

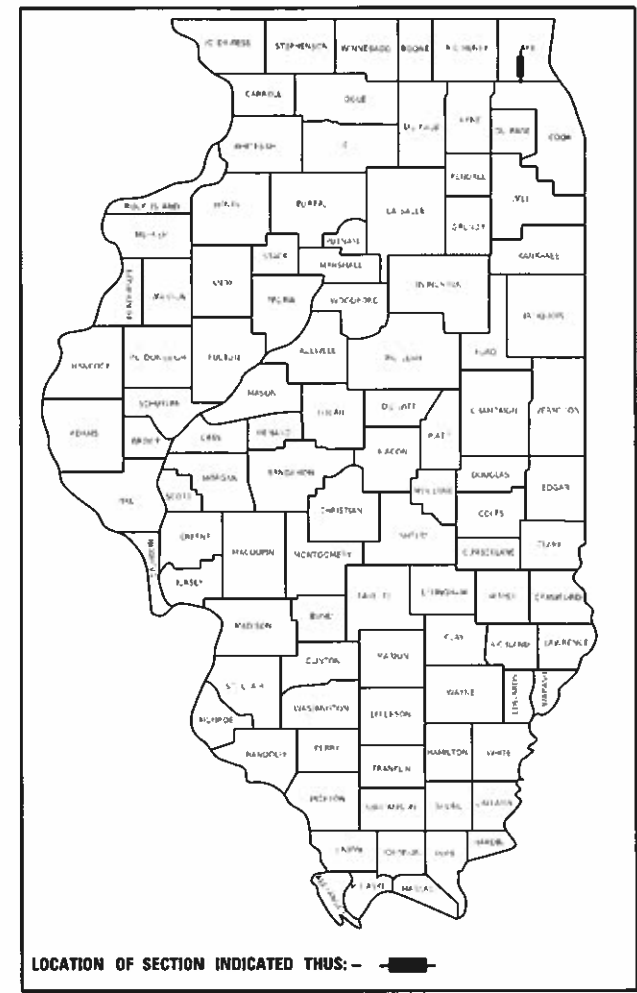
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	1
		ILLINOIS	CONTRACT NO. 61G40	

03-05-2021 LETTING ITEM 096

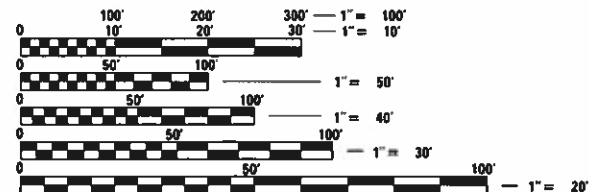
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
MUN ROUTE 2030 (N KRUEGER ROAD)
FROM IL RTE 22 TO MUN ROUTE 3602 (GILMER ROAD)
ROADWAY RECONSTRUCTION AND RESURFACING
SECTION 16-00010-00-PV
PROJECT DR8P(303)
VILLAGE OF LONG GROVE
LAKE COUNTY
C-91-232-16

FOR INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA
ROAD NAME: N. KRUEGER ROAD
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED: 35 MPH
ADT: 3,500 (2040)

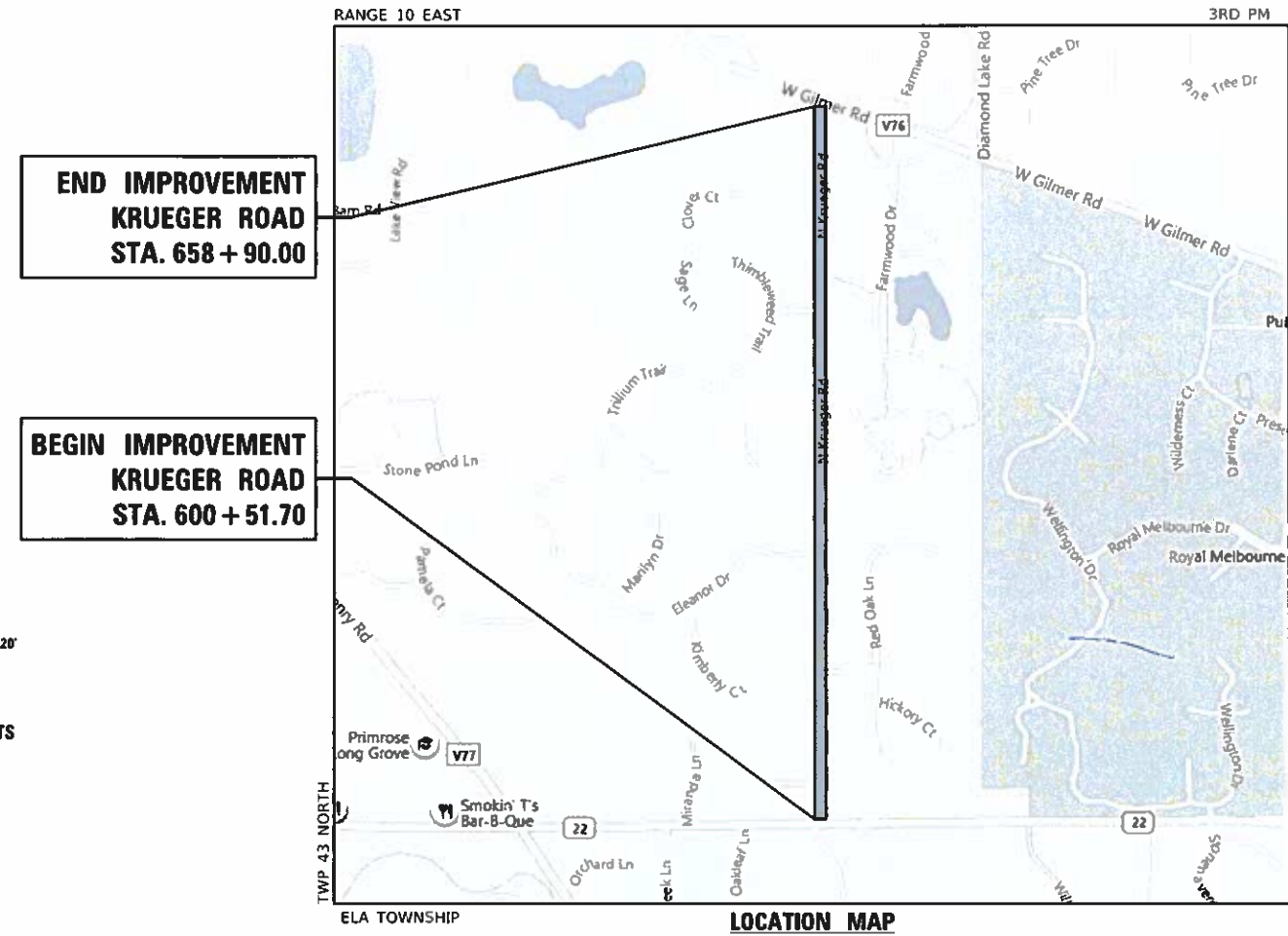


FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE, SCHAUMBURG, IL



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

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



**END IMPROVEMENT
KRUEGER ROAD
STA. 658 + 90.00**

**BEGIN IMPROVEMENT
KRUEGER ROAD
STA. 600 + 51.70**

LOCATION MAP
GROSS LENGTH = 5,838.30 FT. = 1.106 MILE
NET LENGTH = 5,838.30 FT. = 1.106 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED:
11/16/2020
VILLAGE OF LONG GROVE, INTERIM VILLAGE MANAGER

PASSED: 12-30-2020

DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: December 30, 2020

REGIONAL ENGINEER



SIGNED:
ENGINEER
DATE: 11/16/2020 EXP. 11/30/2021

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

**GHA GEWALT HAMILTON
ASSOCIATES, INC.**
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

CONTRACT NO. 61G40

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LISTING OF APPLICABLE STANDARDS, GENERAL NOTES
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40	DETOUR PLAN SIGN SHEET
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63-84	CROSS SECTIONS

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2021, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.

2. CONTACT LAKE COUNTY PUBLIC WORKS (LCPW) AT 847-377-7500 A MINIMUM OF 48 HOURS PRIOR TO THE START OF SANITARY SEWER CONSTRUCTION.

3. LAKE COUNTY PUBLIC WORKS SHALL BE GRANTED ACCESS TO ALL PARTS OF THE CONSTRUCTION SITE AND SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND/OR REJECT ALL WATER MAIN, WATER SERVICES, SANITARY SEWER, AND SANITARY SERVICE IMPROVEMENTS.

4. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

5. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES.

7. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

9. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED.

10. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.

11. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

12. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

13. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTORS EXPENSE.

14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT Kalpana.Kannan-Hosadurga@illinois.gov AT LEAST 72 HOURS BEFORE BEGINNING WORK.

15. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

16. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602301-04	INLET, TYPE A
604036-03	GRATE TYPE 8
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT 1 DETAILS

BD-32	BUTT JOINTS AND HMA TAPER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, LISTING OF APPLICABLE STANDARDS, GENERAL NOTES				MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				2030	16-00010-00-PV	LAKE	84	2
				CONTRACT NO. 61G40				
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.					
				ILLINOIS	FED. AID PROJECT			

SUMMARY OF QUANTITIES

						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% LONG GROVE	100% LONG GROVE
*	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0006
*		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	128	128	
*		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	50	
		20101100	TREE TRUNK PROTECTION	EACH	63	63	
*		20101200	TREE ROOT PRUNING	EACH	63	63	
		20200100	EARTH EXCAVATION	CU YD	1,200	1,200	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	300	300	
		20400800	FURNISHED EXCAVATION	CU YD	1,000	1,000	
		20800150	TRENCH BACKFILL	CU YD	10	10	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	900	900	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9,100	9,100	
		21400100	GRADING AND SHAPING DITCHES	FOOT	600	600	
*		25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25	
*		25000314	SEEDING, CLASS 4B	ACRE	0.25	0.25	
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	115	115	
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	115	115	
*		25100115	MULCH, METHOD 2	ACRE	0.8	0.8	

SP - SPECIAL PROVISION

* SPECIALTY ITEM



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	DATE - 12/21/2020
	REVISOR -
	REVISION -

DESIGNED - MGC	REVISOR -
DRAWN - PJS	REVISION -
CHECKED - KLB	REVISION -
DATE - 12/21/2020	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	3
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% LONG GROVE	100% LONG GROVE
* SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0006	0006	
*	25100630	EROSION CONTROL BLANKET	SQ YD	9,100	9,100		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100		
	28000305	TEMPORARY DITCH CHECKS	FOOT	280	280		
	28000400	PERIMETER EROSION BARRIER	FOOT	7,310	7,310		
	28000510	INLET FILTERS	EACH	1	1		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,000	2,000		
SP	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	300	300		
SP	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3,650	3,650		
	35800100	PREPARATION OF BASE	SQ YD	9,375	9,375		
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	28,460	28,460		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,620	2,850	3,770	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	100		100	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,505	2,910	595	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2,090	1,460	630	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,400		1,400	
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	4,650		4,650	

SP - SPECIAL PROVISION * SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: N.T.S.	SHEET 2 OF 5 SHEETS	STA.	TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	4
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% LONG GROVE	100% LONG GROVE
* SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0004	
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	200		200	
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	180		180	
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	180		180	
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	890	890		
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2		
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3		
	542A1057	PIPE CULVERTS, CLASS A, TYPE 2 12"	FOOT	64	64		
	542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	80	80		
	55100900	STORM SEWER REMOVAL 18"	FOOT	50	50		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	28	28		
	60108100	PIPE UNDERDRAINS, 4" (SPECIAL)	FOOT	150	150		
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	7,600	7,600		
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1		

SP - SPECIAL PROVISION * SPECIALTY ITEM

GHA GEVAULT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: N.T.S.	SHEET 3 OF 5 SHEETS	STA.	TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	5
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% LONG GROVE	100% LONG GROVE
* SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0004	
	67100100	MOBILIZATION	LSUM	1	1		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22,900	14,400	8,500	
*	A2004416	TREE, GINKGO BILOBA (GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
*	A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
SP	LR400903	FULL-DEPTH RECLAMATION, 12.0"	SQ YD	9,000	9,000		
SP	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4	4		
SP	X0323389	STORM SEWER CONNECTION	EACH	2	2		
SP	X2010510	CLEARING AND GRUBBING	LSUM	1	1		
* SP	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.75	0.75		
SP	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5		
SP	X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5		
SP	X4810200	AGGREGATE SHOULDER REMOVAL	CU YD	200	200		

SP - SPECIAL PROVISION

* SPECIALTY ITEM



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DATE - 12/21/2020

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
NORTH KRUEGER ROAD IMPROVEMENTS
SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	6
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	CONSTRUCTION CODE
					80% FEDERAL / 20% LONG GROVE	100% LONG GROVE
* SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0004
SP	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2	
SP	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	5	5	
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
SP	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
SP	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	1	1	
SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	104	104	
SP	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	5,850	3,640	2,210
SP	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	5	5	
* SP	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2	

SP - SPECIAL PROVISION

* SPECIALTY ITEM

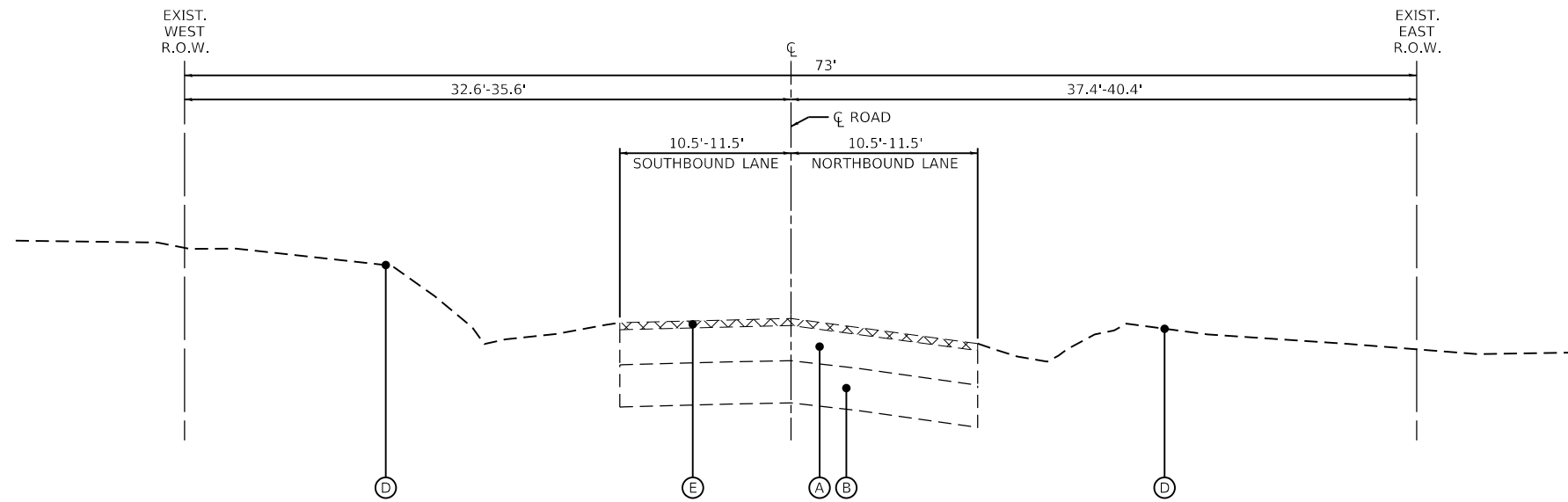
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		DATE - 12/21/2020	REVISED -

SUMMARY OF QUANTITIES			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: N.T.S.	SHEET 5 OF 5 SHEETS	STA.	TO STA.

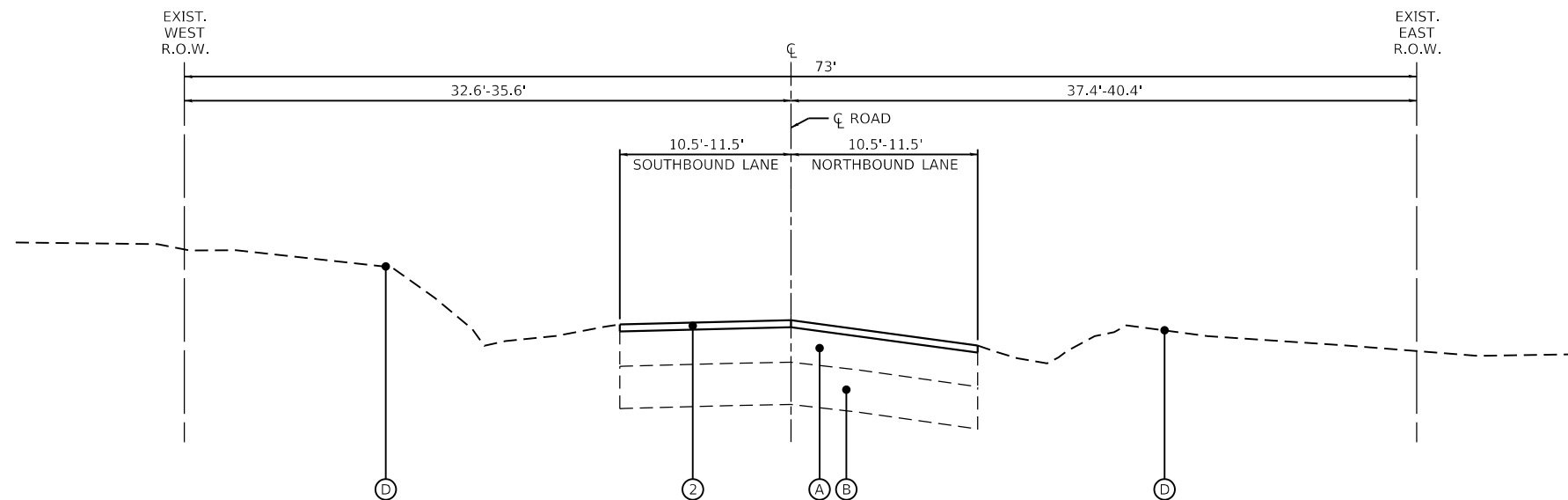
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-IV	LAKE	84	7
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

LEGEND

- (A) HMA PAVEMENT, 5"-13"
- (B) AGGREGATE SUBBASE, 3"-15"
- (C) AGGREGATE SHOULDER
- (D) EXISTING GROUND
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- (G) FULL DEPTH RECLAMATION
- (H) AGGREGATE SHOULDER REMOVAL
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (3) HMA BINDER COURSE, IL 19.0, N50 (2.25")
- (4) HMA BINDER COURSE, IL 19.0, N50 (4")
- (5) AGGREGATE SUBGRADE IMPROVEMENT (12')
- (6) AGGREGATE SHOULDERS, TYPE B, 6"
- (7) FULL-DEPTH RECLAMATION, 12"
- (8) PIPE UNDERDRAINS, TYPE 2, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
EROSION CONTROL BLANKET



KRUEGER ROAD
EXISTING TYPICAL SECTION
STA. 600+51.70 TO STA. 605+15.00



KRUEGER ROAD
PROPOSED TYPICAL SECTION
STA. 600+51.70 TO STA. 605+15.00

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DATE - 12/21/2020	REVISD -

DESIGNED - MGC	REVISD -
DRAWN - PJS	REVISD -
CHECKED - KLB	REVISD -
DATE - 12/21/2020	REVISD -

DESIGNED - MGC	REVISD -
DRAWN - PJS	REVISD -
CHECKED - KLB	REVISD -
DATE - 12/21/2020	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

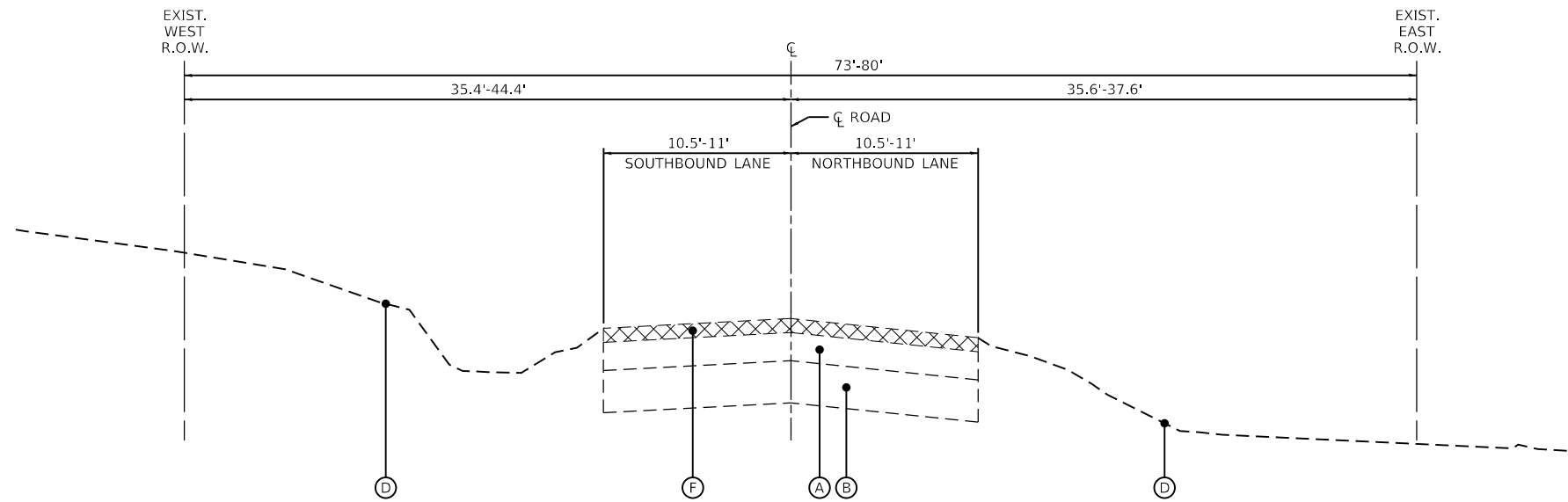
TYPICAL SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

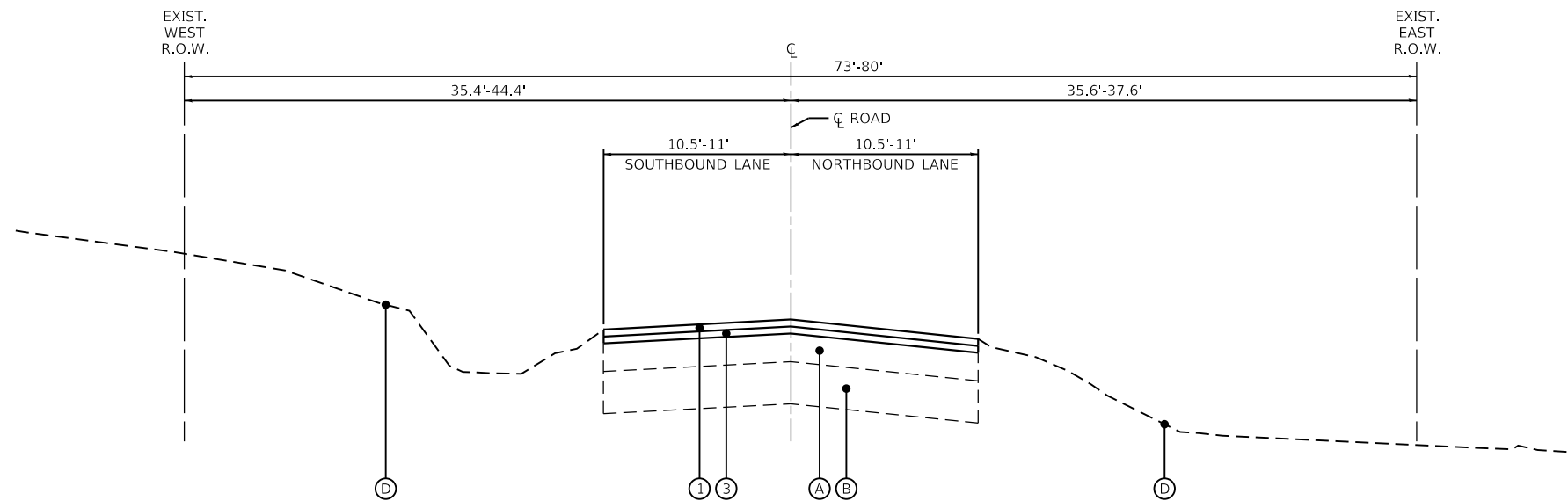
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	8
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) HMA PAVEMENT, 5"-13"
- (B) AGGREGATE SUBBASE, 3"-15"
- (C) AGGREGATE SHOULDER
- (D) EXISTING GROUND
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- (G) FULL DEPTH RECLAMATION
- (H) AGGREGATE SHOULDER REMOVAL
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (3) HMA BINDER COURSE, IL 19.0, N50 (2.25")
- (4) HMA BINDER COURSE, IL 19.0, N50 (4")
- (5) AGGREGATE SUBGRADE IMPROVEMENT (12')
- (6) AGGREGATE SHOULDERS, TYPE B, 6"
- (7) FULL-DEPTH RECLAMATION, 12"
- (8) PIPE UNDERDRAINS, TYPE 2, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
EROSION CONTROL BLANKET



**KRUEGER ROAD
EXISTING TYPICAL SECTION**
STA. 605+15.00 TO STA. 622+59.00



**KRUEGER ROAD
PROPOSED TYPICAL SECTION**
STA. 605+15.00 TO STA. 622+59.00

FILE NAME =	USER NAME = mcobb
5000-014-sh-typical 2.dgn	
5000.039	
Default	

DESIGNED - MGC	REVISD -
DRAWN - PJS	REVISD -
CHECKED - KLB	REVISD -
DATE - 12/21/2020	REVISD -

PLOT SCALE = 1:10	DATE - 12/21/2020

DESIGNED - MGC	REVISD -
DRAWN - PJS	REVISD -
CHECKED - KLB	REVISD -
DATE - 12/21/2020	REVISD -

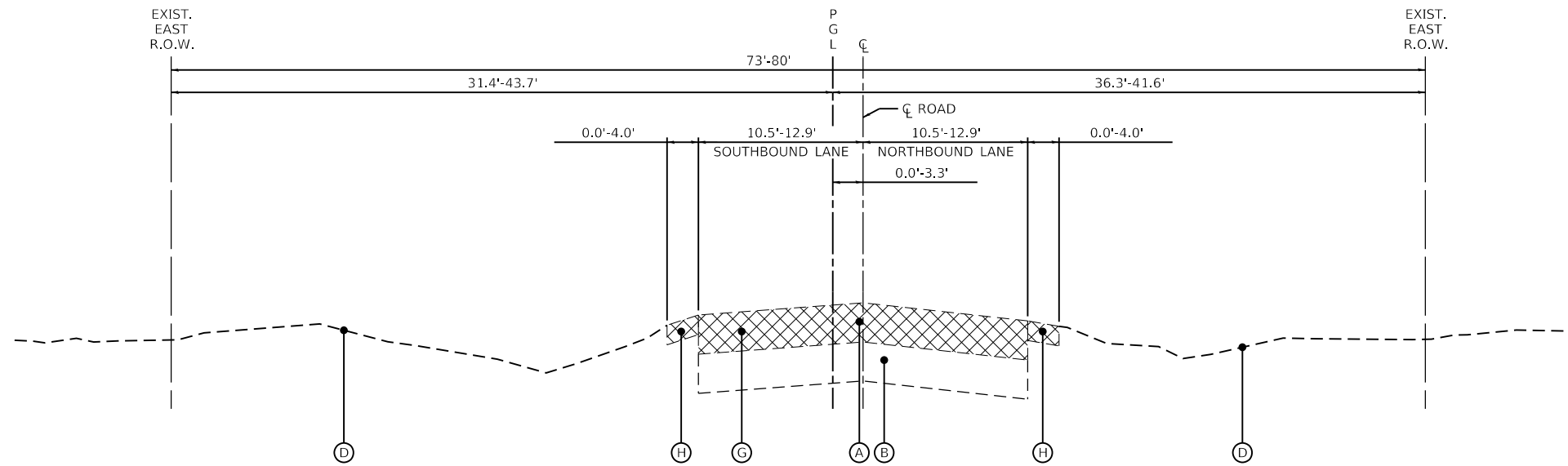
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: N.T.S.	SHEET 2 OF 3 SHEETS
STA.	TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	9
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) HMA PAVEMENT, 5"-13"
- (B) AGGREGATE SUBBASE, 3"-15"
- (C) AGGREGATE SHOULDER
- (D) EXISTING GROUND
- (E) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
- (G) FULL DEPTH RECLAMATION
- (H) AGGREGATE SHOULDER REMOVAL
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- (3) HMA BINDER COURSE, IL 19.0, N50 (2.25")
- (4) HMA BINDER COURSE, IL 19.0, N50 (4")
- (5) AGGREGATE SUBGRADE IMPROVEMENT (12')
- (6) AGGREGATE SHOULDERS, TYPE B, 6"
- (7) FULL-DEPTH RECLAMATION, 12"
- (8) PIPE UNDERDRAINS, TYPE 2, 4"
- (9) TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
EROSION CONTROL BLANKET



**KRUEGER ROAD
EXISTING TYPICAL SECTION**
STA. 622+59.00 TO STA. 658+90.00



**KRUEGER ROAD
PROPOSED TYPICAL SECTION**
STA. 622+59.00 TO STA. 658+90.00

HOT-MIX ASPHALT MIXTURE TABLE	PERCENT AIR VOIDS @Ndes
RECONSTRUCTION AND WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 Gyr
PAVEMENT RESURFACING, 2"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr
PAVEMENT RESURFACING, 4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"	4% @ 50 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"	4% @ 50 Gyr
HOT-MIX DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr
CLASS D PATCH	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 8"	4% @ 70 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 Lbs/SqYd/in
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
 THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE MIX.

FILE NAME = 5000-014-sht-typical 3.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000.039	PLOT SCALE = 1:10	DRAWN - PJS	REVISED -
Default	PLOT DATE = 12/21/2020	CHECKED - KLB	REVISED -
		DATE - 12/21/2020	REVISED -

TYPICAL SECTIONS		MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NORTH KRUEGER ROAD IMPROVEMENTS		2030	16-00010-00-PV	LAKE	84	10
SCALE: N.T.S.		SHEET 3 OF 3 SHEETS		STA. TO STA.	CONTRACT NO. 61G40	
				ILLINOIS	FED. AID PROJECT	

1 EARTHWORK SCHEDULE						
STATION			20200100		20400800	
			EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
			(CU YD)	(CU YD)	(CU YD)	(CU YD)
623+00.00	TO	623+50.00	6.58	5.60	57.62	-52.02
623+50.00	TO	624+00.00	5.56	4.73	72.24	-67.51
624+00.00	TO	624+50.00	8.66	7.36	68.20	-60.84
624+50.00	TO	625+00.00	10.05	8.54	48.14	-39.60
625+00.00	TO	625+50.00	10.67	9.07	40.25	-31.18
625+50.00	TO	626+00.00	11.65	9.90	40.94	-31.04
626+00.00	TO	626+50.00	17.06	14.50	33.19	-18.70
626+50.00	TO	627+00.00	23.24	19.75	20.41	-0.65
627+00.00	TO	627+50.00	20.33	17.28	20.31	-3.03
627+50.00	TO	628+00.00	11.12	9.45	27.53	-18.08
628+00.00	TO	628+50.00	8.64	7.34	29.77	-22.43
628+50.00	TO	629+00.00	14.69	12.49	24.56	-12.07
629+00.00	TO	629+50.00	18.53	15.75	22.48	-6.73
629+50.00	TO	630+00.00	14.58	12.40	26.37	-13.97
630+00.00	TO	630+50.00	9.15	7.78	34.01	-26.23
630+50.00	TO	631+00.00	7.51	6.38	37.40	-31.02
631+00.00	TO	631+50.00	7.81	6.63	33.48	-26.85
631+50.00	TO	632+00.00	11.83	10.06	24.50	-14.44
632+00.00	TO	632+50.00	19.10	16.24	16.07	0.16
632+50.00	TO	633+00.00	22.49	19.12	15.90	3.22
633+00.00	TO	633+50.00	19.14	16.27	18.82	-2.56
633+50.00	TO	634+00.00	11.25	9.56	17.29	-7.72
634+00.00	TO	634+50.00	7.06	6.01	13.27	-7.26
634+50.00	TO	635+00.00	15.94	13.54	13.60	-0.06
635+00.00	TO	635+50.00	18.73	15.92	23.55	-7.62
635+50.00	TO	636+00.00	11.52	9.79	33.92	-24.13
636+00.00	TO	636+50.00	9.33	7.93	38.51	-30.58
636+50.00	TO	637+00.00	9.83	8.36	34.45	-26.10
637+00.00	TO	637+50.00	14.27	12.13	24.23	-12.10
637+50.00	TO	638+00.00	19.97	16.98	19.12	-2.14
638+00.00	TO	638+50.00	22.05	18.74	17.86	0.88
638+50.00	TO	639+00.00	20.81	17.69	15.92	1.78
639+00.00	TO	639+50.00	15.07	12.81	15.74	-2.93
639+50.00	TO	640+00.00	9.03	7.67	21.39	-13.72
640+00.00	TO	640+50.00	9.44	8.02	24.66	-16.64
640+50.00	TO	641+00.00	13.84	11.77	20.75	-8.98

1 EARTHWORK SCHEDULE						
STATION			20200100		20400800	
			EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
			(CU YD)	(CU YD)	(CU YD)	(CU YD)
641+00.00	TO	641+50.00	15.48	13.16	15.20	-2.04
641+50.00	TO	642+00.00	11.13	9.46	18.61	-9.15
642+00.00	TO	642+50.00	15.85	13.47	16.12	-2.65
642+50.00	TO	643+00.00	17.62	14.98	12.85	2.13
643+00.00	TO	643+50.00	14.01	11.91	21.84	-9.93
643+50.00	TO	644+00.00	19.86	16.88	24.09	-7.21
644+00.00	TO	644+50.00	22.58	19.20	22.06	-2.86
644+50.00	TO	645+00.00	17.10	14.54	24.39	-9.85
645+00.00	TO	645+50.00	11.91	10.12	26.83	-16.71
645+50.00	TO	646+00.00	22.57	19.19	25.89	-6.70
646+00.00	TO	646+50.00	43.53	37.00	26.20	10.79
646+50.00	TO	647+00.00	67.27	57.18	27.95	29.22
647+00.00	TO	647+50.00	72.82	61.90	27.19	34.71
647+50.00	TO	648+00.00	53.83	45.76	24.81	20.94
648+00.00	TO	648+50.00	28.34	24.09	26.10	-2.01
648+50.00	TO	649+00.00	11.42	9.70	31.08	-21.38
649+00.00	TO	649+50.00	9.28	7.89	37.07	-29.19
649+50.00	TO	650+00.00	9.50	8.08	42.42	-34.34
650+00.00	TO	650+50.00	11.05	9.39	36.52	-27.13
650+50.00	TO	651+00.00	12.85	10.92	27.45	-16.53
651+00.00	TO	651+50.00	11.89	10.11	26.11	-16.01
651+50.00	TO	652+00.00	10.57	8.99	28.03	-19.04
652+00.00	TO	652+50.00	10.31	8.76	35.35	-26.59
652+50.00	TO	653+00.00	10.21	8.68	38.02	-29.34
653+00.00	TO	653+50.00	10.14	8.62	29.95	-21.34
653+50.00	TO	654+00.00	10.90	9.26	22.19	-12.92
654+00.00	TO	654+50.00	11.94	10.14	19.19	-9.05
654+50.00	TO	655+00.00	11.89	10.11	19.79	-9.68
655+00.00	TO	655+50.00	11.44	9.73	24.09	-14.36
655+50.00	TO	656+00.00	11.30	9.60	27.96	-18.36
656+00.00	TO	656+50.00	10.34	8.79	30.62	-21.83
656+50.00	TO	657+00.00	10.35	8.80	33.28	-24.48
657+00.00	TO	657+50.00	11.26	9.57	26.44	-16.87
657+50.00	TO	658+00.00	11.59	9.85	14.96	-5.11
658+00.00	TO	658+50.00	13.56	11.53	7.71	3.82
Total:			1142.2	970.9	1944.9	-974.0



MODEL: Default
FILE NAME: 5000-014-sht-schedule_0.dgn

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sht-schedule_0.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
Default		DATE - 12/21/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	11
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

2	SCHEDULE OF TREE REMOVALS							
	ROAD	STATION	OFFSET	RT/LT	SURVEYED DIAMETER	ESTIMATED GROWTH	20100110	20100210
							TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
							INCHES	UNIT
KRUEGER ROAD	622+85.53	23.08'	RT	9	2	11		
KRUEGER ROAD	622+99.67	22.95'	RT	7	2	9		
KRUEGER ROAD	623+33.15	23.15'	RT	5	2	7		
KRUEGER ROAD	625+27.54	23.64'	RT	14	2		16	
KRUEGER ROAD	625+29.94	24.4'	RT	15	2		17	
KRUEGER ROAD	625+89.64	25.85'	RT	6	2	8		
KRUEGER ROAD	628+53.26	25.49'	LT	15	2		17	
KRUEGER ROAD	628+92.76	26.46'	LT	13	2	15		
KRUEGER ROAD	629+36.06	24.94'	LT	13	2	15		
KRUEGER ROAD	629+43.74	24.91'	LT	9	2	11		
KRUEGER ROAD	629+66.49	22.68'	LT	3	2	5		
KRUEGER ROAD	629+79.45	25.58'	LT	10	2	12		
KRUEGER ROAD	635+23.27	18.82'	LT	3	2	5		
KRUEGER ROAD	645+63.47	19.64'	LT	3	2	5		
KRUEGER ROAD	646+03.25	16.96'	LT	4	2	6		
KRUEGER ROAD	647+67.97	34.28'	RT	5	2	7		
KRUEGER ROAD	657+86.67	24.26'	RT	4	2	6		
KRUEGER ROAD	658+12.53	21.86'	RT	4	2	6		
TOTAL							128	50

3	SCHEDULE OF PROPOSED TREES							
	ROAD	STATION	OFFSET	RT/LT	A2004416	A2005016	A2006516	A2007116
					GINKGO BILOBA (GINKO)	GYMNOCLADUS DIOICUS (KENTUCKY COFFE TREE)	QUERCUS BICOLOR (SWAMP WHITE OAK)	QUERCUS RUBRA (RED OAK)
					EACH	EACH	EACH	EACH
KRUEGER ROAD	622+85.00	24.00'	RT				1	
KRUEGER ROAD	623+10.00	24.00'	RT			1		
KRUEGER ROAD	623+35.00	24.00'	RT		1			
KRUEGER ROAD	625+00.00	24.00'	RT	1				
KRUEGER ROAD	625+25.00	24.00'	RT				1	
KRUEGER ROAD	625+75.00	24.00'	RT			1		
KRUEGER ROAD	628+50.00	24.00'	RT		1			
KRUEGER ROAD	628+75.00	24.00'	RT	1				
KRUEGER ROAD	629+00.00	24.00'	RT				1	
KRUEGER ROAD	629+50.00	24.00'	RT			1		
KRUEGER ROAD	629+75.00	24.00'	RT		1			
TOTAL					2	3	3	3

FILE NAME = 5000-014-sht-schedule_1.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000.039	PLOT SCALE = 1:2	DRAWN - PJS	REVISED -
Default	PLOT DATE = 1/12/2021	CHECKED - KLB	REVISED -
		DATE - 12/21/2020	REVISED -

SCHEDULE OF QUANTITIES			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA.	TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	12
			CONTRACT NO. 61G40	
		ILLINOIS FED. AID PROJECT		

4

SCHEDULE OF EROSION CONTROL RELATED ITEMS

ROADWAY	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	DESCRIPTION	20101100	28000305	28000400	28000510
								TREE TRUNK PROTECTION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET FILTERS
								EACH	FOOT	FOOT	EACH
KRUEGER ROAD	622+14.09	9.64'	LT	622+32.31	36.35'	LT	PERIMETER EROSION BARRIER			34	
KRUEGER ROAD	622+26.54	11.98'	RT	633+95.53	52.90'	RT	PERIMETER EROSION BARRIER			1182	
KRUEGER ROAD	622+34.30	22.67'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	622+36.86	30.42'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	622+54.00	24.91'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	622+60.21	36.67'	LT	641+99.70	38.19'	LT	PERIMETER EROSION BARRIER			1943	
KRUEGER ROAD	622+64.29	29.68'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	623+04.69	32.08'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	623+59.96	23.72'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	623+71.91	23.99'	LT				INLET FILTERS				1
KRUEGER ROAD	623+90.00	24.57'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	623+90.00	28.97'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	624+42.56	34.37'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	624+94.94	35.39'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	624+98.13	31.62'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+28.80	35.76'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+40.02	22.40'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	625+41.67	31.53'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+45.68	27.26'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+47.38	23.48'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+57.12	35.01'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+64.65	32.92'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+83.16	33.85'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	625+88.98	33.88'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+27.59	35.09'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+39.82	29.84'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+44.60	36.04'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+61.66	25.98'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+90.00	23.27'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	626+98.50	31.54'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	626+98.60	36.00'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	627+47.85	33.30	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	627+83.84	33.55'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	627+90.00	21.93'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+03.63	24.30'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+16.65	27.39'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+18.48	33.78'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+25.34	22.80'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+28.98	32.91'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+33.45	30.10'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+37.54	27.00'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+48.59	27.27'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+53.71	27.96'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+60.62	28.49'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+73.04	27.28	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	628+98.96	39.87	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	629+00.41	27.75'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	629+16.38	29.21'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	629+21.80	37.33'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	629+40.00	22.62	LT				TEMPORARY DITCH CHECKS		10		



MODEL: Default
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USER NAME = mcobb
PLOT SCALE = 1:2
PLOT DATE = 1/12/2021

DESIGNED - MGC
DRAWN - PJS
CHECKED - KLB
DATE - 12/21/2020

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-0010-00-PV	LAKE	84	13
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

4

SCHEDULE OF EROSION CONTROL RELATED ITEMS

ROADWAY	FROM STATION	OFFSET	RT/LT	TO STATION	OFFSET	RT/LT	DESCRIPTION	20101100	28000305	28000400	28000510
								TREE TRUNK PROTECTION	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET FILTERS
								EACH	FOOT	FOOT	EACH
KRUEGER ROAD	629+62.02	39.63'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	629+99.65	34.53'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	630+07.93	29.01'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	630+17.25	26.17'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	630+72.15	25.04'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	630+88.12	26.40'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	630+90.00	22.51'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	630+94.06	26.71'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	631+05.49	33.12'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	631+08.22	26.28'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	631+69.46	22.41'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	631+90.00	22.62'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	632+40.01	21.74'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	632+64.06	24.88'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	633+40.01	21.86'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	634+09.99	23.28'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	634+19.81	51.60'	RT	658+89.83	27.76'	RT	PERIMETER EROSION BARRIER			2486	
KRUEGER ROAD	634+70.49	64.23'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	634+75.59	22.31'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	635+59.99	23.92'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	636+60.00	25.59'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	636+90.00	23.33'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	639+10.00	22.01'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	639+60.00	22.39'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	641+10.00	23.20'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	642+08.00	40.07'	LT	642+15.26	41.71'	LT	PERIMETER EROSION BARRIER			7	
KRUEGER ROAD	642+40.95	41.69'	LT	642+43.86	38.53'	LT	PERIMETER EROSION BARRIER			4	
KRUEGER ROAD	642+48.48	33.52'	LT	658+89.15	25.96'	LT	PERIMETER EROSION BARRIER			1652	
KRUEGER ROAD	642+60.00	22.95'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	644+10.00	24.55'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	645+60.00	24.42'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	645+60.00	26.69'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	647+10.00	26.68'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	647+10.00	31.21'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	648+19.87	23.91'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	648+60.00	22.34'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	648+60.00	24.59'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	648+89.12	29.66'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	649+08.83	28.89'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	650+40.00	25.31'	RT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	651+05.21	24.87'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	653+58.02	31.66'	LT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	653+63.22	37.01'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	653+90.01	21.35'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	653+94.33	36.37'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	654+34.70	33.30'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	656+10.00	21.17'	LT				TEMPORARY DITCH CHECKS		10		
KRUEGER ROAD	656+70.96	35.92'	RT				TREE TRUNK PROTECTION	1			
KRUEGER ROAD	658+47.24	26.50'	RT				TREE TRUNK PROTECTION	1			
TOTAL								63	280	7310	1



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PLOT SCALE = 1:2
PLOT DATE = 1/12/2021

DESIGNED - MGC
DRAWN - PJS
CHECKED - KLB
DATE - 12/21/2020

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES
NORTH KRUEGER ROAD IMPROVEMENTS
SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-0010-00-PV	LAKE	84	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G40	



BENCHMARK:
SOURCE BENCHMARK: (REF. BM 4-19B)
NAIL IN NORTH FACE OF UTILITY POLE
LOCATED AT THE SOUTH SIDE OF
ILLINOIS ROUTE 22 ± 50' EAST OF
CENTERLINE OF KRUEGER ROAD.

