

04-26-2019 LETTING ITEM 111

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN 1048 (ORCHARD LANE)  
FROM ROLLINS ROAD TO MONAVILLE ROAD  
MUN 1061 (HOOK DRIVE)  
FROM ORCHARD LANE TO ROLLINS ROAD  
ROAD RECONSTRUCTION AND RESURFACING  
SECTION 15-00078-00-PV  
PROJECT M6VI(876)  
VILLAGE OF ROUND LAKE BEACH  
LAKE COUNTY  
C-91-322-15

MUN. RTE.	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	1048	15-00078-00-PV	LAKE	228	1
ILLINOIS CONTRACT NO. 61F65					

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

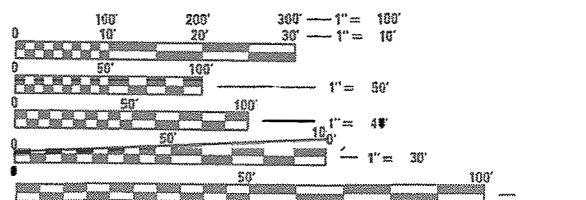
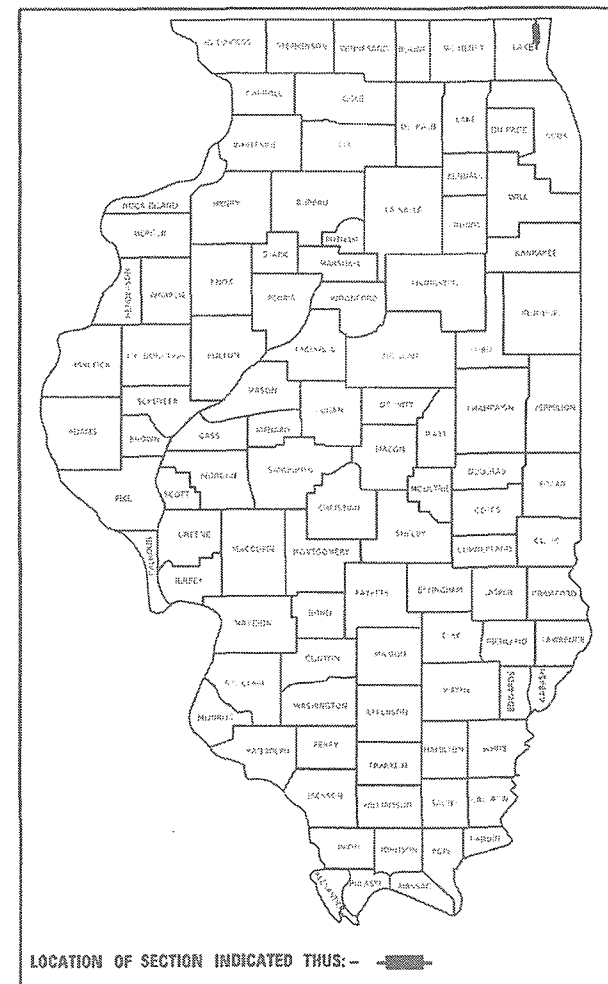
HIGHWAY CLASSIFICATION  
MAJOR COLLECTORS

ORCHARD LANE TRAFFIC DATA

2017 ADT = 3,100 (NORTH END) 9,700 (SOUTH END)  
2040 ADT = 4,000 (NORTH END) 12,000 (SOUTH END)  
POSTED SPEED LIMIT: 25 MPH  
DESIGN SPEED: 30 MPH

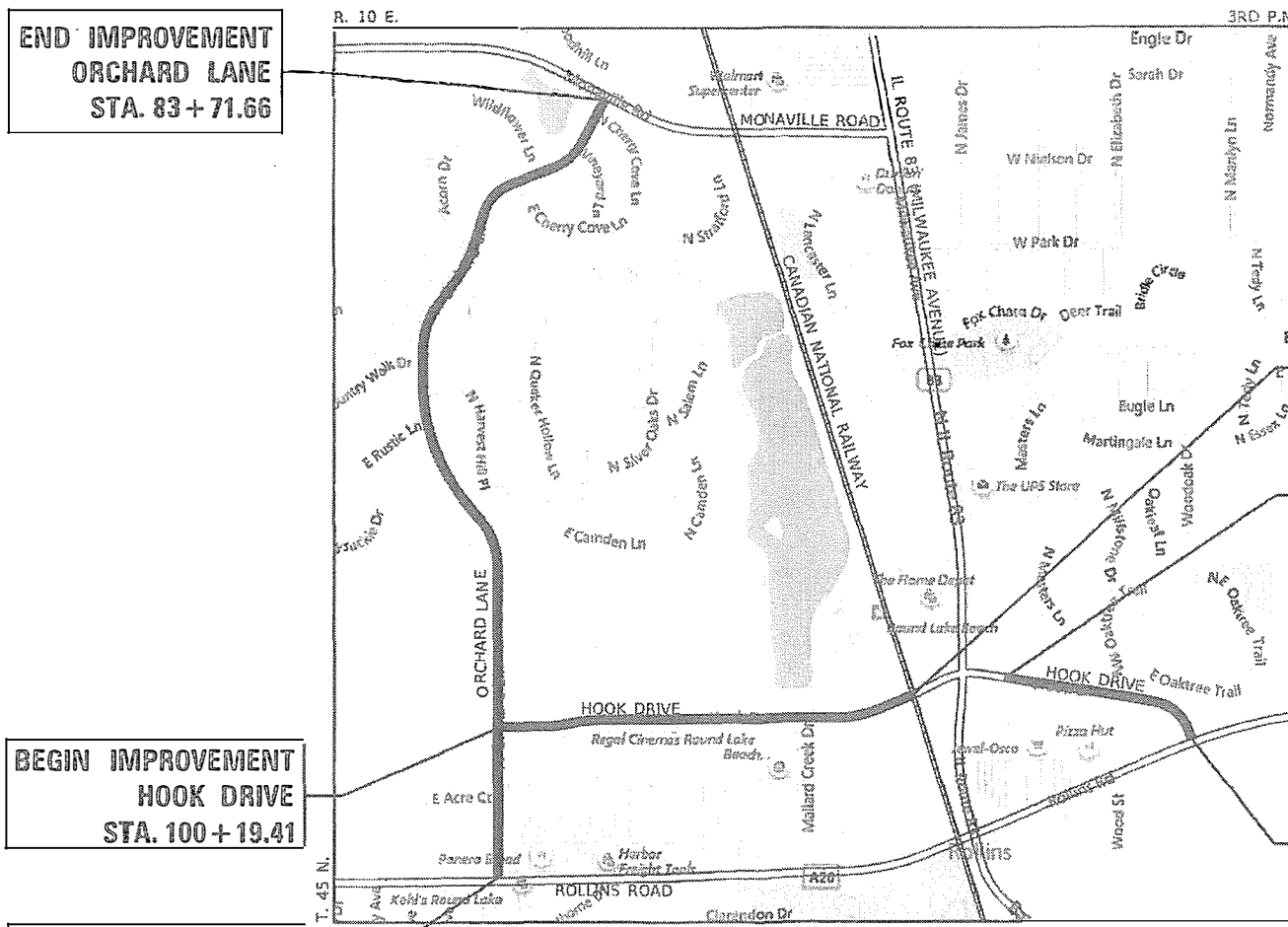
HOOK DRIVE TRAFFIC DATA

2018 ADT = 7,645  
2040 ADT = 10,700  
POSTED SPEED LIMIT: 35 MPH  
DESIGN SPEED: 40 MPH



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 EXCAVATION  
1-800-692-0123  
OR 811



END IMPROVEMENT  
ORCHARD LANE  
STA. 83 + 71.66

BEGIN IMPROVEMENT  
HOOK DRIVE  
STA. 100 + 19.41

BEGIN IMPROVEMENT  
ORCHARD LANE  
STA. 10 + 43.84

END IMPROVEMENT  
BEGIN OMISSION  
STA. 135 + 31.00

END OMISSION  
BEGIN IMPROVEMENT  
STA. 143 + 62.71

END IMPROVEMENT  
HOOK DRIVE  
STA. 161 + 42.82

ORCHARD LANE		HOOK DRIVE	
GROSS LENGTH	= 7,327.82 FT. = 1.39 MILES	GROSS LENGTH	= 6,120.45 FT. = 1.16 MILES
NET LENGTH	= 7,327.82 FT. = 1.39 MILES	NET LENGTH	= 5,289.74 FT. = 1.00 MILES

LOCATION MAP

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

SIGNED: *Michael J. Vaska*  
ENGINEER  
DATE: 2/12/19  
EXP. 11/30/2019  
STATE OF ILLINOIS LICENSED PROFESSIONAL ENGINEER  
GHA GEWALT HAMILTON ASSOCIATES, INC.  
625 Forest Edge Drive • Vernon Hills, IL 60061  
TEL 847.478.9700 • FAX 847.478.9701

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
APPROVED: *Scott Hillis*  
VILLAGE OF ROUND LAKE BEACH, DIRECTOR OF PUBLIC WORKS  
PASSED: *2/14/19*  
*Scott M. Smith*  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS  
RELEASING FOR BID BASED ON LIMITED REVIEW  
FEBRUARY 15, 2019  
*Anthony J. Danylyk / CAS*  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 61F65

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424021-05	DEPRESSED CORNER FOR SIDEWALKS
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442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
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602016-02	CATCH BASIN, TYPE D
602301-04	INLET, TYPE A
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604051-04	FRAME AND GRATE, TYPE 11
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## GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION, 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. 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.
3. 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.
4. 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.
5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
7. 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.
8. 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.
9. 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.

## UTILITY NOTES

1. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
2. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
3. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
4. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.
5. ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.
6. THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	2
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

**PROJECT SPECIFIC NOTES**

1. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT INCLUDE; CRITICAL SPOT GRADES SUCH AS OVERFLOW ELEVATIONS, SPOT ELEVATIONS NEAR ENTRANCES, SPOT ELEVATIONS ALONG THE DESIGNATED ADA ROUTE, SUFFICIENT INFORMATION SUCH THAT THE ENGINEER MAY VERIFY RIM AND INVERT ELEVATIONS OF ALL SEWERS, RIM AND TOP OF PIPE ELEVATIONS OF ALL WATER MAIN, LOCATIONS OF ALL INSTALLED UNDERGROUND UTILITIES, LOCATIONS OF ALL BURIED BENDS AND FITTINGS AND ALL FIELD CHANGES FROM THE APPROVED DRAWINGS.
2. ALL CONSTRUCTION WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AS WELL AS THE STANDARD SPECIFICATIONS.
3. CONTRACTOR SHALL NOTIFY THE VILLAGE OF ROUND LAKE BEACH (847-546-8752) AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.
4. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, THE MUNICIPALITY AND THEIR AGENTS, FROM ALL LIABILITY INVOLVED IN CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.
5. ALL ELEVATIONS ARE ON NGVD 29/NAVD 88 VERTICAL DATUM.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL TO ADEQUATELY INFORM AND PROTECT THE PUBLIC OF ALL CONSTRUCTION OPERATIONS.
7. STOCKPILING MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN AND OR THE FLOODWAY IS STRICTLY PROHIBITED
8. PRIOR TO PLACEMENT OF FABRIC AND STONE, THE SUBGRADE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER. PROOF-ROLLING SHALL BE DONE USING A THREE AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. THE LOAD SHALL BE UNIFORMLY PLACED IN THE DUMP BODY. ALL DEFICIENCIES SHALL BE REPAIRED AND RE-PROOF-ROLLED UNTIL FOUND ACCEPTABLE TO THE ENGINEER.
9. SPREAD TOPSOIL ON ALL DISTURBED AREAS AND PROPOSED GREEN AREAS. TOPSOIL SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 1081.05.
10. ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLEMENT OR ILLINOIS DEPARTMENT OF TRANSPORTATION DETAILS.
11. ALL SIGNAGE SHALL HAVE TYPE ZZ SHEETING.
12. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT LOCATIONS WITH SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI 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 DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
14. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.
15. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
16. ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
17. THE CONTRACTOR SHALL CONTACT THE ROUND LAKE POST OFFICE AT (847) 740-6528 AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK OR STAGING CHANGE ON THIS PROJECT IN ORDER TO COORDINATE MAIL DELIVERY.
18. THE CONTRACTOR SHALL CONTACT THE ROUND LAKE FIRE DEPARTMENT AT (847) 340-2443 AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK OR STAGING CHANGE ON THIS PROJECT IN ORDER TO ENSURE CONTINUOUS ACCESS OF EMERGENCY SERVICES.

**SPECIAL CONDITIONS FOR CONSTRUCTION WITHIN A LAKE COUNTY HIGHWAY RIGHT-OF-WAY**

WORK NOTIFICATION

PRIOR TO STARTING CONSTRUCTION THE PERMIT SECTION, (847) 377-7400, SHALL BE CALLED AND GIVEN THE CONSTRUCTION START DATE.

SPECIFICATIONS

THE CONSTRUCTION AND RESTORATION METHODS AND PROCEDURES, MATERIALS USED AND CONSTRUCTION SIGNING AND TRAFFIC CONTROL SHALL, WHEN APPLICABLE, CONFORM OR MEET THE STANDARDS AND REQUIREMENTS SET FORTH IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", STANDARD SPECIFICATION FOR TRAFFIC CONTROL ITEMS" AND THE "HIGHWAY STANDARDS" MANUAL AS PUBLISHED OR ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

FIELD CHANGES FOR WATERMAIN OR SEWER LOCATION

NO CHANGES TO THE DEPTH OR LOCATION OF THE WATERMAIN OR SEWER AS SHOWN ON THESE PLANS DUE TO UNFORESEEN FIELD CONDITIONS OR CONFLICTS CAN BE MADE UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE PERMIT SECTION OF THE LAKE COUNTY DIVISION OF TRANSPORTATION.

ADDITIONS, EXTENSIONS OR DELETIONS FOR THE WATERMAIN OR SEWER

NO ADDITIONS, EXTENSIONS OR DELETIONS CAN BE MADE TO THE WATERMAIN OR SEWER AS SHOWN ON THESE PLANS UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE PERMIT SECTION OF THE LAKE COUNTY DIVISION OF TRANSPORTATION.

APPROVAL OF MATERIALS

THE LAKE COUNTY DIVISION OF TRANSPORTATION PERMIT SECTION, (847) 377-7400, SHALL BE CALLED FOR APPROVAL OF ANY MATERIALS (I.E. TRENCH BACKFILL, SAND, GRAVEL OR OTHER GRANULATED MATERIALS) THAT WILL BE PLACED WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY THAT ARE NOT ON THE APPROVED ENGINEERING PLANS.

HAZARDS TO THE PUBLIC

MEASURES SHALL BE TAKEN TO PREVENT OR PROTECT THE PUBLIC FROM HAZARDS CAUSED BY THE CONSTRUCTION OPERATIONS.

PARKING OF VEHICLES, EQUIPMENT AND STORAGE OF MATERIALS

CONSTRUCTION WORKER'S VEHICLES AND CONSTRUCTION EQUIPMENT SHALL BE PARKED IN AREAS OUTSIDE OF THE COUNTY HIGHWAY RIGHT-OF-WAY OR IN AREAS WHERE THERE WILL BE NO INTERFERENCE WITH THE NORMAL USE OF THE HIGHWAY OR VEHICLE SIGHT DISTANCE. CONSTRUCTION MATERIALS SHALL BE LOCATED AT LEAST 12 FEET FROM A THROUGH TRAFFIC LANE OR OUTSIDE OF THE COUNTY HIGHWAY RIGHT-OF-WAY.

MAINTAINING EXISTING TRAFFIC CONTROL DEVICES

EXISTING TRAFFIC CONTROL DEVICES THAT ARE REMOVED SHALL BE RE-ERECTED AS SOON AS POSSIBLE. DAMAGED OR LOST TRAFFIC CONTROL SIGNS SHALL BE REPORTED TO THE SIGN SHOP, (847) 377-7501, OF THE LAKE COUNTY DIVISION OF TRANSPORTATION FOR REPLACEMENT.

REGULATORY AND WARNING TRAFFIC SIGNS SHALL BE KEPT IN VIEW OF THE HIGHWAY TRAFFIC.

EXISTING DRAINAGE AND ACCESS

DISTURBED HIGHWAY DRAINAGE FACILITIES SHALL BE RE-ESTABLISHED AT THE CLOSE OF EACH WORK DAY. OCCUPANTS OF ADJACENT PROPERTIES HAVING ACCESS TO THE COUNTY HIGHWAY SHALL BE NOTIFIED PRIOR TO BEING BLOCKED AND SUITABLE ARRANGEMENTS MADE WITH THE OCCUPANTS. ADJACENT PROPERTY ACCESS SHALL BE RE-ESTABLISHED AS SOON AS POSSIBLE.

HIGHWAY PAVEMENTS

CARE SHALL BE TAKEN NOT TO BREAK, CRACK OR DAMAGE THE HIGHWAY PAVEMENT WITH EQUIPMENT OPERATING ON IT. ALSO, ANY DIRT OR DEBRIS TRACKED ONTO THE HIGHWAY PAVEMENT SHALL BE REMOVED. EQUIPMENT WITH GROZZER PADS, CLEATS OR STUDS ARE NOT PERMITTED TO OPERATE ON THE HIGHWAY PAVEMENT.

IF, DUE TO CONSTRUCTION OPERATIONS, THE HIGHWAY PAVEMENT BECOMES DAMAGED OR UNDERMINED, ALL CONSTRUCTION WORK IN THAT AREA SHALL BE STOPPED AND THE HIGHWAY PAVEMENT REPAIRED AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. ALTERNATE CONSTRUCTION MEASURES SHALL THEN BE USED TO PREVENT FURTHER HIGHWAY PAVEMENT DAMAGE.

EXCAVATIONS, TRENCHES AND BORE PITS

EXCAVATED MATERIAL SHALL, WHEN PRACTICAL, BE PILED ON THE NEAR TRAFFIC SIDE OF THE EXCAVATION, TRENCH OR BORE PIT. OPEN EXCAVATIONS, TRENCHES OR BORE PITS REMAINING AFTER WORKING HOURS SHALL NOT EXCEED 50 FEET IN LENGTH AND SHALL BE PROPERLY PROTECTED (FENCING, COVERED, ETC.) AND MARKED (TYPE I OR II BARRICADES). IF BARRICADES ARE USED IN SERIES, ONLY STEADY BURNING LIGHTS SHALL BE USED. BORE PITS SHALL BE LOCATED NO CLOSER THAN 10 FEET TO THE HIGHWAY PAVEMENT, BACK OF CURB OR GUTTER, OR SHOULDER BREAK LINE, WHICHEVER IS FURTHER. IF CASING PIPES ARE USED, THE VOIDS IN THE CASING PIPE SHALL BE FILLED AND/OR THE ENDS SEALED SO THERE WILL BE NO SILTATION INTO THE CASING PIPE.

BACKFILLING

BACKFILLING OPERATIONS SHALL BE SIMULTANEOUS WITH THE CONSTRUCTION OPERATIONS AND SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION",. ANY EXCAVATION, TRENCH, BORE PIT OR PORTION THEREOF WITHIN A 1:1 SLOPE OF THE PAVEMENT EDGE OR BACK OF CURB SHALL BE BACKFILLED WITH TRENCH BACKFILL (SAND). IN ADDITION, TRENCH BACKFILL (SAND) SHALL BE USED FOR ALL ACCESS CROSSINGS AND PAVEMENT AREAS AND SHALL EXTEND TWO FEET BEYOND THE EDGE OF THE ACCESS OR PAVEMENT AREA. AREAS BETWEEN THE PAVEMENT EDGE AND SHOULDER BREAK LINE SHALL BE BACKFILLED WITH AGGREGATE BASE COURSE (GRAVEL). BACKFILL OF SHOULDER AREAS SHALL NOT EXTEND ABOVE THE EXISTING GROUND AND ANY SETTLEMENT SHALL BE PROMPTLY FILLED.

MANHOLES, VALVES, VALVE VAULTS AND APPURTENANCES

THE TOP OF THE FRAME AND LID OR COVER OF A MANHOLE, VALVE, OR VALVE VAULT SHALL BE FLUSH AND CONTOURED TO THE SURROUNDING GROUND. IF THIS IS NOT POSSIBLE DUE TO AN EXCESSIVE SLOPE, THE SURROUNDING GROUND SHALL BE REGRADED OR THE FRAME AND LID OR COVER PARTIALLY BURIED TO PROVIDE FOR A GRADUAL TRANSITION SLOPE SO THE AREA CAN BE SAFELY MOWED AND NO HAZARD TO THE PUBLIC WILL RESULT. THE TOP OF THE FRAME AND LID OR COVER THAT IS LOCATED WITHIN THE GRAVEL SHOULDER SHALL HAVE A BITUMINOUS APRON INSTALLED AROUND THE FRAME OR COVER AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. ANY FRAME AND LID OR COVER LOCATED IN A PAVED AREA SHALL BE CONTOURED AND ¼ INCH BELOW THE SURFACE OF THE SURROUNDING PAVEMENT. THE TOP OF THE FRAME AND LID OR COVER SHALL NOT BE LOCATED WITHIN THE AREA OF 27.5 FEET TO 30.5 FEET FROM THE HIGHWAY PAVEMENT CENTERLINE.

SURFACE APPURTENANCES THAT EXTEND ABOVE THE SURROUNDING GROUND SURFACE SHALL BE LOCATED WITHIN 2' OF THE COUNTY HIGHWAY RIGHT-OF-WAY.

TILE LINES AND STORM SEWERS

EXISTING TILE LINES AND STORM SEWERS THAT ARE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IF BROKEN WITH LIKE SIZE AND KIND OF MATERIAL. TILE LINE AND STORM SEWER CROSSINGS OF THE EXCAVATION SHALL BE BRIDGED WITH RIGID MATERIAL SUCH AS WOOD OR STEEL. THE LOCATION AND DEPTH OF ANY ENCOUNTERED TILE LINES AND STORM SEWERS SHALL BE RECORDED AND A COPY GIVEN TO THE LAKE COUNTY DIVISION OF TRANSPORTATION.

WINTER CONSTRUCTION WORK

SNOW AND ICE REMOVAL OPERATIONS OF THE LAKE COUNTY DIVISION OF TRANSPORTATION SHALL HAVE PRECEDENCE OVER THE CONSTRUCTION OPERATIONS. A 12-FOOT WIDE (MINIMUM) CLEAR AREA FROM THE HIGHWAY PAVEMENT EDGE SHALL BE MAINTAINED FOR THE ROADSIDE STORAGE OF SNOW AND ICE. NO CONSTRUCTION EQUIPMENT OR MATERIALS SHALL BE STORED IN THIS 12-FOOT WIDE (MINIMUM) CLEAR AREA NOR SHALL ANY PILES OF DIRT OR EXCAVATED MATERIALS BE LEFT IN THIS AREA.

RESTORATION AND CLEAN-UP

THE AREA OF THE COUNTY HIGHWAY RIGHT-OF-WAY DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE RESTORED AS PROMPTLY AS WEATHER AND SOIL CONDITIONS PERMIT. IF RESTORATION IS NOT ACCOMPLISHED VOLUNTARILY, THE LAKE COUNTY DIVISION OF TRANSPORTATION MAY SET A FINAL DATE FOR THE COMPLETION OF THE RESTORATION WORK.

TURF AREAS OF THE RIGHT-OF-WAY DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE COMPACTED AND REGRADED TO AN EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. ALSO AN AVERAGE 3-INCH DEPTH OF TOPSOIL, FERTILIZER, SEED AND MULCH SHALL BE USED. HYDRO SEEDING IS ALSO ACCEPTABLE. SOD SHALL BE USED IN HIGH EROSION AREAS. THIS RESTORATION WORK WILL NOT BE CONSIDERED COMPLETED UNTIL THE TURF COVER IS ESTABLISHED.

GRAVEL AND PAVED SHOULDERS THAT ARE DAMAGED SHALL BE REPLACED AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. DRIVEWAYS, SIDE ROADS AND OTHER ACCESSES, WHICH ARE DAMAGED, SHALL BE RESTORED WITH SIMILAR MATERIALS AND THICKNESS. THE EDGES OF EXCAVATED PAVED SURFACES SHALL BE SAWCUT PRIOR TO REPAIR. CULVERTS, STORM SEWER SYSTEMS AND OTHER DRAINAGE FACILITIES INCLUDING DITCH LINES SHALL BE CLEANED OF SILTATION AND DEBRIS DUE TO THE CONSTRUCTION OPERATIONS. OTHER AREAS OF THE RIGHT-OF-WAY THAT HAVE BEEN DISTURBED SUCH AS CURB AND GUTTERS SHALL BE RESTORED WITH SIMILAR MATERIALS.

ANY DAMAGED PROPERTY OF THE COUNTY OF LAKE, ITS DIVISION OF TRANSPORTATION, OR OF OTHERS (INCLUDING UTILITY COMPANIES) SHALL BE REPAIRED OR REPLACED OR THE OWNER OF THE DAMAGED PROPERTY REIMBURSED FOR THE COSTS OF REPAIRING THE DAMAGED PROPERTY BY THE OWNER.

KEEPING ROADS OPEN TO TRAFFIC

ALL ROADS SHALL REMAIN OPEN TO TRAFFIC. THE CONTRACTOR MAY CLOSE ONE LANE BECAUSE OF CONSTRUCTION ONLY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M. THE PERSON IN CHARGE SHALL NOTIFY THE LAKE COUNTY DIVISION OF TRANSPORTATION - TRANSPORTATION MANAGEMENT CENTER, (847) 377-7000, OF ANY LANE CLOSURE AND WHEN THE LANE RE-OPENS. THIS INFORMATION WILL BE BROADCAST ON THE LAKE COUNTY PASSAGE WEBSITE AND HIGHWAY ADVISORY RADIO. THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING THESE RESTRICTED HOURS AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. TWO LANES OF TRAFFIC WILL BE MAINTAINED BETWEEN 3:00 P.M. AND 9:00 A.M. AND WHEN NO CONSTRUCTION ACTIVITIES ARE BEING CARRIED OUT. TRAFFIC ROUTED AROUND CONSTRUCTION AREAS SHALL BE OVER PAVED SURFACES AND NOT OVER GRAVEL SHOULDERS.



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4600.016-041	USER NAME = pswiatek	DESIGNED - MJV	REVISED -	<p align="center"><b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>GENERAL NOTES</b></p> <p align="center"><b>ORCHARD LANE /HOOK DRIVE</b></p>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:2	CHECKED - KLB	REVISED -					1048	15-00078-00-PV	LAKE	228	3
	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -		MUN. RTE.			CONTRACT NO. 61F65				
					1061		ILLINOIS	FED. AID PROJECT				
				SCALE: NONE	SHEET 2 OF 2 SHEETS	STA.	TO STA.					

**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	121	121	0	0
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16	0	0
	20101100	TREE TRUNK PROTECTION	EACH	46	6	40	0
*	20101200	TREE ROOT PRUNING	EACH	11	3	8	0
*	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	163	28	135	0
*	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	163	28	135	0
	20200100	EARTH EXCAVATION	CU YD	14,087	291	13,796	0
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,658	193	1,465	0
SP	20800150	TRENCH BACKFILL	CU YD	63	0	63	0
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,359	0	3,359	0
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8,644	1,478	7,166	0
*	25000110	SEEDING, CLASS 1A	ACRE	1.9	0.4	1.5	0
*	25100630	EROSION CONTROL BLANKET	SQ YD	8,644	1,478	7,166	0
	28000400	PERIMETER EROSION BARRIER	FOOT	15,993	956	15,037	0
	28000510	INLET FILTERS	EACH	175	44	131	0
SP	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,120	0	1,120	0

SP - SPECIAL PROVISION

\* SPECIALTY ITEM

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	4
MON RTE.				CONTRACT NO. 61F65
1061		ILLINOIS		FED. AID PROJECT

**SUMMARY OF QUANTITIES**

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
					HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
SP	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	33,582	0	33,582	0
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,098	241	1,857	0
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	936	936	0	0
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1,445	0	1,445	0
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	280	0	280	0
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	35,219	15,213	20,006	0
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	35	35	0	0
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,276	1,276	0	0
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	583	208	375	0
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	10,944	0	10,944	0
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	352	158	194	0
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5,871	2,551	3,320	0
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	438	0	438	0
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13,692	2,162	11,530	0
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,242	0	1,242	0
SP	42400800	DETECTABLE WARNINGS	SQ FT	842	213	629	0

SP - SPECIAL PROVISION      \* SPECIALTY ITEM



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PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE      SHEET 2 OF 8 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	5
MUN. RTE.				CONTRACT NO. 61F65
1061		ILLINOIS	FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRANEES 0042	
44000100	PAVEMENT REMOVAL	SQ YD	28,994	0	28,994	0	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	22,772	22,772	0	0	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,381	0	2,381	0	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	15,927	398	15,529	0	
44000600	SIDEWALK REMOVAL	SQ FT	12,377	2,011	10,366	0	
44004250	PAVED SHOULDER REMOVAL	SQ YD	382	382	0	0	
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	20	20	0	0	
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	30	30	0	0	
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	50	50	0	0	
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,660	1,660	0	0	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	200	200	0	0	
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	413	0	413	0	
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	56	0	56	0	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	183	0	183	0	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	57	0	57	0	
55100300	STORM SEWER REMOVAL 8"	FOOT	29	0	29	0	

SP - SPECIAL PROVISION

\* SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	6
MUN RTE.		CONTRACT NO.	61F65	
1061		ILLINOIS FED. AID PROJECT		

**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
	55100400	STORM SEWER REMOVAL 10"	FOOT	35	0	35	0
	55100500	STORM SEWER REMOVAL 12"	FOOT	324	0	324	0
	56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	0	2	0
	SP 60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	700	0	700	0
	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1	0	1	0
	60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1	0	1	0
	60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	8	0	8	0
	60211400	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	0	1	0
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3	0	3	0
	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	7	0	7	0
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	12	0	12	0
	60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	3	0	3	0
	60251520	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE	EACH	9	2	7	0
	60254105	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 11V FRAME AND GRATE	EACH	2	0	2	0
	60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	0	2	0
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	1	3	0

SP - SPECIAL PROVISION

\* SPECIALTY ITEM



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PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	7
MUN RTE.		CONTRACT NO.	61F65	
1061		ILLINOIS FED. AID PROJECT		

**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042	
60260100	INLETS TO BE ADJUSTED	EACH	11	1	10	0	
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	0	2	0	
60261320	INLETS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE	EACH	2	0	2	0	
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	0	1	0	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3	0	3	0	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	0	3	1	
60500050	REMOVING CATCH BASINS	EACH	8	0	8	0	
60500060	REMOVING INLETS	EACH	7	0	7	0	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	15,689	372	15,317	0	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	110	33	77	0	
67100100	MOBILIZATION	L SUM	1	0.5	0.5	0	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	592	0	592	0	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11,643	6,293	5,350	0	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,878	2,096	1,782	0	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	23,881	0	23,881	0	
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1,254	0	1,254	0	

SP - SPECIAL PROVISION      \* SPECIALTY ITEM



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PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
<b>ORCHARD LANE /HOOK DRIVE</b>			
SCALE: NONE	SHEET 5 OF 8 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	8
FUND RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			



**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	244	0	244	0
*	72000100	SIGN PANEL - TYPE 1	SQ FT	18	18	0	0
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	9	9	0	0
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	30	30	0	0
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	234	234	0	0
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	35,044	20,527	14,517	0
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,137	1,903	2,234	0
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,388	1,797	591	0
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	478	223	255	0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	50	50	0	0
SP	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.5	0.5	0
SP	X0323389	STORM SEWER CONNECTION	EACH	13	0	13	0
SP	X0323455	ADJUST MONITORING WELLS	EACH	1	1	0	0
SP	X0327036	BIKE PATH REMOVAL	SQ YD	79	79	0	0
SP	X0327301	RELOCATE EXISTING MAILBOX	EACH	44	0	44	0
SP	X0327727	PLANTER REMOVAL	L SUM	1	1	0	0

SP - SPECIAL PROVISION      \* SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ORCHARD LANE / HOOK DRIVE**

SCALE: NONE    SHEET 6 OF 8 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
104B	15-00078-00-PV	LAKE	228	9
MUN RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
SP	X1700021	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL	SQ FT	332	0	332	0
SP	X3400004	RETAINING WALL REMOVAL	FOOT	99	0	99	0
SP	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	48	0	48	0
SP	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	9	0	9	0
SP	X4023000	TEMPORARY ACCESS (ROAD)	EACH	22	0	22	0
SP	X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	4	0	4	0
SP	X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	123	0	123	0
SP	X6030205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	1	1	0	0
SP	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	9	9	0
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	1	0
* SP	X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	1	0	1	0
							0
SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	57	0	57	0
SP	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	25	1	24	0
SP	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	226	0	226	0
SP	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	23	0	23	0

SP - SPECIAL PROVISION

\* SPECIALTY ITEM



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PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

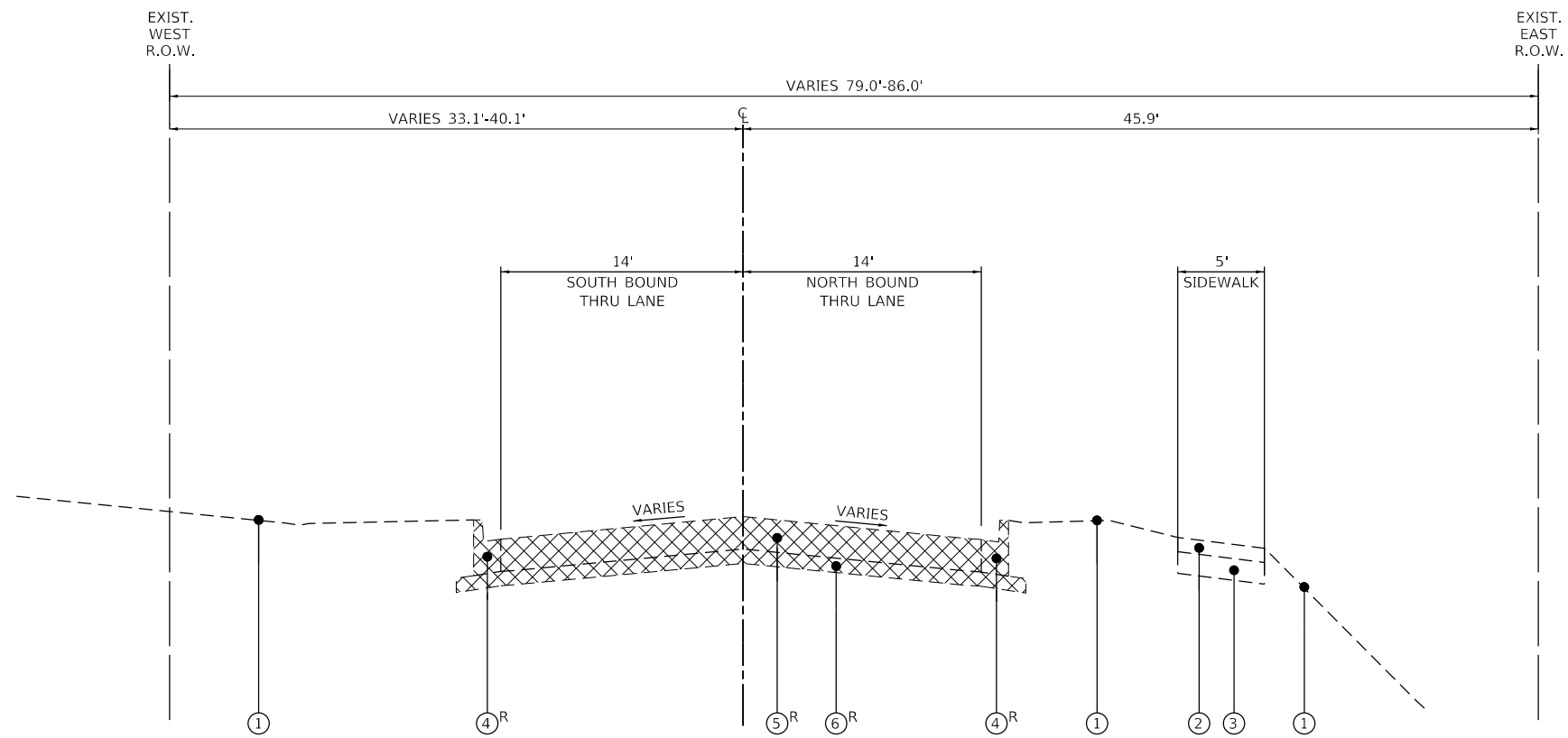
**SUMMARY OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	10
FUN RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

SCALE: NONE SHEET 7 OF 8 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
					80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH	80% FEDERAL / 20% ROUND LAKE BEACH
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOOK DRIVE 0005	ORCHARD LANE 0005	TRAINEES 0042
SP	Z0062456	TEMPORARY PAVEMENT	SQ YD	349	0	349	0
SP	Z0076600	TRAINEES	HOUR	1,000	0	0	1,000
SP	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	0	0	1,000
*	A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	0	0
*	A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	0	0
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	0	0

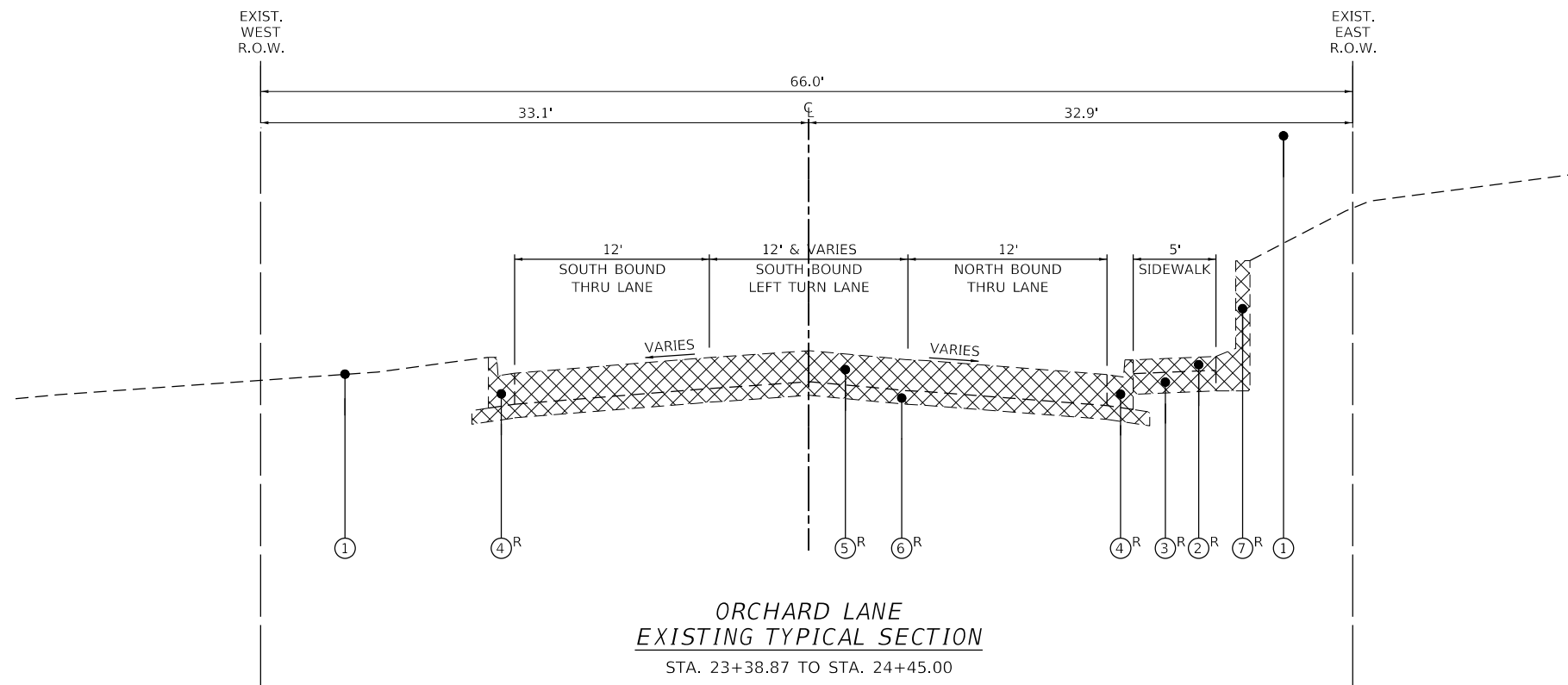
SP - SPECIAL PROVISION      \* SPECIALTY ITEM



ORCHARD LANE  
EXISTING TYPICAL SECTION  
STA. 10+43.84 TO STA. 23+38.87

**LEGEND**

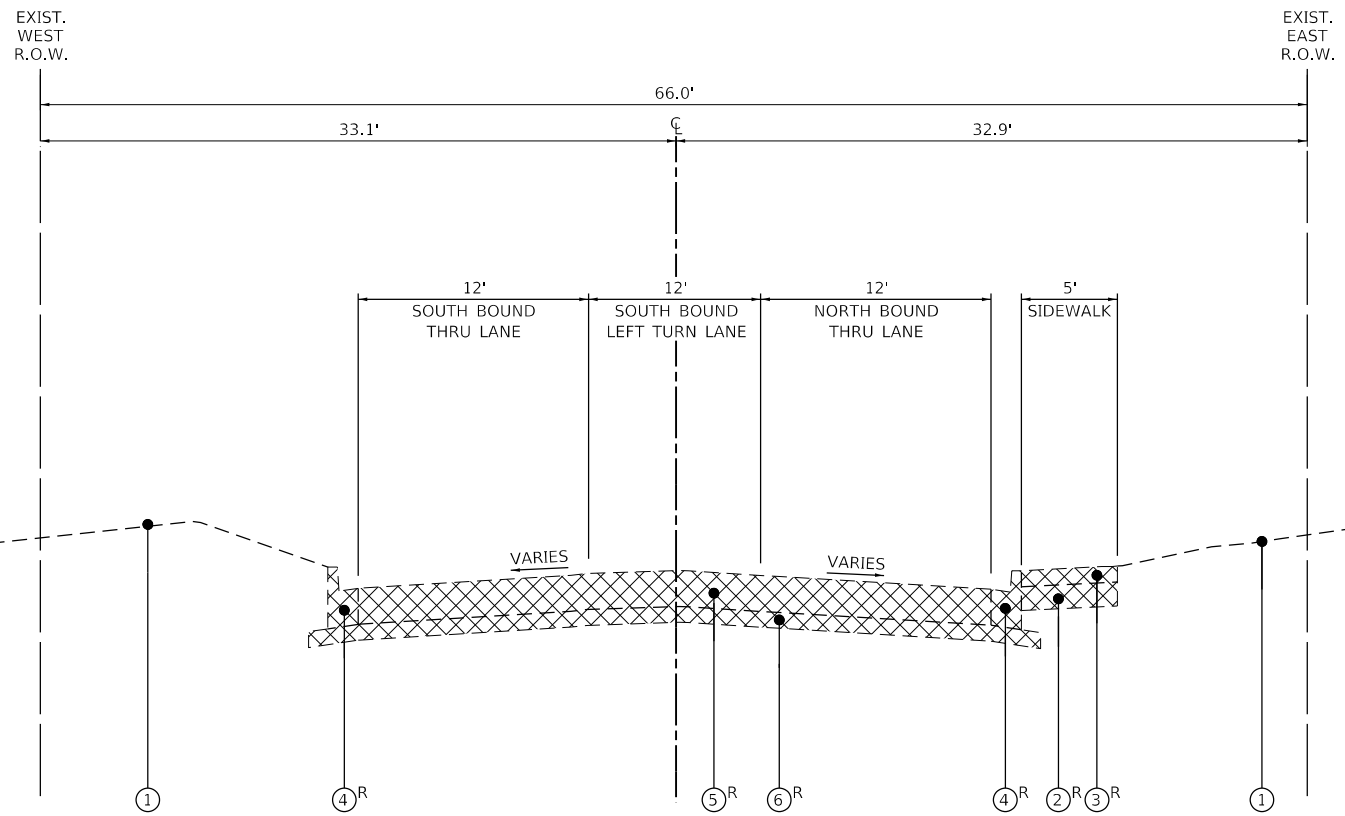
- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING AGGREGATE BASE COURSE
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING HMA PAVEMENT, VARIABLE DEPTH
  - STA. 10+43 TO STA. 33+00: 4.5" DEPTH
  - STA. 33+00 TO STA. 52+20: 8" DEPTH
  - STA. 52+20 TO STA. 83+55: 10" DEPTH
- ⑥ EXISTING AGGREGATE SUBGRADE, VARIES 6" TO 8"
- ⑦ EXISTING BLOCK RETAINING WALL
- <sup>R</sup> ITEM TO BE REMOVED



ORCHARD LANE  
EXISTING TYPICAL SECTION  
STA. 23+38.87 TO STA. 24+45.00

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
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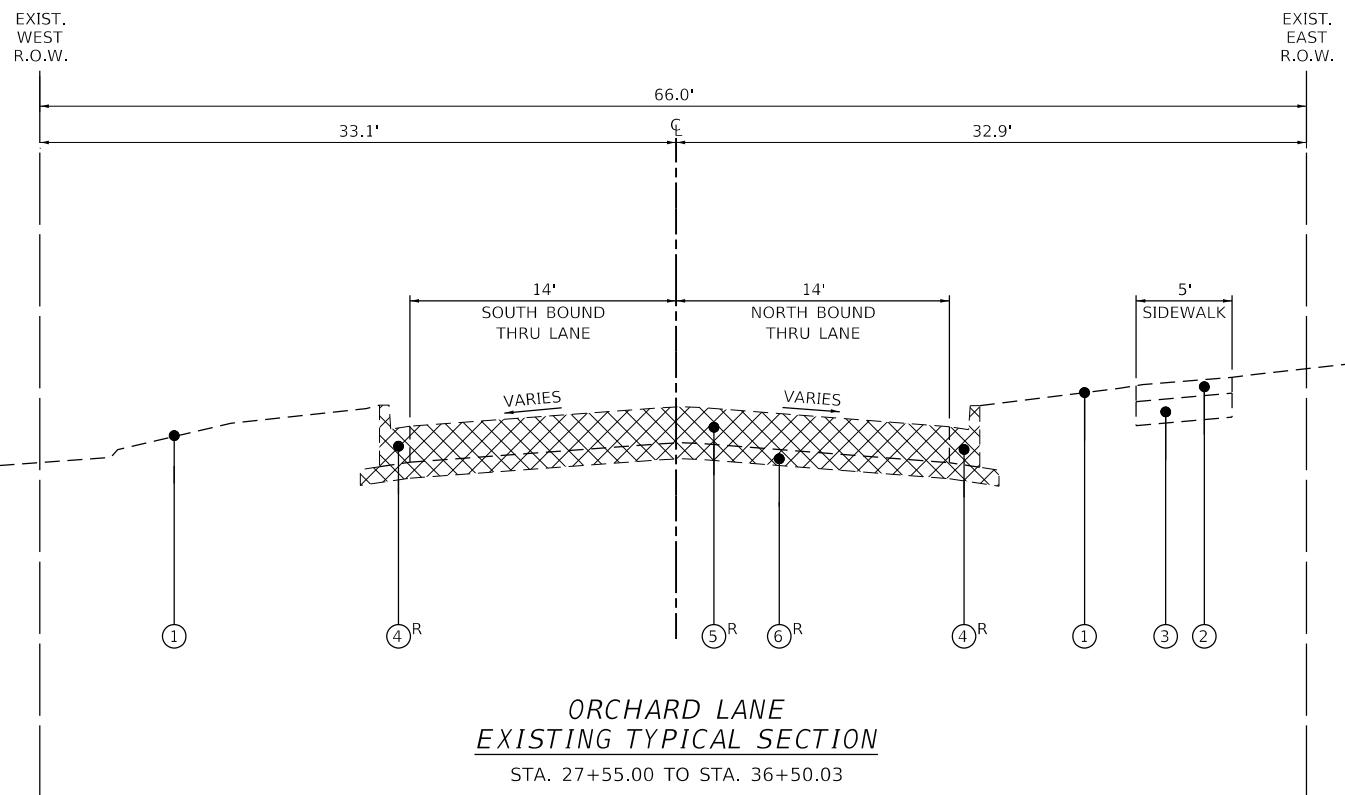
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1048	15-00078-00-PV	LAKE	228	12
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



ORCHARD LANE  
EXISTING TYPICAL SECTION  
STA. 24+45.00 TO STA. 27+55.00

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING AGGREGATE BASE COURSE
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING HMA PAVEMENT, VARIABLE DEPTH
  - STA. 10+43 TO STA. 33+00: 4.5" DEPTH
  - STA. 33+00 TO STA. 52+20: 8" DEPTH
  - STA. 52+20 TO STA. 83+55: 10" DEPTH
- ⑥ EXISTING AGGREGATE SUBGRADE, VARIES 6" TO 8".
- ⑦ EXISTING BLOCK RETAINING WALL
- <sup>R</sup> ITEM TO BE REMOVED



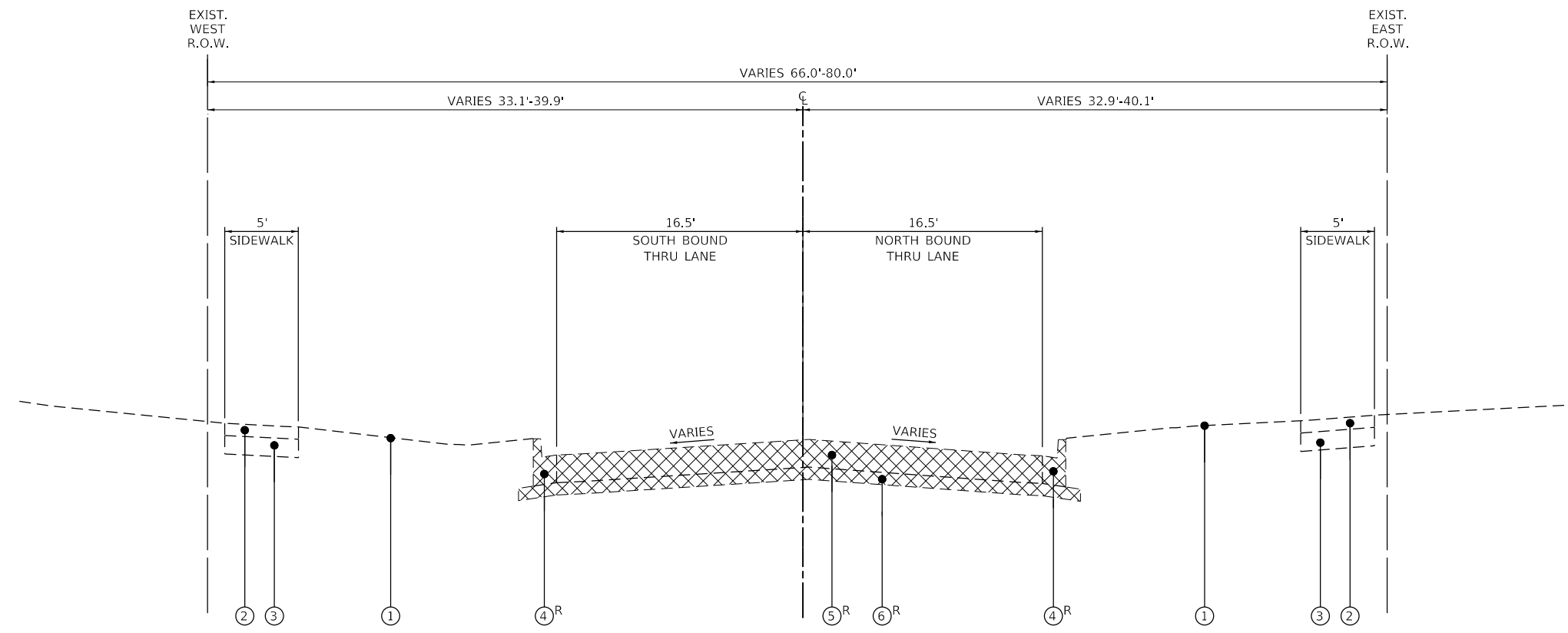
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EXISTING TYPICAL SECTION  
STA. 27+55.00 TO STA. 36+50.03

