	2.00%	640.86	641.66	5.3
369	406	407	38	12	STORM SEWERS, CLASS A, TYPE 1	1.00%	638.30	638.68	5.0
370	408	409	69	66	STORM SEWERS, CLASS A, TYPE 2	2.61%	625.22	627.00	118.8
371	409	410	63	66	STORM SEWERS, CLASS A, TYPE 2	2.61%	627.16	628.78	119.1
372	411	412	45	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	636.65	638.45	5.9
373	413	414	118	24	PIPE CULVERTS, CLASS A, TYPE 1	1.30%	633.63	635.17	161.5
374	415	416	44	12	STORM SEWERS, CLASS A, TYPE 1	3.00%	639.73	641.05	5.8
374A	416A	416B	54	24	PIPE CULVERTS, CLASS D, TYPE 1	0.30%	640.66	640.84	8.5
374B	416C	416D	52	24	PIPE CULVERTS, CLASS D, TYPE 1	0.38%	639.73	641.05	8.5
375	417	418	49	12	STORM SEWERS, CLASS A, TYPE 1	5.00%	641.35	643.80	6.5
376	419	420	42	12	STORM SEWERS, CLASS A, TYPE 1	0.96%	642.05	642.45	6.4
377	420	421	5	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	644.25	644.45	1.0
378	422	423	40	12	STORM SEWERS, CLASS A, TYPE 1	0.57%	641.00	641.23	5.3
379	423	424	5	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	642.63	642.83	1.0
380	425	426	38	12	STORM SEWERS, CLASS A, TYPE 1	0.58%	639.98	640.20	5.0
381	426	427	5	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	640.99	641.19	1.0
382	428	429	35	12	STORM SEWERS, CLASS A, TYPE 1	0.56%	638.95	639.15	4.6
383	429	430	5	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	639.43	639.63	1.0
384	431	432	40	12	STORM SEWERS, CLASS A, TYPE 1	0.96%	636.04	636.41	5.3
385	432	433	5	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	637.82	638.02	1.0
386	434	435	56	24	STORM SEWERS, CLASS A, TYPE 4	1.43%	618.00	618.78	0.0
387	435	436	76	18	STORM SEWERS, CLASS A, TYPE 1	1.00%	632.32	633.25	10.5
388	435	437	56	12	STORM SEWERS, CLASS A, TYPE 1	4.00%	633.01	635.25	8.8
389	437	438	78	12	STORM SEWERS, CLASS A, TYPE 1	0.80%	635.30	635.92	21.7
392	441	442	95	12	PIPE CULVERTS, CLASS D, TYPE 2	4.23%	722.54	726.50	12.5
393	443	444	82	24	PIPE CULVERTS, CLASS A, TYPE 2	0.67%	709.41	709.96	119.4
394	445	446	43	24	PIPE CULVERTS, CLASS D, TYPE 1	0.30%	709.73	709.86	4.9
395	447	448	57	12	PIPE CULVERTS, CLASS D, TYPE 1	0.30%	711.14	711.30	61.6
396	449	450	165	30	PIPE CULVERTS, CLASS A, TYPE 5	2.86%	705.17	709.89	545.9
397	451	452	68	45X29	PIPE CULVERTS, CLASS A, TYPE 1	0.60%	644.52	644.93	21.8
398	453	454	68	45X29	PIPE CULVERTS, CLASS A, TYPE 1	0.60%	644.52	644.93	21.8
399	455	456	14	12	STORM SEWERS, CLASS A, TYPE 2	2.00%	645.75	646.15	1.8
400	456	457	51	12	STORM SEWERS, CLASS A, TYPE 1	2.00%	646.96	647.98	14.2
401	458	459	17	12	STORM SEWERS, CLASS A, TYPE 1	0.57%	649.18	649.28	2.2
402	459	460	52	12	STORM SEWERS, CLASS A, TYPE 1	1.50%	649.31	650.09	15.5
403	461	462	70	12	PIPE CULVERTS, CLASS A, TYPE 1	1.04%	649.81	650.54	16.5
404	464	463	11	12	STORM SEWERS, CLASS A, TYPE 1	0.30%	566.32	566.35	1.5
405	RISER	464	51	6	PIPE DRAINS	0.30%	566.35	566.50	0.0
406	BRIDGE	465	38	12	PIPE DRAINS	1.00%	568.00	568.32	0.0
407	BRIDGE	466	34	12	PIPE DRAINS	1.00%	568.00	568.28	0.0
408	BRIDGE	468	42	12	PIPE DRAINS	1.00%	568.00	568.27	0.0
409	BRIDGE	467	39	12	PIPE DRAINS	1.00%	568.00	568.23	0.0
500 *	500	501	45	24	PIPE CULVERTS, CLASS D, TYPE 1	1.96%	738.00	739.00	4.9
501 *	502	503	91	24	PIPE CULVERTS, CLASS A, TYPE 1	2.91%	738.00	741.00	16.4
502 *	504	505	54	24	PIPE CULVERTS, CLASS D, TYPE 1	0.50%	641.33	641.63	6.2
NOTE: PIPE INVERTS PROVIDED REPRESENT WHERE THE PIPE MEETS THE END SECTION WHERE APPLICABLE.									TOTAL
									3,036

* SEE CUL-DE-SAC INTERSECTION PAVEMENT ELEVATION PLAN FOR MORE INFORMATION

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JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfoeller	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	105
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

PROPOSED DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STRUCTURE TYPE	ROADWAY	STATION	OFFSET	RIM ELEV	INVERT (N)	INVERT (E)	INVERT (S)	INVERT (W)
300	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	241+50.00	38.0' R	-	-	761.20	-	-
301	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	241+50.00	40.0' L	-	-	-	-	761.70
302	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	ELDAMAIN ROAD	247+11.79	40.0' R	-	-	751.74	-	-
303	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	ELDAMAIN ROAD	247+14.63	40.0' R	-	-	751.74	-	-
304	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	259+00.00	44.0' R	-	-	768.93	-	-
305	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	259+72.00	52.5' L	-	-	-	765.32	-
306	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	260+28.00	49.5' L	-	765.08	-	-	-
306A	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	259+75.00	48.0' R	-	-	-	767.03	-
306B	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	260+30.00	50.0' R	-	766.28	-	-	-
307	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	259+00.00	8.6' R	773.00	-	770.68	-	-
308	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	ELDAMAIN ROAD	271+10.15	58.9' R	-	-	740.02	-	-
309	MANHOLES - TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	ELDAMAIN ROAD	271+00.00	40.0' R	746.73	-	740.20	741.85	742.87
310	MANHOLES - TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	ELDAMAIN ROAD	268+50.00	39' R	758.28	753.90	-	753.90	753.90
311	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	ELDAMAIN ROAD	267+75.00	51.0' R	-	757.56	-	-	-
312	MANHOLES - TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	ELDAMAIN ROAD	270+75.00	3.3' L	752.08	-	744.71	746.71	-
313	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	270+00.00	9.0' L	755.57	749.59	-	-	-
314	MANHOLES - TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	ELDAMAIN ROAD	268+50.00	2.3' L	762.19	-	755.70	-	-
315	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	274+00.00	58.0' R	-	-	727.24	-	-
316	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	274+00.00	9.0' L	737.57	-	730.39	733.22	-
317	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	272+00.00	9.0' L	746.57	743.12	-	-	-
318	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	276+50.00	62.7' R	-	-	714.42	-	-
319	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	276+50.00	0.0' R	726.21	-	717.46	-	722.65
320	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	276+50.00	9.0' L	726.33	-	722.90	-	-
321	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	278+50.00	63.7' R	-	-	705.35	-	-
322	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	278+50.00	0.0' R	717.21	-	708.44	-	713.68
323	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	278+50.00	9.0' L	717.33	-	713.93	-	-
324	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	280+50.00	60.6' R	-	-	697.40	-	-
325	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	280+50.00	0.0' R	708.45	-	700.35	-	-
326	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	285+00.00	59.7' R	-	-	683.60	-	-
327	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	285+00.00	0.0' R	691.79	-	684.16	-	-
328	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	286+35.00	60.0' L	-	681.90	-	-	-
329	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	285+65.00	60.0' L	-	-	-	682.64	-
330	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	ELDAMAIN ROAD	289+50.00	50.0' L	-	-	-	-	680.00
331	MANHOLES - TYPE A, 8' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	289+50.00	0.0' R	687.92	-	680.17	-	680.13
332	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	ELDAMAIN ROAD	289+50.00	50.0' R	-	-	680.30	-	-
333	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	294+50.00	46.7' L	-	-	-	-	680.46
334	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	294+50.00	0.0' R	685.40	-	-	-	681.43
335	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 45X29"	ELDAMAIN ROAD	297+74.00	49.0' L	-	-	-	-	677.99
336	MANHOLES - TYPE A, 7' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	297+74.00	0.0' R	683.76	-	678.18	-	678.09
337	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 45X29"	ELDAMAIN ROAD	297+74.00	49.0' R	-	-	678.28	-	-
338	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	302+50.00	44.7' L	-	-	-	-	676.53
339	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	302+50.00	0.0' R	681.00	-	-	-	677.05
340	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	307+50.00	47.0' L	-	-	-	-	672.53
341	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	307+50.00	0.0' R	677.75	-	672.71	-	672.63
342	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	307+50.00	47.0' R	-	-	672.81	-	-
343	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	312+50.00	43.2' L	-	-	-	-	670.42
344	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	312+50.00	0.0' R	674.51	-	-	-	670.69
345	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30X19"	ELDAMAIN ROAD	315+44.00	47.0' L	-	-	-	-	668.02
346	MANHOLES - TYPE A, 5' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	315+44.00	0.0' R	672.97	-	668.25	-	668.15
347	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30X19"	ELDAMAIN ROAD	315+44.00	47.0' R	-	-	668.38	-	-
348	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30X19"	ELDAMAIN ROAD	315+50.00	47.0' L	-	-	-	-	668.02
349	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30X19"	ELDAMAIN ROAD	315+50.00	47.0' R	-	-	668.38	-	-
350	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	318+00.00	44.0' L	-	-	-	-	670.17
351	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	318+00.00	0.0' R	674.41	-	-	-	670.46
352	METAL FLARED END SECTIONS 18"	ELDAMAIN ROAD	319+38.00	45.0' R	-	-	-	671.32	-
353	METAL FLARED END SECTIONS 18"	ELDAMAIN ROAD	319+98.00	45.0' R	-	671.73	-	-	-
354	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	323+00.00	43.9' L	-	-	-	-	673.87
355	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	323+00.00	0.0' R	678.10	-	-	-	674.18
356	METAL FLARED END SECTIONS 15"	ELDAMAIN ROAD	324+79.00	45.0' L	-	-	-	675.19	-
357	METAL FLARED END SECTIONS 15"	ELDAMAIN ROAD	325+29.00	45.0' L	-	675.56	-	-	-
358	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	329+00.00	45.1' L	-	-	-	-	671.40
359	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	329+00.00	0.0' R	675.93	-	-	-	671.90
360	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	333+00.00	48.5' L	-	-	-	-	662.46
361	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	333+00.00	0.0' R	667.86	-	-	-	663.84
362	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	337+00.00	60.2' L	-	-	-	-	657.44
363	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	337+00.00	1.4' R	665.75	-	-	-	658.02
363A	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	337+60.00	65.0' R	-	-	-	658.14	-
363B	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	338+70.00	70.0' R	-	657.16	-	-	-
364	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	339+97.00	59.0' L	-	656.55	-	-	-
365	METAL FLARED END SECTIONS 24"	ELDAMAIN ROAD	339+37.00	59.0' L	-	-	-	656.73	-
366	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	ELDAMAIN ROAD	350+00.00	50.0' L	-	-	-	-	652.27
367	MANHOLES - TYPE A, 8' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	350+00.00	0.0' R	658.92	-	652.91	652.81	652.71
368	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	350+00.00	48.0' R	-	-	653.07	-	-
369	MANHOLES - TYPE A, 5' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	348+00.00	0.0' R	660.12	653.40	-	653.50	-

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 8/17/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	106
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

PROPOSED DRAINAGE STRUCTURE SCHEDULE (CONTINUED)

STRUCTURE NO.	STRUCTURE TYPE	ROADWAY	STATION	OFFSET	RIM ELEV	INVERT (N)	INVERT (E)	INVERT (S)	INVERT (W)
370	MANHOLES - TYPE A, 5' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	345+50.00	0.0' R	661.57	654.23		654.33	
371	MANHOLES - TYPE A, 6' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	342+00.00	0.9' R	663.25	655.37	655.62		655.62
372	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	342+00.00	56.0' L	-				655.94
373	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	ELDAMAIN ROAD	341+90.00	54.9' R	-		656.20		
374	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	ELDAMAIN ROAD	342+00.00	56.0' R	-			656.40	
375	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	ELDAMAIN ROAD	342+90.00	71.1' R	-			657.85	
376	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	344+30.00	53.0' L	-	655.87			
377	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	343+70.00	53.0' L	-			656.25	
378	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	RAB S-L	1105+93.35	45.0' L	-				650.75
379	INLETS - TYPE A, TYPE 8 GRATE	RAB S-L	1105+93.35	9.0' R	657.42				653.40
380	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	RAB S-L	1108+50.00	49.4' L	-				648.88
381	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	RAB S-L	1108+50.00	16.0' L	655.58		649.19	651.42	649.15
382	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB S-L	1108+40.00	16.0' L	655.56	651.56			
383	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	RAB S-L	1108+50.00	5.8' R	656.00	650.16	649.36		649.35
384	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB S-R	2109+11.00	12.0' L	656.48			651.46	
385	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	RAB S-R	2108+46.00	17.2' R	655.53	650.60	649.55		649.53
386	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB S-R	2108+56.00	17.6' R	655.59			650.74	
387	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	RAB S-R	2108+46.00	46.5' R	-		649.79		
388	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	RAB W-R	2203+03.80	55.7' R	-				647.83
389	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	RAB W-R	2203+03.80	17.1' L	655.96		648.89		648.86
390	MANHOLES - TYPE A, 4' DIAMETER, WITH SPECIAL FRAME AND GRATE	RAB N-R	1300+56.13	9.9' L	654.76	650.45	650.45		650.41
391	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB N-R	1300+83.43	13.1' L	654.90			650.74	
392	MANHOLES - TYPE A, 4' DIAMETER, WITH SPECIAL FRAME AND GRATE	RAB N-R	1300+57.00	0.0' R	654.65		650.56		650.54
393	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB E-L	2400+82.74	12.0' R	655.43	651.57			
394	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	RAB N-R	1302+31.40	46.8' R	-		647.33		
395	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB N-R	1302+34.60	21.6' R	653.10		648.53		
396	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	RAB N-L	2302+31.50	51.7' L	-				646.10
397	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	RAB N-L	2302+36.74	21.2' L	653.11				647.55
398	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	RAB N-L	2302+85.65	50.6' L	-				645.94
399	INLETS - TYPE A, TYPE 8 GRATE	RAB N-L	2302+94.15	14.1' R	653.30				649.14
400	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	362+00.00	53.0' L	-				645.13
401	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	362+00.00	0.0' R	651.72				647.73
402	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	365+62.00	48.0' L	-				643.92
403	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	365+62.00	0.0' R	649.55				644.88
404	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	372+00.00	46.9' L	-				640.74
405	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	372+00.00	0.0' R	645.72				641.66
406	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	377+00.00	44.8' L	-				638.24
407	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	377+00.00	0.0' R	642.72				638.68
408	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 66"	ELDAMAIN ROAD	379+62.00	80.0' L	-				625.00
409	MANHOLES - TYPE A, 8' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	379+53.00	0.0' R	641.50		627.16		627.00
410	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 66"	ELDAMAIN ROAD	379+27.00	70.0' R	-		629.00		
411	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	382+00.00	51.8' L	-				636.41
412	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	382+00.00	0.0' R	642.62				638.45
413	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	384+14.17	67.0' L	-				633.55
414	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	383+87.40	60.0' R	-		635.25		
415	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	387+00.00	50.4' L	-				639.55
416	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	387+00.00	0.0' R	645.42				641.05
416A	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	390+70.00	55.0' L	-			640.66	
416B	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	391+30.00	56.0' L	-	640.84			
416C	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	390+70.00	50.0' R	-			641.95	
416D	METAL FLARED END SECTIONS 12"	ELDAMAIN ROAD	391+28.00	50.5' R	-	642.17			
417	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	392+00.00	55.6' L	-				641.05
418	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	392+00.00	0.0' R	648.22				643.80
419	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	396+50.00	49.8' L	-				641.99
420	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	396+50.00	0.0' R	647.78		644.25		642.45
421	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	396+50.00	9.0' R	647.90				644.45
422	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	398+50.00	47.5' L	-				640.97
423	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	398+50.00	0.0' R	646.18		642.63		641.23
424	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	398+50.00	9.0' R	646.30				642.83
425	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	400+50.00	45.2' L	-				639.94
426	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	400+50.00	0.0' R	644.58		640.99		640.20
427	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	400+50.00	9.0' R	644.70				641.19
428	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	402+50.00	42.9' L	-				638.92
429	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	402+50.00	0.0' R	642.98		639.43		639.15
430	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	402+50.00	9.0' R	643.10				639.63
431	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	ELDAMAIN ROAD	404+50.00	47.7' L	-				635.97
432	MANHOLES - TYPE A, 4' DIAMETER, TYPE 8 GRATE	ELDAMAIN ROAD	404+50.00	0.0' R	641.38		637.82		636.41
433	INLETS - TYPE A, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	404+50.00	8.4' R	641.50				638.02
434	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	ELDAMAIN ROAD	407+25.00	97.1' L	-				618.00
435	MANHOLES - TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	ELDAMAIN ROAD	407+25.00	33.4' L	637.25		632.42	633.01	618.78
436	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	ELDAMAIN ROAD	407+25.00	50.4' R	-		633.25		
437	MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	ELDAMAIN ROAD	406+80.00	4.2' R	639.66	635.25		635.30	
438	INLETS - TYPE A, TYPE 8 GRATE	ELDAMAIN ROAD	406+00.00	0.0' R	640.40	635.92			
441	METAL FLARED END SECTIONS 12"	BUDD ROAD	22+64.00	31.0' L	-		722.47		
442	METAL FLARED END SECTIONS 12"	BUDD ROAD	21+67.00	20.0' L	-				726.57
443	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	BUDD ROAD	25+00.00	47.0' L	-	709.37			

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT DATE = 8/17/2020

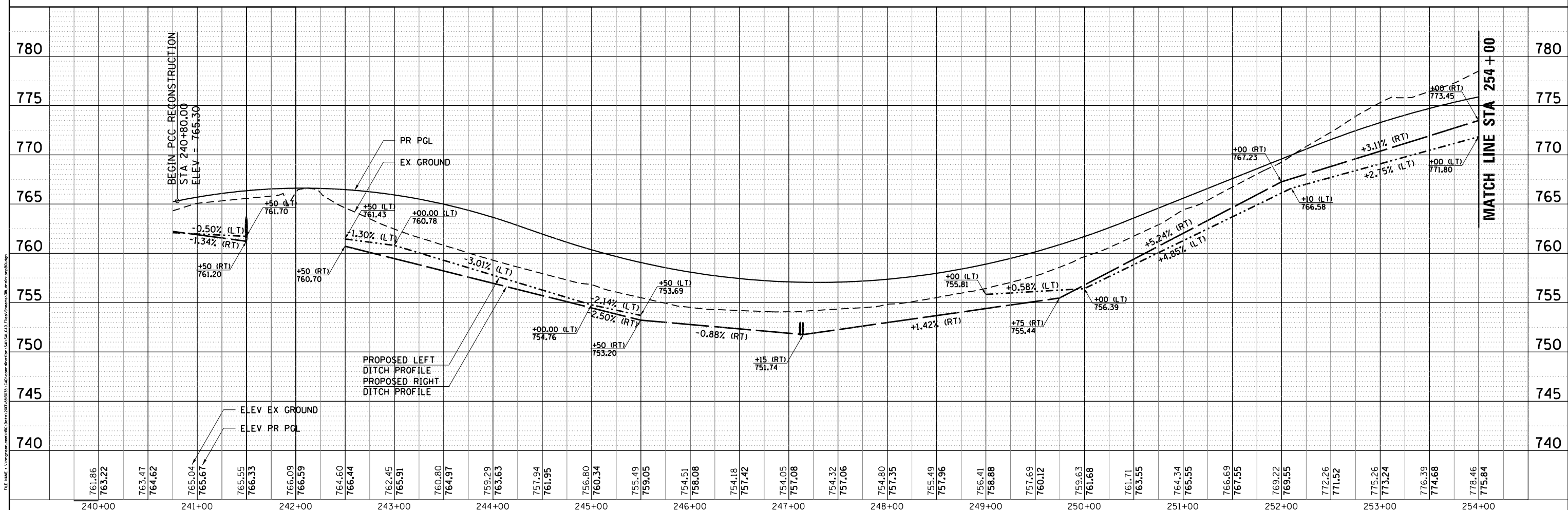
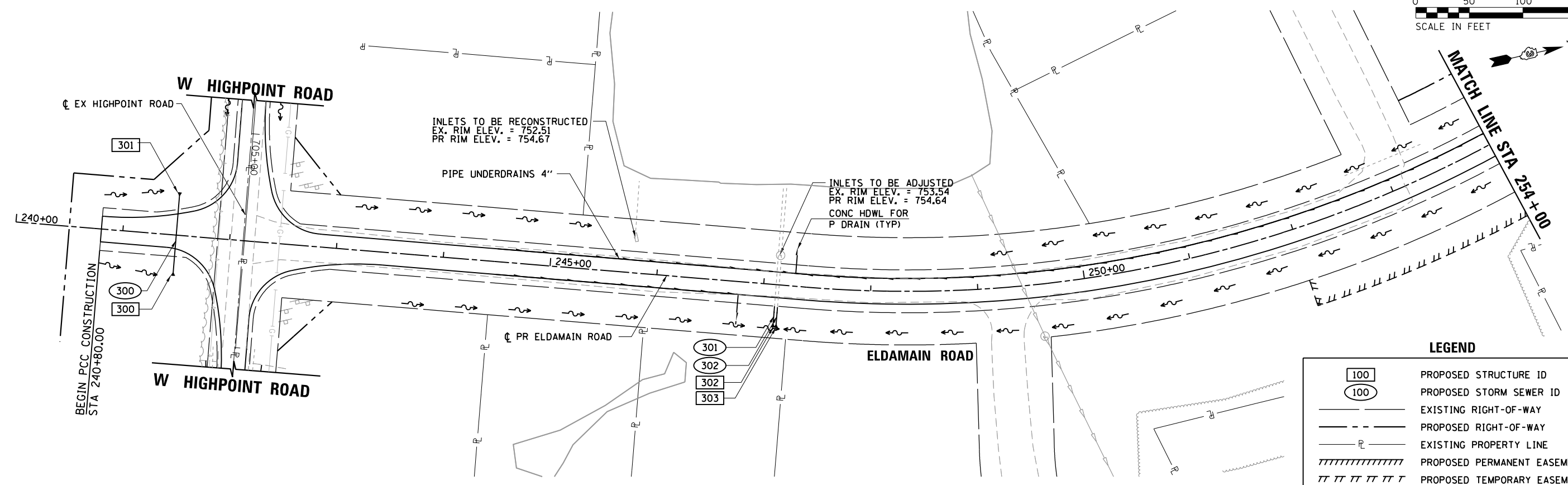
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	107
CONTRACT NO. 87731			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES®
(815) 744-4200

USER NAME = mfeiler
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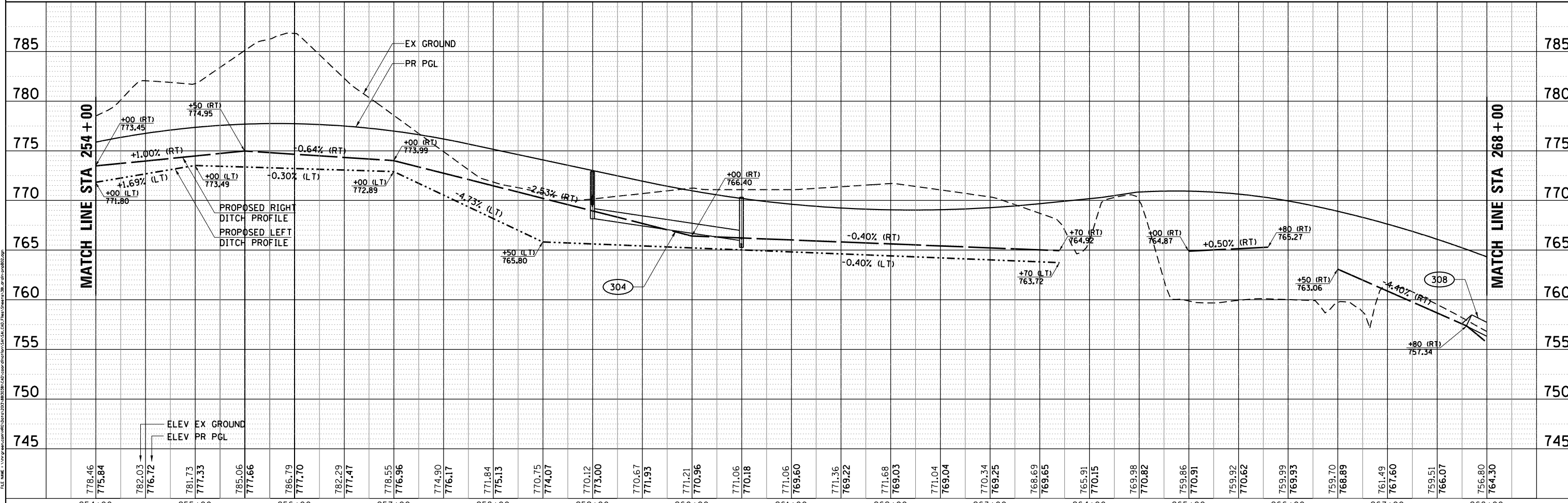
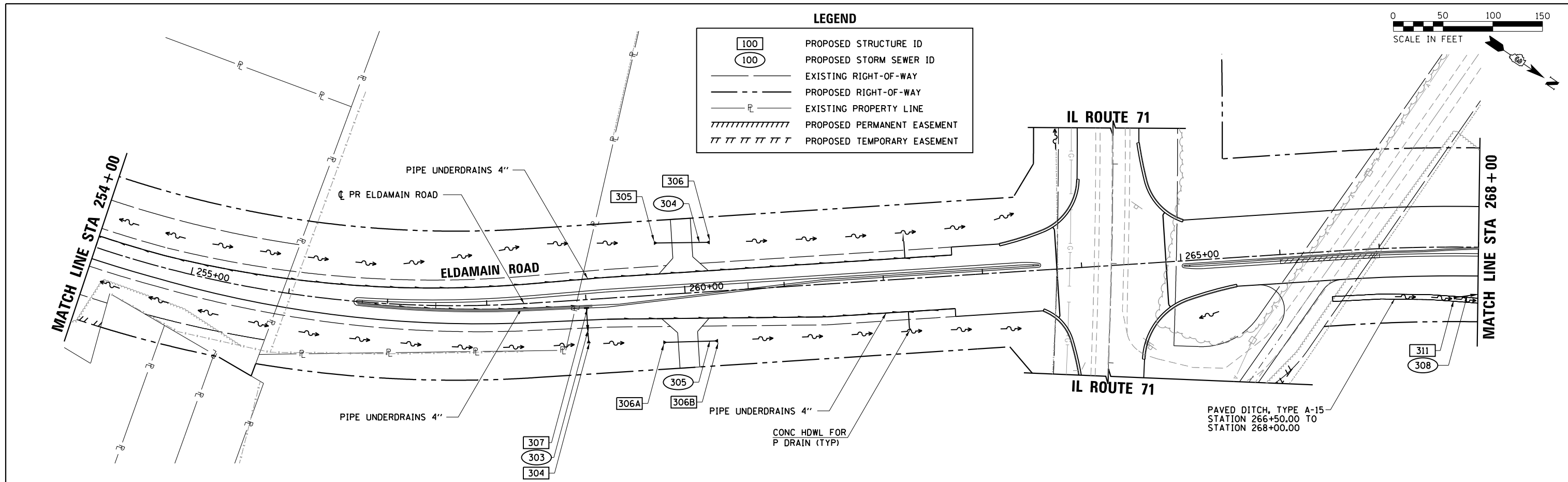
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 240 + 80 TO 254 + 00

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	109
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



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254+00	255+00	256+00	257+00	258+00	259+00	260+00	261+00	262+00	263+00	264+00	265+00	266+00	267+00	268+00																																									

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
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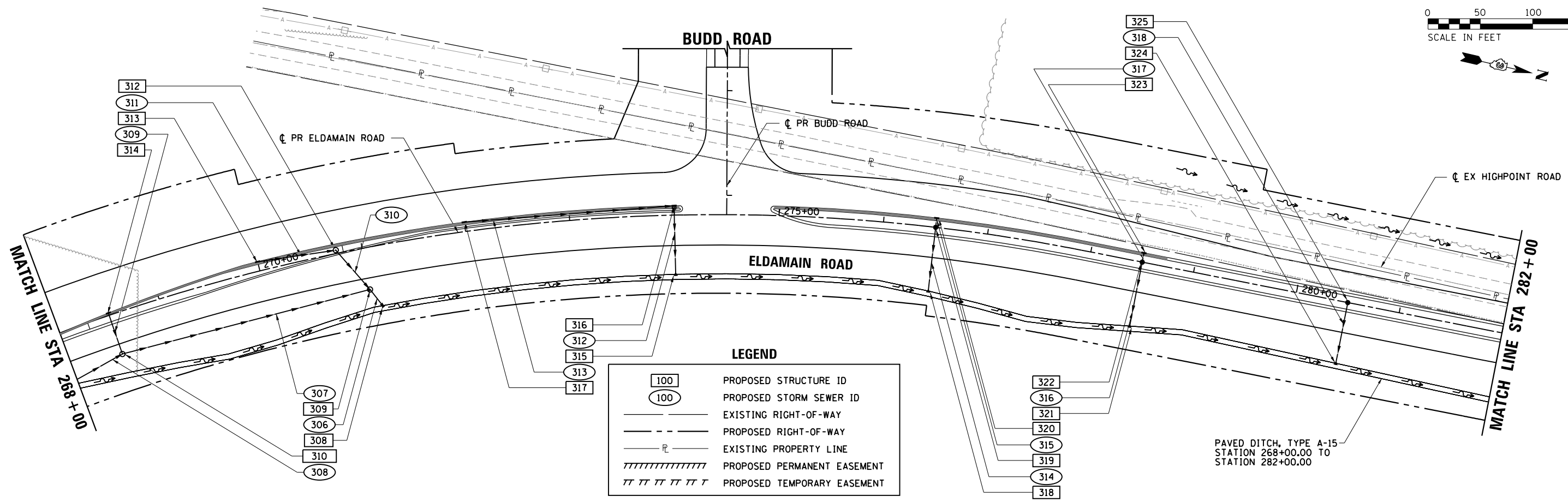
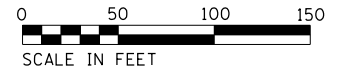
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 254+00 TO 268+00**

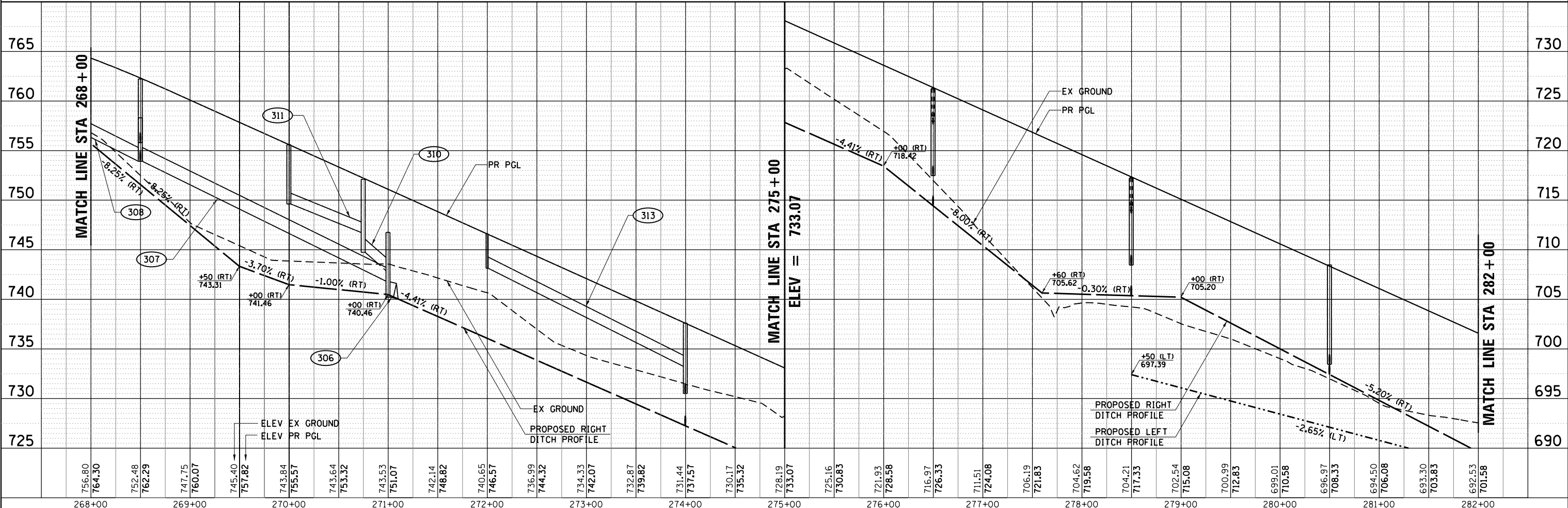
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F.A.U./F.A.S. SECTION NO. COUNTY TOTAL SHEETS SHEET NO.
4000/275 19-00153-00-BR KENDALL 485 110
CONTRACT NO. 87731
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
---	EXISTING RIGHT-OF-WAY
- - -	PROPOSED RIGHT-OF-WAY
-P-	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
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PLOT DATE = 8/17/2020

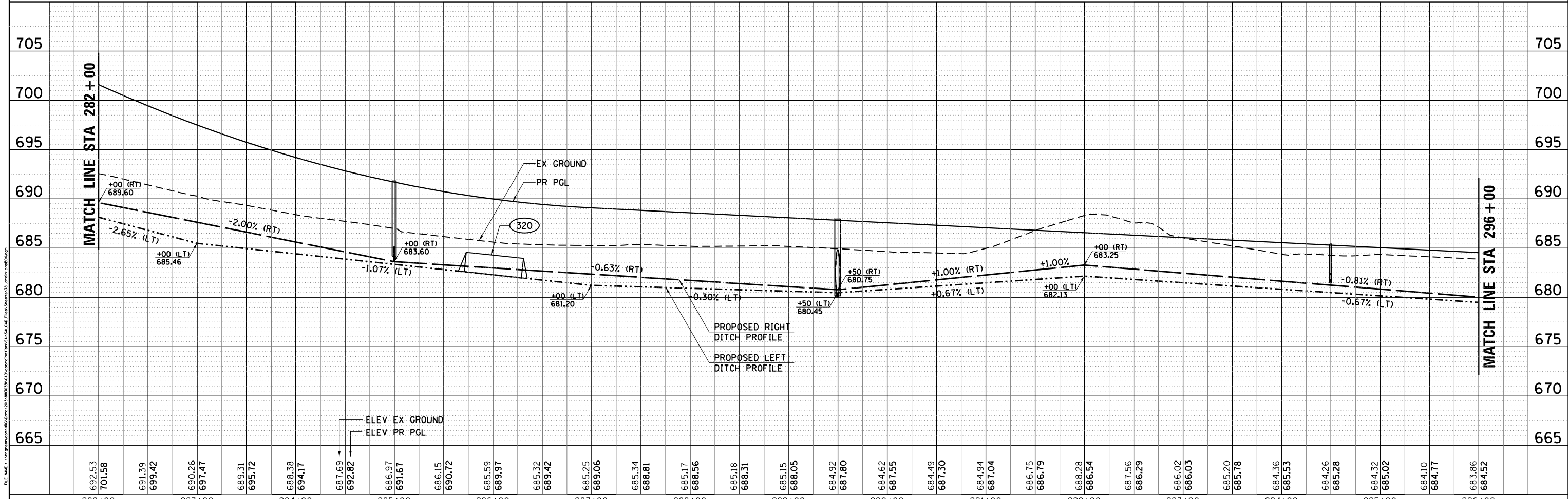
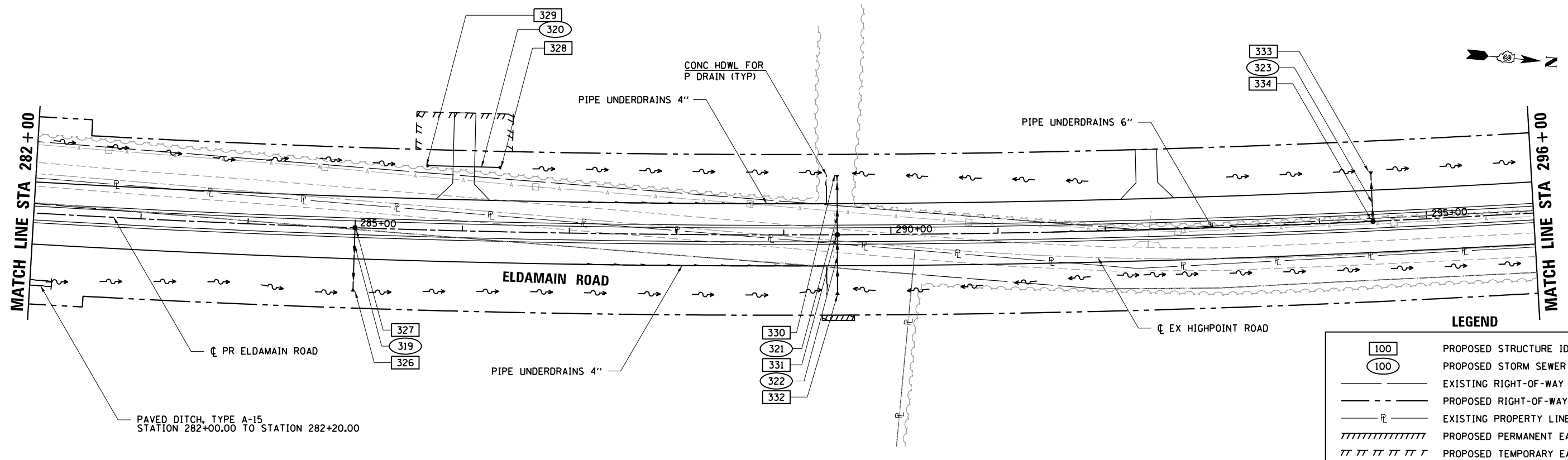
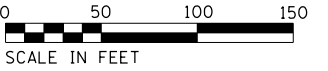
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDMAN ROAD
STA. 268 + 00 TO 282 + 00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	111
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



692.53	701.58	691.39	699.42	690.26	697.47	689.31	695.72	688.38	694.17	687.69	692.82	686.97	691.67	686.15	690.72	685.59	689.97	685.32	689.42	685.25	689.06	685.34	688.81	685.17	688.56	685.18	688.31	685.15	688.05	684.92	687.80	684.62	687.55	684.49	687.30	684.94	687.04	686.75	686.79	686.28	686.54	687.56	686.29	686.02	686.03	685.20	685.78	684.36	685.53	684.26	685.28	684.32	685.02	684.10	684.77	683.86	684.52
282+00	283+00	284+00	285+00	286+00	287+00	288+00	289+00	290+00	291+00	292+00	293+00	294+00	295+00	296+00																																											

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -
PLOT SCALE = 100.00' / 1" =
PLOT DATE = 8/17/2020

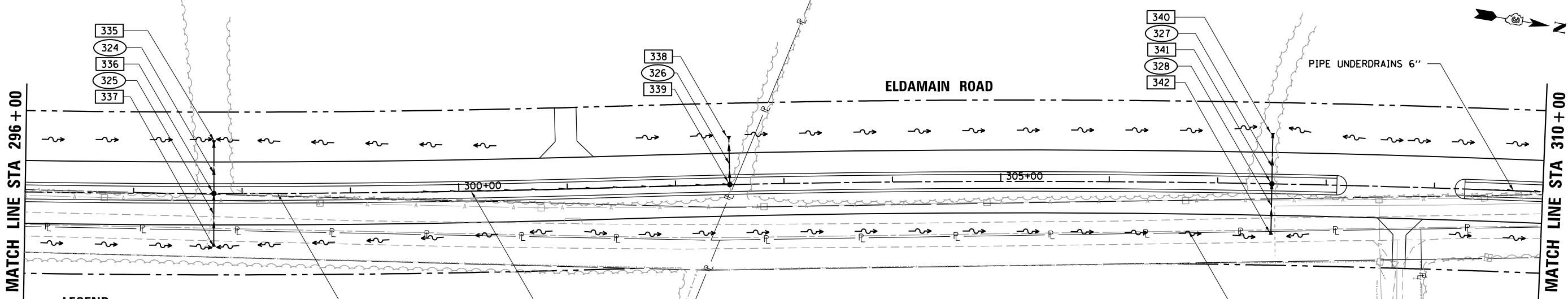
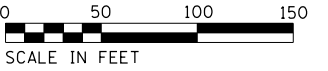
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 282 + 00 TO 296 + 00

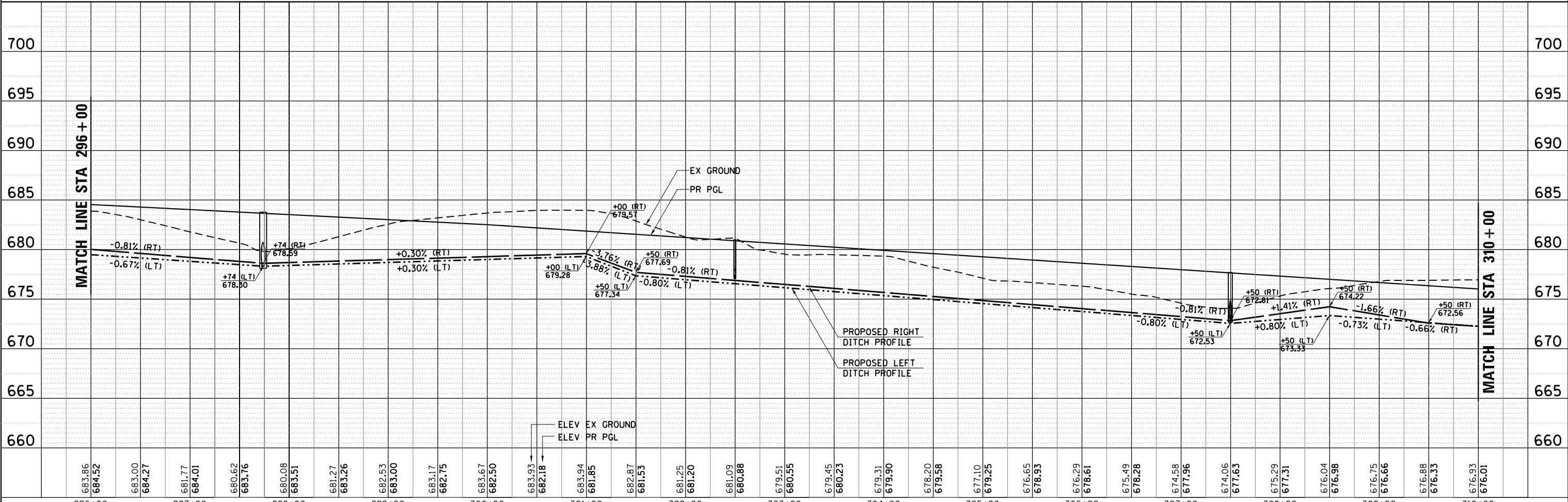
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. SECTION NO. COUNTY TOTAL SHEETS SHEET NO.
4000/275 19-00153-00-BR KENDALL 485 112
CONTRACT NO. 87731
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT

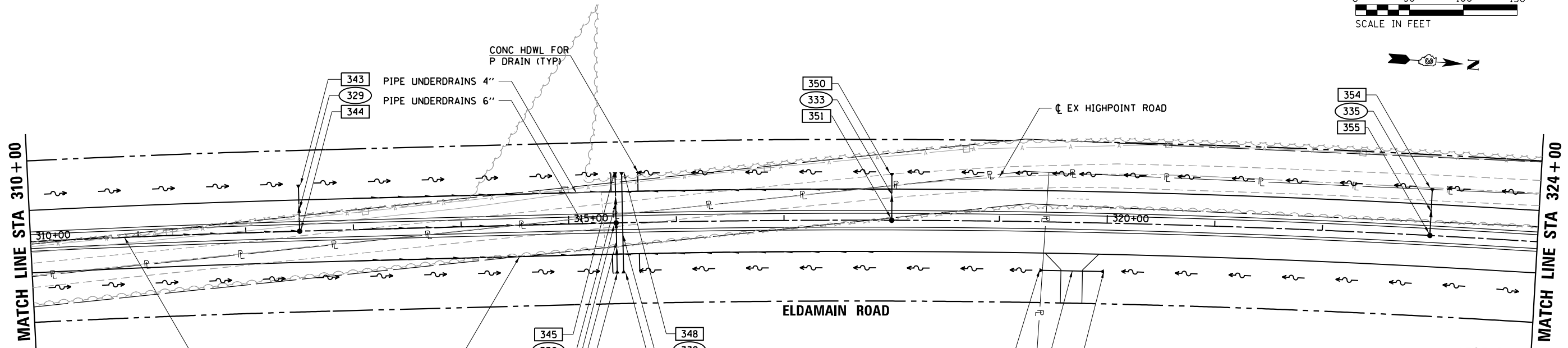


LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT

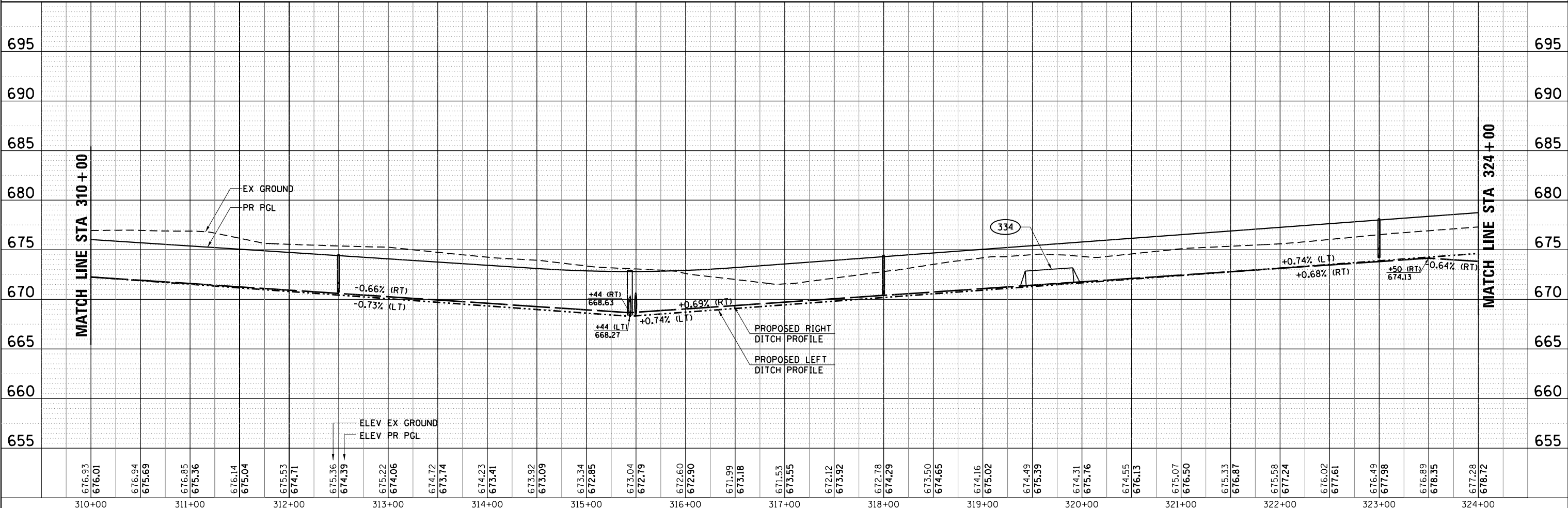


 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = mfaller	DESIGNED - MAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN & PROFILE ELDAMAIN ROAD STA. 296+00 TO 310+00	F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.00' / 1"	CHECKED - BMA	REVISED -			REVISED -	4000/275	19-00153-00-BR	KENDALL	485
PLOT DATE = 8/17/2020	DATE -	REVISED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
---	EXISTING RIGHT-OF-WAY
- - -	PROPOSED RIGHT-OF-WAY
- P -	EXISTING PROPERTY LINE
////	PROPOSED PERMANENT EASEMENT
TT TT TT TT TT	PROPOSED TEMPORARY EASEMENT



676.93 676.01	676.94 675.69	676.85 675.36	676.14 675.04	675.53 674.71	675.36 674.39	675.22 674.06	674.72 673.74	674.23 673.41	673.92 673.09	673.34 672.85	673.04 672.79	672.60 672.90	671.99 673.18	671.53 673.55	672.12 673.92	672.78 674.29	673.50 674.65	674.16 675.02	674.49 675.39	674.31 675.76	674.55 676.13	675.07 676.50	675.33 676.87	675.58 677.24	676.02 677.61	676.49 677.98	676.89 678.35	677.28 678.72	
310+00	311+00	312+00	313+00	314+00	315+00	316+00	317+00	318+00	319+00	320+00	321+00	322+00	323+00	324+00															

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

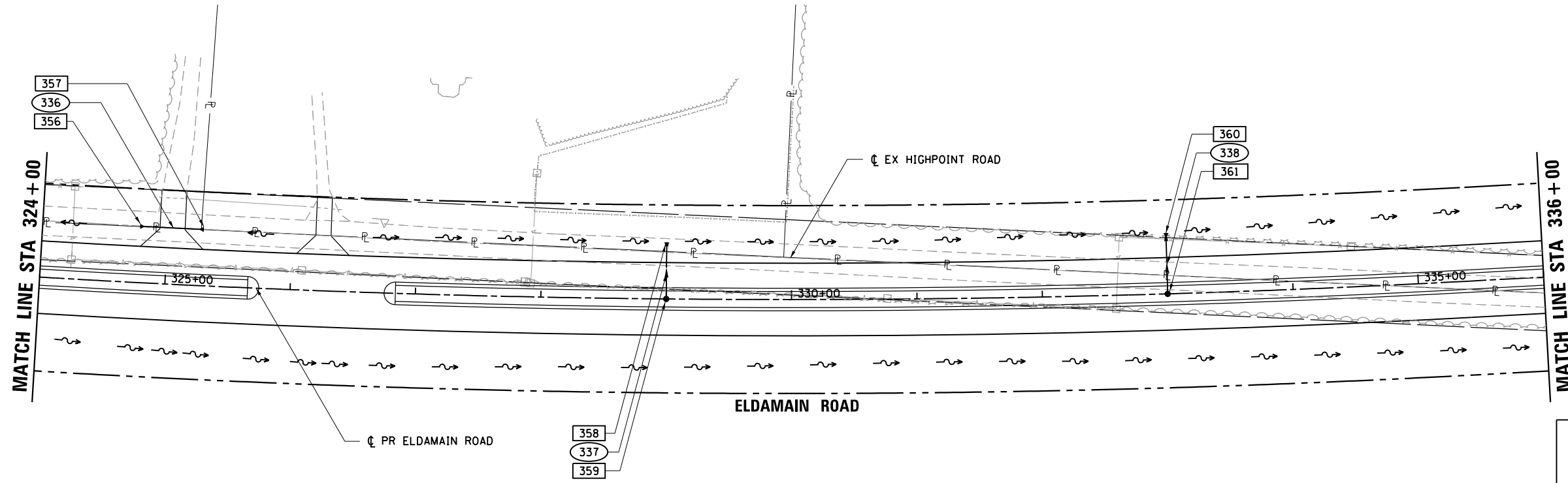
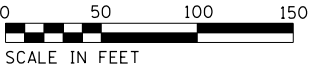
USER NAME = mfeiler	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / 1"	DRAWN - DJW	REVISED -
DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 310+00 TO 324+00**

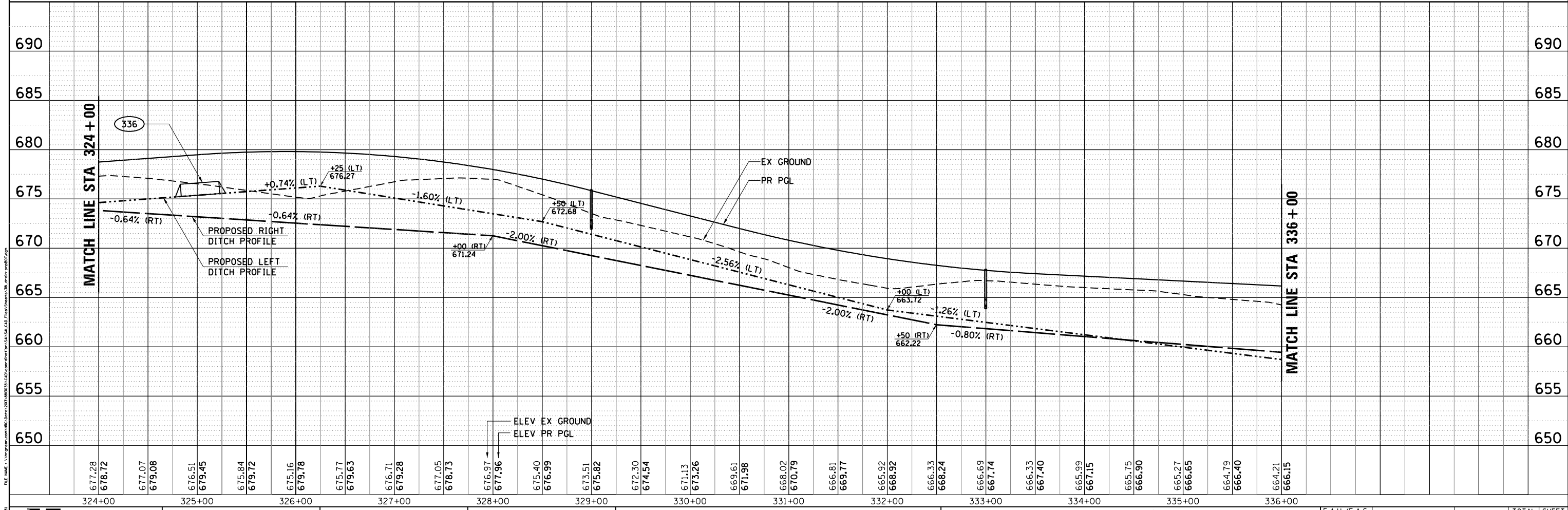
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE. 4000/275	SECTION NO. 19-00153-00-BR	COUNTY KENDALL	TOTAL SHEETS 485	SHEET NO. 114
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
—	EXISTING RIGHT-OF-WAY
- - -	PROPOSED RIGHT-OF-WAY
— P —	EXISTING PROPERTY LINE
////	PROPOSED PERMANENT EASEMENT
TTTTTTTT	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES[®]
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

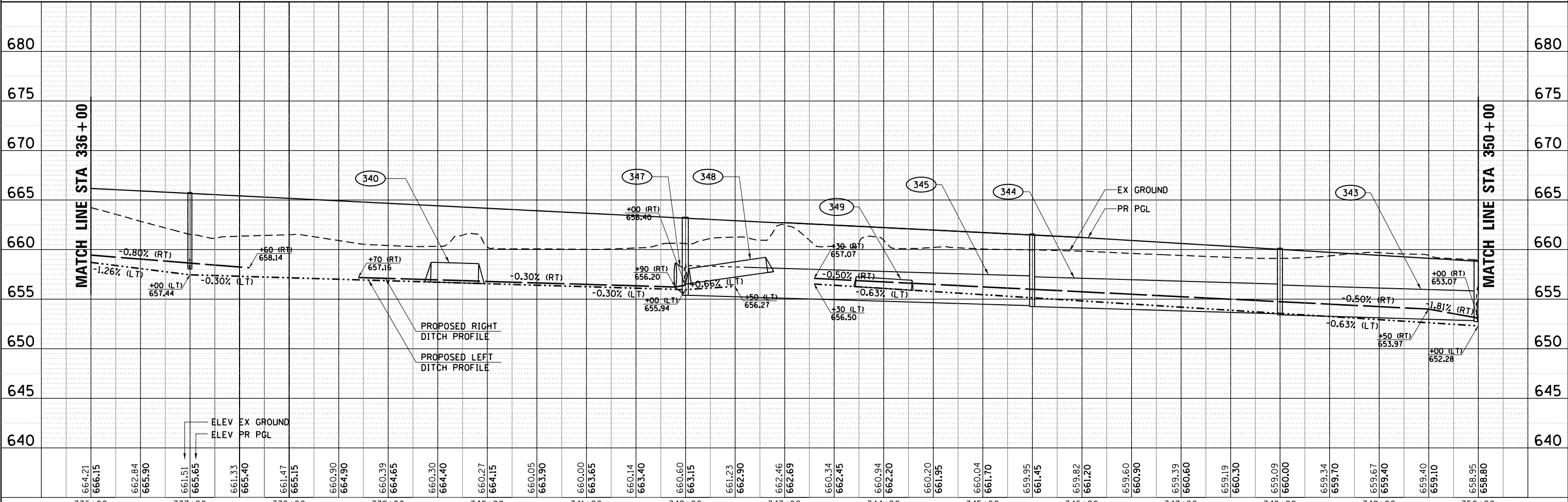
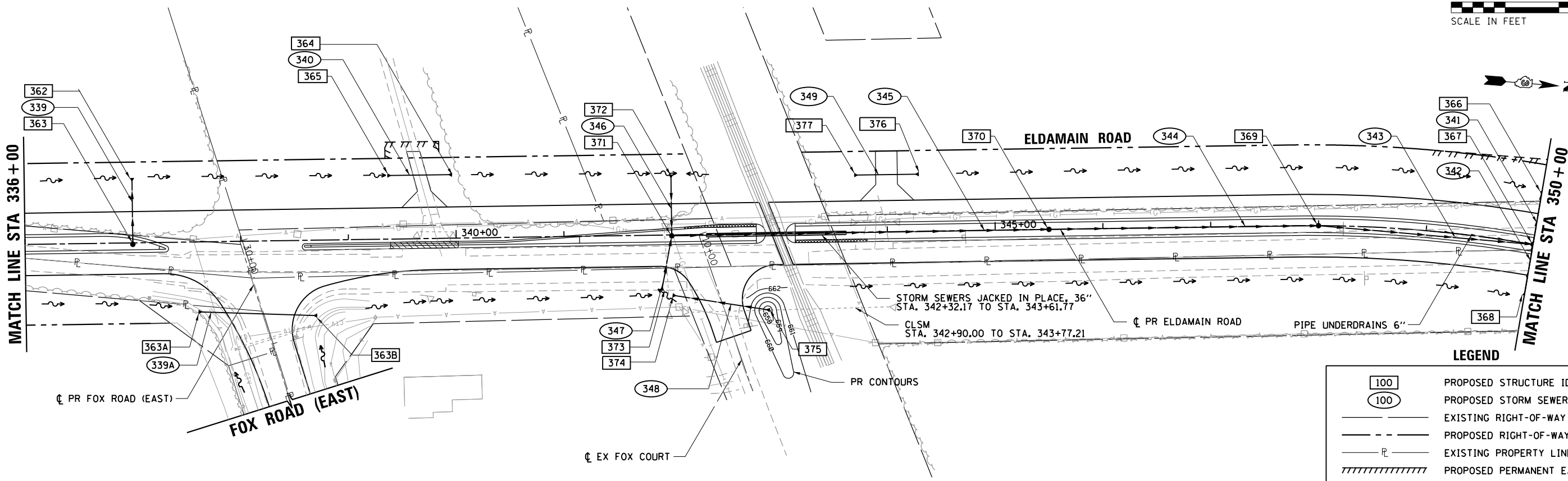
USER NAME = mfeiler	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
 ELDAMAIN ROAD
 STA. 324+00 TO 336+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	115
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



664.21	666.15	662.84	665.90	661.51	665.65	661.33	665.40	661.47	665.15	660.90	664.90	660.39	664.65	660.30	664.40	660.27	664.15	660.05	663.90	660.00	663.65	660.14	663.40	660.60	663.15	661.23	662.90	662.46	662.69	660.34	662.45	660.94	662.20	660.20	661.95	660.04	661.70	659.95	661.45	659.82	661.20	659.60	660.90	659.39	660.60	659.19	660.30	659.09	660.00	659.34	659.70	659.67	659.40	659.40	659.10	658.95	658.80
336+00	337+00	338+00	339+00	340+00	341+00	342+00	343+00	344+00	345+00	346+00	347+00	348+00	349+00	350+00																																											

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -
PLOT SCALE = 100.00' / 1" =
PLOT DATE = 8/17/2020

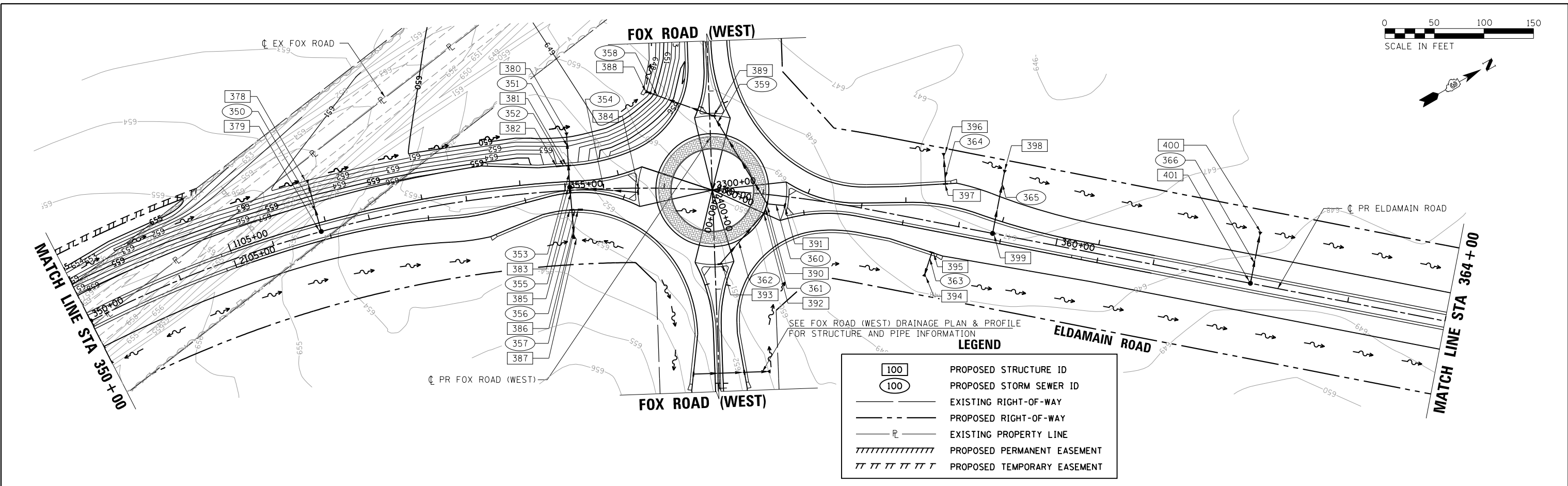
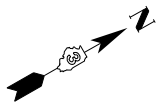
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 336+00 TO 350+00

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. SECTION NO. COUNTY TOTAL SHEETS SHEET NO.
RTE. 4000/275 19-00153-00-BR KENDALL 485 116
CONTRACT NO. 87731
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



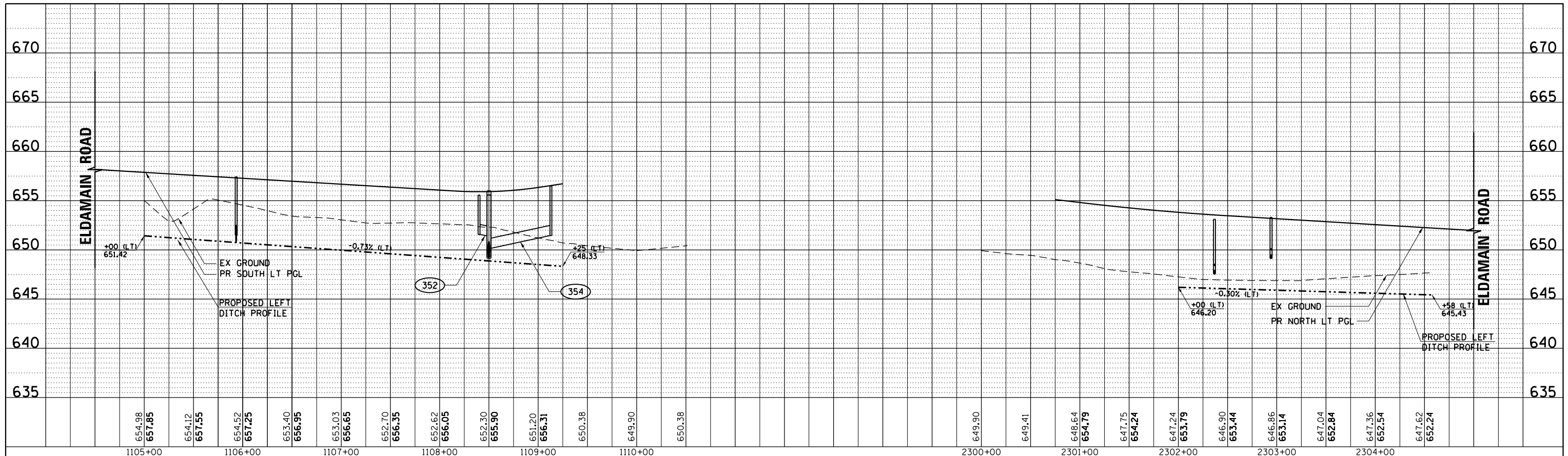
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES® (815) 744-4200

USER NAME = mfaller	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 350 + 00 TO 364 + 00**

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	117
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

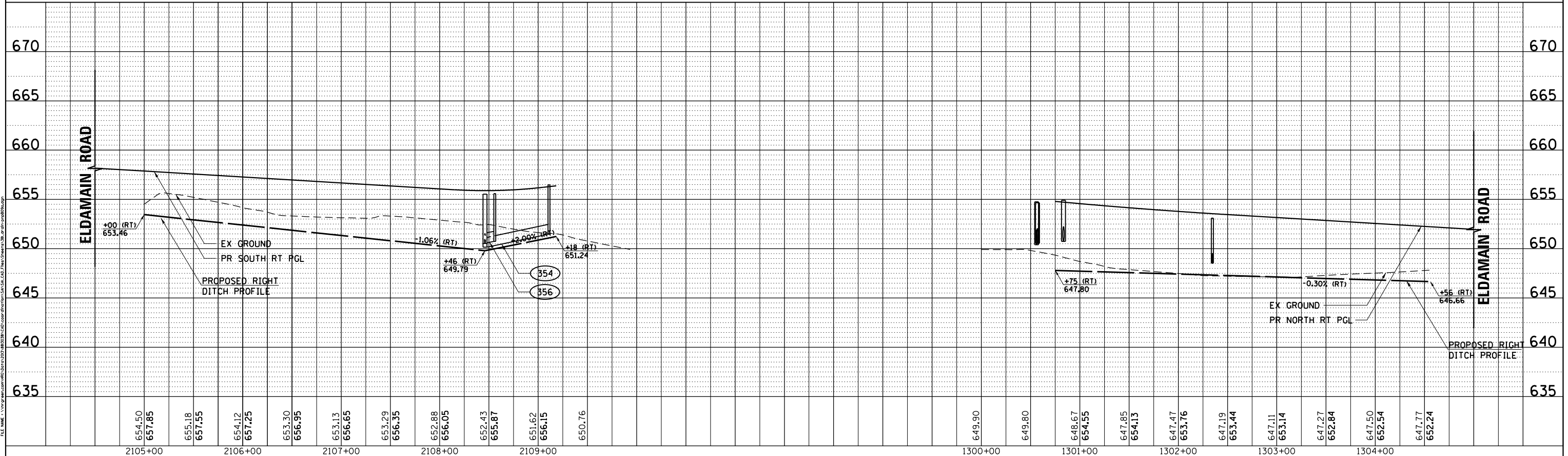


SOUTH LT PGL - ELDAMAIN ROAD

NORTH LT PGL - ELDAMAIN ROAD

SOUTH RT PGL - ELDAMAIN ROAD

NORTH RT PGL - ELDAMAIN ROAD



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
PLOT SCALE = 100.0000' / 1" =
PLOT DATE = 8/17/2020