DATUM: NAVD 88 ELEVATION: 745.60
(LAKE COUNTY BENCHMARK)

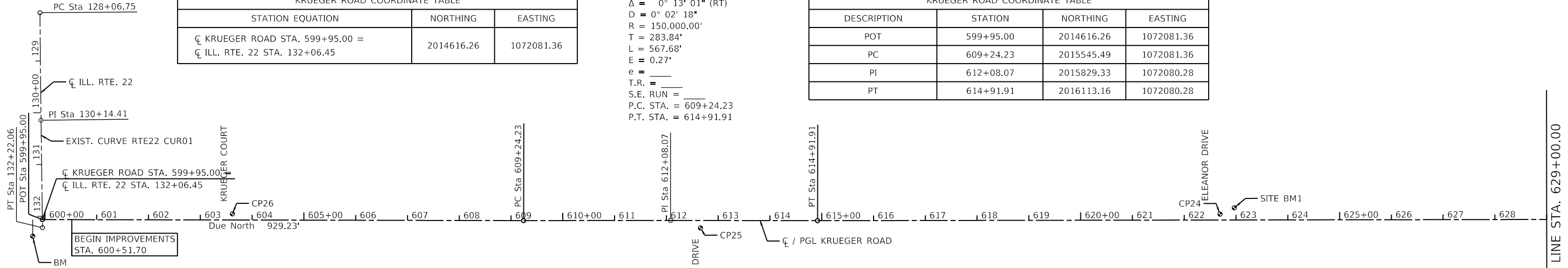
EXIST. CURVE RTE22_CUR01
PI STA. = 130+14.41
Δ = 0° 25' 58" (LT)
D = 0° 06' 15"
R = 55,000.00'
T = 207.66'
L = 415.31'
E = 0.39'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 128+06.75
P.T. STA. = 132+22.06

ILL. RTE. 22 COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT/PC	128+06.75	2014610.73	1071681.70
PI	130+14.41	2014612.85	1071889.34
POT/PT	132+22.06	2014616.53	1072096.97

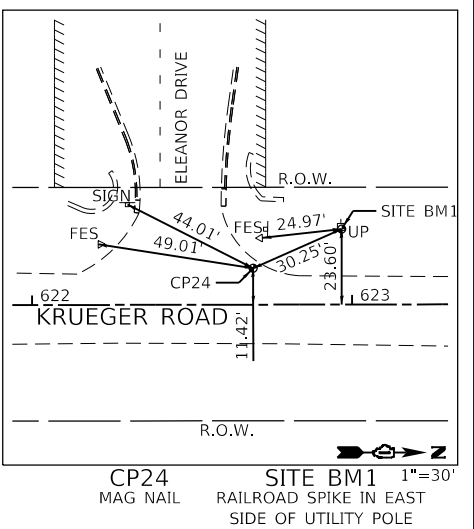
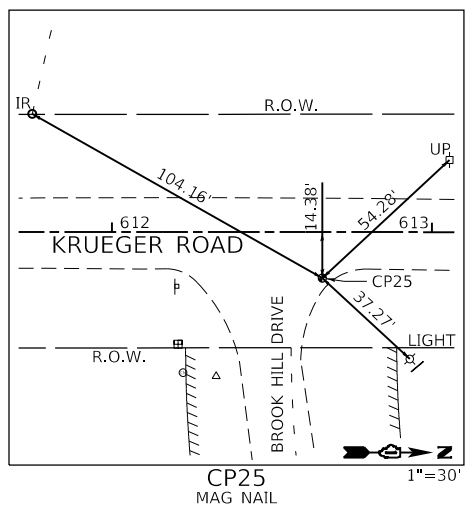
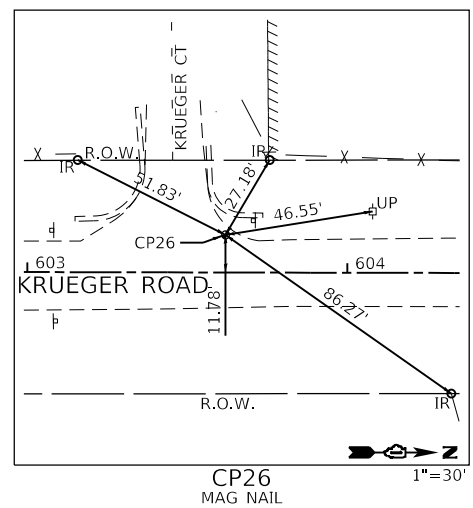
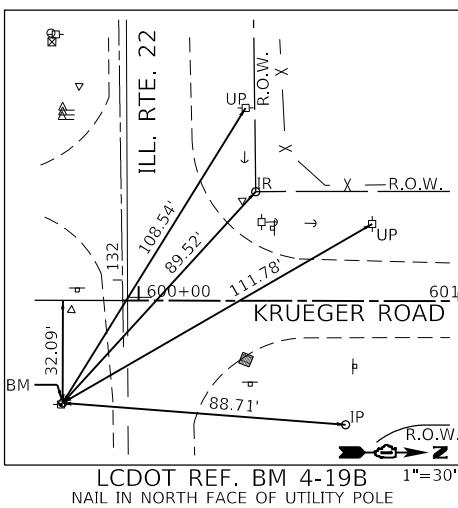
KRUEGER ROAD COORDINATE TABLE		
STATION EQUATION	NORTHING	EASTING
☐ KRUEGER ROAD STA. 599+95.00 = ☐ ILL. RTE. 22 STA. 132+06.45	2014616.26	1072081.36

PROP. CURVE KRUEGER_PRCL_3
PI STA. = 612+08.07
Δ = 0° 13' 01" (RT)
D = 0° 02' 18"
R = 150,000.00'
T = 283.84'
L = 567.68'
E = 0.27'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 609+24.23
P.T. STA. = 614+91.91

KRUEGER ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	599+95.00	2014616.26	1072081.36
PC	609+24.23	2015545.49	1072081.36
PI	612+08.07	2015829.33	1072080.28
PT	614+91.91	2016113.16	1072080.28



CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
BM	745.60	599+76.27	32.09' RT	2014597.53	1072113.45
CP26	759.82	603+61.93	11.77' LT	2014983.19	1072069.58
CP25	747.46	612+65.75	14.38' RT	2015887.03	1072094.83
CP24	739.85	622+69.09	11.42' LT	2016890.30	1072065.92
SITE BM1	739.46	622+96.78	23.60' LT	2016917.94	1072053.64



GHA GEWALT HAMILTON ASSOCIATES, INC.
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Default		DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

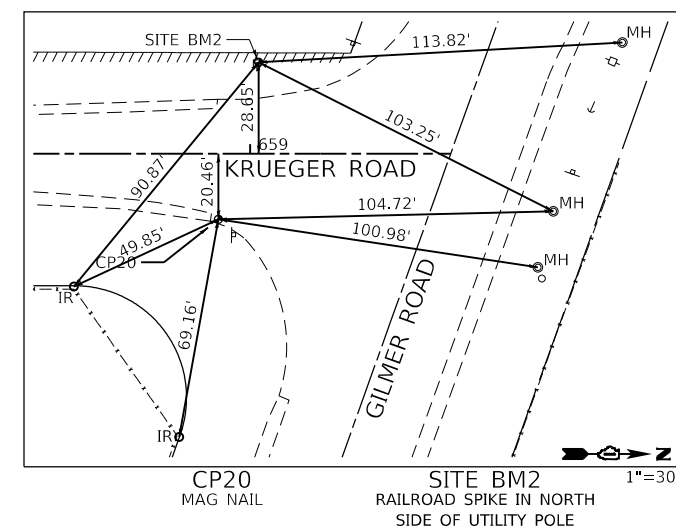
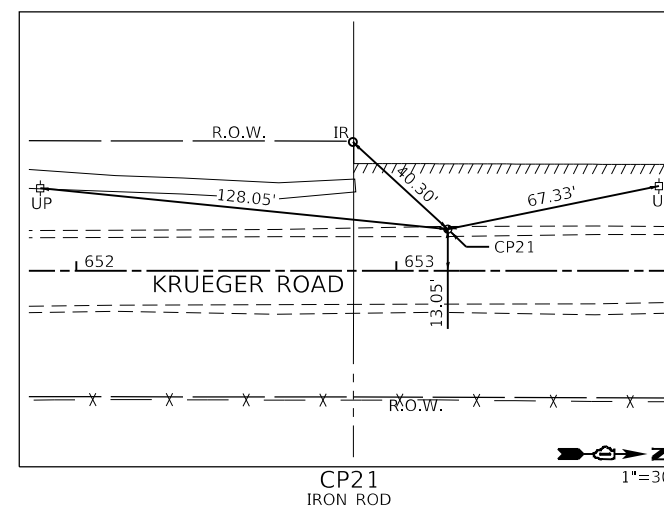
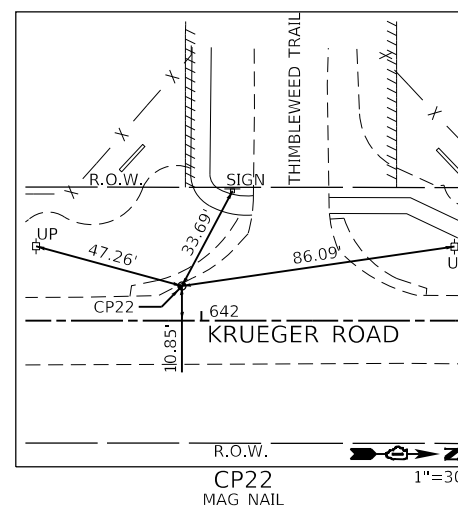
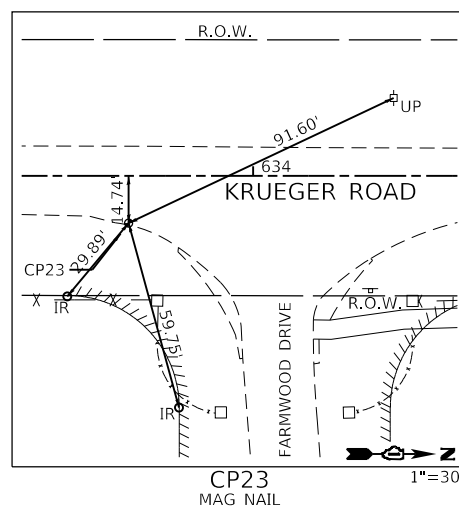
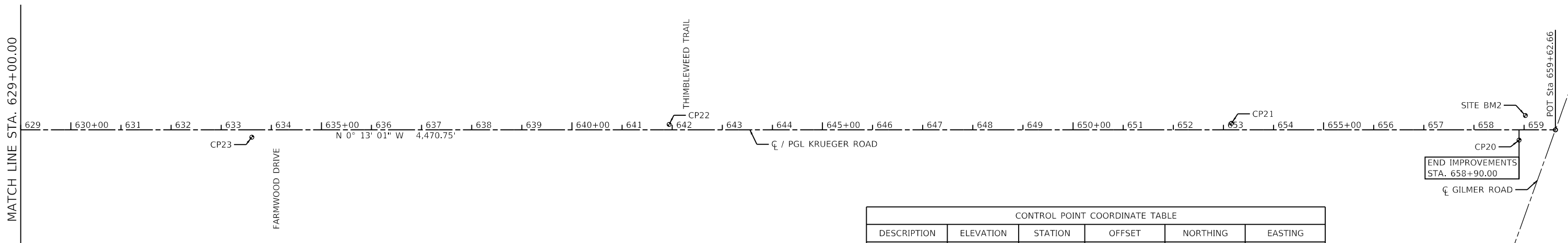
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NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=100'	SHEET 1 OF 2 SHEETS	STA. 600+00.00	TO STA. 629+00.00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	15
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 629+00.00

KRUEGER ROAD COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	659+62.66	2020583.88	1072063.36

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP23	753.41	633+61.09	14.74' RT	2017982.39	1072087.95
CP22	746.68	641+93.93	10.85' LT	2018815.13	1072059.21
CP21	739.51	653+16.09	13.05' LT	2019937.27	1072052.76
CP20	737.46	658+90.08	20.46' RT	2020511.38	1072084.10
SITE BM2	738.02	659+02.65	28.65' LT	2020523.76	1072034.94



GHA GEWALT HAMILTON ASSOCIATES, INC.
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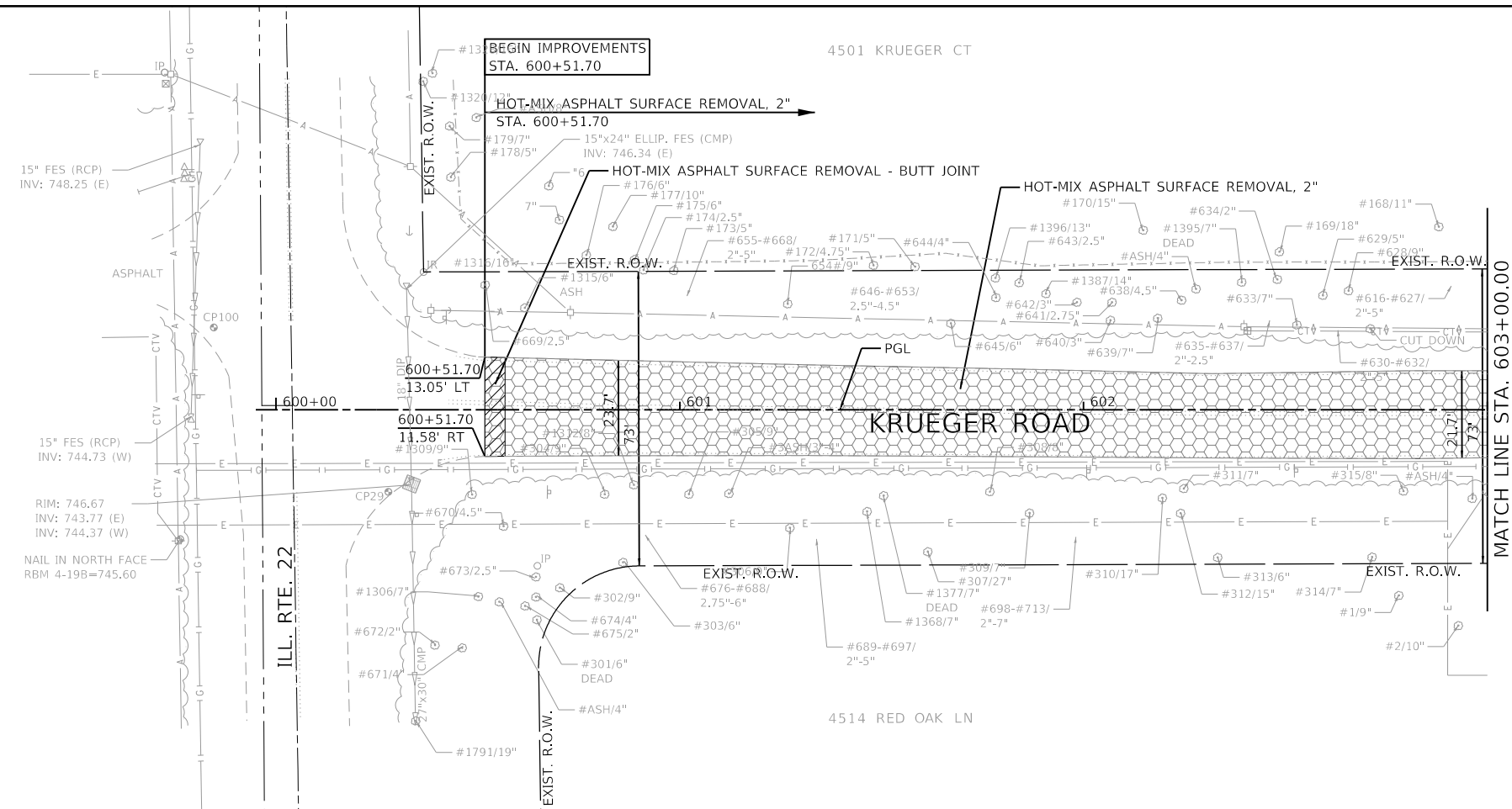
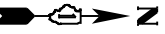
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5000-014-ent-ATB 2.dgn		DRAWN - PJS	REVISED -
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Default		DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARK
 NORTH KRUEGER ROAD IMPROVEMENTS**

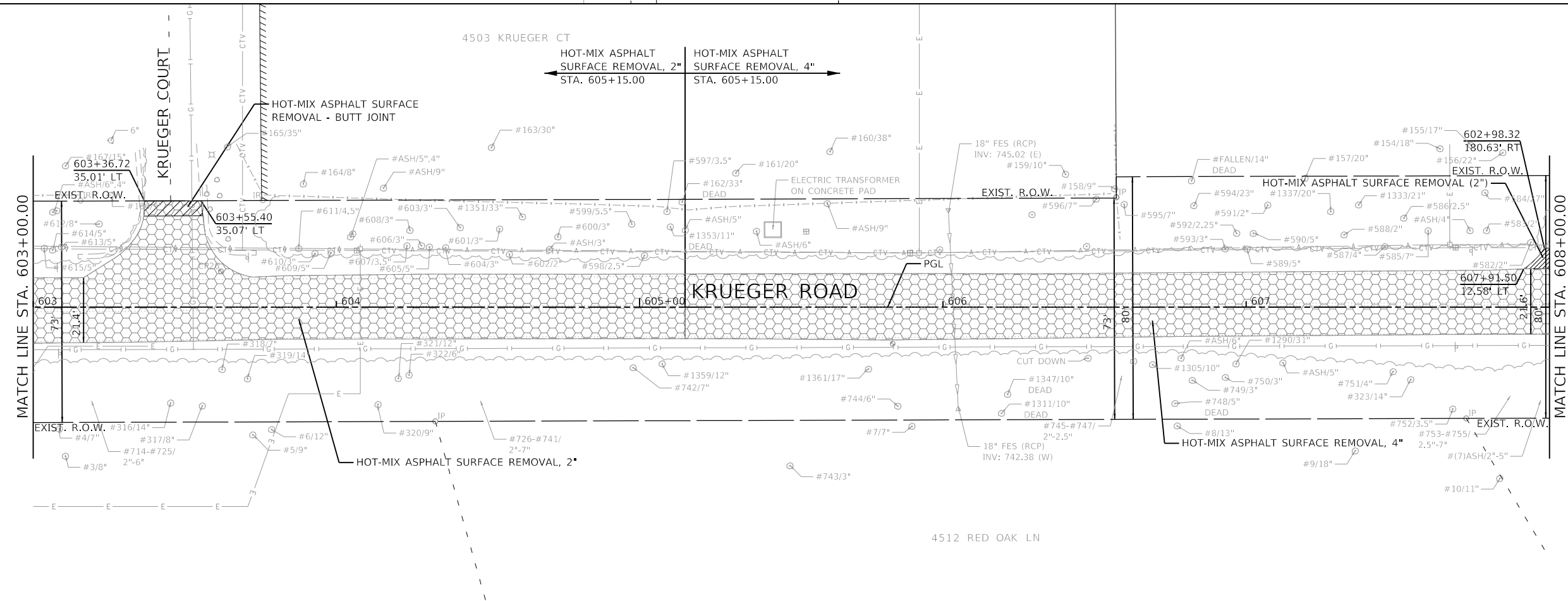
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MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	16
CONTRACT NO. 61G40				
ILLINOIS		FED. AID PROJECT		



LEGEND

	PAVEMENT RECLAMATION
	HOT-MIX ASPHALT SURFACE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL (2")
	AGGREGATE SHOULDER REMOVAL
	CLEARING AND GRUBBING
	LIMITS OF CONSTRUCTION
	TREE REMOVAL



GHA GEWALT HAMILTON ASSOCIATES, INC.
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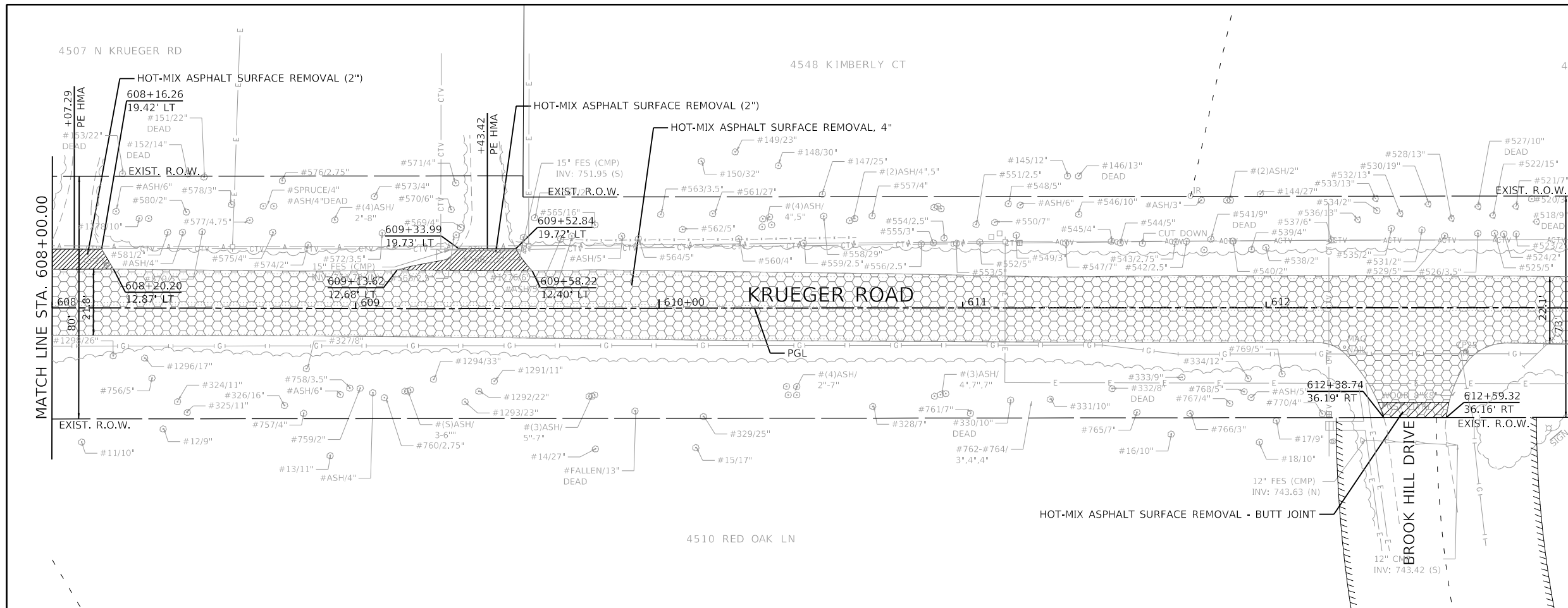
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS

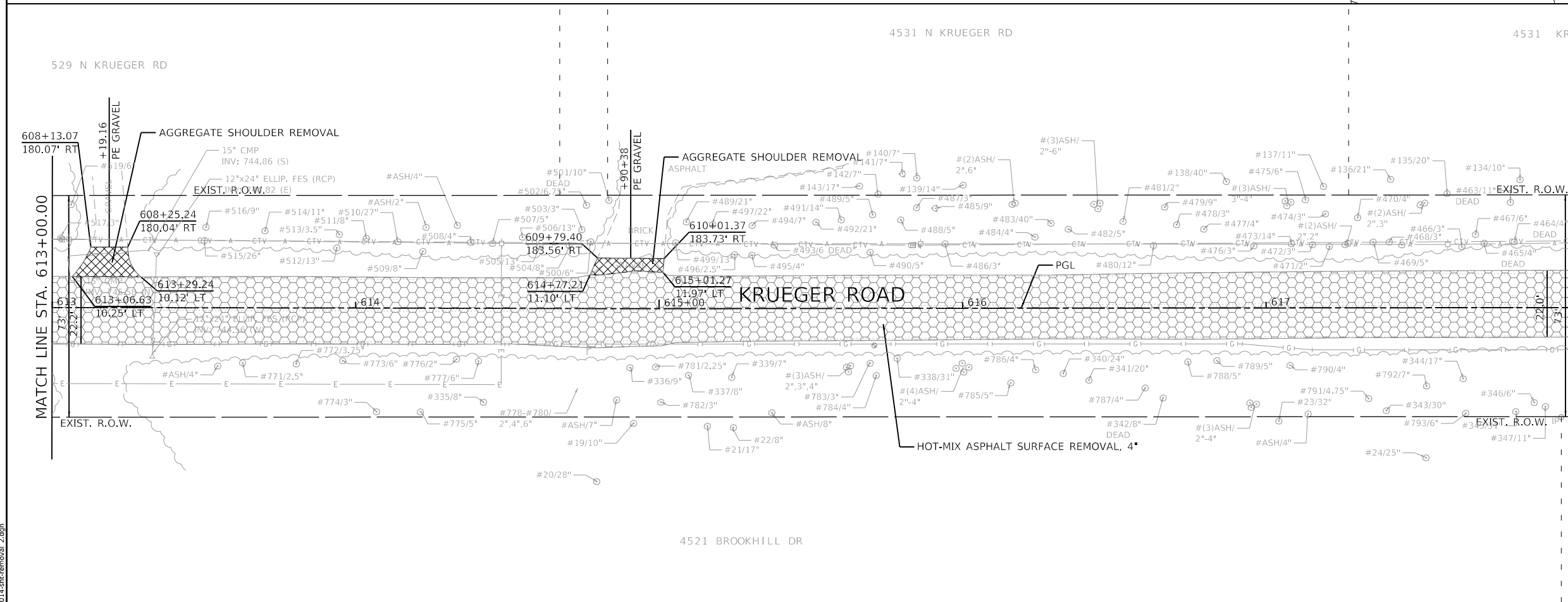
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 STA. 600+00.00 TO STA. 608+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	17
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



LEGEND

	PAVEMENT RECLAMATION
	HOT-MIX ASPHALT SURFACE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL (2")
	AGGREGATE SHOULDER REMOVAL
	CLEARING AND GRUBBING
	LIMITS OF CONSTRUCTION
	TREE REMOVAL



GHA GEWALT HAMILTON ASSOCIATES, INC.
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

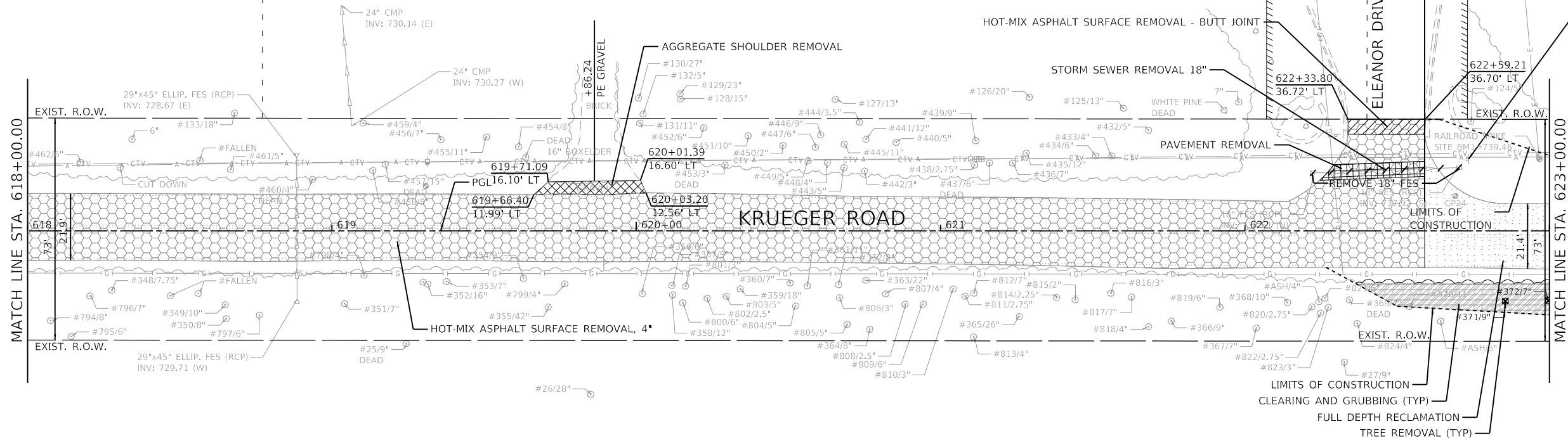
REMOVAL PLANS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: 1"=20'	SHEET 2 OF 7 SHEETS
STA. 608+00.00	TO STA. 618+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	18
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				









UEGER RN

4533 ELEANOR DR

HOT-MIX ASPHALT SURFACE REMOVAL, 4" STA. 622+59.00
FULL DEPTH RECLAMATION STA. 622+59.00

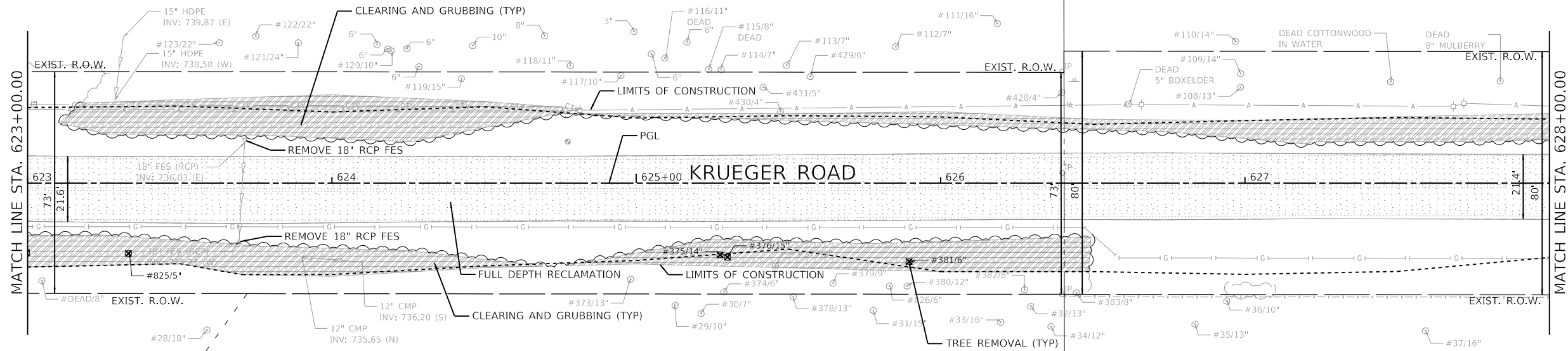


LEGEND

-  PAVEMENT RECLAMATION
-  HOT-MIX ASPHALT SURFACE REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL (2")
-  AGGREGATE SHOULDER REMOVAL
-  CLEARING AND GRUBBING
-  LIMITS OF CONSTRUCTION
-  TREE REMOVAL

4523 RED OAK LN

4530 ELEANOR DR



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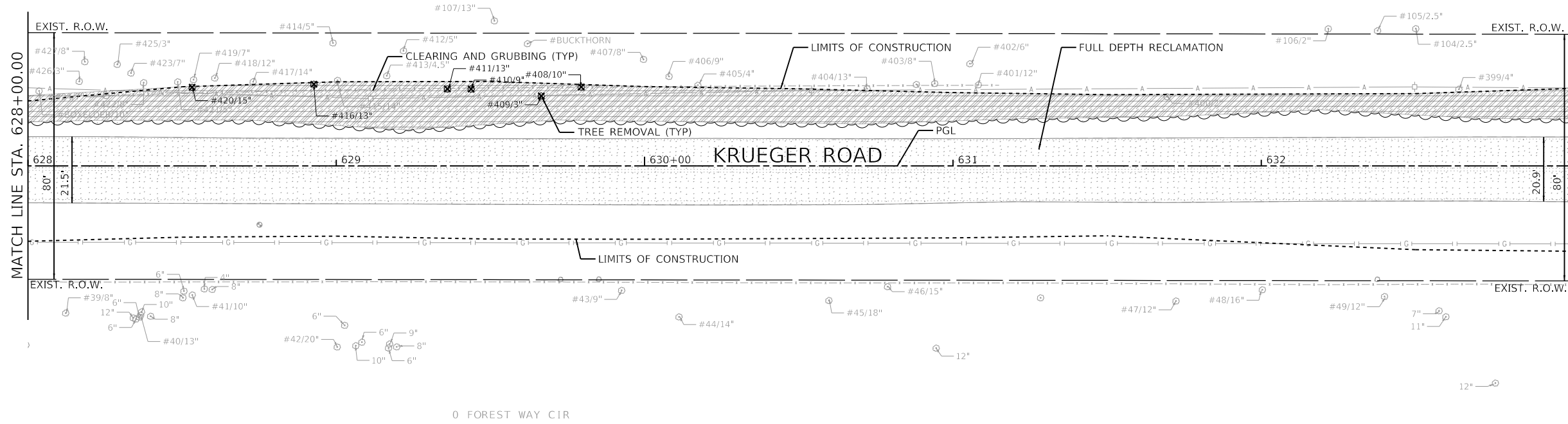
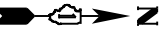
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DRAWN -	PJS	REVISED -	
CHECKED -	KLB	REVISED -	
DATE -	12/21/2020	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 3 OF 7 SHEETS	STA. 618+00.00	TO STA. 628+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	19
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

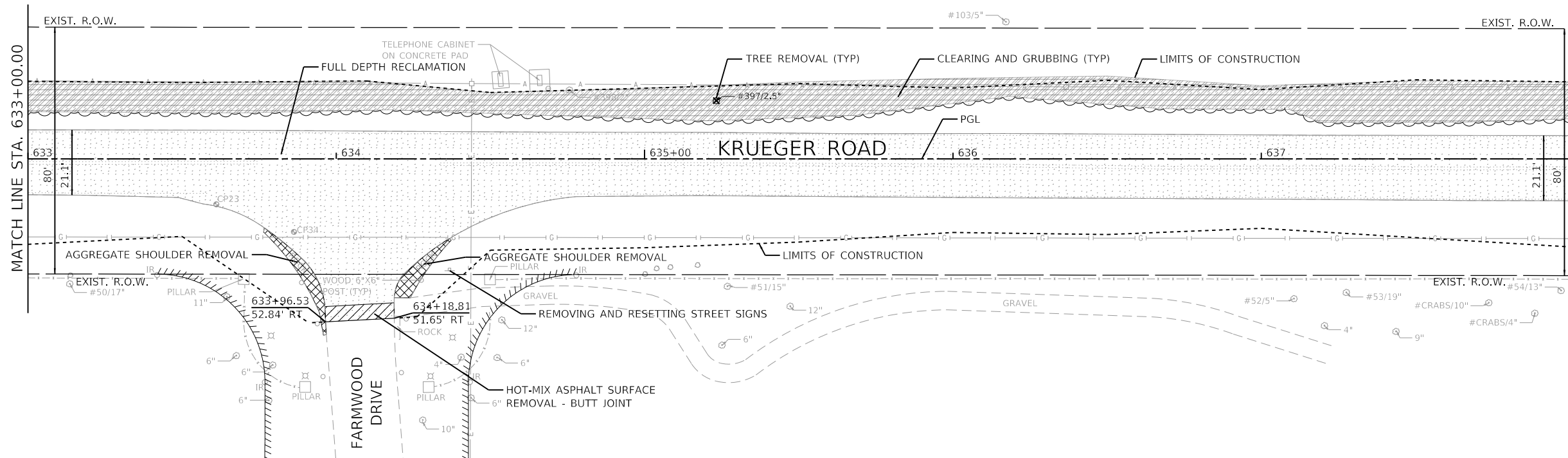
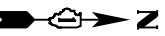




LEGEND

	PAVEMENT RECLAMATION
	HOT-MIX ASPHALT SURFACE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL (2")
	AGGREGATE SHOULDER REMOVAL
	CLEARING AND GRUBBING
	LIMITS OF CONSTRUCTION
	TREE REMOVAL

0 FOREST WAY CIR



FILE NAME = 5000-014-sht-removal 4.dgn
 USER NAME = mcobb
 DESIGNED - MGC
 DRAWN - PJS
 CHECKED - KLB
 DATE - 12/21/2020

PLOT SCALE = 1:40
 PLOT DATE = 12/21/2020

REVISIED -
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 REVISIED -

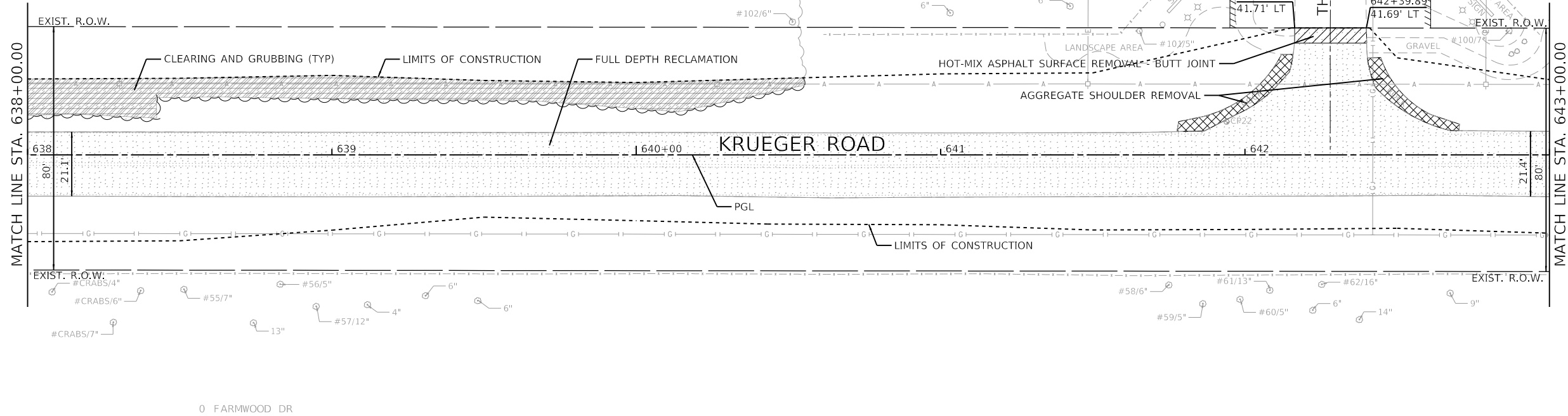
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: 1"=20'
 SHEET 4 OF 7 SHEETS
 STA. 628+00.00 TO STA. 638+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	20
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

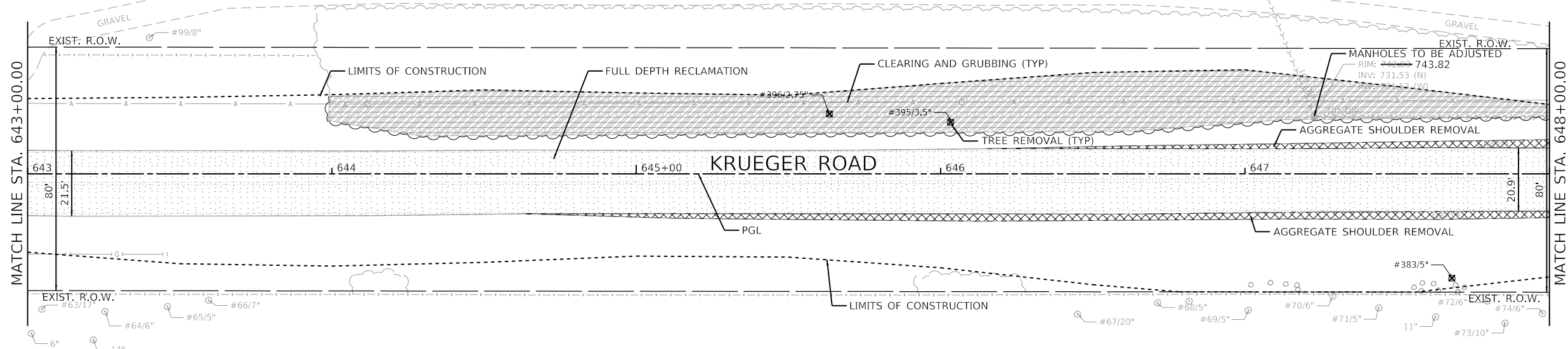
4800 N KRUEGER RD



LEGEND

	PAVEMENT RECLAMATION
	HOT-MIX ASPHALT SURFACE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL (2")
	AGGREGATE SHOULDER REMOVAL
	CLEARING AND GRUBBING
	LIMITS OF CONSTRUCTION
	TREE REMOVAL

4800 N KRUEGER RD



GHA GEWALT HAMILTON ASSOCIATES, INC.

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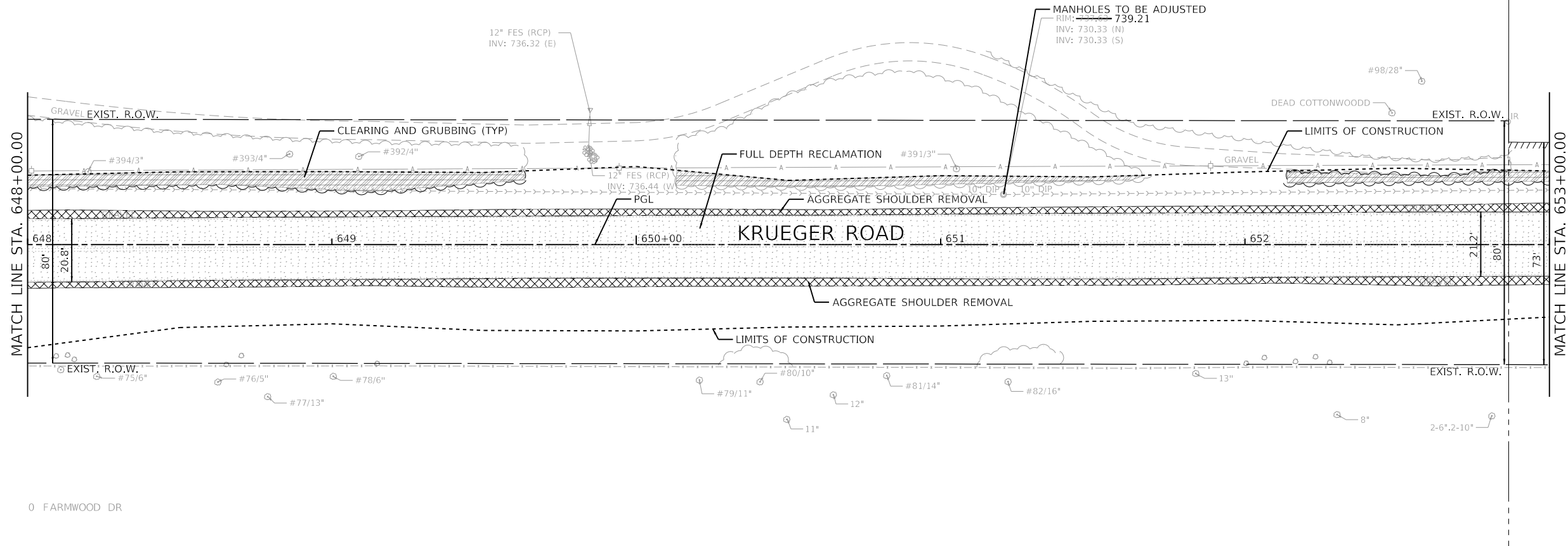
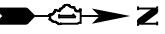
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5000-014-shr-removal_5.dgn		DRAWN - PJS	REVISED -
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Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 5 OF 7 SHEETS	STA. 638+00.00 TO STA. 648+00.00	

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	21
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

4800 N KRUEGER RD

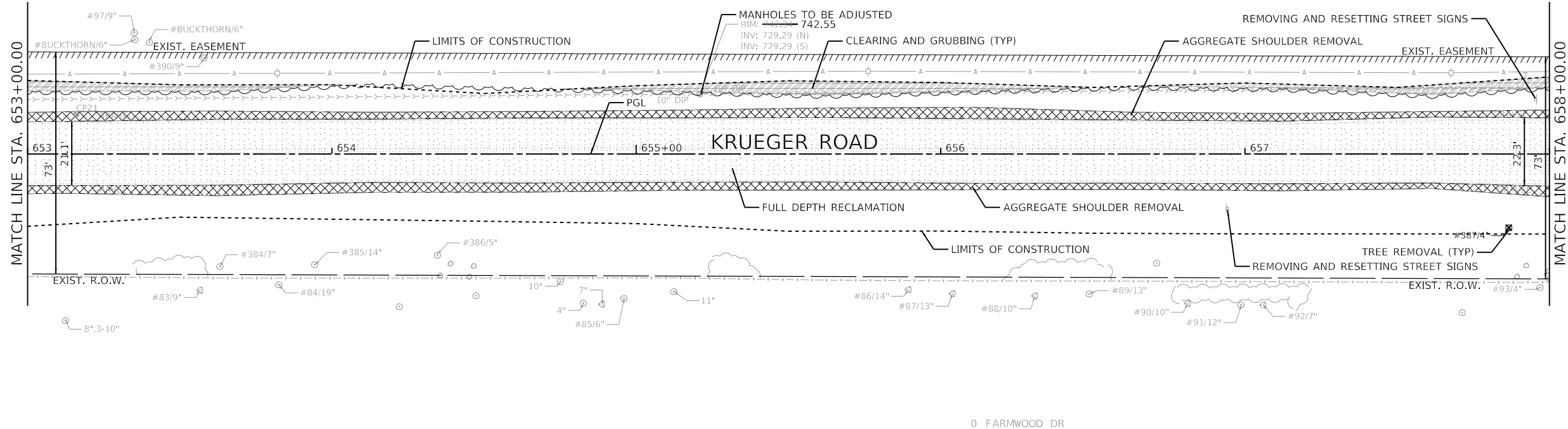
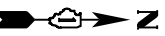


LEGEND

- PAVEMENT RECLAMATION
- HOT-MIX ASPHALT SURFACE REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL (2")
- AGGREGATE SHOULDER REMOVAL
- CLEARING AND GRUBBING
- LIMITS OF CONSTRUCTION
- TREE REMOVAL

0 FARMWOOD DR

24150 N GILMER RD



0 FARMWOOD DR

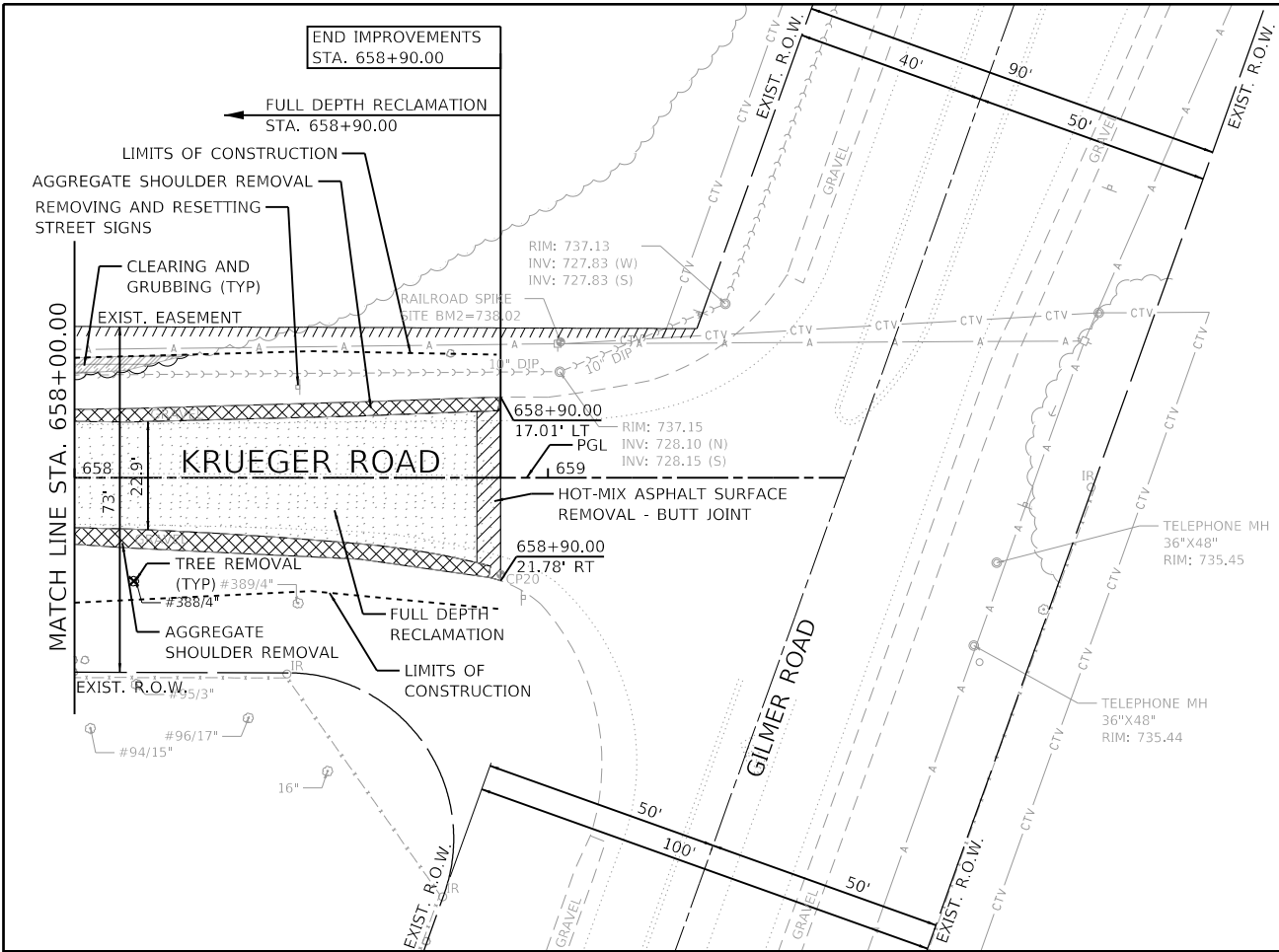


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Default	PLOT DATE = 12/21/2020	CHECKED - KLB	REVISED -
		DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 6 OF 7 SHEETS	STA. 648+00.00	TO STA. 658+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	22
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



