

LEGEND

- PCC SIDEWALK 5 INCH
AGG BASE CSE, TY B 4"
- DETECTABLE WARNING

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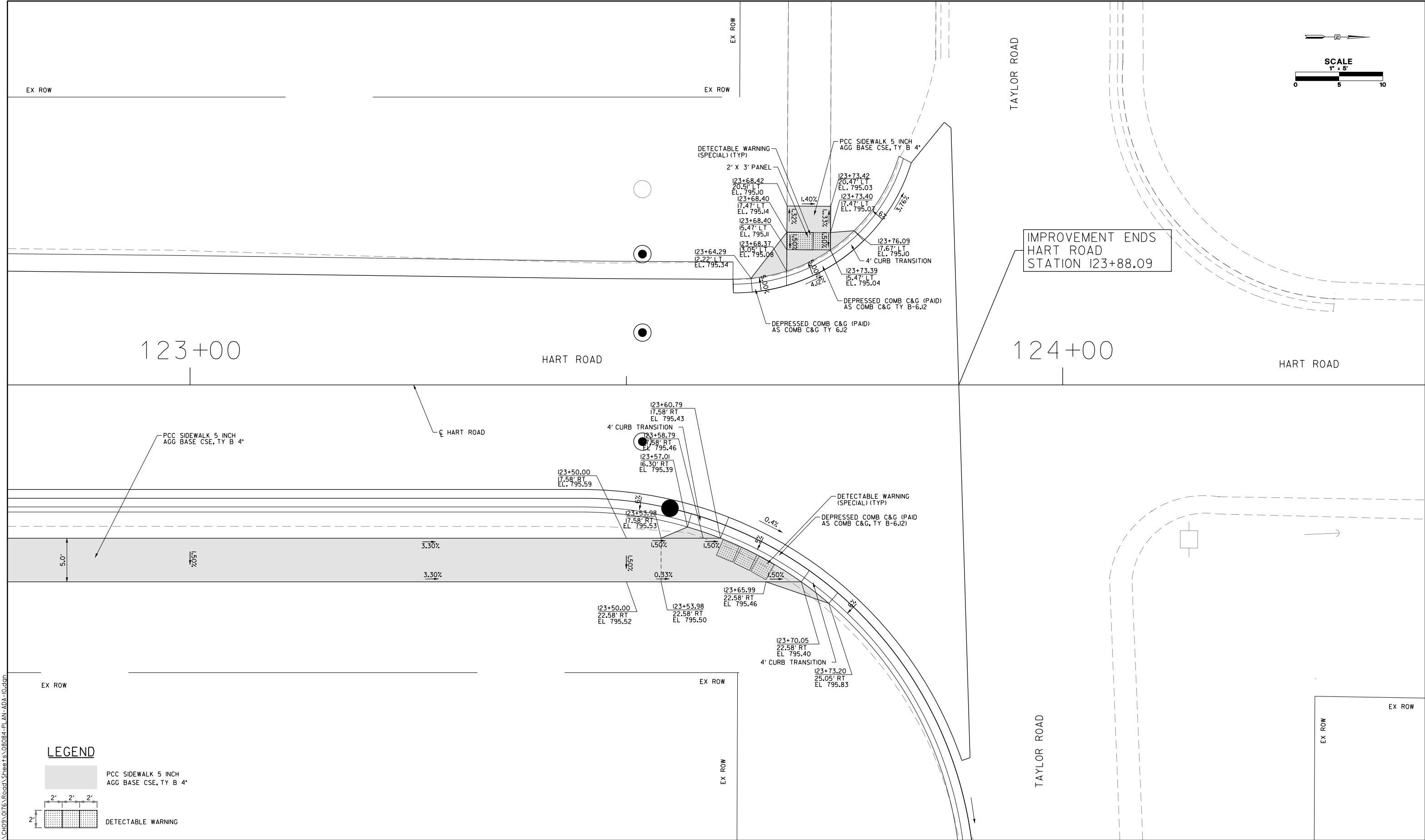
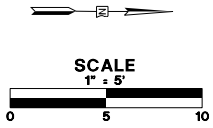
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: 1/8" = 1' SHEET 11 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	101
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



IMPROVEMENT ENDS
HART ROAD
STATION 123+88.09

LEGEND

PCC SIDEWALK 5 INCH
AGG BASE CSE, TY B 4"

DETECTABLE WARNING

FILE NAME: G:\CH09\0176\Road\Sheet\108084-PLAN-ADA-10.dwg



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

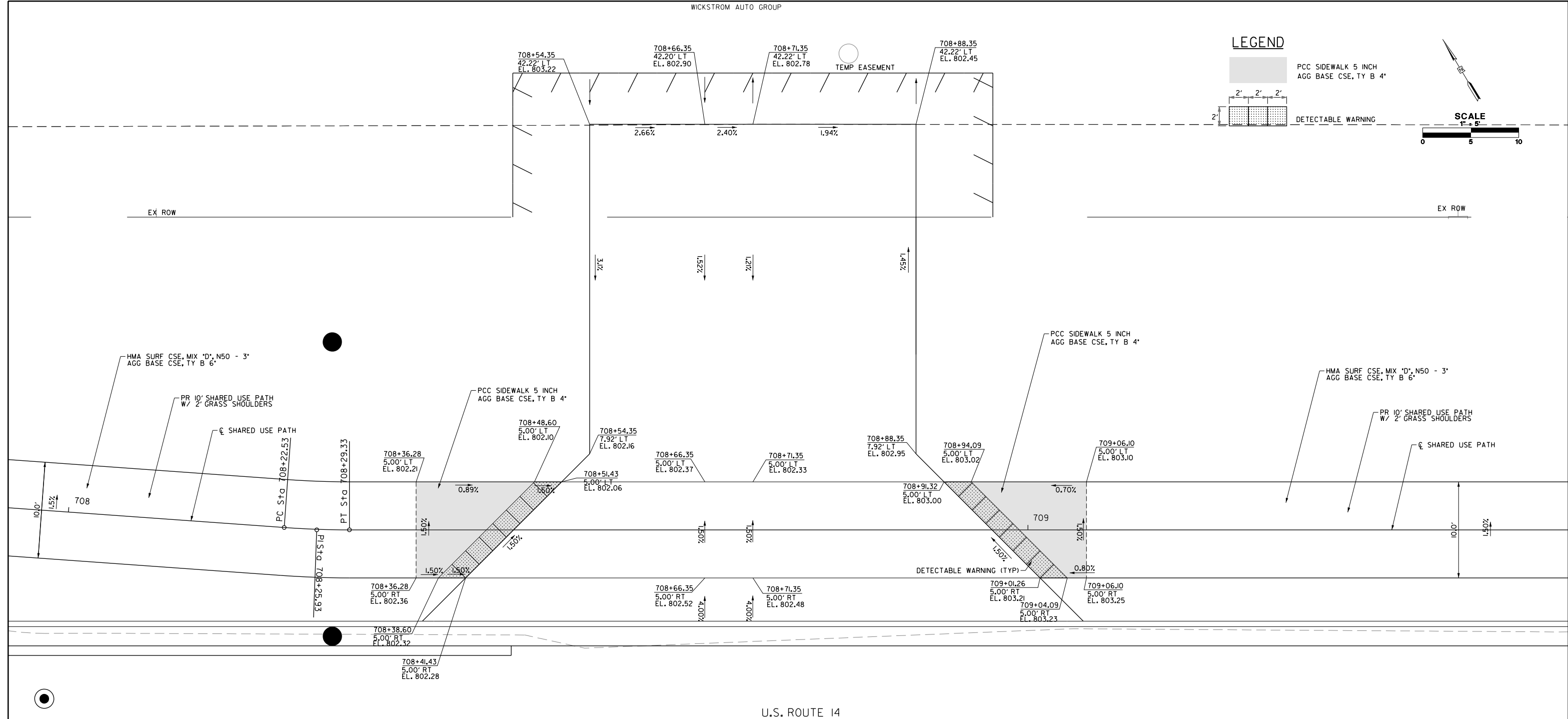
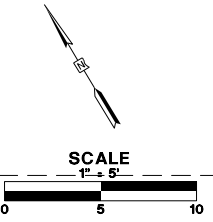
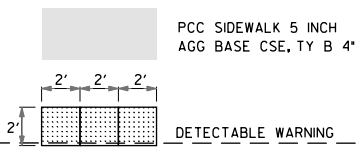
**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: 1/10 SHEET 12 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	102
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

WICKSTROM AUTO GROUP

LEGEND



FILE NAME: G:\CH09\0176\Road\Sheet\108084-PLAN-ADA-10A.dgn



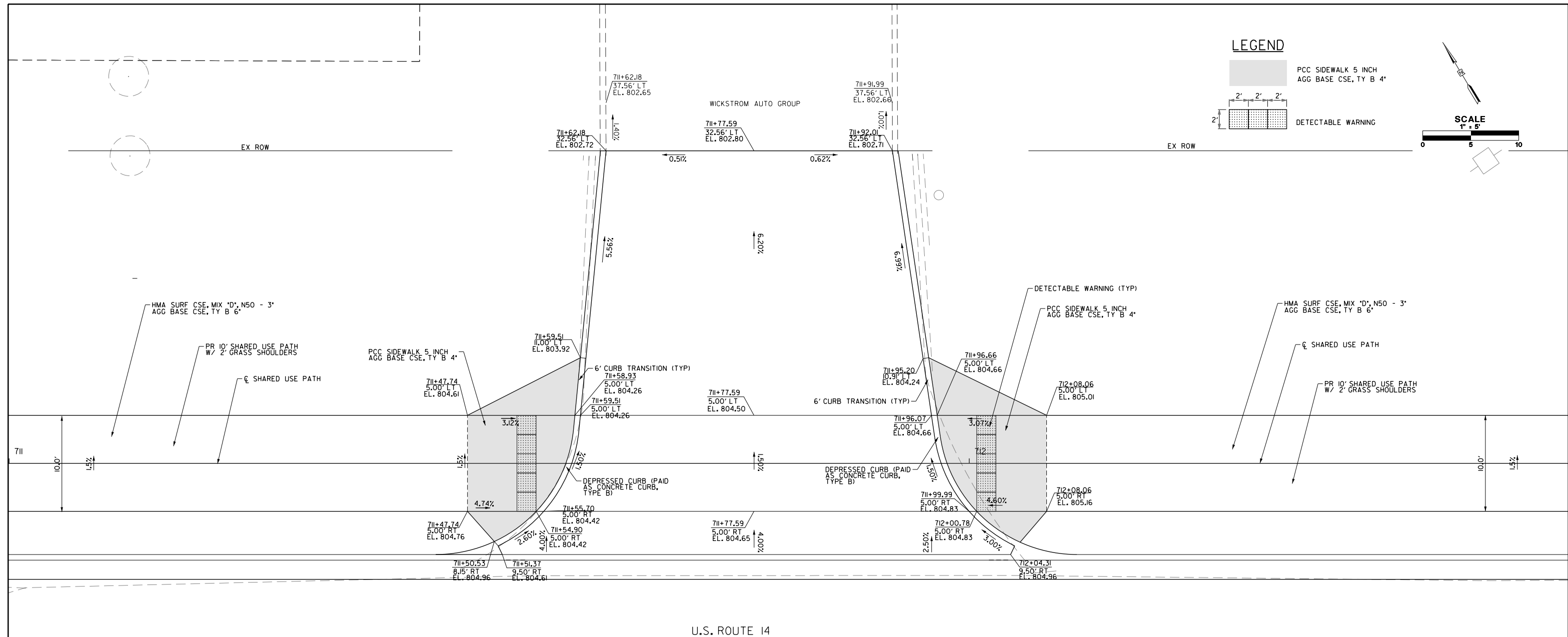
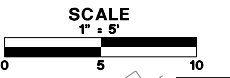
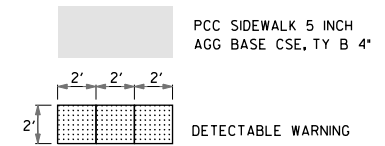
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PLOT SCALE = 10.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB RAMP DETAIL INTERSECTIONS PAVING PLAN			
SCALE: H/O	SHEET 13 OF 19 SHEETS	STA.	TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	103
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

LEGEND



FILE NAME: G:\CH09\0176\Road\Sheets\108084-PLAN-ADA-10B.dgn



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PLOT SCALE = 10.00' / 1" =	DRAWN - AMK	REVISED -
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	DATE - 5/22/2019	REVISED -

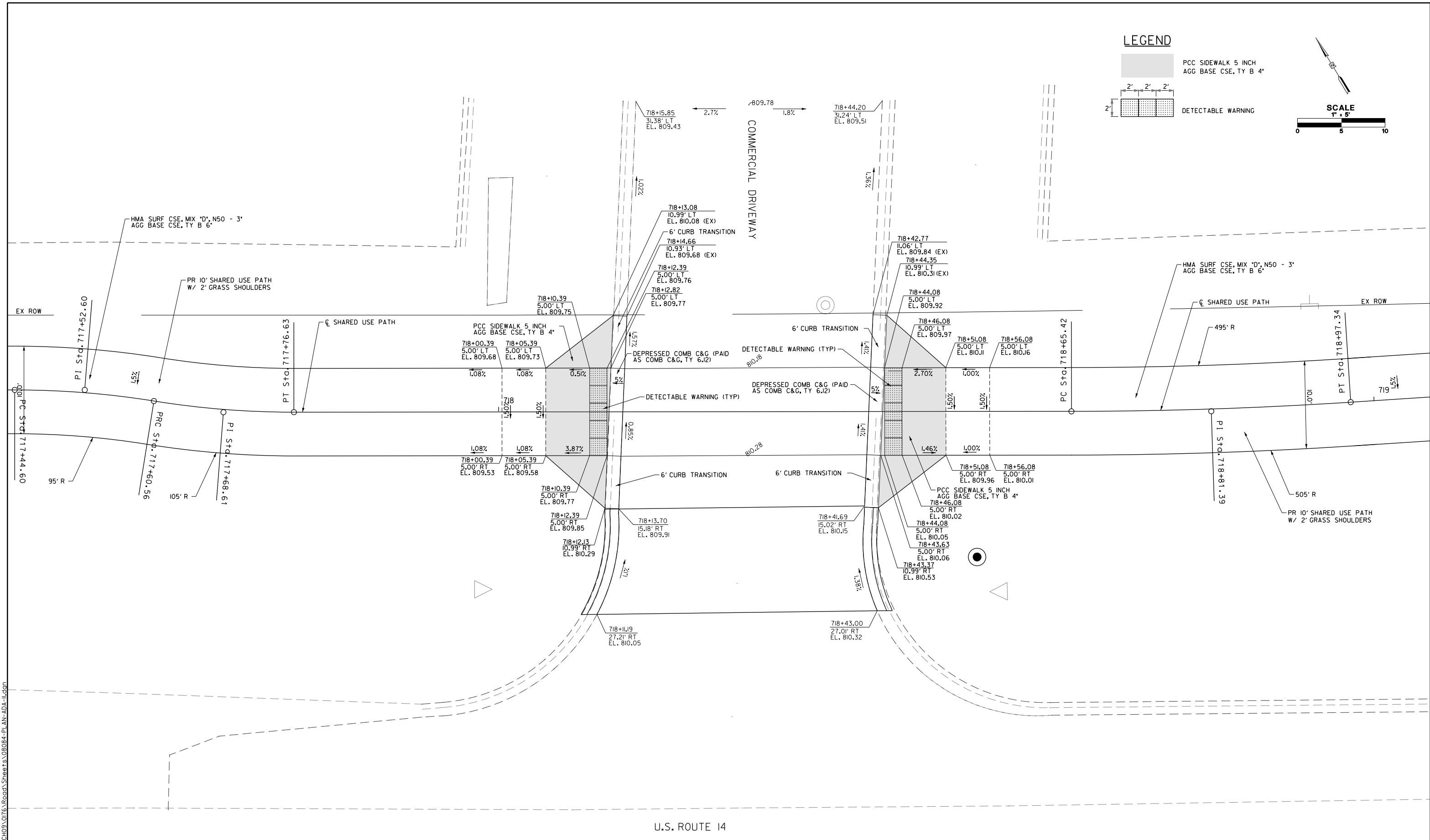
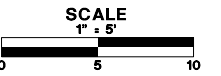
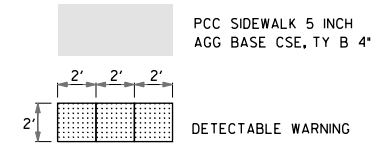
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: H/O SHEET 14 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	104
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

LEGEND



FILE NAME: G:\CH09\0176\Road\Sheet\108084-PLAN-ADA-11.dgn



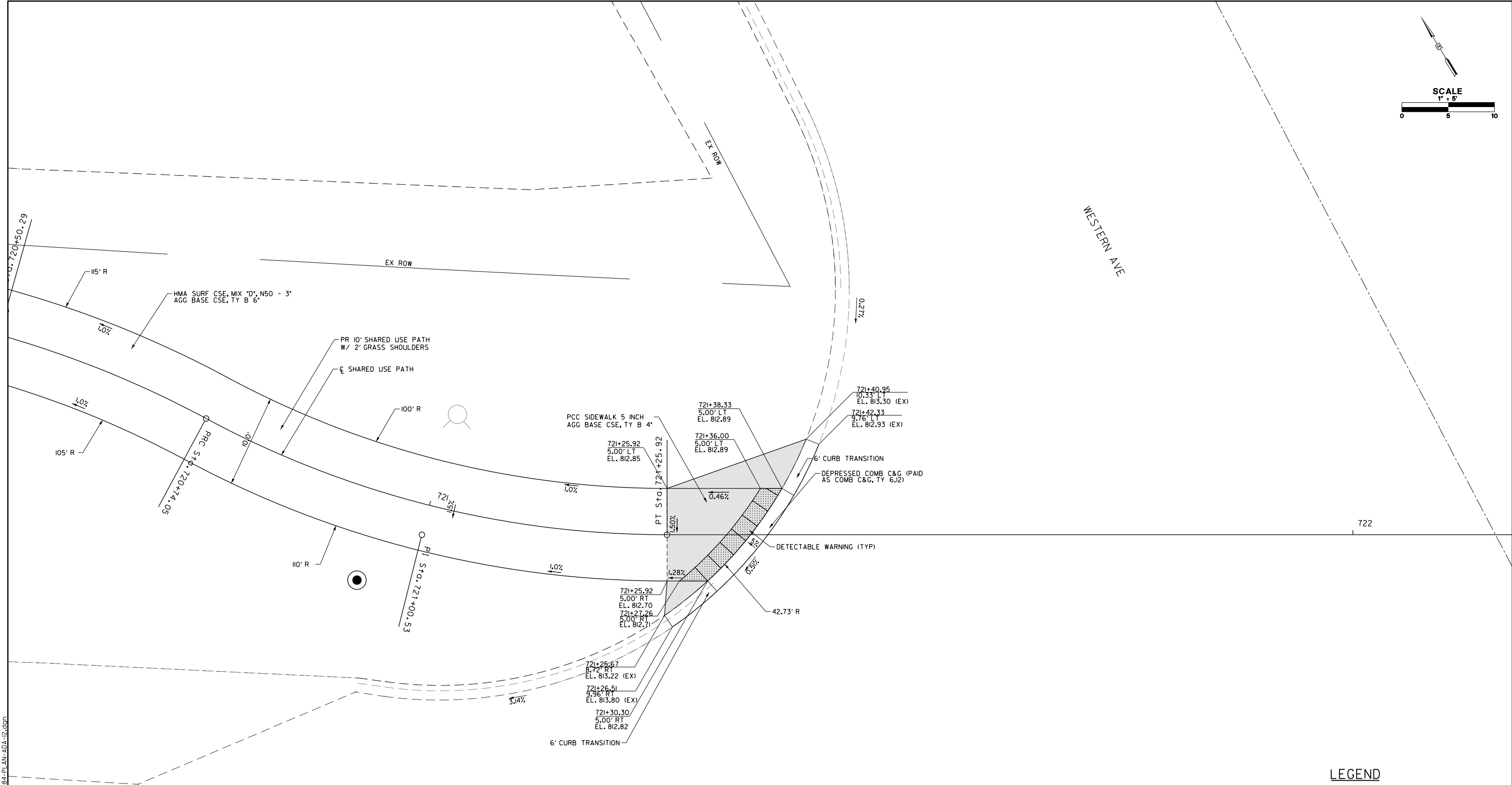
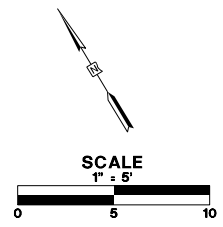
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

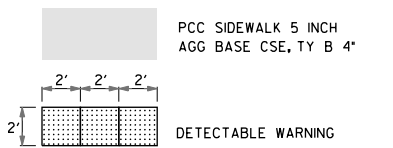
**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: H/O SHEET 15 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	105
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



LEGEND



U.S. ROUTE 14

FILE NAME: G:\CH09\0176\Road\Sheets\108084-PLAN-ADA-12.dgn



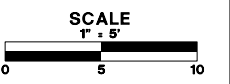
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: 1/10 SHEET 16 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	106
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

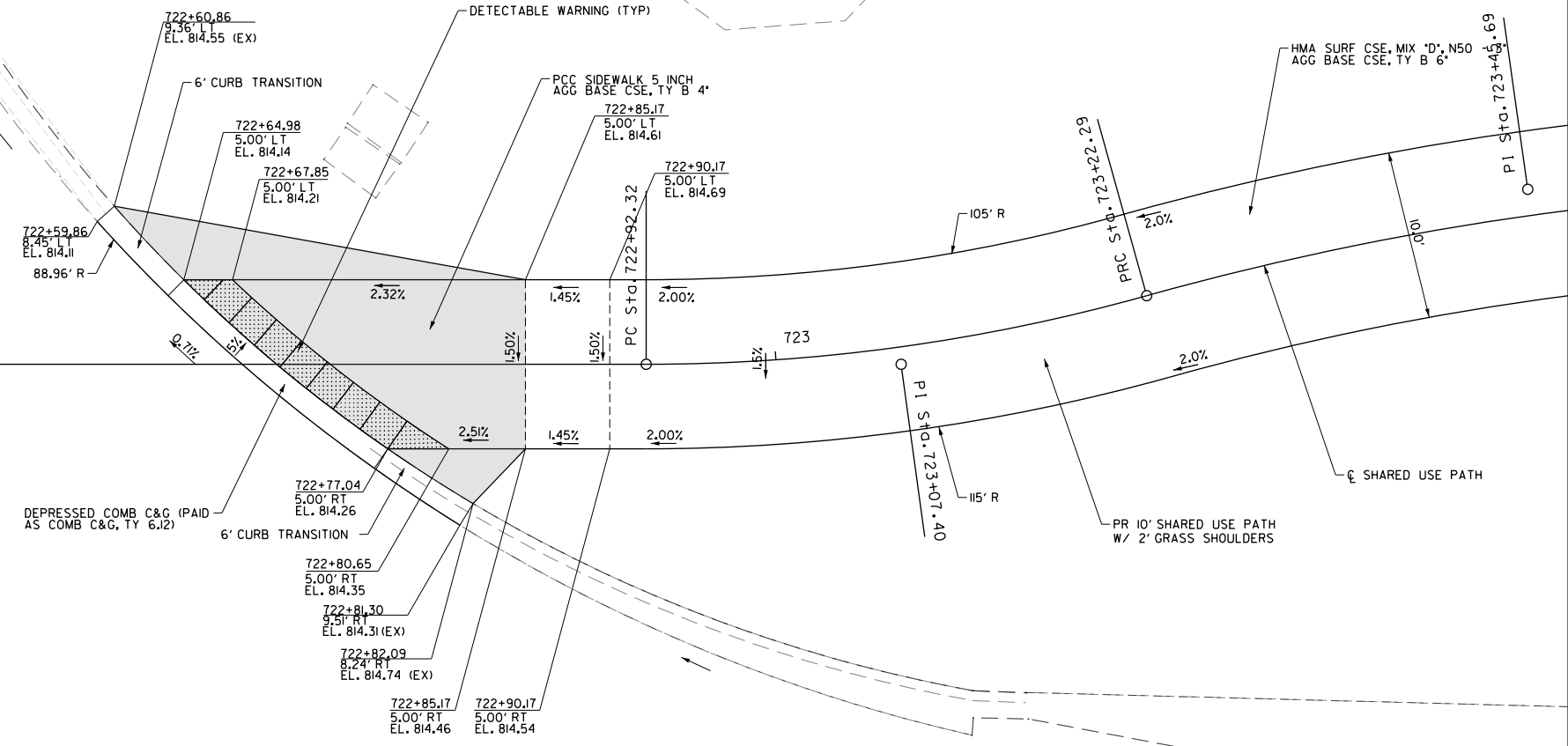


WESTERN AVE

EX ROW

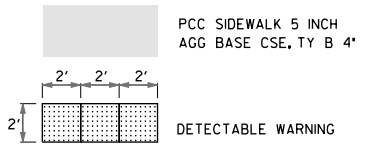
TEMP EASEMENT

EX ROW



U.S. ROUTE 14

LEGEND



FILE NAME: G:\CH09\0176\Road\Sheet\108084-PLAN-ADA-13.dgn



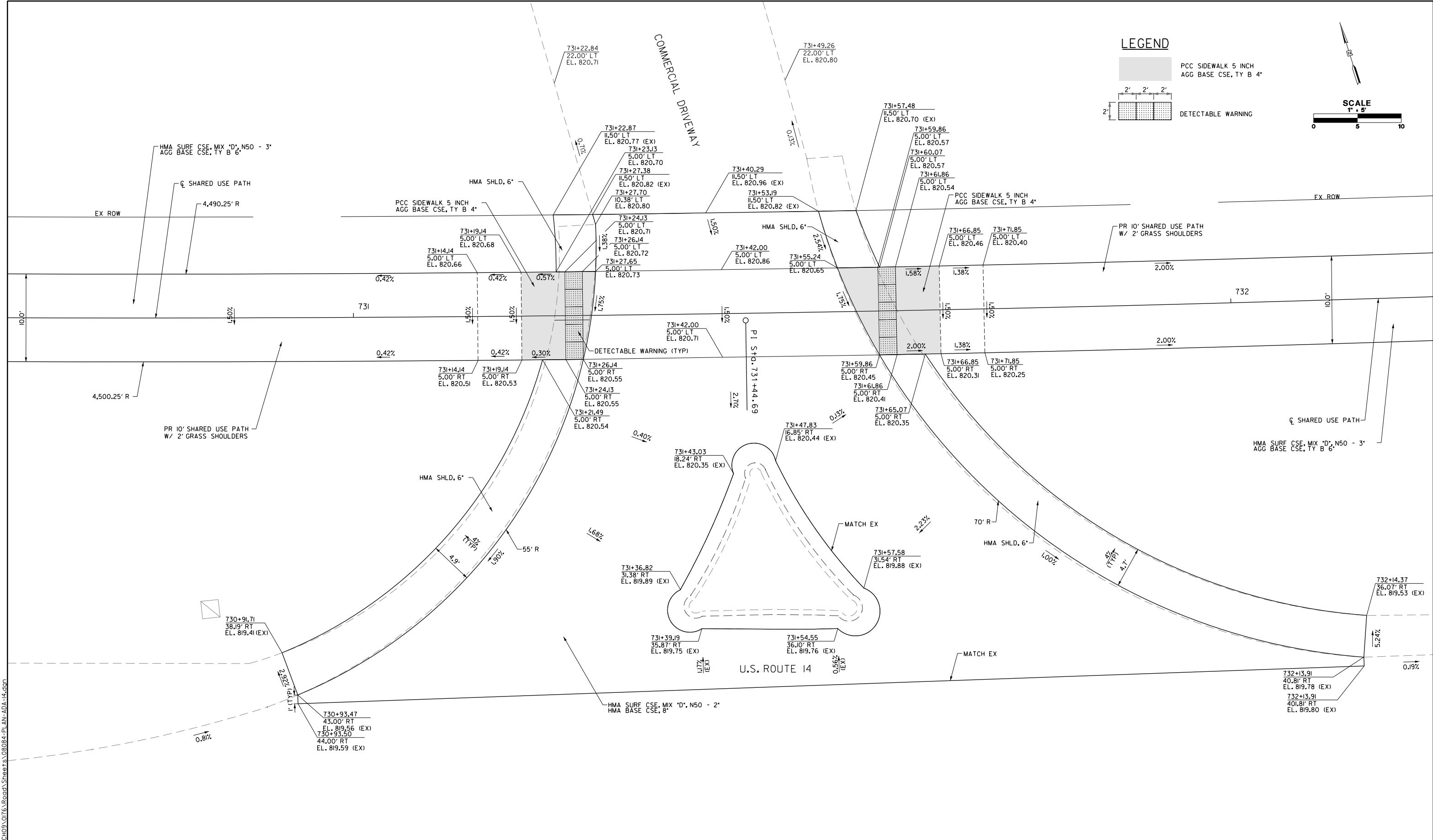
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: H/O SHEET 17 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	107
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



FILE NAME: G:\CH09\0176\Road\Sheet\180804-PLAN-ADA-14.dgn



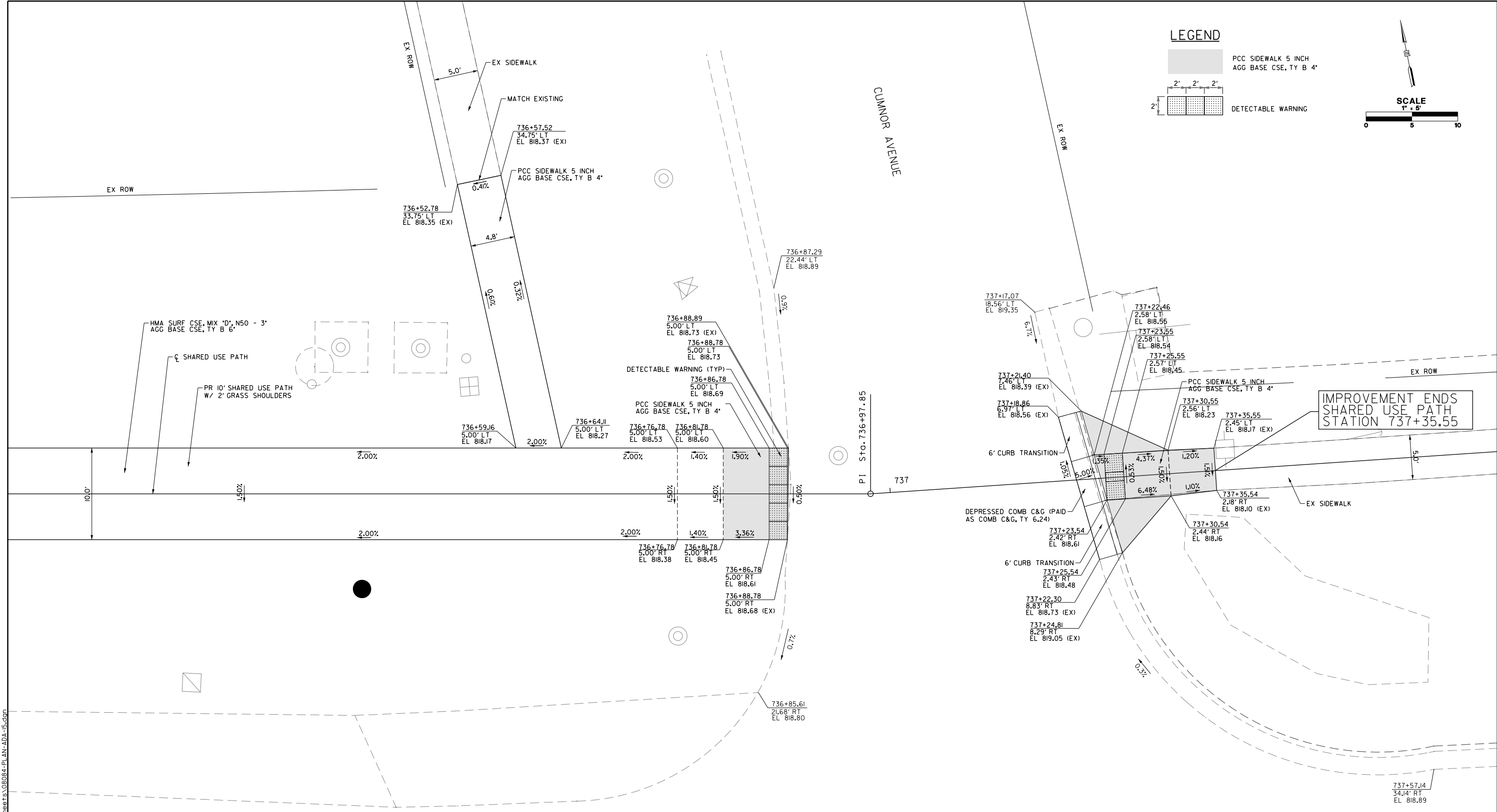
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

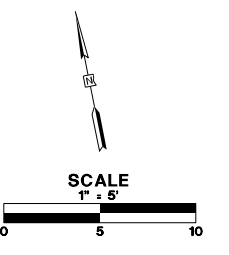
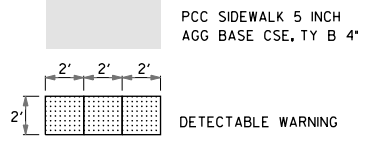
**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: 1/10" = 1' SHEET 18 OF 19 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	108
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



LEGEND



IMPROVEMENT ENDS
SHARED USE PATH
STATION 737+35.55

U.S. ROUTE 14

FILE NAME: G:\CH09\0176\Road\Sheet\15\08084-PLAN-ADA-15.dgn



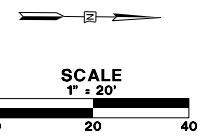
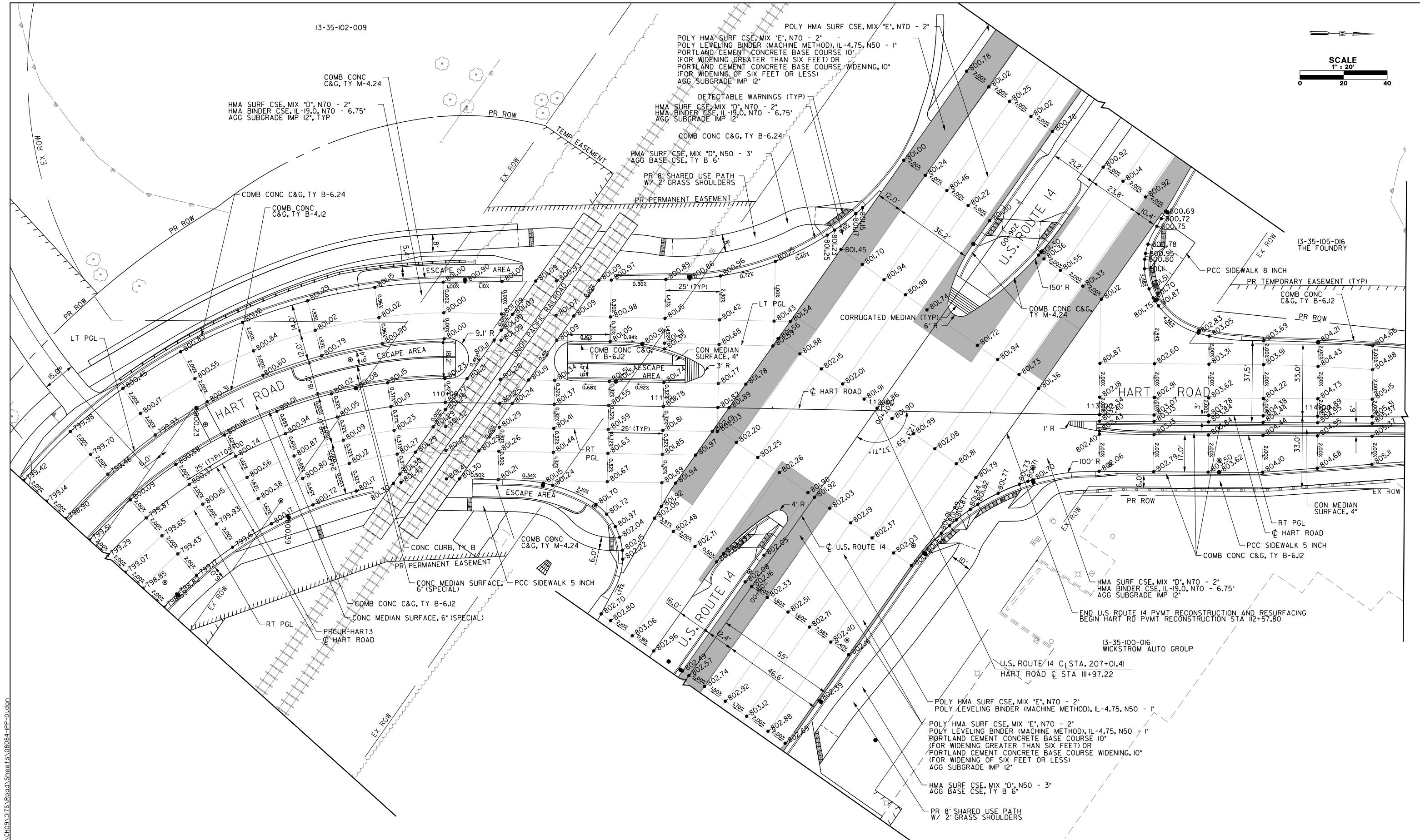
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAIL
INTERSECTIONS PAVING PLAN**

SCALE: 1/8" = 1' SHEET 19 OF 19 SHEETS STA. TO STA.

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	109
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



FILE NAME: G:\CH09\0176\Road\Sheet\108084-1P-01.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
INTERSECTION PAVING AND GRADING DETAIL**

SCALE: 1/2" = 1' SHEET 1 OF 2 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	110
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

FILE NAME: G:\CH09\0176\Road\Sheets\108084-IPP-02-SUPER.dgn

NORTHBOUND LEFT OF PGL			CURVE HART 1 (NORTHBOUND)		NORTHBOUND RIGHT OF PGL		
EOP EL	PAVT WIDTH	LT CROSS SLOPE	PGL RIGHT EL	STATION	RT CROSS SLOPE	PAVT WIDTH	EOP EL
			804.26	99+84.00	4.00%	14.0'	804.82
			804.18	100+00.00	4.00%	14.0'	804.74
TRANSITION							
			804.10	100+18.25	4.00%	14.0'	804.66
			804.06	100+25.00	3.72%	14.0'	804.58
			803.94	100+50.00	2.68%	14.0'	804.32
			803.86	100+66.41	2.00%	14.0'	804.14
			803.82	100+75.00	1.64%	14.0'	804.05
			803.70	101+00.00	0.61%	14.0'	803.78
803.63	1.4'	0.00%	803.63	101+14.57	0.00%	14.0'	803.63
803.59	2.7'	0.42%	803.58	101+25.00	-0.43%	14.0'	803.52
803.54	5.5'	1.42%	803.46	101+50.00	-1.47%	14.0'	803.25
803.53	6.9'	2.00%	803.39	101+62.73	-2.00%	14.0'	803.11

LEFT OF PGL			CURVE HART 1 (SOUTHBOUND)	
EOP EL	PAVT WIDTH	LT CROSS SLOPE	PGL RIGHT EL	STATION
803.70	14.0'	-4.00%	804.26	99+84.00
803.60	14.4'	-4.00%	804.18	100+00.00
TRANSITION				
803.49	15.2'	-4.00%	804.10	100+18.25
803.49	15.5'	-3.67%	804.06	100+25.00
803.51	16.3'	-2.67%	803.94	100+50.00
803.53	16.7'	-2.00%	803.86	100+66.41

NORTHBOUND LEFT OF PGL					CURVE HART 3 (NORTHBOUND)		NORTHBOUND RIGHT OF PGL			
EOP EL	PAVT WIDTH	LT CROSS SLOPE	CENTER OF LEFT TURN LANE EL	PAVT WIDTH	LT CROSS SLOPE	PGL RIGHT EL	STATION	RT CROSS SLOPE	PAVT WIDTH	EOP EL
797.06	11.0'	-2.00%	797.28	11.0'	2.00%	797.06	106+00.00	-2.00%	20.5'	796.65
796.90	11.0'	-2.00%	797.12	11.0'	2.00%	796.90	106+25.00	-2.00%	22.2'	796.46
796.85	11.0'	-2.00%	797.07	11.0'	2.00%	796.85	106+50.00	-2.00%	23.8'	796.37
796.88	11.0'	-2.00%	797.10	11.0'	2.00%	796.88	106+75.00	-2.00%	24.0'	796.40
797.02	11.0'	-2.00%	797.24	11.0'	2.00%	797.02	107+00.00	-2.00%	24.0'	796.54
TRANSITION										
797.03	11.0'	-2.00%	797.25	11.0'	2.00%	797.03	107+01.90	-2.00%	24.0'	796.55
797.34	11.0'	-1.10%	797.46	11.0'	2.00%	797.24	107+25.00	-2.00%	24.0'	796.76
797.77	11.0'	-0.13%	797.78	11.0'	2.00%	797.56	107+50.00	-2.00%	24.0'	797.08
797.83	11.0'	0.00%	797.83	11.0'	2.00%	797.61	107+53.38	-2.00%	24.0'	797.13
798.29	11.0'	0.84%	798.20	11.0'	2.00%	797.98	107+75.00	-2.00%	24.0'	797.50
798.90	11.0'	1.81%	798.70	11.0'	2.00%	798.48	108+00.00	-2.00%	24.0'	798.00
FULL SUPER										
799.03	11.0'	2.00%	798.81	11.0'	2.00%	798.59	108+04.86	-2.00%	23.0'	798.13
799.51	11.0'	2.00%	799.29	11.0'	2.00%	799.07	108+25.00	-2.00%	24.0'	798.59
800.09	11.0'	2.00%	799.87	11.0'	2.00%	799.65	108+50.00	-2.00%	24.0'	799.17
800.59	11.0'	2.00%	800.37	11.0'	2.00%	800.15	108+75.00	-2.00%	24.0'	799.67
TRANSITION										
800.85	11.0'	2.00%	800.63	11.0'	2.00%	800.41	108+90.21	-2.00%	24.0'	799.93
800.92	11.0'	1.62%	800.74	11.0'	1.62%	800.56	109+00.00	-1.62%	24.0'	800.17
801.01	11.0'	0.65%	800.94	11.0'	0.65%	800.87	109+25.00	-0.65%	24.0'	800.71
801.03	11.0'	0.00%	801.03	11.0'	0.00%	801.03	109+41.69	0.00%	24.0'	801.03
801.02	11.0'	-0.32%	801.05	11.0'	-0.32%	801.09	109+50.00	0.32%	24.0'	801.17
800.95	11.0'	-1.13%	801.08	11.0'	-1.13%	801.20	109+70.78	1.13%	24.0'	801.47

LEFT OF PGL			CURVE HART 3 (SOUTHBOUND)	
EOP EL	PAVT WIDTH	LT CROSS SLOPE	PGL LEFT EL	STATION
796.52	26.0'	-2.00%	797.04	106+00.00
796.36	26.0'	-2.00%	796.88	106+25.00
796.29	26.0'	-2.00%	796.81	106+50.00
796.32	26.0'	-2.00%	796.84	106+75.00
796.43	26.0'	-2.00%	796.95	107+00.00
TRANSITION				
796.45	26.0'	-2.00%	796.97	107+01.90
796.87	26.0'	-1.10%	797.16	107+25.00
797.43	26.0'	-0.13%	797.46	107+50.00
797.51	26.0'	0.00%	797.51	107+53.38
798.08	26.0'	0.84%	797.86	107+75.00
798.81	26.0'	1.81%	798.34	108+00.00
FULL SUPER				
798.96	26.0'	2.00%	798.44	108+04.86
799.42	26.0'	2.00%	798.90	108+25.00
799.98	26.0'	2.00%	799.46	108+50.00
800.45	26.0'	2.00%	799.93	108+75.00
800.83	26.0'	2.00%	800.31	109+00.00
801.12	26.0'	2.00%	800.60	109+25.00
TRANSITION				
801.30	26.0'	2.00%	800.78	109+48.20
801.29	26.0'	1.93%	800.79	109+50.00
801.15	26.0'	0.96%	800.90	109+75.00
801.00	26.0'	0.00%	801.00	109+99.68
801.00	26.0'	-0.01%	801.00	110+00.00
800.86	26.0'	-0.87%	801.09	110+22.07



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 20.000' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HART ROAD
SUPERELEVATION TABLES**

SCALE: 1:20 SHEET 2 OF 2 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	III
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

LCDOT TRAFFIC CONTROL AND PROTECTION GENERAL NOTES:

1. APPLICABLE STANDARDS

IDOT STANDARDS: 701001-02, 701006-05, 70101-05, 70106-02, 701301-04, 701311-03, 701421-08, 701426-09, 701427-05, 701501-06, 701701-10, 701901-07, 704001-08, 780001-05, 782006-01

LCDOT STANDARDS: LC7000, LC7004, LC7200, LC7201, LC7202, LC7802, LC7803

IDOT DISTRICT ONE DETAILS: TC-10, TC-13, TC-16, TC-22, TC-26

2. NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND AS SHOWN ON THE PLANS.

3. THE PERMANENT TRAFFIC CONTROL SHOWN ON THE PLANS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE ABOVE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE LUMP SUM PAY ITEM TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS.

4. ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE WARNING SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS ON FLUORESCENT ORANGE REFLECTIVE SHEETING.

5. ALL CONSTRUCTION SIGNS, BARRICADES AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR.

THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF FOUR WEIGHTED SAND BAGS ON EACH TYPE III BARRICADE.

6. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.

7. THE SIGN SPACING FOR THE ABOVE HIGHWAY STANDARDS SHALL BE ACCORDING TO THE SIGN SPACING TABLE SHOWN ON THIS TRAFFIC CONTROL PLAN.

8. ROAD NAME PLATES SHALL BE INSTALLED ON THE "ROAD WORK AHEAD" SIGNS AT THE INTERSECTIONS SHOWN ON THIS TRAFFIC CONTROL PLAN. THE ROAD NAME PLATES SHALL BE 9 INCH BLANKS WITH 6 INCH UPPERCASE AND 5 INCH LOWERCASE LETTERING. THE ROAD NAME PLATES SHALL BE FURNISHED BY THE CONTRACTOR.

9. "ROAD WORK AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.

10. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE GRADE DIFFERENCE BETWEEN ADJACENT LANES SHALL BE LIMITED TO A MAXIMUM OF 1.5 INCHES. THE GRADE DIFFERENCE MAY BE INCREASED TO A MAXIMUM OF 3 INCHES WITH THE FOLLOWING:

- A 3:1 OR FLATTER SLOPE IS PROVIDED BETWEEN LANES.
- WRITTEN APPROVAL FROM THE ENGINEER.

TRAFFIC CONTROL AND PROTECTION PROJECT GENERAL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO 11' THRU LANES IN EACH DIRECTION ON US 14 UNLESS OTHERWISE NOTED ON THE PLANS. SEE PLANS FOR HART ROAD MAINTENANCE OF TRAFFIC.

2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS, LAKE COUNTY STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.

4. TEMPORARY LANE CLOSURES FOR ANY REASON ALONG HART ROAD SHALL BE RESTRICTED TO THE HOURS OF 9:00 AM TO 3:00 PM ON WEEKDAYS IF APPROVED BY THE ENGINEER 48 HOURS IN ADVANCE. TEMPORARY LANE CLOSURES ALONG US ROUTE 14 SHALL FOLLOW THE ALLOWABLE HOURS AS SPECIFIED IN THE SPECIAL PROVISION "KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC".

5. TYPE II BARRICADES AND VERTICAL BARRICADES SHALL BE EQUIPPED WITH MONODIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED CONSTRUCTION WORK ZONE, AT 25' INTERVALS IN CURVES, AND AT 20' INTERVALS IN TAPER SECTIONS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES SHALL HAVE A MINIMUM REFLECTORIZED AREA OF 288 SQUARE INCHES.

TRAFFIC CONTROL AND PROTECTION PROJECT GENERAL NOTES (CONT.):

6. ALL DRIVEWAYS SHALL BE OPEN FOR TRAFFIC DURING CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.

7. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS EITHER PAVEMENT MARKING REMOVAL - GRINDING, PAVEMENT MARKING REMOVAL - WATER BLASTING, OR TEMPORARY PAVEMENT MARKING REMOVAL.

8. TEMPORARY PAVEMENT MARKING PAINT SHALL BE USED ON ALL PAVEMENT WEARING SURFACES. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED IF THE CONSTRUCTION SEASON CONTINUES THROUGH THE WINTER.

9. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR REPLACEMENT AND REPAIRS HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE FIRST REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

10. TEMPORARY PAVEMENT SHALL ADHERE TO THE TEMPORARY PAVEMENT SPECIAL PROVISION. TEMPORARY PAVEMENT SHALL CONSIST OF 2 INCHES OF HMA SURFACE COURSE AND 6 INCHES OF HMA BINDER COURSE ON 4 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT OR 7.25 INCHES OF PCC PAVEMENT ON 4 INCHES OF STABILIZED SUBBASE. CONTRACTOR'S CHOICE. EITHER PAVEMENT TYPE IS INCLUDED IN THE COST OF TEMPORARY PAVEMENT.

11. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION.

13. ALL CONSTRUCTION SIGNS, BARRICADES, AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.

14. CONSTRUCTION OPERATIONS SHOWN IN TRAFFIC CONTROL STAGES 1 THROUGH 3 FOR U.S. ROUTE 14 AND THE NORTH LEG OF HART ROAD ARE TO TAKE PLACE INDEPENDENTLY OF THE CONSTRUCTION OPERATIONS ON THE SOUTH LEG OF HART ROAD. THE DURATION OF CONSTRUCTION OPERATIONS ALONG HART ROAD AND U.S. ROUTE 14 SHALL BE MINIMIZED TO THE EXTENT POSSIBLE.

15. THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT AS PER SECTION 704 OF THE IDOT SUPPLEMENTAL SPECIFICATIONS. THIS WORK SHALL BE PAID FOR AS PINNING TEMPORARY CONCRETE BARRIER. THE TEMPORARY CONCRETE BARRIERS AT EACH END OF AN INSTALLATION SHALL BE PINNED AS PER THE IDOT SPECIFICATIONS AND THE COST OF THIS PINNING WILL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.

16. ALL WORK ON HART ROAD SHALL BE PERFORMED USING THE LAKE COUNTY STANDARDS AS THE FIRST OPTION THEN IDOT STANDARDS IF THERE ARE NO LCDOT STANDARDS THAT APPLY. ALL WORK ON US ROUTE 14 SHALL BE PERFORMED USING IDOT STANDARDS.

17. DETOUR FOR SOUTH LEG OF HART RD CAN ONLY BE IN PLACE WHILE BARRINGTON HIGH SCHOOL IS NOT IN SESSION (I.E. OUT FOR SUMMER BREAK). IT IS ESTIMATED THAT THE HIGH SCHOOL WILL NOT BE IN SESSION FROM APPROXIMATELY MAY 29TH TO APPROXIMATELY AUGUST 17TH. CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE ENGINEER TO DETERMINE THE EXACT DATES. ENGINEER SHALL COORDINATE WITH THE HIGH SCHOOL TO DETERMINE EXACT DATES. THE PENALTY FOR EXCEEDING THE DURATION SHALL BE \$2,300.00 PER CALENDAR DAY

18. THE CONTRACTOR SHALL CONTACT THE DISTRICT I TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

19. STOCKPILES SHALL BE STORED IN AREAS OF THE EXISTING ROADWAY OF THE CLOSED PORTION OF HART ROAD, SOUTH OF THE UNION PACIFIC RAILROAD BETWEEN STA. 103+50 AND STA. 109+00. ACCESS TO THE DRIVEWAY AT STA. 108+60 SHALL NOT BE IMPEDED BY THE PRESENCE OF STOCKPILES.

20. ACCESS TO OAKWOOD DRIVE SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION EVEN WHEN THE DETOUR IS IN PLACE.

21. PRIOR TO THE INSTALLATION OF CURB AND GUTTER SECTIONS, THE CONTRACTOR SHALL COORDINATE WITH THE UNION PACIFIC RAILROAD REGARDING THE LOCATIONS OF RAILROAD WARNING DEVICES AND FOUNDATIONS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL GENERAL NOTES

SCALE: 1:20 SHEET 1 OF 21 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	112
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

PRE-STAGE I

1. MAINTAIN TWO-WAY TRAFFIC FLOW ON U.S. ROUTE 14 (NORTHWEST HIGHWAY) AND ON HART ROAD.
2. THE FOLLOWING SHALL BE COMPLETED USING STANDARD 701421-08 ON US ROUTE 14 AND 70101-10 WITHIN THE INTERSECTION FOR DAYTIME LANE CLOSURES AND LAKE COUNTY STANDARD LC7000 FOR DAY OPERATIONS ON HART ROAD. A MINIMUM OF ONE 11' LANE SHALL BE MAINTAINED IN EACH DIRECTION.
 - A. PERFORM EARTHWORK (FILL) ON THE SOUTH LEG OF HART ROAD ON BOTH THE EAST AND WEST SIDE OF THE ROADWAY IN ALL AREAS WHERE THE WORK CAN BE COMPLETED SAFELY WITHOUT DISRUPTING ROADWAY AND RAILWAY TRAFFIC USING LAKE COUNTY STANDARD LC7000. MOST IMPORTANTLY, FOCUS AND EFFORT SHALL BE CONSTRUCTION OF THE EMBANKMENT ALONG THE WEST SIDE OF HART ROAD FROM THE PRIVATE DRIVEWAY TO THE UPRR SOUTHERNMOST TRACK (APPROXIMATELY STATION 109+00 TO STATION 110+15). IMMEDIATELY AT THE START OF CONSTRUCTION, DUE TO THE POTENTIAL OF SETTLEMENT IN THIS AREA, THE CONTRACTOR SHALL CONSTRUCT THE GROUND IMPROVEMENTS AS SHOWN IN THE SPECIFICATIONS, PLANS AND GEOTECHNICAL REPORT IMMEDIATELY AT THE START OF CONSTRUCTION. THE CONTRACTOR MUST SUBMIT A WORK AND TRAFFIC CONTROL PLAN FOR THIS WORK TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF THIS WORK. THE CONTRACTOR MUST ALSO OBTAIN APPROVAL FROM THE ENGINEER BEFORE PLACING THE AGGREGATE SUBGRADE IMPROVEMENT AND PERFORMING THE FINAL GRADING TO ENSURE THAT THE POTENTIAL FOR FUTURE SETTLEMENT HAS BEEN MITIGATED.
 - B. COORDINATION WITH UNION PACIFIC RAILROAD WILL BE REQUIRED TO DETERMINE WHAT WORK THE CONTRACTOR SHALL HAVE COMPLETED IN ORDER FOR RAILROAD FORCES TO START WORK ON THE RAILROAD CROSSING, SIGNALS, AND GATES. RAILROAD WORK SHALL BE DONE WHILE DETOUR IS IN PLACE.
 - C. CONSTRUCT TEMPORARY PAVEMENT ALONG THE EXISTING INSIDE EDGE OF THE EXISTING PAVEMENT AS SHOWN ON THE PRE STAGE 1 TYPICAL SECTIONS AND STAGING PLANS (SEE SHEETS NO. 114).
 - D. CONSTRUCT THE PROPOSED STORM SYSTEM CROSSING ON THE NORTH LEG OF HART ROAD AT APPROXIMATELY STATION 123+51.85 FROM THE CONNECTION TO THE EXISTING CATCH BASIN AT STATION 123+51.85 (STR. 7-11) TO THE PROPOSED CATCH BASIN AT STATION 123+55.00 (STR. 7-10)
 - E. EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING PRE-STAGE I. INSTALL TEMPORARY TRAFFIC SIGNALS ALONG U.S. ROUTE 14 AT THE HART ROAD INTERSECTION. DE-ENERGIZE AND BAG TEMPORARY TRAFFIC SIGNAL HEADS FOR THE DURATION OF PRE-STAGE I.
3. INSTALL HART ROAD DETOUR AS SHOWN ON THE DETOUR PLAN (SEE SHEET NO. 133) STARTING ON APPROXIMATELY JUNE 6TH OR WHEN BARRINGTON HIGH SCHOOL HAS ADJOURNED FOR THE SUMMER. COORDINATION WITH THE HIGH SCHOOL WILL BE REQUIRED TO DETERMINE THE DAY THAT THE DETOUR CAN BE PUT INTO PLACE. THE DETOUR CANNOT BE IN PLACE WHEN SCHOOL IS IN SESSION.

STAGE I

1. SHIFT TRAFFIC FLOW ON U.S. ROUTE 14 TOWARDS THE MEDIAN ON TO THE TEMPORARY PAVEMENT AS PER THE STAGE I TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS (SEE SHEETS NO. 115 , 117 TO 122).
2. STAGE I TRAFFIC OPERATIONS AT HART ROAD AND U.S. ROUTE 14 INTERSECTION SHALL BE CONTROLLED BY TEMPORARY TRAFFIC SIGNAL INSTALLATION. DE-ENERGIZE BAG AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.
3. WITH DETOUR IN PLACE BEGIN FULL CONSTRUCTION OF THE SOUTH LEG HART ROAD (SOUTH OF U.S. ROUTE 14). MAINTAIN TRAFFIC DETOUR ESTABLISHED AS NOTED IN PRE-STAGE I.
4. PRIOR TO MOVING THE NORTH LEG OF HART ROAD INTO THE STAGE I CONFIGURATION THE CONTRACTOR SHALL FIRST CONSTRUCT THE SLAB OF PAVEMENT WIDENING ON THE NORTH SIDE OF US 14 FROM STA. 205+71 TO STA. 206+46. AFTER THE SLAB IS CONSTRUCTED THE CONTRACTOR SHALL, IF NECESSARY, CONSTRUCT A TEMPORARY PAVEMENT TRANSITION FROM THE SLAB TO THE EXISTING HART ROAD PAVEMENT UTILIZING DAY TIME LANE CLOSURES. CONTRACTOR WILL BE REQUIRED TO INSURE THAT SOUTHBOUND HART RD TO WESTBOUND US 14 TRAFFIC CAN SAFELY AVOID THE WORK ZONE BY MOVING THE SB TRAFFIC LANE TO THE WEST AS NEEDED.
5. CONSTRUCT THE STORM SEWER SYSTEM STARTING AT STA. 204+18 (STR. 9-03) TO STA. 206+13 (STR. 5-27). ALSO CONSTRUCT STORM SEWER STARTING AT STA. 208+50 (STR. 5-25) TO STA. 208+25 (STR. 5-15). UTILIZE DAY TIME CLOSURES TO INSTALL SEWERS AND CLASS D PATCHING ACROSS US 14 TRAFFIC LANES.
6. MOVE TRAFFIC (SB TRAFFIC ONLY SINCE DETOUR IS IN PLACE) ON THE NORTH LEG OF HART ROAD TO THE WEST SIDE AS SHOWN IN THE STAGE I TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS (SEE SHEETS NO. 123 TO 124).
7. INSURE THAT THE STORM SEWER SYSTEM DOWN STREAM OF AND INCLUDING STR. 5-11 IS COMPLETE BEFORE BEGINNING CONSTRUCTION ON THE NORTH LEG OF HART ROAD TO INSURE THERE IS A DRAINAGE OUTLET.
8. CONSTRUCT THE HART ROAD NORTHBOUND LANE BITUMINOUS PAVEMENT (EXCEPT FOR SURFACE COURSE), MEDIAN, RETAINING WALL, LANDSCAPING, SIDEWALK, DRIVEWAYS, STORM SEWER AND CURB AND GUTTER NORTH OF U.S. ROUTE 14 AS SHOWN ON THE STAGE I PLANS AND TYPICAL SECTIONS.
9. CONSTRUCT THE EASTBOUND AND WESTBOUND RIGHT TURN LANES (EXCEPT FOR SURFACE COURSE), OUTSIDE CURB AND GUTTER, STORM SEWER SYSTEM AND SHARED USE PATH AS SHOWN ON THE STAGE I TYPICAL SECTIONS AND STAGING PLANS (SEE SHEETS NO. 115 , 117 TO 122).
10. COMPLETE THE LANDSCAPING ALONG THE NORTH SIDE OF U.S. ROUTE 14. (SEE SHEETS NO. 203 TO 211).
11. DRIVEWAYS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. PCC DRIVEWAYS SHALL BE CONSTRUCTED ONE LANE AT A TIME. HMA DRIVEWAYS SHALL BE CONSTRUCTED ONE HALF AT A TIME WHILE UTILIZING TEMPORARY ACCESS FOR TRAFFIC.
12. CURB AND GUTTER FROM STA. 123+75 TO STA 123+89.90 ON THE SOUTHEAST CORNER OF HART RD AND TAYLOR RD SHALL BE CONSTRUCTED USING DAY TIME LANE CLOSURES.

STAGE 2

1. MAINTAIN DETOUR FOR SOUTHBOUND LEG OF HART ROAD.
2. SHIFT TRAFFIC FLOW ON U.S. ROUTE 14 AWAY FROM THE MEDIAN. AS PER THE STAGE 2 TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS (SEE SHEETS NO. 115 , 125 TO 130). MAINTAIN 3' BETWEEN THE WORK ZONE AND TRAVEL WAY.
3. SHIFT TRAFFIC ON THE NORTH LEG OF HART ROAD TO THE EAST SIDE AS PER THE STAGE 2 TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS (SEE SHEETS NO. 131 TO 132).
4. CONSTRUCT THE PAVEMENT SLAB IN FRONT OF THE PROPOSED MEDIAN NOSE ON THE EAST LEG OF US 14 FROM STA. 207+45 TO STA. 207+63.37. CONTRACTOR SHALL TAKE CARE TO MAKE SURE THAT THE SOUTHBOUND HART RD TO EASTBOUND US 14 TRAFFIC CAN SAFELY AVOID THIS WORK ZONE.
5. THE FOLLOWING SHALL BE COMPLETED USING STANDARD 70101-05, 701421-06, 70101-10 AND 701901-06 AS NEEDED FOR DAYTIME LANE CLOSURES. A MINIMUM OF ONE 11' LANE SHALL BE MAINTAINED IN EACH DIRECTION.
 - A. CONSTRUCT THE EASTBOUND AND WESTBOUND LEFT TURN LANES AND WIDENING, MEDIAN PAVEMENT AND CURB AND GUTTER AS SHOWN ON THE STAGE 2 TYPICAL SECTIONS AND STAGING PLANS (SEE SHEETS NO. 115 , 125 TO 130).
 - B. COMPLETE THE LANDSCAPING IN THE MEDIAN OF U.S. ROUTE 14 (SEE SHEETS NO. 203 TO 211). REMOVE TEMPORARY PAVEMENT PLACED IN PRE-STAGE 1 AND REPLACE WITH AGGREGATE SHOULDERS.
6. CONSTRUCT THE HART ROAD SOUTHBOUND LANE BITUMINOUS PAVEMENT (EXCEPT FOR SURFACE COURSE), LANDSCAPING, DRIVEWAYS, STORM SEWER AND CURB AND GUTTER NORTH OF U.S. ROUTE 14 AS SHOWN ON THE STAGE 2 PLANS AND TYPICAL SECTIONS.

DRIVEWAYS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. PCC DRIVEWAYS SHALL BE CONSTRUCTED ONE LANE AT A TIME. HMA DRIVEWAYS SHALL BE CONSTRUCTED ONE HALF AT A TIME WHILE UTILIZING TEMPORARY ACCESS FOR TRAFFIC.
7. FINISH CONSTRUCTION OF HART ROAD (SOUTH OF U.S. ROUTE 14). MAINTAIN TRAFFIC DETOUR ESTABLISHED PRIOR TO THE BEGINNING OF CONSTRUCTION.
8. PROPOSED TRAFFIC SIGNALS SHALL BE COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE DETOUR. CONTRACTOR SHALL BE REQUIRED TO MAKE SURE THAT THE PROPOSED TRAFFIC SIGNALS CAN BE UTILIZED FOR TRAFFIC CONTROL AT THE INTERSECTIONS ONCE THE DETOUR IS REMOVED. THE CONTRACTOR SHALL NOT BE PAID SEPARATELY OR ADDITIONALLY FOR THIS WORK.
9. INSURE THAT THE DETOUR FOR THE SOUTH LEG OF HART ROAD IS REMOVED PRIOR TO THE START OF SCHOOL AT BARRINGTON HIGH SCHOOL.

STAGE 3

1. THE FOLLOWING SHALL BE COMPLETED USING STANDARD 701421-08 (FOR USE ALONG US ROUTE 14), 70101-10 AND 701901-06 AS NEEDED FOR DAYTIME LANE CLOSURES. A MINIMUM OF ONE 11' LANE SHALL BE MAINTAINED IN EACH DIRECTION.
 - A. REMOVE HMA SURFACE OF U.S. ROUTE 14 EXISTING PAVEMENT.
 - B. COMPLETE PROPOSED SURFACE COURSE ON ENTIRE PROJECT, US 14 AND HART ROAD.
2. INSURE THAT THE DETOUR FOR THE SOUTH LEG OF HART ROAD IS REMOVED PRIOR TO THE START OF SCHOOL AT BARRINGTON HIGH SCHOOL. EXPECTED START DATE IS AUGUST 18, 2020.
3. PRIOR TO OPENING HART ROAD TO TRAFFIC, COMPLETE INSTALLATION OF PROPOSED TRAFFIC SIGNAL EQUIPMENT. ACTIVATE PERMANENT TRAFFIC SIGNAL INSTALLATION UPON TRANSITION FROM STAGE 3 TRAFFIC CONTROL TO PROPOSED CONDITIONS.