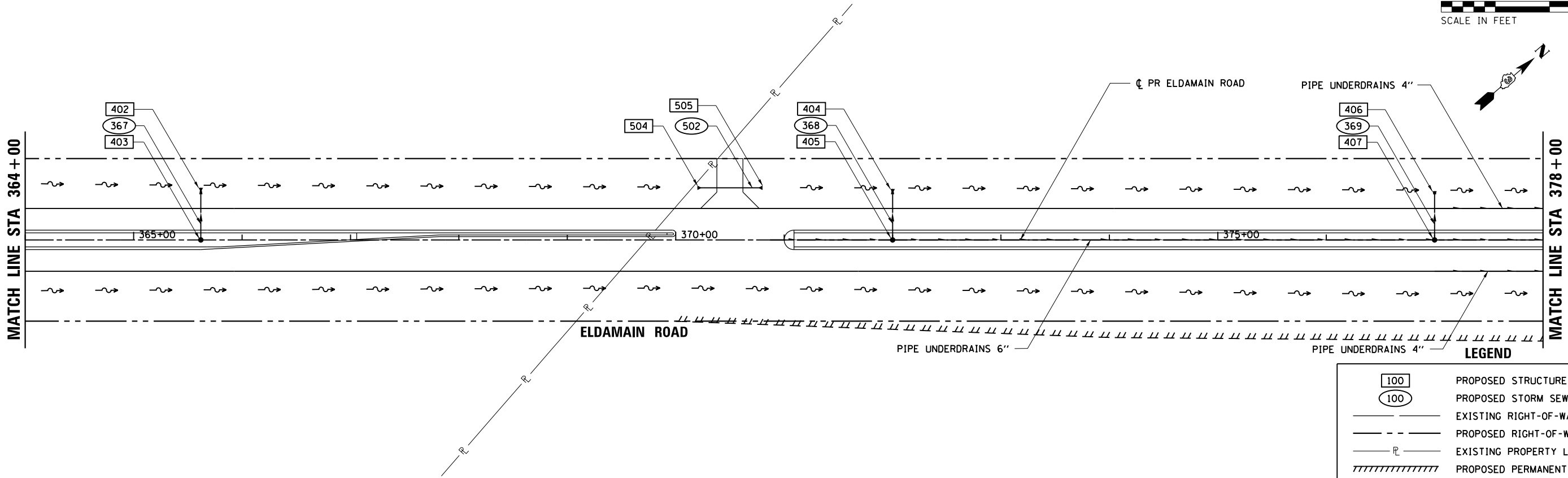
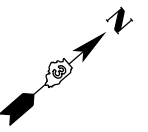
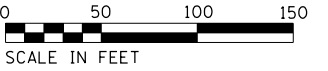
DESIGNED -	MAG	REVISED -	
DRAWN -	DJW	REVISED -	
CHECKED -	BMA	REVISED -	
DATE -	\$PLANDATE\$	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD**

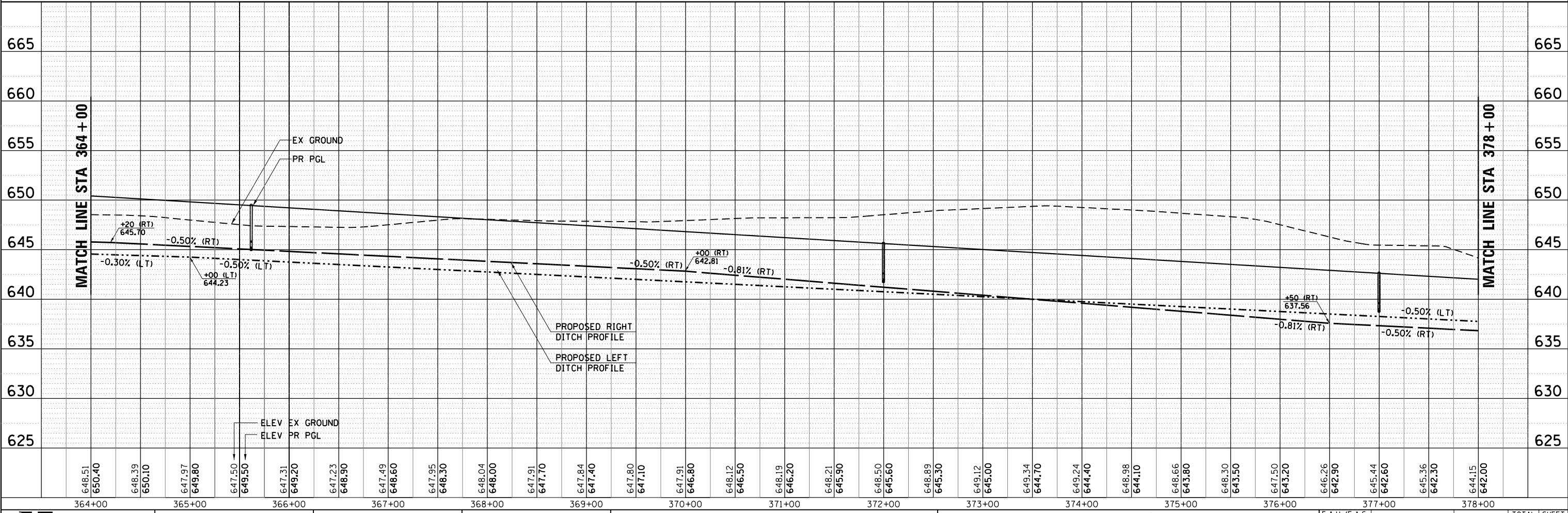
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	118
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
—	EXISTING RIGHT-OF-WAY
- - -	PROPOSED RIGHT-OF-WAY
— P —	EXISTING PROPERTY LINE
////	PROPOSED PERMANENT EASEMENT
TTTTTTTT	PROPOSED TEMPORARY EASEMENT



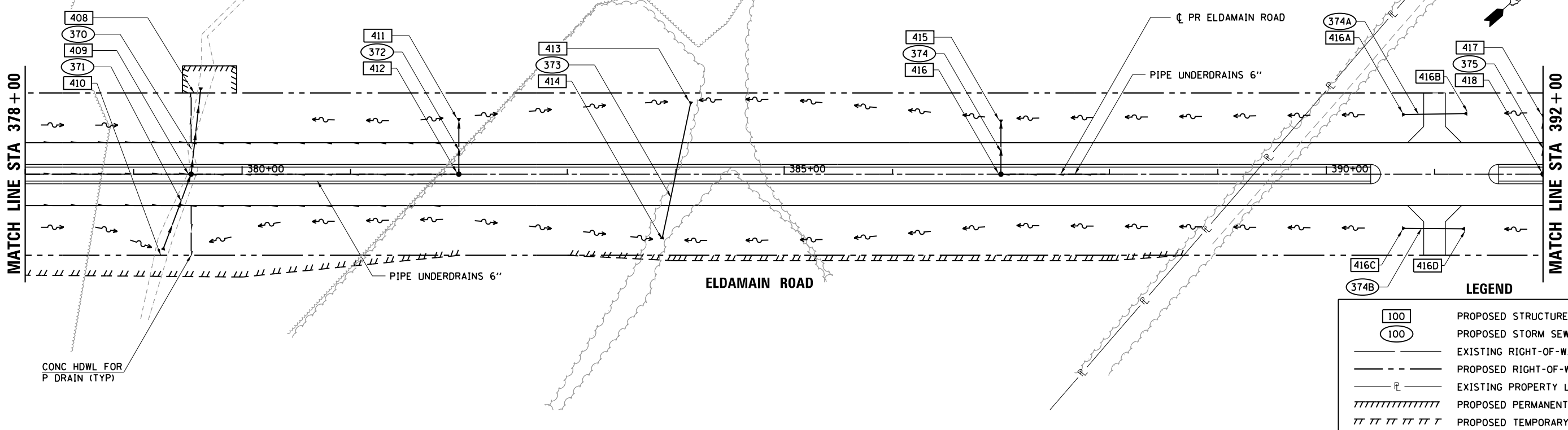
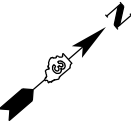
STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

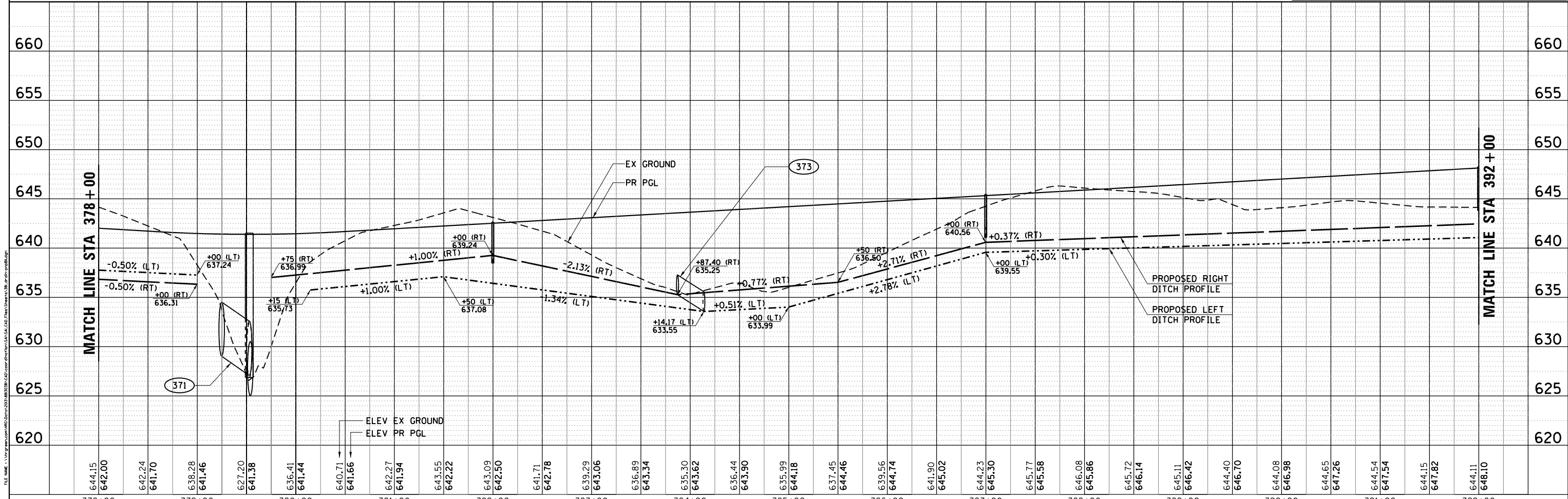
DRAINAGE PLAN & PROFILE ELDAMAIN ROAD STA. 364 + 00 TO 378 + 00			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	119
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
---	EXISTING RIGHT-OF-WAY
---	PROPOSED RIGHT-OF-WAY
—P—	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



644.15	642.00	642.24	641.70	638.28	641.46	627.20	641.38	636.41	641.44	640.71	641.66	642.27	641.94	643.55	642.22	643.09	642.50	641.71	642.78	639.29	643.06	636.89	643.34	635.30	643.62	636.44	643.90	635.99	644.18	637.45	644.46	639.56	644.74	641.90	645.02	644.23	645.30	645.77	645.58	646.08	645.86	645.72	646.14	645.11	646.42	644.40	646.70	644.08	646.98	644.65	647.26	644.54	647.54	644.15	647.82	644.11	648.10
378+00	379+00	380+00	381+00	382+00	383+00	384+00	385+00	386+00	387+00	388+00	389+00	390+00	391+00	392+00																																											

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
PLOT SCALE = 100.00' / 1" =
PLOT DATE = 8/17/2020

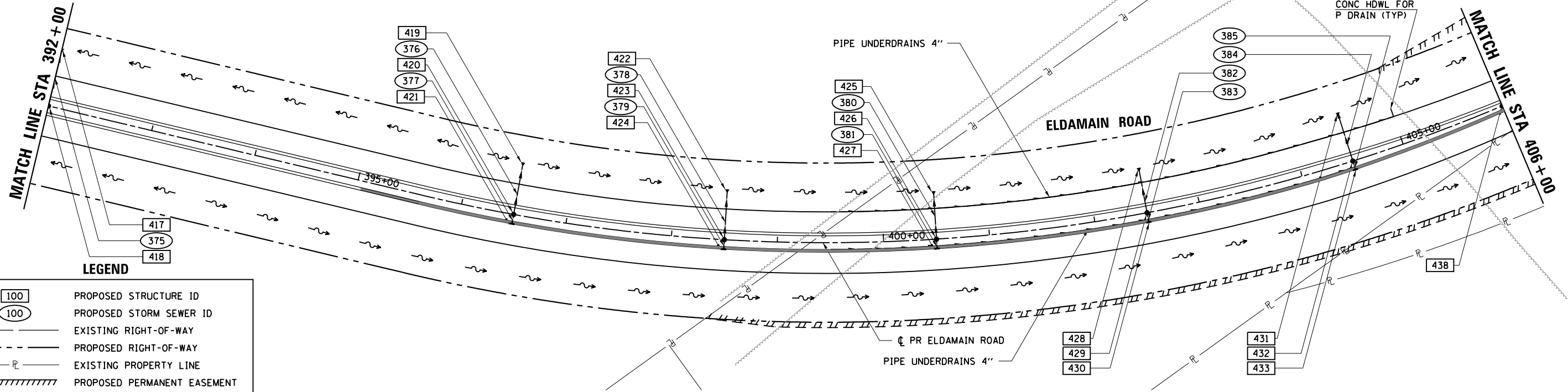
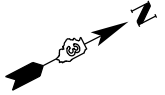
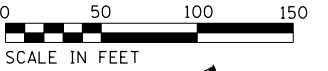
DESIGNED -	MAG	REVISED -	
DRAWN -	DJW	REVISED -	
CHECKED -	BMA	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 378 + 00 TO 392 + 00

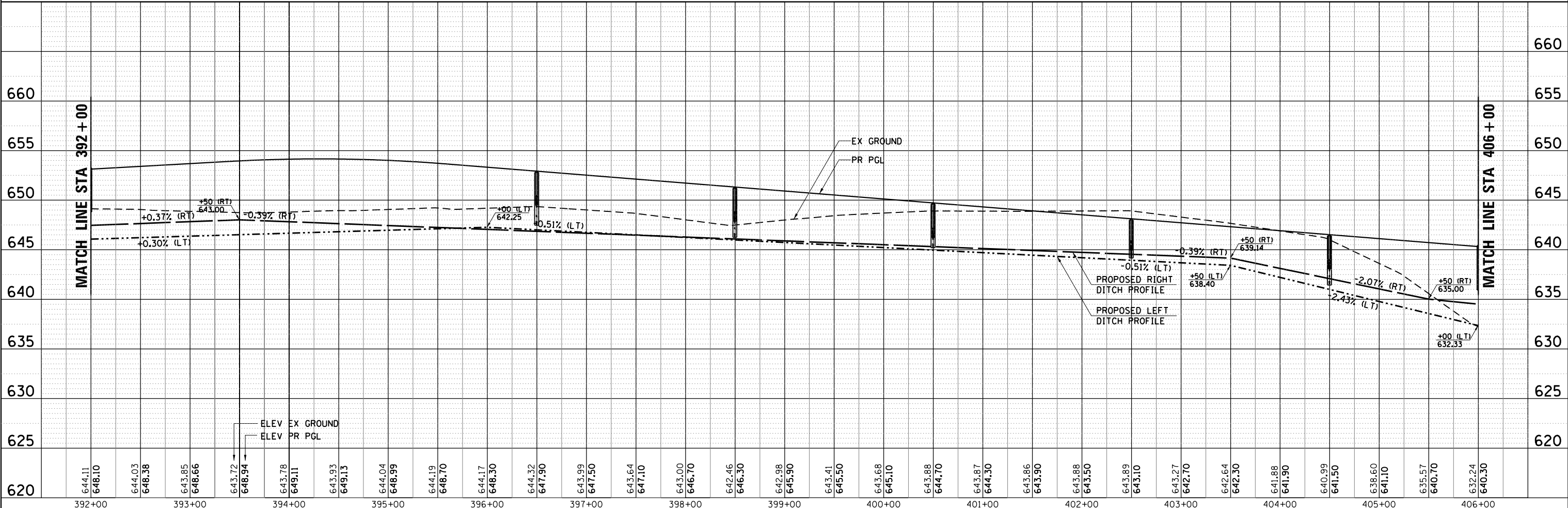
F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	120
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

SCALE: SHEET NO. OF SHEETS STA. TO STA.



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -
PLOT SCALE = 100.00' / 1" =
PLOT DATE = 8/17/2020

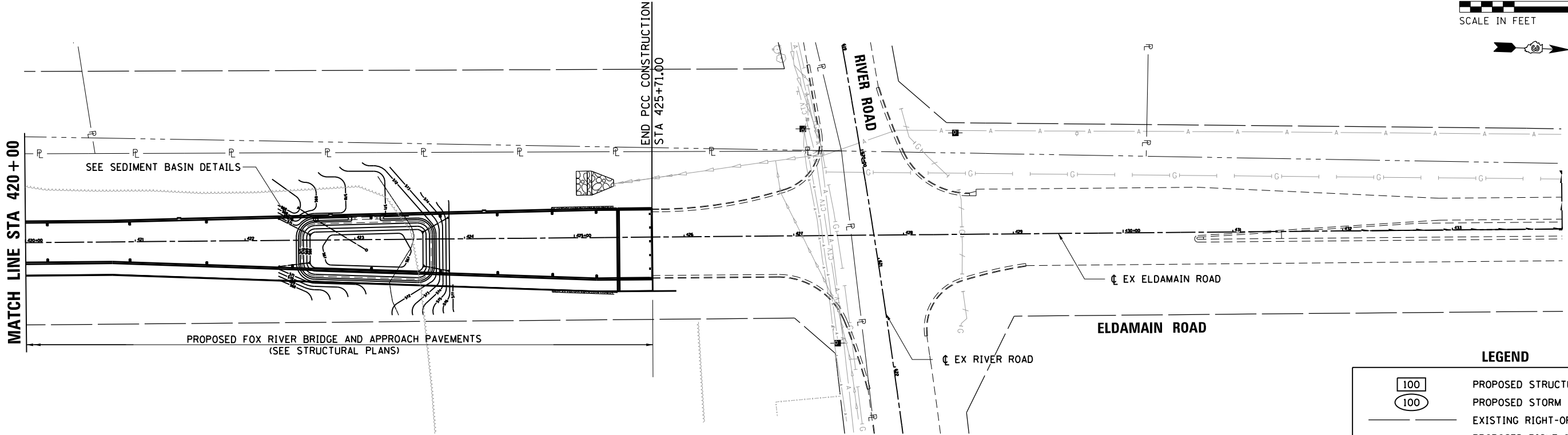
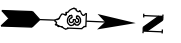
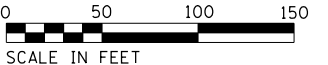
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REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
ELDMAIN ROAD
STA. 392+00 TO 406+00**

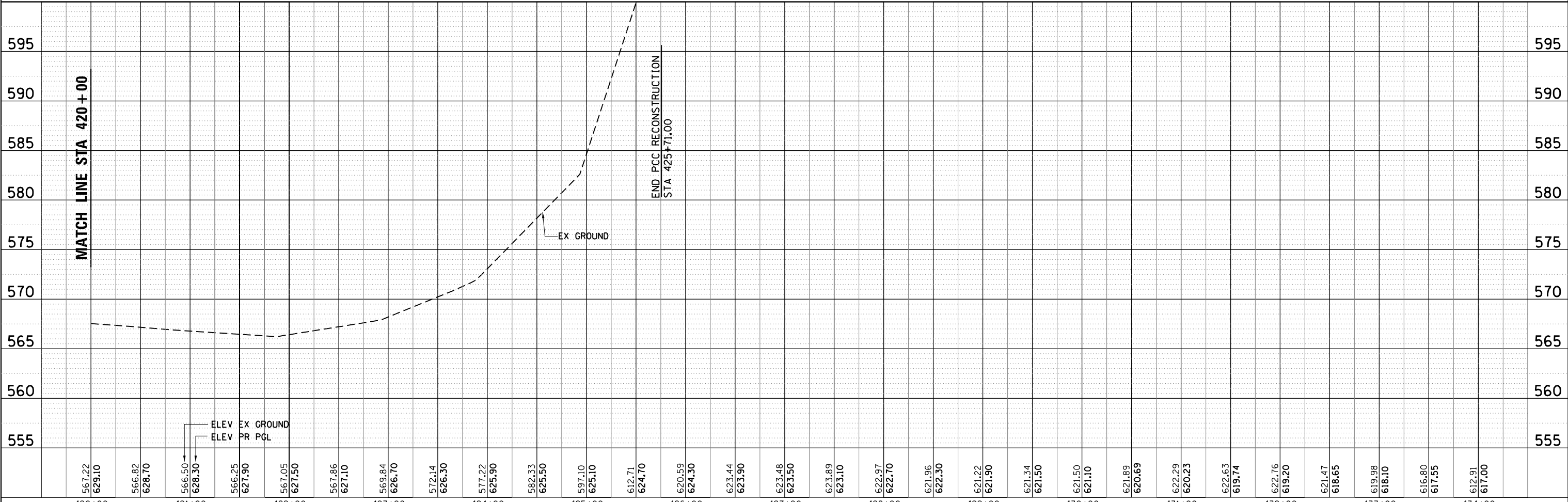
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	121
FED. ROAD DIST. NO. 3 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 87731	



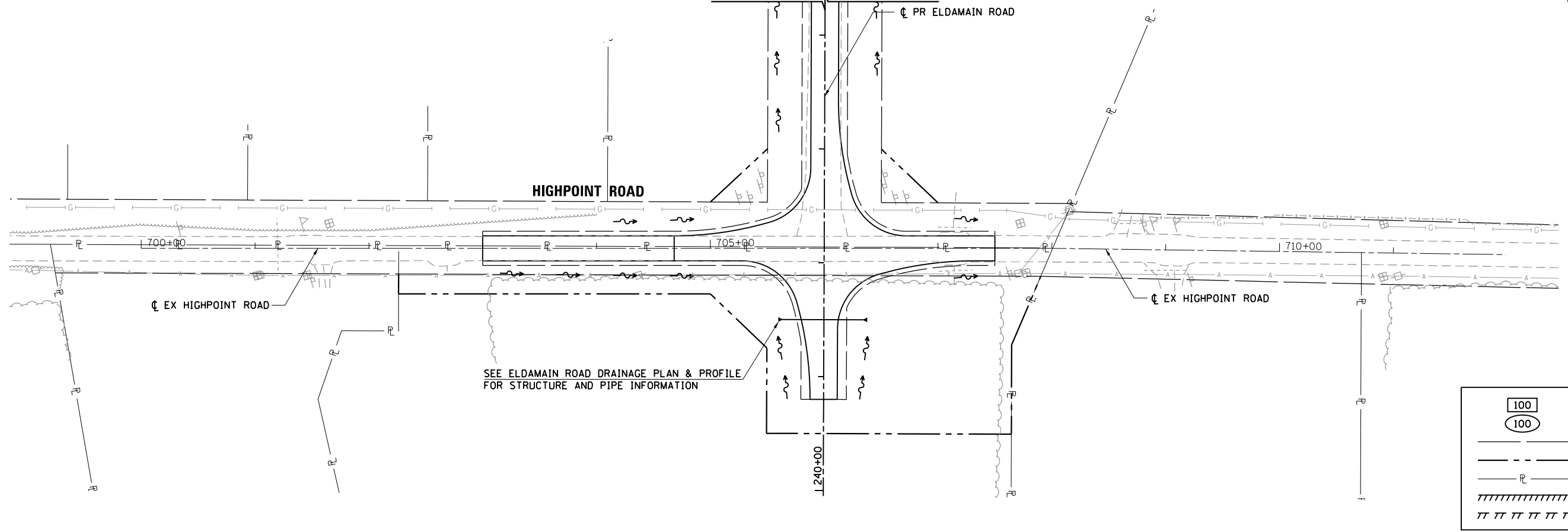
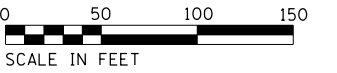
LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
— — — — —	EXISTING RIGHT-OF-WAY
- - - - -	PROPOSED RIGHT-OF-WAY
— P —	EXISTING PROPERTY LINE
////	PROPOSED PERMANENT EASEMENT
TT TT TT TT TT	PROPOSED TEMPORARY EASEMENT



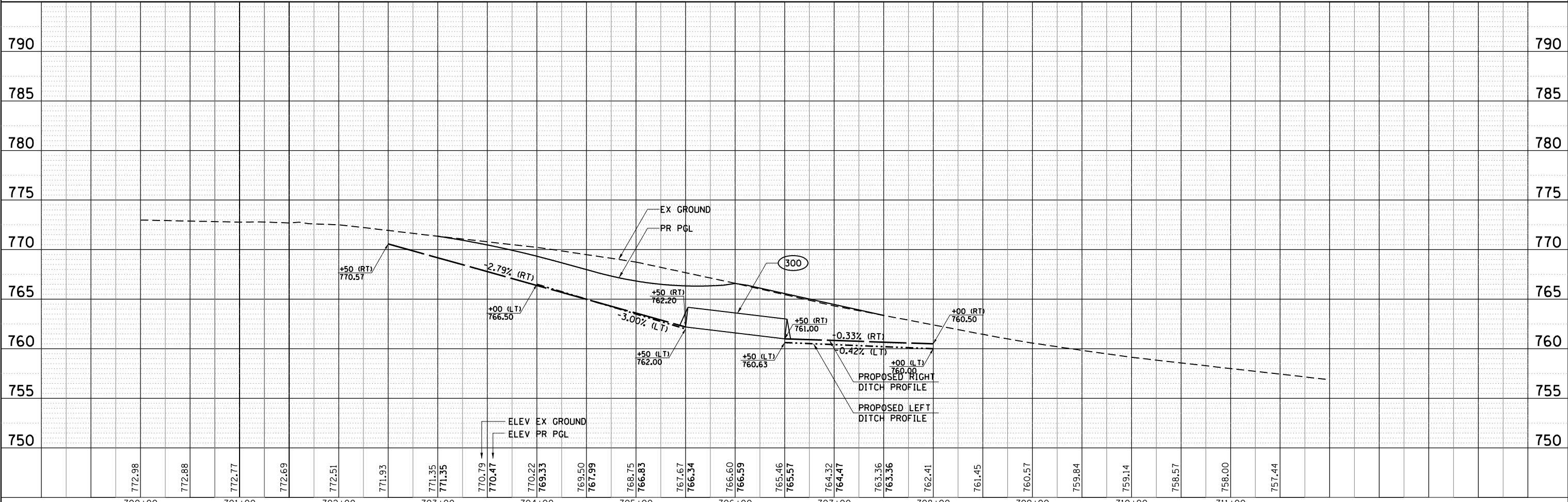
<p>FILE NAME: \\svr\graphics\mfc\c\p\2021\81823381\CD\user\dmh\15111511\CD\111511\111511.dwg</p> <p>STRAND ASSOCIATES[®]</p> <p>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</p>	<p>USER NAME = mfeiler</p> <p>PLOT SCALE = 100.00' / 1" =</p> <p>PLOT DATE = 8/17/2020</p>	<p>DESIGNED - MAG</p> <p>DRAWN - DJW</p> <p>CHECKED - BMA</p> <p>DATE -</p>	<p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>DRAINAGE PLAN & PROFILE ELDAMAIN ROAD STA. 420+00 TO 425+71</p>	<p>F.A.U./F.A.S. RTE. SECTION NO. COUNTY TOTAL SHEETS SHEET NO.</p> <p>4000/275 19-00153-00-BR KENDALL 485 123</p> <p>CONTRACT NO. 87731</p>
<p>SCALE: SHEET NO. OF SHEETS STA. TO STA.</p>				<p>FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT</p>		

ELDAMAIN ROAD



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



772.98	772.88	772.77	772.69	772.51	771.93	771.35	771.35	770.79	770.47	770.22	769.33	769.50	767.99	768.75	766.83	767.67	766.34	766.60	766.59	765.46	765.57	764.32	764.47	763.36	763.36	762.41	761.45	760.57	759.84	759.14	758.57	758.00	757.44
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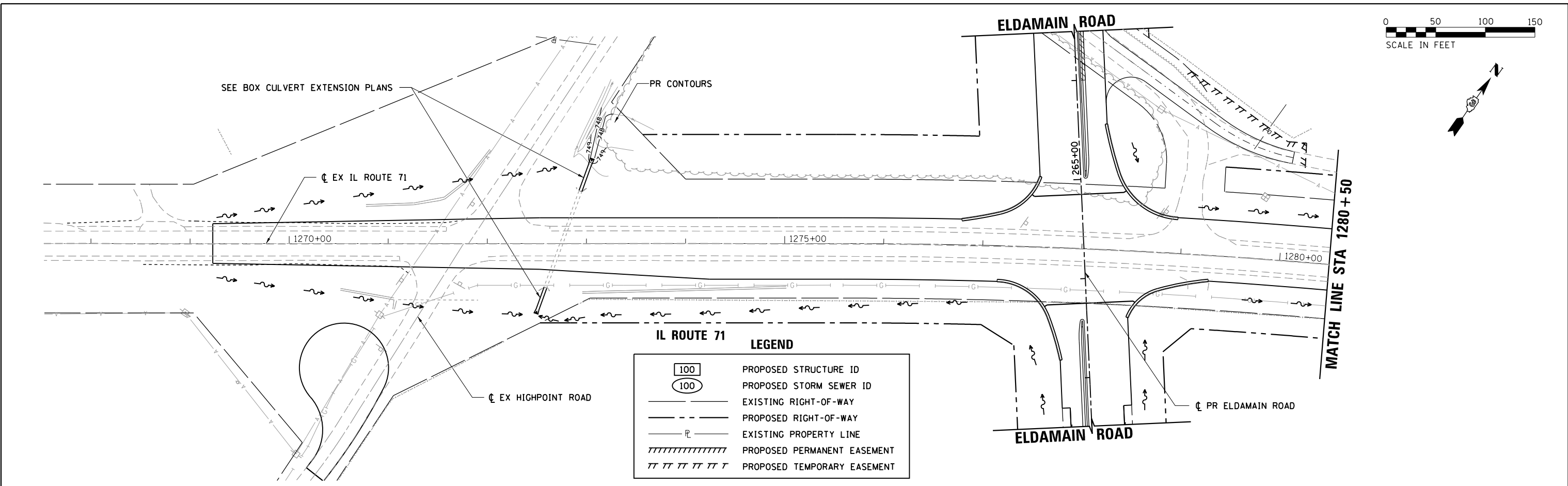
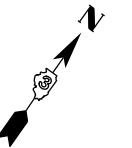
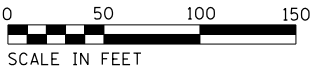
STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfaller	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / 1" =	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

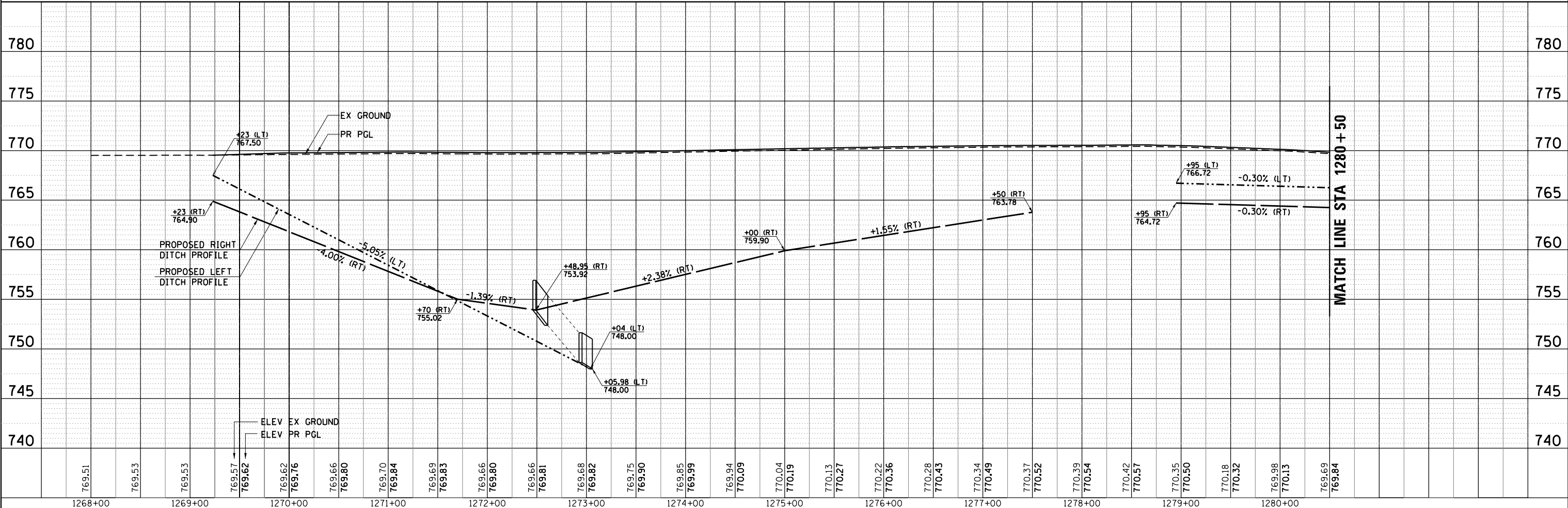
DRAINAGE PLAN & PROFILE HIGHPOINT ROAD	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	124
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



IL ROUTE 71 LEGEND

	PROPOSED STRUCTURE ID
	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfaller
PLOT SCALE = 100.00' / in.
PLOT DATE = 8/17/2020

DESIGNED -	MAG	REVISED -	
DRAWN -	DJW	REVISED -	
CHECKED -	BMA	REVISED -	
DATE -		REVISED -	

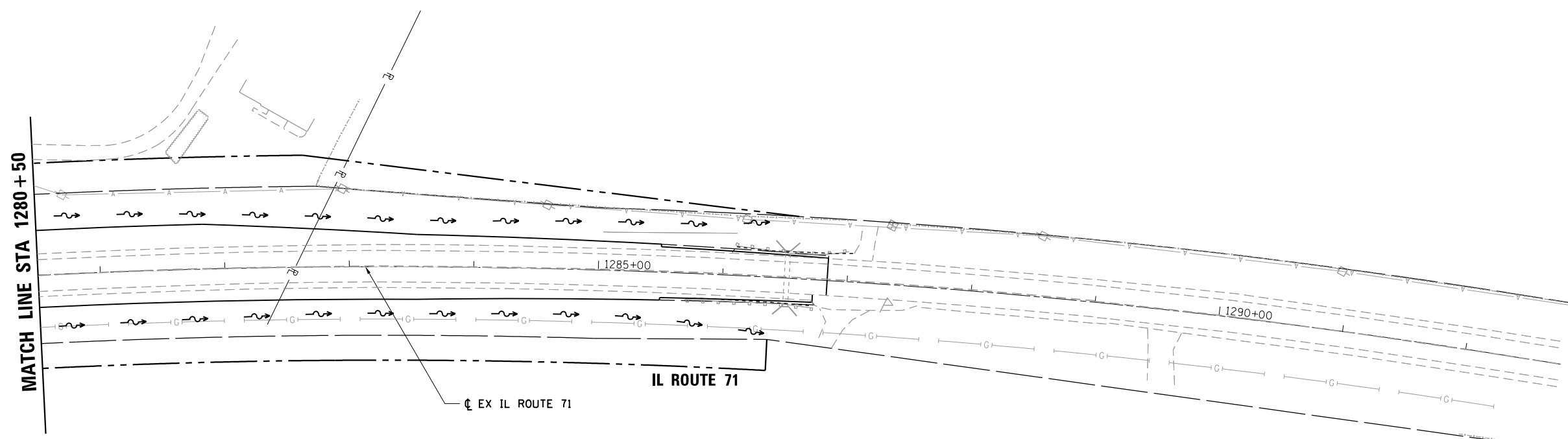
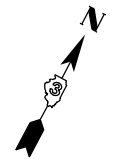
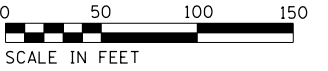
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
IL ROUTE 71
(SHEET 1 OF 2)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

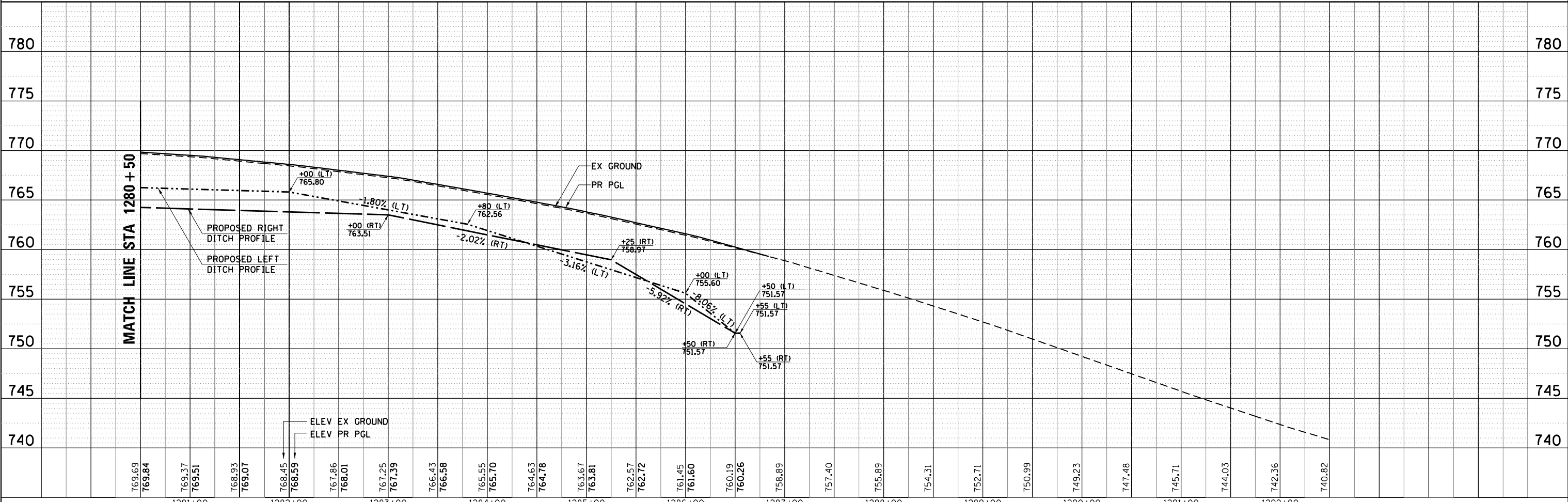
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4000/275	19-00153-00-BR	KENDALL	485	125
CONTRACT NO.			87731	

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT

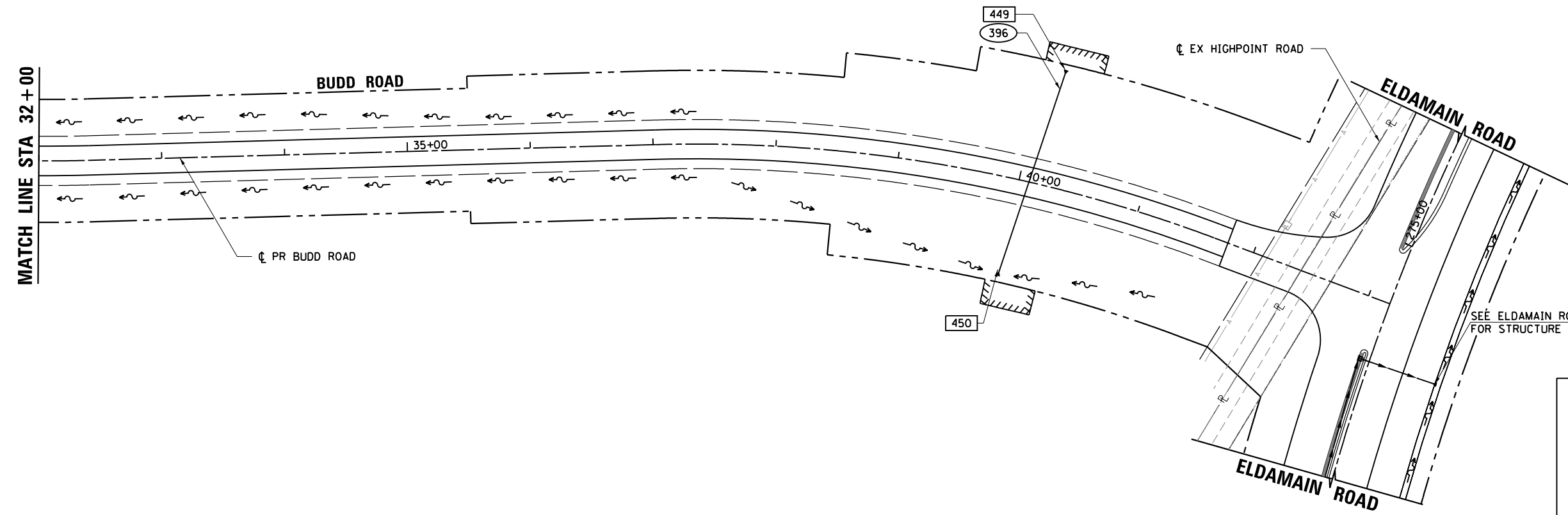
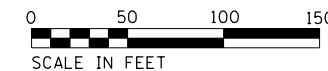


<p>1281+00 1282+00 1283+00 1284+00 1285+00 1286+00 1287+00 1288+00 1289+00 1290+00 1291+00 1292+00</p>	<p>769.69 769.84 769.37 769.51 768.93 769.07 768.45 768.59 767.96 768.01 767.25 767.39 766.43 766.58 765.55 765.70 764.63 764.78 763.67 763.81 762.57 762.72 761.45 761.60 760.19 760.26 758.89 757.40 755.89 754.31 752.71 750.99 749.23 747.48 745.71 744.03 742.36 740.82</p>	<p>1281+00 1282+00 1283+00 1284+00 1285+00 1286+00 1287+00 1288+00 1289+00 1290+00 1291+00 1292+00</p>	<p>USER NAME = mfaller DESIGNED - MAG DRAWN - DJW CHECKED - BMA DATE -</p>	<p>REVISED - REVISED - REVISED - REVISED -</p>	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>DRAINAGE PLAN & PROFILE IL ROUTE 71 (SHEET 2 OF 2)</p>	<p>F.A.U./F.A.S. RTE. 4000/275 SECTION NO. 19-00153-00-BR COUNTY KENDALL TOTAL SHEETS 485 SHEET NO. 126 CONTRACT NO. 87731 FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT</p>
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES*
(815) 744-4200

PLOT SCALE = 100.00' / 1" /
PLOT DATE = 8/17/2020

SCALE: SHEET NO. OF SHEETS STA. TO STA.



SEE ELDAMAIN ROAD DRAINAGE PLAN & PROFILE FOR STRUCTURE AND PIPE INFORMATION

LEGEND	
100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler
PLOT SCALE = 100.00' / 1" =
PLOT DATE = 8/17/2020

DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
BUDD ROAD
SHEET 2 OF 2

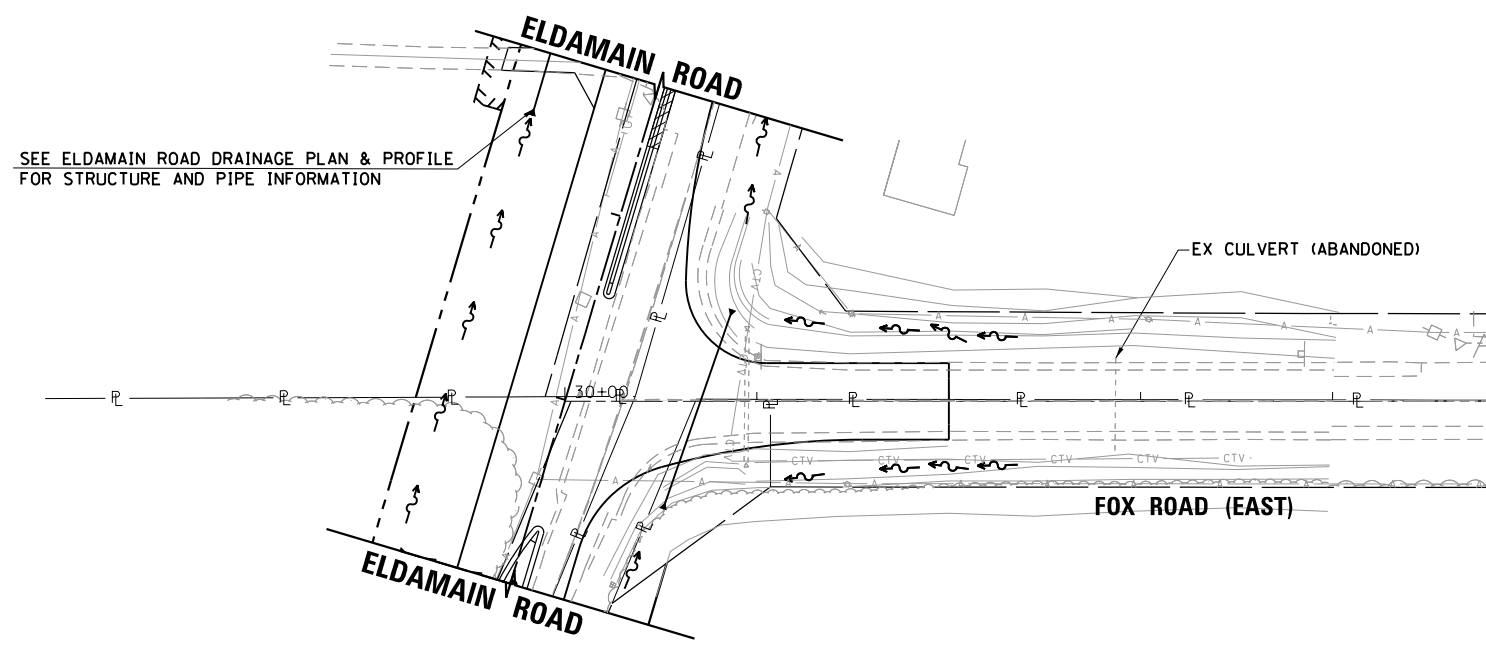
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	128
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



SCALE IN FEET



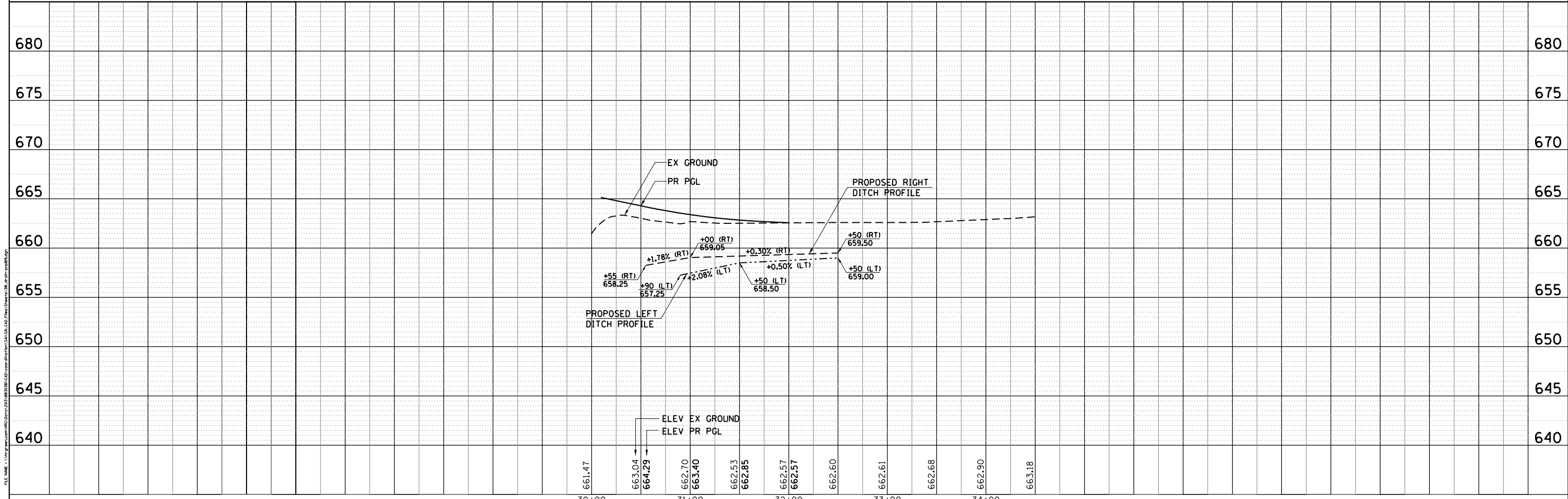
SEE ELDAMAIN ROAD DRAINAGE PLAN & PROFILE FOR STRUCTURE AND PIPE INFORMATION

EX CULVERT (ABANDONED)

FOX ROAD (EAST)

LEGEND

100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY EASEMENT



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

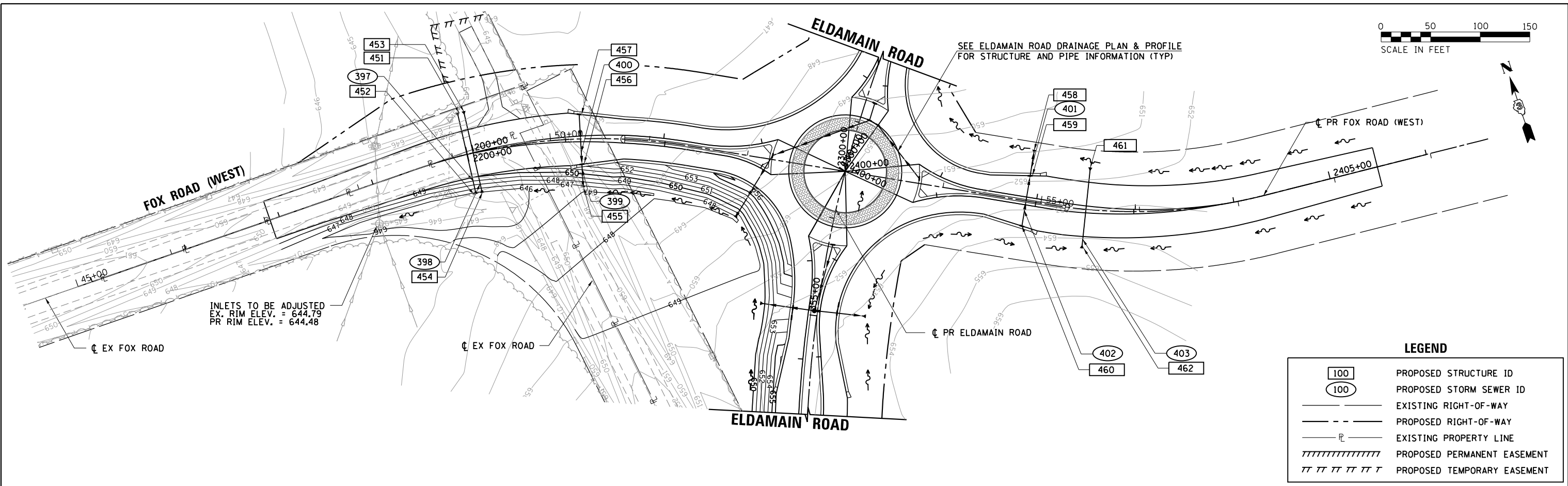
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PLOT SCALE = 100.00' / 1" =	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

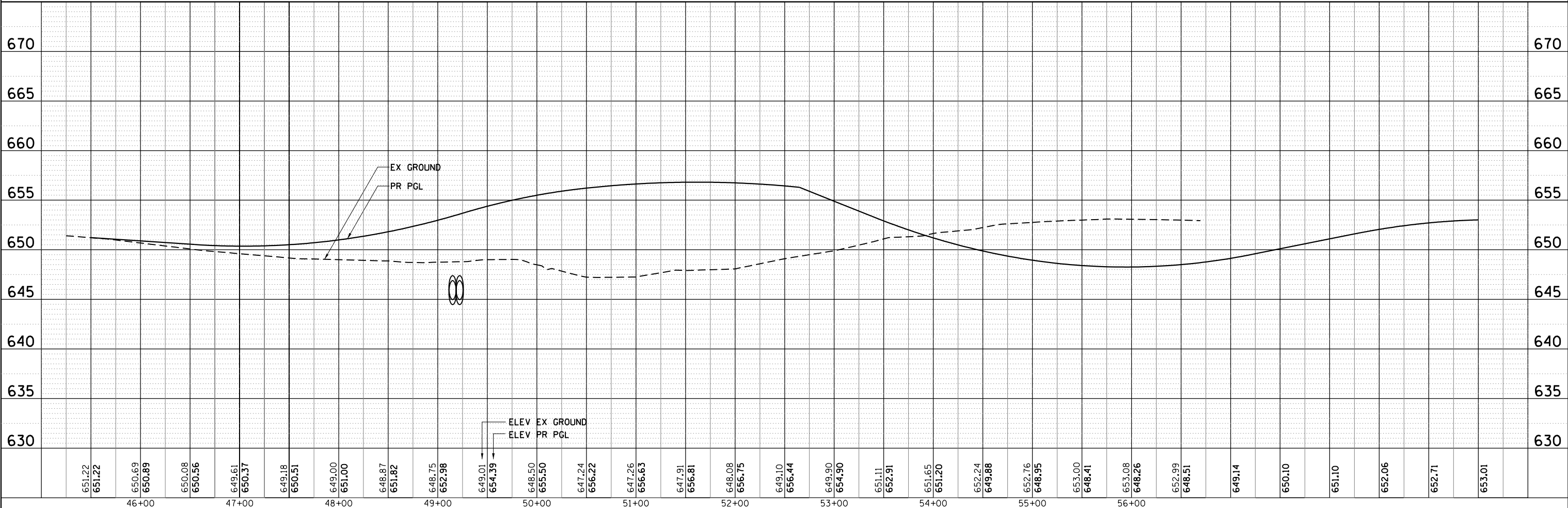
**DRAINAGE PLAN & PROFILE
FOX ROAD (EAST)
STA. 30+00 TO 34+50**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	129
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



LEGEND	
100	PROPOSED STRUCTURE ID
100	PROPOSED STORM SEWER ID
---	EXISTING RIGHT-OF-WAY
- - -	PROPOSED RIGHT-OF-WAY
—P—	EXISTING PROPERTY LINE
	PROPOSED PERMANENT EASEMENT
TT TT TT TT TT TT	PROPOSED TEMPORARY EASEMENT



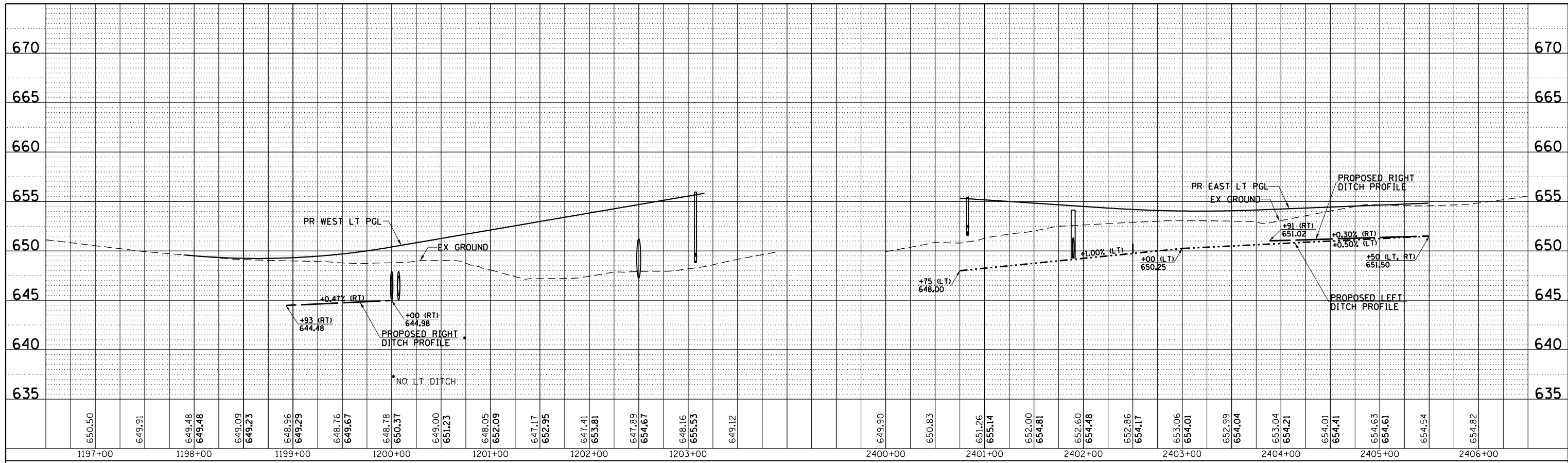
STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = mfaller	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE FOX ROAD (WEST)	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	130
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

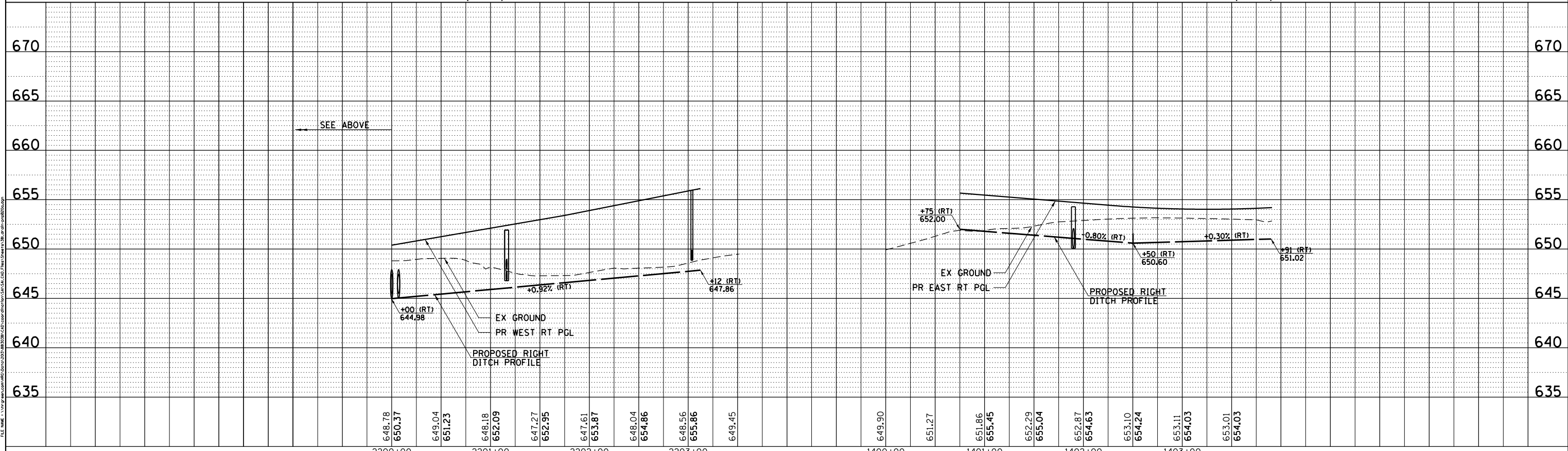


WEST LT PGL - FOX ROAD (WEST)

EAST LT PGL - FOX ROAD (WEST)

WEST RT PGL - FOX ROAD (WEST)

EAST RT PGL - FOX ROAD (WEST)



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfaller
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE - \$PLANDATE\$

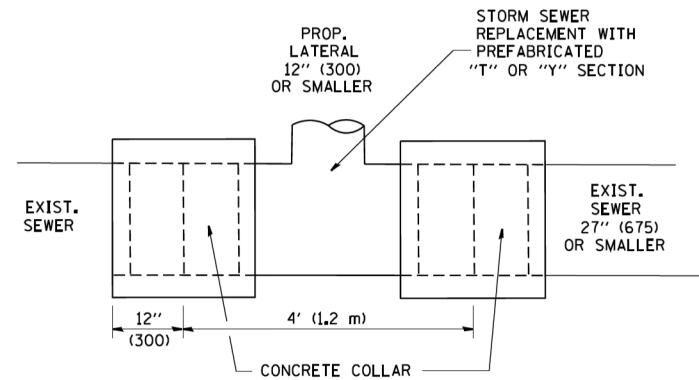
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CHECKED - BMA
DATE - \$PLANDATE\$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

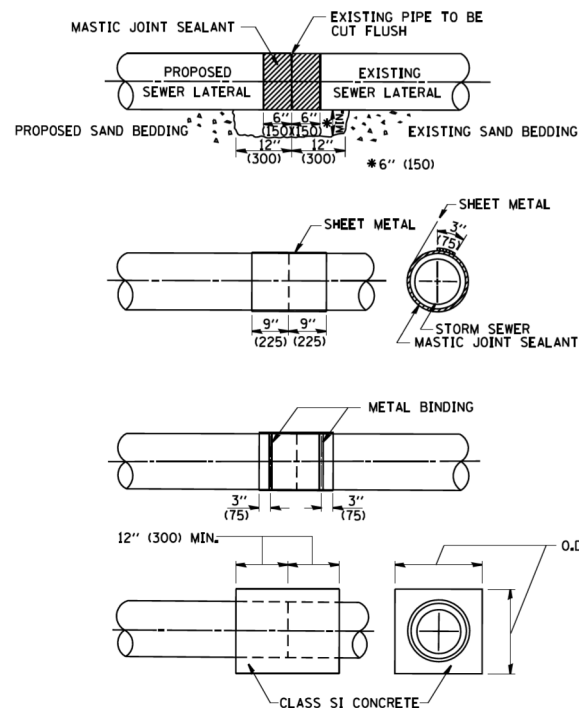
DRAINAGE PLAN & PROFILE
FOX ROAD (WEST)

SCALE: SHEET OF SHEETS STA. TO STA.

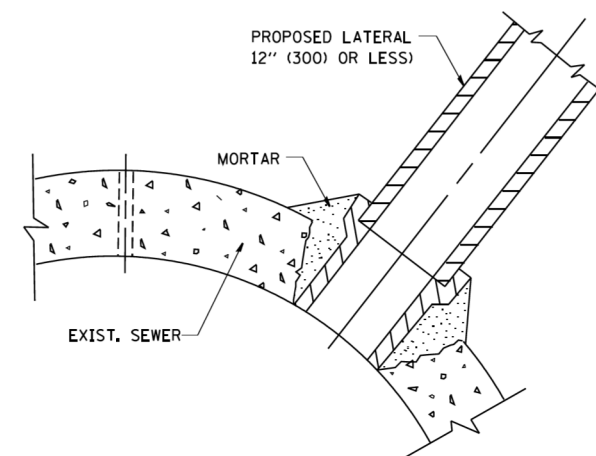
F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	131
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED, THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

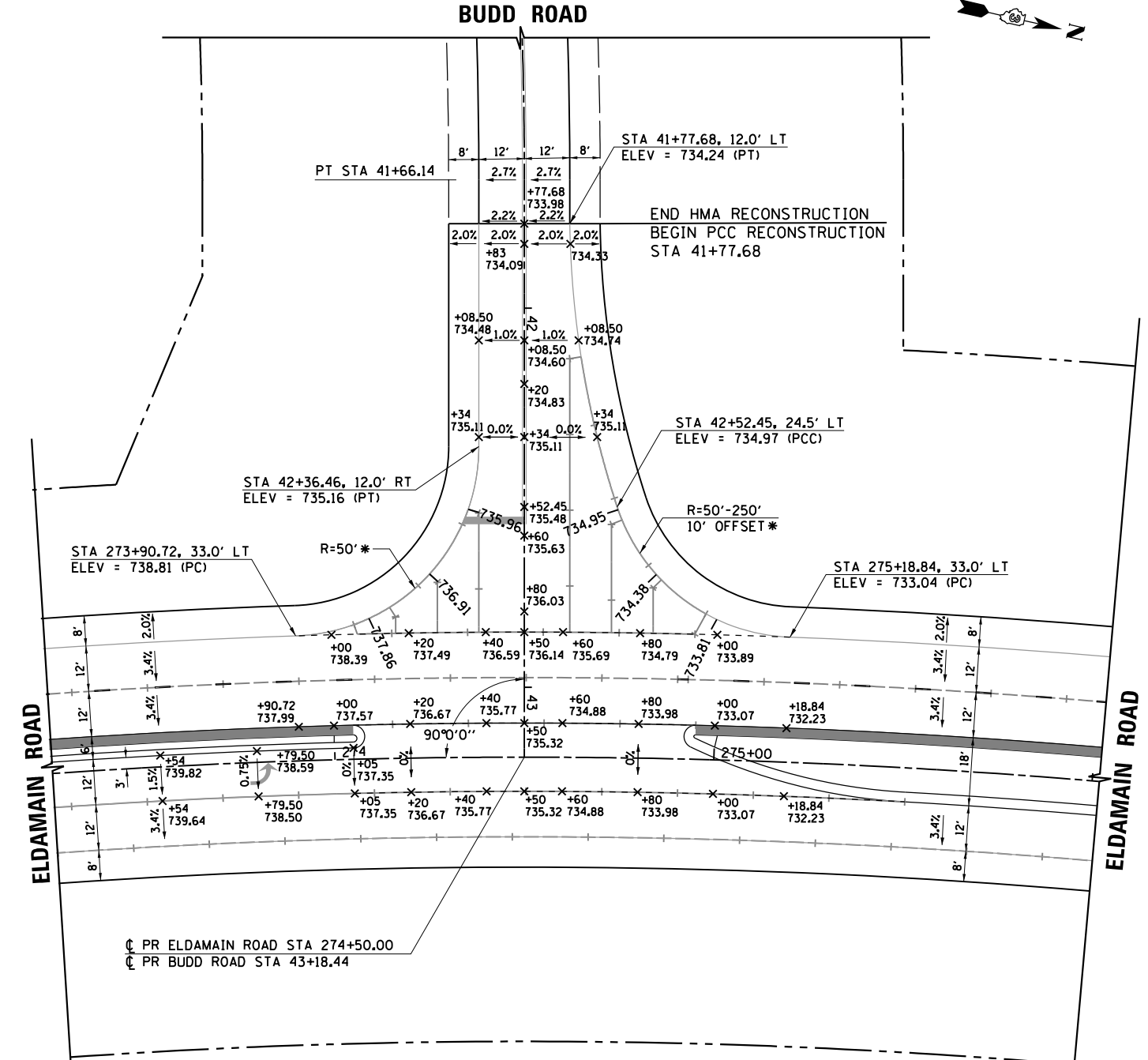
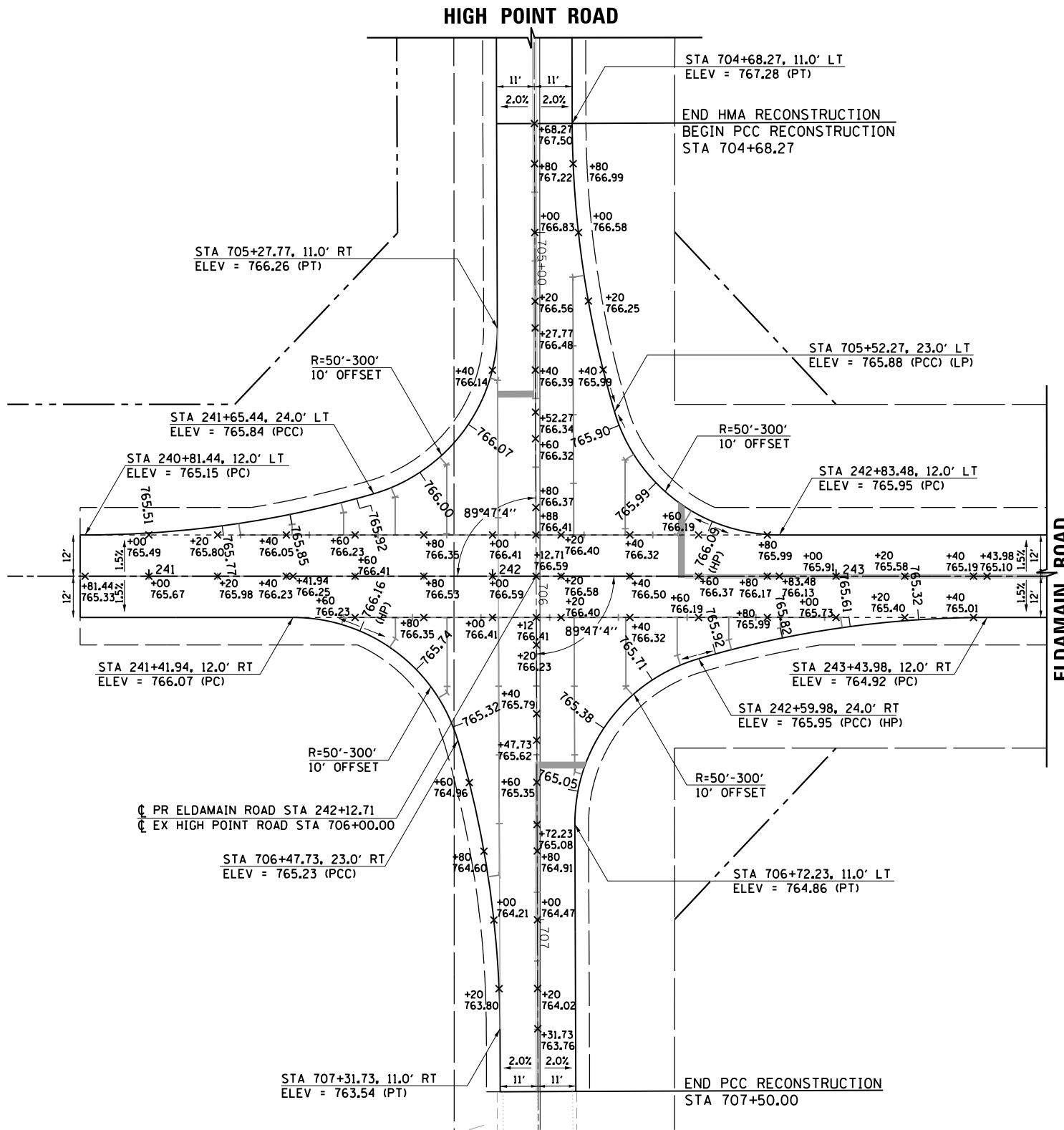
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD500-01 (BD-7)		CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94									
			REVISED - R. SHAH 06-12-96		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

STRAND ASSOCIATES	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = mfeiler	DESIGNED - MAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS		F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.	
		PLOT SCALE = 100.0000' / IN.	CHECKED - BMA	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	4000/275 19-00153-00-BR KENDALL 485 132		
		PLOT DATE = 8/17/2020	DATE -	REVISED -		FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT							
						CONTRACT NO. 87731							

- NOTES:
1. SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 2. ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
 3. CURB RETURN ELEVATIONS ARE SHOWN AT 20' INCREMENTS BEGINNING AT THE ELDAMAIN ROAD PC UNLESS OTHERWISE NOTED.



* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.



- NOTES:
1. SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 2. ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
 3. CURB RETURN ELEVATIONS ARE SHOWN AT 20' INCREMENTS BEGINNING AT THE ELDAMAIN ROAD PC UNLESS OTHERWISE NOTED.

LEGEND	
	INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD
	PROPOSED DEPRESSED CURB
	PROPOSED DETECTABLE WARNINGS
	LIMITS OF TYPE M-4 CURB AND GUTTER
	LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR
	SAWED LONGITUDINAL CONSTRUCTION JOINT

HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01-01-01.dwg
 PEN TABLE: 19-00153-00-01-01-01.tbl



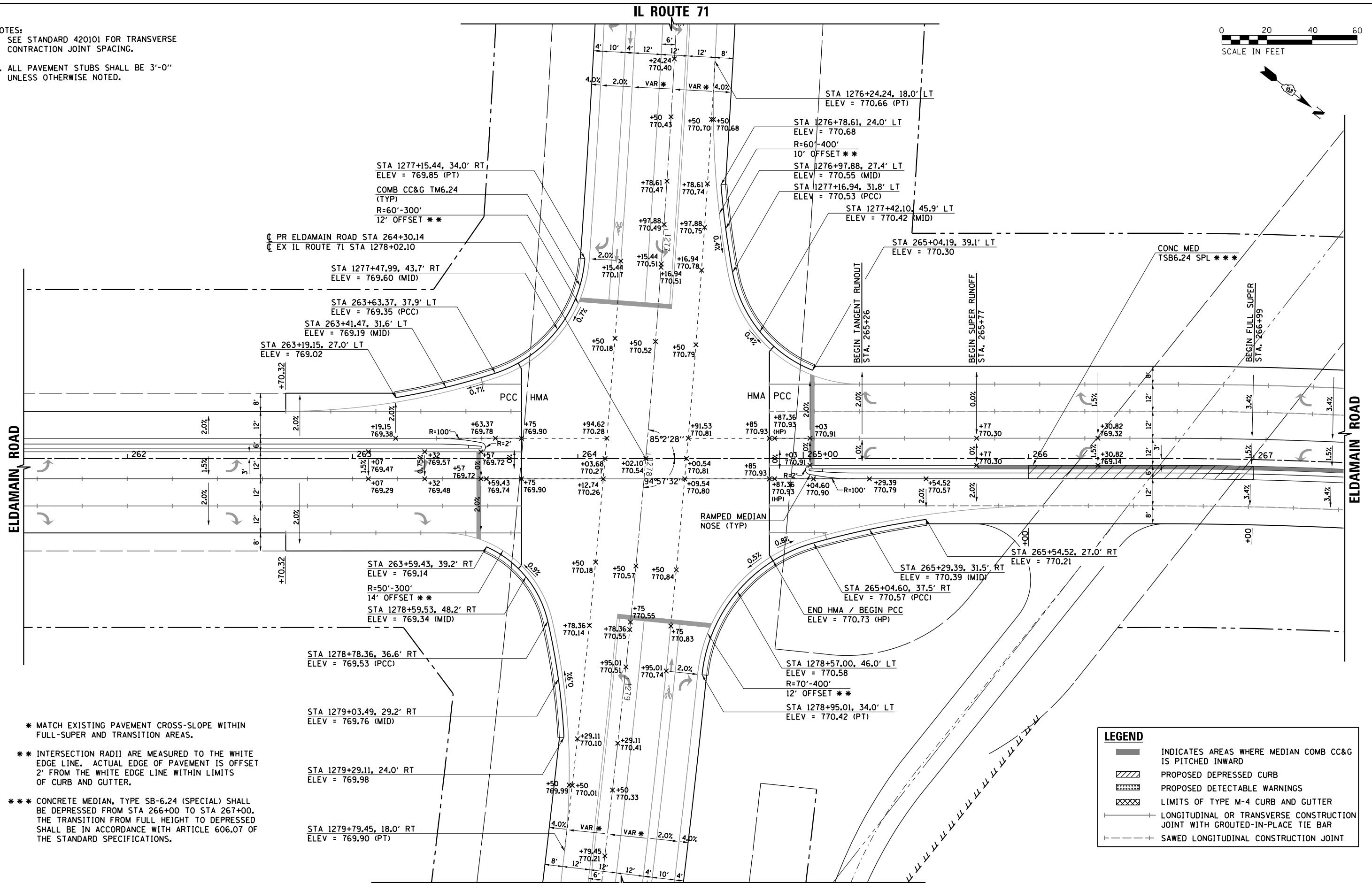
USER NAME = mfaller	DESIGNED - JMR	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION PAVEMENT ELEVATION PLAN			
HIGH POINT ROAD / BUDD ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	133
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.



- * MATCH EXISTING PAVEMENT CROSS-SLOPE WITHIN FULL-SUPER AND TRANSITION AREAS.
- ** INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 2' FROM THE WHITE EDGE LINE WITHIN LIMITS OF CURB AND GUTTER.
- *** CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL) SHALL BE DEPRESSED FROM STA 266+00 TO STA 267+00. THE TRANSITION FROM FULL HEIGHT TO DEPRESSED SHALL BE IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.

LEGEND	
	INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD
	PROPOSED DEPRESSED CURB
	PROPOSED DETECTABLE WARNINGS
	LIMITS OF TYPE M-4 CURB AND GUTTER
	LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR
	SAWED LONGITUDINAL CONSTRUCTION JOINT

HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01.dgn
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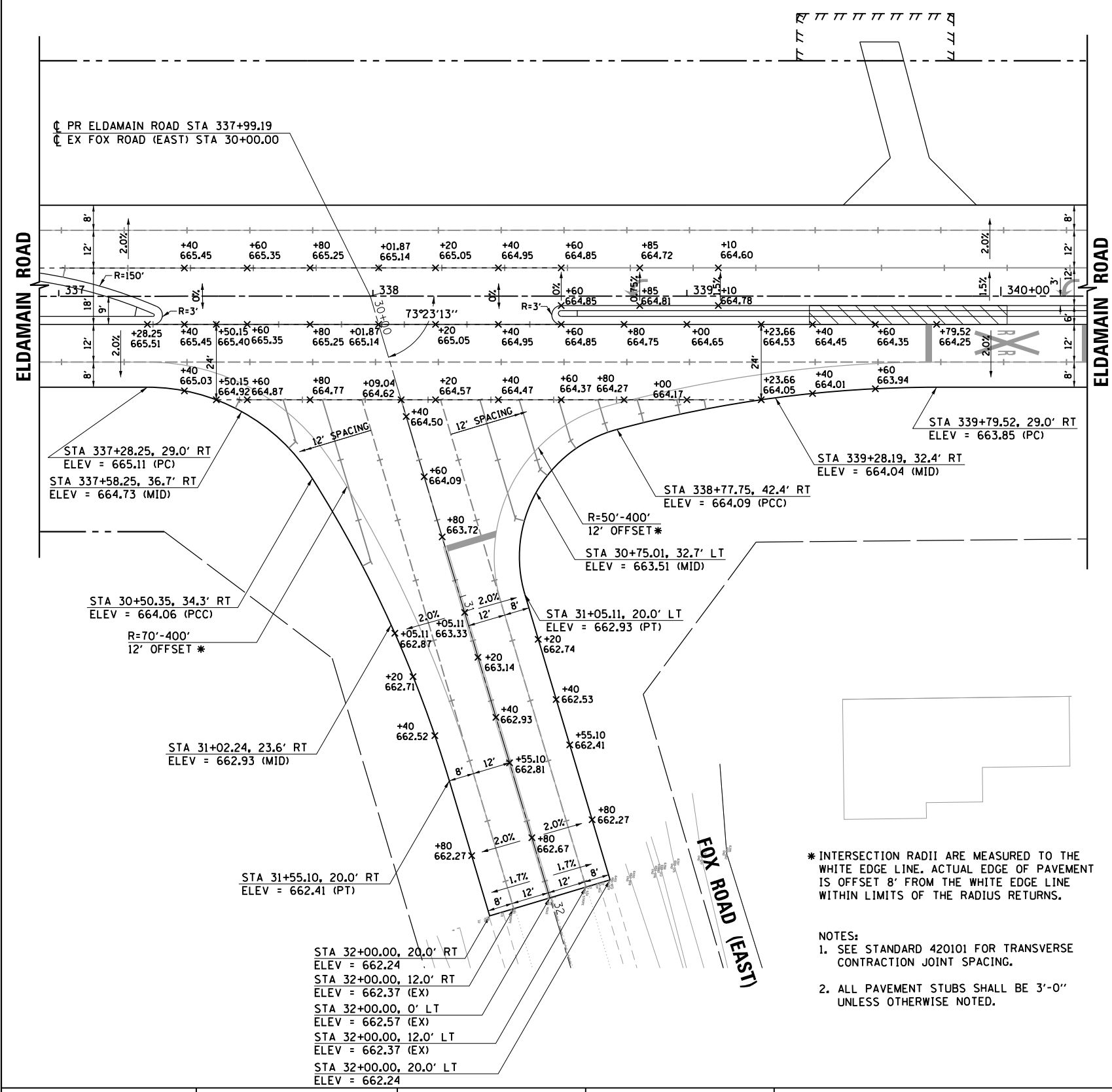


USER NAME = mfoeller	DESIGNED - JMR	REVISED -
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PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

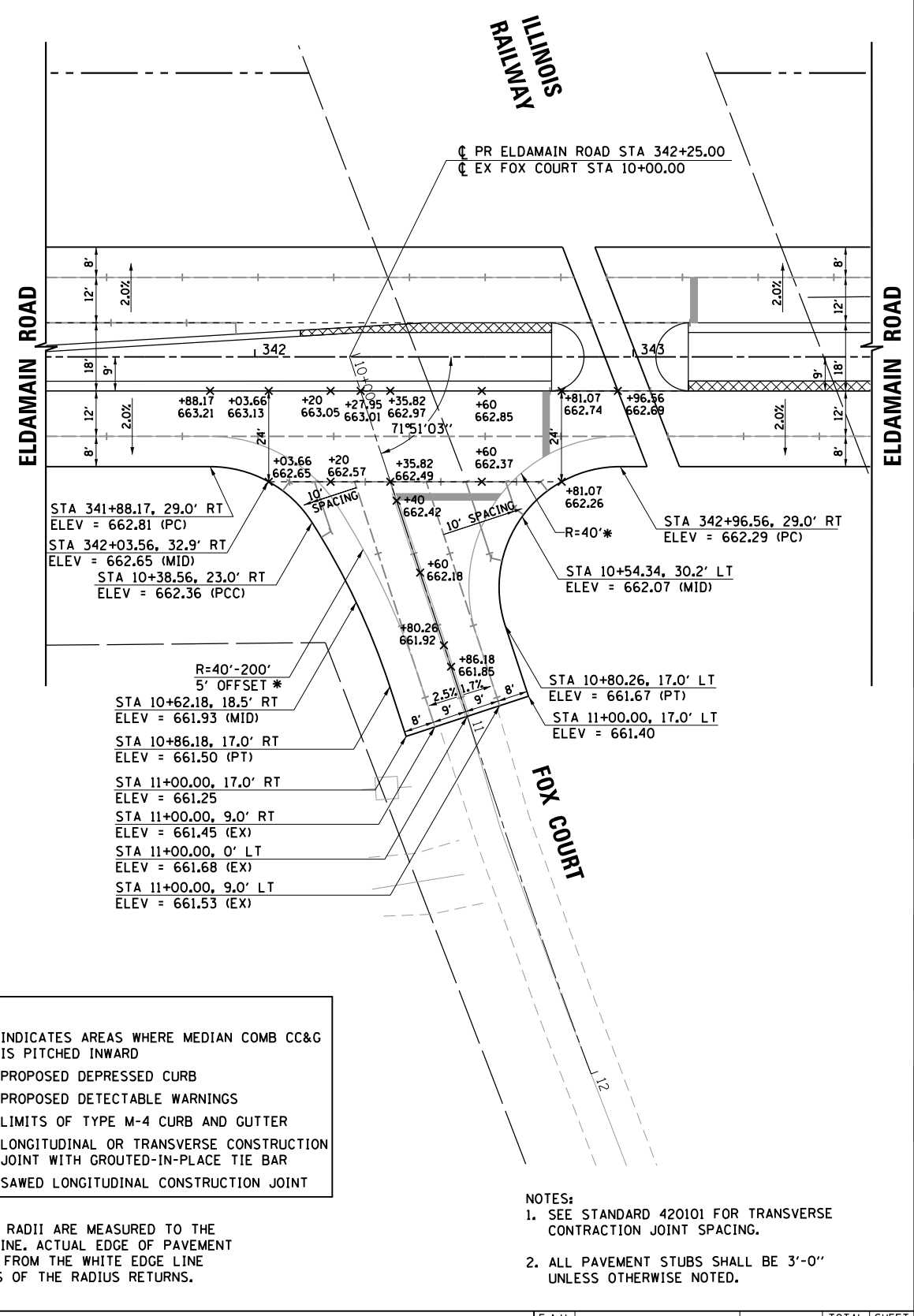
INTERSECTION PAVEMENT ELEVATION PLAN			
IL ROUTE 71			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	134
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.

- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.



LEGEND

- INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD
- PROPOSED DEPRESSED CURB
- PROPOSED DETECTABLE WARNINGS
- LIMITS OF TYPE M-4 CURB AND GUTTER
- LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR
- SAWED LONGITUDINAL CONSTRUCTION JOINT

* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.

- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.

HRG PROJECT NO.: 8820381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01.dwg
 PEN TABLE: 19-00153-00-01.tbl

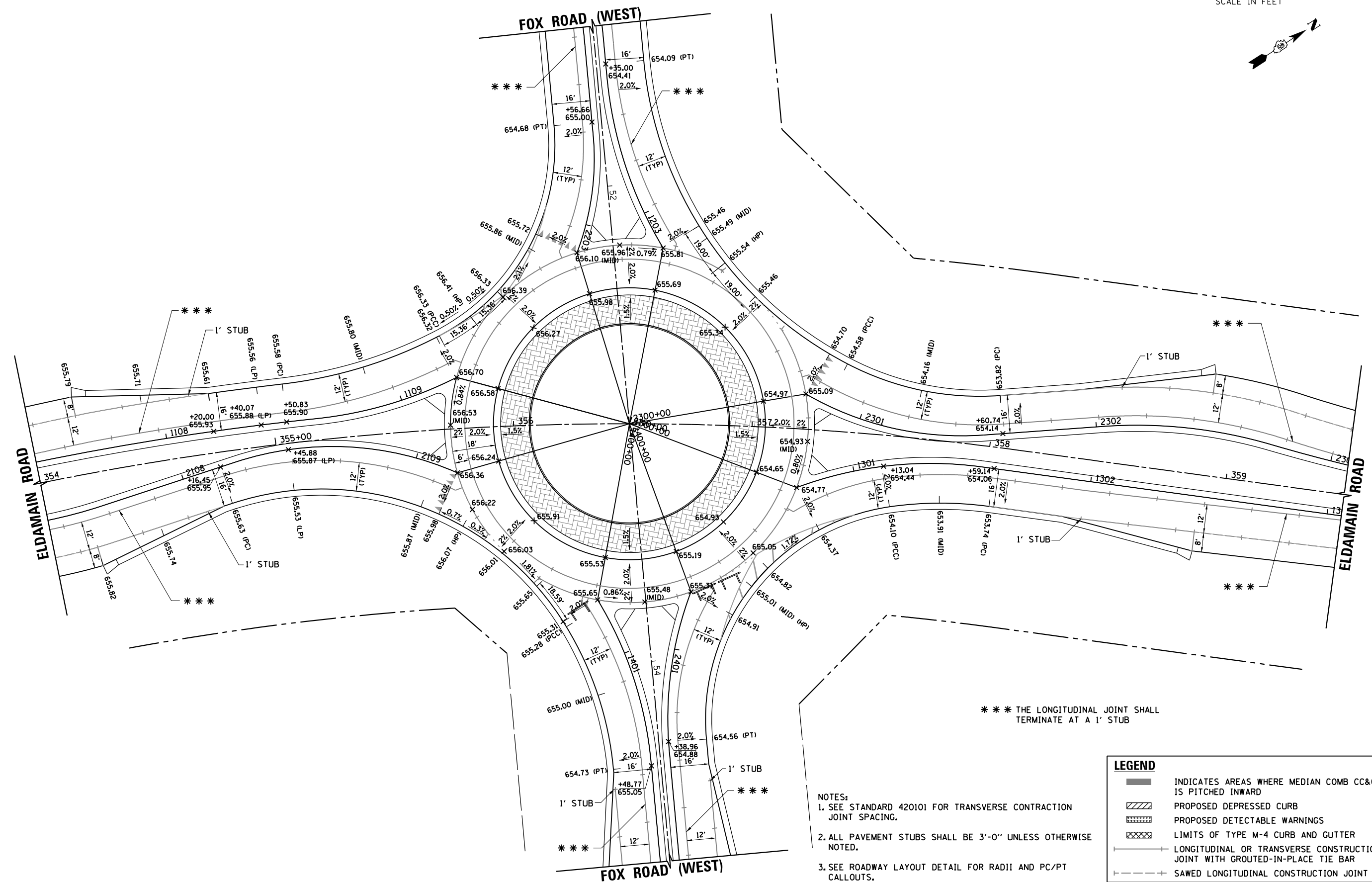
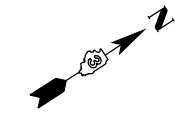
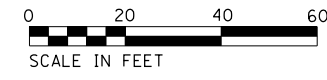


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PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INTERSECTION PAVEMENT ELEVATION PLAN			
FOX ROAD (EAST)/ FOX COURT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	135
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 87731



LEGEND				
	INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD			
	PROPOSED DEPRESSED CURB			
	PROPOSED DETECTABLE WARNINGS			
	LIMITS OF TYPE M-4 CURB AND GUTTER			
	LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR			
	SAWED LONGITUDINAL CONSTRUCTION JOINT			

HRG PROJECT NO.: 8820381
 HRG PROJ. CONTACT:
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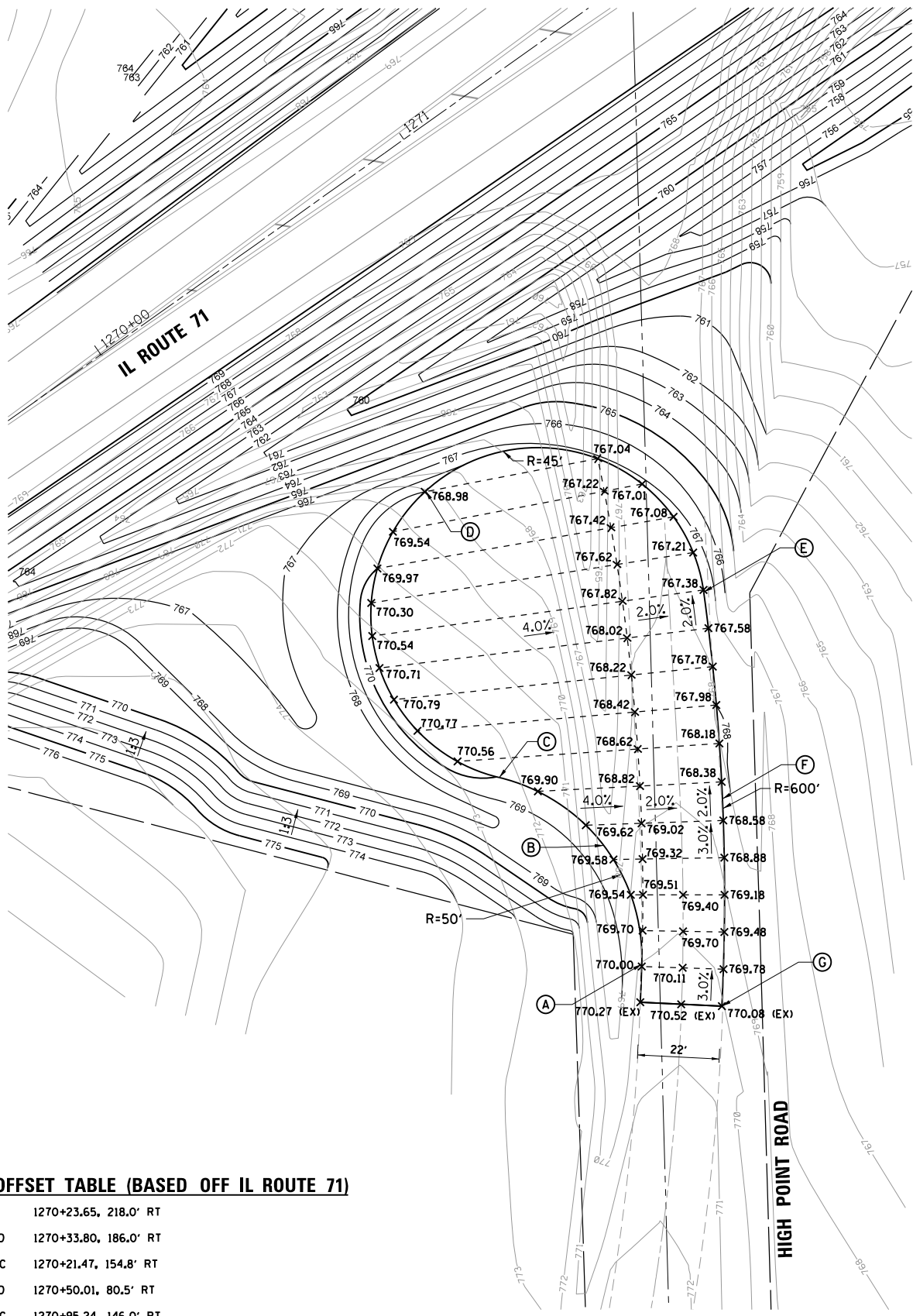


USER NAME = mfeiler	DESIGNED - JMR	REVISED -
	DRAWN - RCB	REVISED -
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PLOT DATE = 8/17/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

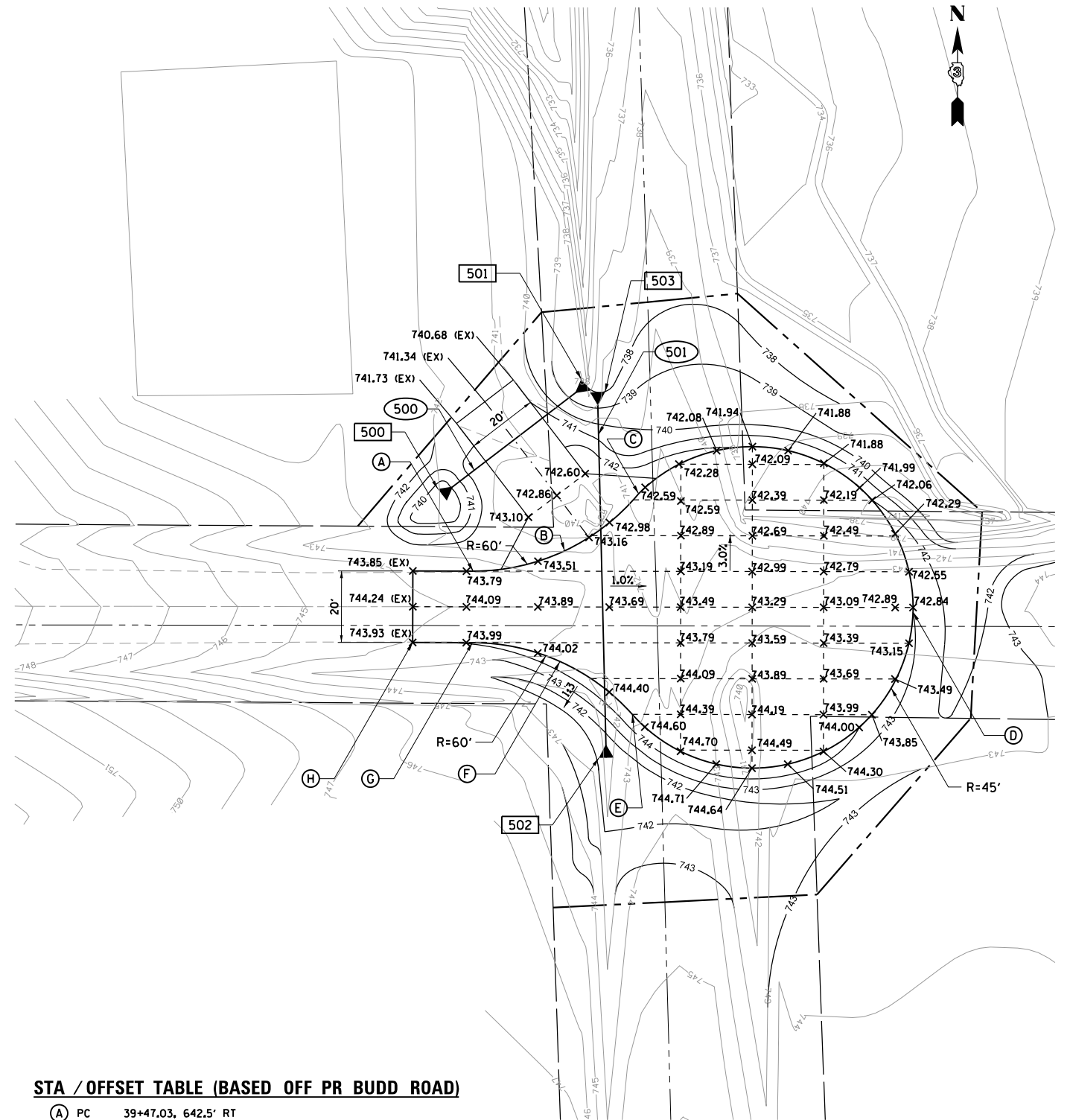
INTERSECTION PAVEMENT ELEVATION PLAN FOX ROAD (WEST)				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	136
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



STA / OFFSET TABLE (BASED OFF IL ROUTE 71)

(A)	PC	1270+23.65, 218.0' RT
(B)	MID	1270+33.80, 186.0' RT
(C)	PCC	1270+21.47, 154.8' RT
(D)	MID	1270+50.01, 80.5' RT
(E)	PCC	1270+95.24, 146.0' RT
(F)	MID	1270+67.13, 194.3' RT
(G)	PT	1270+34.66, 239.7' RT



STA / OFFSET TABLE (BASED OFF PR BUDD ROAD)

(A)	PC	39+47.03, 642.5' RT
(B)	MID	40+02.84, 646.8' RT
(C)	PCC	40+56.32, 638.5' RT
(D)	MID	41+82.39, 690.2' RT
(E)	PCC	40+06.72, 696.3' RT
(F)	MID	39+75.21, 675.2' RT
(G)	PT	39+28.99, 660.8' RT
(H)	POT	38+95.50, 653.7' RT

HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01.dgn
 PEN TABLE: 19-00153-00-01.tbl



USER NAME =	mfaller
DESIGNED -	JMR
DRAWN -	RCB
PLOT SCALE =	
CHECKED -	APS
PLOT DATE =	8/17/2020

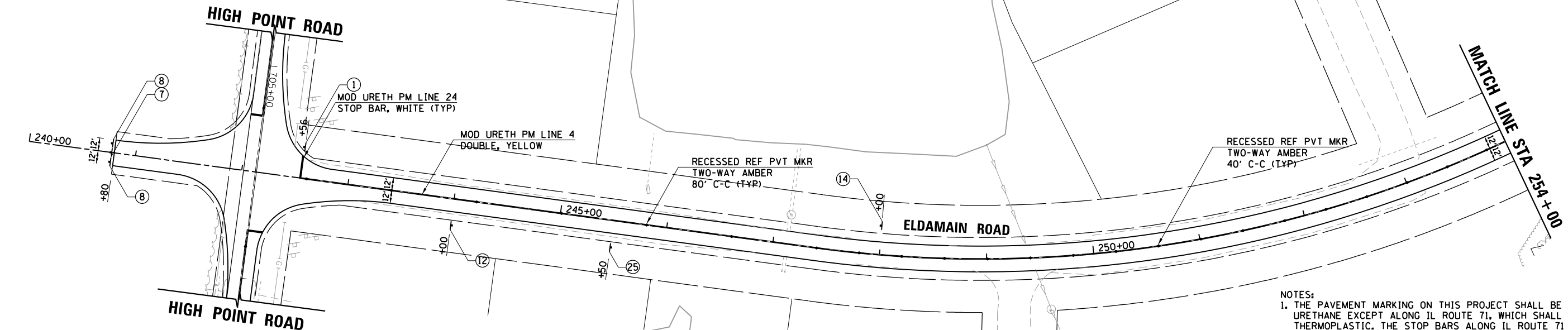
DESIGNED -	JMR
REVISD -	
DRAWN -	RCB
REVISD -	
CHECKED -	APS
REVISD -	
DATE -	
REVISD -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION PAVEMENT ELEVATION PLAN
 CUL-DE-SACS**

SCALE: SHEET OF SHEETS STA. TO STA.

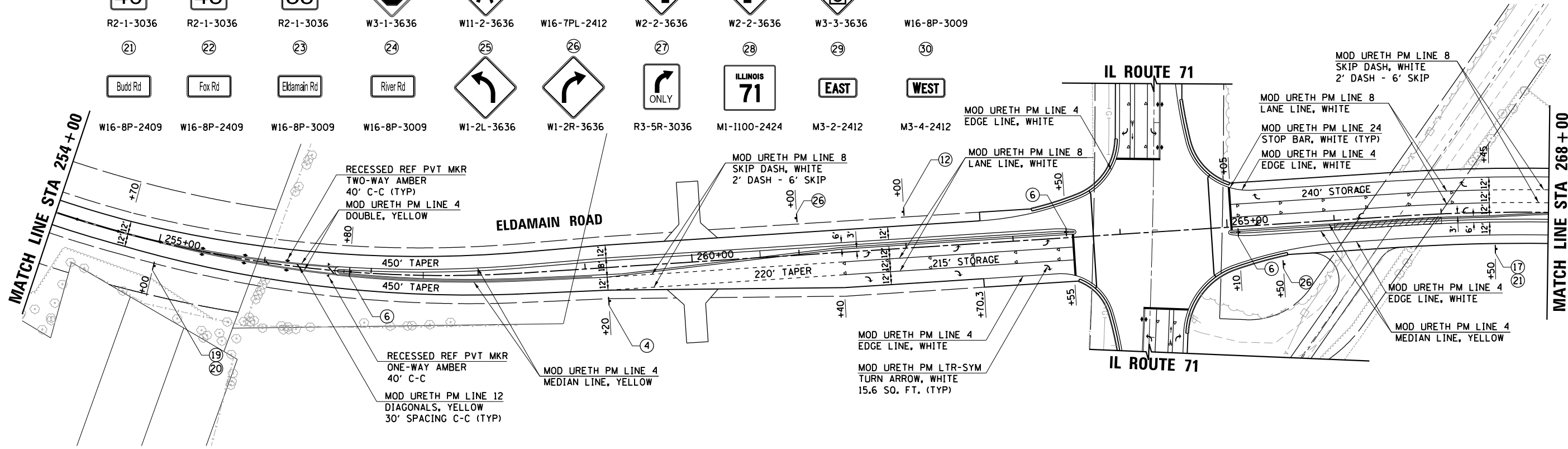
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	137
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



SIGN LEGEND

① STOP R1-1-3636 (BLACK ON YELLOW)	② CROSS TRAFFIC DOES NOT STOP W4-1100-3018	③ RIGHT LANE MUST TURN RIGHT R3-7R-3636	④ ONLY ONLY ONLY R3-8b-3630	⑤ ONLY R3-8-3030	⑥ R4-7-2430	⑦ ROAD ENDS R11-1100-4830	⑧ OM4-1-1818	⑨ R R W10-1-36DIA	⑩ W1-7-4824
⑪ SPEED LIMIT 40 R2-1-3036	⑫ SPEED LIMIT 45 R2-1-3036	⑬ SPEED LIMIT 55 R2-1-3036	⑭ W3-1-3636	⑮ W11-2-3636	⑯ W16-7PL-2412	⑰ W2-2-3636	⑱ W2-2-3636	⑳ W3-3-3636	㉑ W16-8P-3009
㉒ Budd Rd W16-8P-2409	㉓ Fox Rd W16-8P-2409	㉔ Eldamain Rd W16-8P-3009	㉕ River Rd W16-8P-3009	㉖ W1-2L-3636	㉗ W1-2R-3636	㉘ R3-5R-3036	㉙ M1-1100-2424	㉚ M3-2-2412	㉛ M3-4-2412

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



HRG PROJECT NO.: 88930381
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 FILE NAME: 19-00153-00-07-01-01.dwg
 PEN TABLE: 19-00153-00-07-01-01.tbl



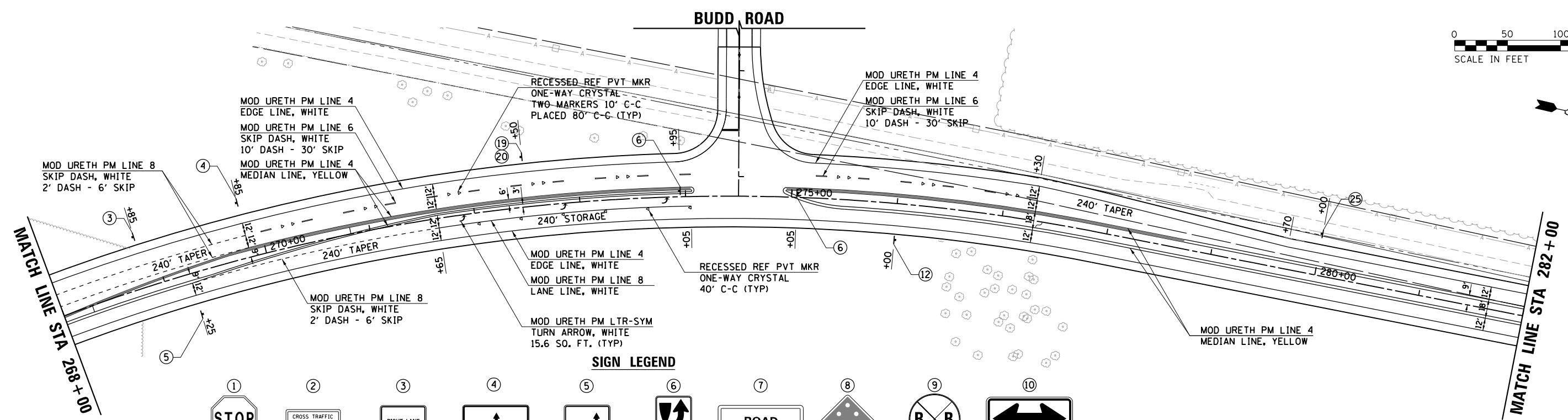
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PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
 ELDAMAIN ROAD (SHEET 1 OF 7)**

SCALE: SHEET OF SHEETS STA. TO STA.

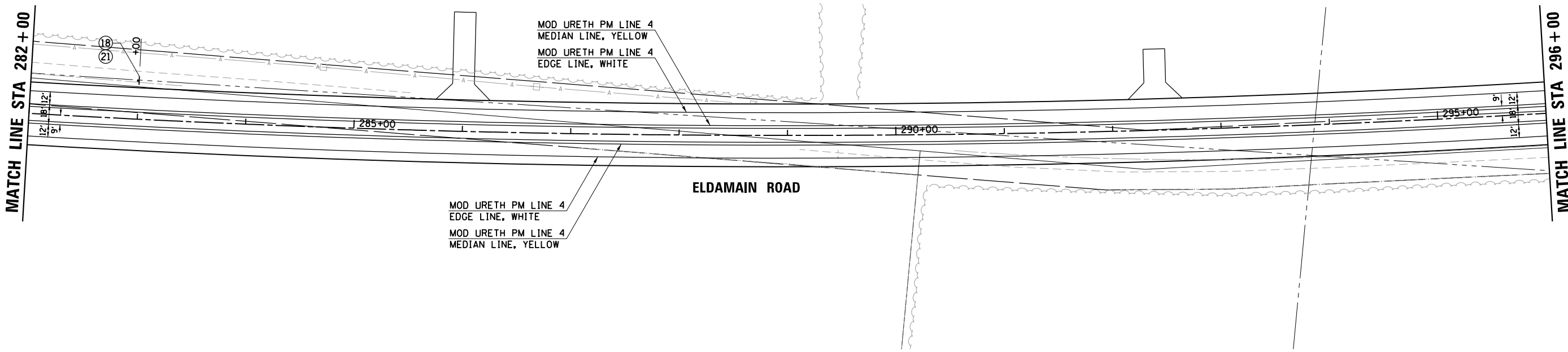
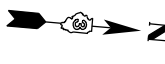
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	138
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



SIGN LEGEND

1 W4-1100-3018 R1-1-3636 (BLACK ON YELLOW)	2 R3-7R-3636	3 R3-8b-3630	4 R3-8-3030	5 R4-7-2430	6 R11-1100-4830	7 OM4-1-1818	8 W10-1-36D1A	9 W1-7-4824	10 W16-8P-3009
11 R2-1-3036	12 R2-1-3036	13 R2-1-3036	14 W3-1-3636	15 W11-2-3636	16 W16-7PL-2412	17 W2-2-3636	18 W2-2-3636	19 W3-3-3636	20 W16-8P-3009
21 W16-8P-2409	22 W16-8P-2409	23 W16-8P-3009	24 W16-8P-3009	25 W1-2L-3636	26 W1-2R-3636	27 R3-5R-3036	28 M1-1100-2424	29 M3-2-2412	30 M3-4-2412

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-02.dgn
 PEN TABLE: 19-00153-00-02.tbl



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	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 8/17/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
 EL DAMAIN ROAD (SHEET 2 OF 7)**

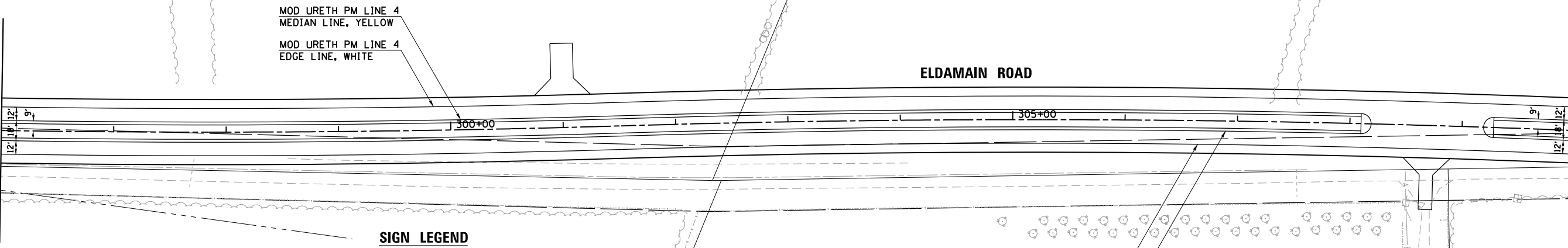
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT.:	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	139
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



MATCH LINE STA 296+00

MATCH LINE STA 310+00



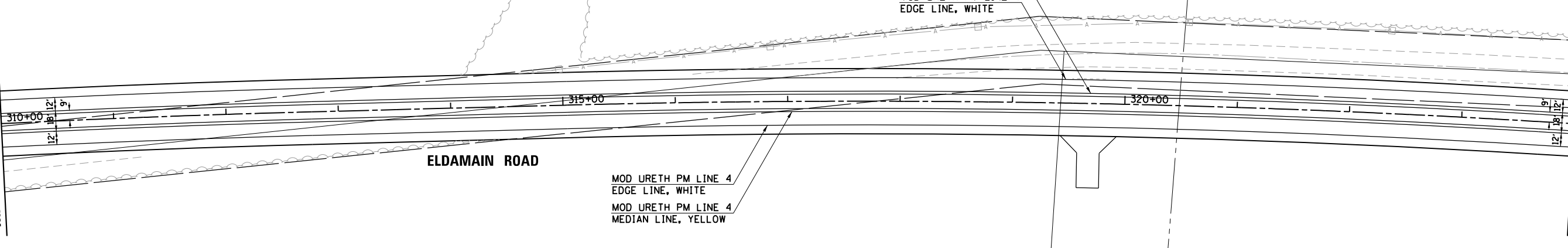
SIGN LEGEND

① STOP R1-1-3636 (BLACK ON YELLOW)	② CROSS TRAFFIC DOES NOT STOP W4-I100-3018	③ RIGHT LANE MUST TURN RIGHT R3-7R-3636	④ ONLY ONLY ONLY R3-8b-3630	⑤ ONLY R3-8-3030	⑥ R4-7-2430	⑦ ROAD ENDS R11-I100-4830	⑧ OM4-1-1818	⑨ R R W10-1-36D1A	⑩ W1-7-4824
⑪ SPEED LIMIT 40 R2-1-3036	⑫ SPEED LIMIT 45 R2-1-3036	⑬ SPEED LIMIT 55 R2-1-3036	⑭ W3-1-3636	⑮ W11-2-3636	⑯ W16-7PL-2412	⑰ W2-2-3636	⑱ W2-2-3636	⑲ W3-3-3636	⑳ ILLINOIS 71 W16-8P-3009
㉑ Budd Rd W16-8P-2409	㉒ Fox Rd W16-8P-2409	㉓ Eldamain Rd W16-8P-3009	㉔ River Rd W16-8P-3009	㉕ W1-2L-3636	㉖ W1-2R-3636	㉗ R3-5R-3036	㉘ MI-I100-2424	㉙ M3-2-2412	㉚ M3-4-2412

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

MATCH LINE STA 310+00

MATCH LINE STA 324+00



HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 88030381.dgn
 PEN TABLE: 10/10/2017

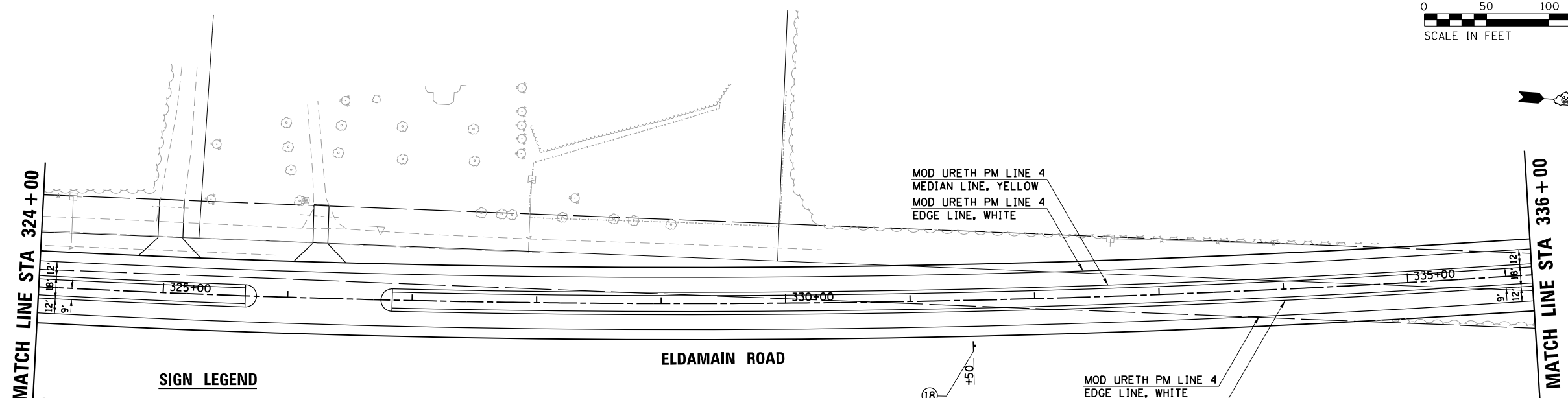


USER NAME = mfeiler	DESIGNED - JMR	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLANS			
ELDAMAIN ROAD (SHEET 3 OF 7)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	140
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	

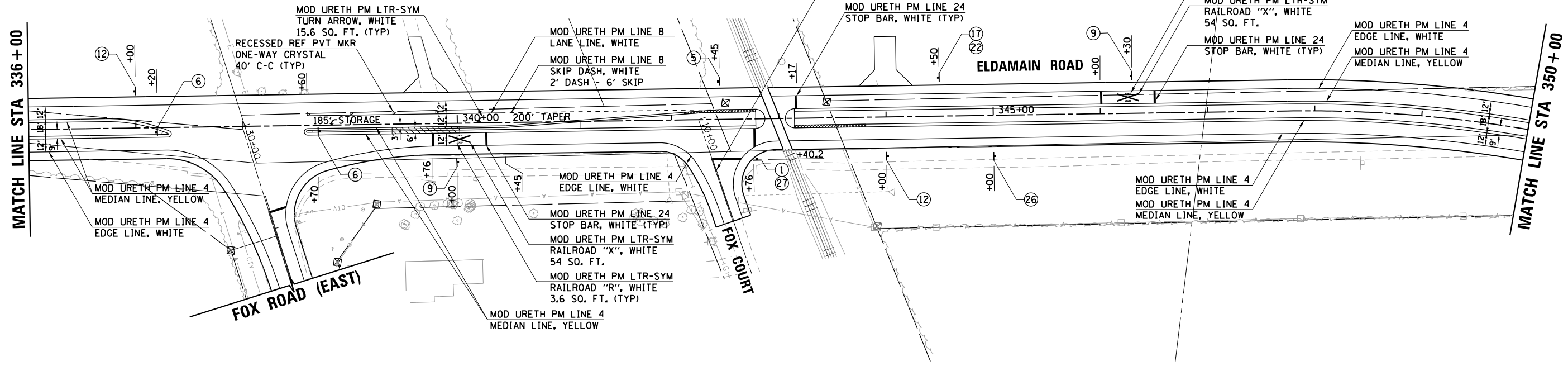


SIGN LEGEND

1 STOP R1-1-3636 (BLACK ON YELLOW)	2 CROSS TRAFFIC DOES NOT STOP W4-1100-3018	3 RIGHT LANE MUST TURN RIGHT R3-7R-3636	4 ONLY ONLY ONLY R3-8b-3630	5 ONLY R3-8-3030	6 R4-7-2430	7 ROAD ENDS R11-1100-4830	8 OM4-1-1818	9 R R W10-1-36D1A	10 W1-7-4824
11 SPEED LIMIT 40 R2-1-3036	12 SPEED LIMIT 45 R2-1-3036	13 SPEED LIMIT 55 R2-1-3036	14 W3-1-3636	15 W11-2-3636	16 W16-7PL-2412	17 W2-2-3636	18 W2-2-3636	19 W3-3-3636	20 W16-8P-3009
21 Budd Rd W16-8P-2409	22 Fox Rd W16-8P-2409	23 Eldamain Rd W16-8P-3009	24 River Rd W16-8P-3009	25 W1-2L-3636	26 W1-2R-3636	27 R3-5R-3036	28 MI-1100-2424	29 M3-2-2412	30 M3-4-2412

MOD URETH PM LINE 4
EDGE LINE, WHITE
MOD URETH PM LINE 4
MEDIAN LINE, YELLOW

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
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 PEN TABLE: 190153-00-07-04.tbl



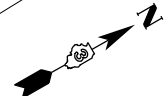
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

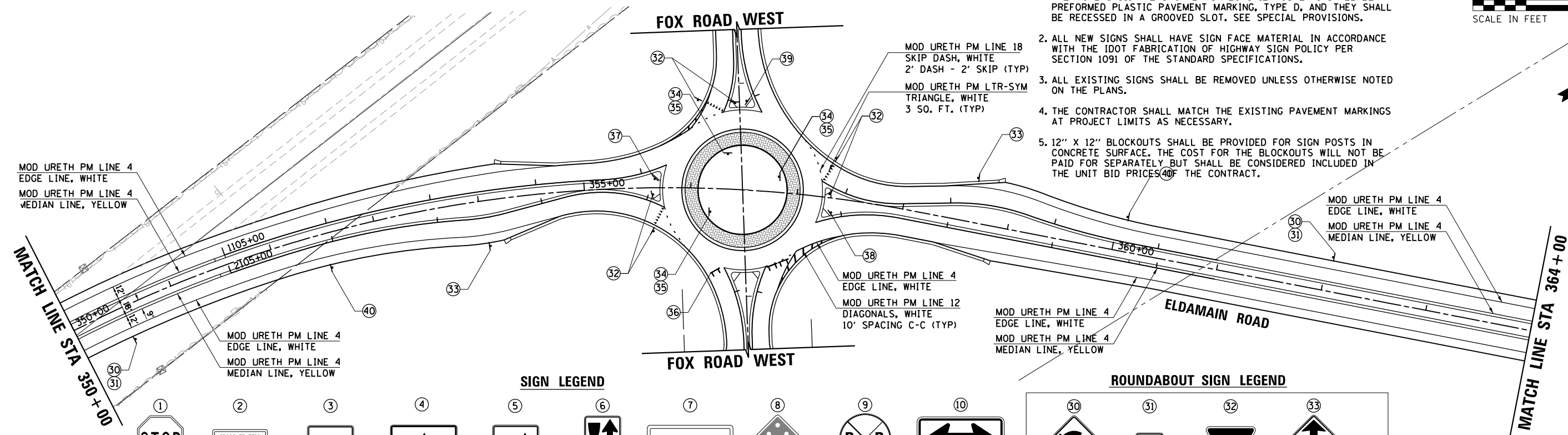
**PAVEMENT MARKING AND SIGNAGE PLANS
ELDAMAIN ROAD (SHEET 4 OF 7)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	141
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
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 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

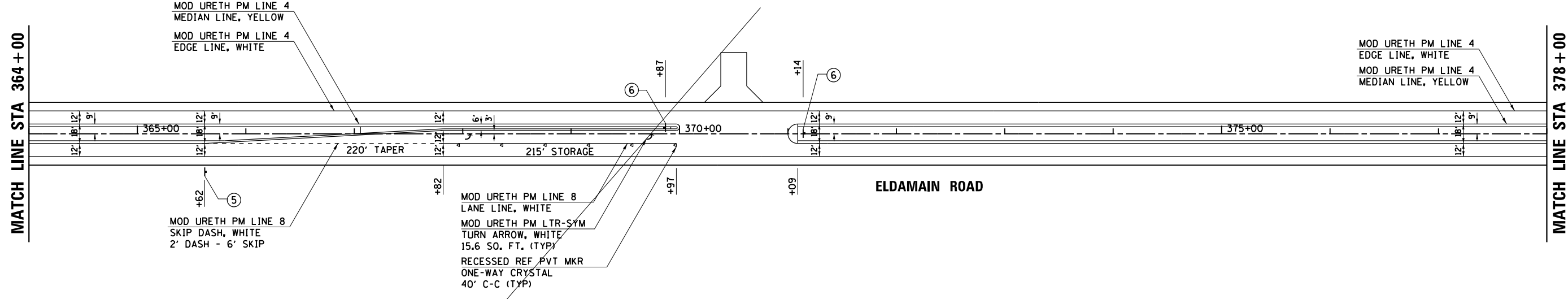


SIGN LEGEND

1 STOP	2 CROSS TRAFFIC DOES NOT STOP	3 RIGHT LANE MUST TURN RIGHT	4 ONLY ONLY ONLY	5 ONLY	6	7 ROAD ENDS	8	9 R R	10
R1-1-3636 (BLACK ON YELLOW)	W4-I100-3018	R3-7R-3636	R3-8b-3630	R3-8-3030	R4-7-2430	R11-I100-4830	OM4-1-1818	W10-1-36D1A	W1-7-4824
11 SPEED LIMIT 40	12 SPEED LIMIT 45	13 SPEED LIMIT 55	14	15	16	17	18	19	20
R2-1-3036	R2-1-3036	R2-1-3036	W3-1-3636	W11-2-3636	W16-7PL-2412	W2-2-3636	W2-2-3636	W3-3-3636	W16-8P-3009
21 Budd Rd	22 Fox Rd	23 Eldamain Rd	24 River Rd	25	26	27 ONLY	28 ILLINOIS 71	29 EAST	30 WEST
W16-8P-2409	W16-8P-2409	W16-8P-3009	W16-8P-3009	W1-2L-3636	W1-2R-3636	R3-5R-3036	M1-I100-2424	M3-2-2412	M3-4-2412

ROUNDAABOUT SIGN LEGEND

30	31	32	33
W2-6-3636	W13-1P-1818	R1-2-3636	W3-2A-3636
34 ONE WAY	35	36 ROAD CLOSED	37 South Eldamain Rd
R6-1R-3612	R6-4a-4824	R11-2-4830	D1-1d-2418
38 North Eldamain Rd	39 West Fox Rd	40	41
D1-1d-2418	D1-1d-2418	D1-5-9666	D1-5-9666
		42	
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HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
 FILE NAME: 88930381.dgn
 PEN TABLE: 10/10/2019



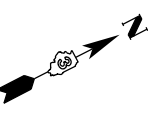
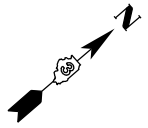
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PLOT DATE = 8/19/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLANS			
ELDAMAIN ROAD (SHEET 5 OF 7)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	142
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	

- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

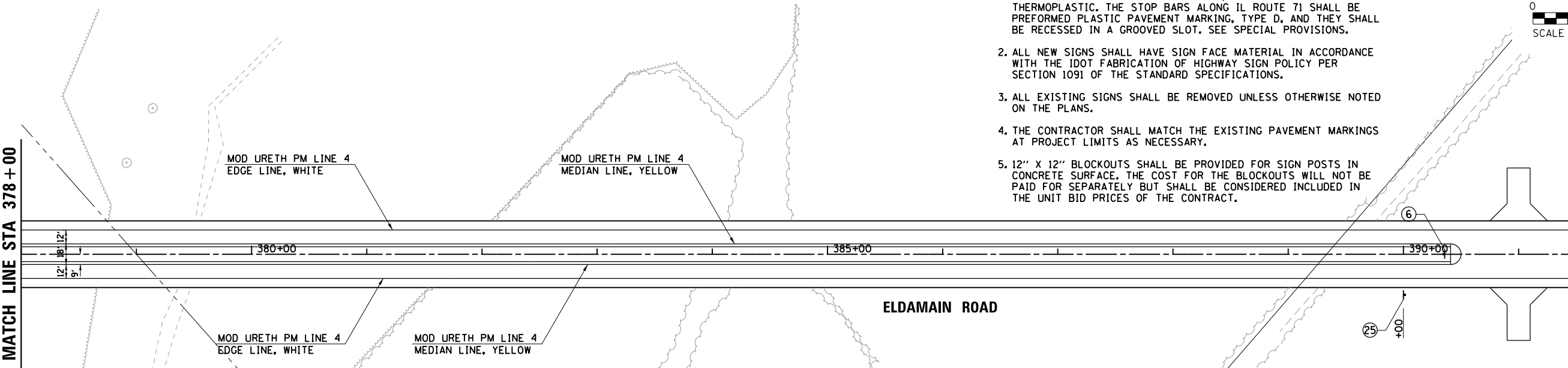


MATCH LINE STA 378+00

MATCH LINE STA 392+00

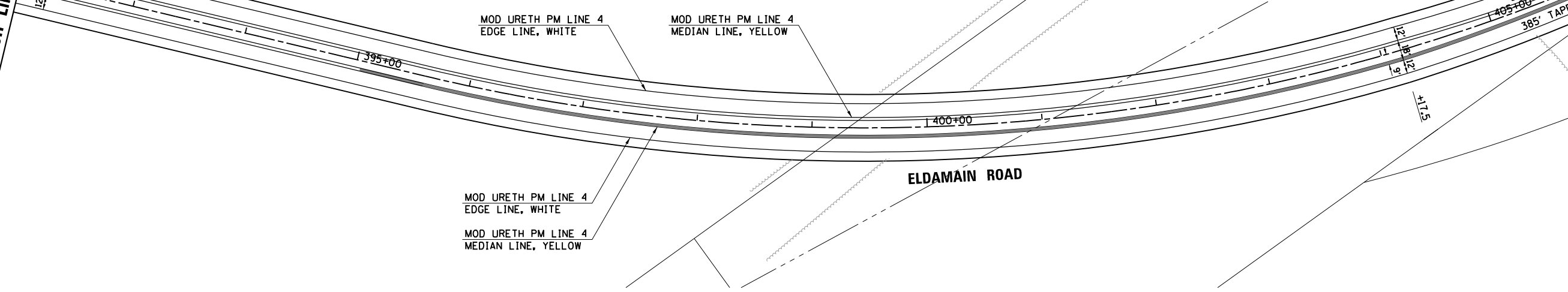
MATCH LINE STA 392+00

MATCH LINE STA 406+00



SIGN LEGEND

1 R1-1-3636 (BLACK ON YELLOW)	2 W4-1100-3018	3 R3-7R-3636	4 R3-8b-3630	5 R3-8-3030	6 R4-7-2430	7 R11-1100-4830	8 OM4-1-1818	9 W10-1-36D1A	10 W1-7-4824
11 R2-1-3036	12 R2-1-3036	13 R2-1-3036	14 W3-1-3636	15 W11-2-3636	16 W16-7PL-2412	17 W2-2-3636	18 W2-2-3636	19 W3-3-3636	20 W16-8P-3009
21 W16-8P-2409	22 W16-8P-2409	23 W16-8P-3009	24 W16-8P-3009	25 W1-2L-3636	26 W1-2R-3636	27 R3-5R-3036	28 M1-1100-2424	29 M3-2-2412	30 M3-4-2412



HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-00-06.dgn
 PEN TABLE: 19-00153-00-06.tbl



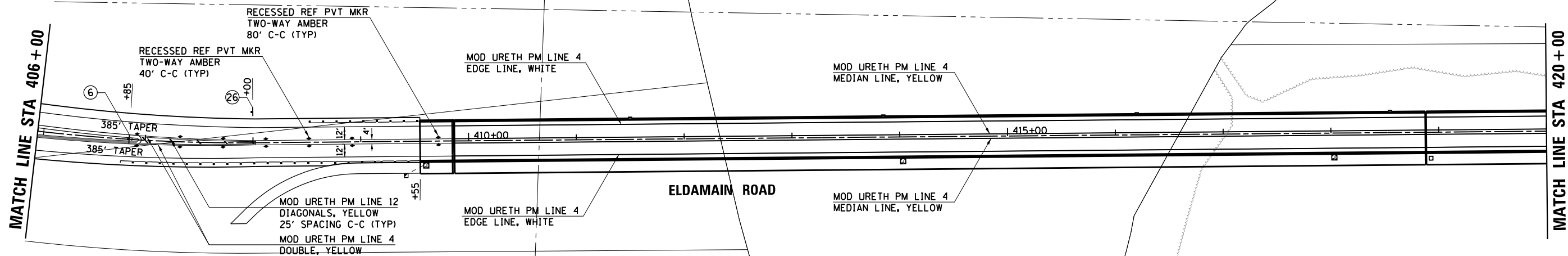
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PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 8/17/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLANS
 ELDAMAIN ROAD (SHEET 6 OF 7)

SCALE: SHEET OF SHEETS STA. TO STA.

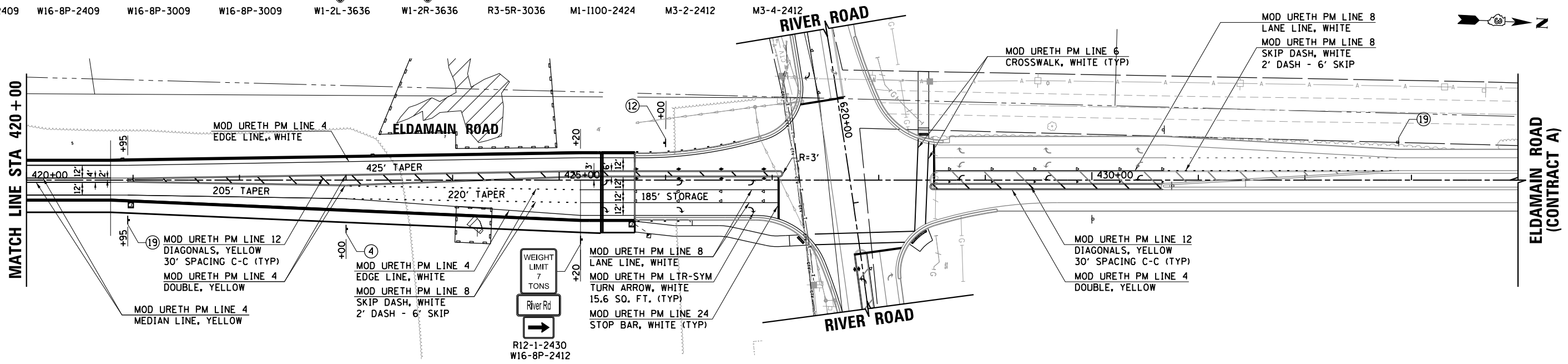
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	143
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 87731



SIGN LEGEND

① STOP	② CROSS TRAFFIC DOES NOT STOP	③ RIGHT LANE MUST TURN RIGHT	④ ONLY ONLY ONLY	⑤ ONLY	⑥	⑦ ROAD ENDS	⑧	⑨ R R	⑩
W4-1100-3018	R1-1-3636 (BLACK ON YELLOW)	R3-7R-3636	R3-8b-3630	R3-8-3030	R4-7-2430	R11-1100-4830	OM4-1-1818	W10-1-36DIA	W1-7-4824
⑪ SPEED LIMIT 40	⑫ SPEED LIMIT 45	⑬ SPEED LIMIT 55	⑭	⑮	⑯	⑰	⑱	⑳	ILLINOIS 71
R2-1-3036	R2-1-3036	R2-1-3036	W3-1-3636	W11-2-3636	W16-7PL-2412	W2-2-3636	W2-2-3636	W3-3-3636	W16-8P-3009
⑳ Budd Rd	㉑ Fox Rd	㉒ Eldamain Rd	㉓ River Rd	㉔	㉕	㉖ ONLY	㉗ ILLINOIS 71	㉘ EAST	㉙ WEST
W16-8P-2409	W16-8P-2409	W16-8P-3009	W16-8P-3009	W1-2L-3636	W1-2R-3636	R3-5R-3036	M1-1100-2424	M3-2-2412	M3-4-2412

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-07.dgn
 PEN TABLE: 19-00153-00-07.tbl



USER NAME = mfaller	DESIGNED - JMR	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

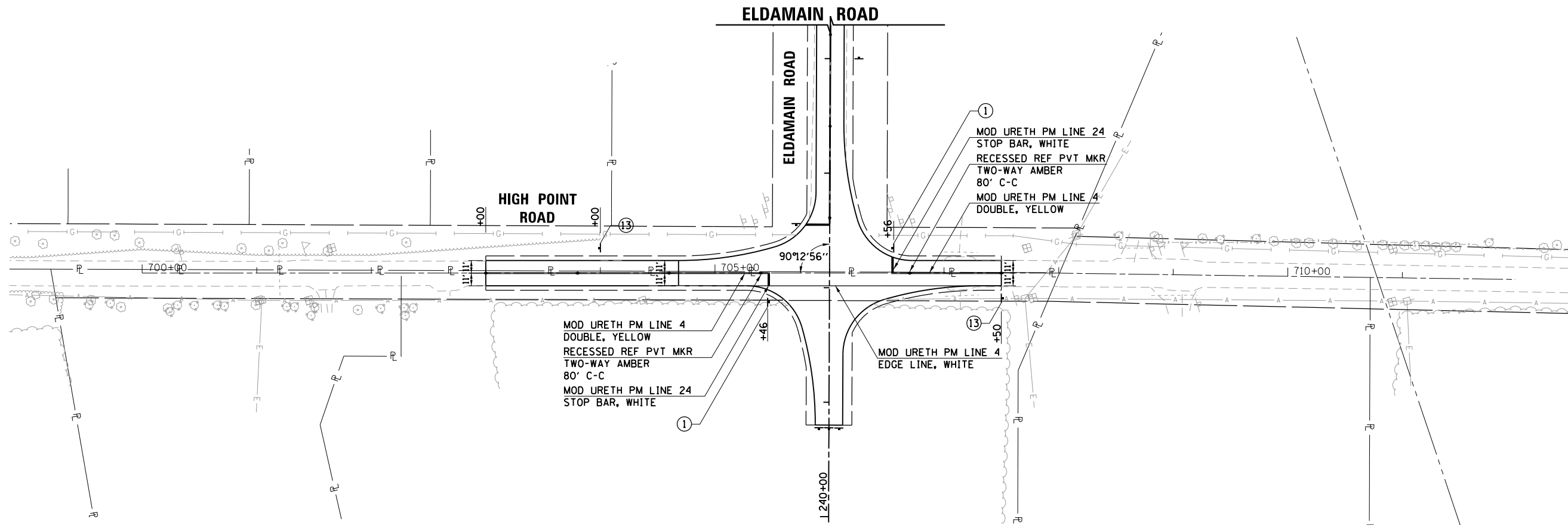
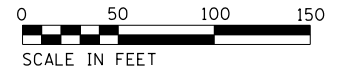
PAVEMENT MARKING AND SIGNAGE PLANS			
ELDAMAIN ROAD (SHEET 7 OF 7)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	144
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	

SIGN LEGEND

① STOP R1-1-3636 (BLACK ON YELLOW)	② CROSS TRAFFIC DOES NOT STOP W4-1100-3018	③ RIGHT LANE MUST TURN RIGHT R3-7R-3636	④ ONLY ONLY ONLY R3-8b-3630	⑤ ONLY R3-8-3030	⑥ R4-7-2430	⑦ ROAD ENDS R11-1100-4830	⑧ OM4-1-1818	⑨ R R W10-1-36D1A	⑩ W1-7-4824
⑪ SPEED LIMIT 40 R2-1-3036	⑫ SPEED LIMIT 45 R2-1-3036	⑬ SPEED LIMIT 55 R2-1-3036	⑭ W3-1-3636	⑮ W11-2-3636	⑯ W16-7PL-2412	⑰ W2-2-3636	⑱ W2-2-3636	⑲ W3-3-3636	⑳ ILLINOIS 71 W16-8P-3009
㉑ Budd Rd W16-8P-2409	㉒ Fox Rd W16-8P-2409	㉓ Eldamain Rd W16-8P-3009	㉔ River Rd W16-8P-3009	㉕ W1-2L-3636	㉖ W1-2R-3636	㉗ R3-5R-3036	㉘ ILLINOIS 71 MI-1100-2424	㉙ EAST M3-2-2412	㉚ WEST M3-4-2412

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 88030381.dgn
 PEN TABLE: 10/10/2017.tbl



USER NAME = mfeiler	DESIGNED - JMR	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

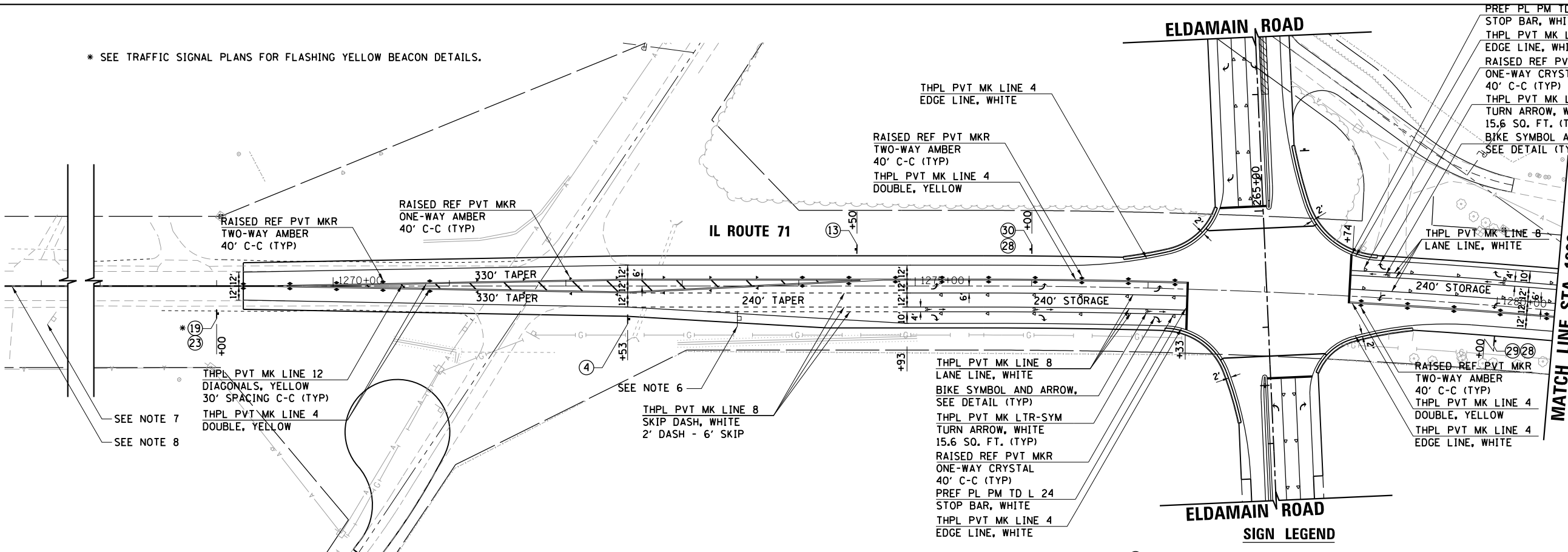
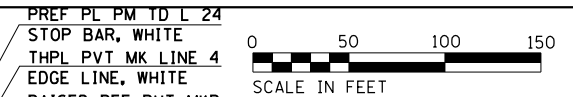
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
HIGH POINT ROAD (SHEET 1 OF 1)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	145
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	

* SEE TRAFFIC SIGNAL PLANS FOR FLASHING YELLOW BEACON DETAILS.