LEGEND

	PAVEMENT RECLAMATION
	HOT-MIX ASPHALT SURFACE REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL (2")
	AGGREGATE SHOULDER REMOVAL
	CLEARING AND GRUBBING
	LIMITS OF CONSTRUCTION
	TREE REMOVAL

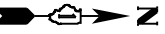
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-removal 7.dgn

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5000-014-sht-removal 7.dgn		DRAWN - PJS	REVISED -
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Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

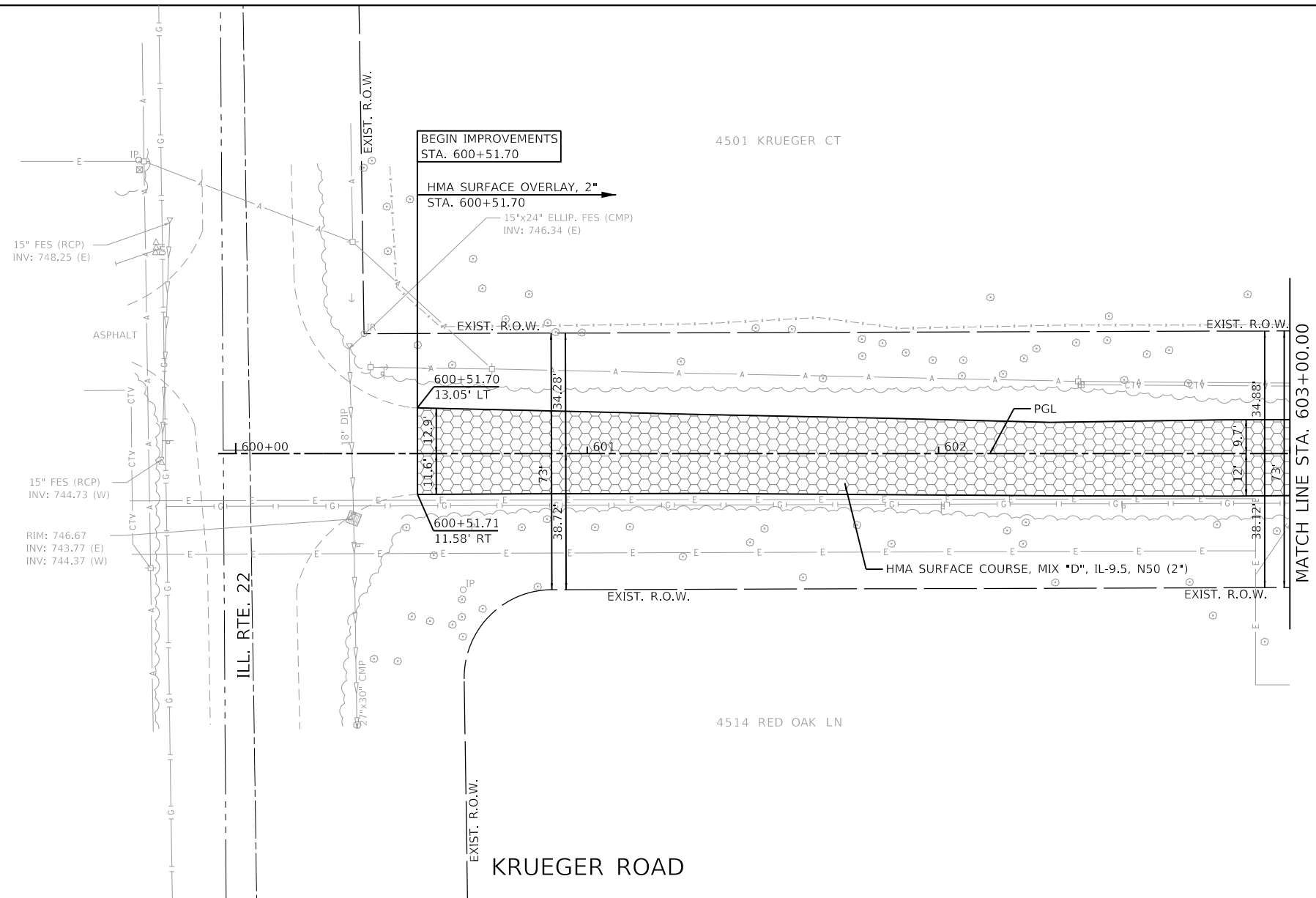
REMOVAL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 7 OF 7 SHEETS	STA. 658+00.00 TO STA. 659+62.66	

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G40	



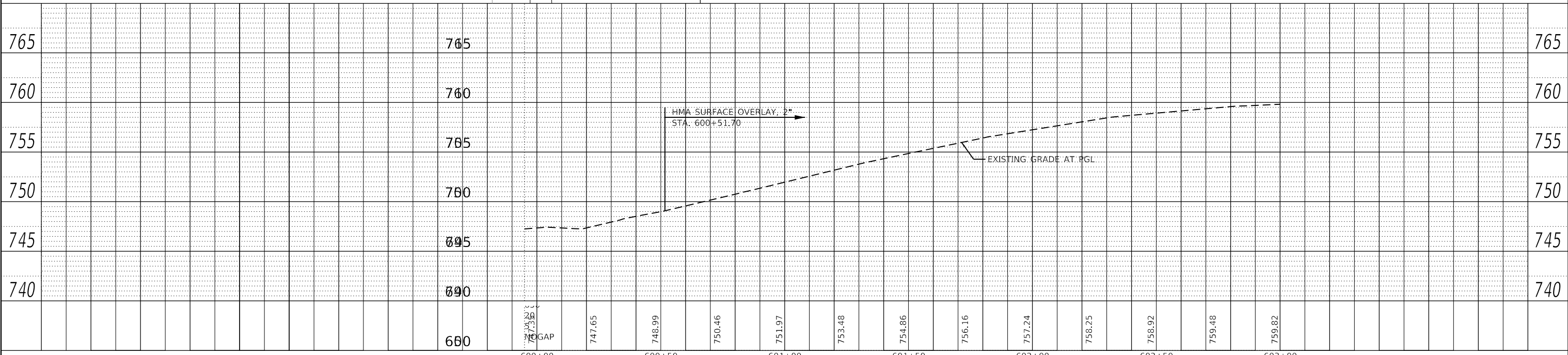
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	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	CADD FILE NAME		

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

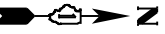


LEGEND

	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS

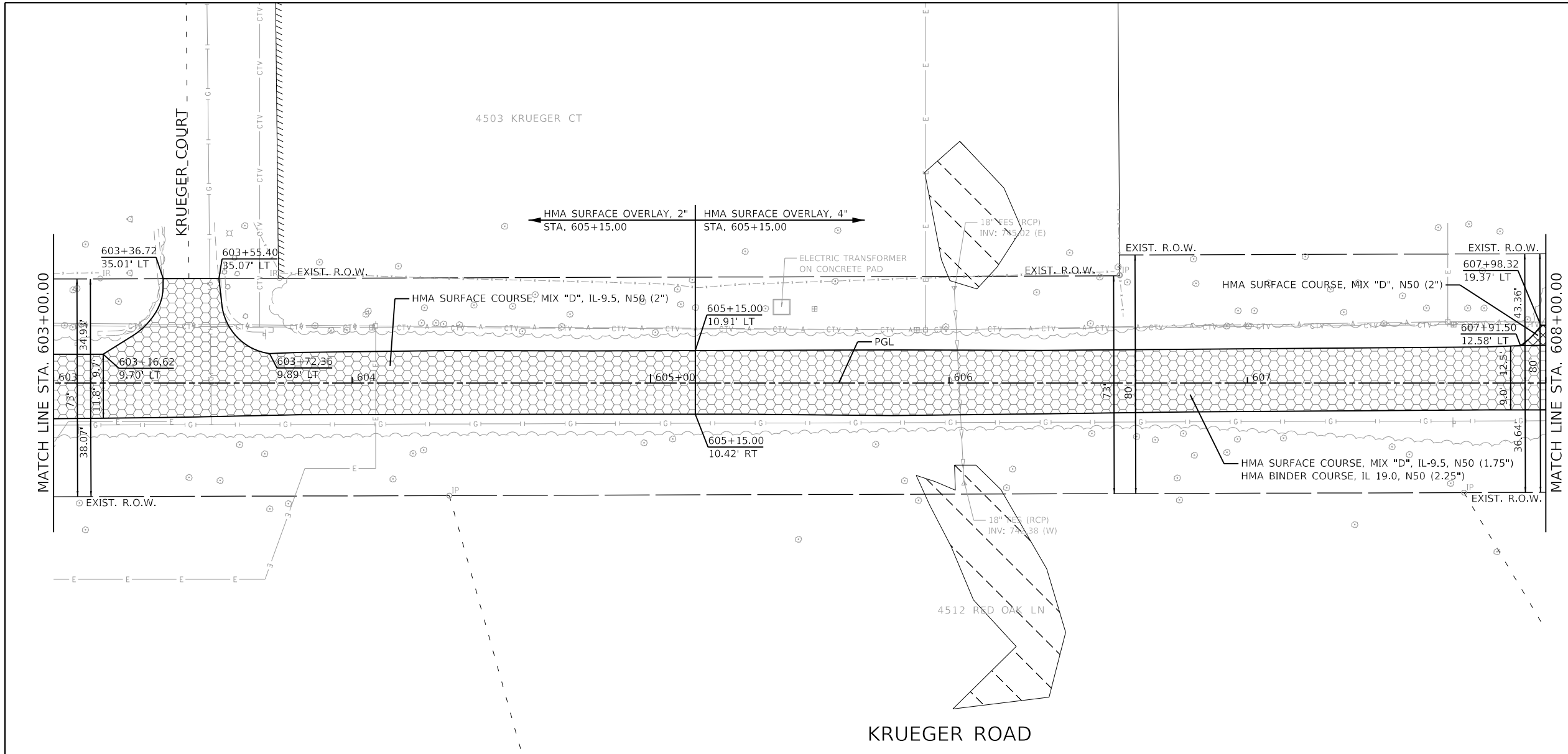


FILE NAME = 5000-014-sht-plnprf 1.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE NORTH KRUEGER ROAD IMPROVEMENTS				MU N RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 24
5000.039	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: H:1"=20'	SHEET 1 OF 13 SHEETS	STA. 600+00.00	TO STA. 603+00.00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 61G40		
Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -										

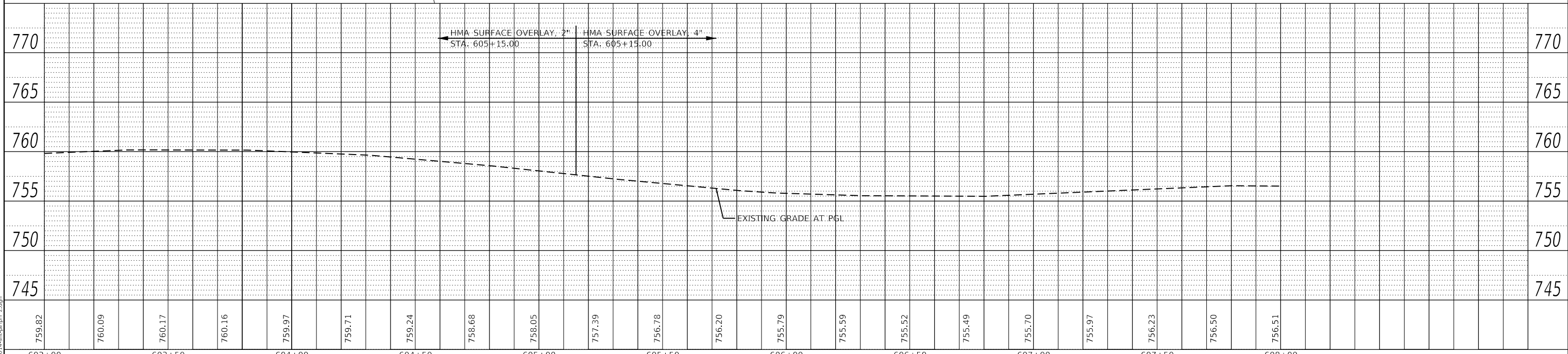


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NO.	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NO.	FILE NAME		



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-plnprf 2.dgn

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sht-plnprf 2.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
Default		DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H:1"=20'	SHEET 2 OF 13 SHEETS
STA. 603+00.00 TO STA. 608+00.00	

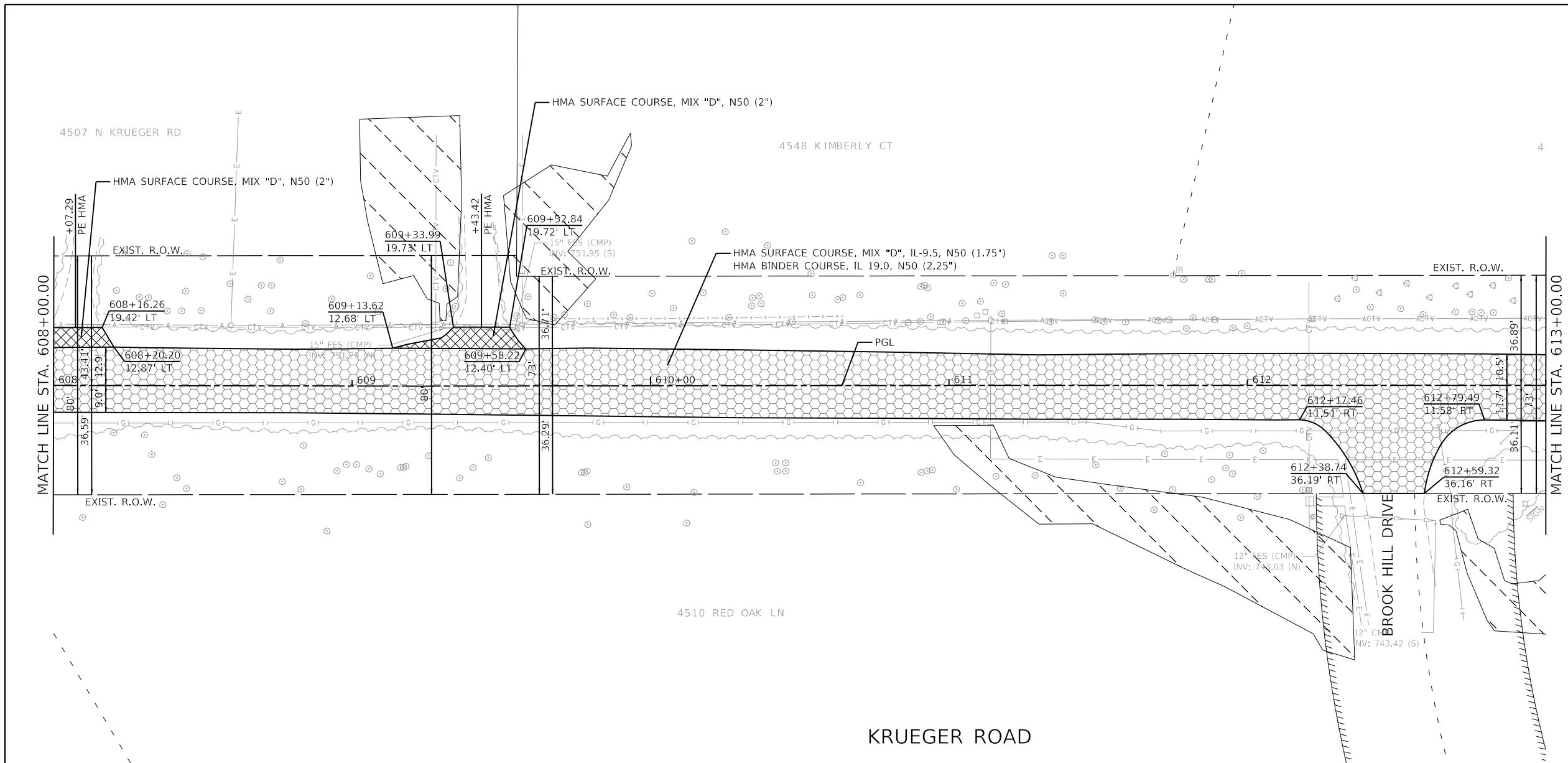
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	25
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
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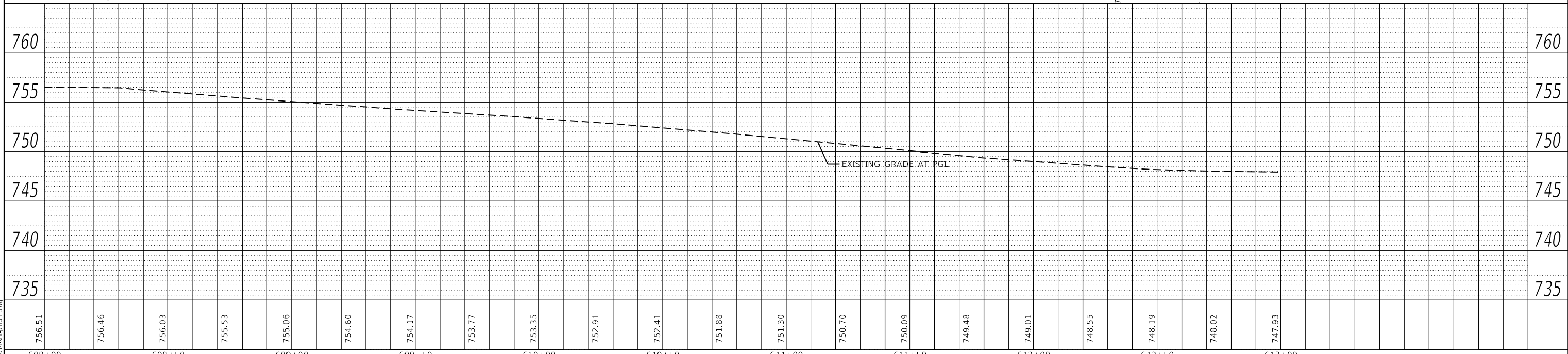
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
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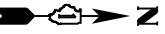


LEGEND

	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



FILE NAME = 5000-014-sht-plnprf 3.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE NORTH KRUEGER ROAD IMPROVEMENTS				MU N RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 26
5000.039	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: H:1"=20'	SHEET 3 OF 13 SHEETS	STA. 608+00.00	TO STA. 613+00.00	CONTRACT NO. 61G40				
Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -		ILLINOIS FED. AID PROJECT								



529 N KRUEGER RD

4531 N KRUEGER RD

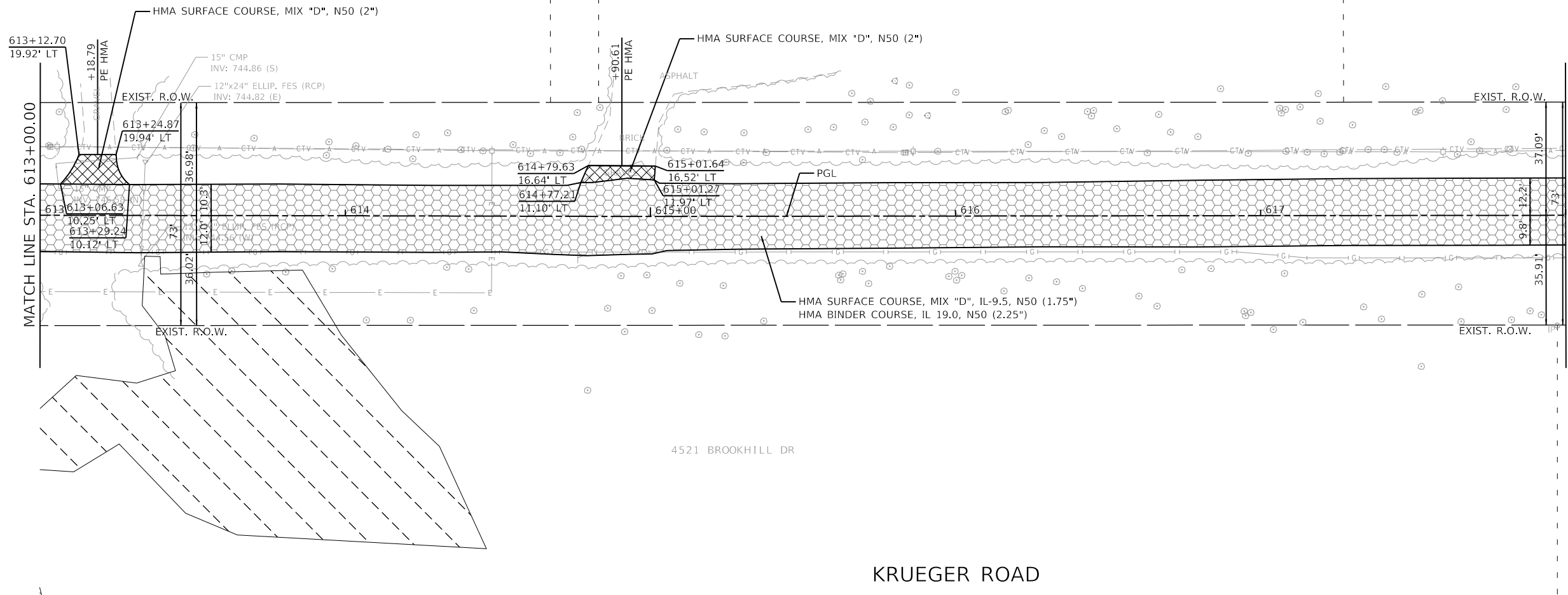
4531 KR

4521 BROOKHILL DR

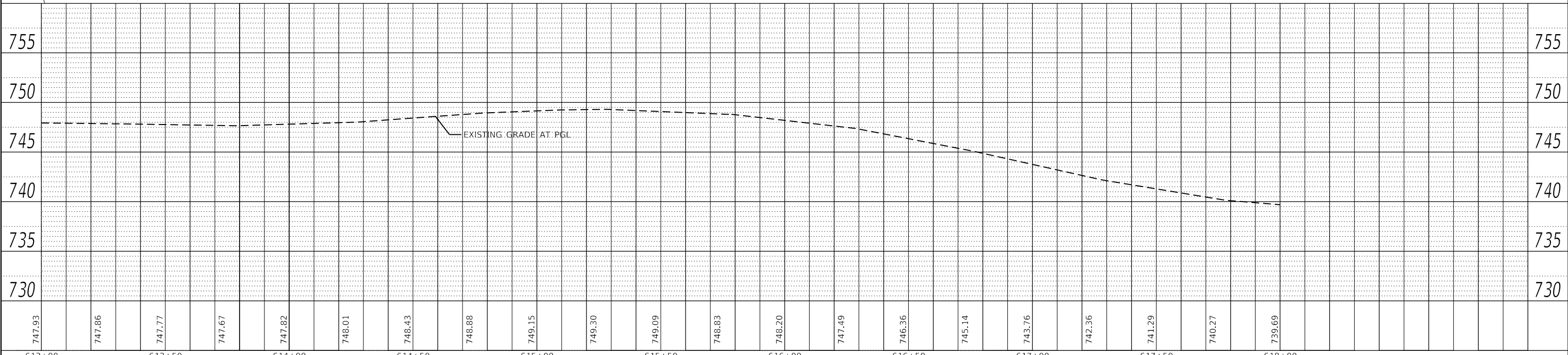
KRUEGER ROAD

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	NOTE BOOK NO.	
	FILE NAME	
	FILE NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	FILE NO.	



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



GHA GEWALT HAMILTON ASSOCIATES, INC.
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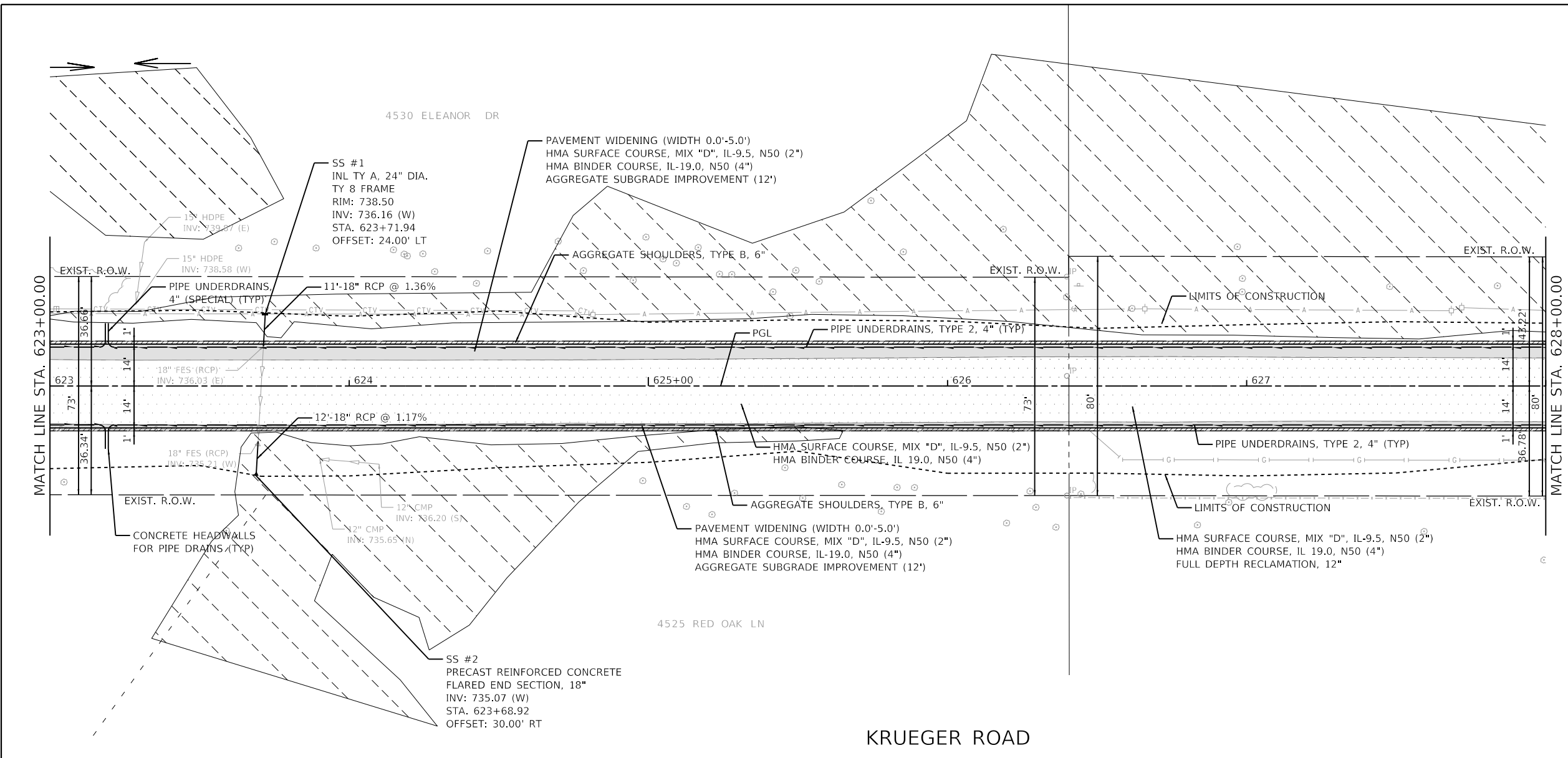
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5000.039	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: H:1"=20'	SHEET 4 OF 13 SHEETS	STA. 613+00.00 TO STA. 618+00.00	CONTRACT NO. 61G40		ILLINOIS	FED. AID PROJECT		
Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -										



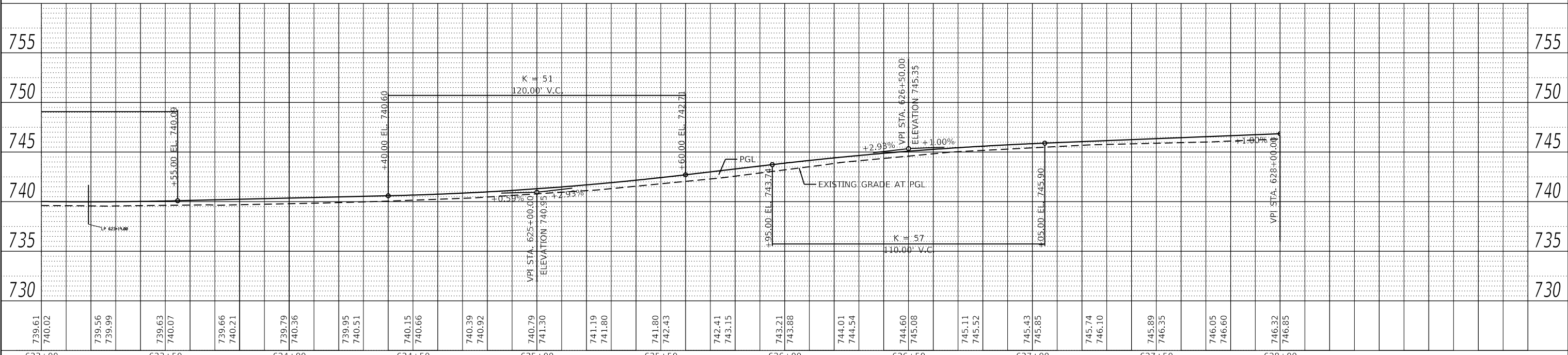
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	FILE NAME	

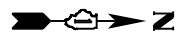
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-plnprf 6.dgn



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



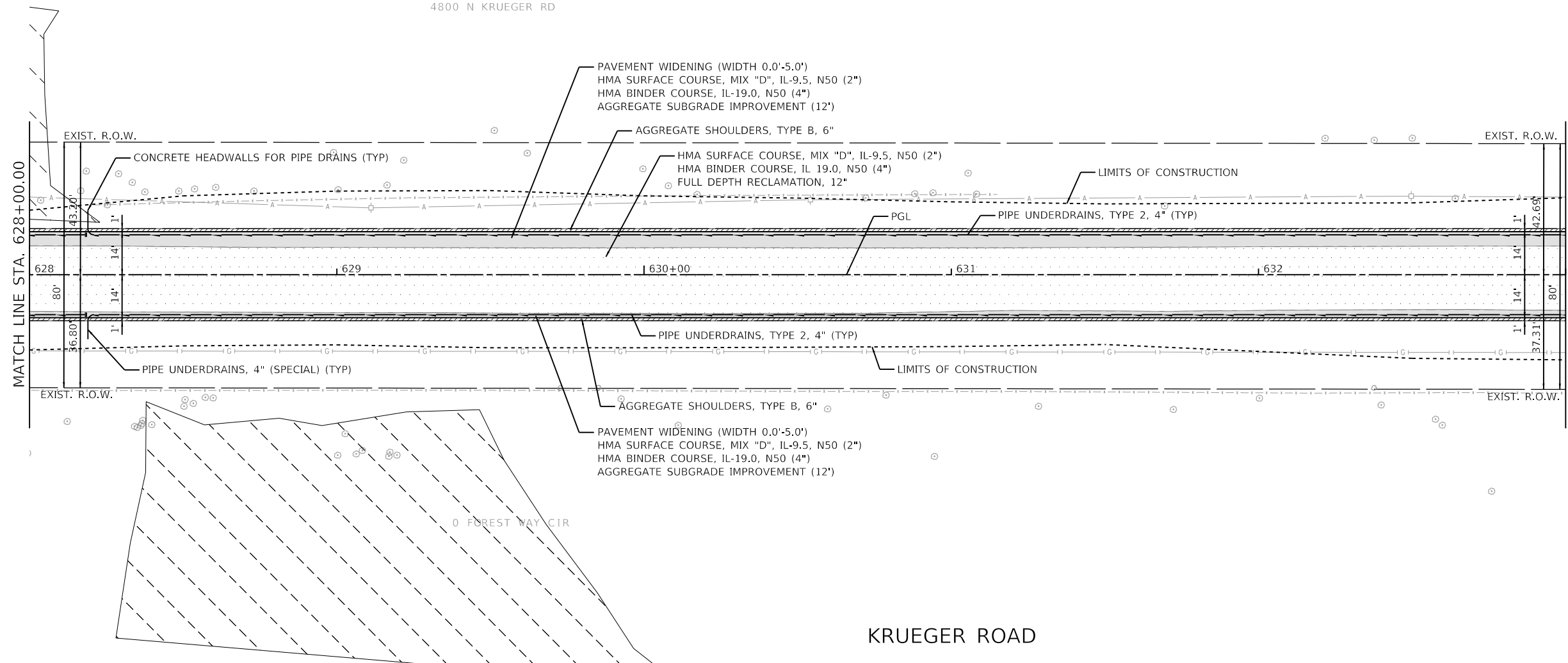
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PLOT SCALE = 1:40	CHECKED - KLB	REVISIED -			NORTH KRUEGER ROAD IMPROVEMENTS		CONTRACT NO. 61G40		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISIED -			SCALE: H:1"=20'	SHEET 6 OF 13 SHEETS	STA. 623+00.00	TO STA. 628+00.00			
							V:1"=5'				



4800 N KRUEGER RD

0 FOREST WAY CIR

KRUEGER ROAD

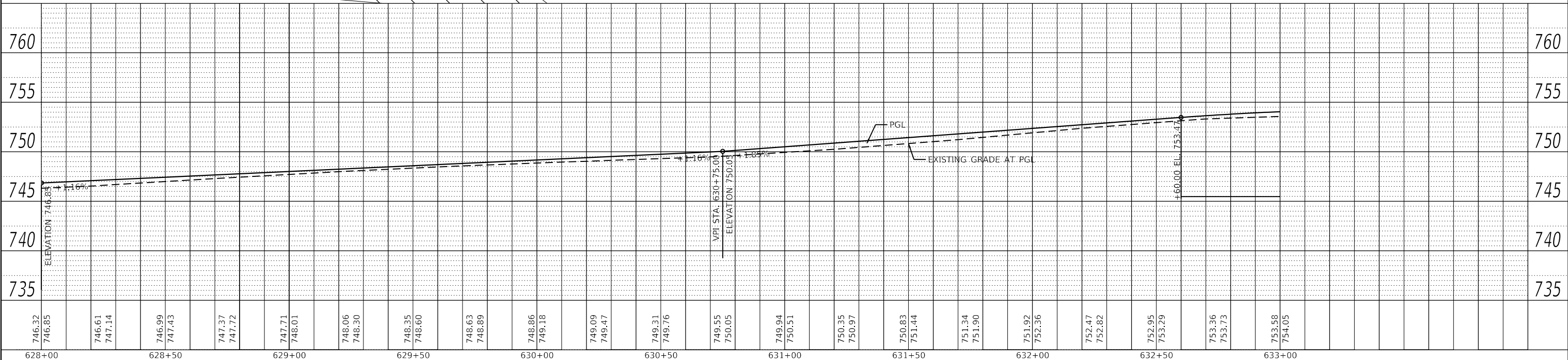


PLAN

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

PROFILE

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	



FILE NAME = 5000-014-sht-plnprf 7.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sht-plnprf 7.dgn		DRAWN - PJS	REVISED -
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Default		DATE - 12/21/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

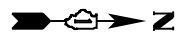
PLAN AND PROFILE

NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: H:1"=20' V:1"=5'

SHEET 7 OF 13 SHEETS STA. 628+00.00 TO STA. 633+00.00

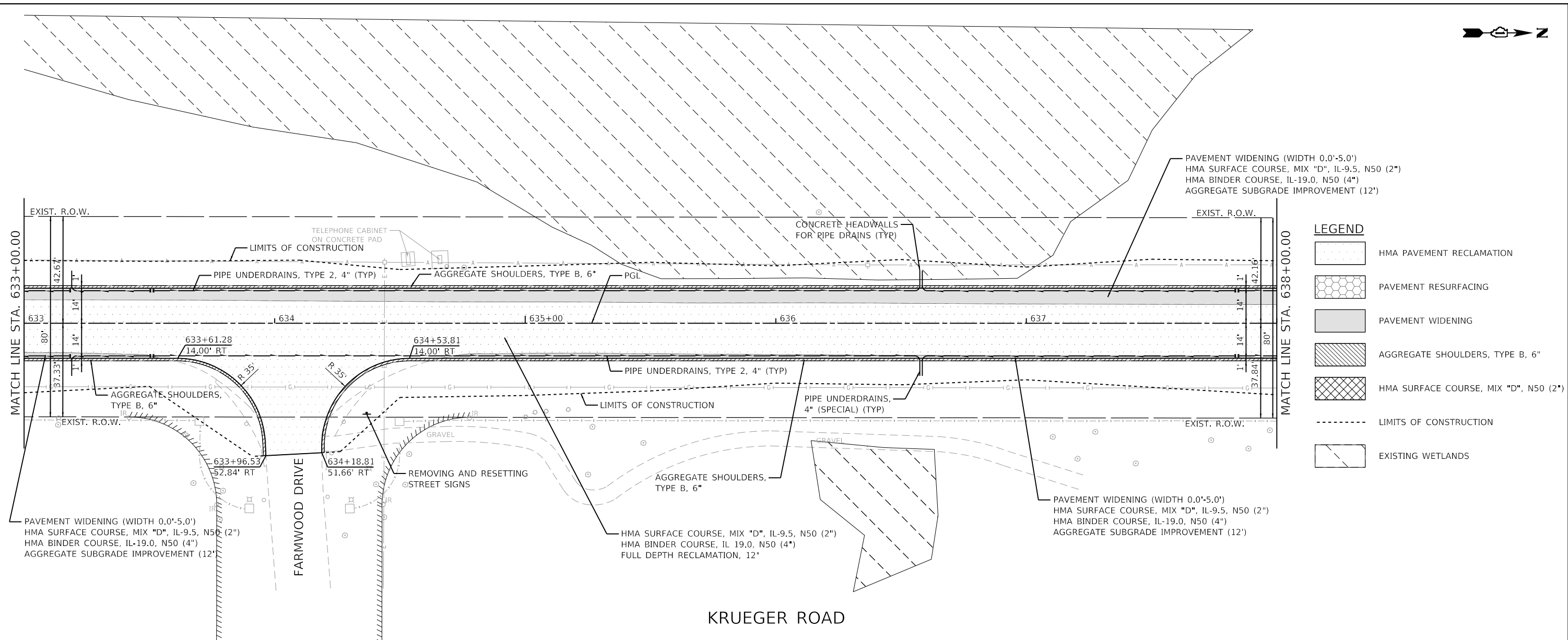
MU N RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 30
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	



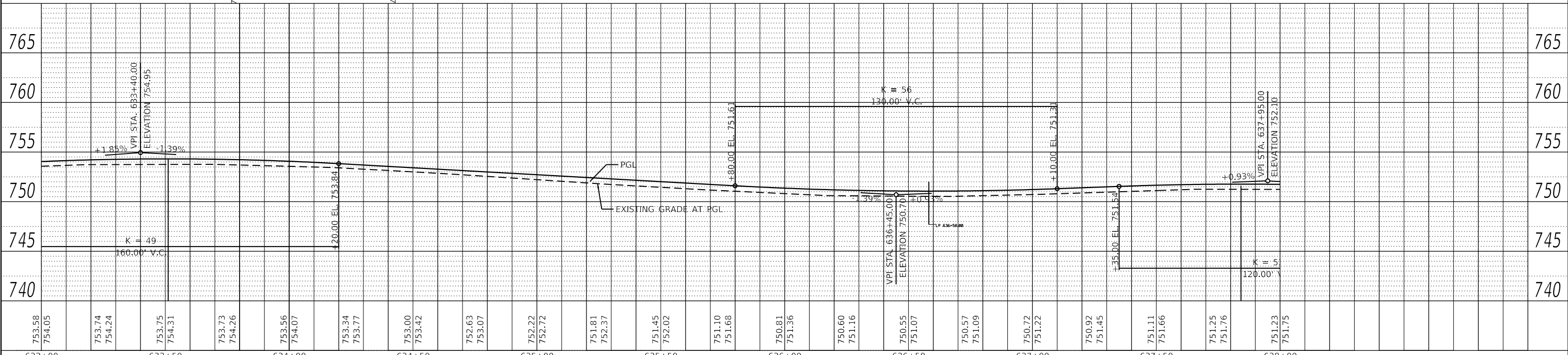
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	PLOTTED	
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	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	FILE NAME	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-shr-plnprf 8.dgn



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



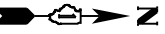
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Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: H:1"=20' SHEET 8 OF 13 SHEETS STA. 633+00.00 TO STA. 638+00.00
 V:1"=5'

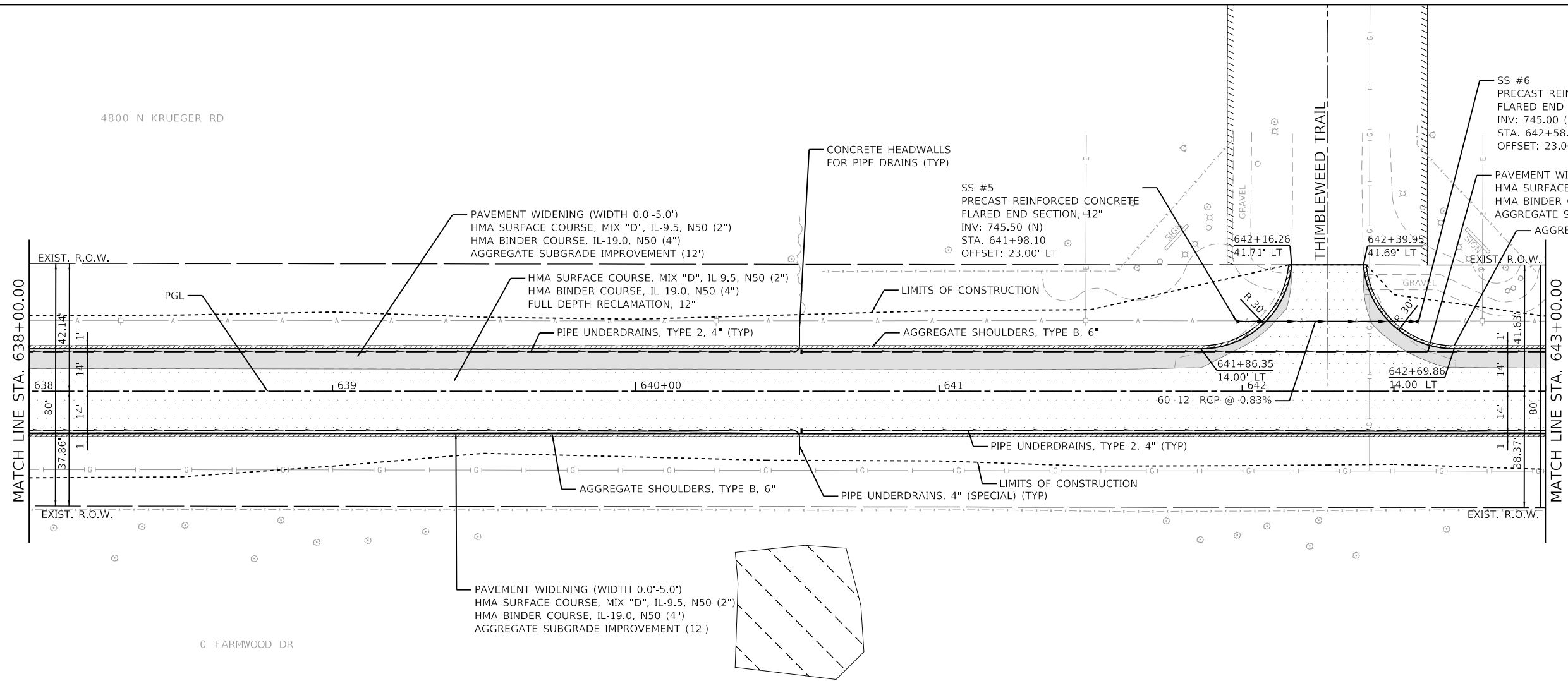
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	31
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



4800 N KRUEGER RD

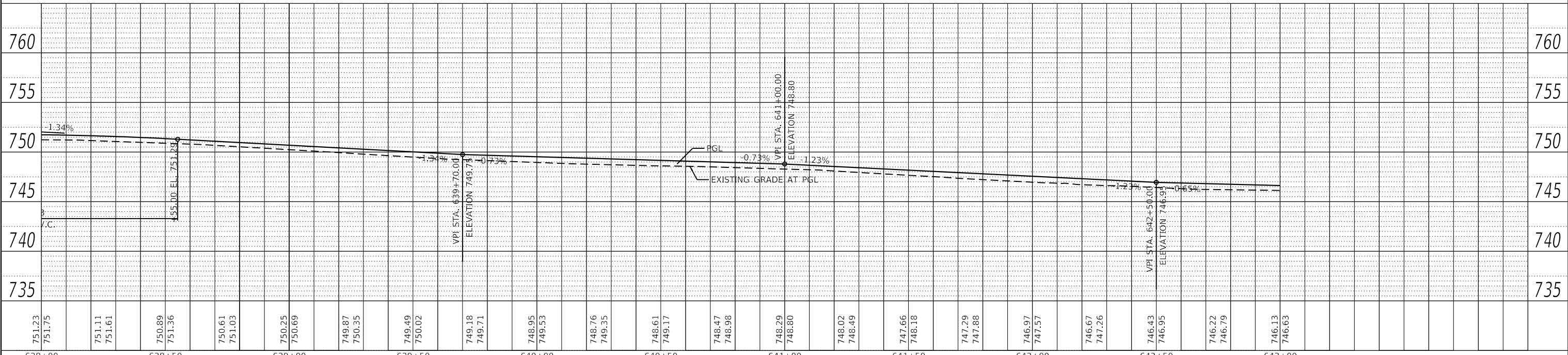
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	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS

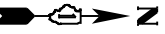
KRUEGER ROAD



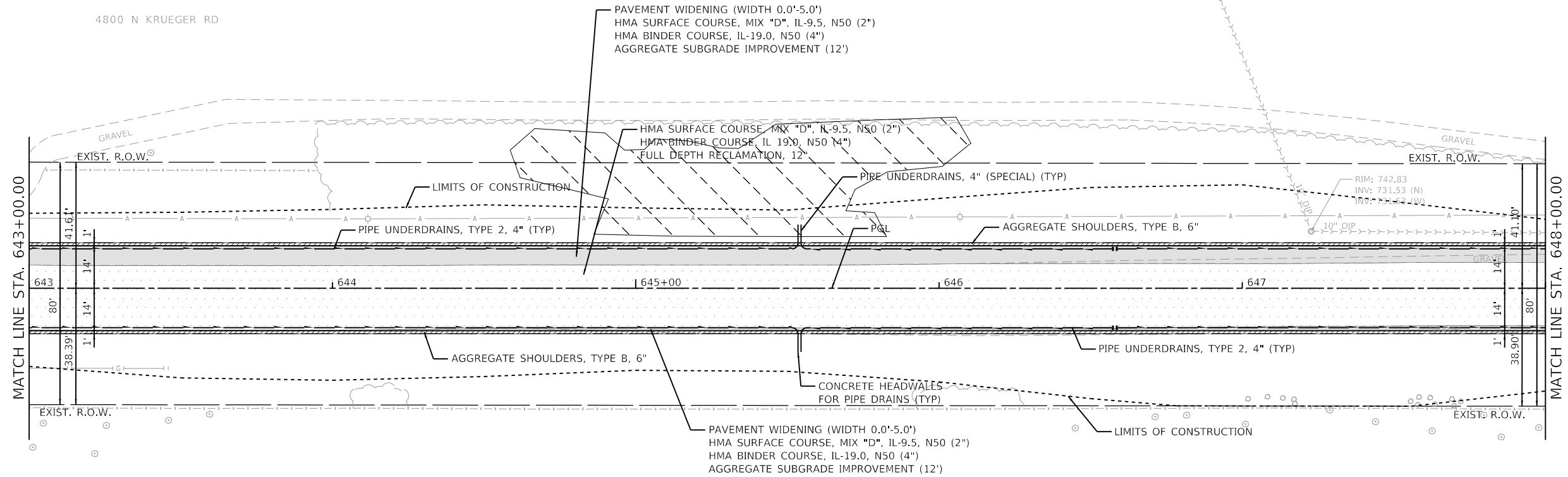
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5000.039	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: H:1"=20'	SHEET 9 OF 13 SHEETS	STA. 638+00.00 TO STA. 643+00.00	CONTRACT NO. 61G40		ILLINOIS	FED. AID PROJECT
Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -		V:1"=5'						



MODEL: Default
FILE NAME: 5000-014-sht-plnprf 9.dgn

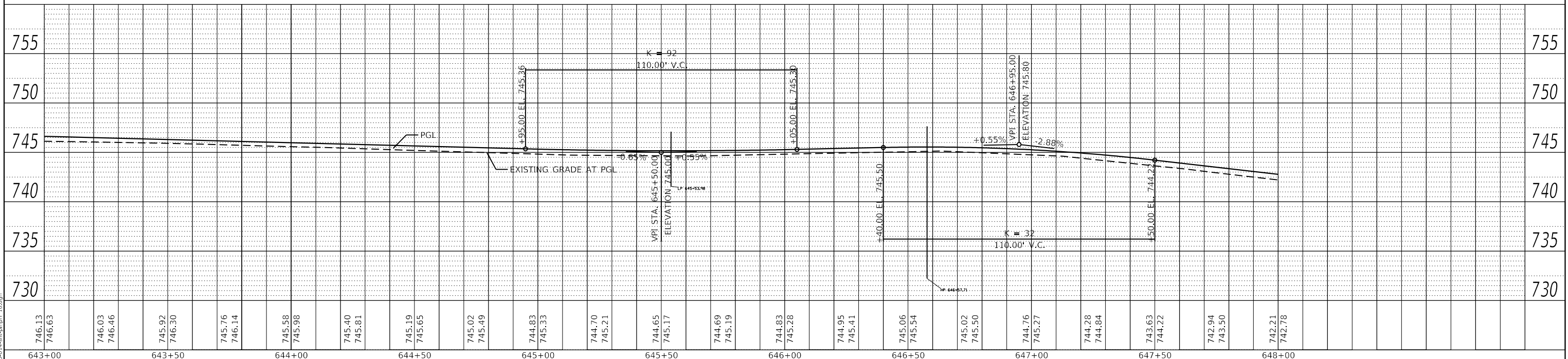


4800 N KRUEGER RD



LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS

KRUEGER ROAD



PLAN	SURVEYED	DATE
NO.		