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DRAWN - PJS	REVISIONS -	
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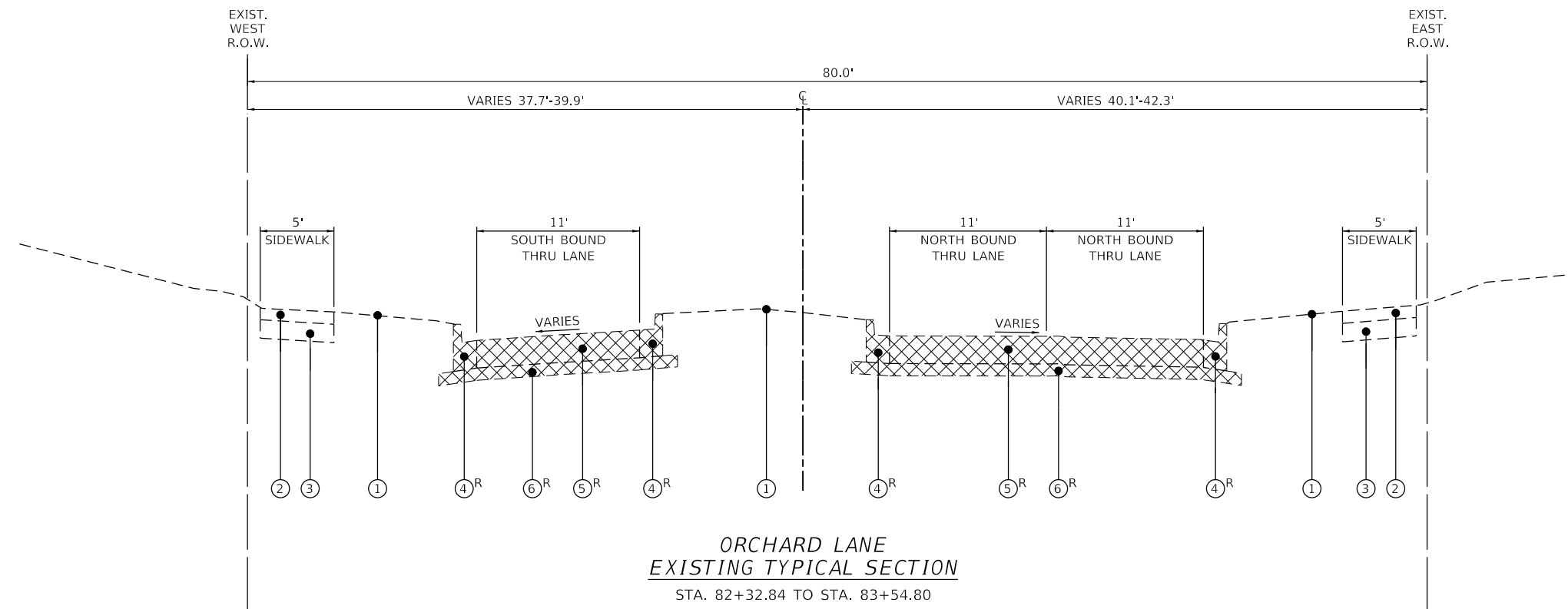
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1048	15-00078-00-PV	LAKE	228	13
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING AGGREGATE BASE COURSE
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING HMA PAVEMENT, VARIABLE DEPTH
  - STA. 10+43 TO STA. 33+00: 4.5" DEPTH
  - STA. 33+00 TO STA. 52+20: 8" DEPTH
  - STA. 52+20 TO STA. 83+55: 10" DEPTH
- ⑥ EXISTING AGGREGATE SUBGRADE, VARIES 6" TO 8".
- ⑦ EXISTING BLOCK RETAINING WALL
- <sup>R</sup> ITEM TO BE REMOVED



**ORCHARD LANE**  
**EXISTING TYPICAL SECTION**  
STA. 36+50.03 TO STA. 82+32.84



**ORCHARD LANE**  
**EXISTING TYPICAL SECTION**  
STA. 82+32.84 TO STA. 83+54.80

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

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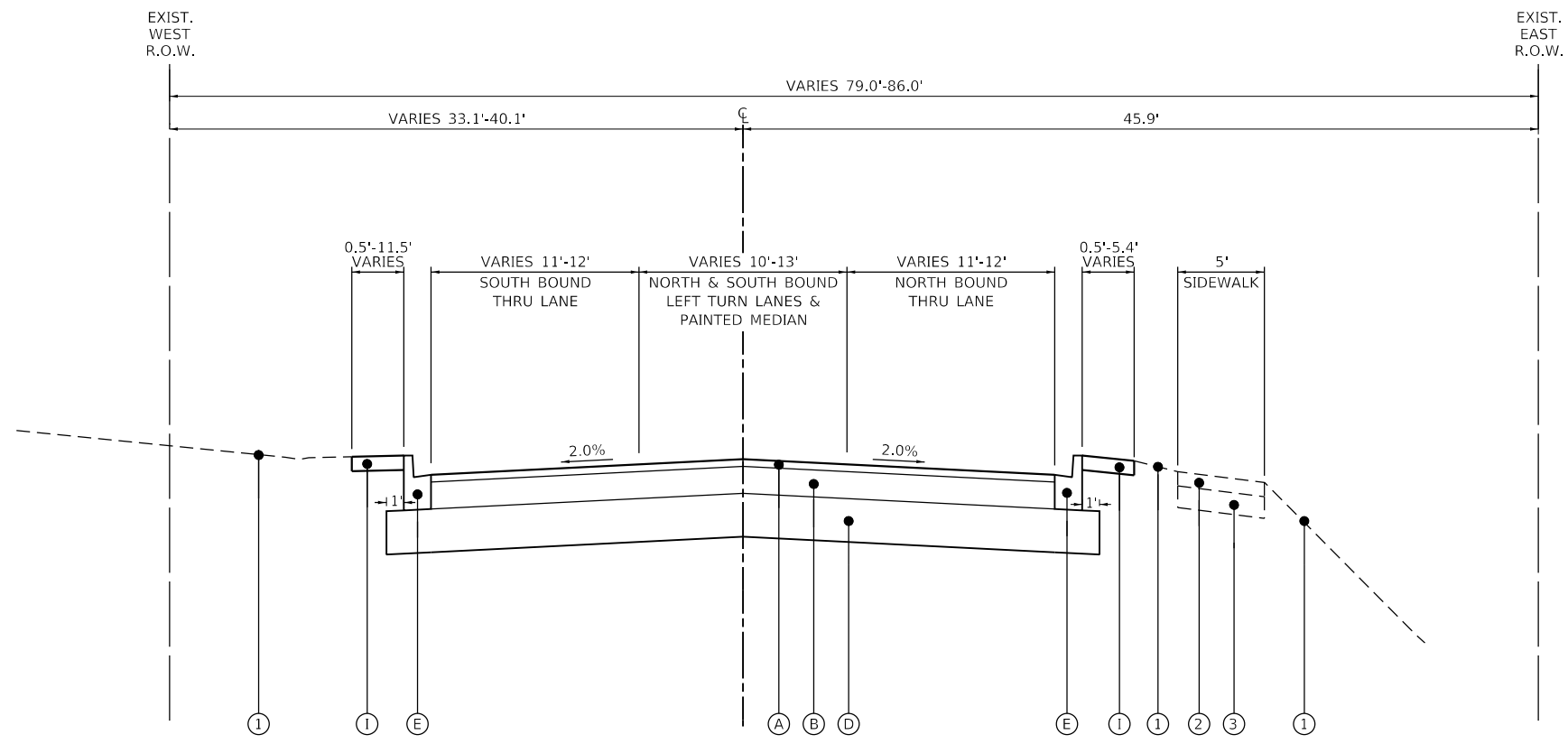
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

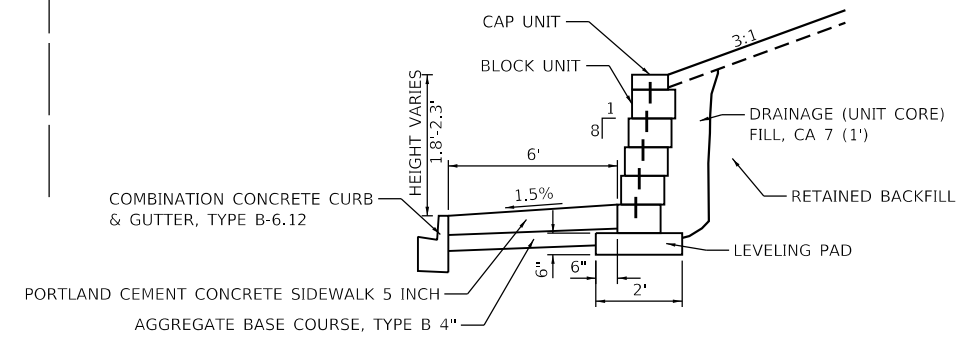
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<b>ORCHARD LANE</b>		
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MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

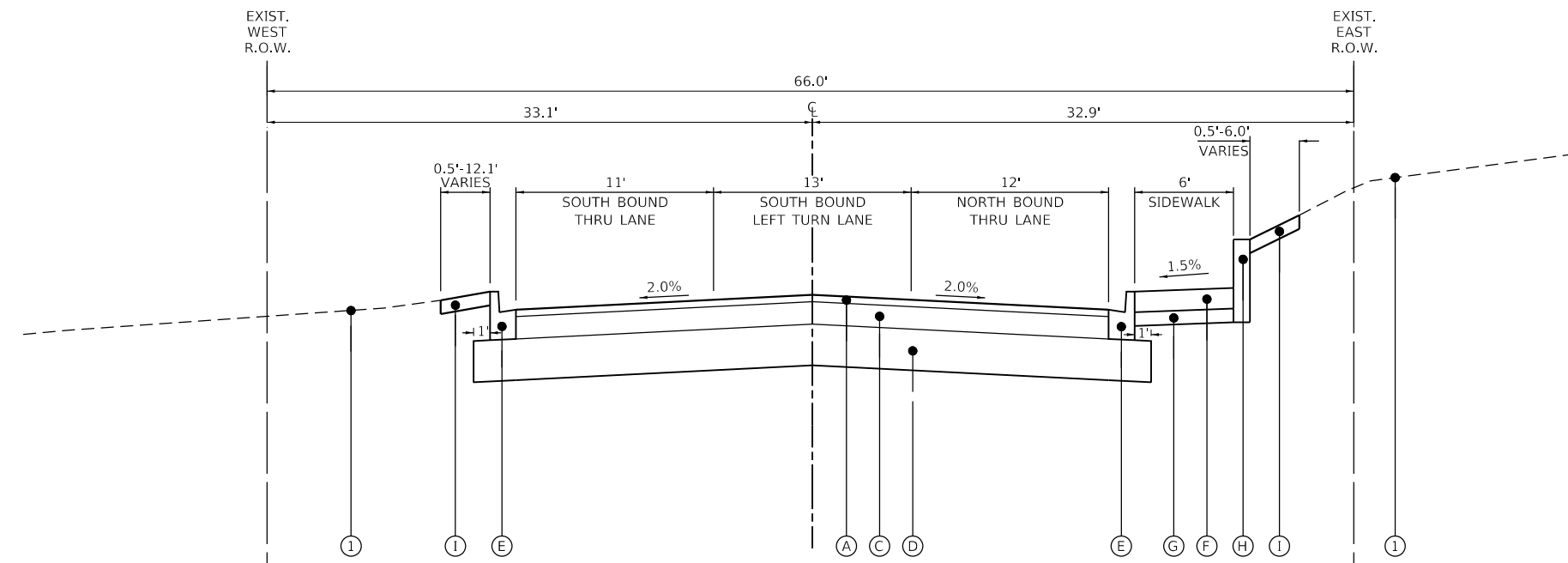


**ORCHARD LANE  
PROPOSED TYPICAL SECTION**  
STA. 10+43.84 TO STA. 23+38.87

- LEGEND**
- ① EXISTING GROUND SURFACE
  - ② EXISTING PCC SIDEWALK
  - ③ EXISTING AGGREGATE BASE COURSE
  - Ⓐ HMA SURFACE COURSE, MIX D, N70 (2")
  - Ⓑ HMA BINDER COURSE, IL-19.0, N70 (7.5")
  - Ⓒ HMA BINDER COURSE, IL-19.0, N70 (6.5")
  - Ⓓ AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - Ⓔ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
  - Ⓕ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - Ⓖ AGGREGATE BASE COURSE, TYPE B 4"
  - Ⓗ SEGMENTAL CONCRETE BLOCK WALL
  - ① TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT



**SEGMENTAL CONCRETE BLOCK WALL DETAIL**



**ORCHARD LANE  
PROPOSED TYPICAL SECTION**  
STA. 23+38.87 TO STA. 24+50.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
<b>ORCHARD LANE RECONSTRUCTION</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; VARIES 6.5"-7.5"	4% @ 70 Gyr.
<b>HMA DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% @ 50 Gyr.
<b>TEMPORARY RAMP, SPECIAL</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1.5"	4% @ 50 Gyr.
<b>TEMPORARY PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 Gyr.
TEMPORARY PAVEMENT (HMA BINDER IL-19 mm); 6"	4% @ 50 Gyr.
<b>HOOK DRIVE RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 1"	3.5% @ 50 Gyr.
<b>SHARED-USE PATH</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 3"	4% @ 50 Gyr.
<b>CLASS D PATCHES</b>	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6" OR 10"	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 DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

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4600.016-041

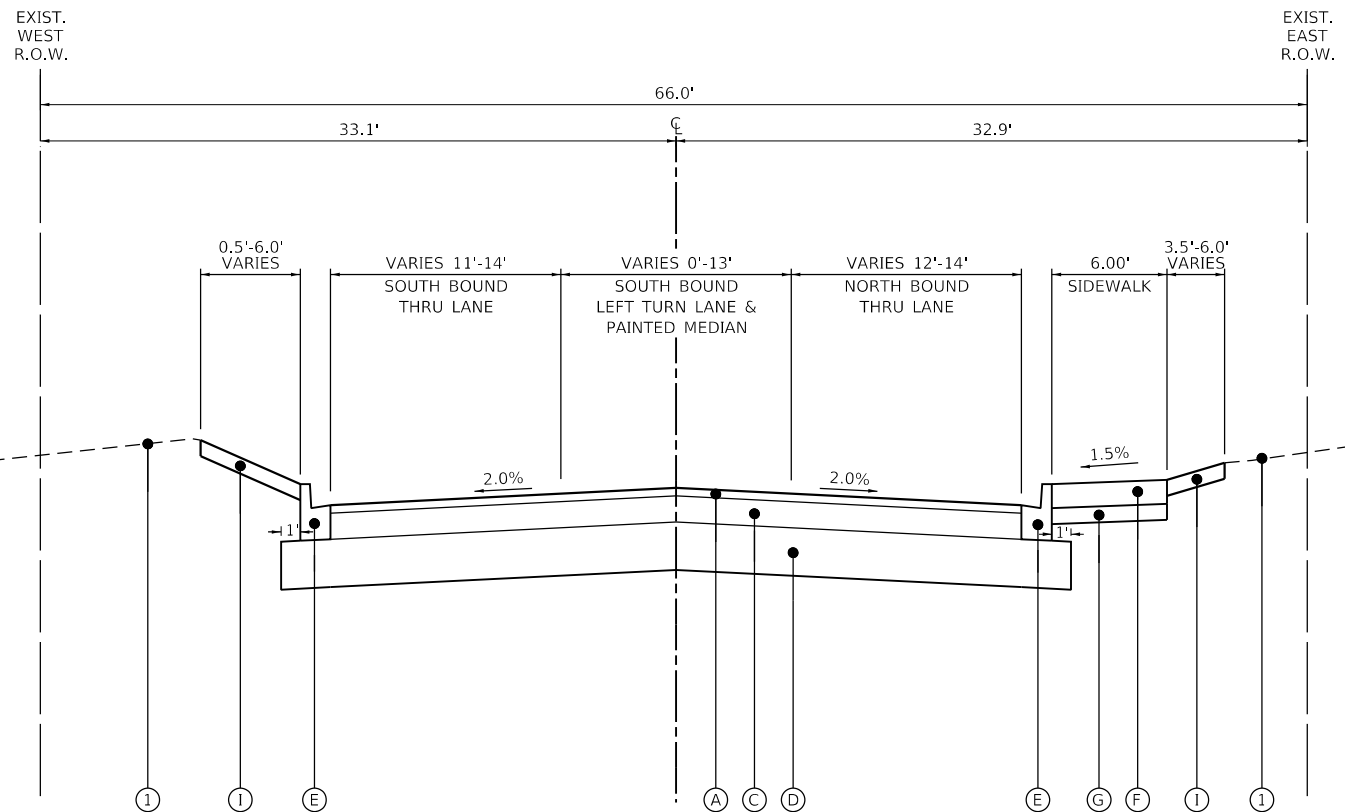
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

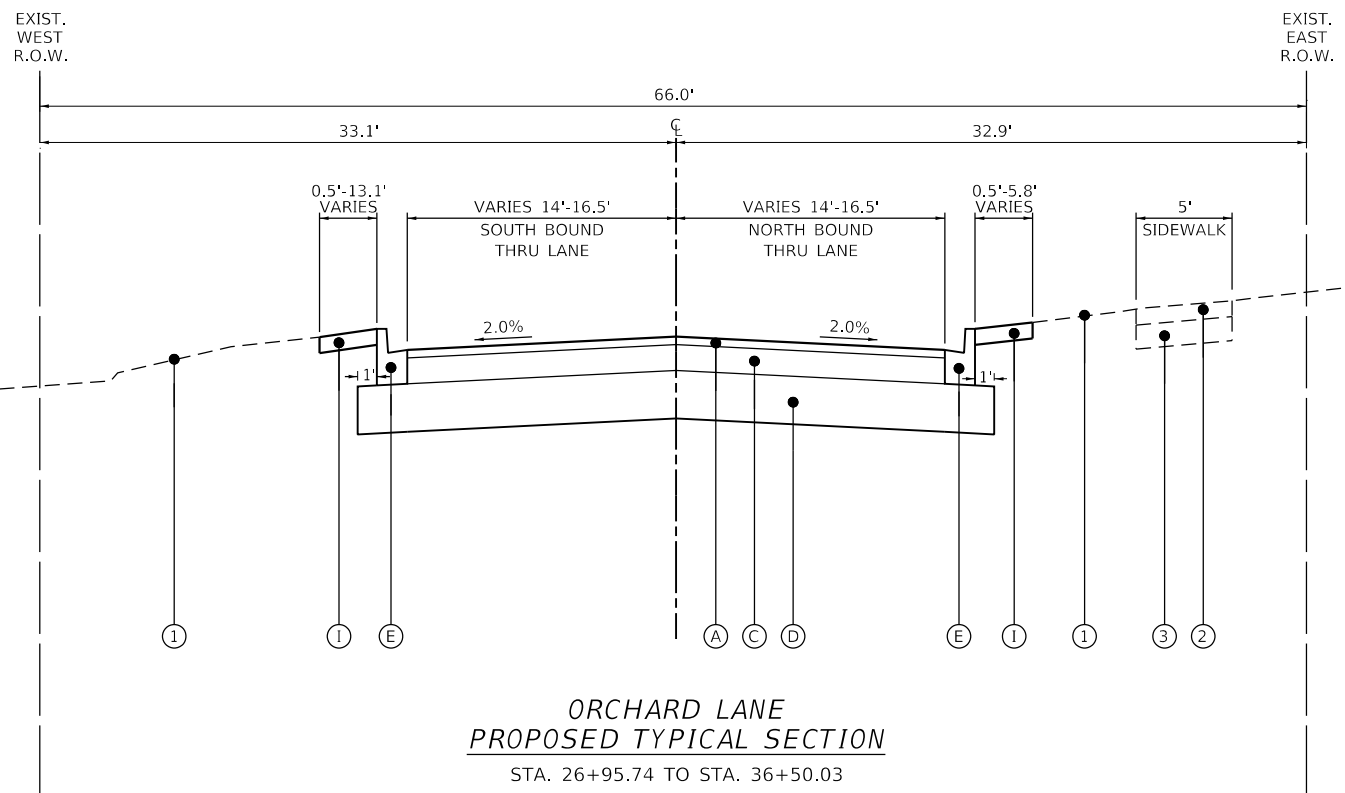
**PROPOSED TYPICAL SECTION  
ORCHARD LANE**

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	15
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



ORCHARD LANE  
PROPOSED TYPICAL SECTION  
 STA. 24+50.00 TO STA. 26+95.74



ORCHARD LANE  
PROPOSED TYPICAL SECTION  
 STA. 26+95.74 TO STA. 36+50.03

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING AGGREGATE BASE COURSE
- Ⓐ HMA SURFACE COURSE, MIX D, N70 (2")
- Ⓑ HMA BINDER COURSE, IL-19.0, N70 (7.5")
- Ⓒ HMA BINDER COURSE, IL-19.0, N70 (6.5")
- Ⓓ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- Ⓔ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- Ⓕ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- Ⓖ AGGREGATE BASE COURSE, TYPE B 4"
- Ⓗ SEGMENTAL CONCRETE BLOCK WALL
- ① TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

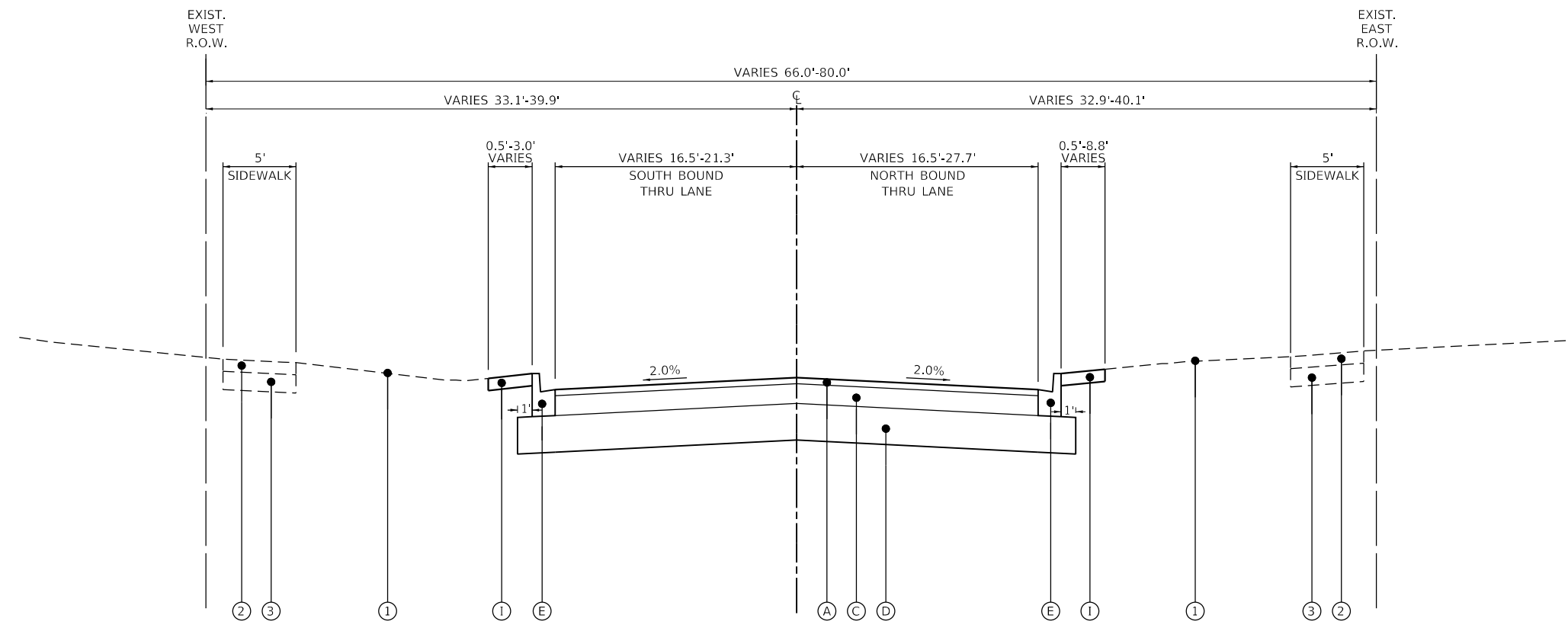
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PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

<b>PROPOSED TYPICAL SECTION</b>		
<b>ORCHARD LANE</b>		
SCALE: NONE	SHEET 2 OF 3 SHEETS	STA. TO STA.

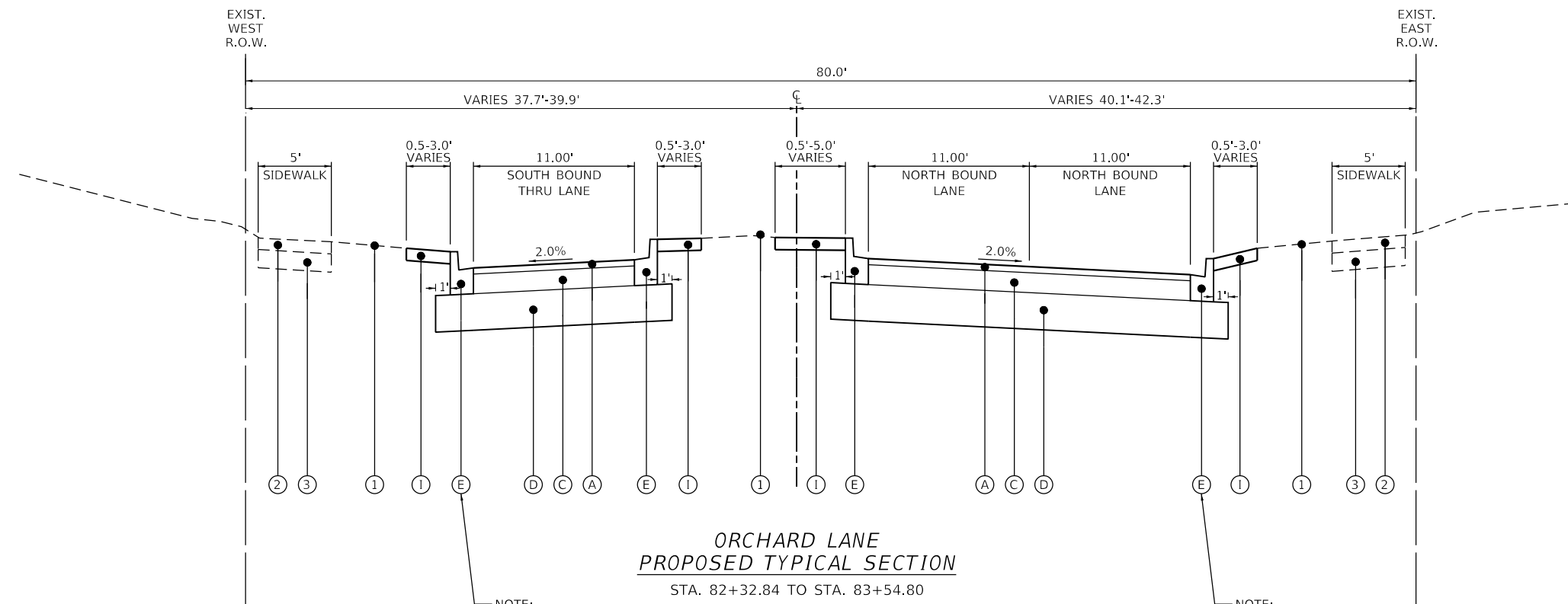
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1048	15-00078-00-PV	LAKE	228	16
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- ① EXISTING GROUND SURFACE
  - ② EXISTING PCC SIDEWALK
  - ③ EXISTING AGGREGATE BASE COURSE
  - Ⓐ HMA SURFACE COURSE, MIX D, N70 (2")
  - Ⓑ HMA BINDER COURSE, IL-19.0, N70 (7.5")
  - Ⓒ HMA BINDER COURSE, IL-19.0, N70 (6.5")
  - Ⓓ AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - Ⓔ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
  - Ⓕ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - Ⓖ AGGREGATE BASE COURSE, TYPE B 4"
  - Ⓗ SEGMENTAL CONCRETE BLOCK WALL
  - ① TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT



**ORCHARD LANE  
PROPOSED TYPICAL SECTION**  
STA. 36+50.03 TO STA. 82+32.84



**ORCHARD LANE  
PROPOSED TYPICAL SECTION**  
STA. 82+32.84 TO STA. 83+54.80

NOTE:  
AT STA. 83+30.97 TO END, COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 TRANSITIONS TO COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

NOTE:  
AT STA. 83+44.30 TO END, COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 TRANSITIONS TO COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

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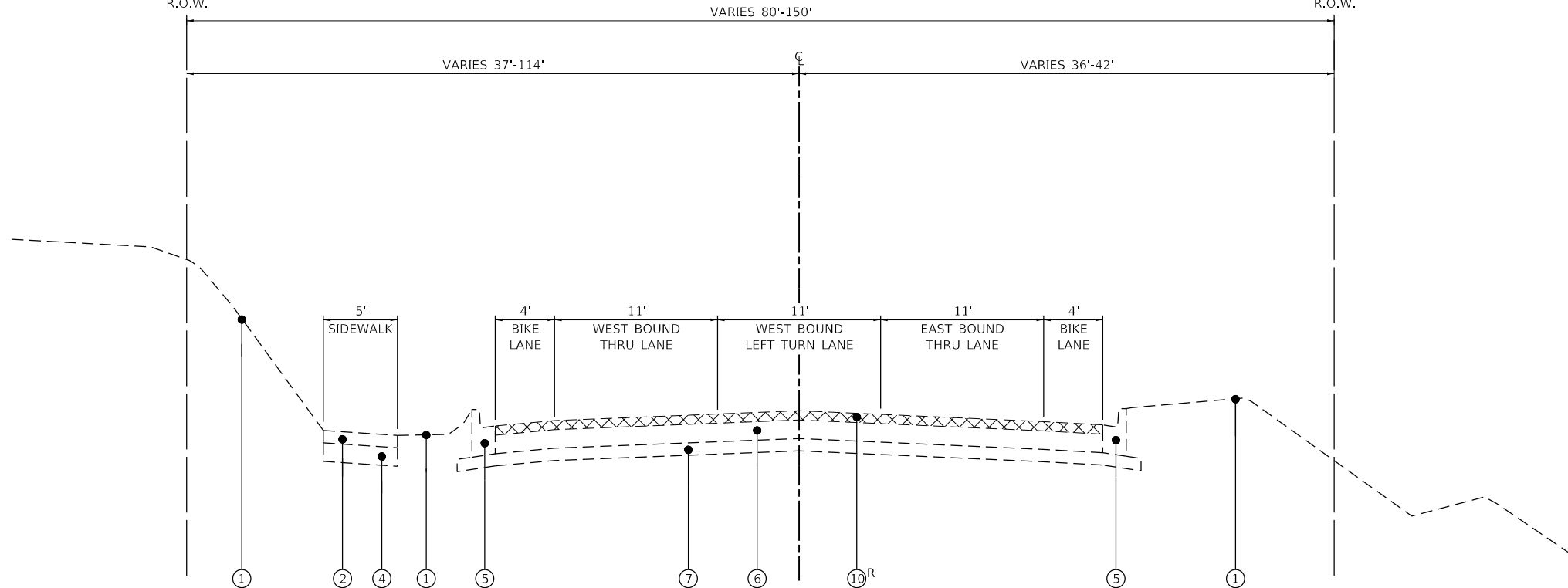
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED TYPICAL SECTION</b>		
<b>ORCHARD LANE</b>		
SCALE: NONE	SHEET 3 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	17
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

EXIST.  
NORTH  
R.O.W.

EXIST.  
SOUTH  
R.O.W.



**HOOK DRIVE  
EXISTING TYPICAL SECTION**

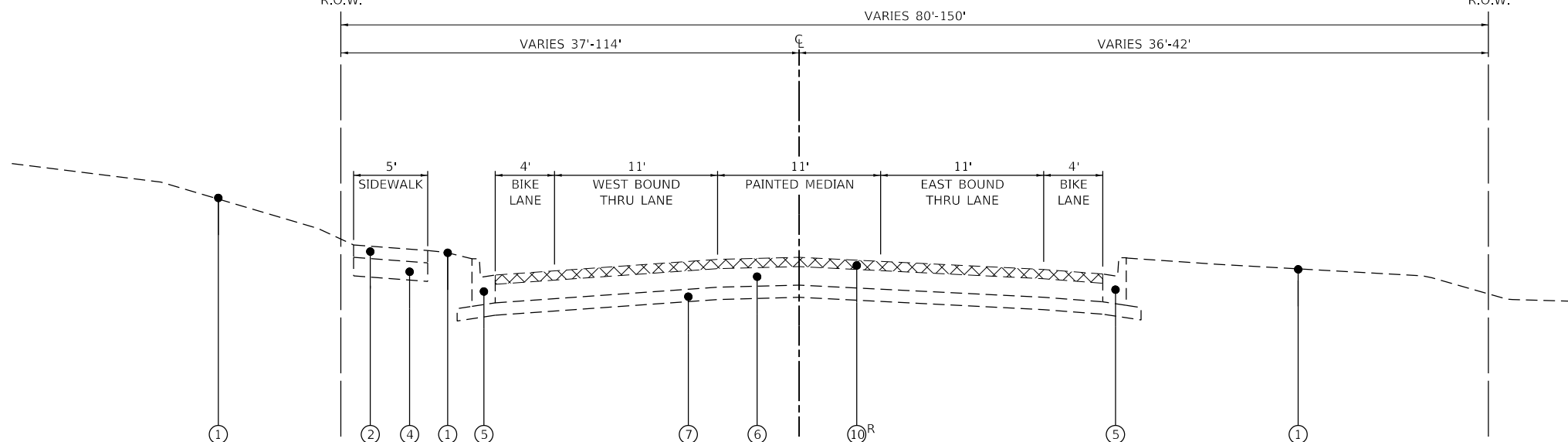
STA. 100+19.41 TO STA. 102+50  
 STA. 108+50 TO STA. 111+10  
 STA. 126+95 TO STA. 129+66

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING HOT-MIX ASPHALT SHARED-USE PATH
- ④ EXISTING AGGREGATE BASE COURSE
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING HMA PAVEMENT, 9"±
- ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
- ⑨ EXISTING HOT-MIX ASPHALT SHOULDERS
- ⑩ HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- <sup>R</sup> ITEM TO BE REMOVED

EXIST.  
NORTH  
R.O.W.

EXIST.  
SOUTH  
R.O.W.

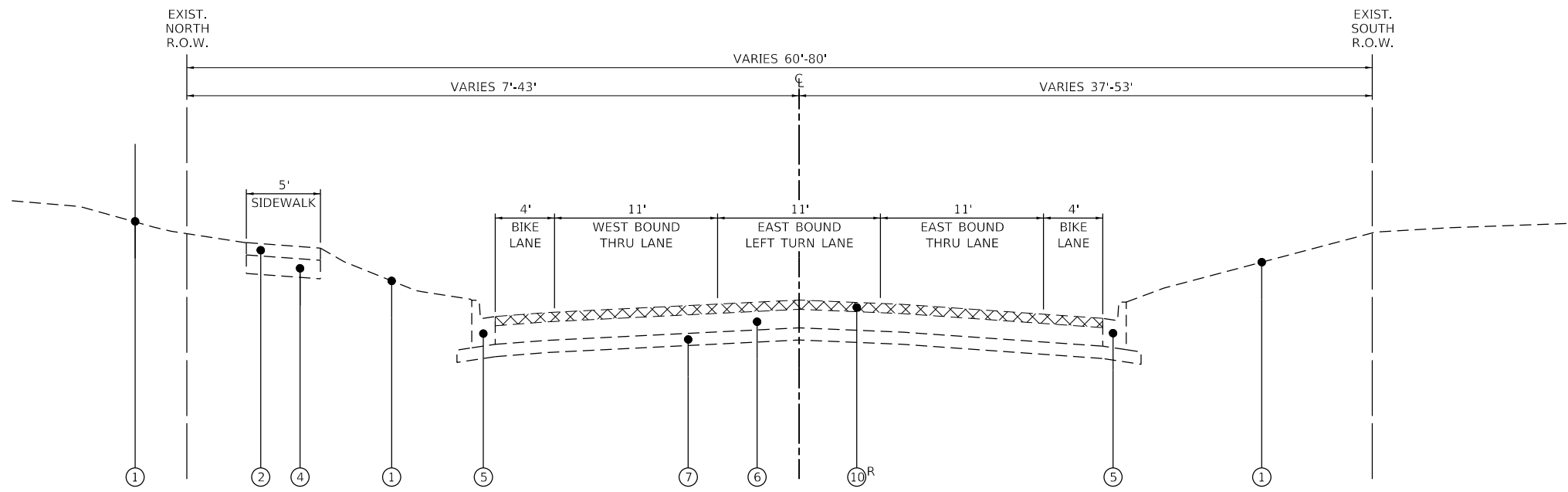


**HOOK DRIVE  
EXISTING TYPICAL SECTION**

STA. 102+50 TO STA. 108+50  
 STA. 111+10 TO STA. 113+97  
 STA. 117+75 TO STA. 123+60  
 STA. 129+66 TO STA. 129+75

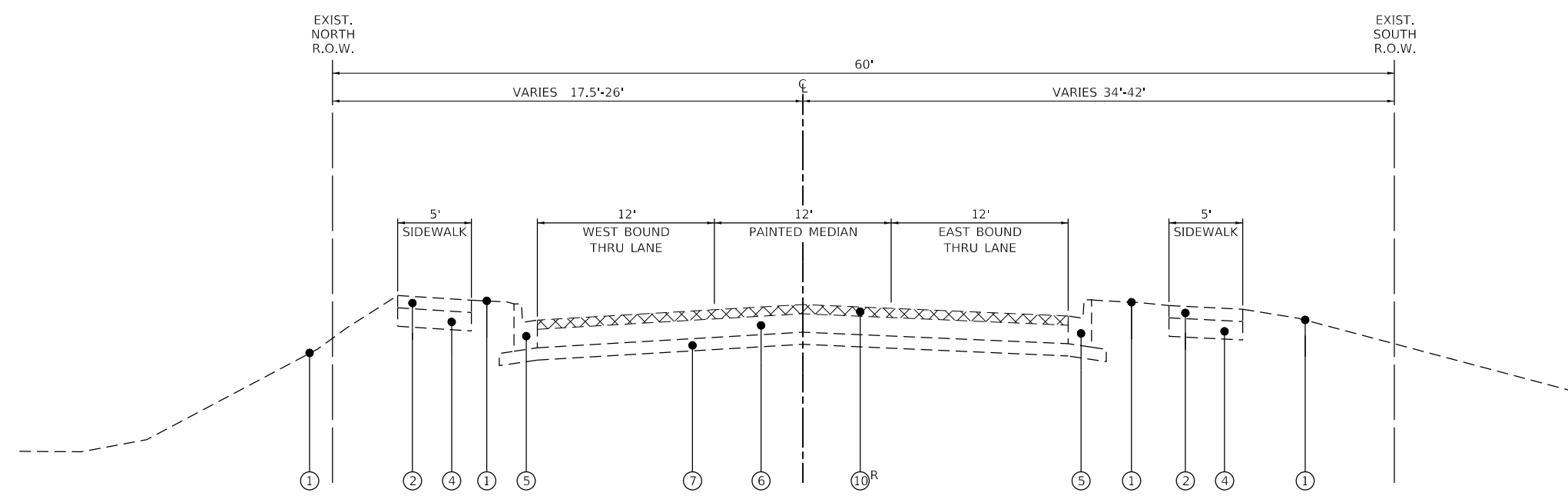
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	18
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- ① EXISTING GROUND SURFACE
  - ② EXISTING PCC SIDEWALK
  - ③ EXISTING HOT-MIX ASPHALT SHARED-USE PATH
  - ④ EXISTING AGGREGATE BASE COURSE
  - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
  - ⑥ EXISTING HMA PAVEMENT, 9"±
  - ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
  - ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
  - ⑨ EXISTING HOT-MIX ASPHALT SHOULDERS
  - ⑩ HOT-MIX ASPHALT SURFACE REMOVAL, 3"
  - ⑩<sup>R</sup> ITEM TO BE REMOVED

**HOOK DRIVE**  
**EXISTING TYPICAL SECTION**  
 STA. 113+97 TO STA. 117+75  
 STA. 123+60 TO STA. 126+95  
 STA. 129+75 TO STA. 132+75



**HOOK DRIVE**  
**EXISTING TYPICAL SECTION**  
 STA. 132+75 TO STA. 135+43

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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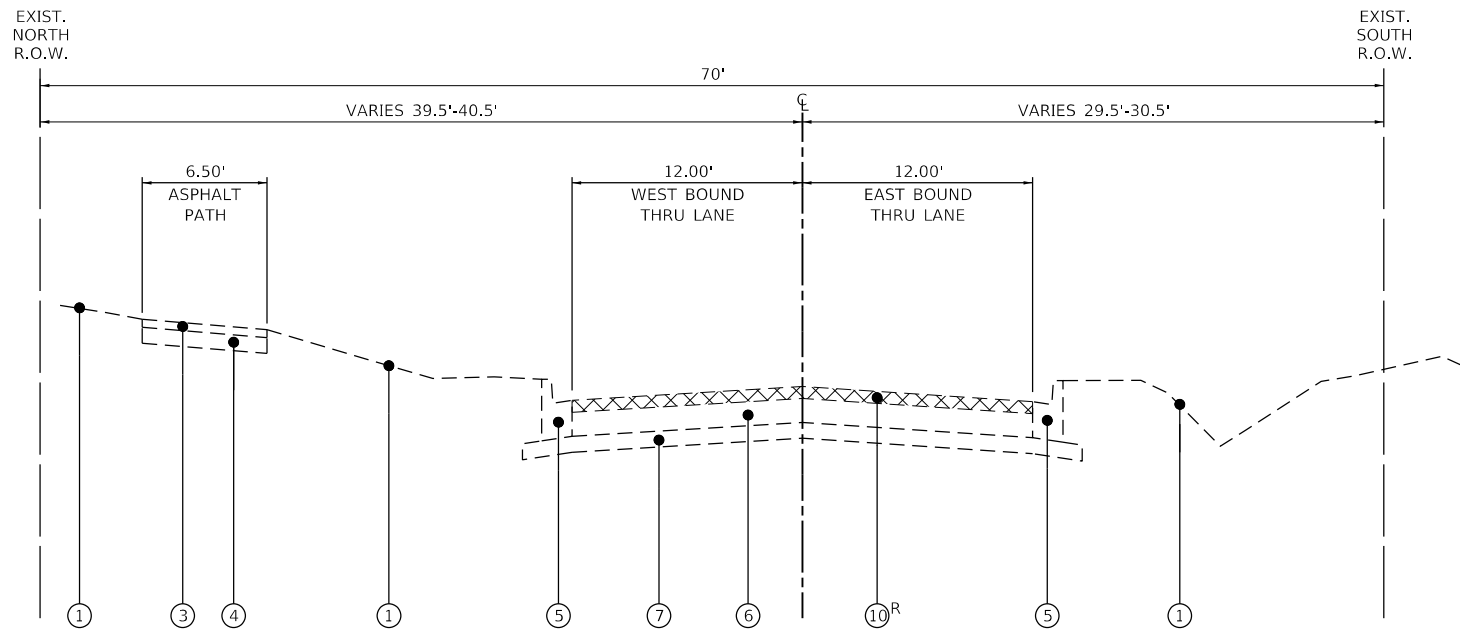
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PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EXISTING TYPICAL SECTION</b>		
<b>HOOK DRIVE</b>		
SCALE: NONE	SHEET 2 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

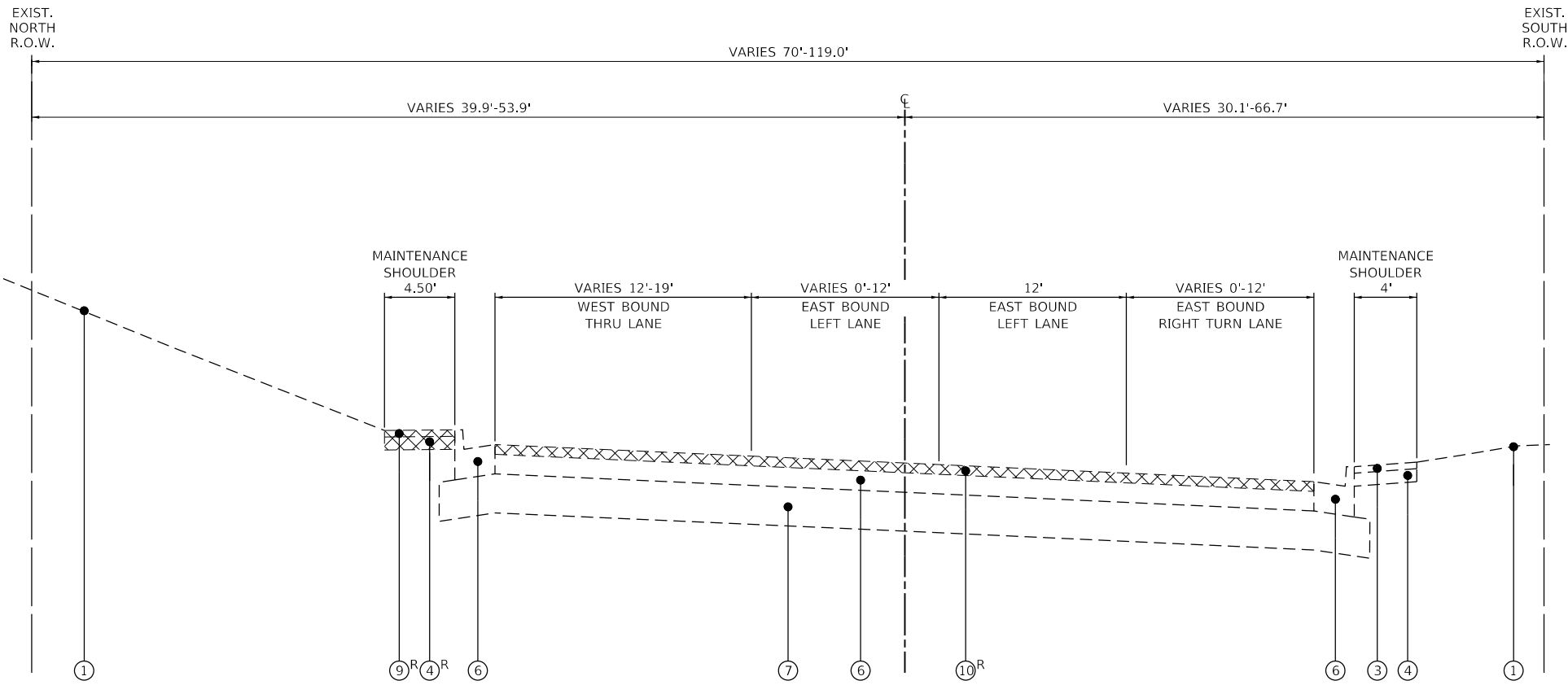


**HOOK DRIVE  
EXISTING TYPICAL SECTION**

STA. 143+62 TO STA. 153+49

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING HOT-MIX ASPHALT SHARED-USE PATH
- ④ EXISTING AGGREGATE BASE COURSE
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING HMA PAVEMENT, 9"±
- ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
- ⑨ EXISTING HOT-MIX ASPHALT SHOULDERS
- ⑩ HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- <sup>R</sup> ITEM TO BE REMOVED



**HOOK DRIVE  
EXISTING TYPICAL SECTION**

STA. 153+49 TO 161+35.00

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISIONS -	
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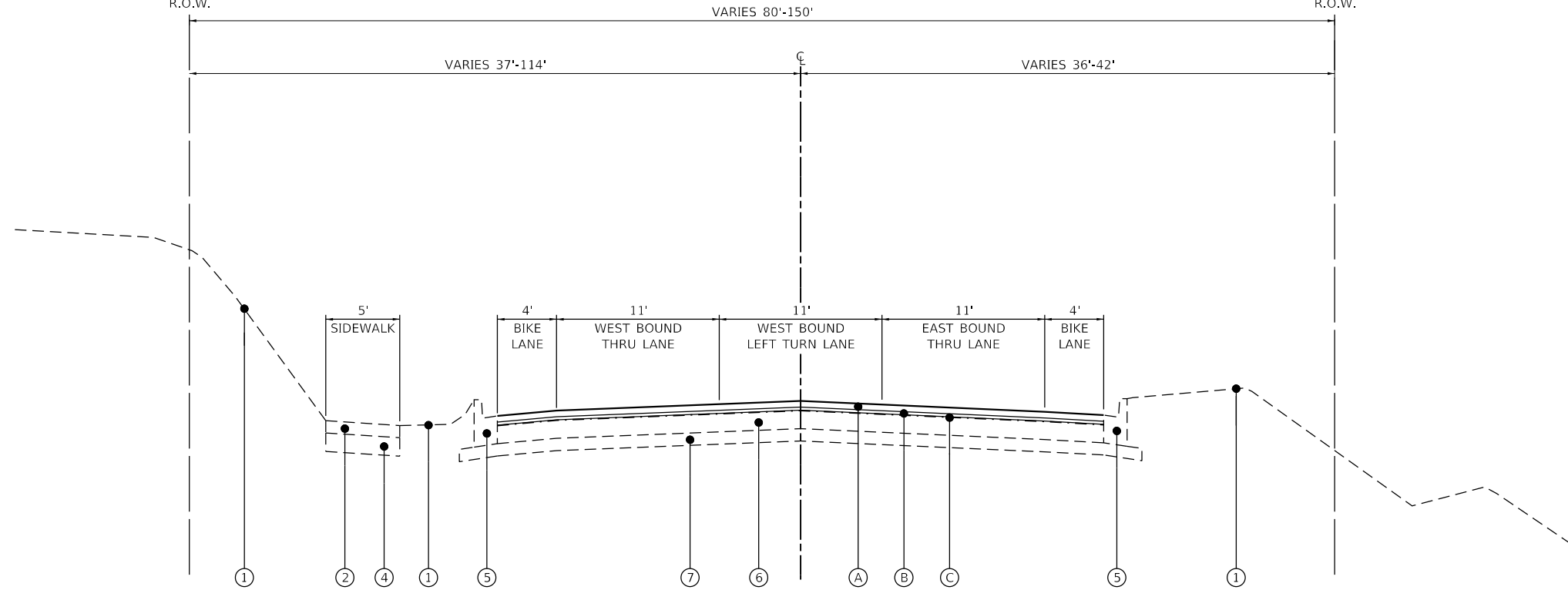
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MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

EXIST.  
NORTH  
R.O.W.

EXIST.  
SOUTH  
R.O.W.