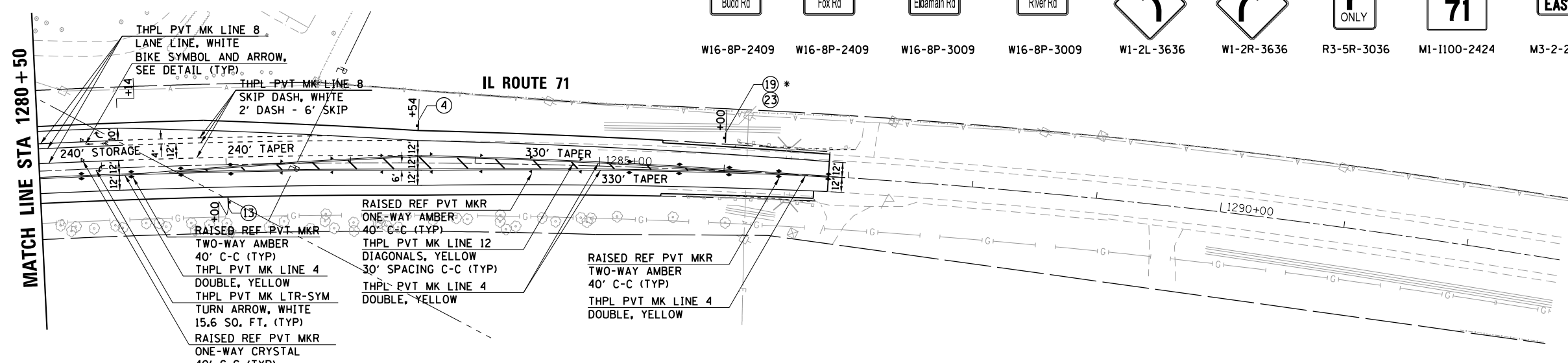


MATCH LINE STA 1280 + 50

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

6. THE EXISTING ADOPT-A-HIGHWAY SIGN PANEL ASSEMBLY LOCATED AT APPROX. STA 1273+50, 28' RT SHALL BE RELOCATED ON A NEW POST TO STA 1271+00, 30' RT.
7. THE EXISTING INTERSECTION WARNING SIGNS AND POST LOCATED AT STA 1266+09.04, 28' RT SHALL BE REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
8. THE DOUBLE YELLOW PAVEMENT MARKING SHALL BEGIN AT STATION 1265+00.

1	2	3	4	5	6	7	8	9	10
R1-1-3636 (BLACK ON YELLOW)	W4-1100-3018	R3-7R-3636	R3-8b-3630	R3-8-3030	R4-7-2430	R11-1100-4830	OM4-1-1818	W10-1-36DIA	W1-7-4824
11	12	13	14	15	16	17	18	19	20
R2-1-3036	R2-1-3036	R2-1-3036	W3-1-3636	W11-2-3636	W16-7PL-2412	W2-2-3636	W2-2-3636	W3-3-3636	W16-8P-3009
21	22	23	24	25	26	27	28	29	30
W16-8P-2409	W16-8P-2409	W16-8P-3009	W16-8P-3009	W1-2L-3636	W1-2R-3636	R3-5R-3036	M1-1100-2424	M3-2-2412	M3-4-2412



HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01-PAVEMENT MARKING AND SIGNAGE PLANS
 PEN TABLE: 19-00153-00-01-PAVEMENT MARKING AND SIGNAGE PLANS



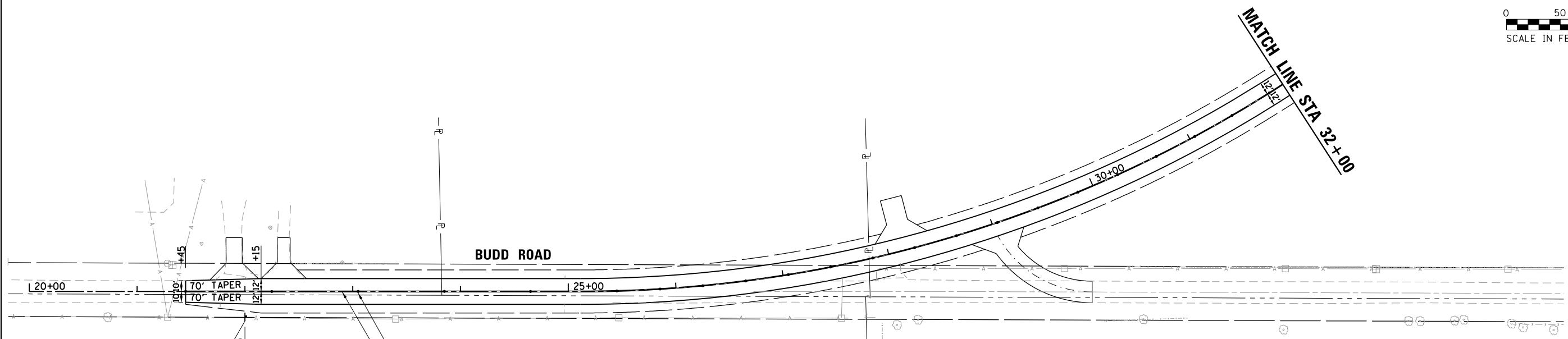
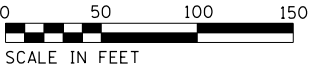
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	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 8/19/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNAGE PLANS
IL ROUTE 71 (SHEET 1 OF 1)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	146
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 87731	

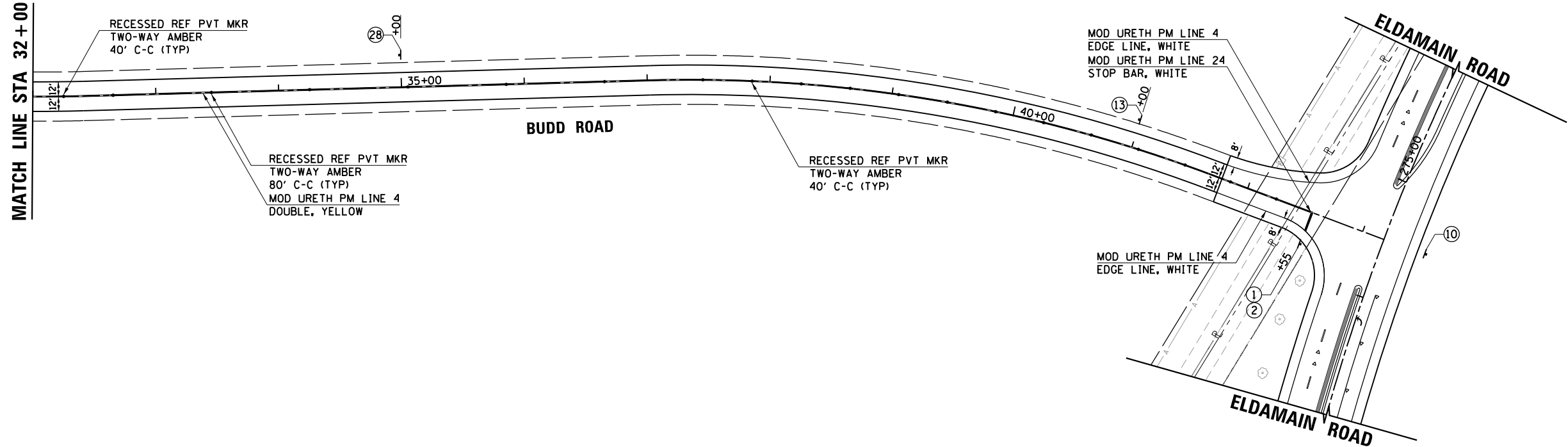


RECESSED REF PVT MKR
TWO-WAY AMBER
80' C-C (TYP)
MOD URETH PM LINE 4
DOUBLE, YELLOW

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

SIGN LEGEND

1 STOP R1-1-3636	2 CROSS TRAFFIC DOES NOT STOP W4-1100-3018	3 RIGHT LANE MUST TURN RIGHT R3-7R-3636	4 ONLY ONLY ONLY R3-8b-3630	5 ONLY R3-8-3030	6 R4-7-2430	7 ROAD ENDS R11-1100-4830	8 OM4-1-1818	9 R R W10-1-36D1A	10 W1-7-4824
11 SPEED LIMIT 40 R2-1-3036	12 SPEED LIMIT 45 R2-1-3036	13 SPEED LIMIT 55 R2-1-3036	14 W3-1-3636	15 W11-2-3636	16 W16-7PL-2412	17 W2-2-3636	18 W2-2-3636	19 W3-3-3636	20 ILLINOIS 71 W16-8P-3009
21 Budd Rd W16-8P-2409	22 Fox Rd W16-8P-2409	23 Eldamain Rd W16-8P-3009	24 River Rd W16-8P-3009	25 W1-2L-3636	26 W1-2R-3636	27 R3-5R-3036	28 ILLINOIS 71 M1-1100-2424	29 EAST M3-2-2412	30 WEST M3-4-2412



RECESSED REF PVT MKR
TWO-WAY AMBER
80' C-C (TYP)
MOD URETH PM LINE 4
DOUBLE, YELLOW

RECESSED REF PVT MKR
TWO-WAY AMBER
40' C-C (TYP)

MOD URETH PM LINE 4
EDGE LINE, WHITE
MOD URETH PM LINE 24
STOP BAR, WHITE

MOD URETH PM LINE 4
EDGE LINE, WHITE

HRG PROJECT NO.: 88030381
HRG PROJ. CONTACT:
FILE NAME: 19-00153-00-01-01-01-01.dwg
PEN TABLE: 19-00153-00-01-01-01-01.tbl



USER NAME = mfeiler	DESIGNED - JMR	REVISED -
DRAWN - RCB	REVISOR -	
CHECKED - APS	REVISOR -	
DATE - 8/17/2020	DATE -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

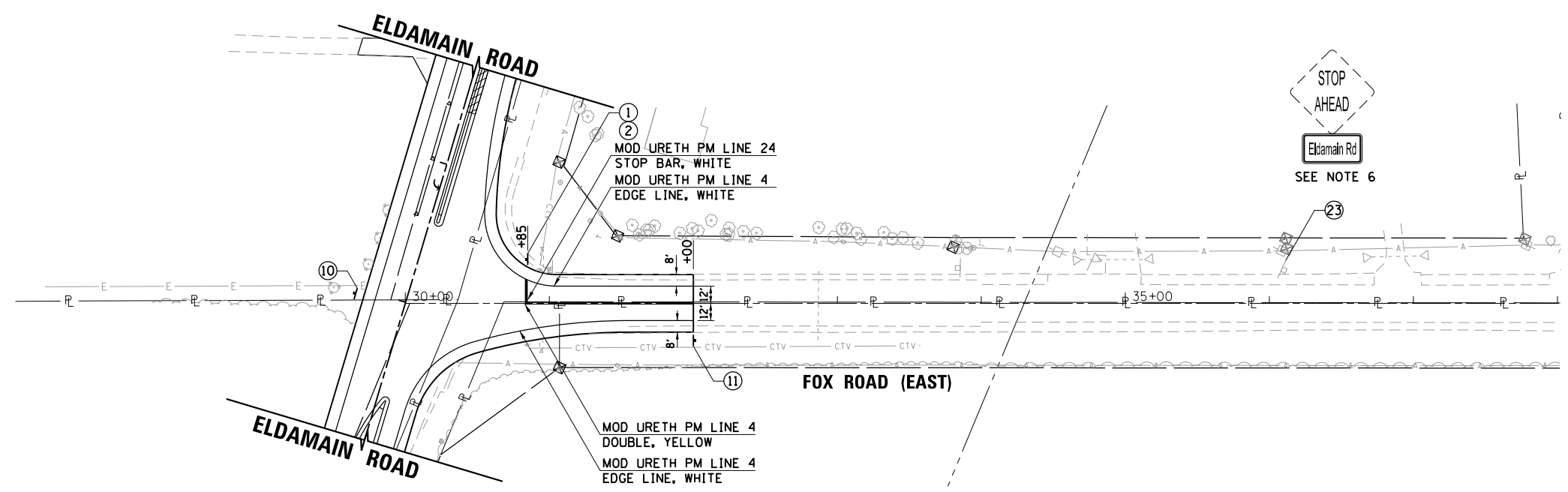
**PAVEMENT MARKING AND SIGNAGE PLANS
BUDD ROAD (SHEET 1 OF 1)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 4000	SECTION NO. 19-00153-00-BR	COUNTY KENDALL	TOTAL SHEETS 485	SHEET NO. 147
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PERFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 1091 OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
 6. THE EXISTING W16-8 (HIGHPOINT RD) NAME PLAQUE SIGN AND THE EXISTING W16-8 (FOX RD) NAME PLAQUE SIGN AT STA 36+10 SHALL BE REMOVED AND REPLACED WITH A NEW W16-8 (ELDAMAIN RD) NAME PLAQUE SIGN.



SIGN LEGEND

① R1-1-3636 (BLACK ON YELLOW)	② W4-I100-3018	③ R3-7R-3636	④ R3-8b-3630	⑤ R3-8-3030	⑥ R4-7-2430	⑦ R11-I100-4830	⑧ OM4-1-1818	⑨ W10-1-36D1A	⑩ W1-7-4824
⑪ R2-1-3036	⑫ R2-1-3036	⑬ R2-1-3036	⑭ W3-1-3636	⑮ W11-2-3636	⑯ W16-7PL-2412	⑰ W2-2-3636	⑱ W2-2-3636	⑲ W3-3-3636	⑳ W16-8P-3009
⑳ W16-8P-2409	㉑ W16-8P-2409	㉒ W16-8P-3009	㉓ W16-8P-3009	㉔ W1-2L-3636	㉕ W1-2R-3636	㉖ R3-5R-3036	㉗ M1-I100-2424	㉘ M3-2-2412	㉙ M3-4-2412

HRG PROJECT NO.: 88030381
 HRG PROJ. CONTACT:
 FILE NAME: 88030381.dwg
 PEN TABLE: 10/10/2021.tbl



USER NAME = mfeiler	DESIGNED - JMR	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 8/19/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

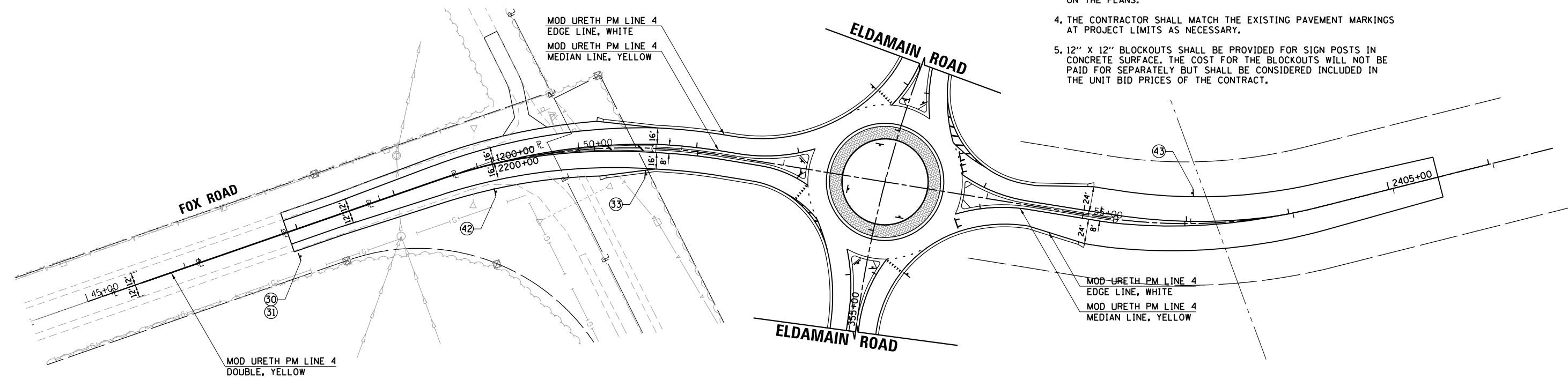
**PAVEMENT MARKING AND SIGNAGE PLANS
FOX ROAD (EAST) (SHEET 1 OF 1)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	148
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87731	



- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE EXCEPT ALONG IL ROUTE 71, WHICH SHALL BE THERMOPLASTIC. THE STOP BARS ALONG IL ROUTE 71 SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, AND THEY SHALL BE RECESSED IN A GROOVED SLOT. SEE SPECIAL PROVISIONS.
 2. ALL NEW SIGNS SHALL HAVE SIGN FACE MATERIAL IN ACCORDANCE WITH THE IDOT FABRICATION OF HIGHWAY SIGN POLICY PER SECTION 109I OF THE STANDARD SPECIFICATIONS.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.
 5. 12" X 12" BLOCKOUTS SHALL BE PROVIDED FOR SIGN POSTS IN CONCRETE SURFACE. THE COST FOR THE BLOCKOUTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.



SIGN LEGEND

1 STOP R1-1-3636 (BLACK ON YELLOW)	2 CROSS TRAFFIC DOES NOT STOP W4-1100-3018	3 RIGHT LANE MUST TURN RIGHT R3-7R-3636	4 ONLY ONLY ONLY R3-8b-3630	5 ONLY R3-8-3030	6 R4-7-2430	7 ROAD ENDS R11-1100-4830	8 OM4-1-1818	9 R R W10-1-36DIA	10 W1-7-4824
11 SPEED LIMIT 40 R2-1-3036	12 SPEED LIMIT 45 R2-1-3036	13 SPEED LIMIT 55 R2-1-3036	14 W3-1-3636	15 W11-2-3636	16 W16-7PL-2412	17 W2-2-3636	18 W2-2-3636	19 W3-3-3636	20 ILLINOIS 71 W16-8P-3009
21 Budd Rd W16-8P-2409	22 Fox Rd W16-8P-2409	23 Eldmain Rd W16-8P-3009	24 River Rd W16-8P-3009	25 W1-2L-3636	26 W1-2R-3636	27 R3-5R-3036	28 ILLINOIS 71 M1-1100-2424	29 EAST M3-2-2412	30 WEST M3-4-2412

ROUNDAABOUT SIGN LEGEND

30 W2-6-3636	31 15 MPH W13-1P-1818	32 R1-2-3636	33 W3-2A-3636
34 R6-1R-3612	35 R6-4a-4824	36 ROAD CLOSED R11-2-4830	37 D1-1d-2418
38 North Eldmain Rd D1-1d-2418	39 West Fox Rd D1-1d-2418	40 North Eldmain Rd D1-5-9666	41 South Eldmain Rd D1-5-9666
		42 East Fox Rd D1-5-12066	43 West Fox Rd D1-5-12066

HRG PROJECT NO.: 88930381
 HRG PROJ. CONTACT:
 FILE NAME: 19-00153-00-01-01-01.dwg
 PEN TABLE: 19-00153-00-01-01-01.tbl



USER NAME = mfeiler	DESIGNED - JMR	REVISED -
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PLOT DATE = 8/17/2020	CHECKED - APS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLANS			
FOX ROAD (WEST) (SHEET 1 OF 1)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	149
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 87731

ITEM	UNIT	ELDAMAIN ROAD AT IL ROUTE 71	ELDAMAIN ROAD AT RIVER ROAD	TOTAL
SIGN PANEL - TYPE 1	SQ FT	20	20	40
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1	-	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	-	1	1
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	1586	-	1586
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	131	75	206
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	82	106	188
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	412	439	851
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	24	-	24
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5	3	8
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	1106	842	1948
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 3C	FOOT	1924	-	1924
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	-	737	737
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	956	1606	2562
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	936	1120	2056
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3357	3377	6734
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	89	40	129
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	683	736	1419
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	4	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 45 FT.	EACH	-	1	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	3	1	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1	2	3
CONCRETE FOUNDATION, TYPE A	FOOT	20	16	36
CONCRETE FOUNDATION, TYPE C	FOOT	4	4	8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54	56	110
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	2	-	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	-	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6	4	10
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6	8	14
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6	8	14
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	-	4	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22	20	42
PEDESTRIAN PUSH-BUTTON	EACH	-	4	4
RADAR VEHICLE DETECTION SYSTEM	EACH	1	1	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	4	8
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1	2

- 100% COST TO KENDALL COUNTY

TRAFFIC SIGNAL GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT THE KENDALL COUNTY HIGHWAY DEPARTMENT (630-553-7616) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (815-434-8506) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
- THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3 SHALL BE NOTIFIED AT (815-434-8506) AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS (800-892-0123).
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
- ALL NEW TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
- ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
- ALL NEW VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING.
- ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL BE IN ACCORDANCE WITH SECTION 806 OF THE STANDARD SPECIFICATIONS.
- ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
- THE MAST ARMS SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, PROVIDE MORE THAN 6' IF POSSIBLE, PROVIDED THE SIGNAL HEADS STILL LINE UP IN THE CENTER OF THE LANES.
- THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
- THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
- THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
- THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
- ONE WEEK PRIOR TO SIGNAL TURN-ON FOR BOTH DIRECTIONS OF IL 71, THE CHANGEABLE MESSAGE SIGNS SHOULD READ "NEW SIGNAL AHEAD/TURN ON DATE". FOR THREE WEEKS AFTER THE SIGNALS ARE TURNED ON THE MESSAGE SIGN SHOULD READ "NEW SIGNAL AHEAD/BE PREPARED TO STOP". THE CHANGEABLE MESSAGE SIGNS PROVIDED AS PART OF THE MAINTENANCE OF TRAFFIC PLANS SHALL BE USED.
- THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
- ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
- THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.

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 SHEET NO.: 151



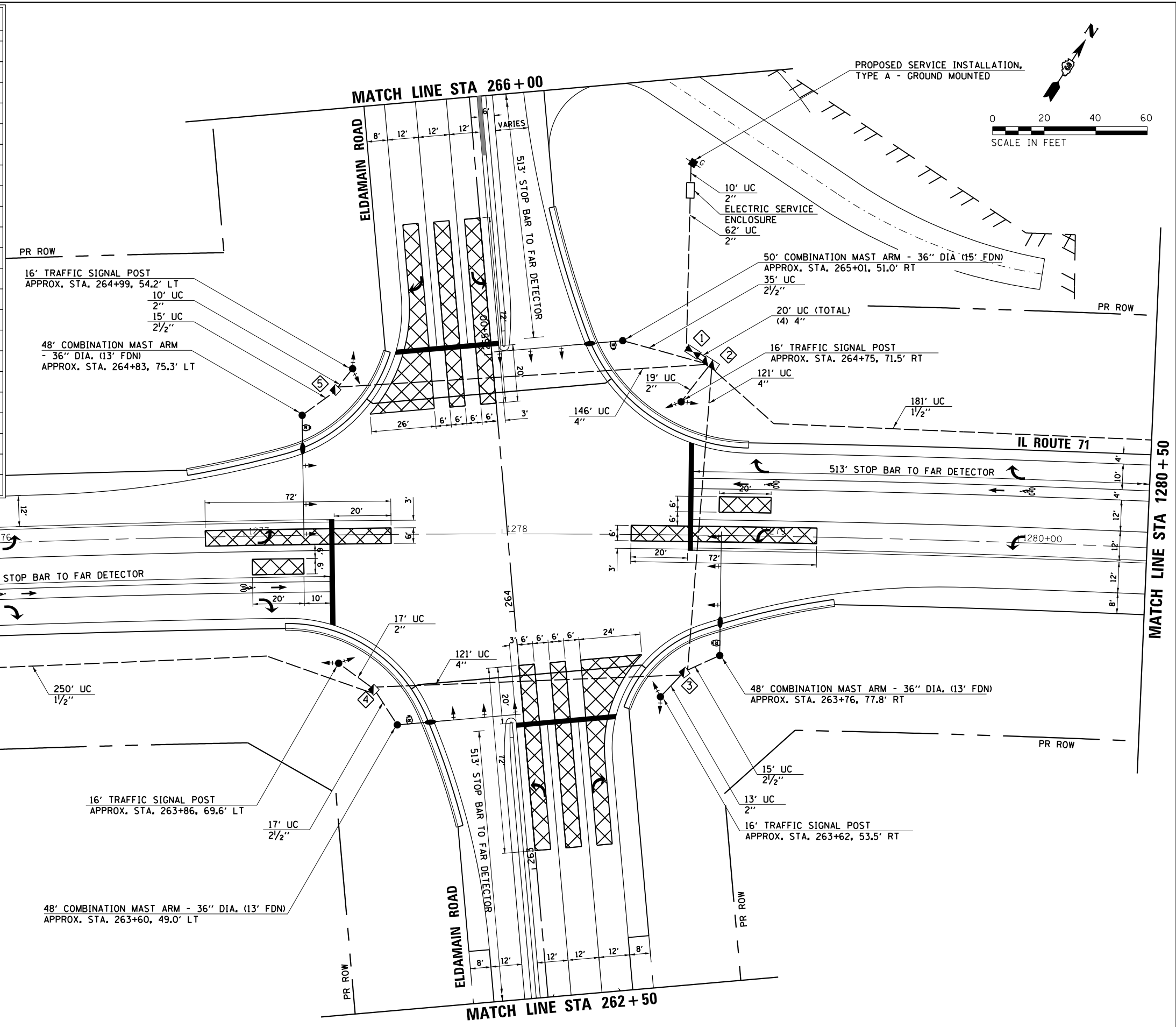
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PLOT DATE = 9/2/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE AND GENERAL NOTES			
SCALE: N/A	SHEET NO. OF	SHEETS	STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	151
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

LEGEND		
EXISTING	PROPOSED	
		CONTROLLER CABINET
		SIGNAL POST (LENGTH AS NOTED)
		SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)
		COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)
		HANDHOLE
		DOUBLE HANDHOLE
		HEAVY DUTY HANDHOLE
		CONDUIT
		TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
		SERVICE INSTALLATION
		LIGHT DETECTOR
		CONFIRMATION BEACON
		TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 50 FOOT MIN.
		JUNCTION BOX
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH-BUTTON
		RADAR DETECTION
		RADAR DETECTION ZONE
		LOOP DETECTOR
		WORK AREA



#	EQUIPMENT ITEM	LOCATION
1	TRAFFIC SIGNAL CONTROLLER CABINET AND UPS	STA. 264+94, 77.7' RT
2	DOUBLE HANDHOLE	STA. 264+89, 84.1' RT
3	HANDHOLE	STA. 263+71, 63.6' RT
4	HANDHOLE	STA. 263+75, 57.0' LT
5	HANDHOLE	STA. 264+91, 61.7' LT

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = mfaller
 DESIGNED - MAG
 DRAWN - DJW
 PLOT SCALE = 40.0000' / in.
 CHECKED - BMA
 DATE - 8/17/2020

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - BMA
 DATE - 8/17/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS (IL ROUTE 71)
 INSTALLATION PLAN

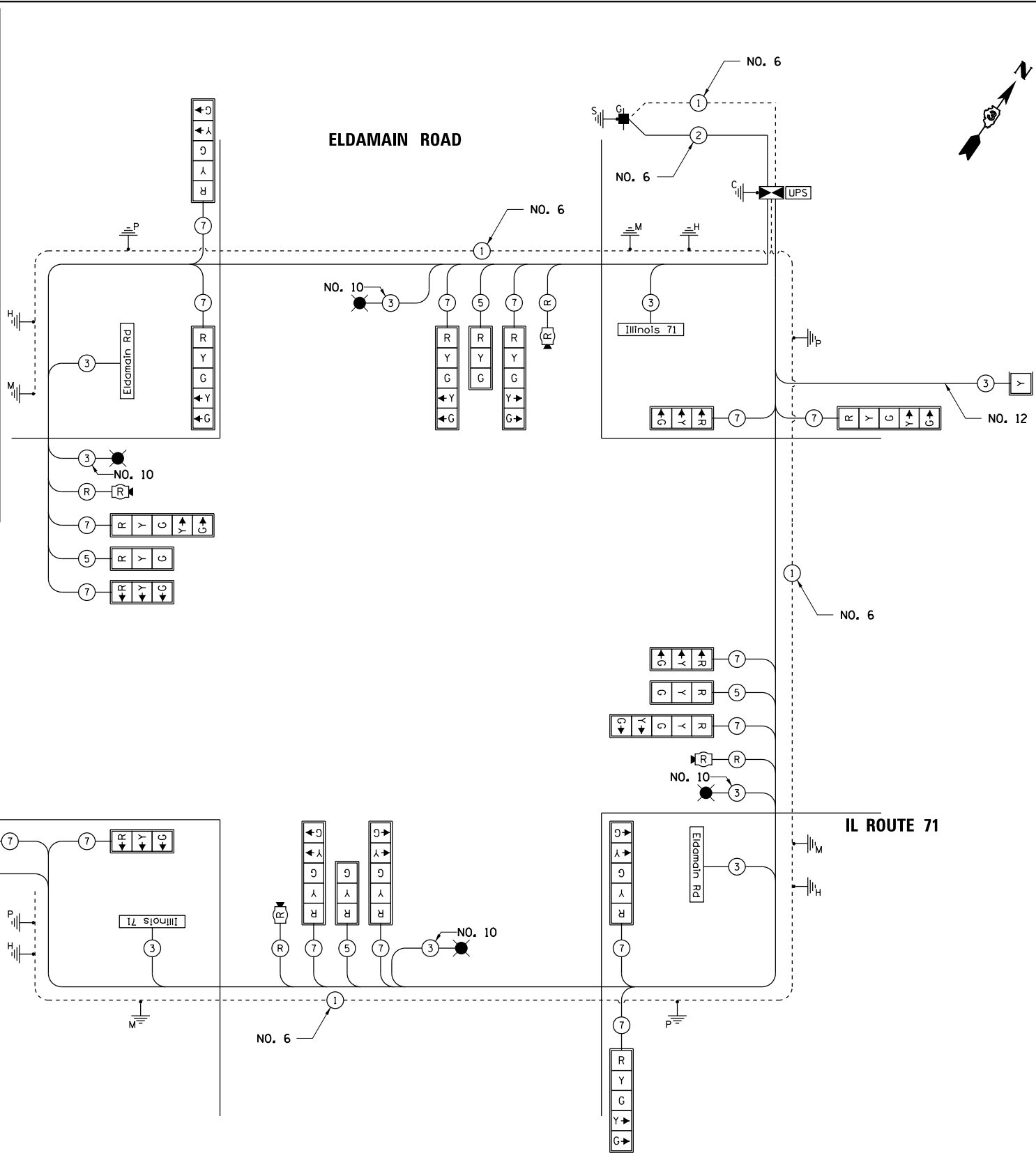
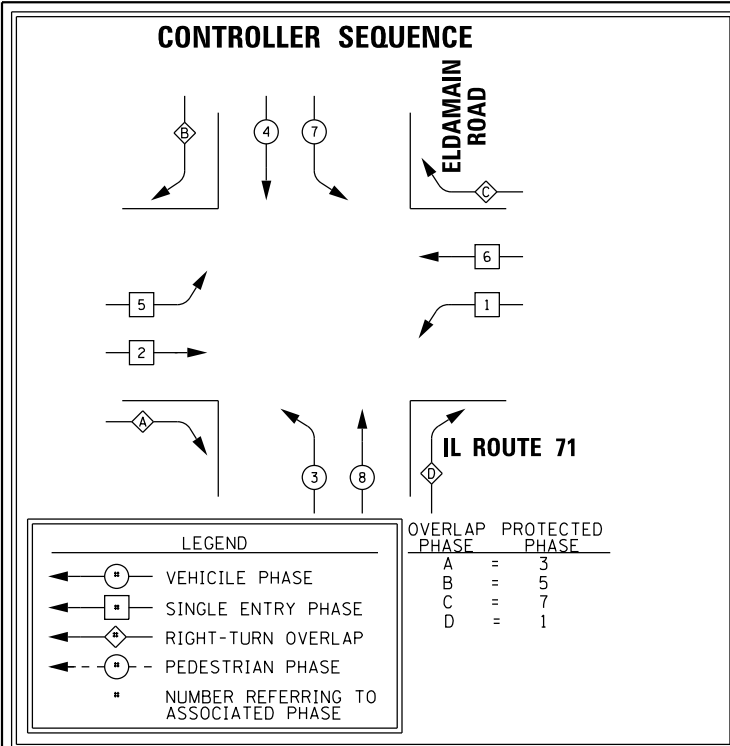
SCALE: 1" = 20'

SHEET NO. 1 OF 3 SHEETS

STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	152
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



CABLE DIAGRAM LEGEND

EXISTING	PROPOSED	
		CONTROLLER CABINET
		UNINTERRUPTIBLE POWER SUPPLY
		SERVICE INSTALLATION
		VEHICLE DETECTION, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED.
		CABLE FOR RADAR DETECTION SYSTEM
		LIGHTING UNIT
		X" TRAFFIC SIGNAL SECTION
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND CABLE ROD AT POST (P) OR MAST ARM (M)
		GROUND CABLE ROD AT ELECTRIC SERVICE INSTALLATION
		PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
		PEDESTRIAN PUSH-BUTTON
		RADAR DETECTOR

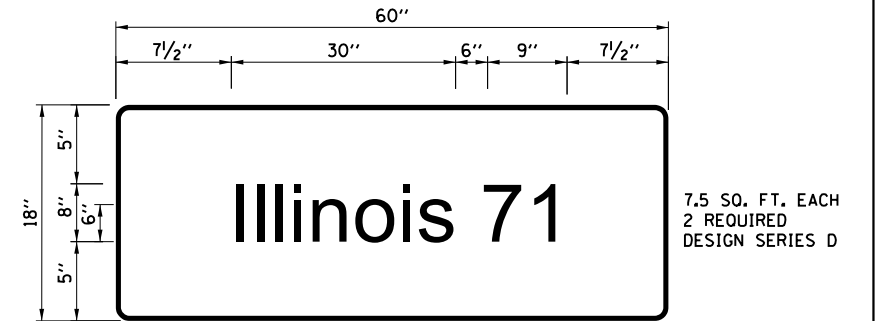
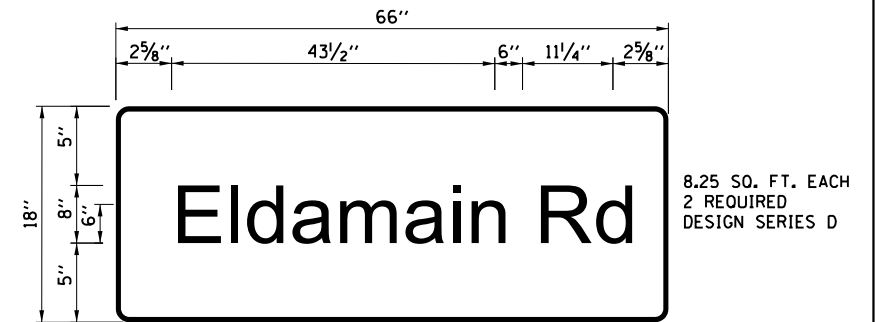
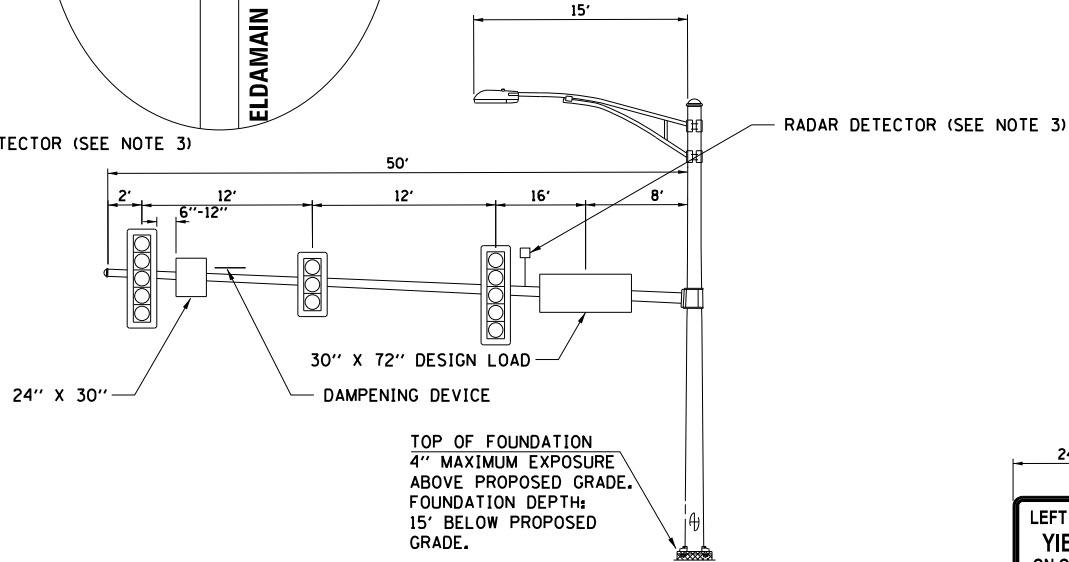
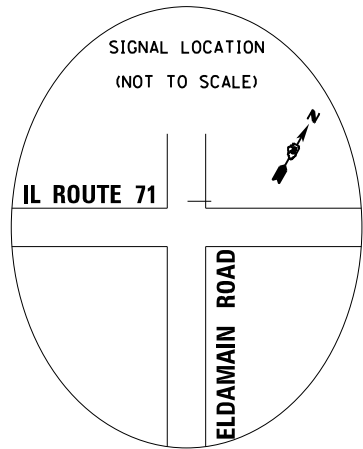
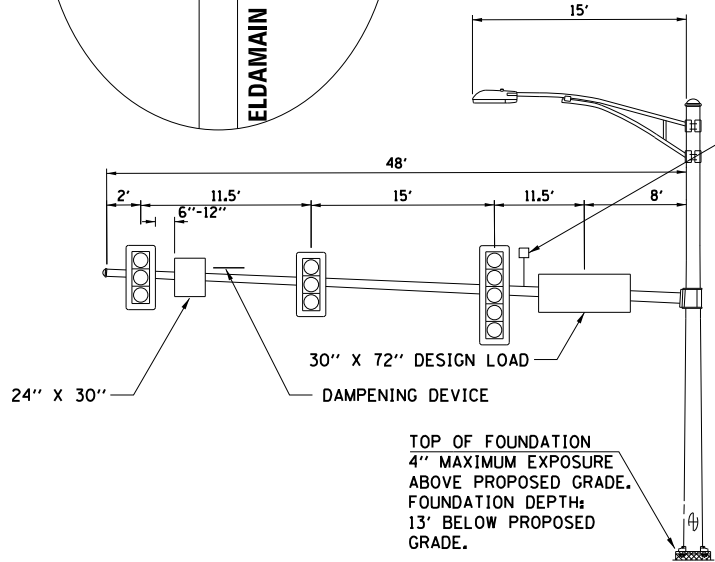
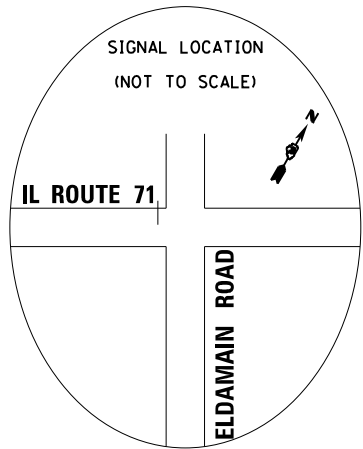
- NOTES:
- THE LUMINAIRES SHALL BE 120 VOLT.
 - THE PHOTOCELL FOR THE COMBINATION LIGHTING SHALL BE MOUNTED ON THE TRAFFIC SIGNAL CABINET AWAY FROM DIRECT SUNLIGHT. INSTALLATION OF THE PHOTOCELL AND THE LIGHTING CIRCUIT BREAKER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC SIGNAL CABINET.

IL ROUTE 71 AT ELDAMAIN ROAD ELECTRICAL LOAD CHART

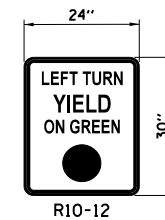
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	12	0.50		96.0
(YELLOW)	16	12	0.25		48.0
(GREEN)	16	12	0.25		48.0
ARROW	36	12	0.10		43.2
PED. SIGNAL		25	1.00		
CONTROLLER	1	100	1.00		100.0
LUMINAIRE	6	200	0.50		400.0
ILLUMINATED SIGN	4	120	0.50		240.0
UPS	1	25	1.00		25.0
RADAR SYSTEM	1	25	1.00		50.0
TOTAL =					1050.2

AGENCY RESPONSIBLE FOR ENERGY CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT

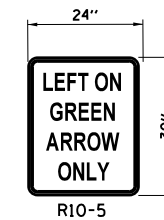
CABLE PLAN



STREET NAME SIGN DETAIL
 THESE ILLUMINATED STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.



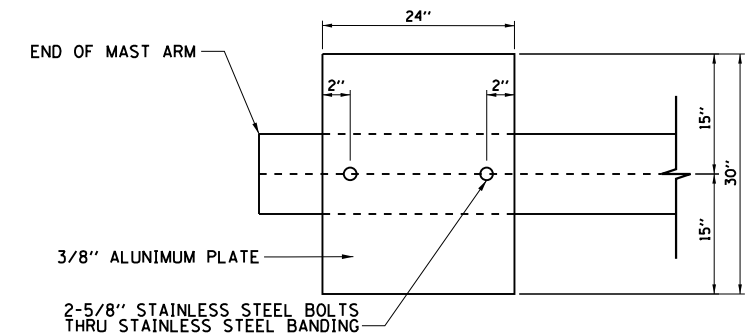
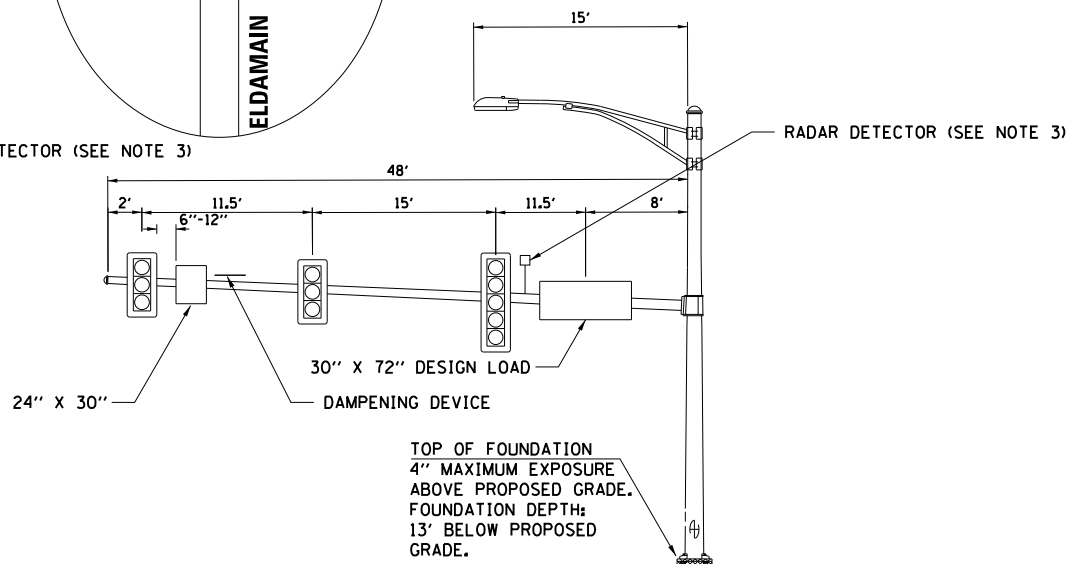
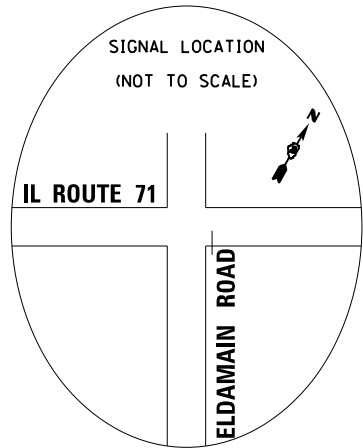
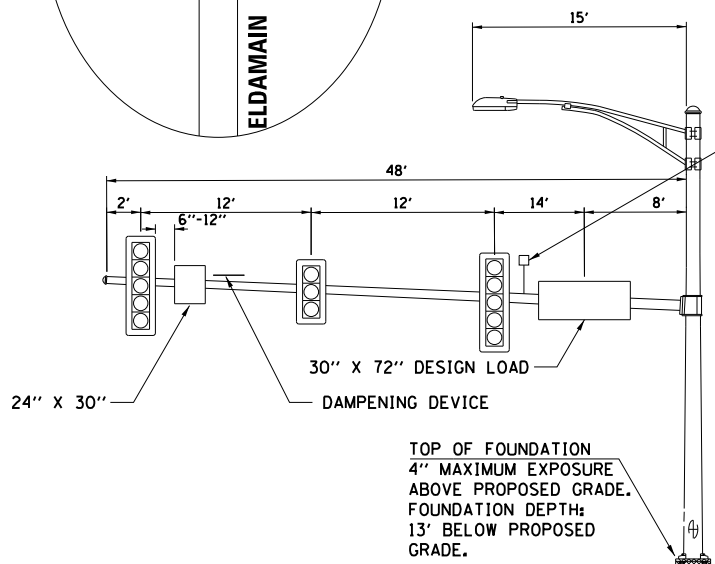
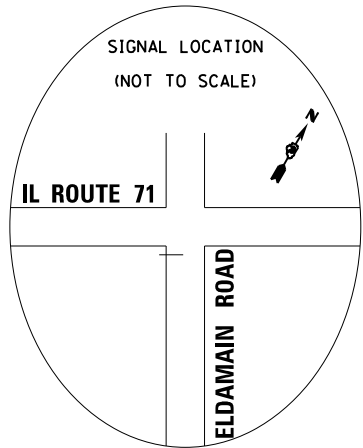
TYPE "ZZ" SHEETING REQUIRED
 5.00 SQ. FT. EACH
 2 REQUIRED



TYPE "ZZ" SHEETING REQUIRED
 5.00 SQ. FT. EACH
 2 REQUIRED

LEFT-TURN CONTROL SIGN DETAIL
 THIS SIGN SHALL BE MOUNTED 6 TO 12 INCHES TO THE RIGHT OF THE OUTER 5-SECTION SIGNAL HEAD FOR NORTHBOUND AND SOUTHBOUND ELDAMAIN ROAD.

LEFT-TURN CONTROL SIGN DETAIL
 THIS SIGN SHALL BE MOUNTED 6 TO 12 INCHES TO THE RIGHT OF THE OUTER 3-SECTION SIGNAL HEAD FOR EASTBOUND AND WESTBOUND IL ROUTE 71.



NOTE: MOUNT DAMPING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.
DAMPING PLATE DETAIL - TOP VIEW

- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 2. ALL MAST ARM FOUNDATIONS SHALL BE 36'' DIAMETER.
 3. MOUNT RADAR DETECTOR PER MANUFACTURE'S RECOMMENDATION.
 4. FOR ADDITIONAL SIGN DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MOUNTED MAST ARM MOUNTED STREET NAME SIGNS DETAIL AND ILLUMINATED STREET NAME DETAIL.

FILE NAME: \\vpr\graphics\user\2021\882838\CAD\user\m1011\1011\04_02_21\m1011\04_02_21\m1011.dwg, 8/17/2020

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

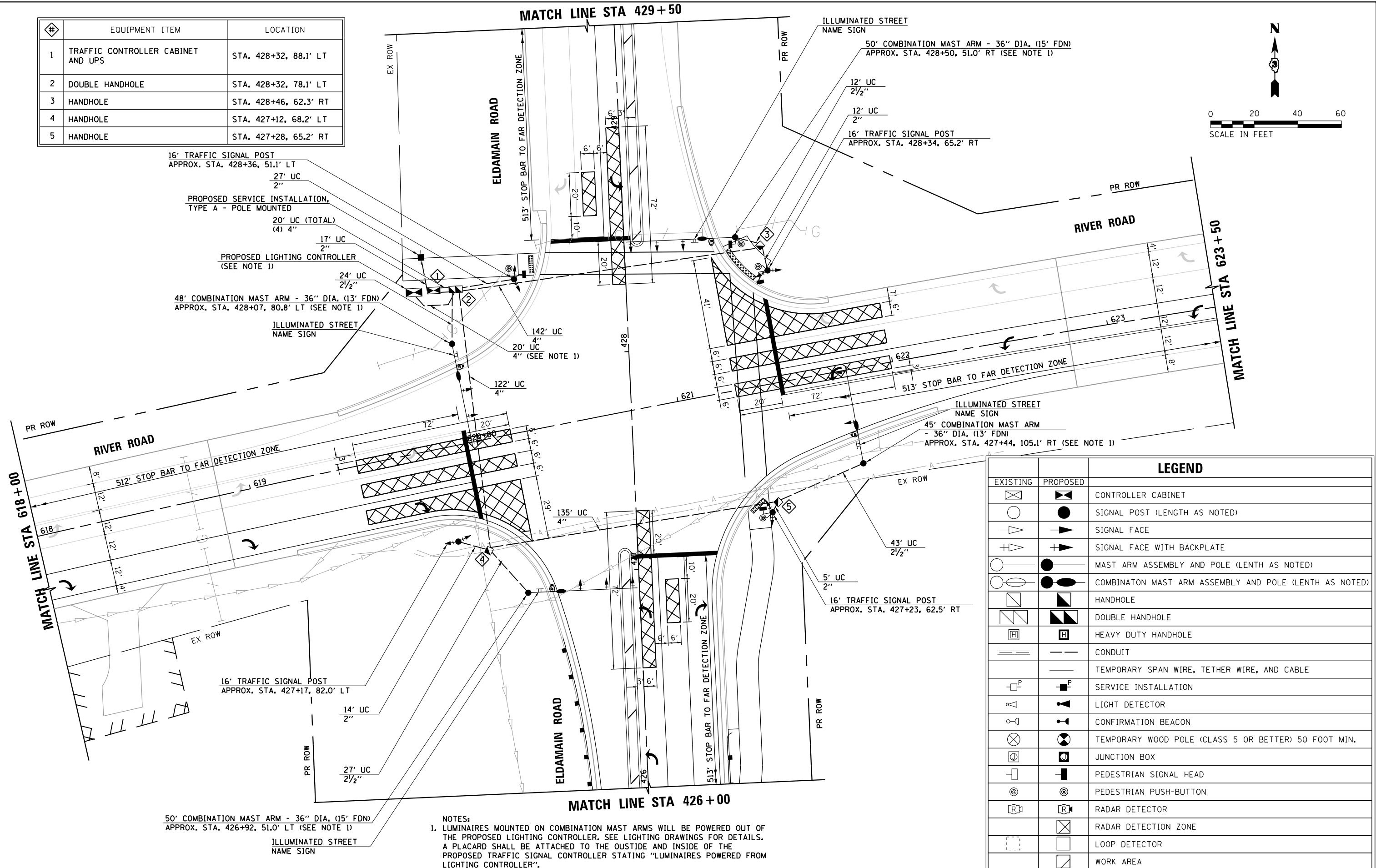
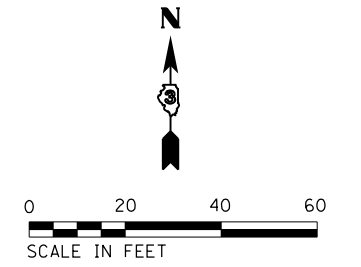
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PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS (IL ROUTE 71)			
MAST ARM LOADING DIAGRAMS			
SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U./F.A.S. RTE. 4000/275	SECTION NO. 19-00153-00-BR	COUNTY KENDALL	TOTAL SHEETS 485	SHEET NO. 156
CONTRACT NO. 87731			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	

#	EQUIPMENT ITEM	LOCATION
1	TRAFFIC CONTROLLER CABINET AND UPS	STA. 428+32, 88.1' LT
2	DOUBLE HANDHOLE	STA. 428+32, 78.1' LT
3	HANDHOLE	STA. 428+46, 62.3' RT
4	HANDHOLE	STA. 427+12, 68.2' LT
5	HANDHOLE	STA. 427+28, 65.2' RT



16' TRAFFIC SIGNAL POST
APPROX. STA. 428+36, 51.1' LT
27' UC
2"

PROPOSED SERVICE INSTALLATION,
TYPE A - POLE MOUNTED
20' UC (TOTAL)
(4) 4"

17' UC
2"

PROPOSED LIGHTING CONTROLLER
(SEE NOTE 1)
24' UC
2 1/2"

48' COMBINATION MAST ARM - 36" DIA. (13' FDN)
APPROX. STA. 428+07, 80.8' LT (SEE NOTE 1)
ILLUMINATED STREET
NAME SIGN

142' UC
4"

20' UC
4" (SEE NOTE 1)

122' UC
4"

513' STOP BAR TO FAR DETECTION ZONE

512' STOP BAR TO FAR DETECTION ZONE

16' TRAFFIC SIGNAL POST
APPROX. STA. 427+17, 82.0' LT
14' UC
2"

27' UC
2 1/2"

50' COMBINATION MAST ARM - 36" DIA. (15' FDN)
APPROX. STA. 426+92, 51.0' LT (SEE NOTE 1)
ILLUMINATED STREET
NAME SIGN

NOTES:
1. LUMINAIRES MOUNTED ON COMBINATION MAST ARMS WILL BE POWERED OUT OF THE PROPOSED LIGHTING CONTROLLER. SEE LIGHTING DRAWINGS FOR DETAILS. A PLACARD SHALL BE ATTACHED TO THE OUTSIDE AND INSIDE OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER STATING "LUMINAIRES POWERED FROM LIGHTING CONTROLLER".