PROFILE	SURVEYED	DATE
NO.		

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-plnprf 10.dgn

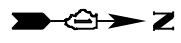
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5000-014-sht-plnprf 10.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
Default	CHECKED - KLB
	DATE - 12/21/2020

DESIGNED - MGC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H:1"=20'	SHEET 10 OF 13 SHEETS
STA. 643+00.00 TO STA. 648+00.00	
V:1"=5'	

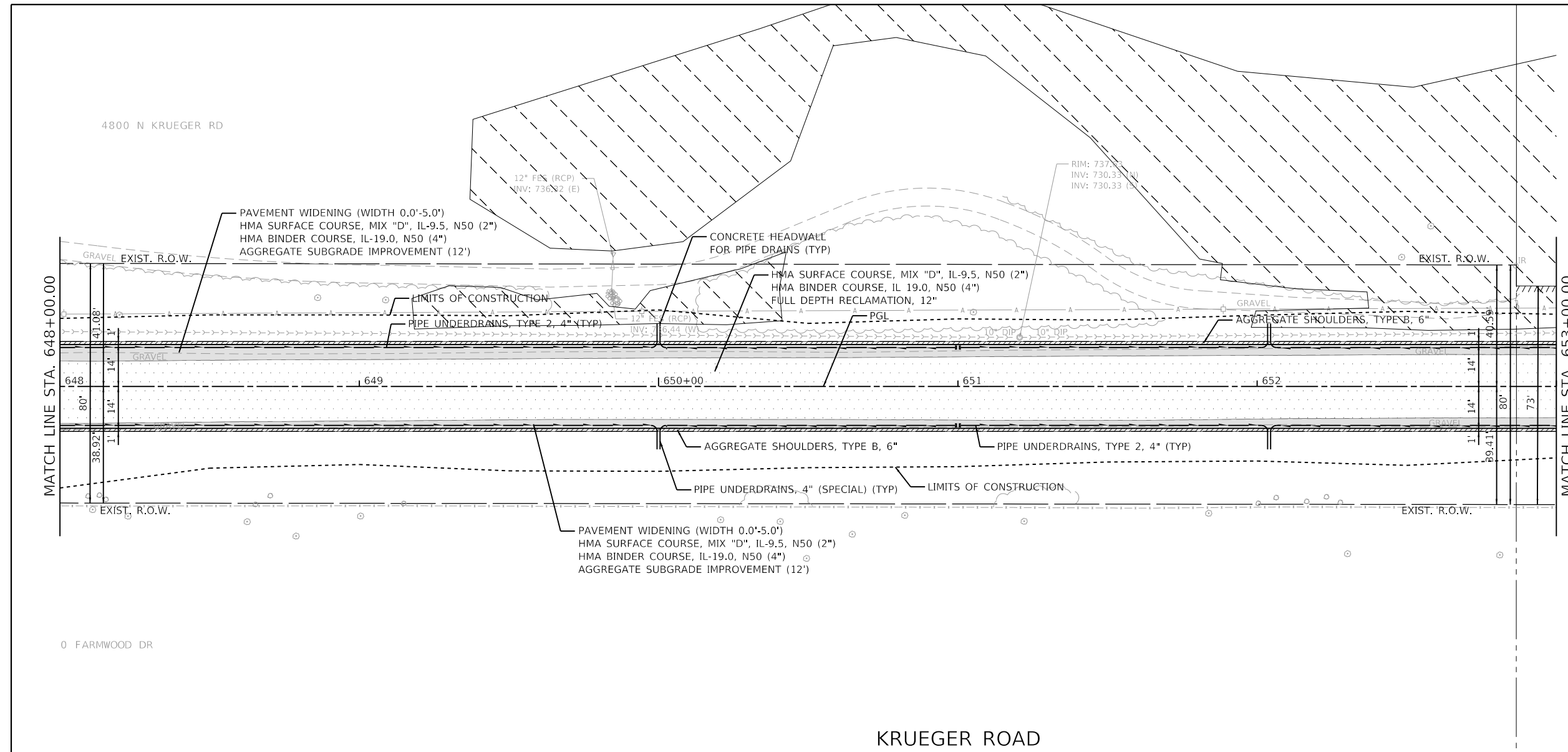
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	33
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



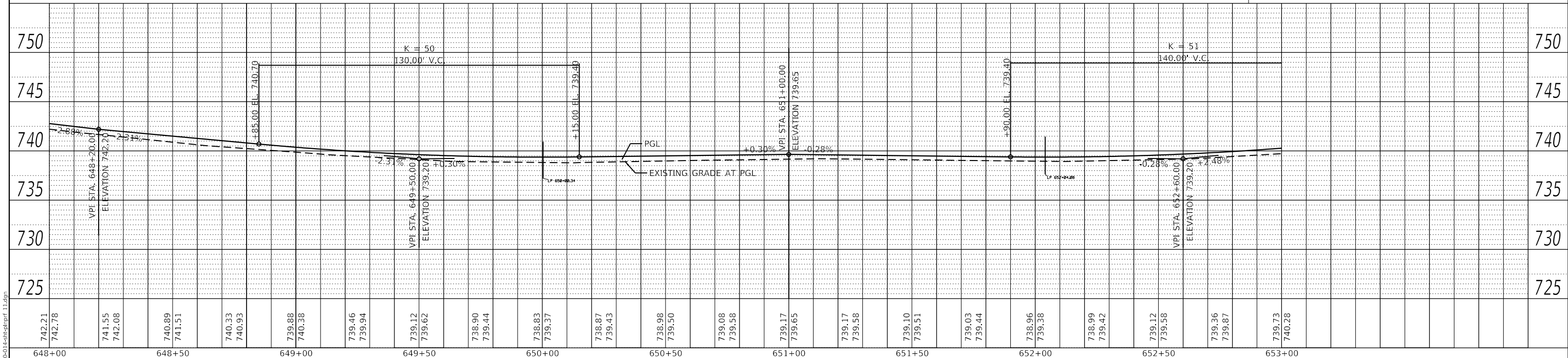
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	GRADES CHECKED	
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	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

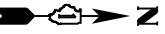
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-plnprf 11.dgn



LEGEND	
[Pattern]	HMA PAVEMENT RECLAMATION
[Pattern]	PAVEMENT RESURFACING
[Pattern]	PAVEMENT WIDENING
[Pattern]	AGGREGATE SHOULDERS, TYPE B, 6"
[Pattern]	HMA SURFACE COURSE, MIX "D", N50 (2")
[Dashed Line]	LIMITS OF CONSTRUCTION
[Dashed Line]	EXISTING WETLANDS



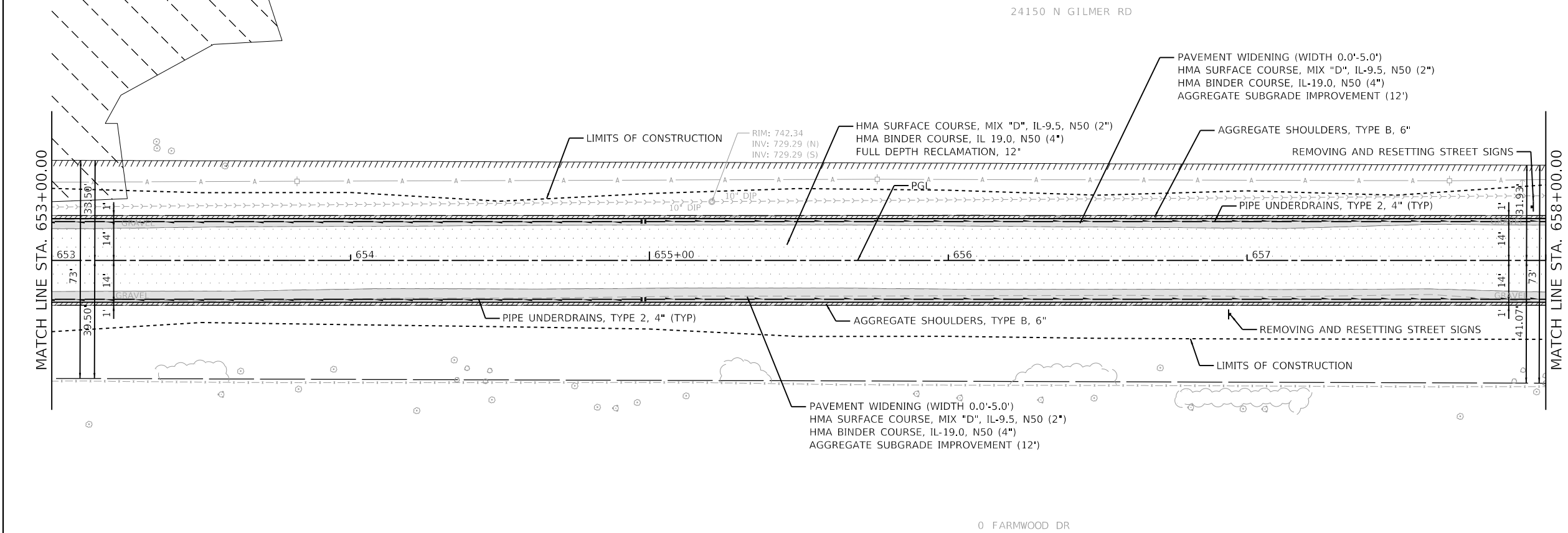
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PLOT SCALE = 1:40	CHECKED - KLB	REVISED -	SCALE: H:1"=20'			SHEET 11 OF 13 SHEETS	STA. 648+00.00 TO STA. 653+00.00	CONTRACT NO. 61G40		ILLINOIS	FED. AID PROJECT
PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -	V:1"=5'								



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

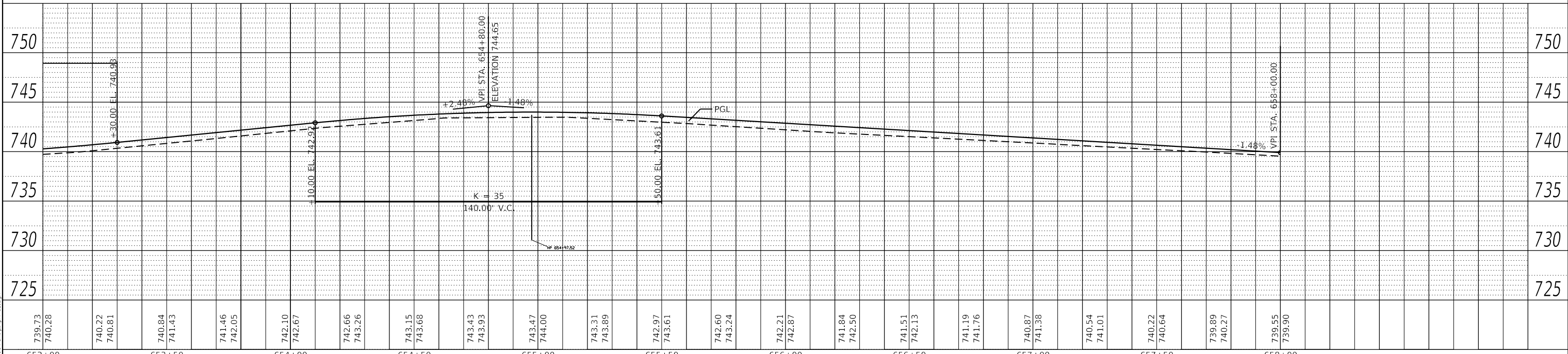
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	PLOTTED	
	GRADES CHECKED	
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	NOTE BOOK NO.	
	FILE NAME	

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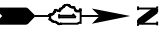


LEGEND	
	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS

KRUEGER ROAD



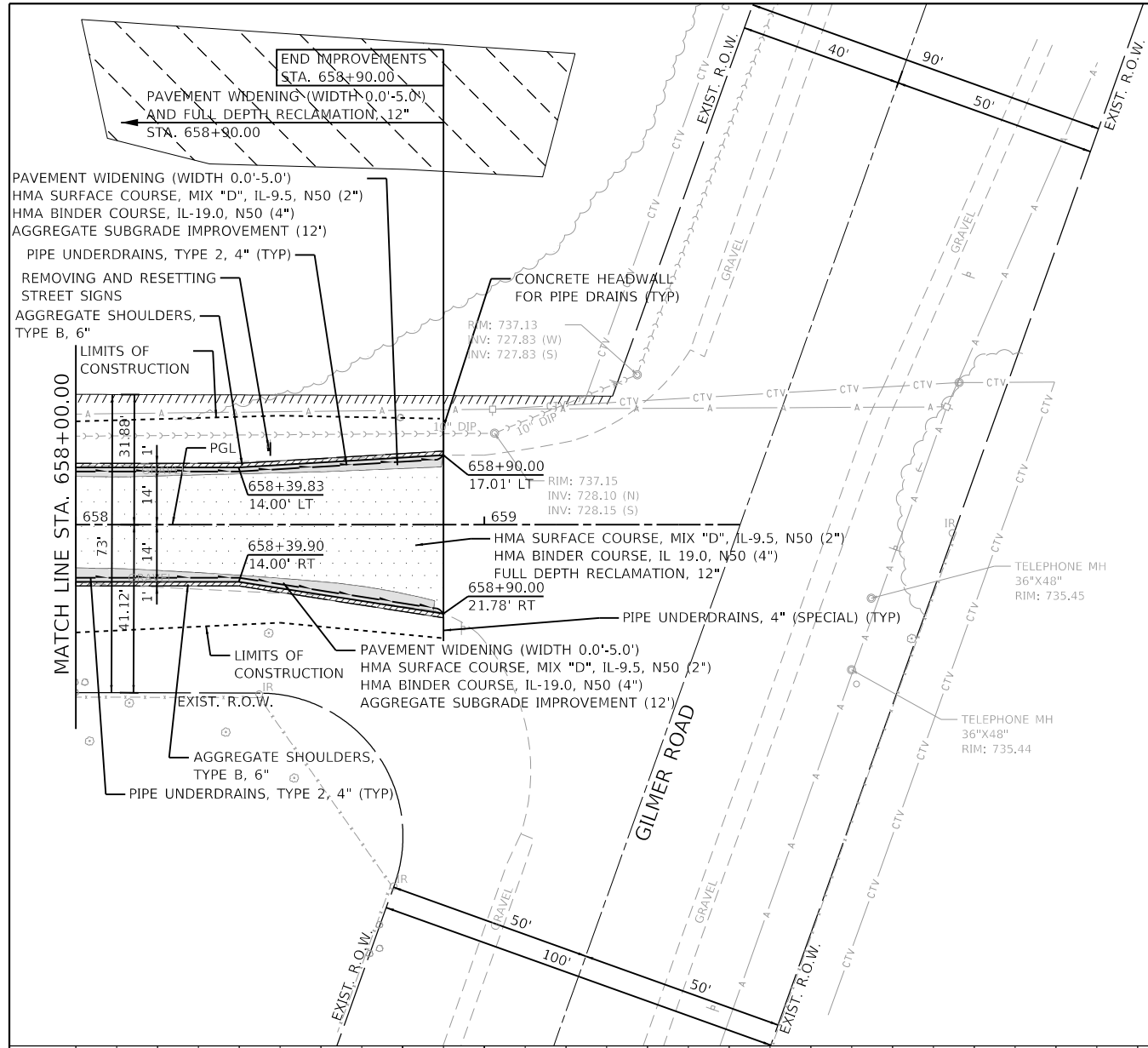
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5000.039	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: H:1"=20'	SHEET 12	OF 13 SHEETS	STA. 653+00.00	TO STA. 659+00.00	CONTRACT NO. 61G40			
Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -		ILLINOIS FED. AID PROJECT								
V:1"=5'													



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

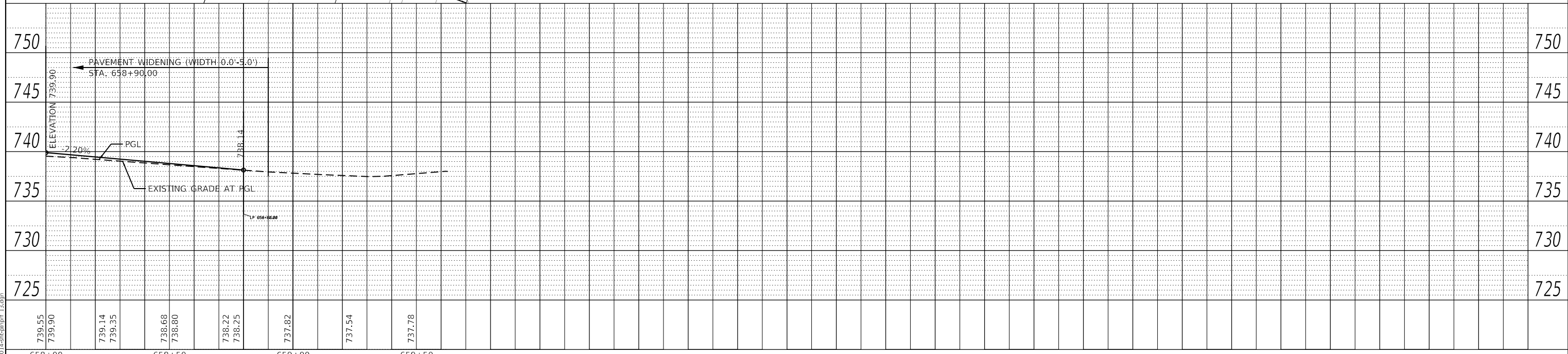
PROFILE	SURVEYED	DATE
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	NO.	
	STRUCTURE NOTATIONS CHECKED	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5000-014-sht-plnprf 13.dgn



LEGEND

	HMA PAVEMENT RECLAMATION
	PAVEMENT RESURFACING
	PAVEMENT WIDENING
	AGGREGATE SHOULDERS, TYPE B, 6"
	HMA SURFACE COURSE, MIX "D", N50 (2")
	LIMITS OF CONSTRUCTION
	EXISTING WETLANDS



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 NORTH KRUEGER ROAD IMPROVEMENTS**
 SCALE: H:1"=20'
 SHEET 13 OF 13 SHEETS
 STA. 659+00.00 TO STA. 659+62.66
 V:1"=5'

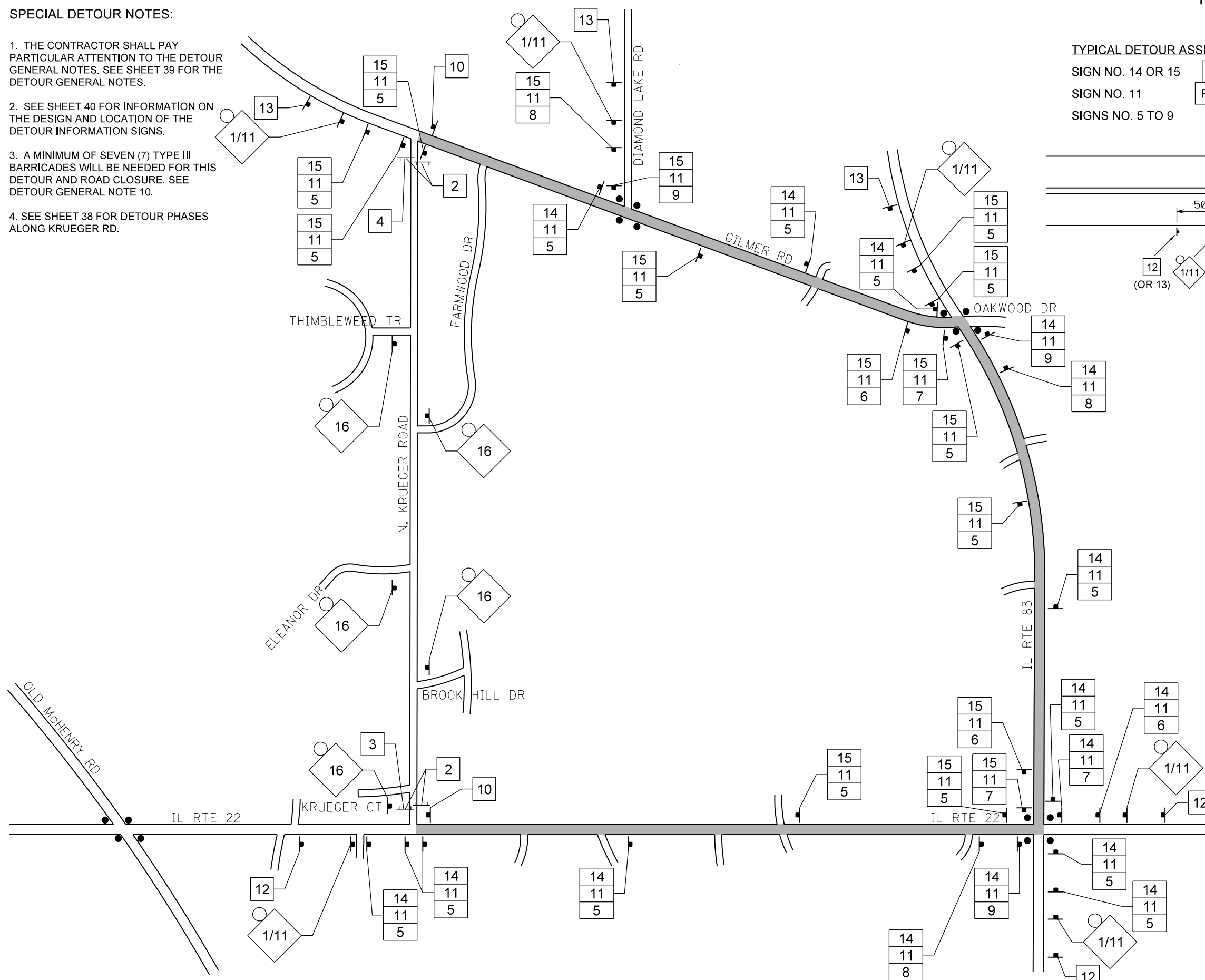
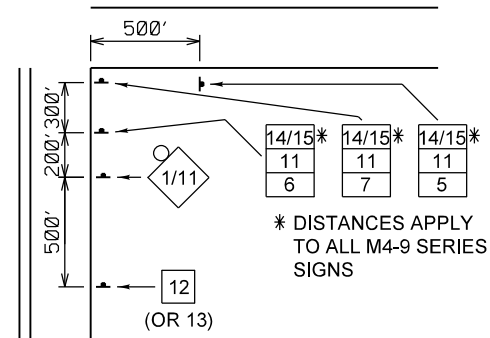
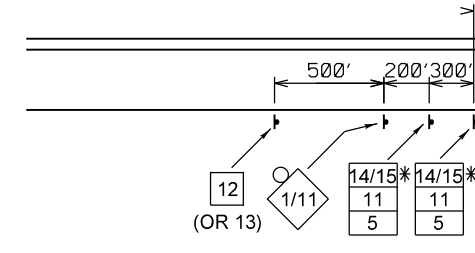
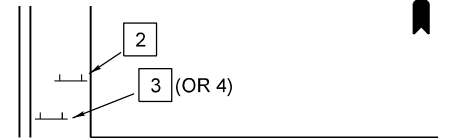
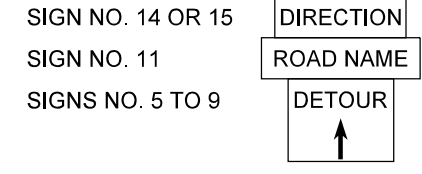
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G40	

SPECIAL DETOUR NOTES:

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 39 FOR THE DETOUR GENERAL NOTES.
2. SEE SHEET 40 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
3. A MINIMUM OF SEVEN (7) TYPE III BARRICADES WILL BE NEEDED FOR THIS DETOUR AND ROAD CLOSURE. SEE DETOUR GENERAL NOTE 10.
4. SEE SHEET 38 FOR DETOUR PHASES ALONG KRUEGER RD.

TYPICAL INTERSECTION AT POINT OF DETOUR

TYPICAL DETOUR ASSEMBLY SIGN



LEGEND

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

THE DURATION OF THE DETOUR SHALL NOT EXCEED 60 WORKING DAYS.

THE PENALTY FOR EXCEEDING THE DURATION SHALL BE \$2,000 PER WORKING DAY

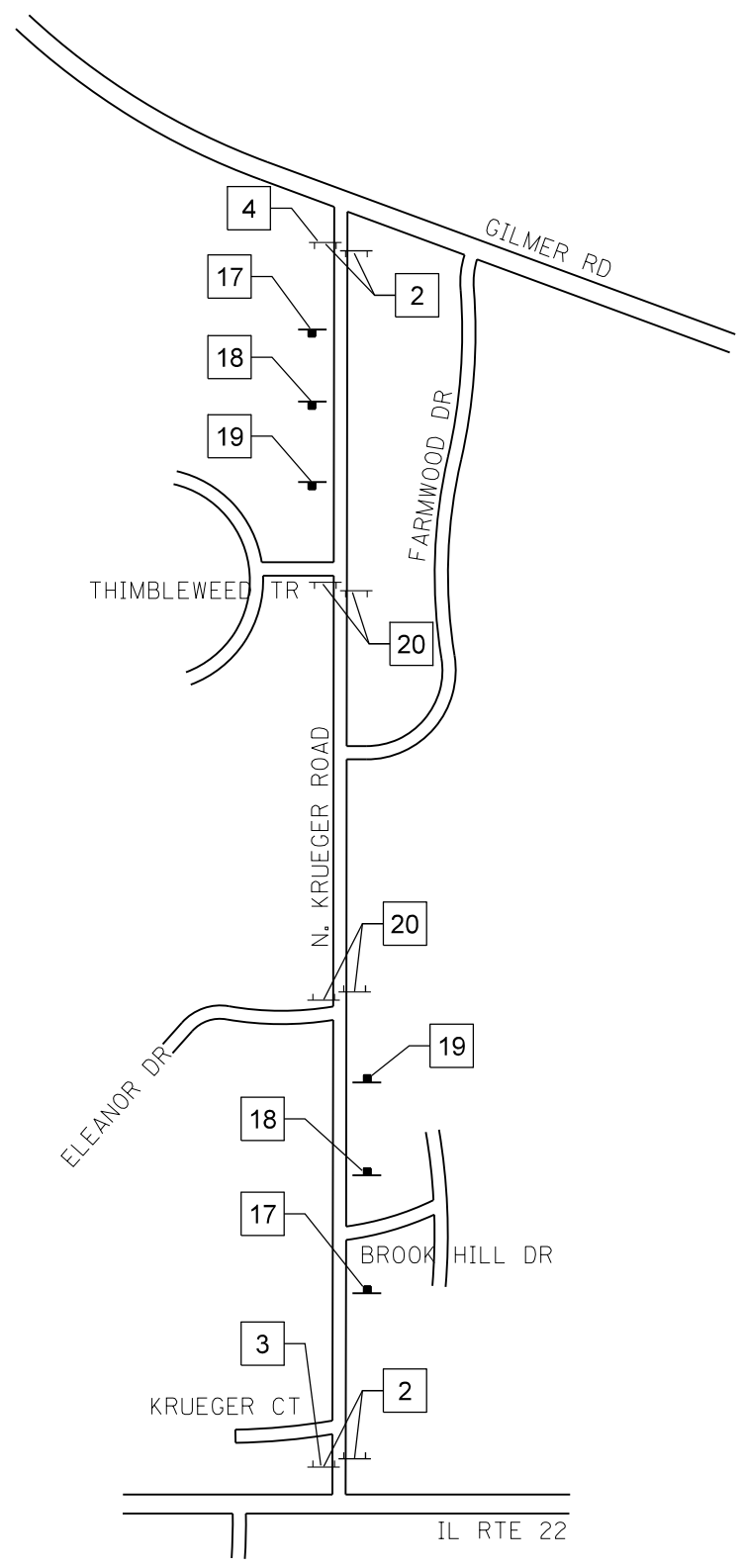
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: McH1
 FILE NAME: 5000-014-shd-detour.dgn

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-shd-detour.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
Model		DATE - 12/21/2020	REVISED -

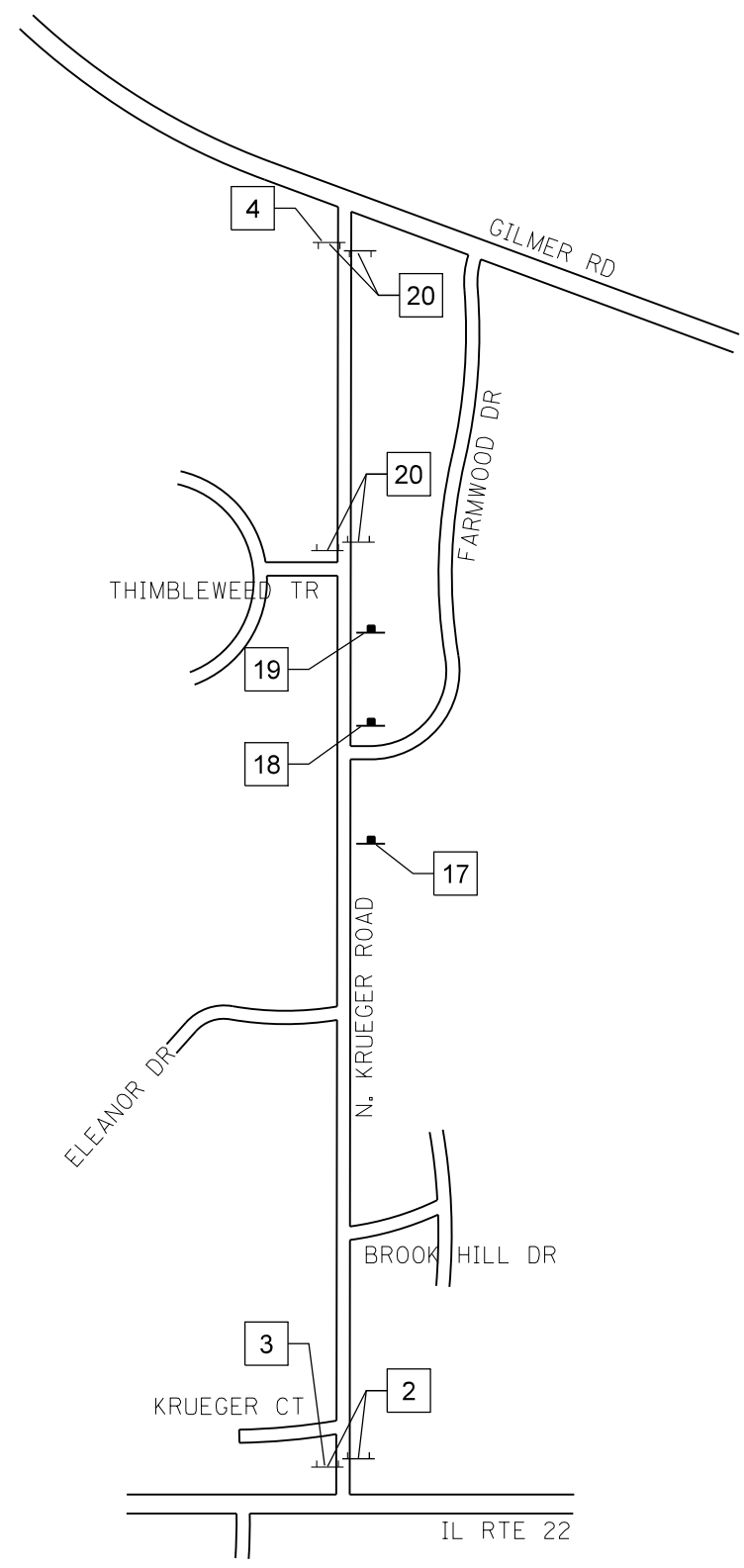
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: N.T.S.	SHEET 1 OF 2 SHEETS STA. TO STA.

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	37
				CONTRACT NO. 61G40
ILLINOIS FED. AID PROJECT				



PHASE 1



PHASE 2

SEQUENCE OF CONSTRUCTION:

1. FOR PHASE 1, THE CONTRACTOR SHALL CLOSE KRUEGER ROAD FROM ELEANOR DRIVE TO THIMBLEWEED TRAIL FOR RECLAMATION AND REGRADING OF STONE BASE.
2. FOR PHASE 2, THE CONTRACTOR SHALL CLOSE KRUEGER ROAD FROM THIMBLEWEED TRAIL TO GILMER ROAD FOR RECLAMATION AND REGRADING OF STONE BASE.

LEGEND

- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Mch1
 FILE NAME: 5000-014-shd-detour_phases.dgn

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-shd-detour_phases.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
Model		DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN-PHASES			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA.	TO STA.

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	38
CONTRACT NO. 61G40				
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	⑰		W20-3 (O) 48	4
②		R11-4 6030	4	⑱		W20-3 (O) 48	4
③		M4-10R (O) 4818	1	⑲		W21-1100 (O) 48	4
④		M4-10L (O) 4818	1	⑳		R11-2 4830	4
⑤		M4-9 (O) 3021	20				
⑥		M4-9R (O) 3021	3				
⑦		M4-9R (O) 3021	3				
⑧		M4-9L (O) 3021	2				
⑨		M4-9L (O) 3021	3				
⑩		M4-8a (O) 2418	2				
⑪		SPECIAL (O) 9 VARIABLE	37				
⑫		SPECIAL (O) 6030	3				
⑬		SPECIAL (O) 6030	3				
⑭		M3-1 (O) 2412	16				
⑮		M3-3 (O) 2412	16				
⑯		W20-I103 (O) 48	5				

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 APRIL, 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-DETOUR 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 MANAGEMENT CENTER/TRAFFIC ENGINEERING
 600 W. WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048
 (847) 377-7476
 THE ILLINOIS DEPARTMENT OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:
 KALPANA KANNAN-HOSADURGA
 ARTERIAL TRAFFIC CONTROL SUPERVISOR
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196
 (847) 705-4091
- 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. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (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 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS ARE 18" X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (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 THE 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 4.5" 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.

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sht-detour_gennotes.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
Model	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

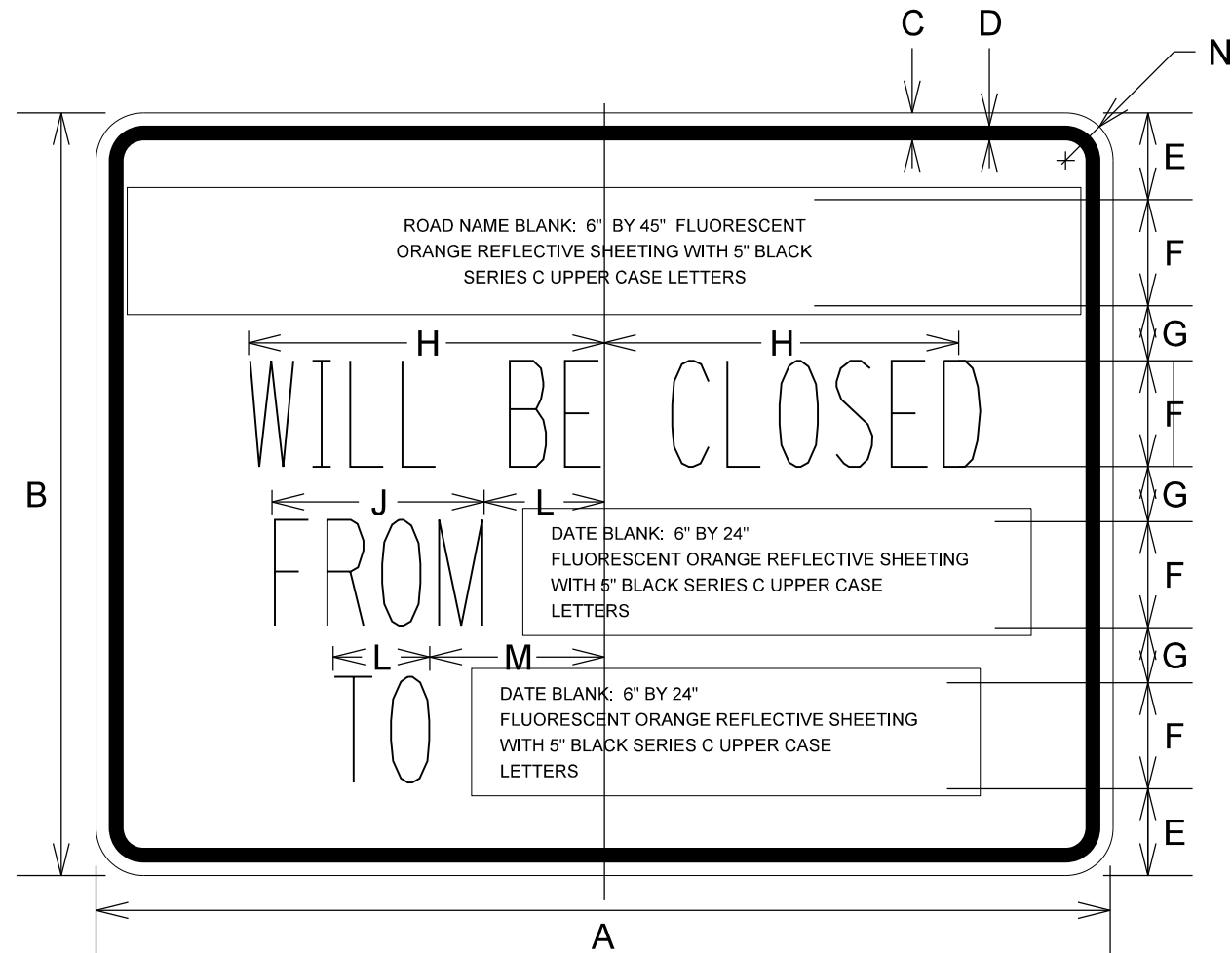
DETOUR PLAN GENERAL NOTES		MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NORTH KRUEGER ROAD IMPROVEMENTS		2030	16-00010-00-PV	LAKE	84	39
		CONTRACT NO. 61G40				
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

NUMBER OF SIGNS 6



DATES SHOWN ARE FOR EXAMPLE ONLY

NUMBER OF SIGNS



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"

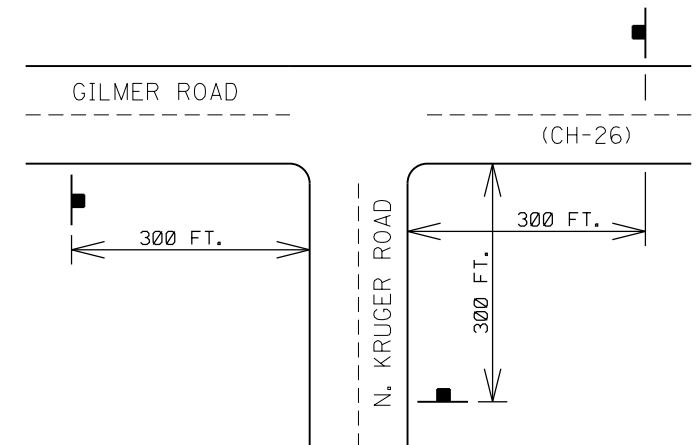
NOTE: SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5 INCH (125 mm) BLACK SERIES C LETTERS

LOCATIONS OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION

- E.B. GILMER ROAD APPROACHING N. KRUGER ROAD
- W.B. GILMER ROAD APPROACHING N. KRUGER ROAD
- E.B. IL RTE 22 APPROACHING N. KRUGER ROAD
- W.B. IL RTE 22 APPROACHING N. KRUGER ROAD
- N.B. N. KRUGER ROAD NORTH OF IL RTE 22
- S.B. N. KRUGER ROAD SOUTH OF GILMER 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 GILMER ROAD AND N. KRUGER ROAD. SIGNS AT IL RTE 22 AND N. KRUGER ROAD WILL BE INSTALLED IN A SIMILAR FASHION



FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sht-detour_sign.dgn		DRAWN - PJS	REVISED -
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Model		DATE - 12/21/2020	REVISED -

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	40
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	

**LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES**



**STORMWATER MANAGEMENT COMMISSION
TYPICAL CONSTRUCTION SEQUENCING**

- 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.

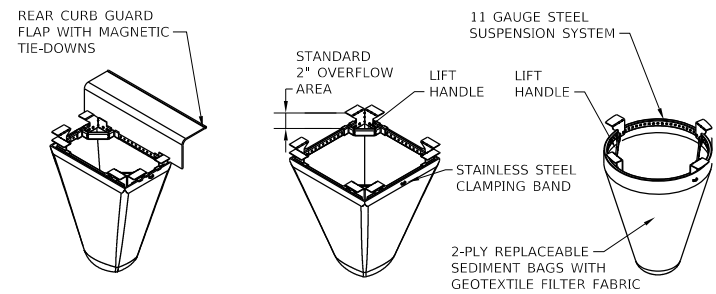
- 1.) INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B.) SILT FENCE INSTALLATION
 - C.) CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D.) STABILIZED CONSTRUCTION ENTRANCE
- 2.) TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
- 3.) CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS ...)
- 4.) CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER
- 5.) STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
- 6.) TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
- 7.) INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
- 8.) PERMANENTLY STABILIZE DETENTION BASINS WITH SEED AND EROSION CONTROL BLANKET
- 9.) TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
- 10.) INSTALL ROADWAYS
- 11.) PERMANENTLY STABILIZE ALL OUTLOT AREAS
- 12.) INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
- 13.) PERMANENTLY STABILIZE LOTS
- 14.) REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION
- * SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY ½ OR GREATER RAINFALL EVENT

EROSION CONTROL NOTES

- 1. AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.
- 2. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- 3. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.
- 4. ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.
- 5. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.
- 6. THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.
- 7. THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.
- 8. THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.
- 9. ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 10. ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL. IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.
- 11. PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.
- 12. CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.
- 13. PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.
- 14. WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.
- 15. ALL DISCHARGES FROM DEWATERING OPERATIONS SHALL BE APPROPRIATELY TREATED PRIOR TO DISCHARGE TO SURFACE WATERS.
- 16. ALL SILT FENCE MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (SECTION 600.06), OR EQUIVALENT.
- 17. TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2 HAVE BEEN PROVIDED IN CASE PERMANENT SEEDING CAN'T BE INSTALLED AFTER GRADING IS COMPLETE. IF PERMANENT SEEDING CAN BE INSTALLED AFTER GRADING IS COMPLETE, THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

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5000-014-shr-eros notes.dgn		DRAWN - PJS	REVISED -
5000.039	PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
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MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-0010-00-PV	LAKE	84	41
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	



TYPICAL CURB BOX INLET FILTER TYPICAL FLAT/RECTANGULAR/ROLLED CURB INLET FILTER TYPICAL ROUND INLET FILTER

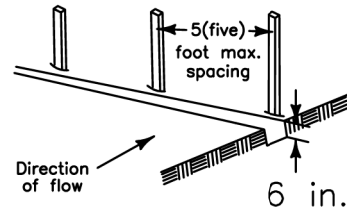
Material Property	Test Method	Value (min. ave.)	
> Inner Filter Bag Specs (2ft ² min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4535	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Permittivity	ASTM D 4491	2.0 / sec.	2.1 / sec
Water Flow Rate	ASTM D 4491	145 gpm / sq.ft	145 gpm / sq.ft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz / sq.yd. +/- 15%	
Thickness	ASTM D 1777	0.40 +/- .005	
> Frame Construction			
A36 Structural Steel:		Tensile Strength > 58,000 psi	
11 Gauge, Zinc Plated	ASTM A 576	Yield Strength > 36,000 psi	

MAINTENANCE
1. CLEAN OUT AFTER EVERY RAIN EVENT

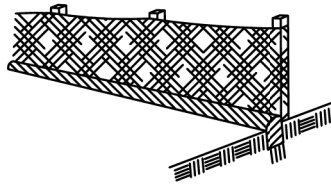
03.15.2016

GHA GEWALT HAMILTON ASSOCIATES, INC. INLET FILTER BASKET DETAIL

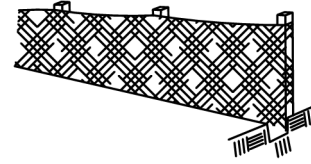
1. Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



3. Backfill and compact the excavated spoil materials

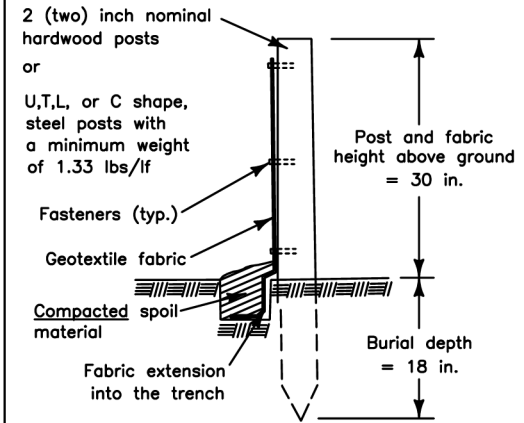


2. Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and extend to the bottom of the trench. Acceptable fasteners include staples, zip ties, or wire ties



Geotextile Requirement	Test Method	MARY
Grab strength	ASTM D 4632	
- Machine direction		550 N
- X-machine direction		450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

Note:
Value for apparent opening size represents maximum average roll value.