**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING HMA PATH
- ④ EXISTING AGGREGATE BASE COURSE
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING HMA PAVEMENT, 6"±
- ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- Ⓑ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- Ⓒ MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- Ⓓ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- Ⓔ AGGREGATE BASE COURSE, TYPE B 6"
- Ⓕ TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

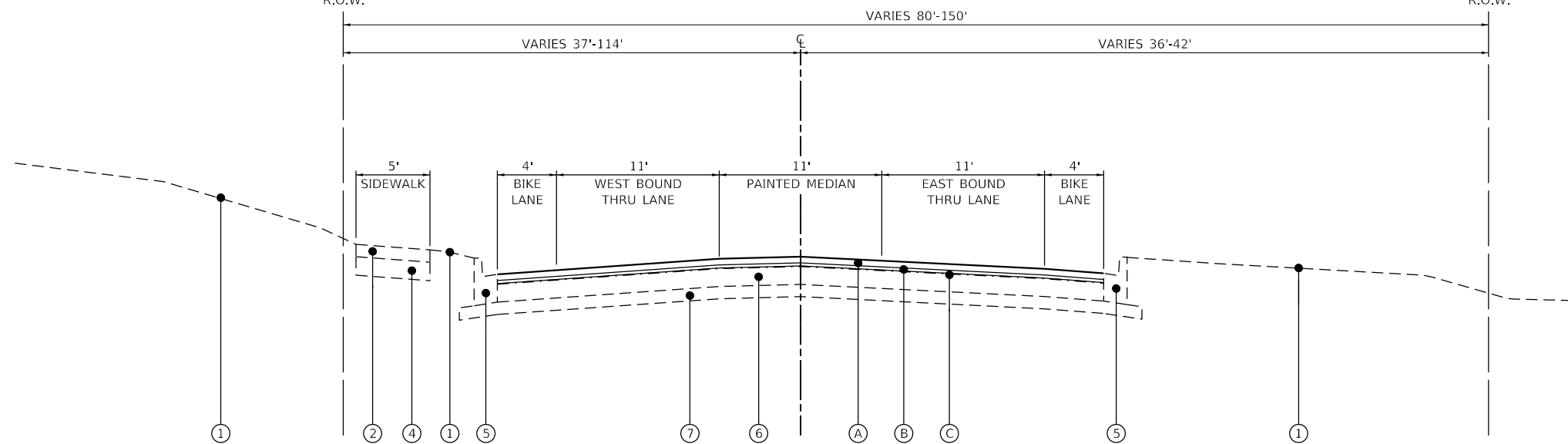


**HOOK DRIVE  
PROPOSED TYPICAL SECTION**

STA. 100+19.41 TO STA. 102+50  
 STA. 108+50 TO STA. 111+10  
 STA. 126+95 TO STA. 129+66

EXIST.  
NORTH  
R.O.W.

EXIST.  
SOUTH  
R.O.W.



**HOOK DRIVE  
PROPOSED TYPICAL SECTION**

STA. 102+50 TO STA. 108+50  
 STA. 111+10 TO STA. 113+97  
 STA. 117+75 TO STA. 123+60  
 STA. 129+66 TO STA. 129+75

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
PLOT SCALE = 1:10	DRAWN - PJS	REVISED -
PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

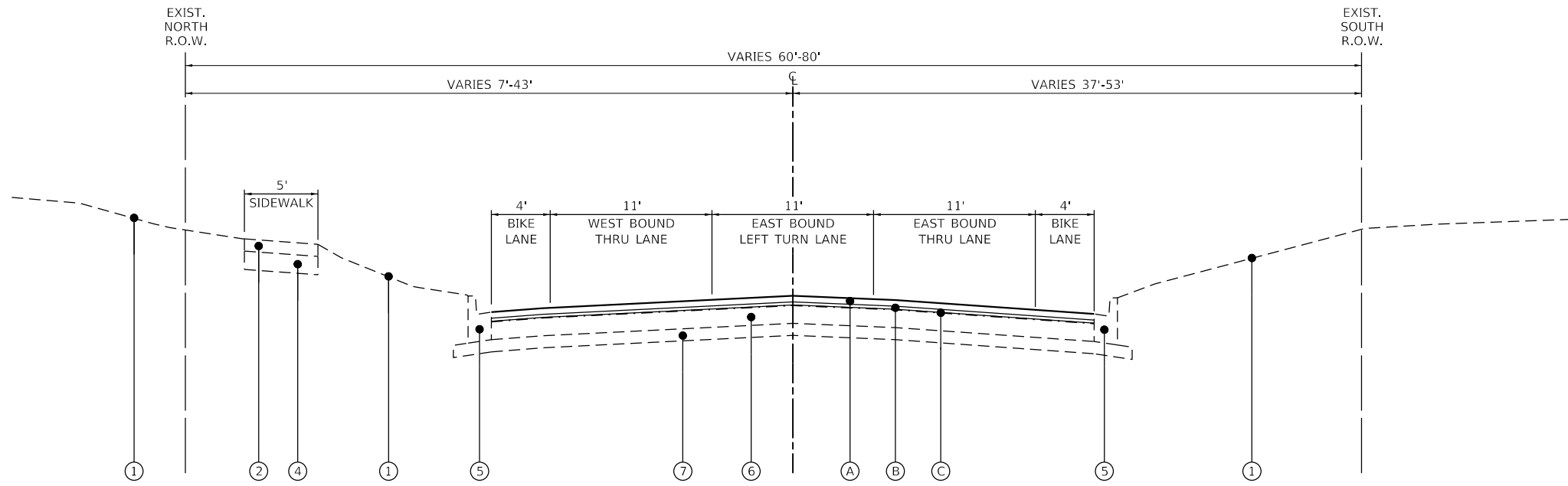
**PROPOSED TYPICAL SECTION  
HOOK DRIVE**

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	21
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

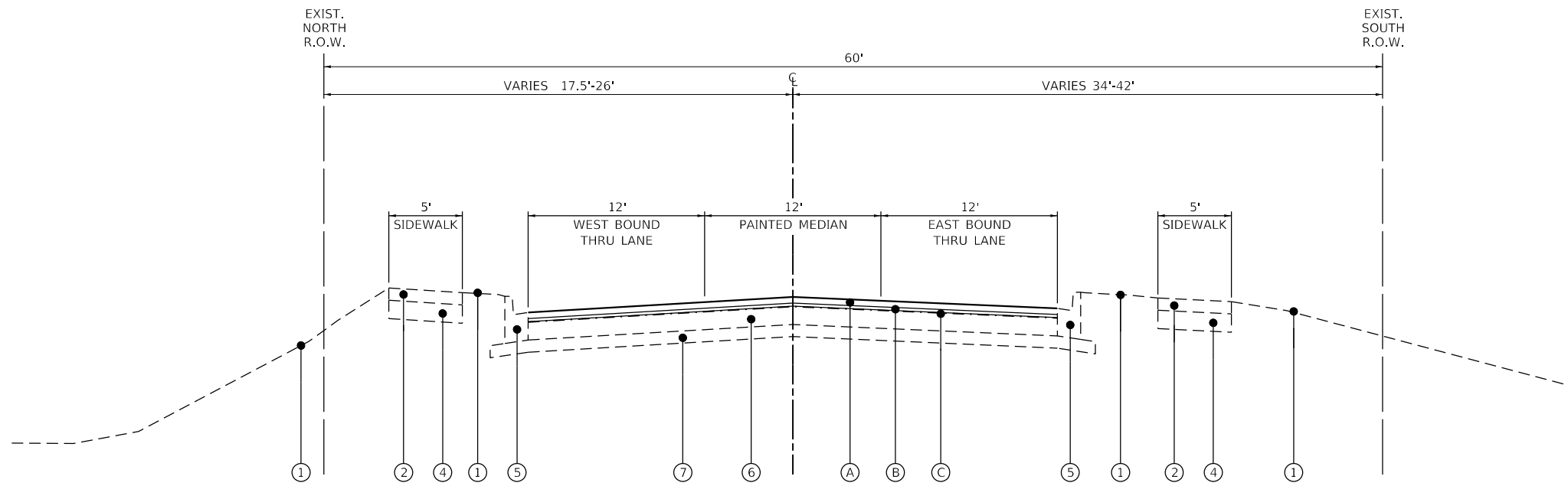
**LEGEND**

- ① EXISTING GROUND SURFACE
- ② EXISTING PCC SIDEWALK
- ③ EXISTING HMA PATH
- ④ EXISTING AGGREGATE BASE COURSE
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING HMA PAVEMENT, 6"±
- ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
- ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- Ⓑ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
- Ⓒ MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- Ⓓ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
- Ⓔ AGGREGATE BASE COURSE, TYPE B 6"
- Ⓕ TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT



**HOOK DRIVE  
PROPOSED TYPICAL SECTION**

STA. 113+97 TO STA. 117+75  
 STA. 123+60 TO STA. 126+95  
 STA. 129+75 TO STA. 132+75

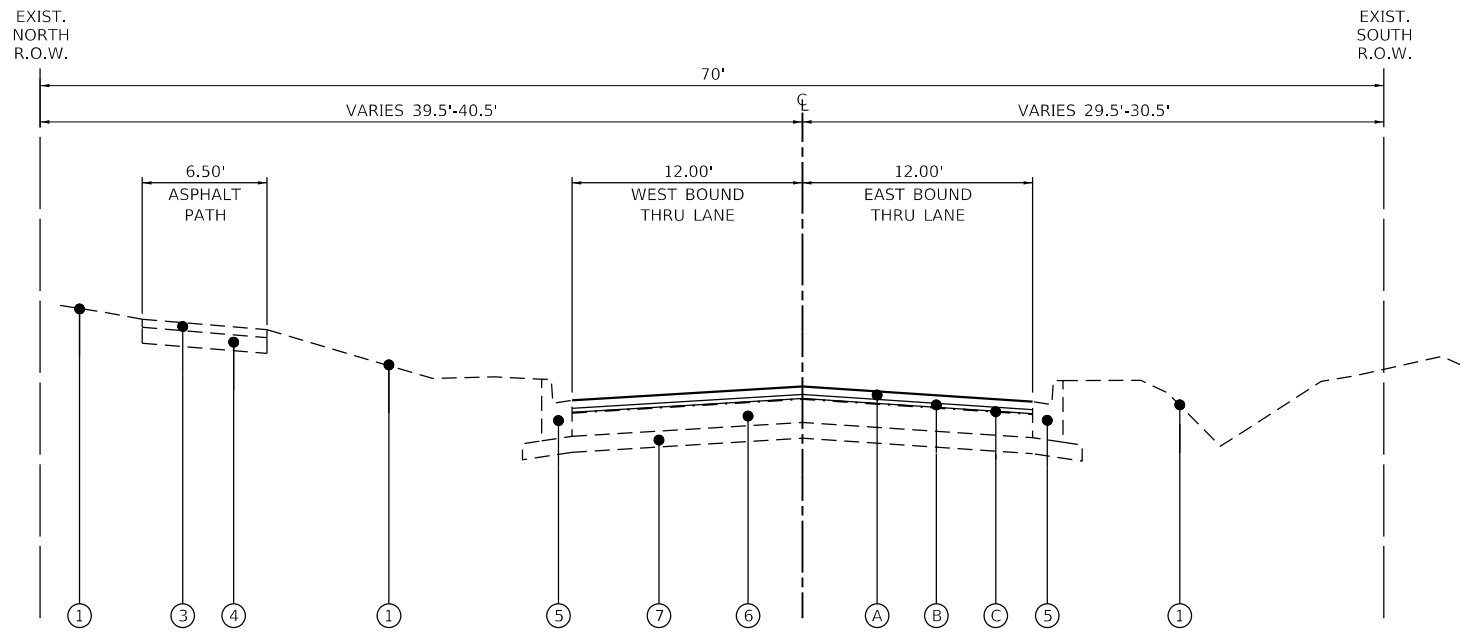


**HOOK DRIVE  
PROPOSED TYPICAL SECTION**

STA. 132+75 TO STA. 135+43

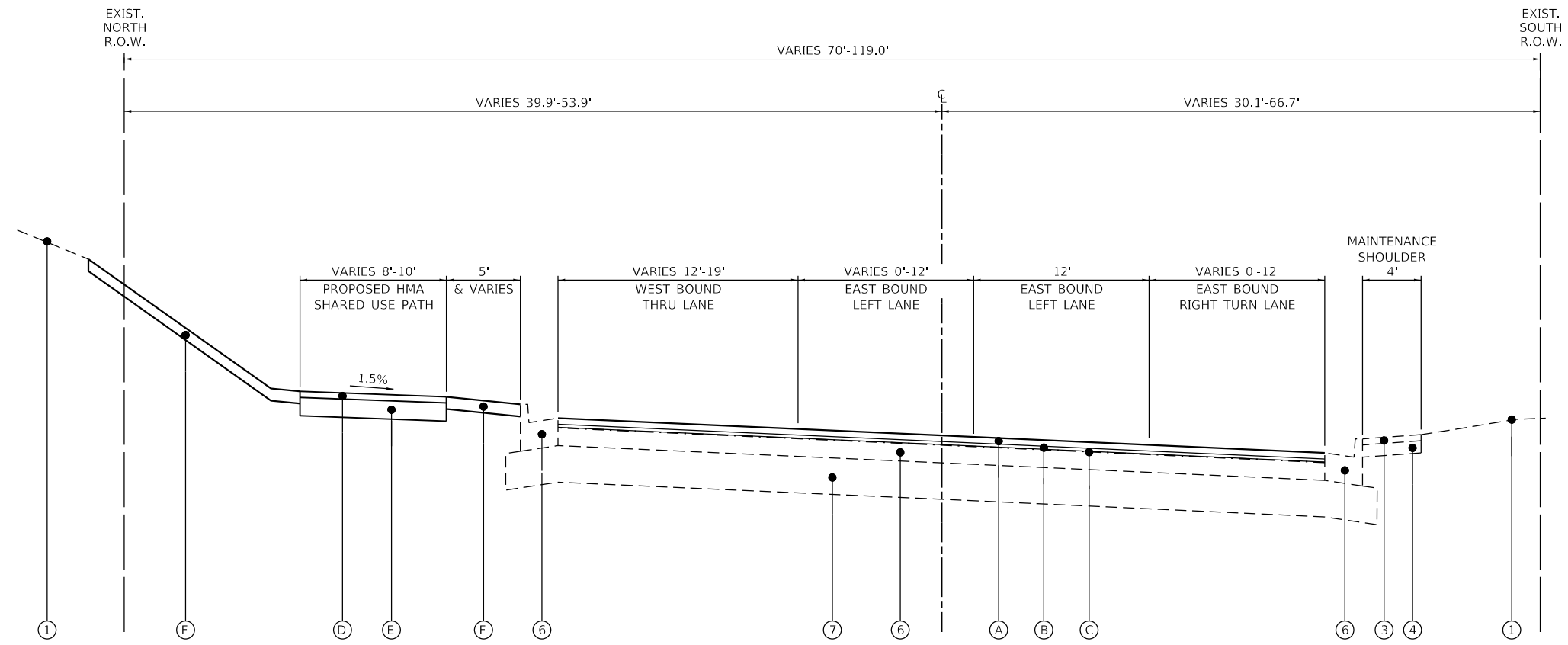
USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	22
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



**HOOK DRIVE  
PROPOSED TYPICAL SECTION**  
STA. 143+62 TO STA. 153+49

- LEGEND**
- ① EXISTING GROUND SURFACE
  - ② EXISTING PCC SIDEWALK
  - ③ EXISTING HMA PATH
  - ④ EXISTING AGGREGATE BASE COURSE
  - ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
  - ⑥ EXISTING HMA PAVEMENT, 6"±
  - ⑦ EXISTING AGGREGATE SUBGRADE, 4"±
  - ⑧ EXISTING AGGREGATE SUBGRADE, 12"±
  - (A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
  - (B) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
  - (C) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
  - (D) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
  - (E) AGGREGATE BASE COURSE, TYPE B 6"
  - (F) TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT



**HOOK DRIVE  
PROPOSED TYPICAL SECTION**  
STA. 153+49 TO 161+35.00

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 1609041-shr-typical.dwg

4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISIONS -	
PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED TYPICAL SECTION</b>	
<b>HOOK DRIVE</b>	
SCALE: NONE	SHEET 3 OF 3 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	23
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

DRIVEWAYS SCHEDULE			44000200	44000500	35101600	42300400	60603800	35501308	35501316	40603335	X1700021	X4021000	X4022000	X4024000
LOCATION (ORCHARD LANE)			DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	AGGREGATE BASE COURSE, TYPE B 4"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	HOT-MIX ASPHALT BASE COURSE, 6"	HOT-MIX ASPHALT BASE COURSE, 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	BRICK PAVER REMOVAL AND REINSTALL- ATION, SPECIAL	TEMPORARY ACCESS (PRIVATE ENTRANCE)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	TEMPORARY ACCESS (FIELD ENTRANCE)
STATION	LT/RT	TYPE	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(SQ FT)	(EACH)	(EACH)	(EACH)
11+71.61	LT	CE PCC	103.65		83.22	83.22							1	
13+20.39	LT	CE HMA	139.54	69.66				72.90		106.58	11.94		1	
13+49.17	RT	CE: EX HMA PR PCC	121.53	62.99	83.13	83.13		65.83					1	
14+10.82	LT	CE HMA	138.63	71.14				79.01		119.67	13.41		1	
15+28.52	LT	FE PCC	10.76											
17+91.04	LT	PE HMA	16.26					17.20		1.93		1		
18+28.78	RT	CE: EX HMA PR PCC	102.07	63.70	69.31	69.31		55.04					1	
18+48.46	LT	PE HMA	19.13					19.67		2.21		1		
21+71.12	LT	FE HMA	30.68					30.64		3.44				1
21+79.02	RT	CE: EX HMA PR PCC	166.20	63.76	121.29	121.29		58.48					1	
23+47.87	LT	PE HMA	11.39					11.18		1.26		1		
24+49.95	LT	PE HMA	11.20					10.54		1.19		1		
25+58.48	RT	CE: EX HMA PR PCC	58.93		29.19	29.19							1	
27+67.78	LT	FE HMA	20.85					21.00		2.36				1
30+65.98	LT	FE HMA	20.18					20.38		2.29				1
31+17.13	LT	PE HMA	22.71					22.14		2.48		1		
32+62.79	RT	CE: EX HMA PR PCC	70.75		51.03	51.03							1	
36+10.20	RT	CE: EX AGG PR HMA							40.23	4.51			1	
36+31.05	RT	FE HMA	13.94						13.37	1.50				1
40+20.21	RT	PE HMA	32.56					32.81		3.68		1		
40+42.68	LT	PE HMA	32.24					32.34		3.63		1		
40+62.30	RT	PE HMA	33.46					33.69		3.78		1		
41+20.75	LT	PE HMA	34.53					34.43		3.86		1		
41+80.88	LT	PE HMA	31.29					31.00		3.48		1		
43+01.93	LT	PE HMA	32.23					31.53		3.54		1		
44+62.14	RT	PE HMA	33.26					32.58		3.65		1		
45+12.44	RT	PE HMA/BRICK	33.34					32.24		3.62	20.88	1		
46+08.57	RT	PE HMA	32.61					31.90		3.58		1		
46+69.54	RT	PE HMA	30.76					30.22		3.39		1		
47+09.80	RT	PE HMA	29.82					29.44		3.30		1		
54+53.23	RT	PE HMA	29.43					29.15		3.27		1		
55+14.55	RT	PE HMA	30.50					30.09		3.38		1		
55+74.14	RT	PE HMA	29.83					29.48		3.31		1		
56+33.25	RT	PE BRICK									310.59	1		
57+00.20	RT	PE HMA	28.01							3.17		1		
57+95.27	RT	PE HMA	29.37					28.46		3.19		1		
58+51.68	RT	PE HMA	29.99					32.40		3.63		1		
59+24.57	RT	PE HMA	30.25					29.05		3.26		1		
59+96.73	RT	PE HMA	30.61					28.07		3.15		1		
60+58.10	RT	PE HMA	29.43					26.54		2.98		1		
62+02.23	LT	PE HMA	31.28					32.97		3.70		1		
62+82.87	LT	PE HMA	31.93					33.23		3.73		1		
63+40.18	LT	PE HMA	29.91					29.38		3.30		1		
64+02.29	LT	PE HMA	30.10					30.02		3.37		1		
67+44.11	RT	PE HMA	30.88					31.08		3.49		1		
68+05.63	RT	PE HMA	28.95					29.27		3.28		1		
68+56.11	LT	PE HMA	30.43					30.31		3.40		1		
68+66.34	RT	PE HMA	34.27					33.20		3.72		1		
69+04.69	LT	PE HMA	29.48					29.62		3.32		1		
69+43.24	RT	PE HMA	31.74					30.77		3.45		1		



MODEL: Default  
FILE NAME: 4600016-041-rhs-Schedule of Quantities\_1.dgn

4600016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	24
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



DRIVEWAYS SCHEDULE (CONTINUED)			44000200	44000500	35101600	42300400	60603800	35501308	35501316	40603335	X1700021	X4021000	X4022000	X4024000
LOCATION (ORCHARD LANE)			DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	AGGREGATE BASE COURSE, TYPE B 4"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	HOT-MIX ASPHALT BASE COURSE, 6"	HOT-MIX ASPHALT BASE COURSE, 8"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL	TEMPORARY ACCESS (PRIVATE ENTRANCE)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	TEMPORARY ACCESS (FIELD ENTRANCE)
STATION	LT/RT	TYPE	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(SQ FT)	(EACH)	(EACH)	(EACH)
70+26.99	RT	PE HMA	29.67					28.16		3.16		1		
70+51.17	LT	PE HMA	29.08					32.01		3.59		1		
71+24.07	RT	PE HMA	31.89					30.11		3.38		1		
76+44.88	LT	PE HMA	31.44					32.25		3.62		1		
77+44.98	LT	PE HMA	32.21					31.62		3.55		1		
78+48.37	LT	PE HMA	32.67					32.85		3.68		1		
79+27.65	LT	PE HMA	32.76					32.61		3.66		1		
79+98.66	LT	PE HMA	33.21					32.78		3.68		1		
80+72.09	LT	PE HMA	32.16					30.11		3.38		1		
81+88.00	LT	PE HMA	28.25					28.03		3.14		1		
82+27.71	LT	PE HMA	25.72					25.63		2.88		1		
<b>SCHEDULE TOTAL:</b>			2,381	331.25	437.17	438	331.26	1,445	280	193.46	332	48	9	4

SIDE STREET SCHEDULE					40600982	44000100	44000500	44000161	30300112	40600827	40603085	40603340	60603800	X4023000
LOCATION					HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	AGGREGATE SUBGRADE IMPROVEMENT 12"	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	TEMPORARY ACCESS (ROAD)
START STATION	END STATION	LT/RT	SIDE STREET	STAGE	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(FOOT)	(EACH)
ORCHARD LANE														
16+55.84	17+07.85	LT	ACRE CT	STAGE 1	10.61	51.80	49.17		67.91		22.37	7.16	52.05	1
22+27.70	23+38.82	RT	HOOK DR	STAGE 2	0.00	206.43	82.41		252.21		93.01	24.81	108.25	1
37+82.52	38+65.29	LT	GREEN VALLEY LN	STAGE 1	13.53	145.87	108.84		183.80		55.84	18.70	106.93	1
42+29.77	43+12.65	RT	SILVER OAKS DR	STAGE 4	18.27	136.26	108.84		155.64		48.23	16.89	81.62	1
44+22.50	45+00.76	LT	GREEN VALLEY CT	STAGE 3	13.17	120.05	94.93		155.14		46.88	15.90	92.81	1
46+77.81	47+60.05	LT	HONEYSUCKLE DR	STAGE 3	13.34	115.71	94.24		152.39		45.91	15.62	92.58	1
48+70.03	49+46.29	RT	RUSTIC LN	STAGE 4	13.50	103.22	79.81		122.38		36.39	12.71	79.15	1
49+40.57	50+14.09	LT	RUSTIC LN	STAGE 3	13.31	102.97	76.28		121.65		36.28	12.66	77.63	1
49+47.33	50+20.52	RT	RUSTIC LN	STAGE 4	13.35	104.42	79.43		125.40		37.36	12.99	80.40	1
52+15.28	52+95.66	RT	ROSEWOOD LN	STAGE 4	13.30	113.80	89.70		139.89		41.82	14.36	88.14	1
52+19.89	52+92.89	LT	ROSEWOOD LN	STAGE 3	13.45	100.17	76.71		122.21		36.54	12.75	77.12	1
54+89.34	55+72.56	LT	COUNTRY WALK DR	STAGE 3	18.33	132.20	77.98		152.48		47.29	16.61	79.63	1
62+07.45	62+81.20	RT	ROSEWOOD LN	STAGE 4	13.20	105.84	80.31		124.85		37.19	12.92	80.22	1
64+70.80	65+44.67	RT	ACORN DR	STAGE 4	13.20	103.61	81.19		134.45		40.35	13.90	83.26	1
65+43.07	66+20.22	LT	ACORN DR	STAGE 3	13.01	104.88	81.09		117.81		34.81	12.17	78.38	1
65+45.56	66+19.61	RT	ACORN DR	STAGE 4	13.31	102.86	79.44		133.32		40.05	13.82	82.18	1
71+48.58	72+20.08	LT	BLUEBERRY LN	STAGE 3	13.45	133.00	93.30		160.10		48.57	16.45	93.85	1
72+93.43	73+67.78	RT	CHERRY COVE LN	STAGE 4	13.52	101.05	76.35		121.04		36.15	12.64	76.77	1
74+44.23	75+17.82	LT	WILDFLOWER LN	STAGE 3	13.15	99.50	76.74		120.67		35.89	12.52	77.87	1
75+98.92	76+72.81	RT	BLUEBELL CT	STAGE 4	13.48	99.51	77.40		122.46		36.58	12.77	77.62	1
78+72.73	79+44.97	RT	VINEYARD LN	STAGE 4	13.59	98.69	74.86		119.61		35.84	12.55	74.72	1
81+58.30	82+35.26	RT	CHERRY COVE LN	STAGE 4	13.38	126.30	94.64		152.88		46.12	15.69	92.25	1
HOOK DRIVE														
117+38.56	118+17.09	LT	MUNICIPAL WAY	STAGE 1 & 2	13.93		31.27	92.89		5.21		10.41	31.27	
122+47.89	123+16.84	RT	ENTRANCE	STAGE 1 & 2	15.90			76.68		4.30		8.59		
122+52.59	123+15.08	LT	ENTRANCE	STAGE 1 & 2	11.54		63.36	77.19		4.33		8.65	63.36	
126+15.62	127+11.85	RT	MALLARD CREEK DR	STAGE 1 & 2	14.32		19.04	163.27		9.15		18.29	19.04	
126+30.20	126+92.51	LT	CIVIC CENTER WAY	STAGE 1 & 2	13.47		34.75	64.51		3.62		7.23	34.75	
131+93.76	133+03.25	LT	ENTRANCE	STAGE 1 & 2	18.18		43.63	203.01		11.37		22.74	43.63	
143+88.29	144+68.48	LT	AMBER PRAIRIE WAY	STAGE 3 & 4	13.67		25.91	129.63		7.26		14.52	25.91	
153+06.66	153+99.77	LT	OAK TREE TRAIL	STAGE 3 & 4	13.65		51.82	172.98		9.69		19.38	51.82	
<b>SCHEDULE TOTAL:</b>					402.11	2,508.14	2,103.44	980.16	3,058.29	54.93	939.47	426.40	2,103.20	22



MODEL Default  
FILE Name: 4600016-001-Sub-Schedule of Quantities 2.dgn

4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE

SCALE: NONE SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 25
MUN. RTE. 1061		CONTRACT NO. 61F65		
	ILLINOIS	FED. AID PROJECT		



MAINLINE SCHEDULE				40600982	44000100	44000500	44000161	30300112	40600827	40603085	40603340	60603800
LOCATION				HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	AGGREGATE SUBGRADE IMPROVEMENT 12"	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
START STATION	END STATION	LT/RT	STAGE	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(FOOT)
ORCHARD LANE												
10+38.84	15+11.00	RT	PRE-STAGE A	19.91	568.59	473.30		830.89		292.07	80.12	472.88
10+38.84	15+11.00	LT & RT	PRE-STAGE B	11.08	586.27			586.25		246.23	66.91	
10+38.84	15+11.00	LT	PRE-STAGE C	9.17	547.65	467.32		763.32		264.35	71.52	467.34
15+11.00	23+38.87	LT	STAGE 1		1,364.87	777.14		1,584.19		571.95	152.52	775.81
15+11.00	23+38.87	RT	STAGE 2		1,341.45	827.80		1,860.95		695.32	185.42	716.58
23+38.87	38+65.00	LT	STAGE 1		2,523.02	1,437.85		2,955.94		925.95	284.91	1,437.79
23+38.87	38+65.00	RT	STAGE 2		2,524.77	1,532.04		2,993.28		929.68	286.06	1,532.18
38+65.00	83+76.66	LT	STAGE 3	24.12	8,328.55	4,051.65		9,410.65		3,002.39	926.52	3,996.23
38+65.00	83+76.66	RT	STAGE 4	22.43	8,351.37	3,796.21		9,537.29		3,075.95	948.96	3,752.77
HOOK DRIVE												
100+53.81	135+31.00	LT & RT	STAGE 1 & 2	18.00		101.76	15,670.84		877.57		1,755.14	101.77
143+62.71	161+42.82	LT & RT	STAGE 3 & 4	74.61		26.17	6,120.38		342.75		685.49	
<b>SCHEDULE TOTAL:</b>				179.32	26,136.54	13,491.22	21,791.22	30,522.76	1,220.32	10,003.89	5,443.57	13,253.35

SHARED USE PATH SCHEDULE					35101800	40603335	44004250	X0327036
LOCATION (HOOK DRIVE STATIONING)					AGGREGATE BASE COURSE, TYPE B 6"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	PAVED SHOULDER REMOVAL	BIKE PATH REMOVAL
START STATION	END STATION	OFFSET 1	OFFSET 2	LT/RT	(SQ YD)	(TON)	(SQ YD)	(SQ YD)
132+12.19	132+22.64	37.04' LT	96.57' LT	LT	53.27	8.95		50.39
152+80.35	153+25.99	23.17' LT	29.09' LT	LT	29.41	4.95		27.70
153+80.72	161+35.00	44.04' LT	53.24' LT	LT	848.74	142.59	376.68	
161+45.88	161+54.44	49.12' LT	52.78' LT	LT	4.55	0.77	4.64	
<b>SCHEDULE TOTAL:</b>					936	157.26	382	79

SUMMARY SCHEDULE	30300112	35101600	40600982	40600827	40603085	40603340	40603335	44000100	44000161	44000500	60603800
	AGGREGATE SUBGRADE IMPROVEMENT 12"	AGGREGATE BASE COURSE, TYPE B 4"	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)
TEMPORARY PAVEMENT REMOVAL								349.00			
DRIVEWAYS SCHEDULE TOTALS		437.17					193.46			331.25	331.26
SIDE STREET SCHEDULE TOTALS	3058.29		402.11	54.93	939.47	426.40		2508.14	980.16	2103.44	2103.20
MAINLINE SCHEDULE TOTALS	30522.76		179.32	1220.32	10003.89	5443.57		26136.54	21791.22	13491.22	13253.35
SIDEWALK SCHEDULE TOTALS		1659.64									
SHARED USE PATH SCHEDULE TOTALS							157.26				
<b>PROJECT TOTAL:</b>	33,582	2,098	583	1,276	10,944	5,871	352	28,994	22,772	15,927	15,689



MODEL: Default  
FILE NAME: 4600016-041-rpt-Schedule of Quantities-4.dgn

4600016-041

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	27
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

MAILBOX SCHEDULE					X0327301
LOCATION (ORCHARD LANE)					RELOCATE EXISTING MAILBOX
EX STATION	EX OFFSET	PR STATION	PR OFFSET	LT/RT	(EACH)
17+63.35	19.13'	17+63.35	16.58'	LT	1
23+32.81	20.55'	23+32.82	20.58'	LT	1
40+08.66	20.20'	40+08.65	19.08'	RT	1
40+53.29	19.37'	40+53.41	19.08'	LT	1
41+08.68	19.40'	41+08.39	19.09'	LT	1
41+43.43	20.19'	41+43.55	19.09'	LT	1
42+88.17	20.41'	42+87.94	19.08'	LT	1
44+79.61	19.70'	44+79.61	19.08'	RT	1
45+27.23	18.30'	45+27.24	19.08'	RT	1
46+27.20	19.94'	46+27.20	19.08'	RT	1
46+28.93	19.90'	46+28.94	19.08'	RT	1
46+97.34	20.15'	46+97.33	19.08'	RT	1
54+97.56	18.59'	54+97.56	19.08'	RT	1
54+99.81	18.36'	54+99.81	19.08'	RT	1
56+15.53	19.67'	56+15.52	19.08'	RT	1
56+17.12	19.78'	56+17.56	19.08'	RT	1
57+46.65	19.86'	57+46.59	19.08'	RT	1
57+49.33	19.76'	57+49.34	19.09'	RT	1
58+90.89	19.56'	58+92.30	19.08'	RT	1
58+95.03	18.94'	58+95.03	19.08'	RT	1
60+09.43	17.72'	60+09.55	19.08'	RT	1
60+69.11	19.41'	60+69.12	19.08'	RT	1
62+12.74	20.54'	62+13.63	19.08'	LT	1
62+66.85	20.77'	62+67.01	19.08'	LT	1
63+27.69	20.61'	63+26.80	19.08'	LT	1
63+88.33	19.36'	63+88.49	19.08'	LT	1
67+57.53	19.77'	67+57.53	19.08'	RT	1
67+60.77	19.57'	67+60.77	19.08'	RT	1
67+91.84	19.46'	67+91.86	19.08'	LT	1
68+84.81	19.80'	68+84.85	19.08'	RT	1
68+85.37	20.02'	68+85.80	19.08'	LT	1
68+86.82	19.57'	68+86.86	19.08'	RT	1
70+04.37	20.86'	70+04.29	19.08'	LT	1
70+57.63	17.89'	70+57.04	19.08'	RT	1
70+59.99	18.55'	70+59.98	19.08'	RT	1
70+64.98	20.39'	70+64.90	19.08'	LT	1
77+27.45	20.04'	77+27.48	19.08'	LT	1
77+29.82	19.75'	77+30.20	19.08'	LT	1
78+61.71	19.46'	78+61.82	19.08'	LT	1
79+39.77	18.63'	79+39.78	19.08'	LT	1
79+80.88	18.97'	79+81.03	19.08'	LT	1
80+49.60	19.18'	80+49.88	19.08'	LT	1
81+72.02	20.43'	81+72.00	21.01'	LT	1
82+54.08	24.37'	82+54.21	24.16'	LT	1
<b>PROJECT TOTAL:</b>					<b>44</b>

STREET SIGN RELOCATION SCHEDULE					Z0051500
LOCATION (ORCHARD LANE)					REMOVING AND RESETTING STREET SIGNS
EX STATION	EX OFFSET	PR STATION	PR OFFSET	LT/RT	(EACH)
12+56.25	18.58'	12+56.23	22.58'	LT	1
12+67.21	19.90'	12+67.21	22.58'	RT	1
14+91.53	18.13'	14+91.53	22.58'	RT	1
15+82.16	21.22'	15+82.14	18.58'	LT	1
16+66.24	25.40'	16+64.44	25.72'	LT	1
16+69.01	31.67'	16+67.36	32.08'	LT	1
20+07.65	18.50'	20+07.64	22.58'	RT	1
20+29.63	19.20'	20+29.63	18.58'	LT	1
22+26.09	21.42'	22+26.12	22.58'	RT	1
23+29.28	21.73'	23+29.29	22.58'	LT	1
23+75.24	24.29'	23+75.22	22.58'	LT	1
24+92.09	24.59'	24+92.21	28.58'	RT	1
25+13.45	18.56'	25+13.66	20.75'	LT	1
26+90.95	18.26'	26+91.02	19.37'	LT	1
27+04.73	18.24'	27+04.76	18.58'	RT	1
31+63.40	18.46'	31+63.39	18.58'	RT	1
33+77.28	18.06'	33+77.27	18.58'	LT	1
34+94.97	20.34'	34+94.99	19.53'	RT	1
37+03.35	20.19'	37+03.31	21.08'	LT	1
37+99.83	31.21'	38+00.15	31.20'	LT	1
38+41.80	21.14'	38+41.74	21.08'	RT	1
49+42.06	24.20'	49+42.01	21.53'	RT	1
59+86.19	23.15'	59+86.17	21.08'	LT	1
65+46.24	23.54'	65+45.56	21.08'	RT	1
<b>TOTAL:</b>					<b>24</b>

DRAINAGE REMOVALS SCHEDULE						55100300	55100400	55100500	60500050	60500060
LOCATION						STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	REMOVING CATCH BASINS	REMOVING INLETS
START STATION	START OFFSET	LT/RT	END STATION	END OFFSET	LT/RT	(FEET)	(FEET)	(FEET)	(EACH)	(EACH)
ORCHARD LANE										
12+55.97	15.53'	LT	12+55.66	15.57'	RT			31.10	1	1
12+55.66	15.57'	RT	12+51.77	27.25'	RT			12.31		
17+73.74	14.36'	LT	17+78.55	22.44'	LT			9.41		
17+73.74	14.36'	LT	17+77.28	13.71'	RT			28.29	2	
17+77.28	13.71'	RT	17+77.11	21.26'	RT			7.55		
20+27.24	13.84'	LT	20+26.46	14.66'	RT	28.49			1	1
20+26.46	14.66'	RT	20+26.70	42.67'	RT			28.01		
24+01.73	17.77'	LT	24+02.48	18.04'	RT			35.88	1	1
24+02.48	18.04'	RT	23+87.95	32.16'	RT			20.26		
26+77.45	14.13'	LT	26+76.87	13.89'	RT			28.02	1	1
26+76.87	13.89'	RT	26+76.72	21.55'	RT			7.66		
36+59.30	16.42'	LT	36+58.83	16.21'	RT			32.64		1
38+35.66	36.45'	LT	38+43.50	21.11'	LT			17.23	1	
44+31.53	29.45'	LT	44+31.93	17.25'	LT			12.21		
44+31.93	17.25'	LT	44+30.19	16.81'	RT		34.11		1	1
46+85.19	16.91'	LT	47+18.62	16.42'	RT			47.20		
59+74.09	8.78'	RT	59+74.65	15.74'	RT			5.99		1
<b>SCHEDULE TOTAL:</b>						<b>29</b>	<b>35</b>	<b>324</b>	<b>8</b>	<b>7</b>



MODEL: Default  
FILE NAME: 4600016-041-rht-Schedule of Quantities.dgn

4600016-041

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
PLOT SCALE = 1:2	DRAWN - PJS	REVISED -
PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	28
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

DRAINAGE ADJUST / RECONSTRUCT SCHEDULE				60250200	60251500	60251520	60254105	60256700	60257900	60260100	60261300	60261320	60262700
LOCATION (ORCHARD LANE)				CATCH BASINS TO BE ADJUSTED	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 11V FRAME AND GRATE	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	MANHOLES TO BE RECONSTRUCTED	INLETS TO BE ADJUSTED	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	INLETS TO BE ADJUSTED WITH NEW TYPE 11V FRAME AND GRATE	INLETS TO BE RECONSTRUCTED
STATION	OFFSET	LT/RT	RIM	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
11+01.79	22.72'	RT	831.44							1			
11+02.71	27.60'	RT	832.13	1									
16+67.85	37.11'	LT	833.28	1									
16+89.74	18.00'	RT	833.52			1							
17+77.11	21.26'	RT	831.24						1				
17+78.55	22.55'	LT	830.97										1
18+76.58	22.16'	RT	828.06	1									
20+26.70	42.67'	RT	824.66						1				
26+76.56	29.21'	RT	830.51						1				
29+65.56	14.00'	LT	827.79								1		
29+65.72	14.00'	RT	827.79								1		
29+72.91	14.00'	LT	827.81		1								
29+73.05	14.00'	RT	827.82		1								
31+36.06	14.00'	RT	831.21			1							
31+36.12	14.00'	LT	831.21			1							
34+04.73	14.00'	RT	835.41			1							
34+06.91	14.00'	LT	835.42			1							
36+59.30	16.42'	LT	837.39		1				1				
38+11.30	54.10'	LT	839.63			1							
46+85.38	16.87'	LT	839.29				1						
52+18.08	17.18'	RT	822.72			1							
55+14.36	44.06'	LT	818.64	1									
55+30.96	16.50'	RT	819.03							1			
59+72.08	17.46'	LT	810.80	1									
62+14.84	17.21'	RT	809.32							1			
62+44.29	17.14'	LT	809.17	1									
62+67.62	20.62'	RT	809.18							1			
63+79.18	16.53'	RT	808.51	1									
63+80.59	16.23'	LT	808.50					1					
65+94.06	39.59'	LT	810.17				1						
65+97.95	26.91'	RT	811.13							1			
71+56.98	15.87'	RT	811.20							1			
71+58.12	18.94'	LT	811.14	1									
73+06.06	20.37'	RT	808.81	1									
73+55.67	19.61'	RT	807.10							1			
74+49.36	17.03'	LT	803.75	1									
76+22.24	31.76'	RT	797.86							1			
77+16.06	16.23'	RT	796.66							1			
77+17.38	16.47'	LT	796.66	1									
79+07.51	16.48'	LT	800.38									1	
79+22.54	30.47'	RT	800.83			1							
81+92.82	19.56'	LT	803.24							1			
82+06.39	48.39'	RT	803.76	1									
83+41.22	26.37'	RT	804.43									1	
<b>ORCHARD LANE TOTAL:</b>				12	3	7	2	2	3	10	2	2	1

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	29
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

PROPOSED STORM SEWER SCHEDULE									20800150	550A0040	550A0050	550A0340	Z0056648	Z0056668	X0323389
LOCATION (ORCHARD LANE)									TRENCH BACKFILL	STORM SEWERS, CLASS A, TYPE 1 10"	STORM SEWERS, CLASS A, TYPE 1 12"	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	STORM SEWER CONNECTION
START STATION	START OFFSET	LT/RT	END STATION	END OFFSET	LT/RT	START INVERT	END INVERT	SLOPE	(CU YD)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)
12+56.06	18.00'	LT	12+54.85	18.00'	RT	831.38	831.02	1.0%	4.55			37			
12+54.85	18.00'	RT	12+51.77	27.25'	RT	831.02	830.79	2.9%	0.25			8			1
17+78.55	22.44'	LT	17+73.74	14.00'	LT	828.60	827.90	8.8%	0.51		8				1
17+73.74	14.00'	LT	17+73.80	18.00'	RT	827.90	827.15	2.3%	4.14		33				
17+73.80	18.00'	RT	17+76.32	21.26'	RT	827.15	826.85	10.0%	0.36		3				1
20+26.70	18.00'	RT	20+26.70	42.68'	RT	822.80	MATCH EXISTING		2.17			22			1
20+27.32	14.00'	LT	20+26.70	18.00'	RT	822.96	822.80	0.5%	3.12		32				
20+35.70	18.00'	RT	20+26.70	18.00'	RT	822.87	822.80	1.0%	0.56	7					
20+36.32	14.00'	LT	20+27.32	14.00'	LT	823.03	822.96	1.0%	0.53	7					
22+15.00	18.00'	RT	22+18.60	42.91'	RT	823.88	823.65	1.0%	1.47					23	1
23+05.00	46.16'	RT	23+30.00	19.65'	RT	825.00	824.82	0.5%	3.62			35			
23+30.00	19.65'	RT	22+15.00	18.00'	RT	824.82	823.88	0.8%	10.40			113			
24+01.93	18.00'	LT	24+02.33	18.00'	RT	828.17	827.77	1.1%	4.28		36				
24+02.33	18.00'	RT	23+87.95	32.16'	RT	827.77	827.67	0.5%	4.56		19				1
26+76.91	15.17'	RT	26+76.72	21.55'	RT	828.93	MATCH EXISTING		1.93		7				1
26+77.49	14.00'	LT	26+76.91	15.17'	RT	829.26	828.93	1.2%	2.76		28				
36+58.96	16.50'	RT	36+59.30	16.42'	LT	834.50	834.23	2.2%	3.22			12			1
38+41.11	29.79'	LT	38+34.85	37.40'	LT	836.61	836.57	0.4%	1.05		9				
38+43.50	21.11'	LT	38+41.11	29.79'	LT	836.91	836.73	2.2%	0.83	8					1
44+30.19	16.50'	RT	44+31.97	18.20'	LT	841.95	840.86	3.2%	3.43	34					1
44+31.97	18.20'	LT	44+31.53	24.95'	LT	840.66	MATCH EXISTING		1.48			9			1
47+20.55	16.50'	RT	46+85.38	16.87'	LT	835.41	835.20	0.4%	6.30			47			1
59+74.65	16.50'	RT	59+72.08	8.78'	RT	807.49	807.39	1.3%	0.87		8				1
<b>PROJECT TOTAL:</b>									63	56	183	57	226	23	13

PROPOSED DRAINAGE STRUCTURES SCHEDULE						60201110	60207905	60207915	60211400	60236800	60236825
LOCATION (ORCHARD LANE)						CATCH BASINS, TYPE A, 4'- DIAMETER, TYPE 11V FRAME AND GRATE	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	CATCH BASINS, TYPE D, 3'- DIAMETER, TYPE 11 FRAME AND GRATE	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	INLETS, TYPE A, TYPE 11V FRAME AND GRATE
STATION	OFFSET	LT/RT	RIM	INVERTS		(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
12+56.06	18.00'	LT	834.66	831.38 (E)							1
12+54.85	18.00'	RT	834.66	831.02 (E,W)							
17+73.74	14.00'	LT	831.06	827.90 (E,NW)			1				
17+73.80	18.00'	RT	830.97	827.15 (E,NE)			1				
20+26.70	18.00'	RT	825.92	822.80 (N,W,E)				1			
20+27.32	14.00'	LT	826.00	822.96 (N,E)		1					
20+35.70	18.00'	RT	825.89	822.87 (S)					1		
20+36.32	14.00'	LT	825.97	823.03 (S)					1		
22+15.00	18.00'	RT	826.64	823.88 (N,E)			1				
23+05.00	46.16'	RT	828.00	825.00 (NW)					1		
23+30.00	19.65'	RT	828.38	824.82 (S,SE)			1				
24+01.93	18.00'	LT	832.12	829.26 (E)							1
24+02.33	18.00'	RT	831.25	827.77 (W,SE)			1				
26+77.49	14.00'	LT	832.12	829.23 (W)							1
26+76.91	15.17'	RT	832.12	828.93 (W), 828.93 (E)			1				
36+58.96	16.50'	RT	837.39	834.50 (W)							1
38+41.11	29.79'	LT	840.15	836.73 (NE), 836.61 (SW)			1				
44+30.19	16.50'	RT	844.69	841.95 (W)							1
44+31.97	18.20'	LT	844.38	840.86 (NE), 840.66 (SW)	1						
47+20.55	16.50'	RT	838.29	835.41 (S)							1
59+74.65	16.50'	RT	810.77	807.49 (NW)							1
<b>PROJECT TOTAL:</b>						1	1	8	1	3	7



MODEL: Default  
FILE NAME: 4600A016-001-rbt-Schedule of Quantities 7.dgn

4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE

SCALE: NONE SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	30
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL SCHEDULE				20101400	20101600	21101615	25000110	25100630	28000400
LOCATION				NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 1A	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER
START STATION	END STATION	LT/RT	STAGE	(POUND)	(POUND)	(SQ YD)	(ACRE)	(SQ YD)	(FOOT)
ORCHARD LANE									
10+38.84	15+11.00	RT	PRE-STAGE A	4.50	4.50	220.52	0.05	220.52	460.69
10+38.84	15+11.00	LT	PRE-STAGE C	4.50	4.50	234.66	0.05	234.66	402.70
15+11.00	38+65.00	LT	STAGE 1	22.50	22.50	1,193.55	0.25	1,193.55	2,265.26
15+11.00	38+65.00	RT	STAGE 2	23.40	23.40	1,238.65	0.26	1,238.65	2,258.83
38+65.00	83+76.66	LT	STAGE 3	39.60	39.60	2,108.70	0.44	2,108.70	4,939.08
38+65.00	83+76.66	RT	STAGE 4	40.50	40.50	2,169.48	0.45	2,169.48	4,709.69
HOOK DRIVE									
100+53.81	135+31.00	LT & RT	STAGE 1 & 2	3.60	3.60	178.80	0.04	178.80	0.00
143+62.71	161+42.82	LT & RT	STAGE 3 & 4	24.30	24.30	1,298.48	0.27	1,298.48	955.37
<b>PROJECT TOTAL:</b>				<b>163</b>	<b>163</b>	<b>8,644</b>	<b>1.9</b>	<b>8,643</b>	<b>15,993</b>

TREE REMOVAL SCHEDULE			20100110	20100210
LOCATION (HOOK DRIVE ALIGNMENT USED)			TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
STATION	OFFSET	LT/RT	(UNIT)	(UNIT)
154+04.56	30.22	LT	6	
155+56.21	30.46	LT	6	
155+85.42	30.19	LT	9	
156+06.14	28.37	LT	6	
156+36.86	28.13	LT	8	
156+52.54	29.44	LT	8	
156+72.33	28.77	LT	6	
156+91.69	29.51	LT	6	
157+07.57	28.32	LT	6	
157+25.51	30.12	LT	10	
157+37.30	30.33	LT	6	
157+49.98	31.72	LT	6	
157+69.20	27.69	LT		16
157+80.01	35.76	LT	6	
157+88.39	28.17	LT	6	
157+96.30	40.15	LT	8	
158+28.45	37.93	LT	10	
158+49.43	38.62	LT	8	
<b>PROJECT TOTAL:</b>			<b>121</b>	<b>16</b>

PROPOSED TREE SCHEDULE			A2000086	A2004516	A2007116
LOCATION (HOOK DRIVE ALIGNMENT USED)			TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
STATION	OFFSET	LT/RT	(EACH)	(EACH)	(EACH)
154+50.15	35.74'	LT			1
154+70.00	35.13'	LT		1	
154+90.00	35.12'	LT	1		
155+10.00	35.11'	LT			1
155+30.00	35.10'	LT		1	
155+50.00	35.09'	LT	1		
155+70.00	35.08'	LT			1
158+57.56	50.38'	LT		1	
158+76.74	49.66'	LT	1		
159+14.00	47.36'	LT			1
159+35.72	48.78'	LT		1	
159+60.70	49.75'	LT	1		
159+85.68	50.71'	LT			1
160+65.63	52.22'	LT		1	
160+85.59	51.03'	LT	1		
161+10.99	56.19'	LT			1
161+30.23	64.96'	LT		1	
<b>PROJECT TOTAL:</b>			<b>5</b>	<b>6</b>	<b>6</b>

TREE ROOT PRUNING SCHEDULE			20101200
LOCATION			TREE ROOT PRUNING
STATION	OFFSET	LT/RT	(EACH)
ORCHARD LANE			
15+61.13	24.20'	LT	1
66+37.50	24.26'	LT	1
74+17.65	24.20'	RT	1
75+49.77	25.94'	RT	1
82+62.08	26.97'	LT	1
82+75.60	1.31'	LT	1
82+79.01	32.71'	RT	1
83+28.26	1.82'	LT	1
HOOK DRIVE			
158+16.81	44.84'	LT	1
158+40.47	50.78'	LT	1
160+23.07	50.29'	LT	1
<b>PROJECT TOTAL:</b>			<b>11</b>



MODEL: Default  
FILE NAME: 4600016-041-rpt-Schedule of Quantities 8.dgn

4600016-041

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
PLOT SCALE = 1:2	DRAWN - PJS	REVISED -
PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
ORCHARD LANE /HOOK DRIVE**