		LEGEND
EXISTING	PROPOSED	
		CONTROLLER CABINET
		SIGNAL POST (LENGTH AS NOTED)
		SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)
		COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED)
		HANDHOLE
		DOUBLE HANDHOLE
		HEAVY DUTY HANDHOLE
		CONDUIT
		TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
		SERVICE INSTALLATION
		LIGHT DETECTOR
		CONFIRMATION BEACON
		TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 50 FOOT MIN.
		JUNCTION BOX
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH-BUTTON
		RADAR DETECTOR
		RADAR DETECTION ZONE
		LOOP DETECTOR
		WORK AREA

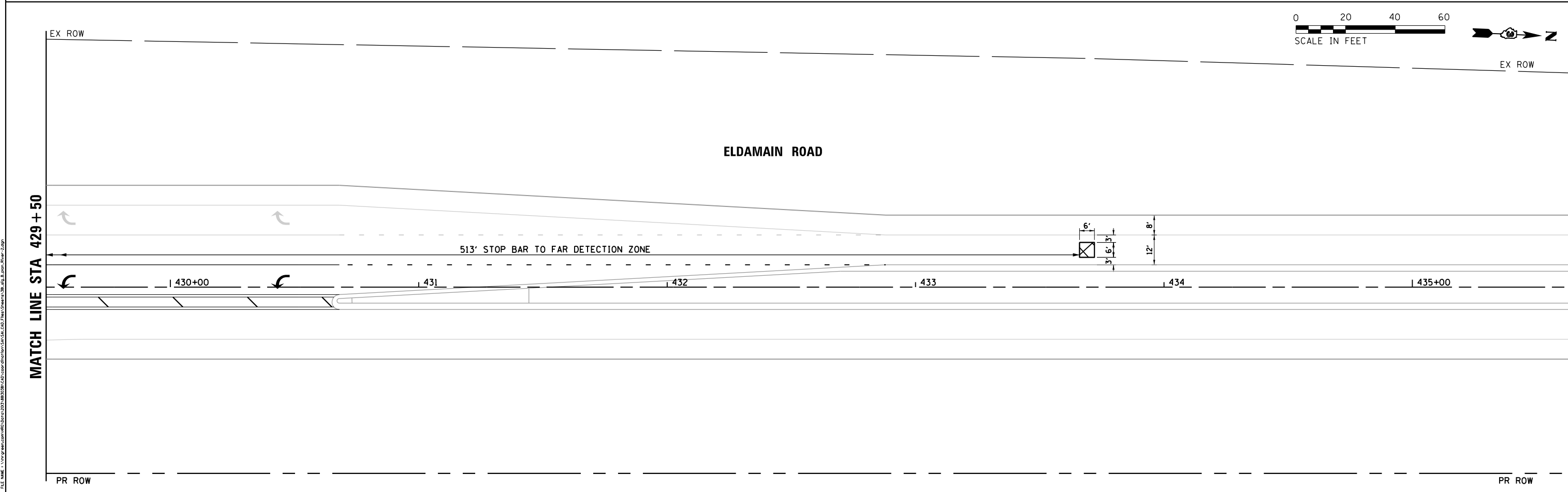
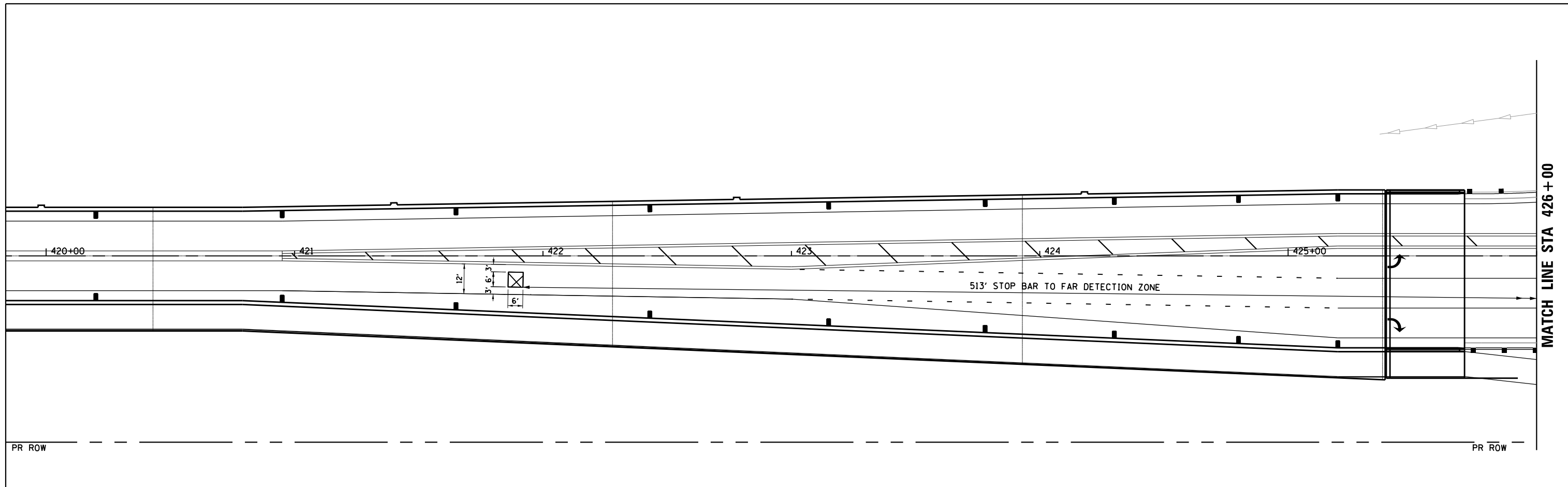
STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = mfeiler	DESIGNED - MAG	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL PLANS (RIVER ROAD)	
INSTALLATION PLAN	
SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS
STA.	TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	157
CONTRACT NO. 87731				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



FILE NAME: \\p1g\man\user\19012019\BR2019\CAD\user\drawings\19012019\426+00\River_Road_2.dwg
 PLOT DATE: 8/17/2020

STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

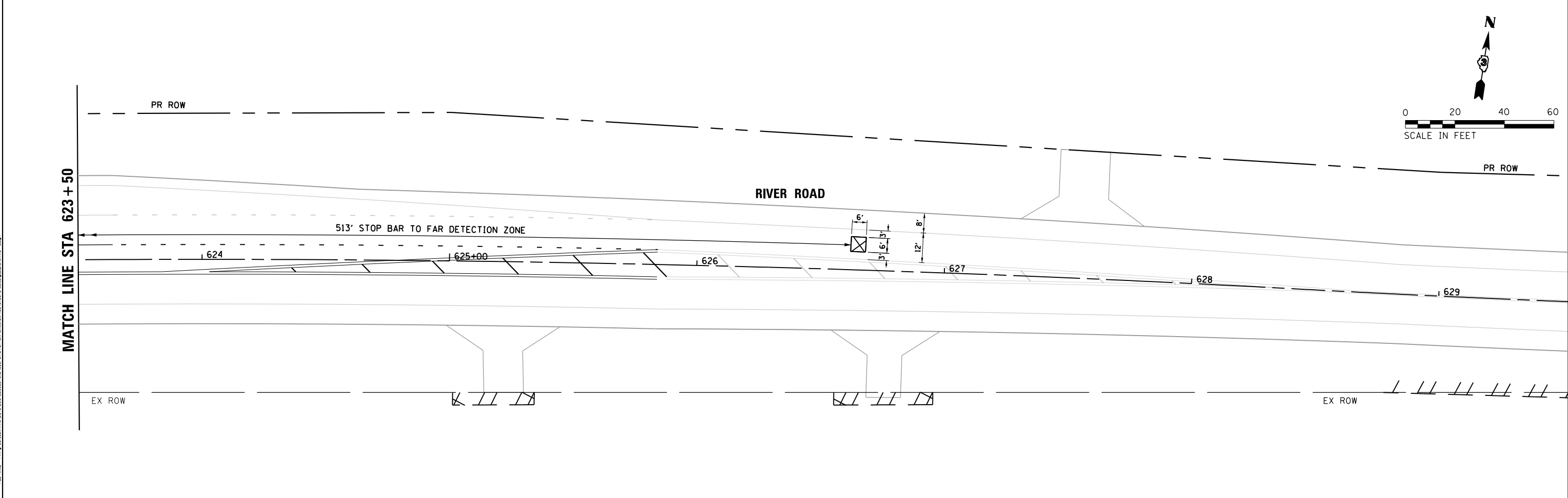
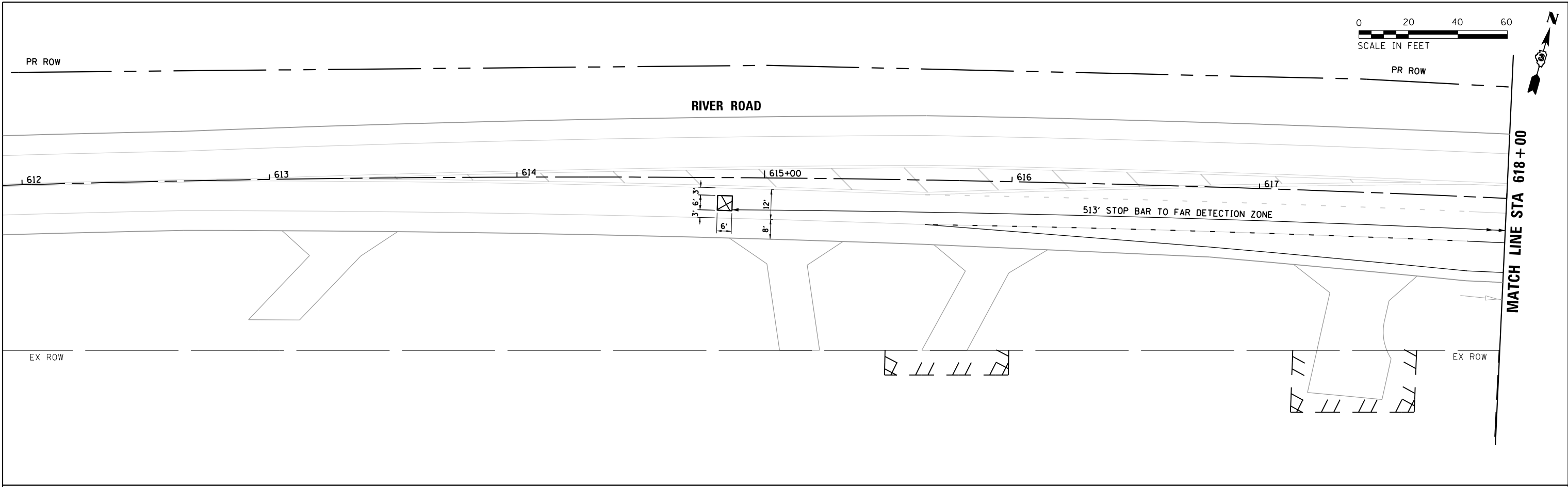
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DRAWN - DJW	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 8/17/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS (RIVER ROAD)
 INSTALLATION PLAN**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	158
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	



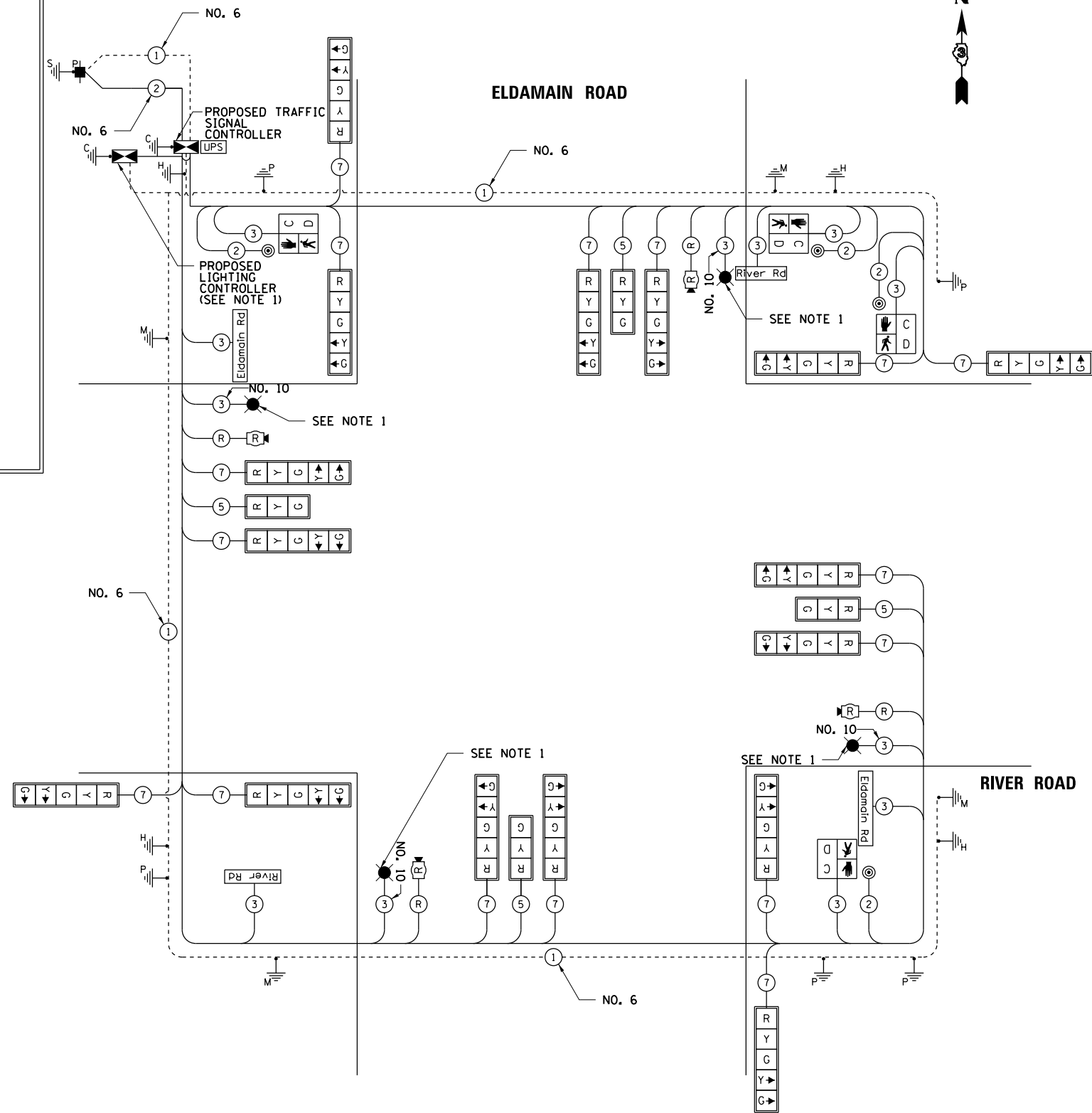
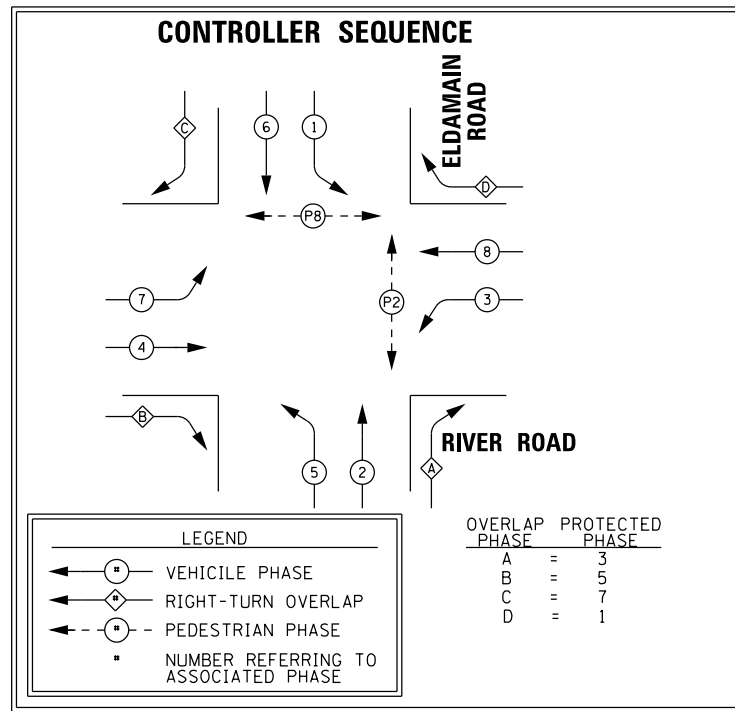
STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = mfeiler	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 8/17/2020	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS (RIVER ROAD)	
INSTALLATION PLAN	
SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	159
CONTRACT NO. 87731			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	



CABLE DIAGRAM LEGEND

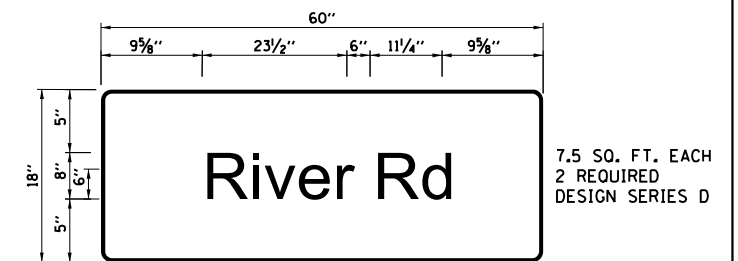
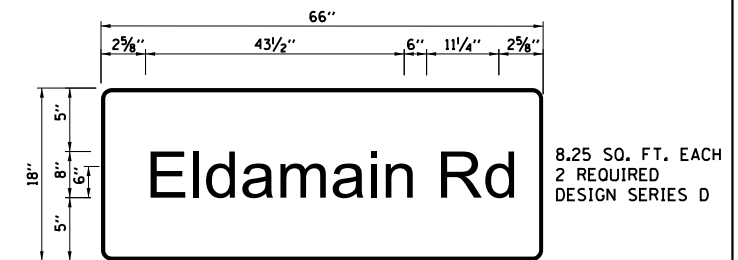
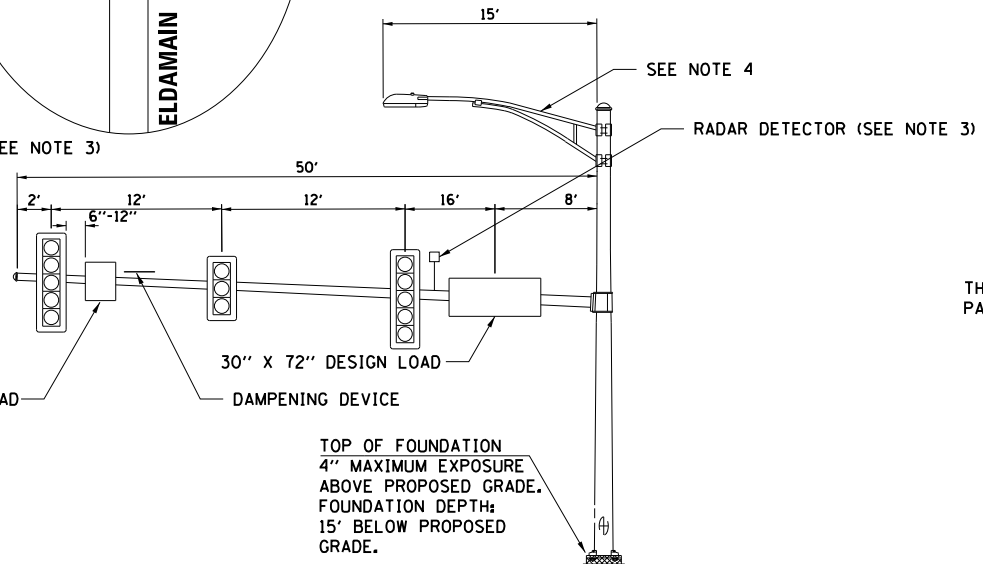
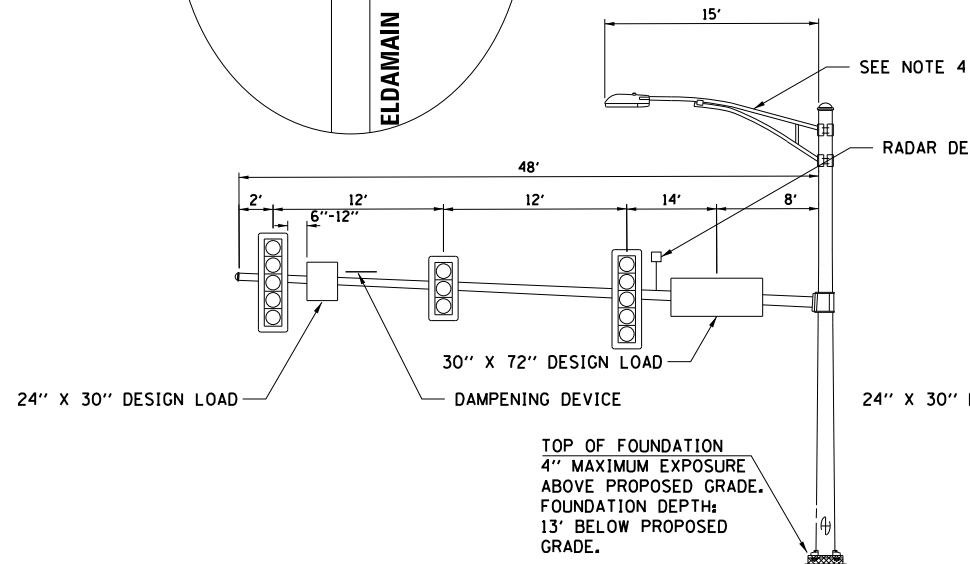
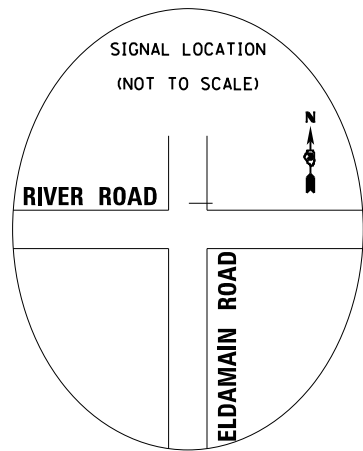
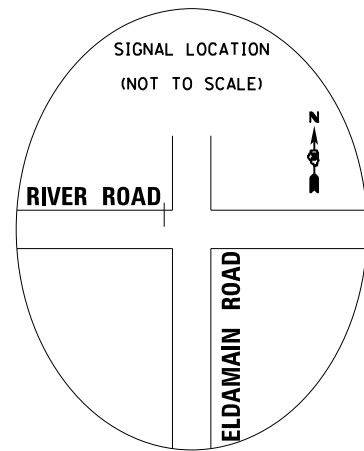
EXISTING	PROPOSED	
		CONTROLLER CABINET
		UNINTERRUPTIBLE POWER SUPPLY
		SERVICE INSTALLATION
		VEHICLE DETECTION, INDUCTION LOOP
		LIGHT DETECTOR
		CONFIRMATION BEACON
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED.
		CABLE FOR RADAR DETECTION SYSTEM
		LIGHTING UNIT (SEE NOTE 1)
		X" TRAFFIC SIGNAL SECTION
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
		GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND CABLE ROD AT POST (P) OR MAST ARM (M)
		GROUND CABLE ROD AT ELECTRIC SERVICE INSTALLATION
		PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
		PEDESTRIAN PUSH-BUTTON
		RADAR DETECTOR

RIVER ROAD AT ELDAMAIN ROAD ELECTRICAL LOAD CHART

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20	12	0.50	120.0	
(YELLOW)	20	12	0.25	60.0	
(GREEN)	20	12	0.25	60.0	
ARROW	32	12	0.10	38.4	
PED. SIGNAL	4	25	1.00	100.0	
CONTROLLER	1	100	1.00	100.0	
LUMINAIRE (SEE NOTE 1)					
ILLUMINATED SIGN	4	120	0.50	240.0	
RADAR SYSTEM	1	25	1.00	50.0	
UPS	1	25	1.00	25.0	
			TOTAL =	793.4	

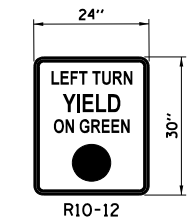
AGENCY RESPONSIBLE FOR ENERGY CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT

- NOTES:
- LUMINAIRES MOUNTED ON COMBINATION MAST ARMS WILL BE POWERED OUT OF THE PROPOSED LIGHTING CONTROLLER. SEE LIGHTING DRAWINGS FOR DETAILS. A PLACARD SHALL BE ATTACHED TO THE OUTSIDE AND INSIDE OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER STATING "LUMINAIRES POWERED FROM LIGHTING CONTROLLER". SEE LIGHTING DRAWINGS FOR DETAILS.
 - TIE TRAFFIC SIGNAL GROUNDING SYSTEM TOGETHER WITH LIGHTING CONTROLLER GROUNDING.



STREET NAME SIGN DETAIL

THESE ILLUMINATED STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

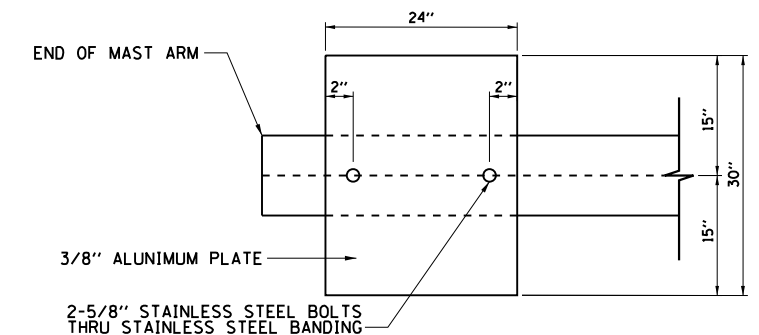
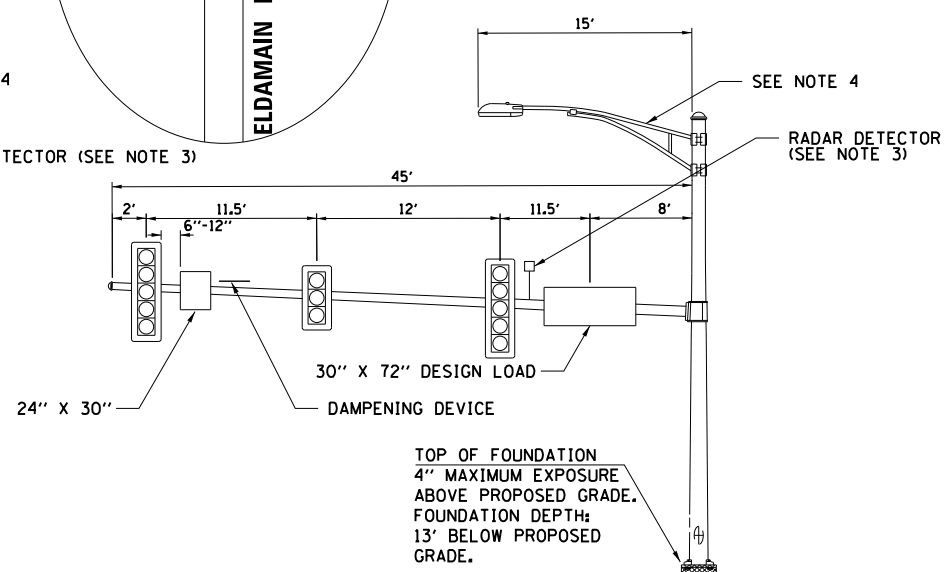
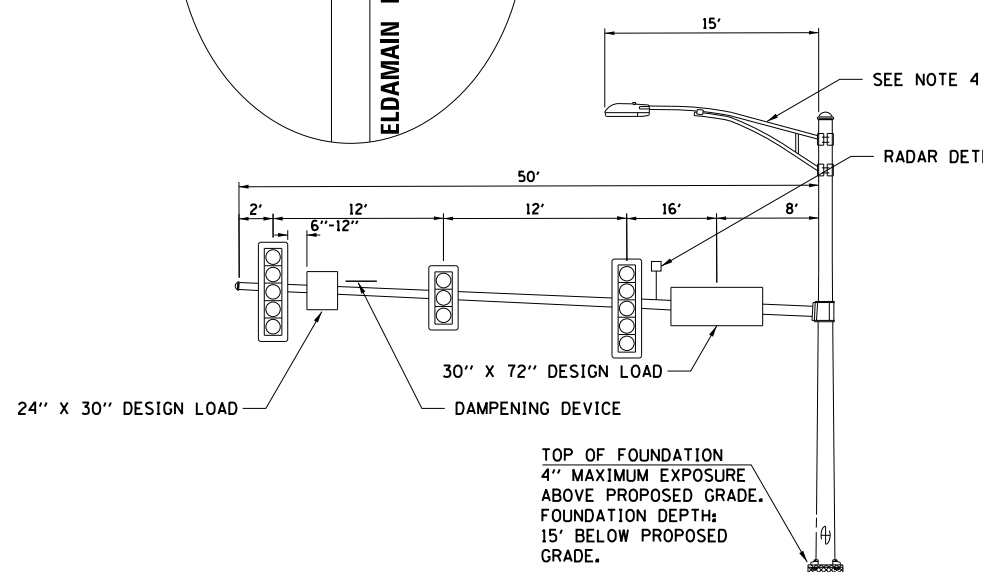
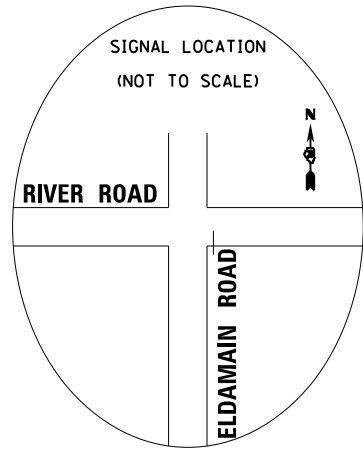
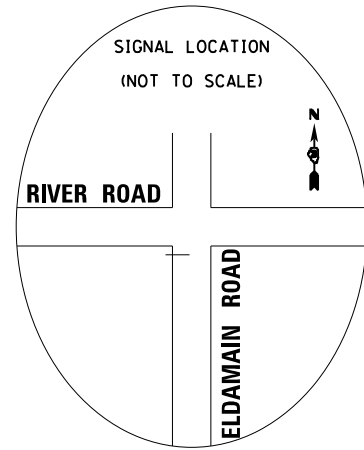


TYPE "ZZ" SHEETING REQUIRED
5.00 SQ. FT. EACH
4 REQUIRED

LEFT-TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE MOUNTED 6 TO 12 INCHES TO THE RIGHT OF THE OUTER 5-SECTION SIGNAL HEAD.

NOTE: DAMPING DEVICE SHALL CONSIST OF A 24"x30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF DAMPING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



NOTE: MOUNT DAMPING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

DAMPING PLATE DETAIL - TOP VIEW

NOTES:

1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
2. ALL MAST ARM FOUNDATIONS SHALL BE 36" DIAMETER, EXCEPT FOR THE 56' COMBINATION MAST ARM WHICH SHALL HAVE A 42" DIAMETER FOUNDATION.
3. MOUNT RADAR DETECTOR PER MANUFACTURE'S RECOMMENDATION
4. LUMINAIRES MOUNTED ON COMBINATION MAST ARMS WILL BE POWERED OUT OF THE PROPOSED LIGHTING CONTROLLER. SEE LIGHTING DRAWINGS FOR DETAILS. A PLACARD SHALL BE ATTACHED TO THE OUTSIDE AND INSIDE OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER STATING "LUMINAIRES POWERED FROM LIGHTING CONTROLLER". SEE LIGHTING DRAWINGS FOR DETAILS.
5. FOR ADDITIONAL SIGN DESIGN AND INSTALLATION INFORMATION SEE DISTRICT ONE MOUNTED MAST ARM MOUNTED STREET NAME SIGNS DETAIL AND ILLUMINATED STREET NAME DETAIL.

FILE NAME: \\v:\p\gr\m\c\m\1001\2014\810238\CAD\user\m1011\1011.dwg, 3/15/2014 10:58:58 AM, 1011.dwg

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

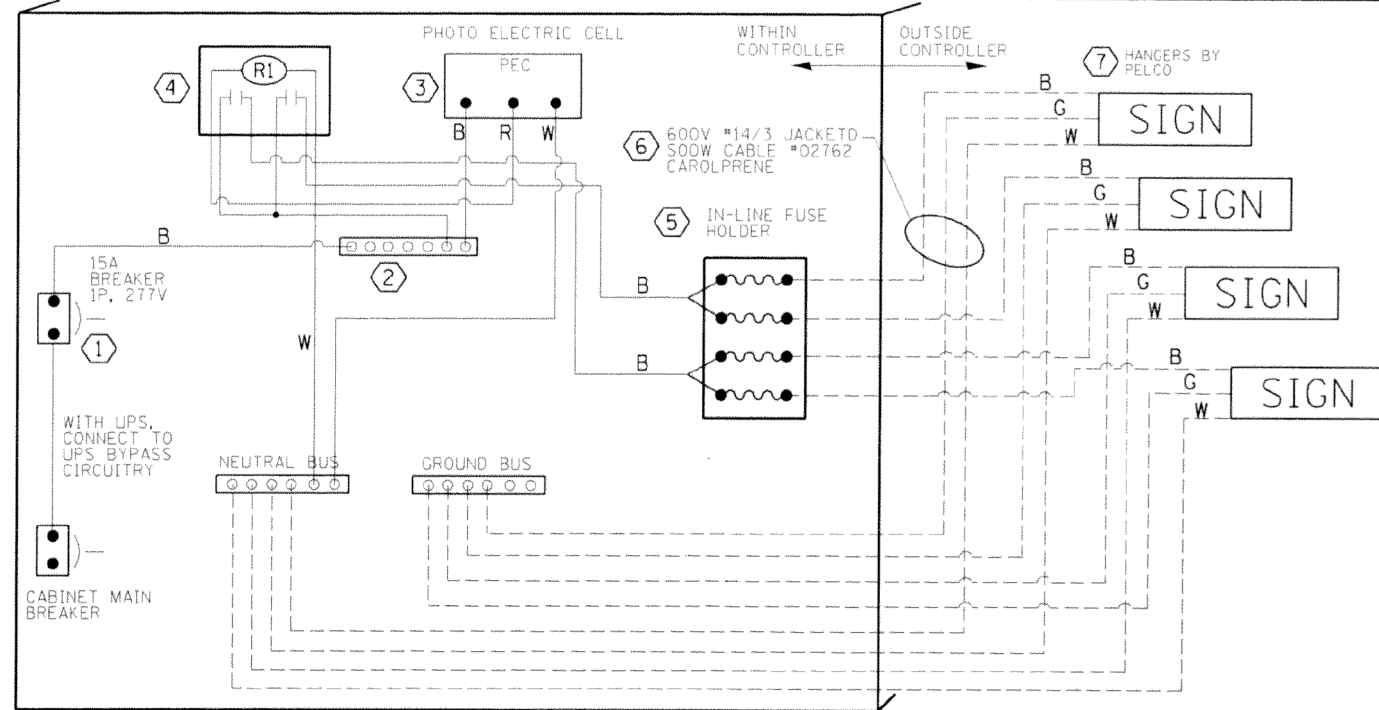
USER NAME = mfaller	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

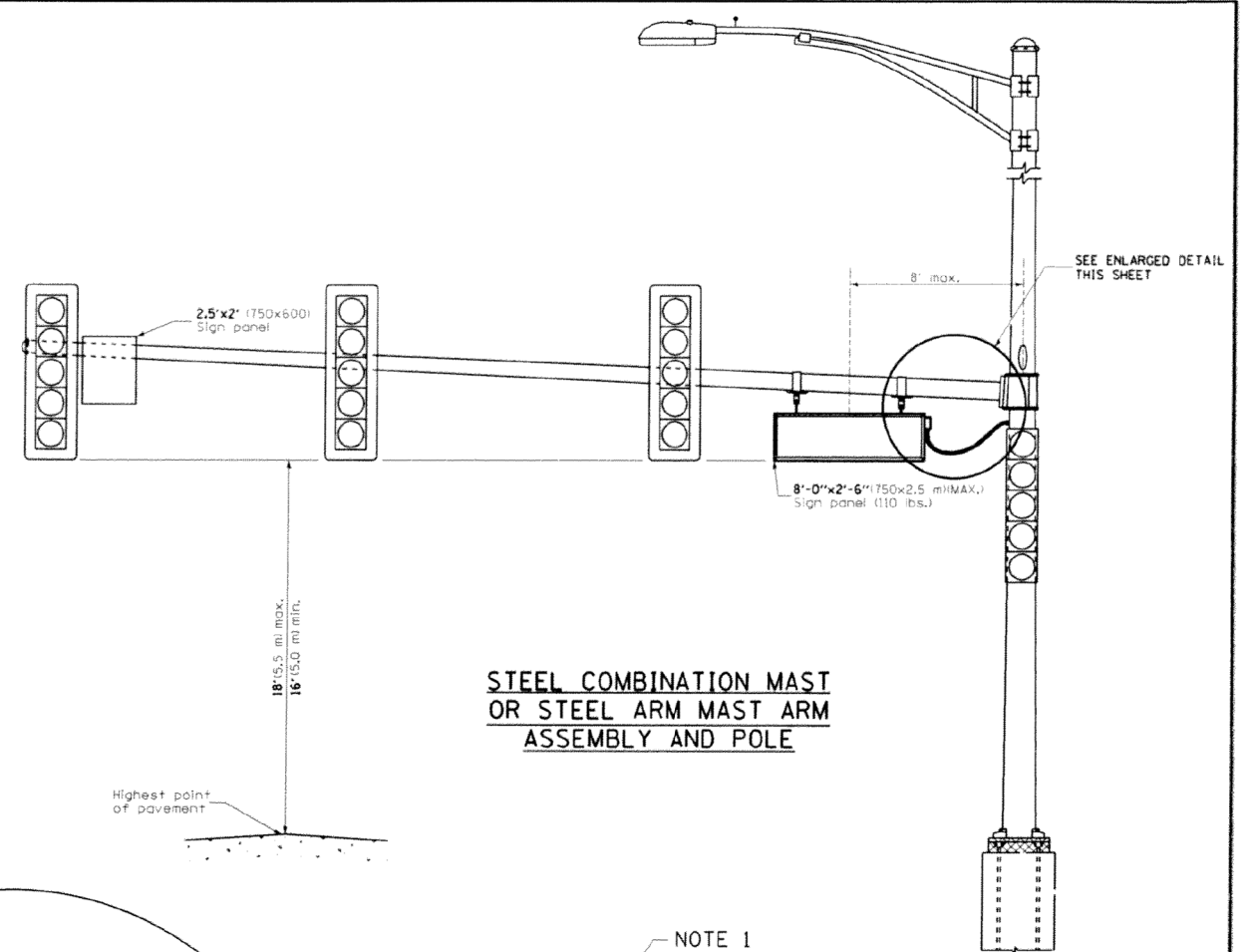
**TRAFFIC SIGNAL PLANS (RIVER ROAD)
MAST ARM LOADING DIAGRAMS**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	161
CONTRACT NO. 87731				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



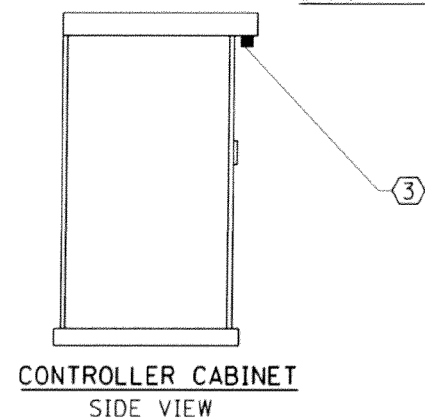
LED SIGN WIRING DETAIL



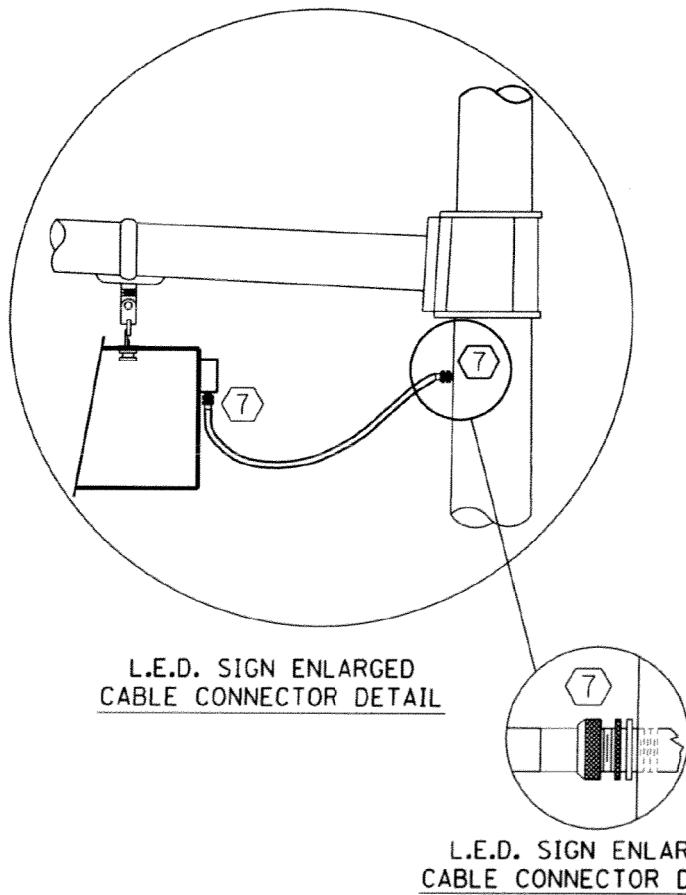
STEEL COMBINATION MAST OR STEEL ARM MAST ASSEMBLY AND POLE

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

BILL OF MATERIALS

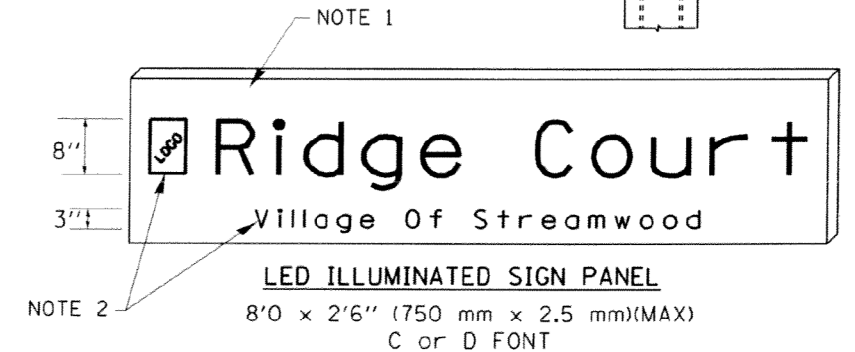


CONTROLLER CABINET SIDE VIEW



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL

L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL
8'0" x 2'6" (750 mm x 2.5 mm)(MAX)
C or D FONT

NOTES:

- SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

FILE NAME = P:\Traffic\CADD\Illuminated Street Name	USER NAME = ppatelch	DESIGNED - BCK	REVISED -
PLOT SCALE = 39.9359' / in.	Signsdgn	DRAWN - BCK	REVISED -
PLOT DATE = 1/16/2013		CHECKED - DAD	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
LIGHTED STREET NAME SIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

USER NAME = mfoeller	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 8/17/2020	CHECKED - BMA	REVISED -
	DATE -	REVISED -

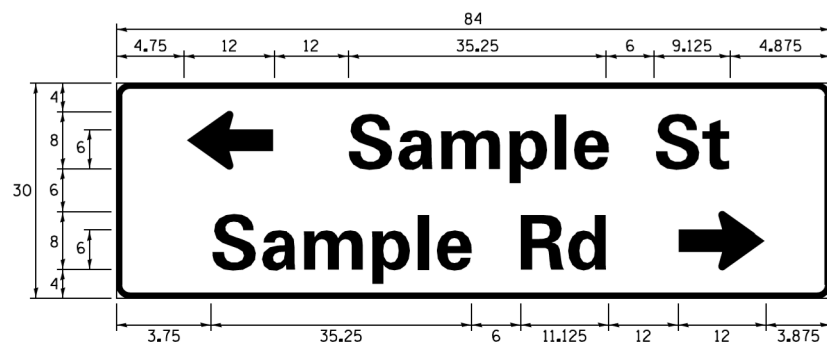
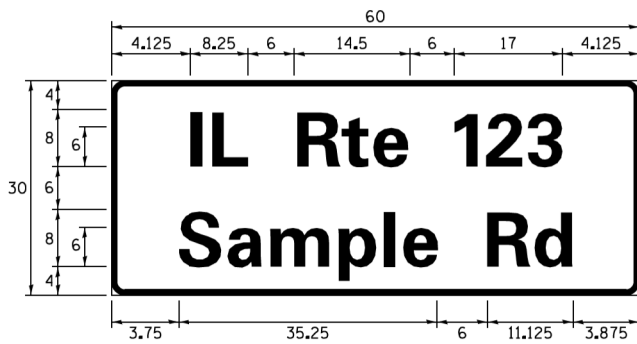
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	162
CONTRACT NO. 87731				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE, CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

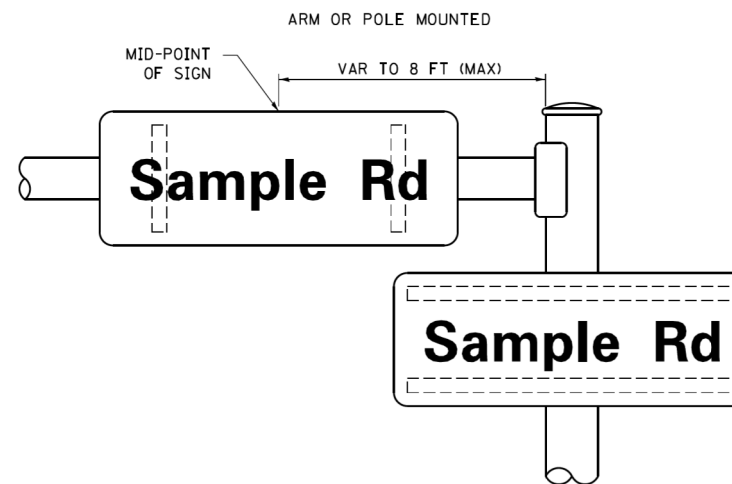
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

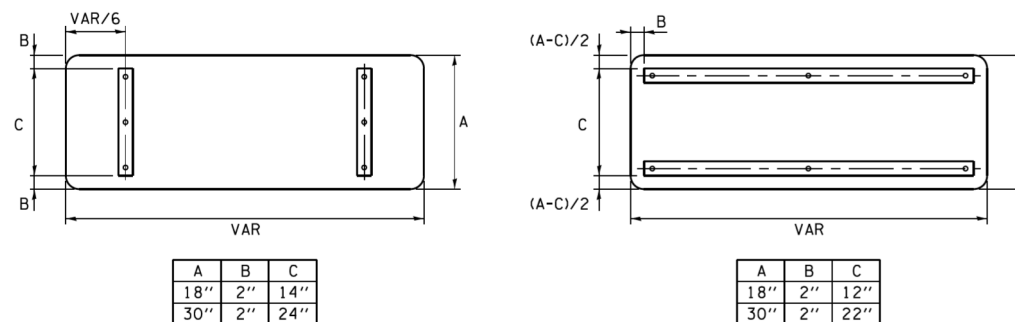
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER PART #HPN034 (UNIVERSAL)
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

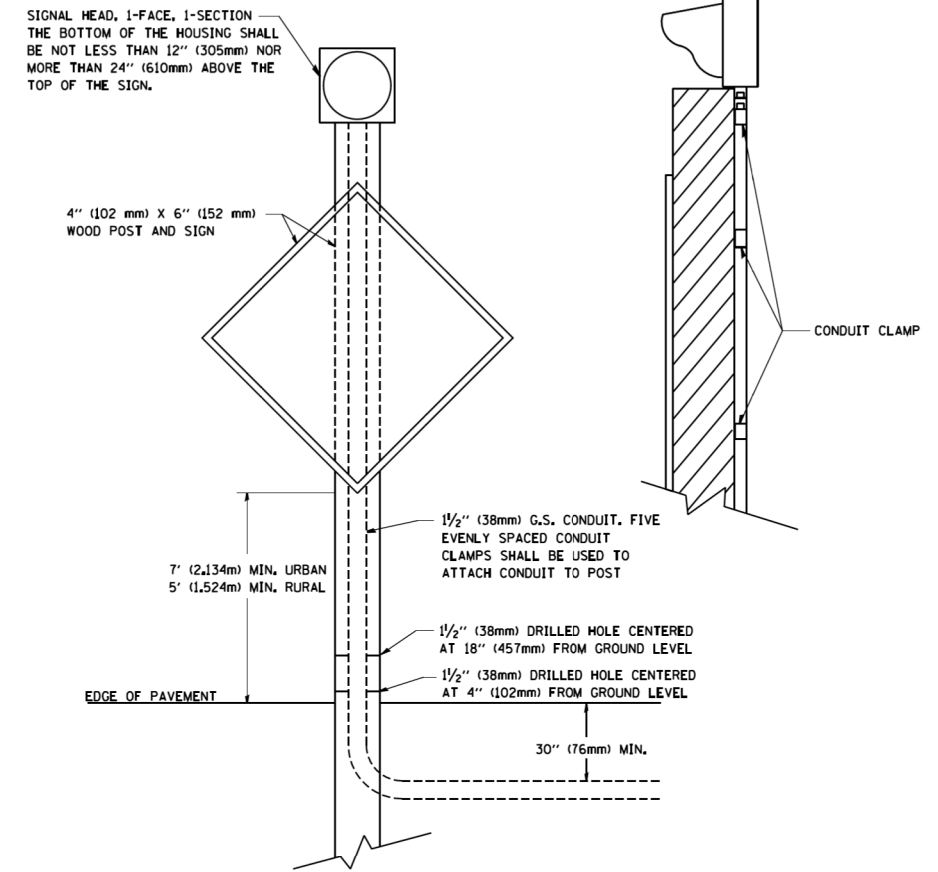
(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

FILE NAME =	USER NAME = drvskosgn	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 50.0000' / in.	CHECKED - IP	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

USER NAME = mfaller	DESIGNED - MAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL DETAILS	F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.					
Default	PLOT SCALE = 100.0000' / in.	CHECKED - BMA			REVISED -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	4000/275	19-00153-00-BR	KENDALL

FILE NAME: \\p:\g\m\c\m\c\2014\88238\CD\user\mfaller\11111\CD\11111\Sign\Sheet1.dwg
 STRAND ASSOCIATES* 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200



POST MOUNTED FLASHING BEACON

FILE NAME = M:\diststd\22x34\ts04.dgn	USER NAME = gaglienobt	DESIGNED - DRAWN -	REVISED - 01-01-07
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POST MOUNTED FLASHING BEACON

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-04			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	

FILE NAME: \\p1\gaglienobt\2011\882381\CAD\user\gaglienobt\22x34\ts04.dgn

SA
STRAND
ASSOCIATES*

USER NAME = mfeiler	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
	CHECKED - BMA	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

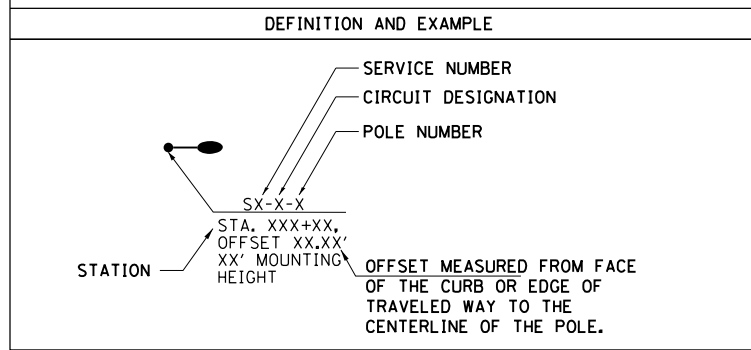
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U./F.A.S. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000/275	19-00153-00-BR	KENDALL	485	164
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	PROPOSED LIGHT POLE, ALUMINUM M.H AS NOTED, MAST ARM AS NOTED, LIGHT POLE FOUNDATION, DIAMETER AS NOTED AND LUMINAIRE TYPE AS NOTED.
	PROPOSED LUMINAIRE TYPE AS NOTED ATTACHED TO TRAFFIC SIGNAL COMBINATION MAST ARM (SEE NOTE 18).
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN CONCEALED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING LIGHTING UNIT TO BE REMOVED
	PROPOSED LIGHTING CONTROLLER

CALL-OUT SAMPLE



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTfM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
RGC	RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
- ALL NEW CONDUITS, UNIT DUCTS AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATION OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE OBSERVED AND APPROVED BY THE ENGINEER PRIOR TO CONCRETE POURING OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATION OF THE FINISHED GRADE WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- COORDINATE REMOVAL OF ALL EXISTING UTILITY POLE MOUNTED LUMINAIRES AND AERIAL CABLE AS NEEDED WITH ELECTRIC UTILITY.
- ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO KENDALL COUNTY. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE OBSERVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- WHERE THE CONTRACTORS EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, DRAINAGE, CURB, TRAFFIC SIGNAL, AND SIDEWALK WORK AND UNDERGROUND UTILITIES.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE BEEN CURED FOR 10 DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR ABOVE-GRADE WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- LUMINAIRES AT ELDAMAIN ROAD AND IL ROUTE 71 SHALL BE POWERED FROM THE TRAFFIC SIGNAL CONTROLLER. LUMINAIRES AT ELDAMAIN ROAD AND RIVER ROAD SHALL BE POWERED FROM THE LIGHTING CONTROLLER.

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION (80400100)	EACH	2
ELECTRIC UTILITY SERVICE CONNECTION (80400200)	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/4" DIA. (81028180)	FOOT	178
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220)	FOOT	528
CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL (81100400)	FOOT	40
CONDUIT EMBEDDED IN STRUCTURE, 3" DIA., PVC (81200250)	FOOT	1594
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"6" (81300550)	EACH	2
UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035)	FOOT	1455
UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045)	FOOT	4403
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)	FOOT	756
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E (82110005)	EACH	8
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F (82110006)	EACH	20
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G (82110007)	EACH	4
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP (82500360)	EACH	2
LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM (83007500)	EACH	6
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM (83050810)	EACH	18
LIGHT POLE FOUNDATION, 24" DIAMETER (83600200)	FOOT	171
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE (83800205)	EACH	18
REMOVAL OF LIGHTING UNIT, SALVAGE (84200500)	EACH	1
REMOVAL OF POLE FOUNDATION (84200804)	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	32

IDOT HIGHWAY STANDARDS

- 838001-001 BREAKAWAY DEVICES
- 825026-04 LIGHTING CONTROLLER, BASE-MOUNTED, 480V
- 836001-04 LIGHT POLE FOUNDATION
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 812001-01 RACEWAYS EMBEDDED IN STRUCTURE
- 821101-02 LUMINAIRE WIRING IN POLE

FILE NAME: I:\US_3180-3810-3810-3810\02\NCR\02\Drawings\Lighting\Lighting.dwg

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - BMA	REVISED -
PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISED -

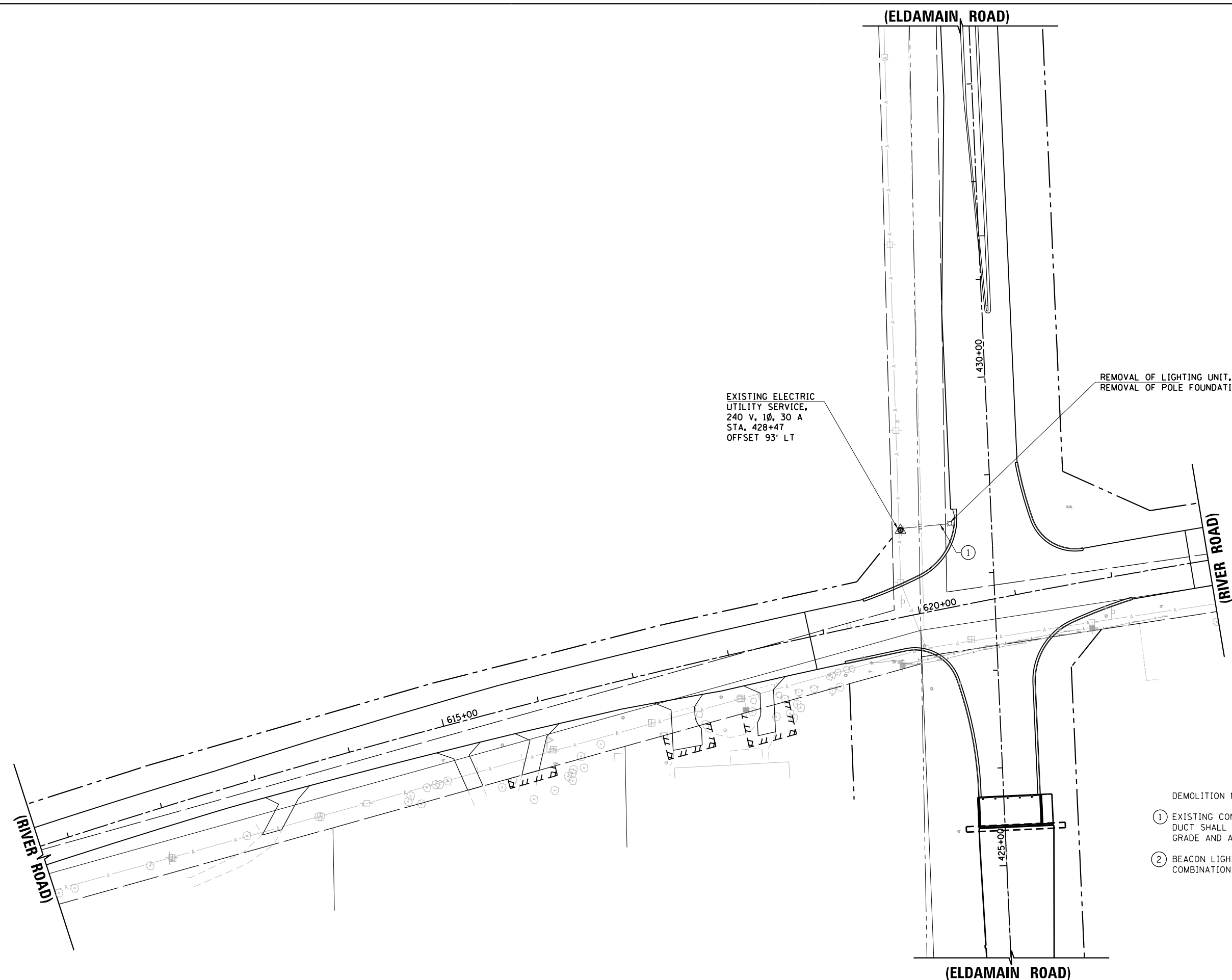
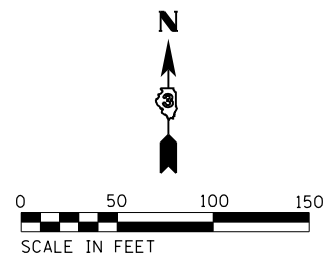
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING
LEGEND, GENERAL NOTES AND INDEX OF DRAWINGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	165
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



REMOVAL OF LIGHTING UNIT, SALVAGE, ②
REMOVAL OF POLE FOUNDATION

EXISTING ELECTRIC
UTILITY SERVICE,
240 V, 1Ø, 30 A
STA. 428+47
OFFSET 93' LT

- DEMOLITION NOTES:
- ① EXISTING CONDUCTOR SHALL BE REMOVED AND UNIT DUCT SHALL BE DEMOLISHED TO 1 FOOT BELOW GRADE AND ABANDONED.
 - ② BEACON LIGHT SHALL REMAIN IN OPERATION UNTIL COMBINATION LIGHTING IS OPERATIONAL.

SA
STRAND
ASSOCIATES*

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.0000' / 1" =	CHECKED - BMA	REVISED -
PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISED -

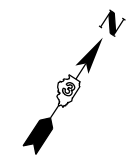
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING DEMOLITION PLAN ELDAMAIN ROAD & RIVER ROAD			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	166
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

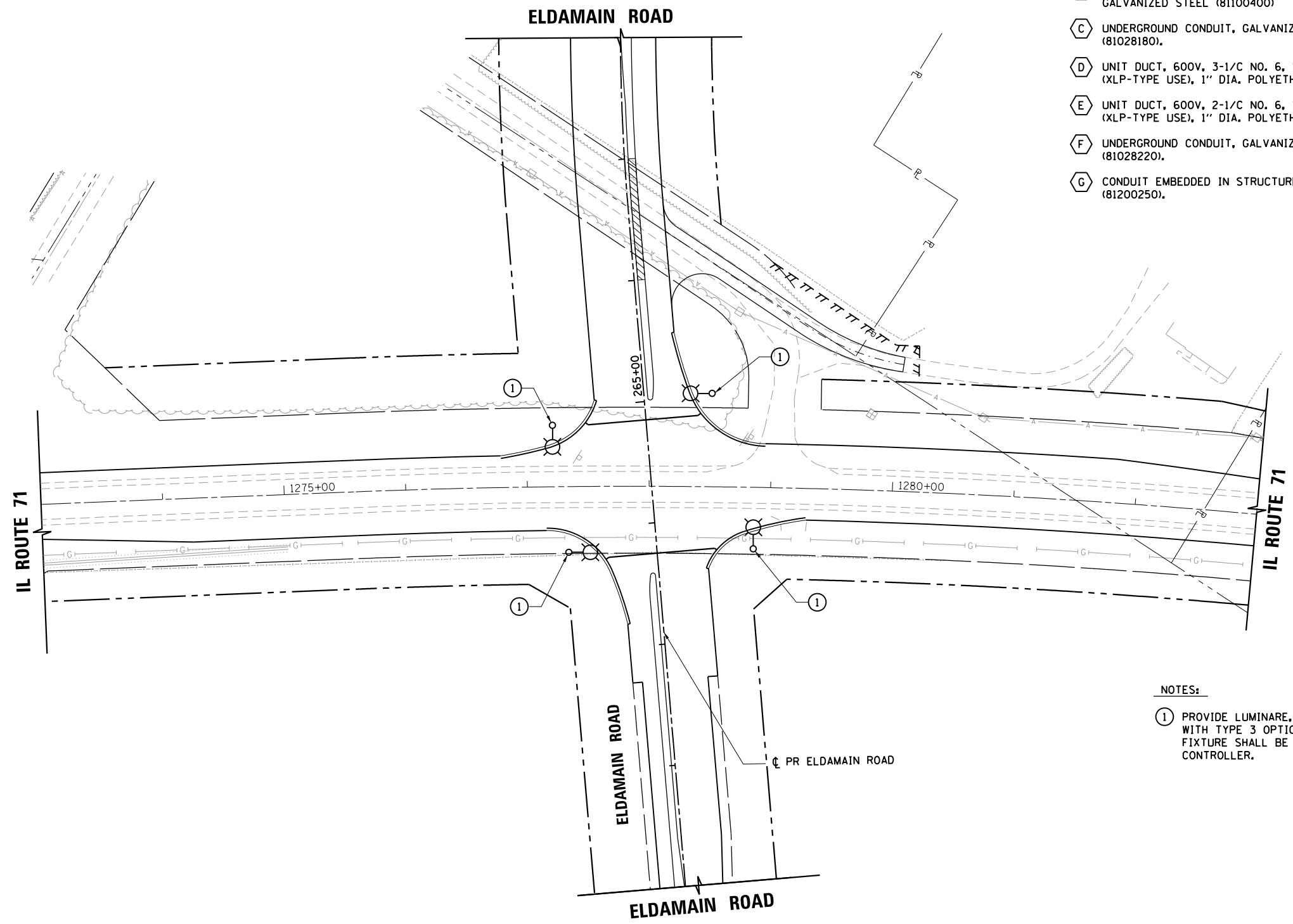


SCALE IN FEET



UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- A** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
- B** CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL (81100400)
- C** UNDERGROUND CONDUIT, GALVANIZED STEEL, 1-1/4" DIA. (81028180).
- D** UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND. (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
- E** UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND. (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
- F** UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).
- G** CONDUIT EMBEDDED IN STRUCTURE 3" DIA., PVC (81200250).



NOTES:

- I** PROVIDE LUMINARE, LED, OUTPUT DESIGNATION G WITH TYPE 3 OPTICS ON COMBINATION MAST ARM. FIXTURE SHALL BE POWERED FROM TRAFFIC SIGNAL CONTROLLER.

FILE NAME: S:\US\3180-3890-MSP\022\Micro\CAD\Draws\Lighting.dwg

SA STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

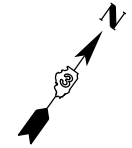
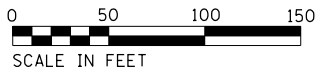
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DRAWN - DJW	REVISIONS -	
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PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
 ELDAMAIN ROAD & IL ROUTE 71**

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

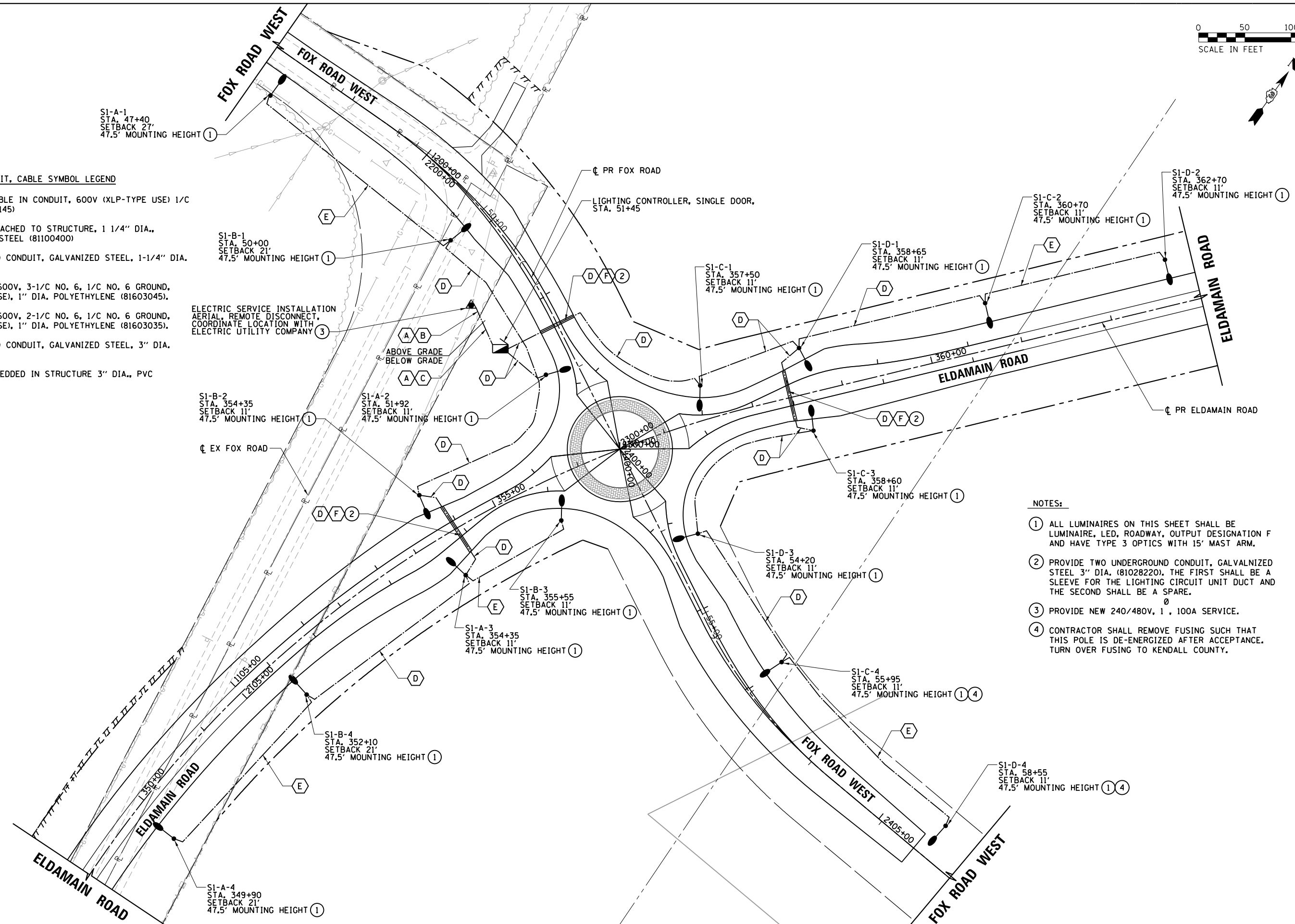
F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	167
CONTRACT NO. 87731				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- (A) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
- (B) CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL (81100400)
- (C) UNDERGROUND CONDUIT, GALVANIZED STEEL, 1-1/4" DIA. (81028180).
- (D) UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
- (E) UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
- (F) UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).
- (G) CONDUIT EMBEDDED IN STRUCTURE 3" DIA., PVC (81200250).

ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT, COORDINATE LOCATION WITH ELECTRIC UTILITY COMPANY (3)



NOTES:

- (1) ALL LUMINAIRE ON THIS SHEET SHALL BE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F AND HAVE TYPE 3 OPTICS WITH 15' MAST ARM.
- (2) PROVIDE TWO UNDERGROUND CONDUIT, GALVANIZED STEEL 3" DIA. (81028220). THE FIRST SHALL BE A SLEEVE FOR THE LIGHTING CIRCUIT UNIT DUCT AND THE SECOND SHALL BE A SPARE.
- (3) PROVIDE NEW 240/480V, 1, 100A SERVICE.
- (4) CONTRACTOR SHALL REMOVE FUSING SUCH THAT THIS POLE IS DE-ENERGIZED AFTER ACCEPTANCE. TURN OVER FUSING TO KENDALL COUNTY.



USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.00' / 1" =	DRAWN - DJW	REVISED -
PLOT DATE = 9/14/2020	CHECKED - BMA	REVISED -
	DATE - \$PLANDATE\$	REVISED -

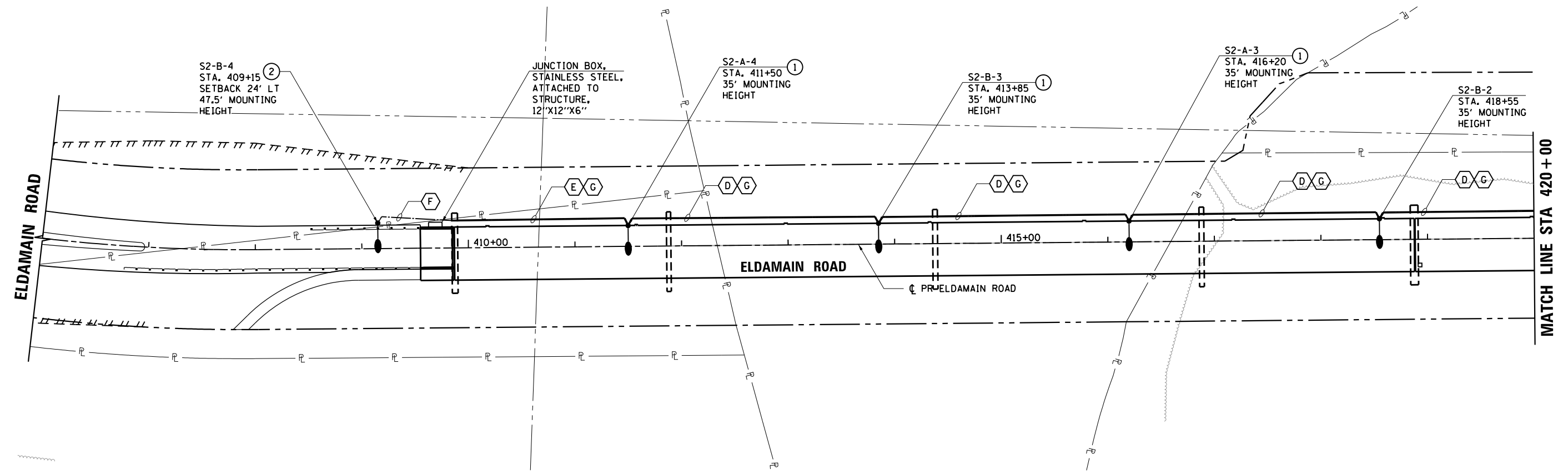
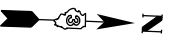
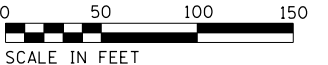
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
ELDAMAIN ROAD & FOX ROAD WEST**

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	168
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



- UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND**
- (A) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
 - (B) CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL (81100400)
 - (C) UNDERGROUND CONDUIT, GALVANIZED STEEL, 1-1/4" DIA. (81028180).
 - (D) UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
 - (E) UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
 - (F) UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).
 - (G) CONDUIT EMBEDDED IN STRUCTURE 3" DIA., PVC (81200250).

- NOTES:**
- (1) FIXTURE SHALL BE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E WITH TYPE 2 OPTICS AND 12" MAST ARM.
 - (2) FIXTURE SHALL BE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E WITH TYPE 2 OPTICS AND 15" MAST ARM.

FILE NAME: S:\JULI03\3800-3890-3890\02\NORTH\0001\0001.dwg

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.00' / 1" =	CHECKED - BMA	REVISIONS -
PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISIONS -

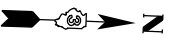
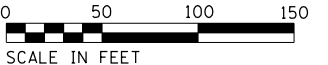
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
 ELDAMAIN ROAD
 STA. 406+00 TO 420+00**

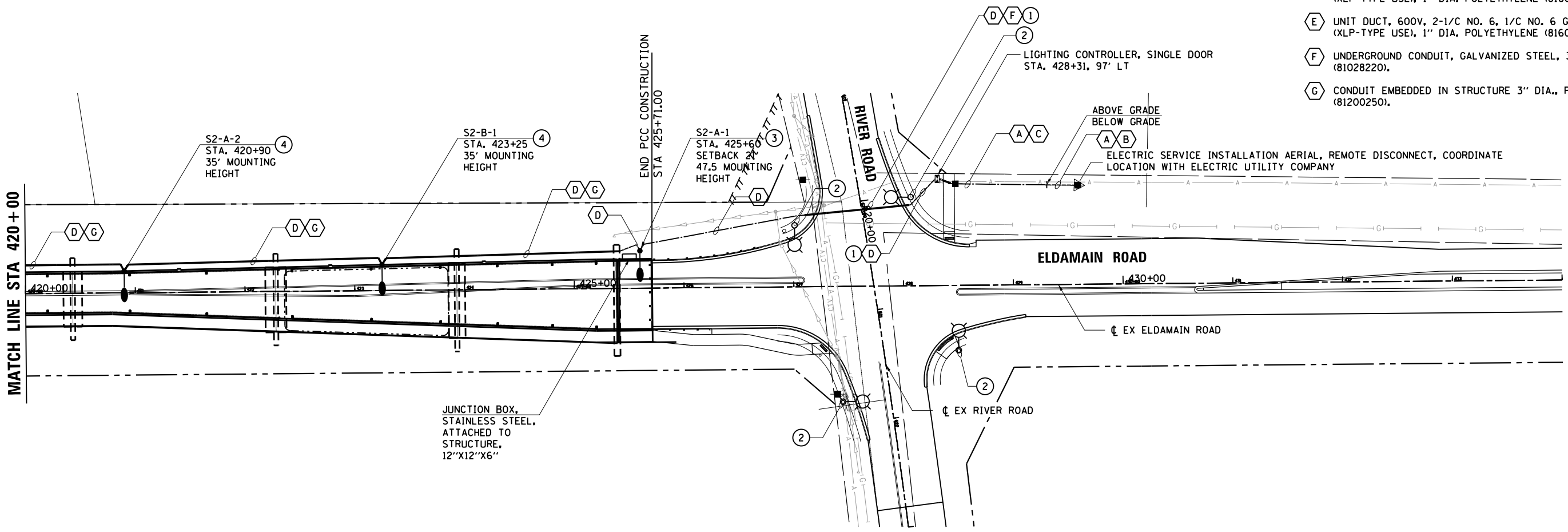
SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 406+00 TO STA. 420+00

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	169
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



- UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND**
- (A) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
 - (B) CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL (81100400)
 - (C) UNDERGROUND CONDUIT, GALVANIZED STEEL, 1-1/4" DIA. (81028180).
 - (D) UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
 - (E) UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
 - (F) UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).
 - (G) CONDUIT EMBEDDED IN STRUCTURE 3" DIA., PVC (81200250).



- NOTES:**
- 1 PROVIDE TWO UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220). THE FIRST SHALL BE A SLEEVE FOR THE LIGHTING CIRCUIT UNIT DUCT AND THE SECOND SHALL BE SPARE.
 - 2 PROVIDE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F WITH TYPE 3 OPTICS ON COMBINATION MAST ARM. FIXTURE SHALL BE POWERED FROM LIGHTING CONTROLLER. CONDUIT AND CONDUCTORS FOR THESE LUMINAIRES ARE SHOWN AND INCLUDED FOR PAYMENT ON THE TRAFFIC SIGNAL DRAWINGS.
 - 3 FIXTURE SHALL BE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E WITH TYPE 2 OPTICS AND 15' MAST ARM.
 - 4 FIXTURE SHALL BE LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E WITH TYPE 2 OPTICS AND 12' MAST ARM.