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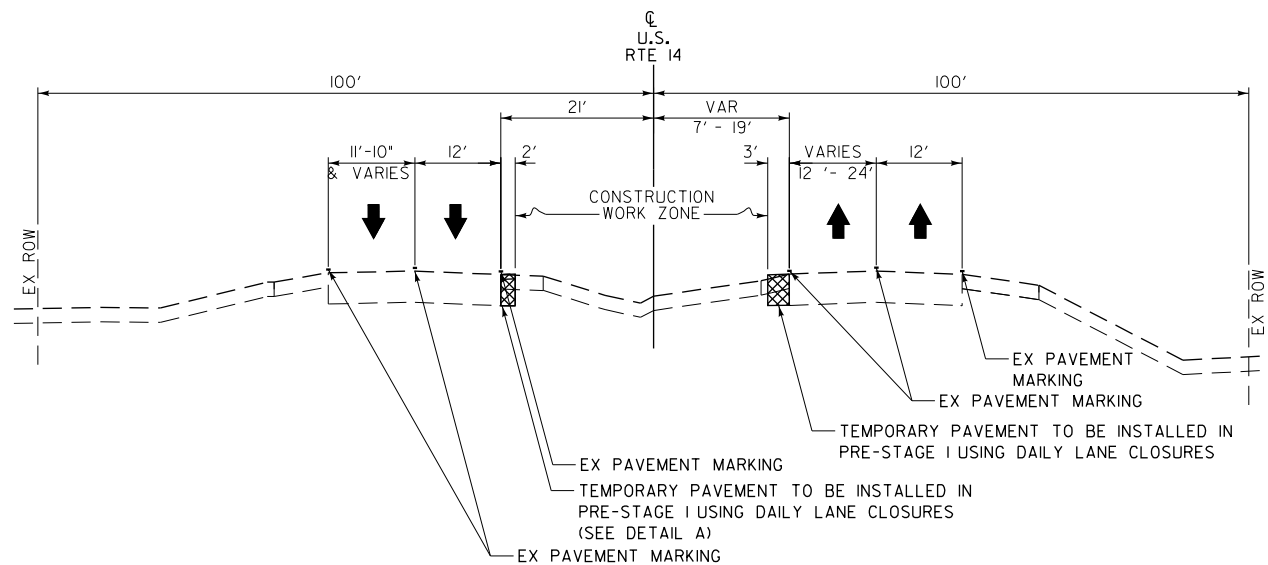
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOTES FOR SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL

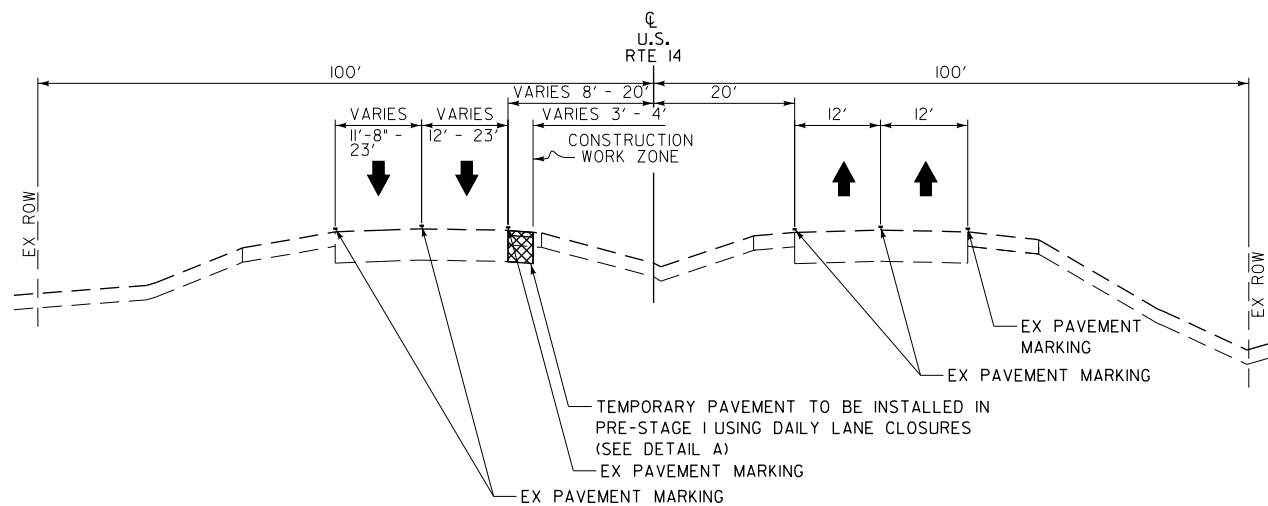
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	113
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D65	



TRAFFIC CONTROL TYPICAL SECTION – PRE-STAGE 1

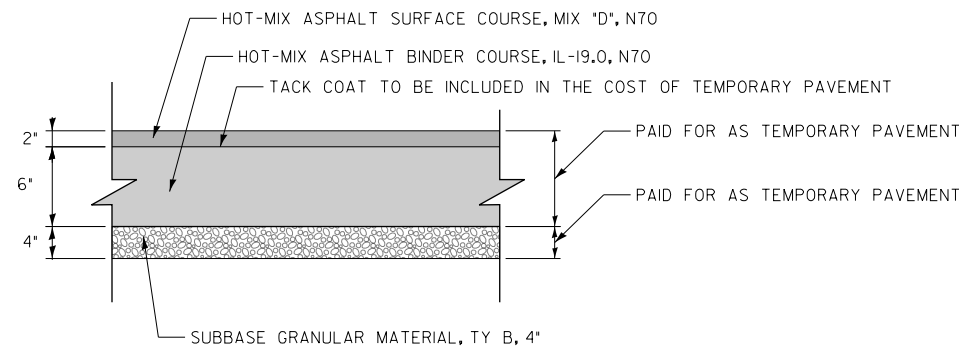
U.S. ROUTE 14
STATION 198+93.53 TO STATION 206+24.17



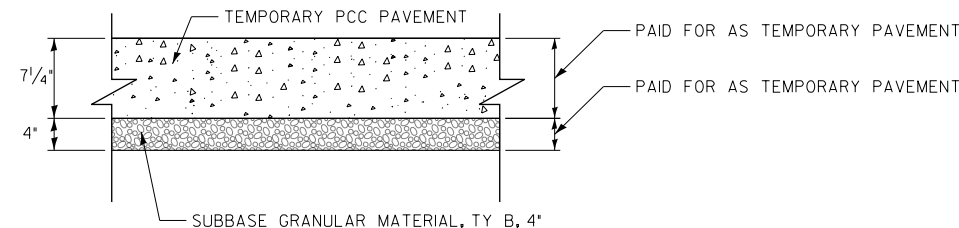
TRAFFIC CONTROL TYPICAL SECTION – PRE-STAGE 1

U.S. ROUTE 14
STATION 210+95.43 TO STATION 217+41.51

DETAIL A



TEMPORARY HMA PAVEMENT



TEMPORARY PCC PAVEMENT

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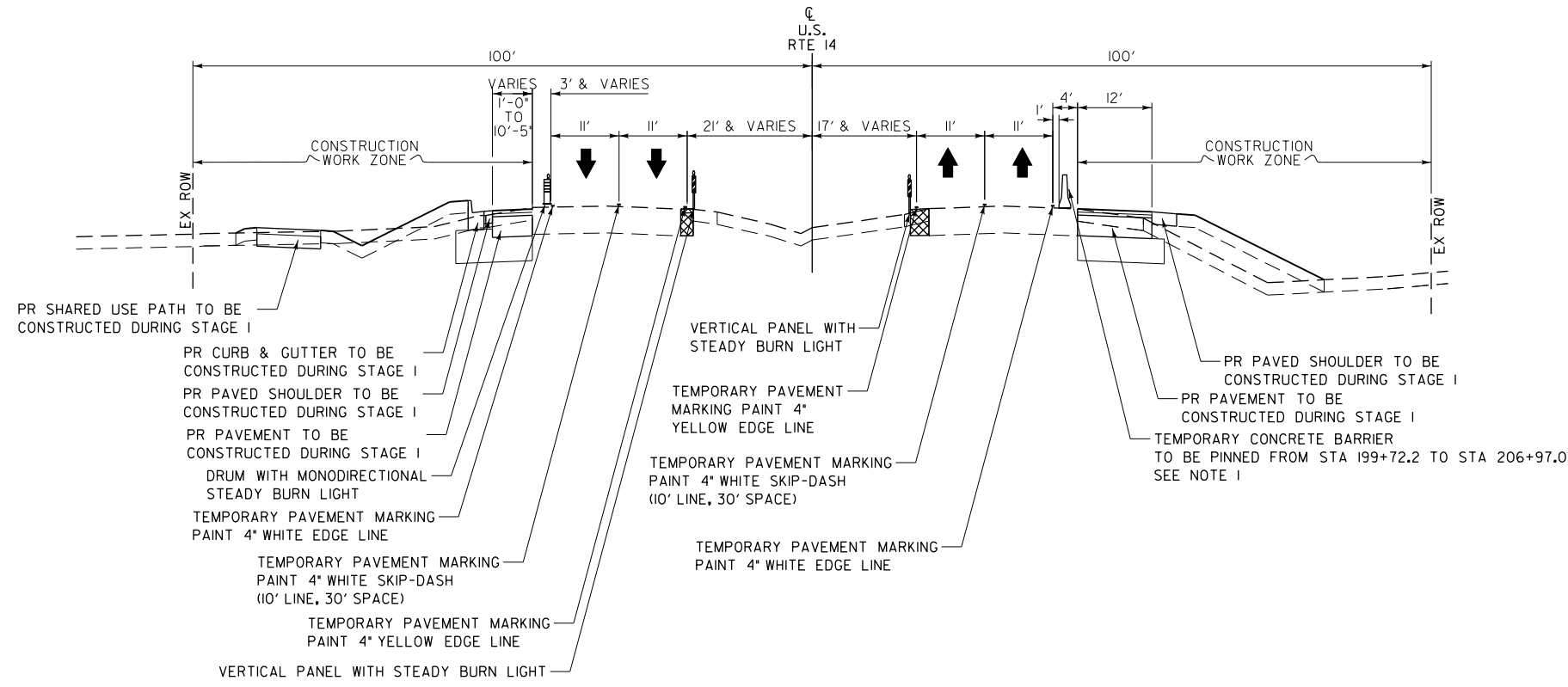
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL TYPICAL SECTION

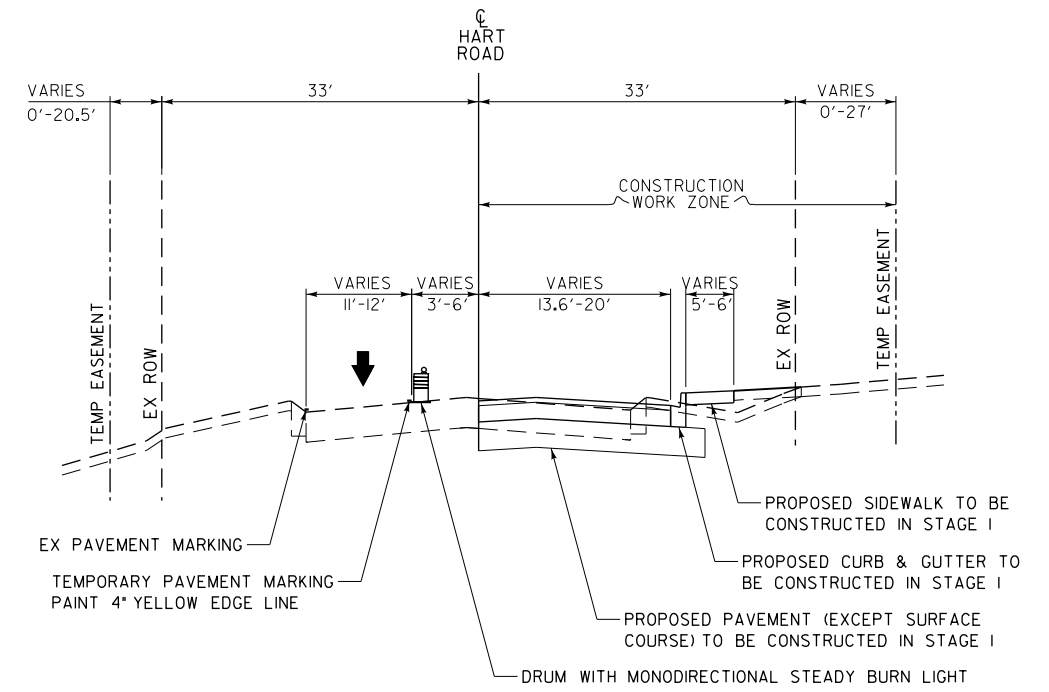
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CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



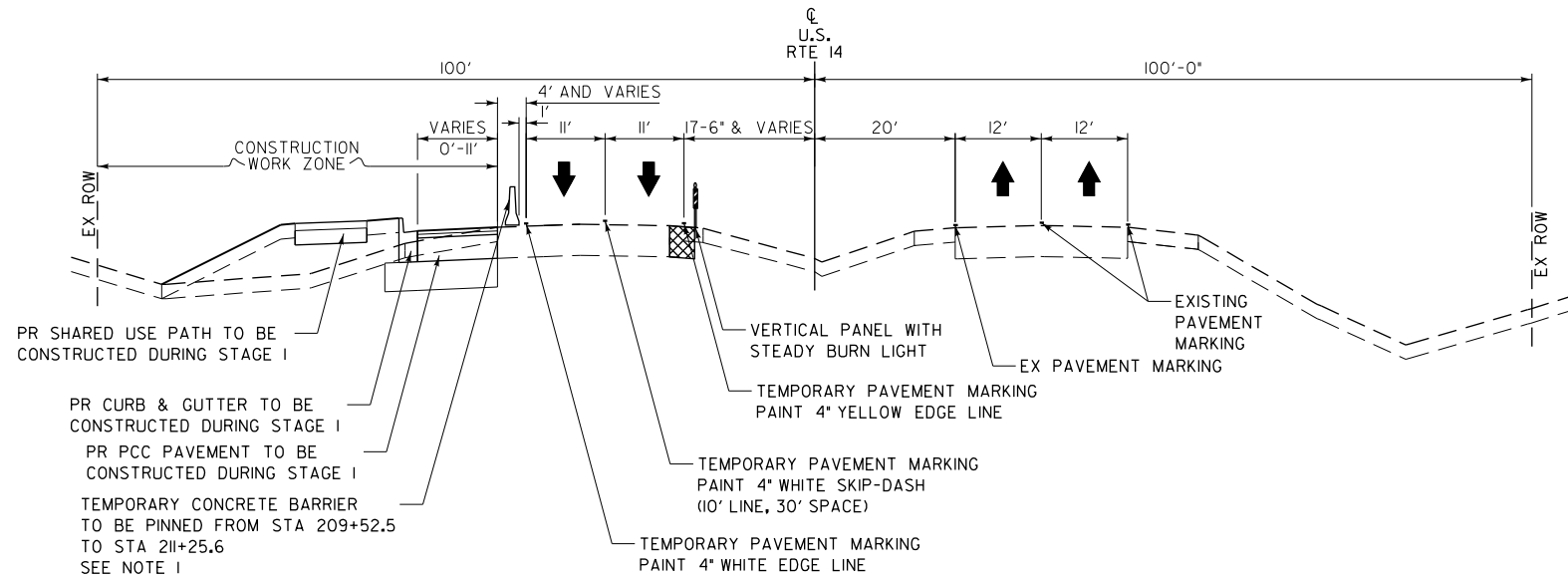
TRAFFIC CONTROL TYPICAL SECTION - STAGE 1

U.S. ROUTE 14
STATION 197+95.64 TO STATION 207+01.41



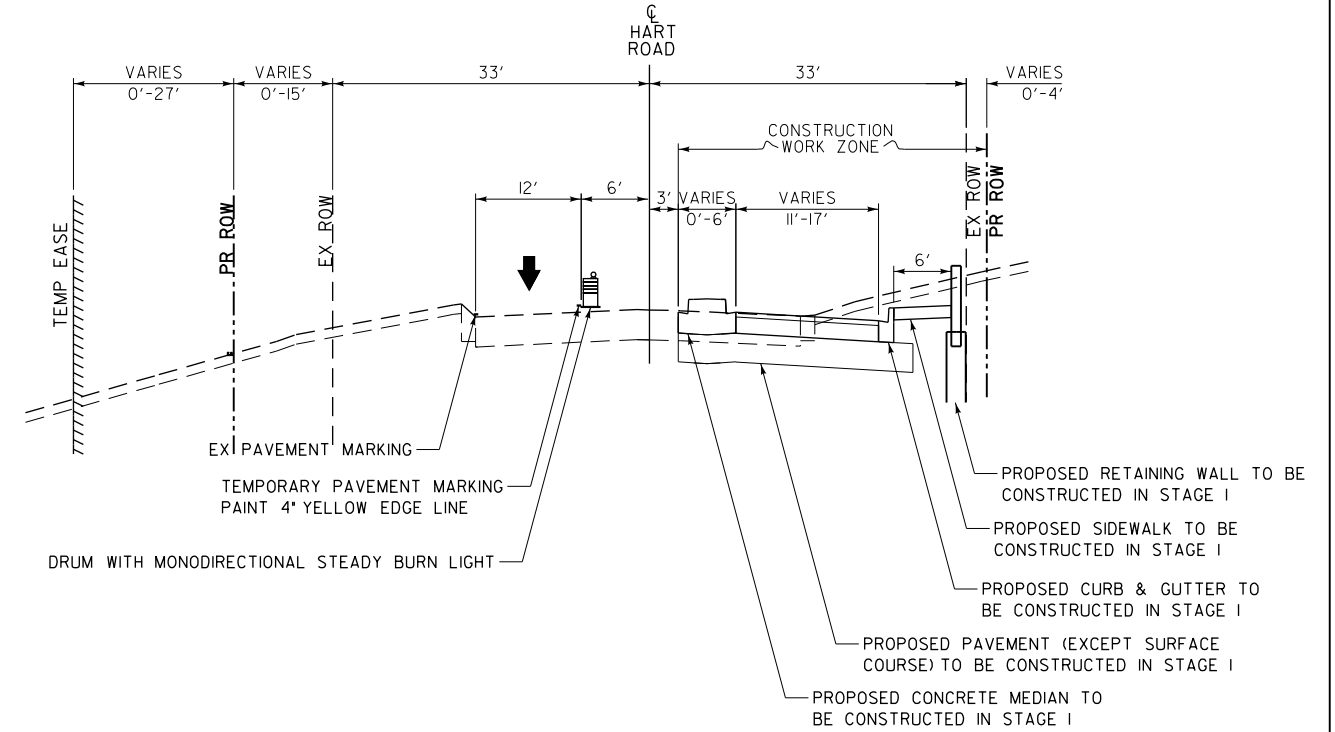
**TRAFFIC CONTROL TYPICAL SECTION - STAGE 1
(ONE WAY TRAFFIC SOUTH BOUND)**

HART ROAD
STATION 114+64.68 TO STATION 121+09.51



TRAFFIC CONTROL TYPICAL SECTION - STAGE 1

U.S. ROUTE 14
STATION 207+01.41 TO STATION 218+47.31



**TRAFFIC CONTROL TYPICAL SECTION - STAGE 1
(ONE WAY TRAFFIC SOUTH BOUND)**

HART ROAD
STATION 113+36.29 TO STATION 114+64.68

NOTE 1

1. TEMPORARY CONCRETE BARRIER SHALL BE PLACED A MINIMUM OF 6 INCHES FROM THE AREA OF DROP OFF OR FROM OBSTRUCTIONS. THESE GUIDELINES SHALL BE FOLLOWED EVEN WHEN THE TEMPORARY CONCRETE BARRIER IS PINNED TO ALLOW FOR DEFLECTION ON IMPACT.

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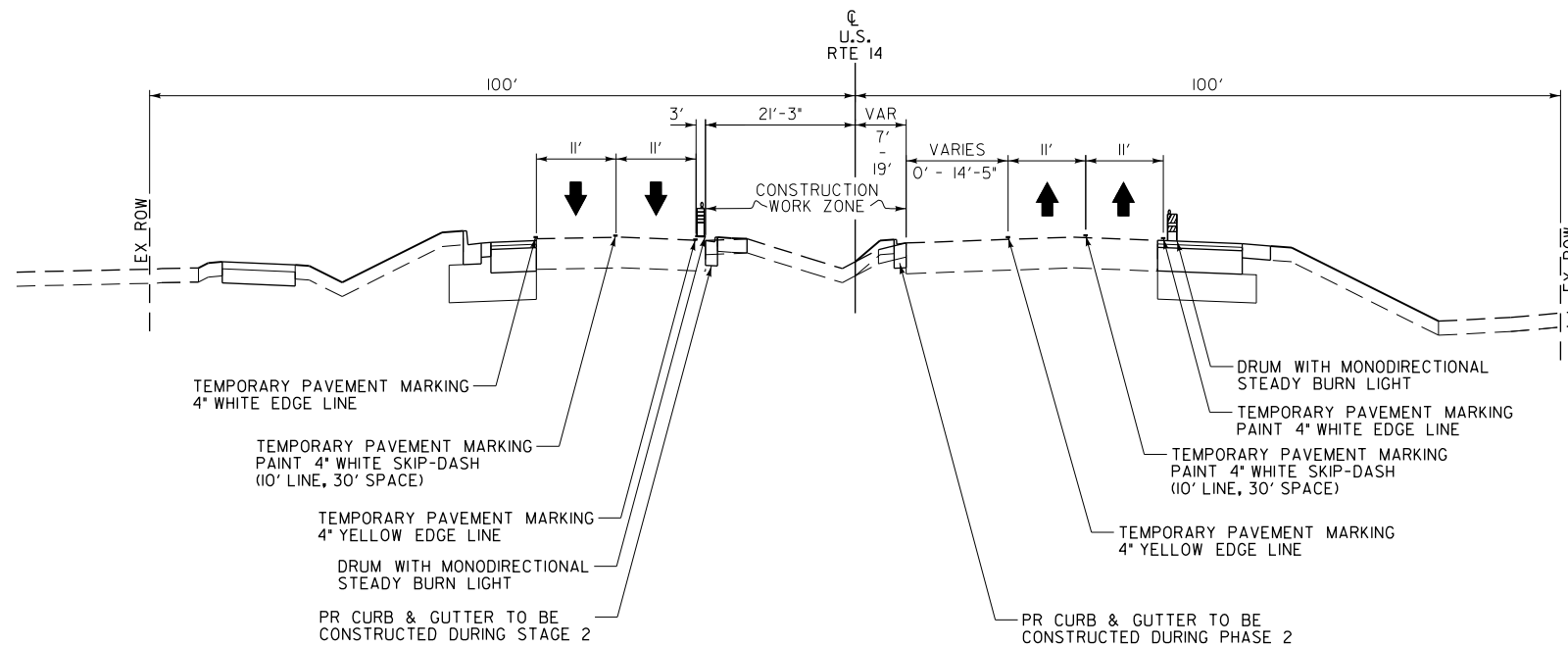
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL TYPICAL SECTION

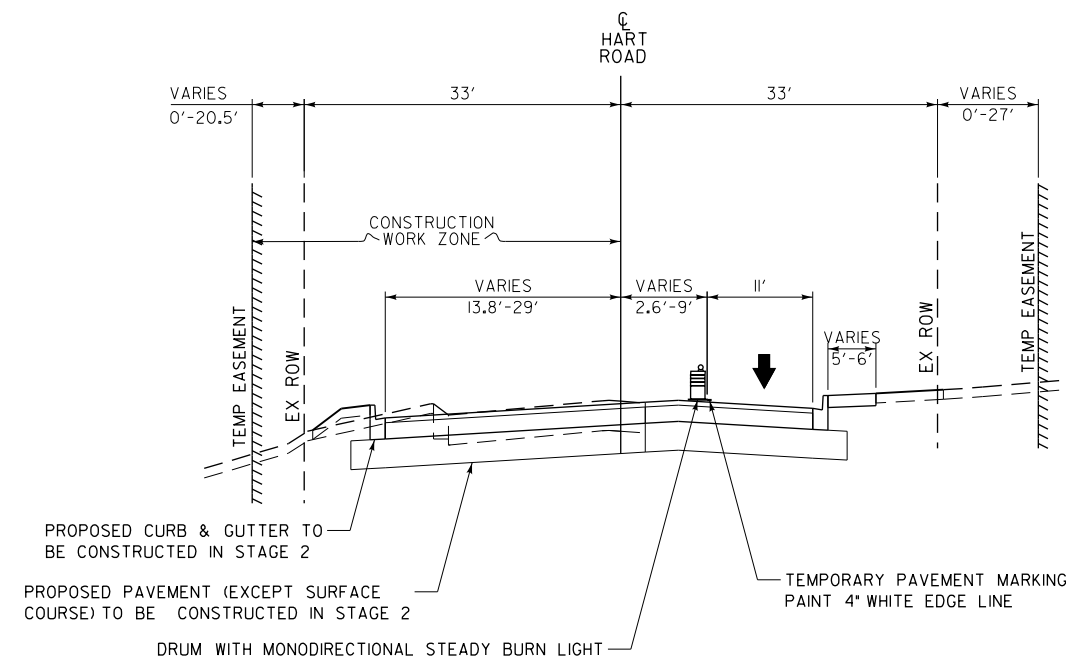
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CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



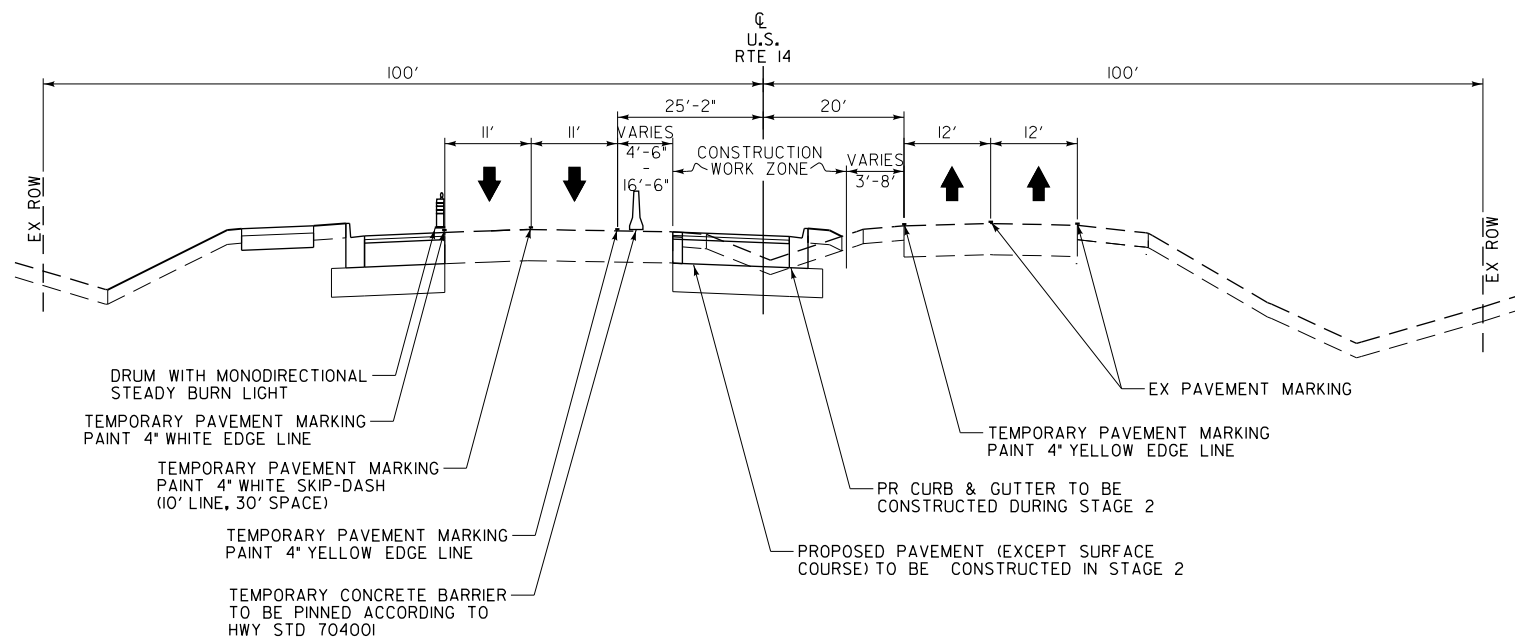
TRAFFIC CONTROL TYPICAL SECTION - STAGE 2

U.S. ROUTE 14
STATION 202+57.38 TO STATION 207+01.41



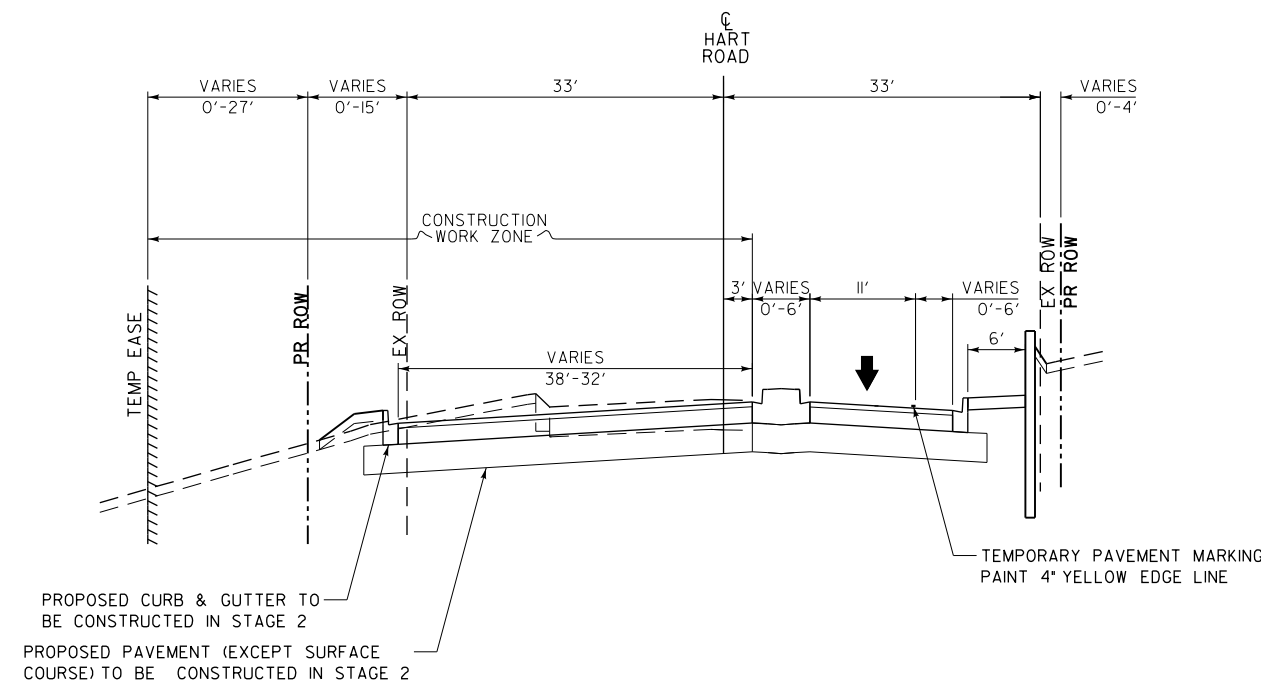
**TRAFFIC CONTROL TYPICAL SECTION - STAGE 2
(ONE WAY TRAFFIC SOUTH BOUND)**

HART ROAD
STATION 114+64.68 TO STATION 121+09.51



TRAFFIC CONTROL TYPICAL SECTION - STAGE 2

U.S. ROUTE 14
STATION 207+01.41 TO STATION 216+51.97



**TRAFFIC CONTROL TYPICAL SECTION - STAGE 2
(ONE WAY TRAFFIC SOUTH BOUND)**

HART ROAD
STATION 113+36.29 TO STATION 114+64.68

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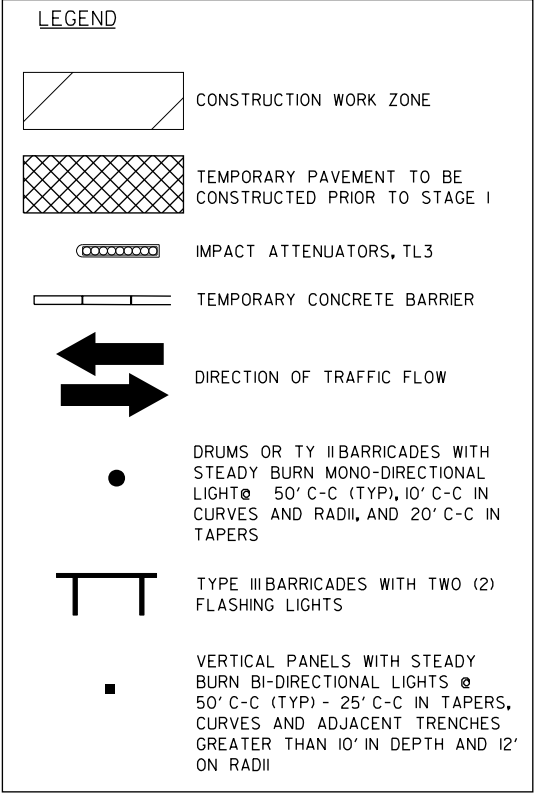
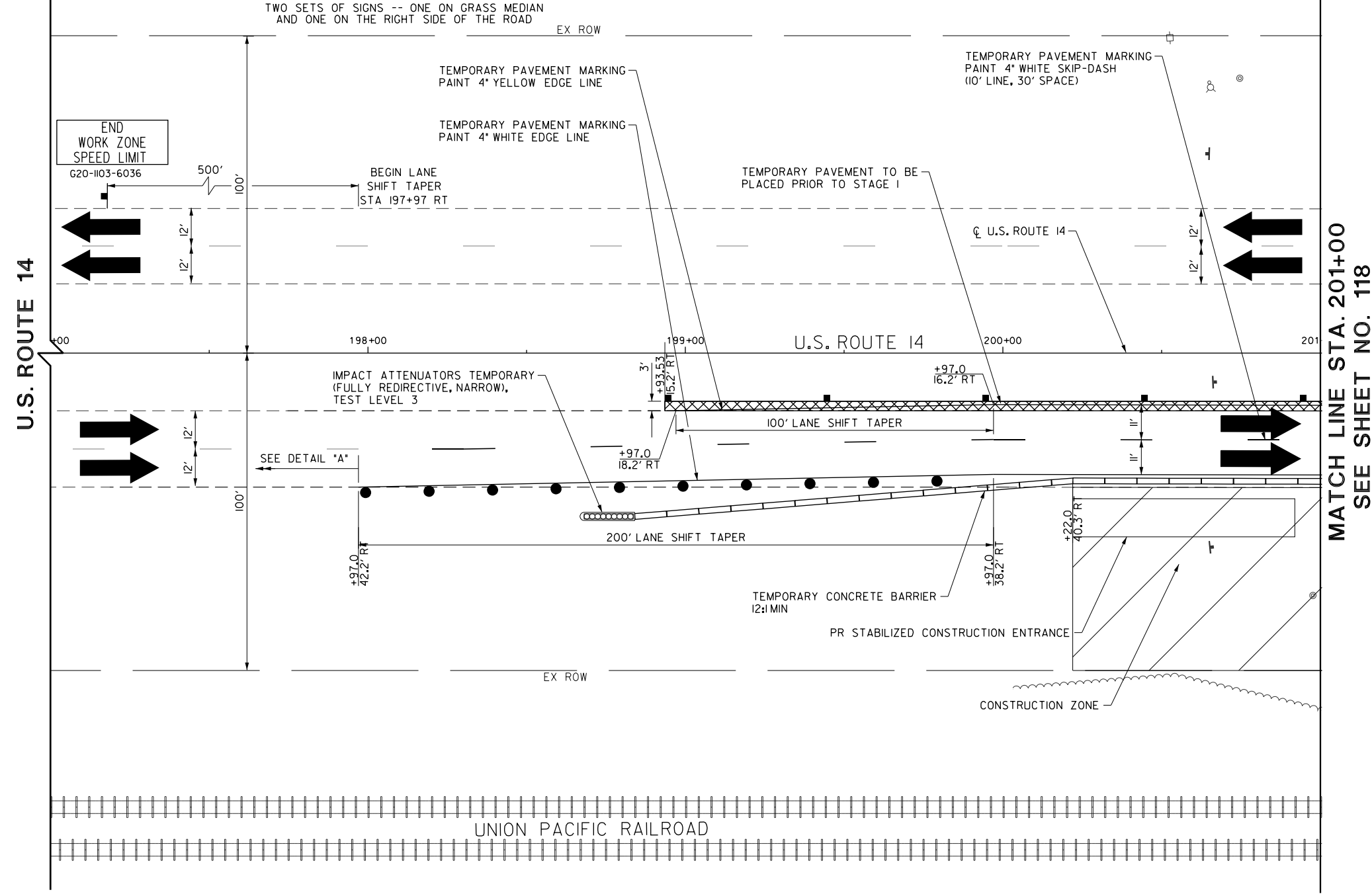
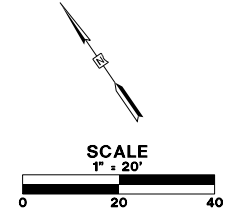
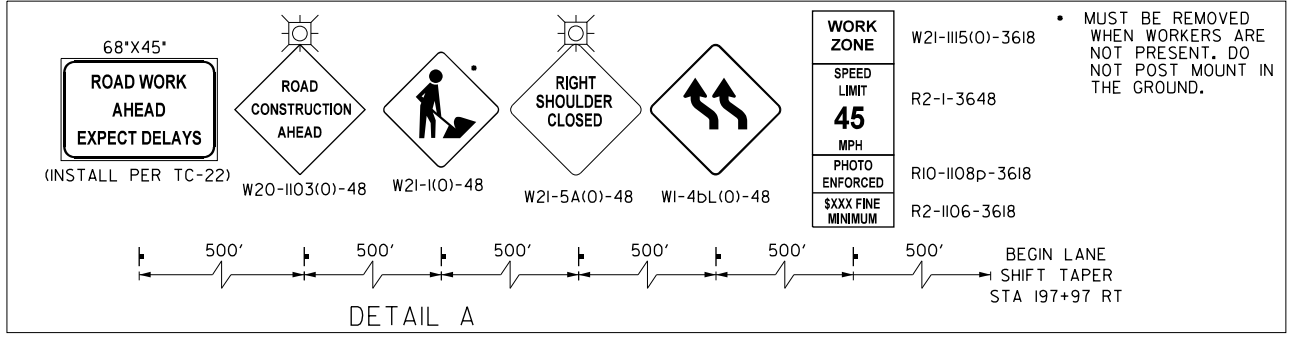
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL TYPICAL SECTION

SCALE: 1:20 SHEET 5 OF 21 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	116
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				



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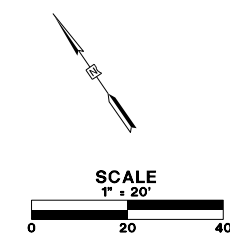
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 1

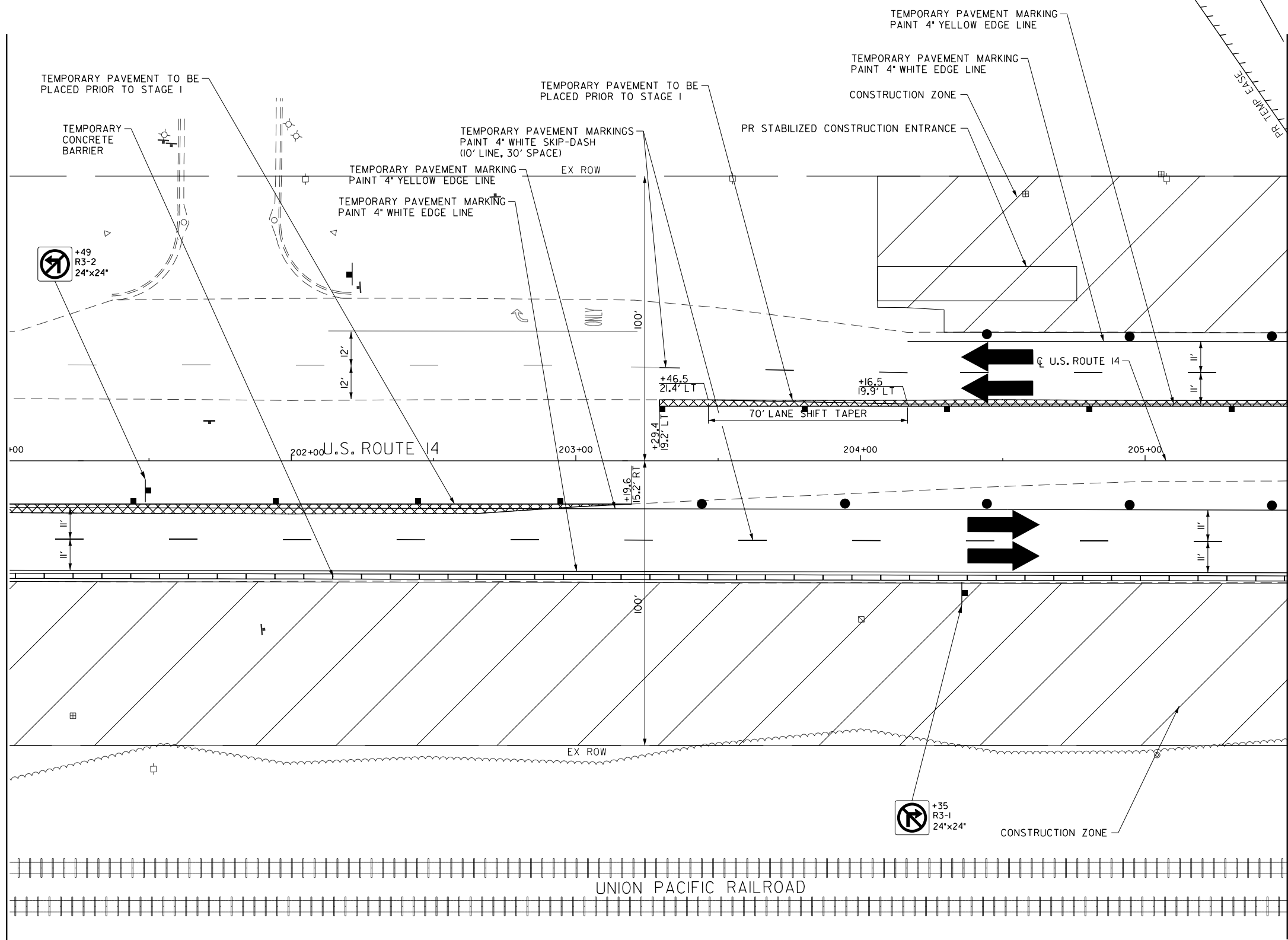
SCALE: 1:20 SHEET 6 OF 21 SHEETS STA. 197+00.00 TO STA. 201+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	117
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 117
MATCH LINE STA. 201+00

MATCH LINE STA. 205+50
SEE SHEET NO. 119



LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
- IMPACT ATTENUATORS, TL3
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
- VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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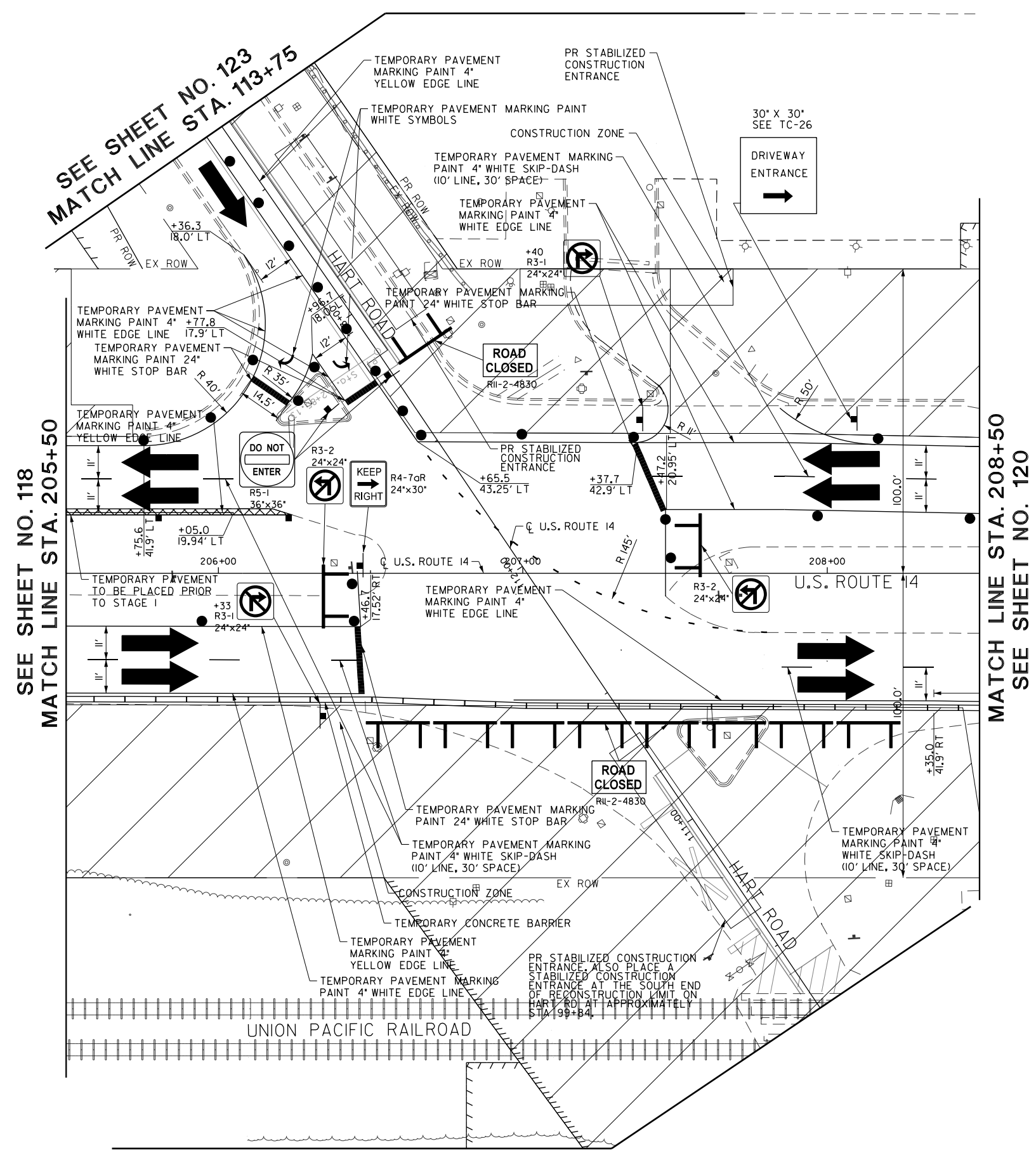
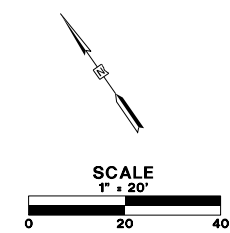
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



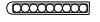

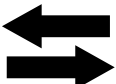



TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 7 OF 21 SHEETS STA. 201+00.00 TO STA. 205+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	118
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
-  IMPACT ATTENUATORS, TL3
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
-  TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
-  VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

- NOTES:**
1. STOCKPILES SHALL BE STORED IN AREAS OF THE EXISTING ROADWAY OF THE CLOSED PORTION OF HART ROAD, SOUTH OF THE UNION PACIFIC RAILROAD BETWEEN STA. 103+50 AND STA. 109+00. ACCESS TO THE DRIVEWAY AT STA. 108+60 SHALL NOT BE IMPEDED BY THE PRESENCE OF STOCKPILES.
 2. ALL EXISTING KEEP RIGHT SIGNS IN THE MEDIAN SHALL BE MAINTAINED.

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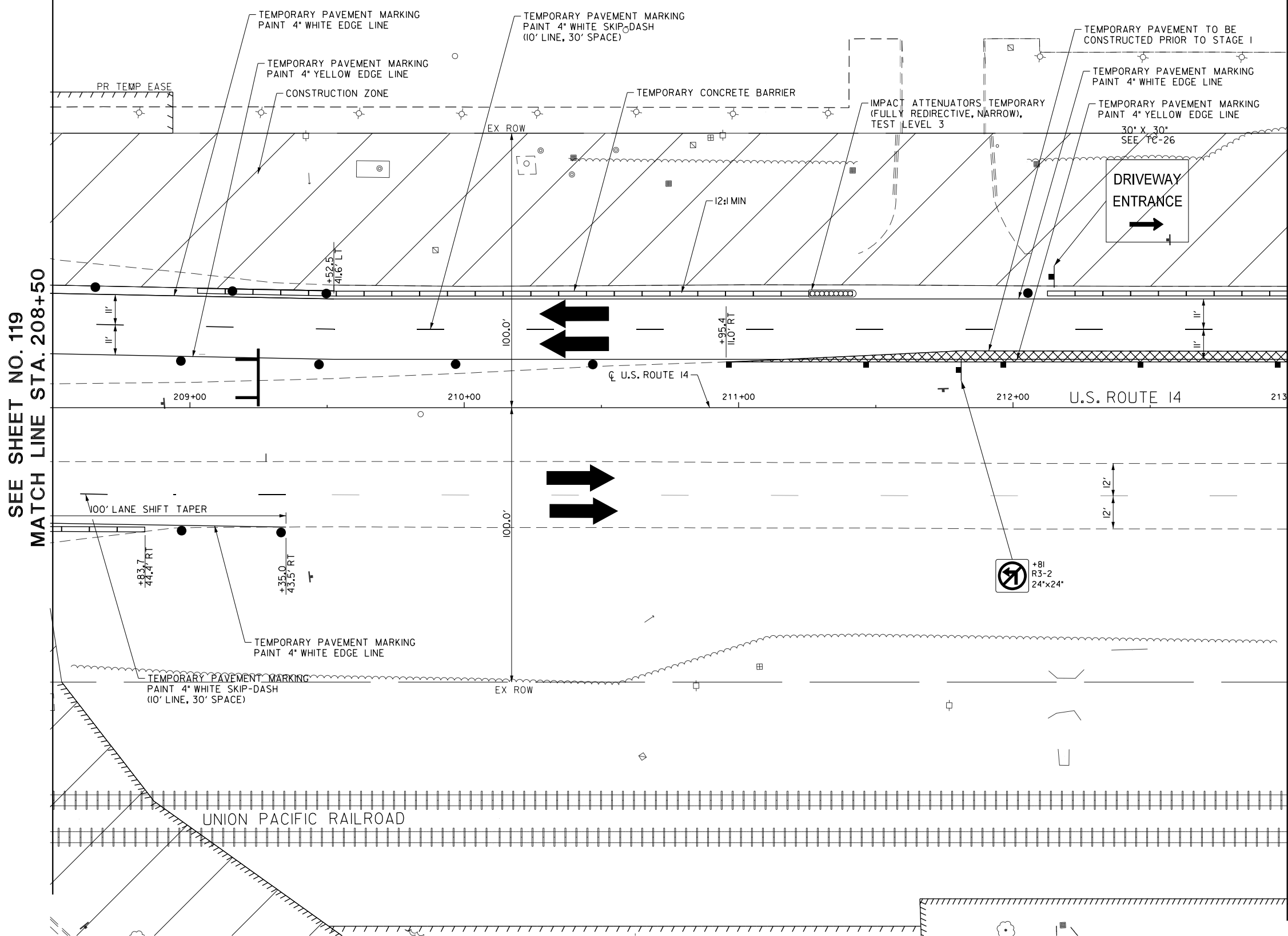
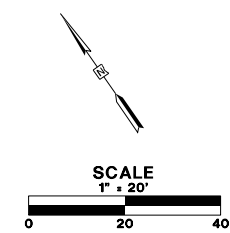
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PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 8 OF 21 SHEETS STA. 205+50.00 TO STA. 208+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	119
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 119
MATCH LINE STA. 208+50

MATCH LINE STA. 213+00
SEE SHEET NO. 121

LEGEND	
	CONSTRUCTION WORK ZONE
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
	IMPACT ATTENUATORS, TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	DRUMS OR TY II BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
	VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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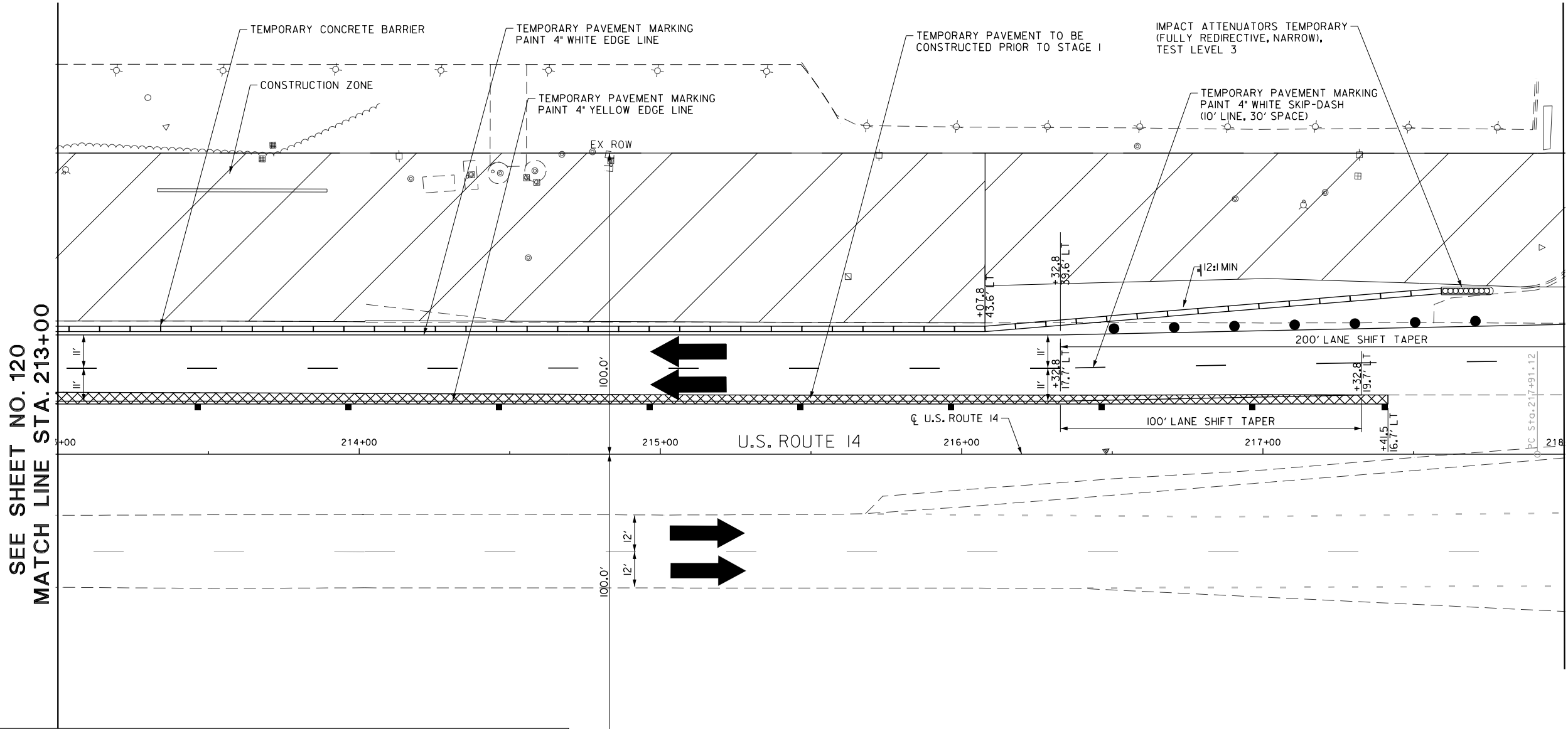
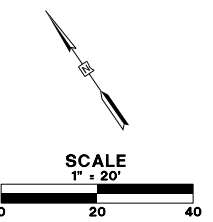
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 9 OF 21 SHEETS STA. 208+50.00 TO STA. 213+00.00

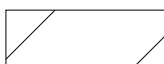



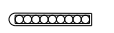

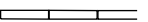
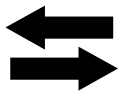
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	120
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



SEE SHEET NO. 120
MATCH LINE STA. 213+00

MATCH LINE STA. 218+00
SEE SHEET NO. 122

LEGEND

	CONSTRUCTION WORK ZONE		DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I		TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
	IMPACT ATTENUATORS, TL3		VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII
	TEMPORARY CONCRETE BARRIER		
	DIRECTION OF TRAFFIC FLOW		

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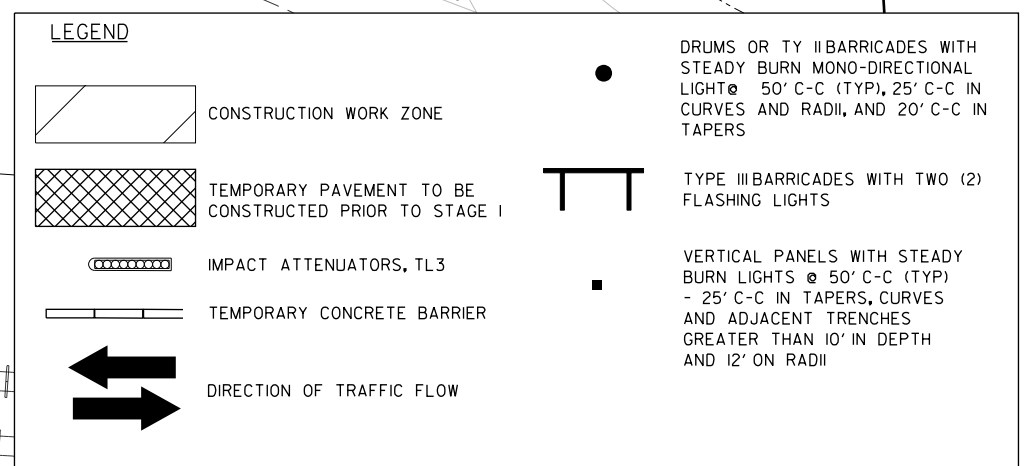
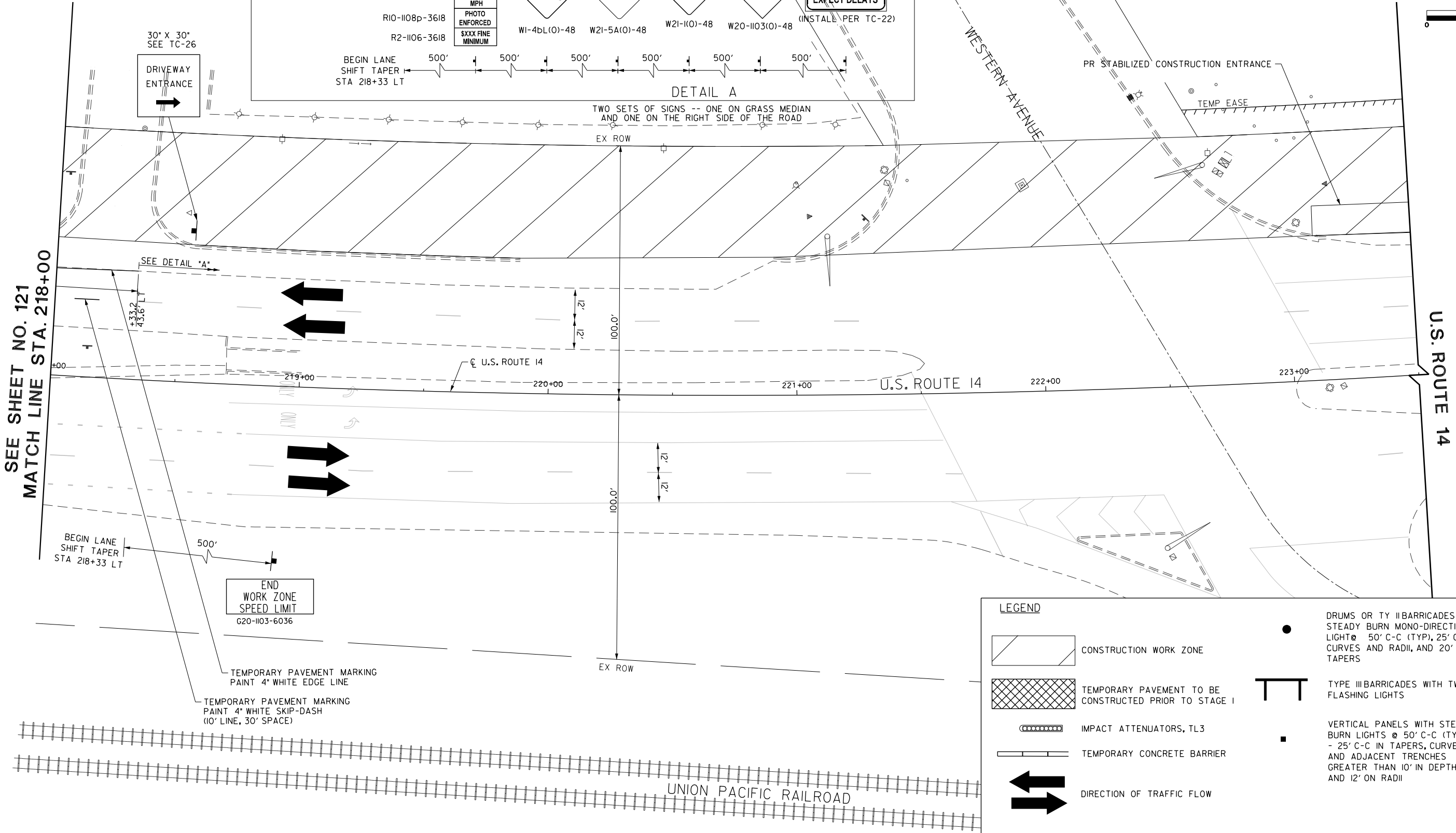
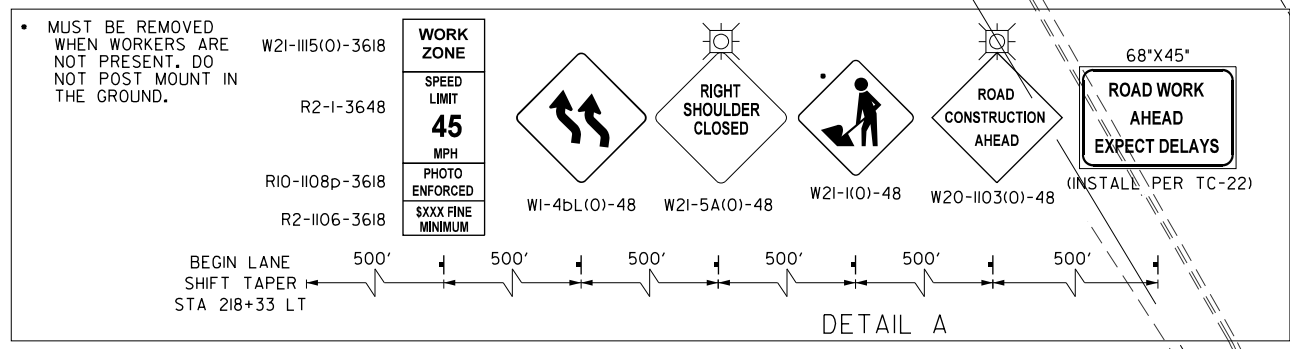
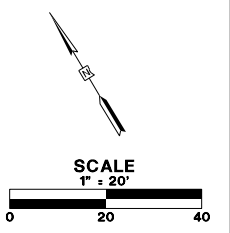
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 10 OF 21 SHEETS STA. 213+00.00 TO STA. 218+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	121
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



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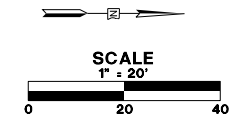
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 1

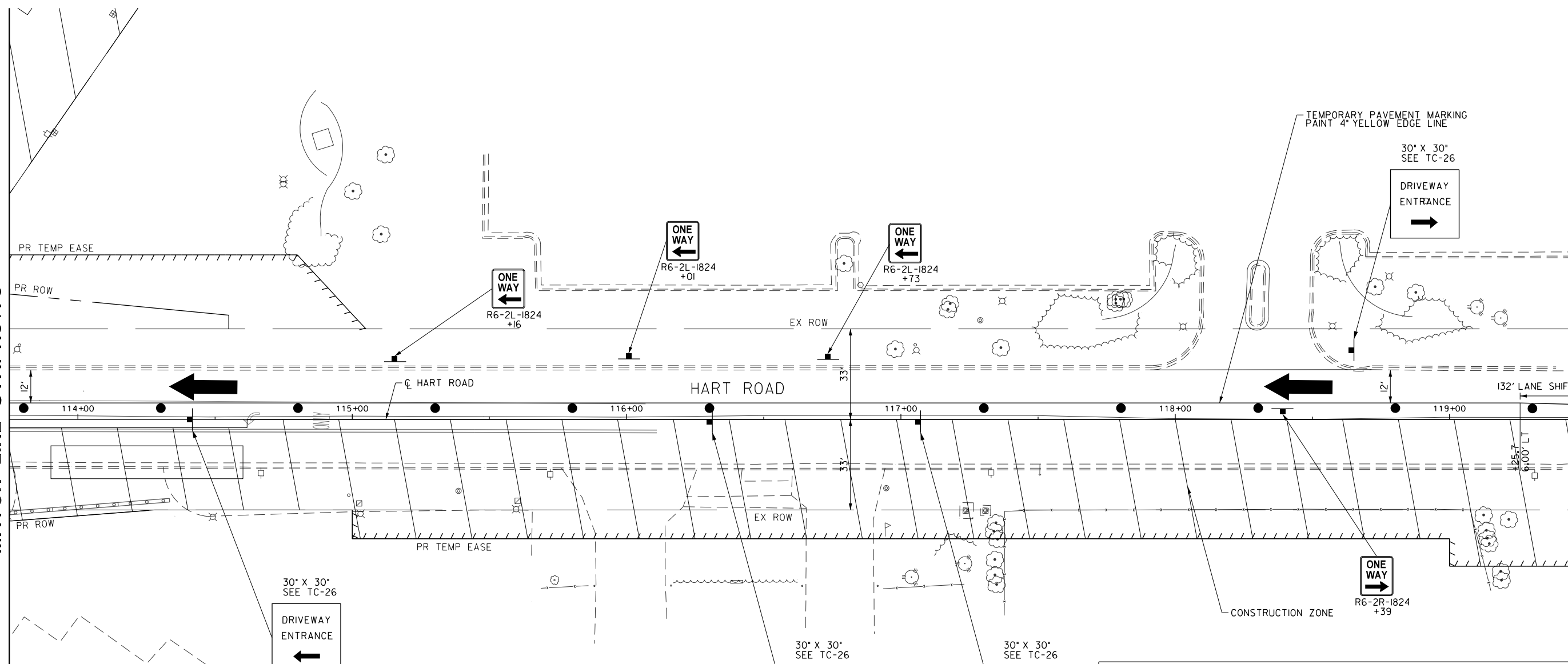
SCALE: 1:20 SHEET 11 OF 21 SHEETS STA. 218+00.00 TO STA. 223+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	122
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



SEE SHEET NO. 119
MATCH LINE STA. 113+75

MATCH LINE STA. 119+50
SEE SHEET NO. 124



LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
- IMPACT ATTENUATORS, TL3
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
- VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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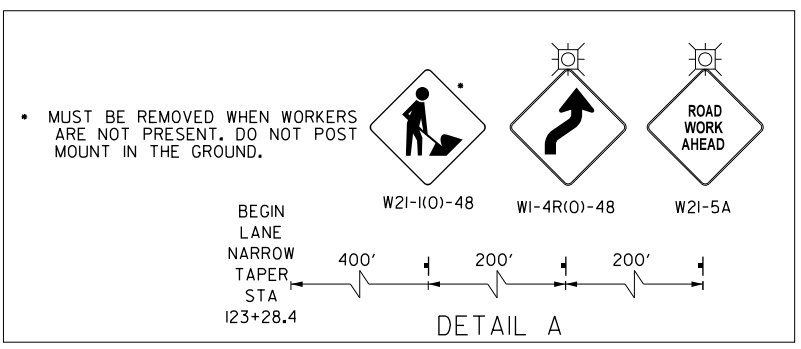
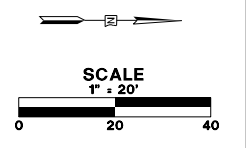
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

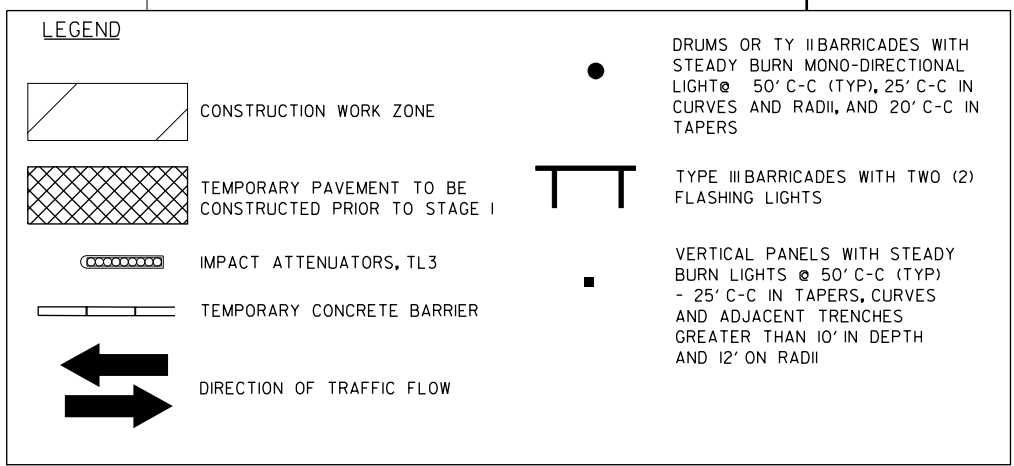
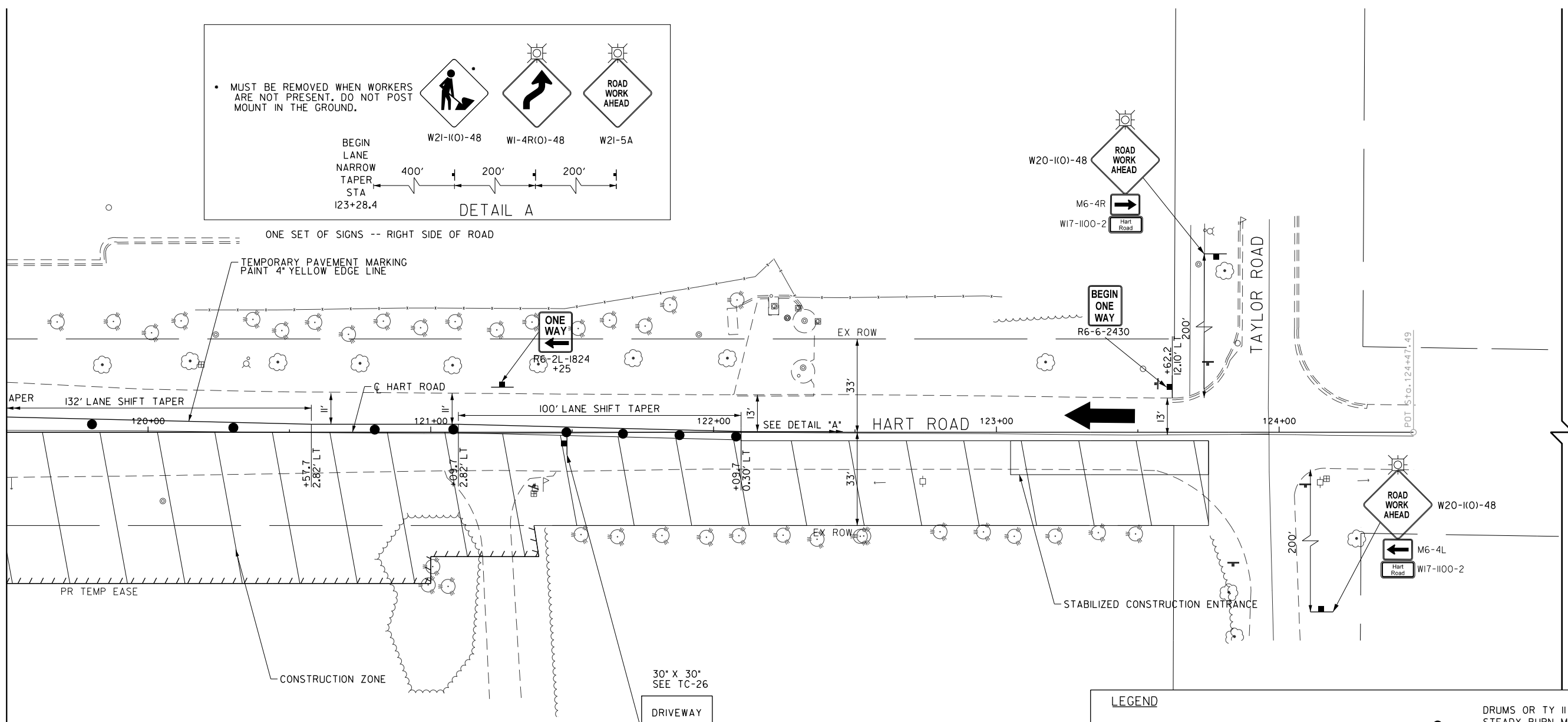
TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 12 OF 21 SHEETS STA. 113+75.00 TO STA. 119+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	123
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