SCALE: NONE SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	31
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

**SCHEDULE OF EARTHWORK  
(ORCHARD LANE - PRESTAGE)**

STATION	TO	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)			CUT VOLUME (CU YD)			FILL VOLUME (CU YD)		
			ORCHARD LANE	PRESTAGE A	PRESTAGE B	PRESTAGE C	PRESTAGE A	PRESTAGE B	PRESTAGE C	PRESTAGE A	PRESTAGE B
10+50.00	TO	11+00.00	1.37	0.00	0.91	67.47	39.44	57.94	0.17	0.00	0.04
11+00.00	TO	11+60.00	3.04	0.00	1.09	57.66	31.33	59.28	0.19	0.00	0.02
11+60.00	TO	12+10.00	2.60	0.00	0.73	43.24	27.99	50.56	0.50	0.00	0.00
12+10.00	TO	12+50.00	2.75	0.00	1.75	33.80	24.69	35.95	1.03	0.00	0.10
12+50.00	TO	13+00.00	3.80	0.00	1.45	40.67	30.65	46.29	0.97	0.00	0.19
13+00.00	TO	13+35.00	1.26	0.00	0.00	27.56	20.51	32.39	0.14	0.00	0.04
13+35.00	TO	14+00.00	2.71	0.00	0.00	59.33	43.95	63.45	0.01	0.00	0.01
14+00.00	TO	14+60.00	5.32	0.00	1.59	66.92	48.93	62.04	0.00	0.00	0.01
14+60.00	TO	15+00.00	4.10	0.00	2.25	51.36	37.36	41.01	0.00	0.00	0.00
15+00.00	TO	15+28.00	3.03	0.00	0.83	39.10	27.88	28.95	0.00	0.00	1.90
<b>ESTIMATED ADDITIONAL UNDERCUT (SEE AGG SUBGRADE IMPROVE):</b>			38.83	26.52	38.09	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL:</b>			68.80	26.52	48.70	487.11	332.72	477.85	3.01	0.00	2.31

**SCHEDULE OF EARTHWORK  
(ORCHARD LANE - STAGE 1 AND STAGE 2)**

STATION	TO	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)		CUT VOLUME (CU YD)		FILL VOLUME (CU YD)	
			STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
15+28.00	TO	15+50.00	0.70	2.33	33.26	41.59	1.49	0.00
15+50.00	TO	16+00.00	3.08	5.29	74.99	94.50	0.00	0.18
16+00.00	TO	16+50.00	2.74	5.62	75.03	98.46	0.00	0.99
16+50.00	TO	16+82.00	0.79	3.22	63.06	62.14	0.23	0.57
16+82.00	TO	17+40.00	0.25	4.84	99.21	91.53	0.41	0.09
17+40.00	TO	17+90.00	0.21	4.31	41.56	56.59	1.80	0.52
17+90.00	TO	18+29.00	1.68	1.69	25.48	32.75	3.77	0.79
18+29.00	TO	18+46.00	0.73	0.00	10.54	16.57	1.61	0.17
18+46.00	TO	19+00.00	0.40	1.49	35.83	61.75	2.07	0.00
19+00.00	TO	19+50.00	1.95	4.17	38.07	56.42	1.40	0.02
19+50.00	TO	20+00.00	4.06	5.01	39.84	57.94	3.18	0.02
20+00.00	TO	20+50.00	3.75	3.97	41.84	58.73	2.48	0.00
20+50.00	TO	21+00.00	1.58	4.49	46.57	66.65	0.49	0.00
21+00.00	TO	21+70.00	0.43	3.84	74.95	99.93	0.01	0.32
21+70.00	TO	22+20.00	0.29	1.11	59.16	66.81	0.01	0.23
22+20.00	TO	22+82.00	2.02	1.38	70.73	140.25	0.78	0.01
22+82.00	TO	23+47.00	1.75	0.00	60.41	137.35	1.84	0.14
23+47.00	TO	24+00.00	0.92	0.00	48.42	62.32	1.07	0.12
24+00.00	TO	24+50.00	0.92	2.02	56.89	70.91	0.27	0.18
24+50.00	TO	25+00.00	1.70	3.10	55.66	63.53	0.42	0.65
25+00.00	TO	25+50.00	1.66	1.08	44.28	46.98	0.57	2.12
25+50.00	TO	26+00.00	0.00	1.04	40.40	41.81	0.37	1.64
26+00.00	TO	26+50.00	0.38	1.39	44.46	46.33	0.37	0.00
26+50.00	TO	27+00.00	1.16	1.18	52.73	52.71	0.22	0.00
27+00.00	TO	27+50.00	1.94	1.90	59.41	58.26	0.02	0.00
27+50.00	TO	27+68.00	0.42	0.78	22.58	21.68	0.00	0.00
27+68.00	TO	28+00.00	1.53	1.39	41.94	39.09	0.00	0.00
28+00.00	TO	28+50.00	3.50	2.17	64.37	61.99	0.06	0.00

**SCHEDULE OF EARTHWORK (CONTINUED)  
(ORCHARD LANE - STAGE 1 AND STAGE 2)**

STATION	TO	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)		CUT VOLUME (CU YD)		FILL VOLUME (CU YD)	
			STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
28+50.00	TO	29+00.00	1.91	2.19	61.88	62.85	0.06	0.00
29+00.00	TO	29+50.00	1.45	2.02	57.30	59.19	0.01	0.00
29+50.00	TO	30+00.00	1.18	1.69	52.16	53.43	0.01	0.00
30+00.00	TO	30+65.00	0.67	2.13	61.49	62.20	0.01	0.01
30+65.00	TO	31+15.00	0.00	1.03	42.26	43.32	0.01	0.01
31+15.00	TO	31+50.00	0.14	0.12	29.64	30.42	0.00	0.00
31+50.00	TO	32+00.00	0.93	0.19	42.44	43.71	0.09	0.00
32+00.00	TO	32+50.00	1.38	0.19	41.01	44.13	0.15	0.01
32+50.00	TO	33+00.00	1.53	0.00	41.28	43.66	0.31	0.21
33+00.00	TO	33+50.00	2.65	1.24	36.58	37.37	1.75	0.26
33+50.00	TO	34+00.00	3.94	2.44	30.32	32.16	3.36	0.93
34+00.00	TO	34+50.00	3.78	1.98	32.10	33.18	2.82	0.99
34+50.00	TO	35+00.00	4.44	1.19	36.53	36.29	3.54	0.12
35+00.00	TO	35+50.00	4.96	2.55	39.50	42.32	3.63	0.06
35+50.00	TO	36+00.00	3.76	2.14	39.91	54.30	1.77	0.06
36+00.00	TO	36+40.00	1.30	0.81	30.95	39.01	1.66	0.47
36+40.00	TO	37+00.00	0.21	1.99	45.56	41.69	1.63	0.83
37+00.00	TO	37+50.00	1.05	1.48	39.30	37.45	0.00	0.12
37+50.00	TO	38+20.00	1.22	1.36	52.63	114.48	0.00	0.21
38+20.00	TO	38+50.00	0.84	0.56	21.87	45.89	0.55	0.34
38+50.00	TO	39+00.00	1.92	0.98	37.55	34.40	1.12	0.43
<b>ESTIMATED ADDITIONAL UNDERCUT (SEE AGG SUBGRADE IMPROVE):</b>			182.86	222.96	0.00	0.00	0.00	0.00
<b>TOTAL:</b>			262.65	320.02	2,293.92	2,797.00	47.42	13.80





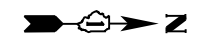
SCHEDULE OF EARTHWORK (HOOK DRIVE SHARED-USE PATH - STAGE 3 AND 4)					
STATION	TO	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	CUT VOLUME (CU YD)	FILL VOLUME (CU YD)
<b>HOOK DRIVE SHARED-USE PATH (STAGE 3 AND 4)</b>					
* 20+05.00	TO	20+25.00	2.57	3.23	1.47
* 20+25.00	TO	20+50.00	4.20	1.06	4.23
* 20+50.00	TO	20+75.00	4.86	3.19	3.82
* 20+75.00	TO	21+00.00	4.94	4.80	2.86
* 21+00.00	TO	21+25.00	4.56	3.64	2.90
* 21+25.00	TO	21+50.00	4.03	1.76	2.95
* 21+50.00	TO	21+75.00	3.96	0.64	2.84
* 21+75.00	TO	22+00.00	4.16	1.01	1.72
* 22+00.00	TO	22+25.00	4.08	1.88	1.00
* 22+25.00	TO	22+50.00	4.11	1.89	1.38
* 22+50.00	TO	22+75.00	4.13	1.61	1.45
* 22+75.00	TO	23+00.00	3.98	1.90	1.29
* 23+00.00	TO	23+25.00	3.78	2.02	1.39
* 23+25.00	TO	23+50.00	4.05	3.21	1.93
23+50.00	TO	23+75.00	4.82	7.52	2.15
23+75.00	TO	24+00.00	5.94	14.56	1.97
24+00.00	TO	24+25.00	7.03	18.49	1.89
24+25.00	TO	24+50.00	6.89	16.38	1.84
24+50.00	TO	24+75.00	6.16	12.62	1.77
24+75.00	TO	25+00.00	5.69	10.47	1.52
25+00.00	TO	25+25.00	5.23	8.68	1.34
25+25.00	TO	25+50.00	6.00	9.50	1.37
25+50.00	TO	25+75.00	7.35	13.90	1.38
25+75.00	TO	26+00.00	7.65	14.91	1.63
26+00.00	TO	26+25.00	7.32	13.27	1.93
26+25.00	TO	26+50.00	6.55	12.81	1.65
26+50.00	TO	26+75.00	5.75	13.33	1.24
26+75.00	TO	27+00.00	5.24	14.14	0.60
27+00.00	TO	27+25.00	5.03	15.12	0.01
27+25.00	TO	27+50.00	4.82	14.69	0.00
27+50.00	TO	27+75.00	4.41	11.38	0.00
<b>TOTAL:</b>			159.29	253.59	53.53

HOOK DRIVE ADA EARTHWORK SCHEDULE					20200100	20201200
LOCATION					EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
START STATION	END STATION	OFFSET 1	OFFSET 2	LT/RT	(CU YD)	(CU YD)
<b>STAGE 1 AND STAGE 2</b>						
* 117+21.59	117+59.00	32.16'	37.18'	LT	2.24	1.90
117+92.03	118+14.54	32.01'	37.16'	LT	1.33	1.13
122+44.34	122+71.14	32.45'	37.65'	LT	1.60	2.92
122+96.49	123+08.18	32.98'	37.83'	LT	1.25	1.13
126+23.14	127+02.09	22.12'	32.51'	LT	3.36	1.59
126+88.24	127+11.31	28.67'	40.19'	RT	1.76	1.24
131+99.07	132+25.87	28.91'	96.87'	LT	10.37	4.30
132+10.13	132+29.82	20.30'	30.27'	RT	1.55	1.10
132+76.51	133+16.31	22.95'	38.16'	LT	2.50	3.09
<b>STAGE 3 AND STAGE 4</b>						
144+01.52	144+06.35	30.08'	43.41'	LT	0.61	0.57
144+48.38	144+70.68	27.11'	50.04'	LT	2.35	1.69
* 152+80.40	153+32.96	23.70'	70.89'	LT	4.49	6.55
* 153+67.09	153+80.72	29.95'	72.29'	LT	2.14	4.31
161+35.00	161+45.89	44.04'	58.01'	LT	0.92	0.54
<b>SCHEDULE TOTAL:</b>					37	33

\* NOTE: EXCAVATED MATERIAL AT THESE LOCATIONS IS CATEGORIZED AS "UNCONTAMINATED SOIL." HOWEVER, THE pH OF THIS SOIL IS OUTSIDE THE RANGE ACCEPTED BY CCDD FACILITIES AND THEREFORE IS WITHIN A ZONE EXCLUDED FROM THIS CONTRACT'S LPC-663 CERTIFICATION. THE AREAS EXCLUDED FROM LPC-663 CERTIFICATION ARE LOCATED ON HOOK DRIVE FROM STA. 112+65 TO STA. 117+50 AND STA. 149+85 TO STA. 159+00 (SHARED-USE PATH STA. 20+00 TO STA. 25+45). EXCAVATED MATERIAL FROM THESE LOCATIONS SHALL BE REUSED AS FILL ON SITE OR DISPOSED OF PER ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
DRAWN - PJS	REVISIONS -	
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	34
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

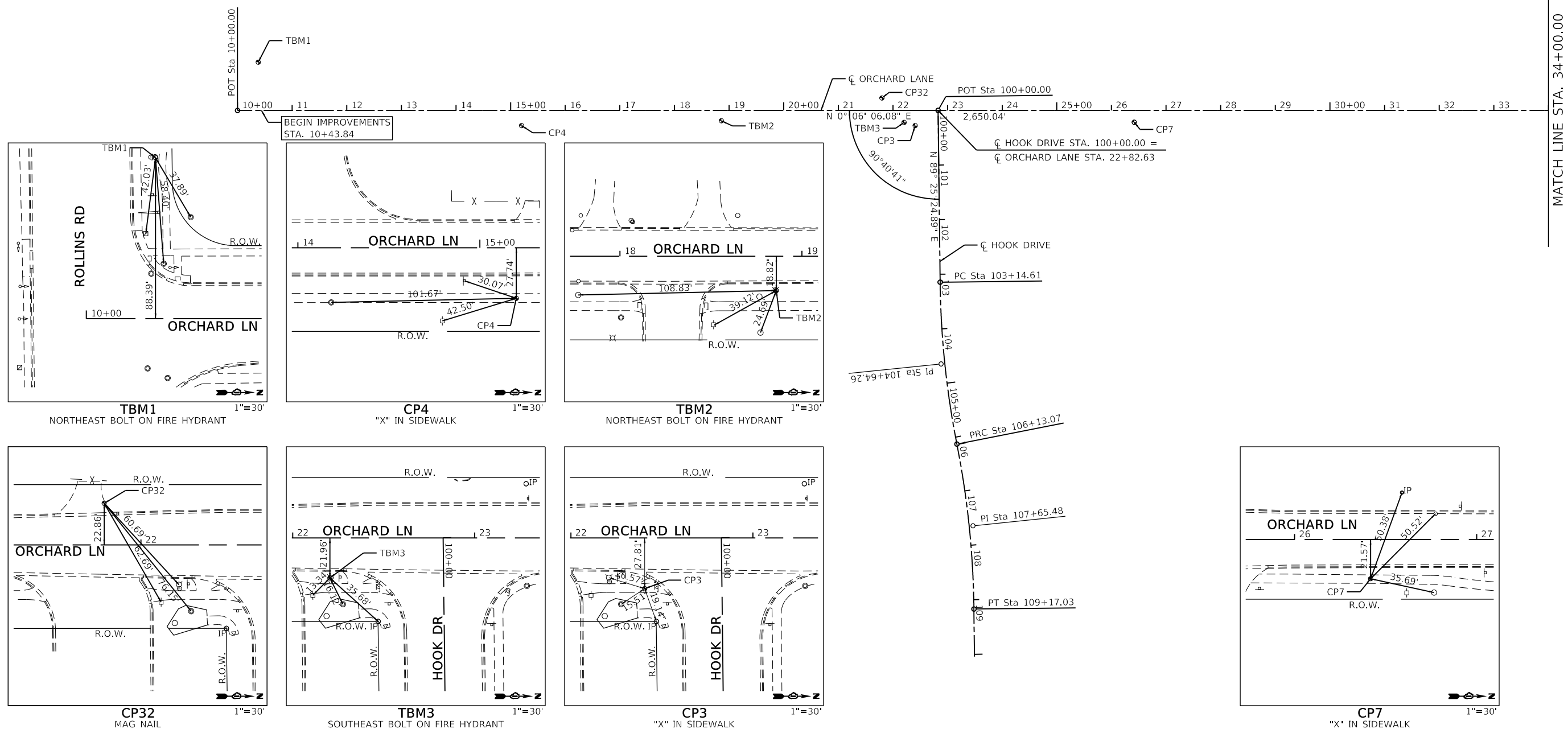


ORCHARD LANE COORDINATE TABLE		
STATION EQUATION	NORTHING	EASTING
☉ HOOK DRIVE STA. 100+00.00 =		
☉ ORCHARD LANE STA. 22+82.63	2082030.86	1053346.98

ORCHARD LANE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POB/POT	10+00.00	2080748.23	1053344.83

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
TBM1	834.38	10+38.01	88.39' LT	2080786.39	1053256.51
CP4	839.79	15+20.02	27.74' RT	2081268.20	1053373.49
TBM2	829.15	18+85.91	18.82' RT	2081634.10	1053365.22
CP32	826.59	21+79.79	22.86' LT	2081928.06	1053324.06
TBM3	828.60	22+20.45	21.96' RT	2081968.64	1053368.95
CP3	827.12	22+40.54	27.81' RT	2081988.72	1053374.84
CP7	833.00	26+41.70	21.57' RT	2082389.89	1053369.31

BENCHMARK:  
LAKE COUNTY 2-38R REFERENCE BENCHMARK  
THE INTERSECTION OF STATE RT. 83 AND MONAVILLE ROAD;  
GO WEST 0.8 MILES TO THE MARK SHOWN ON SOUTH SIDE OF  
MONAVILLE AT WESTERLY END OF CULVERT AT RESIDENCE  
NO. 22953. CHISELED SQUARE ON TOP OF 15 INCH F.E.S.  
ELEVATION PROVIDED: 804.85 NGVD29  
VSR ELEVATION SHOT: 804.71 NAVD88  
VERCON ELEVATION: 804.62 NAVD 88



GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Defaul  
FILE NAME: 4600016-sht-ATB 1.dgn

4600.016-041

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
PLOT SCALE = 1:200	DRAWN - PJS	REVISED -
PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK PLAN  
ORCHARD LANE

SCALE: 1"=100' SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	35
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

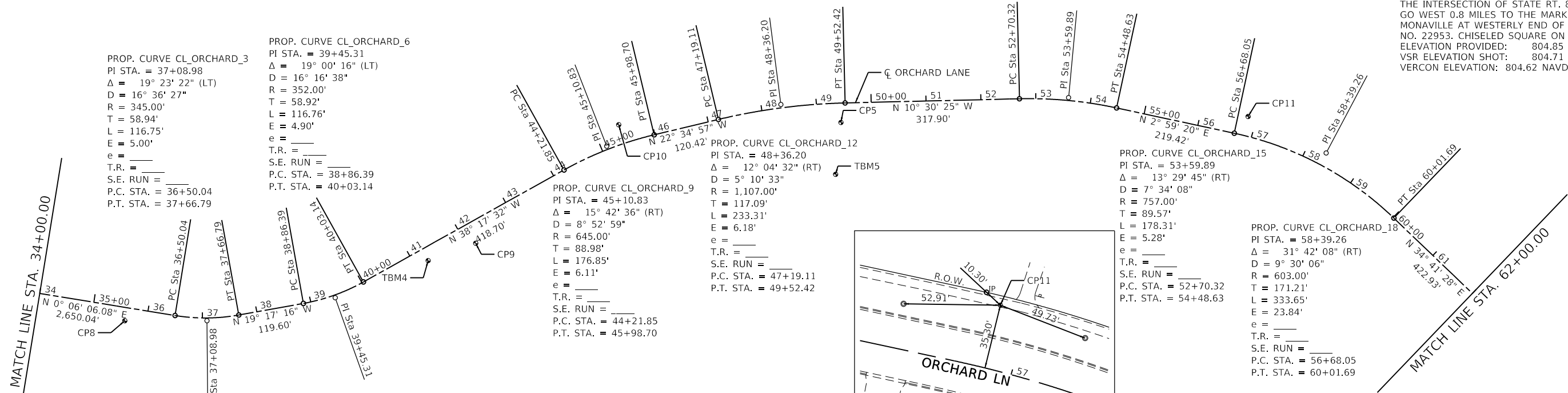


ORCHARD LANE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
PC	36+50.04	2083398.26	1053349.53
PI	37+08.98	2083457.20	1053349.64
PT	37+66.79	2083512.83	1053330.17
PC	38+86.39	2083625.72	1053290.66
PI	39+45.31	2083681.33	1053271.20
PT	40+03.14	2083727.57	1053234.69
PC	44+21.85	2084056.20	1052975.23
PI	45+10.83	2084126.04	1052920.09
PT	45+98.70	2084208.20	1052885.92

ORCHARD LANE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
PC	47+19.11	2084319.38	1052839.68
PI	48+36.20	2084427.49	1052794.71
PT	49+52.42	2084542.62	1052773.36
PC	52+70.32	2084855.19	1052715.39
PI	53+59.89	2084943.25	1052699.06
PT	54+48.63	2085032.70	1052703.73
PC	56+68.05	2085251.82	1052715.17
PI	58+39.26	2085422.80	1052724.10
PT	60+01.69	2085563.58	1052821.55

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP8	828.27	35+61.12	24.08 RT	2083309.30	1053373.45
TBM4	849.70	41+25.08	23.45 RT	2083837.81	1053177.53
CP9	847.97	42+16.31	38.10 RT	2083918.49	1053132.50
CP10	843.77	45+43.17	35.42 LT	2084141.55	1052878.00
TBM5	831.11	49+29.46	129.37 RT	2084546.31	1052904.47
CP5	830.98	49+43.70	35.35 RT	2084540.76	1052809.69
CP11	818.72	56+85.24	35.30 LT	2085271.82	1052681.13

BENCHMARK:  
LAKE COUNTY 2-38R REFERENCE BENCHMARK  
THE INTERSECTION OF STATE RT. 83 AND MONAVILLE ROAD;  
GO WEST 0.8 MILES TO THE MARK SHOWN ON SOUTH SIDE OF  
MONAVILLE AT WESTERLY END OF CULVERT AT RESIDENCE  
NO. 22953. CHISELED SQUARE ON TOP OF 15 INCH F.E.S.  
ELEVATION PROVIDED: 804.85 NGVD29  
VSR ELEVATION SHOT: 804.71 NAVD88  
VERCON ELEVATION: 804.62 NAVD 88



PROP. CURVE CL\_ORCHARD\_3  
PI STA. = 37+08.98  
 $\Delta = 19^\circ 23' 22''$  (LT)  
 $D = 16^\circ 36' 27''$   
 $R = 345.00'$   
 $T = 58.94'$   
 $L = 116.75'$   
 $E = 5.00'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 36+50.04  
P.T. STA. = 37+66.79

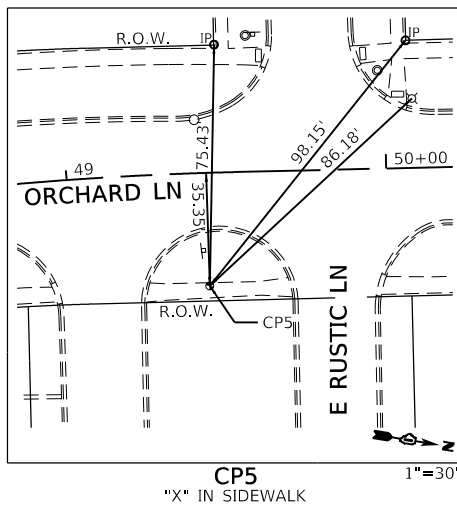
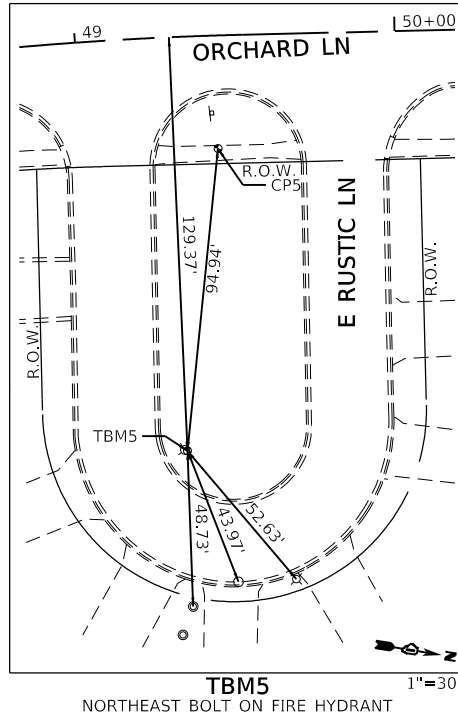
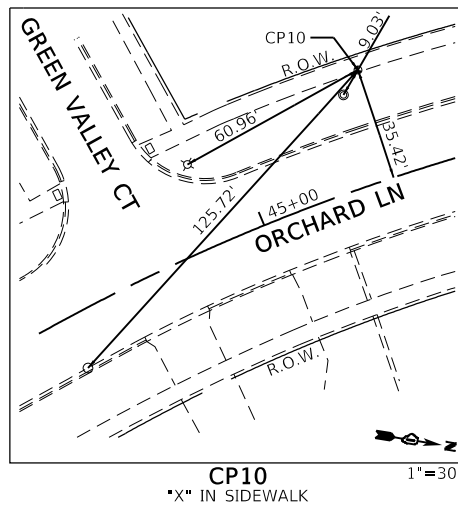
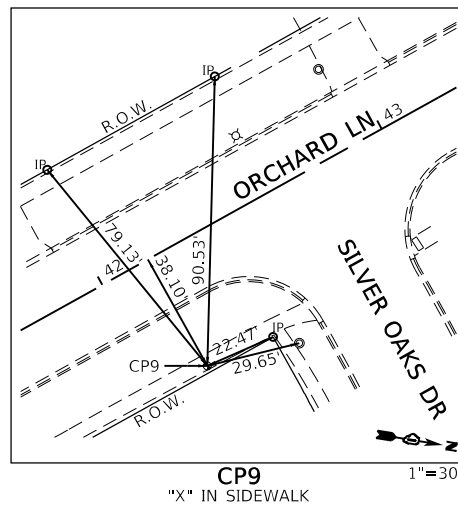
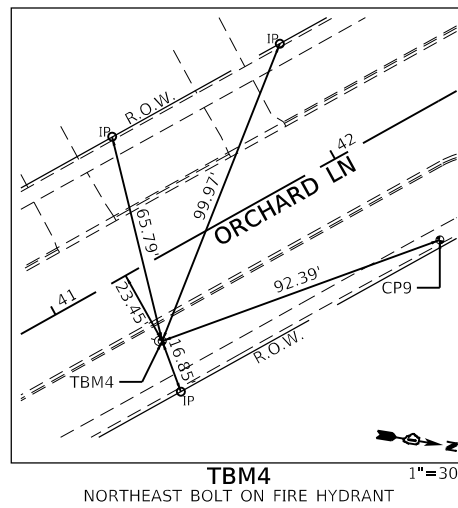
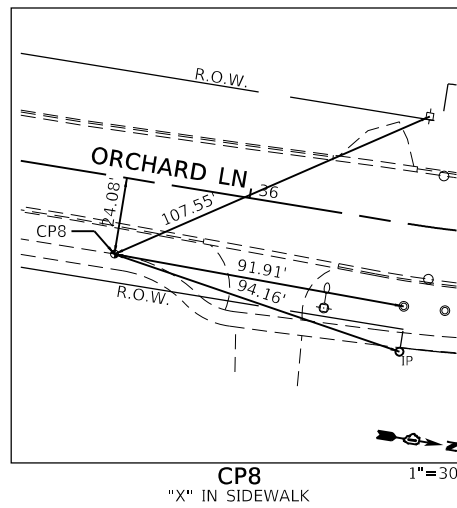
PROP. CURVE CL\_ORCHARD\_6  
PI STA. = 39+45.31  
 $\Delta = 19^\circ 00' 16''$  (LT)  
 $D = 16^\circ 16' 38''$   
 $R = 352.00'$   
 $T = 58.92'$   
 $L = 116.76'$   
 $E = 4.90'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 38+86.39  
P.T. STA. = 40+03.14

PROP. CURVE CL\_ORCHARD\_9  
PI STA. = 45+10.83  
 $\Delta = 15^\circ 42' 36''$  (RT)  
 $D = 8^\circ 52' 59''$   
 $R = 645.00'$   
 $T = 88.98'$   
 $L = 176.85'$   
 $E = 6.11'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 44+21.85  
P.T. STA. = 45+98.70

PROP. CURVE CL\_ORCHARD\_12  
PI STA. = 48+36.20  
 $\Delta = 12^\circ 04' 32''$  (RT)  
 $D = 5^\circ 10' 33''$   
 $R = 1,107.00'$   
 $T = 117.09'$   
 $L = 233.31'$   
 $E = 6.18'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 47+19.11  
P.T. STA. = 49+52.42

PROP. CURVE CL\_ORCHARD\_15  
PI STA. = 53+59.89  
 $\Delta = 13^\circ 29' 45''$  (RT)  
 $D = 7^\circ 34' 08''$   
 $R = 757.00'$   
 $T = 89.57'$   
 $L = 178.31'$   
 $E = 5.28'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 52+70.32  
P.T. STA. = 54+48.63

PROP. CURVE CL\_ORCHARD\_18  
PI STA. = 58+39.26  
 $\Delta = 31^\circ 42' 08''$  (RT)  
 $D = 9^\circ 30' 06''$   
 $R = 603.00'$   
 $T = 171.21'$   
 $L = 333.65'$   
 $E = 23.84'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 56+68.05  
P.T. STA. = 60+01.69



GHA GEWALT HAMILTON ASSOCIATES, INC.  
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 FILE NAME: 4600\016-ort-atb\_2.dgn

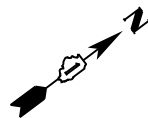
4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
PLOT SCALE = 1:200	DRAWN - PJS	REVISED -
PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK PLAN		
ORCHARD LANE		
SCALE: 1"=100'	SHEET 2 OF 3 SHEETS	STA. 34+00.00 TO STA. 62+00.00

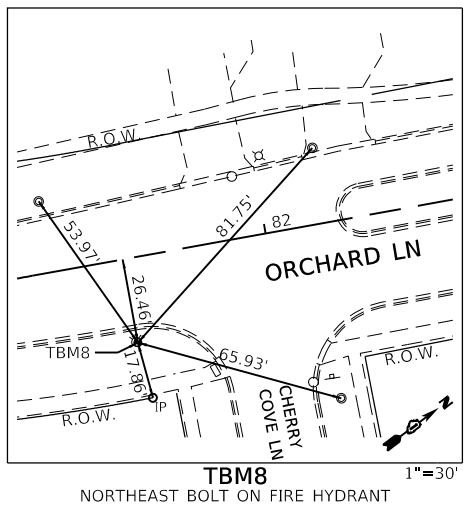
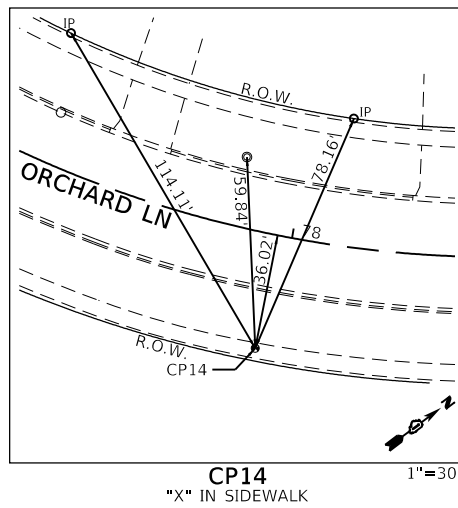
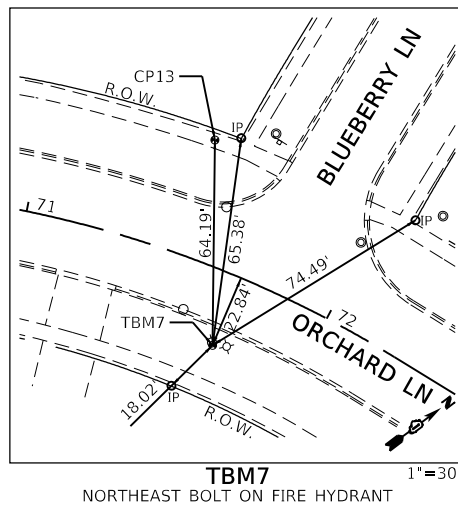
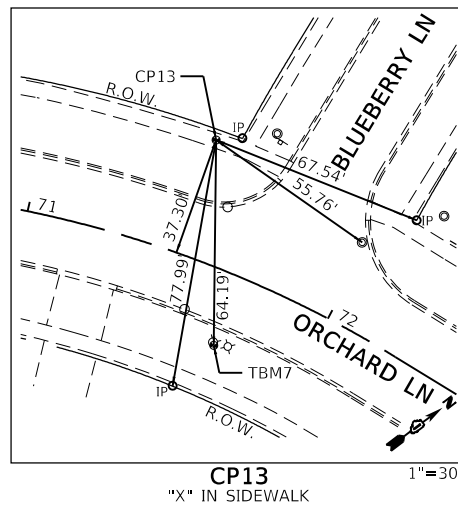
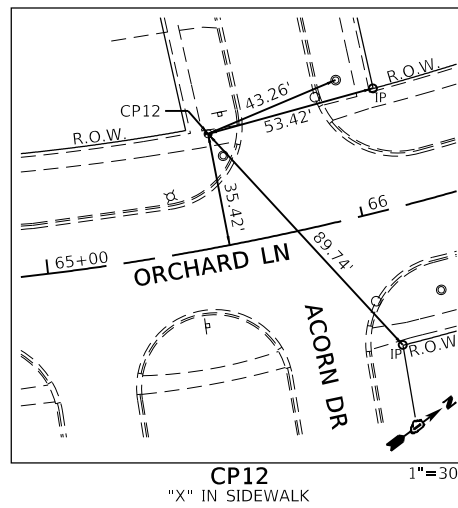
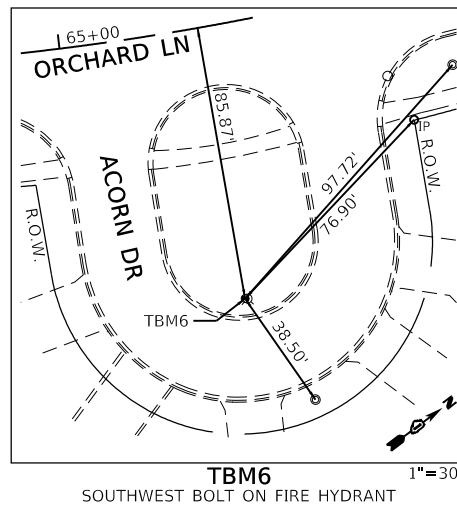
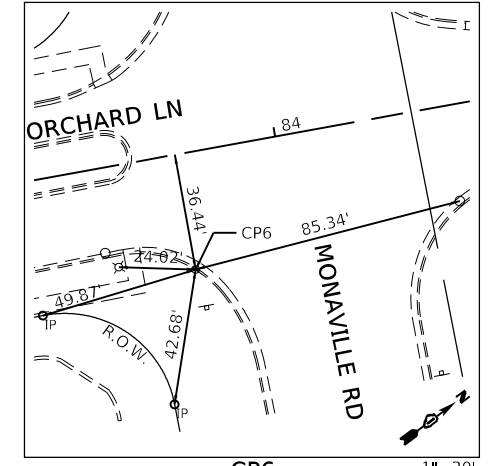
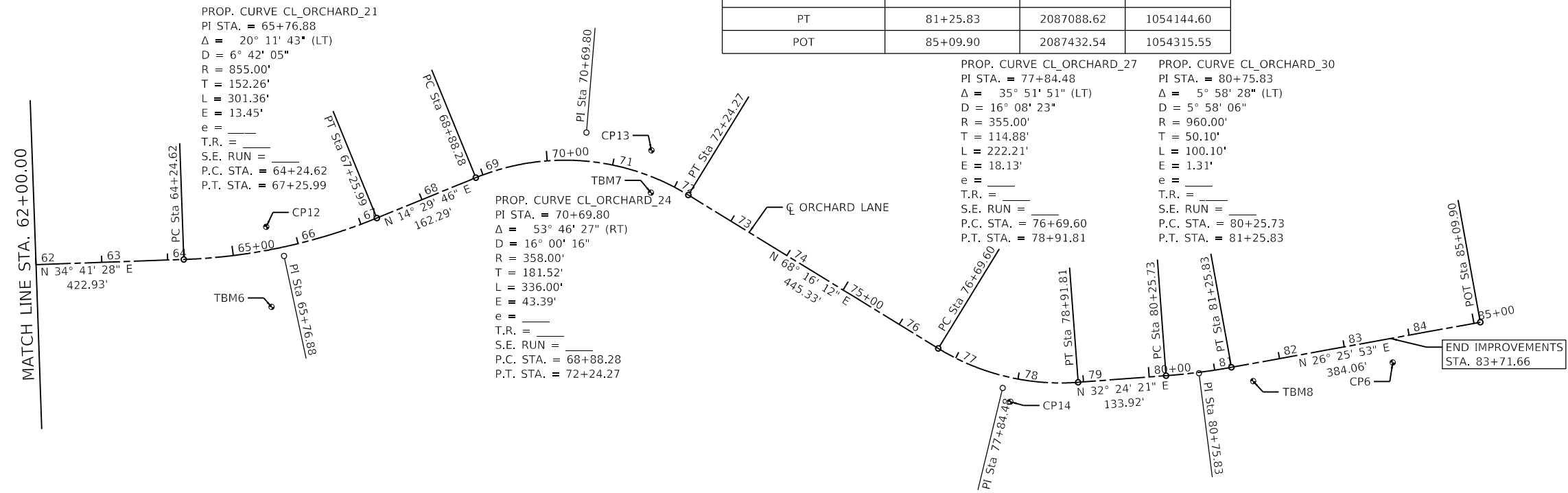
F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 36
MUN. RTE. 1061	CONTRACT NO. 61F65		ILLINOIS FED. AID PROJECT	



ORCHARD LANE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
PC	64+24.62	2085911.32	1053062.26
PI	65+76.88	2086036.52	1053148.92
PT	67+25.99	2086183.93	1053187.03
PC	68+88.28	2086341.05	1053227.65
PI	70+69.80	2086516.80	1053273.09
PT	72+24.27	2086584.00	1053441.71
PC	76+69.60	2086748.88	1053855.39
PI	77+84.48	2086791.41	1053962.11
PT	78+91.81	78+91.81	1054023.68
PC	80+25.73	80+25.73	1054095.45
PI	80+75.83	2087043.76	1054122.30
PT	81+25.83	2087088.62	1054144.60
POT	85+09.90	2087432.54	1054315.55

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
TBM6	812.99	65+43.62	85.87 RT	2085974.95	1053199.68
CP12	811.03	65+57.44	35.42 LT	2086041.36	1053097.19
CP13	811.79	71+48.29	37.30 LT	2086579.59	1053353.84
TBM7	813.13	71+70.37	22.84 RT	2086540.65	1053404.88
CP14	798.07	77+95.44	36.02 RT	2086788.25	1053985.81
TBM8	804.78	81+54.62	26.46 RT	2087102.62	1054181.11
CP6	805.73	83+68.08	36.44 RT	2087289.33	1054285.06

BENCHMARK:  
 LAKE COUNTY 2-38R REFERENCE BENCHMARK  
 THE INTERSECTION OF STATE RT. 83 AND MONAVILLE ROAD;  
 GO WEST 0.8 MILES TO THE MARK SHOWN ON SOUTH SIDE OF  
 MONAVILLE AT WESTERLY END OF CULVERT AT RESIDENCE  
 NO. 22953, CHISELED SQUARE ON TOP OF 15 INCH F.E.S.  
 ELEVATION PROVIDED: 804.85 NGVD29  
 VSR ELEVATION SHOT: 804.71 NAVD88  
 VERCON ELEVATION: 804.62 NAVD 88



GHA GEWALT HAMILTON ASSOCIATES, INC.  
 MODEL: Definit  
 FILE NAME: 4600016-ort-ATB 3.dgn

4600.016-041  
 USER NAME = pswiatek  
 PLOT SCALE = 1:200  
 PLOT DATE = 2/12/2019

DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK PLAN  
 ORCHARD LANE  
 SCALE: 1"=100' SHEET 3 OF 3 SHEETS STA. 62+00.00 TO STA. 84+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	37
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

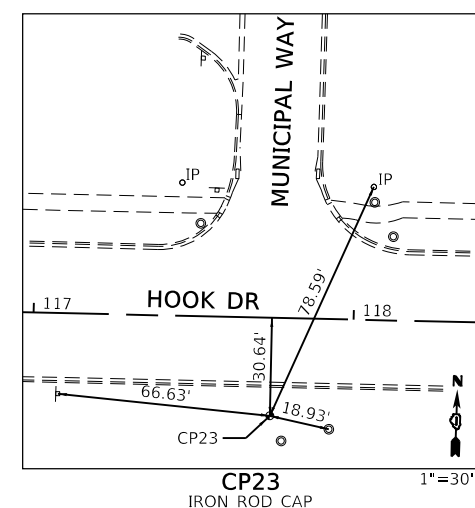
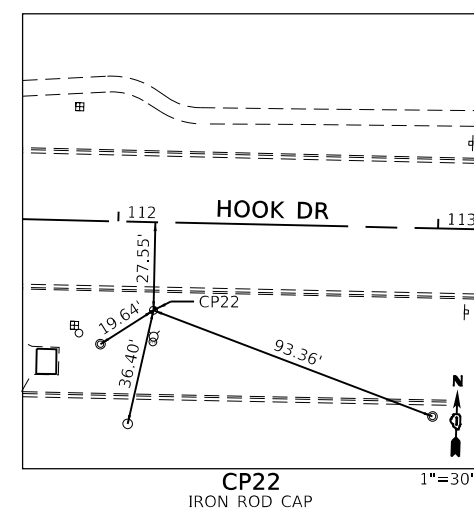
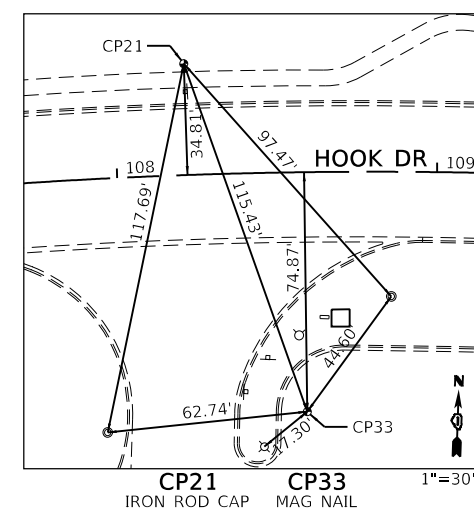
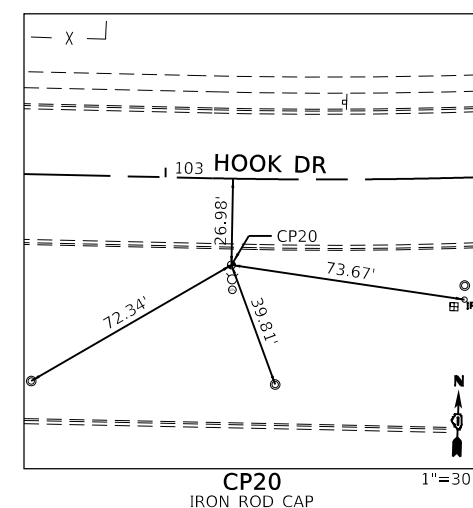
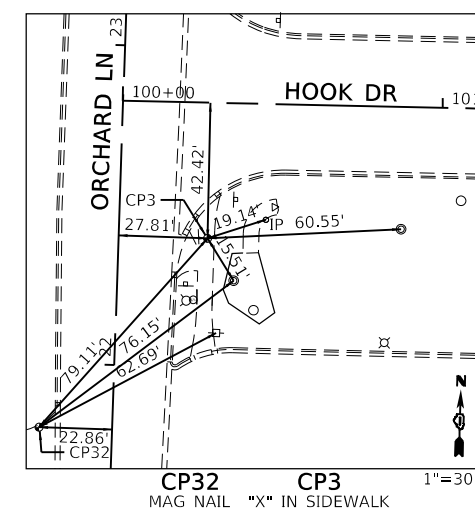
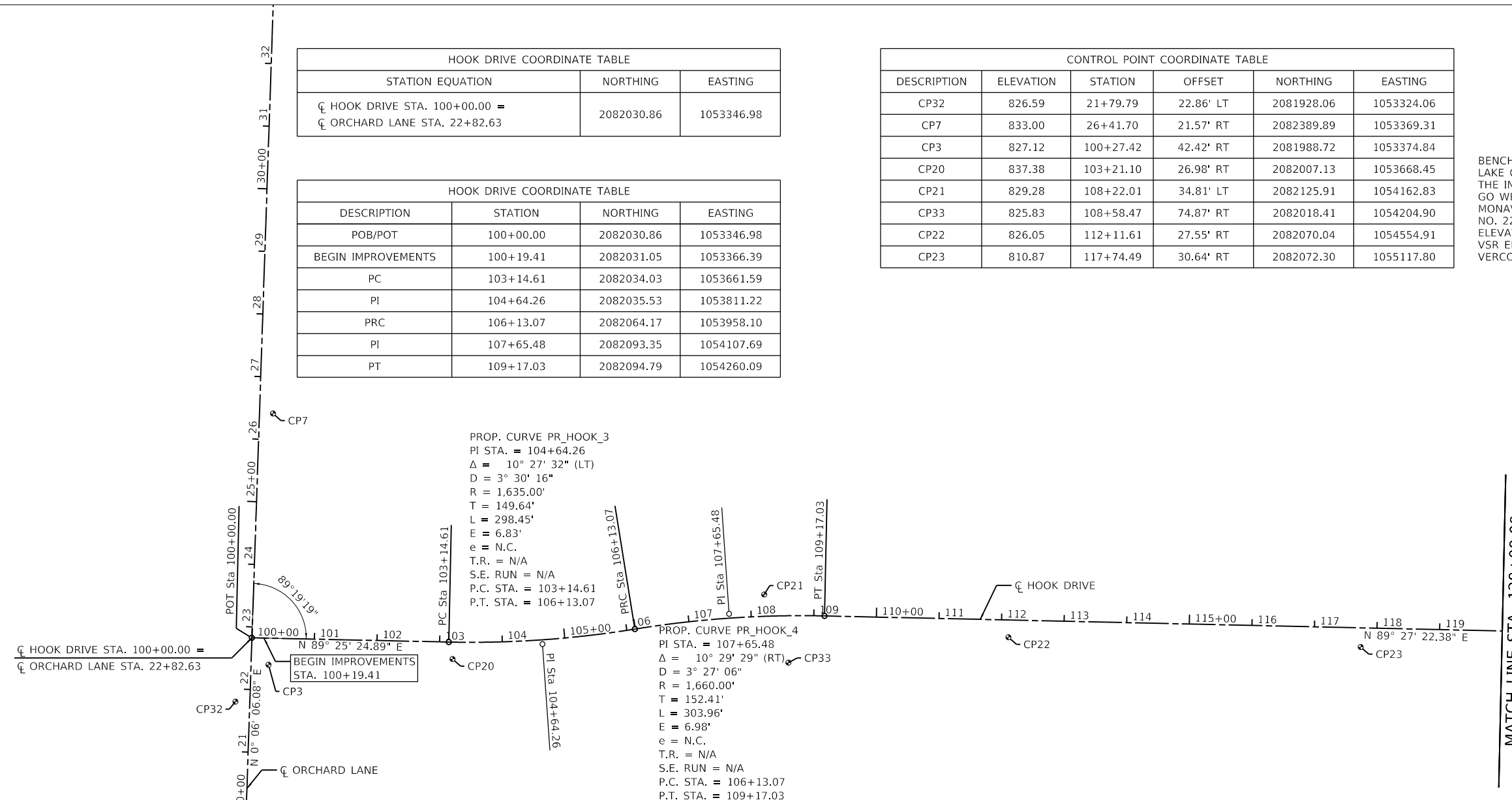


HOOK DRIVE COORDINATE TABLE		
STATION EQUATION	NORTHING	EASTING
☐ HOOK DRIVE STA. 100+00.00 =	2082030.86	1053346.98
☐ ORCHARD LANE STA. 22+82.63		

HOOK DRIVE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POB/POT	100+00.00	2082030.86	1053346.98
BEGIN IMPROVEMENTS	100+19.41	2082031.05	1053366.39
PC	103+14.61	2082034.03	1053661.59
PI	104+64.26	2082035.53	1053811.22
PRC	106+13.07	2082064.17	1053958.10
PI	107+65.48	2082093.35	1054107.69
PT	109+17.03	2082094.79	1054260.09

CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP32	826.59	21+79.79	22.86' LT	2081928.06	1053324.06
CP7	833.00	26+41.70	21.57' RT	2082389.89	1053369.31
CP3	827.12	100+27.42	42.42' RT	2081988.72	1053374.84
CP20	837.38	103+21.10	26.98' RT	2082007.13	1053668.45
CP21	829.28	108+22.01	34.81' LT	2082125.91	1054162.83
CP33	825.83	108+58.47	74.87' RT	2082018.41	1054204.90
CP22	826.05	112+11.61	27.55' RT	2082070.04	1054554.91
CP23	810.87	117+74.49	30.64' RT	2082072.30	1055117.80

BENCHMARK:  
 LAKE COUNTY 2-38R REFERENCE BENCHMARK  
 THE INTERSECTION OF STATE RT. 83 AND MONAVILLE ROAD;  
 GO WEST 0.8 MILES TO THE MARK SHOWN ON SOUTH SIDE OF  
 MONAVILLE AT WESTERLY END OF CULVERT ON SOUTH SIDE OF  
 NO. 22953. CHISELED SQUARE ON TOP OF 15 INCH F.E.S.  
 ELEVATION PROVIDED: 804.85 NGVD29  
 VSR ELEVATION SHOT: 804.71 NAVD88  
 VERCON ELEVATION: 804.62 NAVD 88



GHA GEWALT HAMILTON ASSOCIATES, INC.  
 MODEL: Default  
 FILE NAME: 1600041-ent-ATB 1.dgn

4600.016-041  
 USER NAME = pswiatek  
 PLOT SCALE = 1:200  
 PLOT DATE = 2/12/2019

DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK PLAN  
 HOOK DRIVE

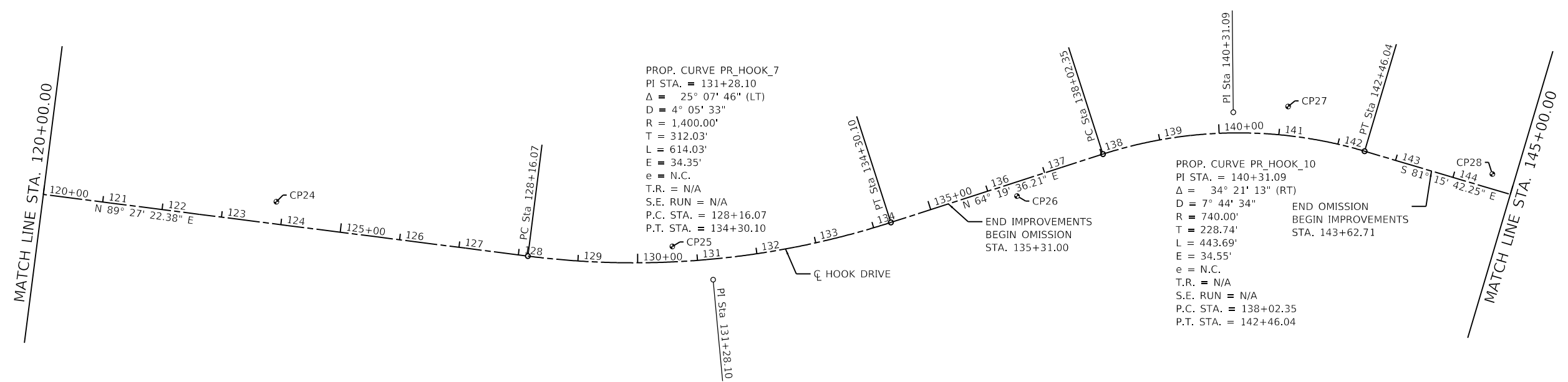
SCALE: 1"=100' SHEET 1 OF 3 SHEETS STA. 100+00.00 TO STA. 120+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	38
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			