FILE NAME: S:\JULIEN\3800-3850-3850-MR-002-Micro-CAD-Drawings\Lighting-04.dgn
 STRAND ASSOCIATES

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.00' / in.	CHECKED - BMA	REVISIONS -
PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISIONS -

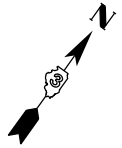
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
 ELDAMAIN ROAD
 STA. 420+00 TO 434+00**

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 420+00 TO STA. 434+00

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	170
CONTRACT NO. 87731				

FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT

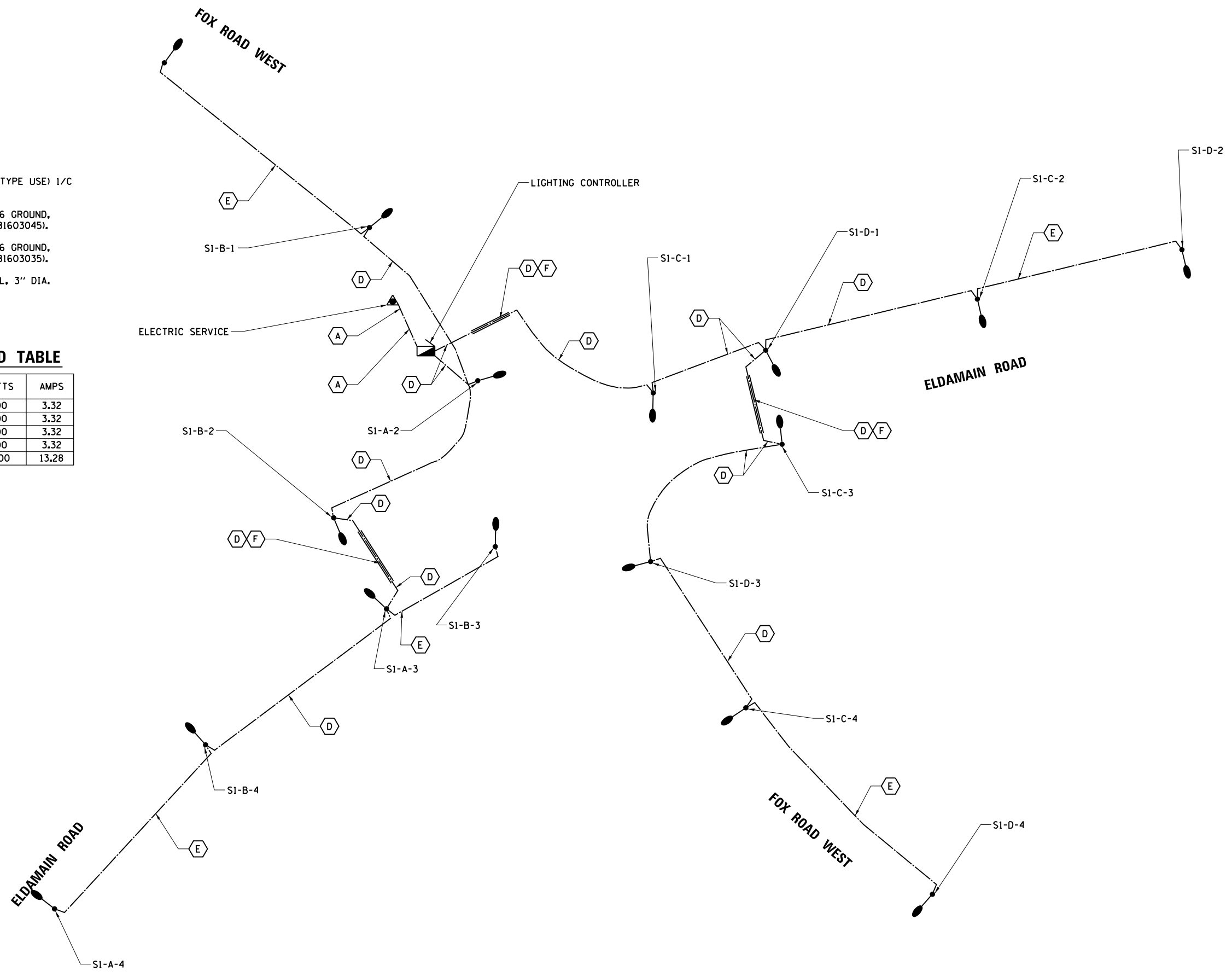


UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- A** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
- D** UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
- E** UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
- F** UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).

ROUNDAABOUT LIGHTING LOAD TABLE

CIRCUIT	DESCRIPTION	ROADWAY LUMINAIRES	WATTS	AMPS
A	ROUNDAABOUT	4	800	3.32
B	ROUNDAABOUT	4	800	3.32
C	ROUNDAABOUT	4	800	3.32
D	ROUNDAABOUT	4	800	3.32
	TOTAL	16	3200	13.28



FILE NAME: S:\US\3840-3850-3860-3870-3880\MicroStation\Drawings\Lighting\Lighting.mxd
 STRAND ASSOCIATES*

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
STRAND
 ASSOCIATES*
 (815) 744-4200

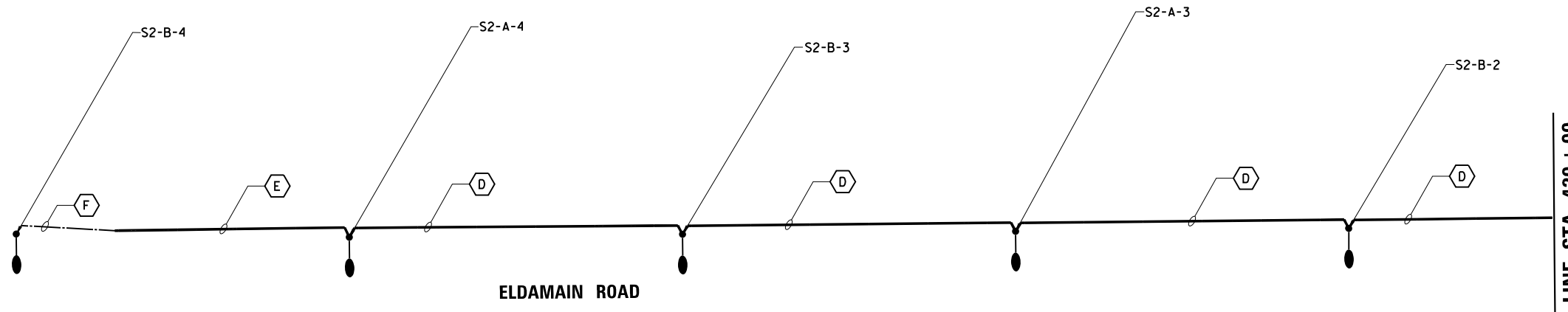
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DRAWN - DJW	REVISIONS -	
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PLLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE WIRING DIAGRAM
ELDAMAIN ROAD & FOX ROAD WEST

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	171
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87731	

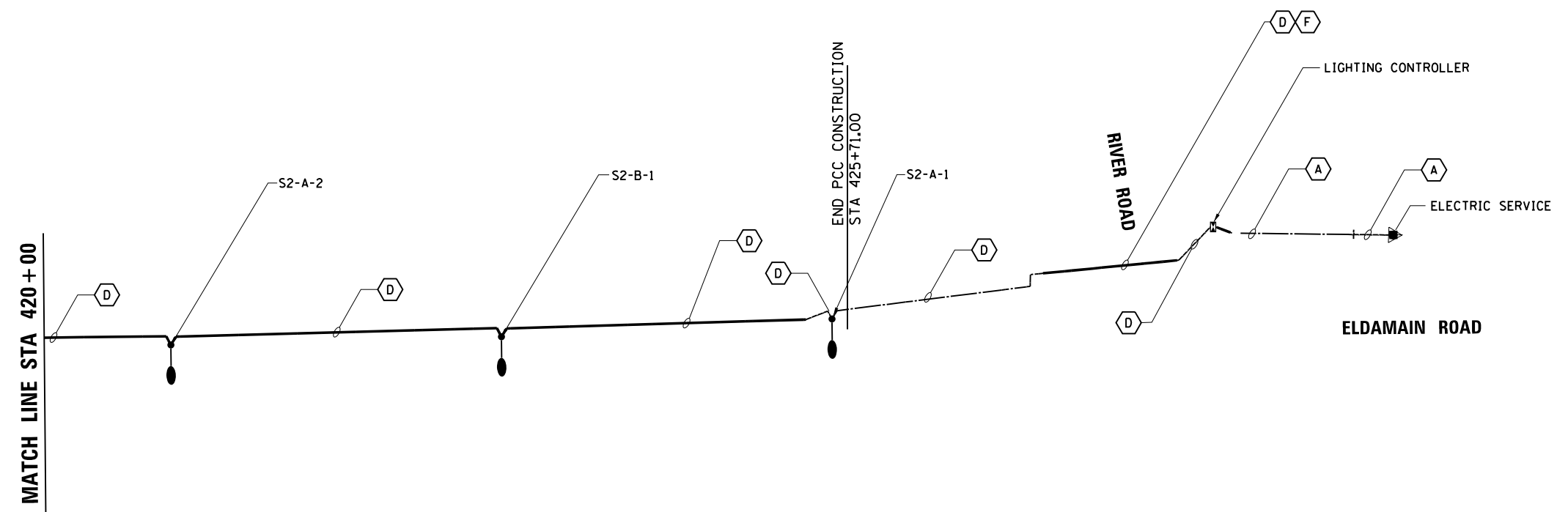


- UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND**
- (A) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)
 - (D) UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603045).
 - (E) UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603035).
 - (F) UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220).

MATCH LINE STA 420+00

BRIDGE LIGHTING LOAD TABLE

CIRCUIT	DESCRIPTION	ROADWAY LUMINAIRES	WATTS	AMPS
A	BRIDGE	4	480	2
B	BRIDGE	4	480	2
	TOTAL	8	960	4



MATCH LINE STA 420+00

END PCC CONSTRUCTION
STA 425+71.00

FILE NAME: S:\US\3800-3850-MP\0202\NCR\002\Draws\EL Light\Diagram2.dgn

STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.00' / in.	CHECKED - BMA	REVISIONS -
PLOT DATE = 9/14/2020	DATE - \$PLANDATE\$	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE WIRING DIAGRAM
ELDAMAIN ROAD
STA. 420+00 TO 434+00**

SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 420+00 TO STA. 434+00

F.A.U. RTE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	172
CONTRACT NO. 87731				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



Luminaire Performance Table



Project Information table with fields: Date, Contract Number, Section Number, County

Marked Route Number, Municipality table

Roadway table with fields: Lane Width, # of Lanes, Median Width, I.E.S. Surface Classification, Q-Zero Value

Structure table with fields: Mounting Height, Arm Length, Set-Back, Number of Luminaires

Luminaire table with fields: Description, I.E.S. Lateral Distribution, I.E.S. Vertical Distribution, Total Light Loss Factor (LLF), B-U-G Rating, Shields, Dimming Protocol

Layout table with fields: Spacing (to Nearest 5 ft), Configuration (Opposite, Staggered, 1 Sided, or Median)

Performance table with fields: Average Illuminance, E_{AVE} (fc), Uniformity Ratio, E_{AVE}/E_{MIN}

Performance table with fields: Average Luminance, L_{AVE} (cd/m²), Uniformity Ratio, L_{AVE}/L_{MIN}, Uniformity Ratio, L_{MAX}/L_{MIN}, Veiling Luminance Ratio, L_V/L_{AVE}

Light Trespass table with fields: Distance to ROW (behind pole), Max. Horizontal Illuminance at ROW, E_H, Max. Vertical Illuminance at ROW, E_V

- Notes: 1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire. 2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway. 3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95. 4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Luminaire, LED, Roadway, Output Des E
a. Calculations shall be performed with 1 lanes in each direction.
b. Compliance with performance criteria shall be held to one significant digit.
c. Initial lumens of the proposed luminaire may vary from the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

Printed 09/14/20

BDE 5630 (04/10/19)



Luminaire Performance Table



Project Information table with fields: Date, Contract Number, Section Number, County

Marked Route Number, Municipality table

Roadway table with fields: Lane Width, # of Lanes, Median Width, I.E.S. Surface Classification, Q-Zero Value

Structure table with fields: Mounting Height, Arm Length, Set-Back, Number of Luminaires

Luminaire table with fields: Description, I.E.S. Lateral Distribution, I.E.S. Vertical Distribution, Total Light Loss Factor (LLF), B-U-G Rating, Shields, Dimming Protocol

Layout table with fields: Spacing (to Nearest 5 ft), Configuration (Opposite, Staggered, 1 Sided, or Median)

Performance table with fields: Average Illuminance, E_{AVE} (fc), Uniformity Ratio, E_{AVE}/E_{MIN}

Performance table with fields: Average Luminance, L_{AVE} (cd/m²), Uniformity Ratio, L_{AVE}/L_{MIN}, Uniformity Ratio, L_{MAX}/L_{MIN}, Veiling Luminance Ratio, L_V/L_{AVE}

Light Trespass table with fields: Distance to ROW (behind pole), Max. Horizontal Illuminance at ROW, E_H, Max. Vertical Illuminance at ROW, E_V

- Notes: 1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire. 2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway. 3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95. 4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Luminaire, LED, Roadway, Output Des F
a. Calculations shall be performed with 2 lanes in each direction.
b. Compliance with performance criteria shall be held to one significant digit.
c. Initial lumens of the proposed luminaire may vary from the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

Printed 09/14/20

BDE 5630 (04/10/19)



Luminaire Performance Table



Project Information table with fields: Date, Contract Number, Section Number, County

Marked Route Number, Municipality table

Roadway table with fields: Lane Width, # of Lanes, Median Width, I.E.S. Surface Classification, Q-Zero Value

Structure table with fields: Mounting Height, Arm Length, Set-Back, Number of Luminaires

Luminaire table with fields: Description, I.E.S. Lateral Distribution, I.E.S. Vertical Distribution, Total Light Loss Factor (LLF), B-U-G Rating, Shields, Dimming Protocol

Layout table with fields: Spacing (to Nearest 5 ft), Configuration (Opposite, Staggered, 1 Sided, or Median)

Performance table with fields: Average Illuminance, E_{AVE} (fc), Uniformity Ratio, E_{AVE}/E_{MIN}

Performance table with fields: Average Luminance, L_{AVE} (cd/m²), Uniformity Ratio, L_{AVE}/L_{MIN}, Uniformity Ratio, L_{MAX}/L_{MIN}, Veiling Luminance Ratio, L_V/L_{AVE}

Light Trespass table with fields: Distance to ROW (behind pole), Max. Horizontal Illuminance at ROW, E_H, Max. Vertical Illuminance at ROW, E_V

- Notes: 1. Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire. 2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway. 3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95. 4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Luminaire, LED, Roadway, Output Des G
a. Calculations shall be performed with 3 lanes in each direction.
b. Compliance with performance criteria shall be held to one significant digit.
c. Initial lumens of the proposed luminaire may vary from the values specified in the table given in Article 1067.06 of the BDE Special Provision for Luminaire, LED.

Printed 09/14/20

BDE 5630 (04/10/19)

FILE NAME: I:\US_3380-3890-3890_MRF_0202\NCR\CA\0202\Drawings\Lighting\Performance Tables.dwg



USER INFORMATION table with fields: USER NAME, PLOT SCALE, PLOT DATE

DESIGNED, DRAWN, CHECKED, DATE table with fields: DESIGNED, DRAWN, CHECKED, DATE

REVISED table with fields: REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LUMINAIRE PERFORMANCE TABLES ELDAMAIN ROAD

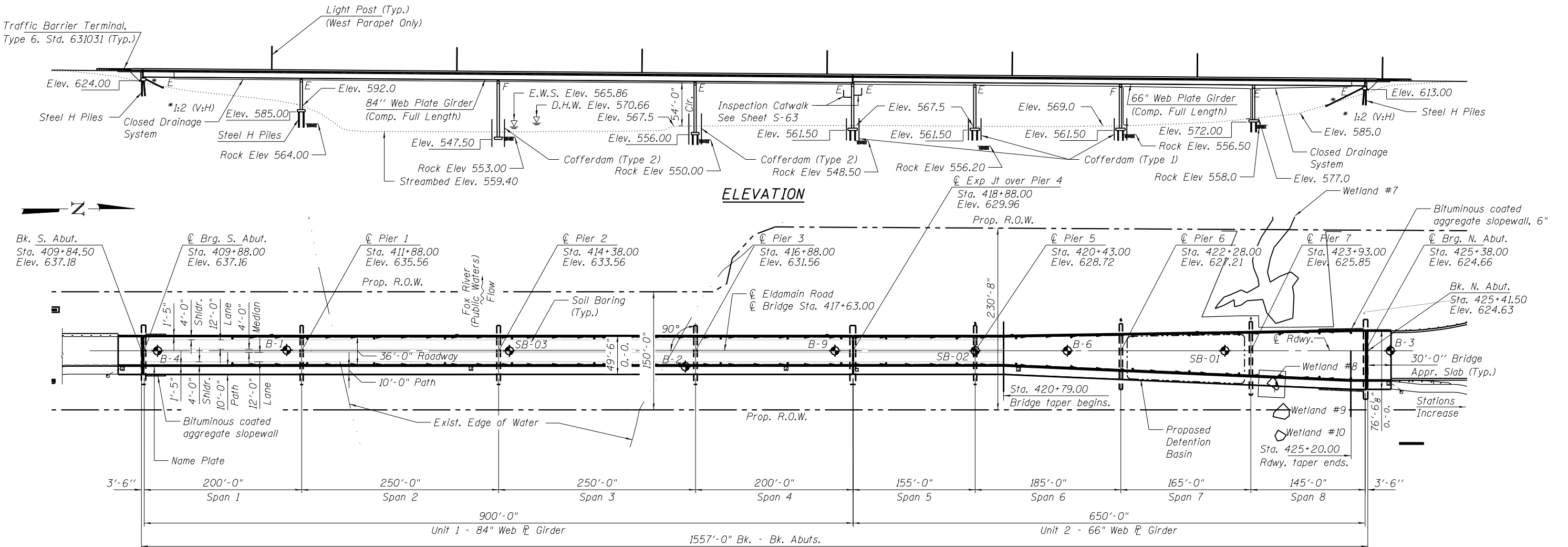
Summary table with fields: F.A.U. RTE, SECTION NO., COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

BENCHMARK: Railroad spike in north face of 3rd power pole east of Eldamain Road on south side of River Road.
Elevation = 623.49, Eldamain Rd. Sta. 427+63.15 (279.64' right), River Rd. Sta. 623+55.14 (46.01' right).

EXISTING STRUCTURE: none

SALVAGE: none

UTILITIES: none



PLAN

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)									Item 113
	S. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	N. Abut.	
Q100	625.0	592.0	553.8	564.0	564.3	563.5	563.9	577.1	615.0	8
Q200	625.0	592.0	553.7	563.6	563.9	563.2	563.6	577.1	615.0	
Design	624.0	585.0	553.0	556.0	561.5	561.5	561.5	572.0	613.0	
Check	624.0	585.0	553.0	556.0	561.5	561.5	561.5	572.0	613.0	

DESIGN SPECIFICATIONS

2015 & 2016 Interim to AASHTO LRFD Bridge Design Specifications, Seventh Edition, 2014

LOADING HL-93

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

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Superstructure Concrete)
 $f_y = 60,000$ psi (Reinf.)
 $f_y = 50,000$ psi (Structural Steel M270 GR 50W)

SEISMIC DATA

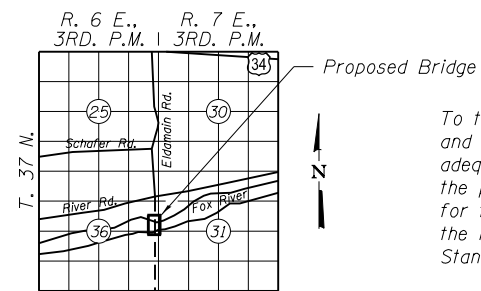
Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.093g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.167g
 Soil Site Class = C

WATERWAY INFORMATION

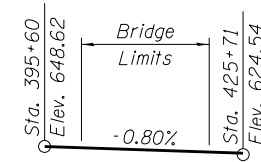
Drainage Area = 1880 Sq. Mi. Proposed Low Grade Elev. 624.9 @ Sta. 425+20

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	11500	4420	5960	569.14	570.66	0.00	0.03	569.14	569.17
Base	30	15000	5960	7600	570.66	572.27	0.00	0.03	570.66	570.69
Max. Calc.	100	19000	7600	9700	572.27	574.33	0.00	0.02	572.27	572.30
	500	24500	9700		574.33		0.00	0.02	574.33	574.35

10 Year Velocity through Existing Bridge = N/A
 10 Year Velocity through Proposed Bridge = 2.6 fps



LOCATION SKETCH



PROFILE GRADE

To the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Steven L. Schwarz
 Structural Engineer Expires: 11/30/2020
 HRGreen



**GENERAL PLAN AND ELEVATION
 C.H. 7 / ELDAMAIN ROAD
 OVER FOX RIVER (PUBLIC WATER)
 FAU RTE 4000 - SEC. 19-00153-00-BR
 KENDALL COUNTY
 STATION 417+63.00
 STRUCTURE NO. 047-3175**

HRG PROJECT NO.: 881028B
 HRG PROJ. CONTACT: 3818 S. R. GPE-foxgpn
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 PEN TABLE:



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	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - SLS	REVISED -
PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 PROPOSED SN: 047-3175**

SHEET NO. S-1 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	173
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

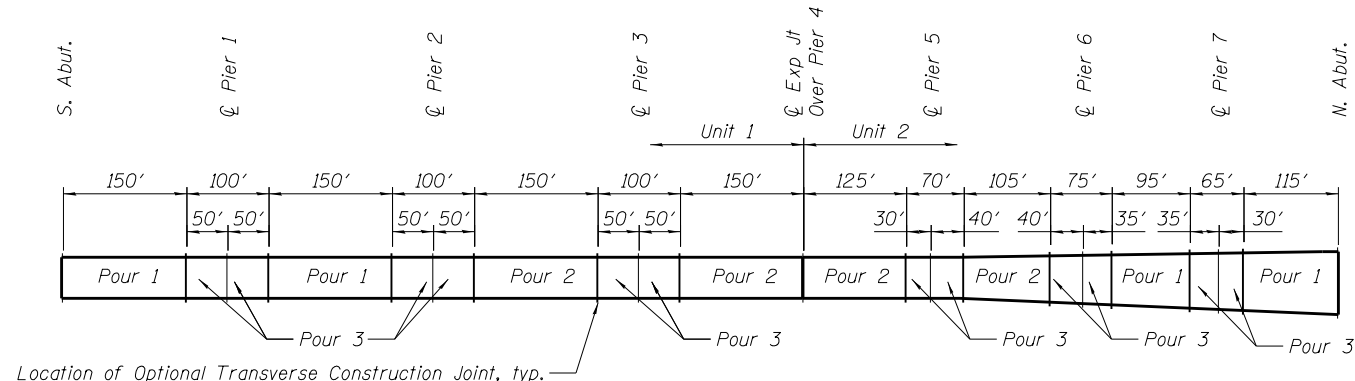
- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.
- Calculated weight of Structural Steel = 4,935,700 lb
- All structural steel shall be AASHTOM 270 Grade 50W except expansion joints which shall be AASHTO M270 Grade 50.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the Piers and Abutments.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications. Painting is included in Furnishing and Erecting Structural Steel.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- See General Notes on Substructure Layout and Cofferdam Plan Sheet for information on IDNR Permit. Contractor is required to obtain a Stormwater Management Permit from Kendall County prior to the start of construction.
- Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
- When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as shown, the next pour shall not be made until both of the following are met:
 - At least 72 hours shall have elapsed from the end of the previous pour.
 - The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.
- Slipformed parapets will not be allowed.
- Protective coat shall be applied to all deck and sidewalk areas, as well as all surfaces of the east barrier and top and roadway side of west barrier.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
STRUCTURE EXCAVATION	CU YD		1,152	1,152
COFFERDAM EXCAVATION	CU YD		2,599	2,599
ROCK EXCAVATION FOR STRUCTURES	CU YD		313	313
COFFERDAM (TYPE 1) (LOCATION - 3)	EACH		1	1
COFFERDAM (TYPE 1) (LOCATION - 4)	EACH		1	1
COFFERDAM (TYPE 1) (LOCATION - 5)	EACH		1	1
COFFERDAM (TYPE 2) (LOCATION - 1)	EACH		1	1
COFFERDAM (TYPE 2) (LOCATION - 2)	EACH		1	1
CONCRETE STRUCTURES	CU YD		4,052.0	4,052.0
CONCRETE SUPERSTRUCTURE	CU YD	2,628.9		2,628.9
BRIDGE DECK GROOVING	SQ YD	6,864		6,864
SEAL COAT CONCRETE	CU YD		698	698
CONCRETE ENCASEMENT	CU YD		23.3	23.3
PROTECTIVE COAT	SQ YD	11,201		11,201
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	173.7		173.7
FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1		1
STUD SHEAR CONNECTORS	EACH	39,072		39,072
REINFORCEMENT BARS, EPOXY COATED	POUND	802,379	877,111	1,679,490
BICYCLE RAILING	FOOT	1,615		1,615
FURNISHING STEEL PILES HP14X89	FOOT		3,057	3,057
DRIVING PILES	FOOT		3,057	3,057
TEST PILE STEEL HP14X89	EACH		3	3
NAME PLATES	EACH	1		1
DRILLED SHAFT IN SOIL	CU YD		153	153
DRILLED SHAFT IN ROCK	CU YD		313.3	313.3
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	16		16
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	16		16
ANCHOR BOLTS, 3/4"	EACH		16	16
ANCHOR BOLTS, 1"	EACH		112	112
ANCHOR BOLTS, 1 1/4"	EACH		80	80
ANCHOR BOLTS, 1 1/2"	EACH		16	16
GRANULAR BACKFILL FOR STRUCTURES	CU YD		456	456
CONCRETE SEALER	SQ FT		7,448	7,448
GEOCOMPOSITE WALL DRAIN	SQ YD		198	198
DRAINAGE SYSTEM (SPECIAL)	LSUM	1		1
BICYCLE RAILING (PARAPET MOUNTED)	FOOT	1,615		1,615
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 500K	EACH	8		8
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 550K	EACH	8		8
HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 600K	EACH	16		16
DRAINAGE SCUPPERS, DS-11	EACH	39		39
DRAINAGE SCUPPERS, DS-12	EACH	1		1
MODULAR EXPANSION JOINT 6"	FOOT	98		98
MODULAR EXPANSION JOINT 12"	FOOT	36		36
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		254	254
BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD		668	668
FOX RIVER PERMITTING	LSUM	1		1
CATWALK ACCESS HATCH (SPECIAL)	EACH	1		1
CATWALK (SPECIAL)	LSUM		1	1
UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	80		80
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3,230		3,230
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12" x 12" x 6"	EACH	5		5
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2		2

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- General Data
- General Details
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- 12-16 Top of Slab Elevations - Unit 2
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- 41-42 Steel Girder Details - Unit 1
- 43-44 Steel Girder Details - Unit 2
- 45 Cross Frame Details - Unit 1
- 46 Cross Frame Details - Unit 2
- 47 Bearing Details - Unit 1
- 48 Bearing Details - Unit 2
- 49 Bearing Details - Unit 2
- 50 High Load Multi-Rotational Bearing Details
- 51 South Abutment
- 52 South Abutment Details
- 53 North Abutment
- 54 North Abutment Details
- 55 Pier 1
- 56 Pier 2
- 57 Pier 3
- 58 Pier 4
- 59 Pier 5
- 60 Pier 6
- 61 Pier 7
- 62 Pier Details - Sections
- 63 Catwalk Details
- 64 HP Pile Details
- 65 Drilled Shaft Details
- 66 Lighting Plan
- 67 Intentionally Left Blank
- 68-72 Soil Boring Logs



POURING SEQUENCE

- See General Notes this sheet regarding pouring sequence

FOX RIVER
BUILT 20___ BY
KENDALL COUNTY
HIGHWAY DEPARTMENT
SEC. 19-00153-00-BR
F.A. RT. 4000 STA. 417+63
LOADING HL-93
STR. NO. 047-3175

NAME PLATE
See Std. 515001

HRG PROJECT NO.: 881028I
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

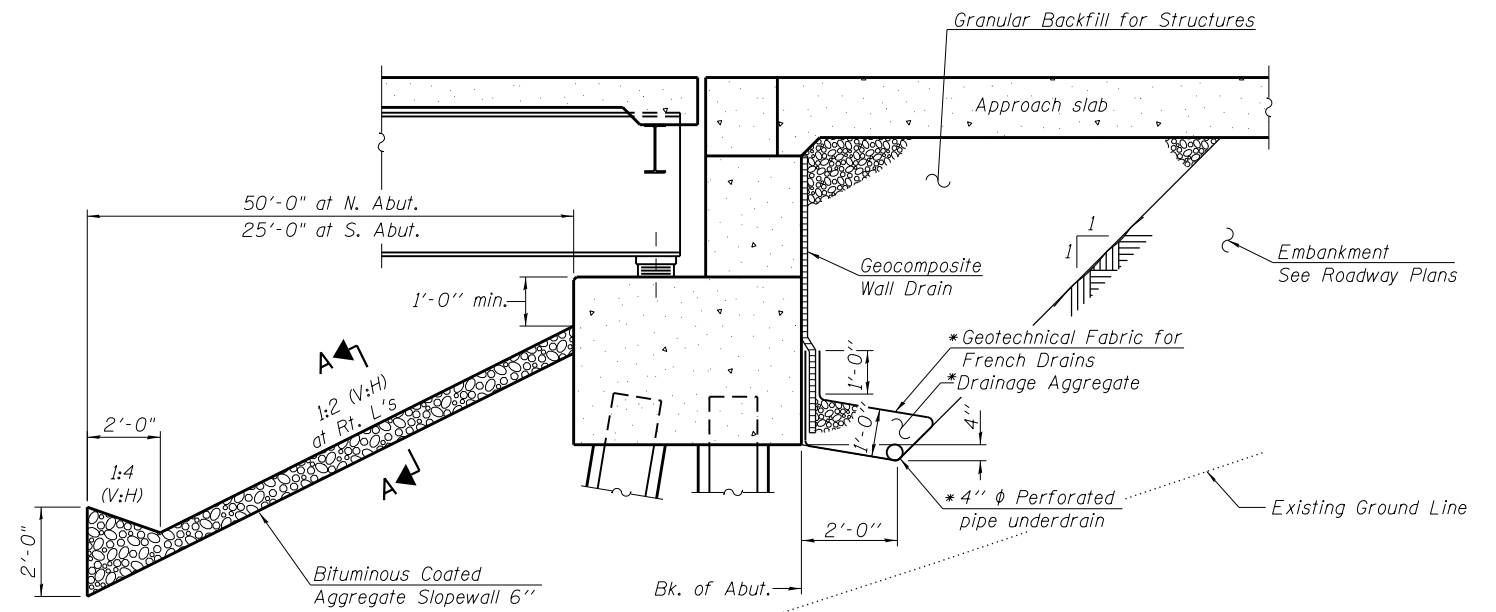
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SHEET NO. S-2 OFS-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	174
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

SUGGESTED CONSTRUCTION SEQUENCE

1. Determine access requirements
2. Verify, obtain permits for temporary access
3. Place North and South Abutment Embankment to Bottom of Abutment.
4. Place Temporary Haul Roads, if required.
5. Place Temporary In-Stream Access to Piers 1 and 3, if required.
6. Construct Cofferdams, Pier 3 through Pier 6.
7. Construct Pier 3 through Pier 6.
8. Place Temporary In-Stream Access to Piers 2.
9. Remove Cofferdams, Pier 3 through Pier 6.
10. Construct Pier 2 Cofferdam.
11. Construct Pier 2.
12. Remove Pier 2 Cofferdam.
13. Construct North and South Abutments.
14. Construct Slopewalls at North and South Abutments.
15. Erect Structural Steel.
16. Form and Cast Concrete Superstructure.
17. Remove All Temporary In-Stream Access to Piers.
18. Clean-up and Restore.

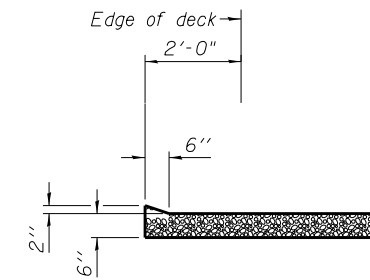


**SECTION THRU PILE SUPPORTED
STUB ABUTMENT**
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

Note:

All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110). Cost of Concrete Headwalls is included in Pipe Underdrains for Structures.



SECTION A-A

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PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS
SN: 047-3175**

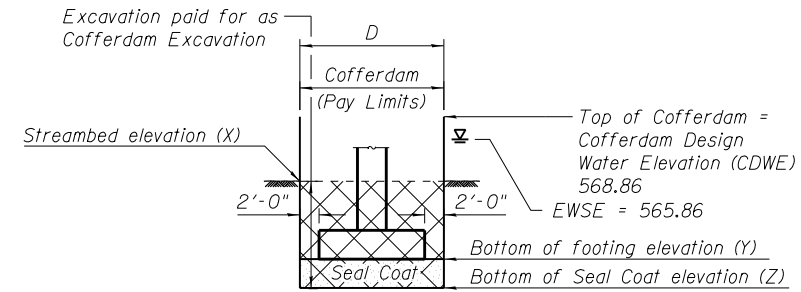
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CONTRACT NO. 87731				

ILLINOIS FED. AID PROJECT

GENERAL NOTES

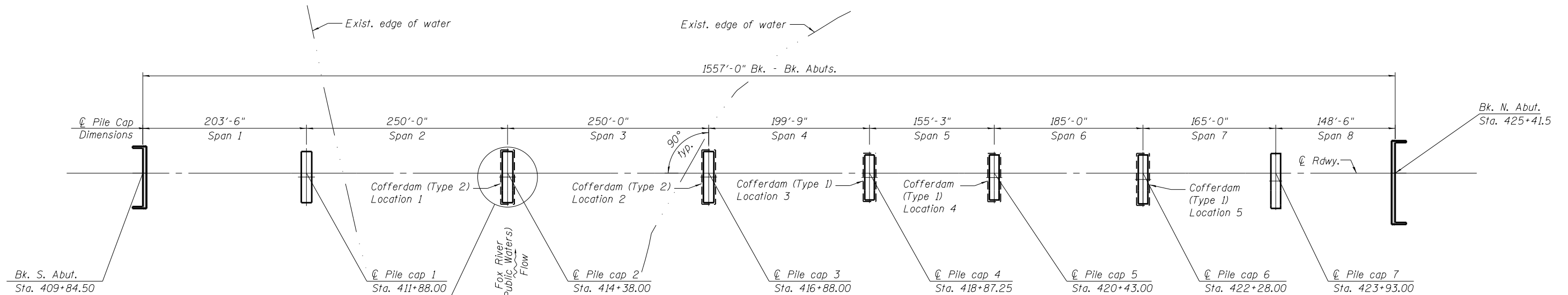
- The Contractor shall be responsible for a survey of the work zone, which includes station and elevations, upon project completion to demonstrate that the river has been restored to the condition prior to commencement of construction. Cost of survey included with cofferdam (Type 2), Location 1.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans. See Special Provisions for number of days Contractor shall include in his schedule for permit acquisition and how permit acquisition is paid for.
- Work shall conform to all provisions of the Erosion Control Plan.
- Haul Roads, In-Stream Work Pads and Causeways, if needed, shall be constructed in accordance with the Recurring Special Provision Check Sheet #8.
- Contractor shall review and adhere to the IDNR-OWR permit stipulations (see Special Provisions).
- To minimize construction related effects on the River Redhorse, construction in the Fox River will not occur during the March 15 to May 15 fish spawning period and Erosion Control Plan shall be followed.



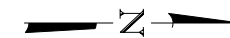
* Weathered Shale Elevations from Soil Borings indicate that room for Seal Coat thickness above shale will be limited. Embedment of Cofferdam below bottom of footing and/or Seal Coat may not be feasible and additional members or other retention systems may be necessary for cofferdam construction. The Contractor shall submit a Cofferdam design including plan details and calculations for review and acceptance by the Engineer.

Pier	Weathered Shale Elevations
1	564.00
*2	553.00
*3	550.00
4	548.50
5	556.20
*6	556.50
7	558.00

Elevation	*Pier 2	*Pier 3	Pier 4	Pier 5	*Pier 6
X	559.40	567.50	567.50	567.50	569.00
Y	547.50	556.00	561.50	561.50	561.50
Z	---	550.00	558.50	558.50	558.50

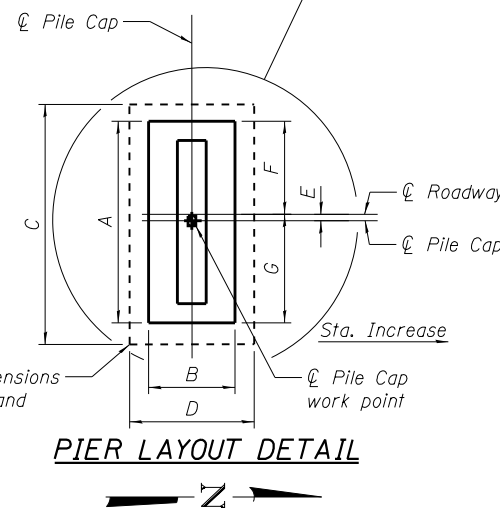


SUBSTRUCTURE LAYOUT AND COFFERDAM PLAN

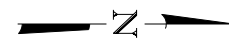


PILE CAP AND COFFERDAM DIMENSIONS

Dimension	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7
A	53'- 10"	64'- 0"	54'- 0"	54'- 0"	54'- 0"	63'- 0"	70'- 4"
B	15'- 0"	24'- 0"	17'- 0"	17'- 0"	17'- 0"	17'- 0"	17'- 0"
C	N/A	68'- 0"	58'- 0"	58'- 0"	58'- 0"	67'- 0"	N/A
D	N/A	28'- 0"	21'- 0"	21'- 0"	21'- 0"	21'- 0"	N/A
E	5'- 4"	5'- 4"	5'- 4"	5'- 4"	5'- 4"	7'- 4"	9'- 6 1/2"
F	21'- 7"	26'- 8"	21'- 8"	21'- 8"	21'- 8"	24'- 2"	25'- 7 1/2"
G	32'- 3"	37'- 4"	32'- 4"	32'- 4"	32'- 4"	38'- 10"	44'- 8 1/2"



PIER LAYOUT DETAIL



BILL OF MATERIALS

Item	Unit	Total
Cofferdam (Type 2) (Location - 1)	Each	1
Cofferdam (Type 2) (Location - 2)	Each	1
Cofferdam (Type 1) (Location - 3)	Each	1
Cofferdam (Type 1) (Location - 4)	Each	1
Cofferdam (Type 1) (Location - 5)	Each	1
Seal Coat Concrete	Cu. Yd.	698
Cofferdam Excavation	Cu. Yd.	2,811

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HRGreen.com
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 #184-001322

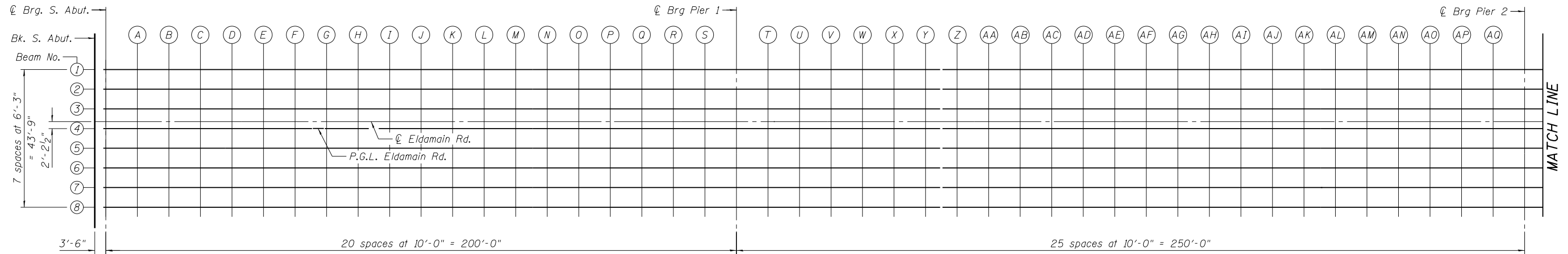
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

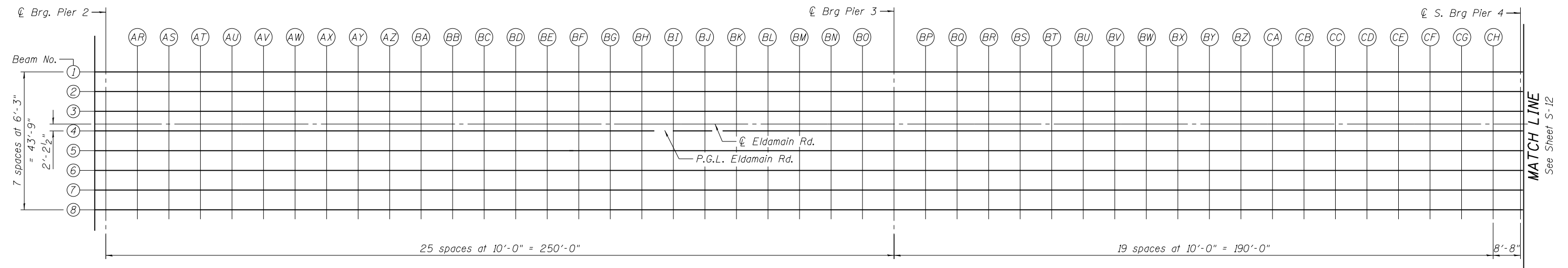
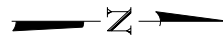
SUBSTRUCTURE LAYOUT AND COFFERDAM PLAN
 SN: 047-3175

SHEET NO. S-4 OF S-72 SHEETS

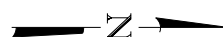
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4000	19-00153-00-BR	KENDALL	485	176
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	



PLAN - UNIT 1



PLAN - UNIT 1



HRG PROJECT NO.: 881028
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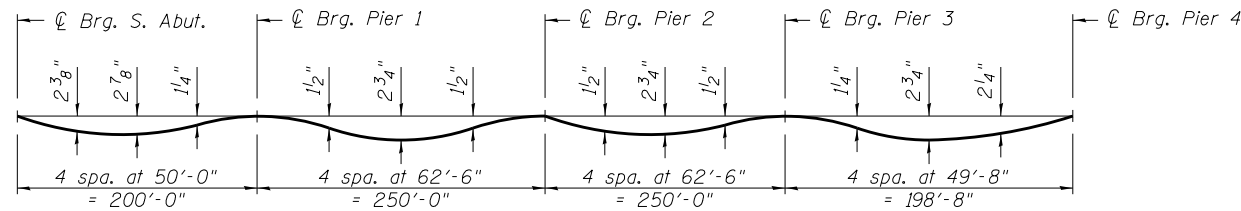
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
 SN: 047-3175

SHEET NO. S-5 OF S-72 SHEETS

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4000	19-00153-00-BR	KENDALL	485	177
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

MATCH LINE
 See Sheet S-12

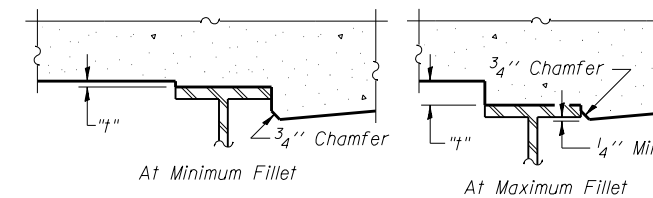


DEAD LOAD DEFLECTION DIAGRAM - UNIT 1

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	-16.54	636.89	636.89
A	409+98.00	-16.54	636.81	636.86
B	410+08.00	-16.54	636.73	636.83
C	410+18.00	-16.54	636.65	636.79
D	410+28.00	-16.54	636.57	636.74
E	410+38.00	-16.54	636.49	636.69
F	410+48.00	-16.54	636.41	636.64
G	410+58.00	-16.54	636.33	636.57
H	410+68.00	-16.54	636.25	636.50
I	410+78.00	-16.54	636.17	636.41
J	410+88.00	-16.54	636.09	636.33
K	410+98.00	-16.54	636.01	636.23
L	411+08.00	-16.54	635.93	636.13
M	411+18.00	-16.54	635.85	636.02
N	411+28.00	-16.54	635.77	635.91
O	411+38.00	-16.54	635.69	635.80
P	411+48.00	-16.54	635.61	635.69
Q	411+58.00	-16.54	635.53	635.58
R	411+68.00	-16.54	635.45	635.48
S	411+78.00	-16.54	635.37	635.39
CL Pier 1	411+88.00	-16.54	635.29	635.29
T	411+98.00	-16.54	635.21	635.22
U	412+08.00	-16.54	635.13	635.15
V	412+18.00	-16.54	635.05	635.09
W	412+28.00	-16.54	634.97	635.04
X	412+38.00	-16.54	634.89	634.98
Y	412+48.00	-16.54	634.81	634.93
Z	412+58.00	-16.54	634.73	634.88
AA	412+68.00	-16.54	634.65	634.82
AB	412+78.00	-16.54	634.57	634.76
AC	412+88.00	-16.54	634.49	634.70
AD	412+98.00	-16.54	634.41	634.63
AE	413+08.00	-16.54	634.33	634.56
AF	413+18.00	-16.54	634.25	634.48
AG	413+28.00	-16.54	634.17	634.39
AH	413+38.00	-16.54	634.09	634.30
AI	413+48.00	-16.54	634.01	634.20
AJ	413+58.00	-16.54	633.93	634.10
AK	413+68.00	-16.54	633.85	633.99
AL	413+78.00	-16.54	633.77	633.89
AM	413+88.00	-16.54	633.69	633.78
AN	413+98.00	-16.54	633.61	633.67
AO	414+08.00	-16.54	633.53	633.57
AP	414+18.00	-16.54	633.45	633.47
AQ	414+28.00	-16.54	633.37	633.38

BEAM 1 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Pier 2	414+38.00	-16.54	633.29	633.29
AR	414+48.00	-16.54	633.21	633.22
AS	414+58.00	-16.54	633.13	633.15
AT	414+68.00	-16.54	633.05	633.09
AU	414+78.00	-16.54	632.97	633.04
AV	414+88.00	-16.54	632.89	632.98
AW	414+98.00	-16.54	632.81	632.93
AX	415+08.00	-16.54	632.73	632.87
AY	415+18.00	-16.54	632.65	632.82
AZ	415+28.00	-16.54	632.57	632.76
BA	415+38.00	-16.54	632.49	632.70
BB	415+48.00	-16.54	632.41	632.63
BC	415+58.00	-16.54	632.33	632.56
BD	415+68.00	-16.54	632.25	632.48
BE	415+78.00	-16.54	632.17	632.39
BF	415+88.00	-16.54	632.09	632.30
BG	415+98.00	-16.54	632.01	632.20
BH	416+08.00	-16.54	631.93	632.10
BI	416+18.00	-16.54	631.85	632.00
BJ	416+28.00	-16.54	631.77	631.89
BK	416+38.00	-16.54	631.69	631.78
BL	416+48.00	-16.54	631.61	631.68
BM	416+58.00	-16.54	631.53	631.57
BN	416+68.00	-16.54	631.45	631.47
BO	416+78.00	-16.54	631.37	631.38
CL Pier 3	416+88.00	-16.54	631.29	631.29
BP	416+98.00	-16.54	631.21	631.22
BQ	417+08.00	-16.54	631.13	631.16
BR	417+18.00	-16.54	631.05	631.10
BS	417+28.00	-16.54	630.97	631.05
BT	417+38.00	-16.54	630.89	631.00
BU	417+48.00	-16.54	630.81	630.95
BV	417+58.00	-16.54	630.73	630.90
BW	417+68.00	-16.54	630.65	630.84
BX	417+78.00	-16.54	630.57	630.78
BY	417+88.00	-16.54	630.49	630.72
BZ	417+98.00	-16.54	630.41	630.64
CA	418+08.00	-16.54	630.33	630.57
CB	418+18.00	-16.54	630.25	630.48
CC	418+28.00	-16.54	630.17	630.39
CD	418+38.00	-16.54	630.09	630.28
CE	418+48.00	-16.54	630.01	630.17
CF	418+58.00	-16.54	629.93	630.06
CG	418+68.00	-16.54	629.85	629.94
CH	418+78.00	-16.54	629.77	629.81
CL S. Brg. Pier 4	418+86.67	-16.54	629.70	629.70

E-S

2-17-17

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HRGreen
 HRGreen.com
 Multi-Professional Design Firm
 #184-001322

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PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
SN: 047-3175

SHEET NO. S-6 OFS-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	178
CONTRACT NO.			87731	
ILLINOIS FED. AID PROJECT				

BEAM 2

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Brg. S. Abut. (A-E) and CL Pier 1 (T-U).

BEAM 2 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 2 (AR-BK).

BEAM 2 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 3 (BL-CH) and CL S. Brg. Pier 4.

BEAM 3

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Brg. S. Abut. (A-E) and CL Pier 1 (T-U).

BEAM 3 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 2 (AR-BK).

BEAM 3 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 3 (BL-CH) and CL S. Brg. Pier 4.

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PEN TABLE:

HRGreen.com
Professional Design Firm
#184-001322

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
SN: 047-3175

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Includes section '19-00153-00-BR' and sheet '485' of '179'.

CENTERLINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	0.00	637.16	637.16
A	409+98.00	0.00	637.08	637.13
B	410+08.00	0.00	637.00	637.10
C	410+18.00	0.00	636.92	637.06
D	410+28.00	0.00	636.84	637.02
E	410+38.00	0.00	636.76	636.96
F	410+48.00	0.00	636.68	636.91
G	410+58.00	0.00	636.60	636.84
H	410+68.00	0.00	636.52	636.77
I	410+78.00	0.00	636.44	636.69
J	410+88.00	0.00	636.36	636.60
K	410+98.00	0.00	636.28	636.50
L	411+08.00	0.00	636.20	636.40
M	411+18.00	0.00	636.12	636.29
N	411+28.00	0.00	636.04	636.18
O	411+38.00	0.00	635.96	636.07
P	411+48.00	0.00	635.88	635.96
Q	411+58.00	0.00	635.80	635.86
R	411+68.00	0.00	635.72	635.75
S	411+78.00	0.00	635.64	635.66
CL Pier 1	411+88.00	0.00	635.56	635.56
T	411+98.00	0.00	635.48	635.49
U	412+08.00	0.00	635.40	635.42
V	412+18.00	0.00	635.32	635.36
W	412+28.00	0.00	635.24	635.31
X	412+38.00	0.00	635.16	635.25
Y	412+48.00	0.00	635.08	635.20
Z	412+58.00	0.00	635.00	635.15
AA	412+68.00	0.00	634.92	635.09
AB	412+78.00	0.00	634.84	635.03
AC	412+88.00	0.00	634.76	634.97
AD	412+98.00	0.00	634.68	634.90
AE	413+08.00	0.00	634.60	634.83

CENTERLINE (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AF	413+18.00	0.00	634.52	634.75
AG	413+28.00	0.00	634.44	634.66
AH	413+38.00	0.00	634.36	634.57
AI	413+48.00	0.00	634.28	634.47
AJ	413+58.00	0.00	634.20	634.37
AK	413+68.00	0.00	634.12	634.27
AL	413+78.00	0.00	634.04	634.16
AM	413+88.00	0.00	633.96	634.05
AN	413+98.00	0.00	633.88	633.95
AO	414+08.00	0.00	633.80	633.84
AP	414+18.00	0.00	633.72	633.74
AQ	414+28.00	0.00	633.64	633.65
CL Pier 2	414+38.00	0.00	633.56	633.56
AR	414+48.00	0.00	633.48	633.49
AS	414+58.00	0.00	633.40	633.42
AT	414+68.00	0.00	633.32	633.36
AU	414+78.00	0.00	633.24	633.31
AV	414+88.00	0.00	633.16	633.25
AW	414+98.00	0.00	633.08	633.20
AX	415+08.00	0.00	633.00	633.15
AY	415+18.00	0.00	632.92	633.09
AZ	415+28.00	0.00	632.84	633.03
BA	415+38.00	0.00	632.76	632.97
BB	415+48.00	0.00	632.68	632.90
BC	415+58.00	0.00	632.60	632.83
BD	415+68.00	0.00	632.52	632.75
BE	415+78.00	0.00	632.44	632.66
BF	415+88.00	0.00	632.36	632.58
BG	415+98.00	0.00	632.28	632.47
BH	416+08.00	0.00	632.20	632.37
BI	416+18.00	0.00	632.12	632.27
BJ	416+28.00	0.00	632.04	632.16
BK	416+38.00	0.00	631.96	632.05

CENTERLINE (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BL	416+48.00	0.00	631.88	631.95
BM	416+58.00	0.00	631.80	631.84
BN	416+68.00	0.00	631.72	631.75
BO	416+78.00	0.00	631.64	631.65
CL Pier 3	416+88.00	0.00	631.56	631.56
BP	416+98.00	0.00	631.48	631.50
BQ	417+08.00	0.00	631.40	631.43
BR	417+18.00	0.00	631.32	631.37
BS	417+28.00	0.00	631.24	631.32
BT	417+38.00	0.00	631.16	631.27
BU	417+48.00	0.00	631.08	631.22
BV	417+58.00	0.00	631.00	631.17
BW	417+68.00	0.00	630.92	631.11
BX	417+78.00	0.00	630.84	631.05
BY	417+88.00	0.00	630.76	630.99
BZ	417+98.00	0.00	630.68	630.92
CA	418+08.00	0.00	630.60	630.84
CB	418+18.00	0.00	630.52	630.75
CC	418+28.00	0.00	630.44	630.66
CD	418+38.00	0.00	630.36	630.55
CE	418+48.00	0.00	630.28	630.45
CF	418+58.00	0.00	630.20	630.33
CG	418+68.00	0.00	630.12	630.21
CH	418+78.00	0.00	630.04	630.08
CL S. Brg. Pier 4	418+86.67	0.00	629.98	629.98

P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	2.00	637.20	637.20
A	409+98.00	2.00	637.12	637.16
B	410+08.00	2.00	637.04	637.13
C	410+18.00	2.00	636.96	637.09
D	410+28.00	2.00	636.88	637.05
E	410+38.00	2.00	636.80	636.99
F	410+48.00	2.00	636.72	636.94
G	410+58.00	2.00	636.64	636.87
H	410+68.00	2.00	636.56	636.80
I	410+78.00	2.00	636.48	636.72
J	410+88.00	2.00	636.40	636.63
K	410+98.00	2.00	636.32	636.53
L	411+08.00	2.00	636.24	636.43
M	411+18.00	2.00	636.16	636.32
N	411+28.00	2.00	636.08	636.21
O	411+38.00	2.00	636.00	636.10
P	411+48.00	2.00	635.92	635.99
Q	411+58.00	2.00	635.84	635.89
R	411+68.00	2.00	635.76	635.78
S	411+78.00	2.00	635.68	635.69
CL Pier 1	411+88.00	2.00	635.60	635.60
T	411+98.00	2.00	635.52	635.53
U	412+08.00	2.00	635.44	635.46
V	412+18.00	2.00	635.36	635.39
W	412+28.00	2.00	635.28	635.34
X	412+38.00	2.00	635.20	635.29
Y	412+48.00	2.00	635.12	635.23
Z	412+58.00	2.00	635.04	635.18
AA	412+68.00	2.00	634.96	635.13
AB	412+78.00	2.00	634.88	635.07
AC	412+88.00	2.00	634.80	635.01
AD	412+98.00	2.00	634.72	634.93
AE	413+08.00	2.00	634.64	634.86

P.G.L. (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AF	413+18.00	2.00	634.56	634.78
AG	413+28.00	2.00	634.48	634.69
AH	413+38.00	2.00	634.40	634.60
AI	413+48.00	2.00	634.32	634.50
AJ	413+58.00	2.00	634.24	634.40
AK	413+68.00	2.00	634.16	634.30
AL	413+78.00	2.00	634.08	634.19
AM	413+88.00	2.00	634.00	634.08
AN	413+98.00	2.00	633.92	633.98
AO	414+08.00	2.00	633.84	633.87
AP	414+18.00	2.00	633.76	633.78
AQ	414+28.00	2.00	633.68	633.69
CL Pier 2	414+38.00	2.00	633.60	633.60
AR	414+48.00	2.00	633.52	633.53
AS	414+58.00	2.00	633.44	633.46
AT	414+68.00	2.00	633.36	633.39
AU	414+78.00	2.00	633.28	633.34
AV	414+88.00	2.00	633.20	633.28
AW	414+98.00	2.00	633.12	633.23
AX	415+08.00	2.00	633.04	633.18
AY	415+18.00	2.00	632.96	633.12
AZ	415+28.00	2.00	632.88	633.06
BA	415+38.00	2.00	632.80	633.00
BB	415+48.00	2.00	632.72	632.93
BC	415+58.00	2.00	632.64	632.86
BD	415+68.00	2.00	632.56	632.78
BE	415+78.00	2.00	632.48	632.69
BF	415+88.00	2.00	632.40	632.61
BG	415+98.00	2.00	632.32	632.51
BH	416+08.00	2.00	632.24	632.41
BI	416+18.00	2.00	632.16	632.30
BJ	416+28.00	2.00	632.08	632.19
BK	416+38.00	2.00	632.00	632.09

P.G.L. (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BL	416+48.00	2.00	631.92	631.98
BM	416+58.00	2.00	631.84	631.87
BN	416+68.00	2.00	631.76	631.78
BO	416+78.00	2.00	631.68	631.69
CL Pier 3	416+88.00	2.00	631.60	631.60
BP	416+98.00	2.00	631.52	631.53
BQ	417+08.00	2.00	631.44	631.46
BR	417+18.00	2.00	631.36	631.40
BS	417+28.00	2.00	631.28	631.35
BT	417+38.00	2.00	631.20	631.28
BU	417+48.00	2.00	631.12	631.25
BV	417+58.00	2.00	631.04	631.20
BW	417+68.00	2.00	630.96	631.15
BX	417+78.00	2.00	630.88	631.08
BY	417+88.00	2.00	630.80	631.02
BZ	417+98.00	2.00	630.72	630.95
CA	418+08.00	2.00	630.64	630.87
CB	418+18.00	2.00	630.56	630.78
CC	418+28.00	2.00	630.48	630.69
CD	418+38.00	2.00	630.40	630.58
CE	418+48.00	2.00	630.32	630.48
CF	418+58.00	2.00	630.24	630.36
CG	418+68.00	2.00	630.16	630.24
CH	418+78.00	2.00	630.08	630.12
CL S. Brg. Pier 4	418+86.67	2.00	630.01	630.01

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HRGreen.com
 Professional Design Firm
 #184-001322

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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
 SN: 047-3175

SHEET NO. S-8 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	180
CONTRACT NO.			87731	
ILLINOIS FED. AID PROJECT				

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	2.21	637.19	637.19
A	409+98.00	2.21	637.11	637.16
B	410+08.00	2.21	637.03	637.13
C	410+18.00	2.21	636.95	637.09
D	410+28.00	2.21	636.87	637.04
E	410+38.00	2.21	636.79	636.99
F	410+48.00	2.21	636.71	636.94
G	410+58.00	2.21	636.63	636.87
H	410+68.00	2.21	636.55	636.80
I	410+78.00	2.21	636.47	636.71
J	410+88.00	2.21	636.39	636.63
K	410+98.00	2.21	636.31	636.53
L	411+08.00	2.21	636.23	636.43
M	411+18.00	2.21	636.15	636.32
N	411+28.00	2.21	636.07	636.21
O	411+38.00	2.21	635.99	636.10
P	411+48.00	2.21	635.91	635.99
Q	411+58.00	2.21	635.83	635.88
R	411+68.00	2.21	635.75	635.78
S	411+78.00	2.21	635.67	635.68
CL Pier 1	411+88.00	2.21	635.59	635.59
T	411+98.00	2.21	635.51	635.52
U	412+08.00	2.21	635.43	635.45
V	412+18.00	2.21	635.35	635.39
W	412+28.00	2.21	635.27	635.34
X	412+38.00	2.21	635.19	635.28
Y	412+48.00	2.21	635.11	635.23
Z	412+58.00	2.21	635.03	635.18
AA	412+68.00	2.21	634.95	635.12
AB	412+78.00	2.21	634.87	635.06
AC	412+88.00	2.21	634.79	635.00
AD	412+98.00	2.21	634.71	634.93
AE	413+08.00	2.21	634.63	634.86

BEAM 4 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AF	413+18.00	2.21	634.55	634.78
AG	413+28.00	2.21	634.47	634.69
AH	413+38.00	2.21	634.39	634.60
AI	413+48.00	2.21	634.31	634.50
AJ	413+58.00	2.21	634.23	634.40
AK	413+68.00	2.21	634.15	634.29
AL	413+78.00	2.21	634.07	634.19
AM	413+88.00	2.21	633.99	634.08
AN	413+98.00	2.21	633.91	633.97
AO	414+08.00	2.21	633.83	633.87
AP	414+18.00	2.21	633.75	633.77
AQ	414+28.00	2.21	633.67	633.68
CL Pier 2	414+38.00	2.21	633.59	633.59
AR	414+48.00	2.21	633.51	633.52
AS	414+58.00	2.21	633.43	633.45
AT	414+68.00	2.21	633.35	633.39
AU	414+78.00	2.21	633.27	633.34
AV	414+88.00	2.21	633.19	633.28
AW	414+98.00	2.21	633.11	633.23
AX	415+08.00	2.21	633.03	633.17
AY	415+18.00	2.21	632.95	633.12
AZ	415+28.00	2.21	632.87	633.06
BA	415+38.00	2.21	632.79	633.00
BB	415+48.00	2.21	632.71	632.93
BC	415+58.00	2.21	632.63	632.86
BD	415+68.00	2.21	632.55	632.78
BE	415+78.00	2.21	632.47	632.69
BF	415+88.00	2.21	632.39	632.60
BG	415+98.00	2.21	632.31	632.50
BH	416+08.00	2.21	632.23	632.40
BI	416+18.00	2.21	632.15	632.30
BJ	416+28.00	2.21	632.07	632.19
BK	416+38.00	2.21	631.99	632.08

BEAM 4 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BL	416+48.00	2.21	631.91	631.98
BM	416+58.00	2.21	631.83	631.87
BN	416+68.00	2.21	631.75	631.77
BO	416+78.00	2.21	631.67	631.68
CL Pier 3	416+88.00	2.21	631.59	631.59
BP	416+98.00	2.21	631.51	631.52
BQ	417+08.00	2.21	631.43	631.46
BR	417+18.00	2.21	631.35	631.40
BS	417+28.00	2.21	631.27	631.35
BT	417+38.00	2.21	631.19	631.30
BU	417+48.00	2.21	631.11	631.25
BV	417+58.00	2.21	631.03	631.20
BW	417+68.00	2.21	630.95	631.14
BX	417+78.00	2.21	630.87	631.08
BY	417+88.00	2.21	630.79	631.02
BZ	417+98.00	2.21	630.71	630.94
CA	418+08.00	2.21	630.63	630.87
CB	418+18.00	2.21	630.55	630.78
CC	418+28.00	2.21	630.47	630.69
CD	418+38.00	2.21	630.39	630.58
CE	418+48.00	2.21	630.31	630.47
CF	418+58.00	2.21	630.23	630.36
CG	418+68.00	2.21	630.15	630.24
CH	418+78.00	2.21	630.07	630.11
CL S. Brg. Pier 4	418+86.67	2.21	630.00	630.00

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	8.46	637.10	637.10
A	409+98.00	8.46	637.02	637.06
B	410+08.00	8.46	636.94	637.03
C	410+18.00	8.46	636.86	636.99
D	410+28.00	8.46	636.78	636.95
E	410+38.00	8.46	636.70	636.89
F	410+48.00	8.46	636.62	636.84
G	410+58.00	8.46	636.54	636.77
H	410+68.00	8.46	636.46	636.70
I	410+78.00	8.46	636.38	636.62
J	410+88.00	8.46	636.30	636.53
K	410+98.00	8.46	636.22	636.43
L	411+08.00	8.46	636.14	636.33
M	411+18.00	8.46	636.06	636.22
N	411+28.00	8.46	635.98	636.11
O	411+38.00	8.46	635.90	636.00
P	411+48.00	8.46	635.82	635.89
Q	411+58.00	8.46	635.74	635.79
R	411+68.00	8.46	635.66	635.68
S	411+78.00	8.46	635.58	635.59
CL Pier 1	411+88.00	8.46	635.50	635.50
T	411+98.00	8.46	635.42	635.43
U	412+08.00	8.46	635.34	635.36
V	412+18.00	8.46	635.26	635.29
W	412+28.00	8.46	635.18	635.24
X	412+38.00	8.46	635.10	635.18
Y	412+48.00	8.46	635.02	635.13
Z	412+58.00	8.46	634.94	635.08
AA	412+68.00	8.46	634.86	635.02
AB	412+78.00	8.46	634.78	634.96
AC	412+88.00	8.46	634.70	634.90
AD	412+98.00	8.46	634.62	634.83
AE	413+08.00	8.46	634.54	634.76

BEAM 5 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AF	413+18.00	8.46	634.46	634.68
AG	413+28.00	8.46	634.38	634.59
AH	413+38.00	8.46	634.30	634.50
AI	413+48.00	8.46	634.22	634.40
AJ	413+58.00	8.46	634.14	634.30
AK	413+68.00	8.46	634.06	634.20
AL	413+78.00	8.46	633.98	634.09
AM	413+88.00	8.46	633.90	633.98
AN	413+98.00	8.46	633.82	633.88
AO	414+08.00	8.46	633.74	633.77
AP	414+18.00	8.46	633.66	633.68
AQ	414+28.00	8.46	633.58	633.59
CL Pier 2	414+38.00	8.46	633.50	633.50
AR	414+48.00	8.46	633.42	633.43
AS	414+58.00	8.46	633.34	633.36
AT	414+68.00	8.46	633.26	633.29
AU	414+78.00	8.46	633.18	633.24
AV	414+88.00	8.46	633.10	633.18
AW	414+98.00	8.46	633.02	633.13
AX	415+08.00	8.46	632.94	633.08
AY	415+18.00	8.46	632.86	633.02
AZ	415+28.00	8.46	632.78	632.96
BA	415+38.00	8.46	632.70	632.90
BB	415+48.00	8.46	632.62	632.83
BC	415+58.00	8.46	632.54	632.76
BD	415+68.00	8.46	632.46	632.68
BE	415+78.00	8.46	632.38	632.59
BF	415+88.00	8.46	632.30	632.51
BG	415+98.00	8.46	632.22	632.41
BH	416+08.00	8.46	632.14	632.31
BI	416+18.00	8.46	632.06	632.20
BJ	416+28.00	8.46	631.98	632.09
BK	416+38.00	8.46	631.90	631.99

BEAM 5 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BL	416+48.00	8.46	631.82	631.88
BM	416+58.00	8.46	631.74	631.77
BN	416+68.00	8.46	631.66	631.68
BO	416+78.00	8.46	631.58	631.59
CL Pier 3	416+88.00	8.46	631.50	631.50
BP	416+98.00	8.46	631.42	631.43
BQ	417+08.00	8.46	631.34	631.36
BR	417+18.00	8.46	631.26	631.30
BS	417+28.00	8.46	631.18	631.25
BT	417+38.00	8.46	631.10	631.20
BU	417+48.00	8.46	631.02	631.15
BV	417+58.00	8.46	630.94	631.10
BW	417+68.00	8.46	630.86	631.05
BX	417+78.00	8.46	630.78	630.98
BY	417+88.00	8.46	630.70	630.92
BZ	417+98.00	8.46	630.62	630.85
CA	418+08.00	8.46	630.54	630.77
CB	418+18.00	8.46	630.46	630.68
CC	418+28.00	8.46	630.38	630.59
CD	418+38.00	8.46	630.30	630.48
CE	418+48.00	8.46	630.22	630.38
CF	418+58.00	8.46	630.14	630.26
CG	418+68.00	8.46	630.06	630.14
CH	418+78.00	8.46	629.98	630.01
CL S. Brg. Pier 4	418+86.67	8.46	629.91	629.91

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	HRGreen.com Professional Design Firm #184-001322	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	TOP OF SLAB ELEVATIONS - UNIT 1 SN: 047-3175	F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 4000 19-00153-00-BR KENDALL 485 181 CONTRACT NO. 87731
	SHEET NO. S-9 OF S-72 SHEETS	ILLINOIS FED. AID PROJECT

BEAM 6

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Brg. S. Abut. (A-AE) and CL Pier 1 (T-U).