SEE SHEET NO. 123
MATCH LINE STA. 119+50



FILE NAME: G:\CH09\0176\Road\Sheets\108084-MOT-HARTROAD-STAGE-02.dgn



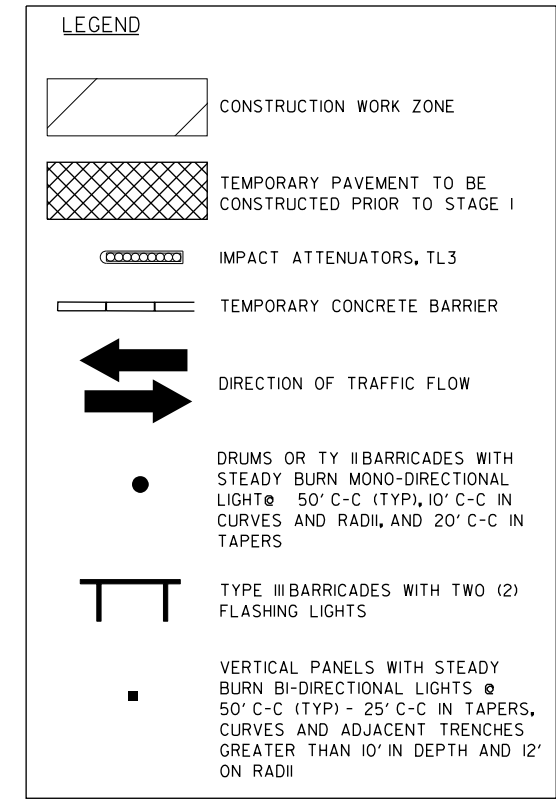
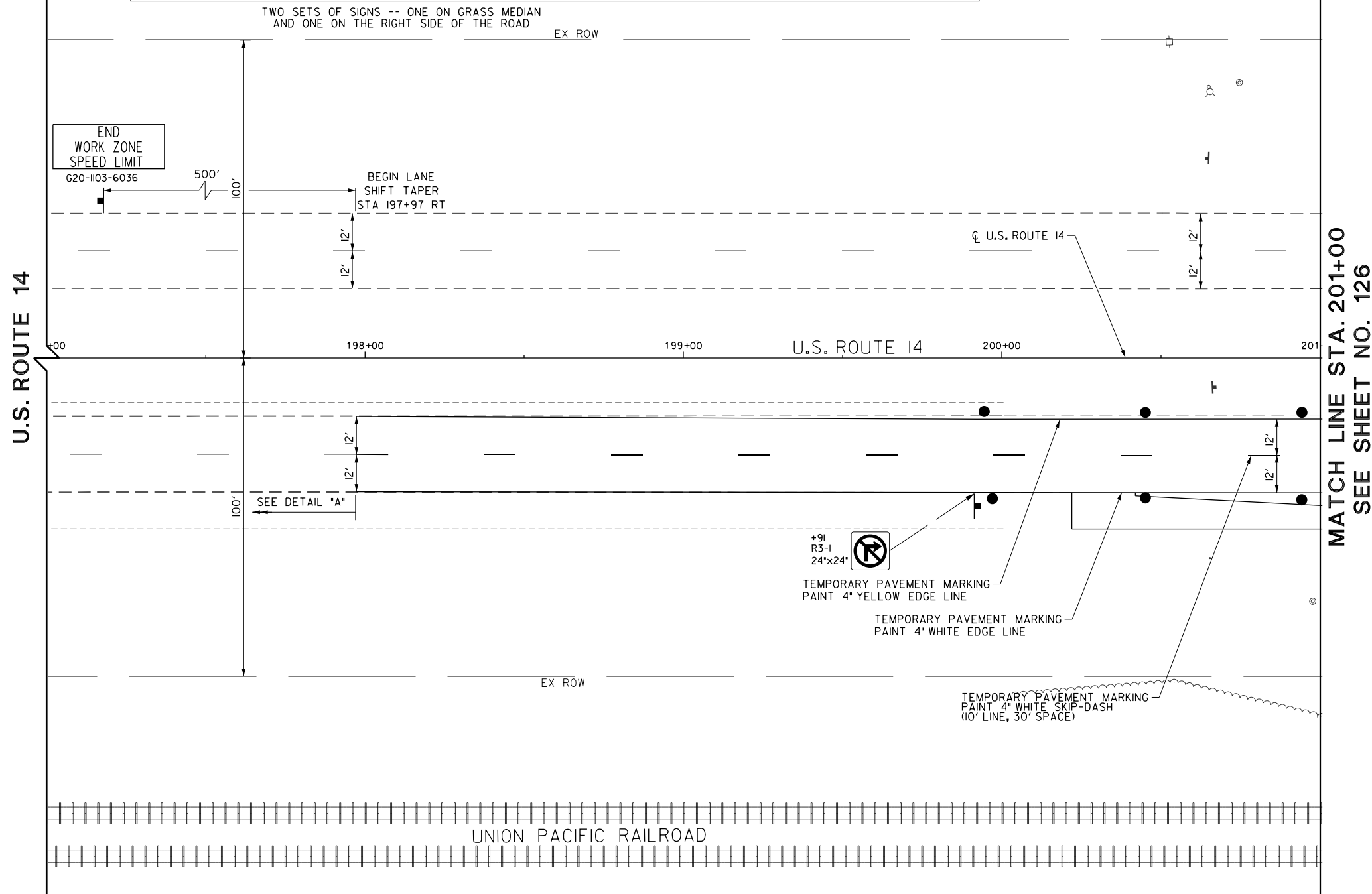
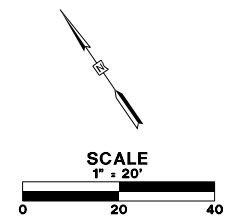
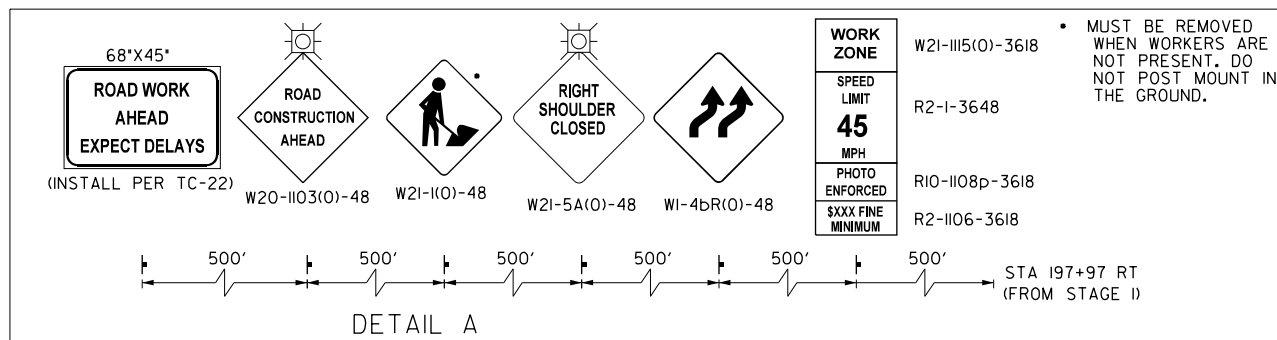
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGE 1

SCALE: 1:20 SHEET 13 OF 21 SHEETS STA. 119+50.00 TO STA. 125+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	124
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



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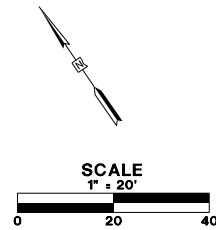
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 2

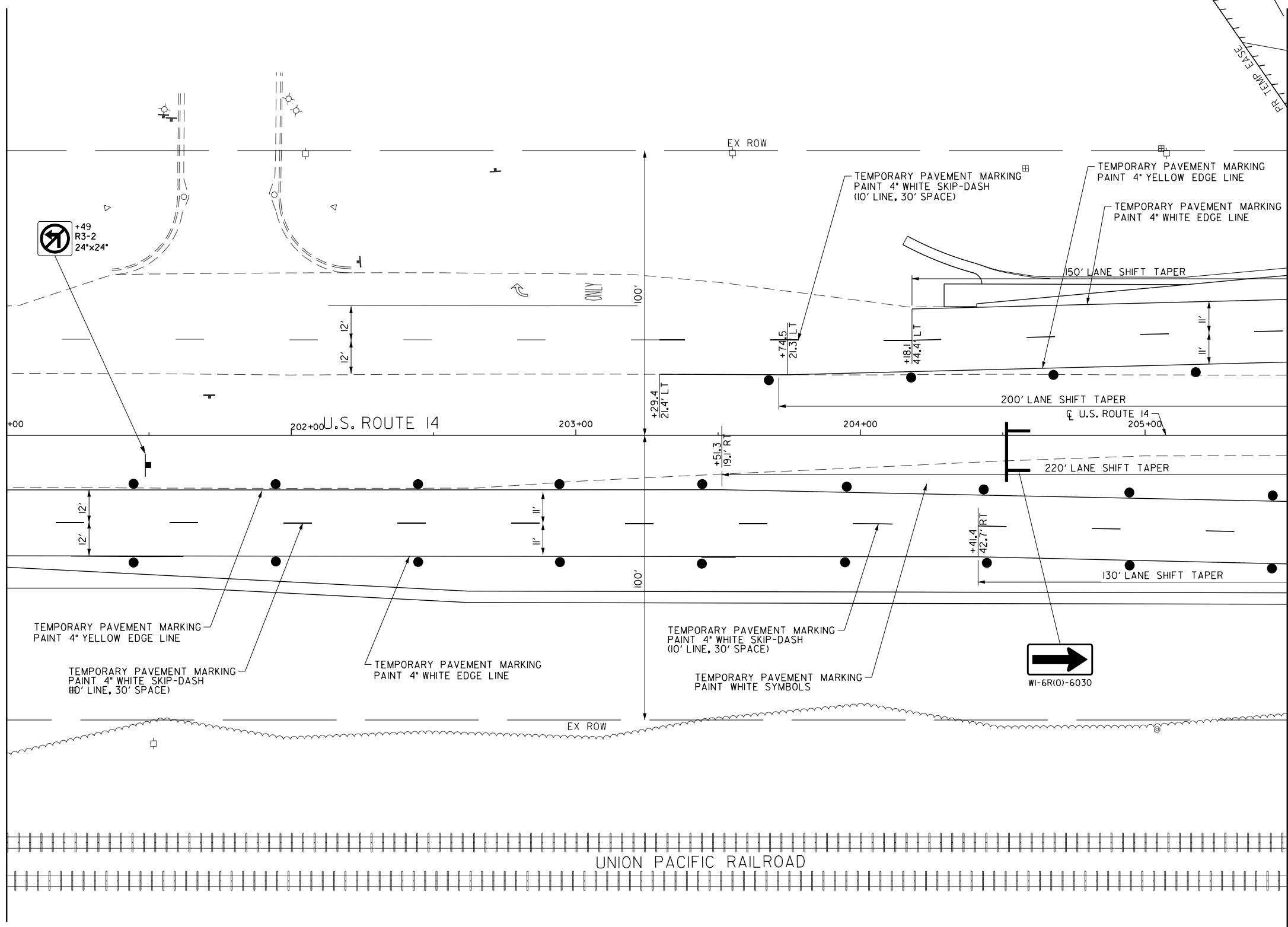
SCALE: 1:20 SHEET 14 OF 21 SHEETS STA. 197+00.00 TO STA. 201+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	125
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 125
MATCH LINE STA. 201+00

MATCH LINE STA. 205+50
SEE SHEET NO. 127



LEGEND	
	CONSTRUCTION WORK ZONE
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
	IMPACT ATTENUATORS, TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHTS @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE II BARRICADES WITH TWO (2) FLASHING LIGHTS
	VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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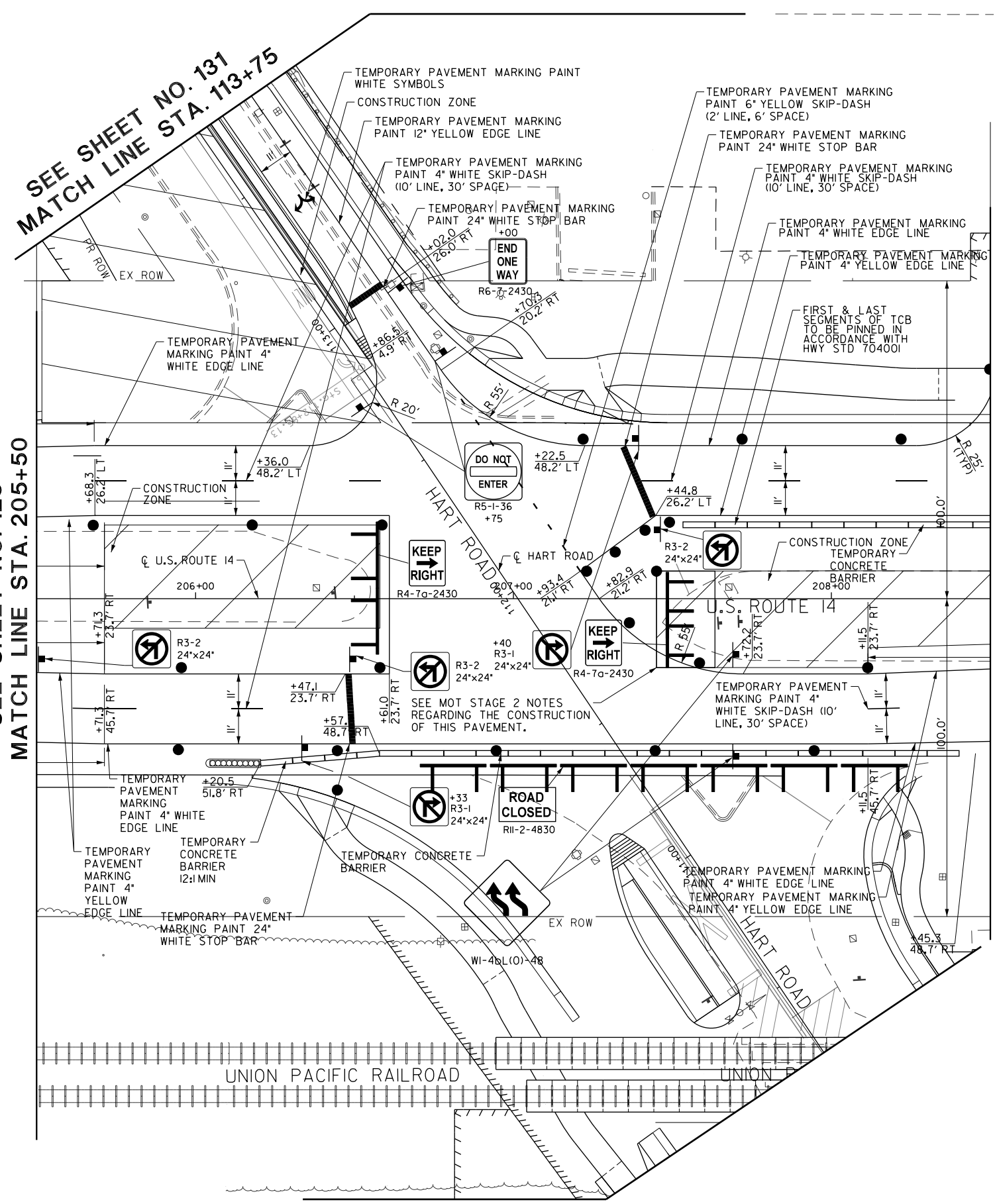
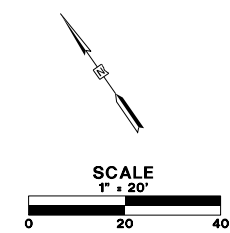
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PLOT DATE = 5/22/2019		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGE 2

SCALE: 1:20 SHEET 15 OF 21 SHEETS STA. 201+00.00 TO STA. 205+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	126
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				




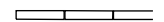
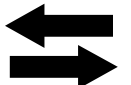





SEE SHEET NO. 131
MATCH LINE STA. 113+75

SEE SHEET NO. 126
MATCH LINE STA. 205+50

MATCH LINE STA. 208+50
SEE SHEET NO. 128

LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE 1
-  IMPACT ATTENUATORS, TL3
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
-  TYPE II BARRICADES WITH TWO (2) FLASHING LIGHTS
-  VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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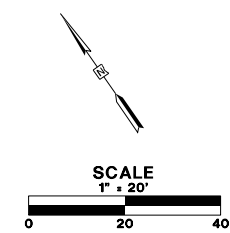
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 2

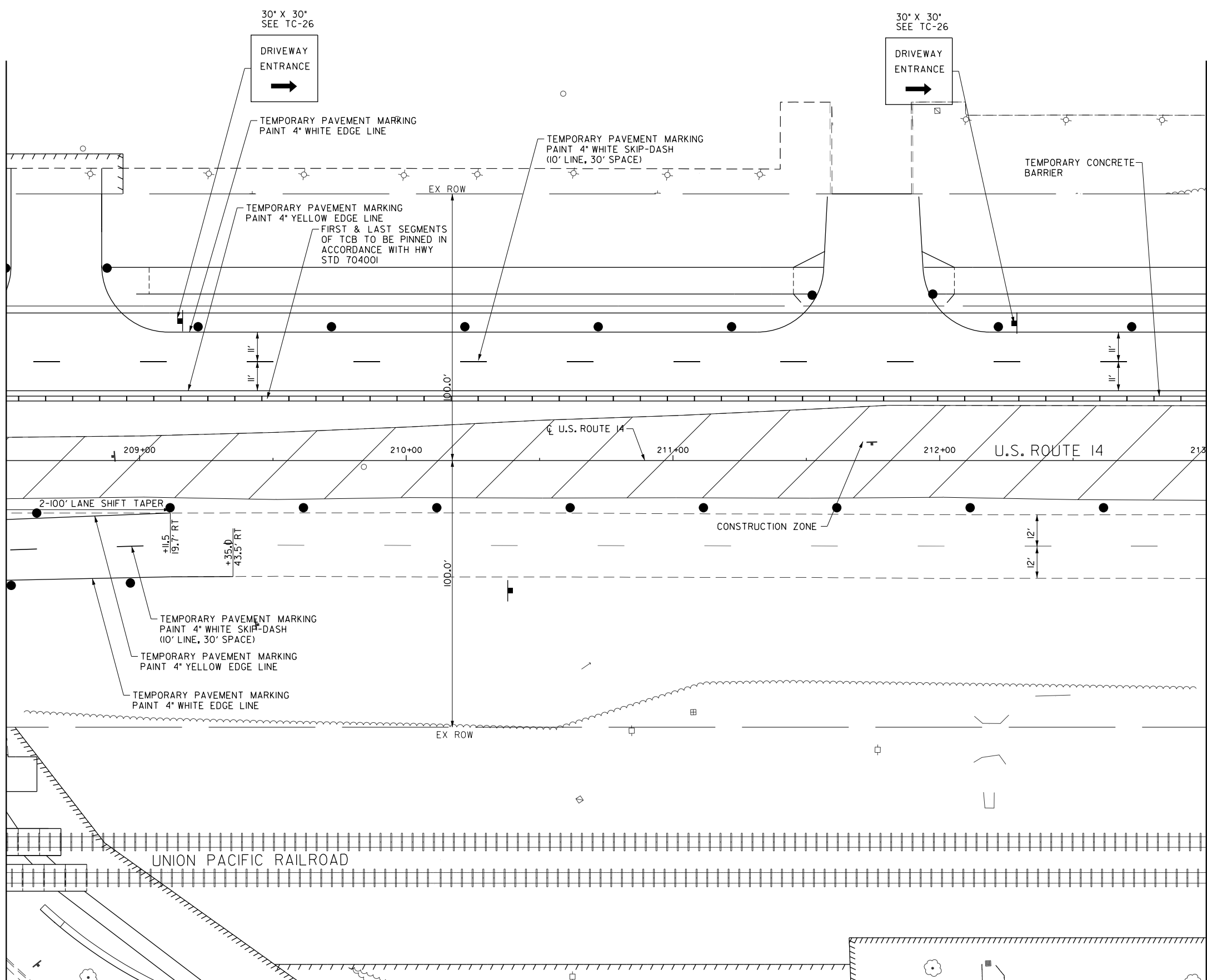
SCALE: 1:20 SHEET 16 OF 21 SHEETS STA. 205+50.00 TO STA. 208+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	127
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 127
MATCH LINE STA. 208+50

MATCH LINE STA. 213+00
SEE SHEET NO. 129



LEGEND

	CONSTRUCTION WORK ZONE
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
	IMPACT ATTENUATORS, TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
	VERTICAL PANELS WITH STEADY BURN BI-DIRECTIONAL LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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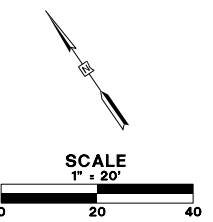
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL STAGE 2

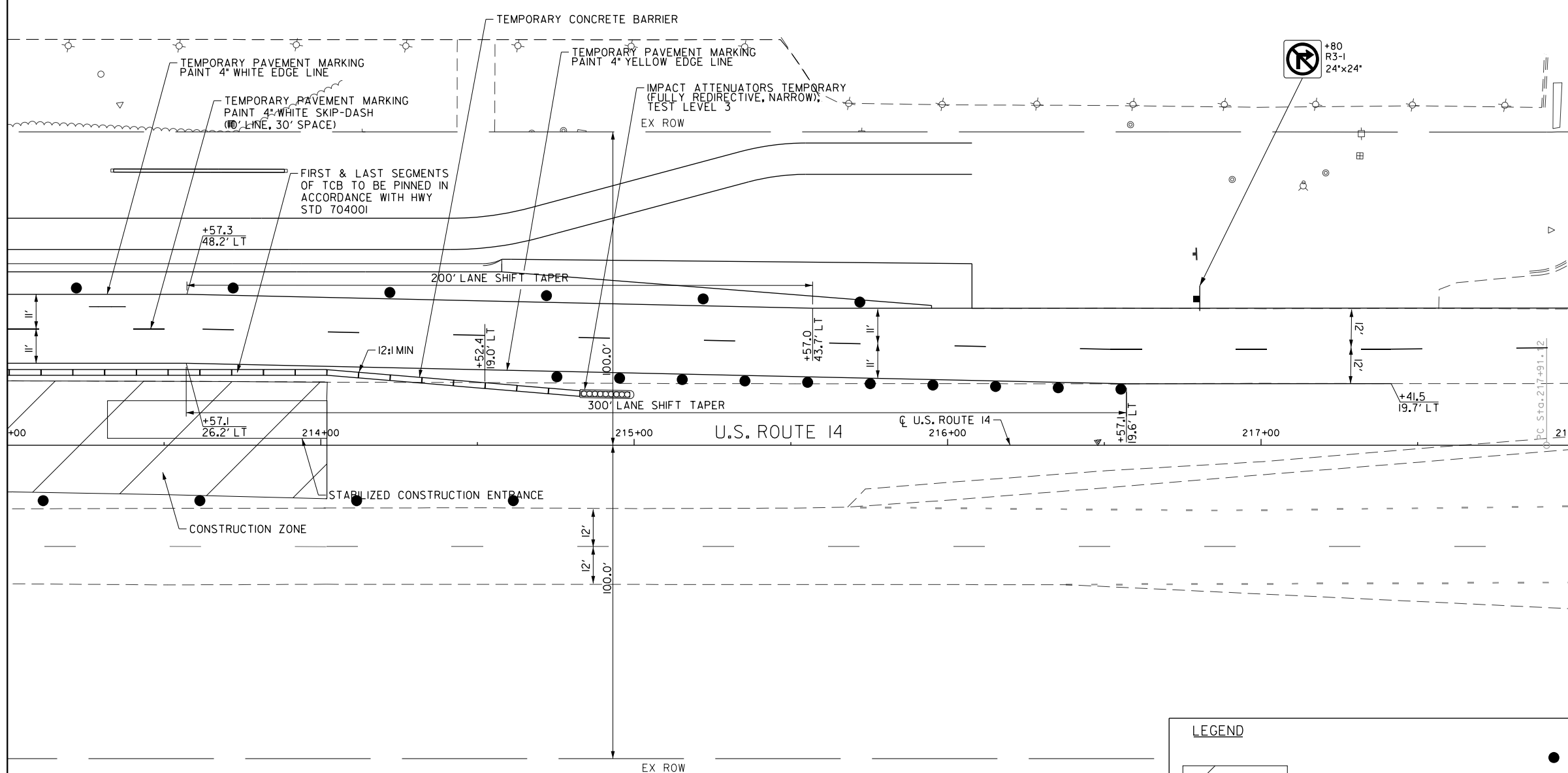
SCALE: 1:20 SHEET 17 OF 21 SHEETS STA. 208+50.00 TO STA. 213+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	128
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



SEE SHEET NO. 128
MATCH LINE STA. 213+00

SEE SHEET NO. 130
MATCH LINE STA. 218+00



LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
- IMPACT ATTENUATORS, TL3
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
- TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
- VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

FILE NAME: G:\veh09\0176\Road\Sheet\fs_08084-MOT-IL.dgn



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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGE 2

SCALE: 1:20 SHEET 18 OF 21 SHEETS STA. 213+00.00 TO STA. 218+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	129
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

FILE NAME: G:\en09\0176\Road\Sheet\08084-MOT-12.dgn

• MUST BE REMOVED WHEN WORKERS ARE NOT PRESENT. DO NOT POST MOUNT IN THE GROUND.

W21-1115(0)-3618	WORK ZONE
R2-1-3648	SPEED LIMIT
	45
R10-1108p-3618	PHOTO ENFORCED
R2-1106-3618	\$XXX FINE MINIMUM

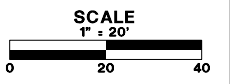
W1-4bR(0)-48 W21-5A(0)-48 W21-1(0)-48 W20-1103(0)-48 68"x45" ROAD WORK AHEAD EXPECT DELAYS (INSTALL PER TC-22)

BEGIN LANE SHIFT TAPER STA 218+33 LT

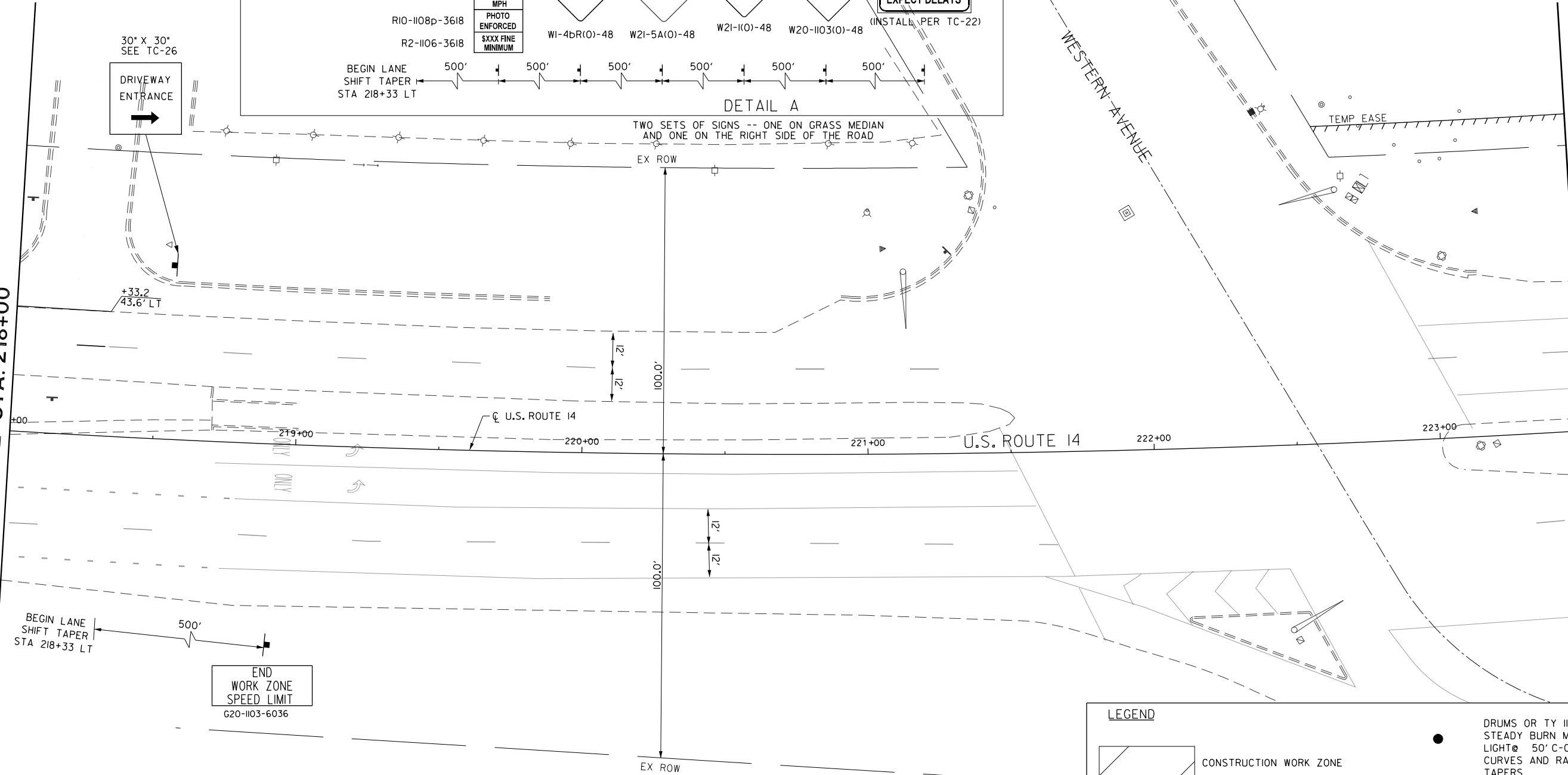
500' 500' 500' 500' 500' 500'

DETAIL A

TWO SETS OF SIGNS -- ONE ON GRASS MEDIAN AND ONE ON THE RIGHT SIDE OF THE ROAD



SEE SHEET NO. 129
MATCH LINE STA. 218+00



LEGEND

	CONSTRUCTION WORK ZONE		DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I		TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
	IMPACT ATTENUATORS, TL3		VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII
	TEMPORARY CONCRETE BARRIER		
	DIRECTION OF TRAFFIC FLOW		



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	DATE - 5/22/2019	REVISED -




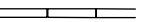




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

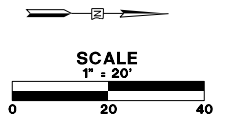
TRAFFIC CONTROL STAGE 2

SCALE: 1:20 SHEET 19 OF 21 SHEETS STA. 218+00.00 TO STA. 223+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	130
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

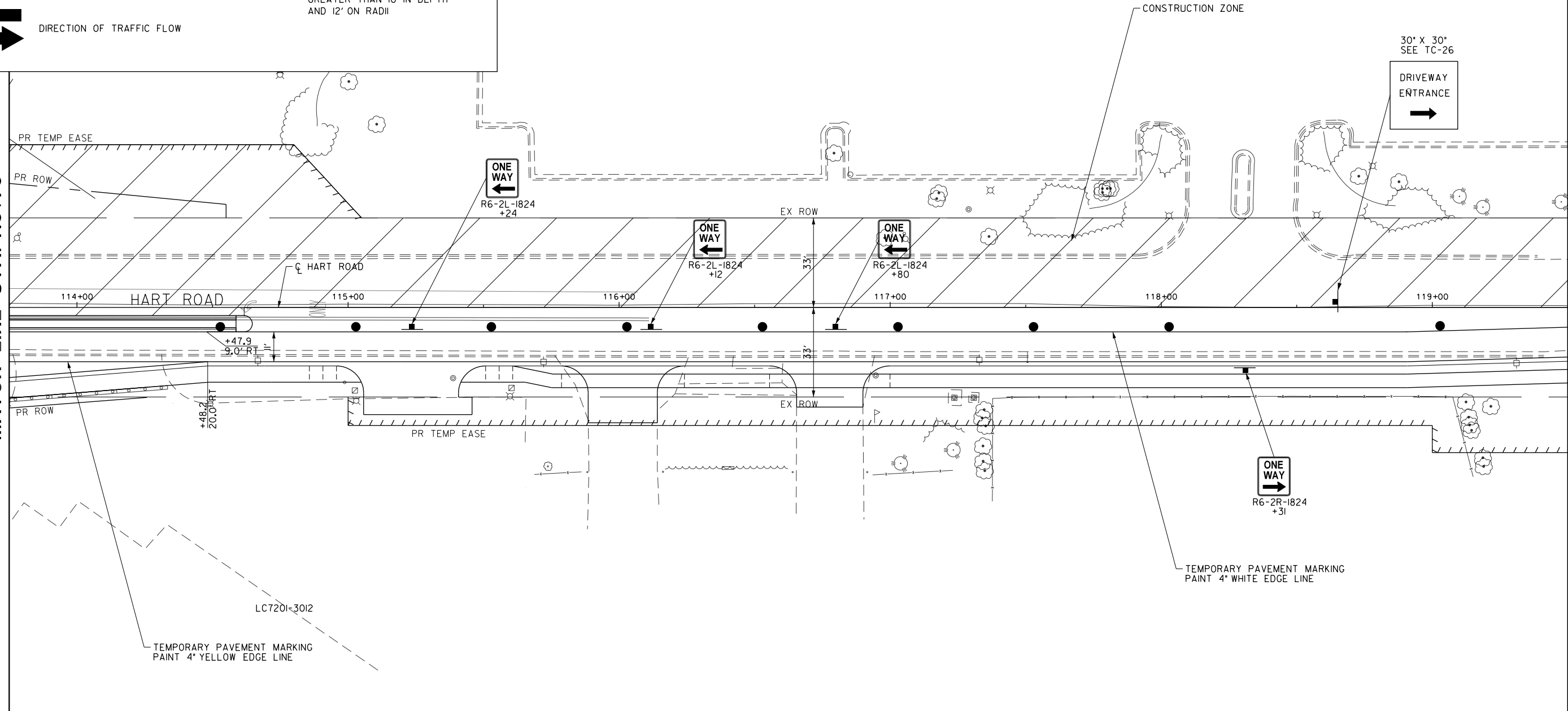
LEGEND

-  CONSTRUCTION WORK ZONE
-  TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
-  IMPACT ATTENUATORS, TL3
-  TEMPORARY CONCRETE BARRIER
-  DIRECTION OF TRAFFIC FLOW
-  DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
-  TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
-  VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII



SEE SHEET NO. 127
MATCH LINE STA. 113+75

MATCH LINE STA. 119+50
SEE SHEET NO. 132



FILE NAME: G:\CH09\0176\Road\Sheet\108084-MOT-HARTROAD-STAGE2-01.dgn



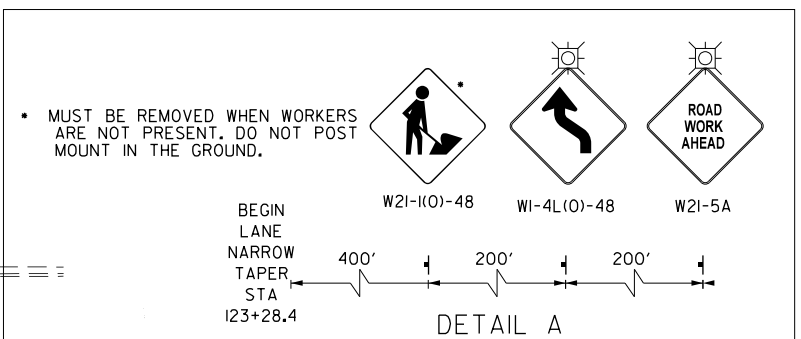
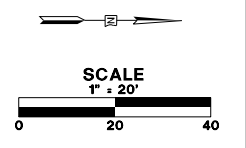
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

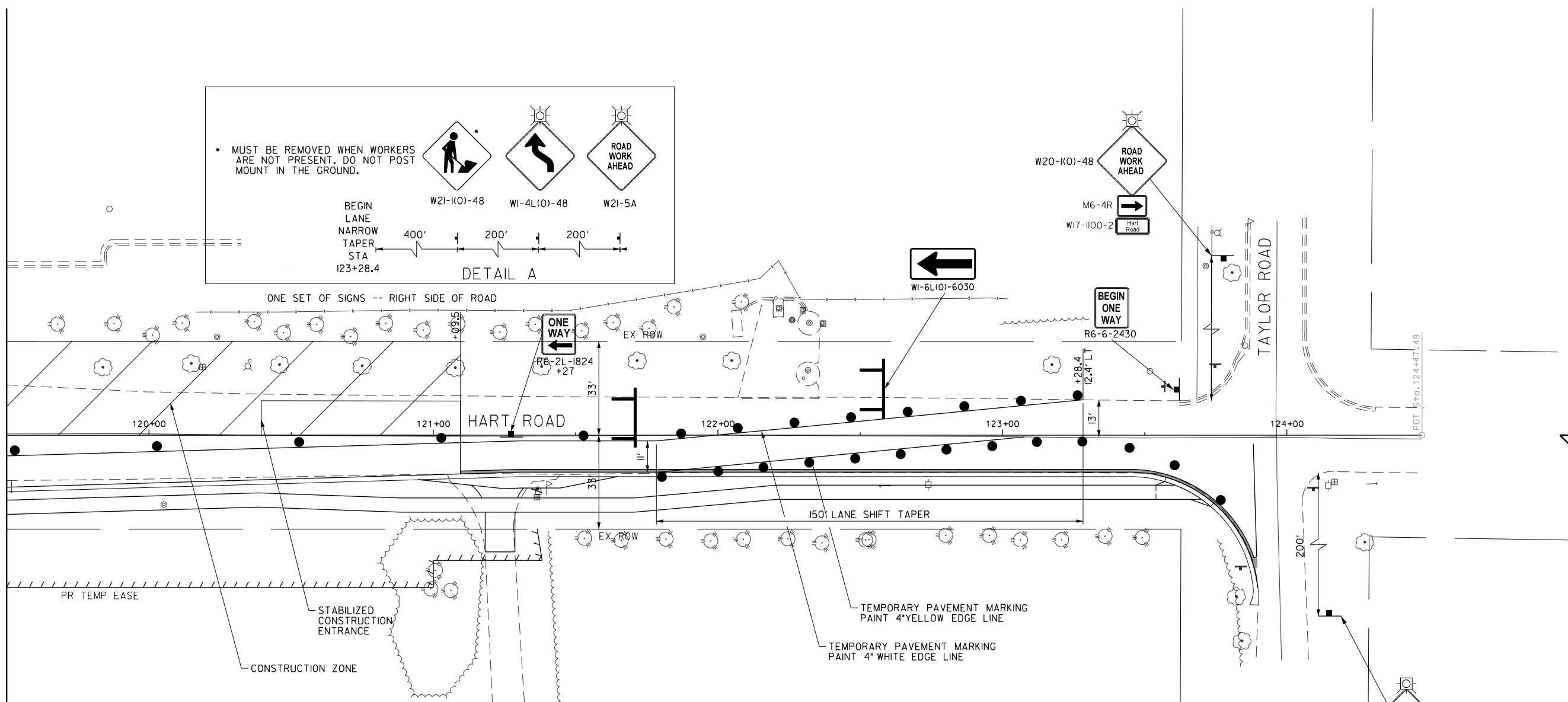
TRAFFIC CONTROL STAGE 2

SCALE: 1:20 SHEET 20 OF 21 SHEETS STA. 113+75.00 TO STA. 119+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	131
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



SEE SHEET NO. 131
MATCH LINE STA. 119+50



LEGEND	
	CONSTRUCTION WORK ZONE
	TEMPORARY PAVEMENT TO BE CONSTRUCTED PRIOR TO STAGE I
	IMPACT ATTENUATORS, TL3
	TEMPORARY CONCRETE BARRIER
	DIRECTION OF TRAFFIC FLOW
	DRUMS OR TY BARRICADES WITH STEADY BURN MONO-DIRECTIONAL LIGHT @ 50' C-C (TYP), 25' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS
	TYPE III BARRICADES WITH TWO (2) FLASHING LIGHTS
	VERTICAL PANELS WITH STEADY BURN LIGHTS @ 50' C-C (TYP) - 25' C-C IN TAPERS, CURVES AND ADJACENT TRENCHES GREATER THAN 10' IN DEPTH AND 12' ON RADII

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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL STAGE 2

SCALE: 1:20 SHEET 21 OF 21 SHEETS STA. 119+50.00 TO STA. 125+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	132
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

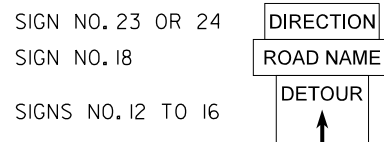
NOTES:

- CHANGEABLE MESSAGE SIGNS ARE TO BE PLACED THREE WEEKS PRIOR TO THE START OF THE DETOUR. CHANGEABLE MESSAGE SIGNS TO BE PAID FOR SEPARATELY (NOT INCLUDED IN COST OF DETOUR).
- THE COST OF THE DETOUR SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- THE HART ROAD NORTHBOUND LANE SHALL BE CLOSED NORTH OF U.S. ROUTE 14 TO TAYLOR ROAD.
- HART ROAD NORTHBOUND AND SOUTHBOUND LANES SHALL BE CLOSED SOUTH OF U.S. ROUTE 14 TO SOUTHERN MOST PROJECT LIMITS.
- THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET NO. 134 FOR THE DETOUR GENERAL NOTES.
- SEE SHEET NO. 135 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
- A MINIMUM OF SIX (6) TYPE III BARRICADES WILL BE NEEDED FOR THIS DETOUR AND ROAD CLOSURE. SEE DETOUR GENERAL NOTE 10.
- PRIOR TO AND AT THE CONCLUSION OF THE DETOUR PLAN, THE TRAFFIC CONTROL PLAN SHOWN ON SHEET NO. 119 TO SHEET NO. 124 SHALL BE IN EFFECT.

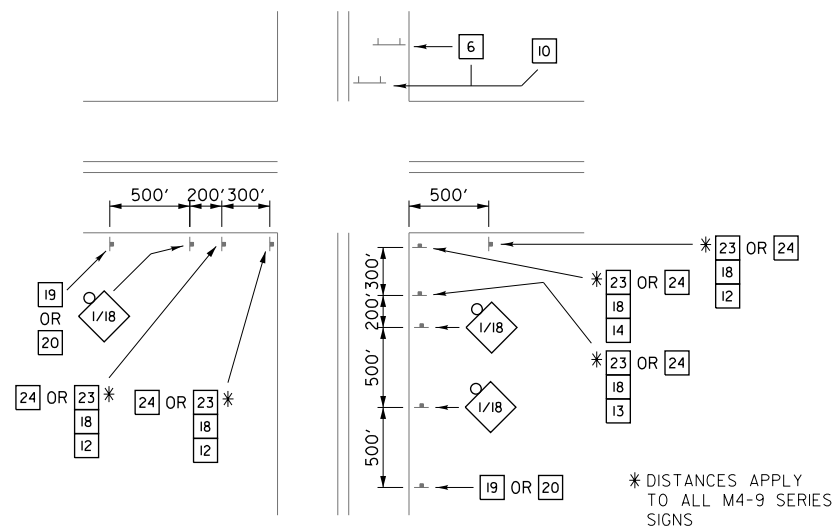
LEGEND

- SIGN
- DETOUR ROUTE FOR HART ROAD TRAFFIC
- ROAD CLOSED
- 48"x48" CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
- TYPE III BARRICADE WITH AMBER FLASHING LIGHT
- DETOUR ROUTE
- TRAFFIC SIGNAL
- (X) DESIGNATES NUMBER OF TYPE III BARRICADES NEEDED

TYPICAL DETOUR ASSEMBLY SIGN

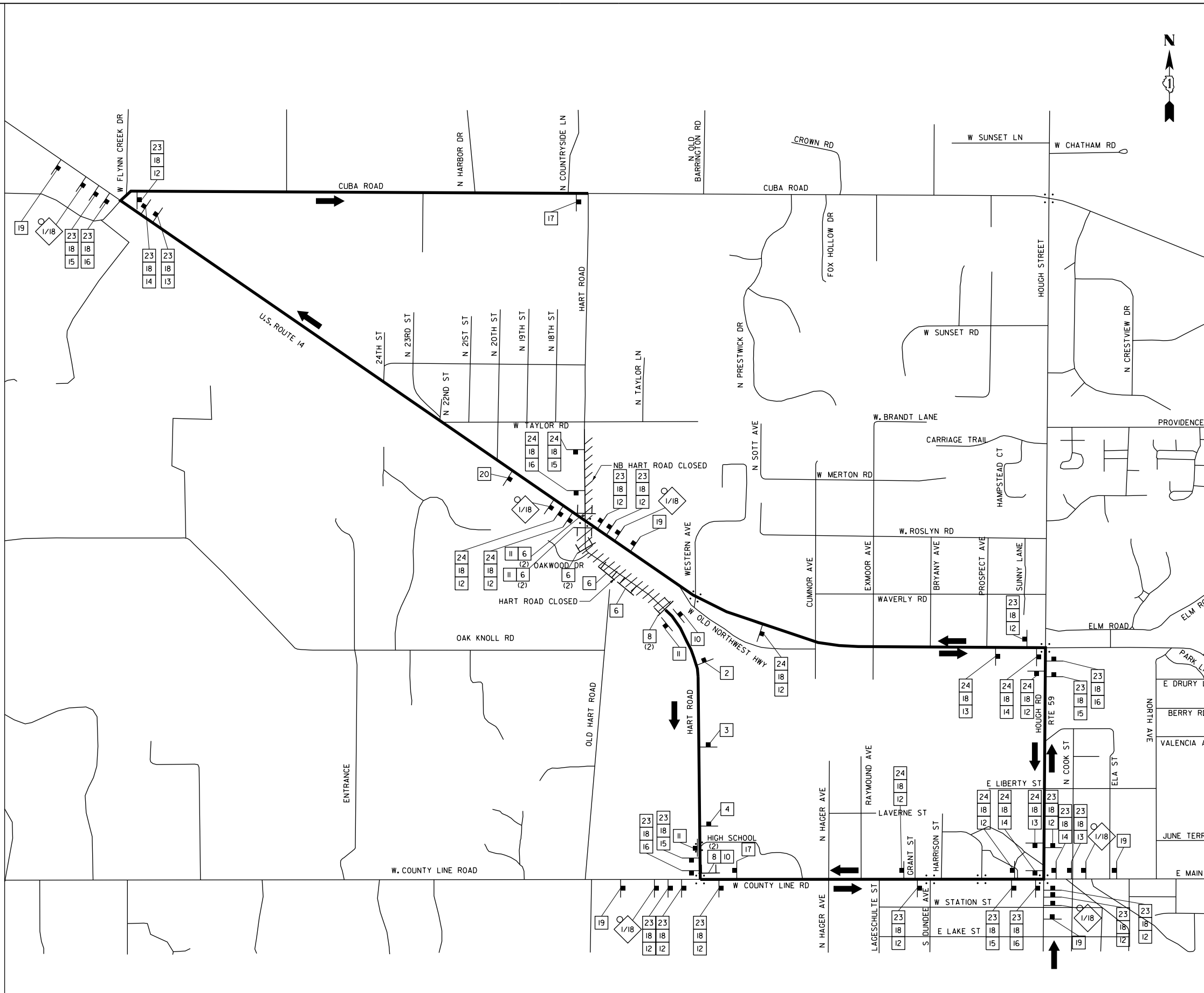


TYPICAL INTERSECTION AT POINT OF DETOUR:



THE DURATION OF THE DETOUR SHALL BE DETERMINED BY BARRINGTON HIGH SCHOOL'S SCHEDULE. THE DETOUR CAN ONLY BE IN PLACE WHILE THE HIGH SCHOOL IS NOT IN SESSION (I.E. OUT FOR SUMMER BREAK). IT IS ESTIMATED THAT THE HIGH SCHOOL WILL NOT BE IN SESSION FROM APPROXIMATELY MAY 29TH TO APPROXIMATELY AUGUST 17TH. CONTRACTOR MUST COORDINATE WITH THE ENGINEER TO DETERMINE EXACT DATES.

THE PENALTY FOR EXCEEDING THE DURATION SHALL BE \$2,300.00 PER CALENDAR DAY



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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SCALE: H200 SHEET 1 OF 3 SHEETS STA. TO STA.

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 133
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SIGN NO.	SIGN	SIGN TYPE	QUANTITY	SIGN NO.	SIGN	SIGN TYPE	QUANTITY
1		W20-2 (O) 48	6	15		M4-9L (O) 3021	5
2		W20-3 (O) 48	1	16		M4-9L (O) 3021	5
3		W20-3 (O) 48	1	17		M4-8a (O) 2418	2
4		W20-3 (O) 48	1	18		SPECIAL (O) 9 VARIABLE	41
5		W21-1100 (O) 48	0	19		SPECIAL (O) 6030	5
6		R11-2 4830	8	20		SPECIAL (O) 6030	1
7		R11-3 6030	0	21		SPECIAL (O) 4836	
8		R11-4 6030	4	22		SPECIAL (O) 4836	
9		R11-3 6030	0	23		M3-1 (O) 2412	23
10		M4-10R (O) 4818	3	24		M3-3 (O) 2412	12
11		M4-10L (O) 4818	6				
12		M4-9 (O) 3021	17				
13		M4-9R (O) 3021	4				
14		M4-9R (O) 3021	4				

DETOUR GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APR. 1, 2016", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION (LC-T-SECTION 700) AND THE L.C.D.O.T. DETOUR PROCEDURES AND GUIDELINES.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER, A PRE- CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE LAKE COUNTY DIVISION OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:

THOMAS BENNECKE
LAKE COUNTY DIVISION OF TRANSPORTATION
TRAFFIC DEPARTMENT
600 W. WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048
(847) 377-7000
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED, THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18"x18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK: STANDARD 701901
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE DURATION OF THE DETOUR SHALL BE DETERMINED BY BARRINGTON HIGH SCHOOL'S SCHEDULE. THE DETOUR CAN ONLY BE IN PLACE WHILE THE HIGH SCHOOL IS NOT IN SESSION (I.E. OUT FOR SUMMER BREAK). IT IS ESTIMATED THAT THE HIGH SCHOOL WILL NOT BE IN SESSION FROM APPROXIMATELY MAY 29TH TO APPROXIMATELY AUGUST 17TH. THE CONTRACTOR SHALL COORDINATE WITH THE HIGH SCHOOL TO DETERMINE THE EXACT DATES. WHEN THE SCHOOL IS IN SESSION, TRAFFIC PATTERNS MUST BE RETURNED BACK TO EXISTING CONDITIONS AT A MINIMUM.
- THE PENALTY FOR EXCEEDING THE DURATION SHALL BE \$2,300.00 PER CALENDAR DAY.

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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

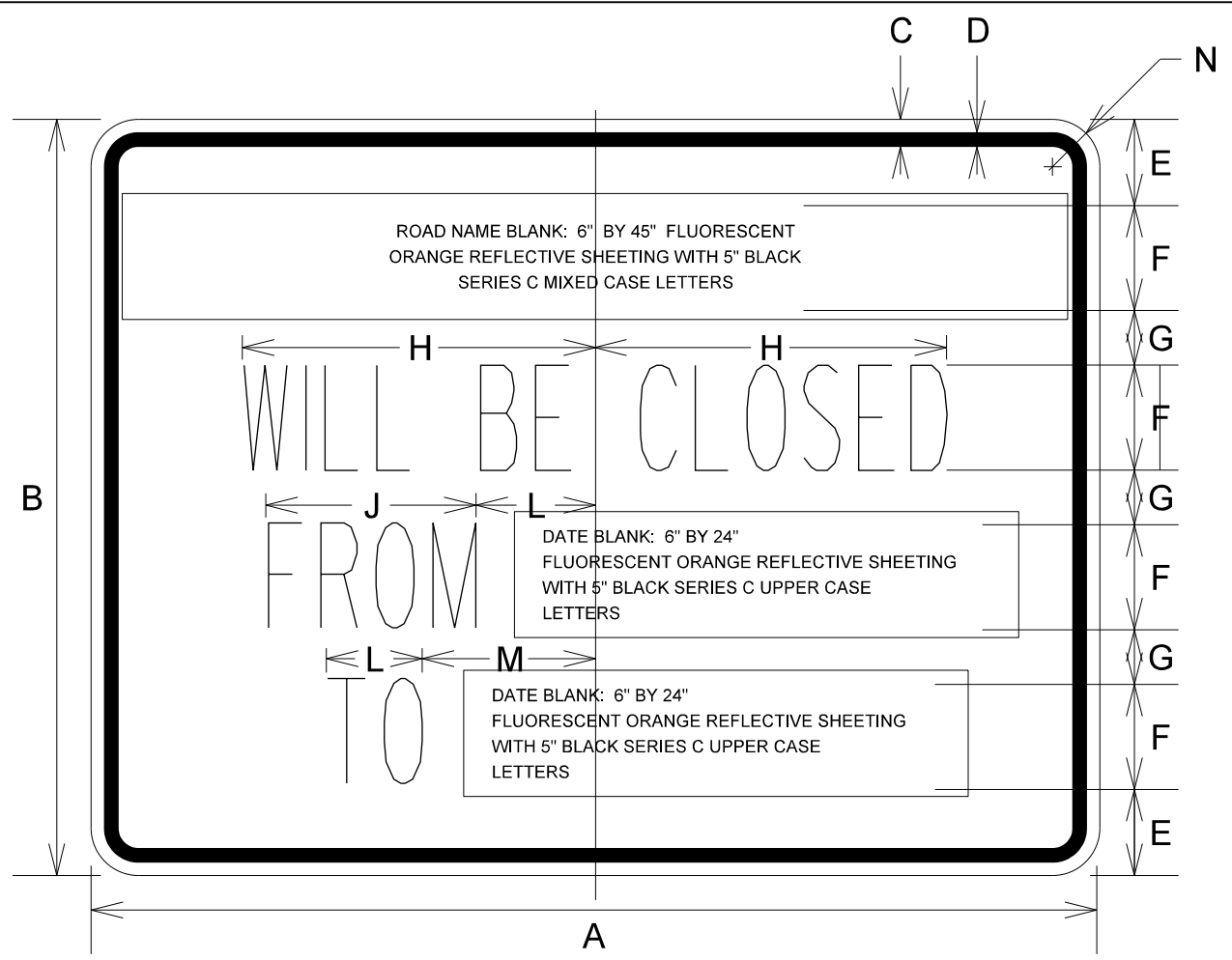
DETOUR PLAN
SCHEDULE OF QUANTITIES & GENERAL NOTES

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	134
SHEET 2 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 61D65	
ILLINOIS FED. AID PROJECT				

NUMBER OF SIGNS 7



DATES SHOWN ARE FOR EXAMPLE ONLY



DIMENSIONS (ENGLISH)

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

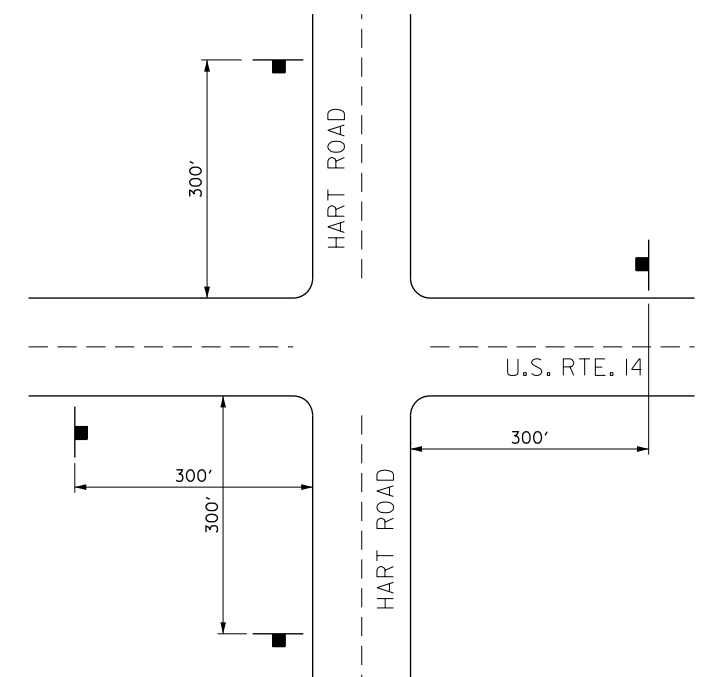
NOTE: SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5 INCH (125 mm) BLACK SERIES C LETTERS

LOCATIONS OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION

- S.B. HART ROAD APPROACHING U.S. ROUTE 14
- S.B. HART ROAD, SOUTH OF U.S. ROUTE 14
- E.B. U.S. ROUTE 14 APPROACHING HART ROAD
- W.B. U.S. ROUTE 14 APPROACHING HART ROAD
- N.B. HART ROAD, NORTH OF W COUNTY LINE ROAD
- E.B. W COUNTY LINE ROAD APPROACHING HART ROAD
- W.B. W COUNTY LINE ROAD APPROACHING HART ROAD

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

SIGN LAYOUT FOR PRE-DETOUR INFORMATION SIGNS AT THE INTERSECTION OF U.S. RTE. 14 AND HART ROAD. SIGNS AT W COUNTY LINE ROAD AND HART ROAD WILL BE INSTALLED IN A SIMILAR FASHION



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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SCALE: 1:20 SHEET 3 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	135
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

LCSMC SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES:

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.

AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

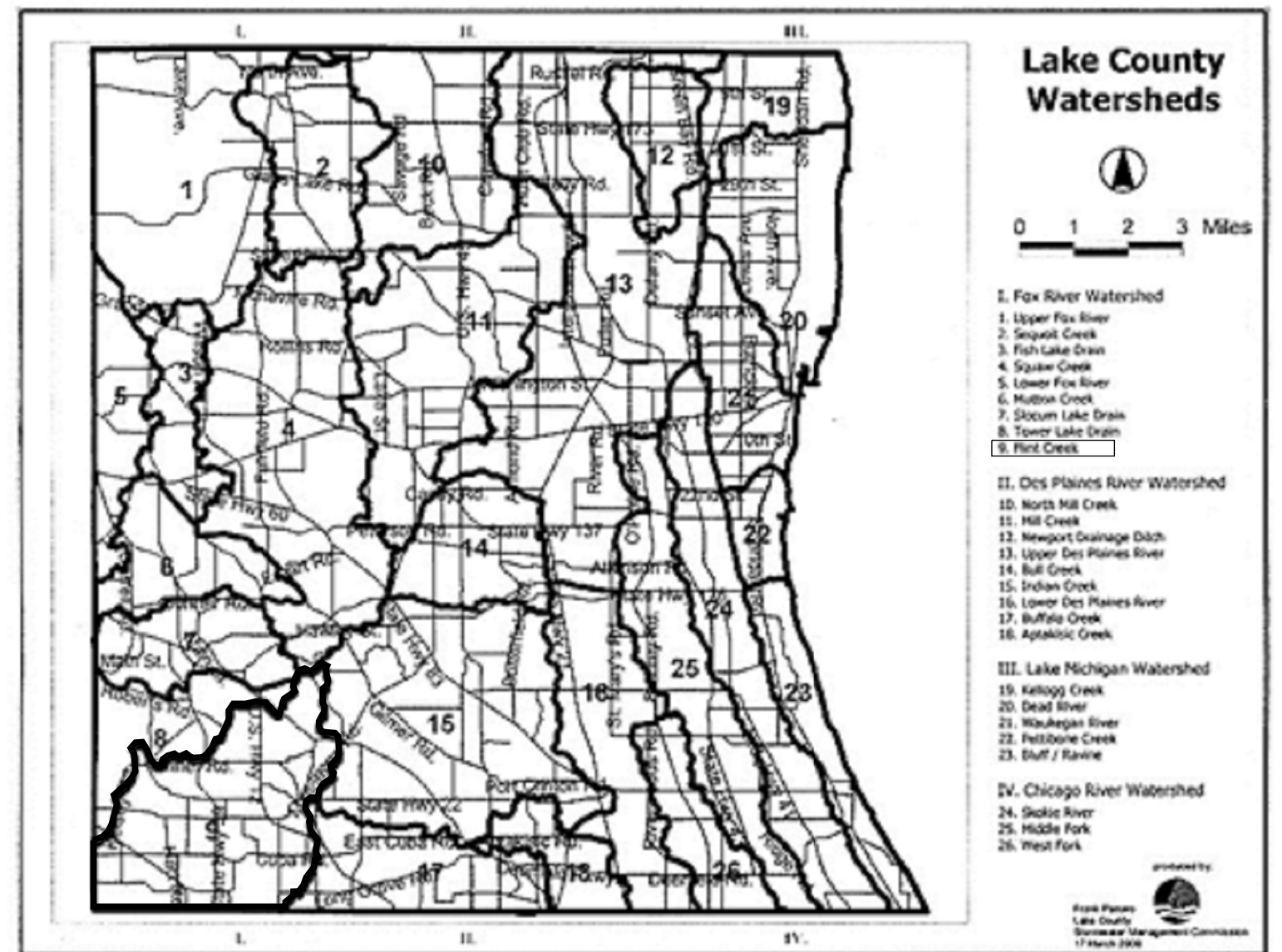
LCDOT SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES:

- A. AREAS OR EMBANKMENTS WITH 2:1 SLOPES OR STEEPER SHALL BE STABILIZED WITH SOD OR EROSION CONTROL BLANKET (SPECIAL) IN COMBINATION WITH SEEDING.
- B. ANY SEDIMENT OR SOIL TRACKED OFF THE SITE SHALL BE REMOVED BY SCRAPING OR STREET SWEEPING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING ALL EXISTING AREAS (TO REMAIN) AFFECTED BY CONSTRUCTION ACTIVITIES, EQUIPMENT, OR LABORERS TO THE ORIGINAL UNDISTURBED CONDITIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL THE COMPLETION OF THE CONTRACT.
- D. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT ONE (1) FOOT OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK, CULVERT, OR STORM SEWER CONSTRUCTION.
- E. THE PERIMETER EROSION BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AT THIS TIME, THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND AREAS DAMAGED BY THE PERIMETER EROSION BARRIER REMOVAL SHALL BE RESTORED. THE RESTORATION OF THE AREA DISTURBED BY THE PERIMETER EROSION BARRIER REMOVAL SHALL BE INCLUDED IN THE PAY ITEM OF PERIMETER EROSION BARRIER.
- F. THE INSTALLATION & REMOVAL OF PERIMETER EROSION BARRIER SHALL BE PAID FOR UNDER THE ITEM OF PERIMETER EROSION BARRIER. MAINTENANCE OF PERIMETER EROSION BARRIER SHALL BE PAID FOR UNDER THE ITEM OF MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.
- G. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD DETAIL SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE DITCH CHECKS SHALL BE INSTALLED AS GRADING PROGRESSES THROUGH THE PROJECT.
- H. ALL SEEDED AREAS SHALL BE COVERED WITH EROSION CONTROL BLANKET.

SOIL EROSION AND SEDIMENT CONTROL PROJECT NOTES:

- 1. NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE SITE OTHER THAN THROUGH SEDIMENTATION/SETTLING BASINS; THE CONTRACTOR WILL ADJUST HIS OPERATIONS AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
- 2. THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE AND SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.
- 3. EROSION CONTROL MEASURES SHALL BE INSPECTED 24 HOURS AFTER ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
- 4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA AND IDOT CONSTRUCTION MEMORANDAM NO. 95-60.
- 5. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SEQUENCE OF STAGE CONSTRUCTION.
- 6. AS WORK PROGRESSES, ALL SLOPES STEEPER THAN 3:1 ON CUT OR EMBANKMENT AREAS THAT ARE CONSTRUCTED TO A HEIGHT OF 5 FEET OR MORE SHALL BE SEEDDED IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE SHALL BE SEEDDED AND MULCHED WITHIN SEVEN (7) CALENDAR DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. STOCKPILES SHALL BE SEEDDED WITH TEMPORARY EROSION CONTROL SEEDING. SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS SPECIFIED TO COVER THE LIMITS OF LANDSCAPING ZONE.
- 7. INLET FILTERS SHALL BE OF THE BASKET TYPE.

THIS PROJECT IS LOCATED IN THE FLINT CREEK WATERSHED (*9)



NPDES STATEMENT

THIS PROJECT DISTURBS 14.03 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

SOIL EROSION AND SEDIMENT CONTROL PROJECT NOTES (CONTINUED):

- 8. PERIMETER EROSION BARRIER SHALL BE INSTALLED PER LCDOT SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTE D OR 2 FEET OUTSIDE WETLANDS AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK, CULVERT, OR STORM SEWER CONSTRUCTION.
- 9. IN ORDER TO MAINTAIN THE INTEGRITY OF THESE SESC MEASURES, MAINTENANCE WILL BE CONDUCTED AS FOLLOWS:
 - A. INSPECTIONS WILL BE DONE WEEKLY, AND AFTER ANY RAIN (OR EQUIVALENT SNOWFALL) EVENTS OF 1/2 INCH OR GREATER, DURING THE WINTER SHUTDOWN PERIOD.
 - B. CONTRACTORS WILL MONITOR AND, IF NECESSARY, CONDUCT MAINTENANCE ON THE PERMANENT BEST MANAGEMENT PRACTICES (BMPs) UPON COMPLETION OF CONSTRUCTION. MONITORING AND MAINTENANCE WILL INCLUDE CONDUCTING INSPECTIONS TO ENSURE SUCCESSFUL FUNCTION OF THE PERMANENT SESC MEASURES. MONITORING AND MAINTENANCE WILL OCCUR UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED.

SOIL EROSION AND SEDIMENT CONTROL PROJECT NOTES (CONTINUED):

- 10. STRAW/HAY BALES AS SHOWN ON IDOT HIGHWAY STANDARD 28001-07 FOR INLET AND PIPE PROTECTION SHALL NOT BE ALLOWED.
- 11. EXISTING TOPSOIL THAT HAS BEEN STRIPPED FROM THE PROJECT SITE SHALL BE STOCKPILED IN AREAS OF THE EXISTING ROADWAY OF THE CLOSED PORTION OF HART ROAD, SOUTH OF THE UNION PACIFIC RAILROAD BETWEEN STA. 103+50 AND STA. 109+00. ACCESS TO THE DRIVEWAY AT STA. 108+60 (OAKWOOD DR.) SHALL NOT BE IMPEDED BY THE PRESENCE OF THE STOCKPILES. THE CONTRACTOR SHALL SORT AND REUSE AS MUCH OF THE EXISTING TOPSOIL AS POSSIBLE FOR THE PROPOSED LANDSCAPING IMPROVEMENTS.