LAKE COUNTY
STORMWATER MANAGEMENT COMMISSION

DATE: 4/21/08 BY: KAW
REVISED: BY:

SILT FENCE DETAIL

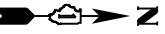
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Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL DETAILS
NORTH KRUEGER ROAD IMPROVEMENTS

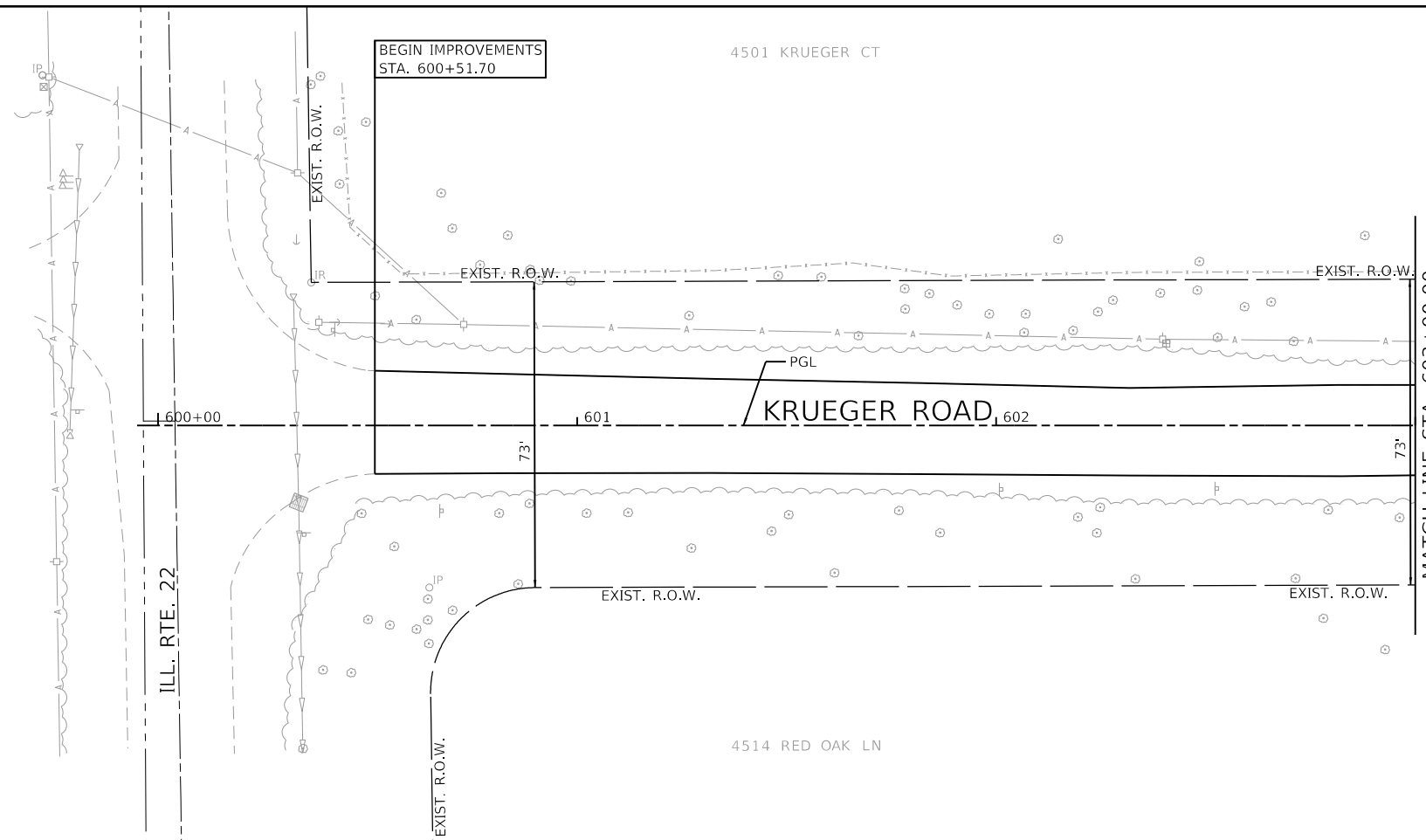
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MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	42
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				













BEGIN IMPROVEMENTS
STA. 600+51.70

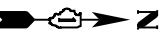
4501 KRUEGER CT



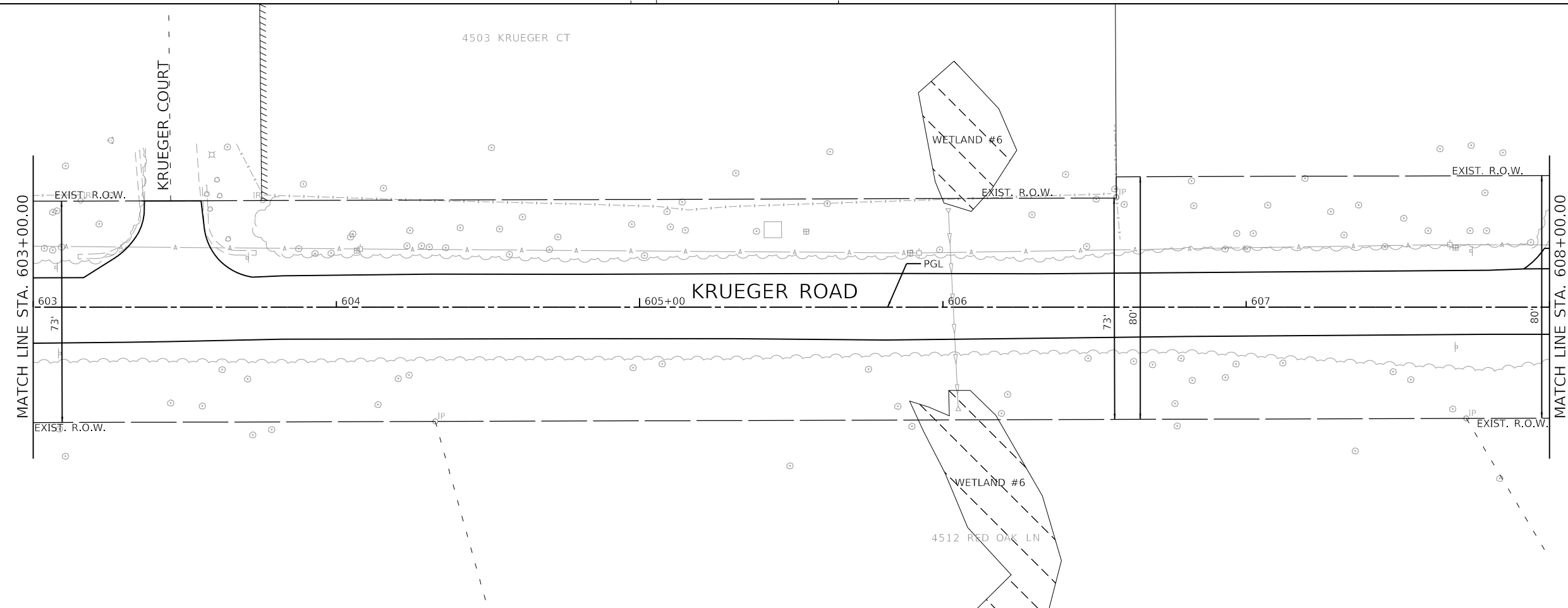
LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4 (MODIFIED) EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  PROPOSED DITCH FLOW DIRECTION
-  PROPOSED TREES
-  TREE ROOT PRUNING
-  EXISTING WETLANDS

MATCH LINE STA. 603+00.00



4503 KRUEGER CT



MATCH LINE STA. 603+00.00

MATCH LINE STA. 608+00.00



MODEL: Default
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5000.039	
Default	

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DRAWN - PJS	REVIS
CHECKED - KLB	REVIS
DATE - 12/21/2020	REVIS

DESIGNED - MGC	REVIS
DRAWN - PJS	REVIS
CHECKED - KLB	REVIS
DATE - 12/21/2020	REVIS

DESIGNED - MGC	REVIS
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CHECKED - KLB	REVIS
DATE - 12/21/2020	REVIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 600+00.00 TO STA. 608+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	43
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

4507 N KRUEGER RD

4548 KIMBERLY CT

4

WETLAND #7A

WETLAND #7

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

MATCH LINE STA. 608+00.00

MATCH LINE STA. 613+00.00

608 609 610+00 611 612

KRUEGER ROAD

PGL

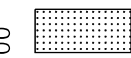
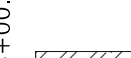
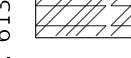



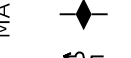
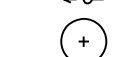

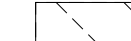

WETLAND #5

BROOK HILL DRIVE

WETLAND #4

4510 RED OAK LN

LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
-  NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4 (MODIFIED) EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  PROPOSED DITCH FLOW DIRECTION
-  PROPOSED TREES
-  TREE ROOT PRUNING
-  EXISTING WETLANDS



529 N KRUEGER RD

4531 N KRUEGER RD

4531 KR

EXIST. R.O.W.

EXIST. R.O.W.

MATCH LINE STA. 613+00.00

MATCH LINE STA. 618+00.00

613 614 615+00 616 617

KRUEGER ROAD

PGL

WETLAND #4

4521 BROOKHILL DR



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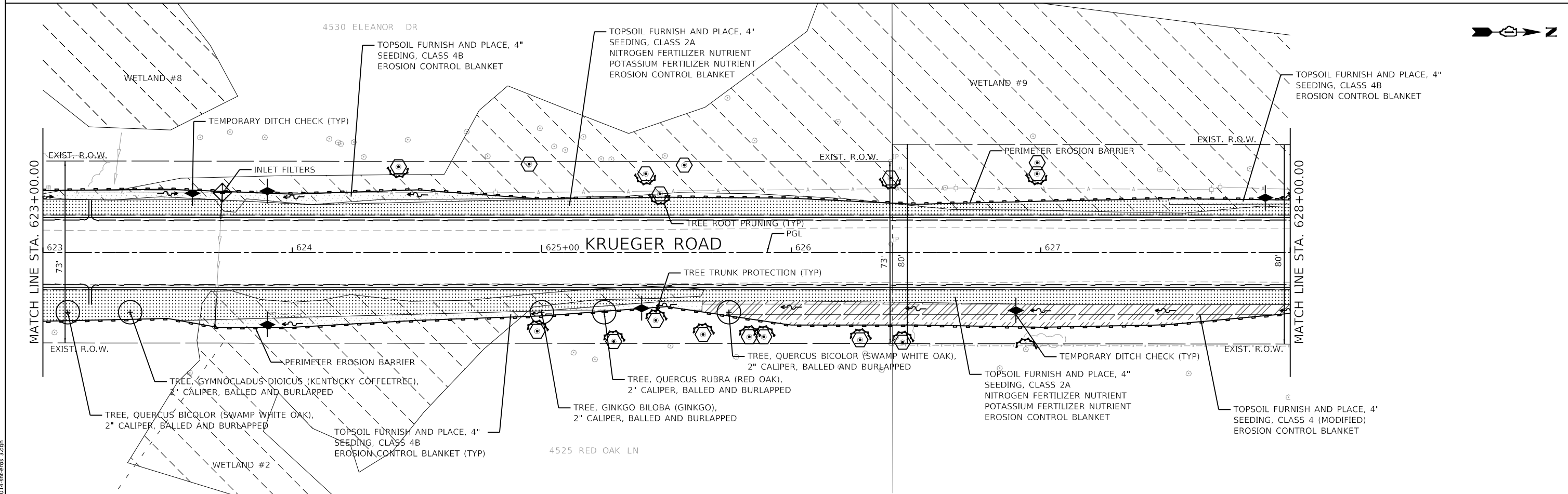
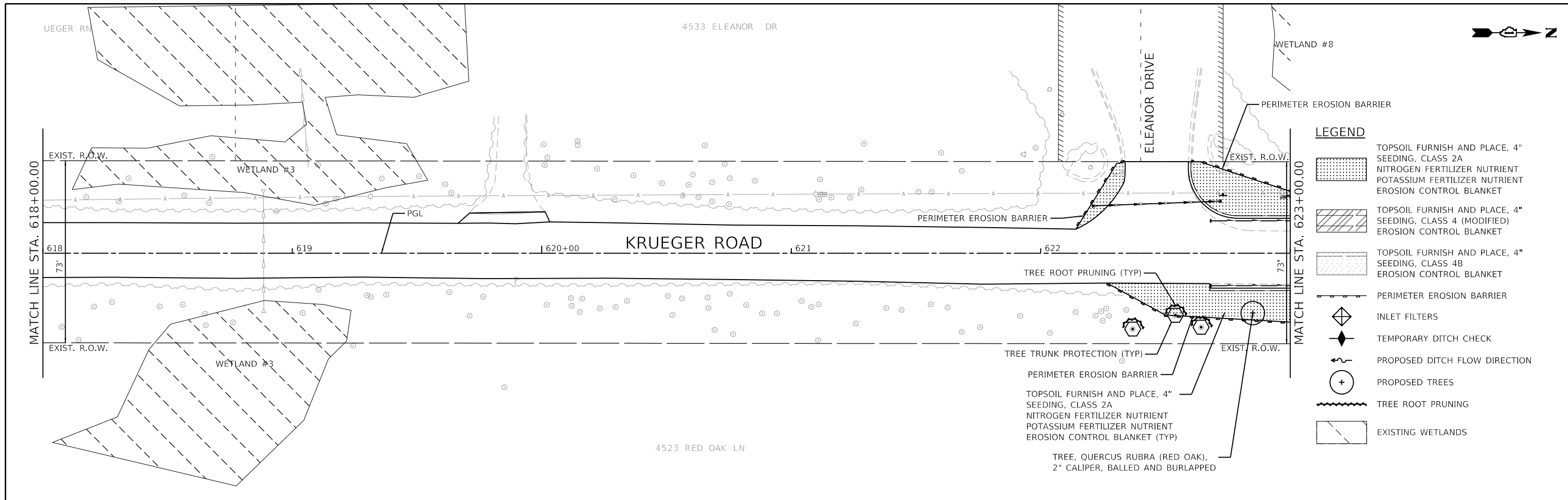
REVISOR	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 608+00.00 TO STA. 618+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	44
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



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Default	PLOT DATE = 12/21/2020	DATE - 12/21/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 618+00.00 TO STA. 628+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	45
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

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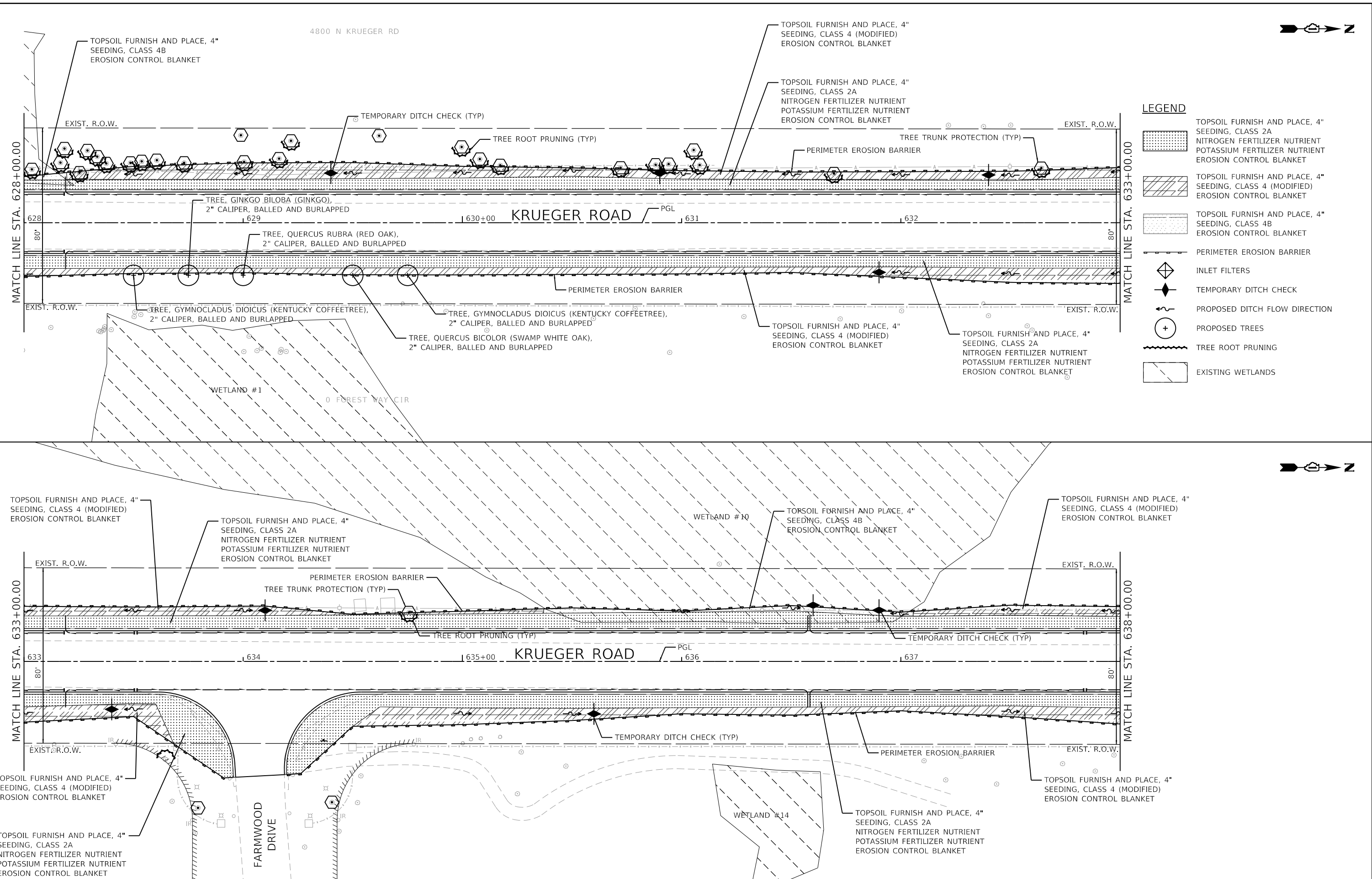
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS**

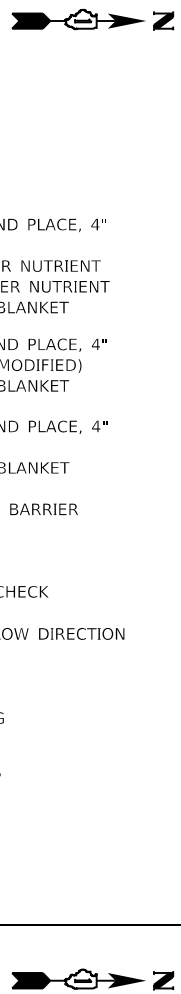
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

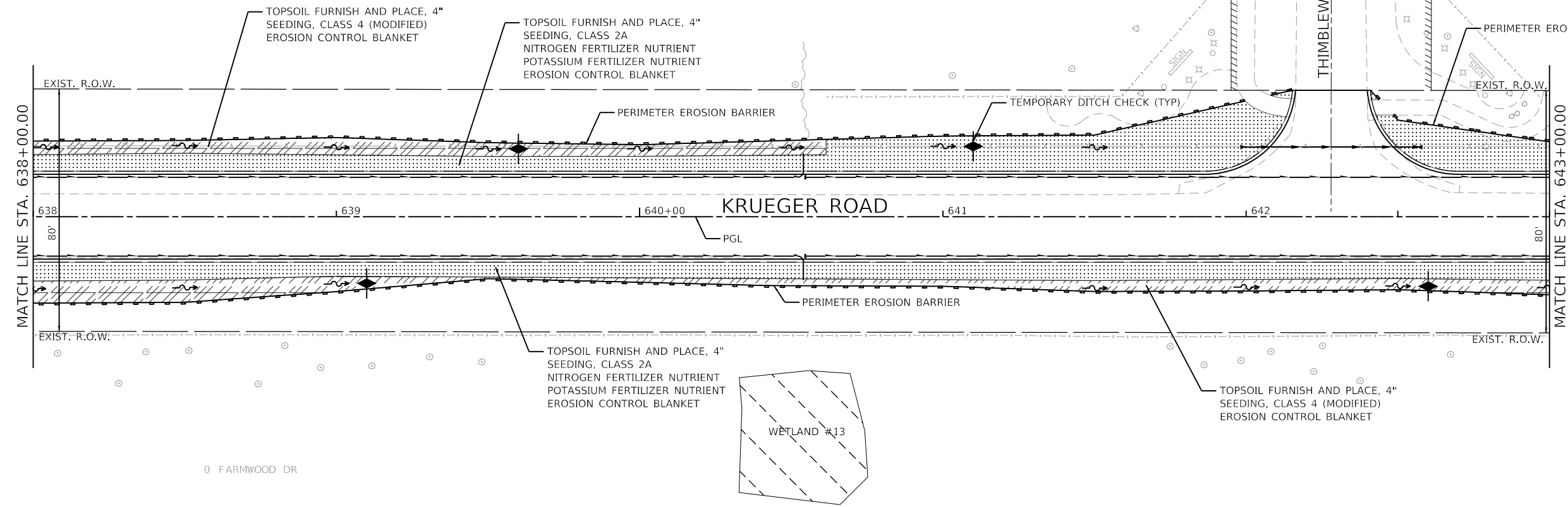
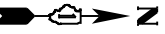


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









- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4 (MODIFIED) EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECK
- PROPOSED DITCH FLOW DIRECTION
- PROPOSED TREES
- TREE ROOT PRUNING
- EXISTING WETLANDS



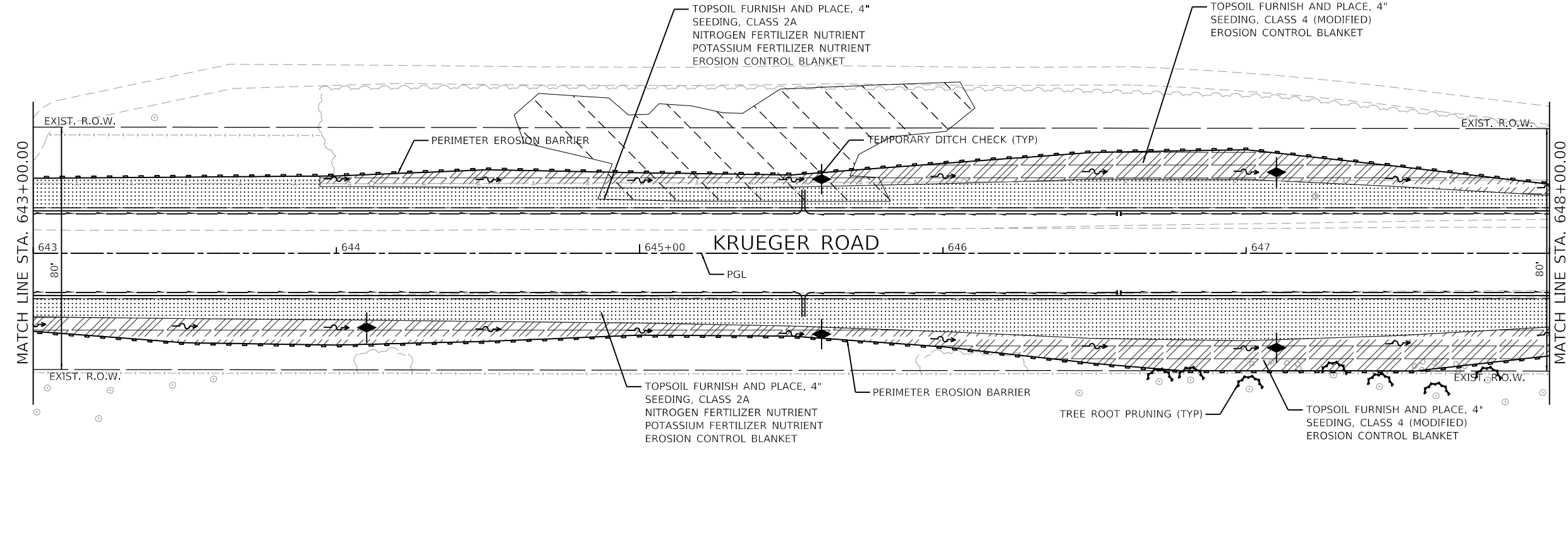
4800 N KRUEGER RD



LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4 (MODIFIED) EROSION CONTROL BLANKET
-  TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  PROPOSED DITCH FLOW DIRECTION
-  PROPOSED TREES
-  TREE ROOT PRUNING
-  EXISTING WETLANDS

4800 N KRUEGER RD



GHA GEWALT HAMILTON ASSOCIATES, INC.

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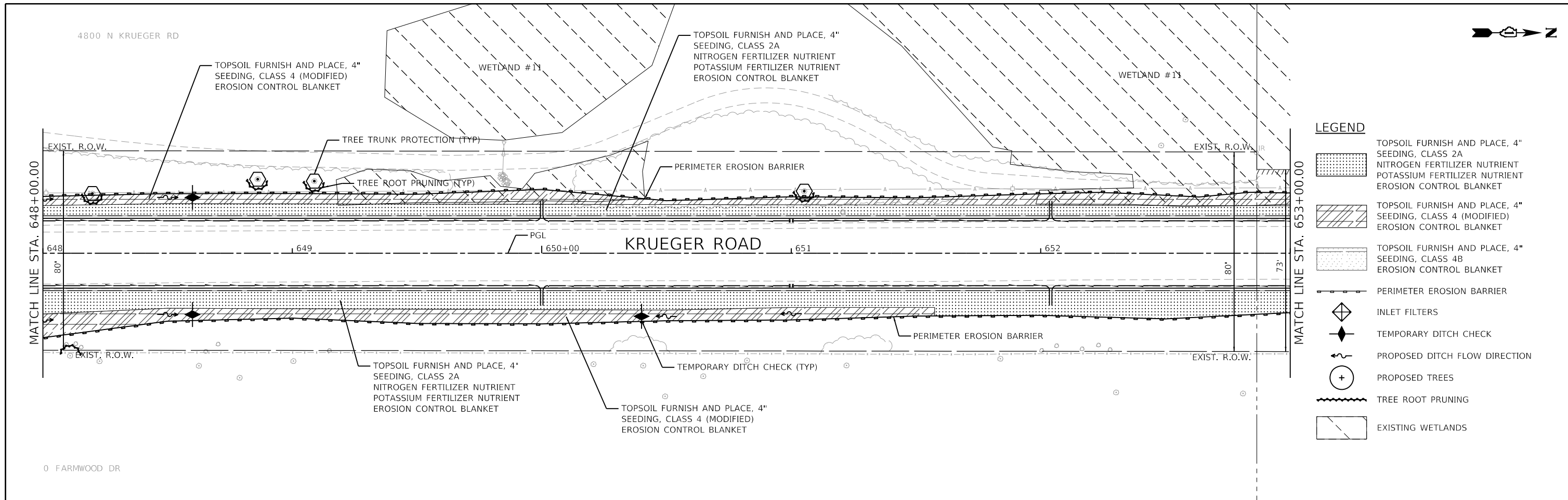
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

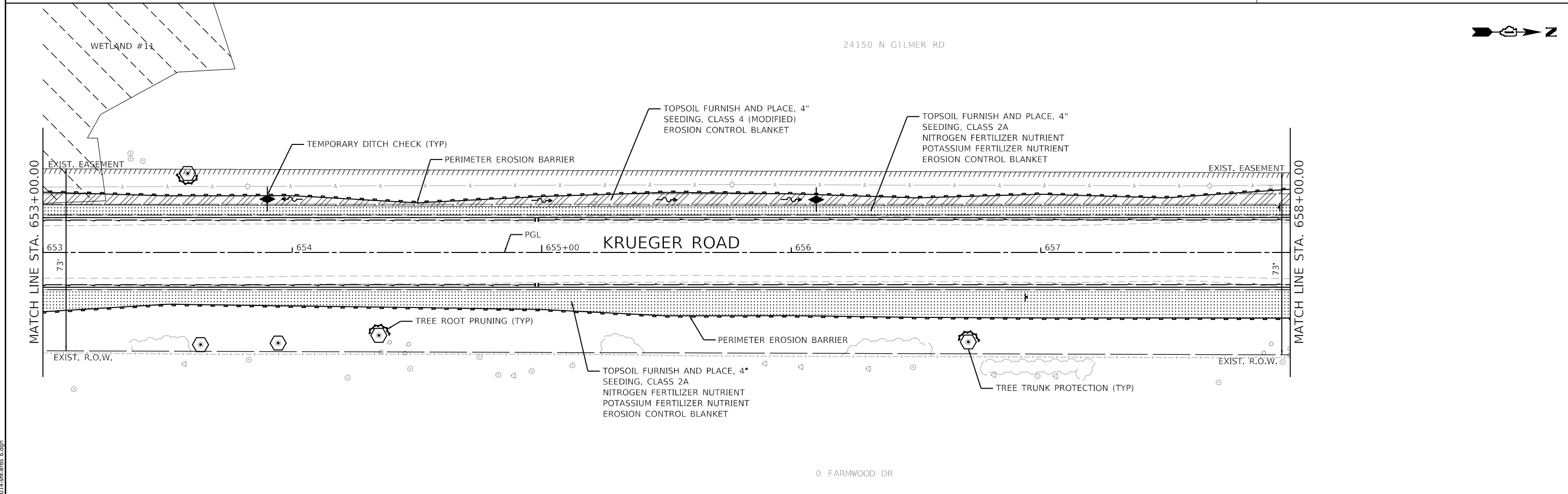
SOIL EROSION AND SEDIMENT CONTROL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 5 OF 7 SHEETS	STA. 638+00.00 TO STA. 648+00.00	

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	47
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT



LEGEND

	TOPSOIL FURNISH AND PLACE, 4\"/>
	TOPSOIL FURNISH AND PLACE, 4\"/>
	TOPSOIL FURNISH AND PLACE, 4\"/>
	PERIMETER EROSION BARRIER
	INLET FILTERS
	TEMPORARY DITCH CHECK
	PROPOSED DITCH FLOW DIRECTION
	PROPOSED TREES
	TREE ROOT PRUNING
	EXISTING WETLANDS



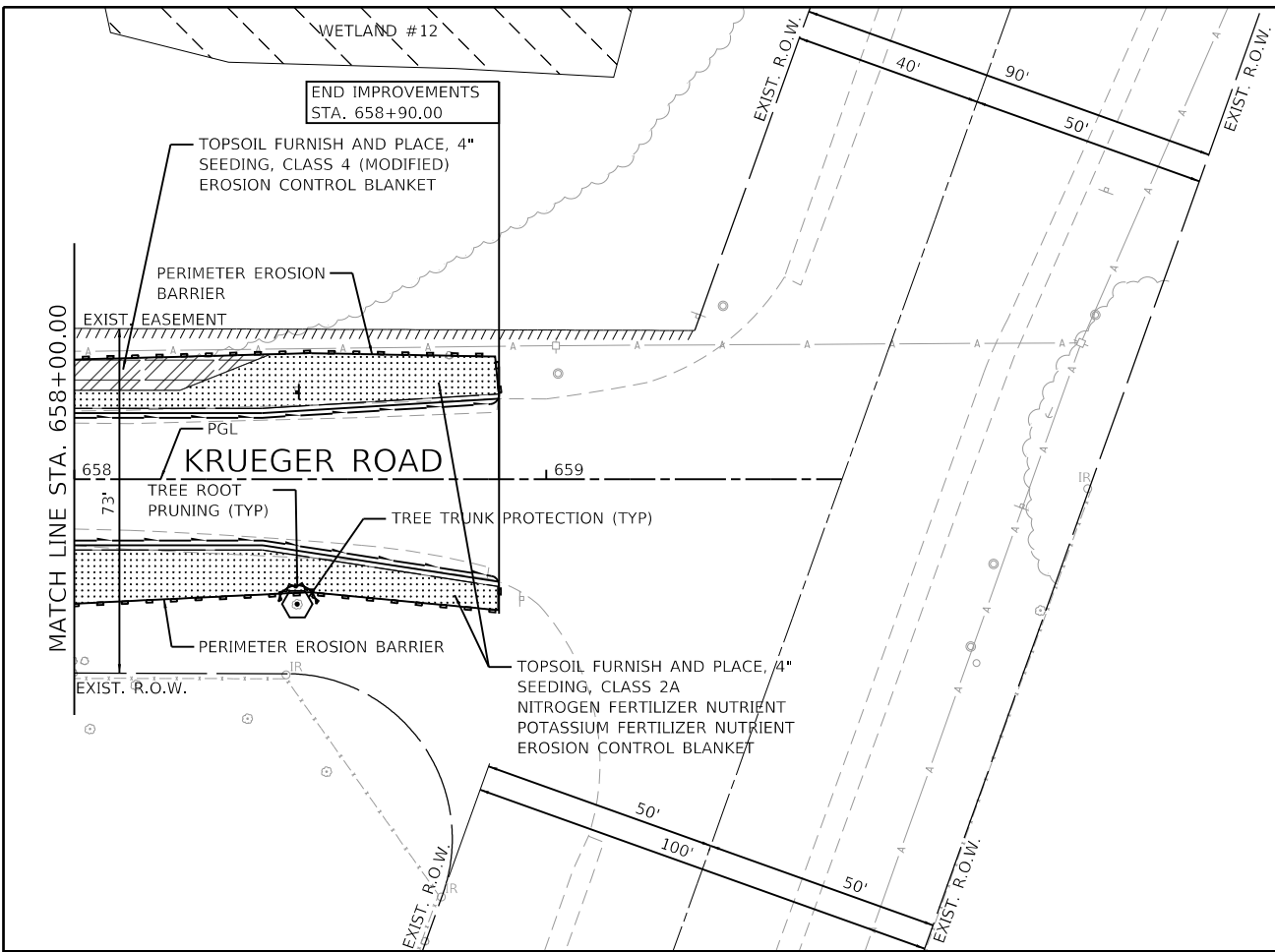
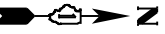
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 648+00.00 TO STA. 658+00.00

MU N RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 48
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	



LEGEND

- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4 (MODIFIED) EROSION CONTROL BLANKET
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 4B EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECK
- PROPOSED DITCH FLOW DIRECTION
- PROPOSED TREES
- TREE ROOT PRUNING
- EXISTING WETLANDS

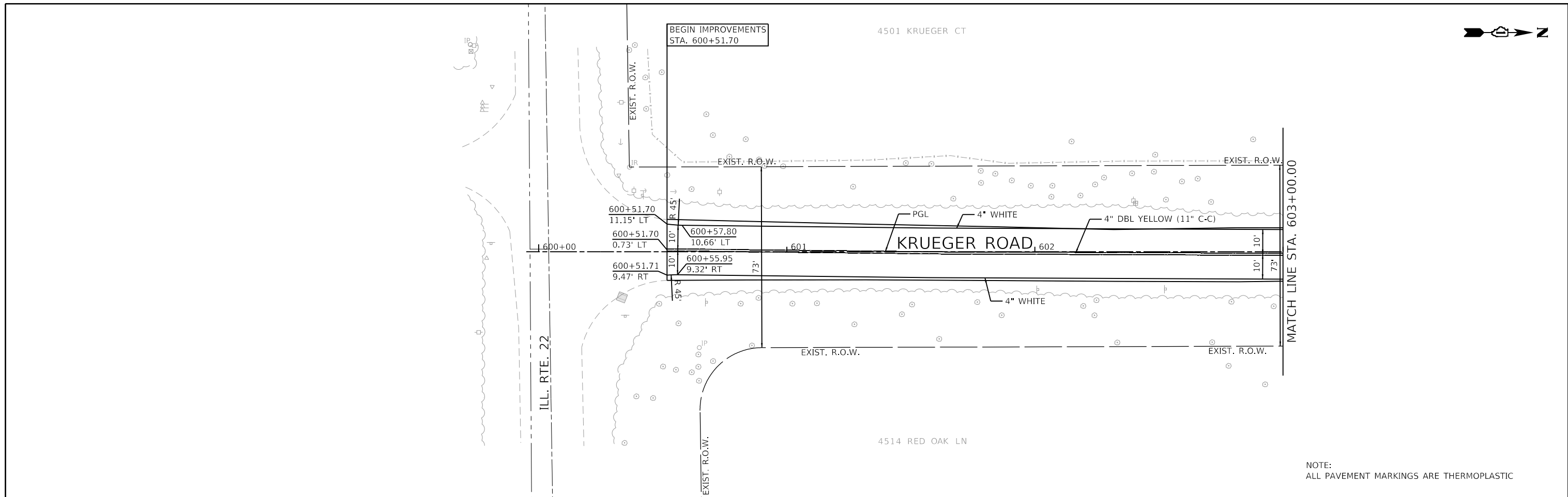
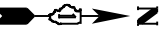
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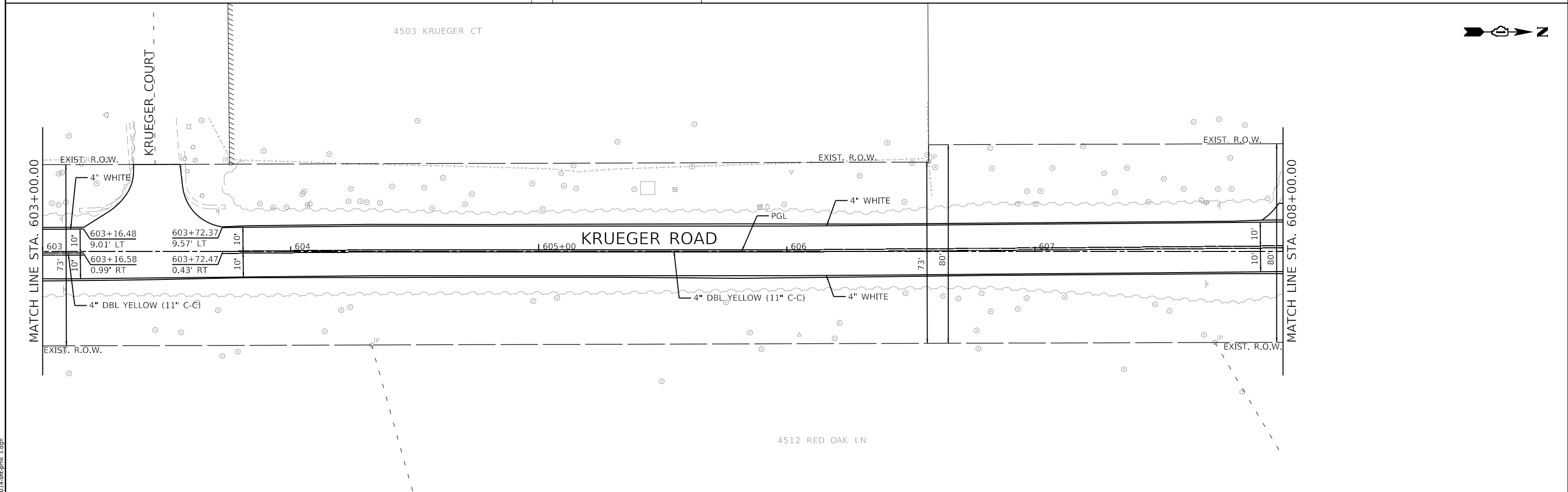
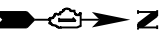
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL EROSION AND SEDIMENT CONTROL PLANS			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 7 OF 7 SHEETS	STA. 658+00.00 TO STA. 659+62.66	

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	49
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				



NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC



GHA GEWALT HAMILTON
ASSOCIATES, INC.

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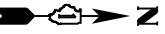
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DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 600+00.00 TO STA. 608+00.00

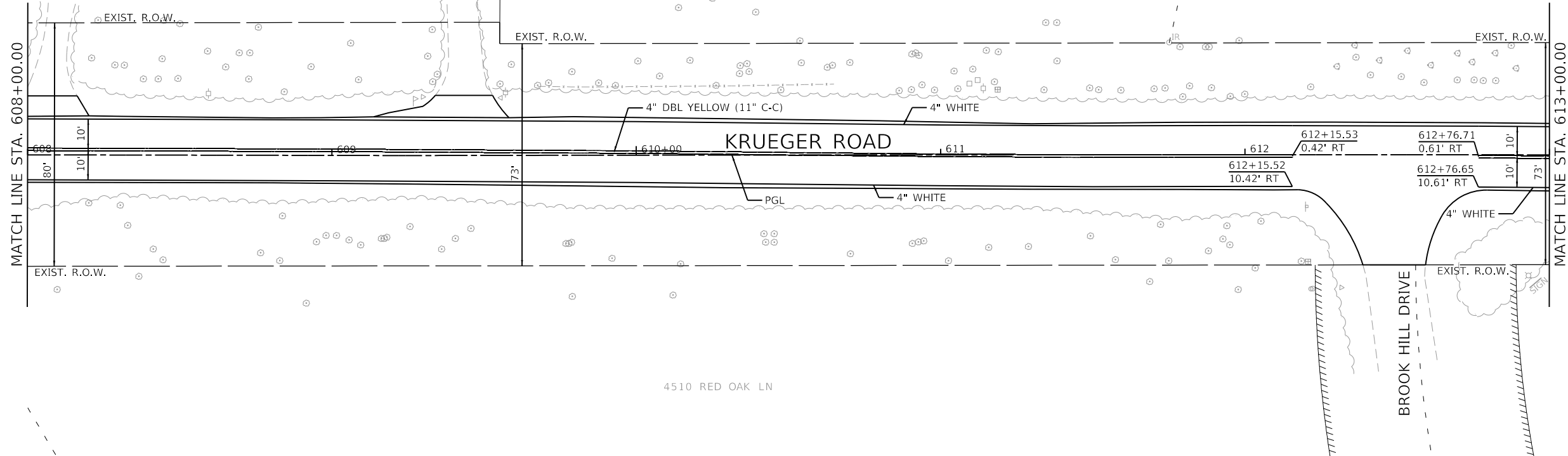
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2030	16-00010-00-PV	LAKE	84	50
CONTRACT NO. 61G40				
ILLINOIS		FED. AID PROJECT		



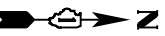
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4548 KIMBERLY CT

4



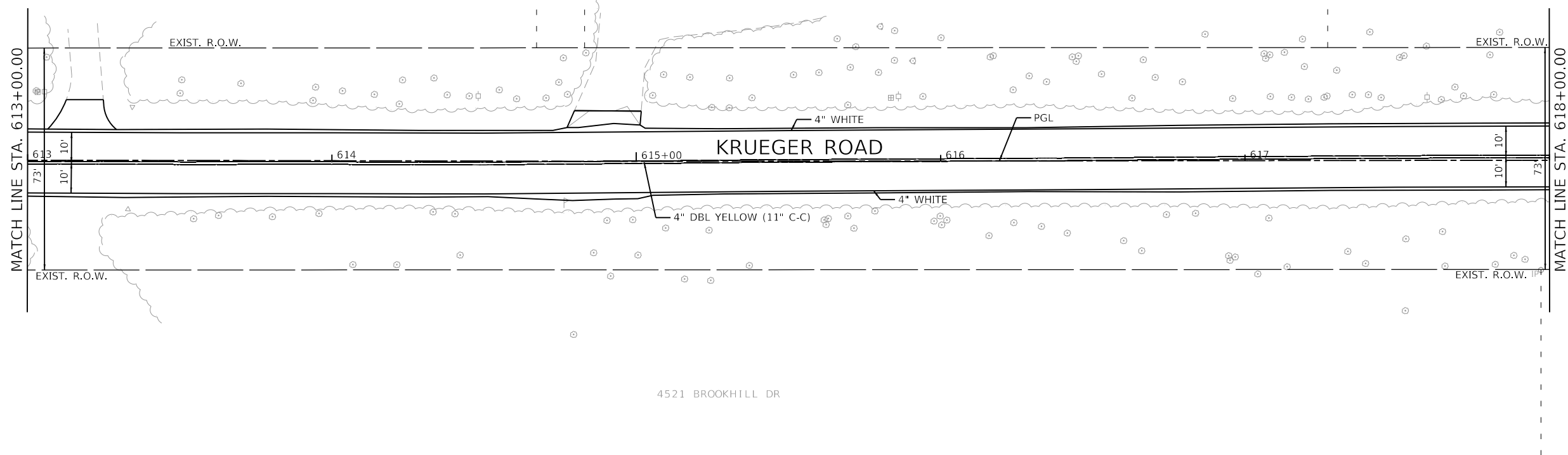
NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC



529 N KRUEGER RD

4531 N KRUEGER RD

4531 KR



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REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

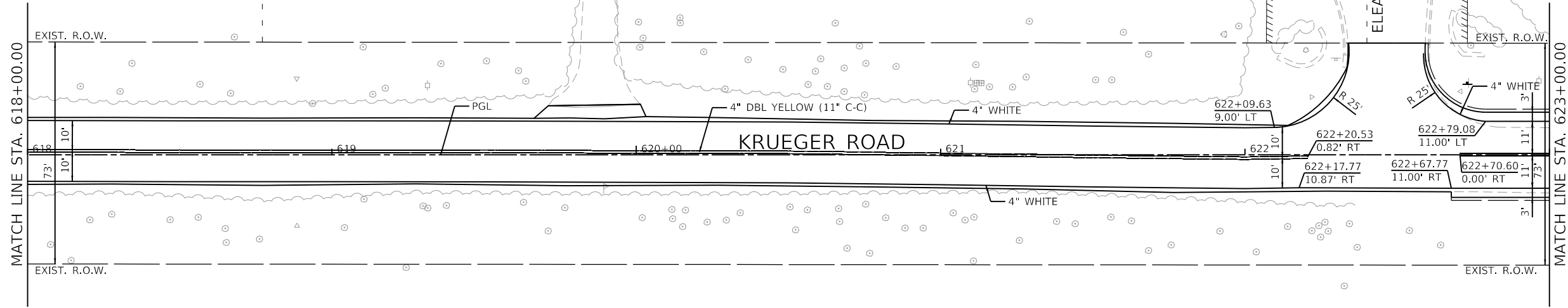
PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 608+00.00 TO STA. 618+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	51
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

UEGER RN

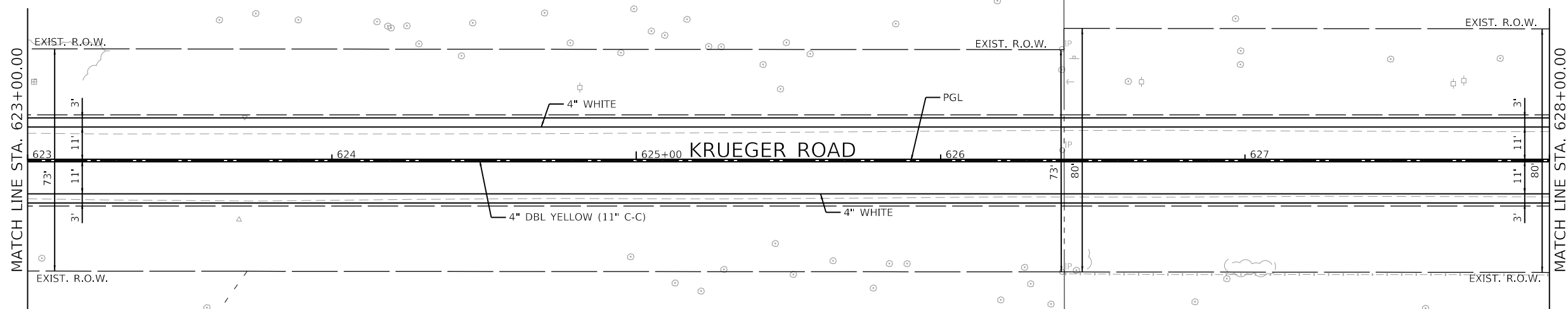
4533 ELEANOR DR



4523 RED OAK LN

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC

4530 ELEANOR DR



4525 RED OAK LN

GHA GEWALT HAMILTON ASSOCIATES, INC.