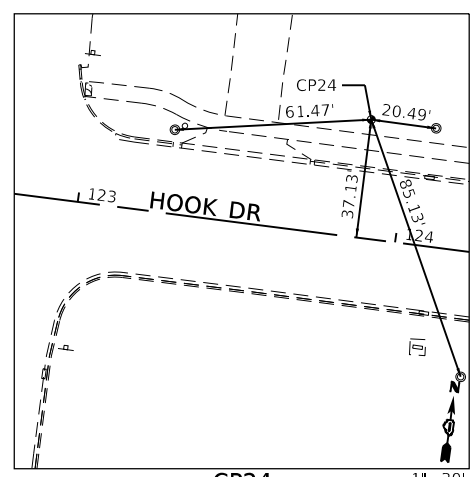
CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP24	797.25	123+87.75	37.13' LT	2082145.88	1055730.39
CP25	791.81	130+59.12	25.79' LT	2082161.52	1056395.97
CP26	798.36	136+44.09	22.74' RT	2082323.18	1056955.01
CP27	805.55	141+10.36	48.53' LT	2082533.13	1057383.40
CP28	798.55	144+61.62	24.12' LT	2082467.47	1057736.88

HOOK DRIVE COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
PC	128+16.07	2082112.82	1056159.04
PI	131+28.10	2082115.78	1056471.06
PT	134+30.10	2082250.96	1056752.29
END IMPROVEMENTS BEGIN OMISSION	135+31.00	2082294.68	1056843.23
END OMISSION BEGIN IMPROVEMENTS	143+62.71	2082458.65	1057635.44
PC	138+02.35	2082412.24	1057087.79
PI	140+31.09	2082511.13	1057294.05
PT	142+46.04	2082476.38	1057520.14

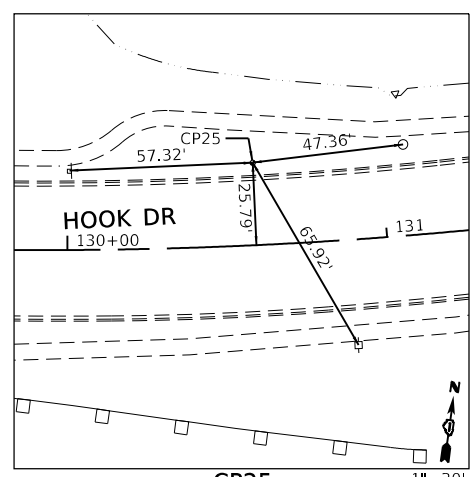


PROP. CURVE PR\_HOOK\_7  
 PI STA. = 131+28.10  
 $\Delta = 25^\circ 07' 46''$  (LT)  
 $D = 4^\circ 05' 33''$   
 $R = 1,400.00'$   
 $T = 312.03'$   
 $L = 614.03'$   
 $E = 34.35'$   
 $e = \text{N.C.}$   
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 128+16.07  
 P.T. STA. = 134+30.10

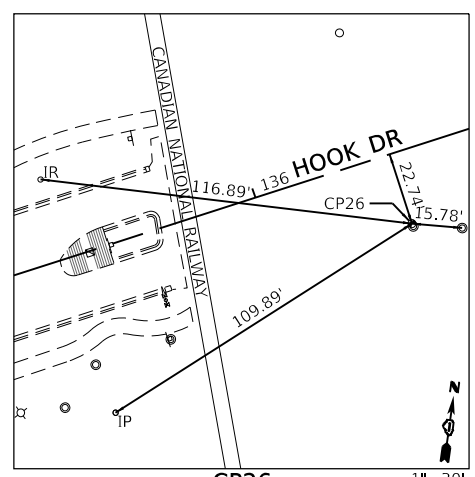
PROP. CURVE PR\_HOOK\_10  
 PI STA. = 140+31.09  
 $\Delta = 34^\circ 21' 13''$  (RT)  
 $D = 7^\circ 44' 34''$   
 $R = 740.00'$   
 $T = 228.74'$   
 $L = 443.69'$   
 $E = 34.55'$   
 $e = \text{N.C.}$   
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA. = 138+02.35  
 P.T. STA. = 142+46.04



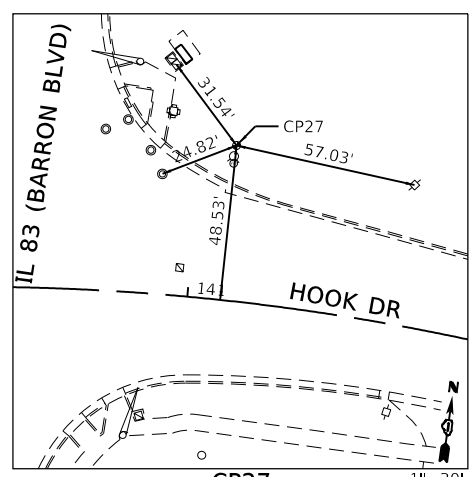
CP24  
IRON ROD CAP



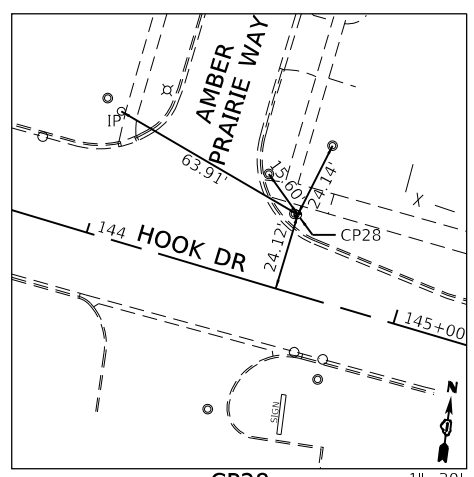
CP25  
IRON ROD CAP



CP26  
"X" ON VALVE VAULT LID



CP27  
IRON ROD CAP



CP28  
"X" ON VALVE VAULT LID

GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Definit  
 FILE NAME: 600041-ent-ATB 2.dgn

4600.016-041

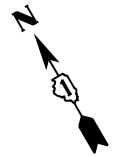
USER NAME = pswiatek	DESIGNED - MJV	REVISED -
PLOT SCALE = 1:200	DRAWN - PJS	REVISED -
PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARK PLAN  
 HOOK DRIVE**

SCALE: 1"=100'    SHEET 2 OF 3 SHEETS    STA. 120+00.00 TO STA. 145+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	39
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			



PROP. CURVE PR\_BKPATH\_1  
 PI STA. = 20+26.59  
 $\Delta = 12^\circ 38' 43''$  (RT)  
 $D = 23^\circ 52' 24''$   
 $R = 240.00'$   
 $T = 26.59'$   
 $L = 52.97'$   
 $E = 1.47'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 20+00.00$   
 $P.T. STA. = 20+52.97$

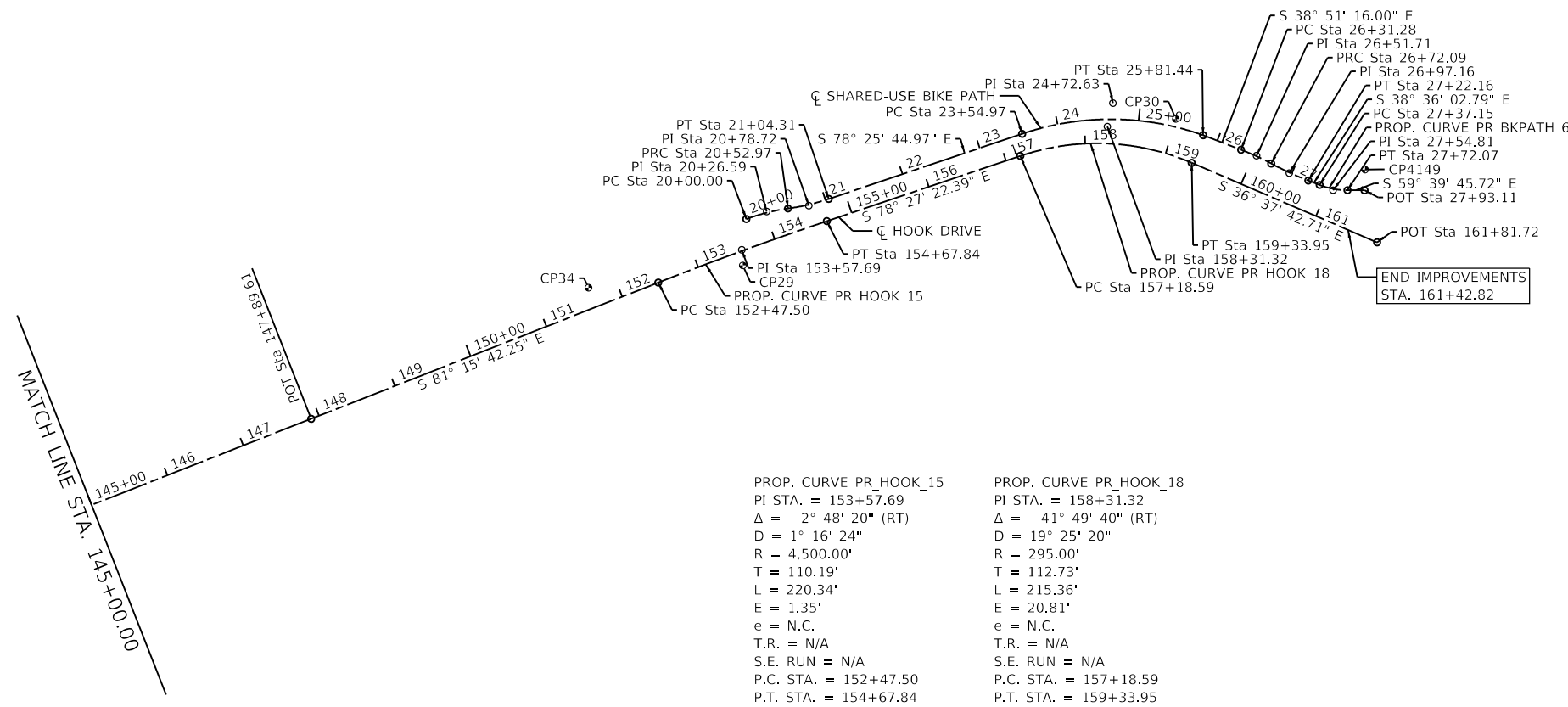
PROP. CURVE PR\_BKPATH\_2  
 PI STA. = 20+78.72  
 $\Delta = 10^\circ 41' 52''$  (LT)  
 $D = 20^\circ 50' 05''$   
 $R = 275.00'$   
 $T = 25.75'$   
 $L = 51.35'$   
 $E = 1.20'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 20+52.97$   
 $P.T. STA. = 21+04.31$

PROP. CURVE PR\_BKPATH\_3  
 PI STA. = 24+72.63  
 $\Delta = 38^\circ 19' 42''$  (RT)  
 $D = 16^\circ 55' 26''$   
 $R = 338.55'$   
 $T = 117.66'$   
 $L = 226.48'$   
 $E = 19.86'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 23+54.97$   
 $P.T. STA. = 25+81.44$

PROP. CURVE PR\_BKPATH\_4  
 PI STA. = 26+51.71  
 $\Delta = 7^\circ 05' 05''$  (RT)  
 $D = 17^\circ 21' 44''$   
 $R = 330.00'$   
 $T = 20.43'$   
 $L = 40.81'$   
 $E = 0.63'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 26+31.28$   
 $P.T. STA. = 26+72.09$

PROP. CURVE PR\_BKPATH\_5  
 PI STA. = 26+97.16  
 $\Delta = 6^\circ 49' 52''$  (LT)  
 $D = 13^\circ 38' 31''$   
 $R = 420.00'$   
 $T = 25.07'$   
 $L = 50.07'$   
 $E = 0.75'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 26+72.09$   
 $P.T. STA. = 27+22.16$

PROP. CURVE PR\_BKPATH\_6  
 PI STA. = 27+54.81  
 $\Delta = 21^\circ 03' 43''$  (LT)  
 $D = 60^\circ 18' 41''$   
 $R = 95.00'$   
 $T = 17.66'$   
 $L = 34.92'$   
 $E = 1.63'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 27+37.15$   
 $P.T. STA. = 27+72.07$



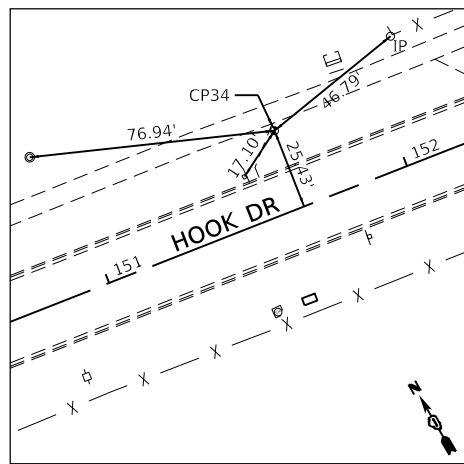
PROP. CURVE PR\_HOOK\_15  
 PI STA. = 153+57.69  
 $\Delta = 2^\circ 48' 20''$  (RT)  
 $D = 1^\circ 16' 24''$   
 $R = 4,500.00'$   
 $T = 110.19'$   
 $L = 220.34'$   
 $E = 1.35'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 152+47.50$   
 $P.T. STA. = 154+67.84$

PROP. CURVE PR\_HOOK\_18  
 PI STA. = 158+31.32  
 $\Delta = 41^\circ 49' 40''$  (RT)  
 $D = 19^\circ 25' 20''$   
 $R = 295.00'$   
 $T = 112.73'$   
 $L = 215.36'$   
 $E = 20.81'$   
 $e = N.C.$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 157+18.59$   
 $P.T. STA. = 159+33.95$

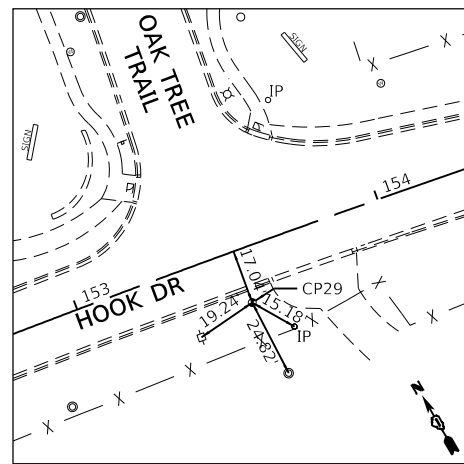
SHARED-USE BIKE PATH COORDINATE TABLE			
DESCRIPTION	STATION	N	E
PC	20+00.00	2082337.32	1058642.66
PI	20+26.59	2082332.88	1058668.88
PRC	20+52.97	2082322.80	1058693.49
PI	20+78.72	2082313.04	1058717.31
PT	21+04.31	2082307.88	1058742.54
PC	23+54.97	2082257.60	1058988.10
PI	24+72.63	2082234.28	1059103.42
PT	25+81.44	2082144.46	1059179.42
PC	26+31.28	2082105.65	1059210.69
PI	26+51.71	2082089.74	1059223.51
PRC	26+72.09	2082072.37	1059234.26
PI	26+97.16	2082051.06	1059247.46
PT	27+22.16	2082031.47	1059263.10
PC	27+37.15	2082019.76	1059272.45
PI	27+54.81	2082005.96	1059283.47
PT	27+72.07	2081997.04	1059298.71
POT	27+93.11	2081986.41	1059316.86

HOOK DRIVE COORDINATE TABLE			
DESCRIPTION	STATION	N	E
POT	147+89.61	2082393.80	1058057.39
PC	152+47.50	2082324.24	1058509.96
PI	153+57.69	2082307.50	1058618.88
PT	154+67.84	2082285.44	1058726.85
PC	157+18.59	2082235.26	1058972.52
PI	158+31.32	2082212.70	1059082.97
PT	159+33.95	2082122.24	1059150.23
END IMPROVEMENTS	161+39.86	2081956.99	1059273.08
EOP/POT	161+81.72	2081923.40	1059298.06

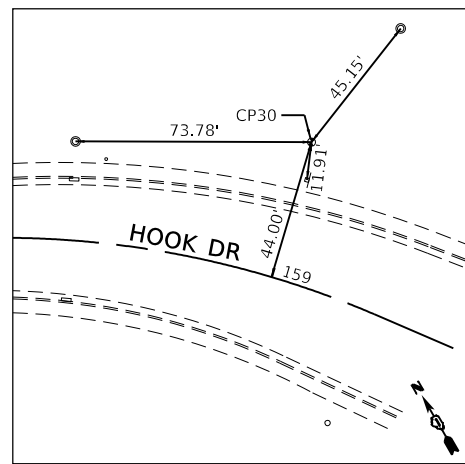
CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP34	794.14	151+65.46	25.43' LT	2082361.84	1058432.74
CP29	799.17	153+52.18	17.04' RT	2082290.36	1058610.26
CP30	786.26	158+99.80	44.00' LT	2082178.56	1059160.36
CP4149	786.18	161+32.81	76.30' LT	2082008.17	1059330.11



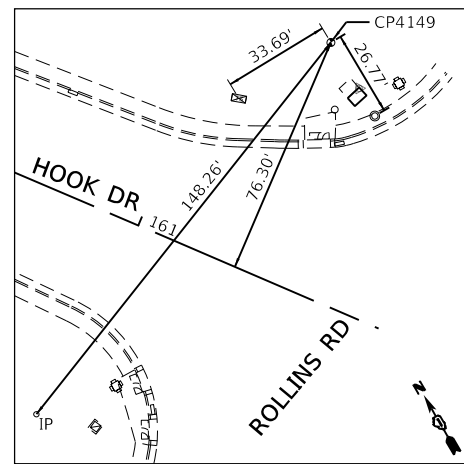
CP34  
FOUND MAG NAIL



CP29  
IRON ROD CAP



CP30  
IRON ROD CAP

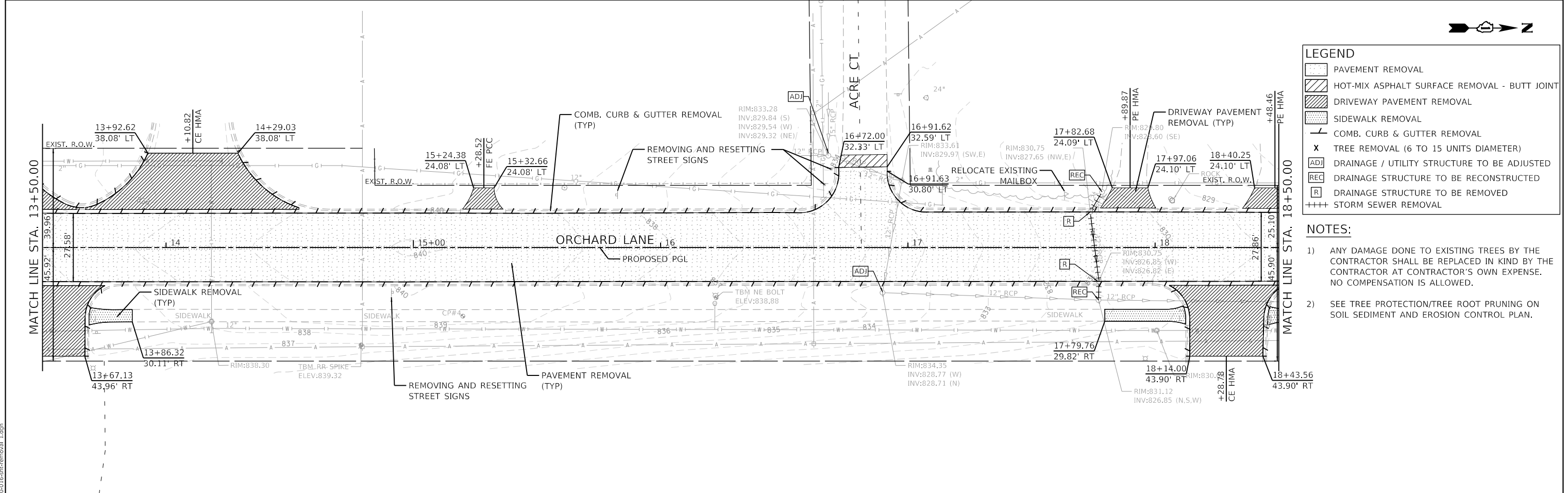
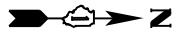
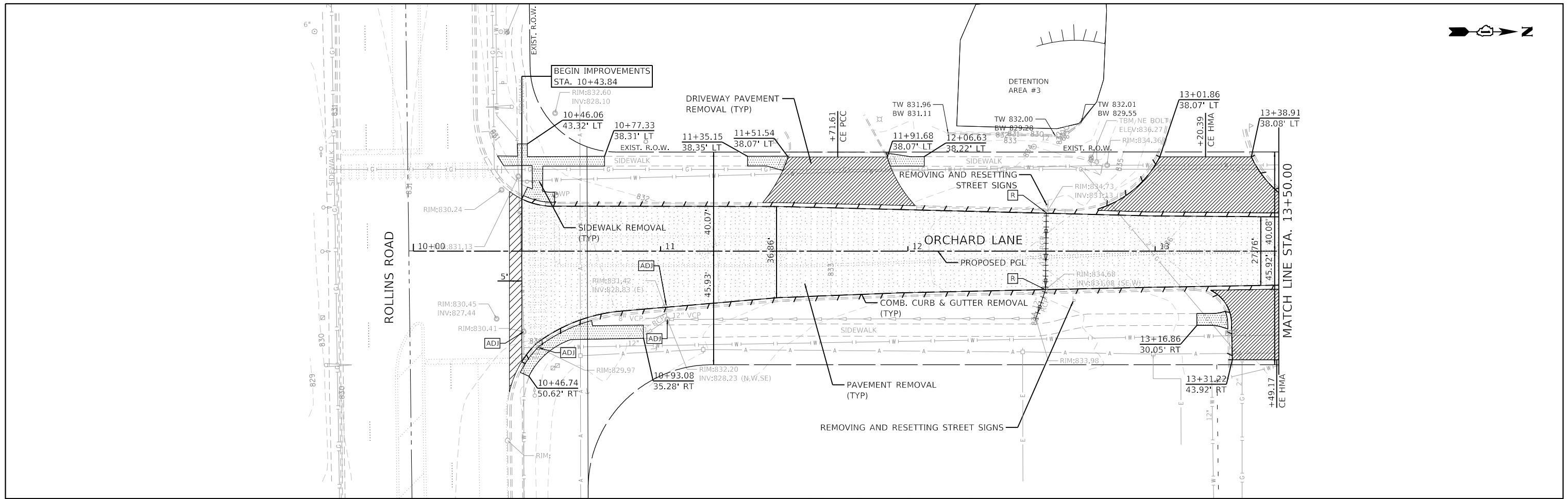
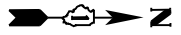


CP4149  
IRON ROD CAP

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PLOT SCALE = 1:200	DRAWN - PJS	REVISED -
PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	40
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		





**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
FILE: 4600-016-shr-removal 1.dgn

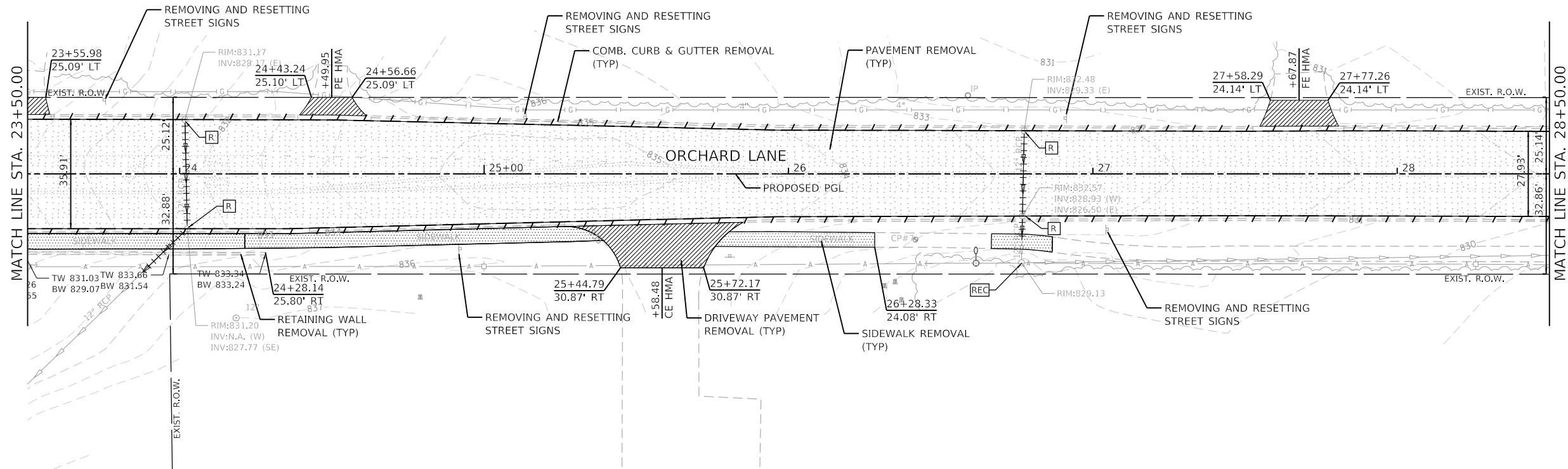
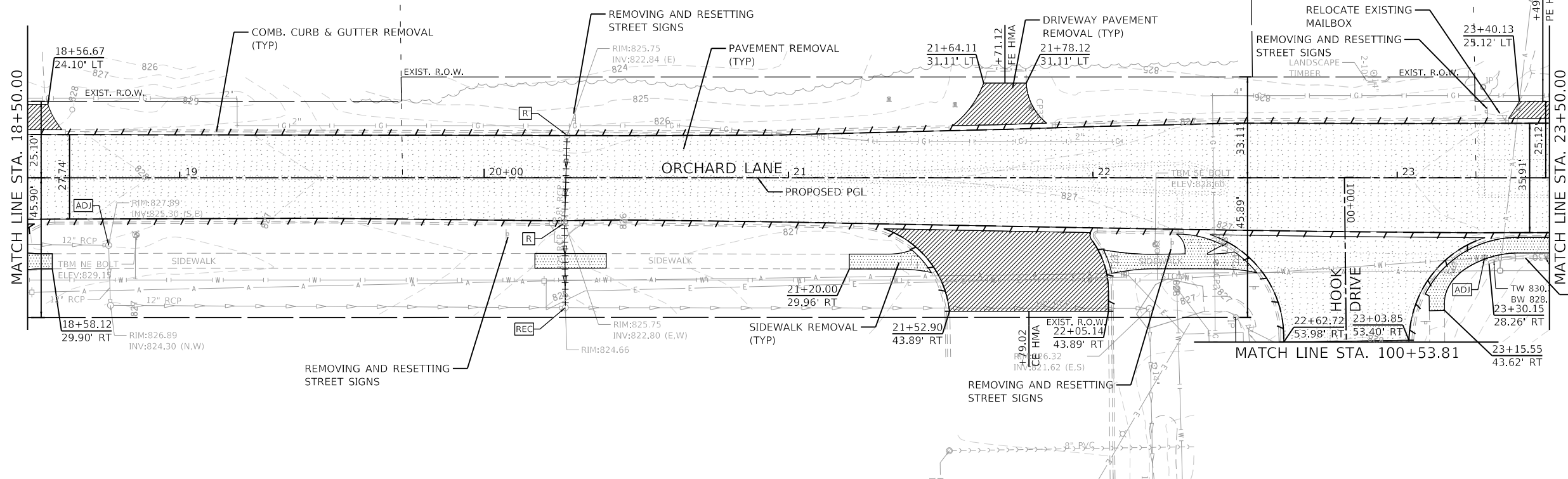
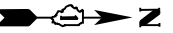
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4600-016-041		CHECKED - KLB	REVISED -
Default	PLOT SCALE = 1:40	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
ORCHARD LANE**

SCALE: 1"=20'    SHEET 1 OF 8 SHEETS    STA. 10+00.00 TO STA. 18+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	41
MUN. RTE.		CONTRACT NO. 61F65		
1061		ILLINOIS FED. AID PROJECT		



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

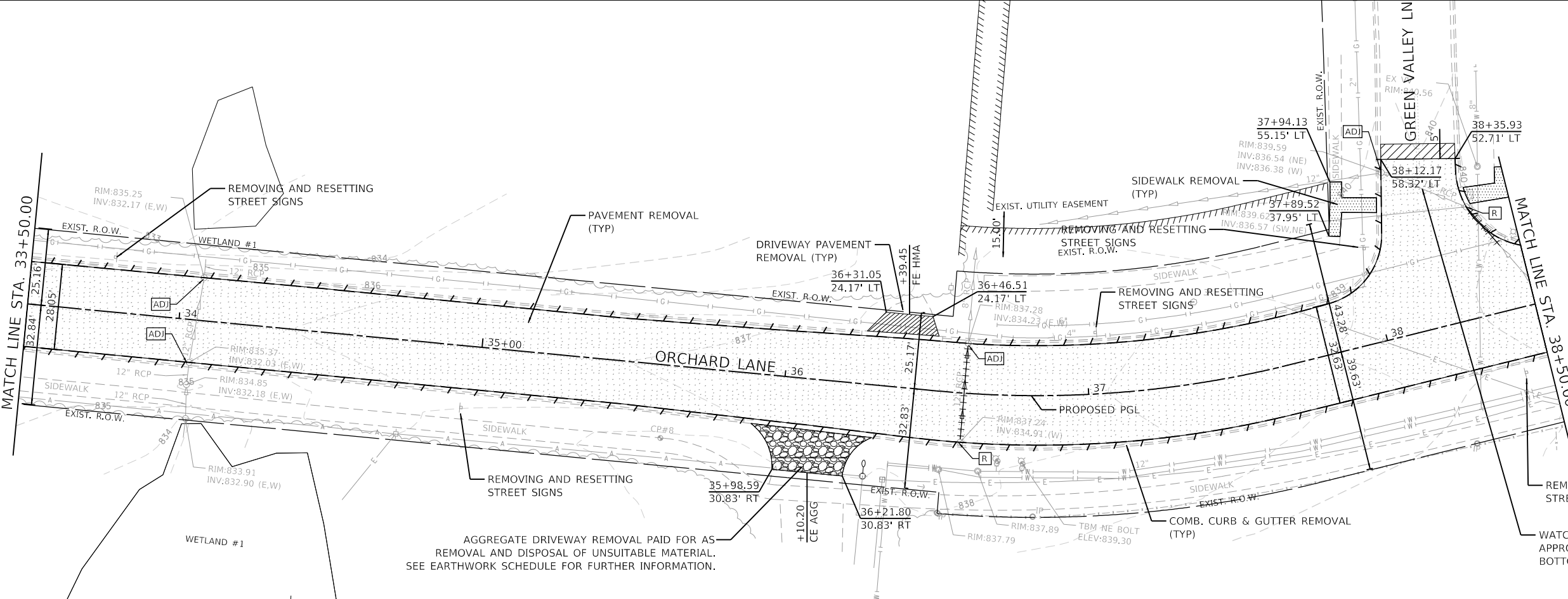
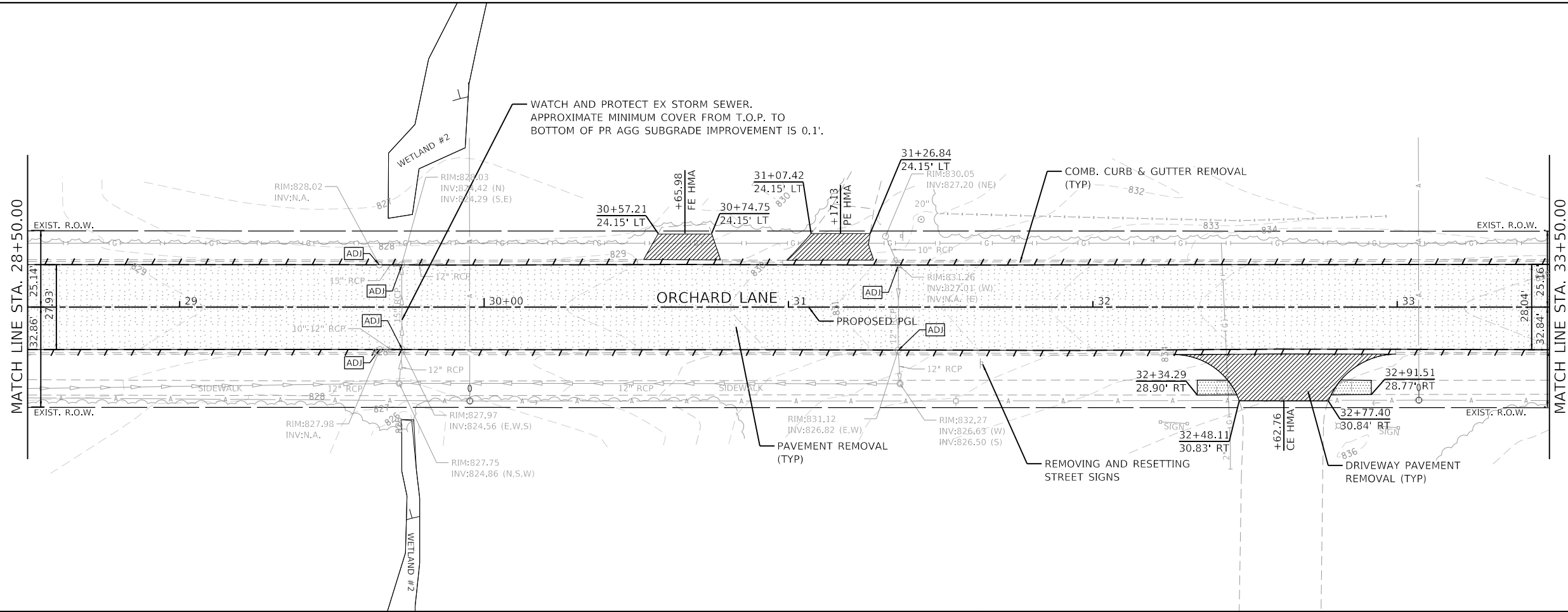
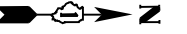
**GHA GEWALT HAMILTON ASSOCIATES, INC.**

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Default	PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>ORCHARD LANE</b>		1048	15-00078-00-PV	LAKE	228	42
SCALE: 1"=20'	SHEET 2 OF 8 SHEETS	STA. 18+50.00 TO STA. 28+50.00		CONTRACT NO. 61F65		

1061	ILLINOIS	FED. AID PROJECT
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**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

- NOTES:**
- ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

MODEL: Default  
 FILE: 4600-016-shr-removal 3.dgn

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4600-016-shr-removal 3.dgn	DESIGNED - MIV
4600,016-041	DRAWN - PJS
Default	CHECKED - KLB
	DATE - 2/13/2019
	REVISOR -
	REVISION -
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4600-016-shr-removal 3.dgn	DESIGNED - MIV
4600,016-041	DRAWN - PJS
Default	CHECKED - KLB
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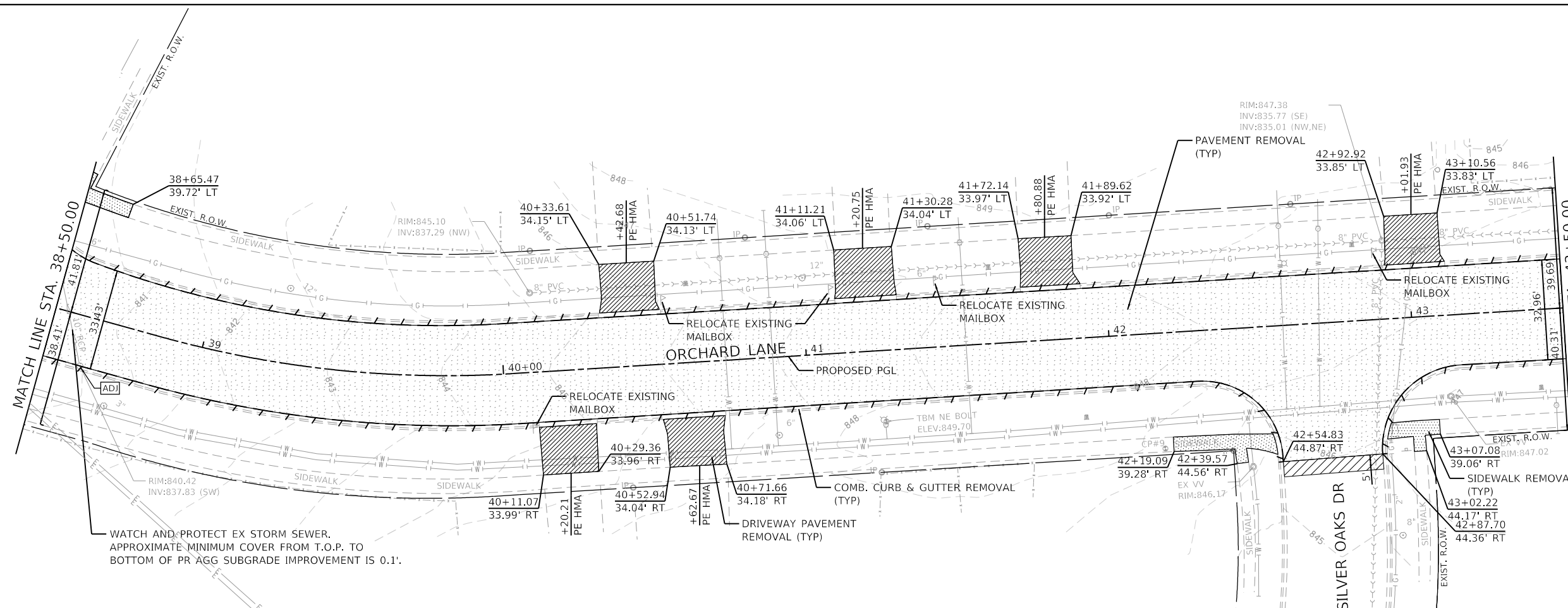
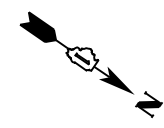
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'	SHEET 3 OF 8 SHEETS	STA. 28+50.00 TO STA. 38+50.00
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**REMOVAL PLAN  
 ORCHARD LANE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	43
MUN. RTE.				
1061	ILLINOIS	FED. AID PROJECT		

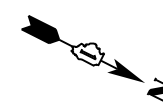
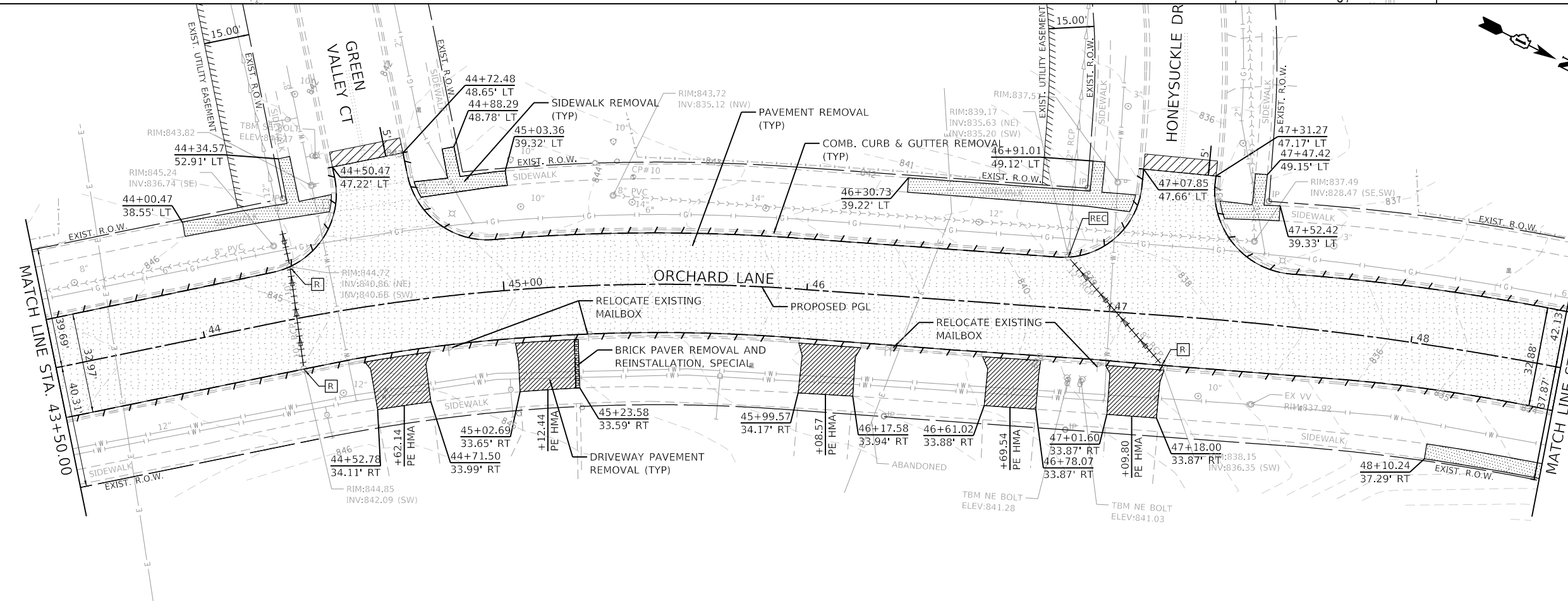
CONTRACT NO. 61F65



WATCH AND PROTECT EX STORM SEWER.  
APPROXIMATE MINIMUM COVER FROM T.O.P. TO  
BOTTOM OF PR AGG SUBGRADE IMPROVEMENT IS 0.1'.

LEGEND	
[Symbol]	PAVEMENT REMOVAL
[Symbol]	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[Symbol]	DRIVEWAY PAVEMENT REMOVAL
[Symbol]	SIDEWALK REMOVAL
[Symbol]	COMB. CURB & GUTTER REMOVAL
[Symbol]	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
[Symbol]	DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
[Symbol]	DRAINAGE STRUCTURE TO BE RECONSTRUCTED
[Symbol]	DRAINAGE STRUCTURE TO BE REMOVED
[Symbol]	STORM SEWER REMOVAL

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



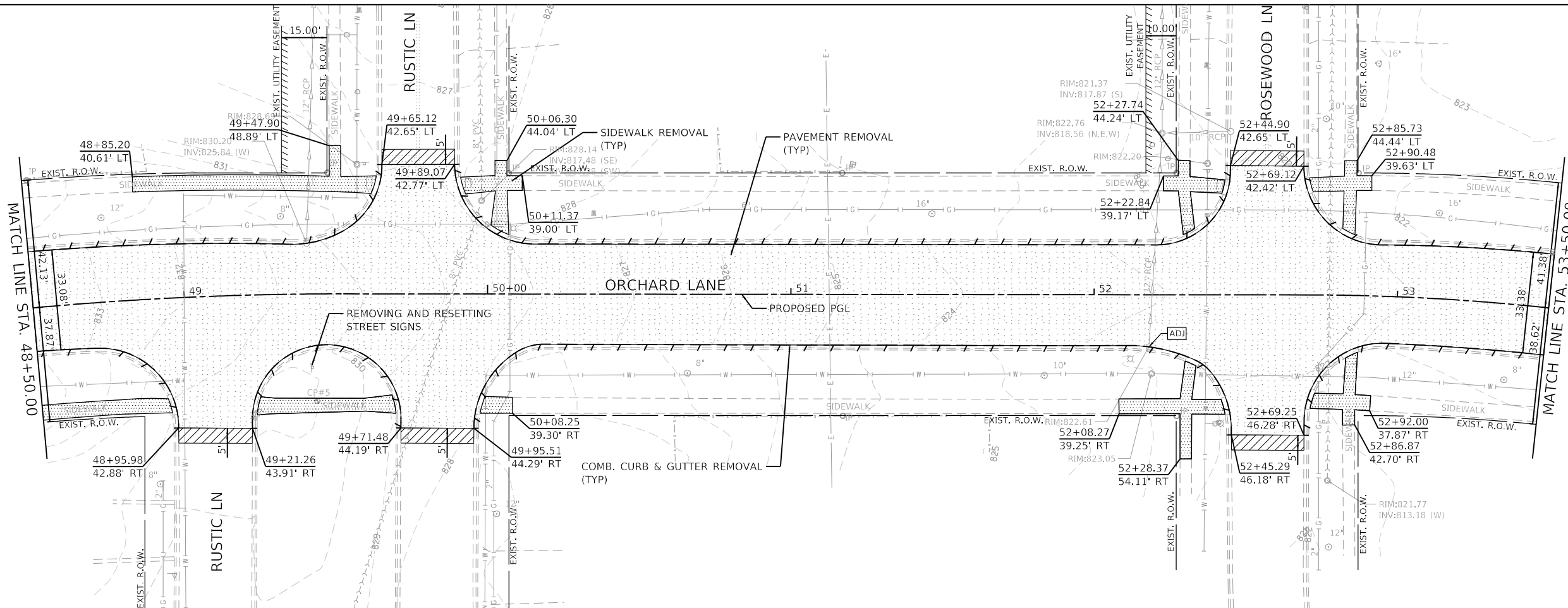
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

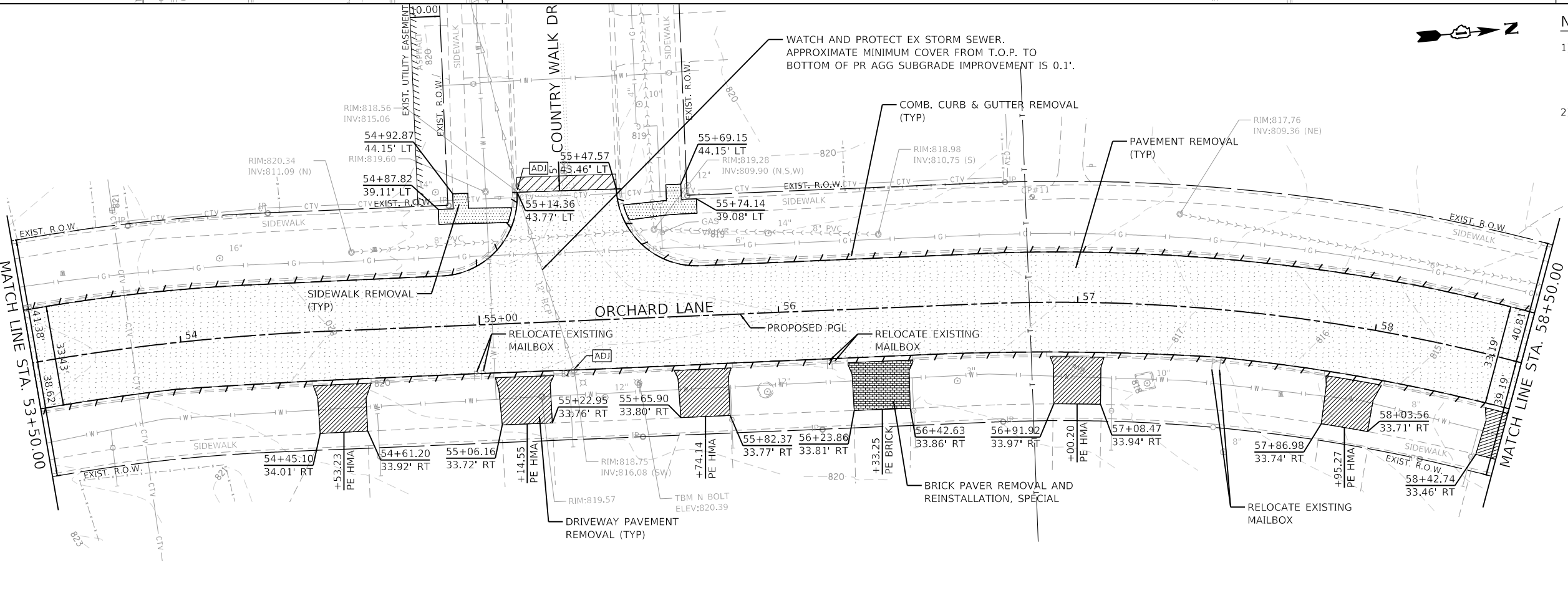
<b>REMOVAL PLAN</b>			
<b>ORCHARD LANE</b>			
SCALE: 1"=20'	SHEET 4 OF 8 SHEETS	STA. 38+50.00 TO STA. 48+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	44
MUN. RTE.				CONTRACT NO. 61F65
1061		ILLINOIS		FED. AID PROJECT



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL



- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

FILE NAME = 4600-016-sht-removal 5.dgn  
 USER NAME = pswiatek  
 DESIGNED - MJV  
 DRAWN - PJS  
 CHECKED - KLB  
 DATE - 2/13/2019

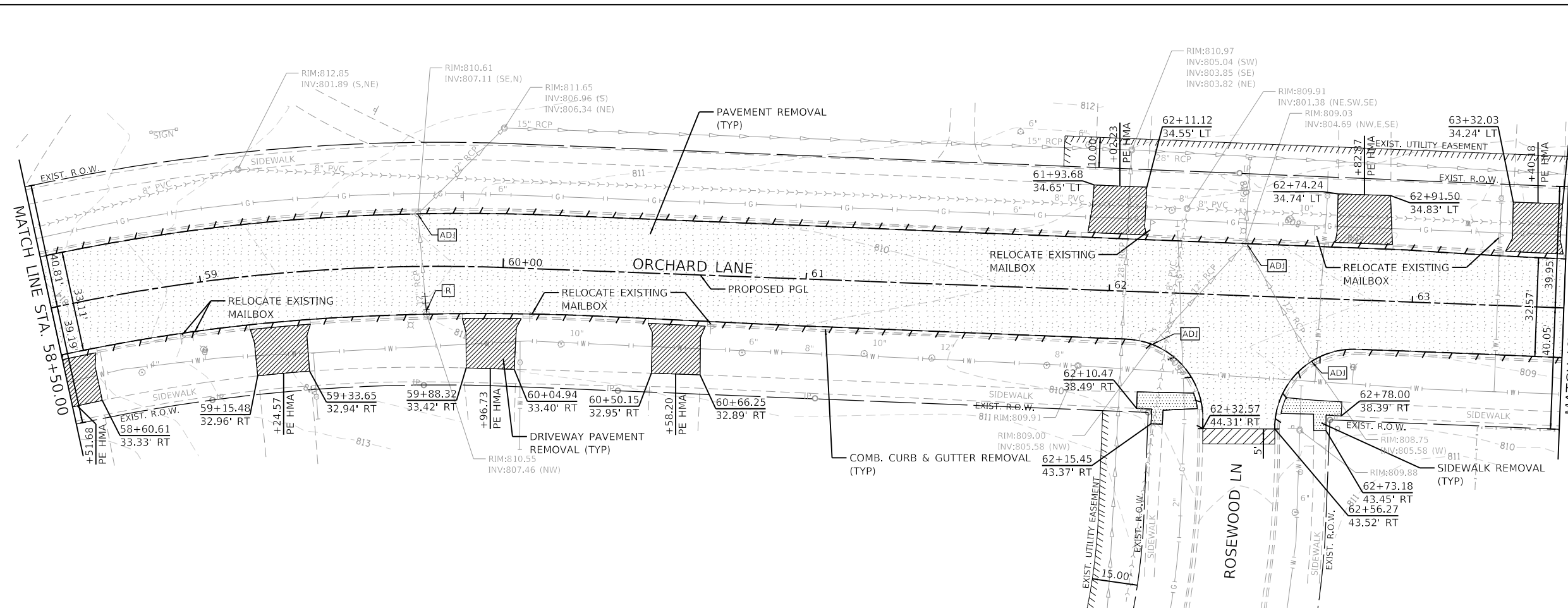
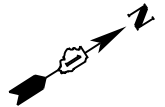
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Default		PJS	-
		CHECKED -	REVISD -
		KLB	-
		DATE -	REVISD -
		2/13/2019	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 ORCHARD LANE**