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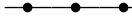




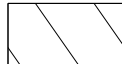

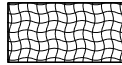
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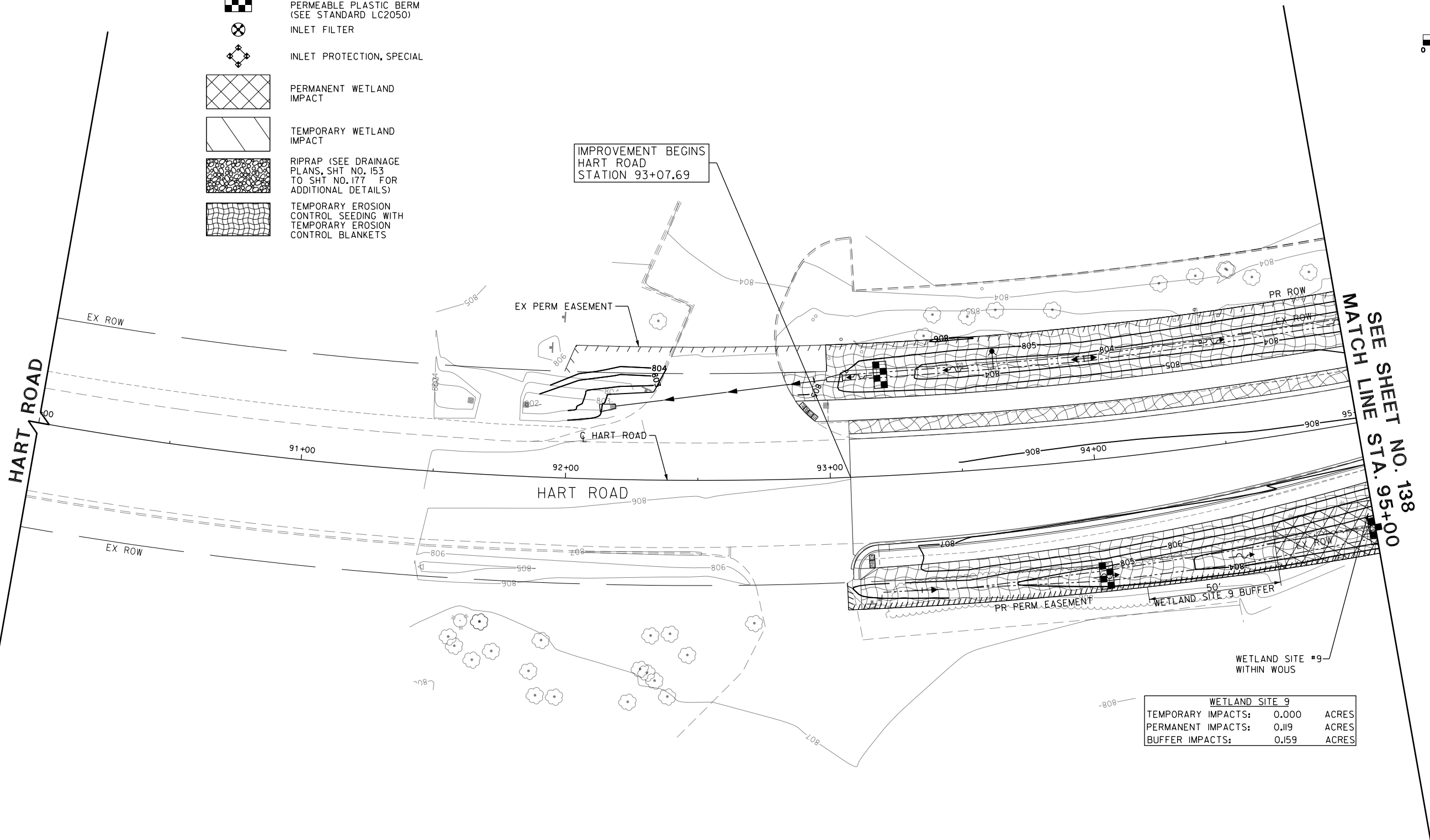
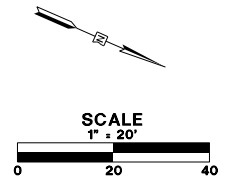
EROSION CONTROL PLAN

SCALE: 1:20 SHEET 1 OF 17 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	136
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

LEGEND

-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
-  TEMPORARY DITCH CHECK / PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
-  INLET FILTER
-  INLET PROTECTION, SPECIAL
-  PERMANENT WETLAND IMPACT
-  TEMPORARY WETLAND IMPACT
-  RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
-  TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS



WETLAND SITE #9	
TEMPORARY IMPACTS:	0.000 ACRES
PERMANENT IMPACTS:	0.119 ACRES
BUFFER IMPACTS:	0.159 ACRES

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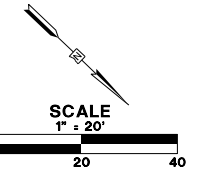
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DEPARTMENT OF TRANSPORTATION**

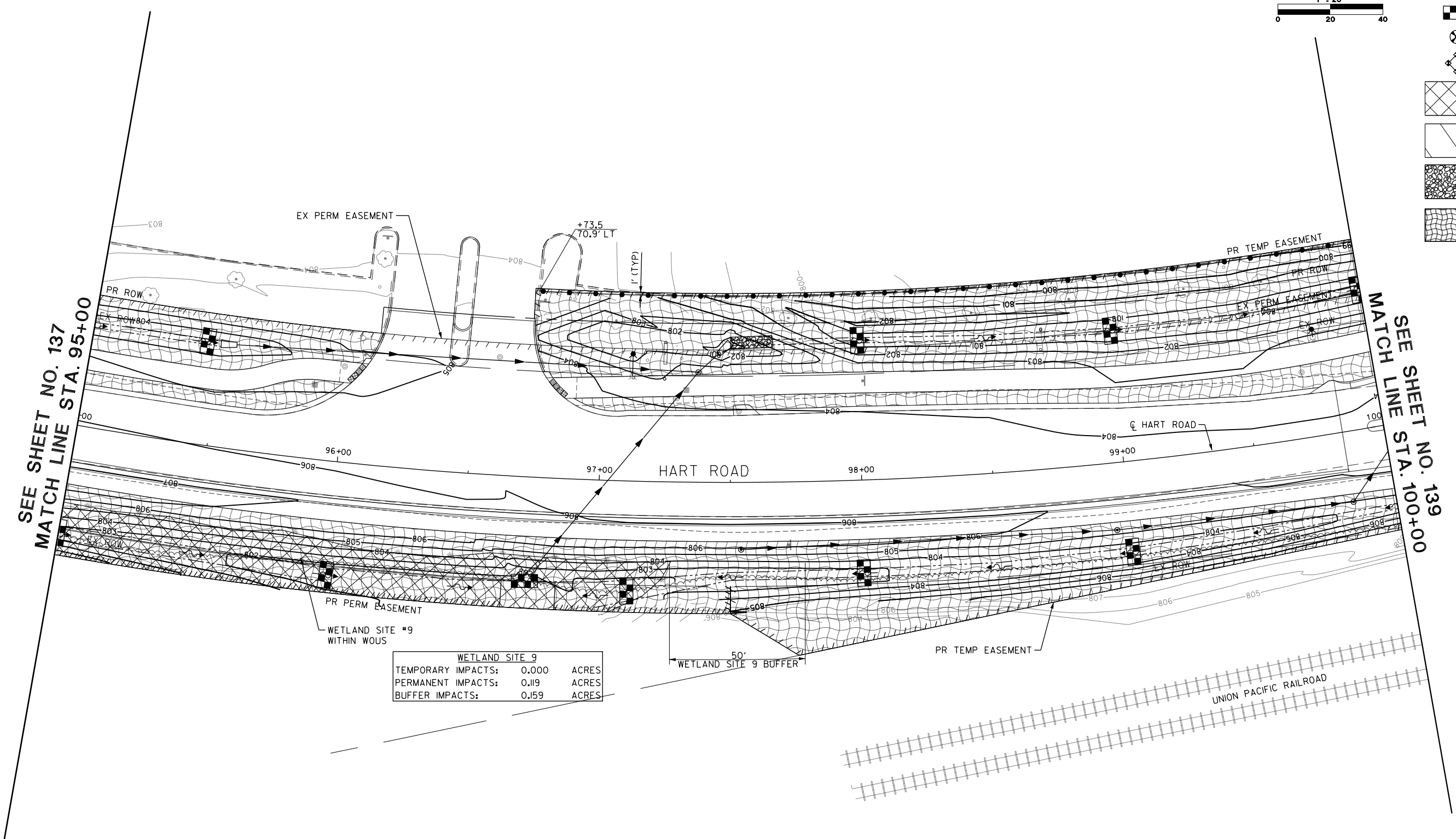
EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 2 OF 17 SHEETS STA. 90+00.00 TO STA. 95+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	137
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS



SEE SHEET NO. 137
MATCH LINE STA. 95+00

MATCH LINE STA. 100+00
SEE SHEET NO. 139

WETLAND SITE 9		
TEMPORARY IMPACTS:	0.000	ACRES
PERMANENT IMPACTS:	0.119	ACRES
BUFFER IMPACTS:	0.159	ACRES

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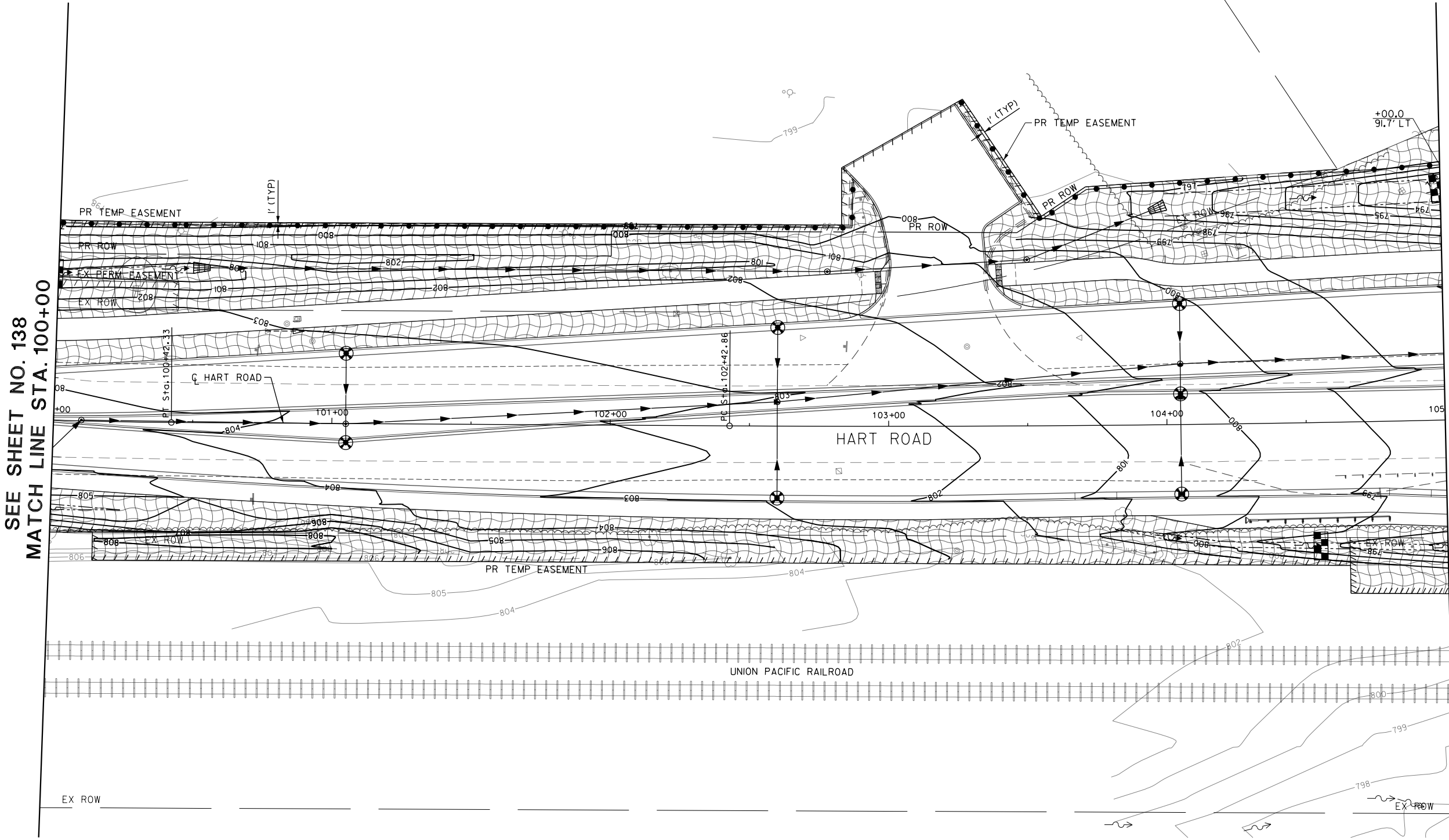
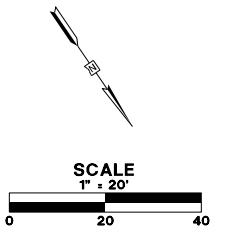
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 3 OF 17 SHEETS STA. 95+00.00 TO STA. 100+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	138
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 138
MATCH LINE STA. 100+00

SEE SHEET NO. 140
MATCH LINE STA. 105+00

- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC205)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

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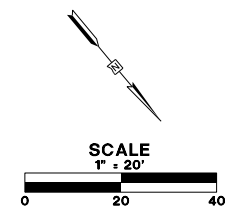


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EROSION CONTROL PLAN STAGE 1 & 2	
SCALE: 1:20	SHEET 4 OF 17 SHEETS
STA. 100+00.00 TO STA. 105+00.00	

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	139
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

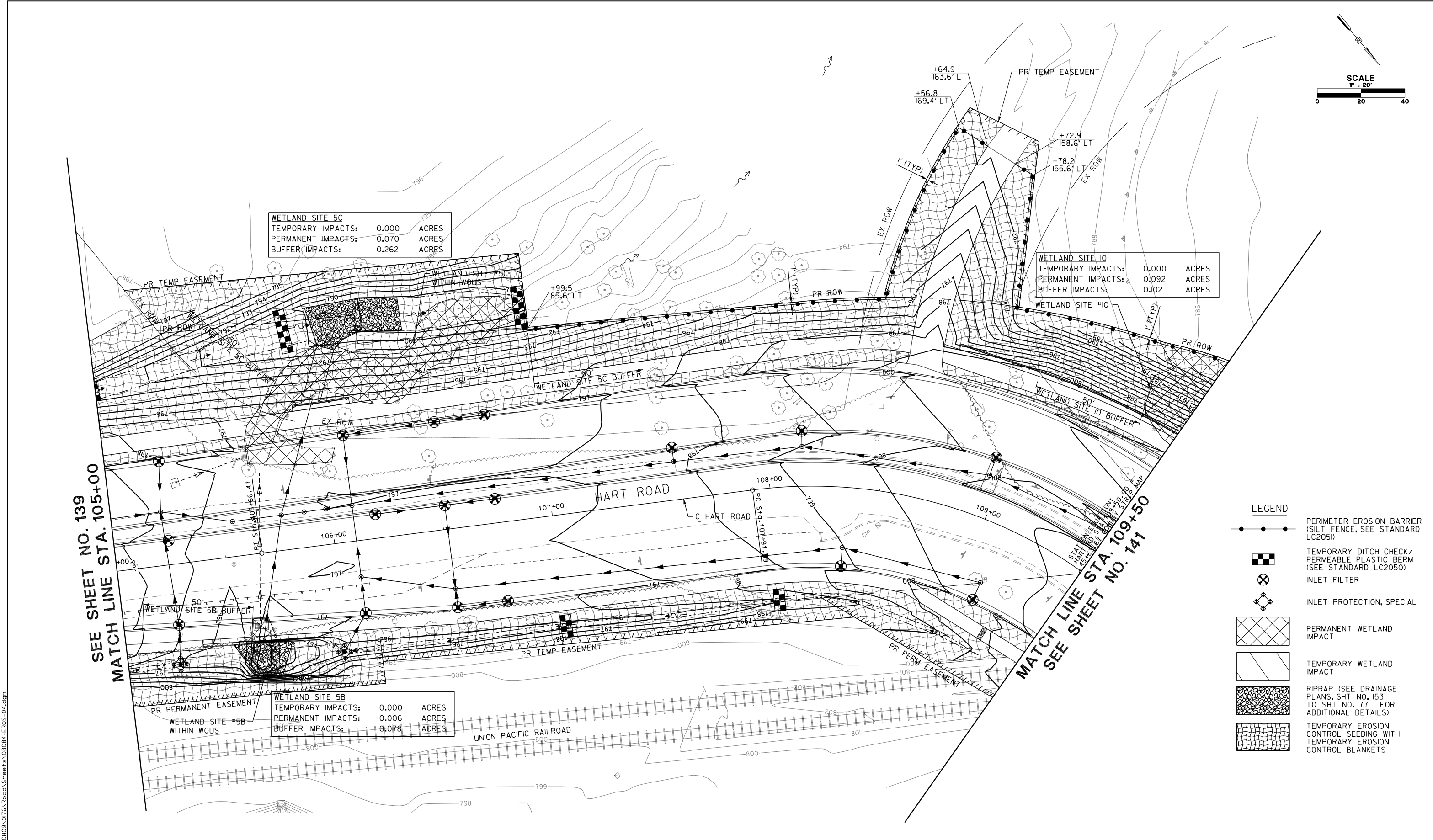


WETLAND SITE 5C		
TEMPORARY IMPACTS:	0.000	ACRES
PERMANENT IMPACTS:	0.070	ACRES
BUFFER IMPACTS:	0.262	ACRES

WETLAND SITE 10		
TEMPORARY IMPACTS:	0.000	ACRES
PERMANENT IMPACTS:	0.092	ACRES
BUFFER IMPACTS:	0.102	ACRES

WETLAND SITE 5B		
TEMPORARY IMPACTS:	0.000	ACRES
PERMANENT IMPACTS:	0.006	ACRES
BUFFER IMPACTS:	0.078	ACRES

- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC205)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS



SEE SHEET NO. 139
MATCH LINE STA. 105+00

MATCH LINE STA. 109+50
SEE SHEET NO. 141

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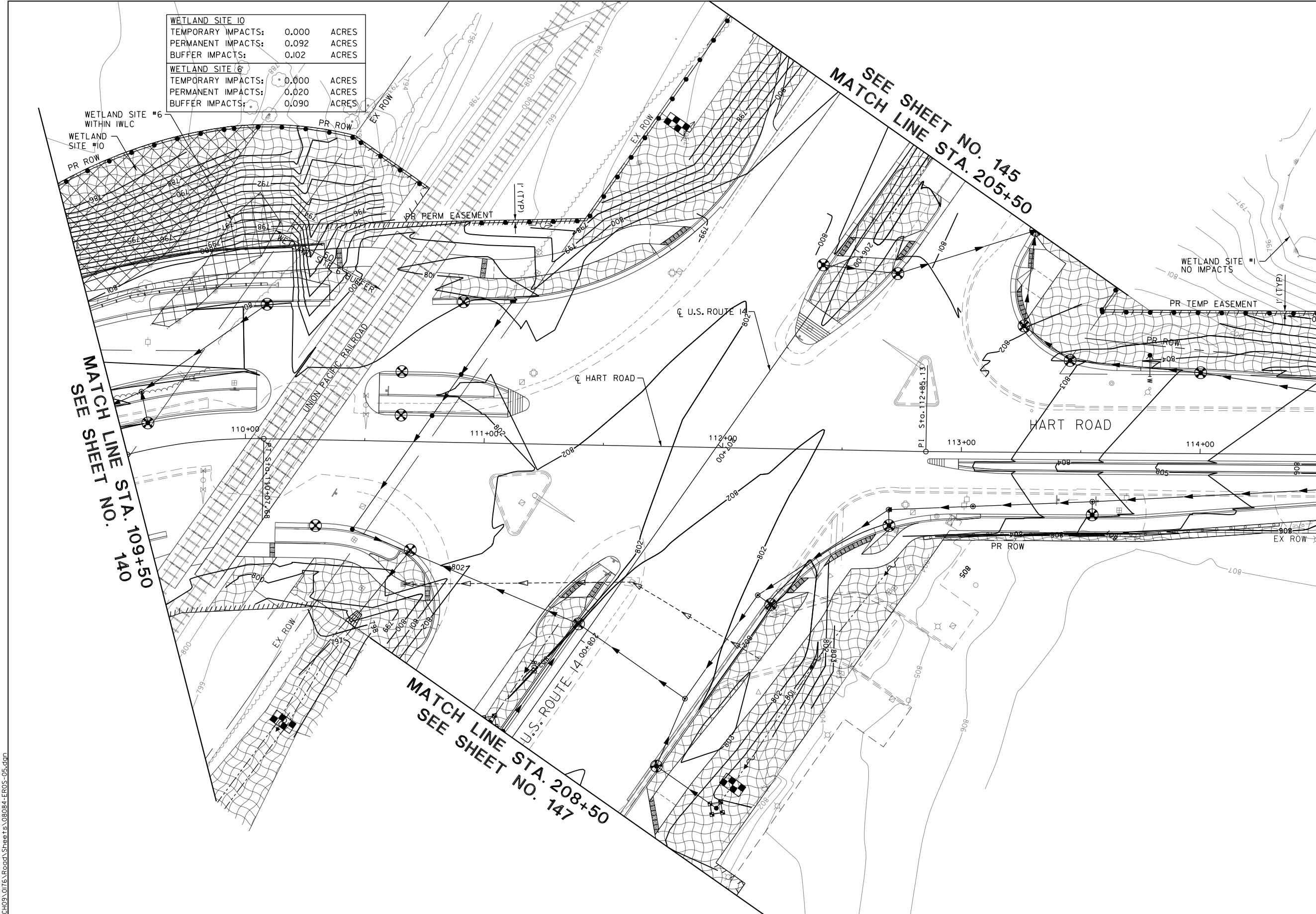
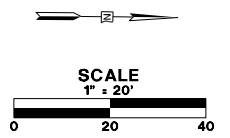
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EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 5 OF 17 SHEETS STA. 105+00.00 TO STA. 109+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	140
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

WETLAND SITE 10	
TEMPORARY IMPACTS:	0.000 ACRES
PERMANENT IMPACTS:	0.092 ACRES
BUFFER IMPACTS:	0.102 ACRES
WETLAND SITE 6	
TEMPORARY IMPACTS:	0.000 ACRES
PERMANENT IMPACTS:	0.020 ACRES
BUFFER IMPACTS:	0.090 ACRES



MATCH LINE STA. 114+50
SEE SHEET NO. 142

MATCH LINE STA. 109+50
SEE SHEET NO. 140

MATCH LINE STA. 205+50
SEE SHEET NO. 145

MATCH LINE STA. 208+50
SEE SHEET NO. 147

LEGEND

- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
- TEMPORARY DITCH CHECK/PERMEABLE PLASTIC BERM (SEE STANDARD LC205)
- INLET FILTER
- INLET PROTECTION, SPECIAL
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

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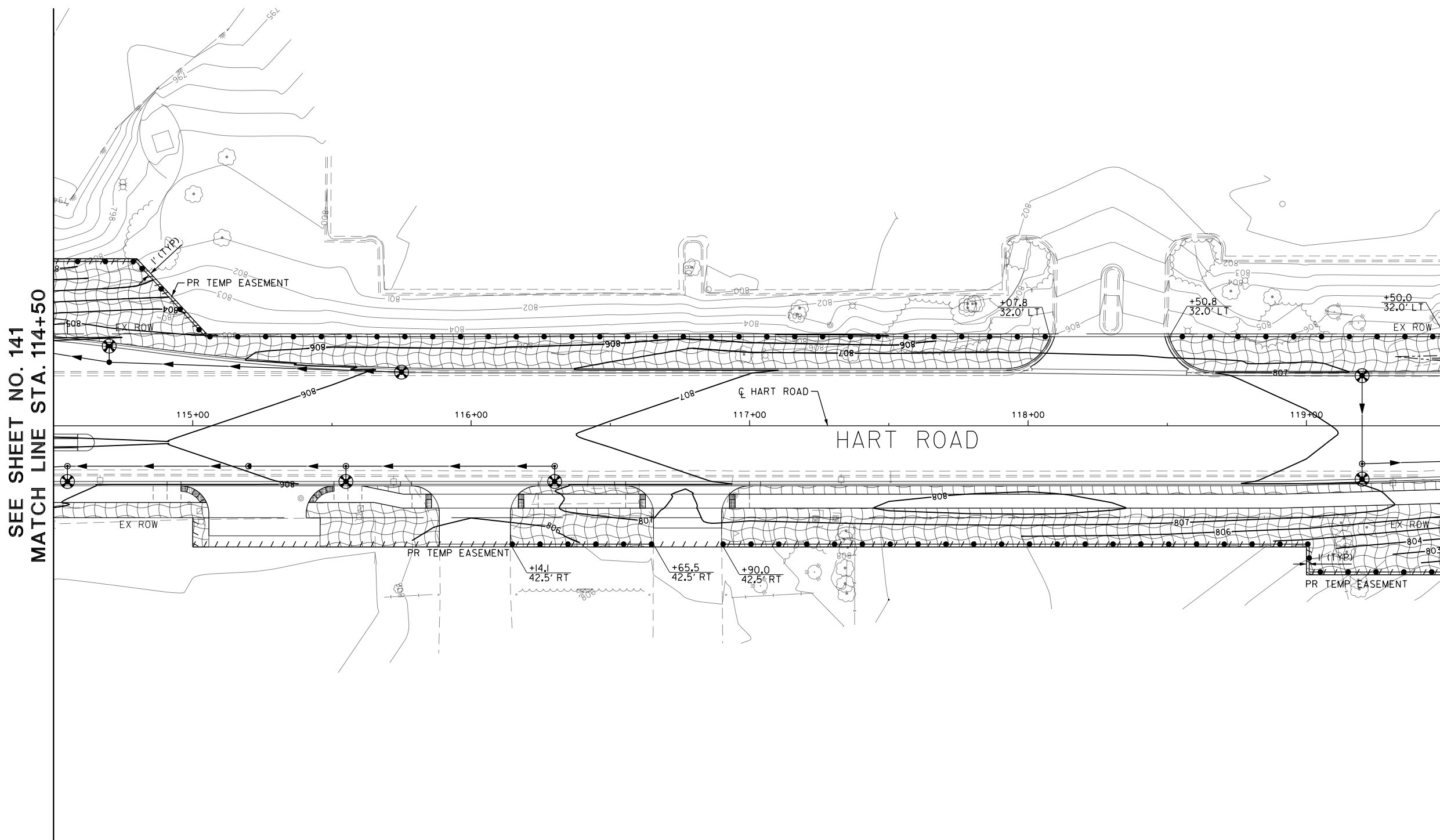
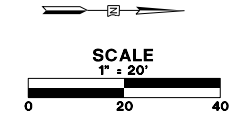
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EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 6 OF 17 SHEETS STA. 109+50.00 TO STA. 114+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	141
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 141
MATCH LINE STA. 114+50

MATCH LINE STA. 119+50
SEE SHEET NO. 143

- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

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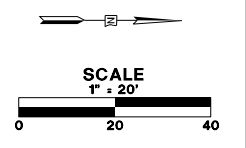
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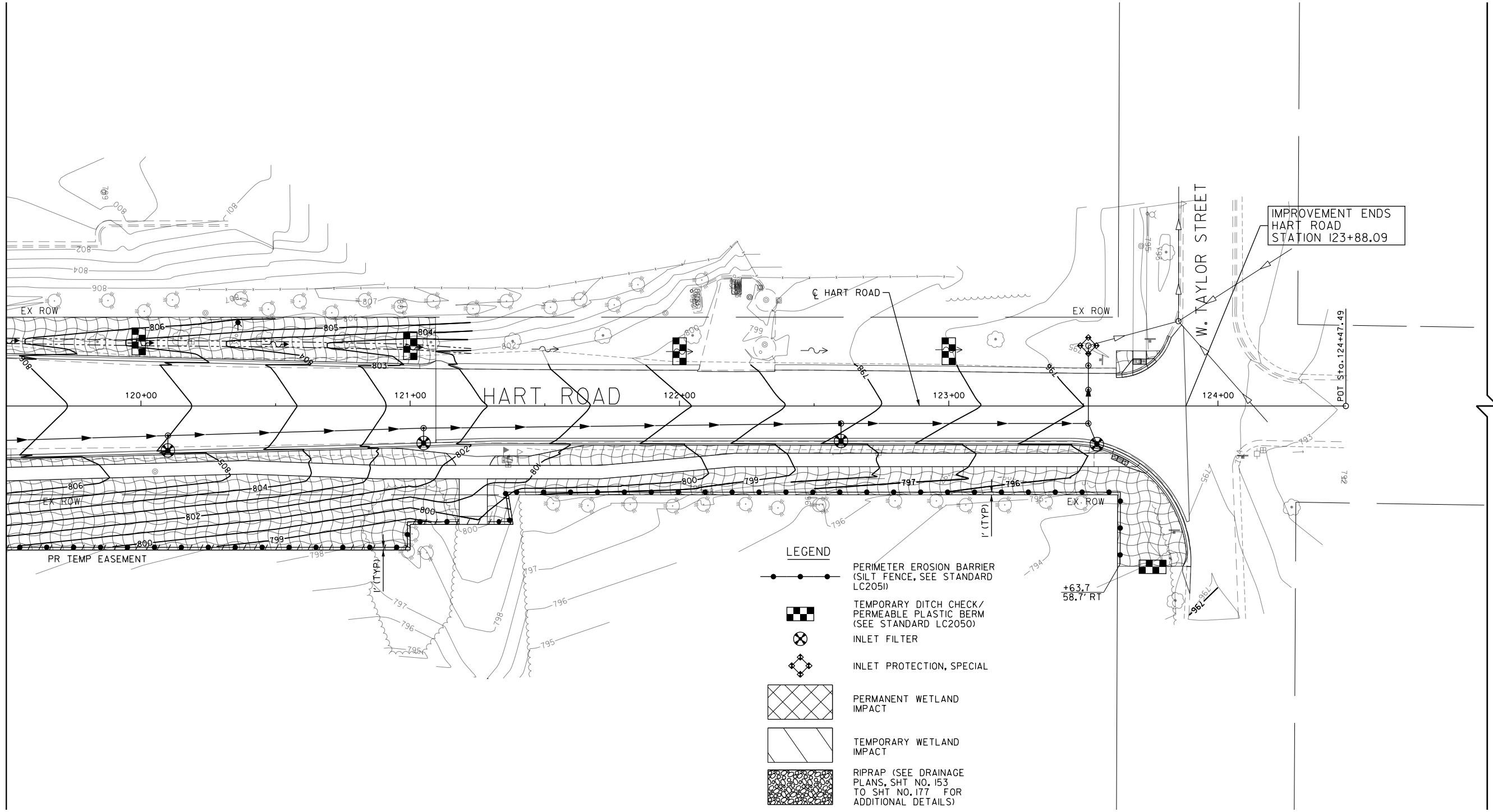
EROSION CONTROL PLAN STAGE

SCALE: 1:20 SHEET 7 OF 17 SHEETS STA. 114+00.00 TO STA. 119+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	142
			CONTRACT NO. 6ID65	
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 142
MATCH LINE STA. 119+50



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

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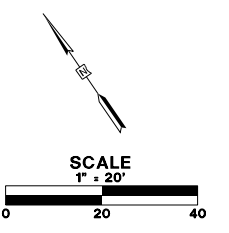
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PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

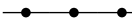




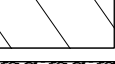


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

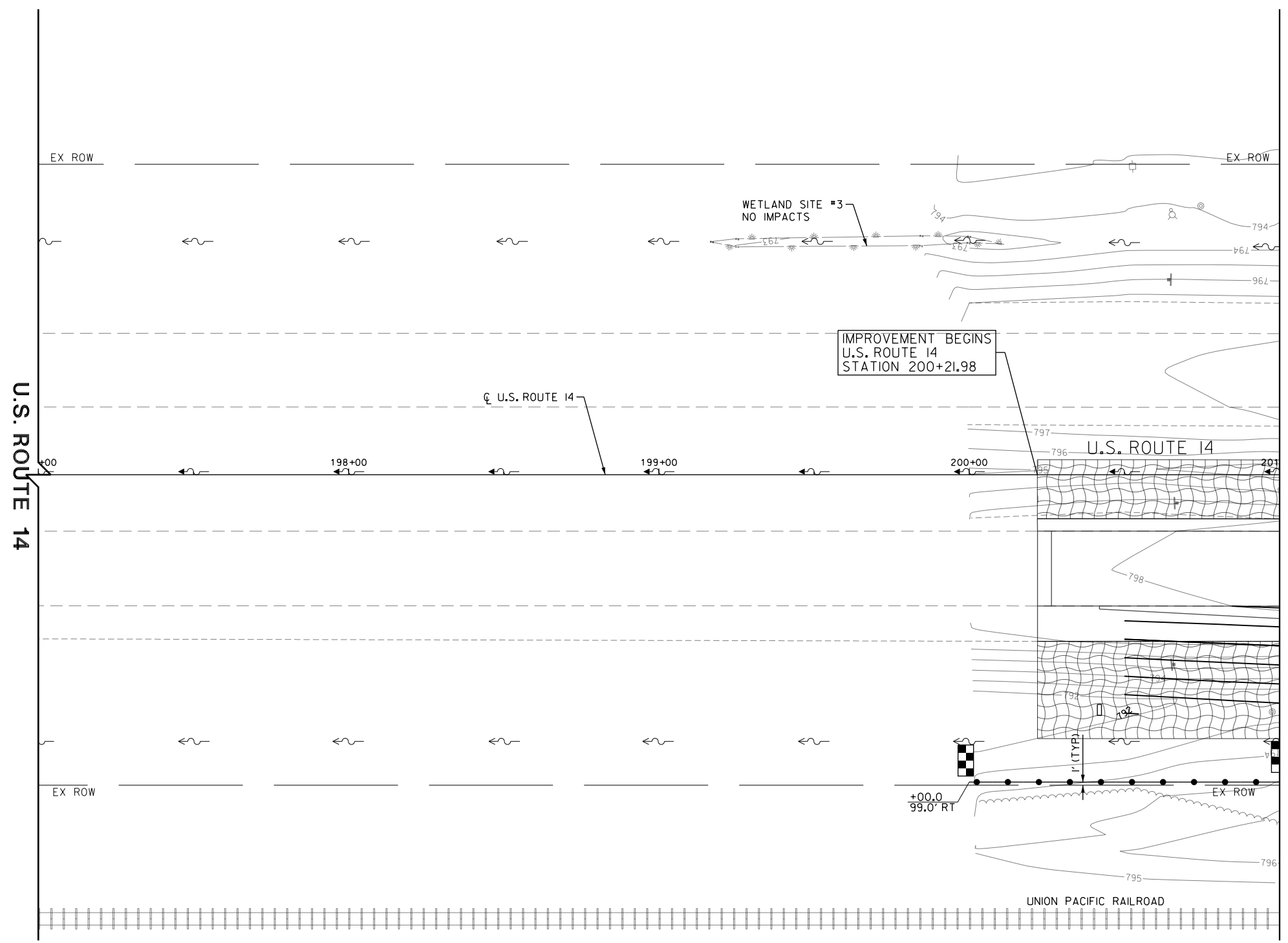
EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 8 OF 17 SHEETS STA. 119+50.00 TO STA. 125+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	143
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
 -  TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 -  INLET FILTER
 -  INLET PROTECTION, SPECIAL
 -  PERMANENT WETLAND IMPACT
 -  TEMPORARY WETLAND IMPACT
 -  RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 -  TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS



FILE NAME: G:\CH09\0176\Road\Sheets\108084-EROS-08.dgn



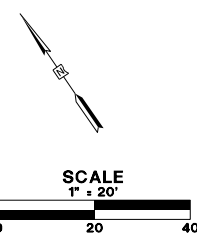
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 9 OF 17 SHEETS STA. 197+00.00 TO STA. 201+00.00

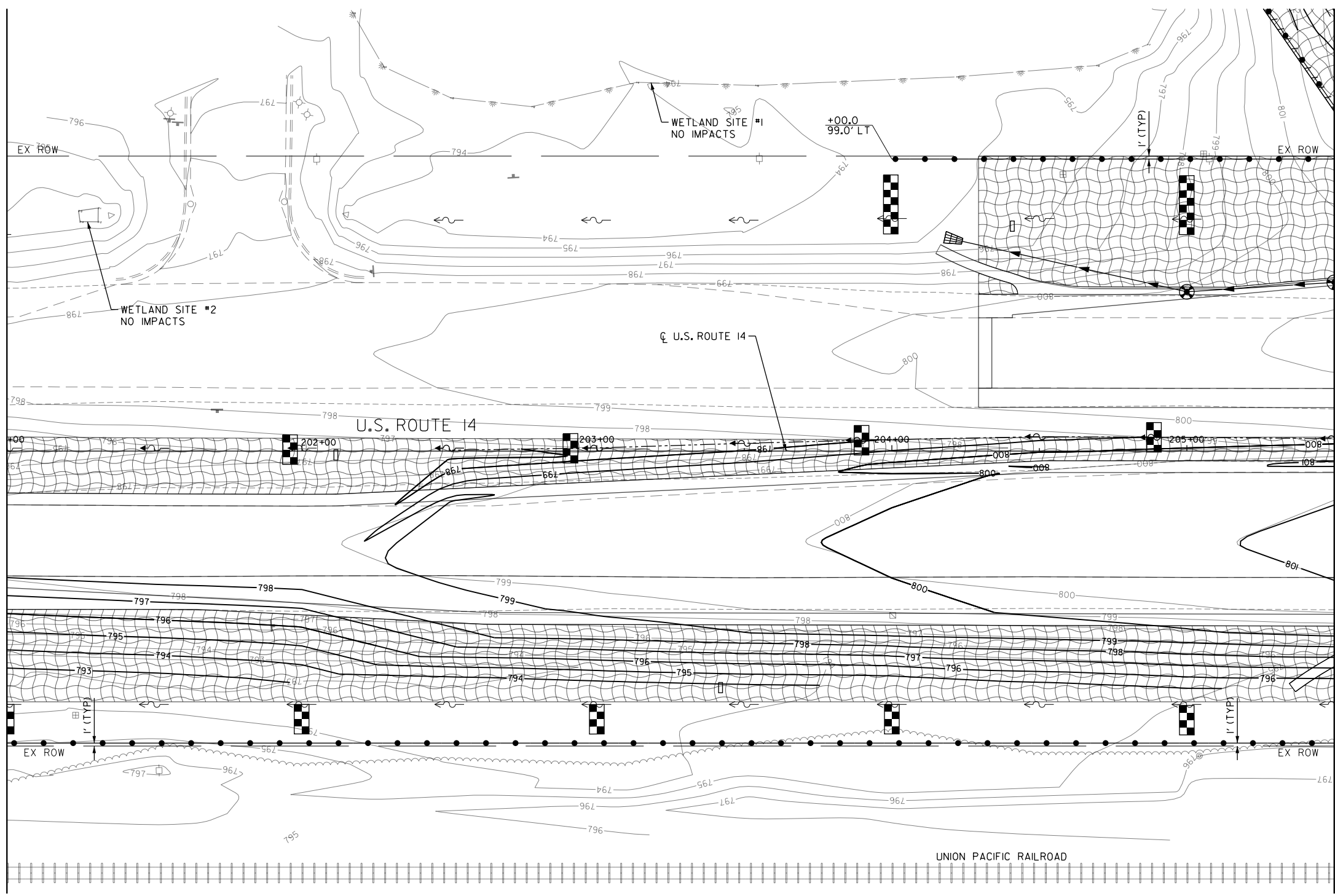
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	144
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2050)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

SEE SHEET NO. 144
MATCH LINE STA. 201+00

MATCH LINE STA. 205+50
SEE SHEET NO. 146



FILE NAME: G:\CH09\0176\Road\Sheets\108084-EROS-09.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2	
SCALE: 1:20	SHEET 10 OF 17 SHEETS
STA. 201+00.00 TO STA. 205+50.00	

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	145
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

FILE NAME: G:\CH09\0176\Road\Sheets\108084-ER05-0.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

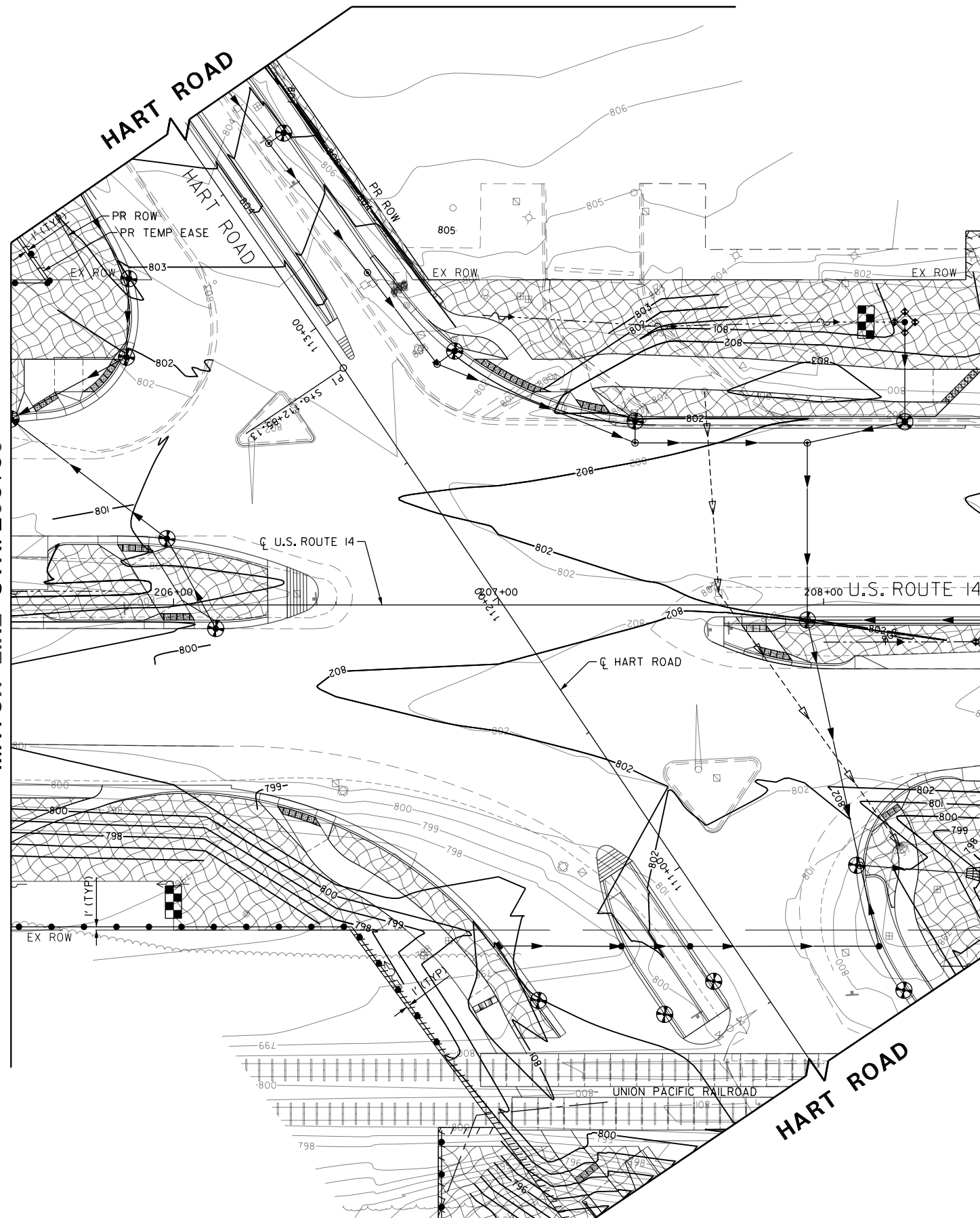
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

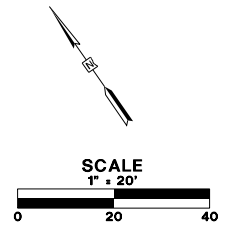
SCALE: 1"=20' SHEET II OF 17 SHEETS STA. 205+50.00 TO STA. 208+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	146
			CONTRACT NO. 6ID65	
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 145
MATCH LINE STA. 205+50

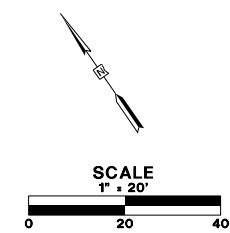


MATCH LINE STA. 208+50
SEE SHEET NO. 147



LEGEND

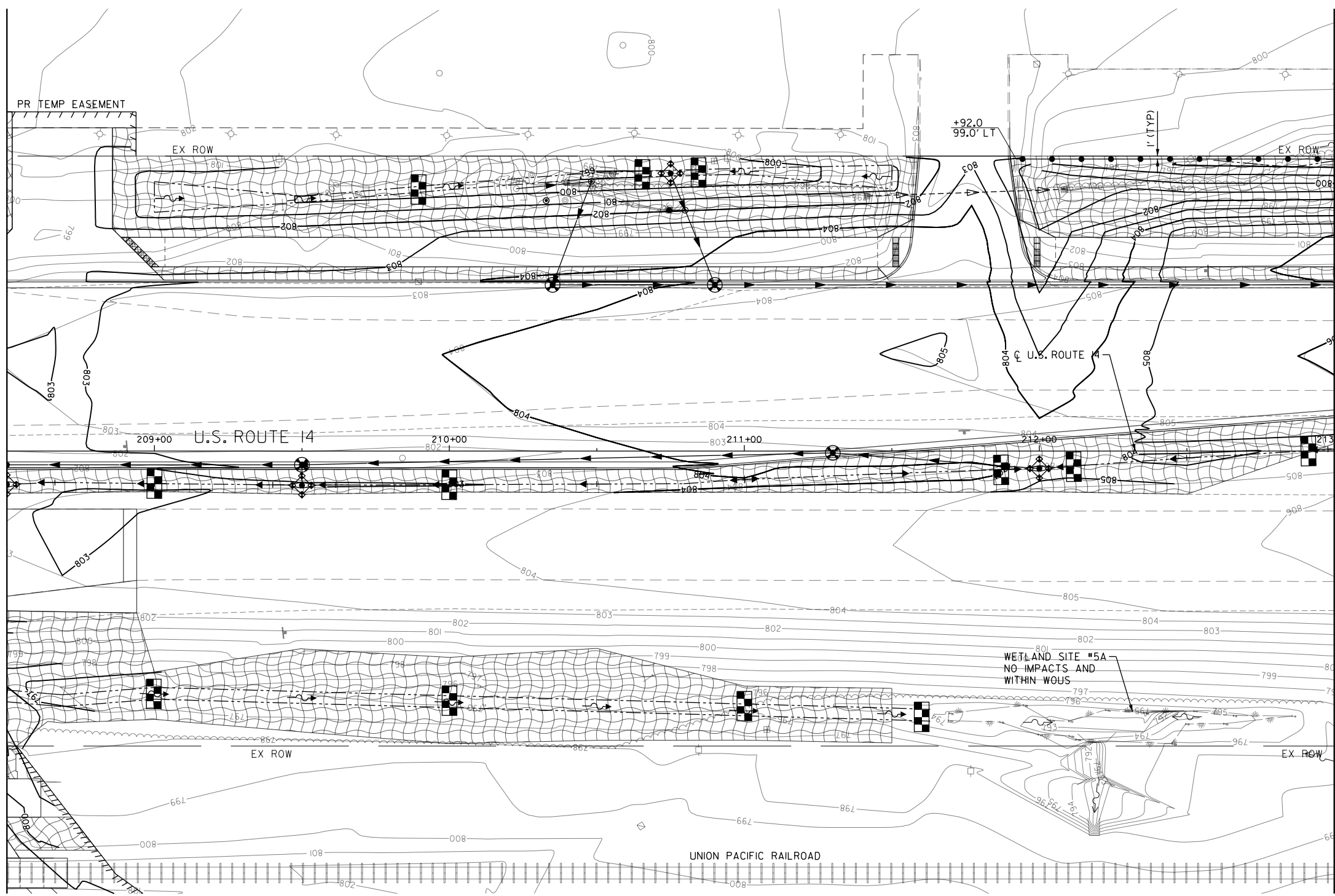
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
- TEMPORARY DITCH CHECK/PERMEABLE PLASTIC BERM (SEE STANDARD LC205)
- INLET FILTER
- INLET PROTECTION, SPECIAL
- PERMANENT WETLAND IMPACT
- TEMPORARY WETLAND IMPACT
- RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
- TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK / PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

SEE SHEET NO. 146
MATCH LINE STA. 208+50

MATCH LINE STA. 213+00
SEE SHEET NO. 148



FILE NAME: G:\CH09\0176\Road\Sheets\108084-ER05-11.dgn

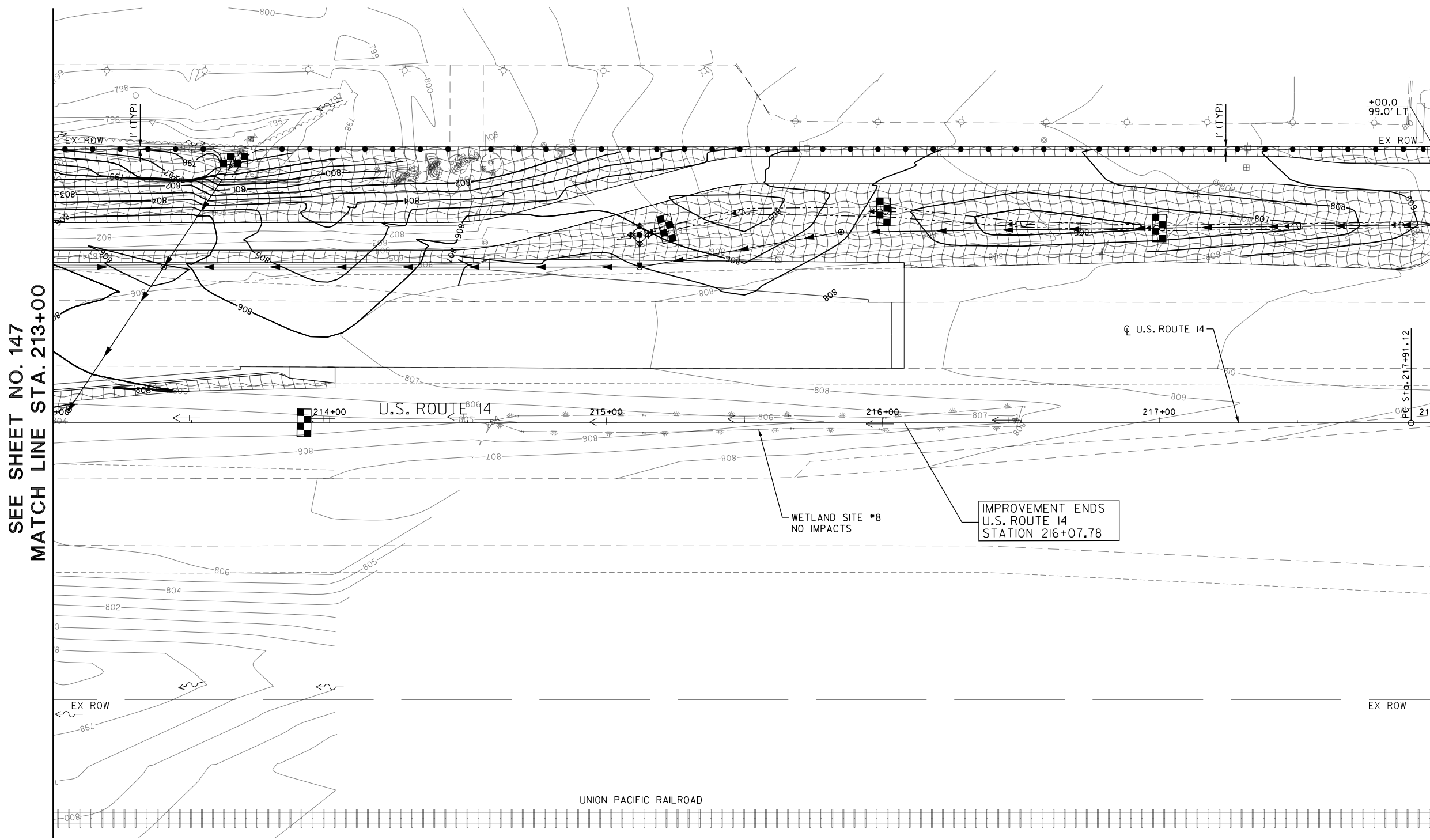
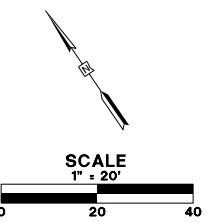


USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2	
SCALE: 1:20	SHEET 12 OF 17 SHEETS
STA. 208+50.00 TO STA. 213+00.00	

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	147
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 147
MATCH LINE STA. 213+00

MATCH LINE STA. 218+00
SEE SHEET NO. 149

- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC205)
 - TEMPORARY DITCH CHECK/PERMEABLE PLASTIC BERM (SEE STANDARD LC205)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

FILE NAME: G:\CH09\0176\Road\Sheet\108084-EROS-12.dgn



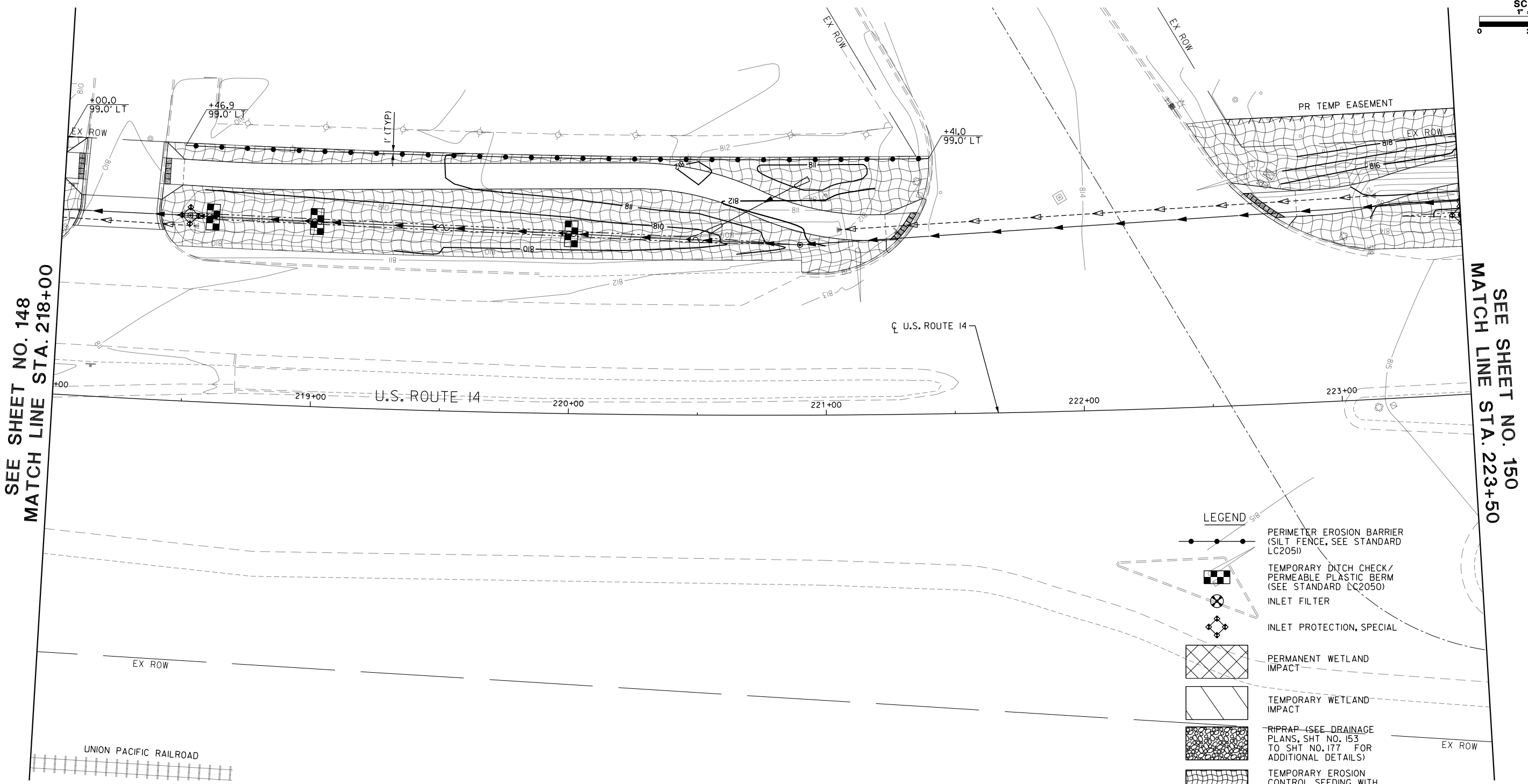
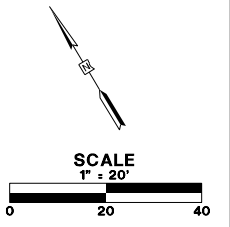
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 13 OF 17 SHEETS STA. 213+00.00 TO STA. 218+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	148
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

FILE NAME: G:\CH09\0176\Road\Sheet\1508084-EROS-13.dgn

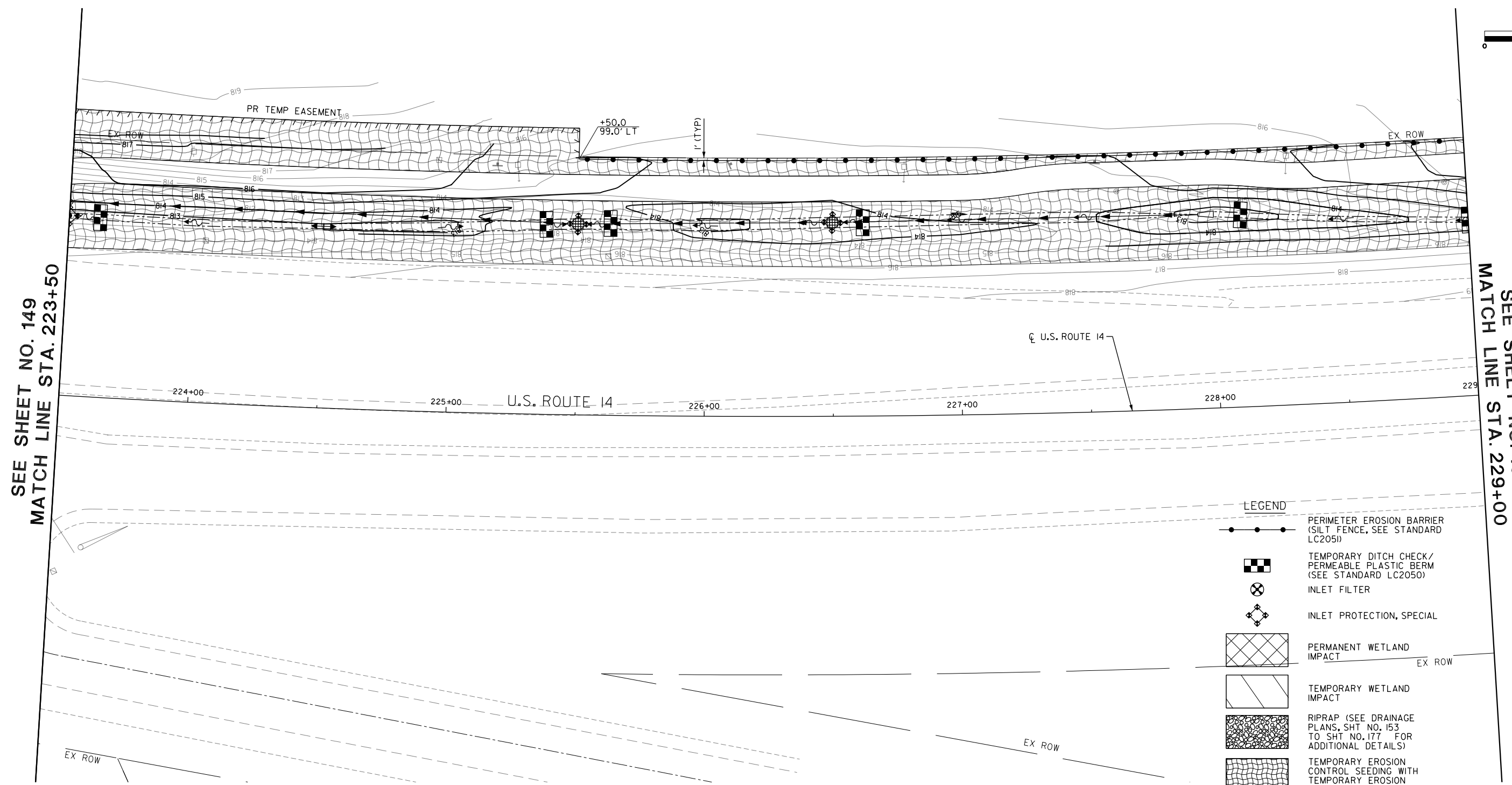
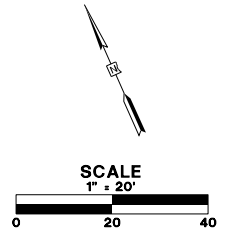


USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2			
SCALE: 1:20	SHEET 14 OF 17 SHEETS	STA. 218+00.00	TO STA. 223+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	149
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 149
MATCH LINE STA. 223+50

SEE SHEET NO. 151
MATCH LINE STA. 229+00

LEGEND

	PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
	TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
	INLET FILTER
	INLET PROTECTION, SPECIAL
	PERMANENT WETLAND IMPACT
	TEMPORARY WETLAND IMPACT
	RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
	TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

FILE NAME: G:\CH09\0176\Road\Sheets\108084-EROS-14.dgn

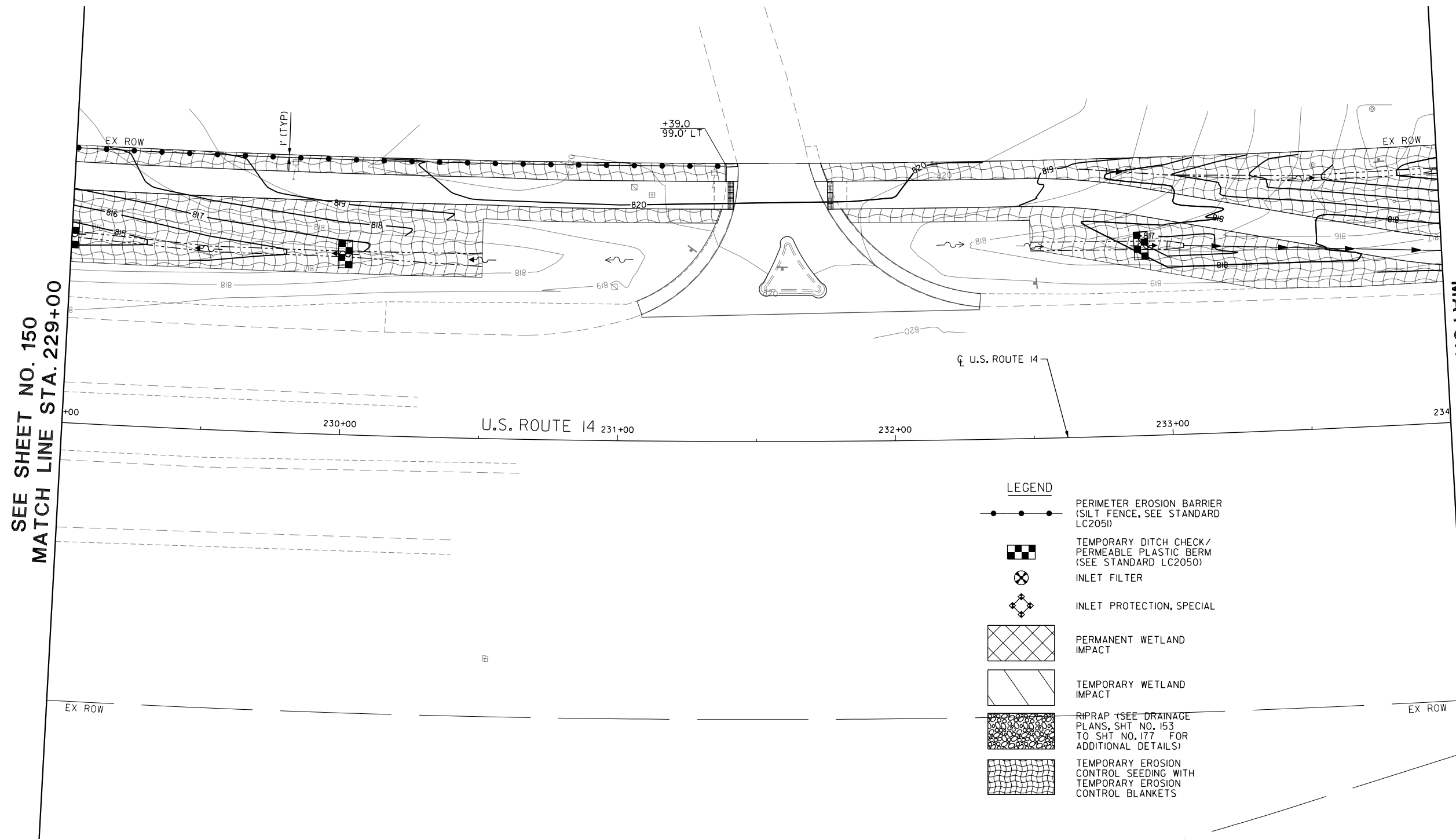
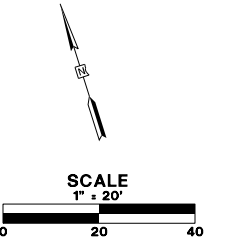


USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2		
SCALE: 1:20	SHEET 15 OF 17 SHEETS	STA. 223+50.00 TO STA. 229+00.00

FAU RTE. 2549	SECTION 09-00174-05-CH	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 150
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

FILE NAME: G:\CH09\0176\Road\Sheets\108084-ER05-15.dgn



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
DRAWN - AMK	CHECKED - JWC	REVISED -
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PLOT DATE = 5/22/2019		

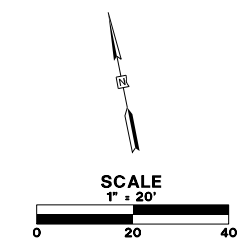
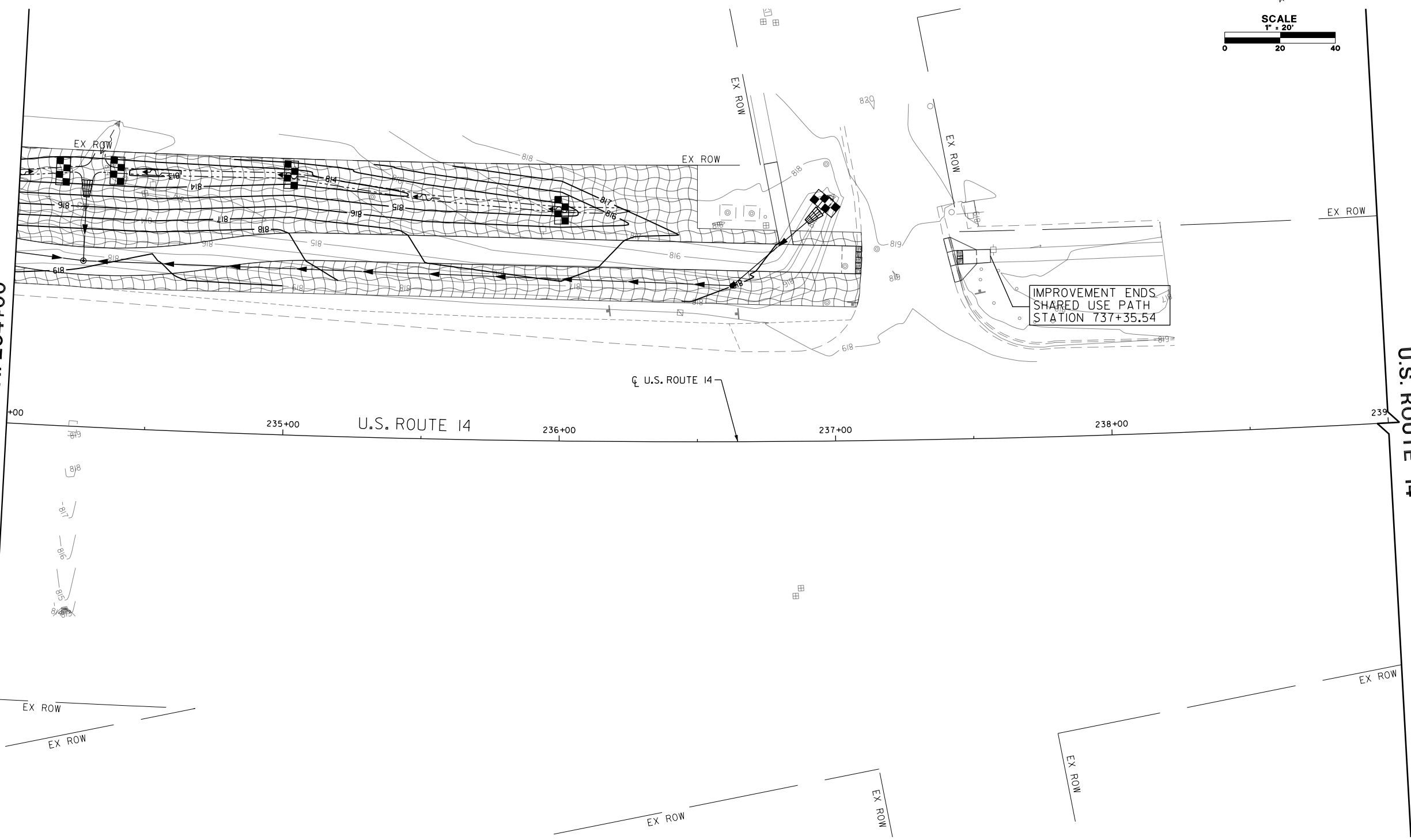
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

SCALE: 1:20 SHEET 16 OF 17 SHEETS STA. 229+00.00 TO STA. 234+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	151
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 151
MATCH LINE STA. 234+00



- LEGEND**
- PERIMETER EROSION BARRIER (SILT FENCE, SEE STANDARD LC2051)
 - TEMPORARY DITCH CHECK/ PERMEABLE PLASTIC BERM (SEE STANDARD LC2050)
 - INLET FILTER
 - INLET PROTECTION, SPECIAL
 - PERMANENT WETLAND IMPACT
 - TEMPORARY WETLAND IMPACT
 - RIPRAP (SEE DRAINAGE PLANS, SHT NO. 153 TO SHT NO. 177 FOR ADDITIONAL DETAILS)
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKETS

FILE NAME: G:\CH09\0176\Road\Sheets\108084-ER05-16.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN STAGE 1 & 2

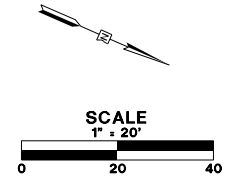
SCALE: 1:20 SHEET 17 OF 17 SHEETS STA. 234+00.00 TO STA. 239+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	152
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

SCHEDULE OF STORM SEWER STRUCTURES

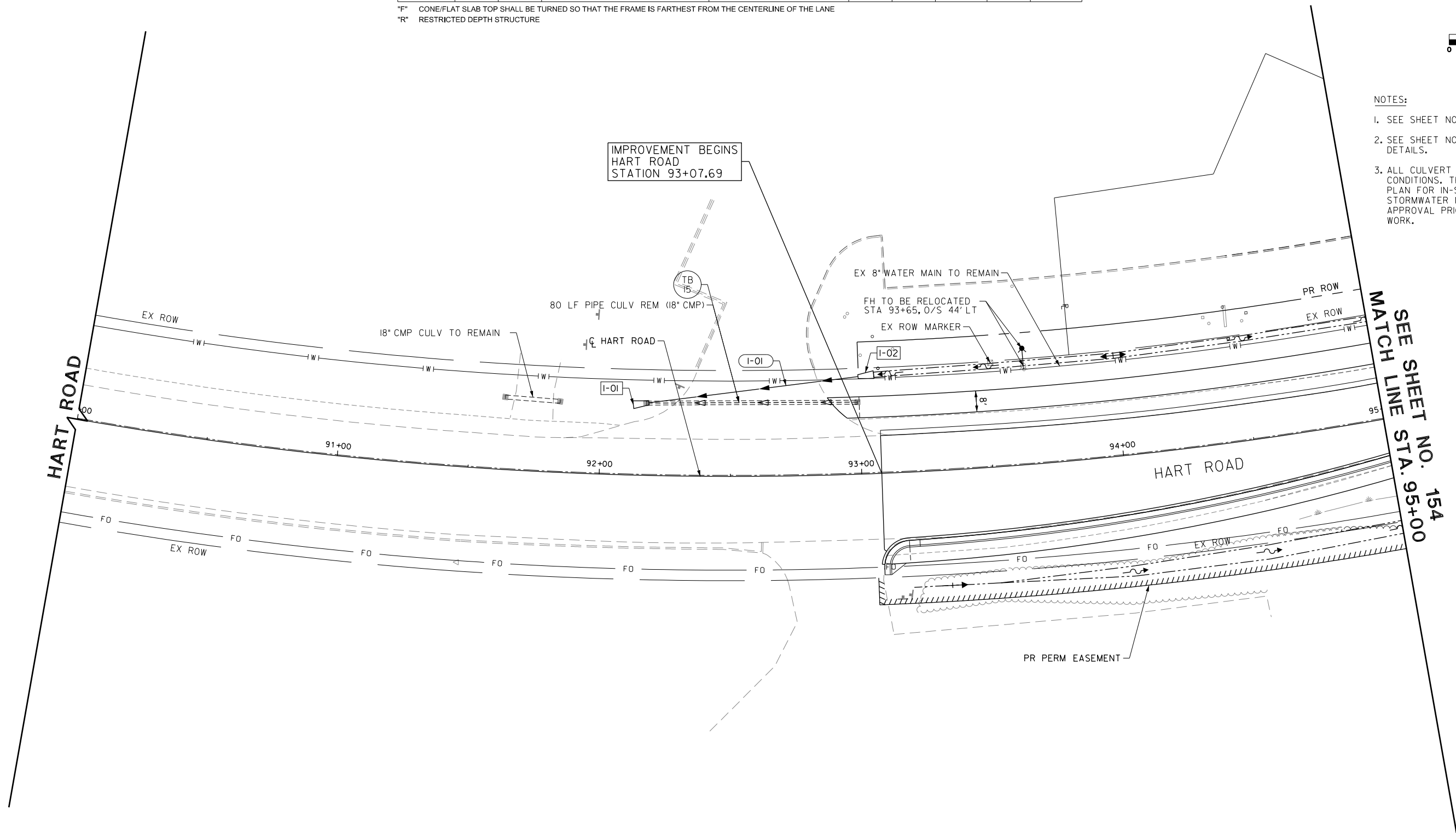
STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
1-01	92+12.52	26.83' LT	PRC FES 18			802.54			
1-02	93+06.00	37.67' LT	PRC FES 18					803.03	

"F" CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 "R" RESTRICTED DEPTH STRUCTURE



NOTES:

- SEE SHEET NO. 155 FOR DRAINAGE PROFILES.
- SEE SHEET NO. 62 FOR PAVEMENT PATCHING DETAILS.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.



SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
1-01	1-02	1-01	STORM SEWERS (WM REQ)			18	80.0	0.61	6

MATCH LINE STA. 95+00 SEE SHEET NO. 154

FILE NAME: G:\en09\0176\road\Sheet\08084-DRAIN-01.dgn



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

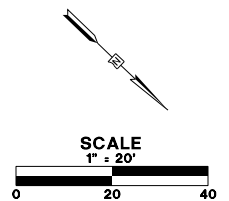
SCALE: 1:20 SHEET 1 OF 25 SHEETS STA. 90+00.00 TO STA. 95+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	153
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF STORM SEWER STRUCTURES

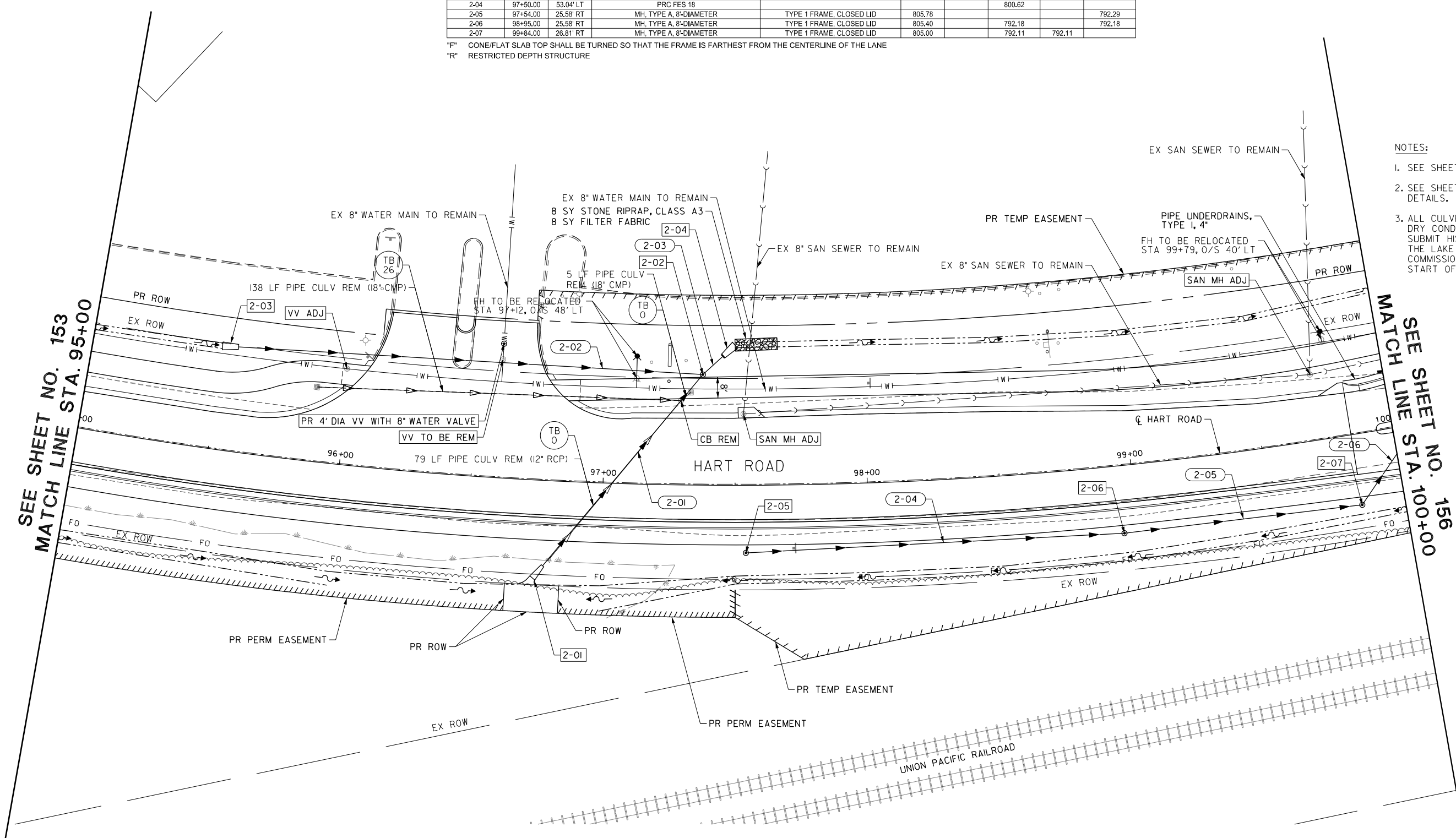
STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
2-01	96+75.16	37.05' RT	PRC FES 15						
2-02	97+37.44	41.85' LT	MH, TYPE A, 5'-DIAMETER	SPECIAL FRAME, CLOSED LID	803.58				801.25
2-03	95+50.00	39.19' LT	PRC FES 18			803.08			800.65
2-04	97+50.00	53.04' LT	PRC FES 18				800.62		
2-05	97+54.00	25.58' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	805.78				792.29
2-06	98+95.00	25.58' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	805.40			792.18	792.18
2-07	99+84.00	26.81' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	805.00			792.11	792.11

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



NOTES:

- SEE SHEET NO. 155 FOR DRAINAGE PROFILES.
- SEE SHEET NO. 63 FOR PAVEMENT PATCHING DETAILS.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.



SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
2-01	2-01	2-02	STORM SEWERS, RG	A	1	15	91.9	0.54	11
2-02	2-03	2-02	STORM SEWERS (WM REQ)			18	167.4	1.27	17
2-03	2-02	2-04	STORM SEWERS, RG	A	1	18	8.5	0.30	1
2-04	2-05	2-06	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	135.5	0.08	394
2-05	2-06	2-07	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	82.6	0.08	233
2-06	2-07	3-13	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	29.7	0.08	67

FILE NAME: G:\CH09\0176\Road\Sheet\154\08084-DRAIN-02.dgn



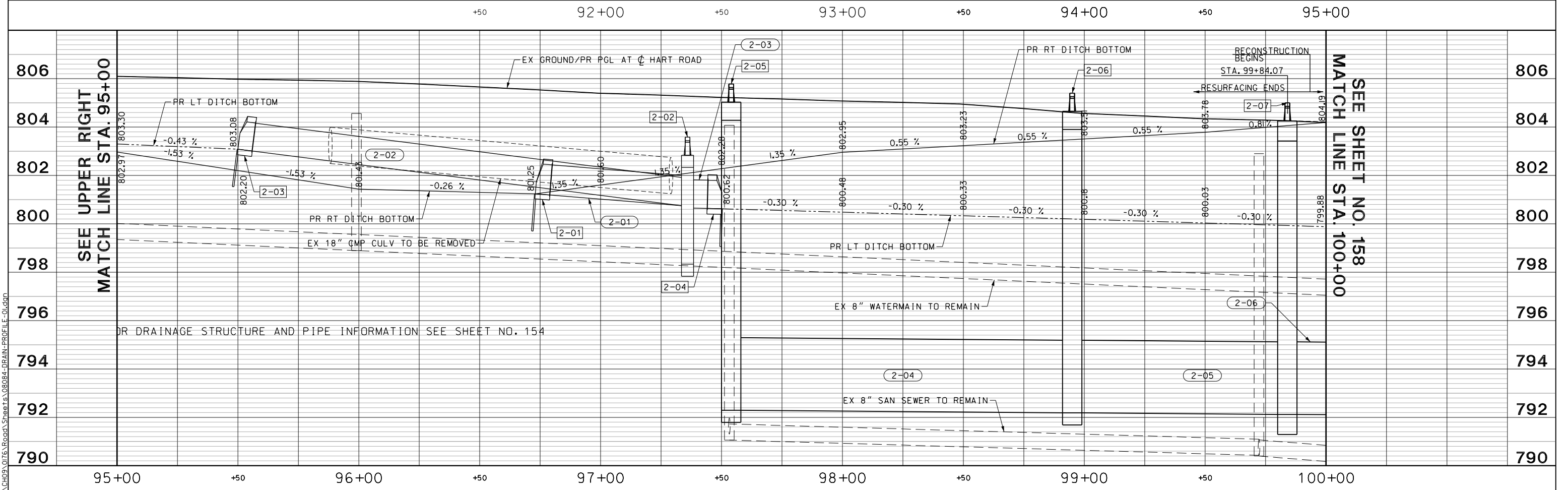
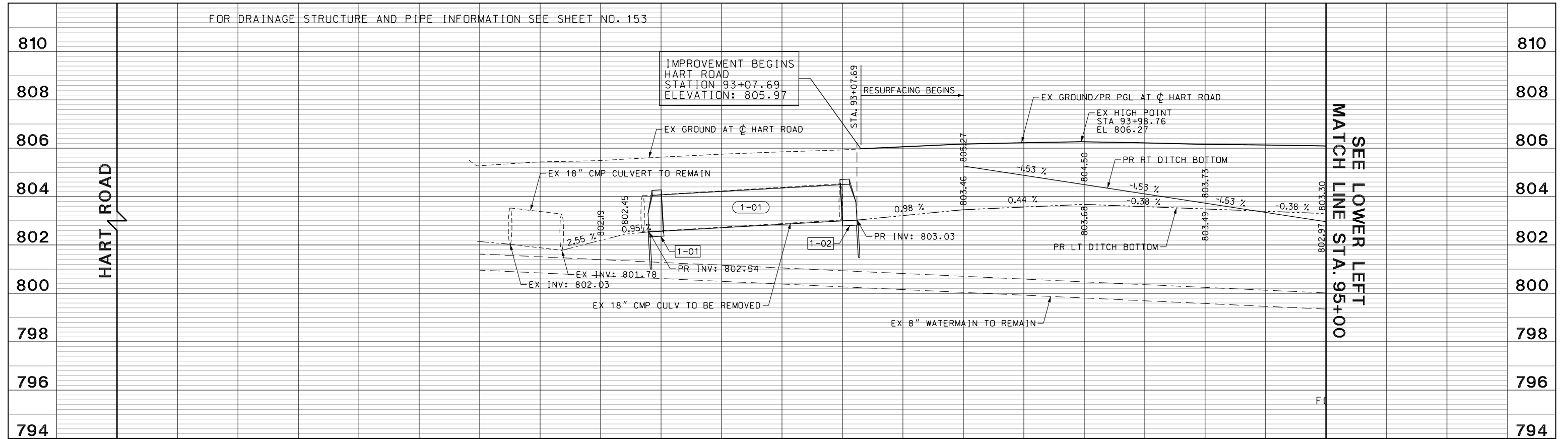
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 2 OF 25 SHEETS STA. 95+00.00 TO STA. 100+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	154
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	



FILE NAME: G:\CH05\076_Road\Sheets\08084-DRAIN-PROFILE-01.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD DRAINAGE PROFILES

SCALE: H: V:
1:20 1:10

SHEET 3 OF 25 SHEETS STA. 90+00 TO STA. 100+00

FAU RTE. 2549	SECTION 15-00277-01-BR	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 155
CONTRACT NO. 61D65				ILLINOIS FED. AID PROJECT

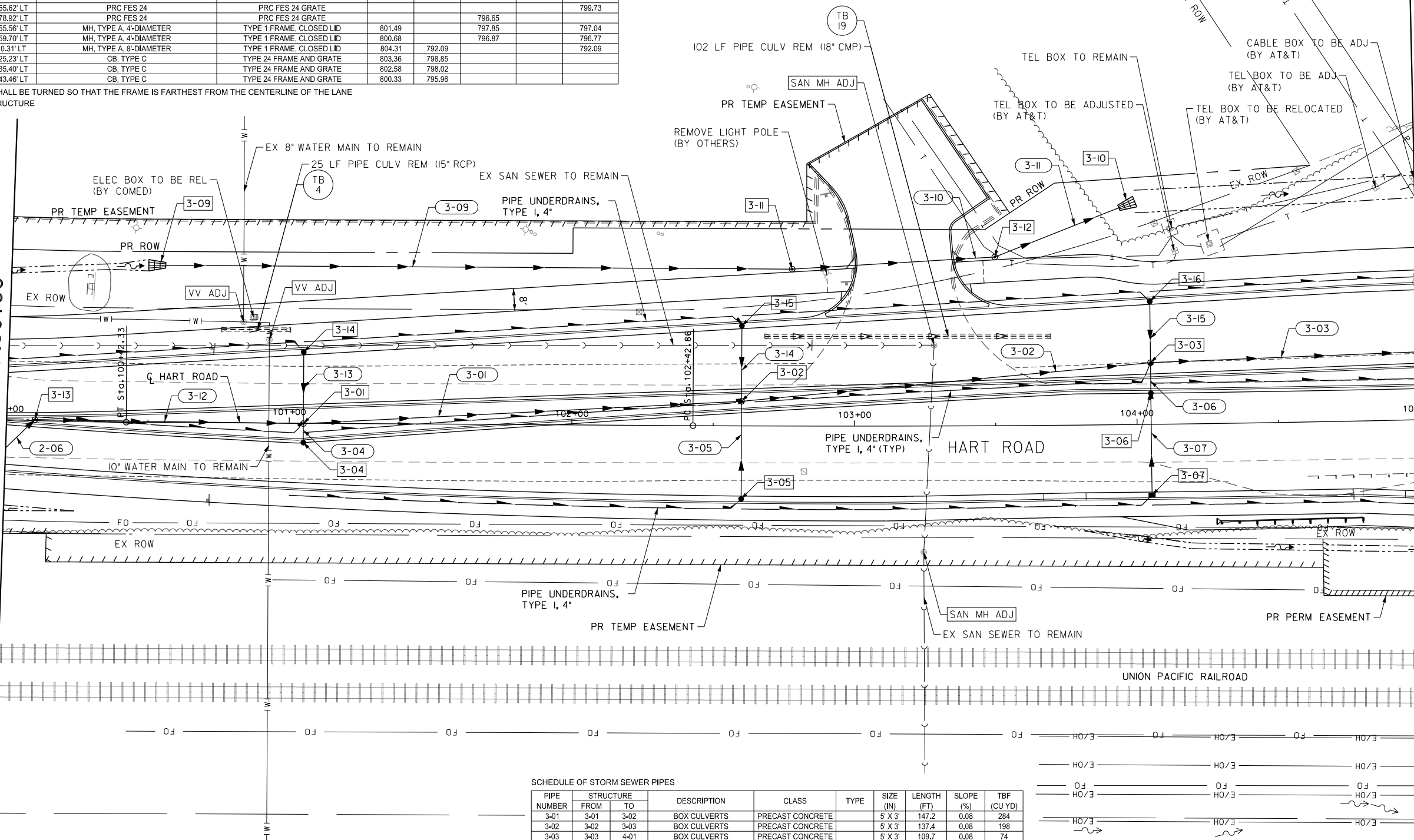
SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
3-01	101+05.00	0.11' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	803.84	798.85	792.02	798.85	792.02
3-02	102+60.00	8.89' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	803.12	798.31	791.90	797.81	791.90
3-03	104+05.00	21.81' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	800.52	795.79	791.79	795.79	791.79
3-04	101+05.00	6.87' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	803.67			799.67	
3-05	102+60.00	24.85' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	802.61			798.61	
3-06	104+05.00	11.00' LT	CB, TYPE A, 4-DIAMETER	TYPE 11 FRAME AND GRATE	800.64	796.04		795.84	
3-07	104+05.00	24.00' RT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	800.38			796.38	
3-08	NOT USED								
3-09	100+50.00	55.62' LT	PRC FES 24	PRC FES 24 GRATE					799.73
3-10	104+00.00	78.92' LT	PRC FES 24	PRC FES 24 GRATE			796.65		
3-11	102+77.84	55.56' LT	MH, TYPE A, 4-DIAMETER	TYPE 1 FRAME, CLOSED LID	801.49		797.85		797.04
3-12	103+50.00	59.70' LT	MH, TYPE A, 4-DIAMETER	TYPE 1 FRAME, CLOSED LID	800.68		796.87		796.77
3-13	100+10.00	0.31' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	804.31	792.09			792.09
3-14	101+05.00	25.23' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	803.36	798.85			
3-15	102+60.00	35.40' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	802.58	798.02			
3-16	104+05.00	43.46' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	800.33	795.96			

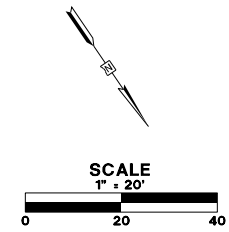
"F" CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 "R" RESTRICTED DEPTH STRUCTURE

SEE SHEET NO. 154
MATCH LINE STA. 100+00

SEE SHEET NO. 157
MATCH LINE STA. 105+00



- NOTES:
- SEE SHEET NO. 158 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.



SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
3-01	3-01	3-02	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	147.2	0.08	284
3-02	3-02	3-03	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	137.4	0.08	198
3-03	3-03	4-01	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	109.7	0.08	74
3-04	3-04	3-01	STORM SEWERS (WM REQ)			12	1.8	1.00	1
3-05	3-05	3-02	STORM SEWERS	A	2	12	29.5	1.00	6
3-06	3-06	3-03	STORM SEWERS	A	2	12	4.8	1.00	2
3-07	3-07	3-06	STORM SEWERS	A	2	12	34.0	1.00	7
3-08	NOT USED								
3-09	3-09	3-11	STORM SEWERS, RG	A	1	24	211.5	0.89	38
3-10	3-11	3-12	STORM SEWERS	A	1	24	67.8	0.25	20
3-11	3-12	3-10	PIPE CULVERTS	A	1	24	42.1	0.28	8
3-12	3-13	3-01	BOX CULVERTS, RG	PRECAST CONCRETE		5' X 3'	87.0	0.08	181
3-13	3-14	3-01	STORM SEWERS (WM REQ)			12	19.3	1.00	5
3-14	3-15	3-02	STORM SEWERS	A	2	12	20.7	1.00	6
3-15	3-16	3-03	STORM SEWERS	A	2	12	16.6	1.00	4

FILE NAME: g:\ch09\0176\road\Sheet15\08084-DRAIN-03.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 4 OF 25 SHEETS STA. 100+00.00 TO STA. 105+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	156
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

SCHEDULE OF STORM SEWER STRUCTURES

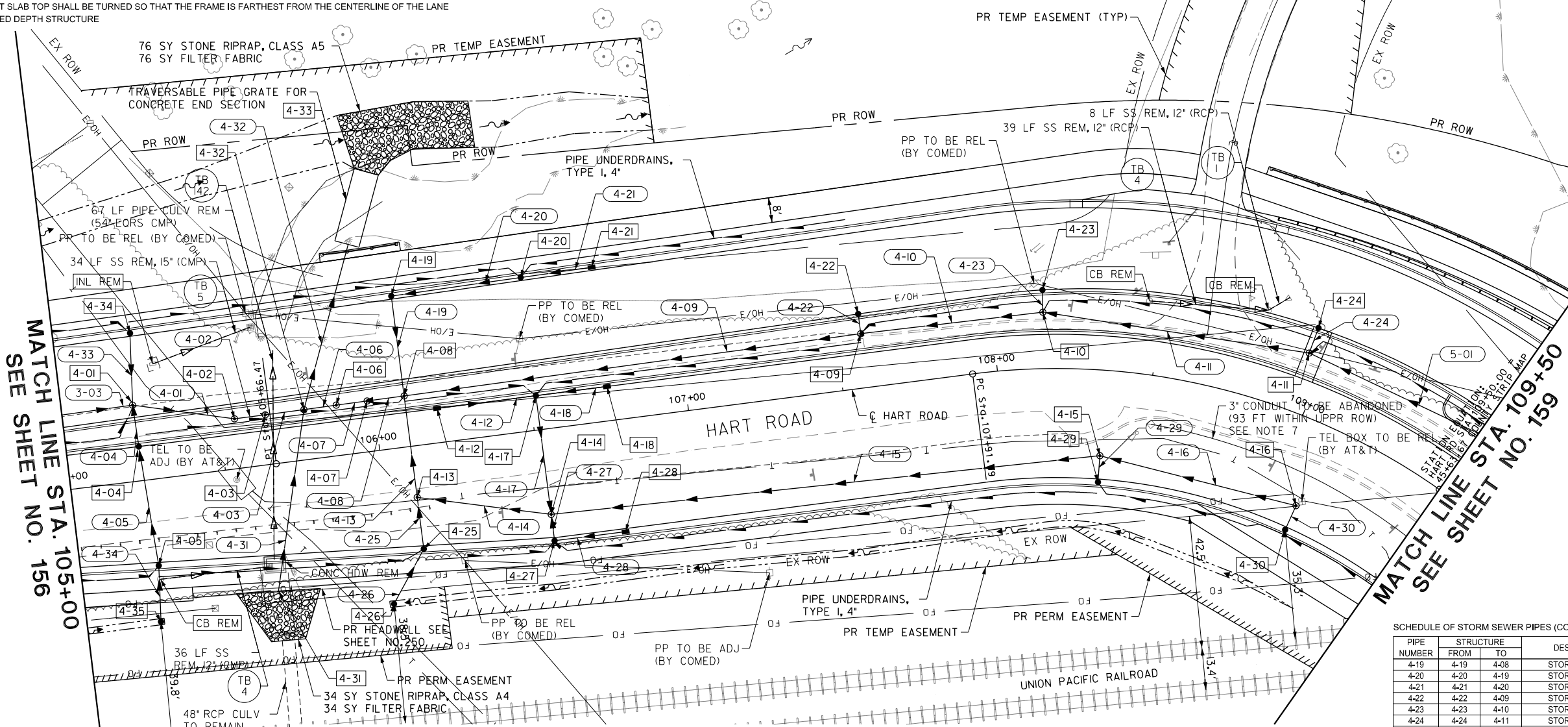
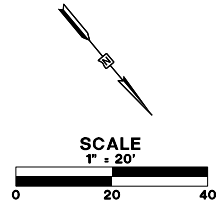
STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
4-01	105+23.00	24.42' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	797.99	791.90	791.70	791.90	791.70
4-02	105+55.00	15.99' LT	MH, TYPE A, 8-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	797.74	791.68	791.68	791.68	791.68
4-03	105+65.00	16.00' LT	TREATMENT STRUCTURES	TYPE 1 FRAME, CLOSED LID	797.60	791.67	791.67	791.67	791.67
4-04	105+23.35	11.00' LT	CB, TYPE A, 4-DIAMETER	TYPE 11 FRAME AND GRATE	798.11	791.94	791.94	791.94	791.94
4-05	105+25.00	26.72' RT	CB, TYPE A, 4-DIAMETER	TYPE 24 FRAME AND GRATE	797.76	792.12	792.12	792.12	792.12
4-06	105+88.00	16.17' LT	TREATMENT STRUCTURES	TYPE 1 FRAME, CLOSED LID	797.33	791.27	791.27	791.27	791.27
4-07	105+98.00	16.23' LT	MH, TYPE A, 8-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	797.24	791.29	791.29	791.29	791.29
4-08	106+10.00	16.32' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	797.15	791.29	791.29	791.29	791.29
4-09	107+58.00	17.40' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	798.01	791.43	793.67	791.43	791.43
4-10	108+15.00	18.13' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	799.25	791.48	794.81	791.48	791.48
4-11	108+95.00	19.47' LT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	800.82	791.56	796.43	796.02	796.02
4-12	106+20.00	11.00' LT	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	796.93			792.93	792.93
4-13	106+10.00	16.50' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	796.98	790.98	791.31	791.31	791.31
4-14	106+52.00	27.43' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	796.52	792.18	791.35	791.35	791.35
4-15	108+35.00	27.50' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	798.98	794.80	791.52	791.52	791.52
4-16	109+10.00	27.50' RT	MH, TYPE A, 8-DIAMETER	TYPE 1 FRAME, CLOSED LID	800.36	796.17	791.58	791.58	791.58
4-17	106+52.00	11.00' LT	CB, TYPE A, 4-DIAMETER	TYPE 11 FRAME AND GRATE	796.85	792.64	792.64	792.64	792.64
4-18	106+75.00	11.00' LT	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	796.88	792.88			
4-19	106+10.00	47.64' LT	CB, TYPE A, 4-DIAMETER	TYPE 24 FRAME AND GRATE	796.46	791.75		791.75	791.75
4-20	106+52.00	48.25' LT	CB, TYPE A, 4-DIAMETER	TYPE 24 FRAME AND GRATE	796.33	792.13	792.13	792.13	792.13
4-21	106+75.00	48.59' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	796.36	792.33			
4-22	107+58.00	23.80' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	797.68	793.68			
4-23	108+15.00	25.26' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	798.83	794.83			
4-24	108+95.00	28.05' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	800.48	796.48			
4-25	106+10.00	32.19' RT	CB, TYPE A, 4-DIAMETER	TYPE 24 FRAME AND GRATE	796.56	791.09	791.09		

"F" CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 "R" RESTRICTED DEPTH STRUCTURE

SCHEDULE OF STORM SEWER STRUCTURES (CONT)

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
4-26	105+98.28	49.48' RT	CB, TYPE A, 4-DIAMETER	TYPE 8 GRATE	796.25				
4-27	106+52.00	34.93' RT	CB, TYPE A, 4-DIAMETER	TYPE 24 FRAME AND GRATE	796.37				
4-28	106+75.00	35.00' RT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	796.40		792.40	792.20	792.20
4-29	108+35.00	35.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	798.83			794.83	
4-30	109+10.00	35.00' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	800.21			796.21	
4-31	105+61.97	40.64' RT	CIP RC END SEC 60 SPL					789.95	
4-32	105+77.50	16.09' LT	MH, TYPE A, 10-DIAMETER	TYPE 1 FRAME, CLOSED LID	797.45	789.67	791.63	789.63	791.25
4-33	106+07.15	88.24' LT	END SEC EQRS 60	TRAVERSABLE PIPE GRATE FOR CONC END SEC		789.34			
4-34	105+25.00	47.48' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	797.59	792.09			
4-35	105+23.51	45.68' RT	CB, TYPE A, 4-DIAMETER	TYPE 8 GRATE	796.11				792.18

* SEE STRUCTURAL PLANS ON SHEETS 250 TO 254 FOR DETAILS



- NOTES:
- SEE SHEET NO. 158 FOR DRAINAGE PROFILES.
 - SEE SHEET NO. 310 FOR RESTRICTOR DETAILS.
 - SEE SHEET NO. 256 TO 257 FOR TREATMENT STRUCTURE DETAILS.
 - IN AREAS OF SUPERELEVATION THE GUTTER FLAG ON THE HIGH SIDE SHALL BE SLOPED TO MATCH THE ADJACENT PAVEMENT CROSS SLOPE.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - ALL STORM SEWER INSTALLED WITHIN THE UP ROW SHALL BE INSTALLED VIA OPEN EXCAVATION, HAVE NON-RESTRAINED JOINTS, AND HAVE RUBBER GASKET JOINTS ACCORDING TO ASTM C 443.
 - ALL REMOVAL OR ABANDONMENT OF PIPELINES, WIRELINES, AND UTILITIES IN THE UP ROW SHALL COMPLY WITH THE "GUIDELINES FOR ABANDONMENT & REMOVAL OF SUBSURFACE STRUCTURES ON UNION PACIFIC RAILROAD RIGHT-OF-WAY" WHICH IS INCLUDED IN THE SPECIAL PROVISIONS.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
4-01	4-01	4-02	BOX CULVERTS	PRECAST CONCRETE		5' X 3'	25.0	0.08	7
4-02	4-02	4-03	STORM SEWERS	A	2	18	2.0	1.00	1
4-03	4-03	4-32	STORM SEWERS	A	2	18	3.5	1.00	2
4-04	4-04	4-01	STORM SEWERS	A	2	12	7.5	0.53	3
4-05	4-05	4-04	STORM SEWERS	A	2	12	34.7	0.50	13
4-06	4-06	4-32	STORM SEWERS	A	2	18	1.5	1.00	1
4-07	4-07	4-06	STORM SEWERS	A	2	18	2.0	1.00	1
4-08	4-08	4-07	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	3.5	0.10	2
4-09	4-09	4-08	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	139.5	0.10	76

SCHEDULE OF STORM SEWER PIPES (CONT)

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
4-10	4-10	4-09	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	50.9	0.10	40
4-11	4-11	4-10	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	79.6	0.10	89
4-12	4-12	4-17	STORM SEWERS	A	2	12	29.0	1.00	5
4-13	4-13	4-08	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	24.3	0.10	8
4-14	4-14	4-13	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	35.4	0.10	8
4-15	4-15	4-14	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	169.3	0.10	96
4-16	4-16	4-15	BOX CULVERTS	PRECAST CONCRETE		4' X 2'	58.0	0.10	59
4-17	4-17	4-14	STORM SEWERS	A	2	12	32.4	1.00	6
4-18	4-18	4-17	STORM SEWERS	A	1	12	20.0	1.00	4

SCHEDULE OF STORM SEWER PIPES (CONT)

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
4-19	4-19	4-08	STORM SEWERS	A	2	12	25.8	1.00	8
4-20	4-20	4-19	STORM SEWERS	A	2	12	38.0	1.00	8
4-21	4-21	4-20	STORM SEWERS	A	1	12	20.0	1.00	4
4-22	4-22	4-09	STORM SEWERS	A	2	12	1.4	1.00	1
4-23	4-23	4-10	STORM SEWERS	A	2	12	2.1	1.00	1
4-24	4-24	4-11	STORM SEWERS	A	2	12	4.6	1.00	1
4-25	4-25	4-13	STORM SEWERS	A	2	12	10.7	1.00	4
4-26	4-26	4-25	STORM SEWERS	A	2	12	16.1	1.00	4
4-27	4-27	4-14	STORM SEWERS	A	2	12	2.5	1.00	1
4-28	4-28	4-27	STORM SEWERS	A	1	12	20.0	1.00	4
4-29	4-29	4-15	STORM SEWERS	A	1	12	3.5	1.00	1
4-30	4-30	4-16	STORM SEWERS	A	1	12	4.5	1.00	1
4-31	4-31	4-32	PIPE CULVERTS	A	2	EQRS 60	53.8	0.51	34
4-32	4-32	4-33	PIPE CULVERTS	A	2	EQRS 60	55.9	0.51	37
4-33	4-34	4-303	STORM SEWERS	A	2	12	18.2	0.99	7
4-34	4-35	4-05	STORM SEWERS	A	2	12	14.0	0.50	4

PIPE TO BE RCP CLASS II AND TO BE INSTALLED ACCORDING TO NOTE 6. SHALL BE PAID FOR AS STORM SEWER, OF THE CLASS, TYPE AND DIAMETER SPECIFIED
 % PIPE TO BE RCP CLASS IV AND TO BE INSTALLED ACCORDING TO NOTE 6. SHALL BE PAID FOR AS STORM SEWER, OF THE CLASS, TYPE AND DIAMETER SPECIFIED

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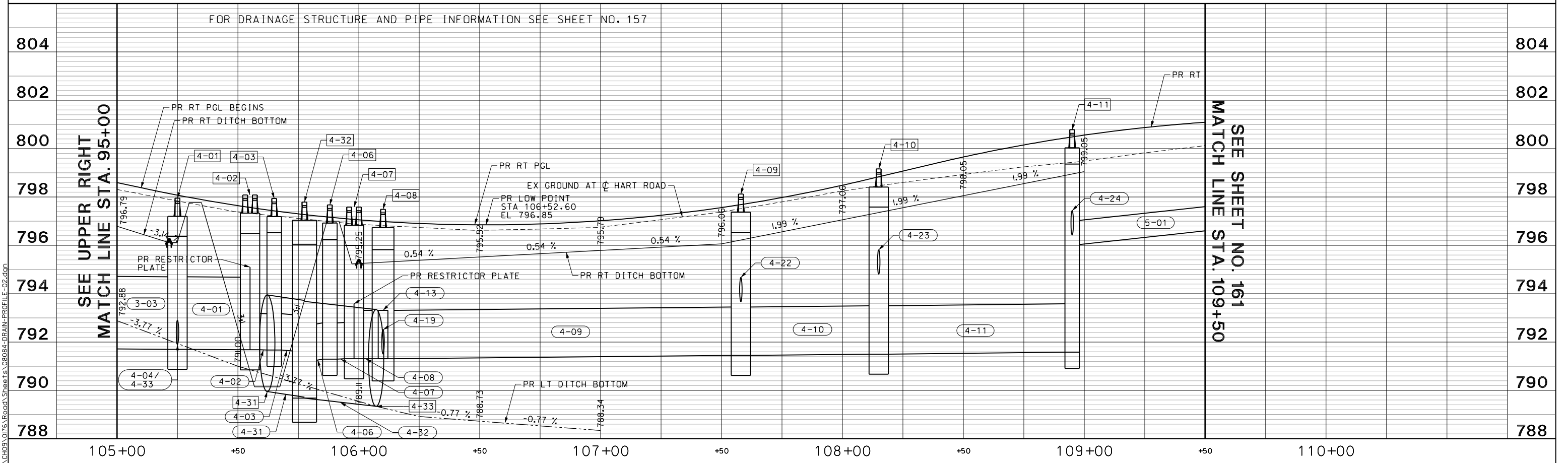
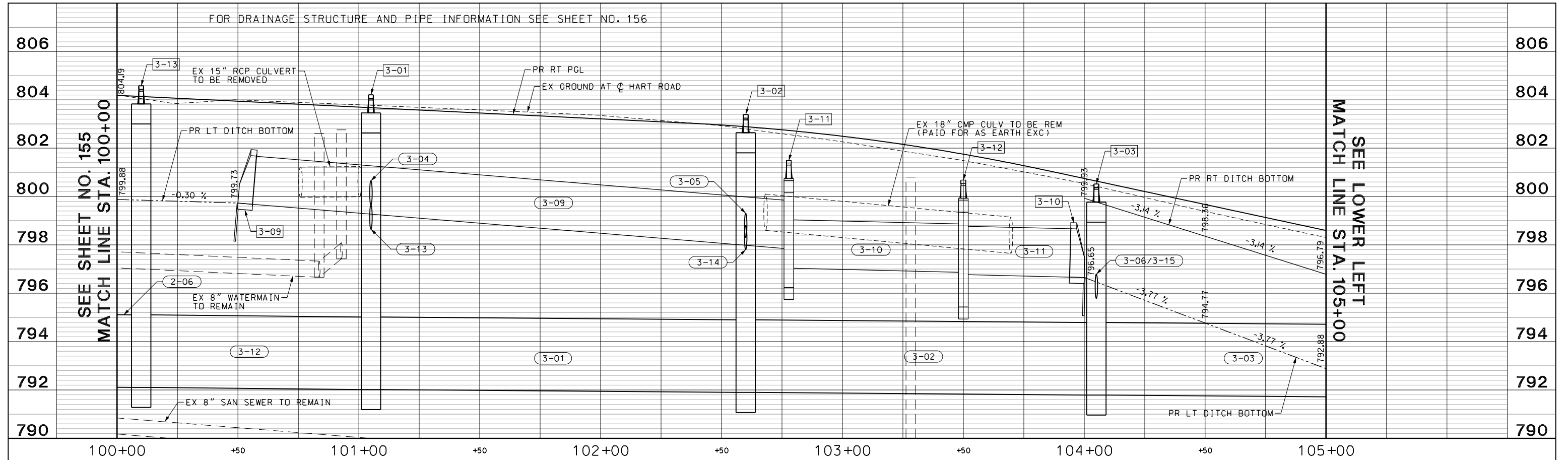
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 5 OF 25 SHEETS STA. 105+00.00 TO STA. 109+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	157
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				



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USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD DRAINAGE PROFILE	
SCALE: H: 1:20 V: 1:10	SHEET 6 OF 25 SHEETS STA. 100+00.00 TO STA. 109+50.00

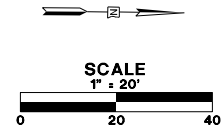
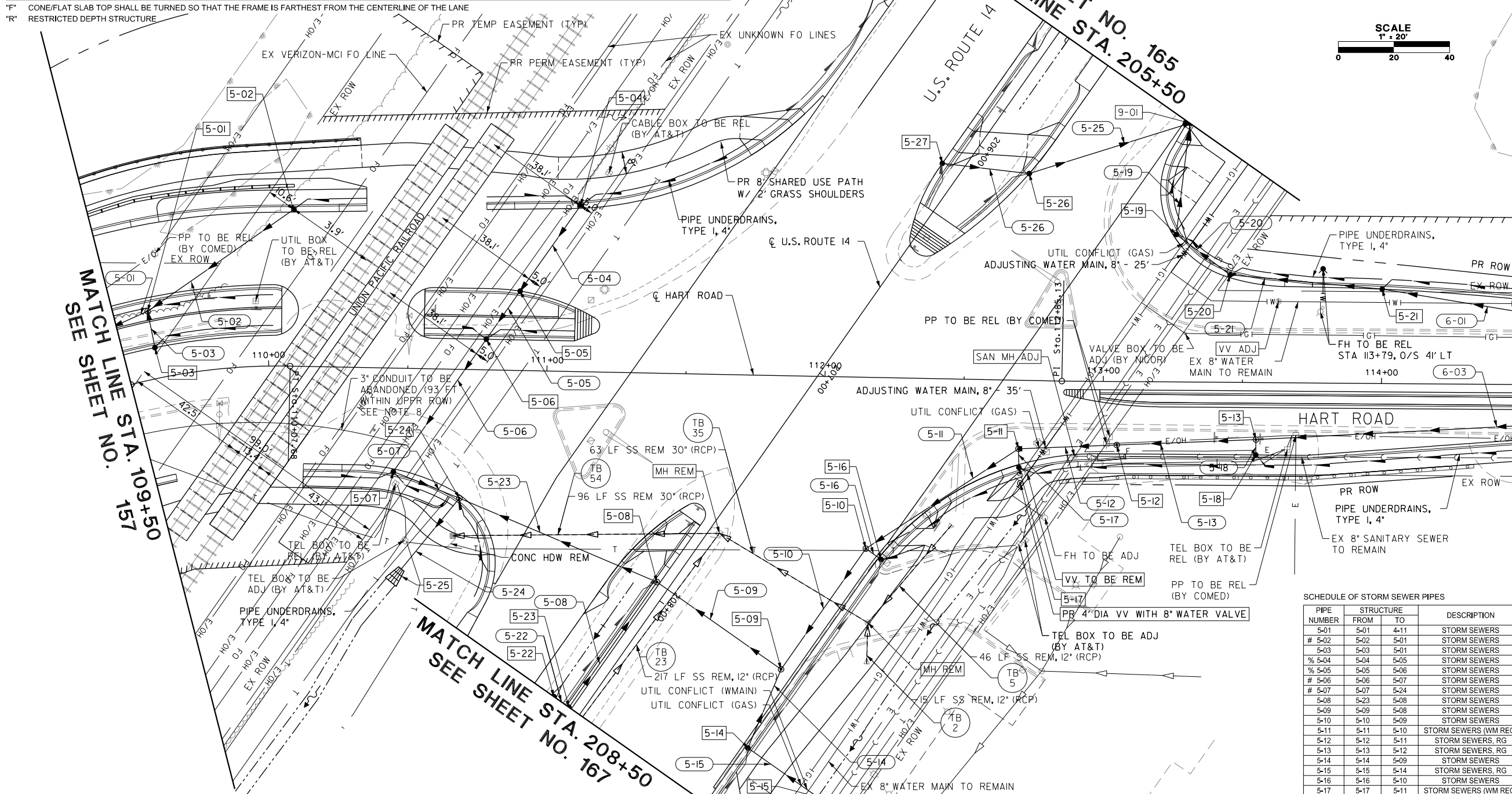
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	15-00277-01-BR	LAKE	423	158
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
5-01	109+61.00	24.34' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	801.36	796.70	797.63	796.70	797.31
5-02	110+08.00	55.35' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	800.90				
5-03	109+61.00	11.00' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	801.74				797.74
5-04	111+10.96	59.69' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	800.86		797.24		
5-05	110+89.95	28.51' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	800.91		796.98		796.98
5-06	110+78.00	11.00' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	801.54		796.85		796.85
5-07	110+45.51	37.21' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	801.15	796.44			796.44
5-08	207+95.00	3.64' RT	MH, TYPE A, 7'-DIAMETER	TYPE 24 FRAME AND GRATE	802.49	796.18	796.71	796.18	
5-09	207+95.00	49.86' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	802.37	796.29	796.24	796.24	
5-10	207+42.00	49.86' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	802.02	797.63	796.30		797.70
5-11	112+70.00	24.61' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	801.81	796.38	797.67	796.38	

"F" CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 "R" RESTRICTED DEPTH STRUCTURE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
5-12	113+05.00	22.80' RT	MH, TYPE A, 6'-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	802.38	796.42		796.42	
5-13	113+55.00	20.50' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	803.78	796.48	799.66	796.48	
5-14	208+25.00	55.36' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	802.43	796.64			796.42
5-15	208+25.00	67.00' LT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	800.09			796.76	
5-16	207+42.00	55.56' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	801.66			797.66	797.70
5-17	112+70.00	30.38' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	801.70				797.70
5-18	113+55.00	26.00' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	803.67				796.67
5-19	113+25.00	52.41' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	802.15	797.01			797.01

- NOTES:
- SEE SHEET NO. 161 FOR DRAINAGE PROFILES ALONG HART ROAD.
 - SEE SHEET NO. 169 FOR DRAINAGE PROFILES ALONG U.S. ROUTE 14.
 - SEE SHEET NO. 66 FOR PAVEMENT PATCHING DETAILS.
 - SEE SHEET NO. 310 FOR RESTRICTOR DETAILS.
 - IN AREAS OF SUPERELEVATION THE GUTTER FLAG ON THE HIGH SIDE SHALL BE SLOPED TO MATCH THE ADJACENT PAVEMENT CROSS SLOPE.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - ALL STORM SEWER INSTALLED WITHIN THE UP ROW SHALL BE INSTALLED VIA OPEN EXCAVATION, HAVE NON-RESTRAINED JOINTS, AND HAVE RUBBER GASKET JOINTS ACCORDING TO ASTM C 443.
 - ALL REMOVAL OR ABANDONMENT OF PIPELINES, WIRELINES, AND UTILITIES IN THE UP ROW SHALL COMPLY WITH THE "GUIDELINES FOR ABANDONMENT & REMOVAL OF SUBSURFACE STRUCTURES ON UNION PACIFIC RAILROAD RIGHT-OF-WAY" WHICH IS INCLUDED IN THE SPECIAL PROVISIONS.



STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
5-20	113+45.00	37.68' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	803.00	799.50		797.36	
5-21	114+00.00	33.90' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	804.29	800.39		800.39	
5-22	208+50.00	11.34' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	802.11	797.61			
5-23	208+50.00	3.64' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	802.49	796.84	797.59	796.84	
5-24	110+70.00	45.44' RT	MH, TYPE A, 6'-DIAMETER	TYPE 24 FRAME AND GRATE	801.70	796.09	796.09	796.29	796.85
5-25	208+50.00	83.03' RT	PRC FES 30	PRC FES 30 GRATE					796.05
5-26	205+98.00	20.38' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	801.32	796.79		796.79	
5-27	206+13.00	7.27' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	801.40	796.93			

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
5-01	5-01	4-11	STORM SEWERS	A	2	12	67.7	1.00	16
5-02	5-02	5-01	STORM SEWERS	A	2	12	61.1	1.00	11
5-03	5-03	5-01	STORM SEWERS	A	2	12	10.3	1.00	2
% 5-04	5-04	5-05	STORM SEWERS	A	1	12	34.7	0.75	6
% 5-05	5-05	5-06	STORM SEWERS	A	1	12	17.1	0.75	3
# 5-06	5-06	5-07	STORM SEWERS	A	2	12	54.1	0.75	11
# 5-07	5-07	5-24	STORM SEWERS	A	2	12	20.6	0.75	6
5-08	5-23	5-08	STORM SEWERS	A	2	30	49.0	0.27	18
5-09	5-09	5-08	STORM SEWERS	A	2	30	48.0	0.13	29
5-10	5-10	5-09	STORM SEWERS	A	2	30	47.0	0.13	17
5-11	5-11	5-10	STORM SEWERS (WM REQ)	A		30	59.5	0.13	18
5-12	5-12	5-11	STORM SEWERS, RG	A	1	30	29.3	0.13	10
5-13	5-13	5-12	STORM SEWERS, RG	A	1	EORS 42	44.1	0.13	26
5-14	5-14	5-09	STORM SEWERS	A	2	12	25.7	0.50	10
5-15	5-15	5-14	STORM SEWERS, RG	A	2	12	26.6	0.44	6
5-16	5-16	5-10	STORM SEWERS	A	1	12	2.7	1.00	1
5-17	5-17	5-11	STORM SEWERS (WM REQ)	A		12	2.7	1.00	1
5-18	5-18	5-13	STORM SEWERS	A	1	12	1.5	1.00	1
5-19	5-19	9-01	STORM SEWERS (WM REQ)	A		15	35.3	1.75	9
5-20	5-20	5-19	STORM SEWERS, RG	A	2	15	20.1	1.75	7
5-21	5-21	5-20	STORM SEWERS (WM REQ)	A		15	50.9	1.75	6
5-22	5-22	5-23	STORM SEWERS	A	2	12	2.2	1.00	1
5-23	5-08	5-24	STORM SEWERS	A	2	30	70.7	0.13	26
5-24	5-24	5-25	STORM SEWERS	A	1	30	29.8	0.13	3
5-25	5-25	9-01	STORM SEWERS	A	2	12	57.5	0.50	12
5-26	5-27	5-26	STORM SEWERS	A	2	12	28.5	0.50	7

PIPE TO RCP CLASS II AND TO BE INSTALLED ACCORDING TO NOTE 7. SHALL BE PAID FOR AS STORM SEWER, OF THE CLASS, TYPE AND DIAMETER SPECIFIED
 % PIPE TO RCP CLASS IV AND TO BE INSTALLED ACCORDING TO NOTE 7. SHALL BE PAID FOR AS STORM SEWER, OF THE CLASS, TYPE AND DIAMETER SPECIFIED



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

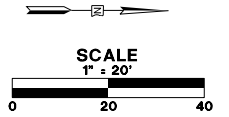
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	159
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

SCALE: 1:20 SHEET 7 OF 25 SHEETS STA. 109+50.00 TO STA. 114+50.00

SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
6-01	114+70.00	22.83' LT	CB, TYPE A, 4-DIAMETER	TYPE 1 FRAME, CLOSED LID	805.41	801.55			
6-02	115+75.00	19.26' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	806.19			802.32	
6-03	114+55.00	14.50' RT	MH, TYPE A, 6-DIAMETER	TYPE 1 FRAME, CLOSED LID	806.10	796.60	801.39	796.60	
6-04	115+55.00	14.50' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	806.28	797.49	802.15	797.49	
6-05	116+30.00	14.50' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	806.73		802.72	797.58	
6-06	115+20.00	14.50' RT	MH, TYPE A, 6-DIAMETER	TYPE 1 FRAME, CLOSED LID	806.10	797.45		796.68	
6-07	114+55.00	20.00' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	805.40				801.40
6-08	115+55.00	20.00' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	806.17				802.17
6-09	116+30.00	20.00' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	806.74				802.74
6-10	119+20.00	13.64' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	806.65	792.28	802.52		
6-11	119+20.00	19.15' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	806.54				802.28
6-12	119+20.00	18.00' LT	CB, TYPE C	TYPE 11 FRAME AND GRATE	806.56		802.56		
6-13	114+70.00	28.37' LT	INLETS, TYPE A	TYPE 11 FRAME AND GRATE	805.30		801.60		

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE

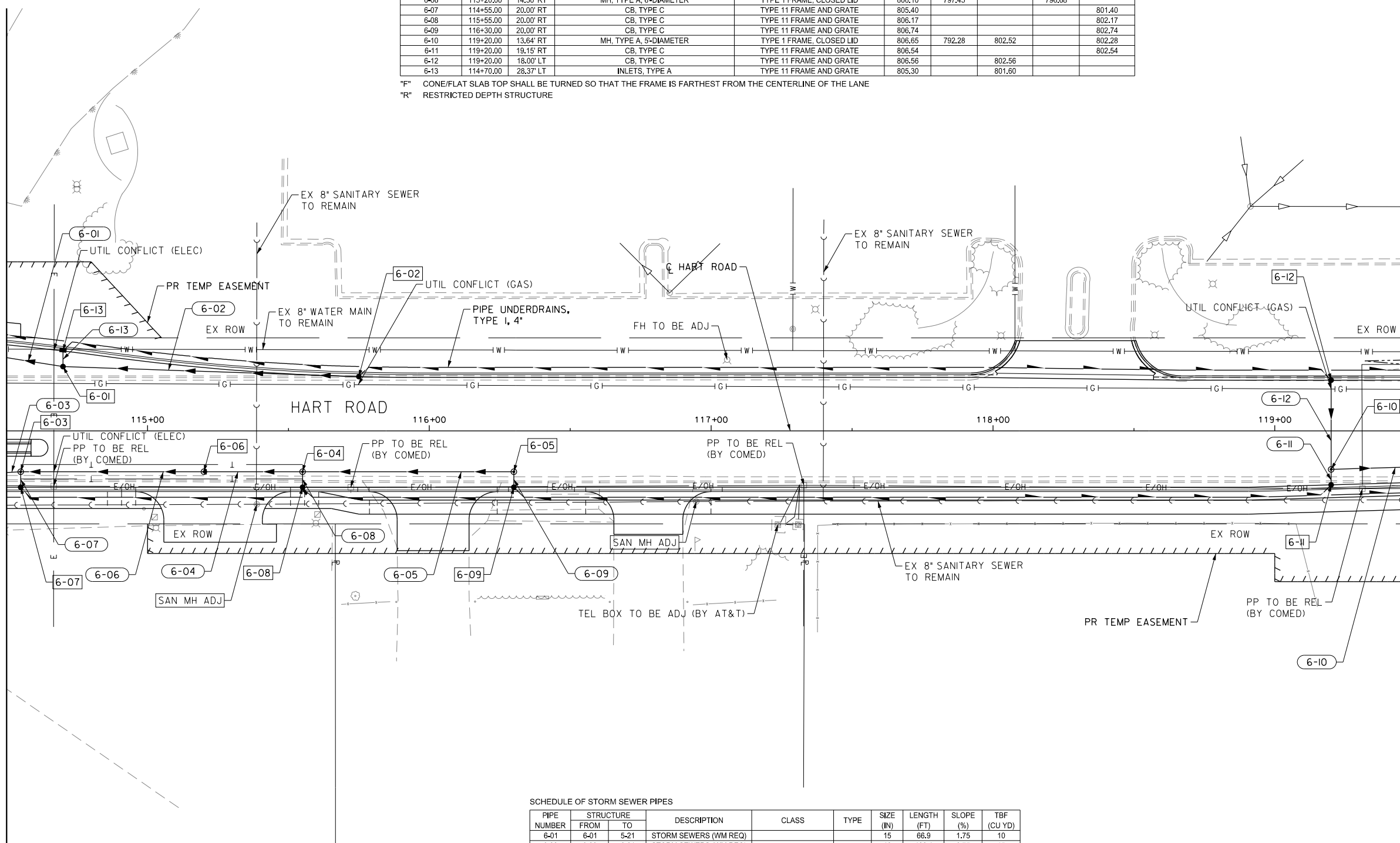


NOTES:

- SEE SHEET NO. 161 FOR DRAINAGE PROFILES.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.

SEE SHEET NO. 159
MATCH LINE STA. 114+50

MATCH LINE STA. 119+50
SEE SHEET NO. 162



SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
6-01	6-01	5-21	STORM SEWERS (WM REQ)			15	66.9	1.75	10
6-02	6-02	6-01	STORM SEWERS (WM REQ)			12	102.4	0.75	15
6-03	6-03	5-13	STORM SEWERS	A	1	EQRS 42	94.2	0.13	100
6-04	6-06	6-03	STORM SEWERS	A	2	30	29.0	0.13	34
6-05	6-05	6-04	STORM SEWERS	A	2	30	70.0	0.13	85
6-06	6-04	6-06	STORM SEWERS	A	2	EQRS 42	59.5	0.13	77
6-07	6-07	6-03	STORM SEWERS	A	1	12	1.5	1.00	1
6-08	6-08	6-04	STORM SEWERS	A	1	12	2.0	1.00	1
6-09	6-09	6-05	STORM SEWERS	A	1	12	2.0	1.00	1
6-10	6-10	7-01	STORM SEWERS	A	2	EQRS 24	85.0	0.17	182
6-11	6-11	6-10	STORM SEWERS	A	1	12	2.0	1.00	1
6-12	6-12	6-10	STORM SEWERS	A	2	12	28.1	1.00	6
6-13	6-13	6-01	STORM SEWERS, RG	A	1	12	3.0	1.75	1

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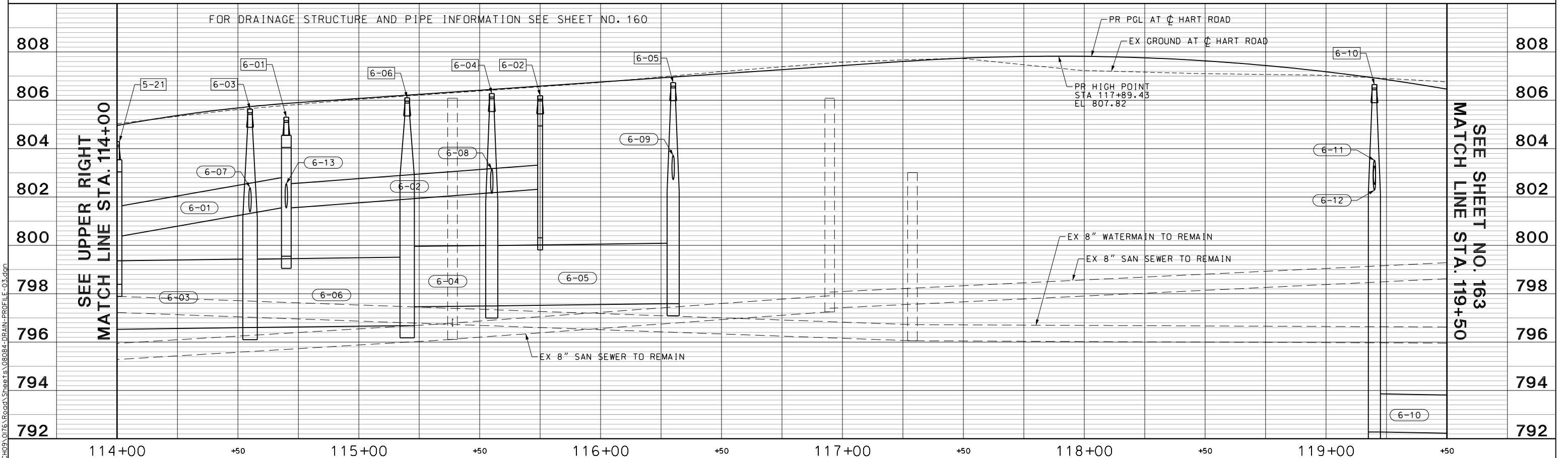
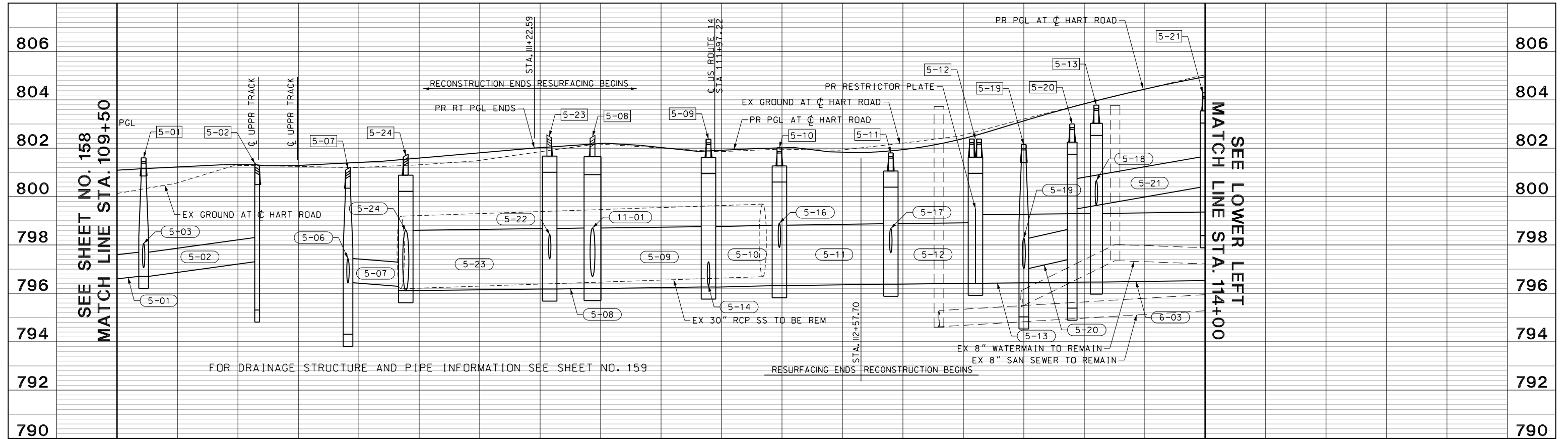
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 8 OF 25 SHEETS STA. 114+50.00 TO STA. 119+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	160
CONTRACT NO. 61D65				
ILLINOIS FED. AID PROJECT				



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD DRAINAGE PROFILE

SCALE: H: 1/20 V: 1/10 SHEET 9 OF 25 SHEETS STA. 109+50.00 TO STA. 119+50.00

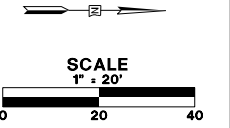
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				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				

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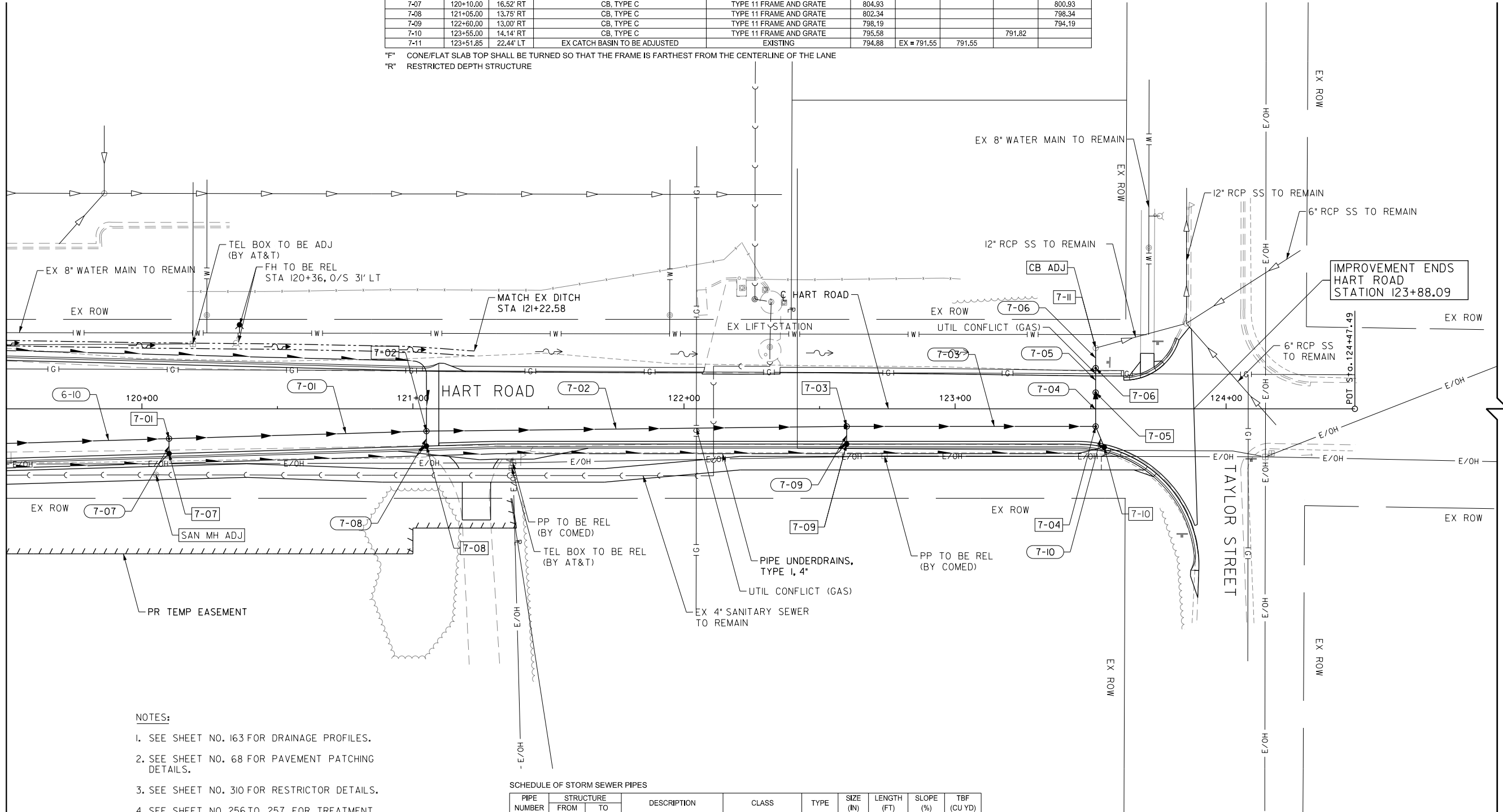
SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
7-01	120+10.00	11.02' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	805.04	792.13	800.91	792.13	
7-02	121+05.00	8.25' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	802.45	791.98	798.32	791.98	
7-03	122+60.00	6.50' RT	MH, TYPE A, 5-DIAMETER	TYPE 1 FRAME, CLOSED LID	798.32	791.73	794.16	791.73	
7-04	123+51.85	6.50' RT	MH, TYPE A, 6-DIAMETER	TYPE 1 FRAME, CLOSED LID	795.84	791.78		791.58	791.58
7-05	123+51.85	6.00' LT	MH, TYPE A, 6-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	795.85		791.57		791.57
7-06	123+51.85	15.00' LT	TREATMENT STRUCTURES	TYPE 1 FRAME, CLOSED LID	795.54		791.56		791.56
7-07	120+10.00	16.52' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	804.93				800.93
7-08	121+05.00	13.75' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	802.34				798.34
7-09	122+60.00	13.00' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	798.19				794.19
7-10	123+55.00	14.14' RT	CB, TYPE C	TYPE 11 FRAME AND GRATE	795.58				791.82
7-11	123+51.85	22.44' LT	EX CATCH BASIN TO BE ADJUSTED	EXISTING	794.88	EX = 791.55	791.55		

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



SEE SHEET NO. 160
 MATCH LINE STA. 119+50



- NOTES:
- SEE SHEET NO. 163 FOR DRAINAGE PROFILES.
 - SEE SHEET NO. 68 FOR PAVEMENT PATCHING DETAILS.
 - SEE SHEET NO. 310 FOR RESTRICTOR DETAILS.
 - SEE SHEET NO. 256 TO 257 FOR TREATMENT STRUCTURE DETAILS.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
7-01	7-01	7-02	STORM SEWERS	A	2	EQRS 24	90.0	0.17	157
7-02	7-02	7-03	STORM SEWERS	A	2	EQRS 24	150.0	0.17	164
7-03	7-03	7-04	STORM SEWERS	A	2	EQRS 24	86.4	0.17	27
7-04	7-04	7-05	STORM SEWERS	A	1	EQRS 24	6.5	0.17	1
7-05	7-05	7-06	STORM SEWERS	A	1	15	2.0	0.50	1
7-06	7-06	7-11	STORM SEWERS, RG	A	1	15	1.4	0.50	1
7-07	7-07	7-01	STORM SEWERS	A	1	12	2.0	1.00	1
7-08	7-08	7-02	STORM SEWERS	A	1	12	2.0	1.00	1
7-09	7-09	7-03	STORM SEWERS	A	1	12	3.0	1.00	1
7-10	7-10	7-04	STORM SEWERS	A	1	12	4.3	1.00	1

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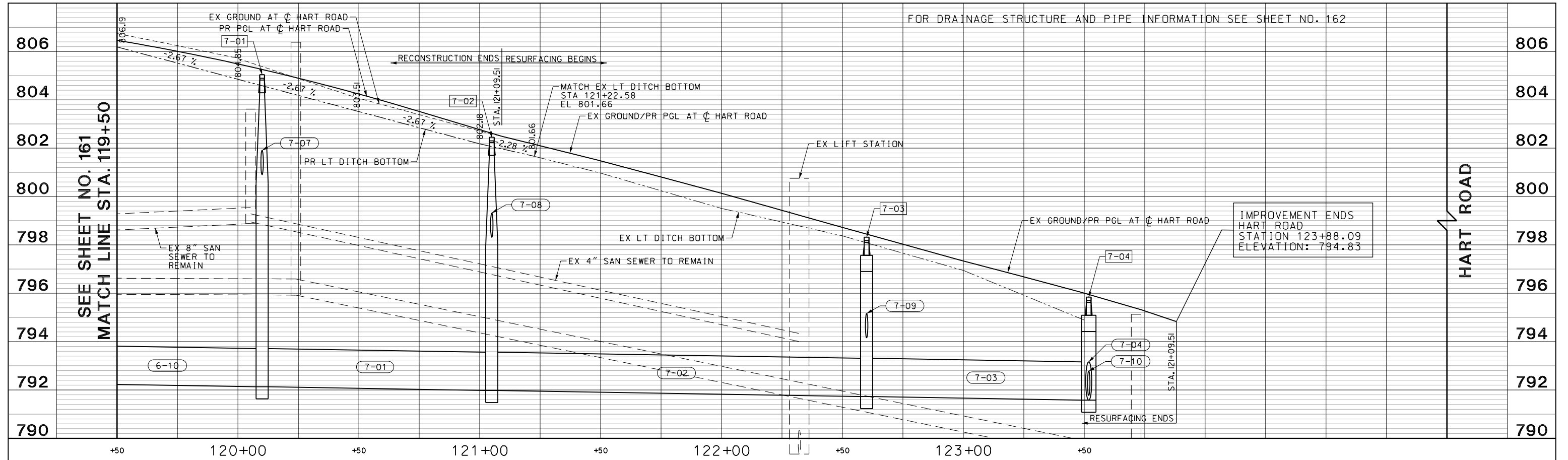
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 10 OF 25 SHEETS STA. 119+50.00 TO STA. 125+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	162
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



FOR DRAINAGE STRUCTURE AND PIPE INFORMATION SEE SHEET NO. 162

SEE SHEET NO. 161
MATCH LINE STA. 119+50

HART ROAD

IMPROVEMENT ENDS
HART ROAD
STATION 123+88.09
ELEVATION: 794.83

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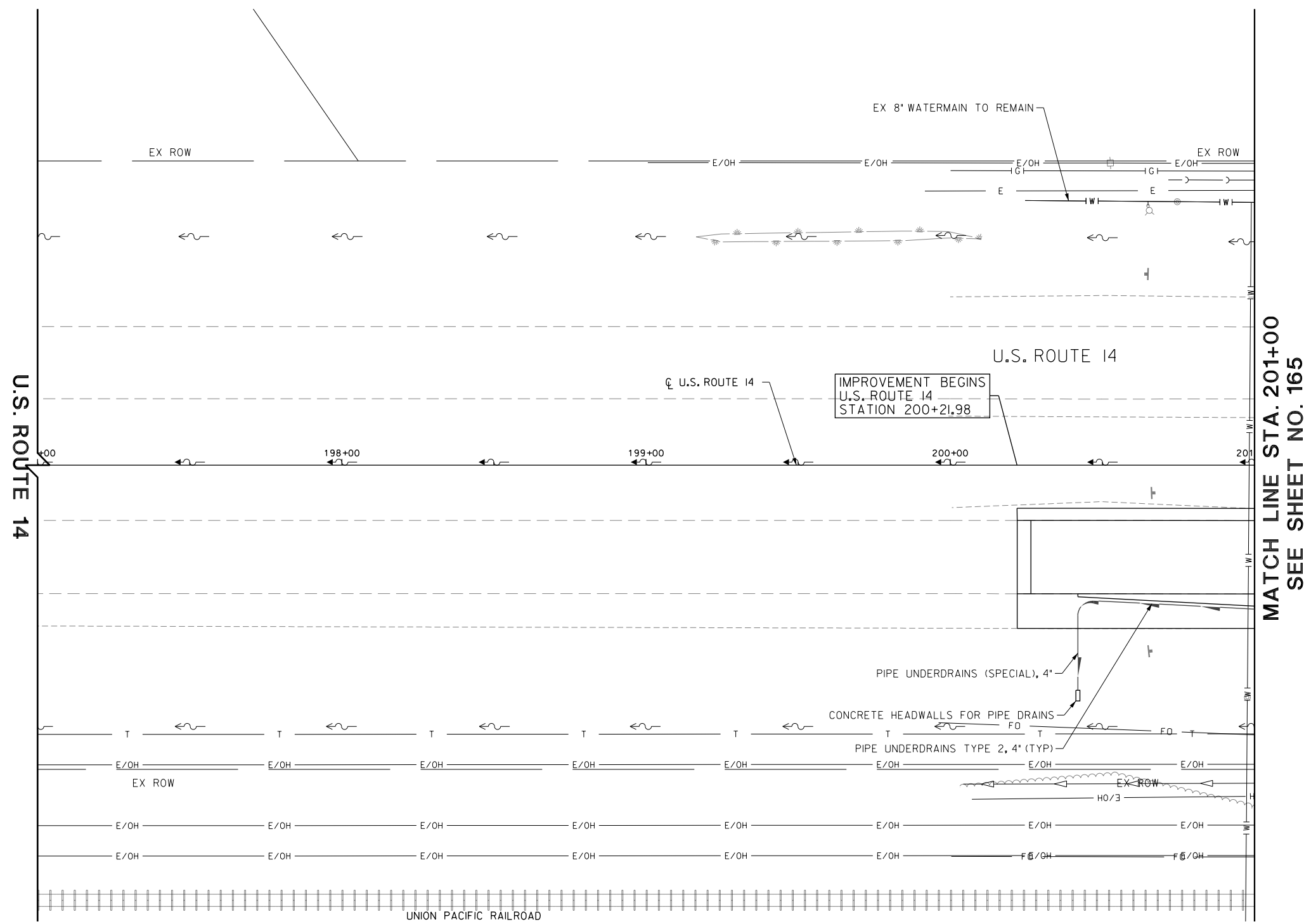
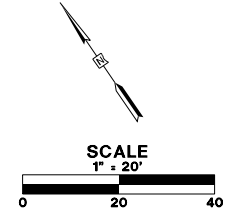
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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HART ROAD DRAINAGE PROFILE