BEAM 6 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 2 (AR-BK).

BEAM 6 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 3 (BP-CH) and CL S. Brg. Pier 4.

BEAM 7

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Brg. S. Abut. (A-AE) and CL Pier 1 (T-U).

BEAM 7 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 2 (AR-BK).

BEAM 7 (CONTINUED)

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL Pier 3 (BP-CH) and CL S. Brg. Pier 4.

HRG PROJECT NO.: 8870281
HRG PROJ. CONTACT: 3818 S. Tr. Tos06.dgn
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Table with 4 columns: USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE. Values include whoad, SLS, WJH, SLS, 9/3/2020.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
SN: 047-3175

SHEET NO. S-10 OF S-72 SHEETS

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values include 4000, 19-00153-00-BR, KENDALL, 485, 182.

CONTRACT NO. 87731

ILLINOIS FED. AID PROJECT


BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Brg. S. Abut.	409+88.00	27.21	636.73	636.73
A	409+98.00	27.21	636.65	636.70
B	410+08.00	27.21	636.57	636.67
C	410+18.00	27.21	636.49	636.63
D	410+28.00	27.21	636.41	636.58
E	410+38.00	27.21	636.33	636.53
F	410+48.00	27.21	636.25	636.48
G	410+58.00	27.21	636.17	636.41
H	410+68.00	27.21	636.09	636.34
I	410+78.00	27.21	636.01	636.26
J	410+88.00	27.21	635.93	636.17
K	410+98.00	27.21	635.85	636.07
L	411+08.00	27.21	635.77	635.97
M	411+18.00	27.21	635.69	635.86
N	411+28.00	27.21	635.61	635.75
O	411+38.00	27.21	635.53	635.64
P	411+48.00	27.21	635.45	635.53
Q	411+58.00	27.21	635.37	635.42
R	411+68.00	27.21	635.29	635.32
S	411+78.00	27.21	635.21	635.23
CL Pier 1	411+88.00	27.21	635.13	635.13
T	411+98.00	27.21	635.05	635.06
U	412+08.00	27.21	634.97	634.99
V	412+18.00	27.21	634.89	634.93
W	412+28.00	27.21	634.81	634.88
X	412+38.00	27.21	634.73	634.82
Y	412+48.00	27.21	634.65	634.77
Z	412+58.00	27.21	634.57	634.72
AA	412+68.00	27.21	634.49	634.66
AB	412+78.00	27.21	634.41	634.60
AC	412+88.00	27.21	634.33	634.54
AD	412+98.00	27.21	634.25	634.47
AE	413+08.00	27.21	634.17	634.40
AF	413+18.00	27.21	634.09	634.32
AG	413+28.00	27.21	634.01	634.23
AH	413+38.00	27.21	633.93	634.14
AI	413+48.00	27.21	633.85	634.04
AJ	413+58.00	27.21	633.77	633.94
AK	413+68.00	27.21	633.69	633.83
AL	413+78.00	27.21	633.61	633.73
AM	413+88.00	27.21	633.53	633.62
AN	413+98.00	27.21	633.45	633.51
AO	414+08.00	27.21	633.37	633.41
AP	414+18.00	27.21	633.29	633.31
AQ	414+28.00	27.21	633.21	633.22

BEAM 8 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL Pier 2	414+38.00	27.21	633.13	633.13
AR	414+48.00	27.21	633.05	633.06
AS	414+58.00	27.21	632.97	632.99
AT	414+68.00	27.21	632.89	632.93
AU	414+78.00	27.21	632.81	632.88
AV	414+88.00	27.21	632.73	632.82
AW	414+98.00	27.21	632.65	632.77
AX	415+08.00	27.21	632.57	632.71
AY	415+18.00	27.21	632.49	632.66
AZ	415+28.00	27.21	632.41	632.60
BA	415+38.00	27.21	632.33	632.54
BB	415+48.00	27.21	632.25	632.47
BC	415+58.00	27.21	632.17	632.40
BD	415+68.00	27.21	632.09	632.32
BE	415+78.00	27.21	632.01	632.23
BF	415+88.00	27.21	631.93	632.14
BG	415+98.00	27.21	631.85	632.04
BH	416+08.00	27.21	631.77	631.94
BI	416+18.00	27.21	631.69	631.84
BJ	416+28.00	27.21	631.61	631.73
BK	416+38.00	27.21	631.53	631.62
BL	416+48.00	27.21	631.45	631.52
BM	416+58.00	27.21	631.37	631.41
BN	416+68.00	27.21	631.29	631.31
BO	416+78.00	27.21	631.21	631.22
CL Pier 3	416+88.00	27.21	631.13	631.13
BP	416+98.00	27.21	631.05	631.06
BQ	417+08.00	27.21	630.97	631.00
BR	417+18.00	27.21	630.89	630.94
BS	417+28.00	27.21	630.81	630.89
BT	417+38.00	27.21	630.73	630.84
BU	417+48.00	27.21	630.65	630.79
BV	417+58.00	27.21	630.57	630.74
BW	417+68.00	27.21	630.49	630.68
BX	417+78.00	27.21	630.41	630.62
BY	417+88.00	27.21	630.33	630.56
BZ	417+98.00	27.21	630.25	630.48
CA	418+08.00	27.21	630.17	630.41
CB	418+18.00	27.21	630.09	630.32
CC	418+28.00	27.21	630.01	630.23
CD	418+38.00	27.21	629.93	630.12
CE	418+48.00	27.21	629.85	630.01
CF	418+58.00	27.21	629.77	629.90
CG	418+68.00	27.21	629.69	629.78
CH	418+78.00	27.21	629.61	629.65
CL S. Brg. Pier 4	418+86.67	27.21	629.54	629.54

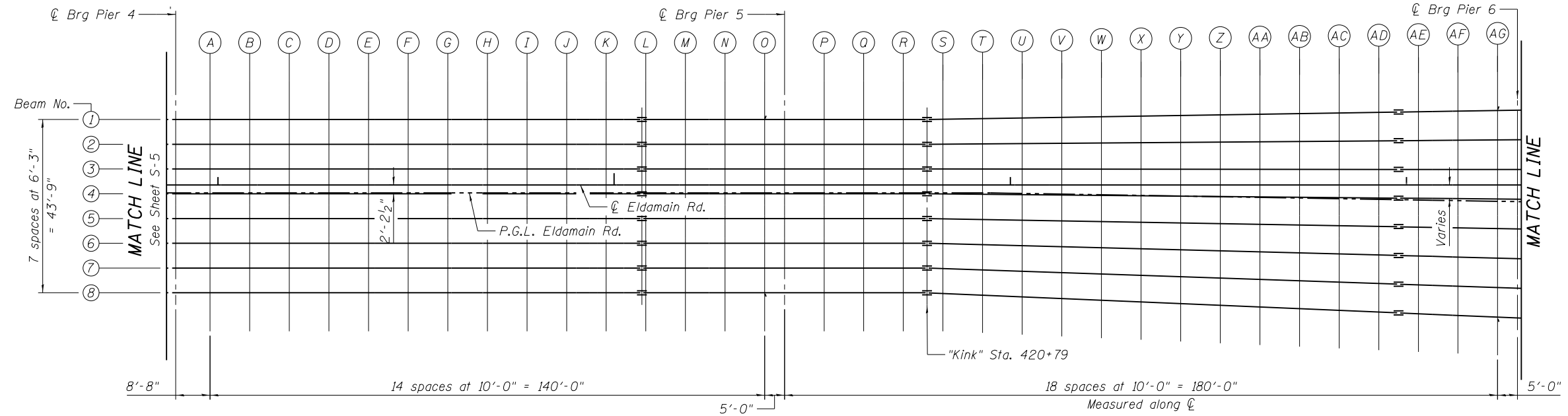
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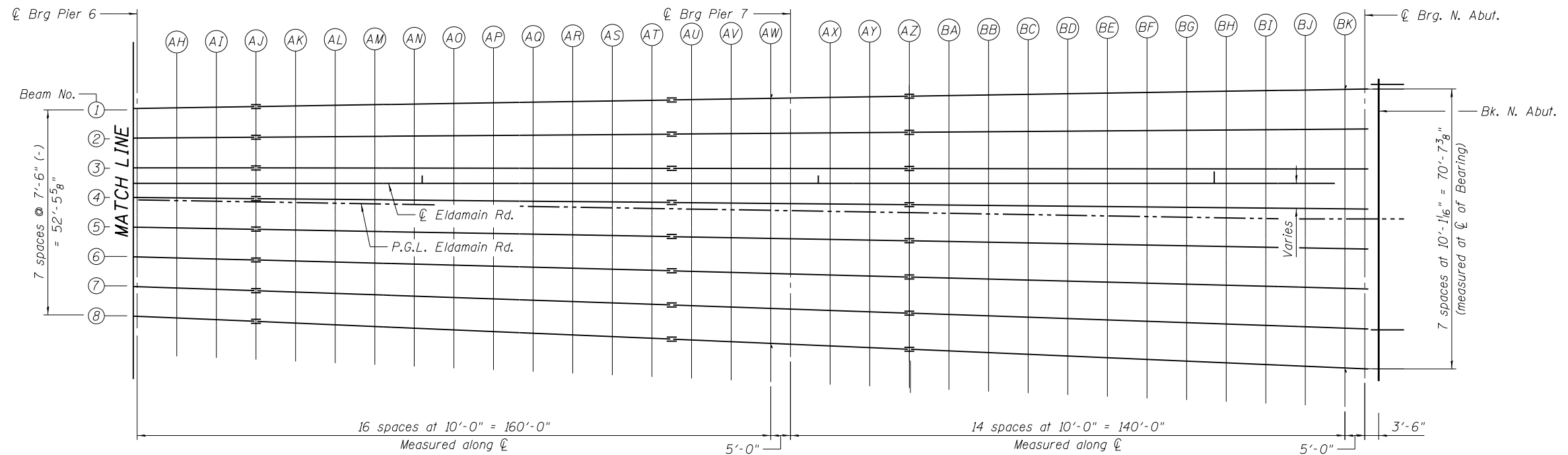
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 1
SN: 047-3175
 SHEET NO. S-11 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	183
CONTRACT NO.			87731	
ILLINOIS FED. AID PROJECT				



PLAN - UNIT 2



PLAN - UNIT 2

HRG PROJECT NO.: 881028
 HRG PROJ. CONTACT: 3918 S. Tr. Tos08.dgn
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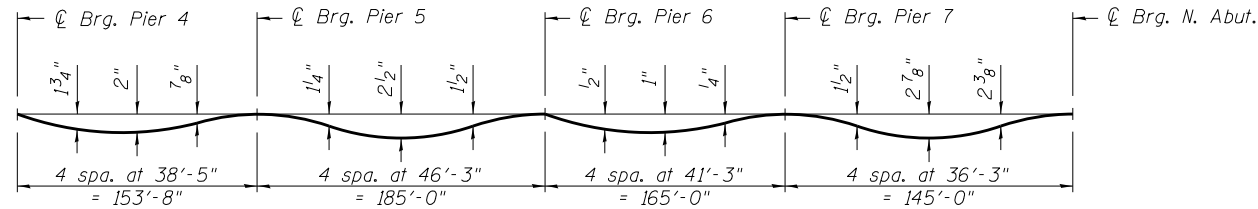
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 2
 SN: 047-3175

SHEET NO. S-12 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	184
CONTRACT NO. 87731				

ILLINOIS FED. AID PROJECT

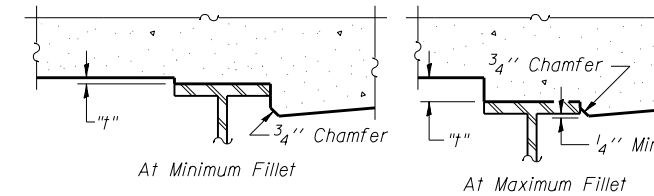


DEAD LOAD DEFLECTION DIAGRAM - UNIT 2

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Brg. Pier 4	418+89.33	-16.54	629.68	629.68
A	418+98.00	-16.54	629.61	629.65
B	419+08.00	-16.54	629.53	629.61
C	419+18.00	-16.54	629.45	629.57
D	419+28.00	-16.54	629.37	629.52
E	419+38.00	-16.54	629.29	629.46
F	419+48.00	-16.54	629.21	629.39
G	419+58.00	-16.54	629.13	629.30
H	419+68.00	-16.54	629.05	629.22
I	419+78.00	-16.54	628.97	629.12
J	419+88.00	-16.54	628.89	629.01
K	419+98.00	-16.54	628.81	628.90
L	420+08.00	-16.54	628.73	628.79
M	420+18.00	-16.54	628.65	628.69
N	420+28.00	-16.54	628.57	628.59
O	420+38.00	-16.54	628.49	628.50
CL Pier 5	420+43.00	-16.54	628.45	628.45
P	420+53.00	-16.54	628.37	628.39
Q	420+63.00	-16.54	628.29	628.32
R	420+73.00	-16.54	628.21	628.27
S	420+83.00	-16.61	628.13	628.22
T	420+93.00	-16.76	628.05	628.17
U	421+03.00	-16.92	627.96	628.11
V	421+13.00	-17.08	627.88	628.05
W	421+23.00	-17.24	627.79	627.98
X	421+33.00	-17.40	627.71	627.91
Y	421+43.00	-17.56	627.62	627.82
Z	421+53.00	-17.71	627.54	627.73
AA	421+63.00	-17.87	627.45	627.63
AB	421+73.00	-18.03	627.37	627.52
AC	421+83.00	-18.19	627.28	627.40
AD	421+93.00	-18.35	627.20	627.28
AE	422+03.00	-18.51	627.11	627.17
AF	422+13.00	-18.67	627.03	627.06
AG	422+23.00	-18.82	626.94	626.95
CL Pier 6	422+28.00	-18.90	626.90	626.90
AH	422+38.00	-19.06	626.82	626.82
AI	422+48.00	-19.22	626.73	626.74
AJ	422+58.00	-19.38	626.65	626.66
AK	422+68.00	-19.54	626.56	626.59
AL	422+78.00	-19.70	626.48	626.53
AM	422+88.00	-19.85	626.39	626.45
AN	422+98.00	-20.01	626.31	626.38
AO	423+08.00	-20.17	626.22	626.30
AP	423+18.00	-20.33	626.14	626.21

BEAM 1 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AQ	423+28.00	-20.49	626.05	626.11
AR	423+38.00	-20.65	625.97	626.01
AS	423+48.00	-20.81	625.88	625.91
AT	423+58.00	-20.96	625.80	625.81
AU	423+68.00	-21.12	625.71	625.71
AV	423+78.00	-21.28	625.63	625.62
AW	423+88.00	-21.44	625.54	625.54
CL Pier 7	423+93.00	-21.52	625.50	625.50
AX	424+03.00	-21.68	625.41	625.44
AY	424+13.00	-21.84	625.33	625.39
AZ	424+23.00	-21.99	625.24	625.34
BA	424+33.00	-22.15	625.16	625.30
BB	424+43.00	-22.31	625.07	625.26
BC	424+53.00	-22.47	624.99	625.21
BD	424+63.00	-22.63	624.90	625.15
BE	424+73.00	-22.79	624.82	625.07
BF	424+83.00	-22.95	624.73	624.98
BG	424+93.00	-23.10	624.65	624.88
BH	425+03.00	-23.26	624.56	624.76
BI	425+13.00	-23.42	624.48	624.63
BJ	425+23.00	-23.58	624.39	624.49
BK	425+33.00	-23.74	624.31	624.34
CL Brg. N. Abut.	425+38.00	-23.82	624.27	624.27

HRC PROJECT NO.: 8810281
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PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS - UNIT 2
SN: 047-3175**

SHEET NO. S-13 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	185
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Brg. Pier 4	418+89.33	-10.29	629.79	629.79
A	418+98.00	-10.29	629.72	629.76
B	419+08.00	-10.29	629.64	629.73
C	419+18.00	-10.29	629.56	629.68
D	419+28.00	-10.29	629.48	629.63
E	419+38.00	-10.29	629.40	629.57
F	419+48.00	-10.29	629.32	629.50
G	419+58.00	-10.29	629.24	629.42
H	419+68.00	-10.29	629.16	629.33
I	419+78.00	-10.29	629.08	629.23
J	419+88.00	-10.29	629.00	629.12
K	419+98.00	-10.29	628.92	629.01
L	420+08.00	-10.29	628.84	628.90
M	420+18.00	-10.29	628.76	628.80
N	420+28.00	-10.29	628.68	628.70
O	420+38.00	-10.29	628.60	628.61
CL Pier 5	420+43.00	-10.29	628.56	628.56
P	420+53.00	-10.29	628.48	628.50
Q	420+63.00	-10.29	628.40	628.43
R	420+73.00	-10.29	628.32	628.38
S	420+83.00	-10.32	628.24	628.33
T	420+93.00	-10.40	628.16	628.28
U	421+03.00	-10.47	628.08	628.22
V	421+13.00	-10.55	628.00	628.17
W	421+23.00	-10.62	627.91	628.10
X	421+33.00	-10.70	627.83	628.03
Y	421+43.00	-10.77	627.74	627.94
Z	421+53.00	-10.85	627.66	627.85
AA	421+63.00	-10.92	627.58	627.75
AB	421+73.00	-11.00	627.49	627.64
AC	421+83.00	-11.07	627.41	627.53
AD	421+93.00	-11.15	627.33	627.41
AE	422+03.00	-11.22	627.24	627.30
AF	422+13.00	-11.30	627.16	627.19
AG	422+23.00	-11.37	627.07	627.08
CL Pier 6	422+28.00	-11.41	627.03	627.03
AH	422+38.00	-11.48	626.95	626.95
AI	422+48.00	-11.56	626.86	626.87
AJ	422+58.00	-11.63	626.78	626.80
AK	422+68.00	-11.71	626.70	626.73
AL	422+78.00	-11.78	626.61	626.66
AM	422+88.00	-11.86	626.53	626.59
AN	422+98.00	-11.93	626.45	626.52
AO	423+08.00	-12.01	626.36	626.44
AP	423+18.00	-12.08	626.28	626.35
AQ	423+28.00	-12.16	626.19	626.25
AR	423+38.00	-12.23	626.11	626.16
AS	423+48.00	-12.31	626.03	626.05
AT	423+58.00	-12.38	625.94	625.94
AU	423+68.00	-12.46	625.86	625.86
AV	423+78.00	-12.53	625.78	625.77
AW	423+88.00	-12.61	625.69	625.69
CL Pier 7	423+93.00	-12.64	625.65	625.65
AX	424+03.00	-12.72	625.57	625.59
AY	424+13.00	-12.79	625.48	625.54
AZ	424+23.00	-12.87	625.40	625.50
BA	424+33.00	-12.94	625.32	625.46
BB	424+43.00	-13.02	625.23	625.42
BC	424+53.00	-13.09	625.15	625.37
BD	424+63.00	-13.17	625.06	625.31
BE	424+73.00	-13.24	624.98	625.23
BF	424+83.00	-13.32	624.90	625.15
BG	424+93.00	-13.39	624.81	625.05
BH	425+03.00	-13.47	624.73	624.93
BI	425+13.00	-13.54	624.65	624.80
BJ	425+23.00	-13.62	624.56	624.66
BK	425+33.00	-13.69	624.48	624.51
CL Brg. N. Abut.	425+38.00	-13.73	624.44	624.44

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Brg. Pier 4	418+89.33	-4.04	629.89	629.89
A	418+98.00	-4.04	629.82	629.86
B	419+08.00	-4.04	629.74	629.82
C	419+18.00	-4.04	629.66	629.78
D	419+28.00	-4.04	629.58	629.73
E	419+38.00	-4.04	629.50	629.67
F	419+48.00	-4.04	629.42	629.60
G	419+58.00	-4.04	629.34	629.51
H	419+68.00	-4.04	629.26	629.42
I	419+78.00	-4.04	629.18	629.32
J	419+88.00	-4.04	629.10	629.22
K	419+98.00	-4.04	629.02	629.11
L	420+08.00	-4.04	628.94	629.00
M	420+18.00	-4.04	628.86	628.90
N	420+28.00	-4.04	628.78	628.79
O	420+38.00	-4.04	628.70	628.71
CL Pier 5	420+43.00	-4.04	628.66	628.66
P	420+53.00	-4.04	628.58	628.59
Q	420+63.00	-4.04	628.50	628.53
R	420+73.00	-4.04	628.42	628.48
S	420+83.00	-4.04	628.34	628.43
T	420+93.00	-4.03	628.26	628.38
U	421+03.00	-4.02	628.18	628.33
V	421+13.00	-4.01	628.10	628.27
W	421+23.00	-4.00	628.01	628.21
X	421+33.00	-3.99	627.93	628.14
Y	421+43.00	-3.99	627.85	628.05
Z	421+53.00	-3.98	627.77	627.96
AA	421+63.00	-3.97	627.69	627.86
AB	421+73.00	-3.96	627.60	627.75
AC	421+83.00	-3.95	627.52	627.64
AD	421+93.00	-3.94	627.44	627.52
AE	422+03.00	-3.93	627.36	627.41
AF	422+13.00	-3.93	627.27	627.30
AG	422+23.00	-3.92	627.19	627.20
CL Pier 6	422+28.00	-3.91	627.15	627.15
AH	422+38.00	-3.90	627.07	627.07
AI	422+48.00	-3.89	626.98	626.99
AJ	422+58.00	-3.89	626.90	626.92
AK	422+68.00	-3.88	626.82	626.85
AL	422+78.00	-3.87	626.74	626.79
AM	422+88.00	-3.86	626.65	626.72
AN	422+98.00	-3.85	626.57	626.64
AO	423+08.00	-3.84	626.49	626.56
AP	423+18.00	-3.83	626.41	626.48
AQ	423+28.00	-3.83	626.33	626.39
AR	423+38.00	-3.82	626.24	626.29
AS	423+48.00	-3.81	626.16	626.19
AT	423+58.00	-3.80	626.08	626.09
AU	423+68.00	-3.79	626.00	625.99
AV	423+78.00	-3.78	625.91	625.90
AW	423+88.00	-3.77	625.83	625.83
CL Pier 7	423+93.00	-3.77	625.79	625.79
AX	424+03.00	-3.76	625.71	625.73
AY	424+13.00	-3.75	625.62	625.68
AZ	424+23.00	-3.74	625.54	625.64
BA	424+33.00	-3.73	625.46	625.60
BB	424+43.00	-3.73	625.38	625.56
BC	424+53.00	-3.72	625.29	625.51
BD	424+63.00	-3.71	625.21	625.46
BE	424+73.00	-3.70	625.13	625.38
BF	424+83.00	-3.69	625.05	625.30
BG	424+93.00	-3.68	624.96	625.20
BH	425+03.00	-3.67	624.88	625.08
BI	425+13.00	-3.66	624.80	624.95
BJ	425+23.00	-3.66	624.72	624.82
BK	425+33.00	-3.65	624.64	624.67
CL Brg. N. Abut.	425+38.00	-3.64	624.60	624.60

CENTERLINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Brg. Pier 4	418+89.33	0.00	629.95	629.95
A	418+98.00	0.00	629.88	629.92
B	419+08.00	0.00	629.80	629.89
C	419+18.00	0.00	629.72	629.84
D	419+28.00	0.00	629.64	629.79
E	419+38.00	0.00	629.56	629.73
F	419+48.00	0.00	629.48	629.66
G	419+58.00	0.00	629.40	629.58
H	419+68.00	0.00	629.32	629.49
I	419+78.00	0.00	629.24	629.39
J	419+88.00	0.00	629.16	629.28
K	419+98.00	0.00	629.08	629.17
L	420+08.00	0.00	629.00	629.07
M	420+18.00	0.00	628.92	628.96
N	420+28.00	0.00	628.84	628.86
O	420+38.00	0.00	628.76	628.77
CL Pier 5	420+43.00	0.00	628.72	628.72
P	420+53.00	0.00	628.64	628.66
Q	420+63.00	0.00	628.56	628.59
R	420+73.00	0.00	628.48	628.54
S	420+83.00	0.00	628.40	628.49
T	420+93.00	0.00	628.32	628.44
U	421+03.00	0.00	628.24	628.39
V	421+13.00	0.00	628.16	628.33
W	421+23.00	0.00	628.08	628.27
X	421+33.00	0.00	627.99	628.20
Y	421+43.00	0.00	627.91	628.11
Z	421+53.00	0.00	627.83	628.02
AA	421+63.00	0.00	627.75	627.92
AB	421+73.00	0.00	627.66	627.81
AC	421+83.00	0.00	627.58	627.70
AD	421+93.00	0.00	627.50	627.58
AE	422+03.00	0.00	627.42	627.47
AF	422+13.00	0.00	627.33	627.36
AG	422+23.00	0.00	627.25	627.26
CL Pier 6	422+28.00	0.00	627.21	627.21
AH	422+38.00	0.00	627.13	627.13
AI	422+48.00	0.00	627.05	627.05
AJ	422+58.00	0.00	626.96	626.98
AK	422+68.00	0.00	626.88	626.91
AL	422+78.00	0.00	626.80	626.85
AM	422+88.00	0.00	626.72	626.78
AN	422+98.00	0.00	626.63	626.70
AO	423+08.00	0.00	626.55	626.62
AP	423+18.00	0.00	626.47	626.54
AQ	423+28.00	0.00	626.38	626.44
AR	423+38.00	0.00	626.30	626.35
AS	423+48.00	0.00	626.22	626.25
AT	423+58.00	0.00	626.14	626.15
AU	423+68.00	0.00	626.05	626.05
AV	423+78.00	0.00	625.97	625.96
AW	423+88.00	0.00	625.89	625.89
CL Pier 7	423+93.00	0.00	625.85	625.85
AX	424+03.00	0.00	625.77	625.79
AY	424+13.00	0.00	625.68	625.74
AZ	424+23.00	0.00	625.60	625.70
BA	424+33.00	0.00	625.52	625.66
BB	424+43.00	0.00	625.44	625.62
BC	424+53.00	0.00	625.35	625.57
BD	424+63.00	0.00	625.27	625.51
BE	424+73.00	0.00	625.19	625.44
BF	424+83.00	0.00	625.10	625.36
BG	424+93.00	0.00	625.02	625.26
BH	425+03.00	0.00	624.94	625.14
BI	425+13.00	0.00	624.86	625.01
BJ	425+23.00	0.00	624.78	624.87
BK	425+33.00	0.00	624.70	624.73
CL Brg. N. Abut.	425+38.00	0.00	624.66	624.66

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 HRG PROJ. CONTACT: 3818 S. Tr. Tol02.dgn
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HRGreen.com
 Professional Design Firm
 #184-001322

USER NAME : whood	DESIGNED - SLS	REVISED -
PLOT SCALE :	DRAWN - WJH	REVISED -
PLOT DATE : 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

STATE

P.G.L.

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4, CL Pier 5, CL Pier 6, CL Pier 7, and CL Brg. N. Abut.

BEAM 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4, CL Pier 5, CL Pier 6, CL Pier 7, and CL Brg. N. Abut.

BEAM 5

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4, CL Pier 5, CL Pier 6, CL Pier 7, and CL Brg. N. Abut.

HRG PROJECT NO.: 8810281
HRG PROJ CONTACT: 3818 S. Trask
FILE NAME: ILL.pdf.dwg
PLOT DRIVER: ilcpltdrvr
PEN TABLE: p10-table.tbl



HRGreen.com
Professional Design Firm
#184-001322

Table with 4 columns: USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE. Values include whood, SLS, WJH, SLS, 9/3/2020.

Table with 4 columns: REVISED, REVISIONS. Values include SLS, WJH, SLS, 8/7/2020.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 2
SN: 047-3175

SHEET NO. S-15 OF S-72 SHEETS

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values include 4000, 19-00153-00-BR, KENDALL, 485, 187.

CONTRACT NO. 87731

ILLINOIS FED. AID PROJECT

BEAM 6

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4 (A-Z), CL Pier 5 (P-Z), CL Pier 6 (AH-AW), and CL Pier 7 (AX-BK), ending with CL Brg. N. Abut.

BEAM 7

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4 (A-Z), CL Pier 5 (P-Z), CL Pier 6 (AH-AW), and CL Pier 7 (AX-BK), ending with CL Brg. N. Abut.

BEAM 8

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CL N. Brg. Pier 4 (A-Z), CL Pier 5 (P-Z), CL Pier 6 (AH-AW), and CL Pier 7 (AX-BK), ending with CL Brg. N. Abut.

HRG PROJECT NO.: 881028B
HRG PROJ. CONTACT: 3818 S. Tr. Tol2.dgn
FILE NAME: IL.pdf, bw.dwg
PLOT DRIVER: ilcpltdrvr
PEN TABLE: plc-table.tbl



HRGreen.com
Professional Design Firm
#184-001322

Table with 4 columns: USER NAME, DESIGNED, DRAWN, PLOT SCALE, PLOT DATE. Values include whood, SLS, WJH, SLS, 9/3/2020.

Table with 4 columns: REVISED, REVISIONS, CHECKED, DATE. Values include SLS, WJH, SLS, 8/7/2020.

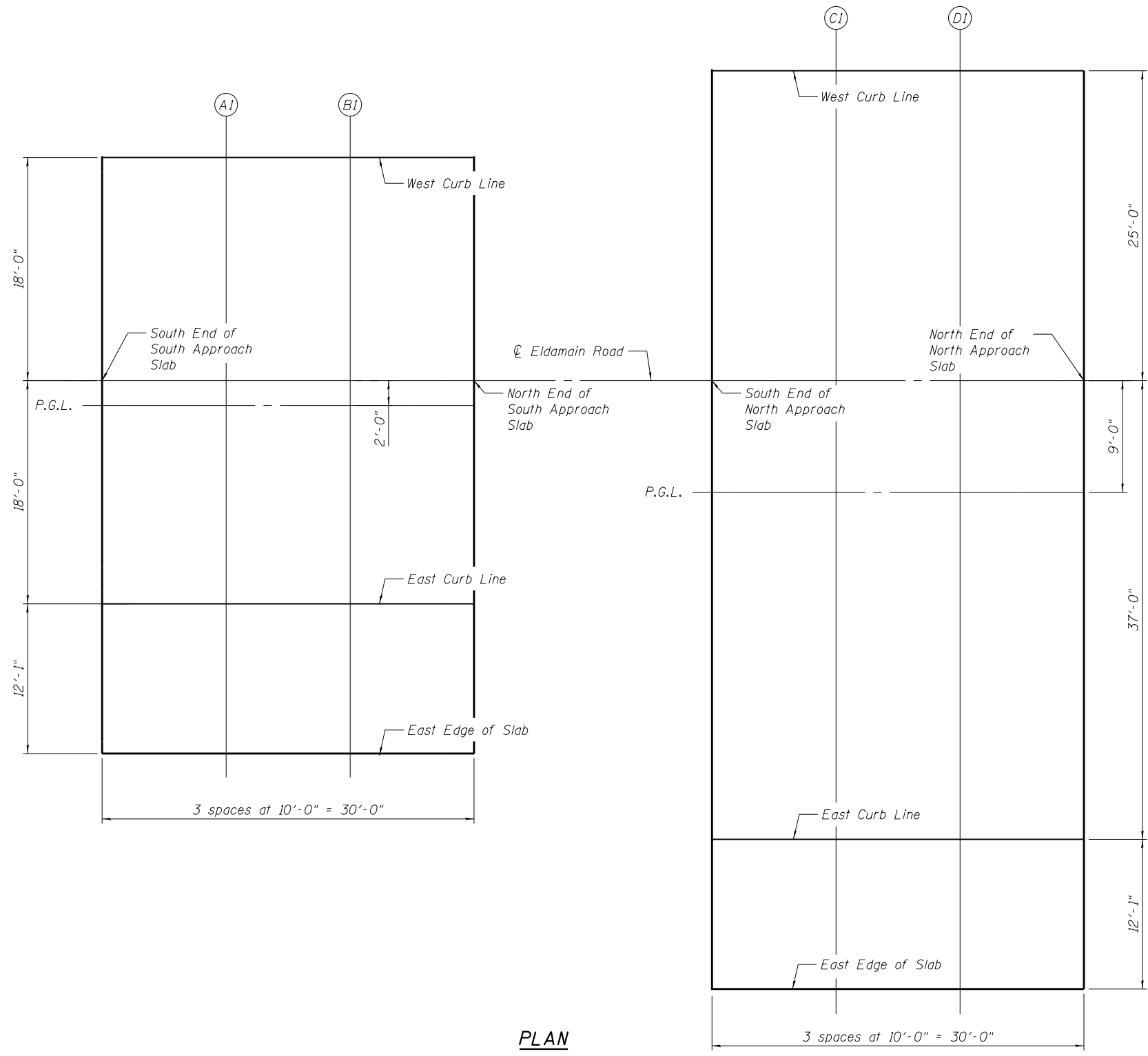
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - UNIT 2
SN: 047-3175

SHEET NO. S-16 OF S-72 SHEETS

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Values include 4000, 19-00153-00-BR, KENDALL, 485, 188, 87731.

ILLINOIS FED. AID PROJECT



WEST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
South End of South Approach Slab	409+55.00	-18.00	637.15
A1	409+65.00	-18.00	637.06
B1	409+75.00	-18.00	636.97
North End of South Approach Slab	409+85.00	-18.00	636.89
South End of North Approach Slab	425+41.00	-25.00	624.22
C1	425+51.00	-25.00	624.12
D1	425+61.00	-25.00	624.02
North End of North Approach Slab	425+71.00	-25.00	623.92

PROPOSED GRADE LINE & CROWN

Location	Station	Offset	Theoretical Grade Elevations
South End of South Approach Slab	409+55.00	2.00	637.46
A1	409+65.00	2.00	637.38
B1	409+75.00	2.00	637.30
North End of South Approach Slab	409+85.00	2.00	637.22
South End of North Approach Slab	425+41.00	9.00	624.77
C1	425+51.00	9.00	624.69
D1	425+61.00	9.00	624.61
North End of North Approach Slab	425+71.00	9.00	624.53

CENTERLINE ROADWAY

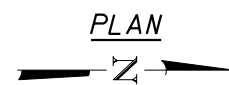
Location	Station	Offset	Theoretical Grade Elevations
South End of South Approach Slab	409+55.00	0.00	637.43
A1	409+65.00	0.00	637.35
B1	409+75.00	0.00	637.27
North End of South Approach Slab	409+85.00	0.00	637.19
South End of North Approach Slab	425+41.00	0.00	624.63
C1	425+51.00	0.00	624.55
D1	425+61.00	0.00	624.47
North End of North Approach Slab	425+71.00	0.00	624.39

EAST CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
South End of South Approach Slab	409+55.00	18.00	637.19
A1	409+65.00	18.00	637.11
B1	409+75.00	18.00	637.03
North End of South Approach Slab	409+85.00	18.00	636.95
South End of North Approach Slab	425+41.00	37.00	624.25
C1	425+51.00	37.00	624.17
D1	425+61.00	37.00	624.09
North End of North Approach Slab	425+71.00	37.00	624.01

EAST EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
South End of South Approach Slab	409+55.00	30.25	636.96
A1	409+65.00	30.25	636.88
B1	409+75.00	30.25	636.80
North End of South Approach Slab	409+85.00	30.25	636.72
South End of North Approach Slab	425+41.00	49.25	624.02
C1	425+51.00	49.25	623.94
D1	425+61.00	49.25	623.86
North End of North Approach Slab	425+71.00	49.25	623.78



HRG PROJECT NO.: 8810281
 HRG PROJ CONTACT: 3918 S. Taylor
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 PLOT DRIVER: il.pdf.dwg
 PEN TABLE: plot.tbl



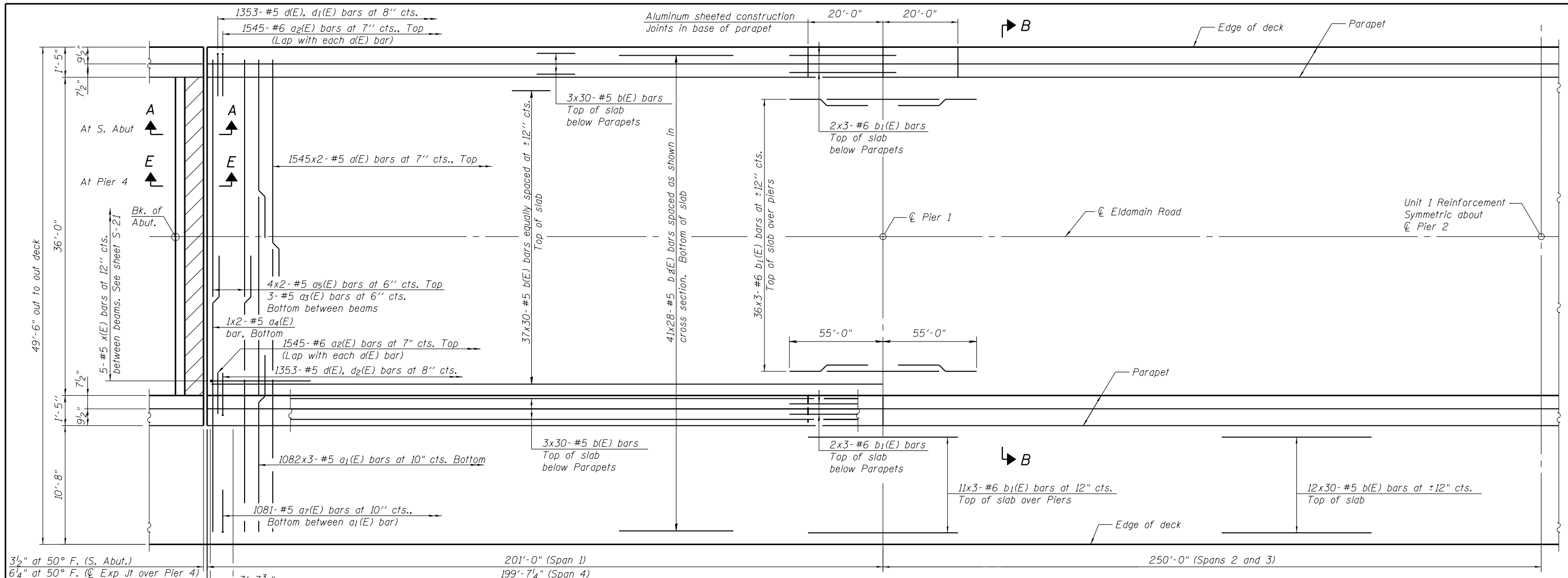
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	DRAWN - WJH	REVISED -
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PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TOP OF APPROACH SLAB ELEVATIONS
 SN: 047-3175

SHEET NO. S-17 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	189
CONTRACT NO.			87731	
ILLINOIS FED. AID PROJECT				

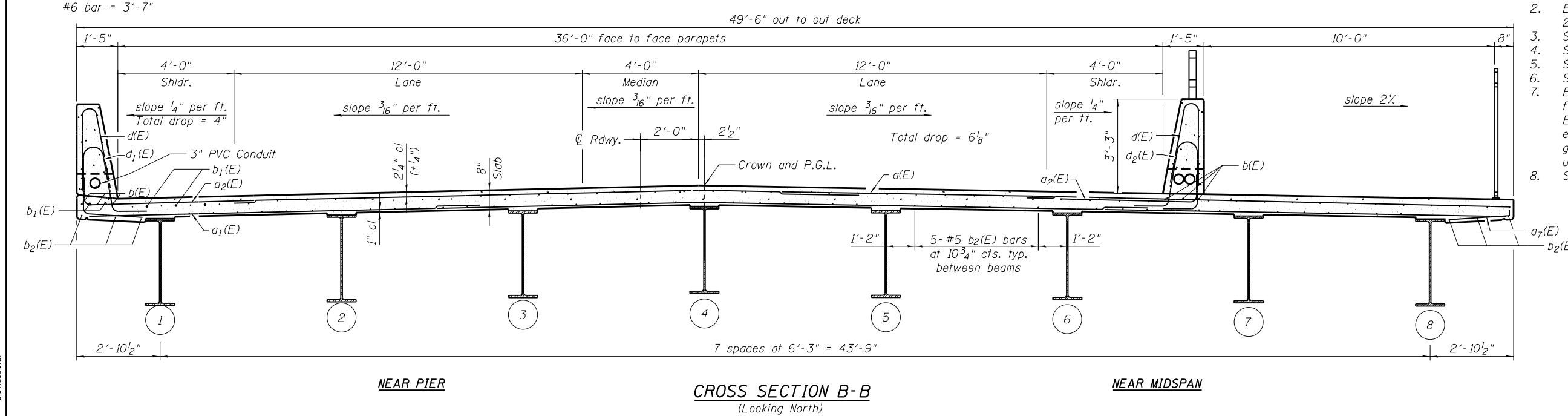


3 1/2" at 50° F. (S. Abut.)
 6 1/4" at 50° F. (Exp Jt over Pier 4)
 Bicycle Railing Post Spacing
 3'-7 3/4"
 112 spaces at 8'-0" = 896'-0"
 6"
 901'-0" end to end deck (Unit 1)

MINIMUM BAR LAP
 #5 bar = 3'-6"
 #6 bar = 3'-7"

UNIT 1 PARTIAL PLAN

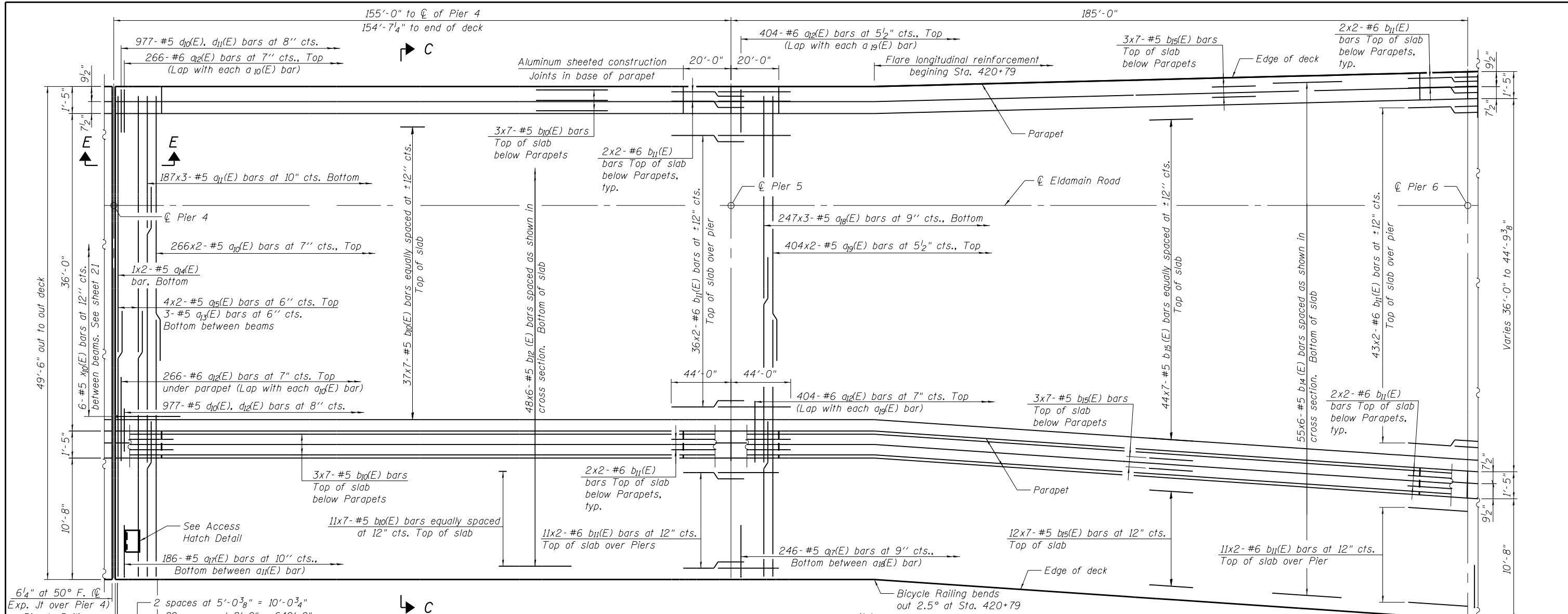
- Notes:
- See Sheet S-22 for superstructure details and Bill of Material.
 - Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 - See Sheet S-21 for parapet reinforcement. See Sheet S-2 for Pour Sequence.
 - See Sheet S-23 for floor drain location.
 - See Sheet S-65 for light pole location.
 - Bridge Deck Grooving shall begin 1'-0" offset from face of curb. 7" on each side of Pair 4 Expansion Joint shall not be grooved, 5" on each side of abutment joints shall not be grooved. No grooving on 10'-0" wide shared use path on bridge deck.
 - See Sheet S-21 for Sections A-A and E-E.



CROSS SECTION B-B
 (Looking North)

HRG PROJECT NO.: 8810381
 HRG PROJ. CONTACT: 3818 S. SuperstructurePlan-Unit1.dgn
 FILE NAME: IL.pdf, b.w.dwg, etc.
 PLOT DRIVER: pld-habell.tbl
 PEN TABLE:

HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = whood PLOT SCALE = PLOT DATE = 9/3/2020	DESIGNED - SLS DRAWN - WJH CHECKED - SLS DATE - 8/7/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE PLAN - UNIT 1 SN: 047-3175	F.A.U. R.E. = 4000	SECTION = 19-00153-00-BR	COUNTY = KENDALL	TOTAL SHEETS = 485	SHEET NO. = 190
						SHEET NO. S-18 OF S-72 SHEETS		CONTRACT NO. 87731 ILLINOIS FED. AID PROJECT		

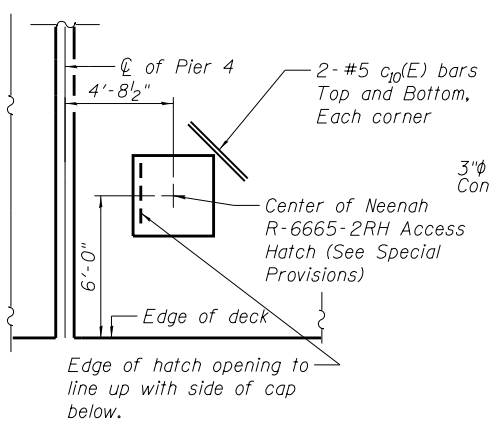


UNIT 2 PARTIAL PLAN

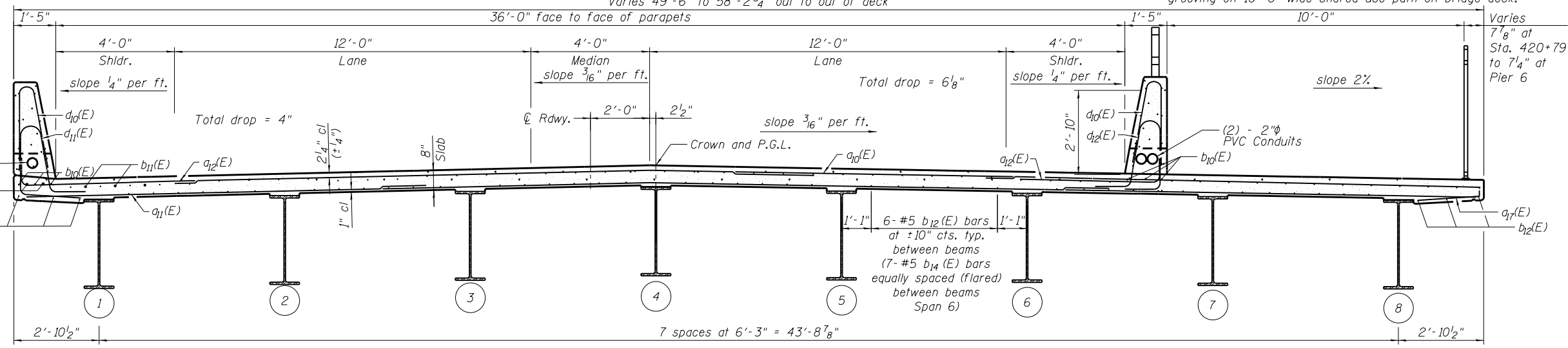
- Notes:
1. See Sheet S-22 for superstructure details and Bill of Material.
 2. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 3. See Sheet S-21 for parapet reinforcement.
 4. See Sheet S-2 for Pour Sequence.
 5. See Sheet S-23 for floor drain location.
 6. See Sheet S-65 for light pole location.
 7. Bridge Deck Grooving shall begin 1'-0" offset from face of curb. 7" on each side of Pier 4 Expansion Joint shall not be grooved. 5" on each side of abutment joints shall not be grooved. No grooving on 10'-0" wide shared use path on bridge deck.

MINIMUM BAR LAP

#5 bar = 3'-6"
 #6 bar = 3'-7"



CATWALK ACCESS HATCH DETAIL



NEAR PIER

CROSS SECTION C-C (Looking North)

NEAR MIDSPAN

HRC PROJECT NO.: 881038B
 HRC PROJ. CONTACT: 3818 S. SuperstructurePlan-Unit2-01.dgn
 FILE NAME: IL.pdf, b.w.a.h.f.c.g.
 PLOT DRIVER: pldtbltbl.tbl
 PEN TABLE:



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DESIGNED	- SLS
DRAWN	- WJH
PLOT SCALE	=
PLOT DATE	= 9/3/2020

DESIGNED	- SLS	REVISED	-
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CHECKED	- SLS	REVISED	-
DATE	- 8/7/2020	REVISED	-

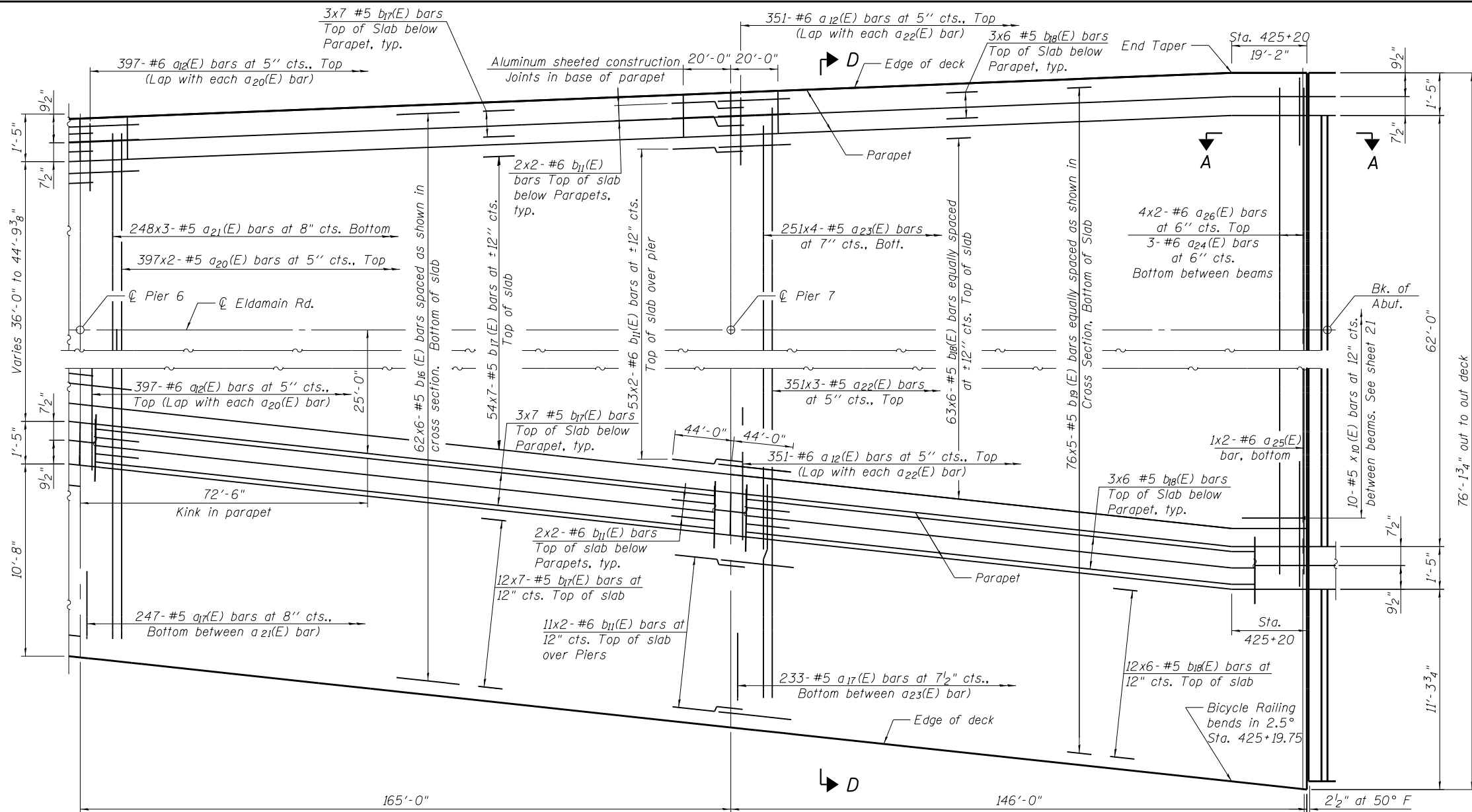
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE PLAN - UNIT 2
 SN: 047-3175**

SHEET NO. S-19 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	191
CONTRACT NO.			87731	

ILLINOIS FED. AID PROJECT



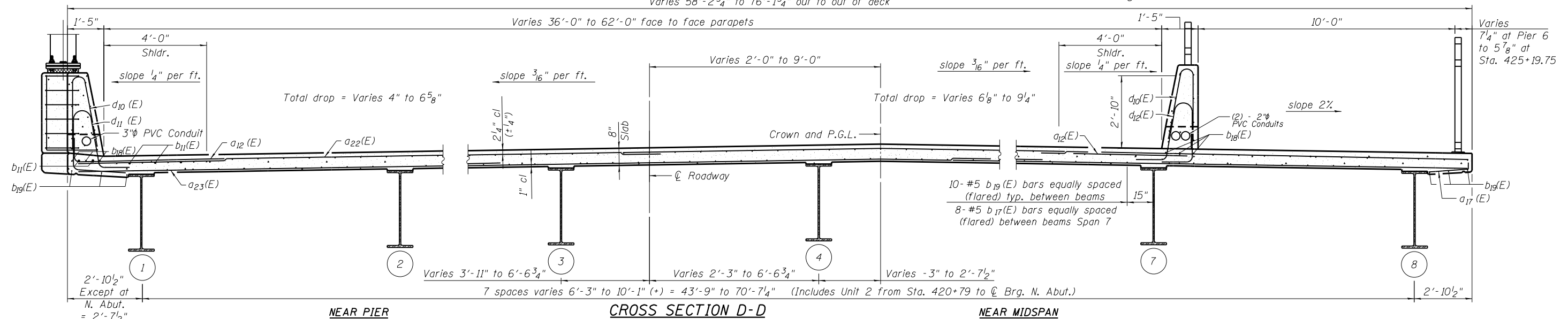
UNIT 2 PARTIAL PLAN

Varies 58'-2 3/4" to 76'-1 3/4" out to out of deck

- Notes:
- See Sheet S-22 for superstructure details and Bill of Material.
 - Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 - See Sheet S-21 for parapet reinforcement.
 - See Sheet S-2 for Pour Sequence.
 - See Sheet S-23 for floor drain location.
 - See Sheet S-65 for light pole location.
 - Bridge Deck Grooving shall begin 1'-0" offset from face of curb. 7" on each side of Pair 4 Expansion Joint shall not be grooved. 5" on each side of abutment joints shall not be grooved. No grooving on 10'-0" wide shared use path on bridge deck.

MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 3'-7"



CROSS SECTION D-D
(Looking North)

HRC PROJECT NO.: 881038B
 HRC PROJ. CONTACT: 3818 S. SuperstructurePlan-Unit2-02.dgn
 FILE NAME: IL.pdf, bwhfctg
 PLOT DRIVER: pldtbltbl.tbl
 PEN TABLE:



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PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

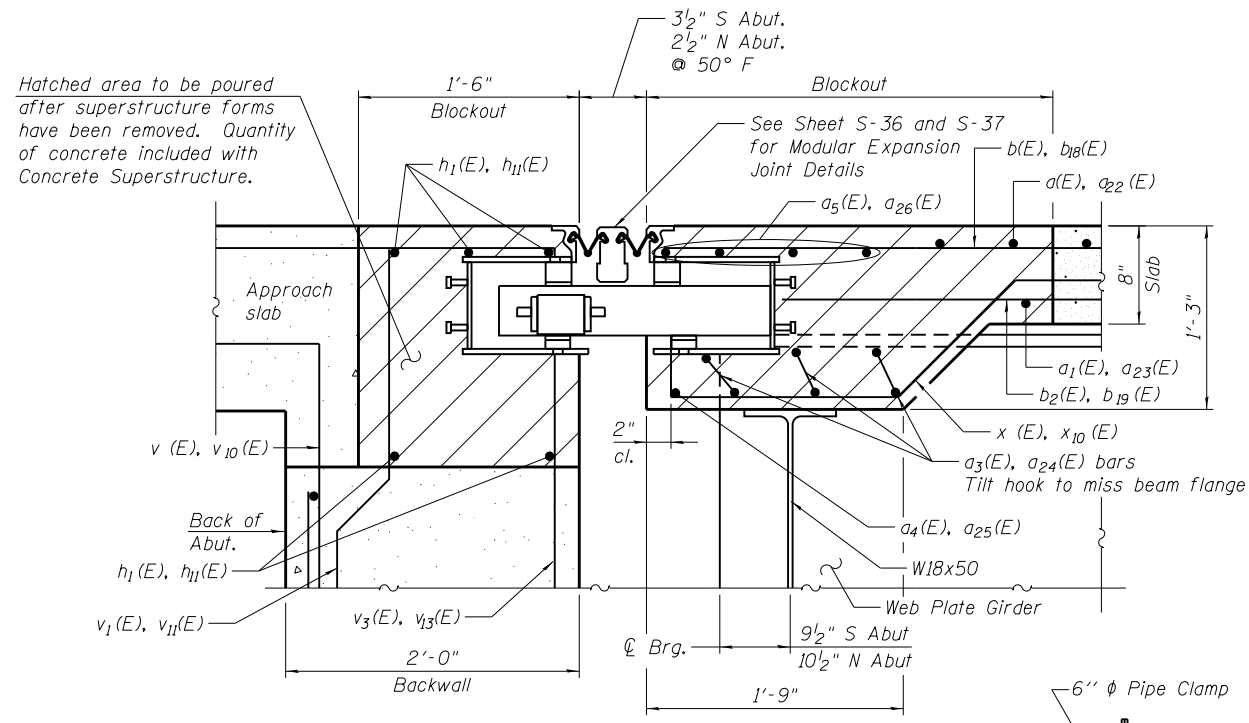
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CHECKED - SLS	REVISED -
DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

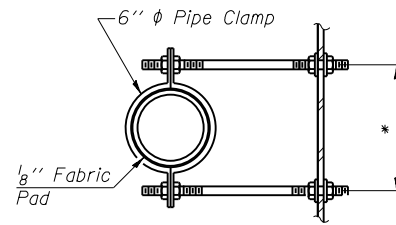
SUPERSTRUCTURE PLAN - UNIT 2
SN: 047-3175

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	192
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

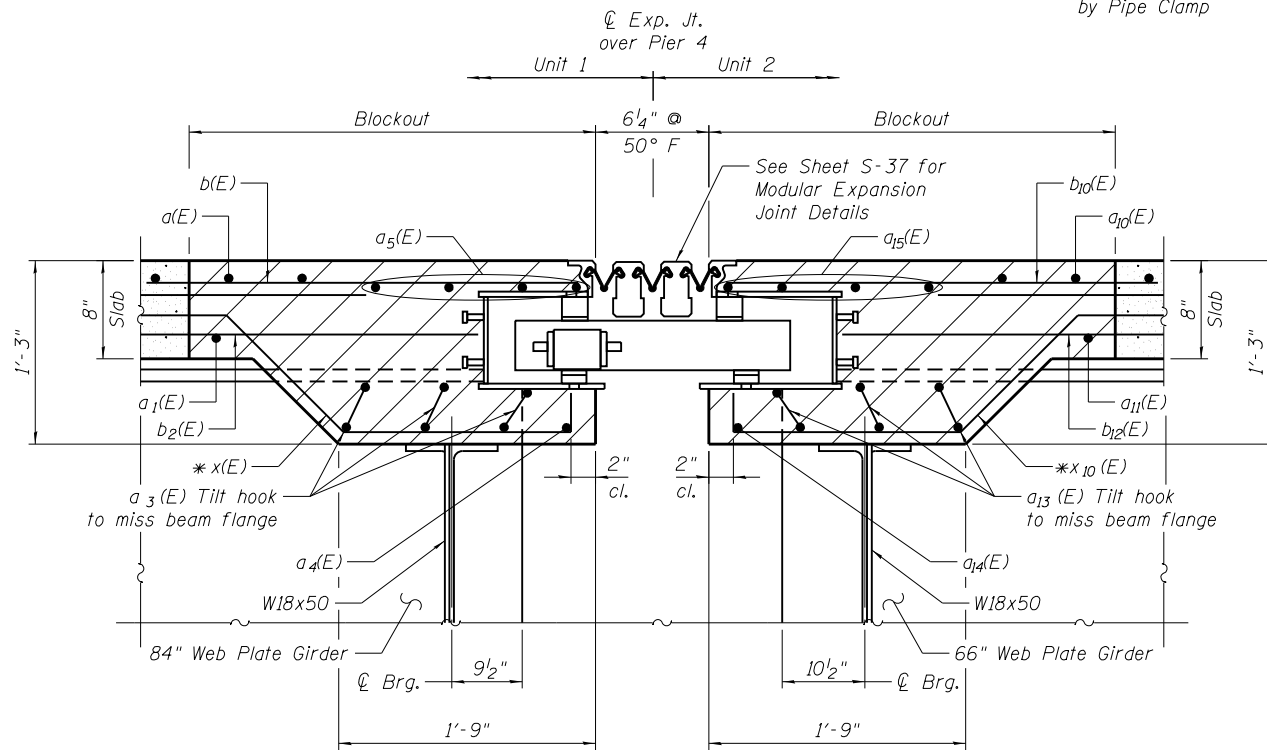
SHEET NO. S-20 OF S-72 SHEETS



SECTION A-A
(At S. Abut. and N. Abut.)