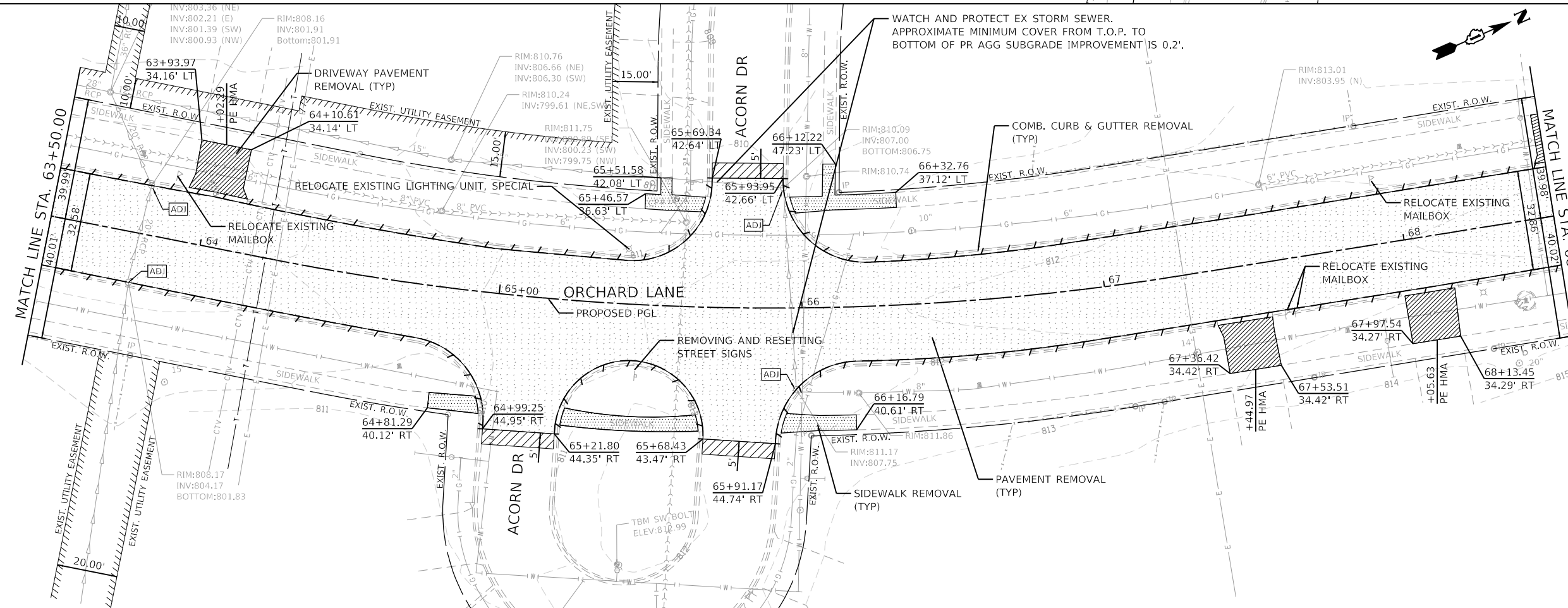
SCALE: 1"=20'    SHEET 5 OF 8 SHEETS    STA. 48+50.00 TO STA. 58+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	45
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



**LEGEND**

	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
	DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
	DRAINAGE STRUCTURE TO BE RECONSTRUCTED
	DRAINAGE STRUCTURE TO BE REMOVED
	STORM SEWER REMOVAL



- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

FILE NAME = 4600-016-sht-removal.dgn  
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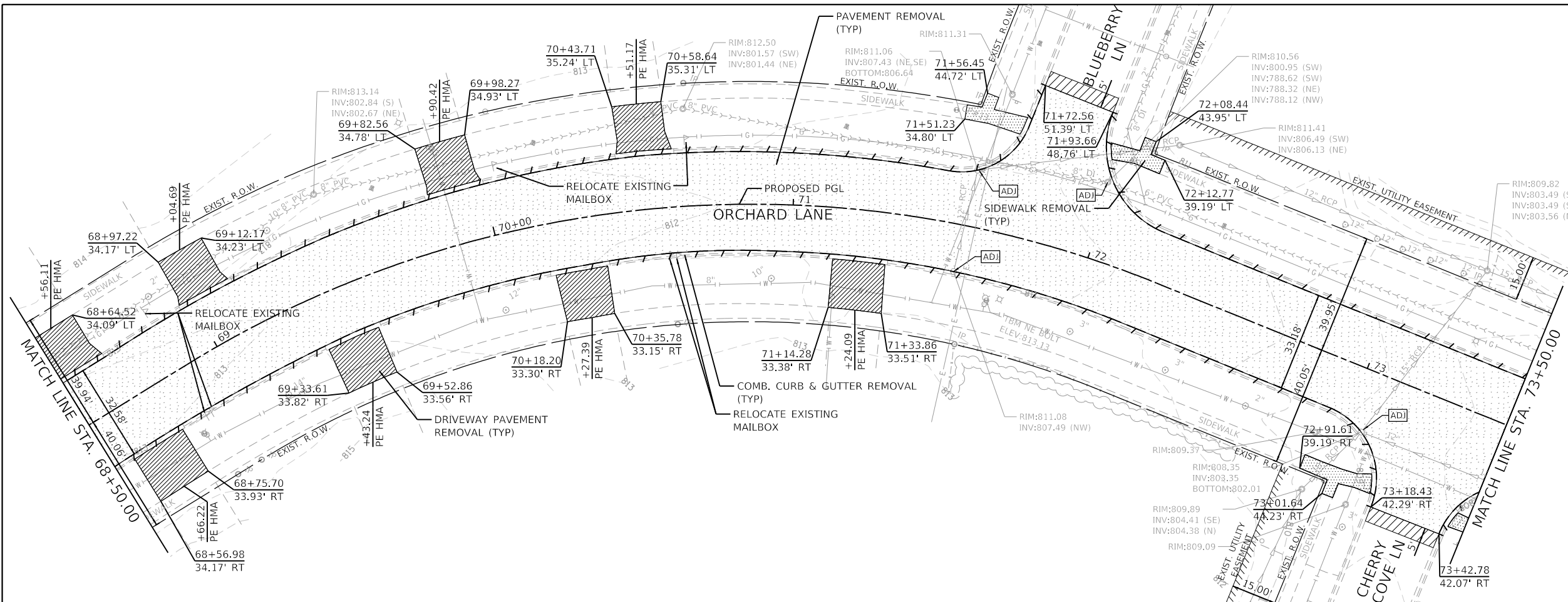
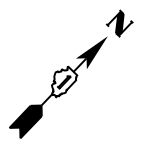
REVISIONS:  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 ORCHARD LANE**

SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 58+50.00 TO STA. 68+50.00

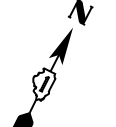
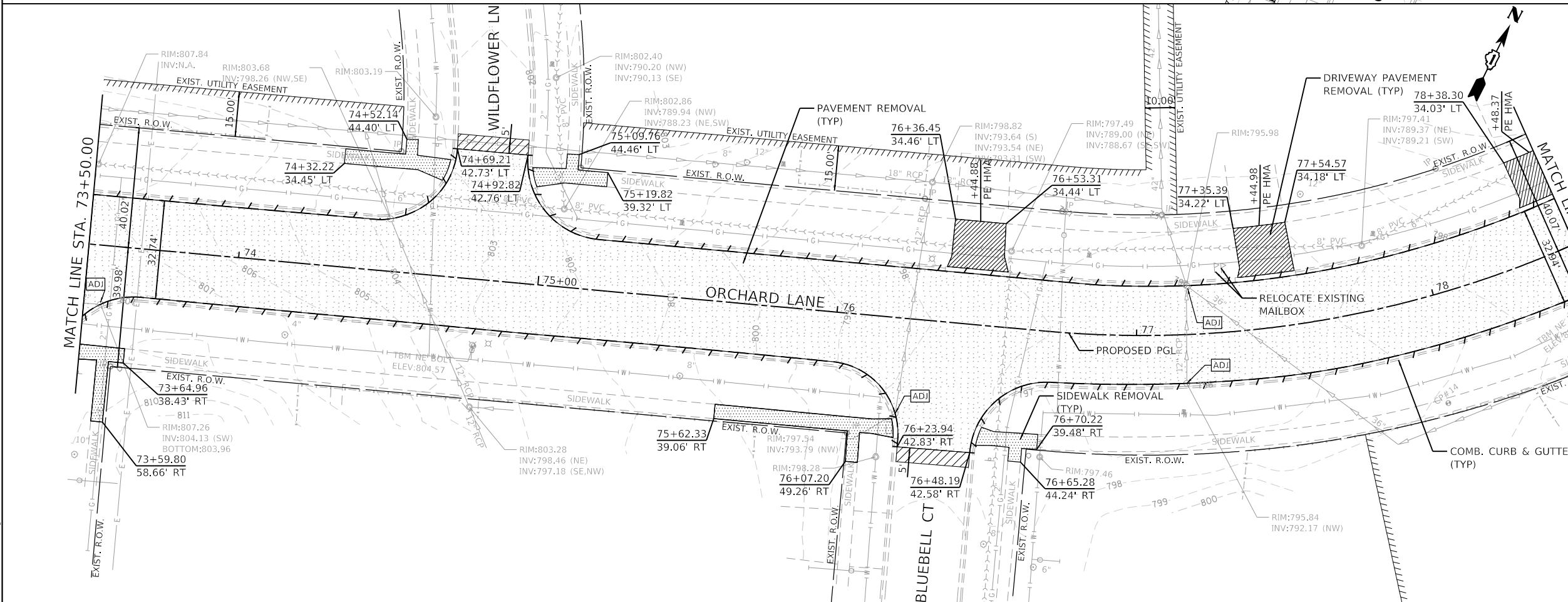
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	46
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



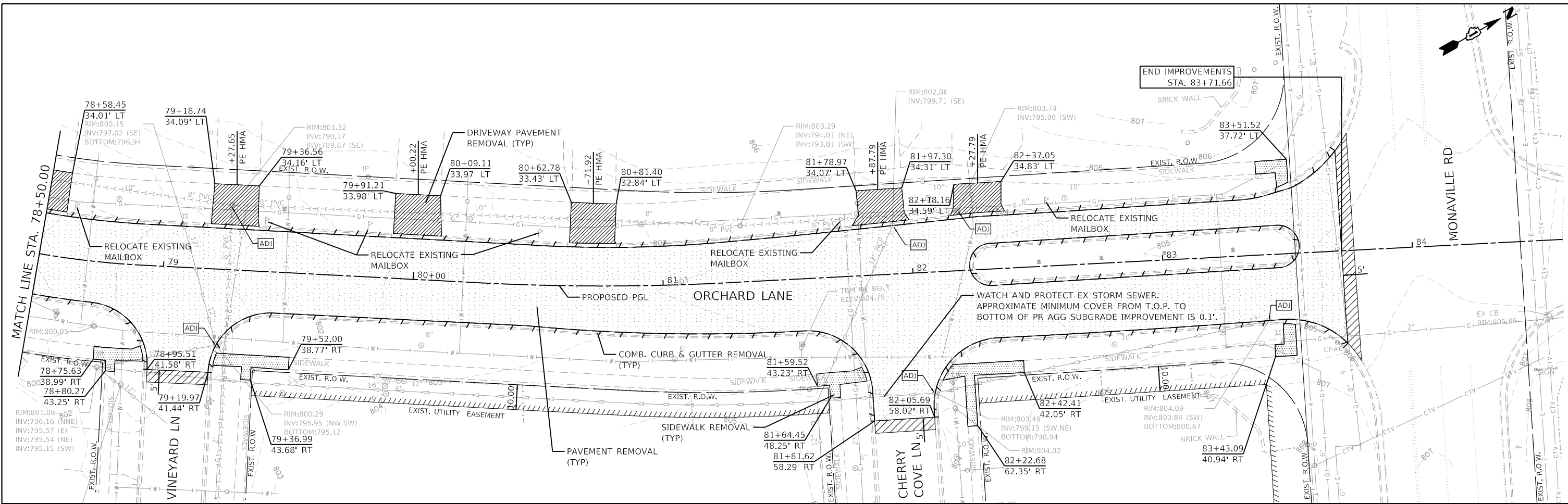
**GHA GEWALT HAMILTON ASSOCIATES, INC.**

FILE NAME = 4600-016-sht-removal 7.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600-016-041		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>ORCHARD LANE</b>		1048	15-00078-00-PV	LAKE	228	47
SCALE: 1"=20'	SHEET 7 OF 8 SHEETS	STA. 68+50.00 TO STA. 78+50.00		CONTRACT NO. 61F65		
				ILLINOIS	FED. AID PROJECT	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	47
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			



**LEGEND**

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE: 4600-016-sht-removal.dgn

FILE NAME = 4600-016-sht-removal.dgn	USER NAME = pswiatek	DESIGNED - MJV	REVISED -
4600.016-041		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 8 OF 8 SHEETS
STA. 78+50.00	TO STA. 84+00.00

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 48
MUN. RTE. 1061	ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F65	

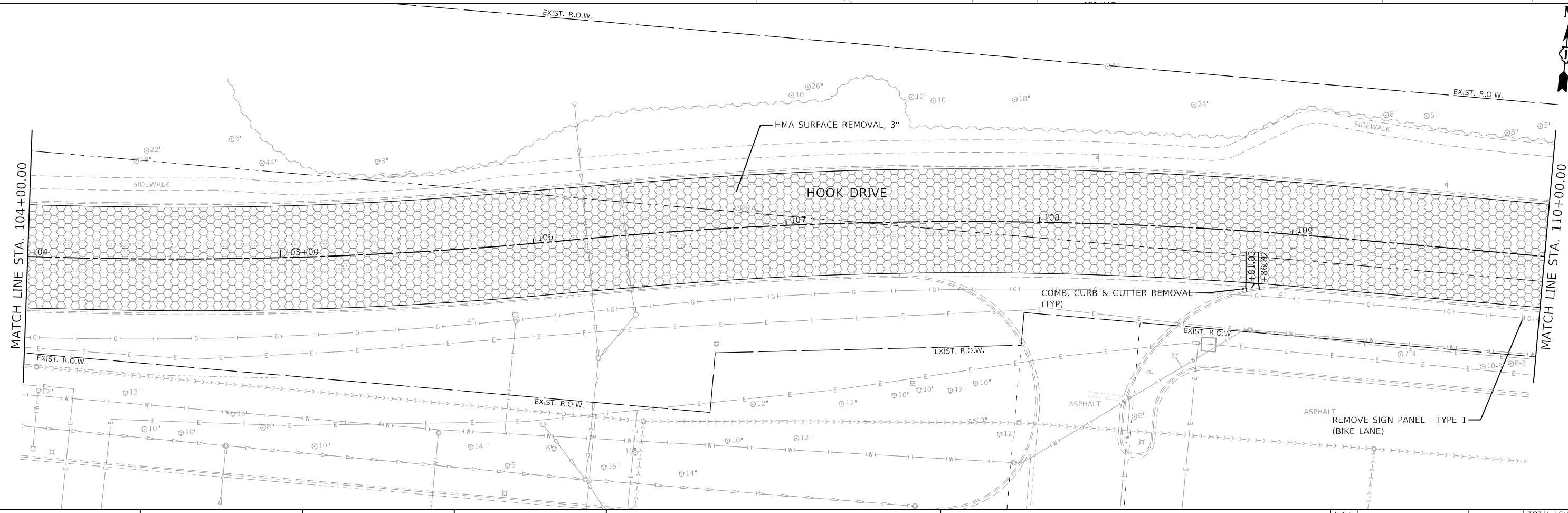
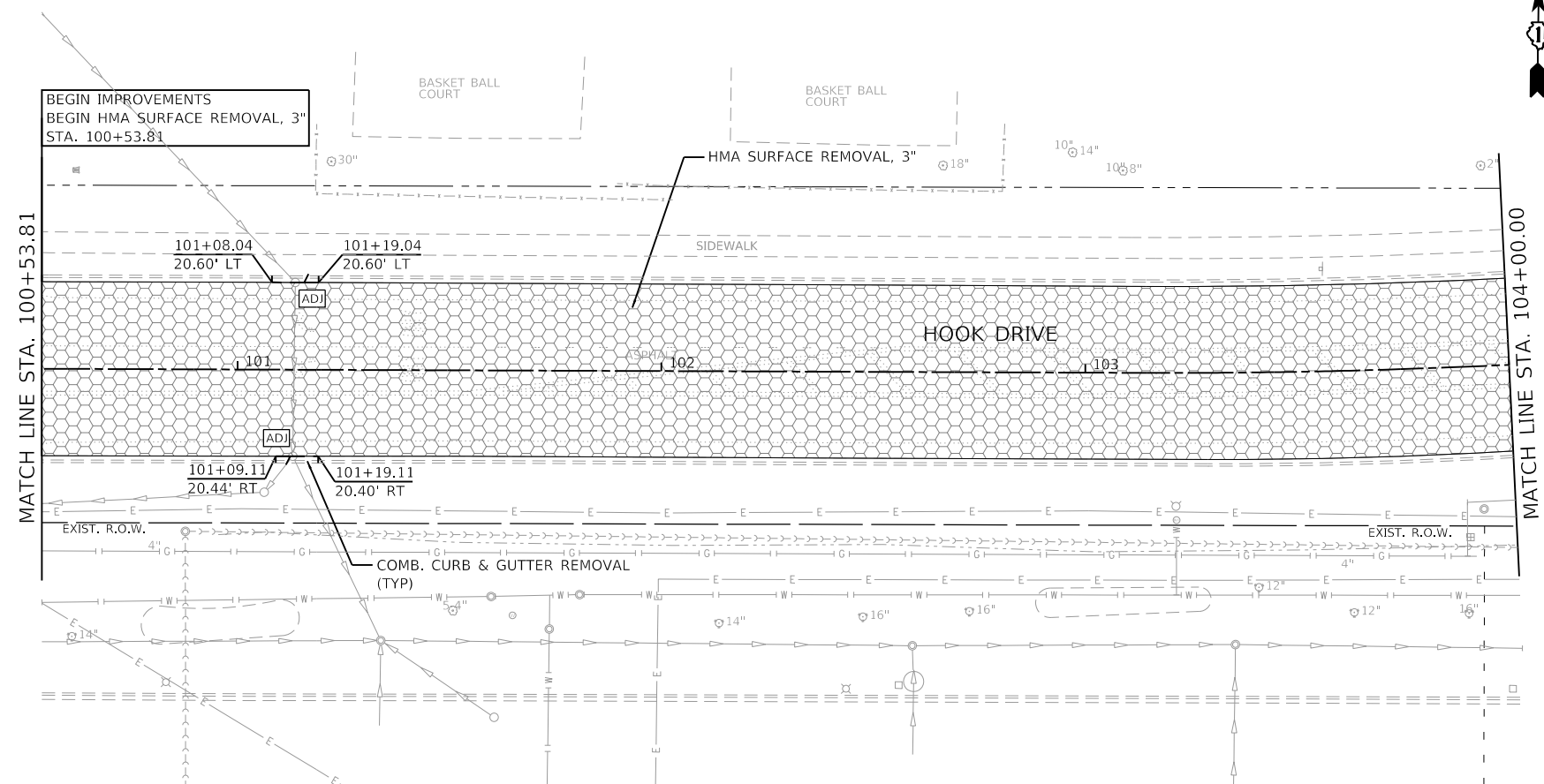




**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVED SHOULDER REMOVAL
	BIKE PATH REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
	DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
	MANHOLES TO BE RECONSTRUCTED

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



FILE NAME = 4600-041-sht-removal 1.dgn  
 USER NAME = pswiatek  
 DESIGNED - MJV  
 DRAWN - PJS  
 CHECKED - KLB  
 DATE - 2/13/2019

DESIGNED - MJV  
 DRAWN - PJS  
 CHECKED - KLB  
 DATE - 2/13/2019

REVISED -  
 REVISED -  
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 REVISED -

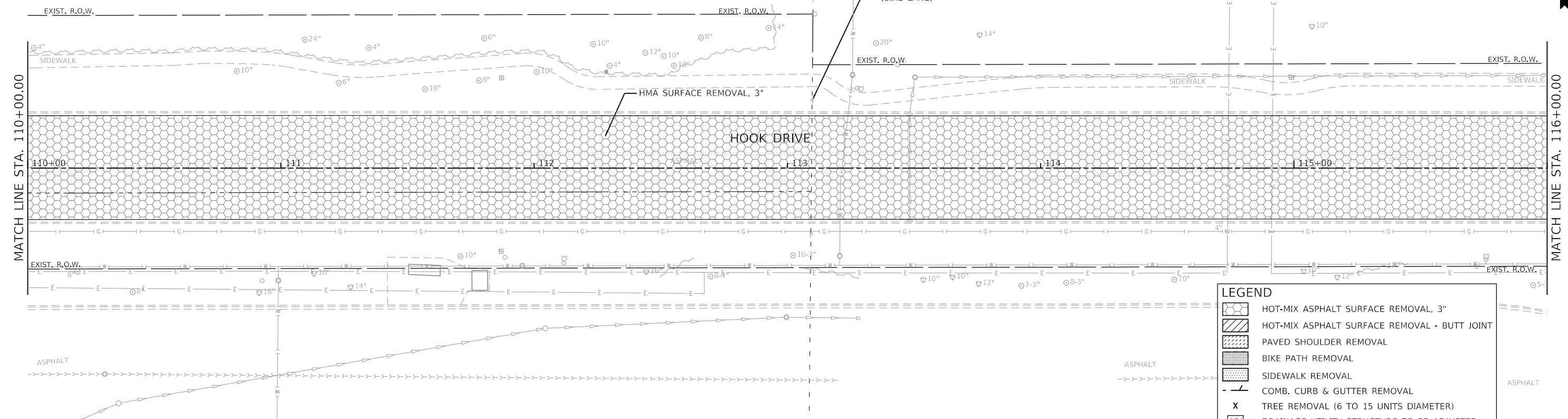
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 HOOK DRIVE**

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. 100+00.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	49
MUN. RTE.				
1061				

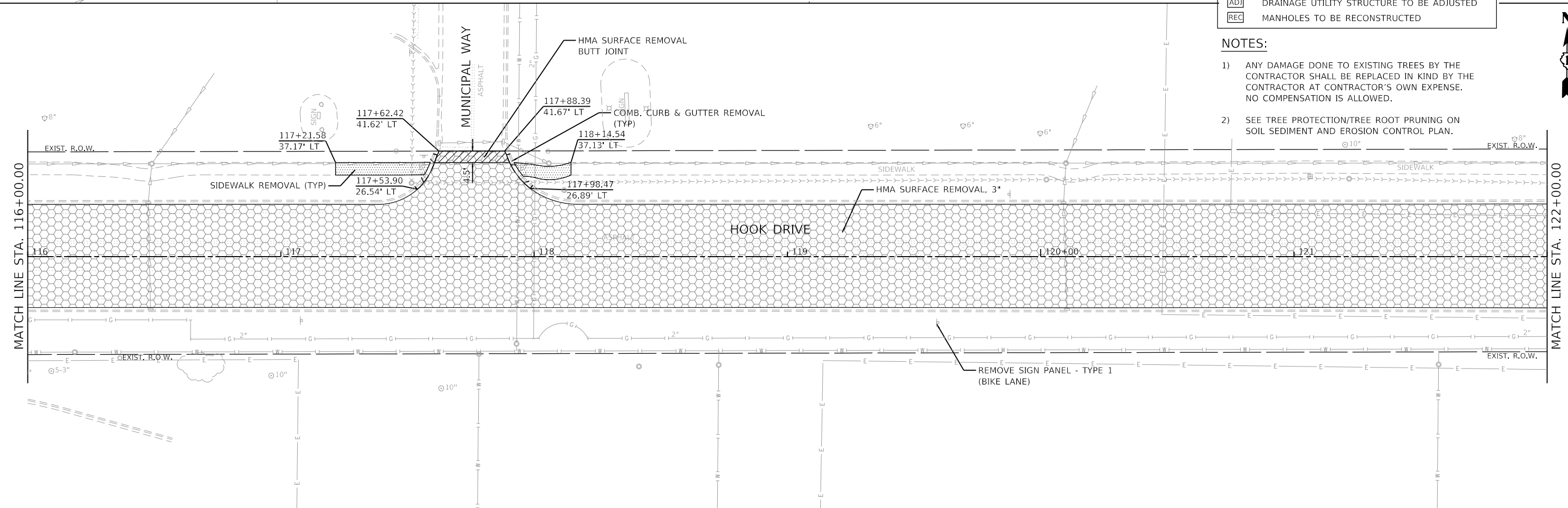
CONTRACT NO. 61F65  
 ILLINOIS FED. AID PROJECT



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL
- BIKE PATH REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
- MANHOLES TO BE RECONSTRUCTED

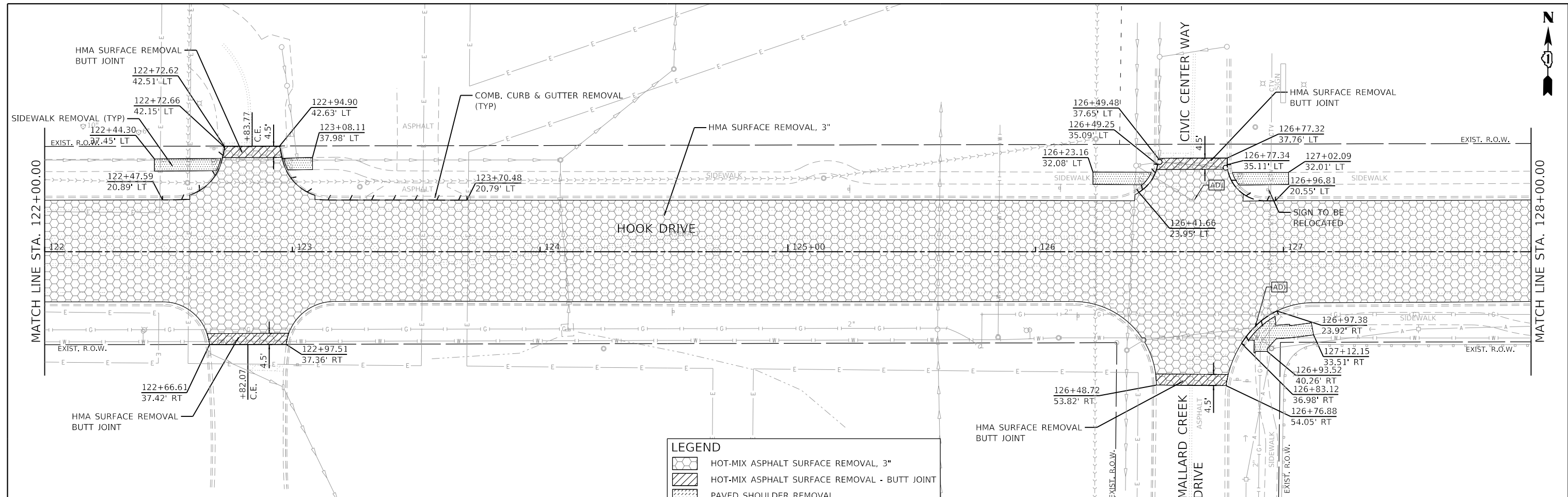
- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



FILE NAME = 4600-041-sht-removal 2.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600.016-041		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

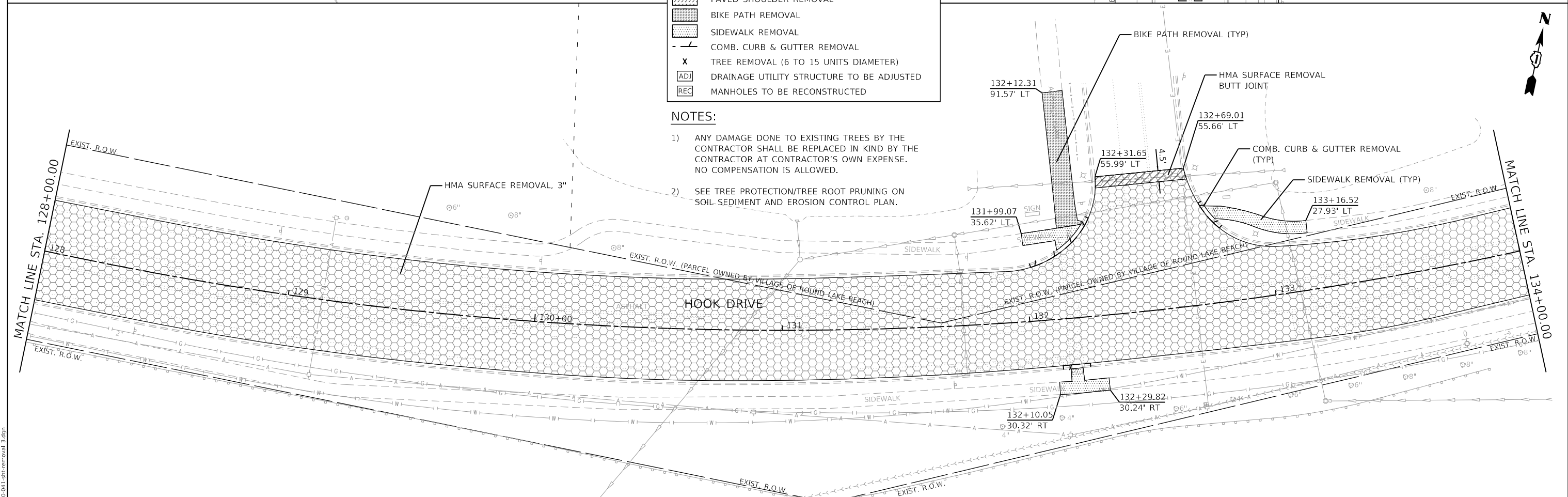
<b>REMOVAL PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>HOOK DRIVE</b>		1048	15-00078-00-PV	LAKE	228	50
SCALE: 1"=20'	SHEET 2 OF 6 SHEETS	MUN. RTE.	CONTRACT NO. 61F65			
	STA. 110+00.00 TO STA. 122+00.00	1061	ILLINOIS FED. AID PROJECT			



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL
- BIKE PATH REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
- MANHOLES TO BE RECONSTRUCTED

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL-SEDIMENT AND EROSION CONTROL PLAN.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE: 4600-041-sht-removal 3.dgn

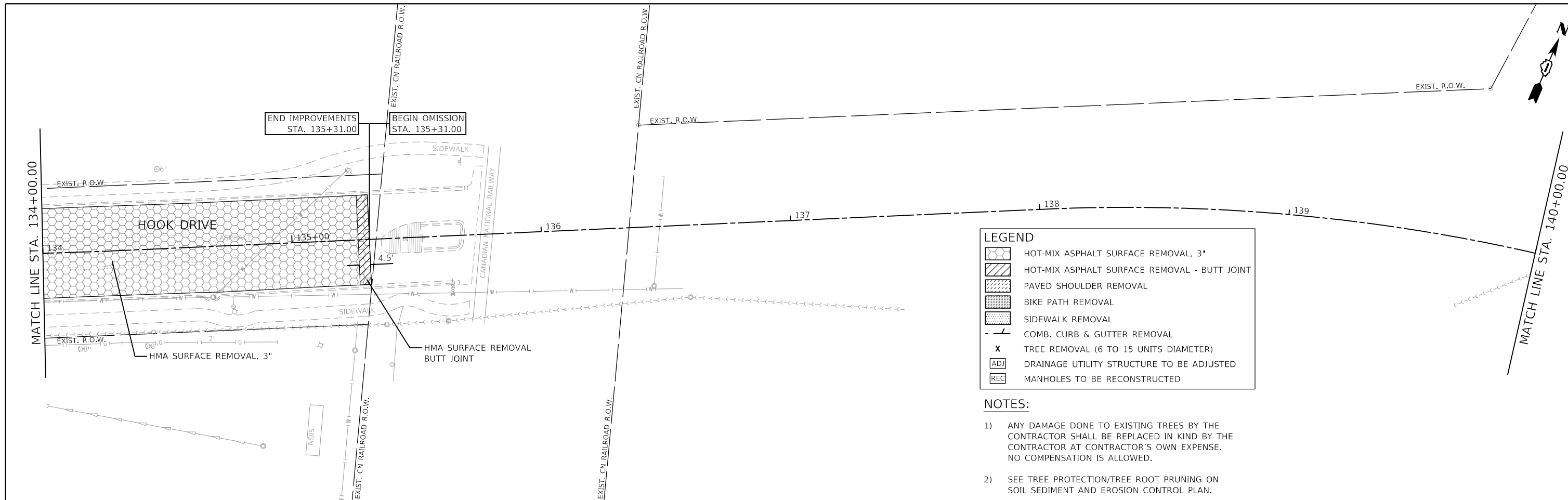
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Default	PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
HOOK DRIVE**

SCALE: 1"=20'    SHEET 3 OF 6 SHEETS    STA. 122+00.00 TO STA. 134+00.00

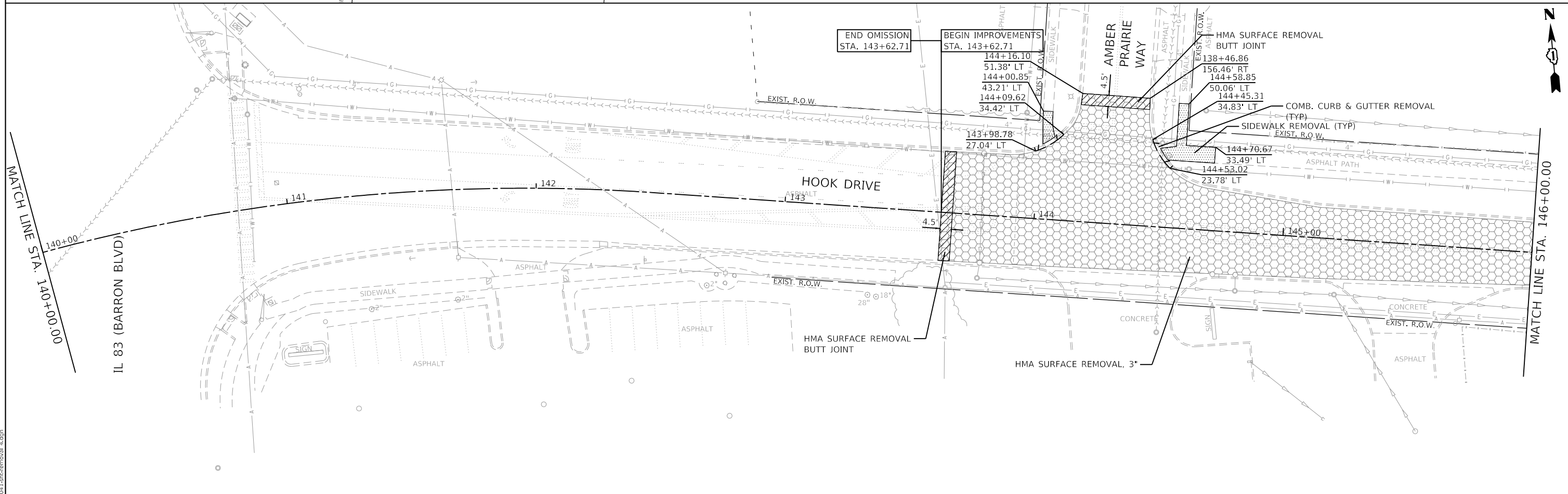
F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 51
MUN. RTE. 1061		CONTRACT NO. 61F65		
		ILLINOIS	FED. AID PROJECT	



**LEGEND**

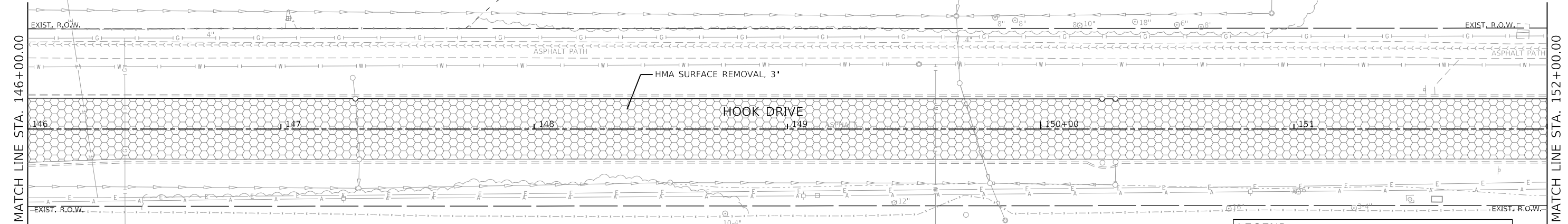
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PAVED SHOULDER REMOVAL
- BIKE PATH REMOVAL
- SIDEWALK REMOVAL
- COMB. CURB & GUTTER REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)
- DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
- MANHOLES TO BE RECONSTRUCTED

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
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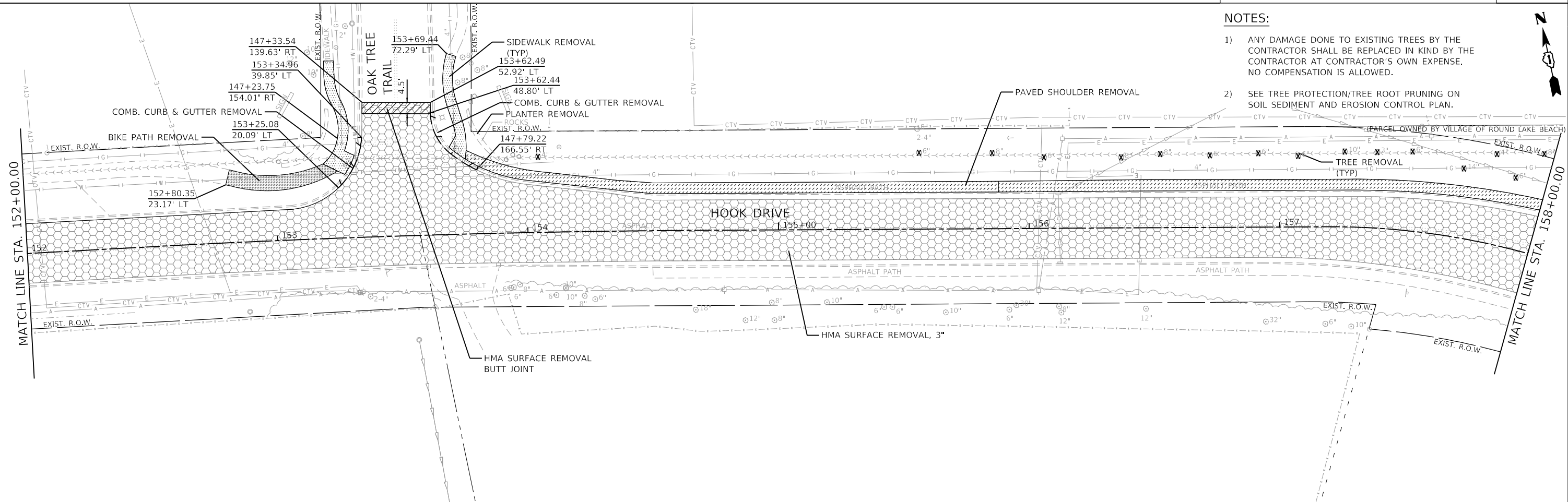
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PLOT SCALE = 1:40	CHECKED - KLB	REVISIED -	REVISIED -			MUN. RTE. 1061	CONTRACT NO. 61F65				
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISIED -	REVISIED -			SCALE: 1"=20'    SHEET 4 OF 6 SHEETS    STA. 134+00.00 TO STA. 146+00.00					
ILLINOIS FED. AID PROJECT											



**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVED SHOULDER REMOVAL
	BIKE PATH REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
	DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
	MANHOLES TO BE RECONSTRUCTED

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

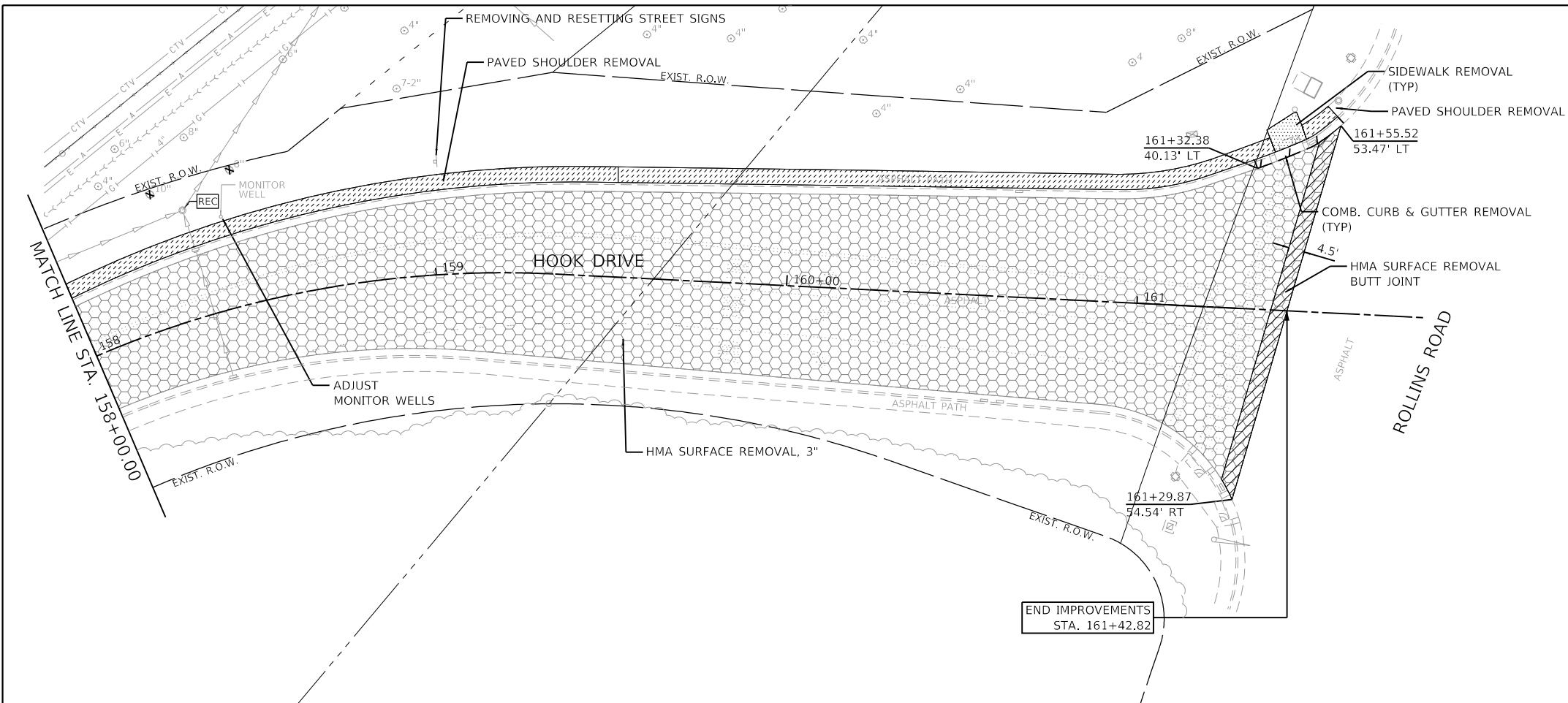
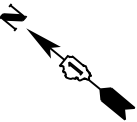
FILE NAME = 4600-041-sht-removal 5.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600.016-041		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
HOOK DRIVE**

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. 146+00.00 TO STA. 158+00.00

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 53
MUN. RTE. 1061			CONTRACT NO. 61F65	
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	PAVED SHOULDER REMOVAL
	BIKE PATH REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
	DRAINAGE UTILITY STRUCTURE TO BE ADJUSTED
	MANHOLES TO BE RECONSTRUCTED

- NOTES:**
- 1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
  - 2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Default  
 FILE NAME: 4600-041-shr-removal 6.dgn

FILE NAME = 4600-041-shr-removal 6.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600.016-041	PLOT SCALE = 1:40	DRAWN - PJS	REVISED -
Default	PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN</b>			
<b>HOOK DRIVE</b>			
SCALE: 1"=20'	SHEET 6 OF 6 SHEETS	STA. 158+00.00 TO STA. 161+81.72	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	54
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

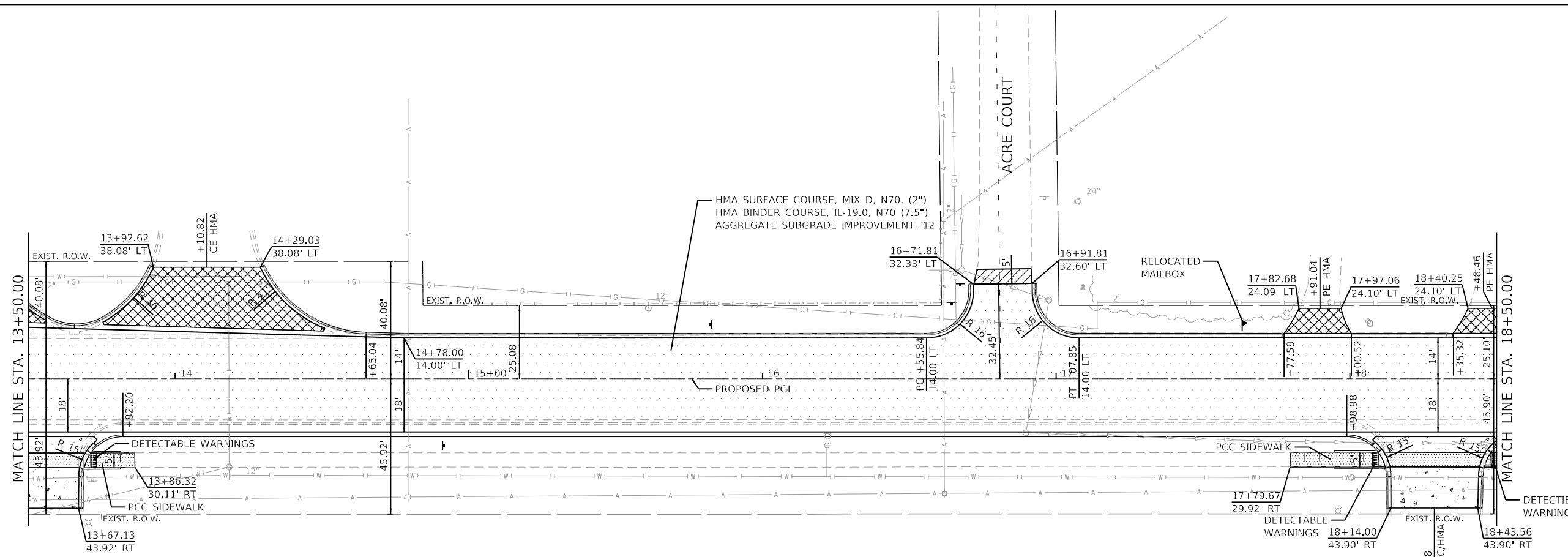




PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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

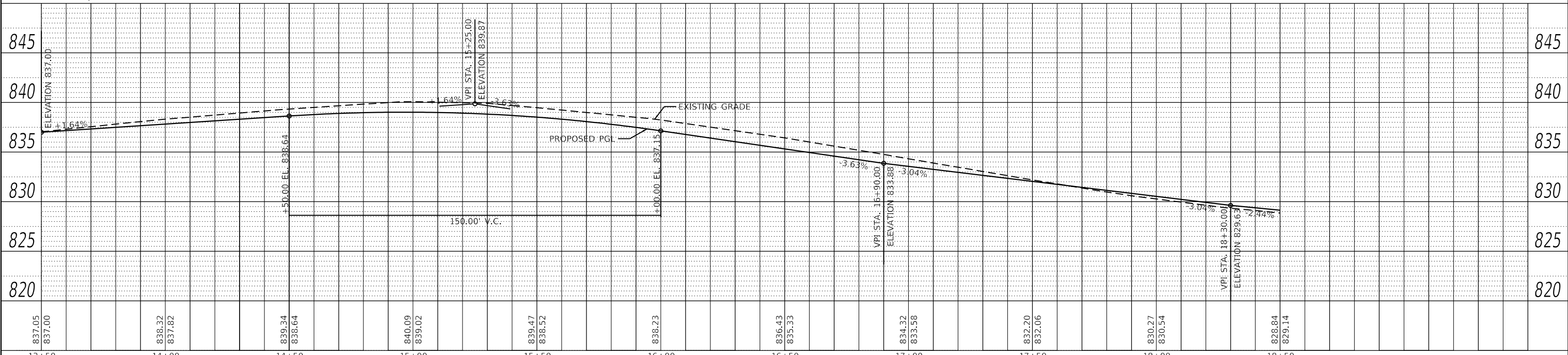
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-shp-plnprf 2.dgn



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER

**ORCHARD LANE**



FILE NAME = 4600-016-shp-plnprf 2.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE          ORCHARD LANE</b>	F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 56		
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			SCALE: 1"=20'	SHEET 2 OF 15 SHEETS	STA. 13+50.00	TO STA. 18+50.00	CONTRACT NO. 61F65		
	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -			ILLINOIS FED. AID PROJECT						