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DATE =	12/21/2020

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DATE -	12/21/2020	REVISED -	

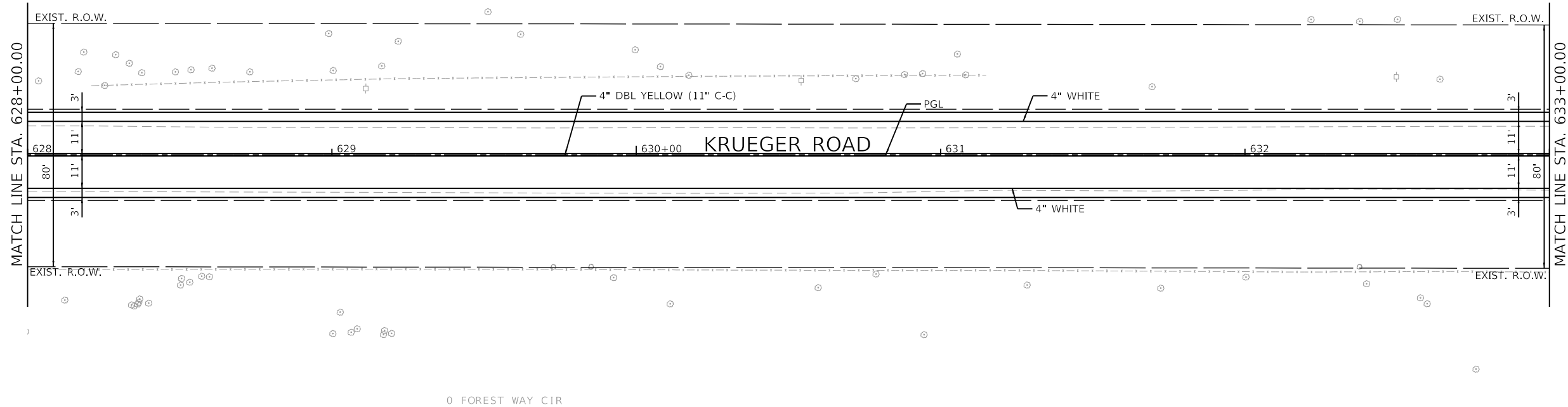
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 618+00.00 TO STA. 628+00.00

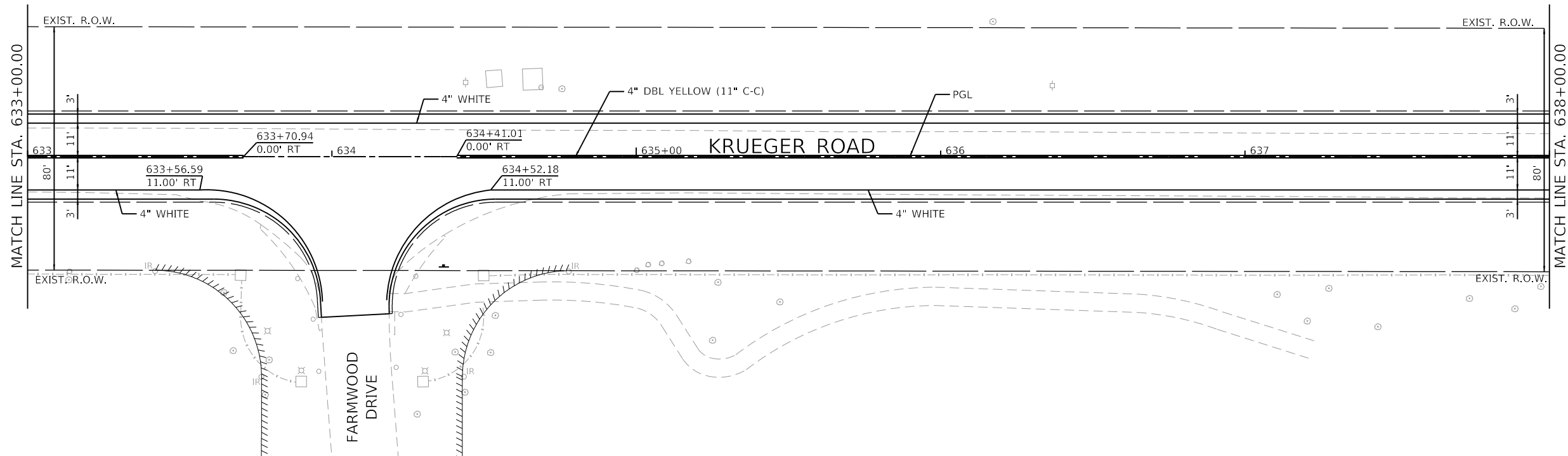
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2030	16-00010-00-PV	LAKE	84	52
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

4800 N KRUEGER RD



0 FOREST WAY CIR

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC



MODEL: Default
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DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 12/21/2020	REVISED -

DESIGNED - MGC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 12/21/2020	REVISED -

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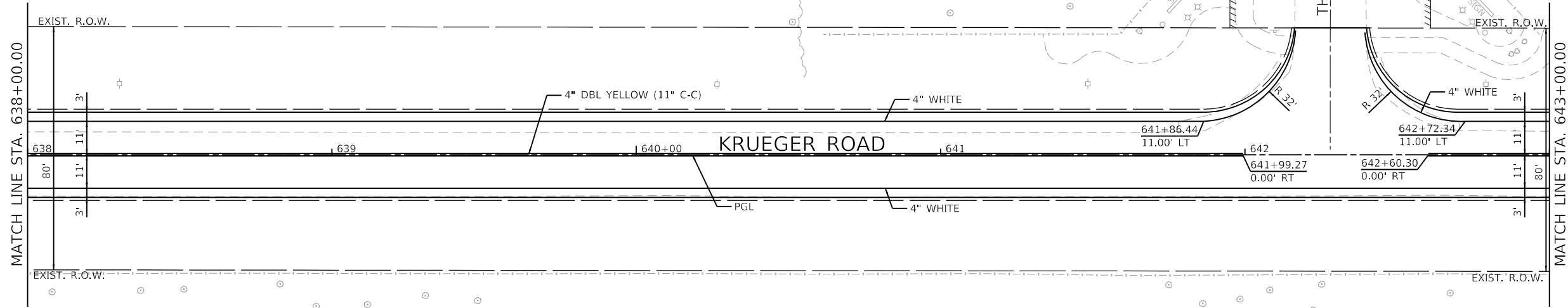
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS

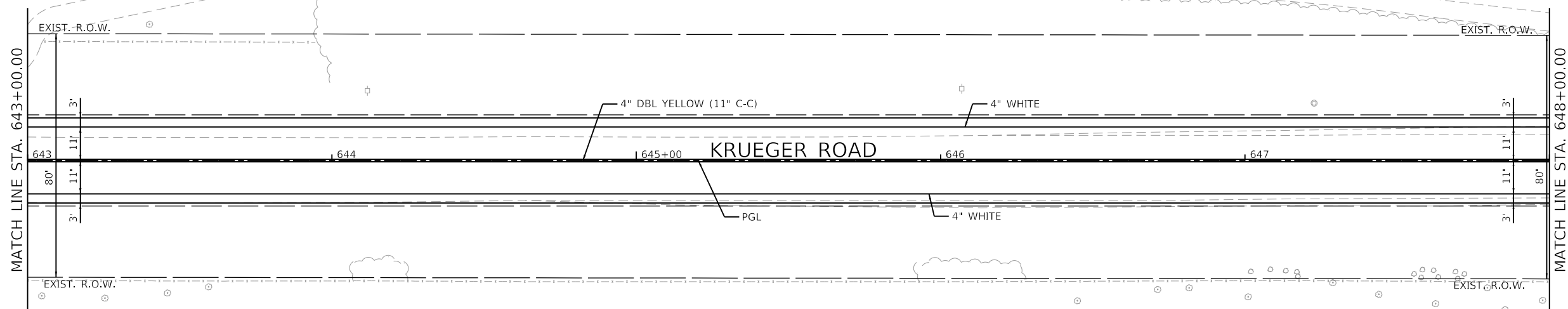
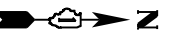
SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. 628+00.00 TO STA. 638+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	53
CONTRACT NO. 61G40				
ILLINOIS		FED. AID PROJECT		

4800 N KRUEGER RD



4800 N KRUEGER RD



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Default	

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DATE -	12/21/2020

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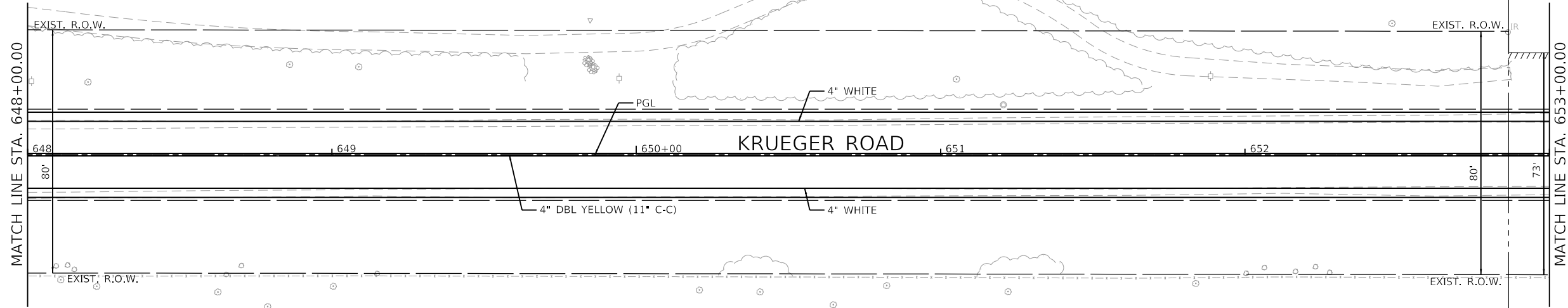
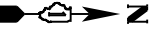
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 638+00.00 TO STA. 648+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	54
CONTRACT NO. 61G40				
ILLINOIS		FED. AID PROJECT		

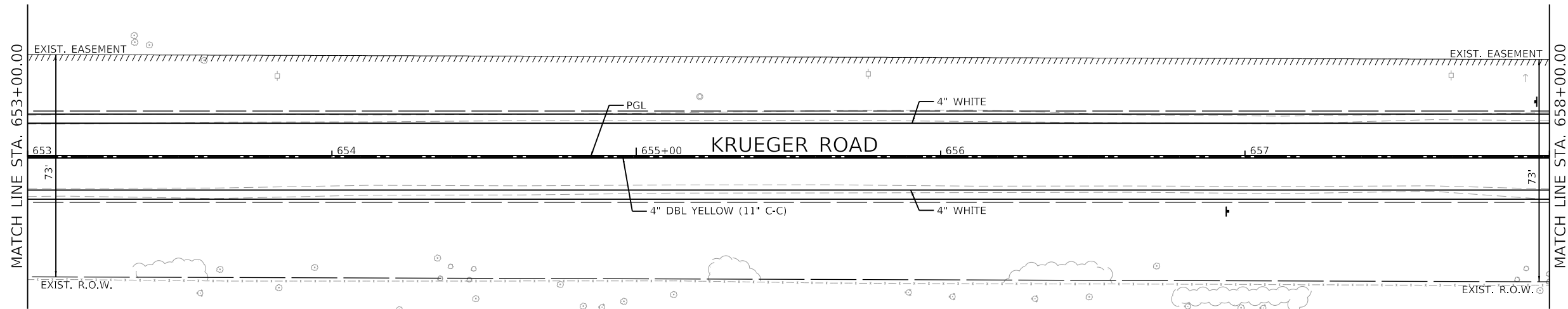
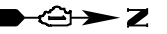
4800 N KRUEGER RD



0 FARMWOOD DR

NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC

24150 N GILMER RD



0 FARMWOOD DR

GHA GEWALT HAMILTON
ASSOCIATES, INC.

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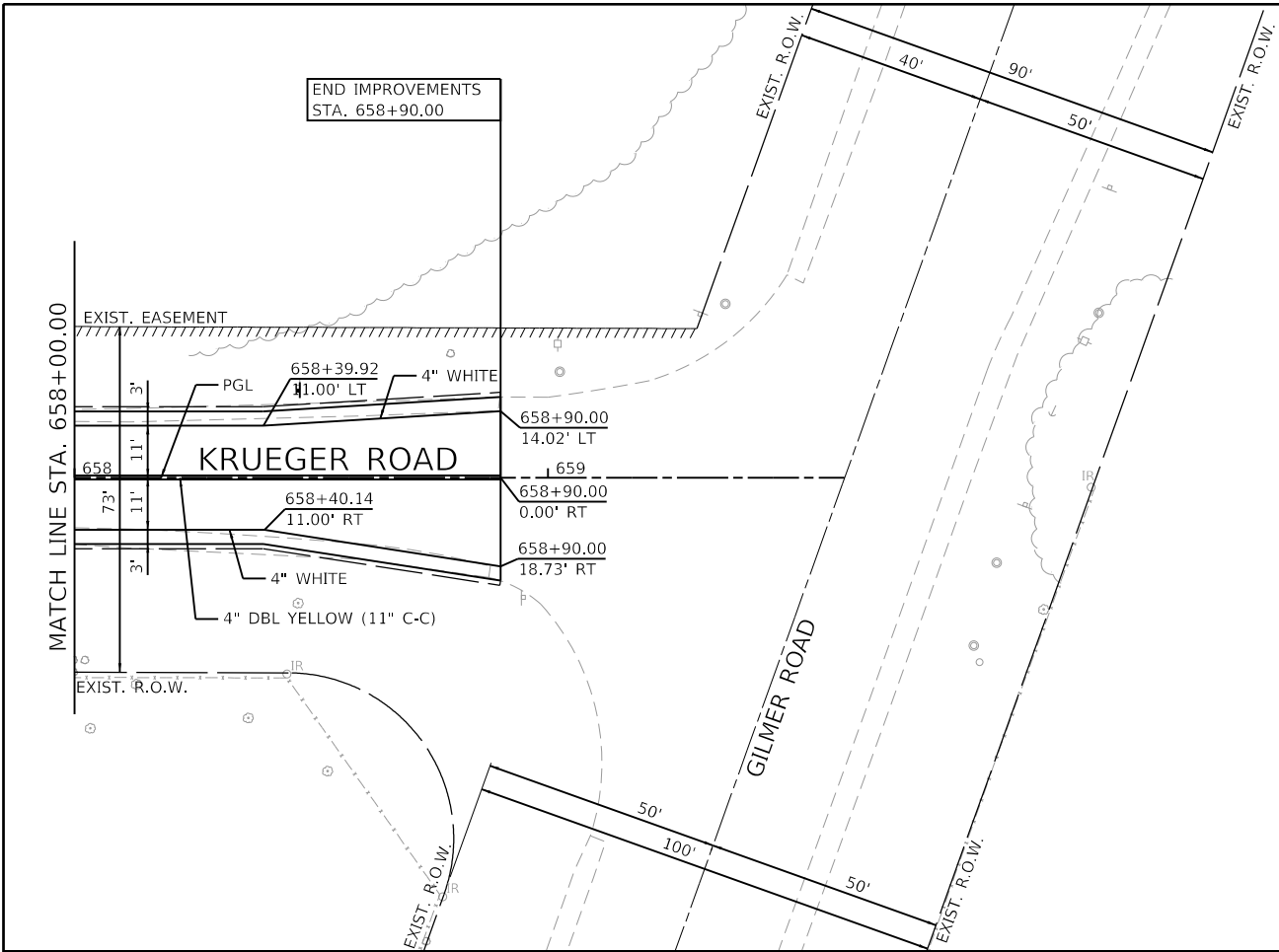
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 648+00.00 TO STA. 658+00.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	55
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	



NOTE:
ALL PAVEMENT MARKINGS ARE THERMOPLASTIC

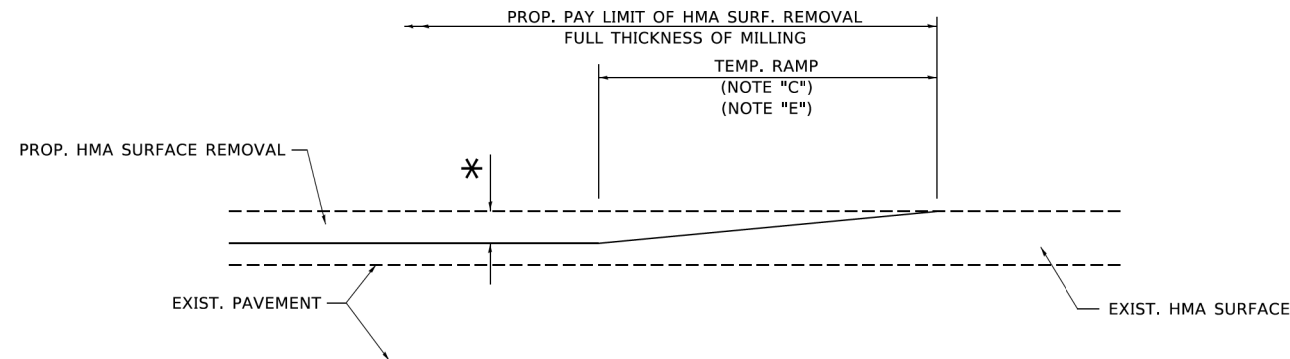
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

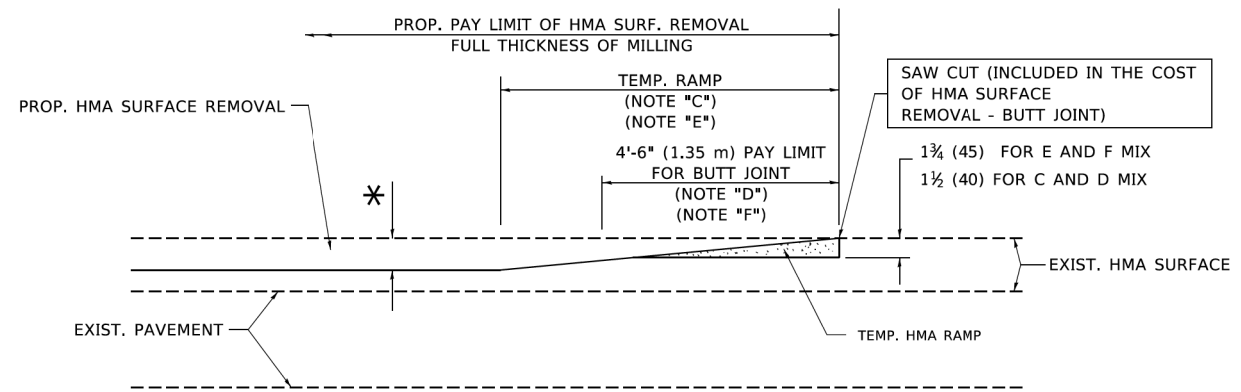
PAVEMENT MARKING PLAN			
NORTH KRUEGER ROAD IMPROVEMENTS			
SCALE: 1"=20'	SHEET 7 OF 7 SHEETS	STA. 658+00.00	TO STA. 659+62.66

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	56
CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT	



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

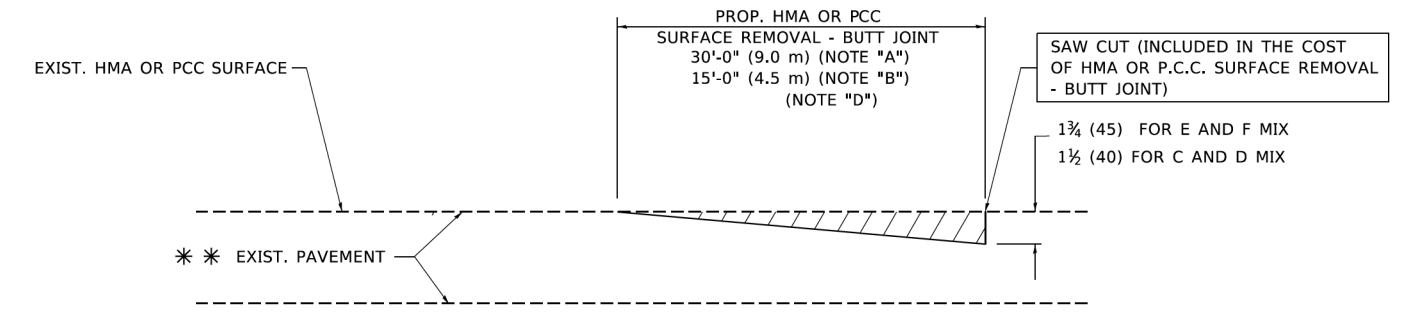
OPTION 1



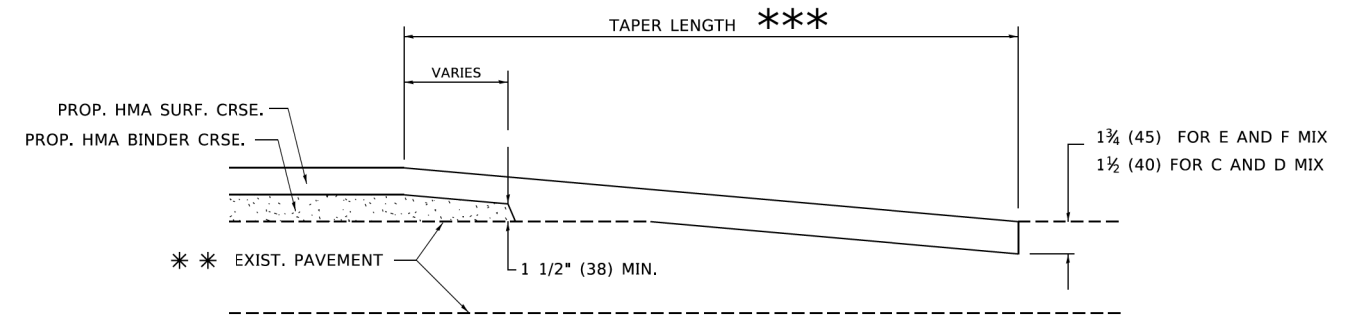
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

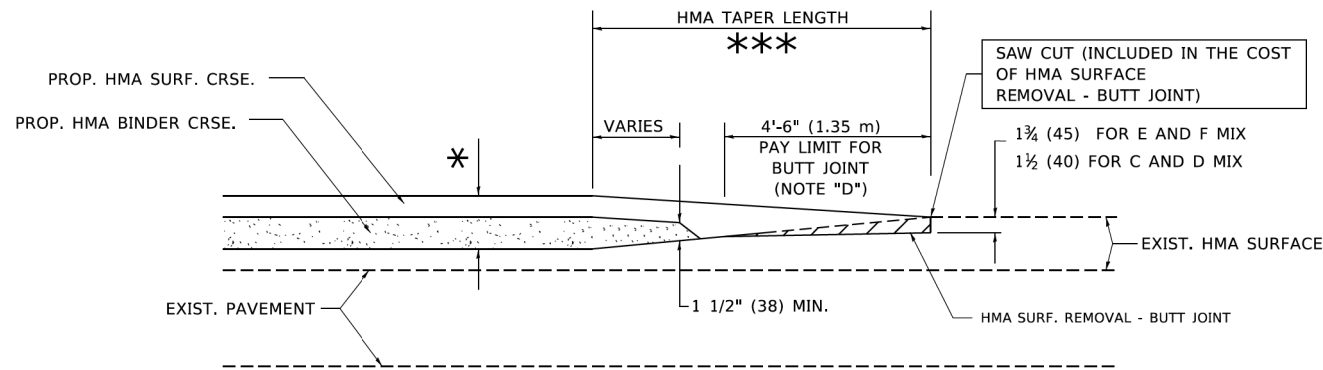
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

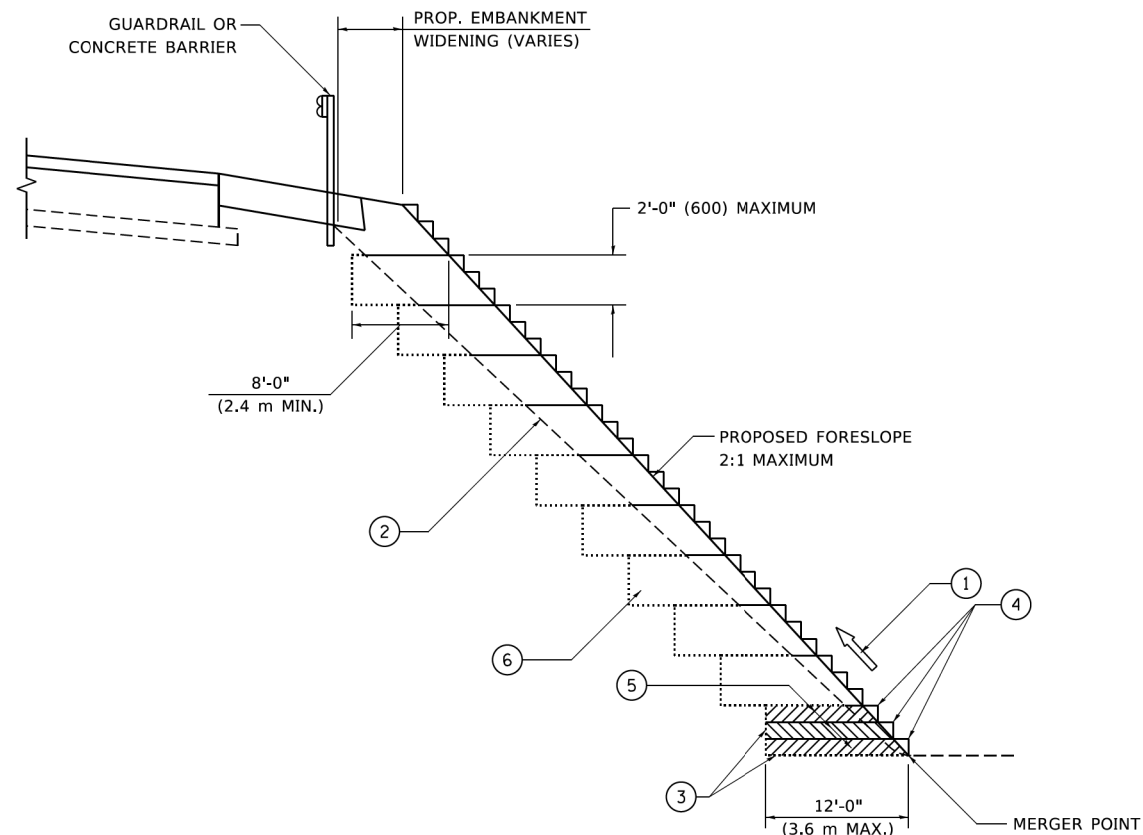
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	DRAWN -	REVISED - A. ABBAS 03-21-97
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PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A. N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	57
BD400-05 BD32		CONTRACT NO. 61G40		
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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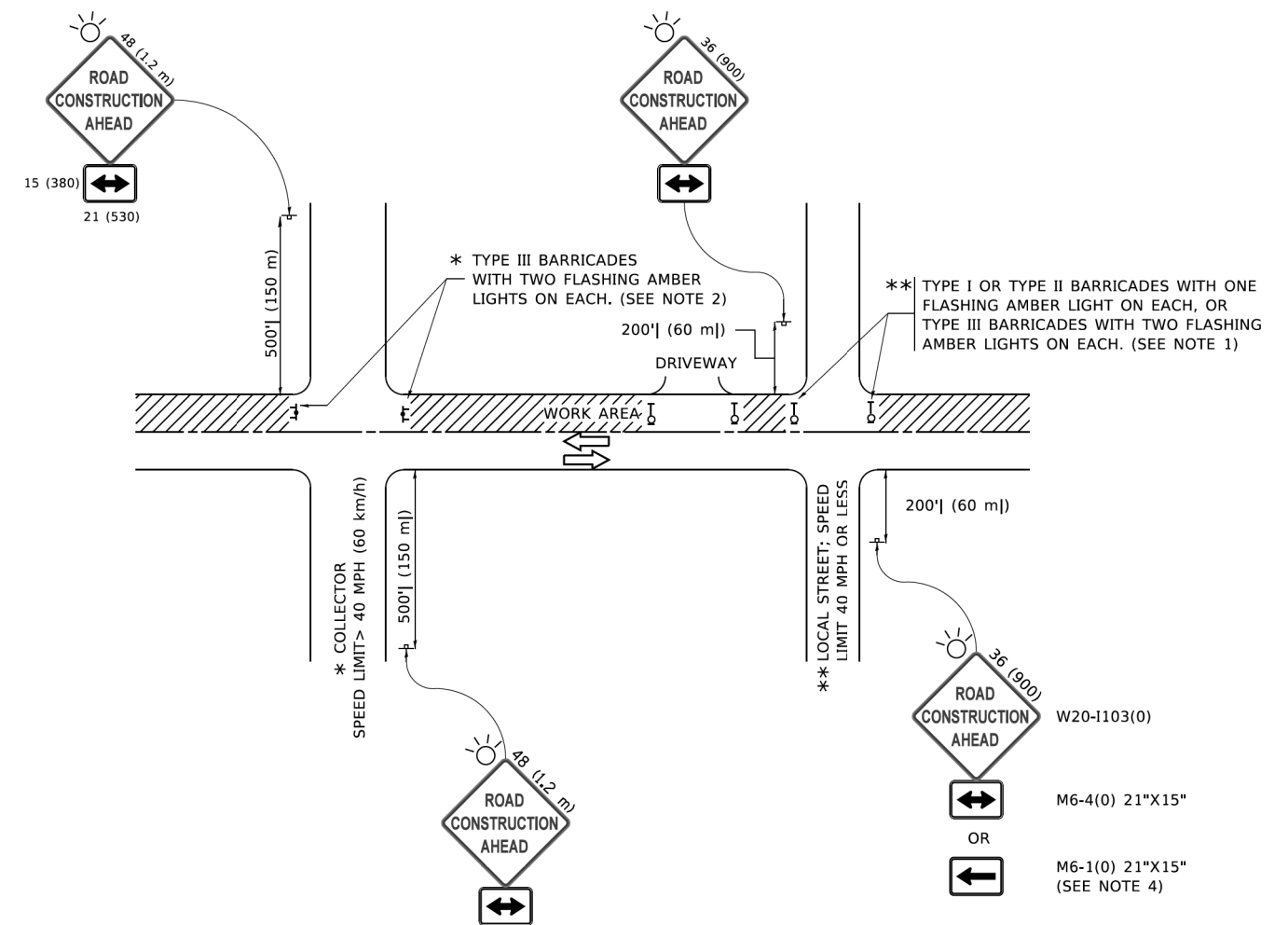
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PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	58
BD-51		CONTRACT NO. 61G40		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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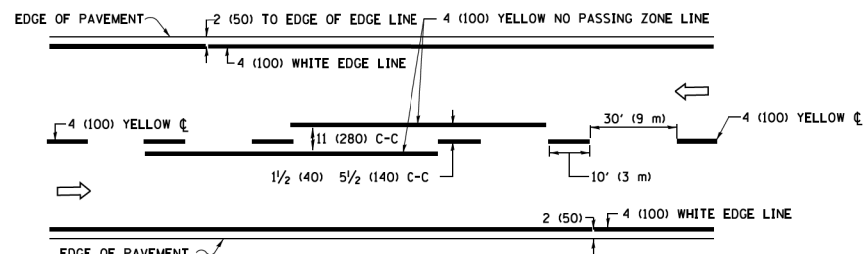
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

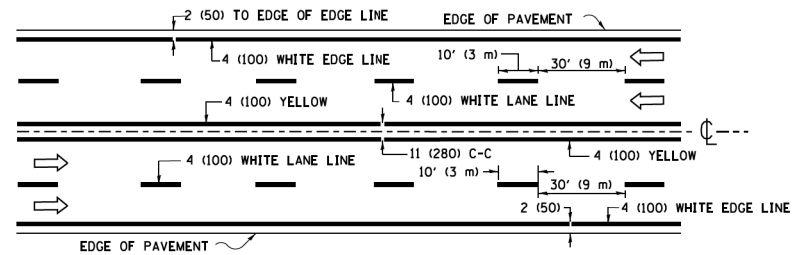
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

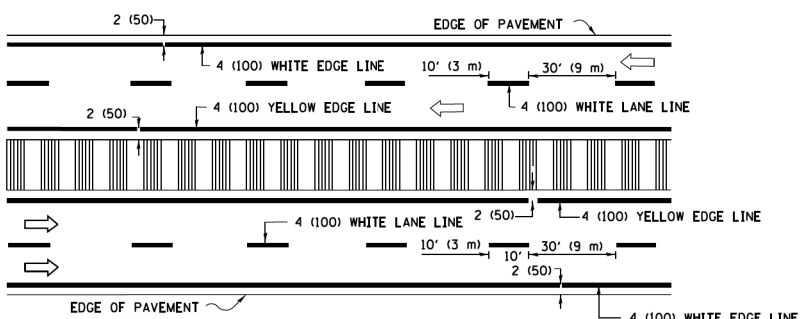
F.A. N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	59
TC-10			CONTRACT NO. 61G40	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

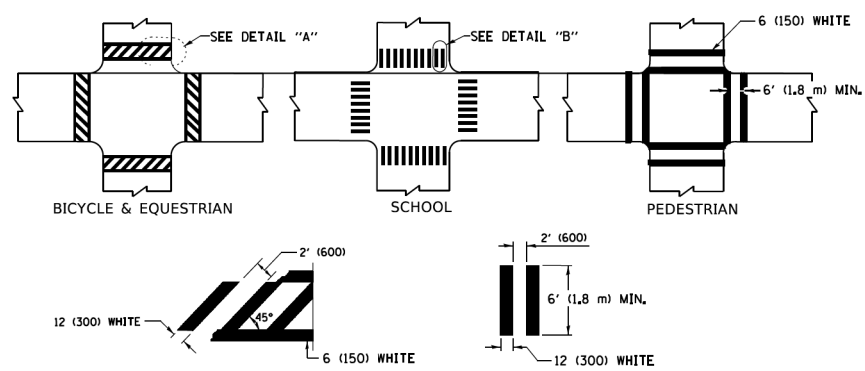


MULTI-LANE UNDIVIDED



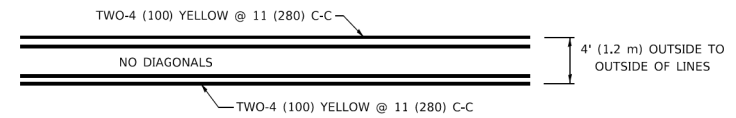
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

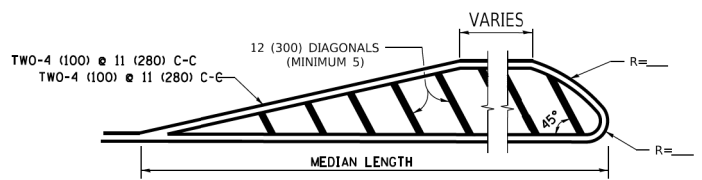


TYPICAL CROSSWALK MARKING

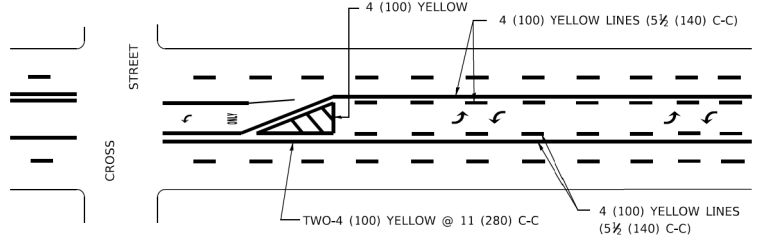
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



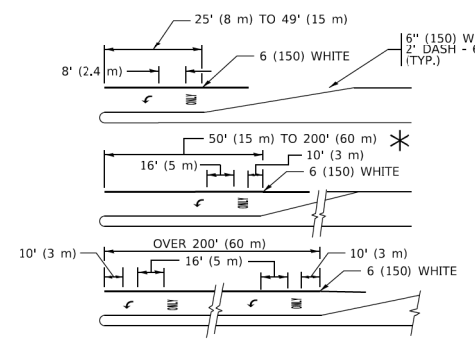
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



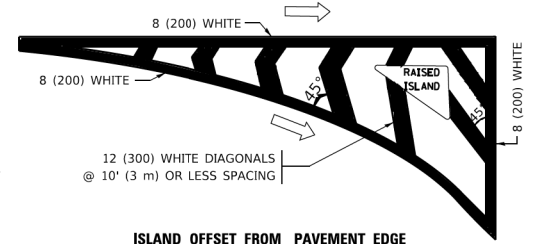
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



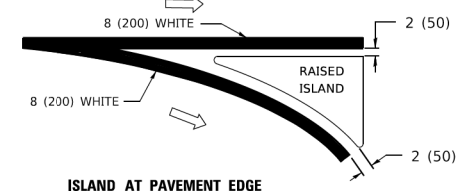
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

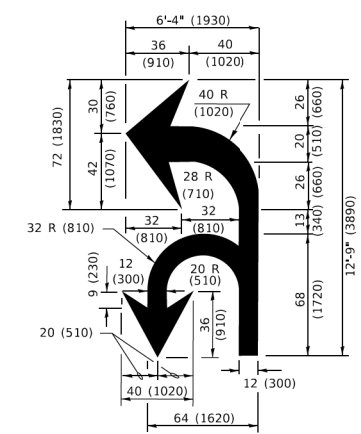


ISLAND OFFSET FROM PAVEMENT EDGE

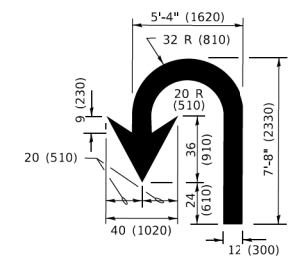


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
 * LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) APART 2' (600) APART	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

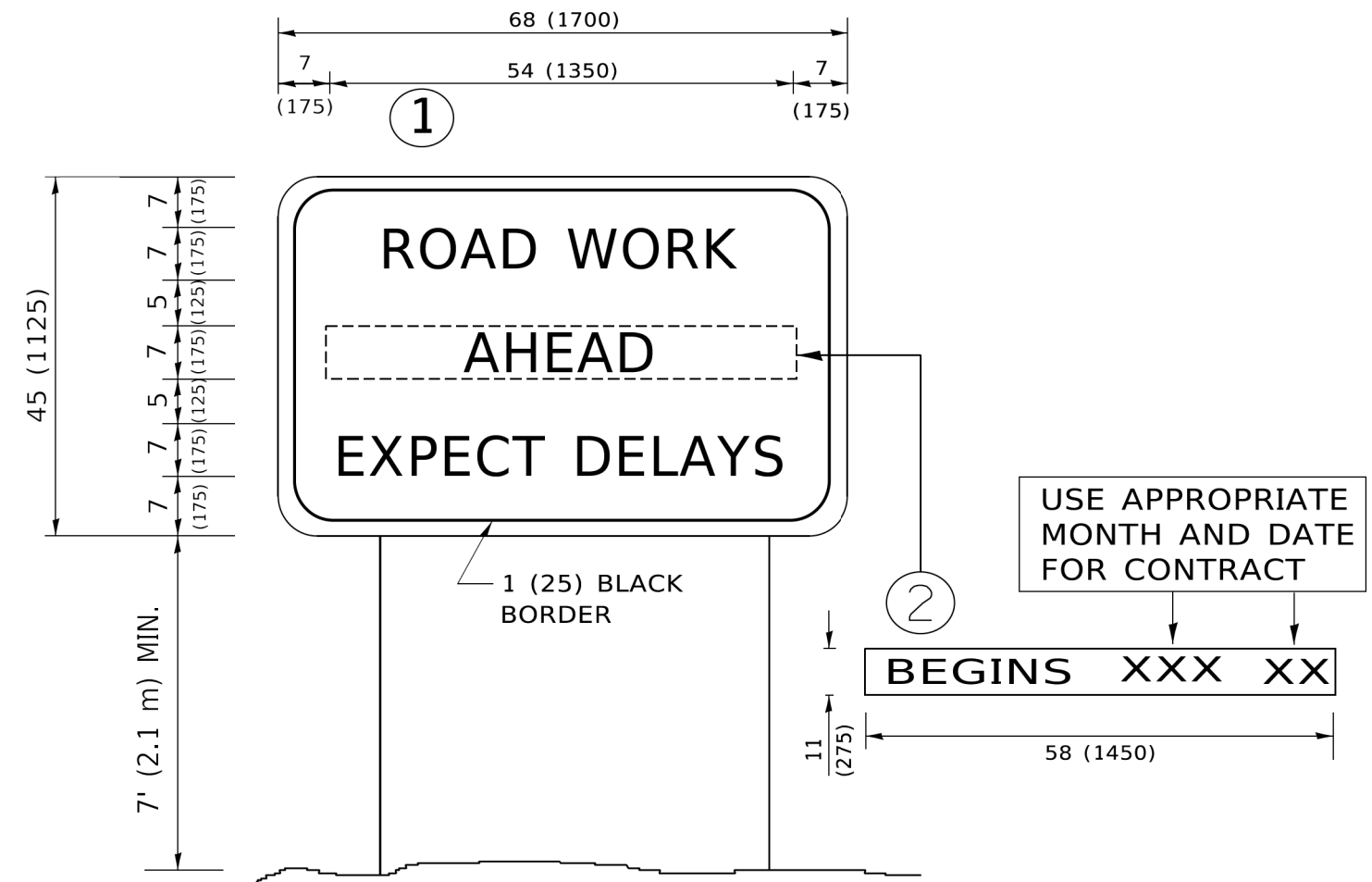
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PLOT SCALE = 50.00000 ' / ft.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	60
TC-13			CONTRACT NO. 61G40	
ILLINOIS		FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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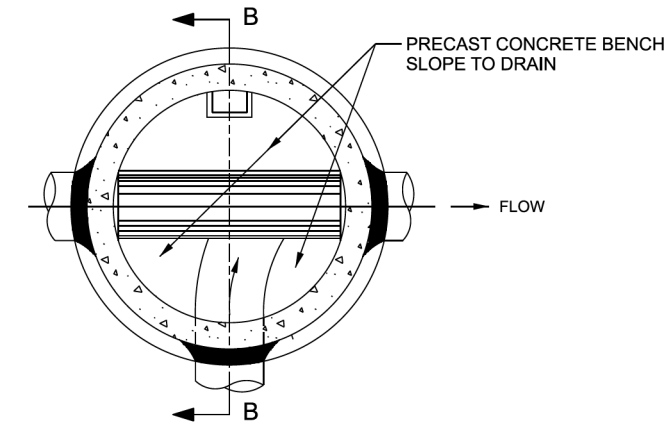
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

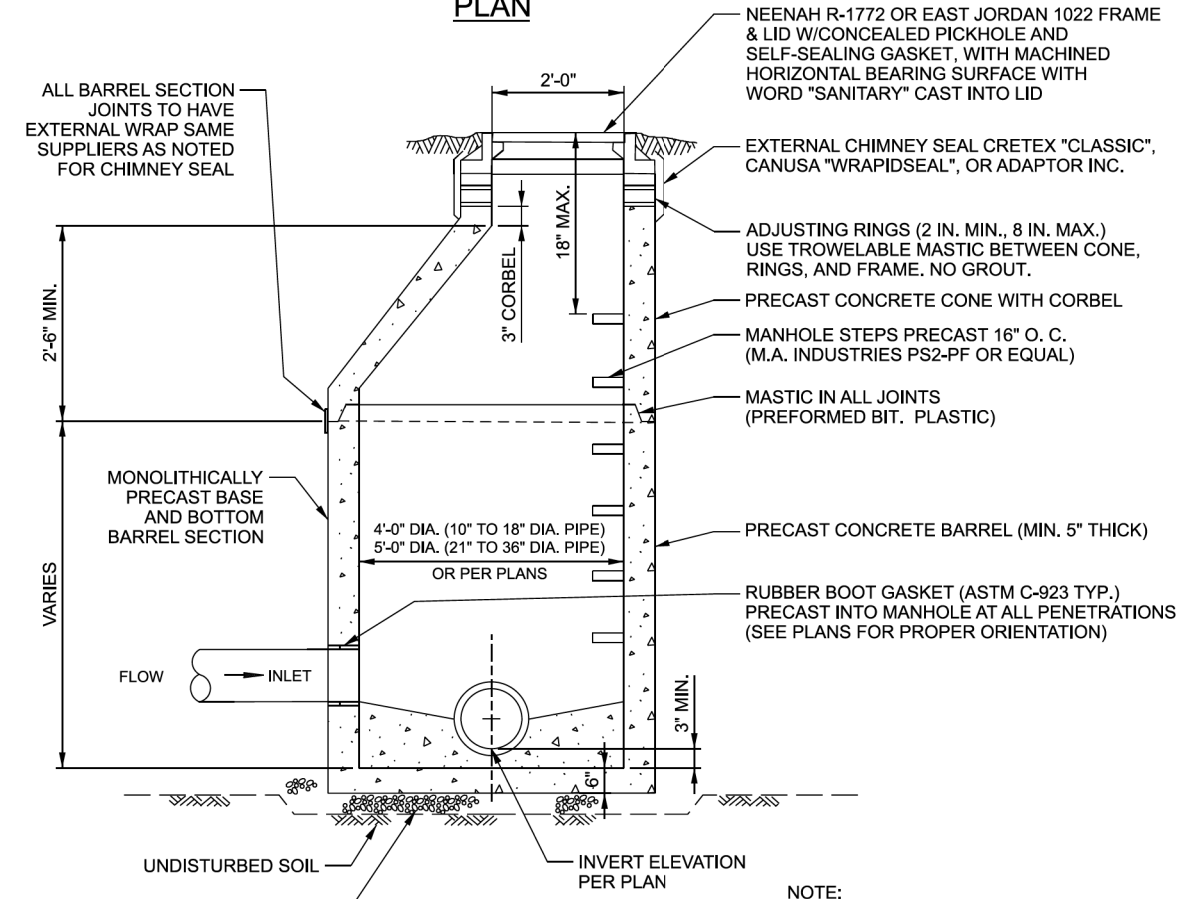
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	61
TC-22			CONTRACT NO. 61G40	
ILLINOIS FED. AID PROJECT				



PLAN



SECTION B-B

NOTE:
FIRST TWO MANHOLES DOWNSTREAM OF A FORCE MAIN DISCHARGE TO HAVE A FACTORY APPLIED INTERIOR COATING RESISTANT TO HYDROGEN SULFIDE GASES.