SCALE: H: 1:20 V: 1:10 SHEET II OF 25 SHEETS STA. 119+50.00 TO STA. 125+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	15-00277-01-BR	LAKE	423	163
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				



- NOTES:
- SEE SHEET NO. 166 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

MATCH LINE STA. 201+00
SEE SHEET NO. 165

FILE NAME: g:\ch09\0176\road\Sheet\08084-DRAIN-08.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
DRAWN - AMK	REVISED -	
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DATE - 5/22/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

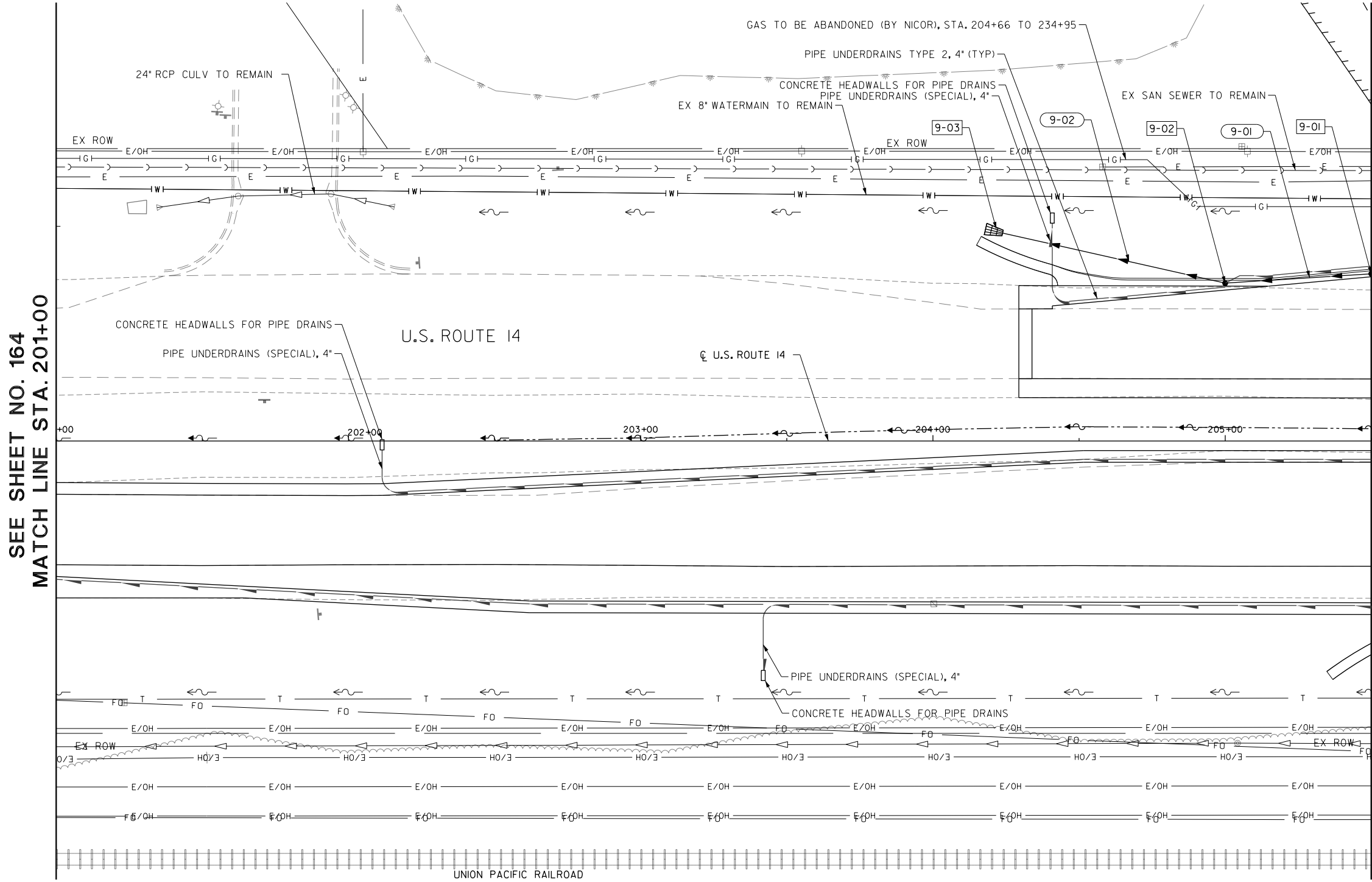
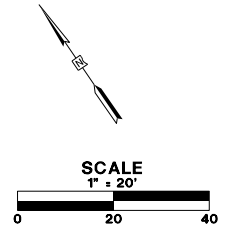
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	164
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
9-01	205+50.00	56.20' LT	MH, TYPE A, 6'-DIAMETER	TYPE 24 FRAME AND GRATE	800.87		796.39	796.50	796.39
9-02	205+00.00	52.99' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	800.61		796.03		795.52
9-03	204+18.00	72.53' LT	PRC FES 24	PRC FES 24 GRATE			795.19		

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



SEE SHEET NO. 164
MATCH LINE STA. 201+00

MATCH LINE STA. 205+50
SEE SHEET NO. 167

- NOTES:
- SEE SHEET NO. 166 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
9-01	9-01	9-02	STORM SEWERS	A	2	18	45.1	0.80	10
9-02	9-02	9-03	STORM SEWERS	A	1	24	75.9	0.43	6

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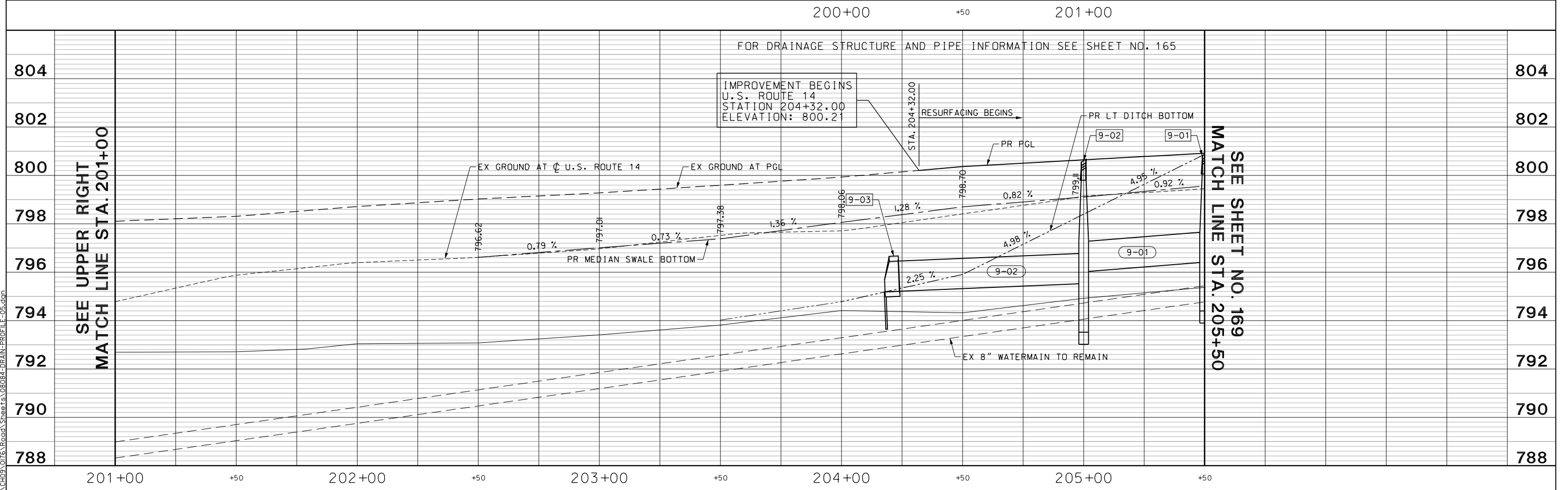
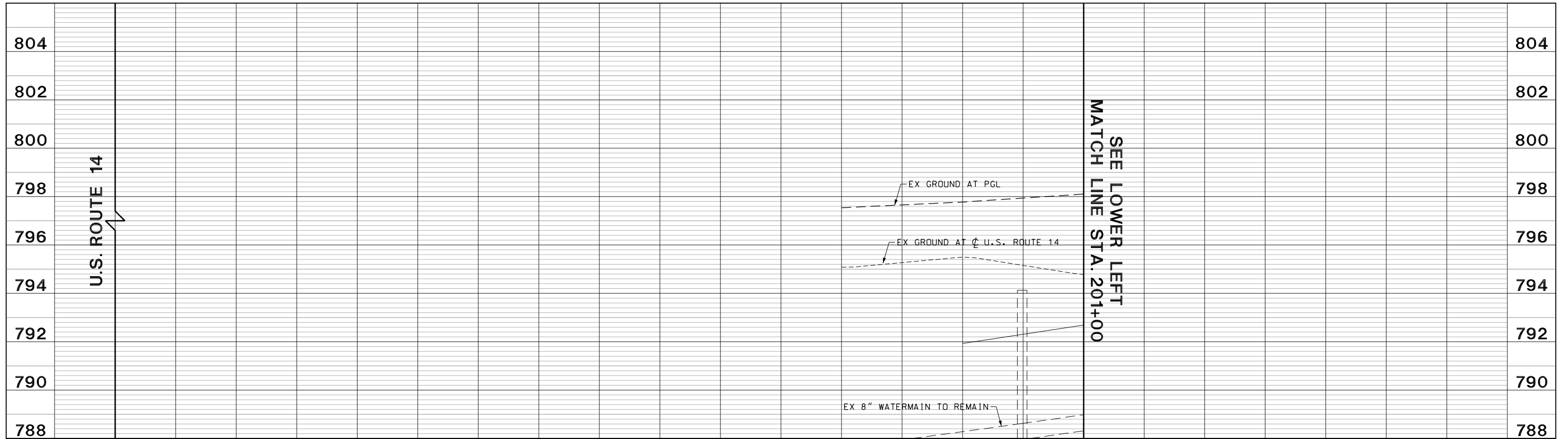
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 13 OF 25 SHEETS STA. 201+00.00 TO STA. 205+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	165
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 14 DRAINAGE PROFILE			
SCALE: H: 1/20 V: 1/10	SHEET 14	OF 25 SHEETS	STA. 197+00.00 TO STA. 205+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	15-00277-01-BR	LAKE	423	166
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				

FILE NAME: G:\en09\0176\road\Sheet\50804-DRAIN-10.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

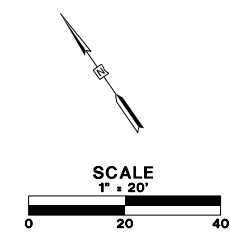
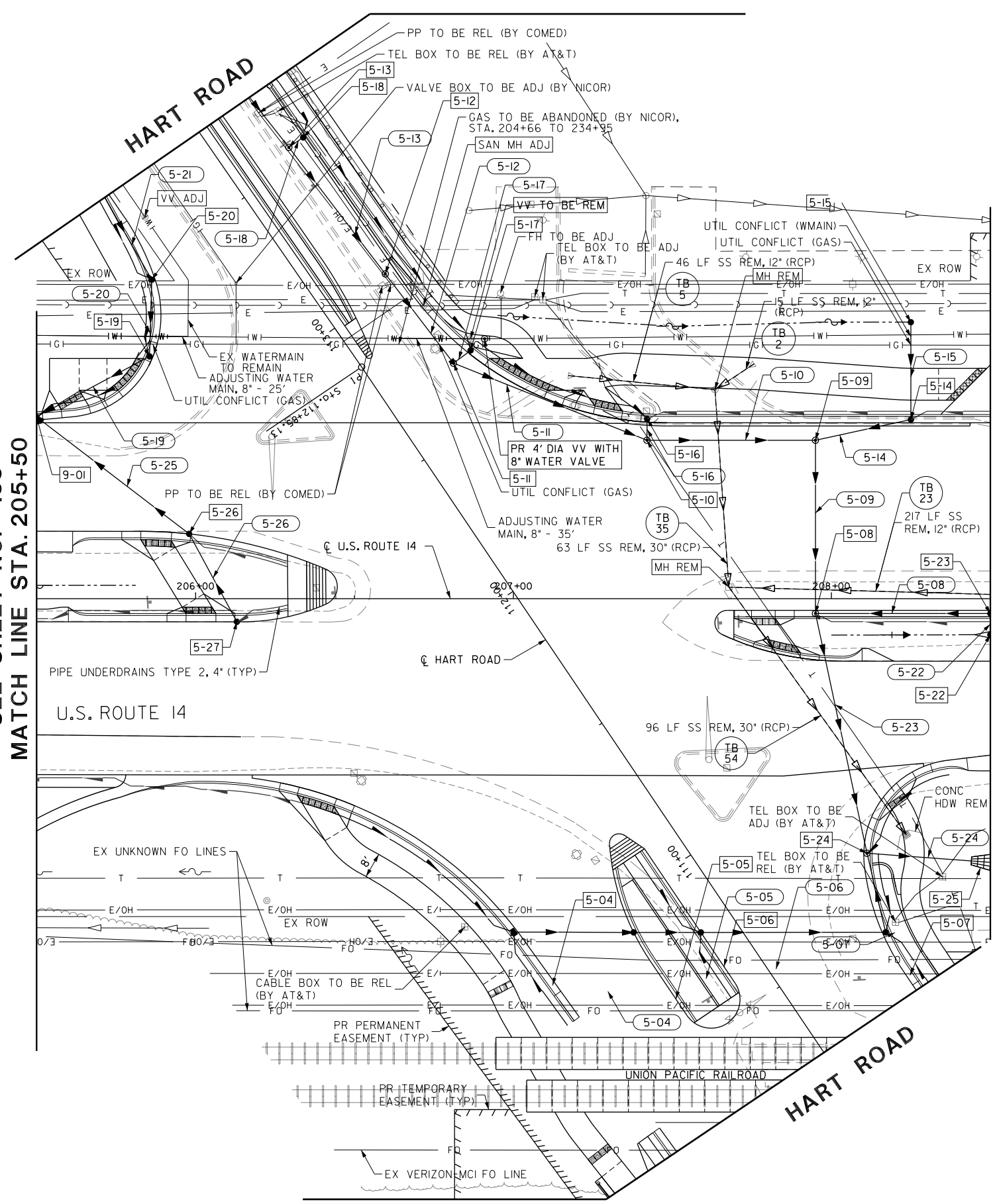
DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20' SHEET 15 OF 25 SHEETS STA. 205+50.00 TO STA. 208+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	167
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 165
MATCH LINE STA. 205+50

MATCH LINE STA. 208+50
SEE SHEET NO. 168



NOTES:

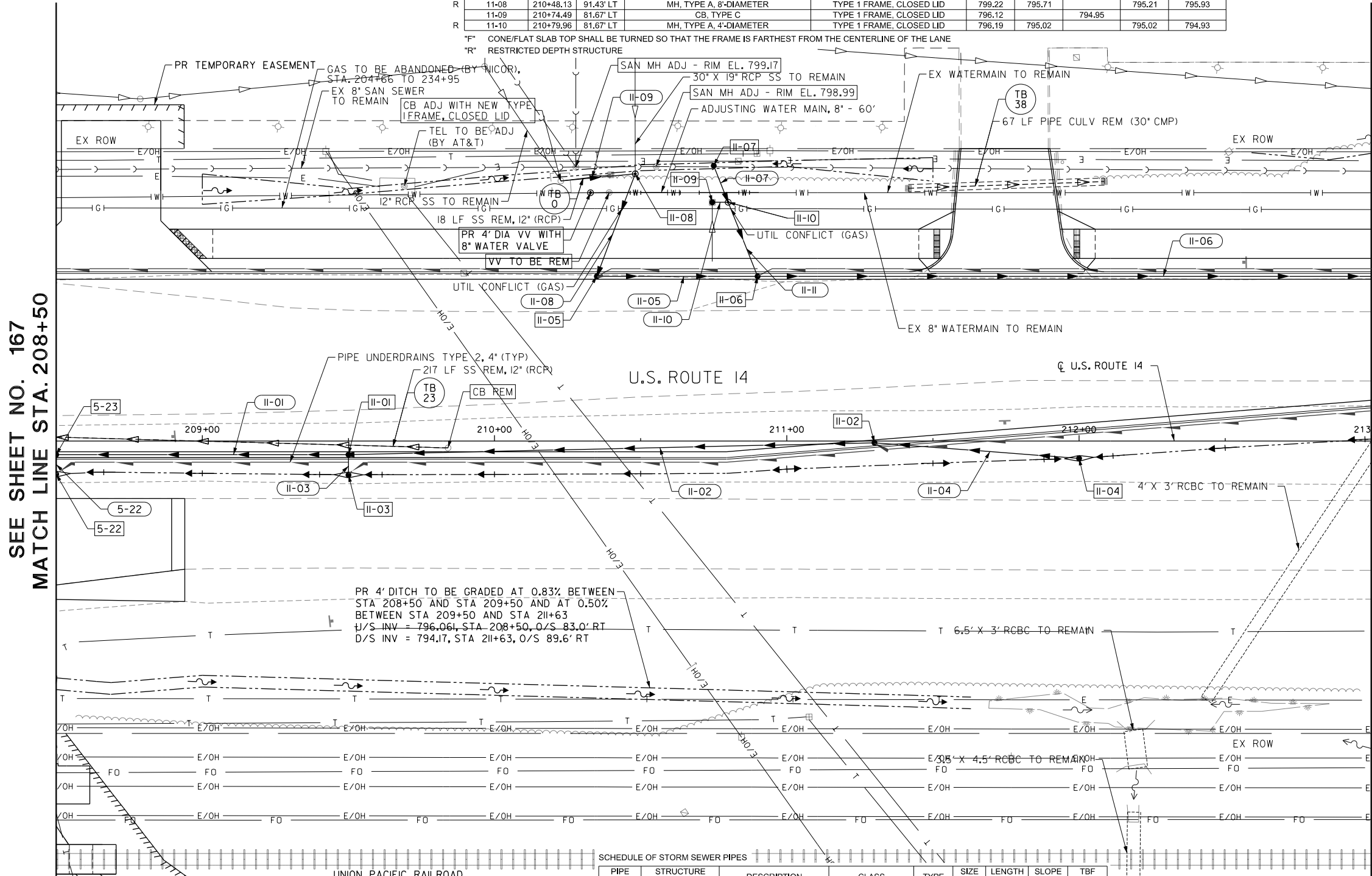
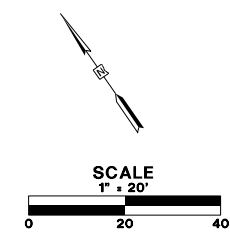
- SEE SHEET NO. 169 FOR DRAINAGE STRUCTURE AND PIPE SCHEDULES.
- SEE SHEET NO. 71 FOR PAVEMENT PATCHING DETAILS.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
- PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
11-01	209+50.00	3.64' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	803.23		797.08	798.09	797.08
11-02	211+30.00	0.40' LT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	804.44			797.66	797.46
11-03	209+50.00	11.60' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	802.11	798.11			
11-04	212+00.00	5.92' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	802.11	798.01			
11-05	210+35.00	55.36' LT	MH, TYPE A, 8'-DIAMETER	TYPE 24 FRAME AND GRATE	803.16	794.47	794.27		
11-06	210+90.00	55.36' LT	MH, TYPE A, 6'-DIAMETER	TYPE 24 FRAME AND GRATE	803.38	795.02	794.15		794.15
11-07	210+75.00	94.19' LT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	798.72			795.38	
11-08	210+48.13	91.43' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	799.22	795.71		795.21	795.93
11-09	210+74.49	81.67' LT	CB, TYPE C	TYPE 1 FRAME, CLOSED LID	796.12		794.95		
11-10	210+79.96	81.67' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	796.19	795.02		795.02	794.93

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE

R RESTRICTED DEPTH STRUCTURE



SEE SHEET NO. 167
MATCH LINE STA. 208+50

MATCH LINE STA. 213+00
SEE SHEET NO. 170

- NOTES:
- SEE SHEET NO. 169 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
 - CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
11-01	11-01	5-23	STORM SEWERS	A	2	24	95.0	0.25	36
11-02	11-02	11-01	STORM SEWERS	A	2	24	175.0	0.22	121
11-03	11-03	11-01	STORM SEWERS	A	2	12	2.1	1.00	1
11-04	11-04	11-02	STORM SEWERS	A	2	24	65.7	0.54	21
11-05	11-05	11-06	STORM SEWERS	A	2	30	48.0	0.25	60
11-06	11-06	12-06	STORM SEWERS	A	2	30	242.5	0.25	385
11-07	11-07	11-06	STORM SEWERS, RG	A	2	12	35.7	1.00	3
11-08	11-08	11-05	STORM SEWERS, RG	A	2	EQRS 30	29.5	2.51	28
11-09	EX CB	11-08	STORM SEWERS (WM REQ)			12	19.6	1.58	3
11-10	11-09	11-10	STORM SEWERS (WM REQ)			12	2.5	1.00	1
11-11	11-10	11-06	STORM SEWERS, RG	A	2	12	22.2	1.00	1

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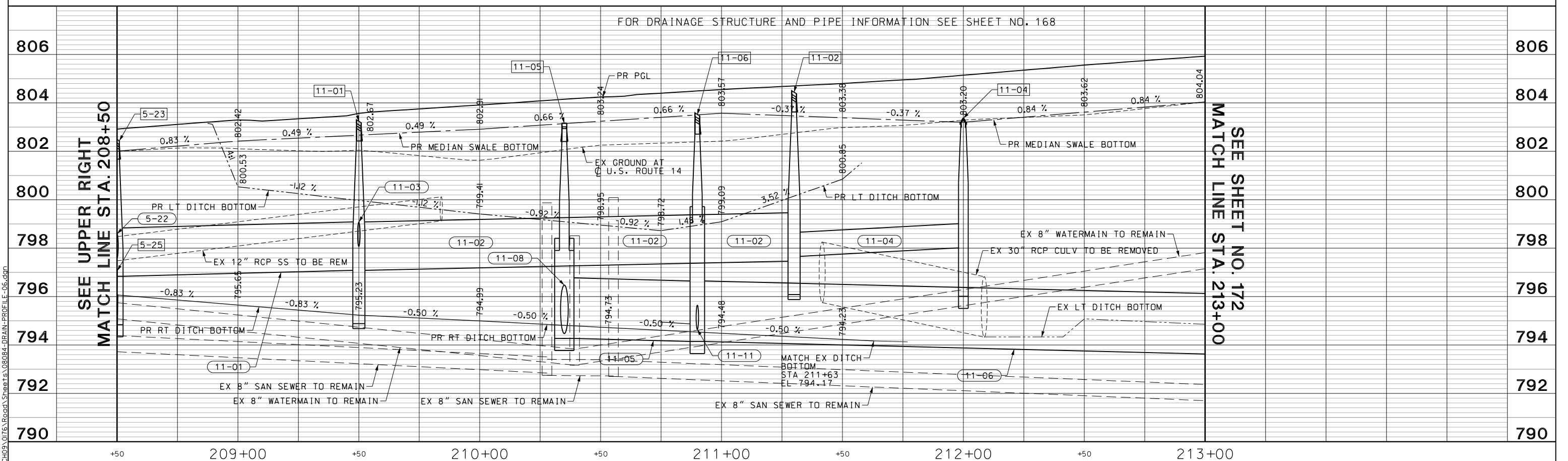
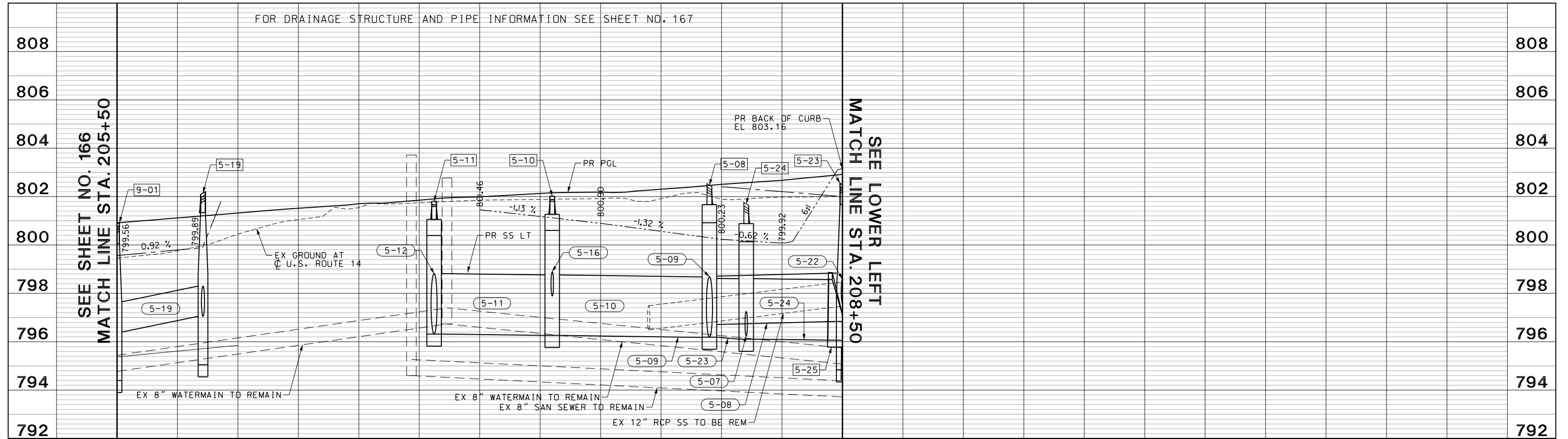
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 16 OF 25 SHEETS STA. 208+50.00 TO STA. 213+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	168
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



FILE NAME: G:\CH05\076_Road\Sheet\168084-DRAIN-PROFILE-06.dgn



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	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 14 DRAINAGE PROFILE

SCALE: H: 1/20
V: 1/10

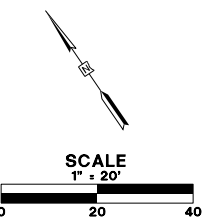
SHEET 17 OF 25 SHEETS STA. 205+50.00 TO STA. 213+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	15-00277-01-BR	LAKE	423	169
				CONTRACT NO. 61D65
ILLINOIS FED. AID PROJECT				

SCHEDULE OF STORM SEWER STRUCTURES

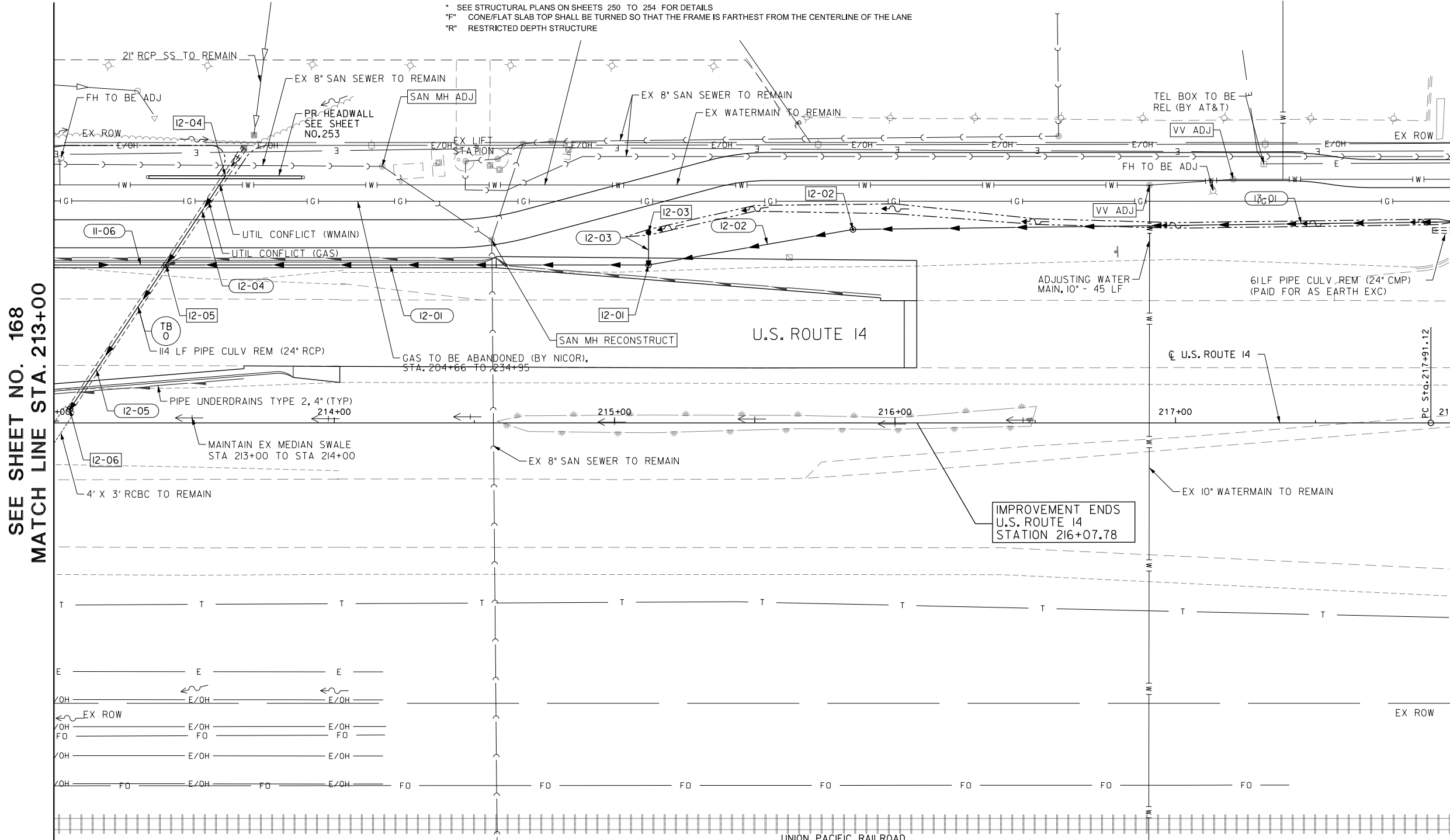
STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
12-01	215+12.09	56.36' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	807.49	796.73	795.73	795.73	796.40
12-02	215+85.00	69.00' LT	MH, TYPE A, 10'-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	805.90	796.40	796.40	796.40	796.40
12-03	215+12.09	68.00' LT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	802.95		796.80	796.80	
* 12-04	213+61.16	88.13' LT	BOX CULV END SEC C1				792.80	792.80	
12-05	213+40.00	55.36' LT	MH, TYPE A, 9'-DIAMETER	TYPE 24 FRAME AND GRATE	805.55	792.54	794.08	792.54	793.54
12-06	213+05.67	4.82' LT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	804.67	792.15	EX = 792.15		

* SEE STRUCTURAL PLANS ON SHEETS 250 TO 254 FOR DETAILS
 F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



NOTES:

- SEE SHEET NO. 172 FOR DRAINAGE PROFILES.
- SEE SHEET NO. 73 FOR PAVEMENT PATCHING DETAILS.
- SEE SHEET NO. 310 FOR RESTRICTOR DETAILS.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.



MATCH LINE STA. 218+00
SEE SHEET NO. 171

NOTES (CONTINUED):

- PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
12-01	12-01	12-05	STORM SEWERS	A	2	24	165.1	1.00	331
12-02	12-02	12-01	STORM SEWERS	A	2	24	66.5	1.00	101
12-03	12-03	12-01	STORM SEWERS	A	2	12	7.1	1.00	7
12-04	12-04	12-05	BOX CULVERTS, RG	PRECAST CONCRETE		4' X 3'	34.9	0.76	34
12-05	12-05	12-06	BOX CULVERTS	PRECAST CONCRETE		4' X 3'	51.7	0.76	119

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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

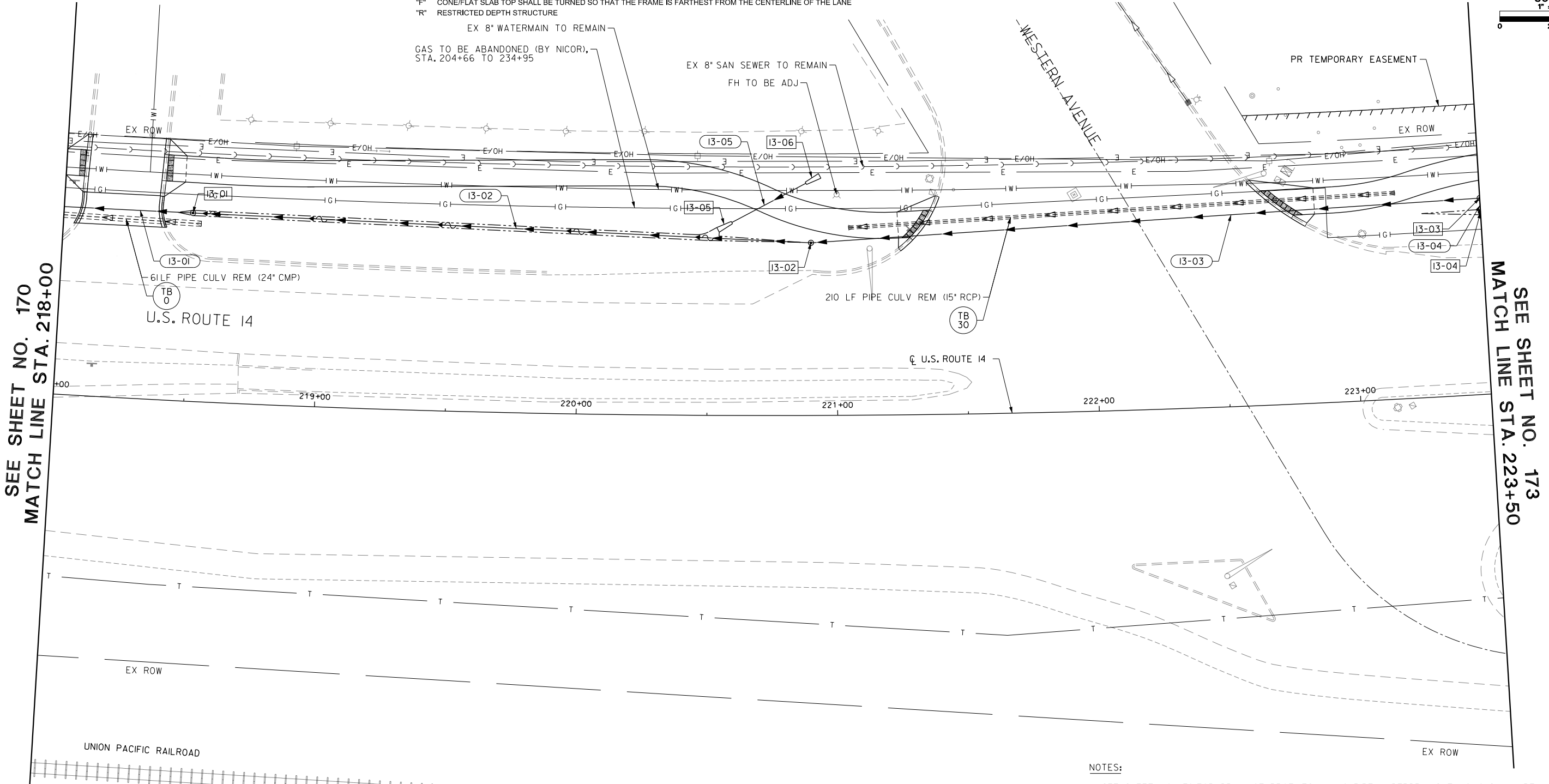
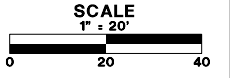
SCALE: 1:20 SHEET 18 OF 25 SHEETS STA. 213+00.00 TO STA. 218+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	170
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS		
						NORTH	EAST	WEST
13-01	218+50.00	72.00' LT	MH, TYPE A, 10'-DIAMETER	TYPE 8 GRATE	809.60	796.52		796.52
13-02	220+90.00	66.00' LT	MH, TYPE A, 10'-DIAMETER	TYPE 1 FRAME, CLOSED LID	810.48	804.10		796.64
13-03	223+50.00	75.00' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	813.87	807.22	807.68	807.22
13-04	223+50.00	69.65' LT	CB, TYPE C	TYPE 8 GRATE	812.58	807.70		
13-05	220+53.95	70.89' LT	PRC FES 8			809.50		
13-06	220+93.50	91.56' LT	PRC FES 8					810.20

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



EX 8" WATERMAIN TO REMAIN
 GAS TO BE ABANDONED (BY NICOR), STA. 204+66 TO 234+95

EX 8" SAN SEWER TO REMAIN
 FH TO BE ADJ.

SEE SHEET NO. 170
 MATCH LINE STA. 218+00

SEE SHEET NO. 173
 MATCH LINE STA. 223+50

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE FROM	STRUCTURE TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
13-01	13-01	12-02	STORM SEWERS	A	2	84	254.1	0.05	94
13-02	13-02	13-01	STORM SEWERS	A	2	84	226.4	0.05	
13-03	13-03	13-02	STORM SEWERS (WM REQ)			18	249.1	1.25	170
13-04	13-04	13-03	STORM SEWERS	A	2	12	2.3	1.00	
13-05	13-05	13-06	STORM SEWERS (WM REQ)			8	32.0	2.19	2

NOTES:

- SEE SHEET NO. 172 FOR DRAINAGE PROFILES.
- SEE SHEET NO. 74 FOR PAVEMENT PATCHING DETAILS.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
- PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

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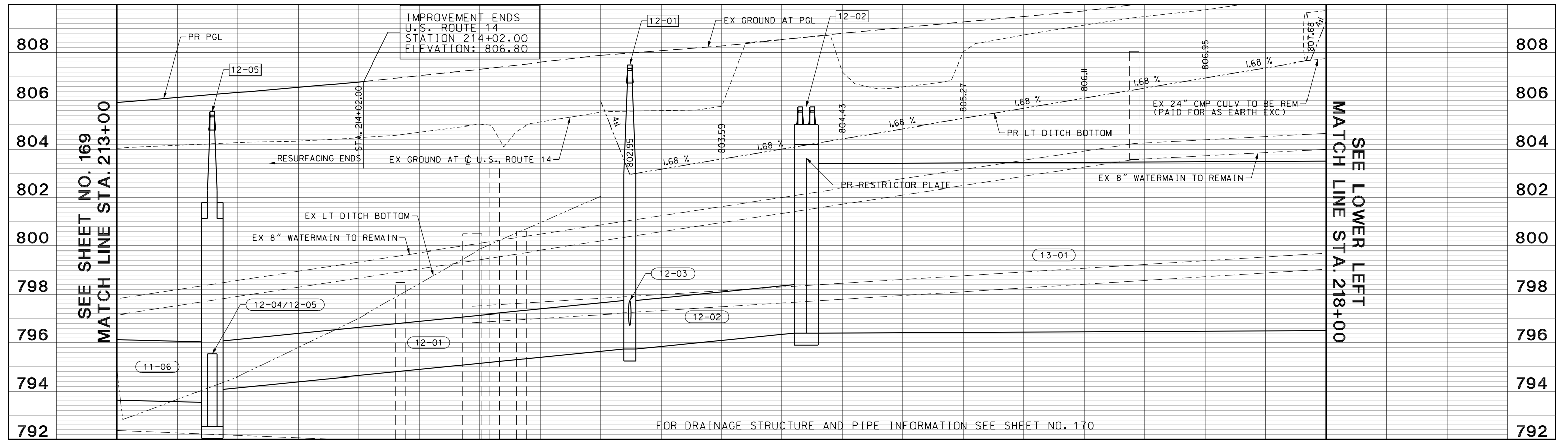
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	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

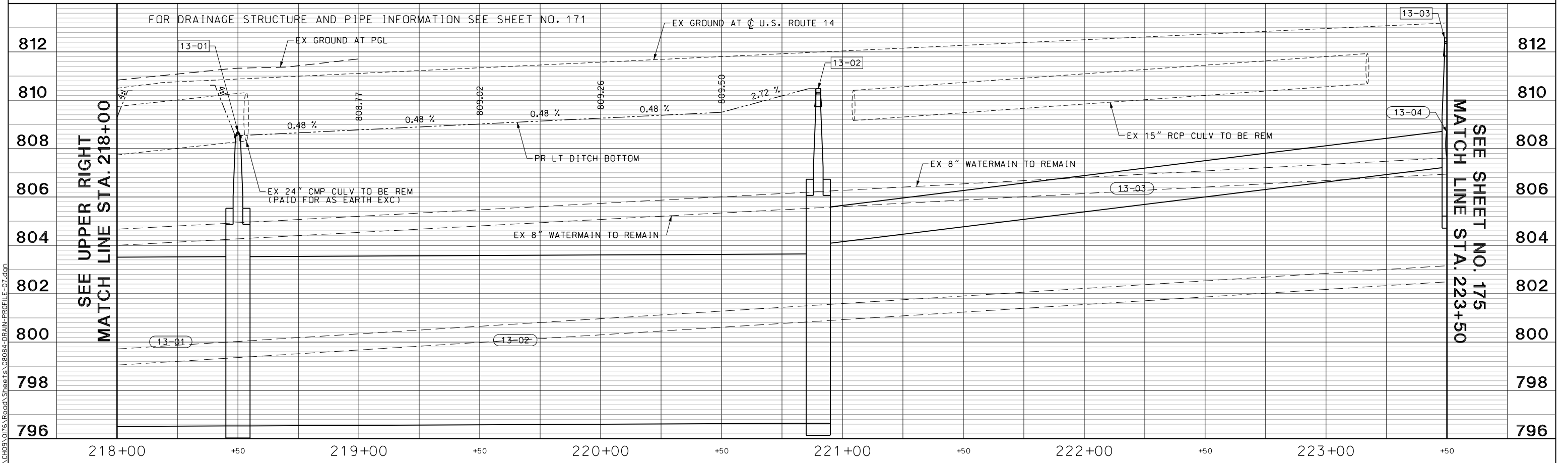
DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 19 OF 25 SHEETS STA. 218+00.00 TO STA. 223+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	171
			CONTRACT NO. 61D65	
ILLINOIS FED. AID PROJECT				



213+00 +50 214+00 +50 215+00 +50 216+00 +50 217+00 +50 218+00



218+00 +50 219+00 +50 220+00 +50 221+00 +50 222+00 +50 223+00 +50

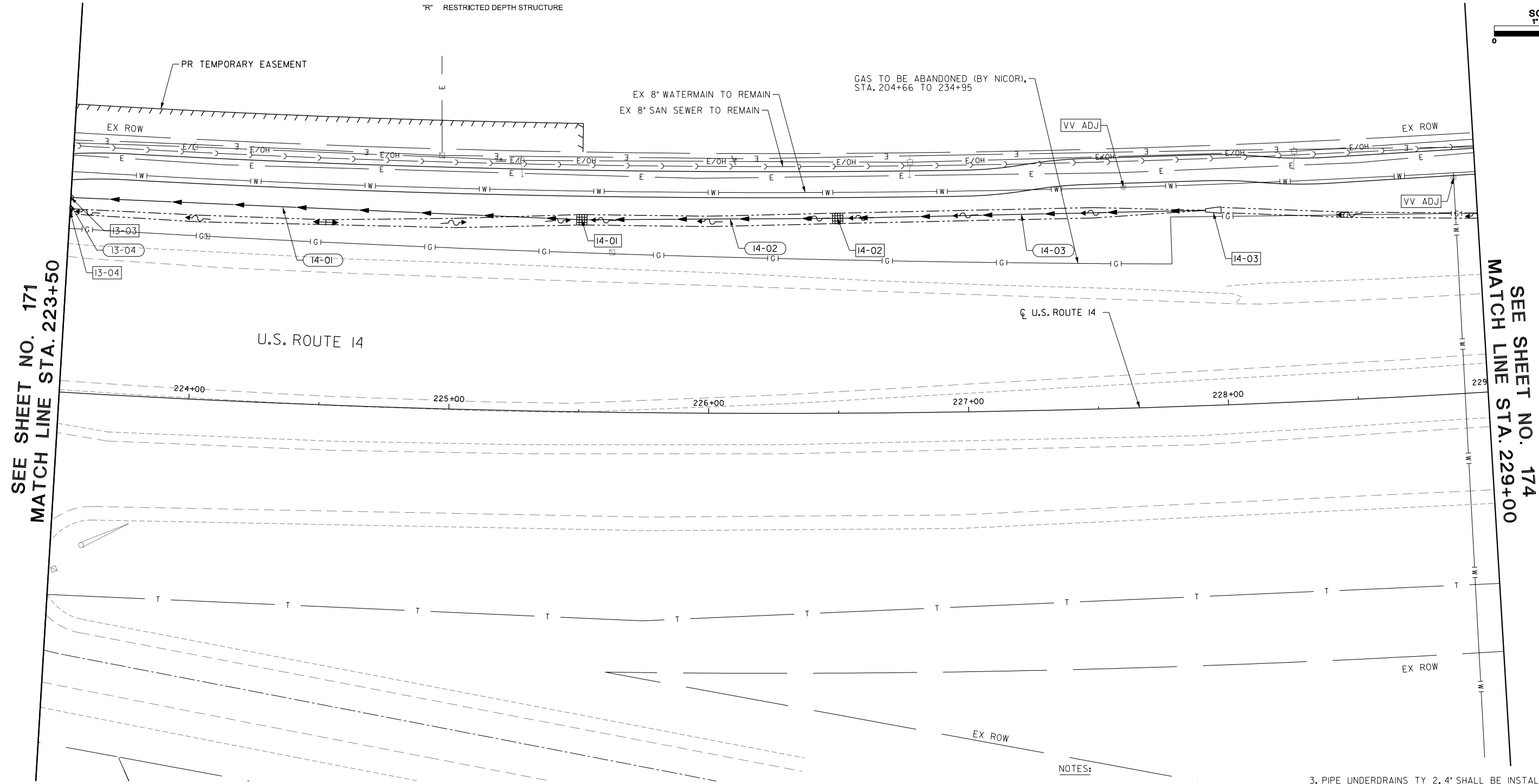
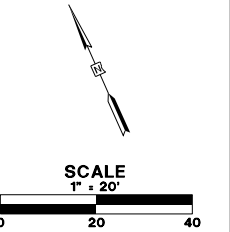
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	PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -		SCALE: H: 1/20 V: 1/10	SHEET 20	OF 25 SHEETS	STA. 213+00.00	TO STA. 223+50.00	CONTRACT NO. 61D65		
	PLOT DATE = 5/22/2019	DATE - 5/22/2019	REVISED -		ILLINOIS FED. AID PROJECT							

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SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
14-01	225+50.00	73.93' LT	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	STEEL FRAME AND GRATE	812.50				
14-02	226+50.00	75.00' LT	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	STEEL FRAME AND GRATE	814.50	809.63			809.63
14-03	228+00.00	75.00' LT	PRC FES 18						812.50

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



SEE SHEET NO. 171
MATCH LINE STA. 223+50

SEE SHEET NO. 174
MATCH LINE STA. 229+00

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
14-01	14-01	13-03	STORM SEWERS (WM REQ)			18	193.2	1.25	0
14-02	14-02	14-01	STORM SEWERS (WM REQ)			18	95.4	1.25	0
14-03	14-03	14-02	STORM SEWERS (WM REQ)			18	134.0	1.25	0

- NOTES:
- SEE SHEET NO. 175 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
 - CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

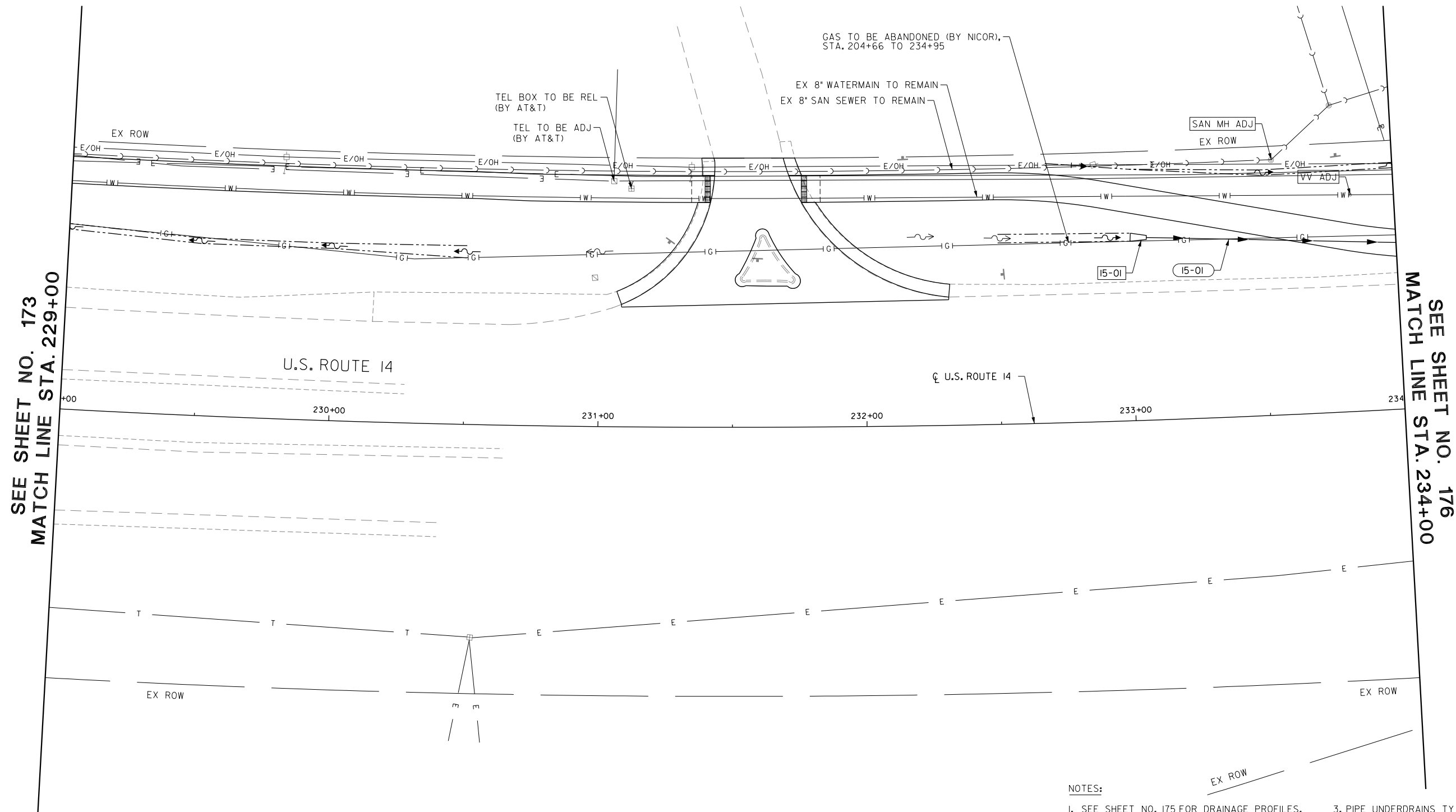
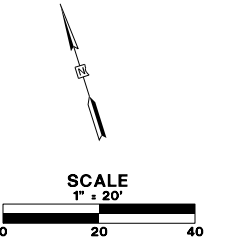
SCALE: 1:20 SHEET 21 OF 25 SHEETS STA. 223+50.00 TO STA. 229+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	173
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	

SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
15-01	233+00.00	68.22' LT	PRC FES 18			816.50			

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



SEE SHEET NO. 173
MATCH LINE STA. 229+00

SEE SHEET NO. 176
MATCH LINE STA. 234+00

NOTES:

- SEE SHEET NO. 175 FOR DRAINAGE PROFILES.
- ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
- PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.

SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
15-01	15-01	16-03	STORM SEWERS	A	1	18	108.4	1.85	18

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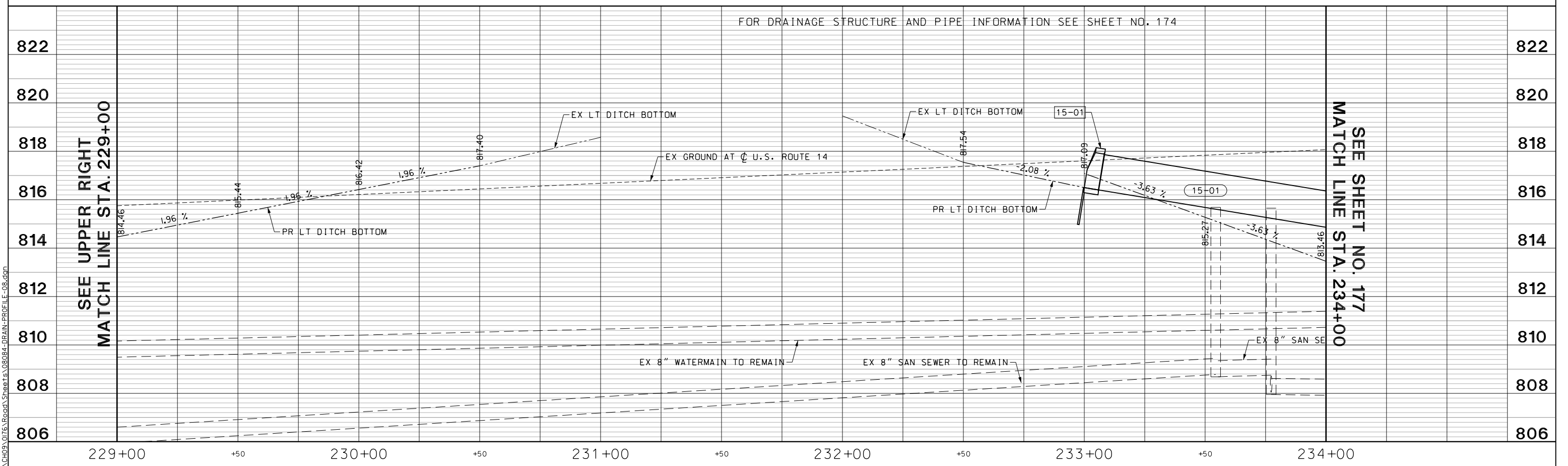
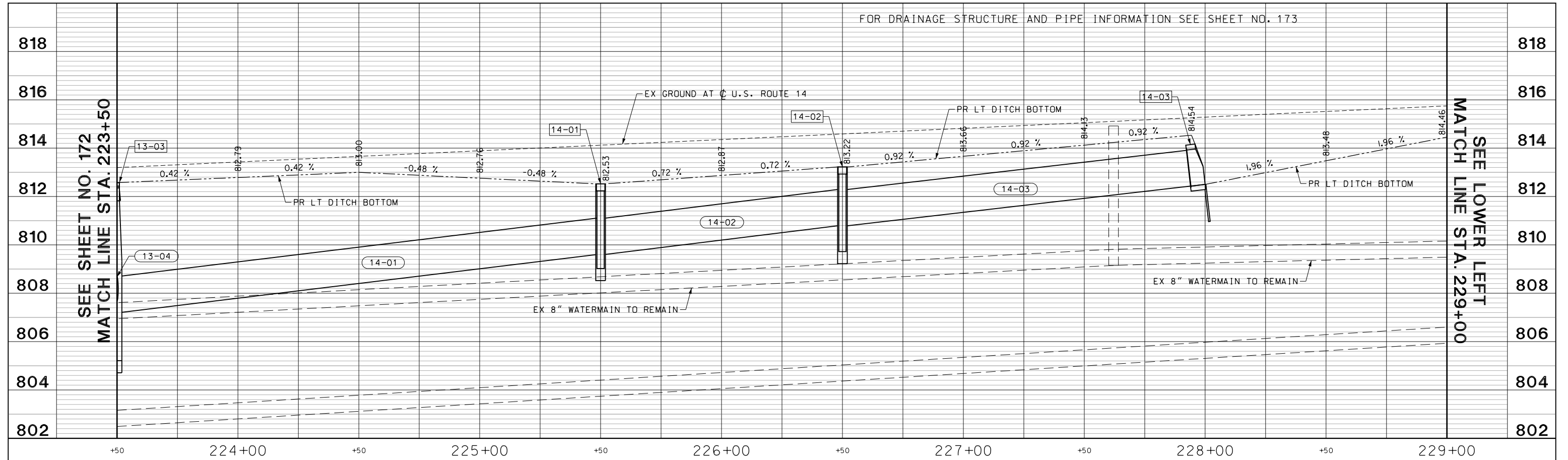
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 22 OF 25 SHEETS STA. 229+00.00 TO STA. 234+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	174
CONTRACT NO. 6ID65			ILLINOIS FED. AID PROJECT	



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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 14 DRAINAGE PROFILES

SCALE: H: 1/20
V: 1/10

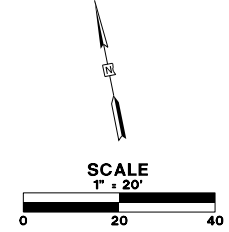
SHEET 23 OF 25 SHEETS STA. 223+50.00 TO STA. 234+00.00

FAU RTE. 2549	SECTION 15-00277-01-BR	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 175
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

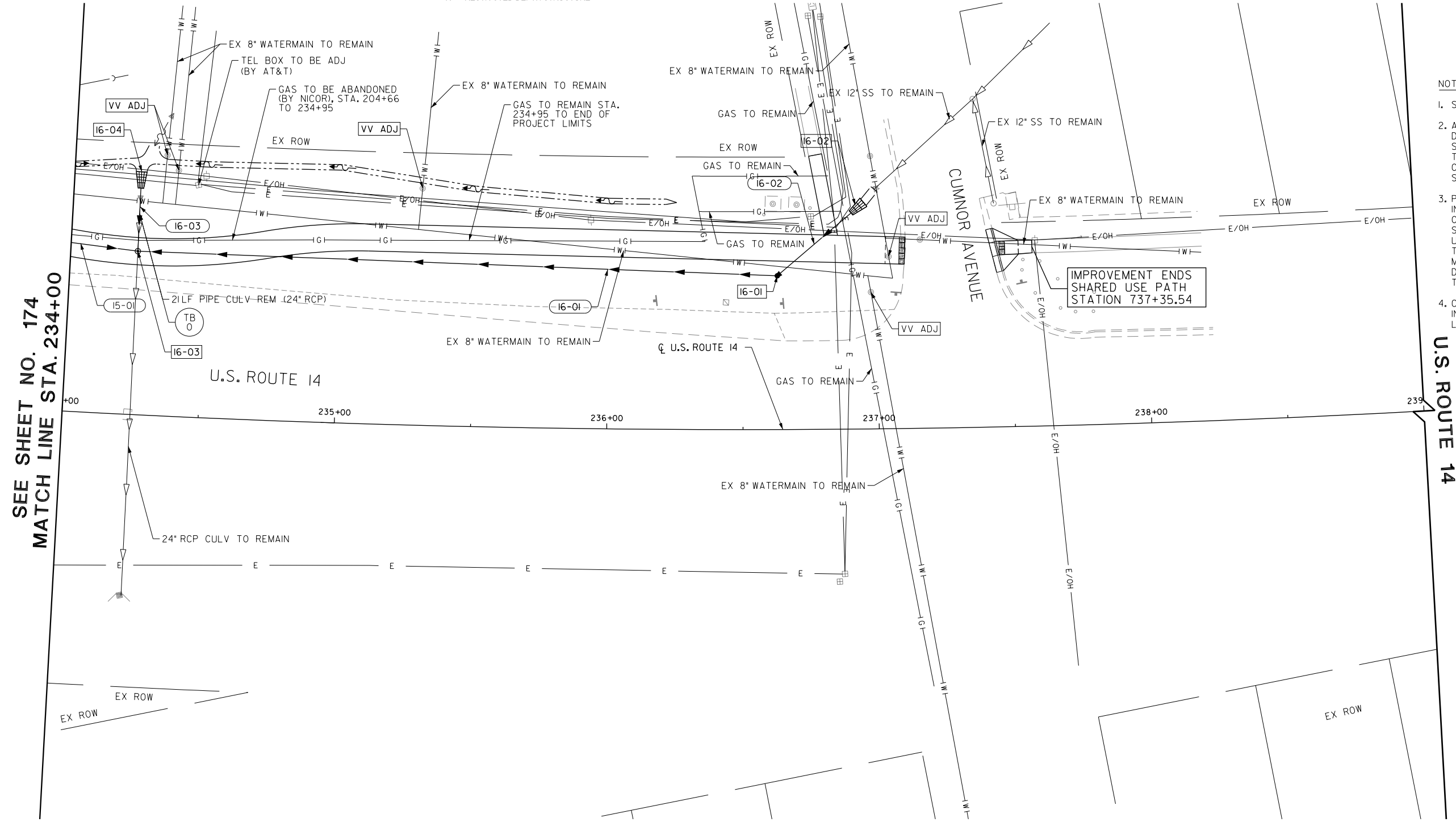
SCHEDULE OF STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
						NORTH	EAST	SOUTH	WEST
R 16-01	236+62.75	56.43' LT	MH, TYPE A, 4-DIAMETER	TYPE 1 FRAME, CLOSED LID	818.29	813.65			813.65
R 16-02	236+95.00	83.19' LT	PRC FES 24	PRC FES 24 GRATE				814.98	
R 16-03	234+24.92	60.03' LT	MH, TYPE A, 6-DIAMETER	TYPE 1 FRAME, CLOSED LID	819.21	812.50	812.50	EX = 812.50	814.50
R 16-04	234+25.00	89.20' LT	PRC FES 24	PRC FES 24 GRATE				812.61	

F CONE/FLAT SLAB TOP SHALL BE TURNED SO THAT THE FRAME IS FARTHEST FROM THE CENTERLINE OF THE LANE
 R RESTRICTED DEPTH STRUCTURE



- NOTES:
- SEE SHEET NO. 177 FOR DRAINAGE PROFILES.
 - ALL CULVERT WORK SHALL BE COMPLETED IN DRY CONDITIONS. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR IN-STREAM WORK TO THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION FOR APPROVAL PRIOR TO THE START OF ANY CULVERT WORK.
 - PIPE UNDERDRAINS TY 2, 4" SHALL BE INSTALLED ACCORDING TO SECTION 601001-05 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE SUBGRADE OR UNDERCUT. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
 - CONTRACTOR SHALL USE HAND EXCAVATION TO INSTALL ALL STORM SEWER AND UTILITIES LOCATED NEAR EXISTING GAS MAINS.



SCHEDULE OF STORM SEWER PIPES

PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	TO							
16-01	16-01	16-03	STORM SEWERS (WM REQ)			24	229.8	0.50	163
16-02	16-02	16-01	STORM SEWERS, RG	A	2	24	27.4	1.75	5
16-03	16-04	16-03	STORM SEWERS, RG	A	1	24	20.0	0.55	8

FILE NAME: g:\ch09\0176\road\Sheet15_08084-DRAIN-16.dgn



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
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PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

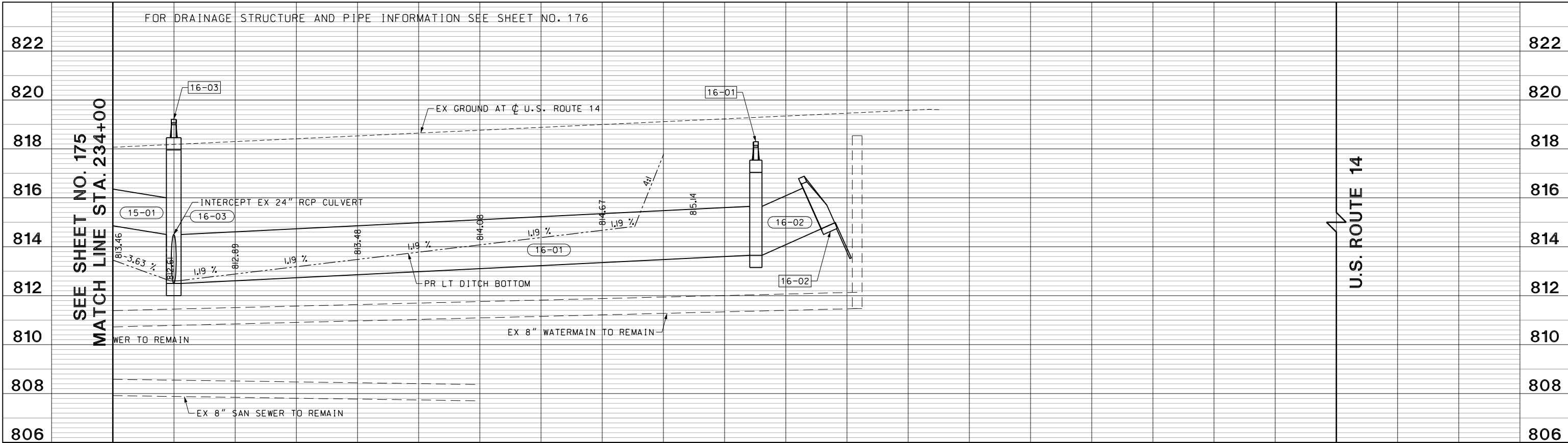
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

SCALE: 1:20 SHEET 24 OF 25 SHEETS STA. 234+00.00 TO STA. 239+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	176
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	

FOR DRAINAGE STRUCTURE AND PIPE INFORMATION SEE SHEET NO. 176



SEE SHEET NO. 175
MATCH LINE STA. 234+00

U.S. ROUTE 14

234+00 +50 235+00 +50 236+00 +50 237+00

FILE NAME: G:\CH05\076_Road\Sheet\08084-DRAIN-PROFILE-09.dgn



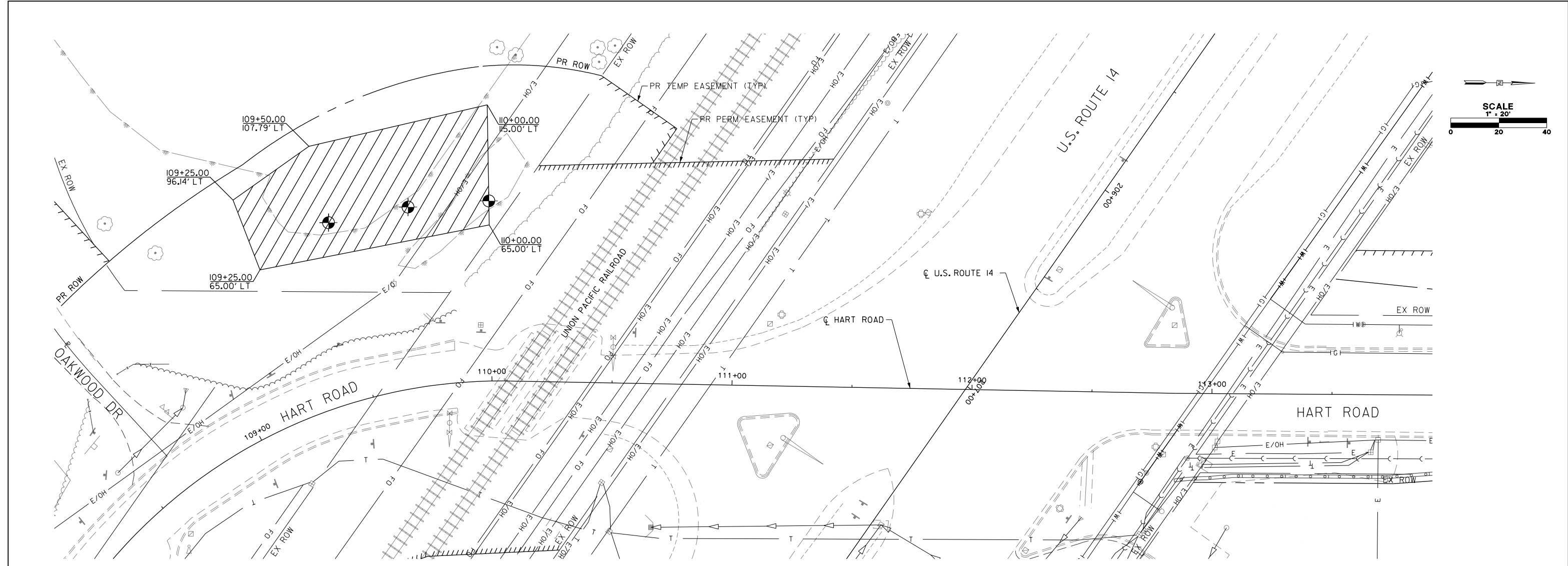
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PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 14 DRAINAGE PROFILE

SCALE: H: 1"=20'
V: 1"=10'

FAU RTE. 2549	SECTION 15-00277-01-BR	COUNTY LAKE	TOTAL SHEETS 423	SHEET NO. 177
CONTRACT NO. 61D65			ILLINOIS FED. AID PROJECT	



PLAN VIEW

- LEGEND:**
- 24" THICK SAND DRAINAGE BLANKET AND WICK DRAINS ON 4'-0" TRIANGULAR PATTERN CONSTRUCTED DURING PRE-STAGE CONSTRUCTION
 - SETTLEMENT PLATFORM LOCATIONS

- NOTES:**
1. IN THE AREAS WHERE WICK DRAINS WILL BE INSTALLED, THE EXISTING GROUND SHALL BE PREPARED ACCORDING TO ART. 205.
 2. FOLLOWING PREPARATION OF THE EXISTING GROUND, A SAND DRAINAGE BLANKET 2 FT THICK SHALL BE PLACED WITHIN THE LIMITS OF THE WICK DRAINS.
 3. THE CONTRACTOR SHALL INSTALL THE WICK DRAINS THROUGH THE SAND DRAINAGE BLANKET USING A METHOD ACCEPTABLE TO THE ENGINEER WHICH DOES NOT DAMAGE THE WICK DRAINS, SEE WICK DRAINS SPECIAL PROVISION.
 4. FOR SETTLEMENT PLATFORM REQUIREMENTS SEE ART. 204.06. FOR SETTLEMENT PLATFORM DETAILS, SEE ROADWAY DETAILS SHEETS AND SETTLEMENT PLATFORMS SPECIAL PROVISION. SETTLEMENT PLATFORMS SHALL BE USED TO VERIFY THERE IS INCHES OR LESS LEFT OF SETTLEMENT AFTER GROUND IMPROVEMENT PRIOR TO BIKE PATH AND ROADWAY CONSTRUCTION.