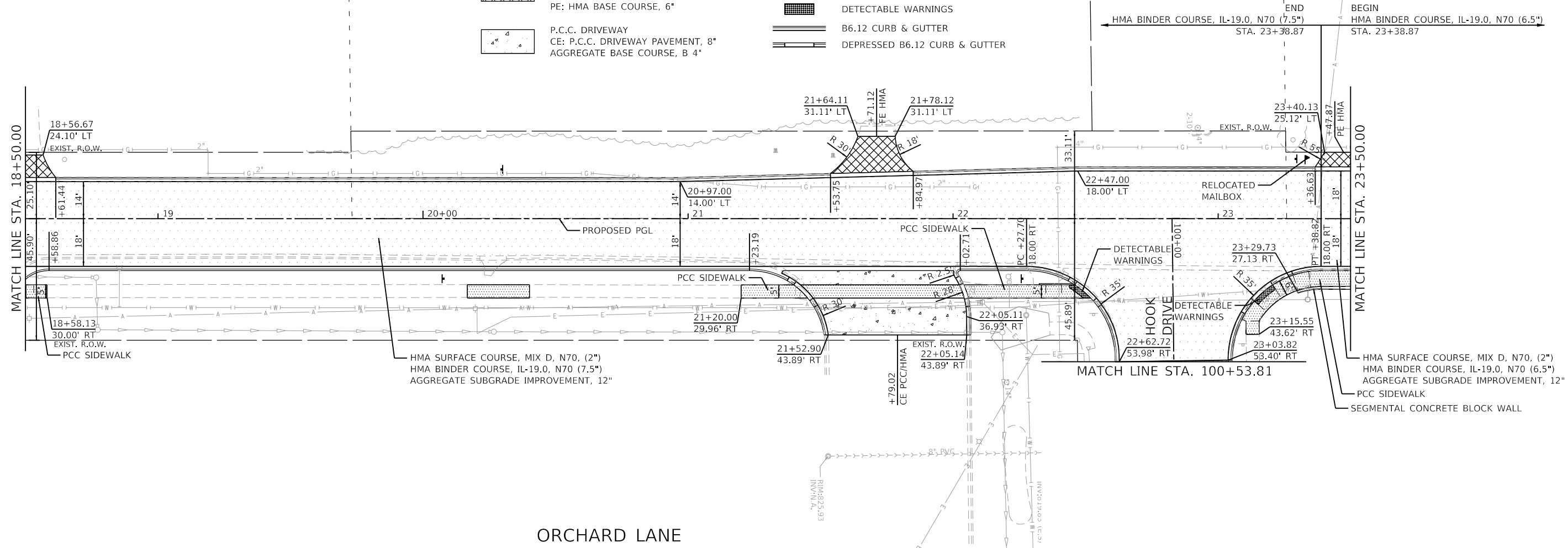


**LEGEND**

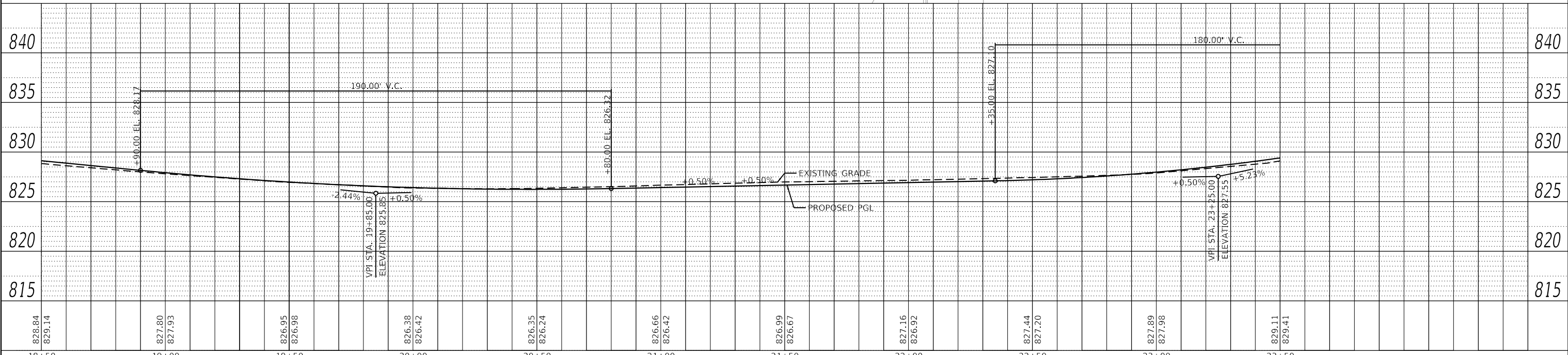
- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER

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

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



**ORCHARD LANE**



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 3.dgn

FILE NAME = 4600-016-sht-plnprf 3.dgn	USER NAME = pswiatek	DESIGNED - MJV	REVISED -
4600-016-sht-plnprf 3.dgn		DRAWN - PJS	REVISED -
4600-016-041		CHECKED - KLB	REVISED -
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 3 OF 15 SHEETS
STA. 18+50.00	TO STA. 23+50.00

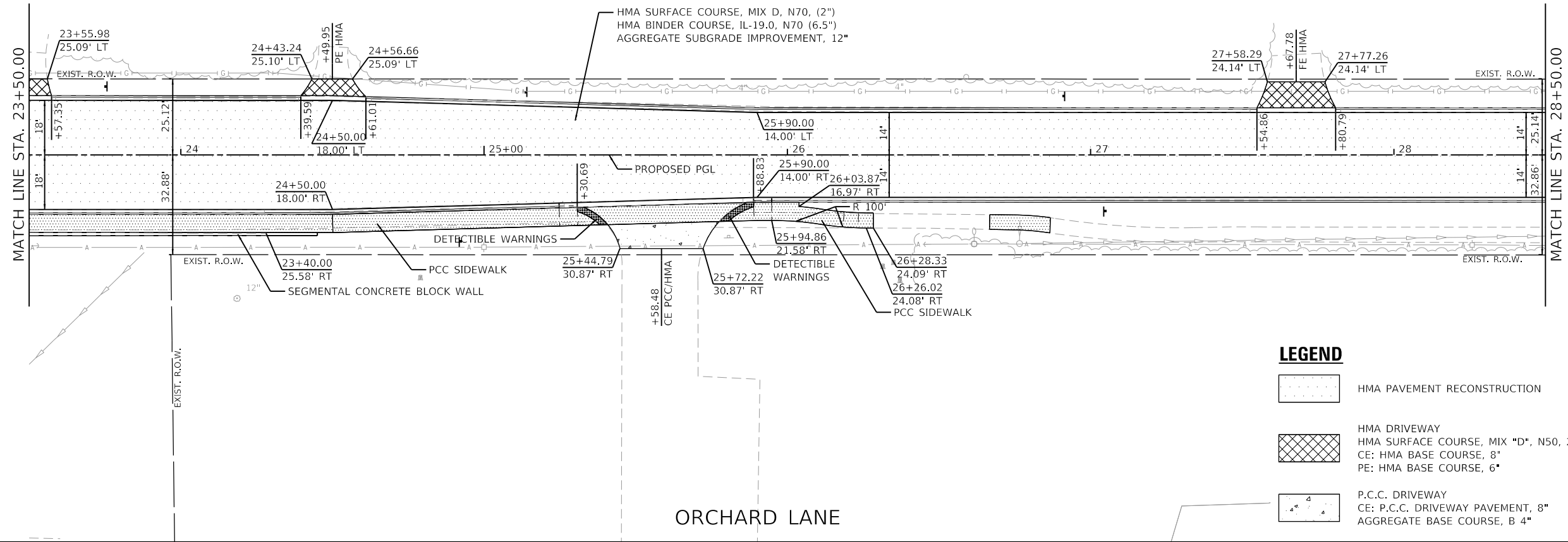
F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 57
MUN. RTE. 1061	CONTRACT NO. 61F65		ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

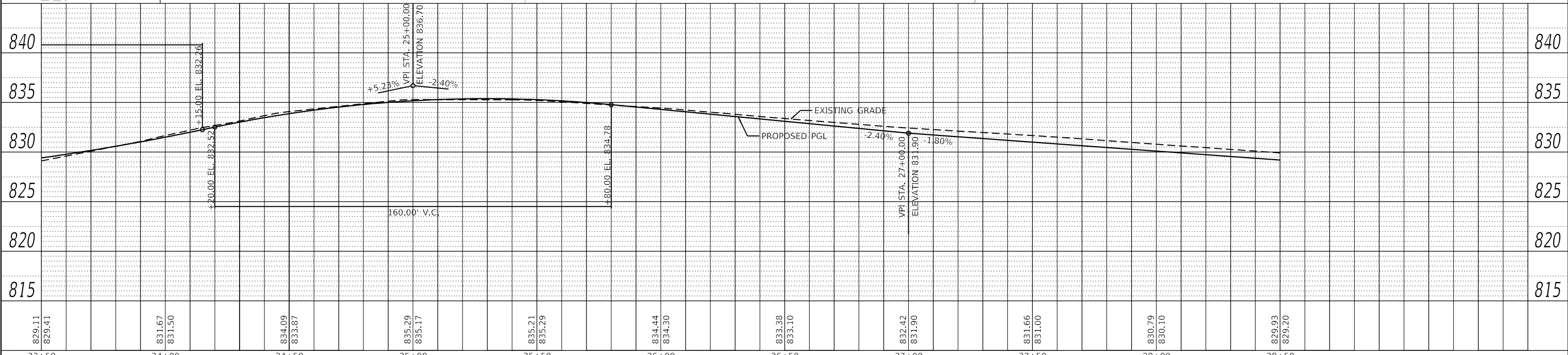
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 4.dgn



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER



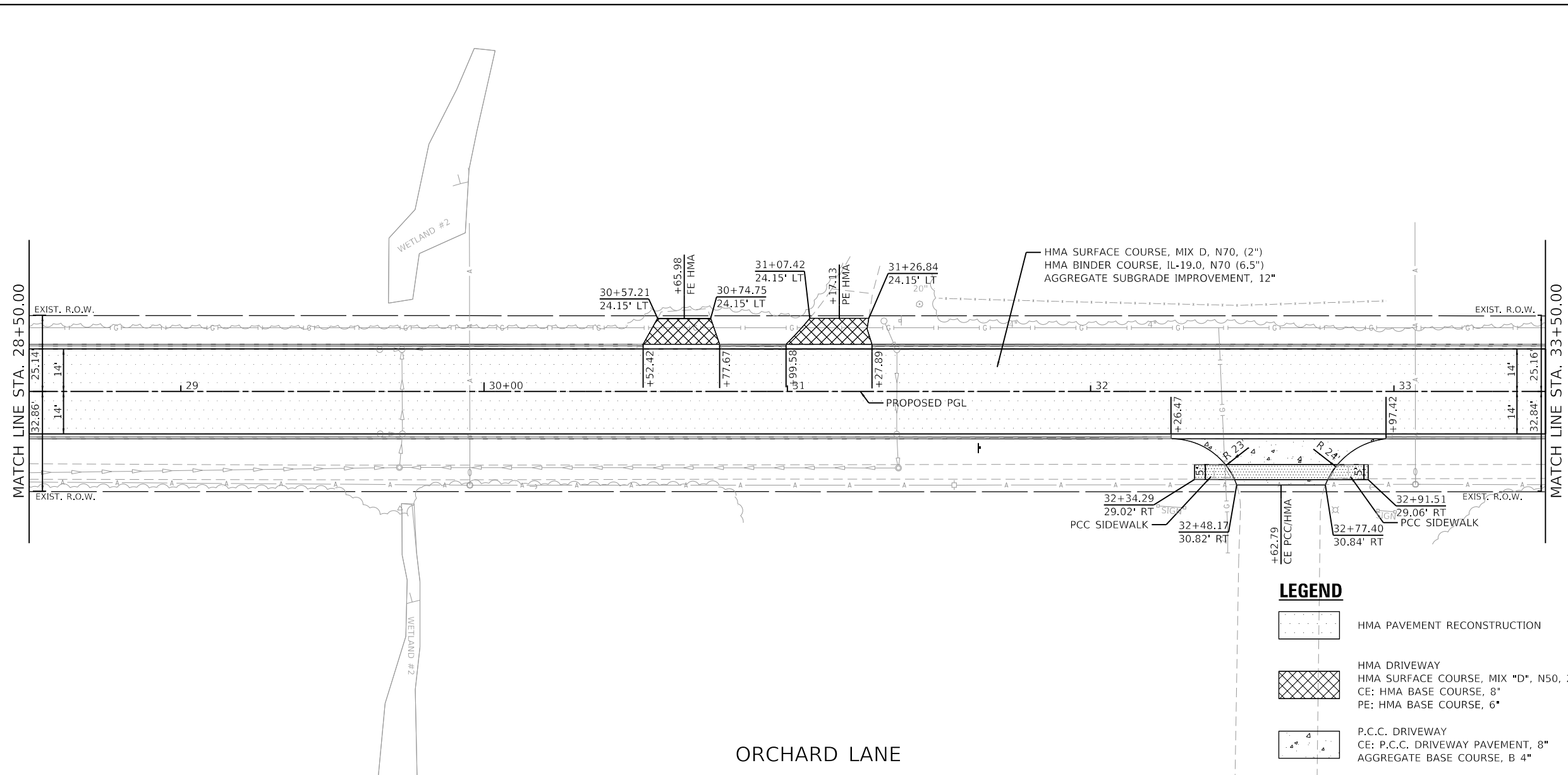
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4600-016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		SCALE: 1"=20'	SHEET 4 OF 15 SHEETS	STA. 23+50.00 TO STA. 28+50.00	MUN. RTE. 1061	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61F65	
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -									



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

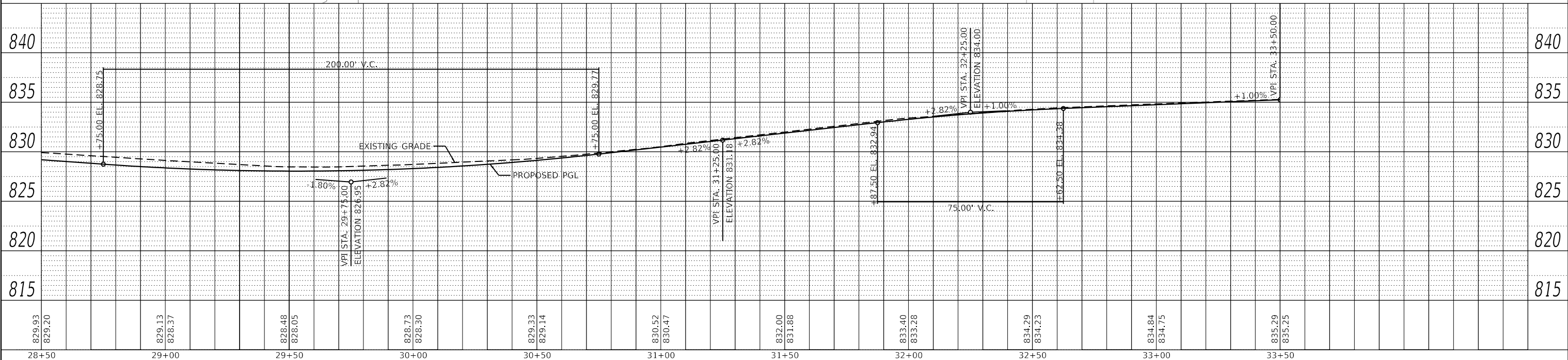
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	PLOTTED	
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-shh-plnprf 5.dgn



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"



FILE NAME =	USER NAME = pswiatek	DESIGNED - MJV	REVISED -
4600-016-shh-plnprf 5.dgn		DRAWN - PJS	REVISED -
4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -
		PLOT SCALE = 1:40	
		PLOT DATE = 2/12/2019	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 5 OF 15 SHEETS
STA. 28+50.00	TO STA. 33+50.00

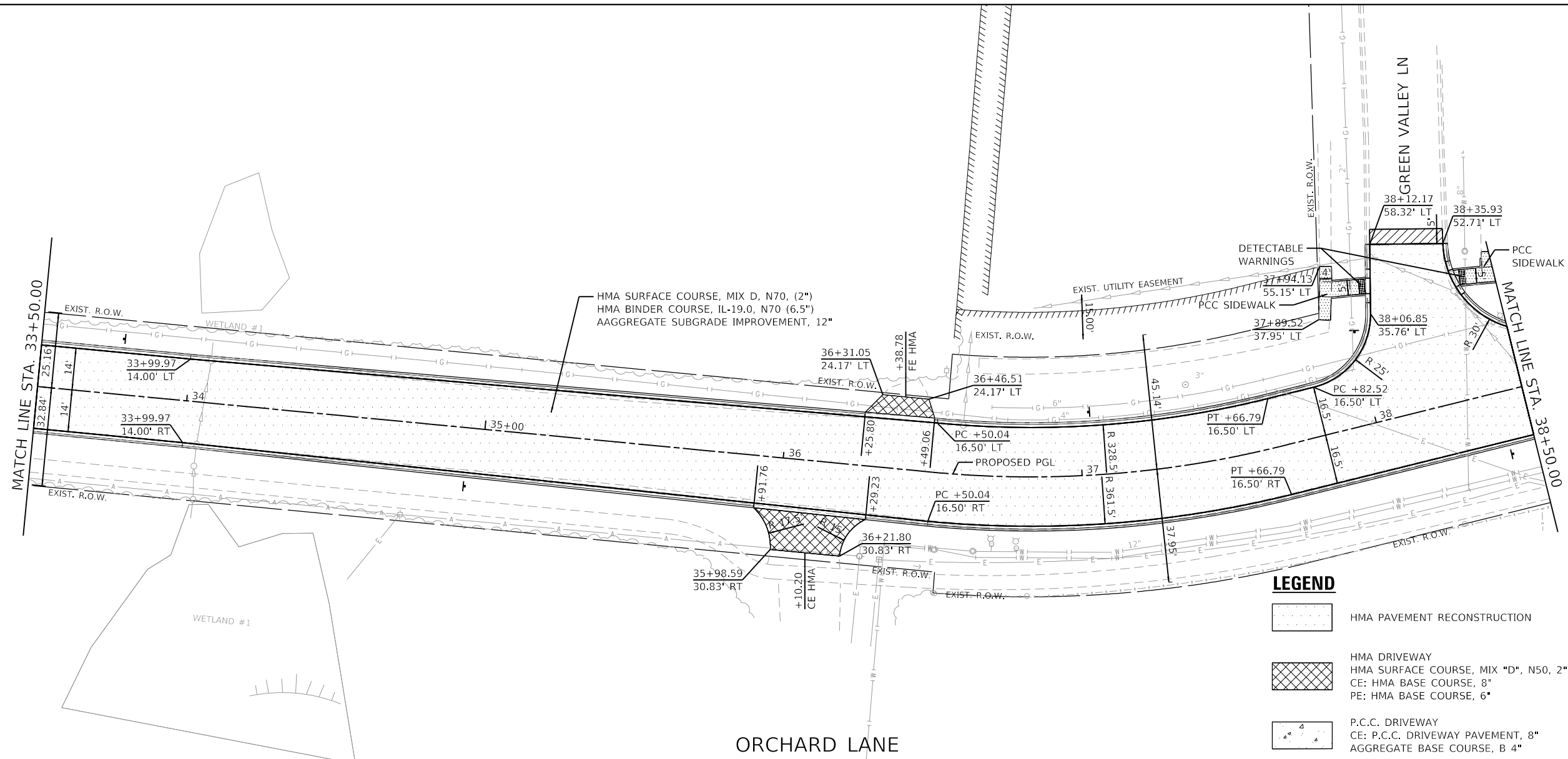
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	59
MUN. RTE.				
1061				
CONTRACT NO. 61F65				
ILLINOIS FED. AID PROJECT				



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

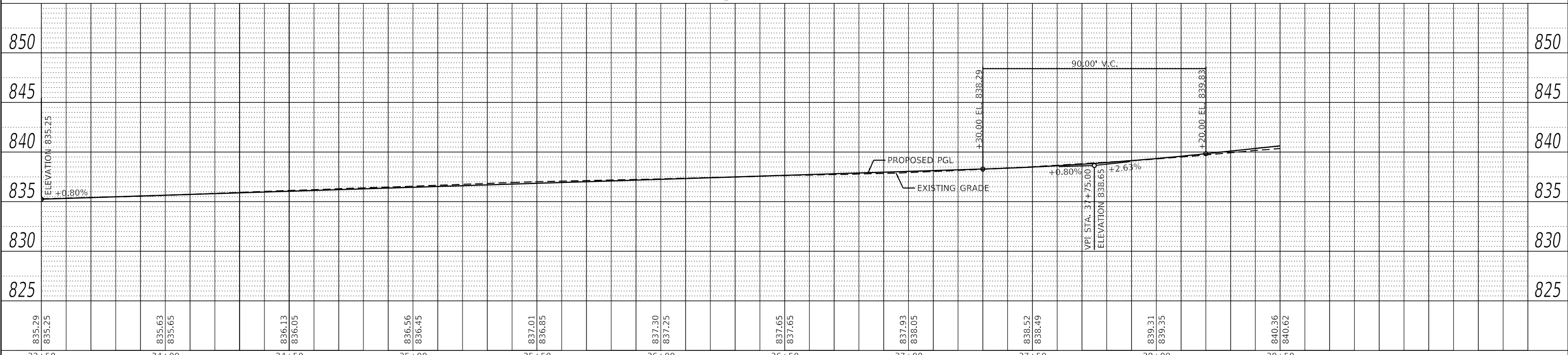
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-shl-plnprf 6.dgn



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER



FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600-016-shl-plnprf 6.dgn		DRAWN - PJS	REVISED -
4600-016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

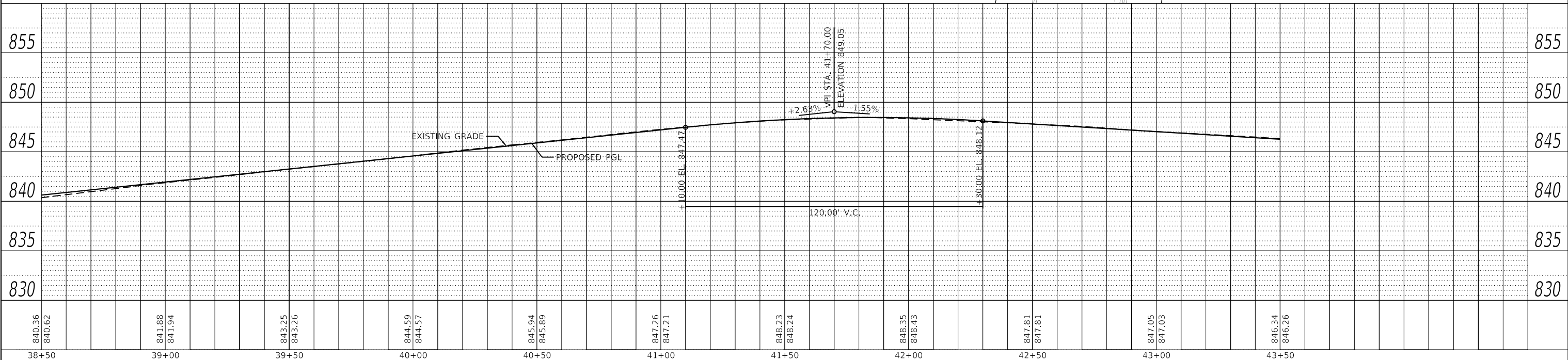
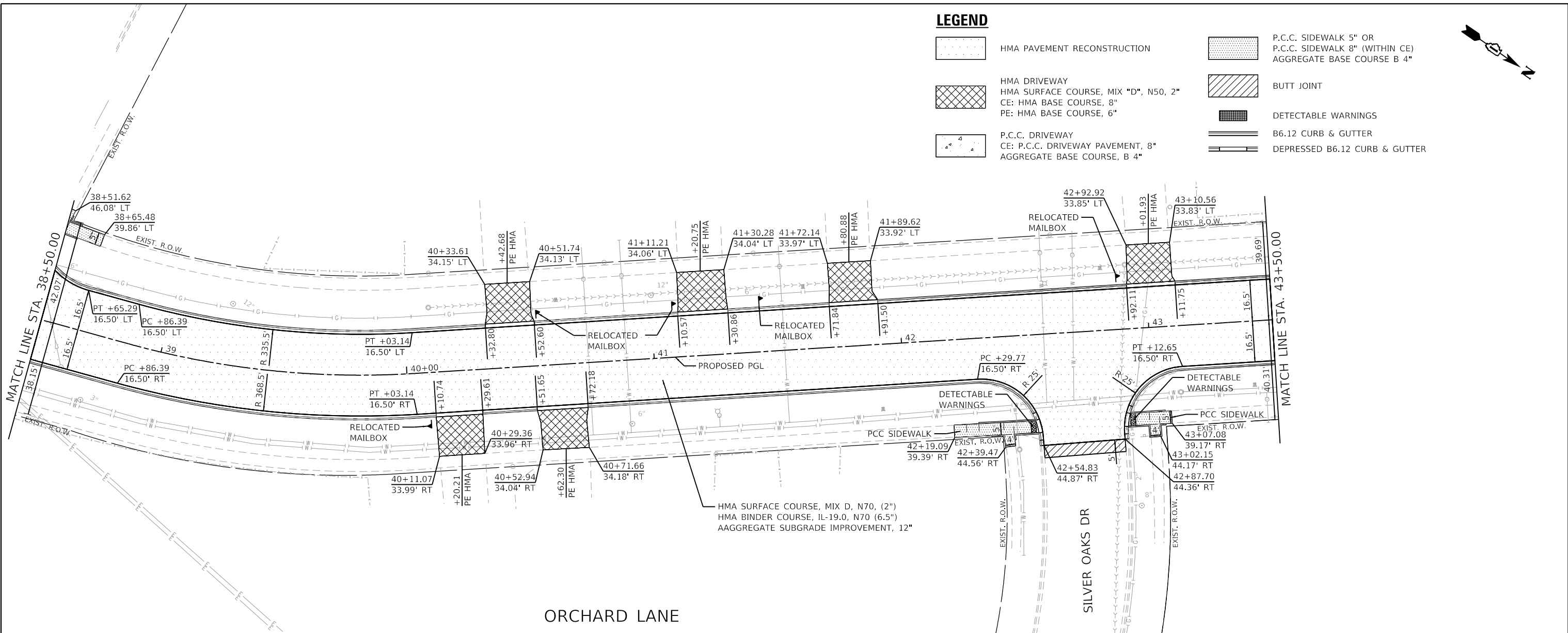
<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 6 OF 15 SHEETS
STA. 33+50.00	TO STA. 38+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	60
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	FILE NO.	

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-shr-plnprf 7.dgn

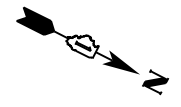


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4600-016-shr-plnprf 7.dgn		DRAWN - PJS	REVISED -
4600-016-041		CHECKED - KLB	REVISED -
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 7 OF 15 SHEETS
STA. 38+50.00	TO STA. 43+50.00

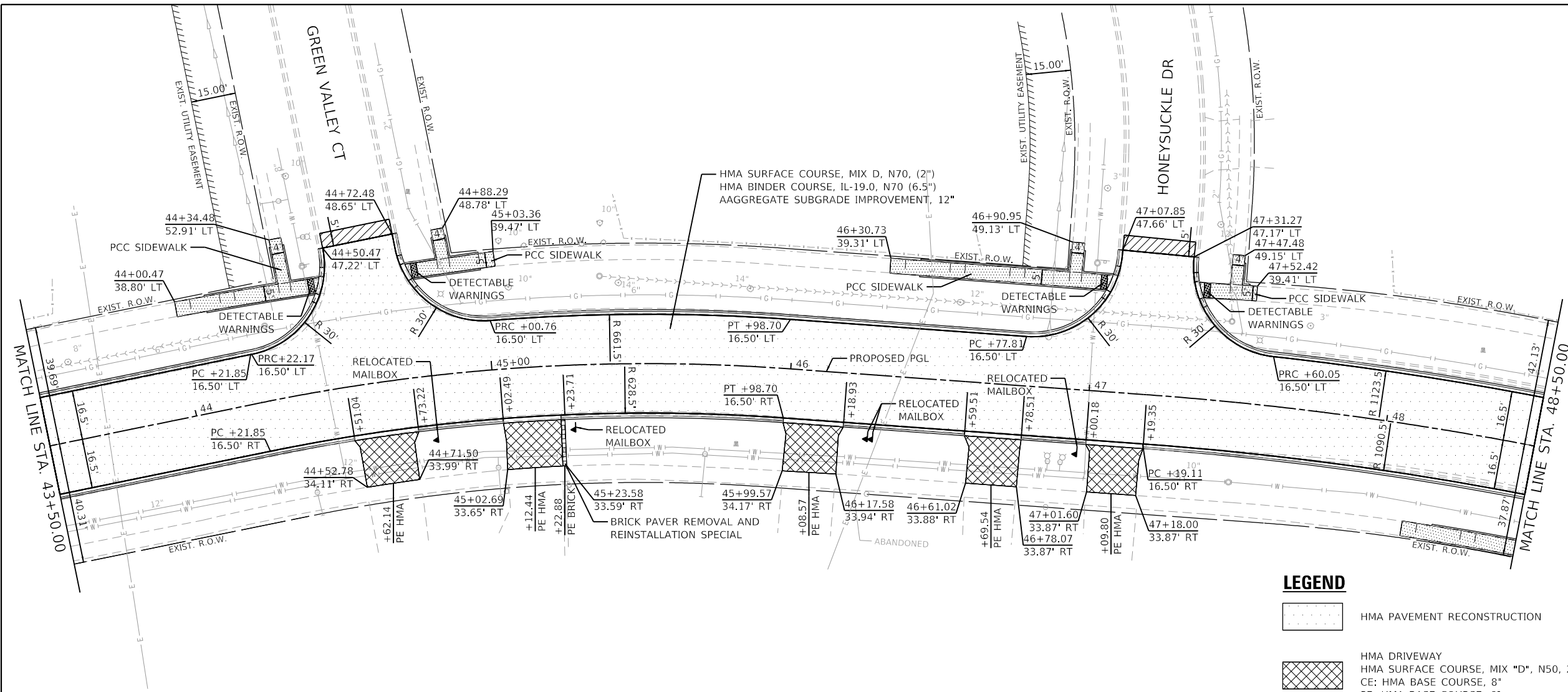
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	61
MUN. RTE.				CONTRACT NO. 61F65
1061		ILLINOIS	FED. AID PROJECT	



PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

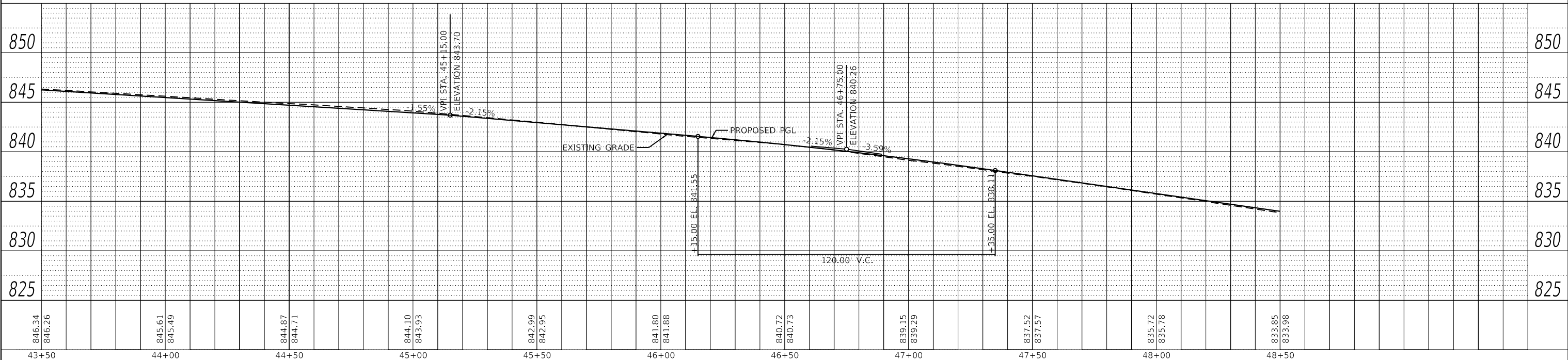
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 8.dgn



**ORCHARD LANE**

**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"



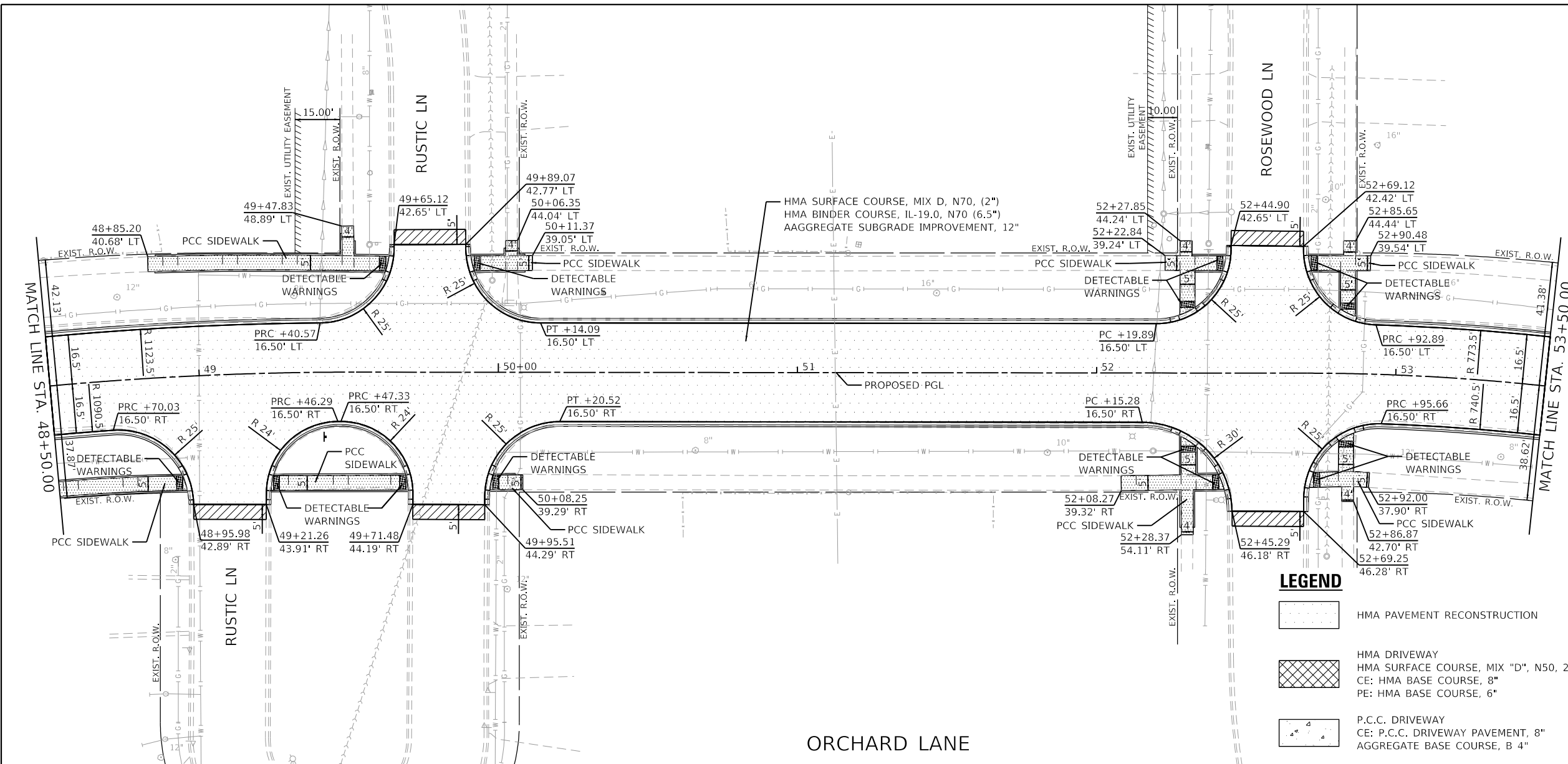
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4600-016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		MUN. RTE. 1061	CONTRACT NO. 61F65			
Default	PLOT DATE = 2/12/2019	DATE = 2/13/2019	REVISED -		ILLINOIS FED. AID PROJECT				



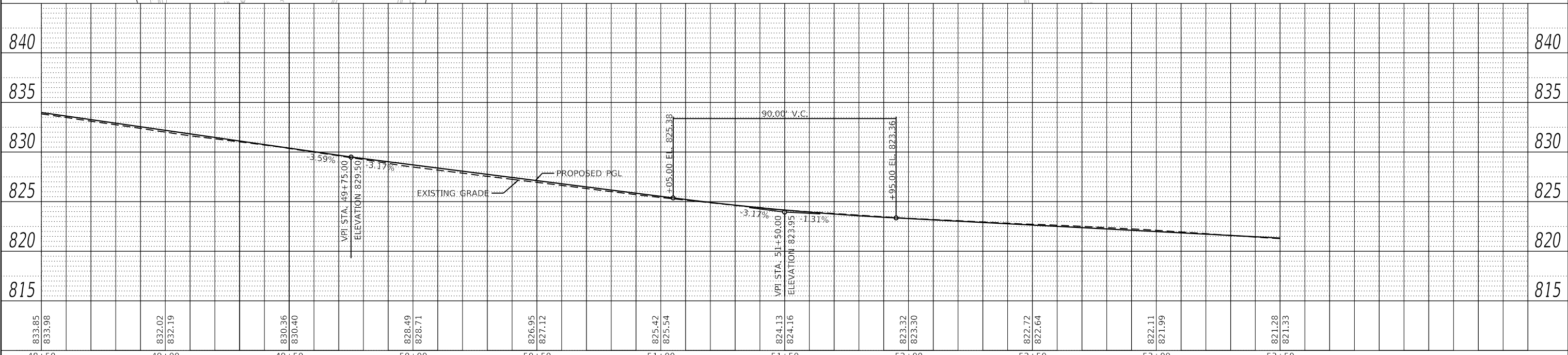
PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNED CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 9.dgn



**ORCHARD LANE**



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"

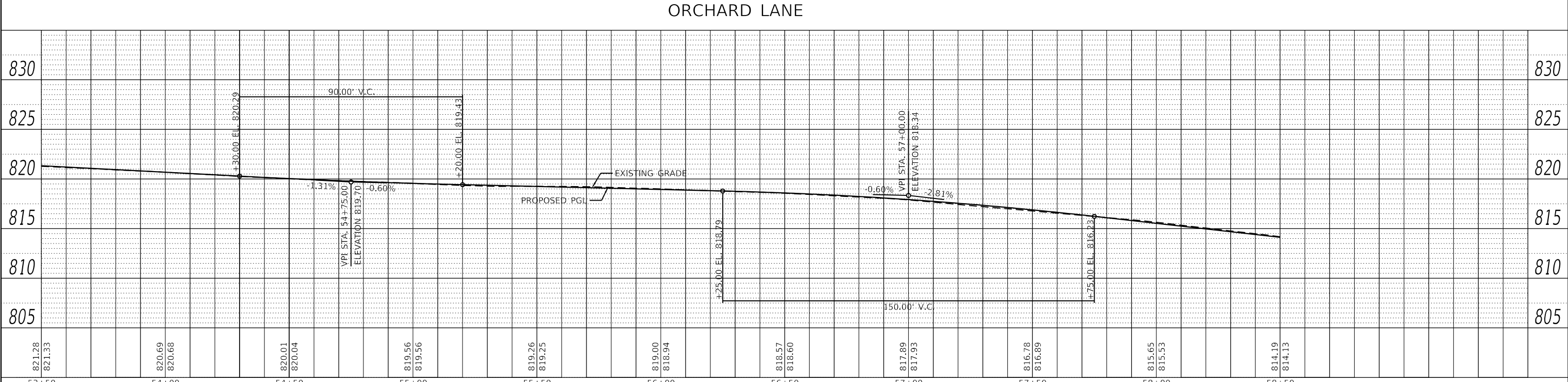
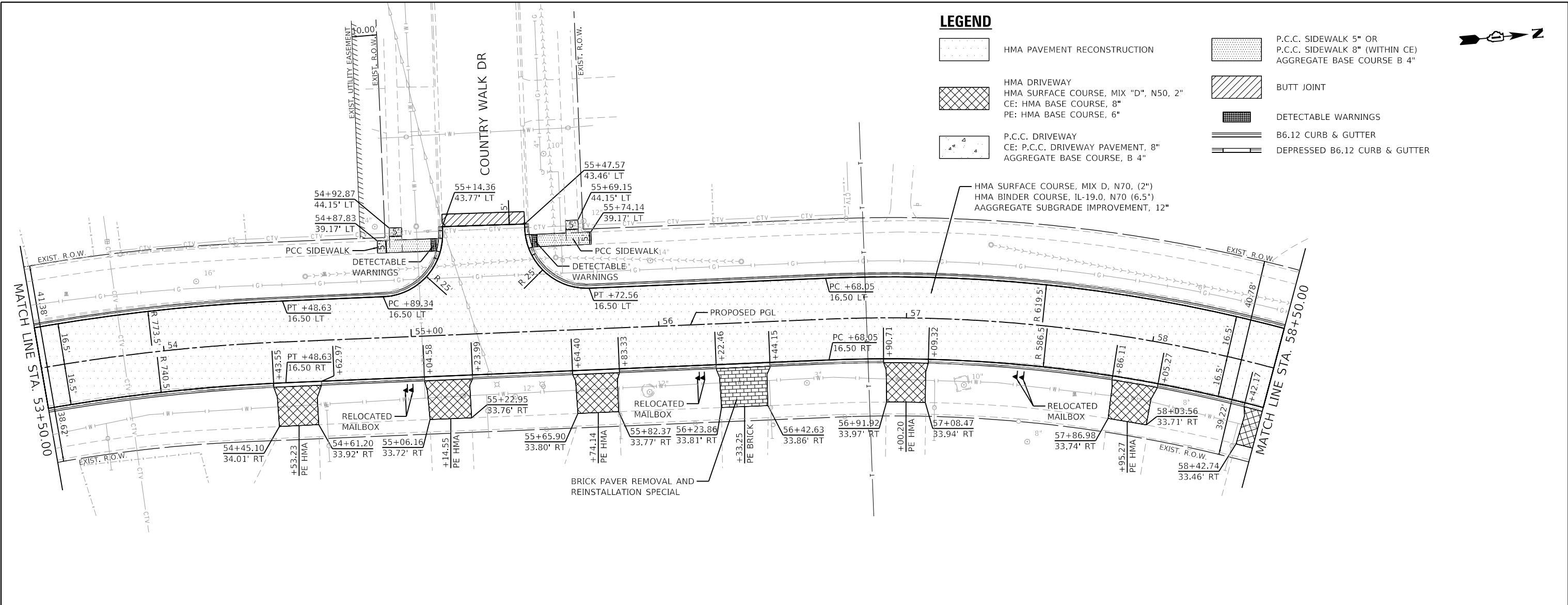
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4600-016-sht-plnprf 9.dgn		DRAWN - PJS	REVISED -			1048	15-00078-00-PV	LAKE	228	63	
4600-016-041		CHECKED - KLB	REVISED -			MUN. RTE.					CONTRACT NO. 61F65
Default		DATE - 2/13/2019	REVISED -			1061		ILLINOIS	FED. AID PROJECT		

SCALE: 1"=20' SHEET 9 OF 15 SHEETS STA. 48+50.00 TO STA. 53+50.00

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

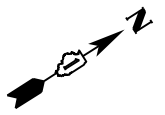
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 10.dgn



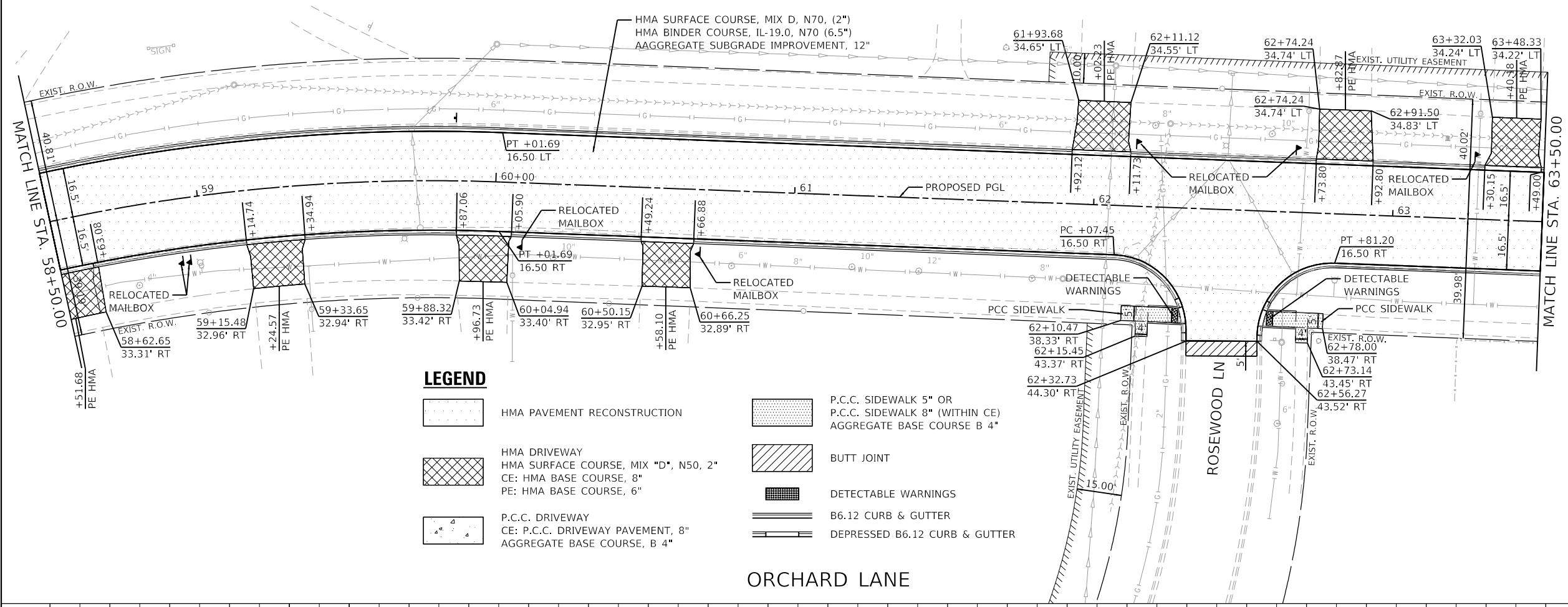
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4600-016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			MUN. RTE.	CONTRACT NO. 61F65				
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -			SCALE: 1"=20'	SHEET 10 OF 15 SHEETS	STA. 53+50.00 TO STA. 58+50.00	ILLINOIS	FED. AID PROJECT	





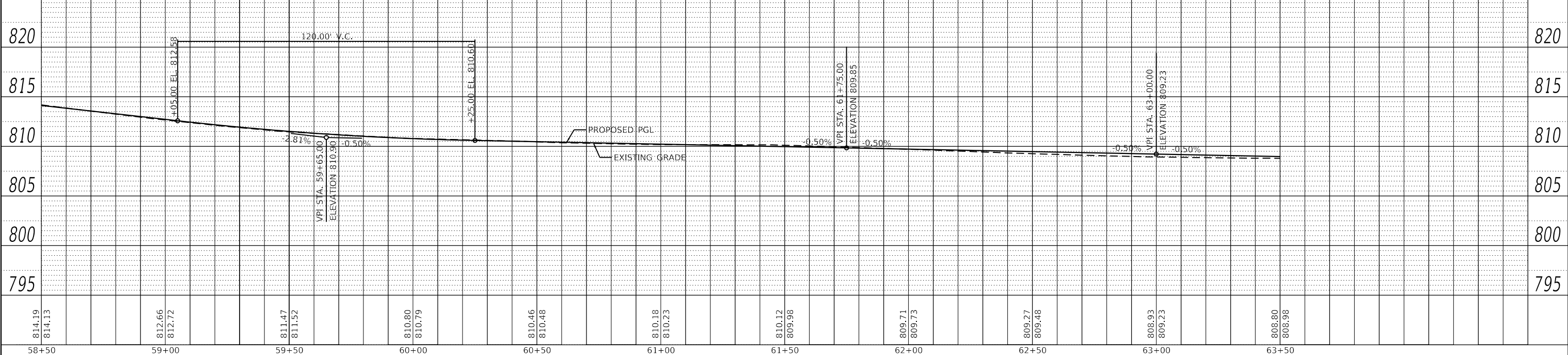
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



LEGEND	
	HMA PAVEMENT RECONSTRUCTION
	HMA DRIVEWAY HMA SURFACE COURSE, MIX "D", N50, 2" CE: HMA BASE COURSE, 8" PE: HMA BASE COURSE, 6"
	P.C.C. DRIVEWAY CE: P.C.C. DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, B 4"
	P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
	BUTT JOINT
	DETECTABLE WARNINGS
	B6.12 CURB & GUTTER
	DEPRESSED B6.12 CURB & GUTTER

ORCHARD LANE



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 11.dgn

FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
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4600-016-041		CHECKED - KLB	REVISED -
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE	
ORCHARD LANE	
SCALE: 1"=20'	SHEET 11 OF 15 SHEETS
STA. 58+50.00	TO STA. 63+50.00

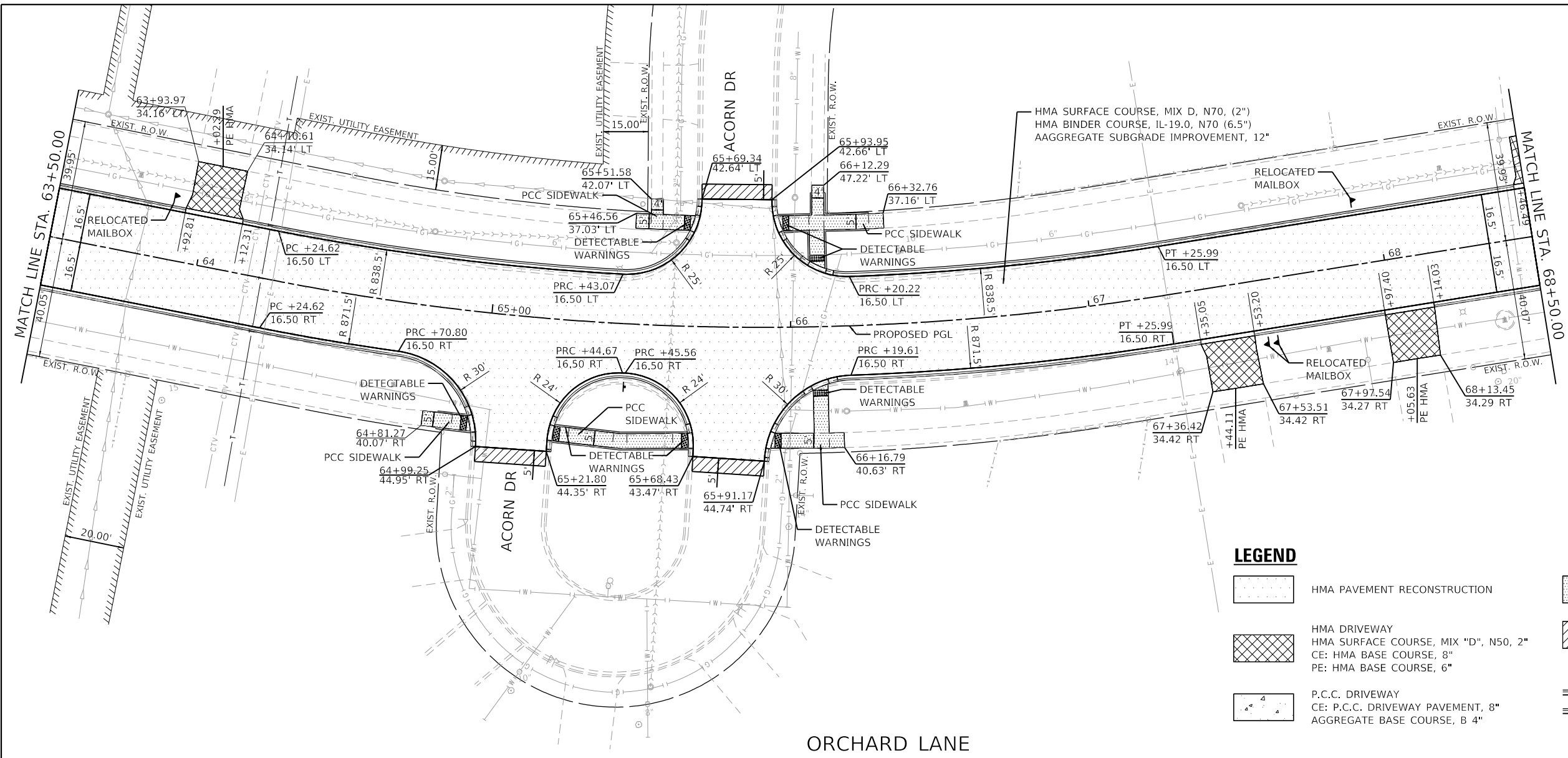
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	65
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