SANITARY MANHOLE

DATE: 6/26/15	ID: 1
REVISIONS DATE	
ENG-MAIN. UPDATE 7/24/18	

GHA GEWALT HAMILTON ASSOCIATES, INC.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

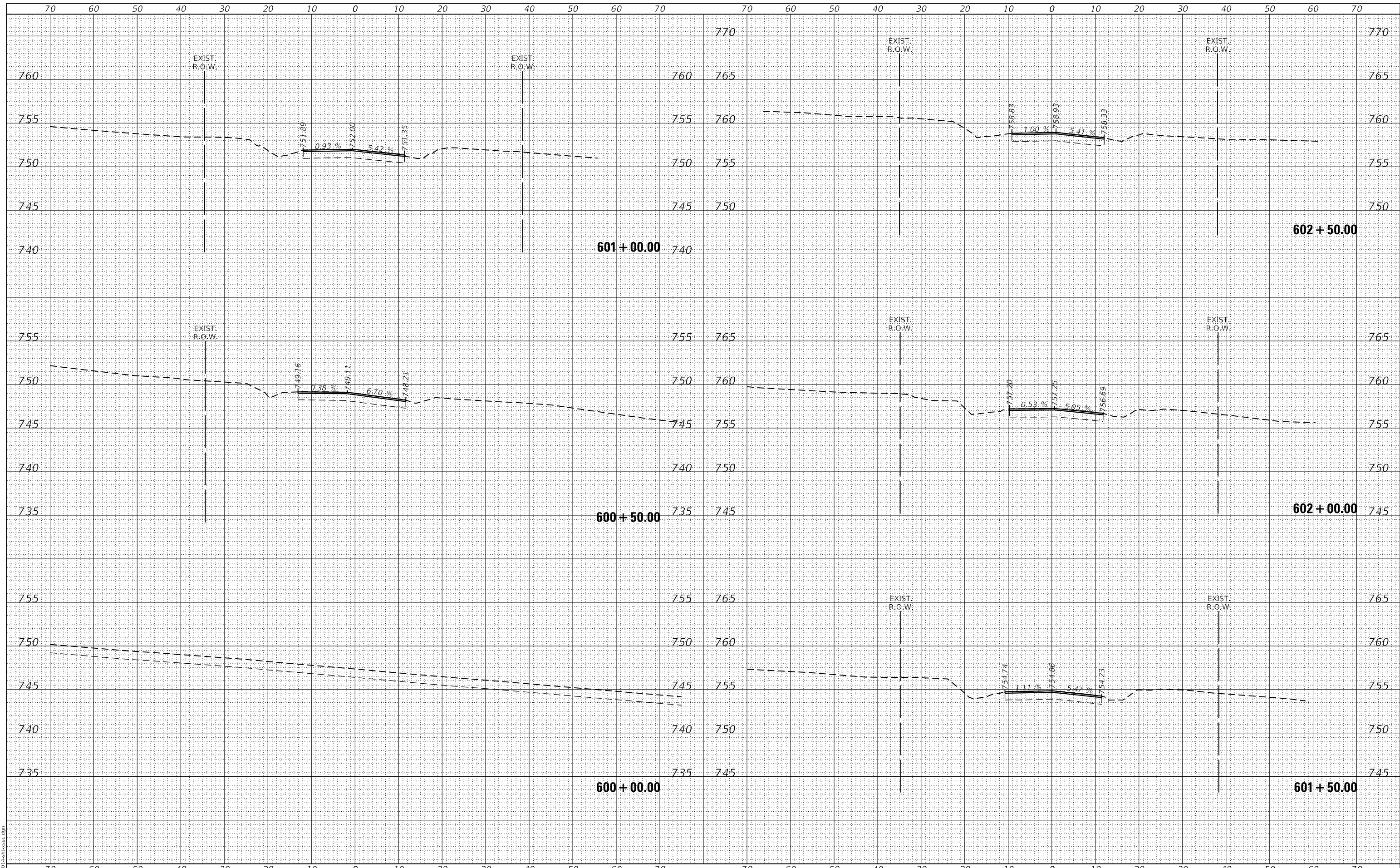
DETAILS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS STA. TO STA.

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	62
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	
AREAS CHECKED	

GHA GEWALT HAMILTON ASSOCIATES, INC.
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

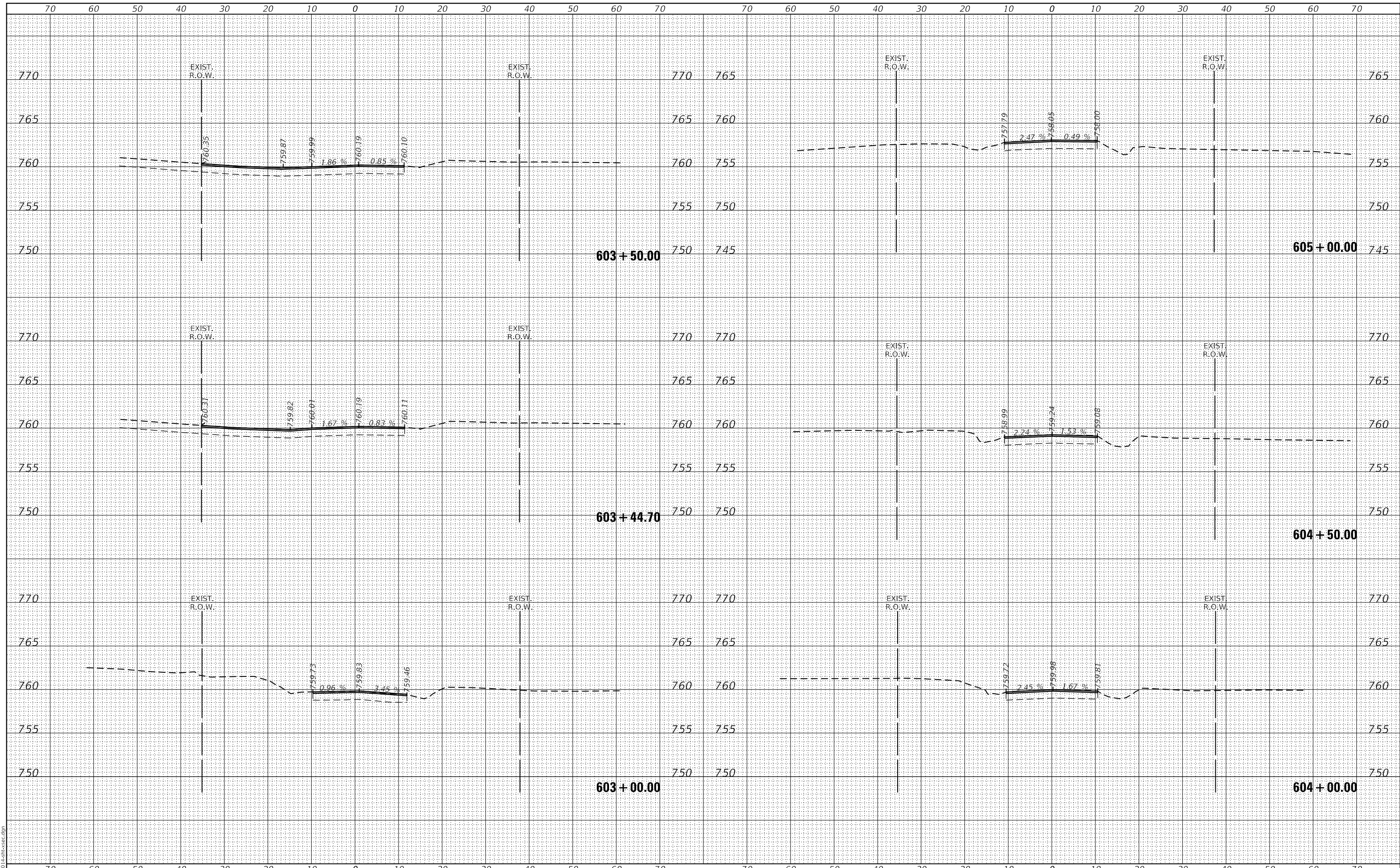
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 1 OF 22 SHEETS
V:1"=5'	STA. 600+00.00 TO STA. 602+50.00

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	63
				CONTRACT NO. 61G40
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
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	DATE - 12/21/2020
	REVISIONS
	REVISIONS
	REVISIONS

DESIGNED - MGC	REVISIONS
DRAWN - PJS	REVISIONS
CHECKED - KLB	REVISIONS
DATE - 12/21/2020	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

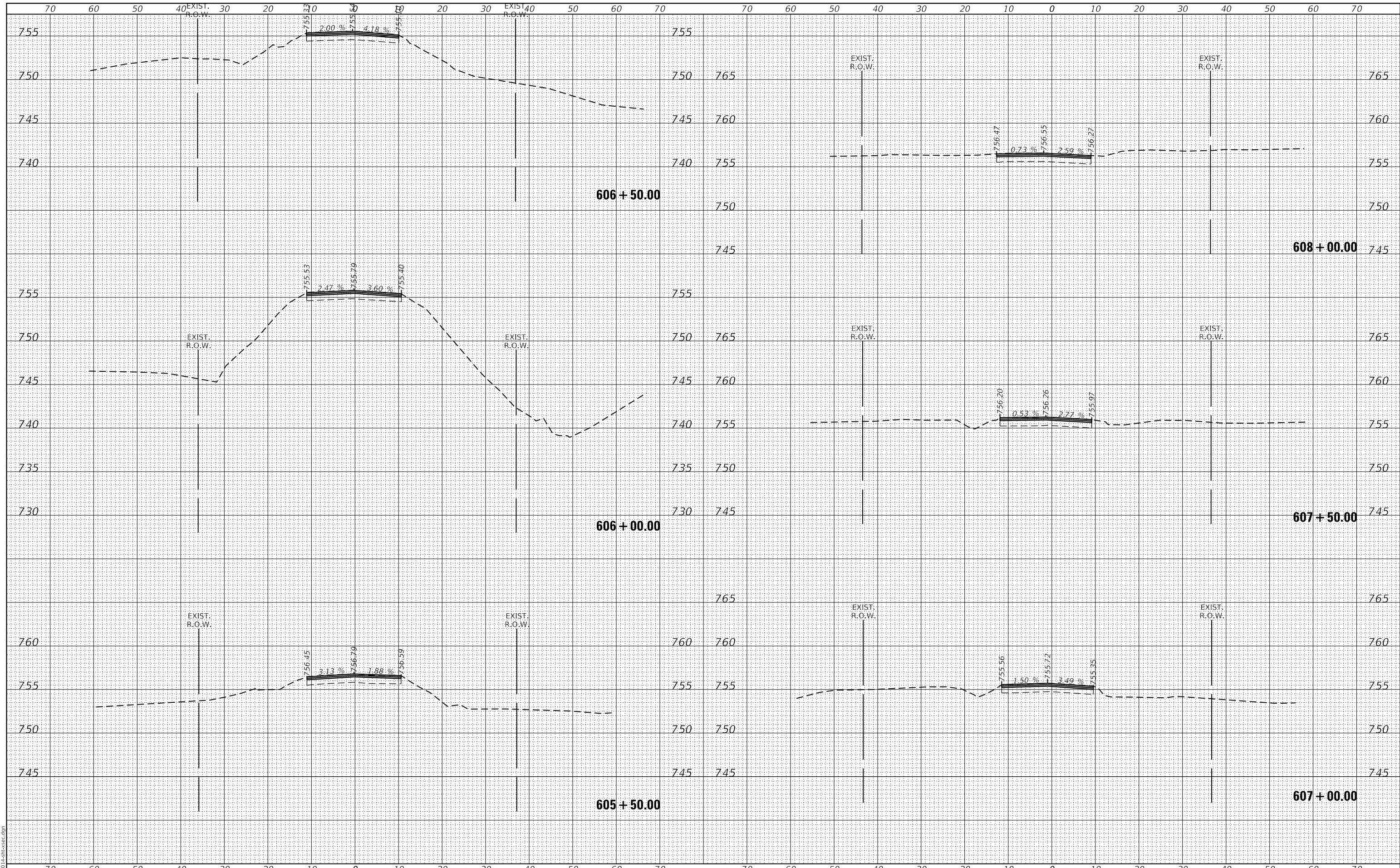
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H:1"=10'	SHEET 2 OF 22 SHEETS
V:1"=5'	STA. 603+00.00 TO STA. 605+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	64
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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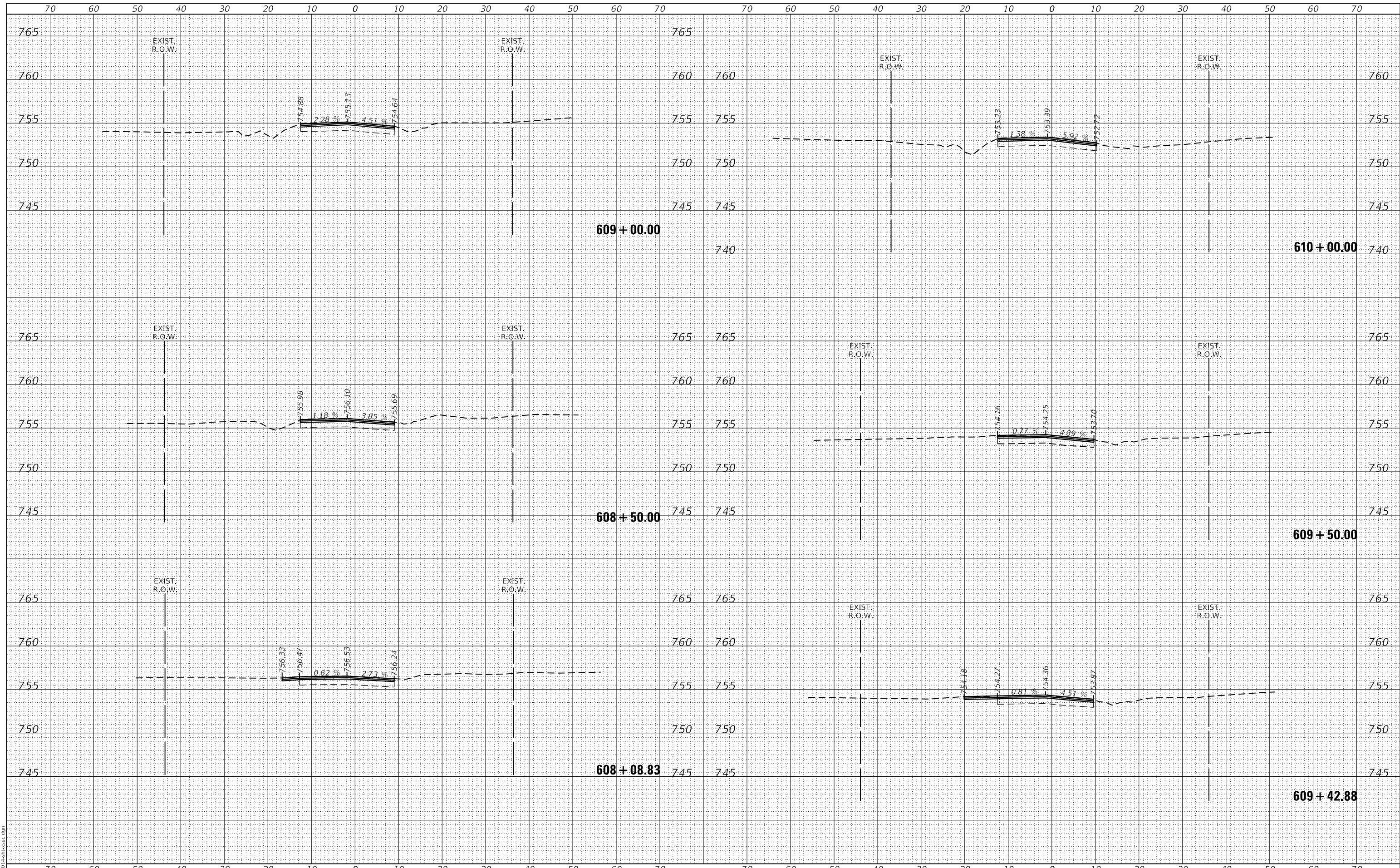


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5000.039		CHECKED - KLB	REVISED -		SCALE: H1"=10' V:1"=5'			SHEET 3 OF 22 SHEETS			CONTRACT NO. 61G40	
XS_SHEET_temporary_model_name_3		DATE - 12/21/2020	REVISED -		STA. 605+50.00 TO STA. 608+00.00			ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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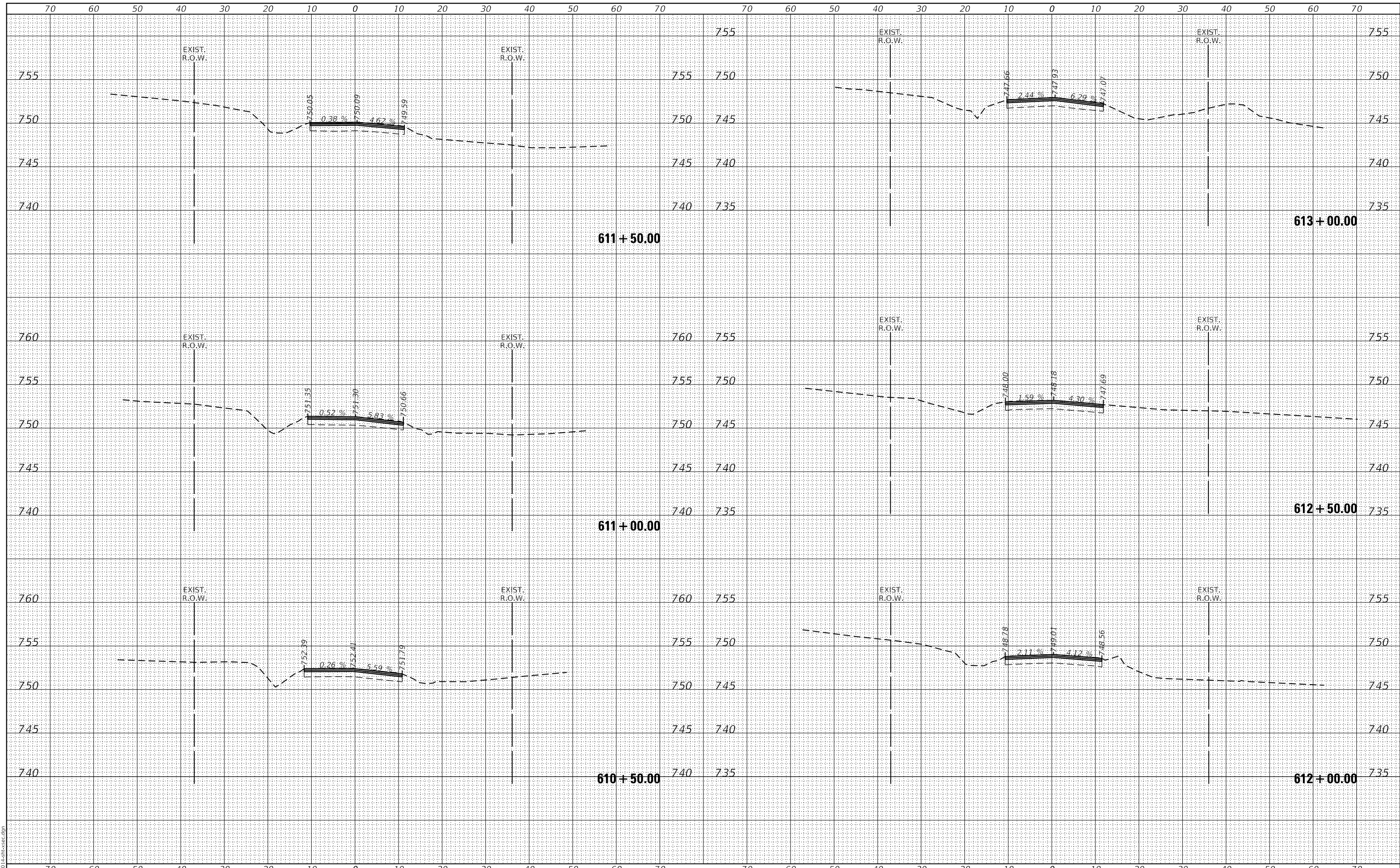


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5000.039		CHECKED - KLB	REVISED -		CONTRACT NO. 61G40			ILLINOIS FED. AID PROJECT			
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DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
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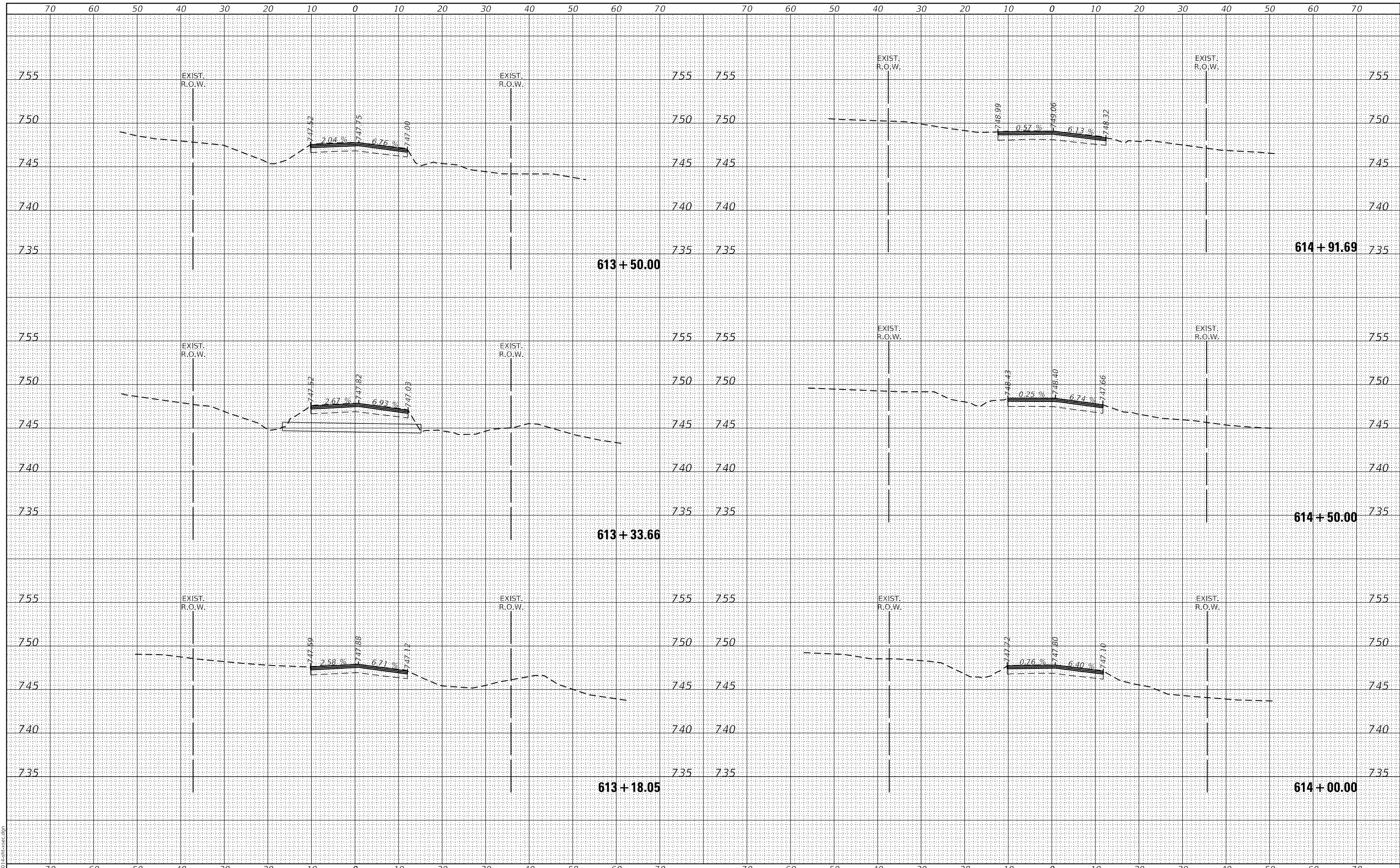


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5000-014-sht-xsec.dgn		DRAWN - PJS	REVISED -		NORTH KRUEGER ROAD IMPROVEMENTS		2030	16-00010-00-PV	LAKE	84	67
5000.039		CHECKED - KLB	REVISED -		SCALE: H1"=10'	SHEET 5 OF 22 SHEETS	STA. 610+50.00	TO STA. 613+00.00	CONTRACT NO. 61G40		
XS_SHEET_temporary_model_name_5		DATE - 12/21/2020	REVISED -		V:1"=5'	ILLINOIS FED. AID PROJECT					

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
NOTE BOOK NO.	TEMPLATE AREAS CHECKED
DATE	
BY	

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
NOTE BOOK NO.	TEMPLATE AREAS CHECKED
DATE	
BY	

GHA GEWALT HAMILTON ASSOCIATES, INC.
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 FILE NAME: 50000-014-sht-xsec.dgn



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5000.039	DRAWN - PJS
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	DATE - 12/21/2020
	REVISIONS
	REVISIONS
	REVISIONS
	REVISIONS

PLOT SCALE = 1:20	REVISIONS
PLOT DATE = 12/21/2020	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

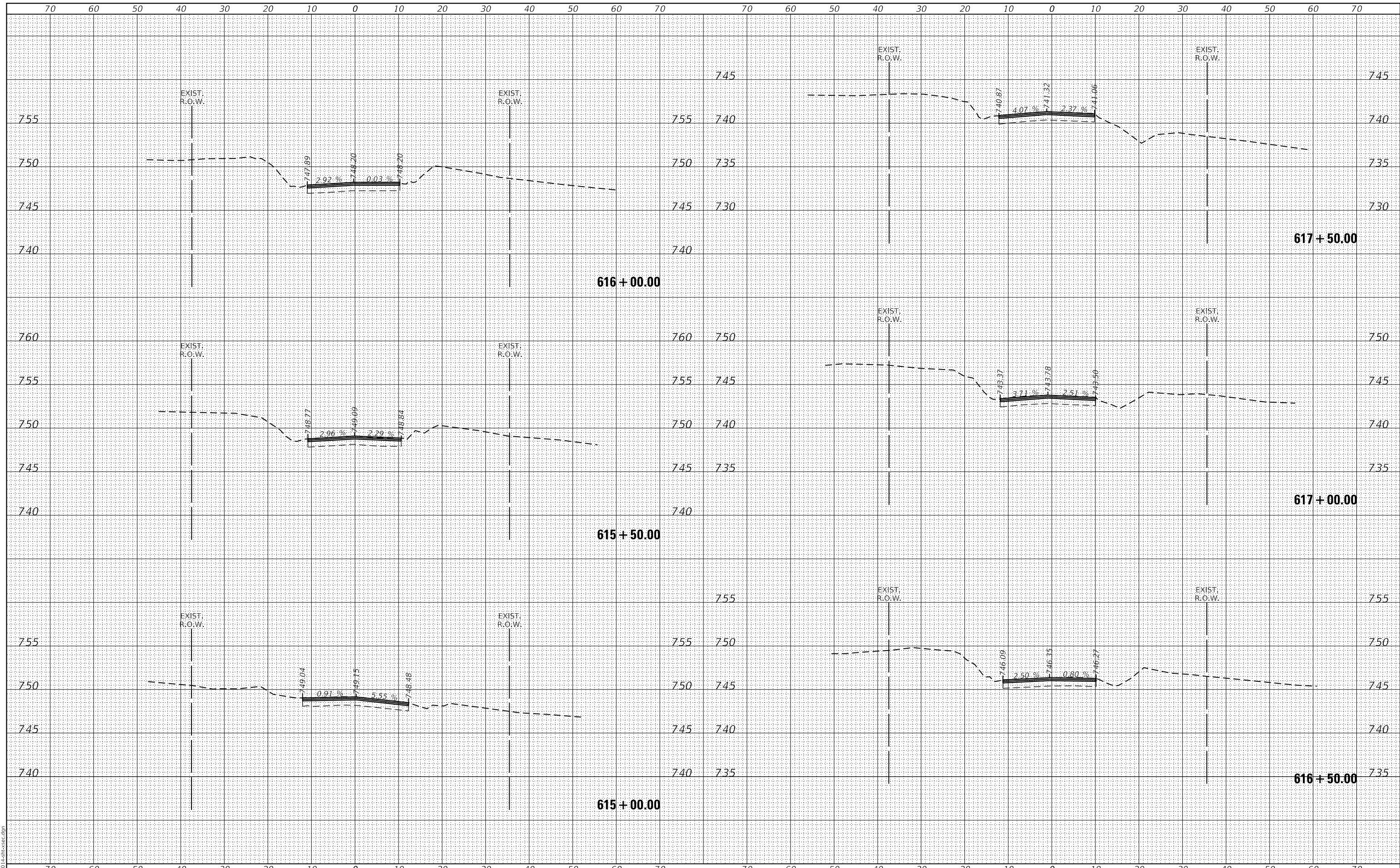
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 6 OF 22 SHEETS
V:1"=5'	STA. 613+18.05 TO STA. 614+91.69

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	68
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
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 FILE NAME: 50000-014-sht-xsec.dgn



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XS_SHEET_temporary_model_name_7		DATE - 12/21/2020	REVISED -

SCALE = 1:20	DATE = 12/21/2020
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

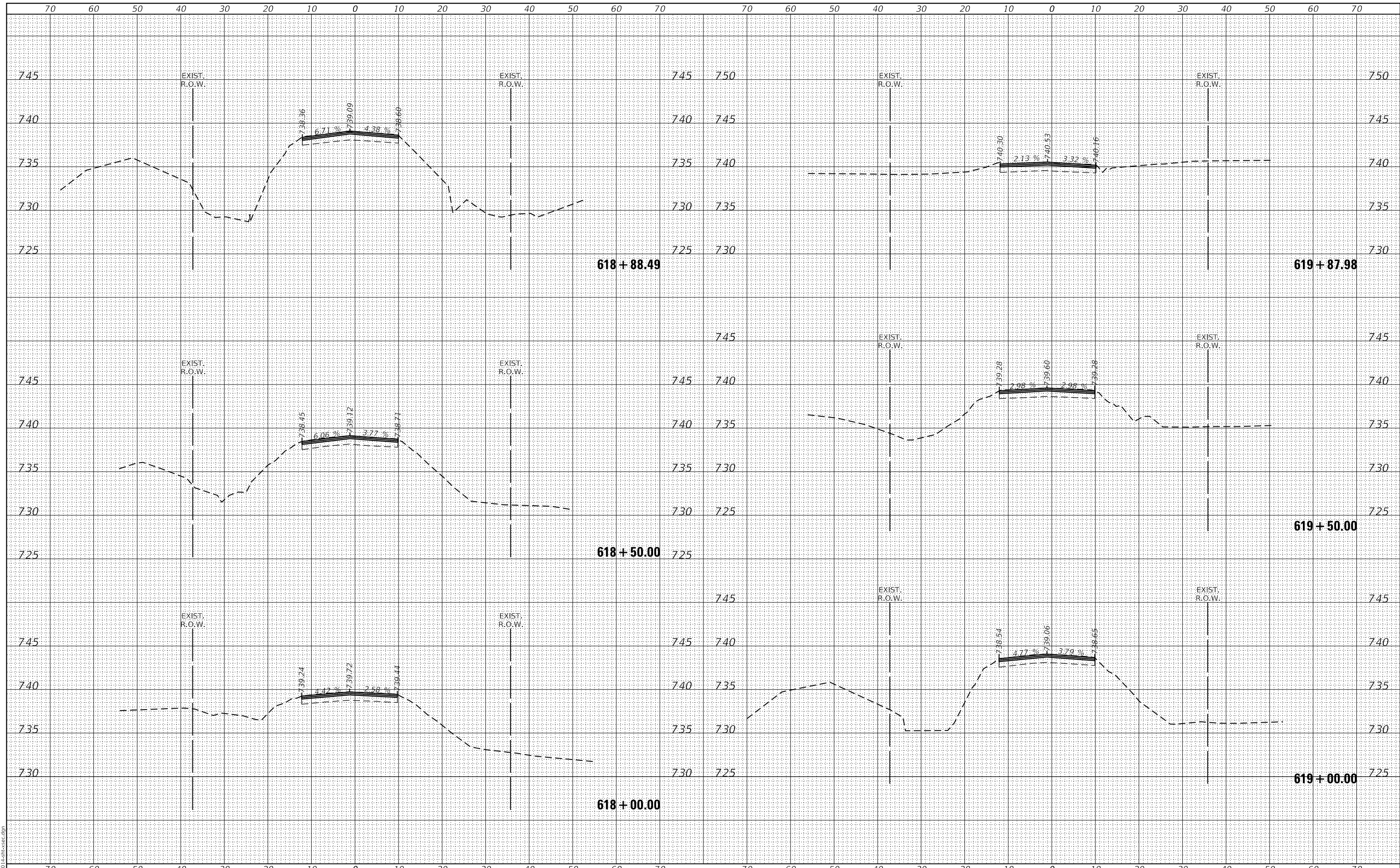
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H:1"=10'	SHEET 7 OF 22 SHEETS
STA. 615+00.00 TO STA. 617+50.00	
V:1"=5'	

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	69
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_8
 FILE NAME: 50000-014-sht-xsec.dgn



618 + 88.49

619 + 87.98

618 + 50.00

619 + 50.00

618 + 00.00

619 + 00.00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: H1"=10'
 V:1"=5'

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	70
CONTRACT NO. 61G40				

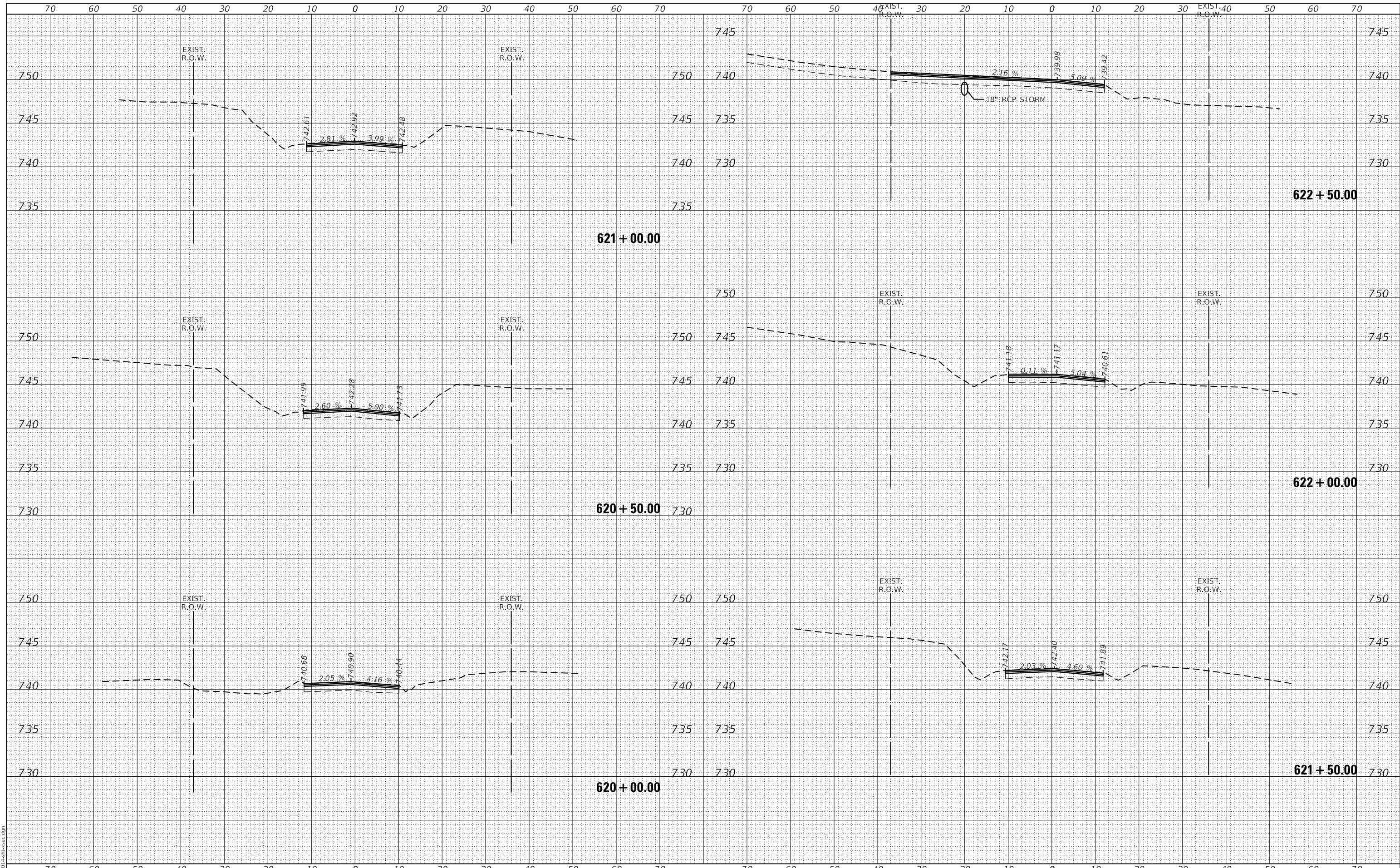
ILLINOIS FED. AID PROJECT

FILE NAME =	USER NAME = mcobb
50000-014-sht-xsec.dgn	DESIGNED - MGC
50000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_8	CHECKED - KLB
	DATE - 12/21/2020
	REVISOR -
	REVISION -

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_9
 FILE NAME: 50000-014-sht-xsec.dgn

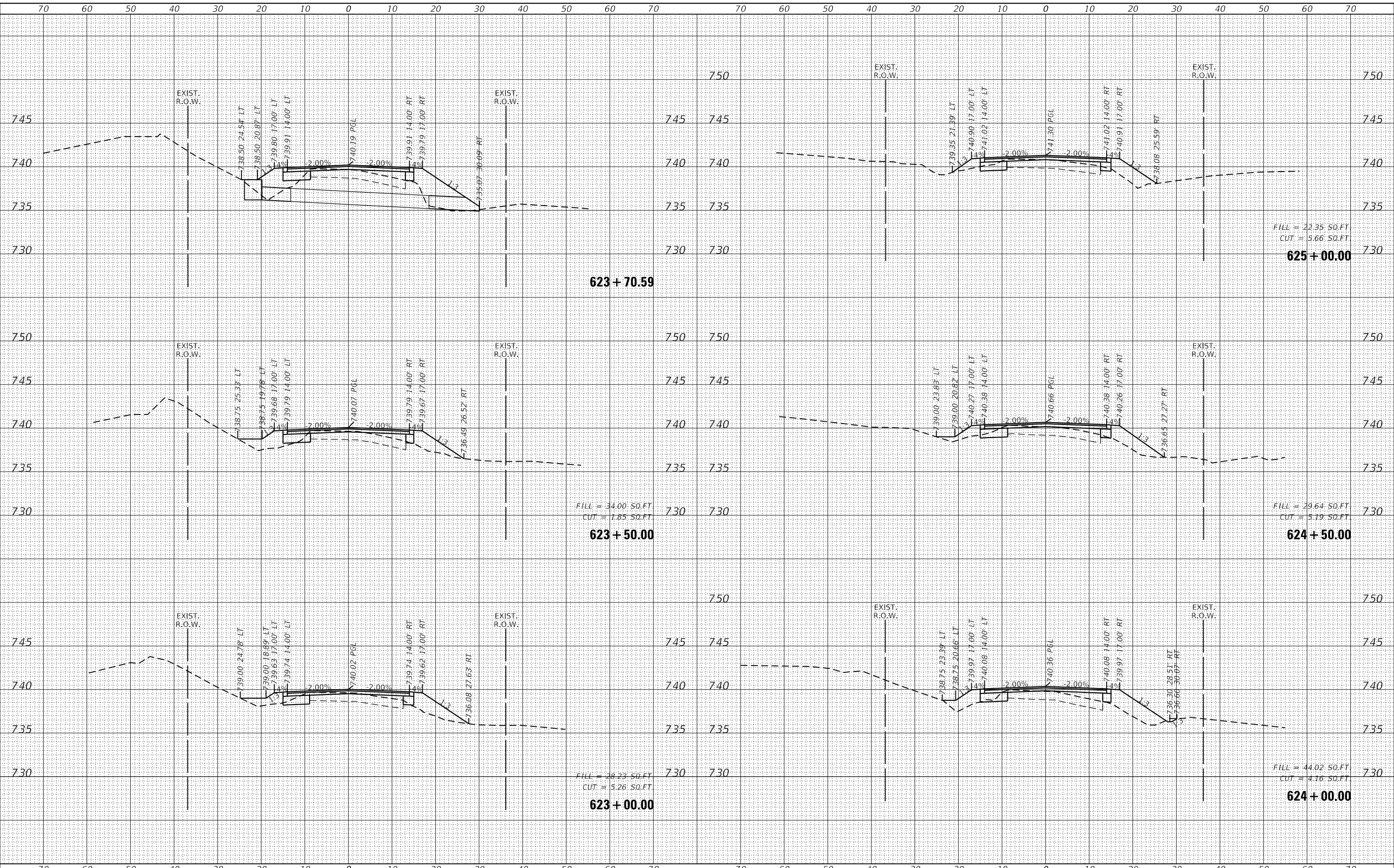


FILE NAME = 50000-014-sht-xsec.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			MU N. RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 71	
50000.039		DRAWN - PJS	REVISD -		NORTH KRUEGER ROAD IMPROVEMENTS			CONTRACT NO. 61G40					
XS_SHEET_temporary_model_name_9		CHECKED - KLB	REVISD -		SCALE: H:1"=10'	SHEET 9 OF 22 SHEETS	STA. 620+00.00	TO STA. 622+50.00	ILLINOIS FED. AID PROJECT				
		DATE - 12/21/2020	REVISD -		V:1"=5'								

FINAL SURVEY NO.	SURVEYED
NOTE BOOK NO.	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS CHECKED

ORIGINAL SURVEY NO.	SURVEYED
NOTE BOOK NO.	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_10
 FILE NAME: 50000-014-sht-xsec.dgn



FILE NAME =	USER NAME = mcobb
50000-014-sht-xsec.dgn	DESIGNED - MGC
50000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_10	CHECKED - KLB
	DATE - 12/21/2020

REVISOR	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

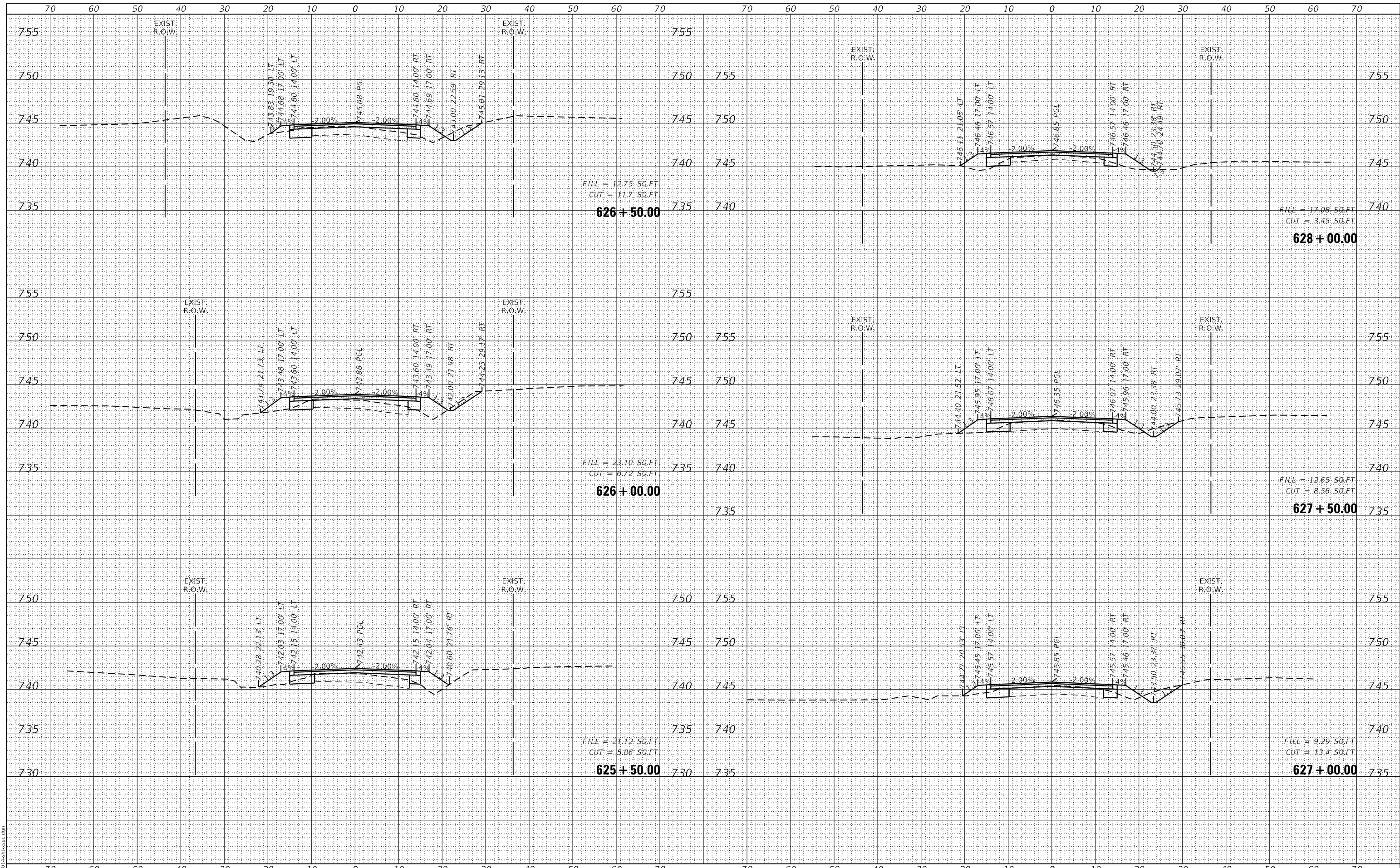
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 10 OF 22 SHEETS
V:1"=5'	STA. 623+00.00 TO STA. 625+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	72
				CONTRACT NO. 61G40
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_11
 FILE NAME: 5000-014-shr-xsec.dgn



FILE NAME =	USER NAME = mcobb
5000-014-shr-xsec.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_11	CHECKED - KLB
	DATE - 12/21/2020