FILE NAME: G:\CH09\0176\Road\Sheets\108084-WICK DRAIN.dgn



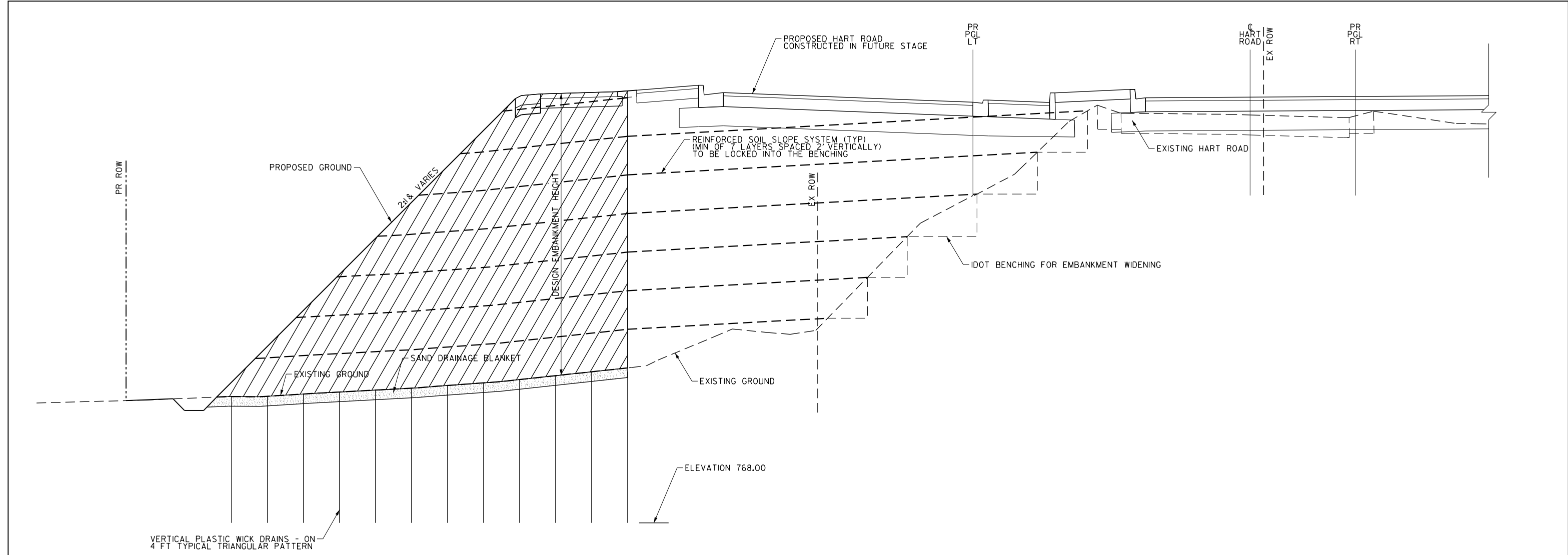
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PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GROUND IMPROVEMENT

SCALE: 1:20 SHEET 1 OF 2 SHEETS STA. 234+00.00 TO STA. 239+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	178
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6ID65	

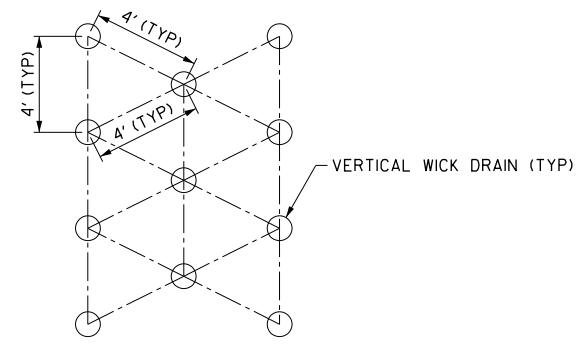


GROUND IMPROVEMENT TYPICAL CROSS SECTION
(LOOKING NORTH)

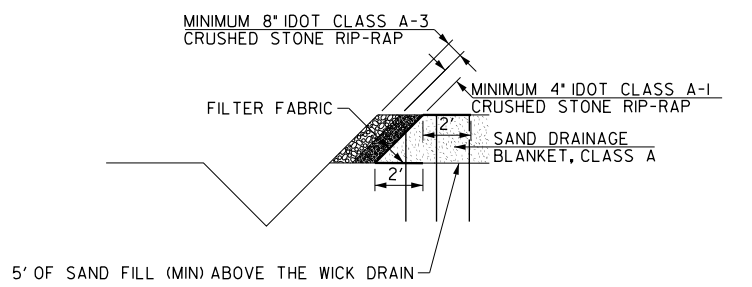
BILL OF MATERIAL

ITEM	UNIT	TOTAL
WICK DRAINS	FEET	9,448
SAND DRAINAGE BLANKET	CU YD	350
FILTER FABRIC	SQ YD	77
REINFORCED SOIL SLOPE SYSTEM	SQ FT	4,068
FURNISHED EXCAVATION	CU YD	15

NOTES:
 ANY WORKING PLATFORM NEEDED TO CONSTRUCT THE SAND DRAINAGE BLANKET OR THE WICK DRAINS WILL NOT BE MEASURED FOR PAYMENT.
 REINFORCED SOIL SLOPE SYSTEM SHOULD HAVE A MINIMUM TENSILE STRENGTH OF 1400 LB/FT AT 5% STRAIN IN THE DIRECTION PERPENDICULAR TO THE CENTERLINE.



WICK DRAIN PATTERN



DRAINAGE BLANKET PROTECTION

FILE NAME: G:\CH09\0176\Road\Sheets\108084-WICK DRAIN.dgn



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

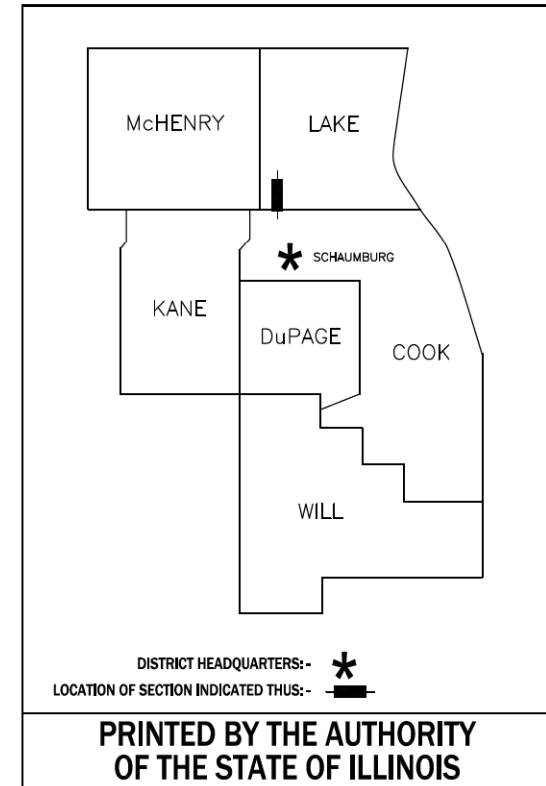
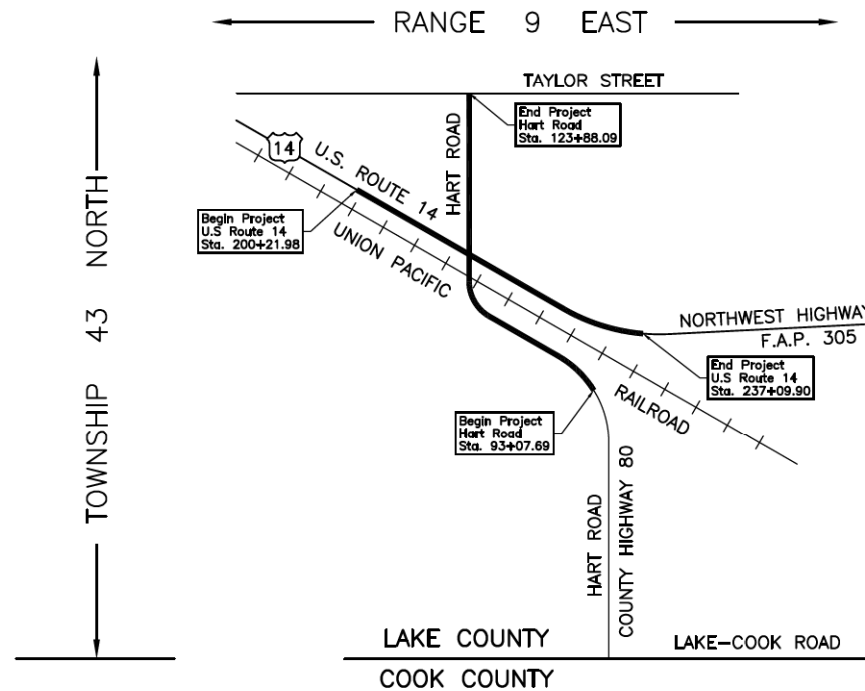
GROUND IMPROVEMENT
DETAILS

SCALE: 1:20 SHEET 2 OF 2 SHEETS STA. 234+00.00 TO STA. 239+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	179
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: F.A.P. 305 (U.S. ROUTE 14)
SECTION: 09-00174-05-CH
COUNTY: LAKE
LIMITS:
JOB NO.: R-91-018-12



JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1KQ0001 1KQ0001P.E.-A 1KQ0001P.E.-B 1KQ0001T.E.-B	Regional Board of School Trustees of Lake County for use and benefit of Community School District 220	2	
1KQ0002 1KQ0002T.E.	800-1000 Hart Road, LLC, an Illinois limited liability company	2A, 3 & 10	
1KQ0003P.E.-A 1KQ0003P.E.-B 1KQ0003T.E.-A 1KQ0003T.E.-B 1KQ0003T.E.-C	Union Pacific Railroad, which acquire title as the Illinois & Wisconsin Railroad Company	3, 4 & 6	
1KQ0004 1KQ0004T.E.-A 1KQ0004T.E.-B	Carol J. McLuckie	4, 5 & 11	
1KQ0005 1KQ0005T.E.	Chicago Title Land Trust Company, as successor to LaSalle Bank National Association, as Trustee under Trust Agreement dated the 16th day of November, 1973 and known as Trust Number 10-28556-09	5 & 11	
1KQ0006 1KQ0006T.E.	The Foundary Center, Inc., an Illinois corporation	7 & 12	
1KQ0007 1KQ0007T.E.-A 1KQ0007T.E.-B	C & R Land, LLC, an Illinois limited liability company	7 & 13	
1KQ0008T.E.	Frances S. Snow	8	
1KQ0009T.E.	Bourne, Inc., as successor by merger to Wendover Investments, Inc.	9 & 14	
1KQ0010	800 Hart Road, LLC, an Illinois limited liability company	2A & 10	

STATE OF ILLINOIS }
COUNTY OF LAKE }SS
I, SHANE E. SCHNEIDER, COUNTY ENGINEER OF LAKE COUNTY, ILLINOIS, DO HEREBY APPROVE THE PLAT HEREON, PART OF COUNTY HIGHWAY 80 IN SAID COUNTY, PREPARED BY JORGENSEN & ASSOCIATES, INC. AT MY DIRECTION.
DATED THIS _____ DAY OF _____ 20__ A.D.

COUNTY ENGINEER

LOCATION MAP
PROJECT LENGTH = 3,080.40 LIN. FT. = 0.583 MILE, HART ROAD
= 3,687.92 LIN. FT. = 0.699 MILE, U.S. ROUTE 14
TOTAL LENGTH = 6,768.32 LIN. FT. = 1.282 MILES

FILE NAME: G:\CH09\0176\Road\Sheet\108084-PLAT OF HIGHWAYS.dgn



USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

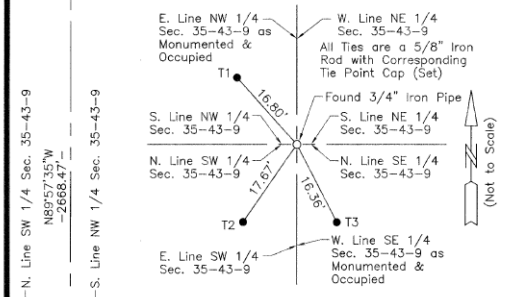
SCALE: 1:20 SHEET 1 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	180
			CONTRACT NO. 6ID65	
ILLINOIS FED. AID PROJECT				

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0001	1.466	0.005	214	N/A	1.461	P.E.-A=0.088 P.E.-B=0.016 T.E.-B=0.067	Drainage Purposes Drainage Purposes Construction Purposes	13-35-104-006

Parcel	Document No.	Date Recorded
1KQ0001	1932633	July 20, 1978
-----	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
-----	1932633	July 20, 1978
-----	2154781	April 1, 1982
-----	2287927	June 5, 1984
-----	2287928	June 5, 1984



M-4
Center of Section 35-43-9
N.2,001,490,500-E.1,033,759,334
Recorded March 20, 2014
Document No. 7085467

Measured C R.O.W. Hart Road Curve Data
 $\Delta = 55^{\circ}27'46''$
 $R = 1432.395'$
 $T = 753.03'$
 $L = 1386.57'$
 $E = 185.88'$

Record C R.O.W. Hart Road Curve Data
 $\Delta = 55^{\circ}27'$
 $R = 1432.395'$
 $T = 752.82'$
 $L = 1386.25'$
 $E = 185.78'$

Existing & Proposed Pavement Hart Road Curve #1
 P.I. = Sta. 94+09.69
 $\Delta = 55^{\circ}21'44''$
 $R = 1432.40'$
 $T = 751.42'$
 $L = 1384.05'$
 $E = 185.13'$
 P.C. = Sta. 89+58.27
 P.T. = Sta. 100+42.32

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH FUTURE GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS 8TH DAY OF June 2018 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYING CORPORATION, NUMBER 184-2771
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	27.91
	T2	28.88
	T3	25.74
2	T1	20.24
	T2	16.84
	T3	15.98
3	T1	31.11
	T2	16.00
	T3	13.18
4	T1	37.00
	T2	23.41
	T3	22.43
5	T1	25.63
	T2	20.65
	T3	35.37
6	T1	15.85
	T2	11.59
	T3	30.44
7	T1	32.06
	T2	28.61
	T3	35.84
8	T1	41.12
	T2	38.87
	T3	45.42

T1, T2 & T3 to Point Nos. 1 & 2 are a "MAG" Nail (Set) in Bituminous Drive & Parking Lot.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
96+65.00	39.61' Rt.	2,001,929.739	1,033,450.626
96+65.00	50.00' Rt.	2,001,936.447	1,033,458.558
96+85.00	39.61' Rt.	2,001,945.338	1,033,437.242
96+85.00	50.00' Rt.	2,001,952.158	1,033,445.082
97+50.00	39.60' Rt.	2,001,994.715	1,033,392.265
97+50.00	50.00' Rt.	2,002,001.892	1,033,399.797
97+75.00	66.08' Rt.	2,002,031.758	1,033,393.229
100+44.82	39.55' Rt.	2,002,190.990	1,033,162.271

Eliminated County Engineer Certificate
 Changed Parcel 1KQ0001E.-A to 1KQ0001P.E.-A,
 Configuration Parcel 1KQ0001E.-B, Added
 Parcel 1KQ0001P.E.-B
 MADE BY

CHICAGO HIGHLANDS
 Recorded March 27, 1901
 as Document No. 81144

CHICAGO HIGHLANDS
 Recorded March 27, 1901
 as Document No. 81144

CHICAGO HIGHLANDS
 Recorded March 27, 1901
 as Document No. 81144

REVISION DATE

July 9, 2018
 October 7, 2016



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 2 OF 16 SHEETS STA. TO STA.

FAU RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	181
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0002	6.096	0.436	N/A	5.660	0.192	Construction Purposes	13-35-104-017
1KQ002T.E.							13-35-104-018
1KQ0010	5.002	0.018	N/A	4.984	N/A	N/A	13-35-104-019
							13-35-104-020

Parcel	Document No.	Date Recorded
1KQ0002	1932633	July 20, 1978
1KQ0002	2287927	June 5, 1984
1KQ0002	2287928	June 5, 1984
1KQ0010	1932633	July 20, 1978
1KQ0010	2287928	June 5, 1984
----	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
----	1932633	July 20, 1978
----	2154781	April 1, 1982

STATION	OFFSET	NORTH	EAST
93+82.84	40.32' Lt.	2,001,652.708	1,033,544.953
93+82.84	50.32' Lt.	2,001,647.868	1,033,536.203
96+12.00	50.38' Lt.	2,001,831.984	1,033,414.202
96+12.00	60.38' Lt.	2,001,825.813	1,033,406.332
96+72.00	60.39' Lt.	2,001,870.276	1,033,369.925
96+72.00	71.89' Lt.	2,001,862.807	1,033,361.180

Measured Q R.O.W. Hart Road Curve Data	Record Q R.O.W. Hart Road Curve Data
$\Delta = 55^{\circ}27'46''$	$\Delta = 55^{\circ}27'$
$R = 1432.395'$	$R = 1432.395'$
$T = 753.03'$	$T = 752.82'$
$L = 1386.57'$	$L = 1386.25'$
$E = 185.88'$	$E = 185.78'$

See Sheet 3 for Continuation of Parcel 1KQ0002 & 1KQ0002T.E.

SEE SHEET 3

LEGEND

- SECTION CORNER
 - QUARTER SECTION CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APL
 - APPARENT PROPERTY LINE
 - EXISTING CENTER LINE
 - PROPOSED CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - EXISTING EASEMENT
 - PROPOSED EASEMENT
 - EXISTING ACCESS CONTROL LINE
 - PROPOSED ACCESS CONTROL LINE
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DIMENSION
 - EXISTING BUILDING
- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.
- SCALE: 1"=30'
- O IRON PIPE OR ROD FOUND
 - + CUT CROSS FOUND OR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

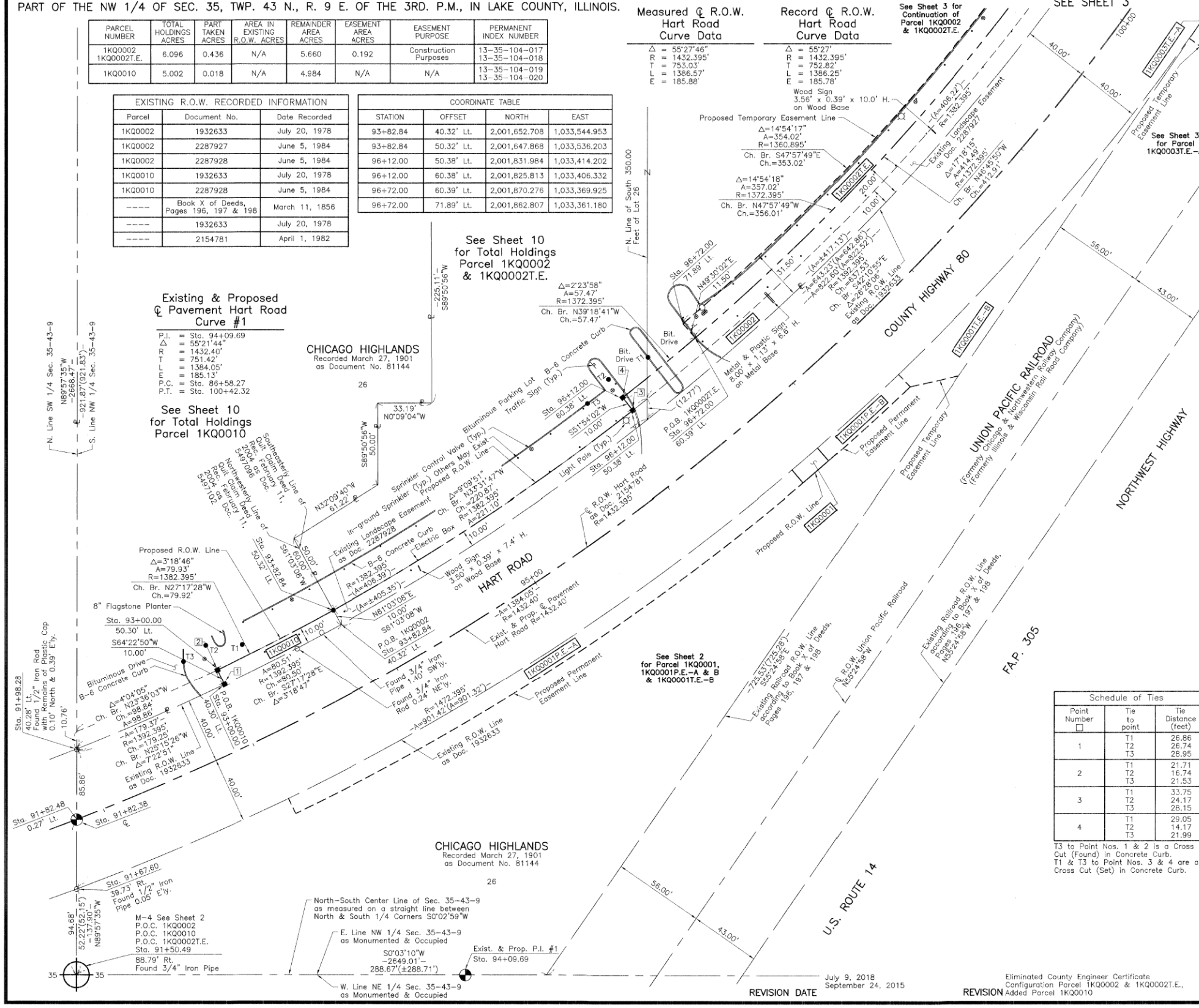
Existing & Proposed Pavement Hart Road Curve #1

P.I. = Sta. 94+09.69
 $\Delta = 55^{\circ}21'44''$
 $R = 1432.40'$
 $T = 751.42'$
 $L = 1384.05'$
 $E = 185.13'$
P.C. = Sta. 86+58.27
P.T. = Sta. 100+42.32

See Sheet 10 for Total Holdings Parcel 1KQ0010

N. Line SW 1/4 Sec. 35-43-9
NB89°57'35"W
-2688.47'-1
-921.87'(921.83')
S. Line NW 1/4 Sec. 35-43-9

CHICAGO HIGHLANDS
Recorded March 27, 1901
as Document No. 81144



See Sheet 10 for Total Holdings Parcel 1KQ0002 & 1KQ0002T.E.

$\Delta = 2^{\circ}23'58''$
 $A = 57.47'$
 $R = 1372.395'$
Ch. Br. N39°18'41"W
Ch. = 57.47'

See Sheet 2 for Parcel 1KQ0001, 1KQ0001P.E.-A & B & 1KQ0001T.E.-B

$\Delta = 72^{\circ}53'(72.92^{\circ})$
 $R = 555.24(555.24)$
Ch. Br. N55°24'30"E
Ch. = 197 & 198

Point Number	Tie to point	Tie Distance (feet)
1	T1	26.86
	T2	26.74
	T3	26.95
2	T1	21.71
	T2	16.74
	T3	21.53
3	T1	33.75
	T2	24.17
	T3	26.15
4	T1	29.05
	T2	14.17
	T3	21.99

T3 to Point Nos. 1 & 2 is a Cross Cut (Found) in Concrete Curb.
T1 & T3 to Point Nos. 3 & 4 are a Cross Cut (Set) in Concrete Curb.



Christian H. Jorgensen, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Note: Surface Coordinates are Shown
Project Average Combined Scale Factor 0.99994481775

STATION	OFFSET	NORTH	EAST
91+50.49	88.79' Rt.	2,001,490.500	1,033,759.334
91+67.60	39.73' Rt.	2,001,490.537	1,033,707.117
91+82.38	0	2,001,490.567	1,033,664.656
91+82.48	0.27' Lt.	2,001,490.567	1,033,664.364
91+98.28	40.28' Lt.	2,001,490.597	1,033,621.434
93+00.00	40.30' Lt.	2,001,581.168	1,033,581.864
93+00.00	50.30' Lt.	2,001,576.844	1,033,572.847

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 305 (U.S. ROUTE 14)
LIMITS: COUNTY: LAKE COUNTY JOB NO.: R-91-018-12
SECTION: 09-00174-05-CH STATION 91+00 TO STATION 100+00
SCALE: 1"=30' SHEET 2A OF 15

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: July 9, 2018, September 24, 2015

Eliminated County Engineer Certificate
Configuration Parcel 1KQ0002 & 1KQ0002T.E.,
REVISION Added Parcel 1KQ0010

MADE BY



USER NAME	DESIGNED	REVISION
amkidd	JLV	-
	AMK	-
	JWC	-
	JWC	-
	JWC	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

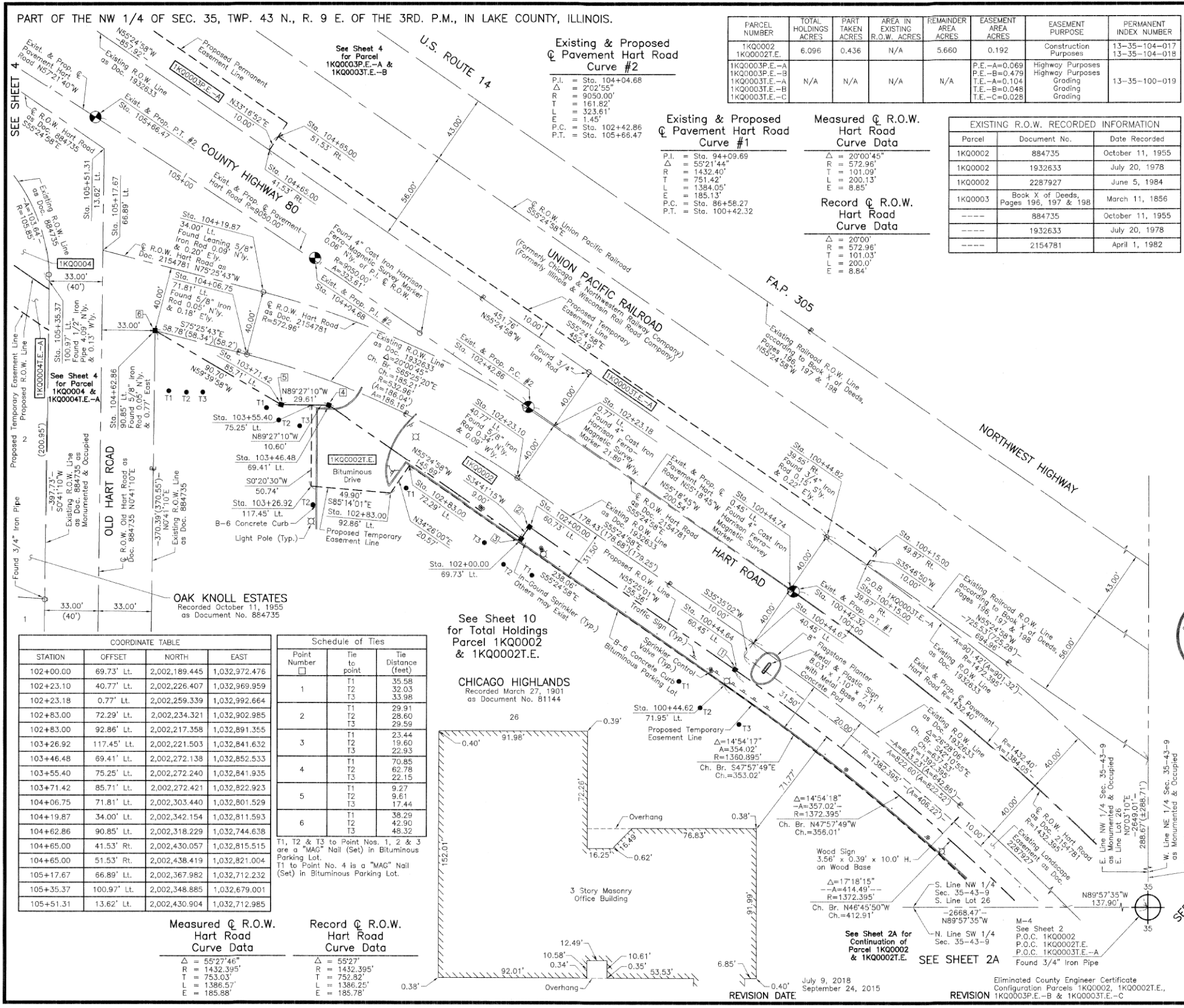
PLAT OF HIGHWAYS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	182

SCALE: 1:20 SHEET 3 OF 16 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

FILE NAME: G:\CH09\0176\Road\Sheet15\08084-PLAT OF HIGHWAYS.dgn



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0002 1KQ0002T.E.	6.096	0.436	N/A	5.660	0.192	Construction Purposes	13-35-104-017 13-35-104-018
1KQ0003P.E.-A 1KQ0003P.E.-B 1KQ0003T.E.-A 1KQ0003T.E.-B 1KQ0003T.E.-C	N/A	N/A	N/A	N/A	P.E.-A=0.069 P.E.-B=0.479 T.E.-A=0.104 T.E.-B=0.048 T.E.-C=0.028	Highway Purposes Highway Purposes Grading Grading	13-35-100-019

Existing & Proposed Pavement Hart Road Curve #2

P.I. = Sta. 104+04.68
 Δ = 2'02.55"
 R = 9050.00'
 T = 161.82'
 L = 323.61'
 E = 1.45'
 P.C. = Sta. 102+42.86
 P.T. = Sta. 105+66.47

Existing & Proposed Pavement Hart Road Curve #1

P.I. = Sta. 94+09.69
 Δ = 55'21.44"
 R = 1432.40'
 T = 751.42'
 L = 1384.05'
 E = 185.13'
 P.C. = Sta. 86+58.27
 P.T. = Sta. 100+42.32

Measured C.R.O.W. Hart Road Curve Data

Δ = 20'00.45"
 R = 572.96'
 T = 101.09'
 L = 200.13'
 E = 8.85'

Record C.R.O.W. Hart Road Curve Data

Δ = 20'00"
 R = 572.96'
 T = 101.03'
 L = 200.0'
 E = 8.84'

Parcel	Document No.	Date Recorded
1KQ0002	884735	October 11, 1955
1KQ0002	1932633	July 20, 1978
1KQ0002	2287927	June 5, 1984
1KQ0003	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
-----	884735	October 11, 1955
-----	1932633	July 20, 1978
-----	2154781	April 1, 1982

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=30'

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
102+00.00	69.73' Lt.	2,002,189.445	1,032,972.476
102+23.10	40.77' Lt.	2,002,226.407	1,032,969.959
102+23.18	0.77' Lt.	2,002,259.339	1,032,992.664
102+83.00	72.29' Lt.	2,002,234.321	1,032,902.985
102+83.00	92.86' Lt.	2,002,217.358	1,032,891.355
103+26.92	117.45' Lt.	2,002,221.503	1,032,841.632
103+46.48	69.41' Lt.	2,002,272.138	1,032,852.533
103+55.40	75.25' Lt.	2,002,272.240	1,032,841.935
103+71.42	85.71' Lt.	2,002,272.421	1,032,822.923
104+06.75	71.81' Lt.	2,002,303.440	1,032,801.529
104+19.87	34.00' Lt.	2,002,342.154	1,032,811.593
104+62.86	90.85' Lt.	2,002,318.229	1,032,744.638
104+65.00	41.53' Rt.	2,002,430.057	1,032,815.515
104+65.00	51.53' Rt.	2,002,438.419	1,032,821.004
105+17.67	66.89' Lt.	2,002,367.982	1,032,712.232
105+35.37	100.97' Lt.	2,002,348.885	1,032,679.001
105+51.31	13.62' Lt.	2,002,430.904	1,032,712.985

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	35.58
	T2	32.03
	T3	33.98
2	T1	29.91
	T2	28.60
	T3	29.59
3	T1	23.44
	T2	19.60
	T3	22.93
4	T1	70.85
	T2	62.78
	T3	22.15
5	T1	9.27
	T2	9.61
	T3	17.44
6	T1	38.29
	T2	42.90
	T3	48.32

Measured C.R.O.W. Hart Road Curve Data

Δ = 55'27.46"
 R = 1432.395'
 T = 753.03'
 L = 1386.57'
 E = 185.88'

Record C.R.O.W. Hart Road Curve Data

Δ = 55'27"
 R = 1432.395'
 T = 752.82'
 L = 1386.25'
 E = 185.78'

See Sheet 10 for Total Holdings Parcel 1KQ0002 & 1KQ0002T.E.

CHICAGO HIGHLANDS
 Recorded March 27, 1901
 as Document No. 81144



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
100+15.00	39.87' Rt.	2,002,173.635	1,033,187.444
100+15.00	49.87' Rt.	2,002,181.749	1,033,193.292
100+44.62	71.95' Lt.	2,002,099.192	1,033,098.982
100+44.64	60.45' Lt.	2,002,108.660	1,033,105.510
100+44.67	40.45' Lt.	2,002,125.126	1,033,116.862
100+44.74	0.45' Lt.	2,002,158.058	1,033,139.567
100+44.82	39.55' Rt.	2,002,190.990	1,033,162.271
102+00.00	60.73' Lt.	2,002,196.845	1,032,977.598

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
 SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
 STATION 98+00 TO STATION 106+00
 SCALE: 1"=30' SHEET 3 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



USER NAME	DESIGNED	REVISION
amkidd	JLV	-
	AMK	-
	JWC	-
	-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

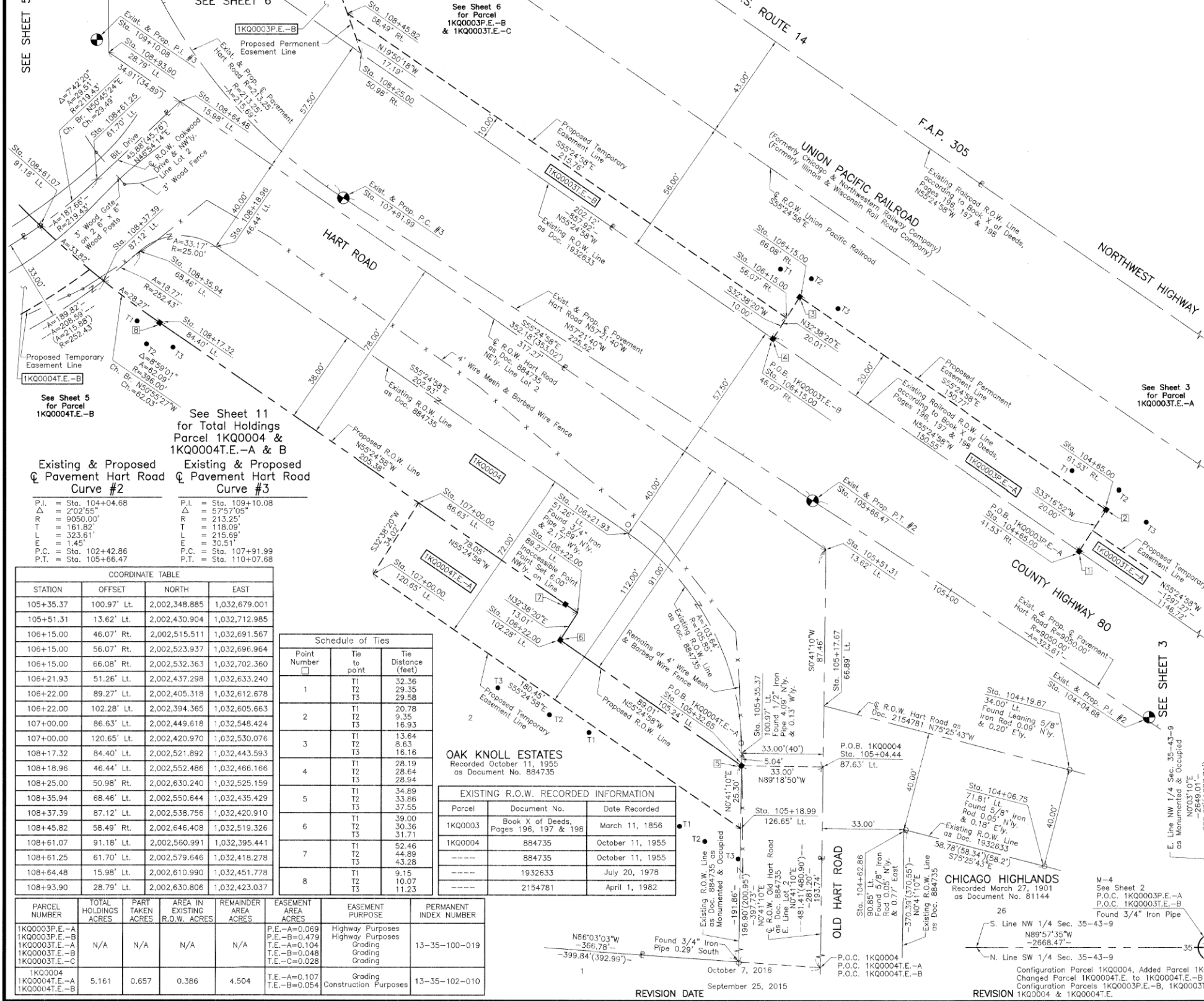
SCALE	SHEET	OF	TOTAL SHEETS
1:20	4	OF	16

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	183

CONTRACT NO. 6ID65
 ILLINOIS FED. AID PROJECT

FILE NAME: G:\CH09\0176\Road\Sheet\15\08084-PLAT OF HIGHWAYS.dgn

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM AND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF March 2016 A.D.

CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
LAKE VILLA, ILLINOIS

CHRISTIAN H. JORGENSEN
PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown
Project Average Combined Scale Factor 0.99994481775

Existing & Proposed Pavement Hart Road Curve #2

Existing & Proposed Pavement Hart Road Curve #3

P.I. = Sta. 104+04.68	P.I. = Sta. 109+10.08
Δ = 202°55'00"	Δ = 57°57'05"
R = 9050.00'	R = 213.25'
T = 161.82'	T = 118.09'
L = 323.61'	L = 215.69'
E = 1.45'	E = 30.51'
P.C. = Sta. 102+42.86	P.C. = Sta. 107+91.99
P.T. = Sta. 105+66.47	P.T. = Sta. 110+07.68

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
105+35.37	100.97' Lt.	2,002,348.885	1,032,679.001
105+51.31	13.62' Lt.	2,002,430.904	1,032,712.985
106+15.00	46.07' Rt.	2,002,515.511	1,032,691.567
106+15.00	56.07' Rt.	2,002,523.937	1,032,696.964
106+15.00	66.08' Rt.	2,002,532.363	1,032,702.360
106+21.93	51.26' Lt.	2,002,437.298	1,032,633.240
106+22.00	89.27' Lt.	2,002,405.318	1,032,612.678
106+22.00	102.28' Lt.	2,002,394.365	1,032,605.663
107+00.00	86.63' Lt.	2,002,449.618	1,032,548.424
107+00.00	120.65' Lt.	2,002,420.970	1,032,530.076
108+17.32	84.40' Lt.	2,002,521.892	1,032,443.593
108+18.96	46.44' Lt.	2,002,552.486	1,032,466.166
108+25.00	50.98' Rt.	2,002,630.240	1,032,525.159
108+35.94	68.46' Lt.	2,002,550.644	1,032,435.429
108+37.39	87.12' Lt.	2,002,538.756	1,032,420.910
108+45.82	58.49' Rt.	2,002,646.408	1,032,519.326
108+61.07	91.18' Lt.	2,002,560.991	1,032,395.441
108+61.25	61.70' Lt.	2,002,579.646	1,032,418.278
108+64.48	15.98' Lt.	2,002,610.990	1,032,451.778
108+93.90	28.79' Lt.	2,002,630.806	1,032,423.037

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	32.36
	T2	29.35
	T3	29.58
2	T1	20.78
	T2	9.35
	T3	16.93
3	T1	13.64
	T2	8.63
	T3	16.16
4	T1	28.19
	T2	28.64
	T3	28.94
5	T1	34.89
	T2	33.86
	T3	37.55
6	T1	39.00
	T2	30.36
	T3	31.71
7	T1	52.46
	T2	44.89
	T3	43.28
8	T1	9.15
	T2	10.07
	T3	11.23

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1KQ0003	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
1KQ0004	884735	October 11, 1955
-----	884735	October 11, 1955
-----	1932633	July 20, 1978
-----	2154781	April 1, 1982

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0003P.E.-A					P.E.-A=0.069	Highway Purposes	13-35-100-019
1KQ0003P.E.-B					P.E.-B=0.479	Highway Purposes	
1KQ0003T.E.-A					T.E.-A=0.104	Grading	
1KQ0003T.E.-B					T.E.-B=0.048	Grading	
1KQ0003T.E.-C					T.E.-C=0.028	Grading	
1KQ0004	5.161	0.657	0.386	4.504	T.E.-A=0.107	Grading	13-35-102-010
1KQ0004T.E.-A					T.E.-B=0.054	Construction Purposes	
1KQ0004T.E.-B							

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 305 (U.S. ROUTE 14)

LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE
STATION 104+00 TO STATION 109+00
SCALE: 1"=20' SHEET 4 OF 15

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



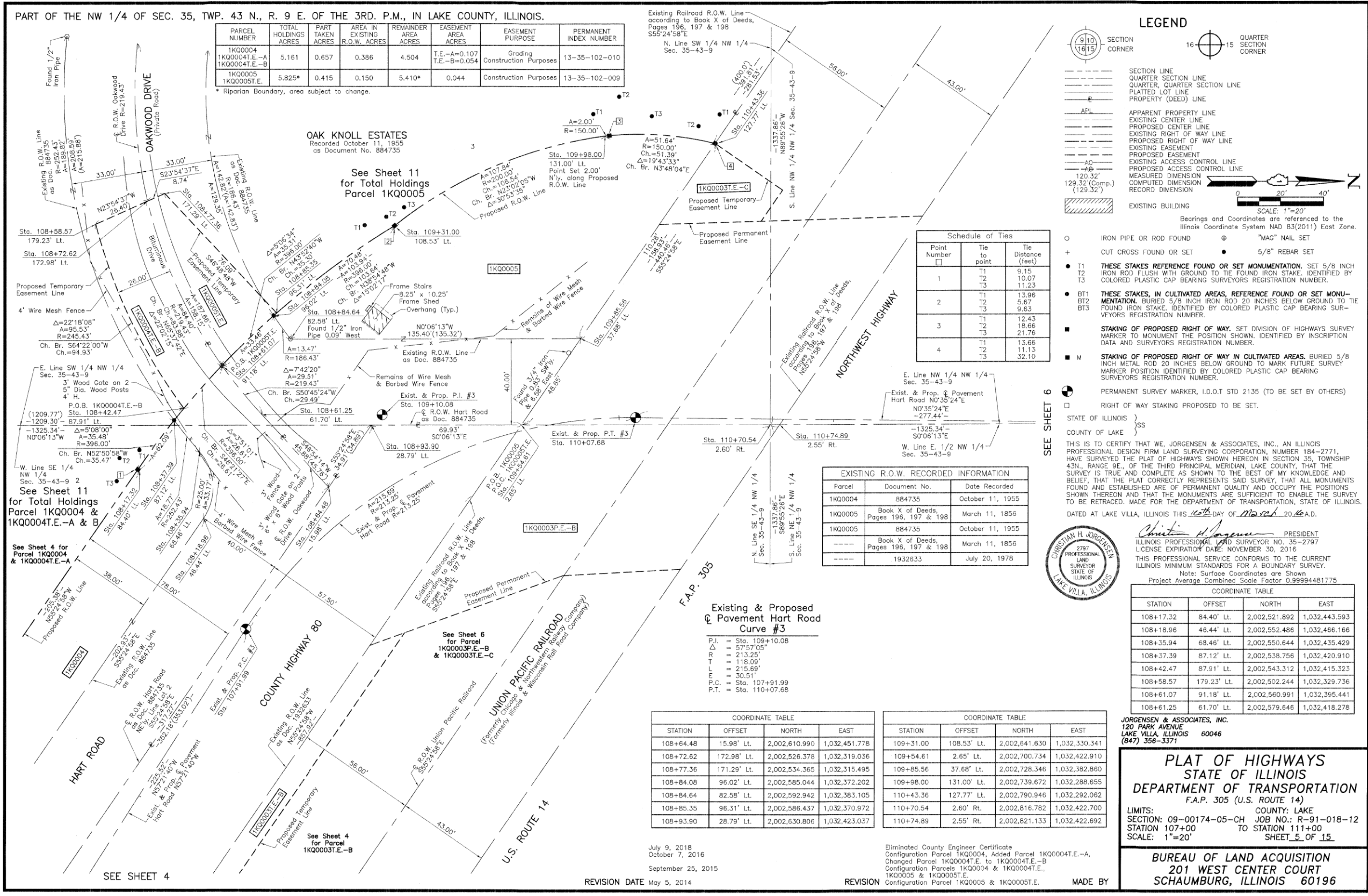
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE = 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
SCALE: 1:20
SHEET 5 OF 16 SHEETS
STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	184

CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0004	5.161	0.657	0.386	4.504	T.E.-A=0.107 T.E.-B=0.054	Grading Construction Purposes	13-35-102-010
1KQ0005	5.825*	0.415	0.150	5.410*	0.044	Construction Purposes	13-35-102-009

* Riparian Boundary, area subject to change.

LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER SECTION LINE
- - - PLATTED LOT LINE
- - - PROPERTY (DEED) LINE
- - - APPARENT PROPERTY LINE
- - - EXISTING CENTER LINE
- - - PROPOSED CENTER LINE
- - - PROPOSED RIGHT OF WAY LINE
- - - EXISTING EASEMENT
- - - PROPOSED EASEMENT
- - - EXISTING ACCESS CONTROL LINE
- - - PROPOSED ACCESS CONTROL LINE
- - - MEASURED DIMENSION
- - - COMPUTED DIMENSION
- - - RECORD DIMENSION
- ▨ EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● T2
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT2
 ● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N, RANGE 9E, OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF March, 2016 A.D.

Christy H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	9.15
	T2	10.07
	T3	11.23
2	T1	5.67
	T2	9.63
	T3	9.63
3	T1	12.43
	T2	18.66
	T3	21.76
4	T1	13.66
	T2	11.13
	T3	32.10

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1KQ0004	884735	October 11, 1955
1KQ0005	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
1KQ0005	884735	October 11, 1955
---	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
---	1932633	July 20, 1978

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
108+17.32	84.40' Lt.	2,002,521.892	1,032,443.593
108+18.96	48.44' Lt.	2,002,552.486	1,032,466.166
108+35.94	68.46' Lt.	2,002,550.644	1,032,435.429
108+37.39	87.12' Lt.	2,002,538.756	1,032,420.910
108+42.47	87.91' Lt.	2,002,543.312	1,032,415.323
108+58.57	179.23' Lt.	2,002,502.244	1,032,329.736
108+61.07	91.18' Lt.	2,002,560.991	1,032,395.441
108+61.25	61.70' Lt.	2,002,579.646	1,032,418.278

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
108+64.48	15.98' Lt.	2,002,610.990	1,032,451.778
108+72.62	172.98' Lt.	2,002,526.378	1,032,319.036
108+77.36	171.29' Lt.	2,002,534.365	1,032,315.495
108+84.08	96.02' Lt.	2,002,585.044	1,032,372.202
108+84.64	82.58' Lt.	2,002,592.942	1,032,383.105
108+85.35	96.31' Lt.	2,002,586.437	1,032,370.972
108+93.90	28.79' Lt.	2,002,630.806	1,032,423.037

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
109+31.00	108.53' Lt.	2,002,641.830	1,032,330.341
109+54.61	2.65' Lt.	2,002,700.734	1,032,422.910
109+85.56	37.68' Lt.	2,002,728.346	1,032,382.860
109+98.00	131.00' Lt.	2,002,739.672	1,032,288.855
110+43.36	172.77' Lt.	2,002,790.946	1,032,292.062
110+70.54	2.60' Rt.	2,002,816.782	1,032,422.700
110+74.89	2.55' Rt.	2,002,821.133	1,032,422.692

July 9, 2018
 October 7, 2016
 September 25, 2015

Eliminated County Engineer Certificate
 Configuration Parcel 1KQ0004, Added Parcel 1KQ0004T.E.-A,
 Changed Parcel 1KQ0004T.E. to 1KQ0004T.E.-B
 Configuration Parcels 1KQ0004 & 1KQ0004T.E.-A,
 1KQ0005 & 1KQ0005T.E.
 Configuration Parcel 1KQ0005 & 1KQ0005T.E. MADE BY

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
 SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
 STATION 107+00 TO STATION 111+00
 SCALE: 1"=20' SHEET 5 OF 15

**BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196**



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	185

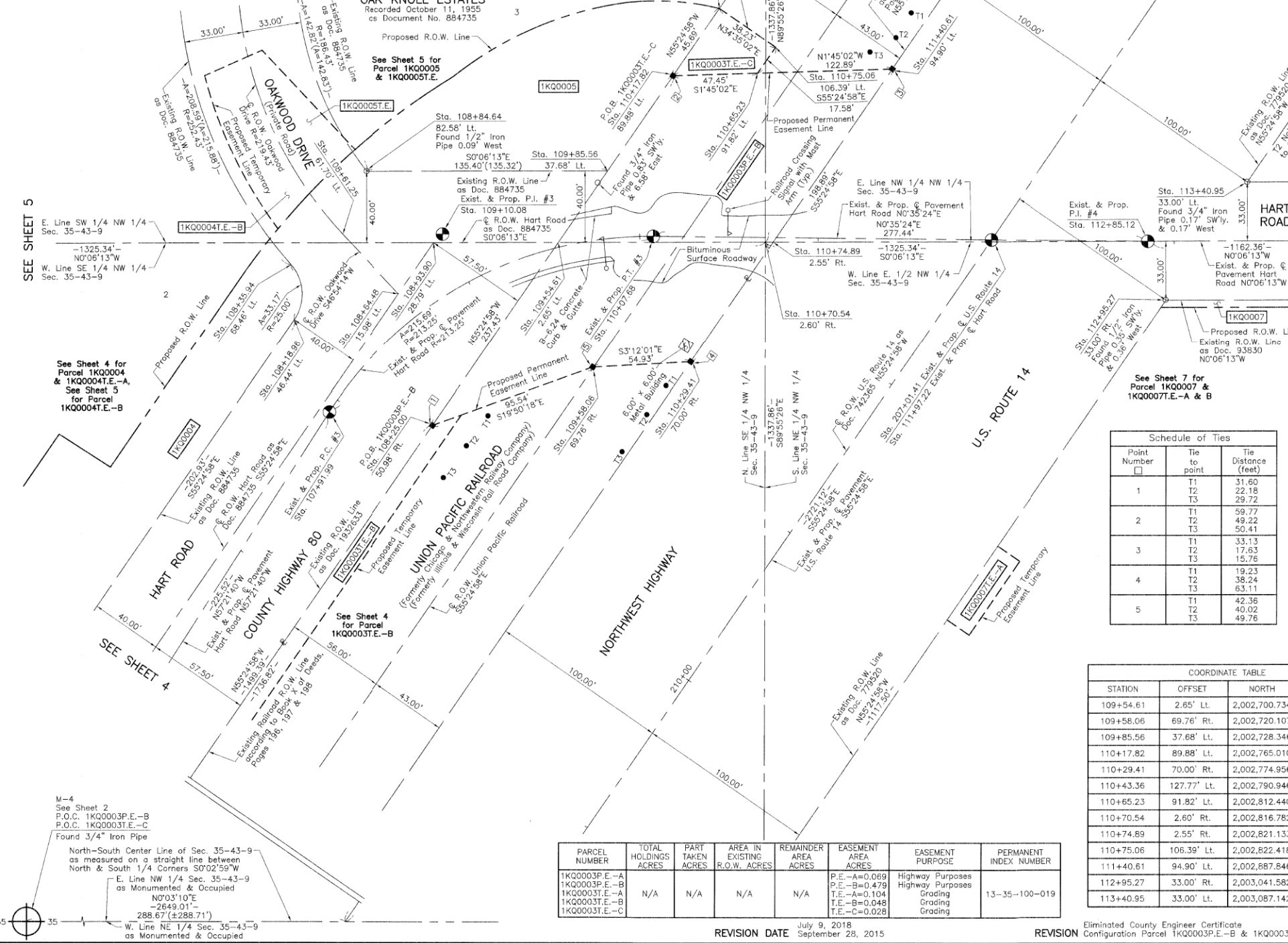
CONTRACT NO. 6ID65
 ILLINOIS FED. AID PROJECT

SCALE: 1:20 SHEET 6 OF 16 SHEETS STA. TO STA.

FILE NAME: G:\CH09\0176\Road\Sheet\15\08084-PLAT OF HIGHWAYS.dgn

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1KQ0003	Book X of Deeds, Pages 195, 197 & 198	March 11, 1856
----	93830	March 4, 1904
----	742365	October 30, 1951
----	779520	January 13, 1953
----	884735	October 11, 1955
----	1932633	July 20, 1978



LEGEND

SECTION CORNER 15
QUARTER SECTION CORNER

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 28th DAY OF June 2016 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown
Project Average Combined Scale Factor 0.99994481775

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+18.96	46.44' Lt.	2,002,552.486	1,032,466.166
108+25.00	50.98' Rt.	2,002,630.240	1,032,525.159
108+35.94	68.46' Lt.	2,002,550.844	1,032,435.429
108+61.25	61.70' Lt.	2,002,579.646	1,032,418.278
108+64.48	15.98' Lt.	2,002,610.990	1,032,451.776
108+84.64	82.58' Lt.	2,002,592.942	1,032,383.105
108+93.90	28.79' Lt.	2,002,630.806	1,032,423.037

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 305 (U.S. ROUTE 14)

LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE
JOB NO.: R-91-018-12
STATION 107+00 TO STATION 114+00
STATION 205+00 TO STATION 211+00
SCALE: 1"=30' SHEET 6 OF 15

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	31.60
	T2	22.18
	T3	29.72
2	T1	59.77
	T2	49.22
	T3	50.41
3	T1	33.13
	T2	17.63
	T3	15.76
4	T1	19.23
	T2	38.24
	T3	63.11
5	T1	42.36
	T2	40.02
	T3	49.76

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
109+54.61	2.65' Lt.	2,002,700.734	1,032,422.910
109+58.06	69.76' Rt.	2,002,720.107	1,032,492.737
109+85.56	37.68' Lt.	2,002,728.346	1,032,382.860
110+17.82	89.88' Lt.	2,002,765.010	1,032,329.682
110+29.41	70.00' Rt.	2,002,774.956	1,032,489.670
110+43.36	127.77' Lt.	2,002,790.946	1,032,292.062
110+65.23	91.82' Lt.	2,002,812.440	1,032,328.232
110+70.54	2.60' Rt.	2,002,816.782	1,032,422.700
110+74.89	2.55' Rt.	2,002,821.133	1,032,422.692
110+75.06	106.39' Lt.	2,002,822.418	1,032,313.760
111+40.61	94.90' Lt.	2,002,887.846	1,032,325.928
112+95.27	33.00' Rt.	2,003,041.582	1,032,455.293
113+40.95	33.00' Lt.	2,003,087.142	1,032,389.211

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0003P.E.-A	N/A	N/A	N/A	N/A	P.E.-A=0.069	Highway Purposes	13-35-100-019
1KQ0003P.E.-B	N/A	N/A	N/A	N/A	P.E.-B=0.479	Highway Purposes	
1KQ0003T.E.-A	N/A	N/A	N/A	N/A	T.E.-A=0.104	Grading	
1KQ0003T.E.-B	N/A	N/A	N/A	N/A	T.E.-B=0.048	Grading	
1KQ0003T.E.-C	N/A	N/A	N/A	N/A	T.E.-C=0.028	Grading	

REVISION DATE July 9, 2018
September 28, 2015

REVISION Eliminated County Engineer Certificate
Configuration Parcel 1KQ0003P.E.-B & 1KQ0003T.E.-C MADE BY



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 7 OF 16 SHEETS STA. TO STA.

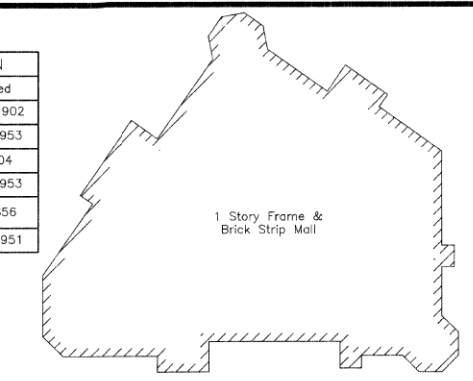
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	186
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1KQ0006	84805	February 10, 1902
1KQ0006	779520	January 13, 1953
1KQ0007	93830	March 4, 1904
1KQ0007	779520	January 13, 1953
--- Book X of Deeds, Pages 196, 197 & 198 March 11, 1856		
--- 742365 October 30, 1951		

HOGGINS SUBDIVISION
 Recorded September 8, 1988
 as Document No. 2719392
 Corrected by Letter of Correction
 Recorded June 9, 1989
 as Document No. 2800387

OUTLOT 1



See Sheet 12
 for Total Holdings Parcel
 1KQ0006 & 1KQ0006T.E.

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER

--- SECTION LINE
 --- QUARTER SECTION LINE
 --- QUARTER, QUARTER SECTION LINE
 --- PLATTED LOT LINE
 --- PROPERTY (DEED) LINE

--- APPARENT PROPERTY LINE
 --- EXISTING CENTER LINE
 --- PROPOSED CENTER LINE
 --- EXISTING RIGHT OF WAY LINE
 --- PROPOSED RIGHT OF WAY LINE
 --- EXISTING EASEMENT
 --- PROPOSED EASEMENT
 --- EXISTING ACCESS CONTROL LINE
 --- PROPOSED ACCESS CONTROL LINE
 --- MEASURED DIMENSION
 --- COMPUTED DIMENSION
 --- RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND
 ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET
 ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● T2
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT2
 ● BT3

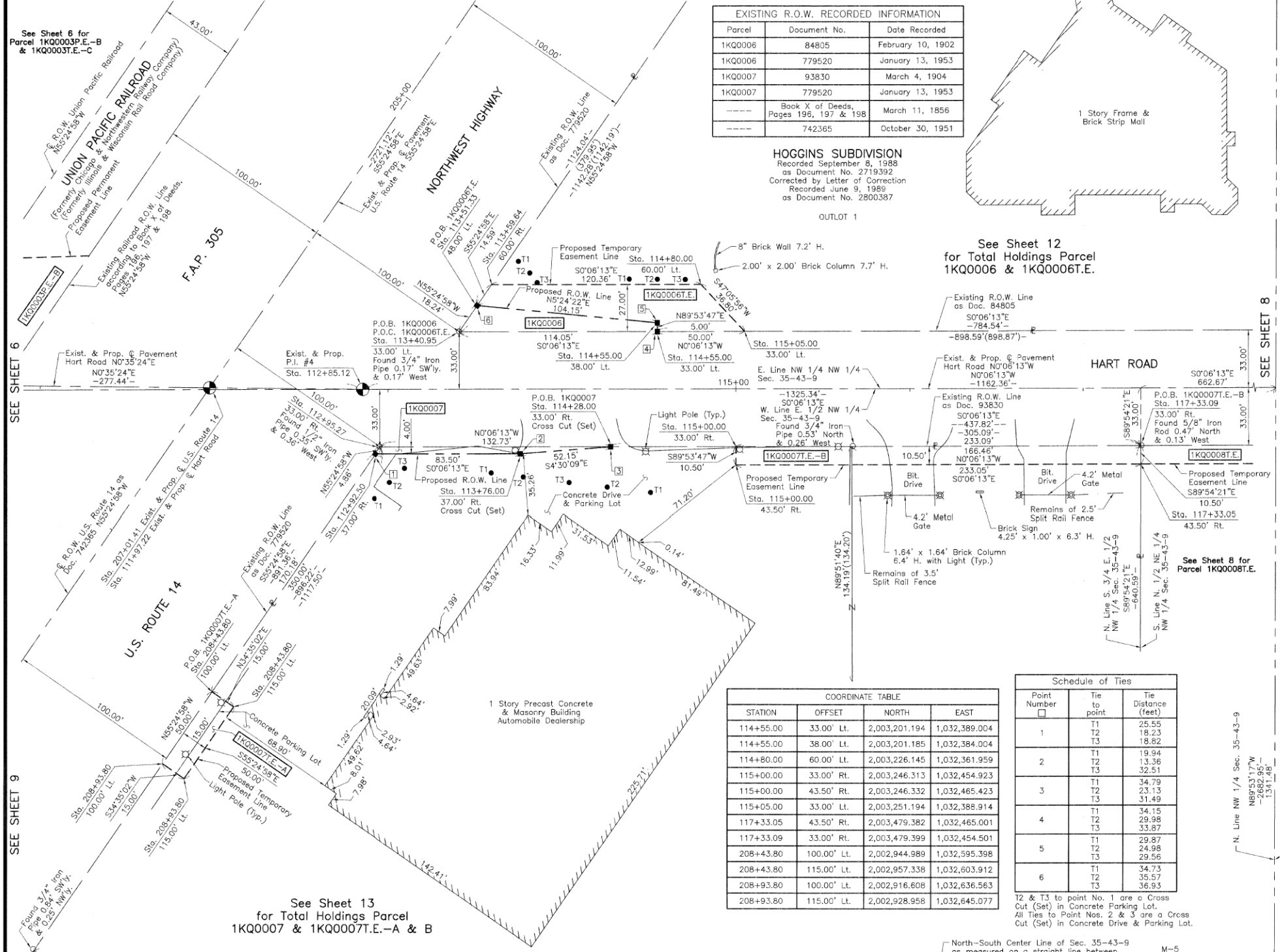
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS



SEE SHEET 8

SEE SHEET 9

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
114+55.00	33.00' Lt.	2,003,201.194	1,032,389.004	
114+55.00	38.00' Lt.	2,003,201.185	1,032,384.004	
114+80.00	60.00' Lt.	2,003,226.145	1,032,361.959	
115+00.00	33.00' Rt.	2,003,246.313	1,032,454.923	
115+00.00	43.50' Rt.	2,003,246.332	1,032,465.423	
115+05.00	33.00' Lt.	2,003,251.194	1,032,388.914	
117+33.05	43.50' Rt.	2,003,479.382	1,032,465.001	
117+33.09	33.00' Rt.	2,003,479.399	1,032,454.501	
208+43.80	100.00' Lt.	2,002,944.989	1,032,595.398	
208+43.80	115.00' Lt.	2,002,957.338	1,032,603.912	
208+93.80	100.00' Lt.	2,002,916.608	1,032,636.563	
208+93.80	115.00' Lt.	2,002,928.958	1,032,645.077	

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	25.55
	T2	18.23
	T3	18.82
2	T1	19.94
	T2	13.36
	T3	32.51
3	T1	34.79
	T2	23.13
	T3	31.49
4	T1	34.15
	T2	29.98
	T3	33.87
5	T1	29.87
	T2	24.98
	T3	29.56
6	T1	34.73
	T2	35.57
	T3	36.93

T2 & T3 to point No. 1 are a Cross Cut (Set) in Concrete Parking Lot.
 All Ties to Point Nos. 2 & 3 are a Cross Cut (Set) in Concrete Drive & Parking Lot.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0006 1KQ0006T.E.	11.342	0.026	N/A	N/A	11.316	0.063	Grading	13-35-105-012 13-35-105-015 13-35-105-016 13-35-105-017
1KQ0007 1KQ0007T.E.-A 1KQ0007T.E.-B	10.596	0.010	433	N/A	10.586	T.E.-A=0.017 T.E.-B=0.056	Construction Purposes Construction Purposes	13-35-100-014 13-35-100-016 13-35-100-017

See Sheet 13
 for Total Holdings Parcel
 1KQ0007 & 1KQ0007T.E.-A & B



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
112+92.50	37.00' Rt.	2,003,038.821	1,032,459.298	
112+95.27	33.00' Rt.	2,003,041.582	1,032,455.293	
113+40.95	33.00' Lt.	2,003,087.142	1,032,389.211	
113+51.33	48.00' Lt.	2,003,097.497	1,032,374.192	
113+59.64	60.00' Lt.	2,003,105.781	1,032,362.177	
113+76.00	37.00' Rt.	2,003,122.321	1,032,459.147	
114+28.00	33.00' Rt.	2,003,174.313	1,032,455.053	

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE
 STATION 111+00 TO STATION 118+00
 STATION 205+00 TO STATION 209+00
 SCALE: 1"=30' SHEET 7 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

REVISION DATE July 9, 2018
 June 1, 2016

REVISION Eliminated County Engineer Certificate
 Moved Parcel 1KQ0007T.E.-A

MADE BY



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

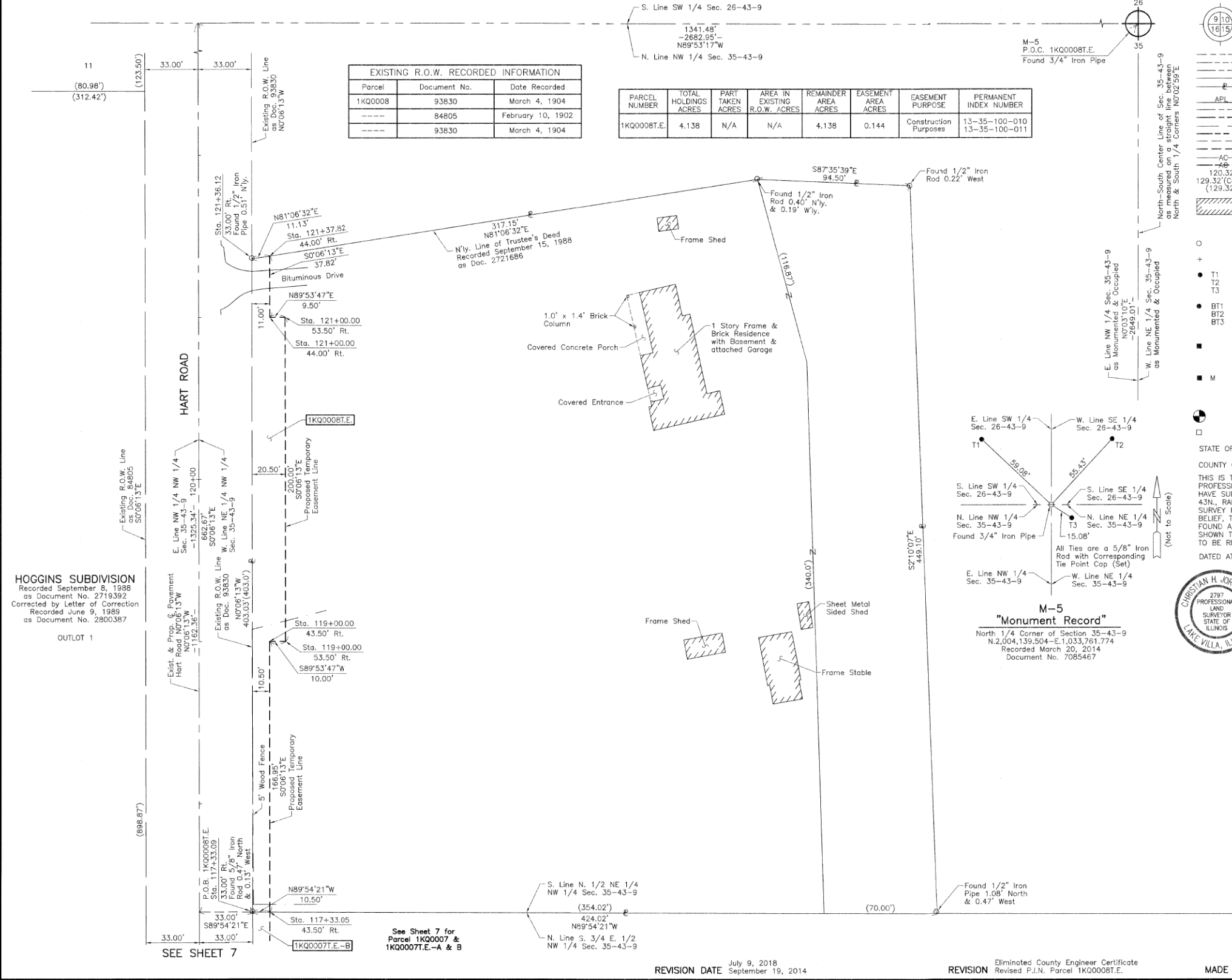
PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 8 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	187

CONTRACT NO. 6ID65
 ILLINOIS FED. AID PROJECT

PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



Parcel	Document No.	Date Recorded
1KQ0008	93830	March 4, 1904
----	84805	February 10, 1902
----	93830	March 4, 1904

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0008T.E.	4.138	N/A	N/A	4.138	0.144	Construction Purposes	13-35-100-010 13-35-100-011

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF November 2013 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Note: Surface Coordinates are Shown
Project Average Combined Scale Factor 0.99994481775

STATION	OFFSET	NORTH	EAST
117+33.05	43.50' Rt.	2,003,479.382	1,032,465.001
117+33.09	33.00' Rt.	2,003,479.399	1,032,454.501
119+00.00	43.50' Rt.	2,003,646.332	1,032,464.699
119+00.00	53.50' Rt.	2,003,646.350	1,032,474.699
121+00.00	44.00' Rt.	2,003,846.332	1,032,464.836
121+00.00	53.50' Rt.	2,003,846.350	1,032,474.336
121+36.12	33.00' Rt.	2,003,882.431	1,032,453.771
121+37.82	44.00' Rt.	2,003,884.151	1,032,464.788

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 305 (U.S. ROUTE 14)
LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE JOB NO.: R-91-018-12
STATION 117+00 TO STATION 122+00
SCALE: 1"=30' SHEET 8 OF 15

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

HOGGINS SUBDIVISION
Recorded September 8, 1988
as Document No. 2719392
Corrected by Letter of Correction
Recorded June 9, 1989
as Document No. 2800387

OUTLOT 1

SEE SHEET 7

See Sheet 7 for
Parcel 1KQ0007 &
1KQ0007T.E.-A & B

REVISION DATE July 9, 2018
September 19, 2014

REVISION Eliminated County Engineer Certificate
Revised P.I.N. Parcel 1KQ0008T.E.