SECTION B-B
* Dimension as required by Pipe Clamp

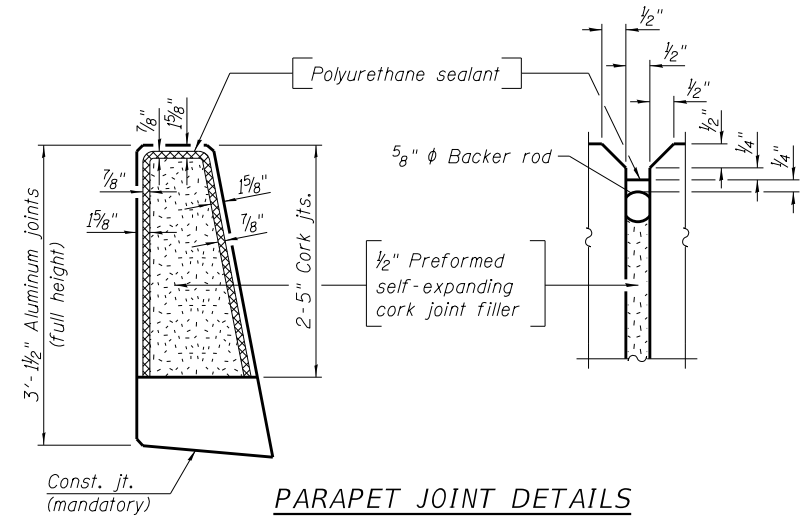


SECTION E-E
(At Pier 4)

* Contractor may cut x(E), x₁₀(E) bar to avoid conflict with Modular Expansion Joint

MINIMUM BAR LAP

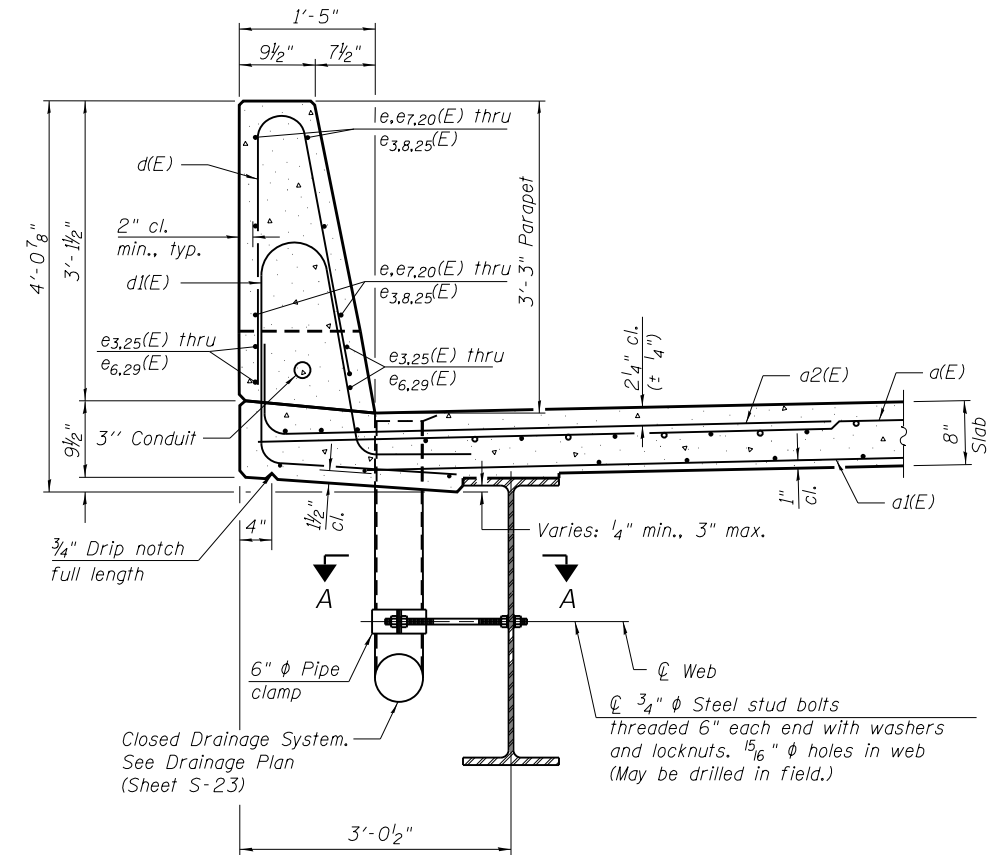
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

Notes:

- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
- The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
- The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
- The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
- The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
- Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



SECTION THRU PARAPET

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 HRG PROJ. CONTACT: 3818 S. SuperstructureDetailing.dgn
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 PEN TABLE: plc-table.tbl



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PLOT DATE = 9/28/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
SN: 047-3175

SHEET NO. S-21 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	193
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

SUPERSTRUCTURE - UNIT 1

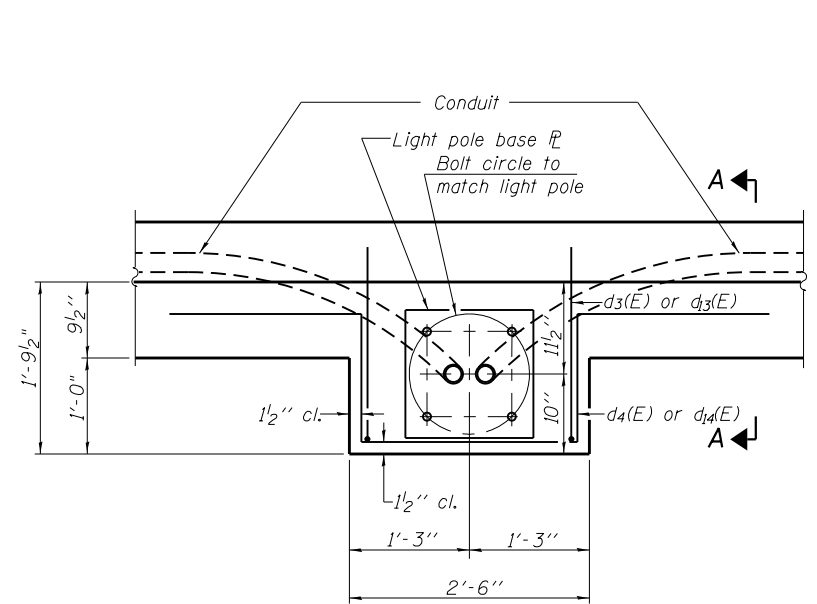
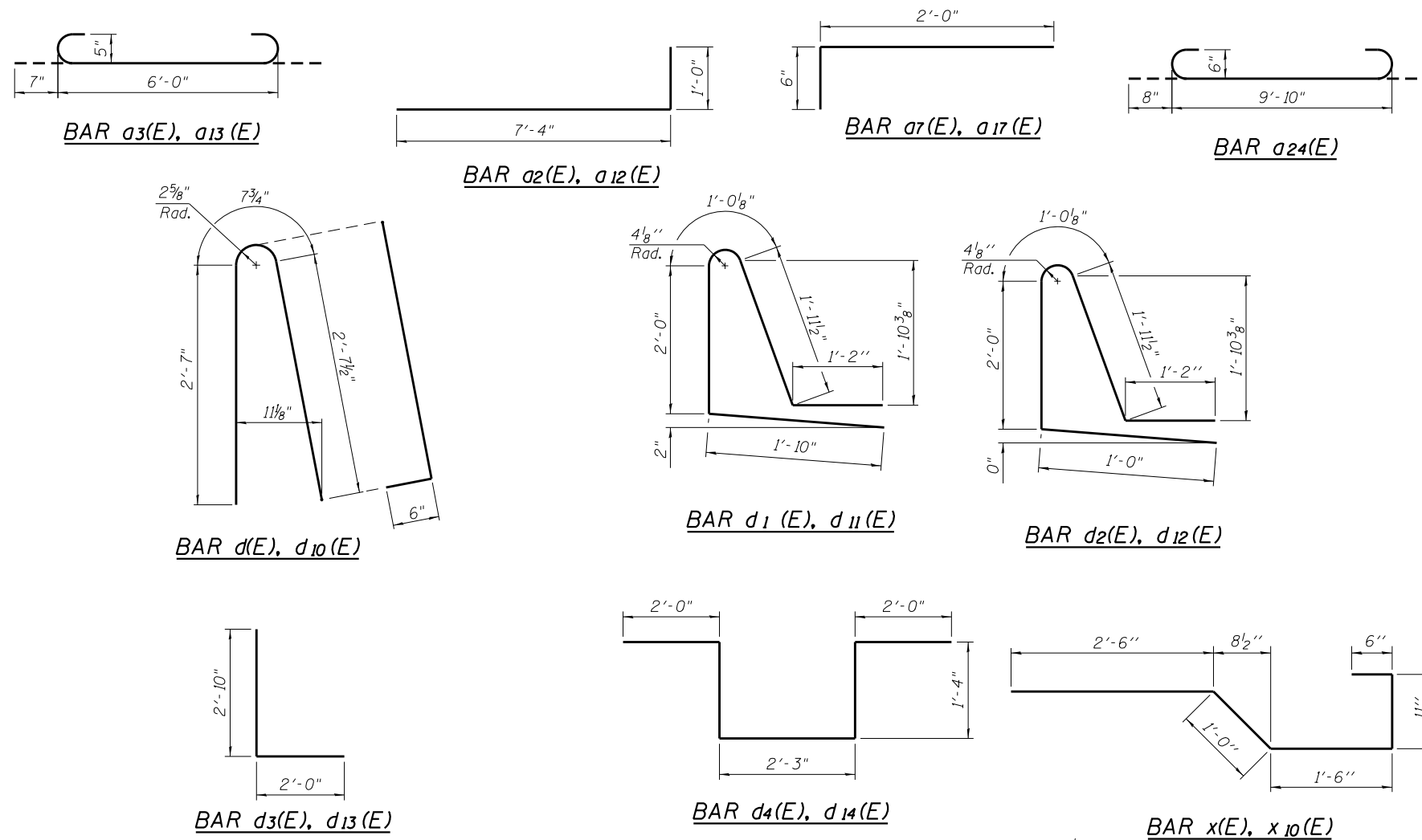
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	3,090	#5	26'- 4"	—
a ₁ (E)	3,246	#5	18'- 7"	—
a ₂ (E)	3,090	#6	8'- 4"	—
a ₃ (E)	42	#5	7'- 2"	—
a ₄ (E)	4	#5	23'- 10"	—
a ₅ (E)	16	#5	26'- 4"	—
a ₆ (E)	160	#5	2'- 0"	—
a ₇ (E)	1,081	#5	2'- 6"	—
b (E)	1,650	#5	33'- 5"	—
b ₁ (E)	459	#6	39'- 1"	—
b ₂ (E)	1,148	#5	35'- 7"	—
d (E)	2,706	#5	6'- 5"	—
d ₁ (E)	1,353	#5	8'- 2"	—
d ₂ (E)	1,353	#5	7'- 2"	—
d ₃ (E)	12	#6	4'- 10"	—
d ₄ (E)	24	#6	8'- 11"	—
e (E)	60	#4	17'- 9"	—
e ₁ (E)	264	#4	18'- 9"	—
e ₂ (E)	108	#4	19'- 7"	—
e ₃ (E)	120	#4	19'- 8"	—
e ₄ (E)	48	#4	32'- 5"	—
e ₅ (E)	112	#4	32'- 3"	—
e ₆ (E)	48	#4	32'- 2"	—
e ₇ (E)	54	#4	18'- 3"	—
e ₈ (E)	6	#4	12'- 11"	—
x (E)	70	#5	6'- 5"	—
Bridge Deck Grooving			Sq Yd	3,405.7
Concrete Superstructure			Cu Yd	1,429.9
Reinforcement Bars, Epoxy Coated			Pound	370,325

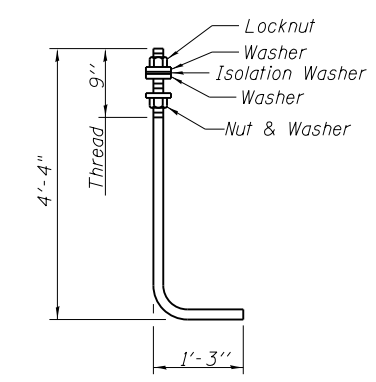
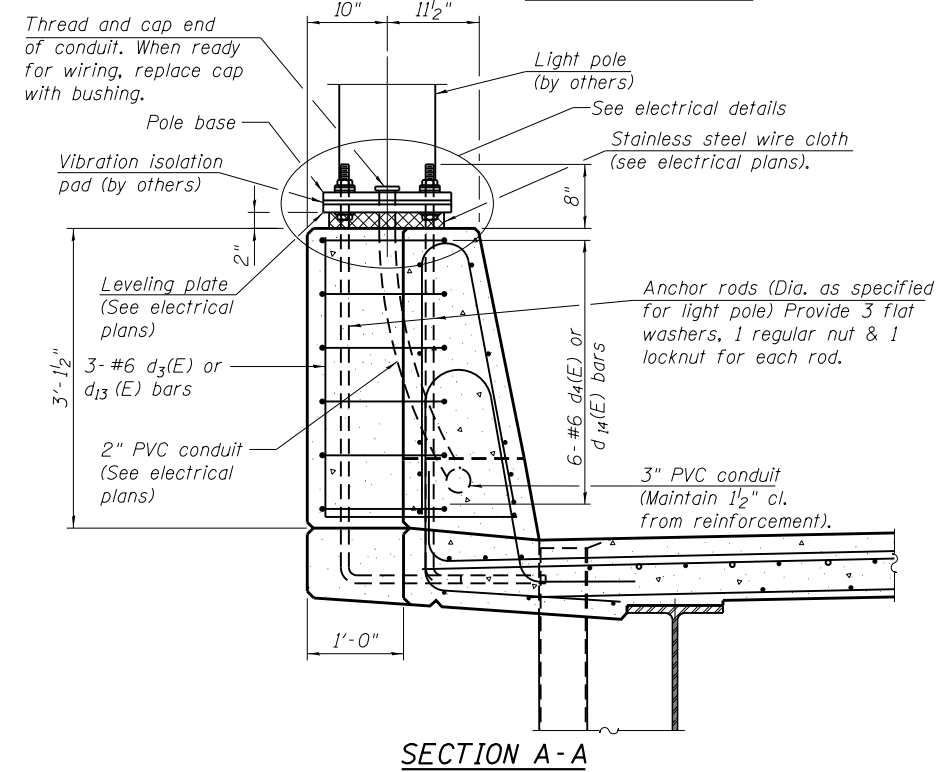
SUPERSTRUCTURE - UNIT 2

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a ₁₀ (E)	532	#5	26'- 1"	—
a ₁₁ (E)	561	#5	18'- 7"	—
a ₁₂ (E)	2,836	#6	8'- 4"	—
a ₁₃ (E)	21	#5	7'- 2"	—
a ₁₄ (E)	2	#5	23'- 10"	—
a ₁₅ (E)	8	#5	23'- 2"	—
a ₁₆ (E)	160	#5	2'- 0"	—
a ₁₇ (E)	912	#5	2'- 6"	—
a ₁₈ (E)	741	#5	29'- 6"	—
a ₁₉ (E)	808	#5	20'- 10"	—
a ₂₀ (E)	794	#5	27'- 8"	—
a ₂₁ (E)	744	#5	19'- 8"	—
a ₂₂ (E)	1,053	#5	27'- 6"	—
a ₂₃ (E)	1,004	#5	21'- 6"	—
a ₂₄ (E)	21	#6	11'- 2"	—
a ₂₅ (E)	2	#6	37'- 3"	—
a ₂₆ (E)	8	#6	36'- 7"	—
a ₂₇ (E)	128	#5	1'- 6"	—
b ₁₀ (E)	378	#5	25'- 2"	—
b ₁₁ (E)	354	#6	45'- 10"	—
b ₁₂ (E)	288	#5	28'- 9"	—
b ₁₄ (E)	330	#5	34'- 4"	—
b ₁₅ (E)	434	#5	29'- 11"	—
b ₁₆ (E)	372	#5	31'- 0"	—
b ₁₇ (E)	504	#5	27'- 1"	—
b ₁₈ (E)	486	#5	27'- 10"	—
b ₁₉ (E)	380	#5	32'- 9"	—
c ₁₀ (E)	16	#5	5'- 0"	—
d ₁₀ (E)	1,954	#5	6'- 5"	—
d ₁₁ (E)	977	#5	8'- 0"	—
d ₁₂ (E)	977	#5	7'- 2"	—
d ₁₃ (E)	6	#6	4'- 10"	—
d ₁₄ (E)	12	#6	8'- 11"	—
e ₂₀ (E)	84	#4	18'- 10"	—
e ₂₁ (E)	12	#4	15'- 8"	—
e ₂₂ (E)	84	#4	18'- 1"	—
e ₂₃ (E)	84	#4	17'- 6"	—
e ₂₄ (E)	84	#4	17'- 8"	—
e ₂₅ (E)	120	#4	19'- 8"	—
e ₂₆ (E)	40	#4	29'- 1"	—
e ₂₇ (E)	40	#4	26'- 5"	—
e ₂₈ (E)	40	#4	27'- 2"	—
e ₂₉ (E)	40	#4	27'- 4"	—
x ₁₀ (E)	112	#5	6'- 5"	—
Bridge Deck Grooving			Sq Yd	3,149.3
Concrete Superstructure			Cu Yd	1,182.6
Reinforcement Bars, Epoxy Coated			Pound	356,184



Note:
 1. Cost of anchor rods is included with Concrete Superstructure.
 2. See Sheet S-65 for light pole location.



ANCHOR ROD

Diameter as specified for light poles. (ASTM F 1554 Grade 105) Full length hot dipped galvanized

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

HRG PROJECT NO.: 881038B
 HRG PROJ. CONTACT: 3818 S. SuperstructureDetail02.dgn
 FILE NAME: IL.pdf, bw,ahf,cfq
 PLOT DRIVER: plc-habel.tbl
 PEN TABLE:

HRGreen.com
 ■ Multi Professional Design Firm
 #184-001322

USER NAME = whoad	DESIGNED - SLS	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
SN: 047-3175

SHEET NO. S-22 OF S-72 SHEETS

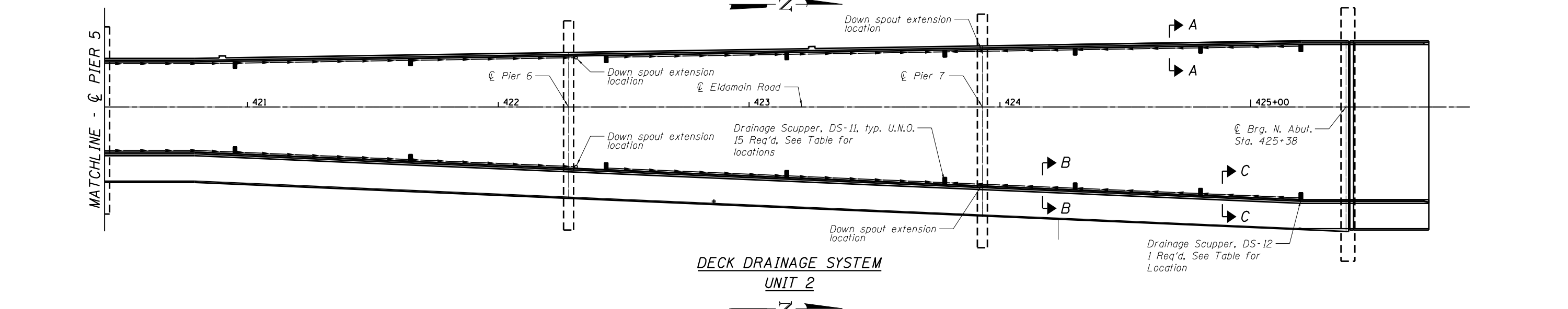
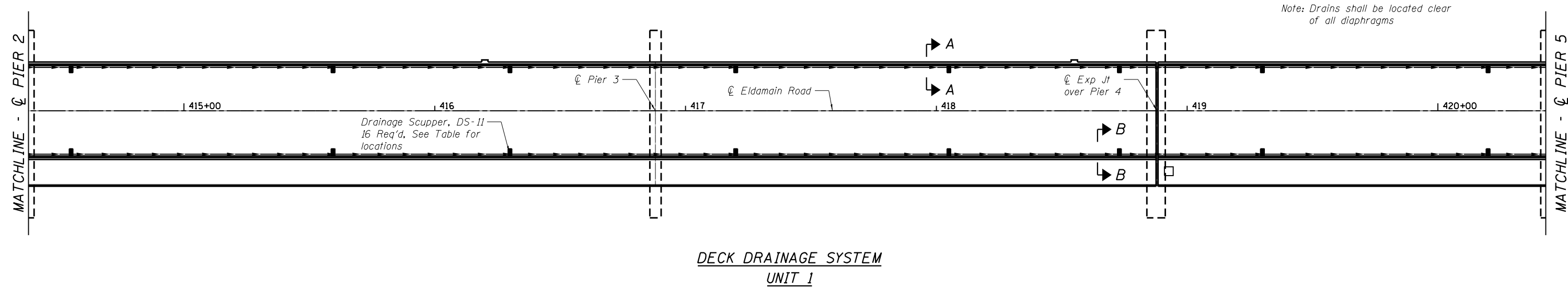
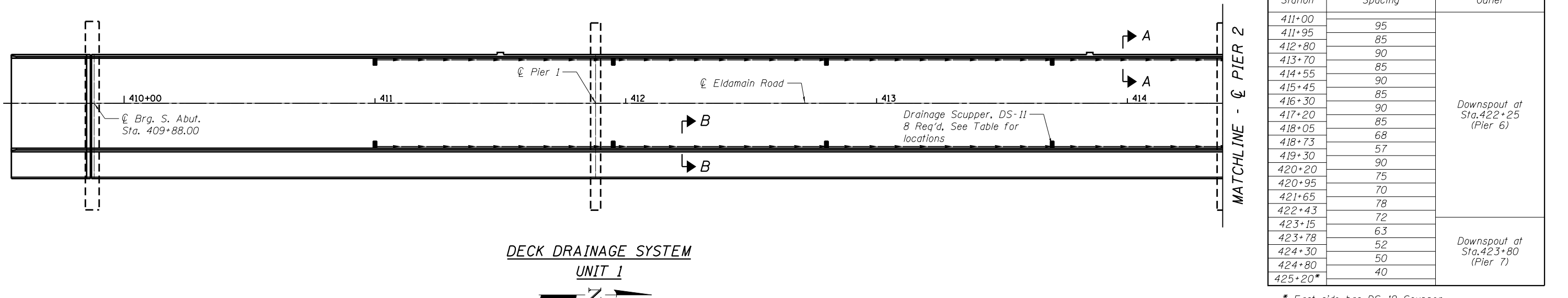
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	194
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	

DS-11 SCUPPER LOCATION TABLE

Station	Spacing	Outlet
411+00	95	Downspout at Sta. 422+25 (Pier 6)
411+95	85	
412+80	90	
413+70	85	
414+55	90	
415+45	85	
416+30	90	
417+20	85	
418+05	68	
418+73	57	
419+30	90	Downspout at Sta. 423+80 (Pier 7)
420+20	75	
420+95	70	
421+65	78	
422+43	72	
423+15	63	
423+78	52	
424+30	50	
424+80	40	
425+20*		

* East side has DS-12 Scupper

Note: Drains shall be located clear of all diaphragms



HRC PROJECT NO.: 887028B
 HRC PROJ CONTACT: 3818 S.rr. DeckDrain-01.dgn
 FILE NAME: IL_pdr.dwg
 PLOT DRIVER: il_pdr.dwg
 PEN TABLE: plc-table.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

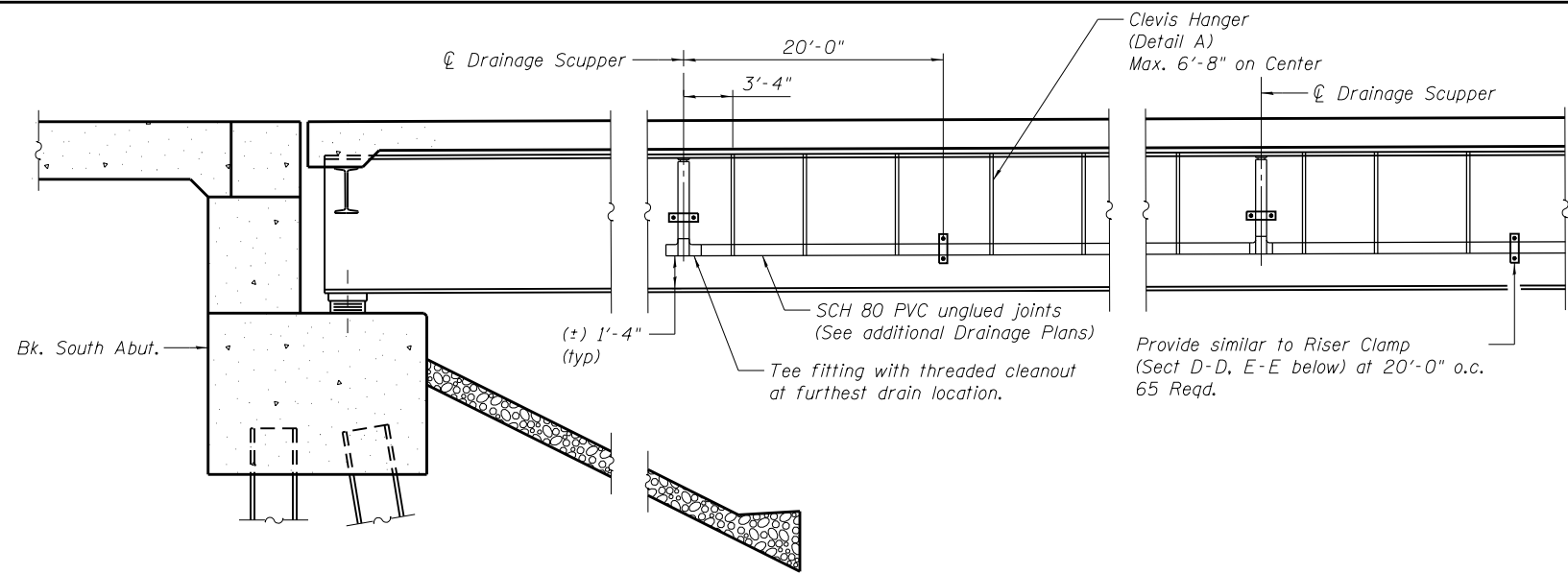
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	DRAWN - WJH	REVISED -
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PLOT DATE = 9/3/2020	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

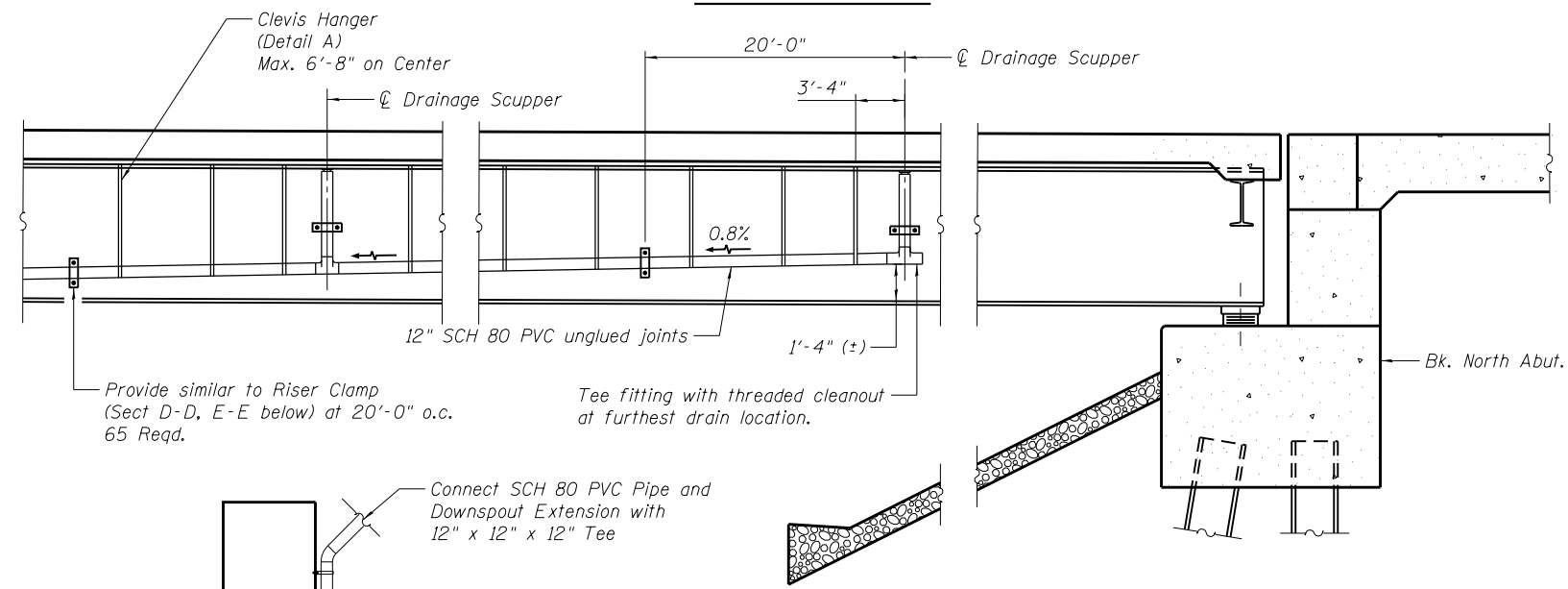
DECK DRAINAGE SYSTEM
SN: 047-3175
 SHEET NO. S-23 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	195
CONTRACT NO.			87731	

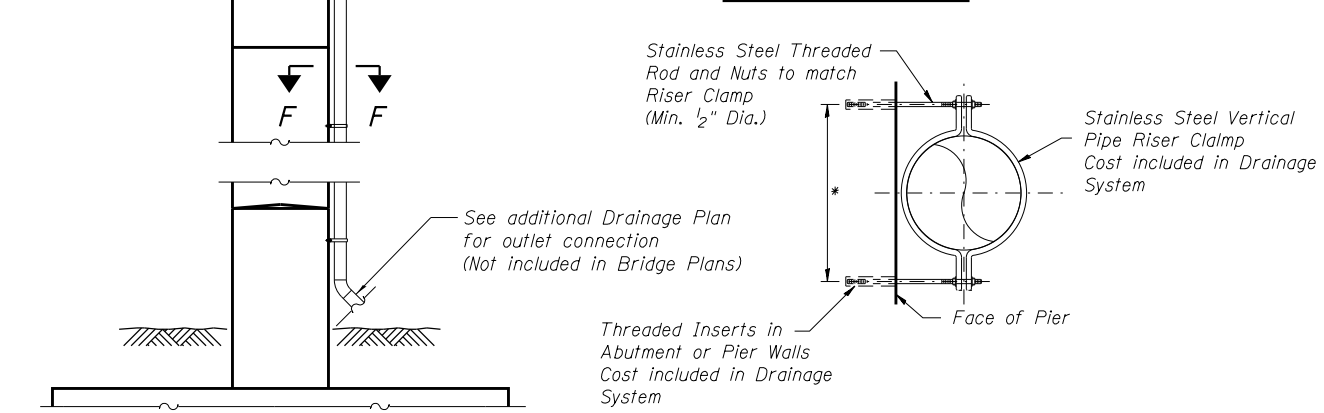
ILLINOIS FED. AID PROJECT



SOUTH ABUTMENT



NORTH ABUTMENT

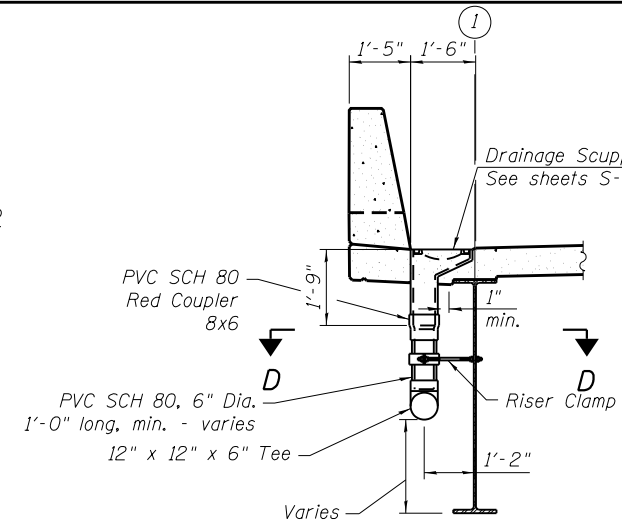


PIER 6 AND PIER 7 DOWNSPOUT EXTENSION

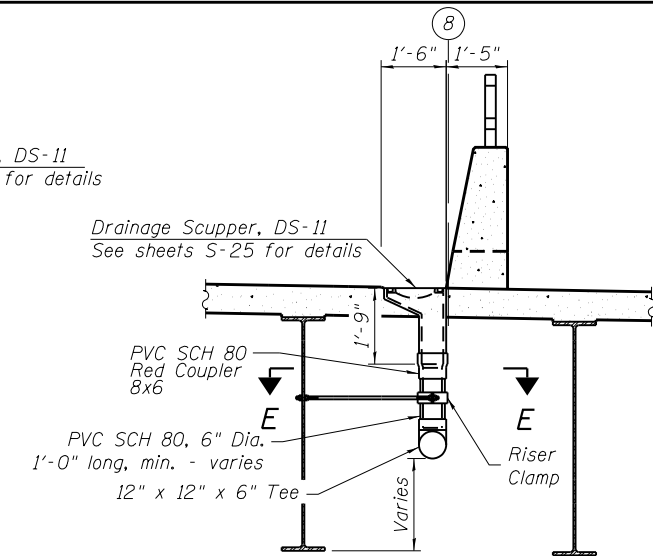
SECTION F-F

Not to Scale

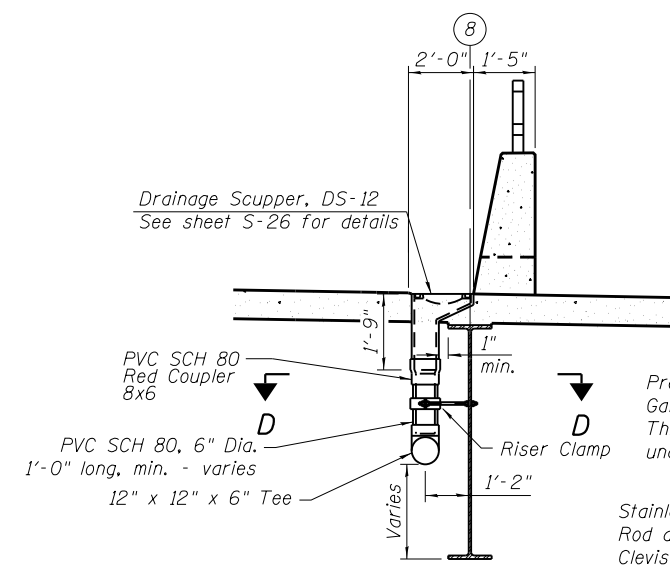
* Dimension as required by Riser Clamp



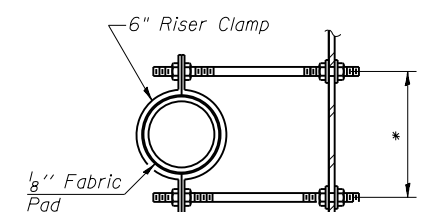
SECTION A-A



SECTION B-B



SECTION C-C

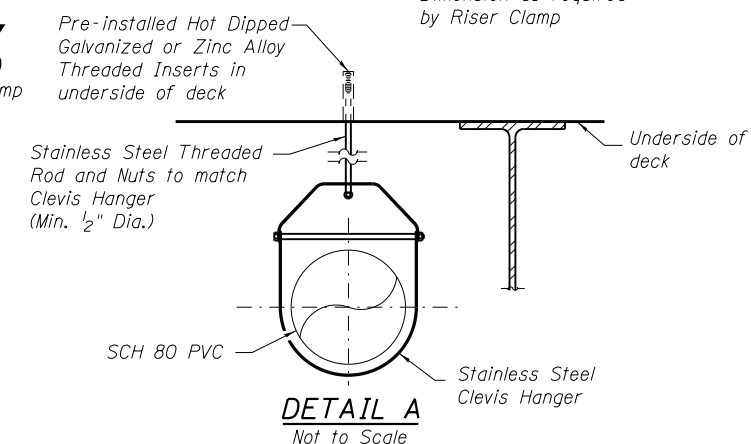


SECTION D-D

SECTION E-E

(Opposite Hand)

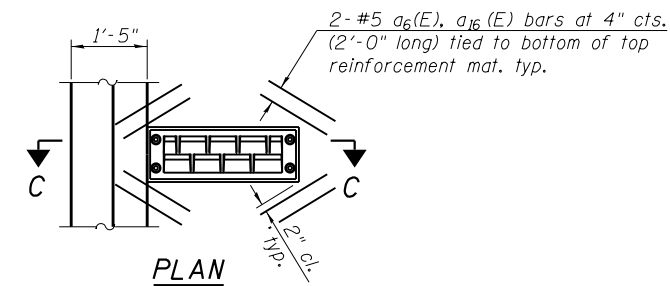
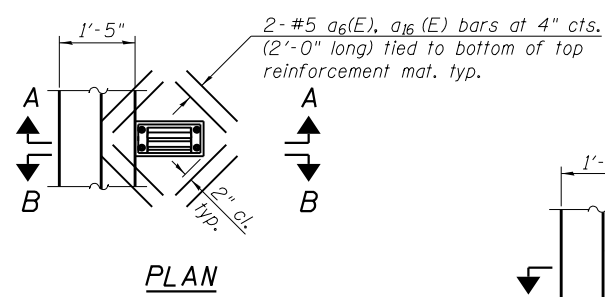
* Dimension as required by Riser Clamp



DETAIL A

Not to Scale

Note: See additional drainage plan for lateral pipe and downspout sizes.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage System (Special)	L. Sum	1

HRG PROJECT NO.: 881038
 HRG PROJ. CONTACT: 3818 S.rr_DeckDrainDetails-04.dgn
 FILE NAME: IL.pdf.bw.dwt
 PLOT DRIVER: IL.pdf.bw.dwt
 PEN TABLE: p10.tbl



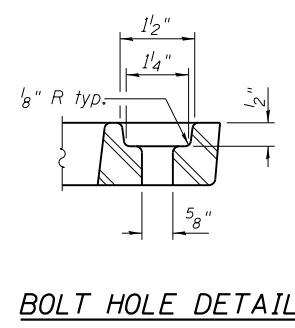
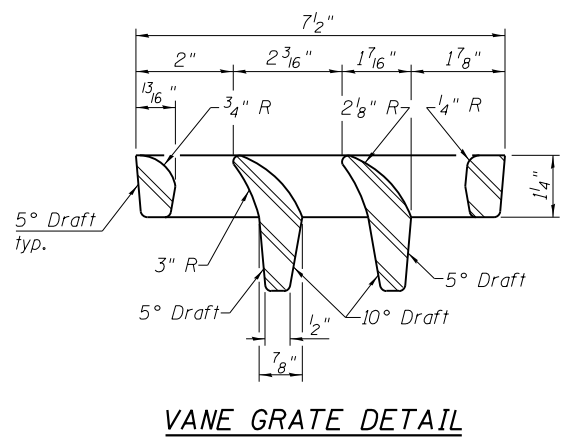
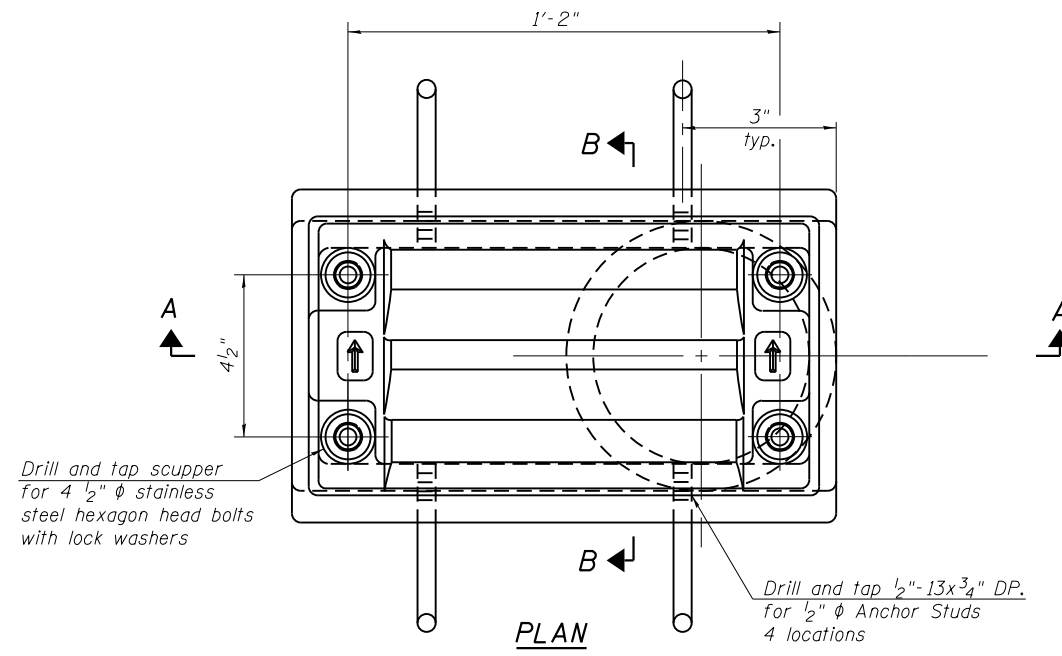
USER NAME = whood	DESIGNED - SLS	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK DRAINAGE SYSTEM DETAILS
 SN: 047-3175

SHEET NO. S-24 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	196
CONTRACT NO. 87731			ILLINOIS FED. AID PROJECT	



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

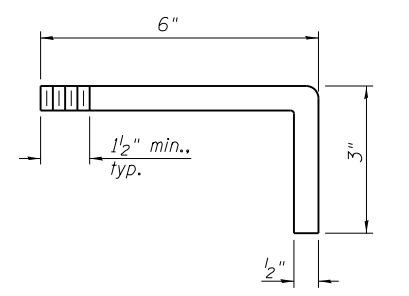
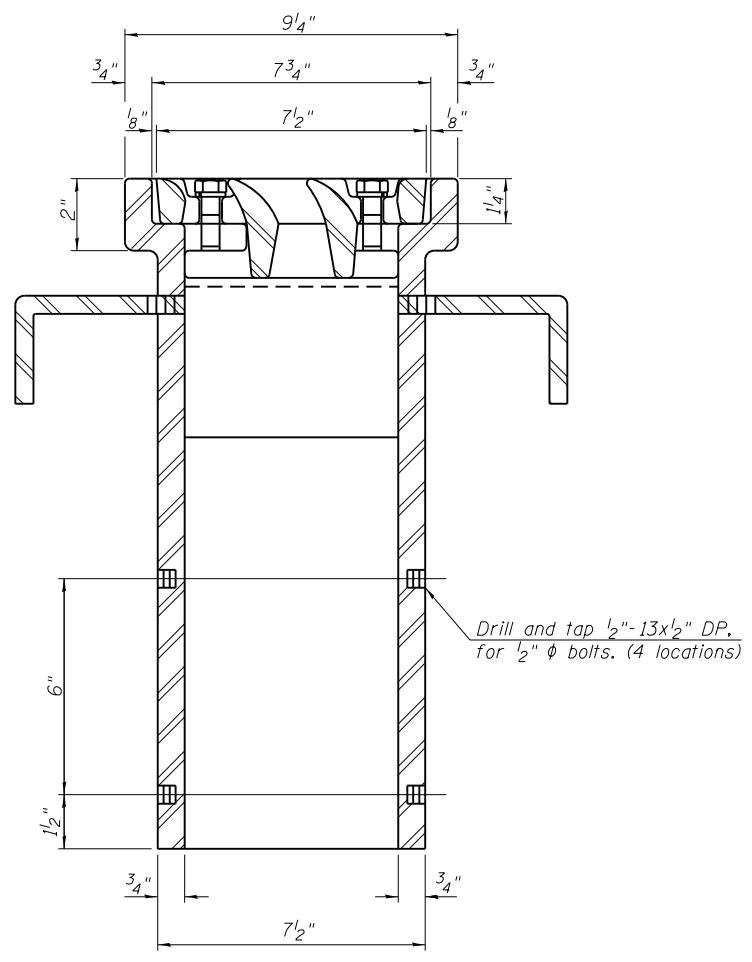
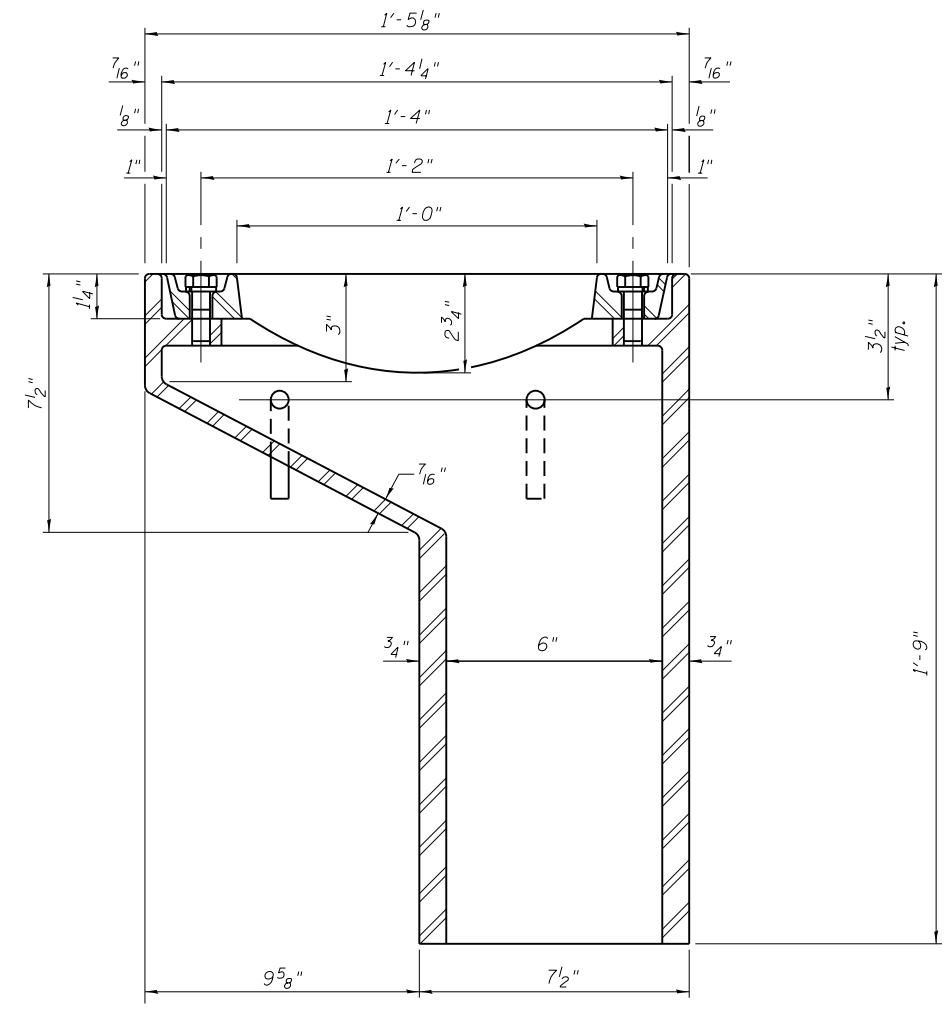
Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.



See sheet S-24 for scupper location relative to parapet.

DOWNSPOUT

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	39

HRG PROJECT NO.: 881028
 HRG PROJ. CONTACT: 3818 S. St. Louis
 FILE NAME: IL.pdf.dwg
 PLOT DRIVER: il.pdf.dwg
 PEN TABLE: p1c-habel.tbl

DS-11

2-17-17



USER NAME = whood	DESIGNED - SLS	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

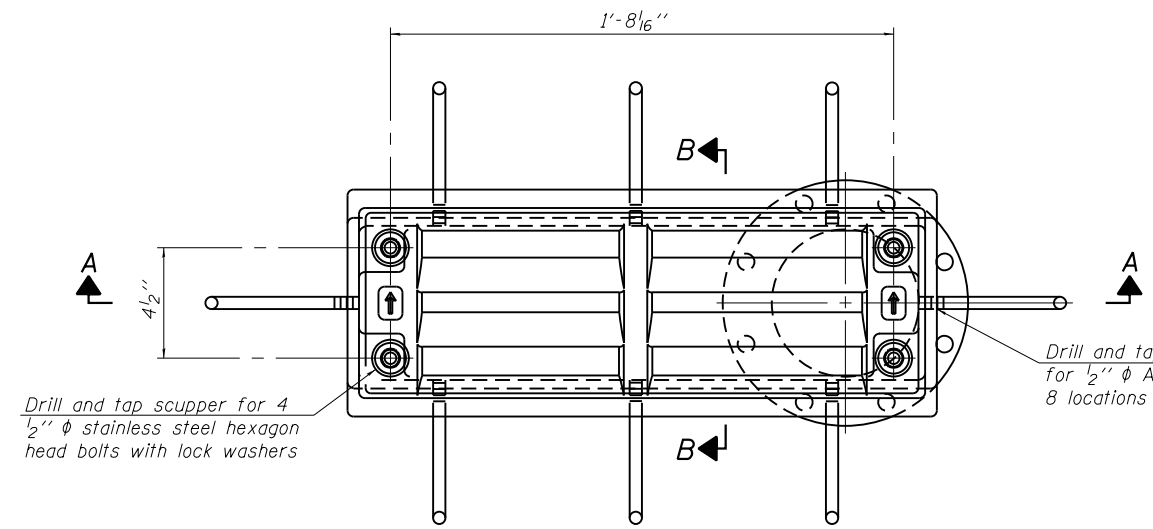
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPER, DS-11
 SN: 047-3175

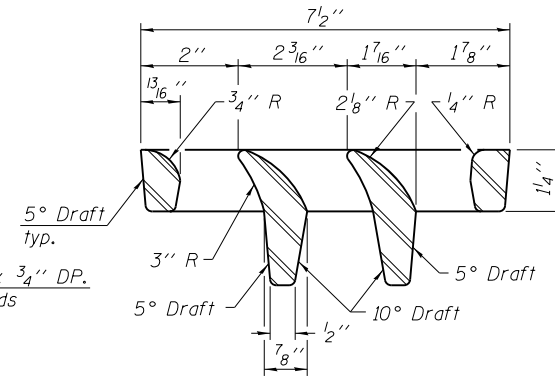
SHEET NO. S-25 OF S-72 SHEETS

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	197
				CONTRACT NO. 87731

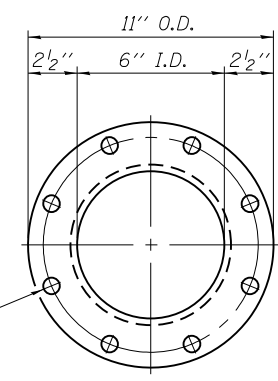
ILLINOIS FED. AID PROJECT



PLAN



VANE GRATE DETAIL



VIEW C-C

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

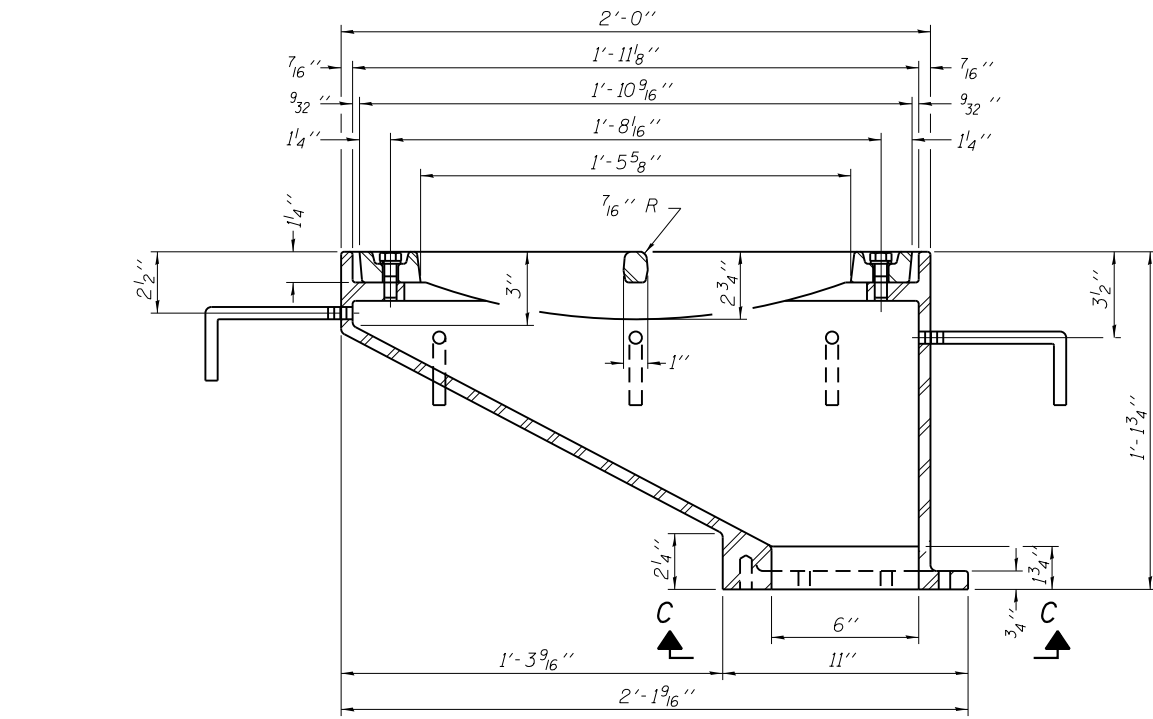
Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M 111.

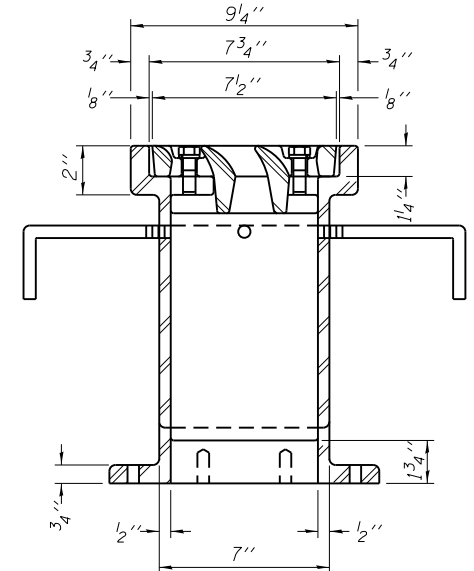
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-12.

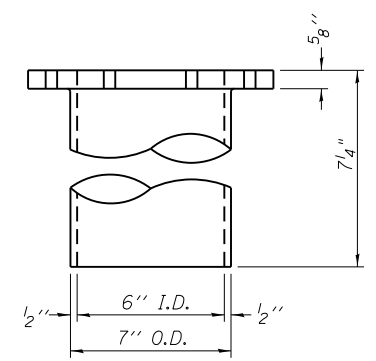


SECTION A-A

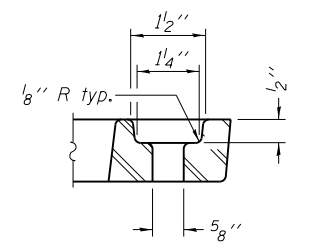
See sheet S-24 for scupper location relative to parapet.



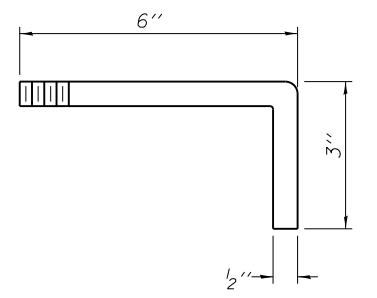
SECTION B-B



DOWNSPOUT



BOLT HOLE DETAIL



ANCHOR STUD DETAIL

Drill and tap 8 holes for 1/2"-13 bolts on a 9 1/2" φ bolt circle. (2 blind holes are 1 1/4" deep, 6 thru holes)

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-12	Each	1

HRG PROJECT NO.: 881038B
 HRG PROJ. CONTACT: 3818 S. 1st St. Des Moines, IA 50319
 FILE NAME: IL_PDF.dwg
 PLOT DRIVER: IL_PDF.dwg
 PEN TABLE: p10.tbl

DS-12

2-17-17



USER NAME	DESIGNED	REVISIONS
whood	SLS	-
	WJH	-
	SLS	-
		-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE SCUPPER, DS-12
 SN: 047-3175

SHEET NO. S-26 OF S-72 SHEETS

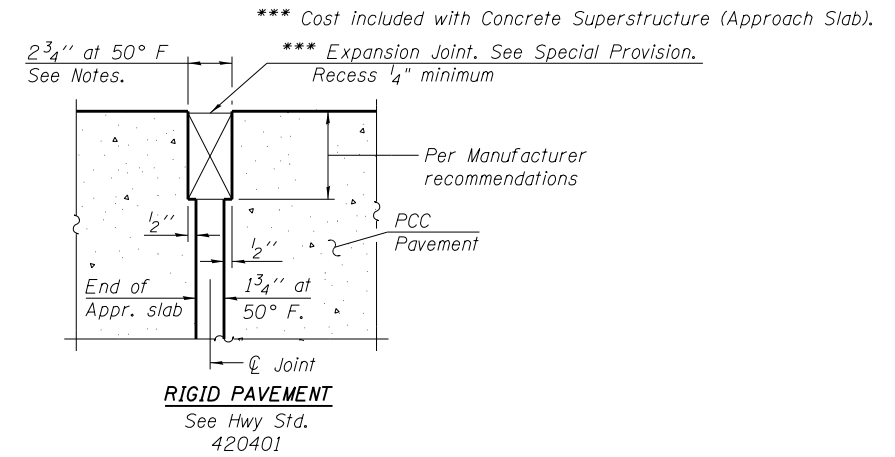
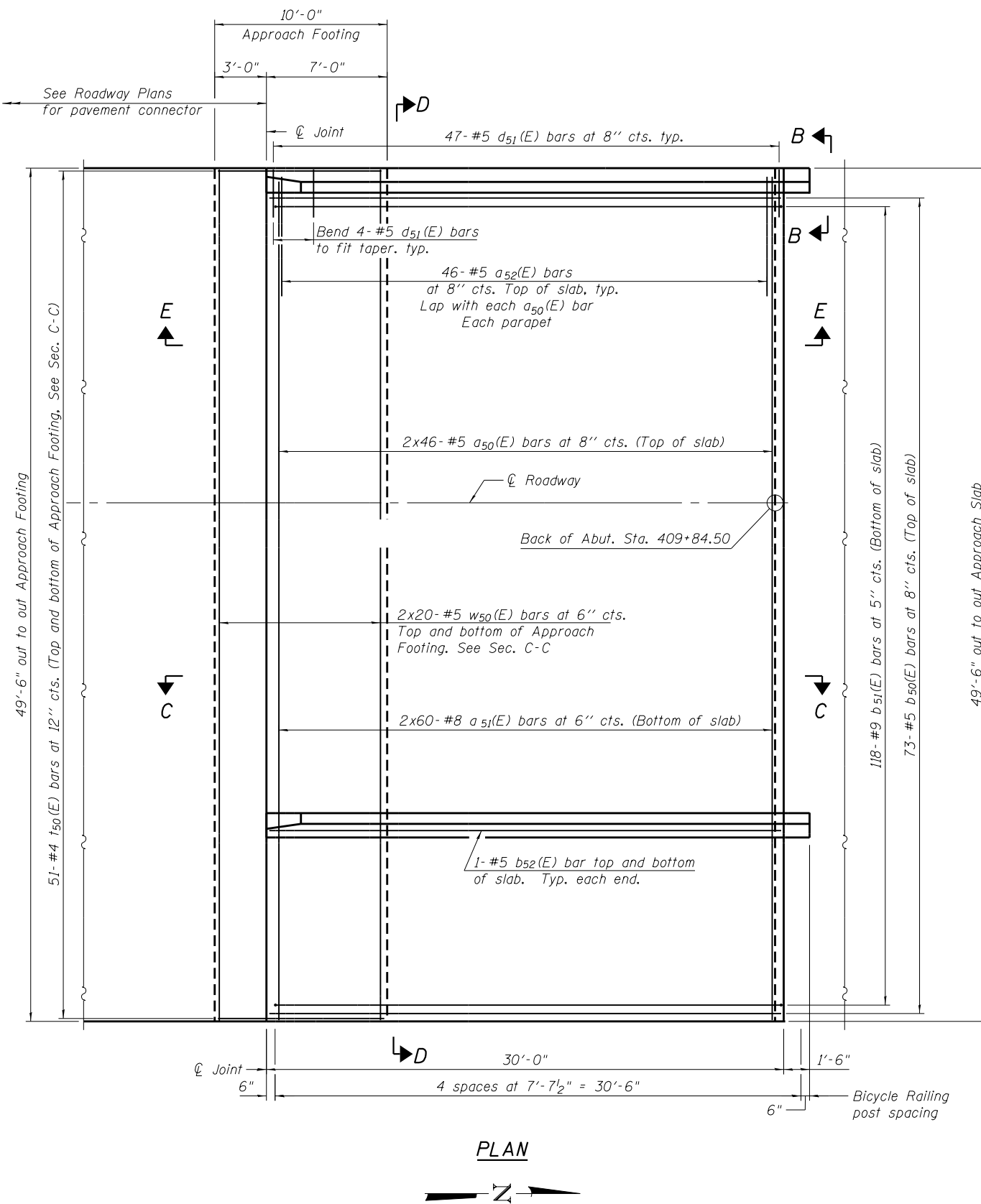
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	198
CONTRACT NO.				87731

ILLINOIS FED. AID PROJECT

Notes:
 See sheet S-28 for Sections C-C & D-D and View E-E.
 $a_{50}(E)$ and $a_{51}(E)$ bar spacings measured along \varnothing Rdwy.
 The joint opening shall be determined per Article 520.04.

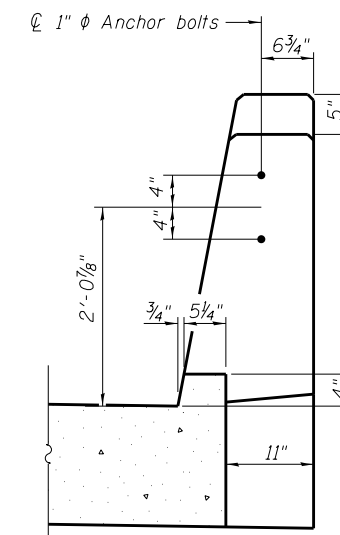
MINIMUM BAR LAP

- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #8 bar = 4'-9"



DETAIL A

\varnothing 1" \emptyset Anchor bolts



VIEW B-B

(Sheet 1 of 2)

HRG PROJECT NO.: 881028
 HRG PROJ CONTACT: 3818 Str. Approach Slab.dgn
 FILE NAME: IL.pdf, bw, dft, etc
 PLOT DRIVER: pld-habel.tbl
 PEN TABLE:

HRGreen.com
 Professional Design Firm
 #184-001322

USER NAME = whood	DESIGNED - SLS	REVISED -
DRAWN - WJH	CHECKED - SLS	REVISED -
PLOT SCALE =	DATE - 8/7/2020	REVISED -
PLOT DATE = 9/3/2020		

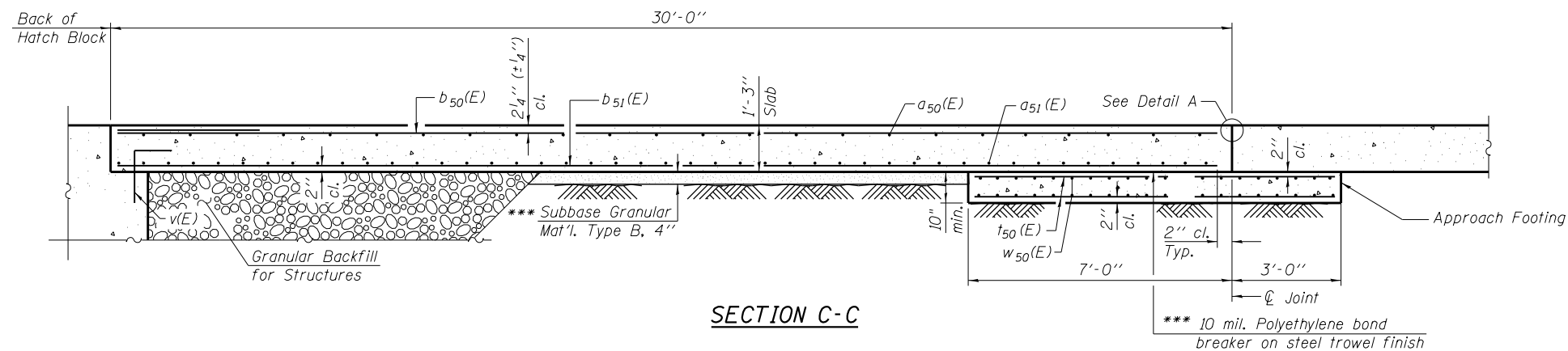
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOUTH APPROACH SLAB
 SN: 047-3175**

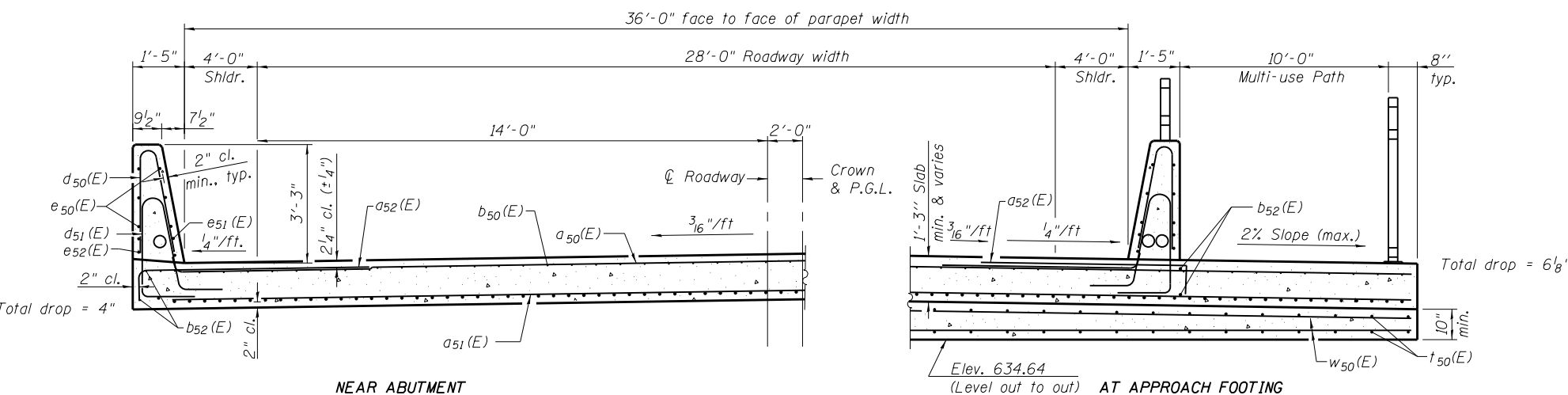
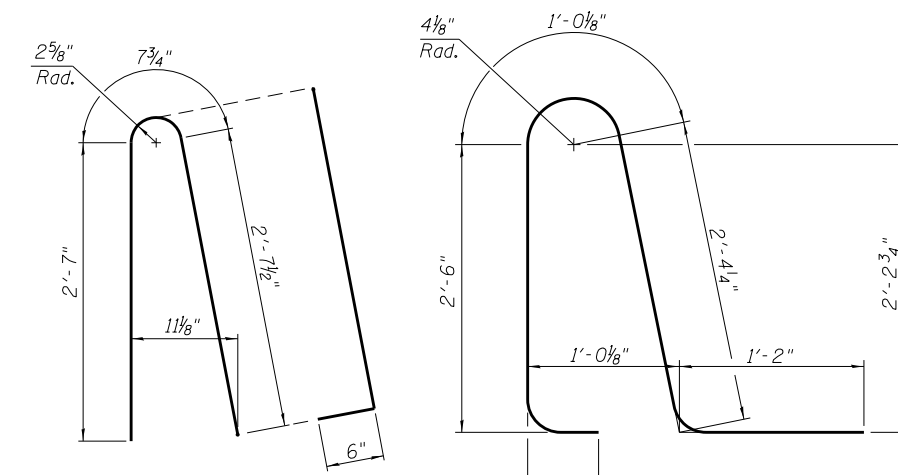
SHEET NO. S-27 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	199
CONTRACT NO. 87731				

ILLINOIS FED. AID PROJECT



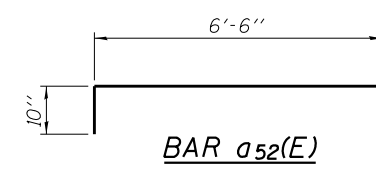
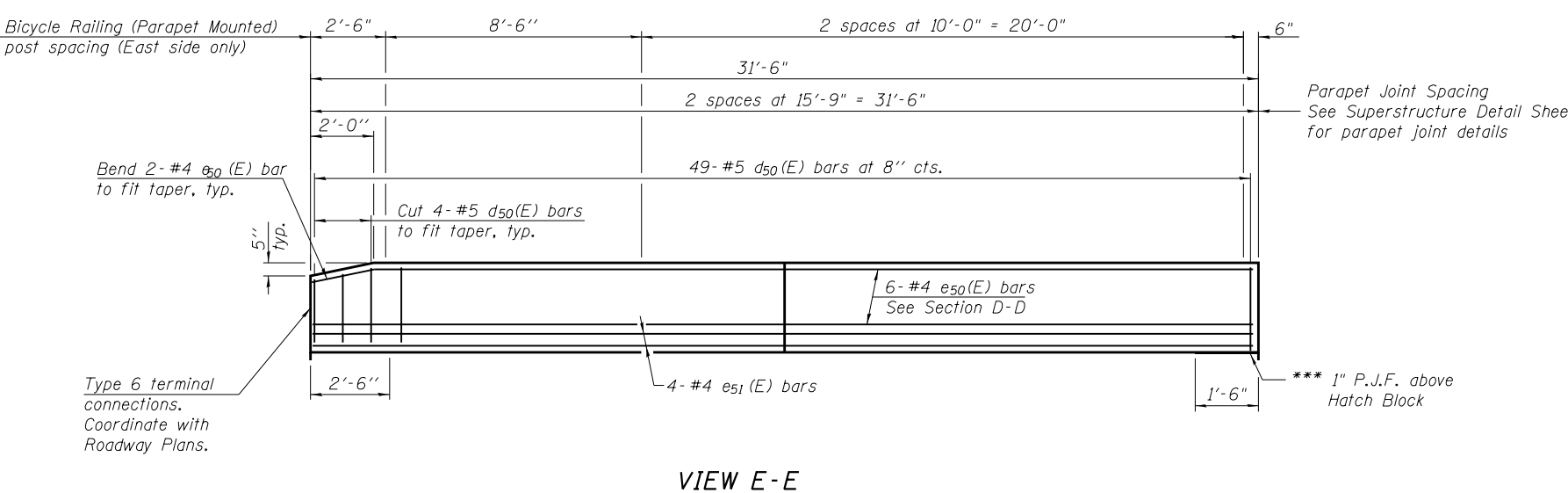
Notes:
 See sheet S-27 for Detail A and View B-B.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet S-51.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 For bar splicer details, see sheet S-67.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet S-3.
 For additional parapet details, see sheet S-21.



BAR d50(E)
 BAR d51(E)
 *** Cost included with Concrete Superstructure (Approach Slab).

**SOUTH APPROACH
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a50 (E)	92	#5	26'- 3"	—
a51 (E)	120	#8	27'- 0"	—
a52 (E)	92	#5	7'- 4"	└
b50 (E)	73	#5	29'- 8"	—
b51 (E)	118	#9	29'- 8"	—
b52 (E)	4	#5	29'- 8"	—
d50 (E)	98	#5	6'- 5"	└
d51 (E)	94	#5	8'- 2"	└
e50 (E)	24	#4	15'- 5"	—
e51 (E)	8	#4	31'- 2"	—
t50 (E)	102	#4	9'- 8"	—
w50 (E)	80	#5	26'- 4"	—
Concrete Superstructure		Cu Yd	8.2	
Concrete Superstructure (Approach Slab)		Cu Yd	68.8	
Concrete Structures		Cu Yd	19.9	
Bridge Deck Grooving		Sq Yd	112.0	
Reinforcement Bars, Epoxy Coated		Pound	30,880	



VIEW E-E

(Sheet 2 of 2)

HRG PROJECT NO.: 881028
 HRG PROJ. CONTACT: 3818 S. Tr. Approach/01/01/2020.dgn
 FILE NAME: IL_PDF.dwg
 PLOT DRIVER: pldtbl.tbl
 PEN TABLE:

HRGreen.com
 Professional Design Firm
 #184-001322

USER NAME = whood	DESIGNED - SLS	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/3/2020	CHECKED - SLS	REVISED -
	DATE - 8/7/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOUTH APPROACH SLAB DETAILS
 SN: 047-3175**

SHEET NO. S-28 OF S-72 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4000	19-00153-00-BR	KENDALL	485	200
CONTRACT NO.			87731	
ILLINOIS FED. AID PROJECT				