REVISOR	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

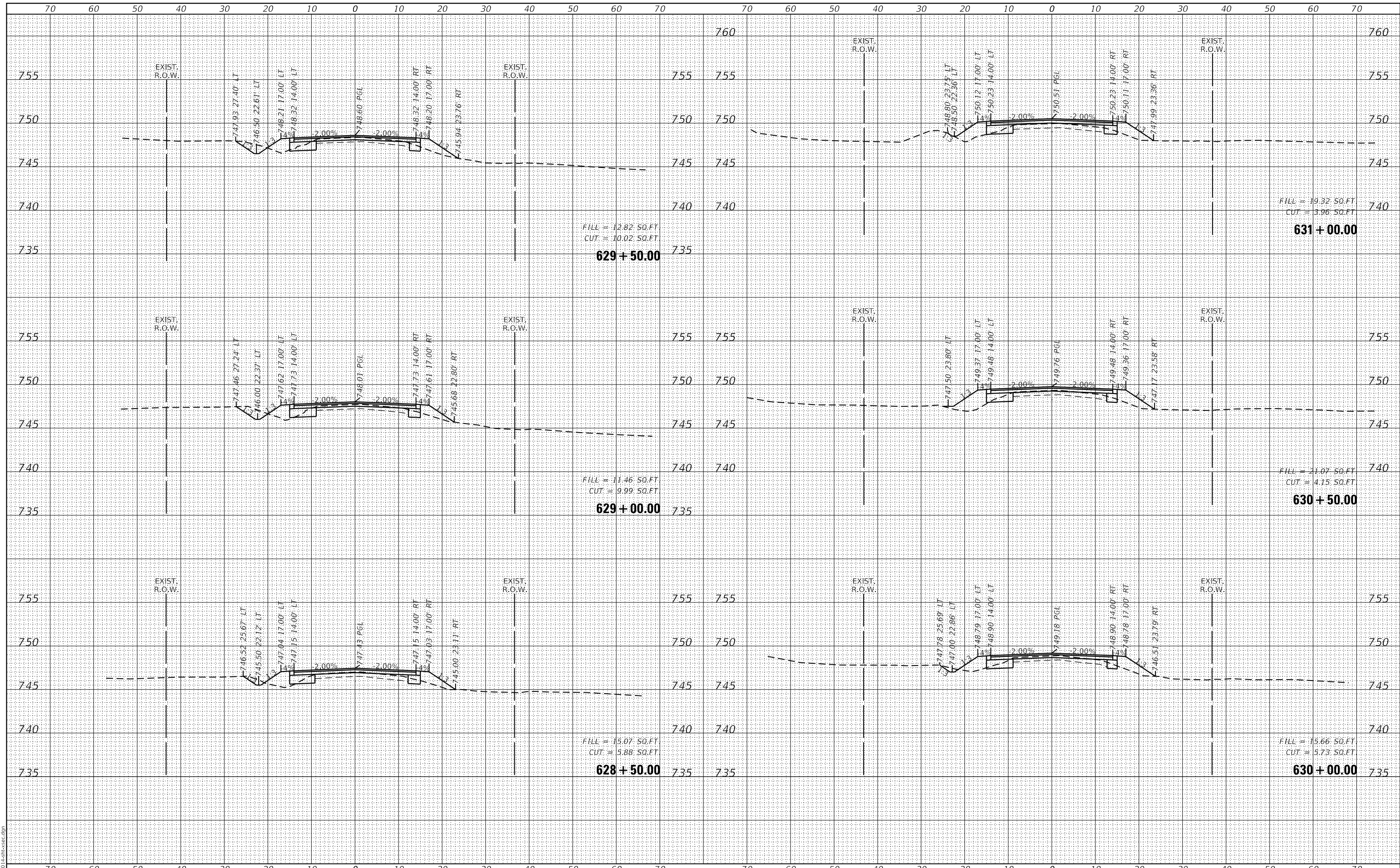
CROSS SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: H1"=10'
 SHEET 11 OF 22 SHEETS
 STA. 625+50.00 TO STA. 628+00.00
 V:1"=5'

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	73
				CONTRACT NO. 61G40
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_12
 FILE NAME: 30000-014-sh-xsec.dgn

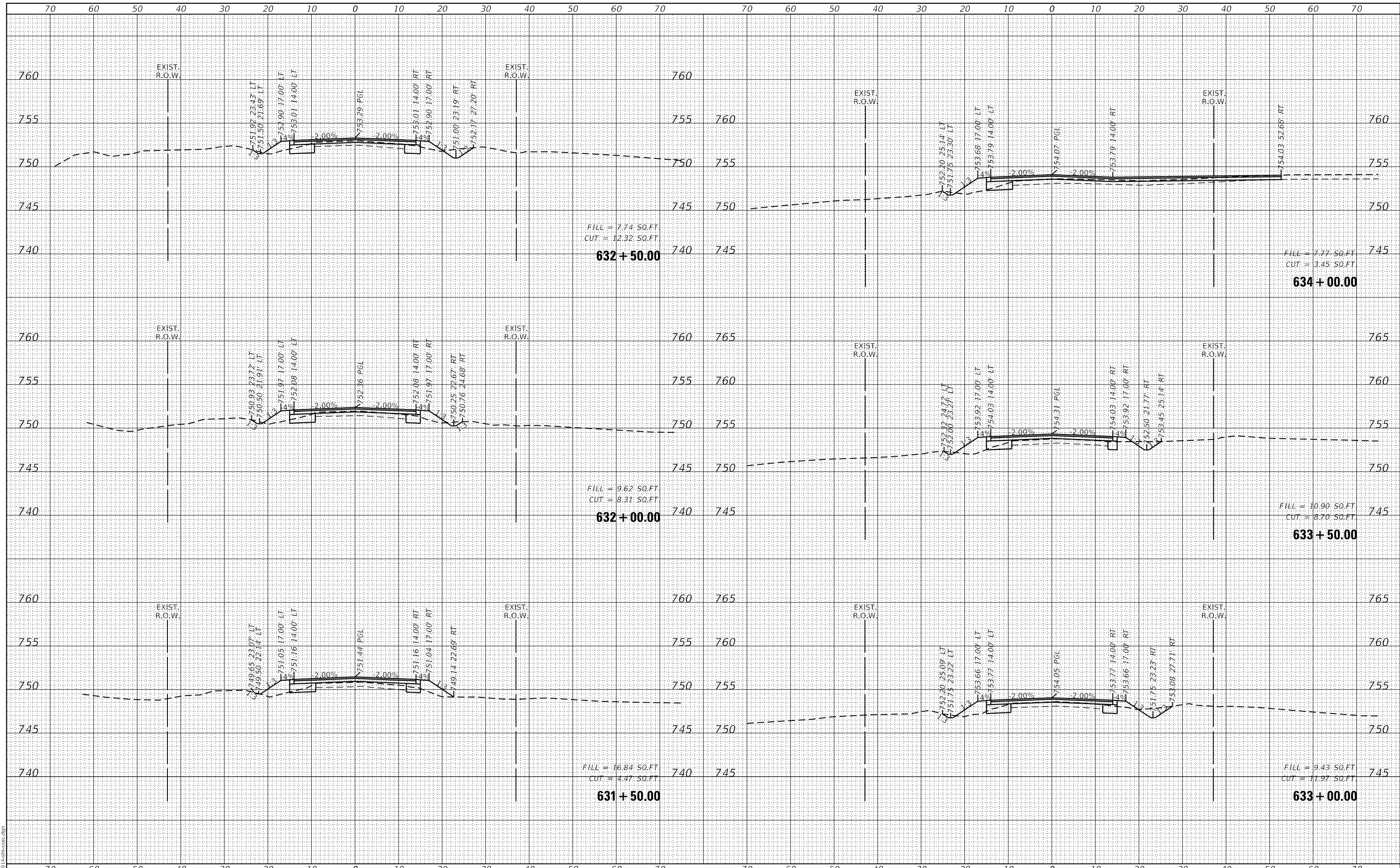


FILE NAME = 50000-014-sh-xsec.dgn	USER NAME = mcobb	DESIGNED - MGC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		MUN. RTE. 2030	SECTION 16-00010-00-PV	COUNTY LAKE	TOTAL SHEETS 84	SHEET NO. 74
PLOT SCALE = 1:20	PLOT DATE = 12/21/2020	DRAWN - PJS	REVISED -		SCALE: H1"=10'	SHEET 12 OF 22 SHEETS	STA. 628+50.00 TO STA. 631+00.00	CONTRACT NO. 61G40		ILLINOIS	FED. AID PROJECT
		CHECKED - KLB	REVISED -		V:1"=5'						
		DATE - 12/21/2020	REVISED -								

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_13
 FILE NAME: 50000-014-sh-xsec.dgn



FILE NAME =	USER NAME = mcobb
50000-014-sh-xsec.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_13	CHECKED - KLB
	DATE - 12/21/2020

DESIGNED - MGC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 12/21/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: H:1"=10'
 V:1"=5'

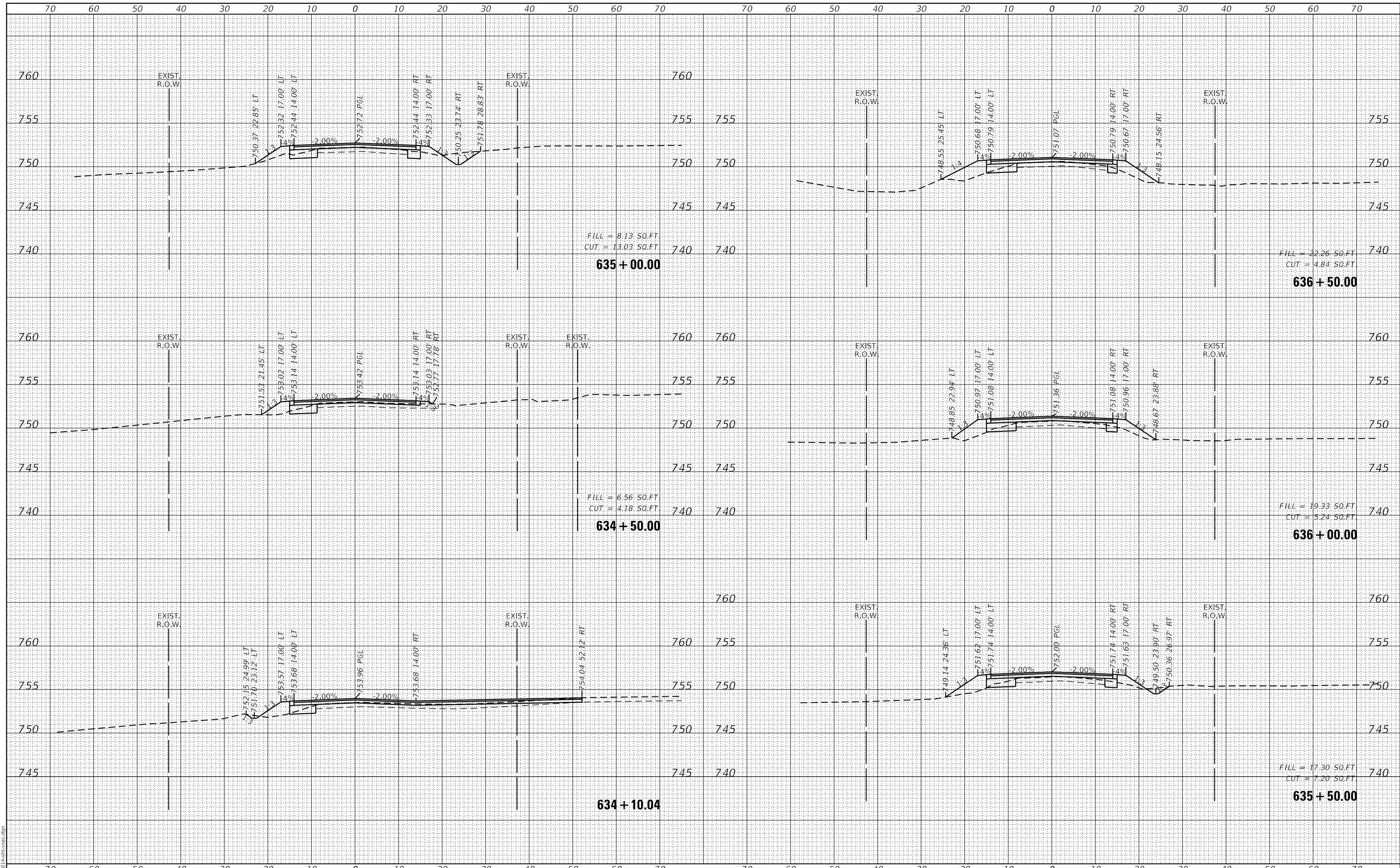
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	75
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

SHEET 13 OF 22 SHEETS STA. 631+50.00 TO STA. 634+00.00

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_14
 FILE NAME: 50000-014-shr-xsec.dgn



FILE NAME =	USER NAME = mcobb
50000-014-shr-xsec.dgn	DESIGNED - MGC
50000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_14	CHECKED - KLB
	DATE - 12/21/2020

REVISOR	REVISION
REVISOR	REVISION
REVISOR	REVISION
REVISOR	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS**

SCALE: H1"=10'
V:1"=5'

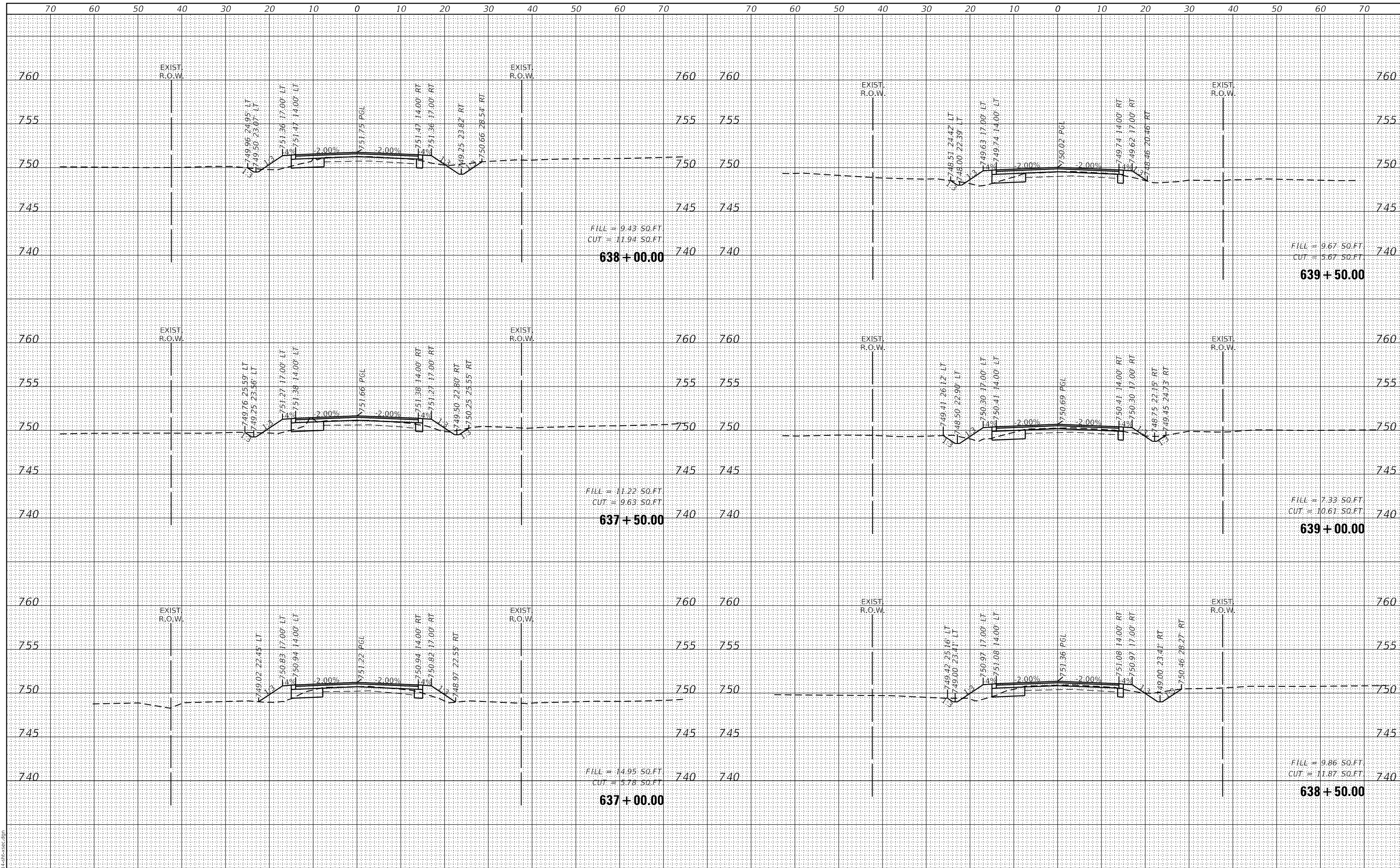
SHEET 14 OF 22 SHEETS STA. 634+10.04 TO STA. 636+50.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	76
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_15
 FILE NAME: 30000-014-sh-xsec.dgn

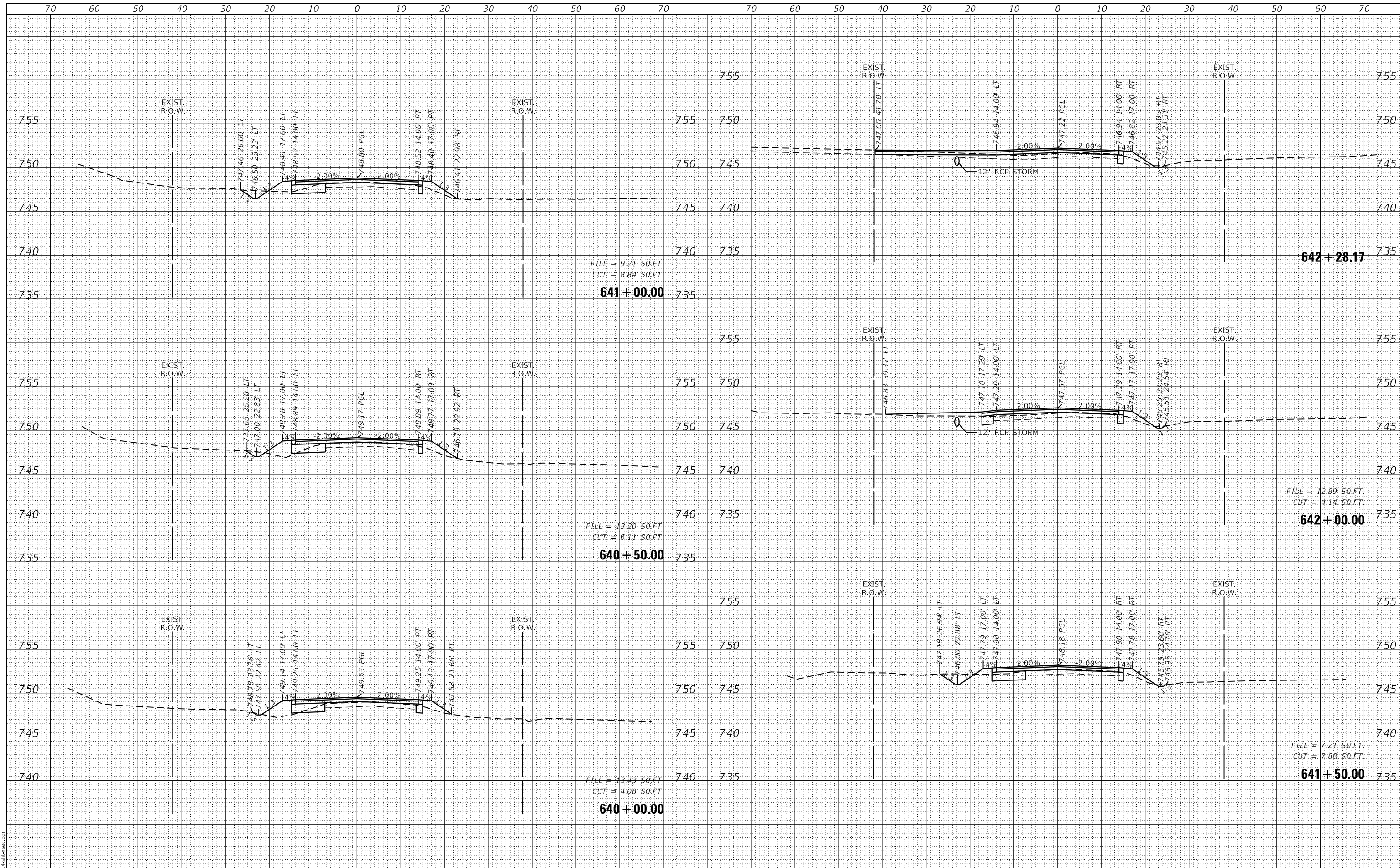


FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			MU N	SECTION	COUNTY	TOTAL	SHEET
5000-014-sh-xsec.dgn		DRAWN - PJS	REVISED -		2030	16-00010-00-PV	LAKE	84	77			
5000.039		CHECKED - KLB	REVISED -		NORTH KRUEGER ROAD IMPROVEMENTS			CONTRACT NO. 61G40				
XS_SHEET_temporary_model_name_15		DATE - 12/21/2020	REVISED -		SCALE: H1"=10'	SHEET 15 OF 22 SHEETS	STA. 637+00.00 TO STA. 639+50.00	ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_16
 FILE NAME: 50000-014-sht-xsec.dgn



FILE NAME	=	USER NAME	= mcobb
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50000.039		DRAWN	- PJS
XS_SHEET_temporary_model_name_16		CHECKED	- KLB
		DATE	- 12/21/2020

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REVISD	-
REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

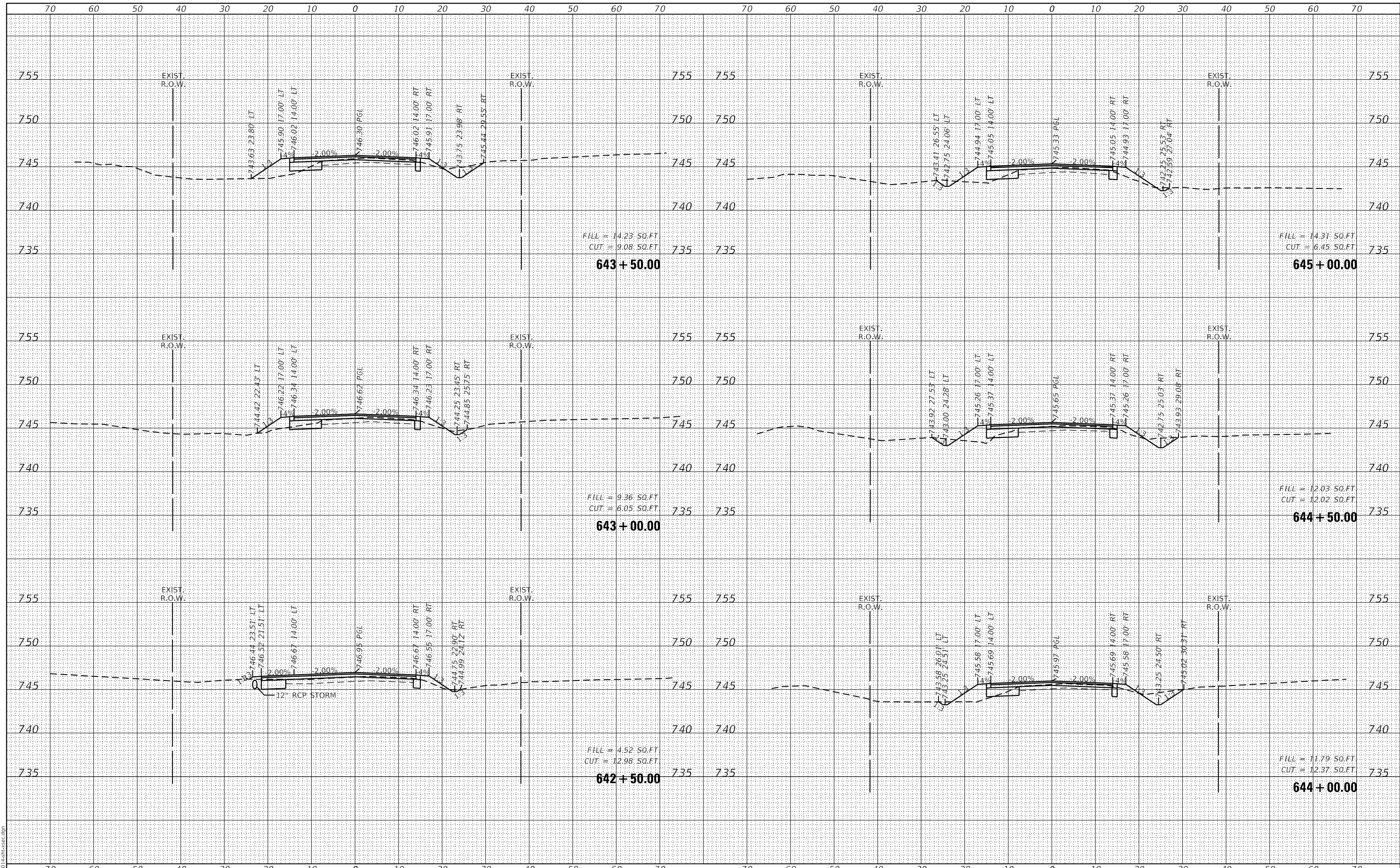
CROSS SECTIONS	
MU N RTE.	SECTION
2030	16-00010-00-PV
COUNTY LAKE	
TOTAL SHEETS 84	
SHEET NO. 78	
SCALE: H1"=10'	
V:1"=5'	
SHEET 16 OF 22 SHEETS	
STA. 640+00.00 TO STA. 642+28.17	

CONTRACT NO. 61G40	
ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_17
 FILE NAME: 50000-014-sh-xsec.dgn



FILL = 14.23 SQ.FT
 CUT = 9.08 SQ.FT
643 + 50.00

FILL = 9.36 SQ.FT
 CUT = 6.05 SQ.FT
643 + 00.00

FILL = 4.52 SQ.FT
 CUT = 12.98 SQ.FT
642 + 50.00

FILL = 14.31 SQ.FT
 CUT = 6.45 SQ.FT
645 + 00.00

FILL = 12.03 SQ.FT
 CUT = 12.02 SQ.FT
644 + 50.00

FILL = 11.79 SQ.FT
 CUT = 12.37 SQ.FT
644 + 00.00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 NORTH KRUEGER ROAD IMPROVEMENTS**

FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
5000-014-sh-xsec.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
XS_SHEET_temporary_model_name_17		DATE - 12/21/2020	REVISED -

SCALE: H1"=10'
 V:1"=5'

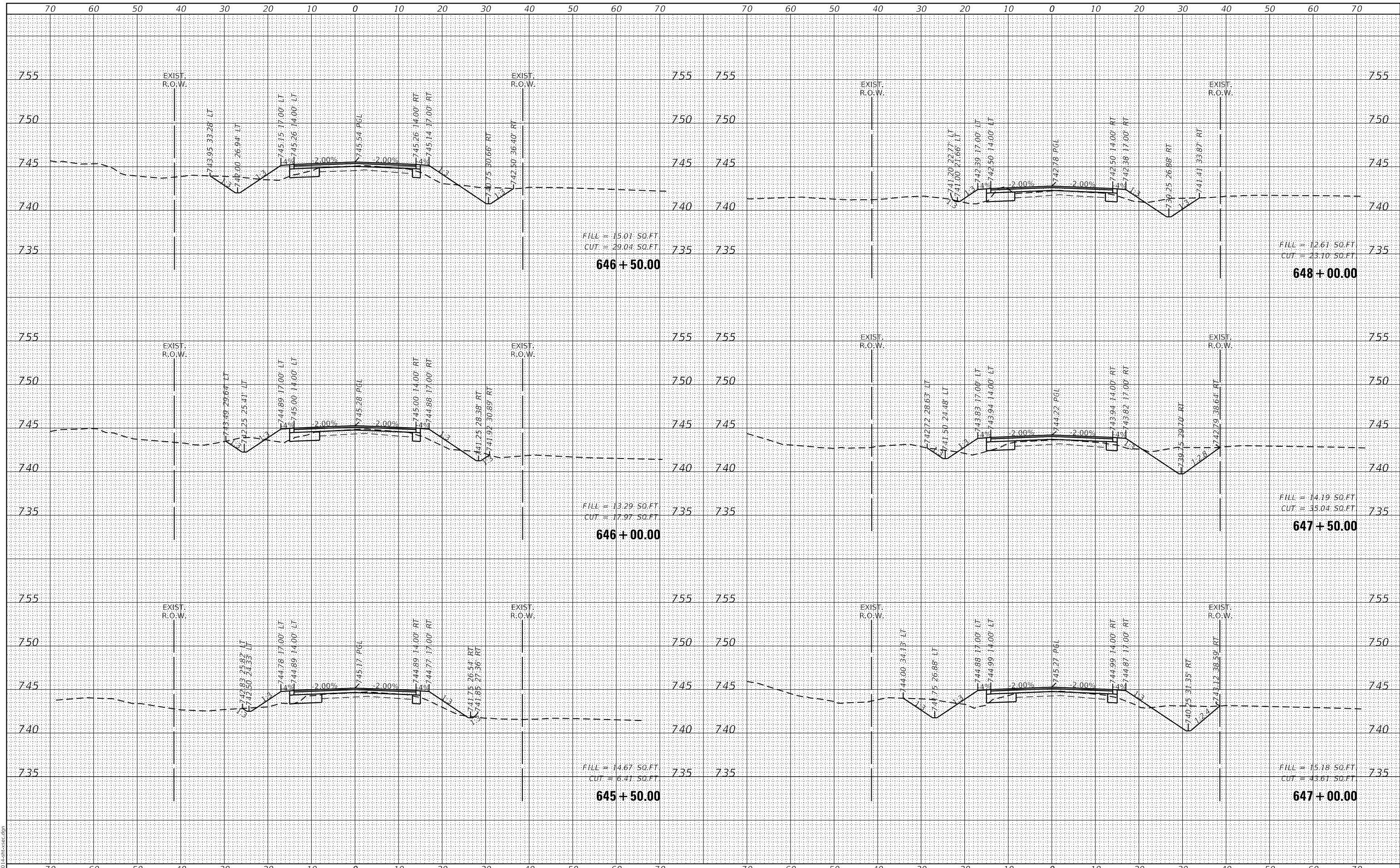
MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	79
				CONTRACT NO. 61G40

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_18
 FILE NAME: 5000-014-shr-xsec.dgn



FILE NAME =	USER NAME = mcobb
5000-014-shr-xsec.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_18	CHECKED - KLB
	DATE - 12/21/2020

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

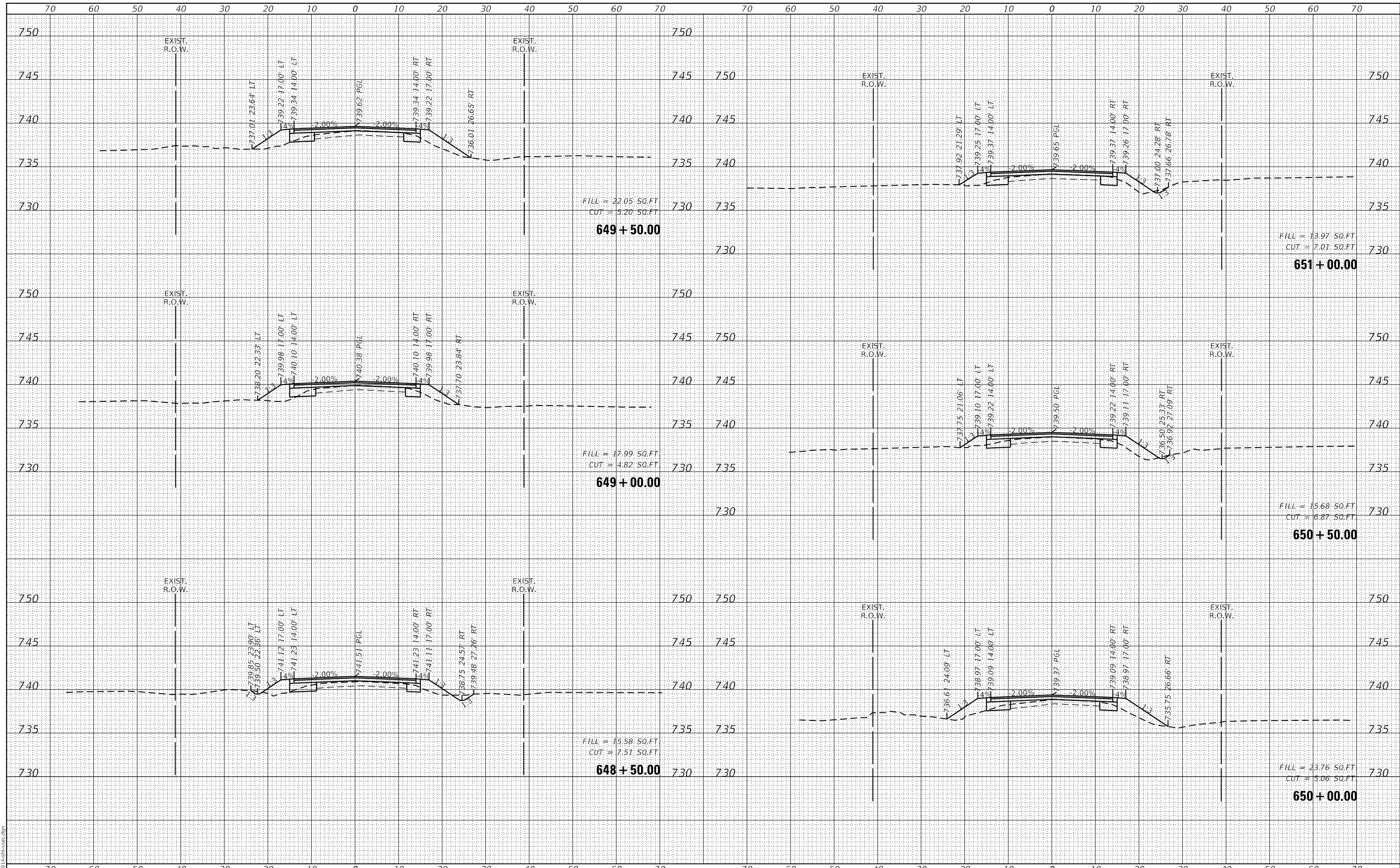
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 18 OF 22 SHEETS
STA. 645+50.00 TO STA. 648+00.00	
V:1"=5'	

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	80
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_19
 FILE NAME: 50000-014-sht-xsec.dgn



FILE NAME =	USER NAME = mcobb
50000-014-sht-xsec.dgn	DESIGNED - MGC
50000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_19	CHECKED - KLB
	DATE - 12/21/2020

REVISOR	REVISION
REVISOR	REVISION
REVISOR	REVISION
REVISOR	REVISION
REVISOR	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

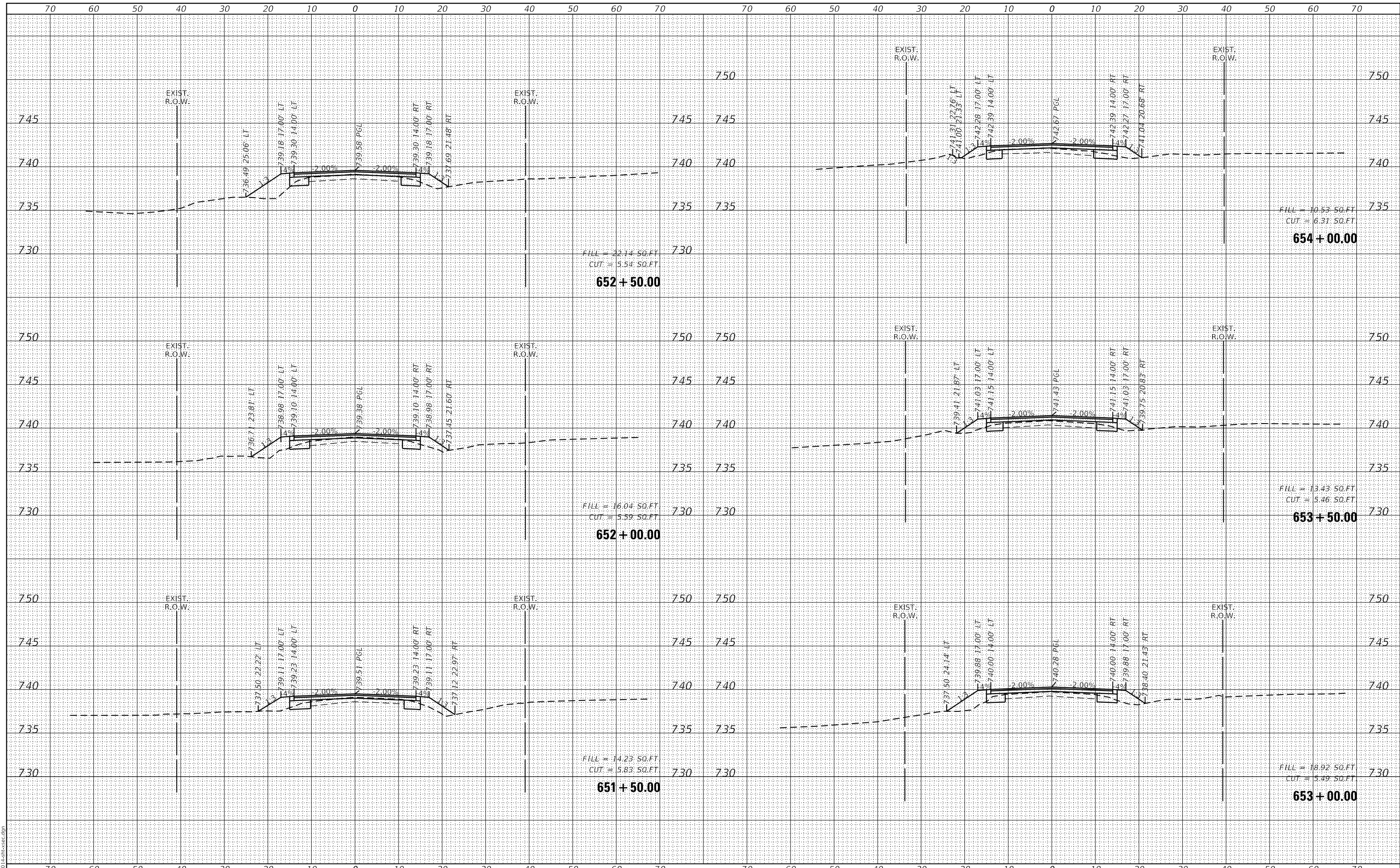
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 19 OF 22 SHEETS
V:1"=5'	STA. 648+50.00 TO STA. 651+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	81
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_20
 FILE NAME: 50000-014-sh-xsec.dgn



FILE NAME =	USER NAME = mcobb
5000-014-sh-xsec.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_20	CHECKED - KLB
	DATE - 12/21/2020
	REVISOR -
	REVISION -

DESIGNED - MGC	REVISOR -
DRAWN - PJS	REVISION -
CHECKED - KLB	REVISION -
DATE - 12/21/2020	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

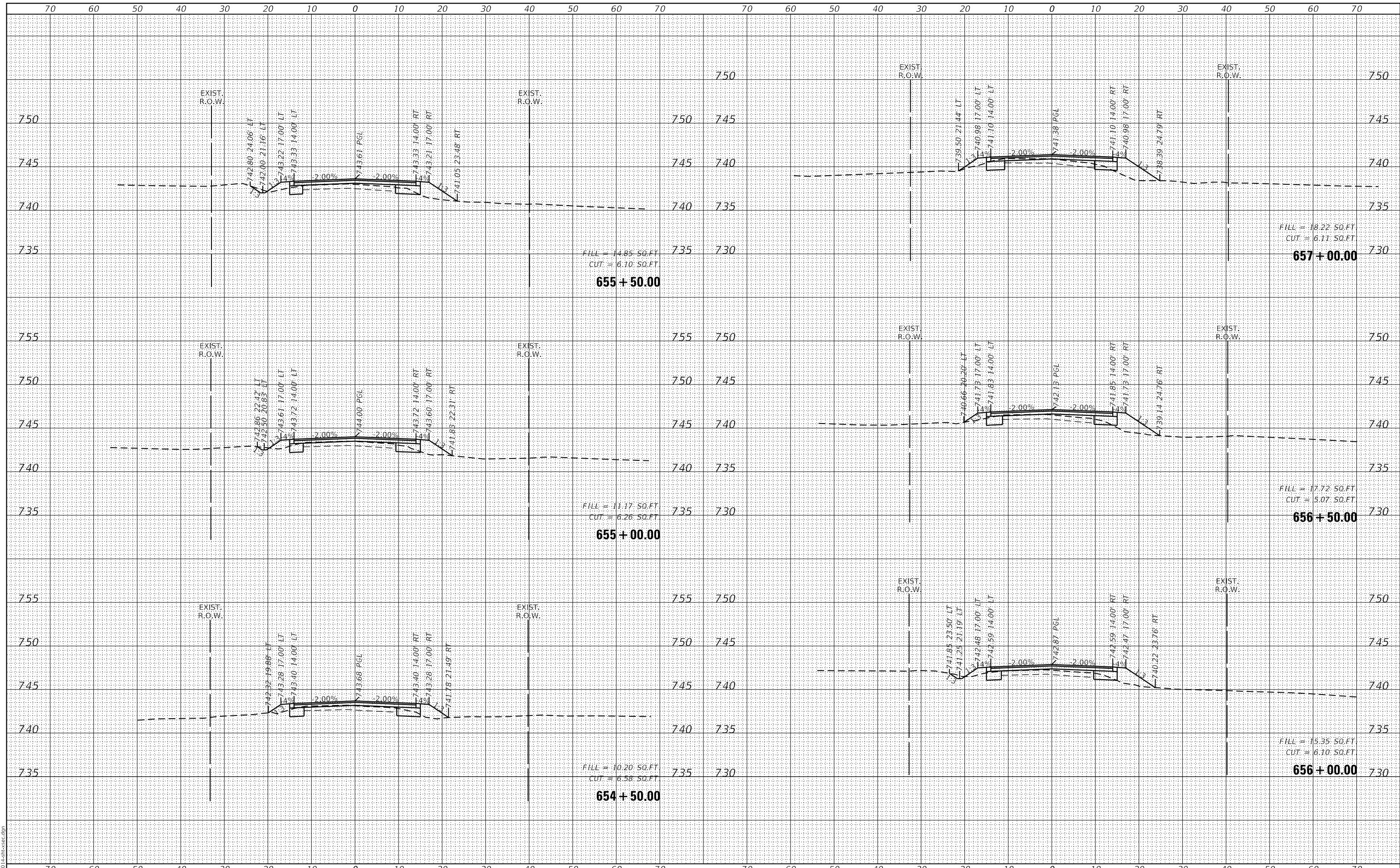
CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 20 OF 22 SHEETS
V:1"=5'	STA. 651+50.00 TO STA. 654+00.00

MU N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	82
				CONTRACT NO. 61G40
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_21
 FILE NAME: 50000-014-sh-xsec.dgn



FILE NAME =	USER NAME = mcobb	DESIGNED - MGC	REVISED -
50000-014-sh-xsec.dgn		DRAWN - PJS	REVISED -
5000.039		CHECKED - KLB	REVISED -
XS_SHEET_temporary_model_name_21		DATE - 12/21/2020	REVISED -

MU N	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	83
CONTRACT NO. 61G40				
ILLINOIS FED. AID PROJECT				

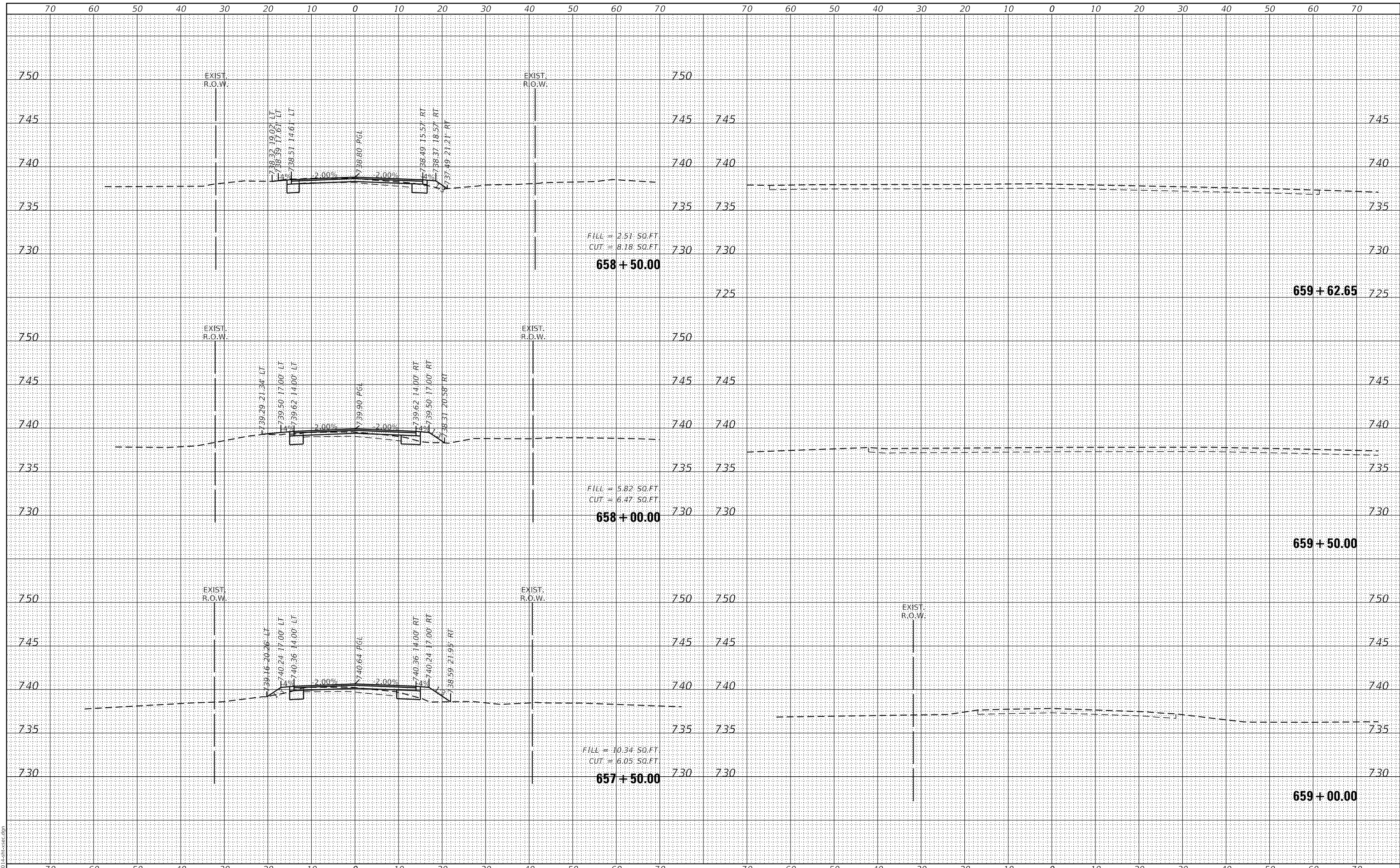
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
NORTH KRUEGER ROAD IMPROVEMENTS
 SCALE: H1"=10'
 V:1"=5'
 SHEET 21 OF 22 SHEETS
 STA. 654+50.00 TO STA. 657+00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_SHEET_temporary_model_name_22
 FILE NAME: 50000-014-shr-xsec.dgn



FILE NAME =	USER NAME = mcobb
50000-014-shr-xsec.dgn	DESIGNED - MGC
5000.039	DRAWN - PJS
XS_SHEET_temporary_model_name_22	CHECKED - KLB
	DATE - 12/21/2020
	REVISIONS
	REVISOR
	REVISION
	DATE

DESIGNED - MGC	REVISOR
DRAWN - PJS	REVISION
CHECKED - KLB	REVISION
DATE - 12/21/2020	REVISION

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
NORTH KRUEGER ROAD IMPROVEMENTS	
SCALE: H1"=10'	SHEET 22 OF 22 SHEETS
V:1"=5'	STA. 657+50.00 TO STA. 659+62.65

MU N RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2030	16-00010-00-PV	LAKE	84	84
				CONTRACT NO. 61G40

ILLINOIS FED. AID PROJECT