MADE BY

FILE NAME: G:\CH09\0176\Road\Sheets\108084-PLAT OF HIGHWAYS.dgn



USER NAME	DESIGNED	REVISOR
amkidd	JLV	-
DRAWN	CHECKED	DATE
AMK	JWC	5/22/2019
REVISION	REVISION	REVISION
-	-	-

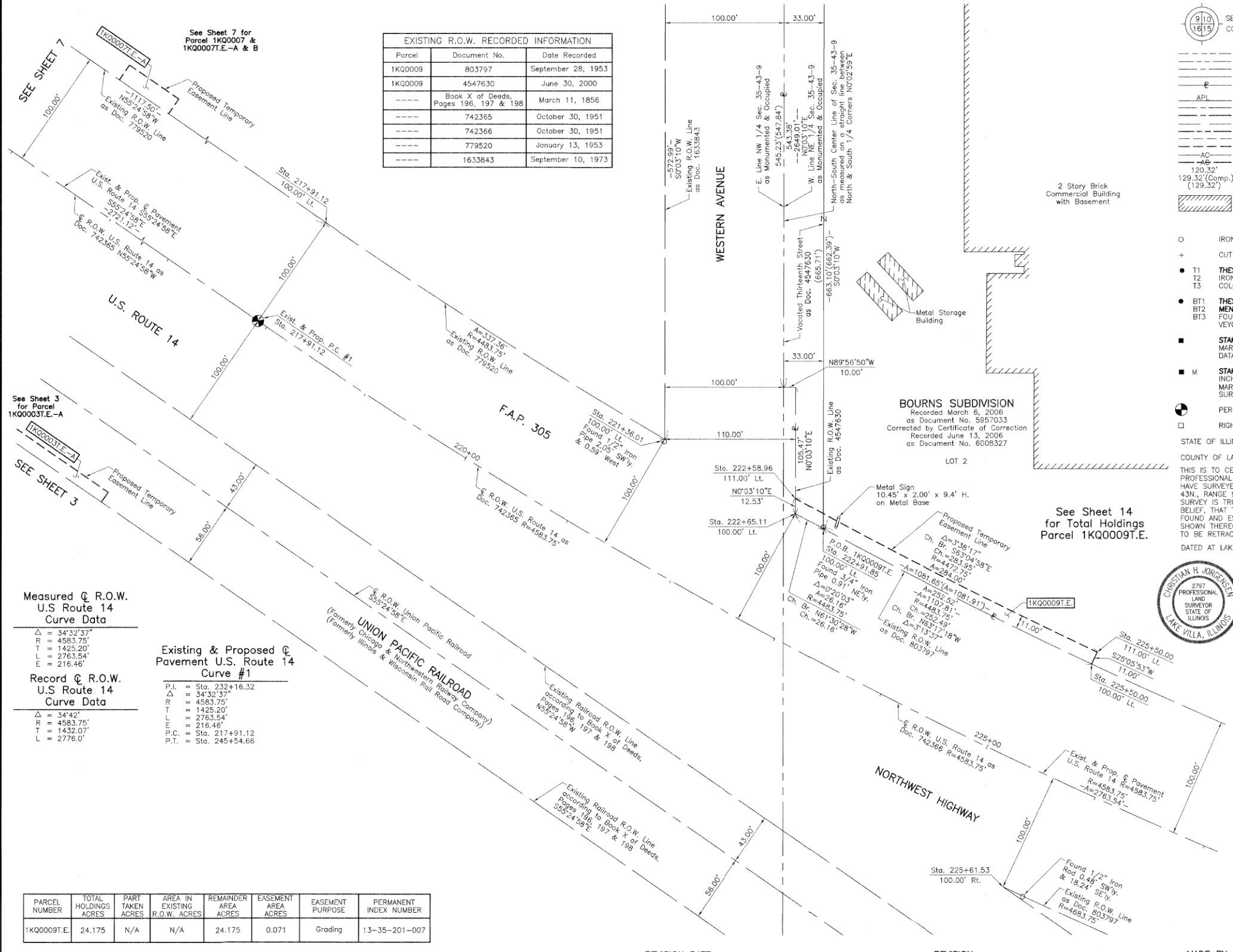
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 9 OF 16 SHEETS STA. TO STA.

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	188
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

PART OF THE NORTH 1/2 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



Parcel	Document No.	Date Recorded
1KQ0009	803797	September 28, 1953
1KQ0009	4547630	June 30, 2000
----	Book X of Deeds, Pages 196, 197 & 198	March 11, 1856
----	742365	October 30, 1951
----	742366	October 30, 1951
----	779520	January 13, 1953
----	1633843	September 10, 1973

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

2 Story Brick Commercial Building with Basement

Metal Storage Building

2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS

CRISTIAN H. JORGENSEN
LAKE VILLA, ILLINOIS

Scale: 1"=40'

- Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

Measured \odot R.O.W. U.S. Route 14 Curve Data

$\Delta = 34^{\circ}32'37"$
 $R = 4583.75'$
 $T = 1425.20'$
 $L = 2763.54'$
 $E = 216.46'$

Record \odot R.O.W. U.S. Route 14 Curve Data

$\Delta = 34^{\circ}42'$
 $R = 4583.75'$
 $T = 1432.07'$
 $L = 2776.0'$

Existing & Proposed \odot Pavement U.S. Route 14 Curve #1

P.I. = Sta. 232+16.32
 $\Delta = 34^{\circ}32'37"$
 $R = 4583.75'$
 $T = 1425.20'$
 $L = 2763.54'$
 $E = 216.46'$

P.C. = Sta. 217+91.12
 P.T. = Sta. 245+54.66

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1KQ0009T.E.	24.175	N/A	N/A	24.175	0.071	Grading	13-35-201-007

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
217+91.12	100.00' Lt.	2,002,407.276	1,033,375.326
221+36.01	100.00' Lt.	2,002,226.411	1,033,660.012
222+58.96	111.00' Lt.	2,002,176.828	1,033,769.966
222+65.11	100.00' Lt.	2,002,164.294	1,033,769.955
222+91.85	100.00' Lt.	2,002,151.816	1,033,792.943
225+50.00	100.00' Lt.	2,002,038.322	1,034,018.487
225+50.00	111.00' Lt.	2,002,048.284	1,034,023.153
225+61.53	100.00' Rt.	2,001,852.220	1,033,944.332

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE
 STATION 208+00 TO STATION 227+00 JOB NO.: R-91-018-12
 SCALE: 1"=40' SHEET 9 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

REVISION DATE July 9, 2018

REVISION Eliminated County Engineer Certificate
 MADE BY



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

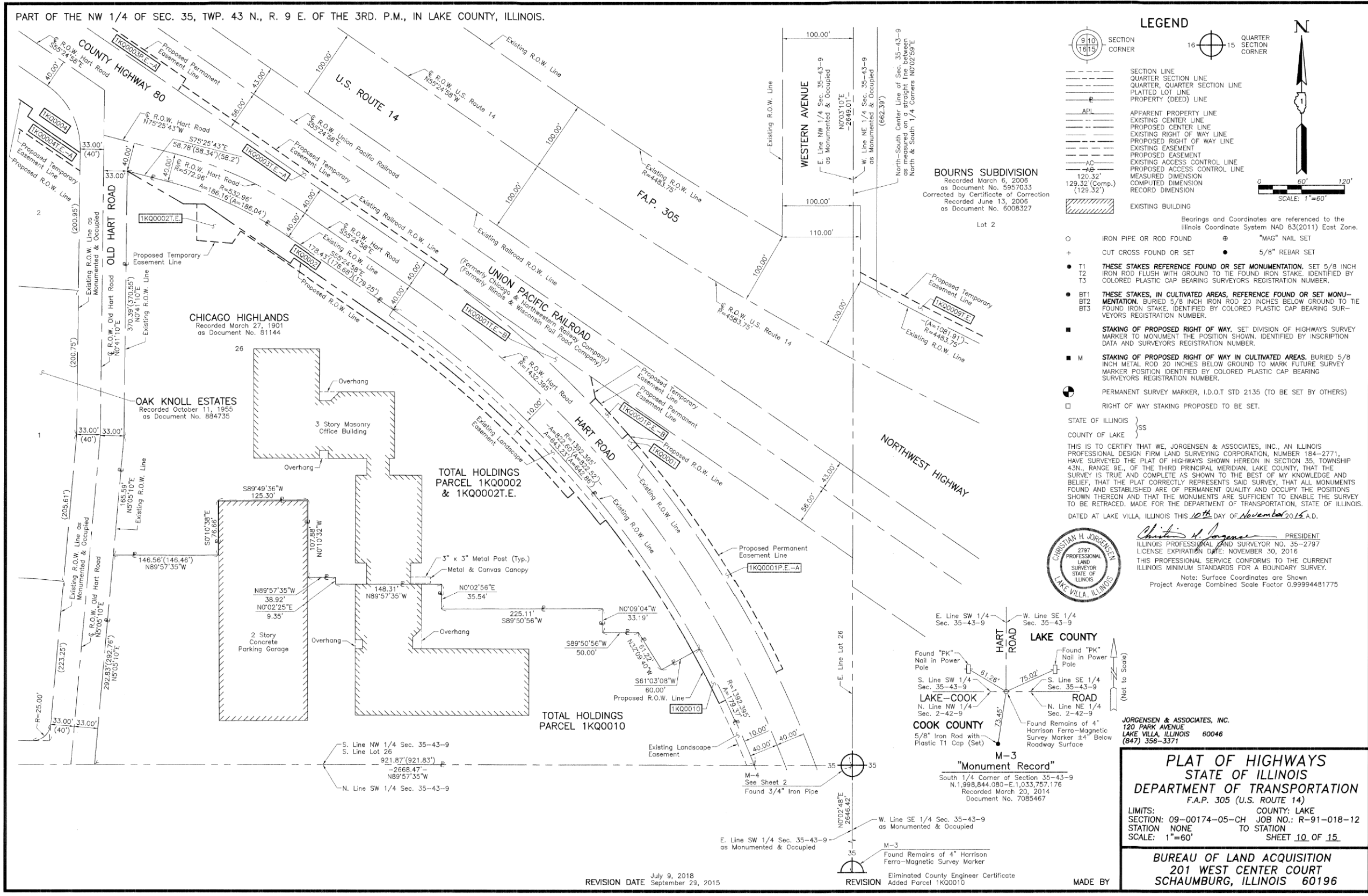
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 10 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	189

CONTRACT NO. 6ID65
 ILLINOIS FED. AID PROJECT



PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

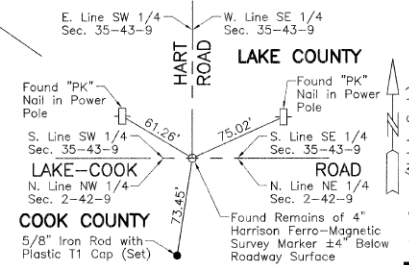
BOURNS SUBDIVISION
 Recorded March 6, 2006
 as Document No. 5957033
 Corrected by Certificate of Correction
 Recorded June 13, 2006
 as Document No. 6008327

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF November 2015 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
 SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
 STATION: NONE TO STATION
 SCALE: 1"=60' SHEET 10 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

REVISION DATE July 9, 2018
 September 29, 2015

REVISION Eliminated County Engineer Certificate
 Added Parcel 1KQ0010 MADE BY

FILE NAME: G:\CH09\0176\Road\Sheet\15\08084-PLAT OF HIGHWAYS.dgn



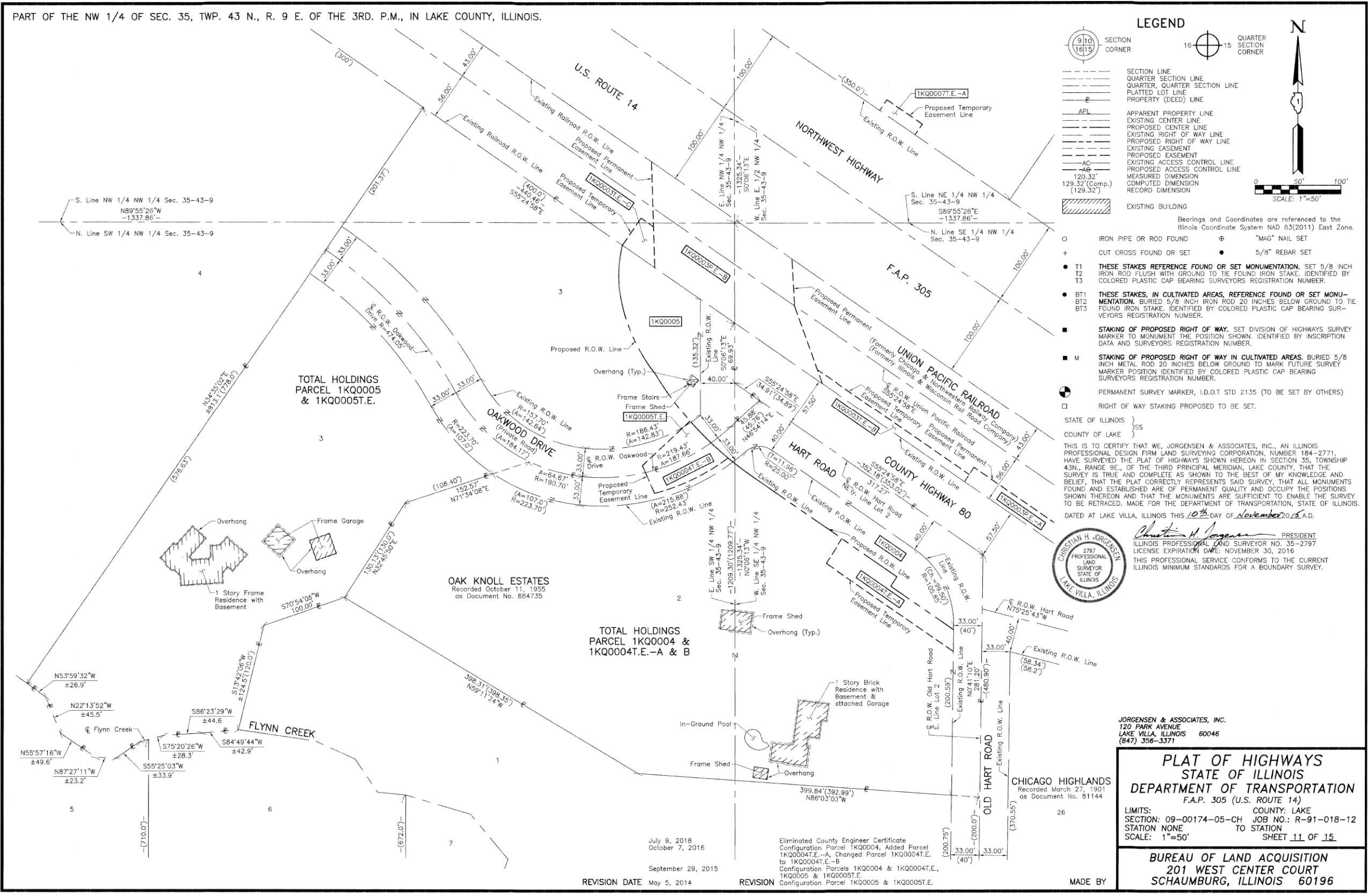
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 10 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	190
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



LEGEND

SECTION CORNER: 9 10, 16 15
 QUARTER SECTION CORNER: 16 15

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● T2
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT2
 ● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF NOVEMBER 2016 A.D.

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN
 2787 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
 LAKE VILLA, ILLINOIS

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
 SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
 STATION NONE TO STATION
 SCALE: 1"=50' SHEET 11 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

Eliminated County Engineer Certificate
 Configuration Parcel 1KQ0004, Added Parcel 1KQ0004T.E.-A, Changed Parcel 1KQ0004T.E. to 1KQ0004T.E.-B
 Configuration Parcels 1KQ0004 & 1KQ0004T.E., 1KQ0005 & 1KQ0005T.E.
 Configuration Parcel 1KQ0005 & 1KQ0005T.E.

REVISION DATE May 5, 2014 REVISION
 July 9, 2018
 October 7, 2016
 September 29, 2015

MADE BY

FILE NAME: G:\CH09\0176\Road\Sheets\108084-PLAT OF HIGHWAYS.dgn



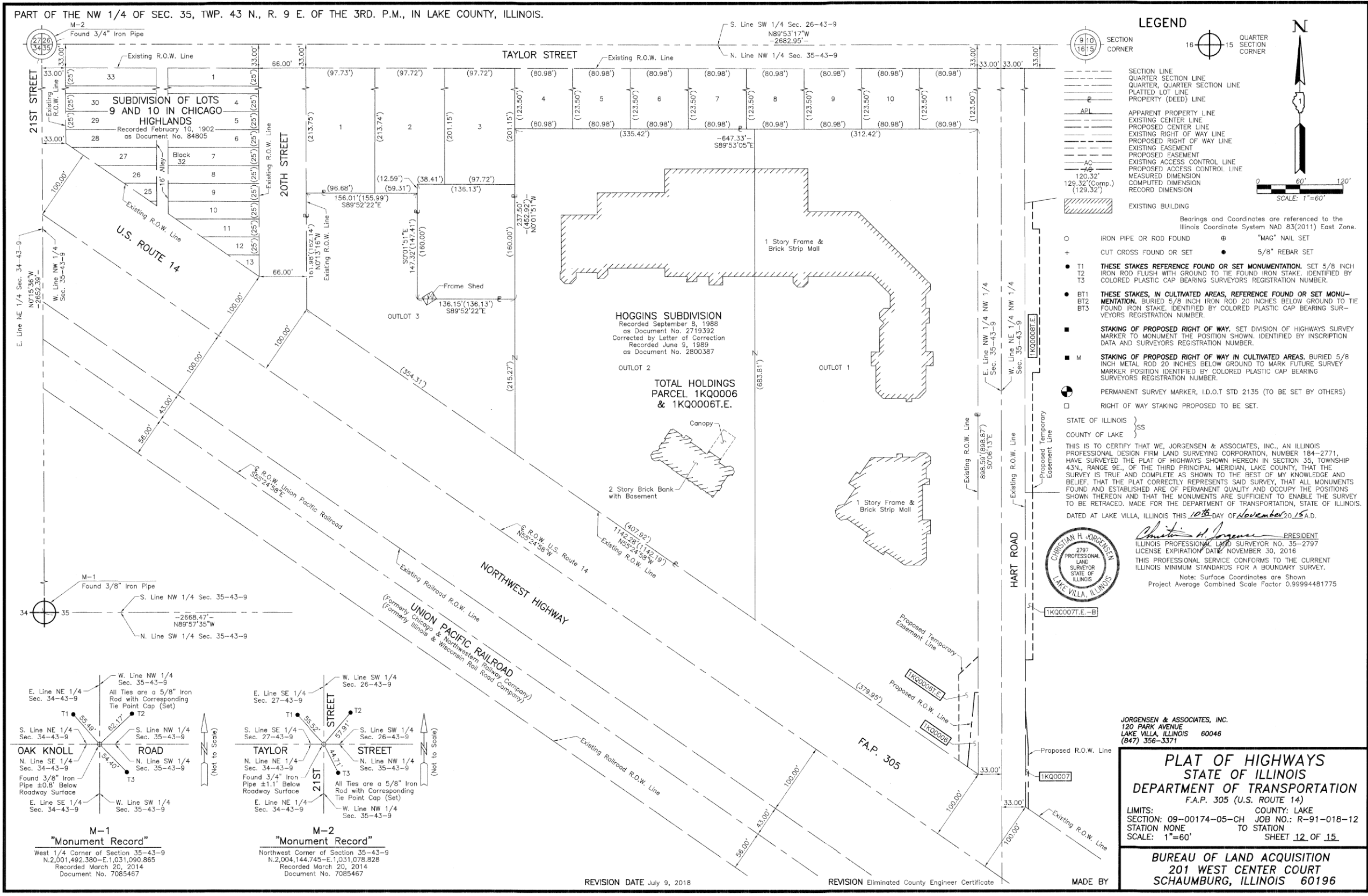
USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 12 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	191
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6ID65	



PART OF THE NW 1/4 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
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 - T2
 - T3
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 - BT3
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 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
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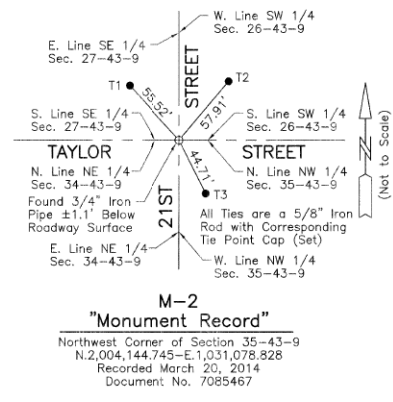
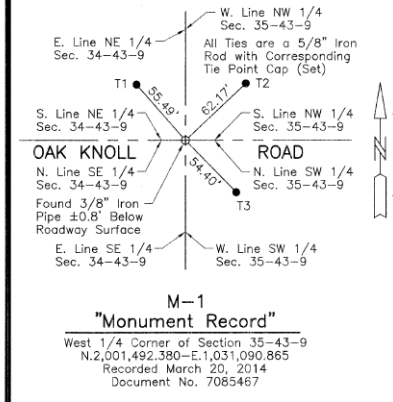
Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 Note: Surface Coordinates are Shown
 Project Average Combined Scale Factor 0.99994481775



JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
 SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
 STATION NONE TO STATION
 SCALE: 1"=60' SHEET 12 OF 15



REVISION DATE July 9, 2018

REVISION Eliminated County Engineer Certificate
 MADE BY



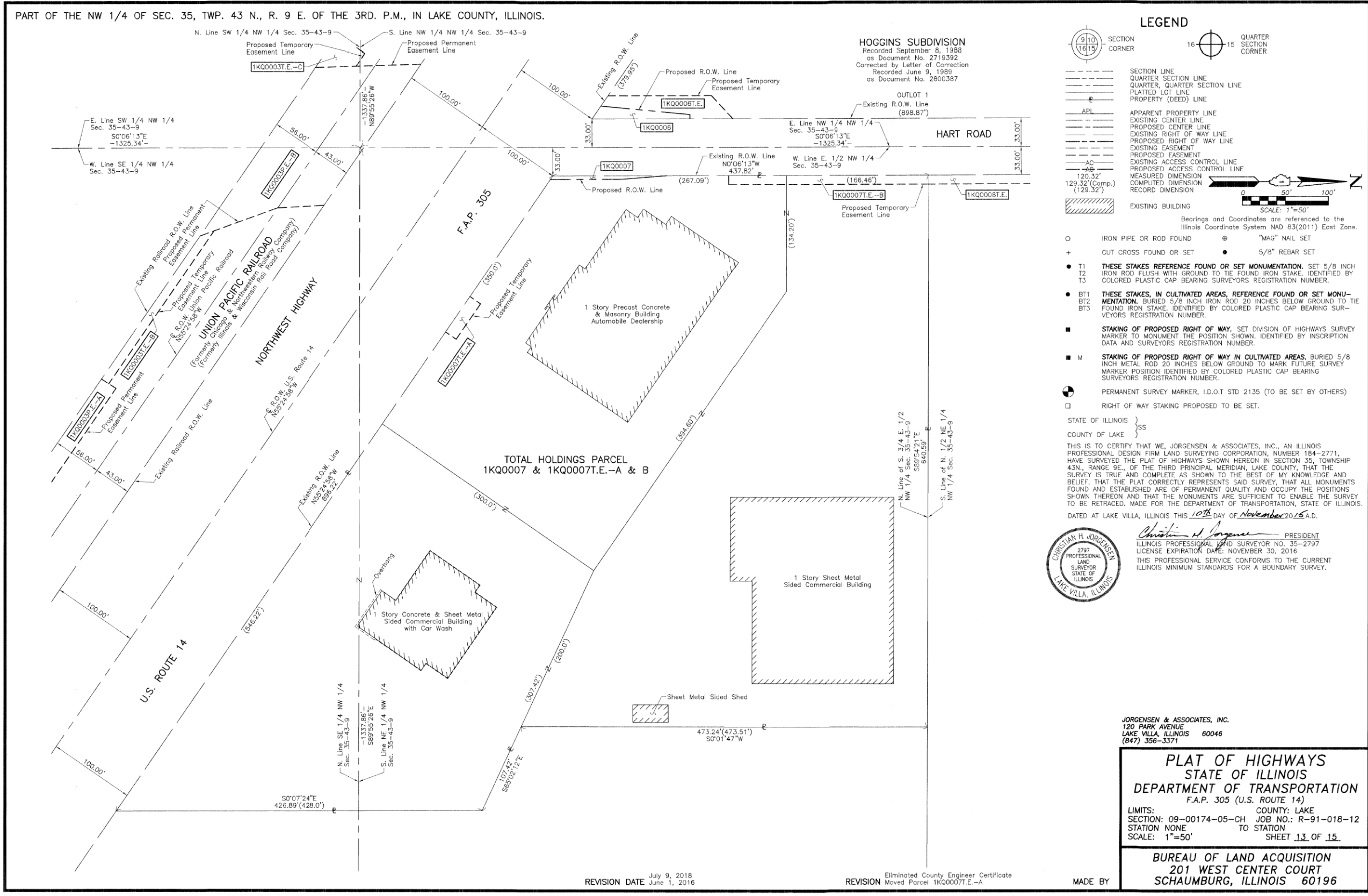
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PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 13 OF 16 SHEETS STA. TO STA.

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	192
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



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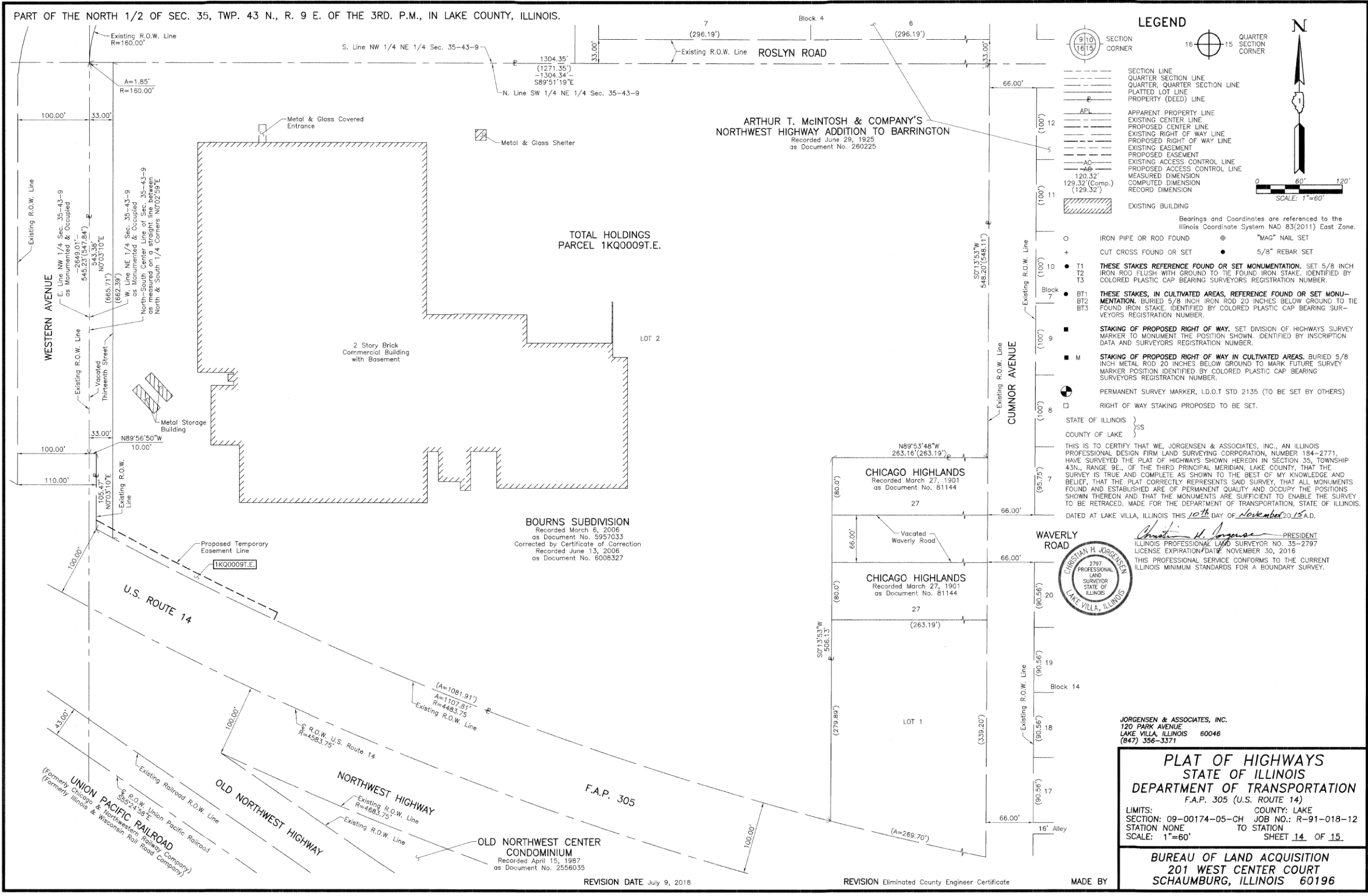


USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
SCALE: 1:20 SHEET 14 OF 16 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	193
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 35, TOWNSHIP 43N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS 10th DAY OF November 2019 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
LAKE VILLA, ILLINOIS

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 305 (U.S. ROUTE 14)

LIMITS: COUNTY: LAKE
SECTION: 09-00174-05-CH JOB NO.: R-91-018-12
STATION NONE TO STATION
SCALE: 1"=60' SHEET 14 OF 15

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = amkidd	DESIGNED - JLJ	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

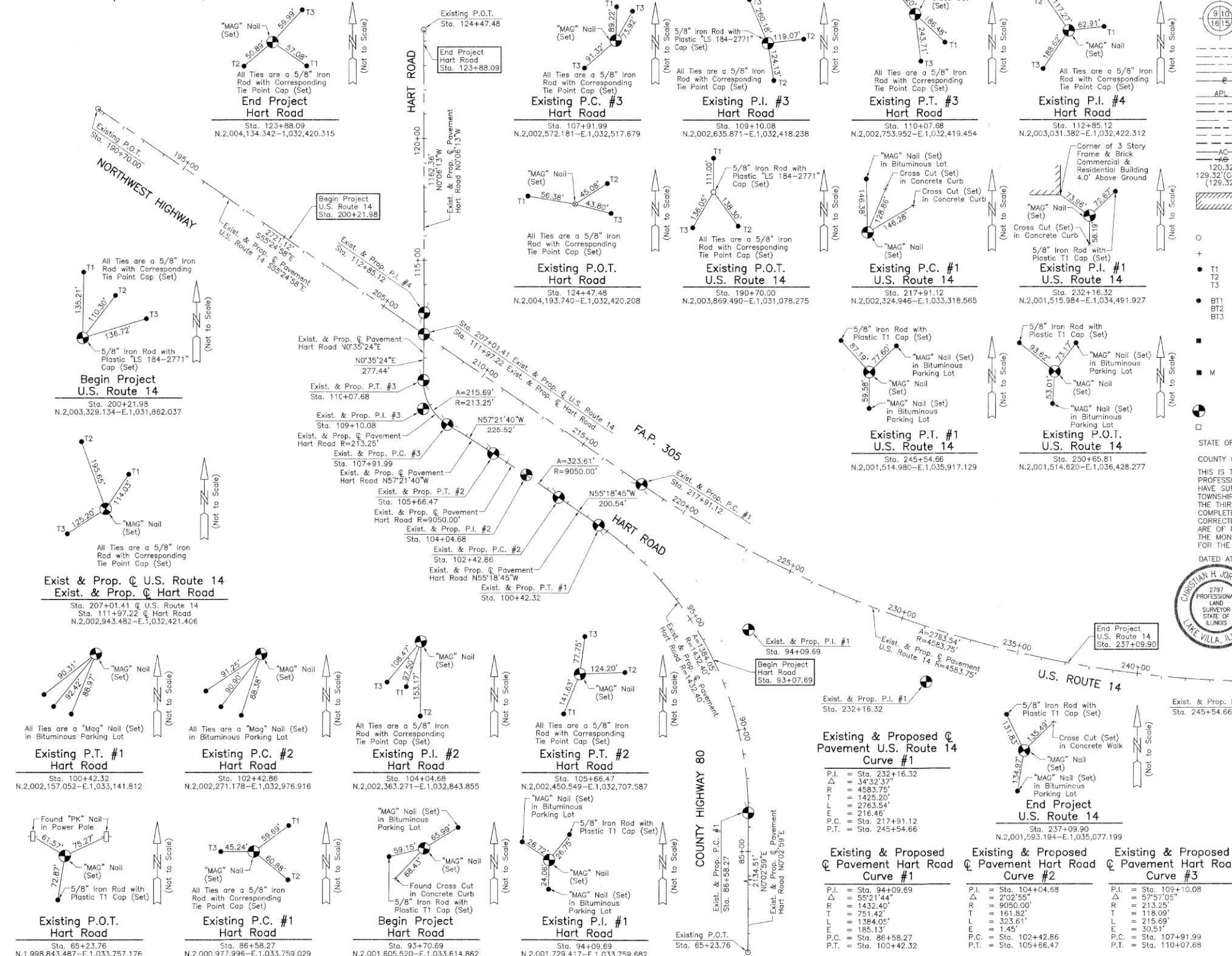
SCALE: 1:20	SHEET 15 OF 16 SHEETS	STA. TO STA.
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FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	194
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

FILE NAME: G:\CH09\0176\Road\Sheet\15\08084-PLAT OF HIGHWAYS.dgn



PART OF THE SW 1/4 OF SEC. 26, PART OF THE NE 1/4 OF SEC. 34, PART OF THE SOUTH 1/2 AND PART OF NORTH 1/2 OF SEC. 35, TWP. 43 N., R. 9 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER
 QUARTER SECTION CORNER

SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● T2
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ● BT2
 ● BT3

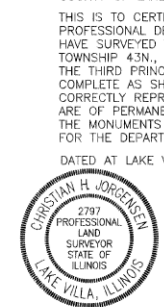
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.P. 305 (U.S. ROUTE 14)

LIMITS: SECTION: 09-00174-05-CH COUNTY: LAKE
 STATION: 65+23.76 TO STATION: 124+47.48
 STATION: 190+70.00 TO STATION: 250+65.81
 SCALE: 1"=200' SHEET 15 OF 15

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

REVISION DATE July 9, 2018

REVISION Eliminated County Engineer Certificate

MADE BY

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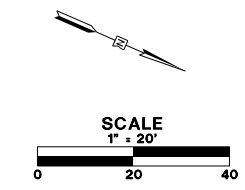
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PLOT SCALE = 40.00' / in.	DRAWN - AMK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

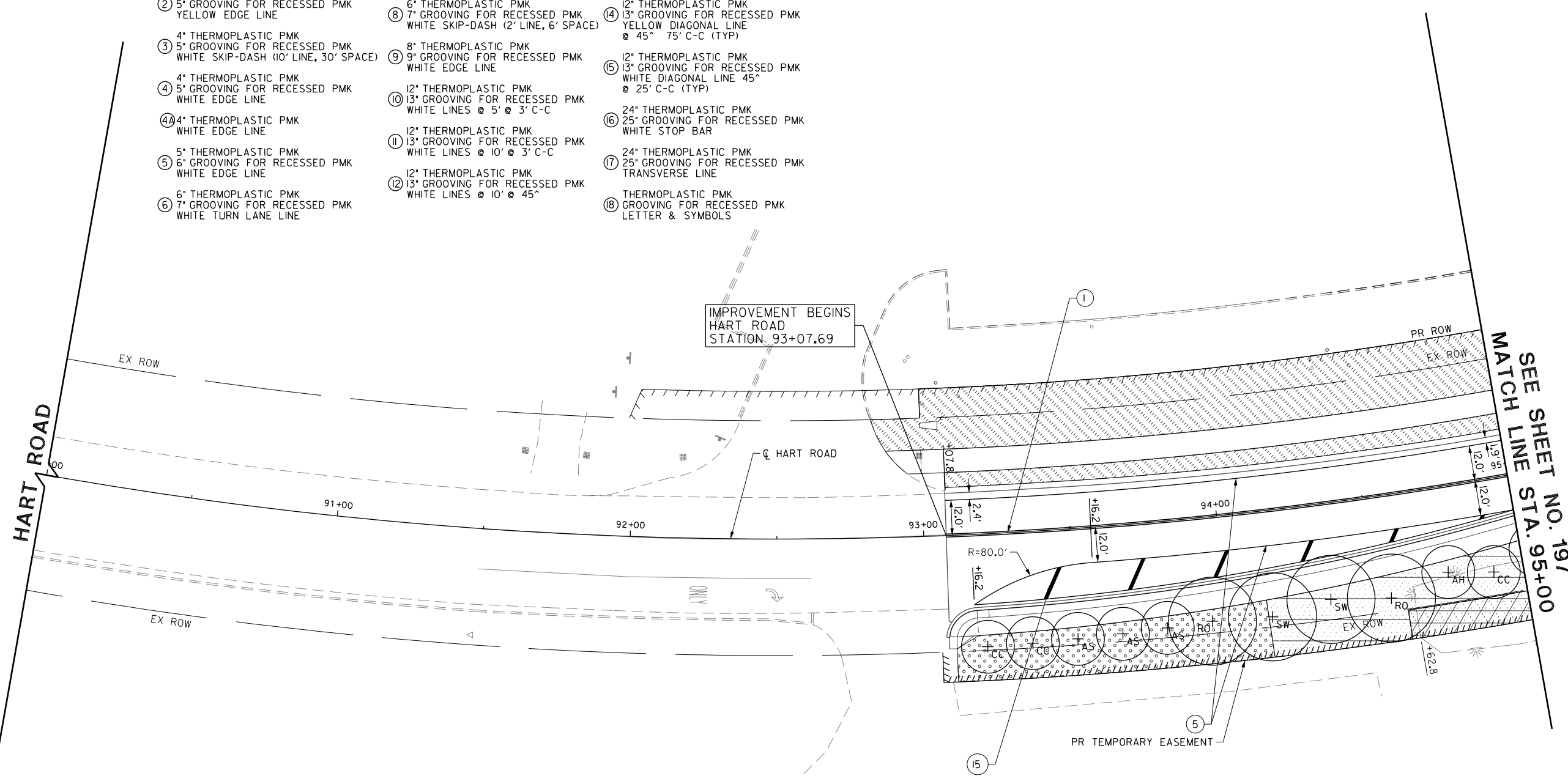
PLAT OF HIGHWAYS

SCALE: 1:20 SHEET 16 OF 16 SHEETS STA. TO STA.

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	195
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- ① 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
DOUBLE YELLOW CENTERLINE @ 11' C-C
 - ② 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
YELLOW EDGE LINE
 - ③ 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
WHITE SKIP-DASH (10' LINE, 30' SPACE)
 - ④ 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
 - ④A 4" THERMOPLASTIC PMK
WHITE EDGE LINE
 - ⑤ 5" THERMOPLASTIC PMK
6" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
 - ⑥ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE TURN LANE LINE
 - ⑦ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE CROSSHATCH
@ 45° 8' C-C (TYP)
 - ⑧ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE SKIP-DASH (2' LINE, 6' SPACE)
 - ⑨ 8" THERMOPLASTIC PMK
9" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
 - ⑩ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 5' @ 3' C-C
 - ⑪ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 10' @ 3' C-C
 - ⑫ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 10' @ 45°
 - ⑬ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
YELLOW DIAGONAL LINE
@ 45° 20' C-C (TYP)
 - ⑭ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
YELLOW DIAGONAL LINE
@ 45° 75' C-C (TYP)
 - ⑮ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE DIAGONAL LINE 45°
@ 25' C-C (TYP)
 - ⑯ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
WHITE STOP BAR
 - ⑰ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
TRANSVERSE LINE
 - ⑱ THERMOPLASTIC PMK
GROOVING FOR RECESSED PMK
LETTER & SYMBOLS



- NOTES:**
1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON U.S. ROUTE 14.
 2. SEE IDOT DISTRICT ONE DETAIL TC-11 FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR U.S. ROUTE 14.
 3. SEE LCDOT STANDARD LC7800 FOR RECESSED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR HART ROAD.
 4. SEE DRAINAGE PLANS FOR RIP-RAP DETAILS.

LEGEND

	SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE MIXTURE) TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) OR TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET OR HEAVY DUTY EROSION CONTROL BLANKET		SODDING SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT SUPPLEMENTAL WATERING
	SEEDING, CLASS 4A, LOW PROFILE NATIVE GRASS TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET OR EROSION CONTROL BLANKET, SPECIAL		PROPOSED ORNAMENTAL TREES: AH - AMERICAN HORNBEAM AS - APPLE SERVICEBERRY CC - CORNELIAN CHERRY DOG WOOD EH - COLUMNAR EUROPEAN HORNBEAM
	SEEDING, CLASS 4B, WETLAND GRASS AND SEDGE MIXTURE TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET EROSION CONTROL BLANKET, SPECIAL		PROPOSED SHADE TREES: BC - COMMON BALD CYPRESS RO - RED OAK SW - SWAMP WHITE OAK
	RIP-RAP FILTER FABRIC		

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USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING, PAVEMENT MARKING & SIGNING PLAN

SCALE: 1/2" = 1' SHEET 1 OF 16 SHEETS STA. 90+00.00 TO STA. 95+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	196
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

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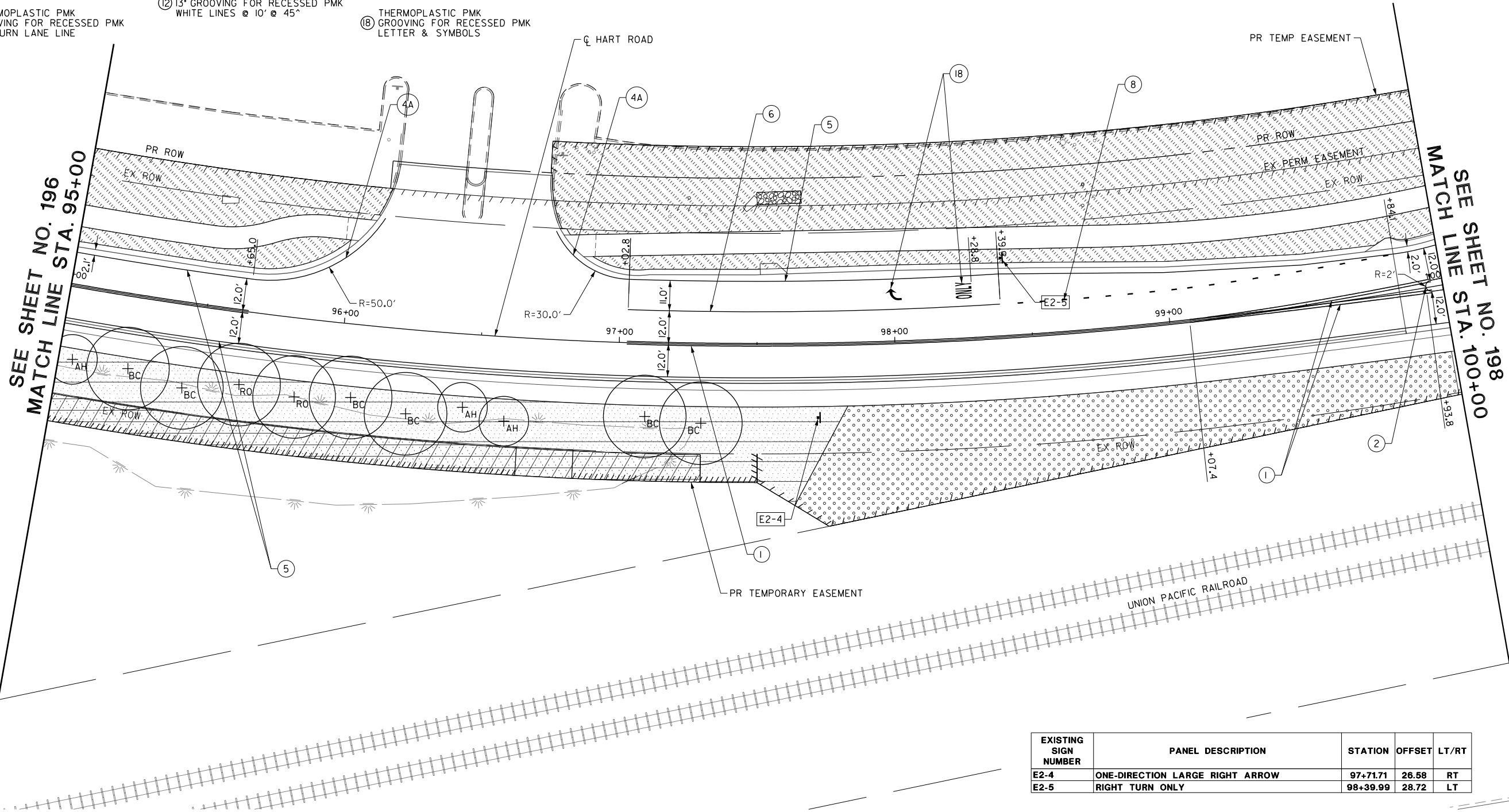
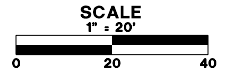
PAVEMENT MARKING LEGEND

- ① 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
DOUBLE YELLOW CENTERLINE @ 11" C-C
- ② 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
YELLOW EDGE LINE
- ③ 4" THERMOPLASTIC PMK
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WHITE TURN LANE LINE
- ⑦ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE CROSSHATCH
@ 45° 8' C-C (TYP)
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WHITE LINES @ 5' @ 3' C-C
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YELLOW DIAGONAL LINE
@ 45° 75' C-C (TYP)
- ⑮ 12" THERMOPLASTIC PMK
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WHITE DIAGONAL LINE 45°
@ 25' C-C (TYP)
- ⑯ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
WHITE STOP BAR
- ⑰ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
TRANSVERSE LINE
- ⑱ THERMOPLASTIC PMK
GROOVING FOR RECESSED PMK
LETTER & SYMBOLS

- NOTES:**
- THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON U.S. ROUTE 14.
 - SEE IDOT DISTRICT ONE DETAIL TC-11 FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR U.S. ROUTE 14.
 - SEE LCDOT STANDARD LC7800 FOR RECESSED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR HART ROAD.
 - SEE DRAINAGE PLANS FOR RIP-RAP DETAILS.

LEGEND

- SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE MIXTURE)
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) OR
TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14)
NITROGEN AND POTASSIUM FERTILIZER NUTRIENT
EROSION CONTROL BLANKET, SPECIAL OR
HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 4A, LOW PROFILE NATIVE GRASS
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
EROSION CONTROL BLANKET OR
EROSION CONTROL BLANKET, SPECIAL
- SEEDING, CLASS 4B, WETLAND GRASS AND SEDGE MIXTURE
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
EROSION CONTROL BLANKET
EROSION CONTROL BLANKET, SPECIAL
- RIP-RAP
FILTER FABRIC
- SODDING SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14)
NITROGEN AND POTASSIUM FERTILIZER NUTRIENT
SUPPLEMENTAL WATERING
- PROPOSED ORNAMENTAL TREES:
AH - AMERICAN HORNBEAM
AS - APPLE SERVICEBERRY
CC - CORNELIAN CHERRY DOG WOOD
EH - COLUMNAR EUROPEAN HORNBEAM
- PROPOSED SHADE TREES:
BC - COMMON BALD CYPRESS
RO - RED OAK
SW - SWAMP WHITE OAK



EXISTING SIGN NUMBER	PANEL DESCRIPTION	STATION	OFFSET	LT/RT
E2-4	ONE-DIRECTION LARGE RIGHT ARROW	97+71.71	26.58	RT
E2-5	RIGHT TURN ONLY	98+39.99	28.72	LT



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1" =	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

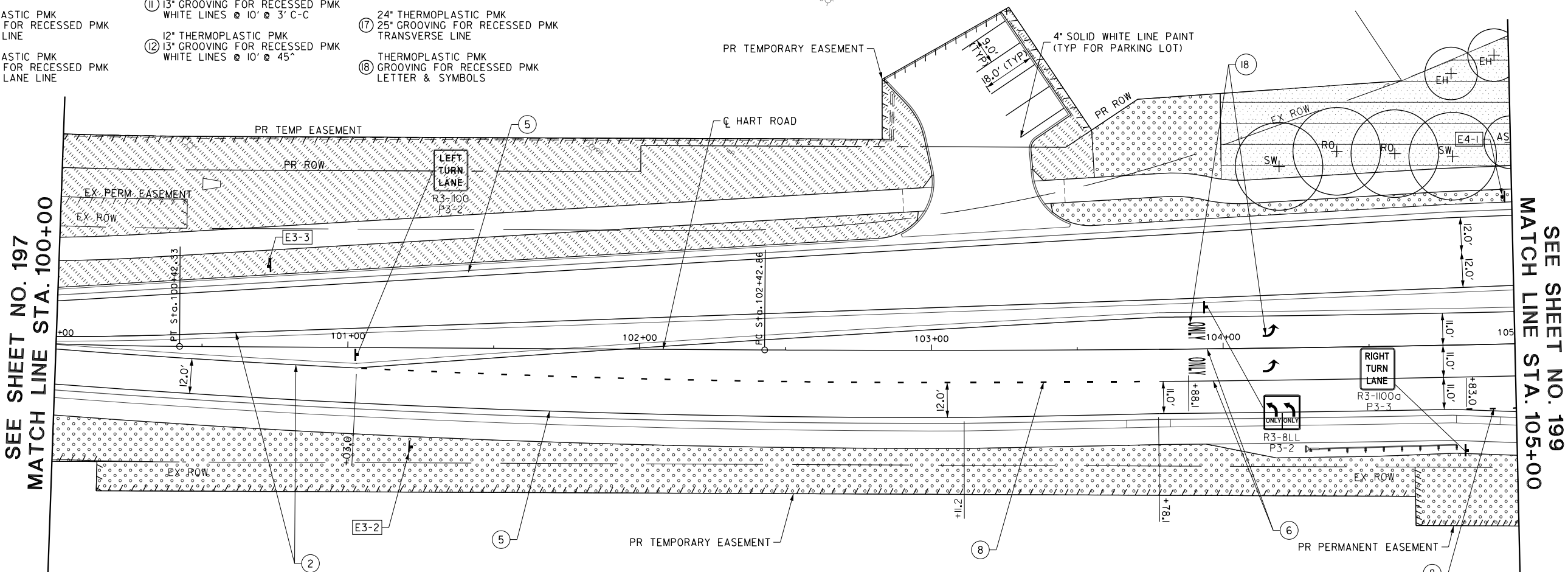
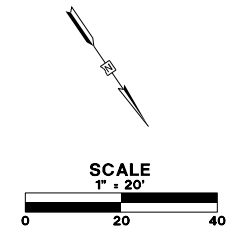
LANDSCAPING, PAVEMENT MARKING & SIGNING PLAN

SCALE: 1:20 SHEET 2 OF 16 SHEETS STA. 95+00.00 TO STA. 100+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	197
CONTRACT NO. 6ID65				
ILLINOIS FED. AID PROJECT				

- PAVEMENT MARKING LEGEND**
- ① 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
DOUBLE YELLOW CENTERLINE @ 11' C-C
 - ② 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
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 - ⑦ 6" THERMOPLASTIC PMK
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@ 45° 8' C-C (TYP)
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@ 45° 20' C-C (TYP)
 - ⑭ 12" THERMOPLASTIC PMK
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YELLOW DIAGONAL LINE
@ 45° 75' C-C (TYP)
 - ⑮ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE DIAGONAL LINE 45°
@ 25' C-C (TYP)
 - ⑯ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
WHITE STOP BAR
 - ⑰ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
TRANSVERSE LINE
 - ⑱ THERMOPLASTIC PMK
GROOVING FOR RECESSED PMK
LETTER & SYMBOLS

- NOTES:**
- THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON U.S. ROUTE 14.
 - SEE IDOT DISTRICT ONE DETAIL TC-11 FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR U.S. ROUTE 14.
 - SEE LCDOT STANDARD LC7800 FOR RECESSED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR HART ROAD.
 - SEE DRAINAGE PLANS FOR RIP-RAP DETAILS.



SEE SHEET NO. 197
MATCH LINE STA. 100+00

SEE SHEET NO. 199
MATCH LINE STA. 105+00

LEGEND

	SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE MIXTURE) TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) OR TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET OR EROSION CONTROL BLANKET, SPECIAL OR HEAVY DUTY EROSION CONTROL BLANKET		SODDING SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT SUPPLEMENTAL WATERING
	SEEDING, CLASS 4A, LOW PROFILE NATIVE GRASS TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET OR EROSION CONTROL BLANKET, SPECIAL		PROPOSED ORNAMENTAL TREES: AH - AMERICAN HORNBEAM AS - APPLE SERVICEBERRY CC - CORNELIAN CHERRY DOG WOOD EH - COLUMNAR EUROPEAN HORNBEAM
	SEEDING, CLASS 4B, WETLAND GRASS AND SEDGE MIXTURE TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET EROSION CONTROL BLANKET, SPECIAL		PROPOSED SHADE TREES: BC - COMMON BALD CYPRESS RO - RED OAK SW - SWAMP WHITE OAK
	RIP-RAP		
	FILTER FABRIC		

EXISTING SIGN NUMBER	PANEL DESCRIPTION	STATION	OFFSET	LT/RT
E3-2a	RIGHT TURN AHEAD	101+21.99	33.92	RT
E3-2b	ADVISORY SPEED LIMIT 25 MPH	101+21.99	33.92	RT
E3-3	PEDESTRIAN CROSSING	100+72.58	27.61	LT
E4-1a	ADOPT A HIGHWAY	104+96.79	51.69	LT
E4-1b	FIELD AND FLOWER GARDEN CLUB	104+96.79	51.69	LT
E4-1c	FOLDED CLEAN UP CREW WORKING	104+96.79	51.69	LT

FILE NAME: g:\v\09-0176\road\Sheet\15-03.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING, PAVEMENT MARKING & SIGNING PLAN

SCALE: 1:20 SHEET 3 OF 16 SHEETS STA. 100+00.00 TO STA. 105+00.00

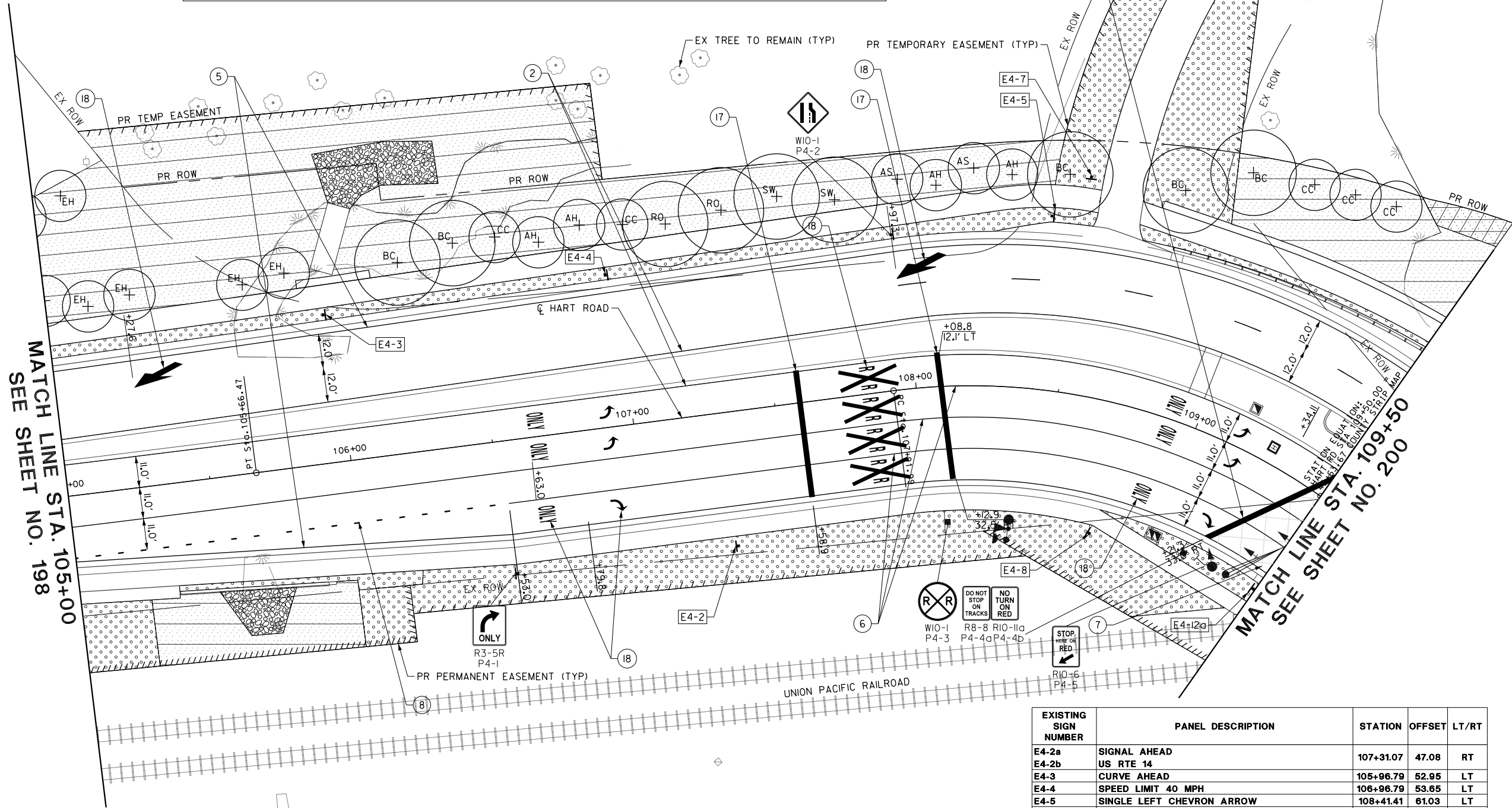
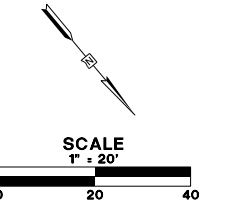
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	198
ILLINOIS FED. AID PROJECT			CONTRACT NO. 6ID65	

NOTES:

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON U.S. ROUTE 14.
2. SEE IDOT DISTRICT ONE DETAIL TC-11 FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR U.S. ROUTE 14.
3. SEE LCDOT STANDARD LC7800 FOR RECESSED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR HART ROAD.
4. SEE DRAINAGE PLANS FOR RIP-RAP DETAILS.

LEGEND

<p>SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE MIXTURE) TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) OR TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET OR EROSION CONTROL BLANKET, SPECIAL OR HEAVY DUTY EROSION CONTROL BLANKET</p> <p>SEEDING, CLASS 4A, LOW PROFILE NATIVE GRASS TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET OR EROSION CONTROL BLANKET, SPECIAL</p> <p>SEEDING, CLASS 4B, WETLAND GRASS AND SEDGE MIXTURE TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) EROSION CONTROL BLANKET EROSION CONTROL BLANKET, SPECIAL</p> <p>RIP-RAP FILTER FABRIC</p>	<p>SODDING SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14) NITROGEN AND POTASSIUM FERTILIZER NUTRIENT SUPPLEMENTAL WATERING</p> <p>PROPOSED ORNAMENTAL TREES: AH - AMERICAN HORNBEAM AS - APPLE SERVICEBERRY CC - CORNELIAN CHERRY DOG WOOD EH - COLUMNAR EUROPEAN HORNBEAM</p> <p>PROPOSED SHADE TREES: BC - COMMON BALD CYPRESS RO - RED OAK SW - SWAMP WHITE OAK</p>
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PAVEMENT MARKING LEGEND

- ① 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
DOUBLE YELLOW CENTERLINE @ 11" C-C
- ② 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
YELLOW EDGE LINE
- ③ 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
WHITE SKIP-DASH (10' LINE, 30' SPACE)
- ④ 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
- ④A 4" THERMOPLASTIC PMK
WHITE EDGE LINE
- ⑤ 5" THERMOPLASTIC PMK
6" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
- ⑥ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE TURN LANE LINE
- ⑦ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE CROSSHATCH
@ 45° 8' C-C (TYP)
- ⑧ 6" THERMOPLASTIC PMK
7" GROOVING FOR RECESSED PMK
WHITE SKIP-DASH (2' LINE, 6' SPACE)
- ⑨ 8" THERMOPLASTIC PMK
9" GROOVING FOR RECESSED PMK
WHITE EDGE LINE
- ⑩ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 5' @ 3' C-C
- ⑪ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 10' @ 3' C-C
- ⑫ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE LINES @ 10' @ 45°
- ⑬ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
YELLOW DIAGONAL LINE
@ 45° 20' C-C (TYP)
- ⑭ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
YELLOW DIAGONAL LINE
@ 45° 75' C-C (TYP)
- ⑮ 12" THERMOPLASTIC PMK
13" GROOVING FOR RECESSED PMK
WHITE DIAGONAL LINE 45°
@ 25' C-C (TYP)
- ⑯ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
WHITE STOP BAR
- ⑰ 24" THERMOPLASTIC PMK
25" GROOVING FOR RECESSED PMK
TRANSVERSE LINE
- ⑱ THERMOPLASTIC PMK
GROOVING FOR RECESSED PMK
LETTER & SYMBOLS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	STATION	OFFSET	LT/RT
E4-2a	SIGNAL AHEAD			
E4-2b	US RTE 14	107+31.07	47.08	RT
E4-3	CURVE AHEAD	105+96.79	52.95	LT
E4-4	SPEED LIMIT 40 MPH	106+96.79	53.65	LT
E4-5	SINGLE LEFT CHEVRON ARROW	108+41.41	61.03	LT
E4-7	BCPPP ZON 726 770	108+50.50	76.88	LT
E4-8a	END PLAQUE	108+72.88	46.57	RT
E4-8b	LAKE COUNTY V53			

FILE NAME: g:\ch09\0176\road\sheet\108084-155-04.dgn



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
PLOT DATE = 5/22/2019	CHECKED - JWC	REVISED -
	DATE - 5/22/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING, PAVEMENT MARKING & SIGNING PLAN

SCALE: 1:20 SHEET 4 OF 16 SHEETS STA. 105+00.00 TO STA. 109+50.00

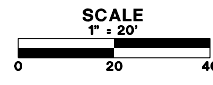
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	199
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				

NOTES:

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON U.S. ROUTE 14.
2. SEE IDOT DISTRICT ONE DETAIL TC- FOR RAISED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR U.S. ROUTE 14.
3. SEE LCDOT STANDARD LC7800 FOR RECESSED REFLECTIVE PAVEMENT MARKING DETAILS & LOCATIONS FOR HART ROAD.
4. SEE DRAINAGE PLANS FOR RIP-RAP DETAILS.

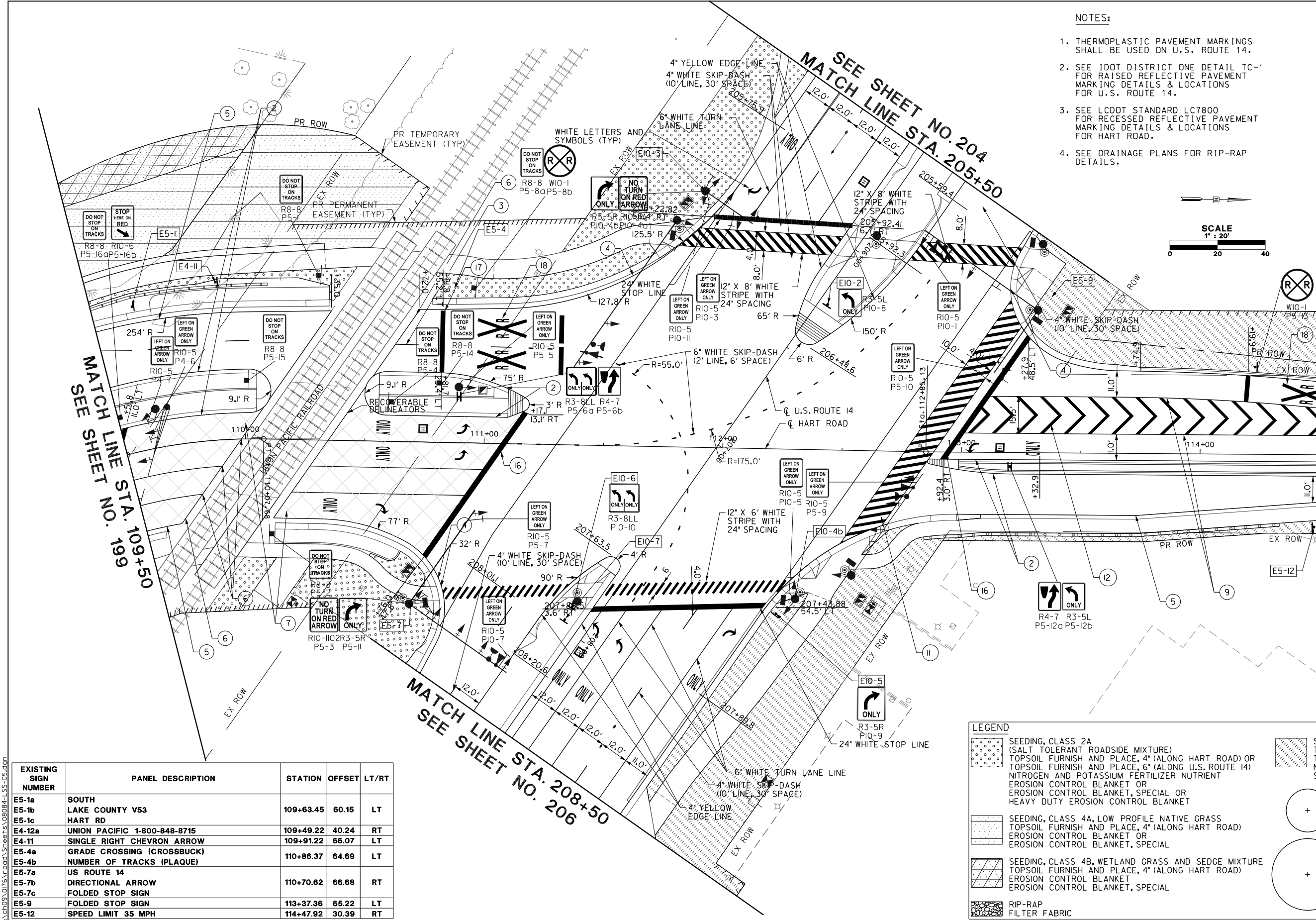
PAVEMENT MARKING LEGEND

- ① 4" THERMOPLASTIC PMK
5" GROOVING FOR RECESSED PMK
DOUBLE YELLOW CENTERLINE @ 11" C-C
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- ⑮ 12" THERMOPLASTIC PMK
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TRANSVERSE LINE
- ⑱ THERMOPLASTIC PMK
GROOVING FOR RECESSED PMK
LETTER & SYMBOLS



LEGEND

- SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE MIXTURE)
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD) OR TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14)
NITROGEN AND POTASSIUM FERTILIZER NUTRIENT
EROSION CONTROL BLANKET OR
EROSION CONTROL BLANKET, SPECIAL OR
HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 4A, LOW PROFILE NATIVE GRASS
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
EROSION CONTROL BLANKET OR
EROSION CONTROL BLANKET, SPECIAL
- SEEDING, CLASS 4B, WETLAND GRASS AND SEDGE MIXTURE
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
EROSION CONTROL BLANKET
EROSION CONTROL BLANKET, SPECIAL
- RIP-RAP
FILTER FABRIC
- SODDING SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4" (ALONG HART ROAD)
TOPSOIL FURNISH AND PLACE, 6" (ALONG U.S. ROUTE 14)
NITROGEN AND POTASSIUM FERTILIZER NUTRIENT
SUPPLEMENTAL WATERING
- PROPOSED ORNAMENTAL TREES:
AH - AMERICAN HORNBEAM
AS - APPLE SERVICEBERRY
CC - CORNELIAN CHERRY DOG WOOD
EH - COLUMNAR EUROPEAN HORNBEAM
- PROPOSED SHADE TREES:
BC - COMMON BALD CYPRESS
RO - RED OAK
SW - SWAMP WHITE OAK



EXISTING SIGN NUMBER	PANEL DESCRIPTION	STATION	OFFSET	LT/RT
E5-1a	SOUTH			
E5-1b	LAKE COUNTY V53			
E5-1c	HART RD	109+63.45	60.15	LT
E4-12a	UNION PACIFIC 1-800-848-8715	109+49.22	40.24	RT
E4-11	SINGLE RIGHT CHEVRON ARROW	109+91.22	66.07	LT
E5-4a	GRADE CROSSING (CROSSBOW)			
E5-4b	NUMBER OF TRACKS (PLAQUE)	110+86.37	64.69	LT
E5-7a	US ROUTE 14			
E5-7b	DIRECTIONAL ARROW	110+70.62	66.68	RT
E5-7c	FOLDED STOP SIGN			
E5-9	FOLDED STOP SIGN	113+37.36	65.22	LT
E5-12	SPEED LIMIT 35 MPH	114+47.92	30.39	RT



USER NAME = amkidd	DESIGNED - JLV	REVISED -
PLOT SCALE = 40.00' / 1"	DRAWN - AMK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, PAVEMENT MARKING & SIGNING PLAN

SCALE: 1:20 SHEET 5 OF 16 SHEETS STA. 109+50.00 TO STA. 114+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549	09-00174-05-CH	LAKE	423	200
				CONTRACT NO. 6ID65
ILLINOIS FED. AID PROJECT				