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

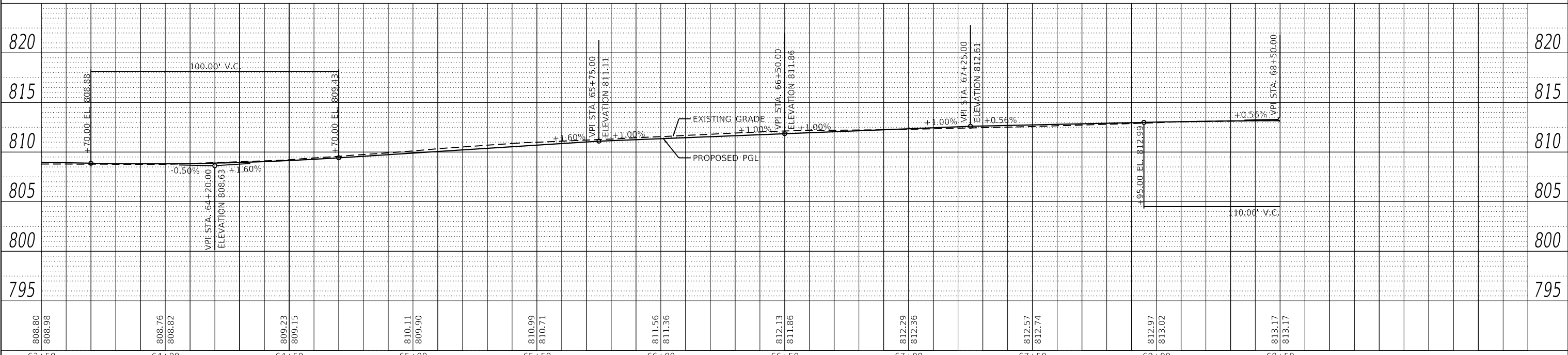
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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 FILE NAME: 4600-016-shh-plnprf 12.dgn



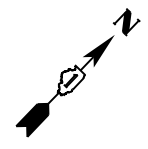
**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER

**ORCHARD LANE**



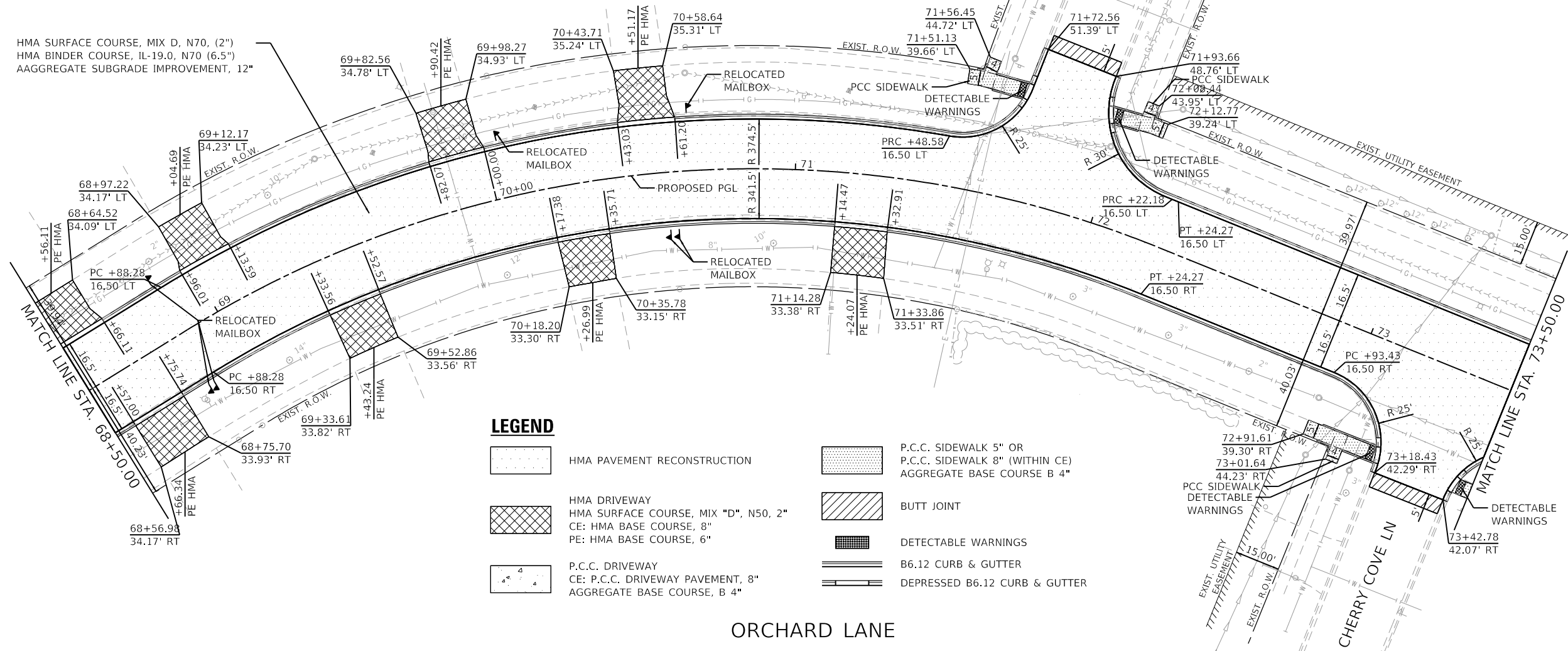
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4600-016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			MUN. RTE.	CONTRACT NO. 61F65				
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -			SCALE: 1"=20'	SHEET 12 OF 15 SHEETS	STA. 63+50.00 TO STA. 68+50.00	1061	ILLINOIS	FED. AID PROJECT



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

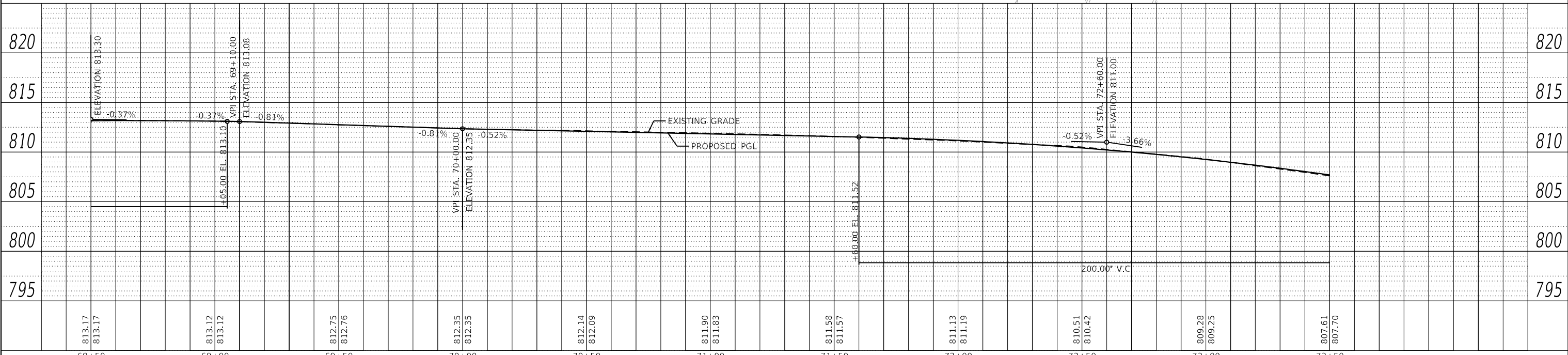
HMA SURFACE COURSE, MIX D, N70, (2")  
 HMA BINDER COURSE, IL-19.0, N70 (6.5")  
 AAGGREGATE SUBGRADE IMPROVEMENT, 12"



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER

**ORCHARD LANE**



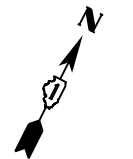
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 13 OF 15 SHEETS
STA. 68+50.00	TO STA. 73+50.00

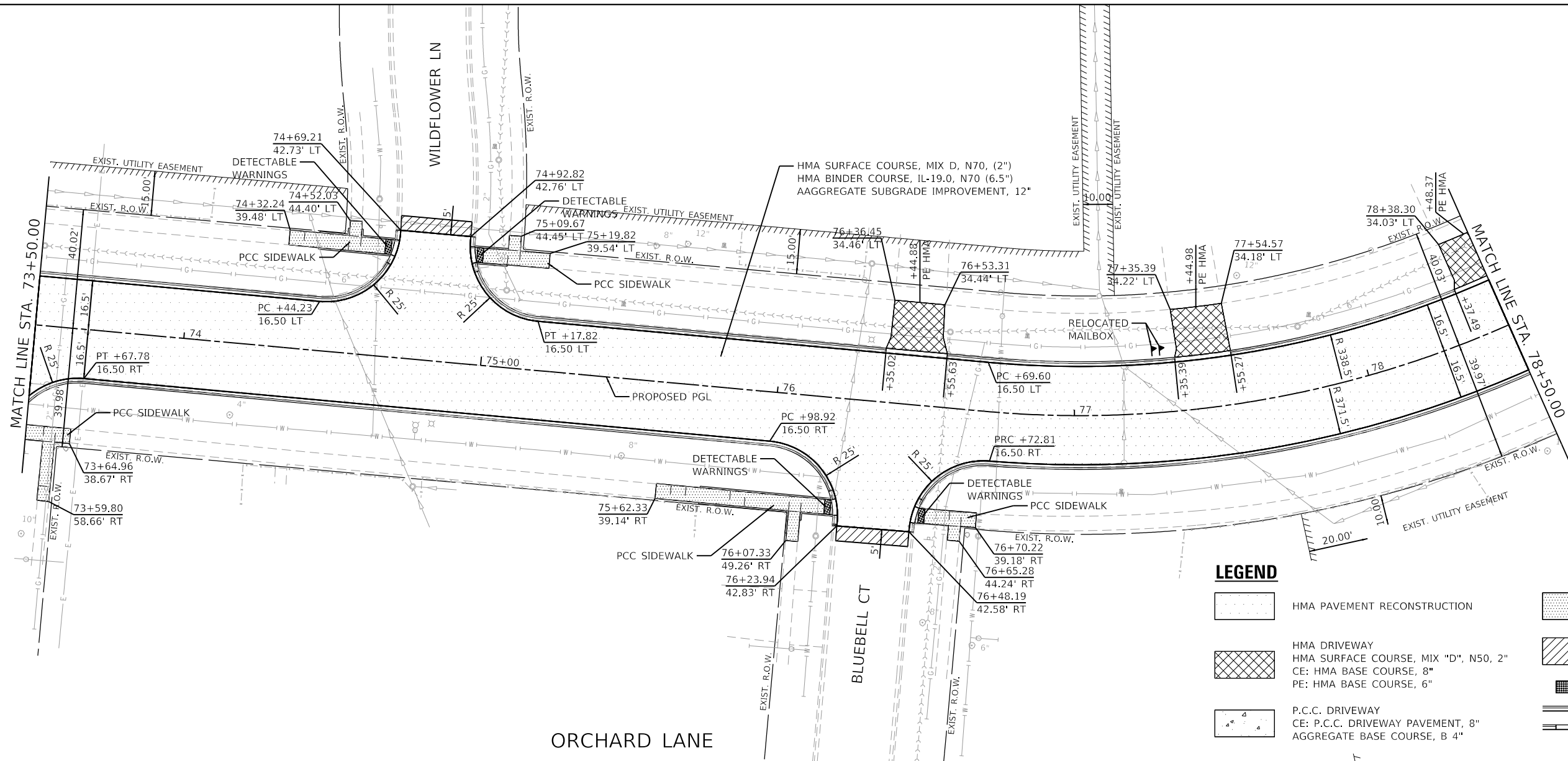
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	67
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

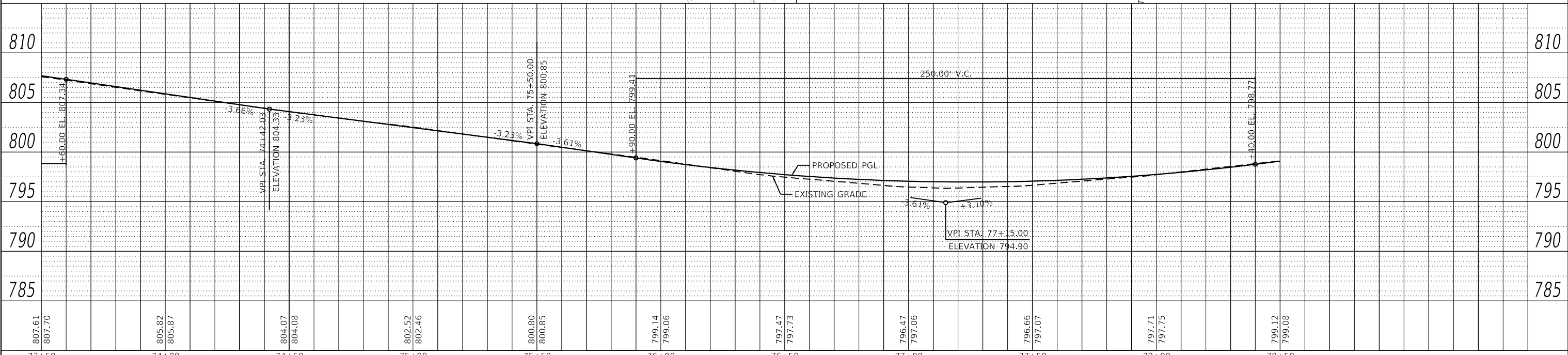
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-sht-plnprf 14.dgn



**LEGEND**

- HMA PAVEMENT RECONSTRUCTION
- HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
- P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
- P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER



FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
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4600-016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -

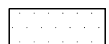
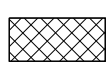
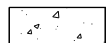

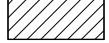

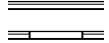

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
 ORCHARD LANE**

SCALE: 1"=20' SHEET 14 OF 15 SHEETS STA. 73+50.00 TO STA. 78+50.00

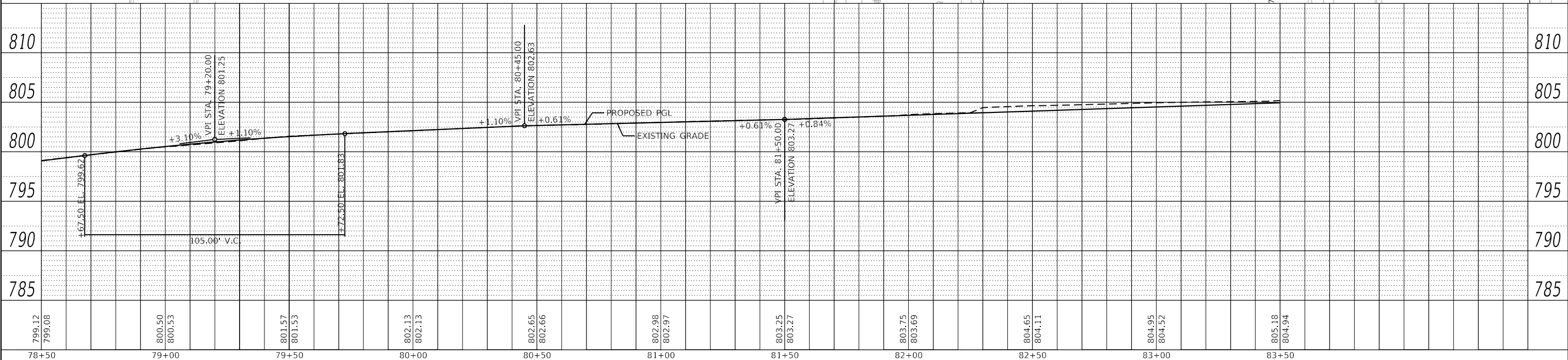
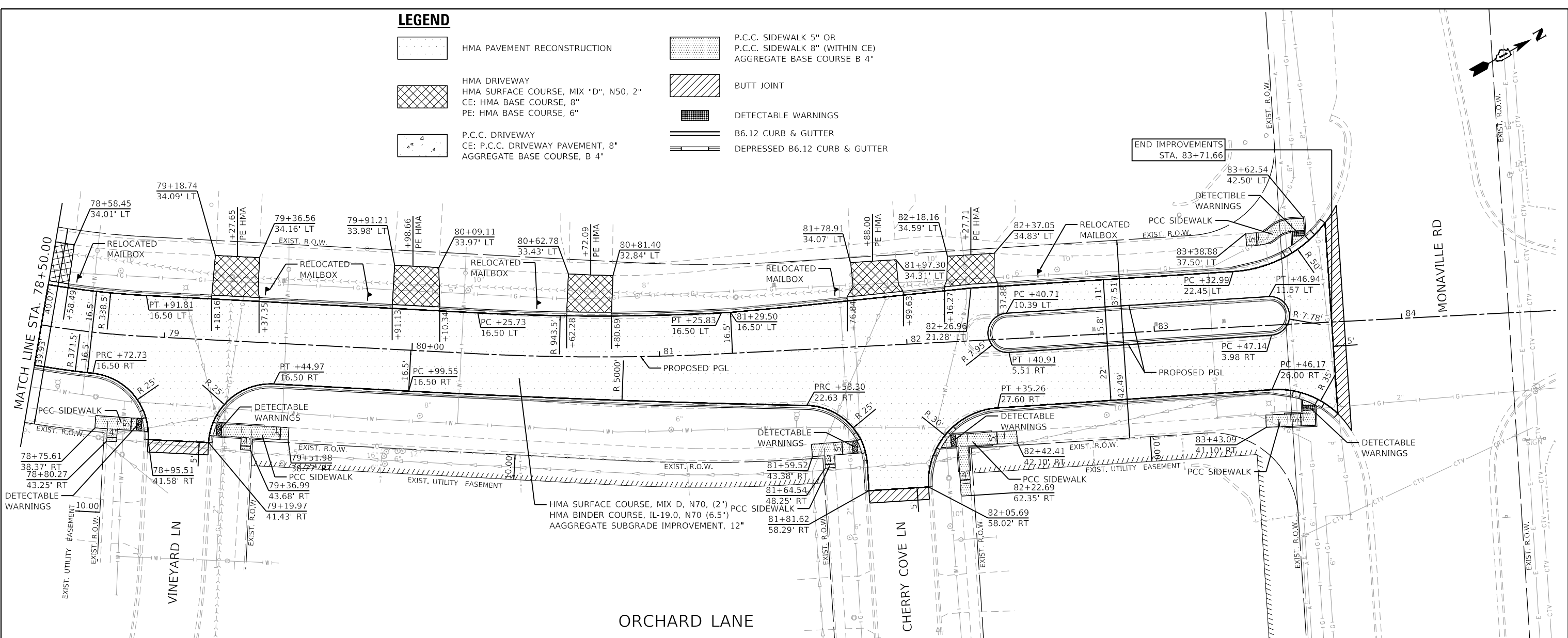
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	68
MUN. RTE.				
				CONTRACT NO. 61F65
1061		ILLINOIS	FED. AID PROJECT	

**LEGEND**

-  HMA PAVEMENT RECONSTRUCTION
-  HMA DRIVEWAY  
HMA SURFACE COURSE, MIX "D", N50, 2"  
CE: HMA BASE COURSE, 8"  
PE: HMA BASE COURSE, 6"
-  P.C.C. DRIVEWAY  
CE: P.C.C. DRIVEWAY PAVEMENT, 8"  
AGGREGATE BASE COURSE, B 4"
-  P.C.C. SIDEWALK 5" OR  
P.C.C. SIDEWALK 8" (WITHIN CE)  
AGGREGATE BASE COURSE B 4"
-  BUTT JOINT
-  DETECTABLE WARNINGS
-  B6.12 CURB & GUTTER
-  DEPRESSED B6.12 CURB & GUTTER

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-shh-plnprf 15.dgn

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
4600-016-shh-plnprf 15.dgn	pswiatek	MJV	-
4600-016-041		DRAWN -	REVISED -
Default		PJS	-
		CHECKED -	REVISED -
		KLB	-
		DATE -	REVISED -
		2/13/2019	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>ORCHARD LANE</b>	
SCALE: 1"=20'	SHEET 15 OF 15 SHEETS
STA. 78+50.00	TO STA. 84+00.00








F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MUN. RTE.	CONTRACT NO.		61F65	
1061	ILLINOIS	FED. AID PROJECT		

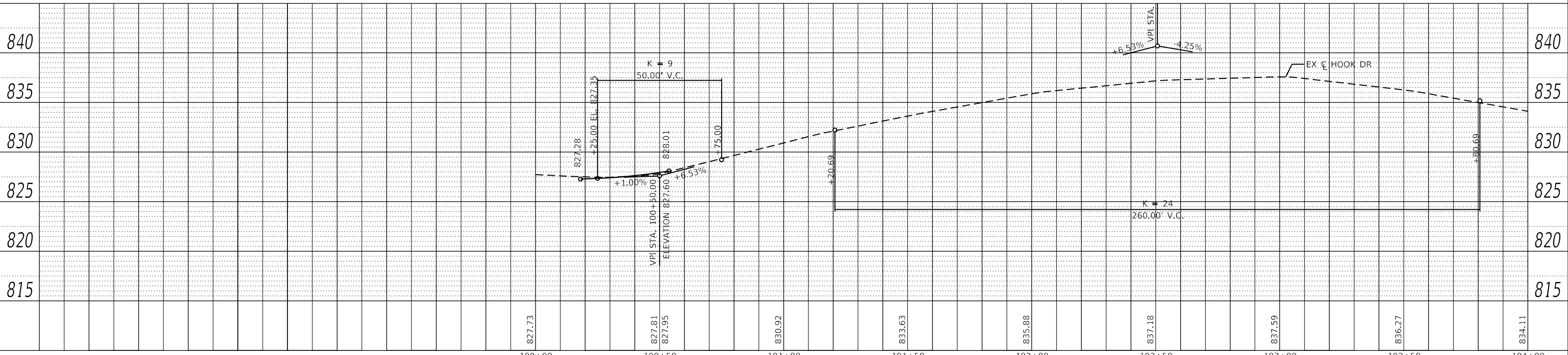
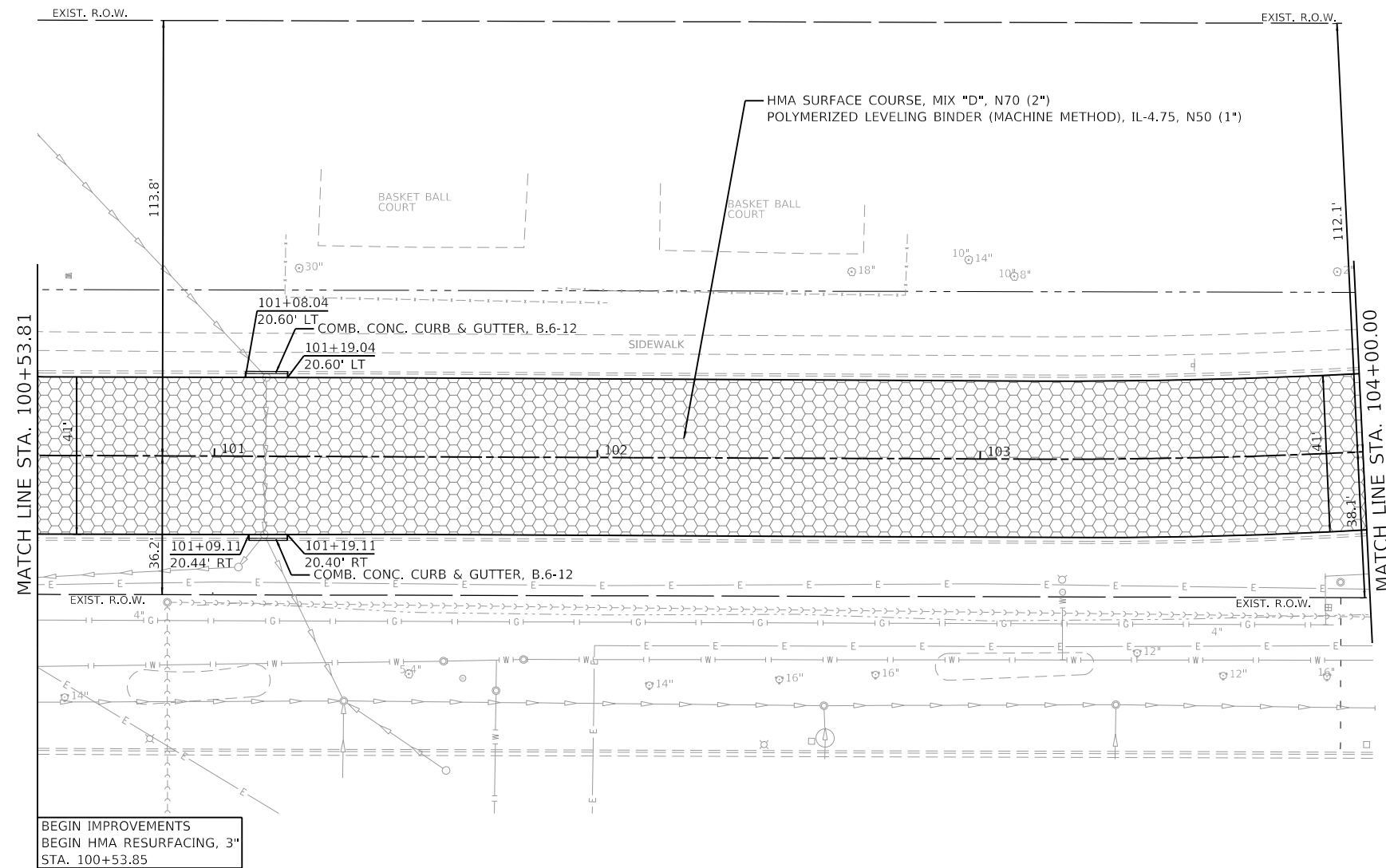
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	PLOTTED	
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	CADD FILE NAME	

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf 1.dgn

**LEGEND**

-  PAVEMENT RESURFACING
-  BUTT JOINT
-  P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
-  DETECTABLE WARNINGS
-  HMA SHARED USE PATH
-  B6.12 CURB & GUTTER
-  DEPRESSED B6.12 CURB & GUTTER



FILE NAME =	USER NAME = pswiatek	DESIGNED - MJV	REVISED -
4600-041-sht-plnprf 1.dgn		DRAWN - PJS	REVISED -
4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>HOOK DRIVE</b>	
SCALE: 1"=20'	SHEET 1 OF 11 SHEETS
STA. 100+00	TO STA. 104+00.00

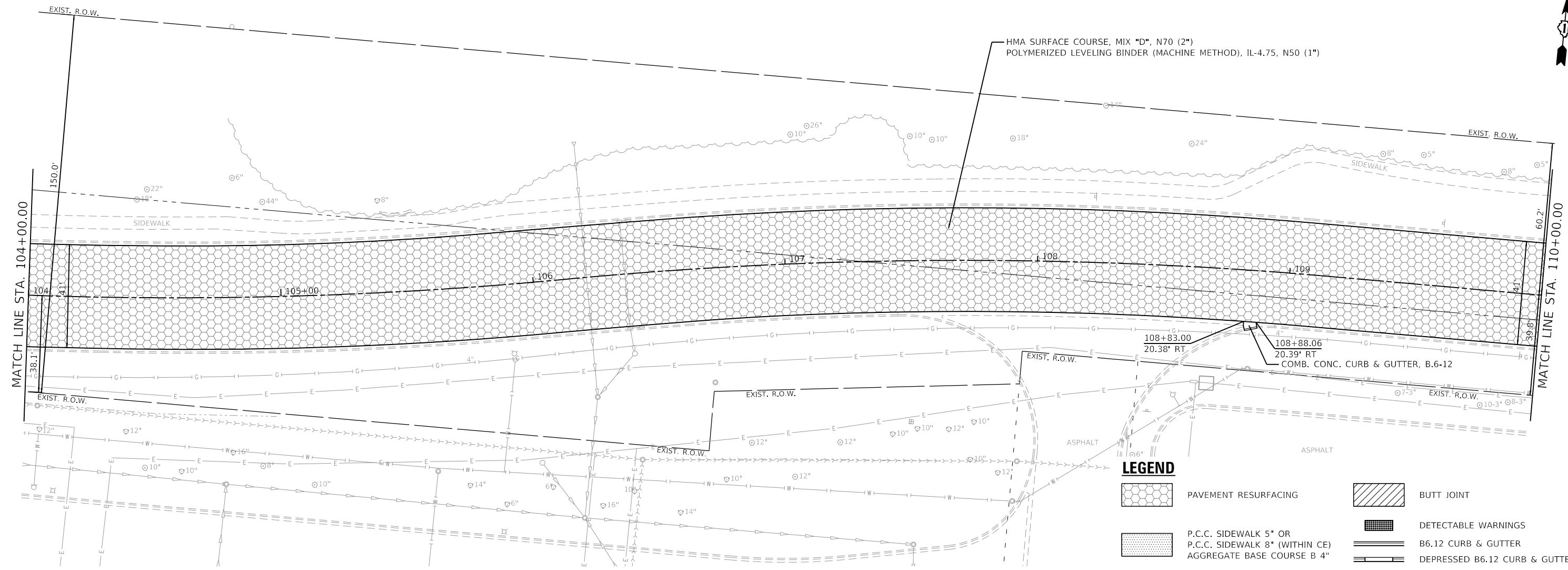
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	70
MUN. RTE.				
1061				
ILLINOIS		FED. AID PROJECT		





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

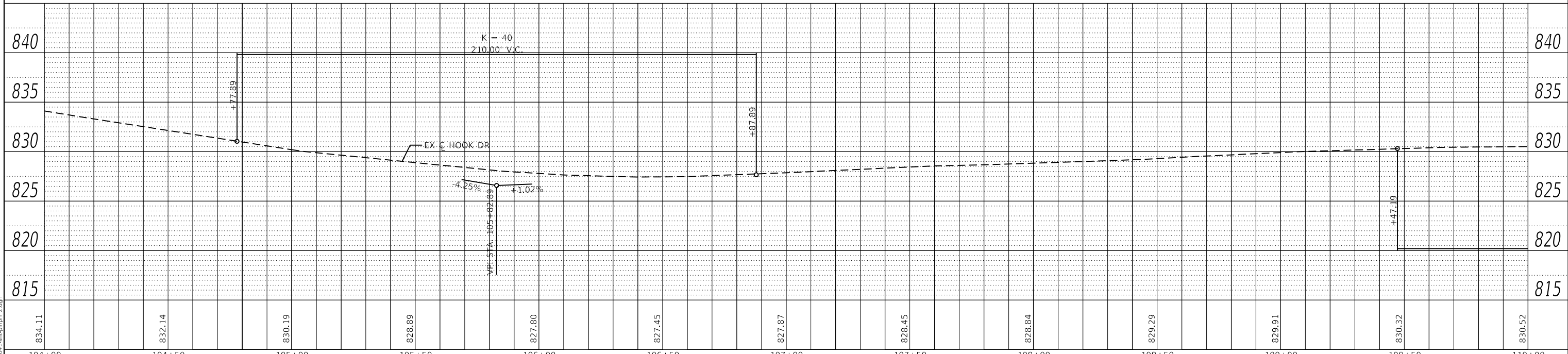
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	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	FILE NO.	



HOOK DRIVE

LEGEND

- PAVEMENT RESURFACING
- BUTT JOINT
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- HMA SHARED USE PATH



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
HOOK DRIVE

FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600-041-sht-plnprf 2.dgn		DRAWN - PJS	REVISED -
4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -
	PLOT DATE = 2/12/2019		

SCALE: 1"=20'	SHEET 2 OF 11 SHEETS	STA. 104+00.00 TO STA. 110+00.00	F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 71
			MUN. RTE. 1061		CONTRACT NO. 61F65		
					ILLINOIS FED. AID PROJECT		

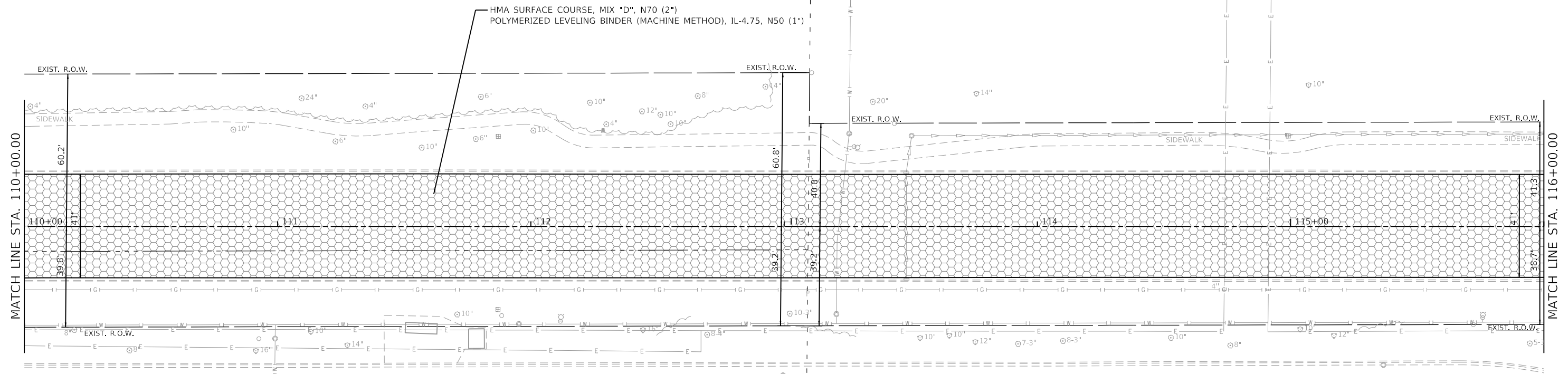


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NOTE BOOK NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	

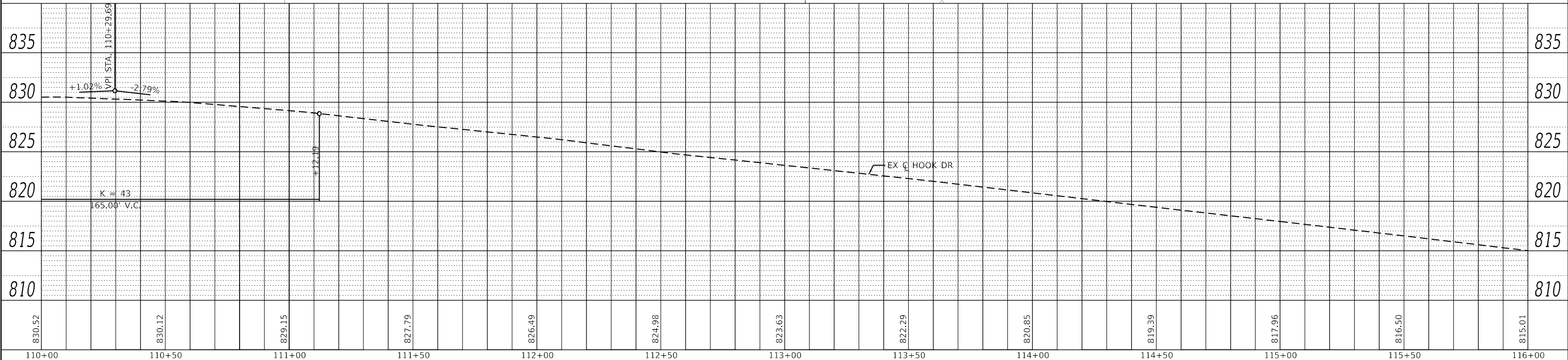


MODEL: Default  
FILE NAME: 4600-041-sht-plnprf 3.dgn



**LEGEND**

- PAVEMENT RESURFACING
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
- HMA SHARED USE PATH
- BUTT JOINT
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE  
HOOK DRIVE**

FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
4600-041-sht-plnprf 3.dgn		DRAWN - PJS	REVISED -
4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -
		PLOT DATE = 2/12/2019	

SCALE: 1"=20'	SHEET 3 OF 11 SHEETS	STA. 110+00.00 TO STA. 116+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	72
MUN. RTE.				
1061				
		CONTRACT NO.	61F65	
		ILLINOIS	FED. AID PROJECT	

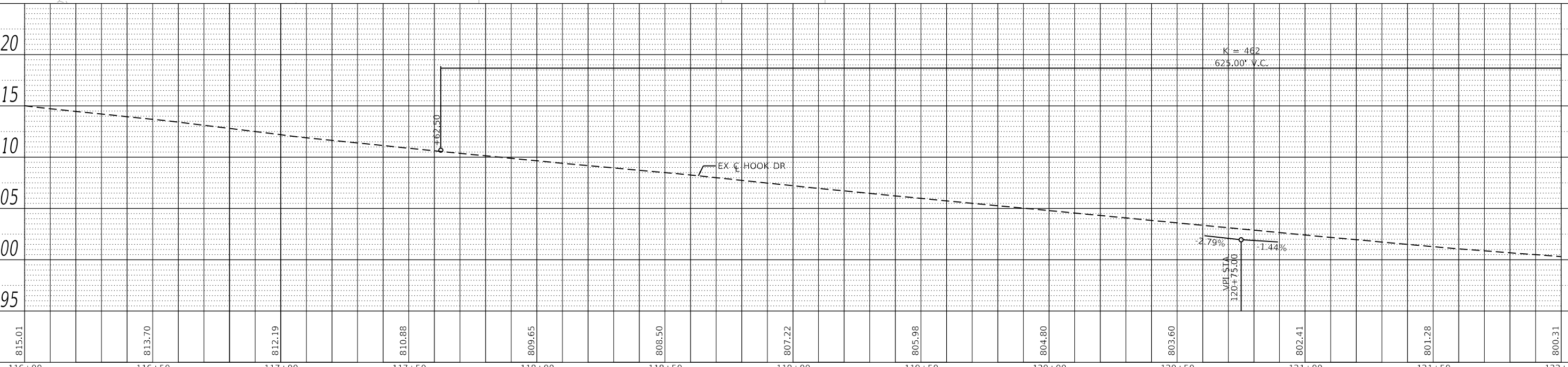
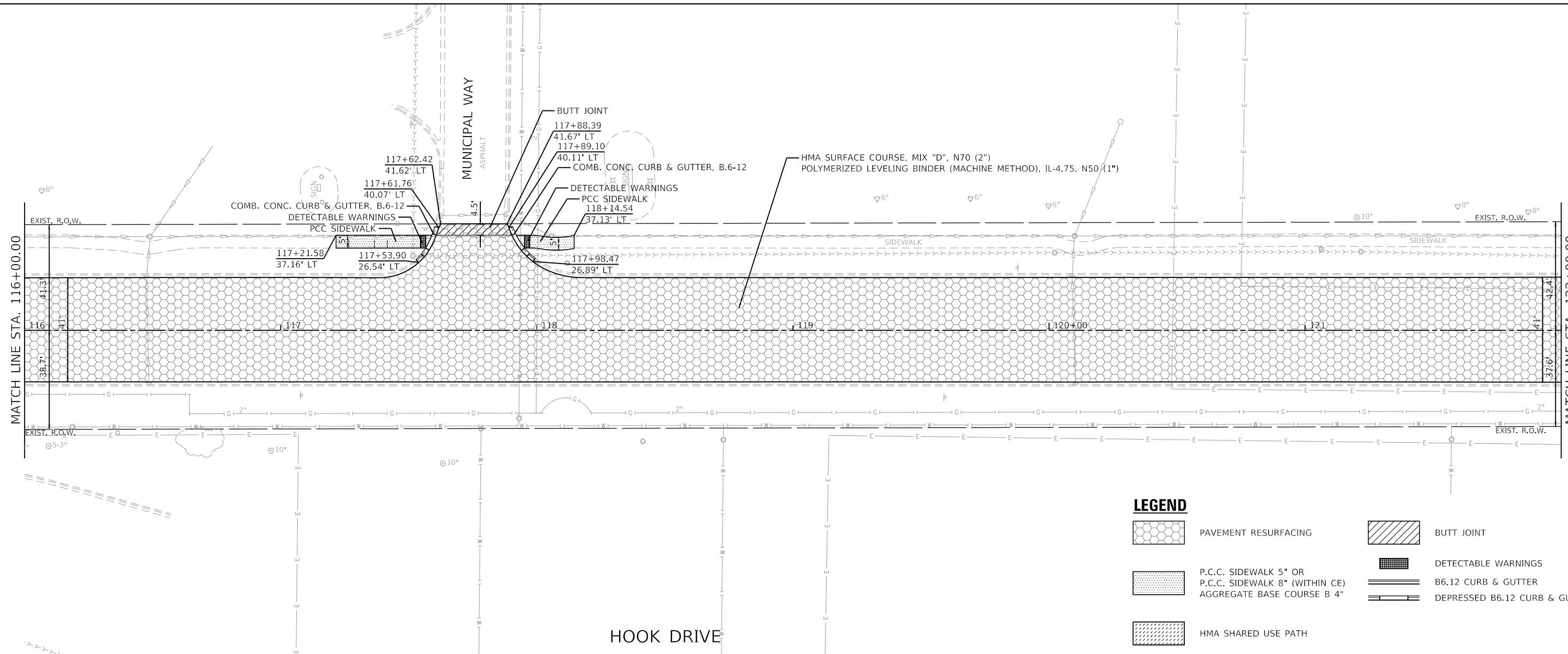




PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHECKED	
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**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf 4.dgn



**LEGEND**








- PAVEMENT RESURFACING
- BUTT JOINT
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
- DETECTABLE WARNINGS
- HMA SHARED USE PATH
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER

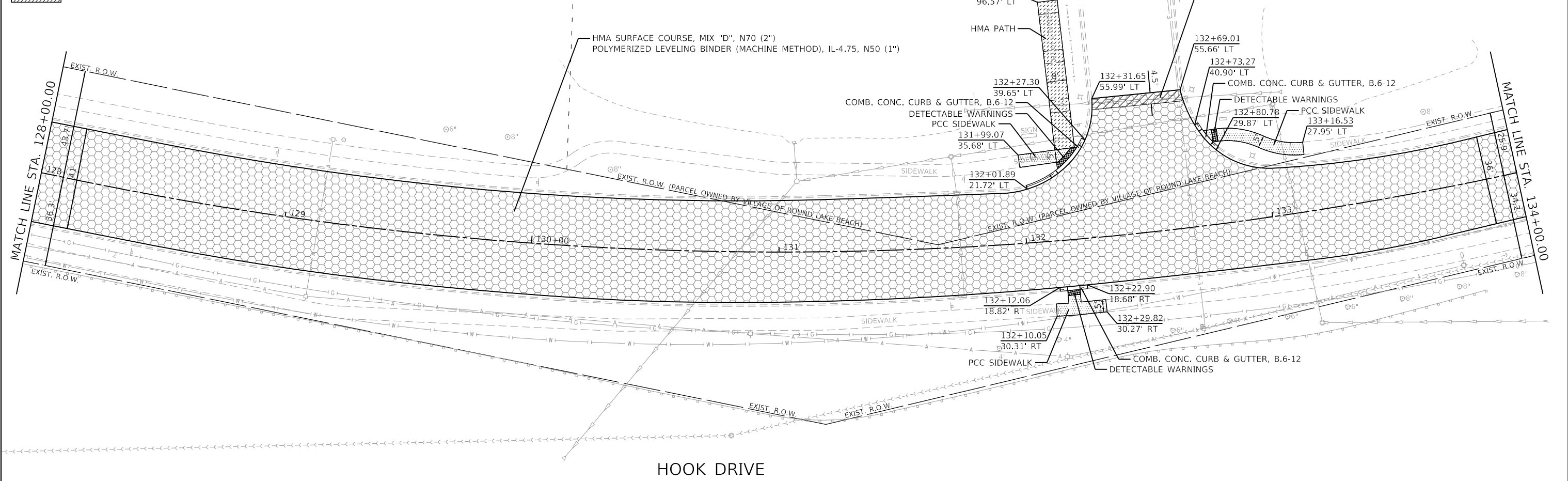
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4600.016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			MUN. RTE. = 1061		CONTRACT NO. = 61F65			
Default	PLOT DATE = 2/12/2019	DATE = 2/13/2019	REVISED -			SCALE: 1"=20'	SHEET 4 OF 11 SHEETS	STA. 116+00.00 TO STA. 122+00.00	ILLINOIS	FED. AID PROJECT	



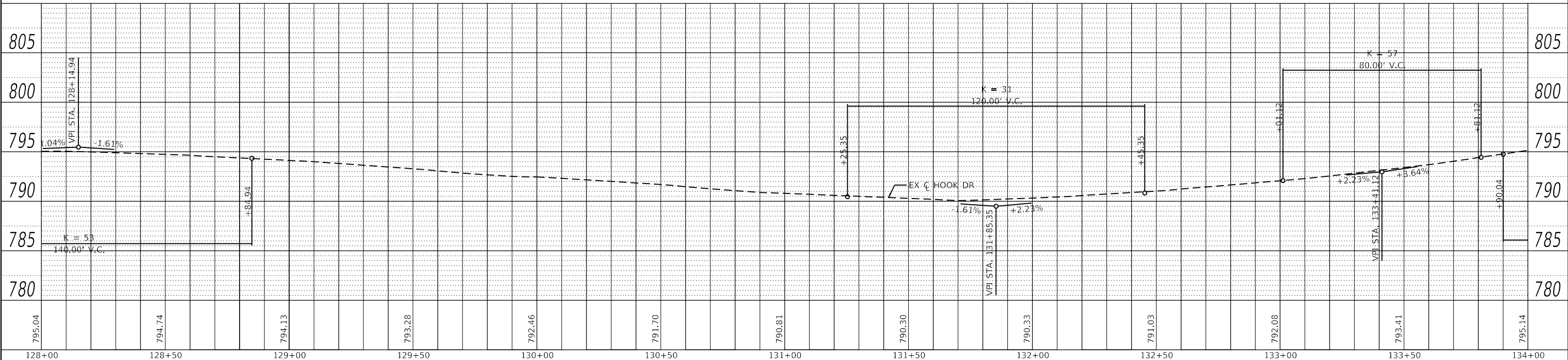


**LEGEND**

-  PAVEMENT RESURFACING
-  BUTT JOINT
-  P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
-  DETECTABLE WARNINGS
-  B6.12 CURB & GUTTER
-  DEPRESSED B6.12 CURB & GUTTER
-  HMA SHARED USE PATH



HOOK DRIVE



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

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-016-041-sht-plnprf 6.dgn

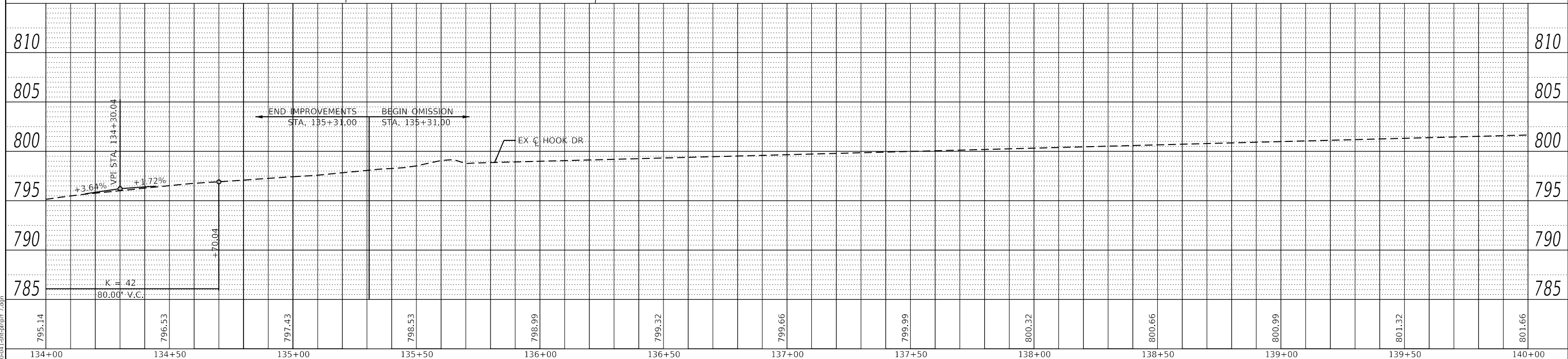
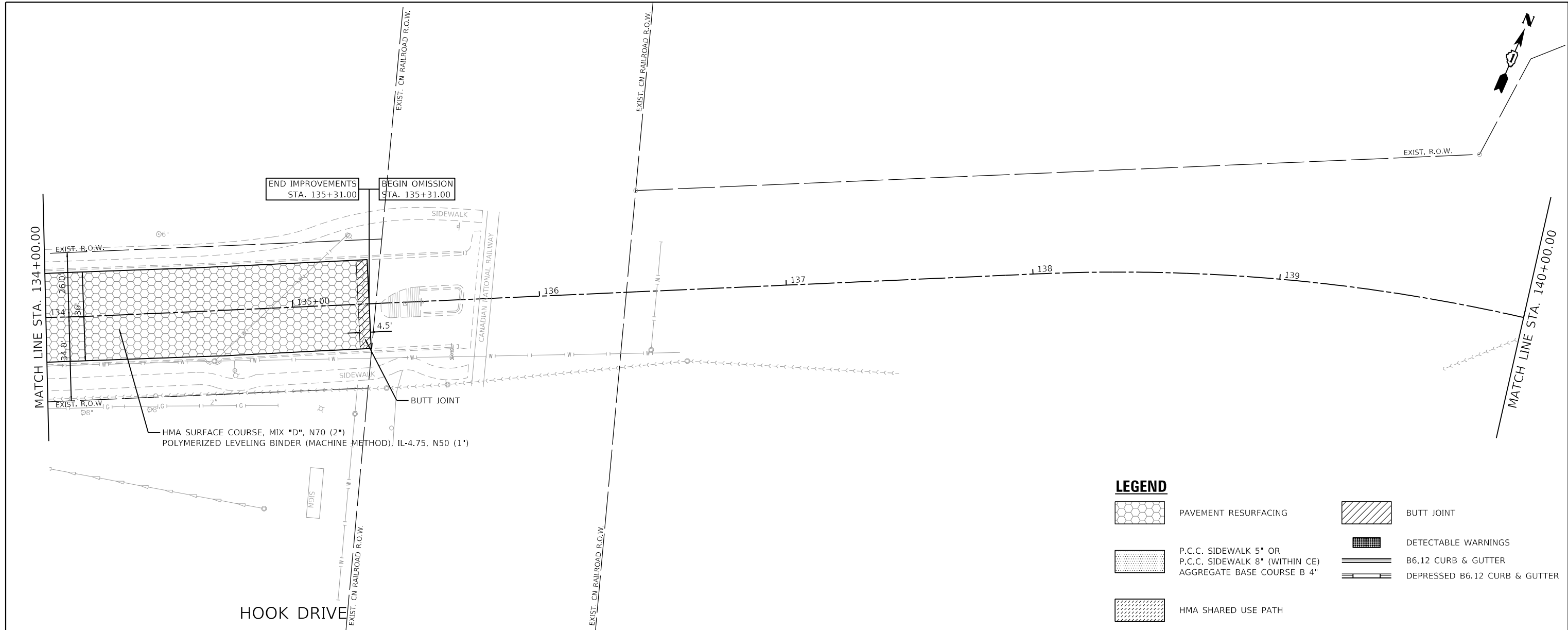
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4600-016-041	PLOT SCALE = 1:40	DRAWN - PJS	REVISED -			1048	15-00078-00-PV	LAKE	228	75
Default	PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -			MUN. RTE.				CONTRACT NO. 61F65
		DATE - 2/13/2019	REVISED -			1061		ILLINOIS	FED. AID PROJECT	

SCALE: 1"=20' SHEET 6 OF 11 SHEETS STA. 128+00.00 TO STA. 134+00.00

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHECKED	
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**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf 7.dgn



FILE NAME =	USER NAME = pswiatek
4600-041-sht-plnprf 7.dgn	DESIGNED - MIV
4600-016-041	DRAWN - PJS
Default	CHECKED - KLB
	DATE - 2/13/2019

DESIGNED - MIV	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

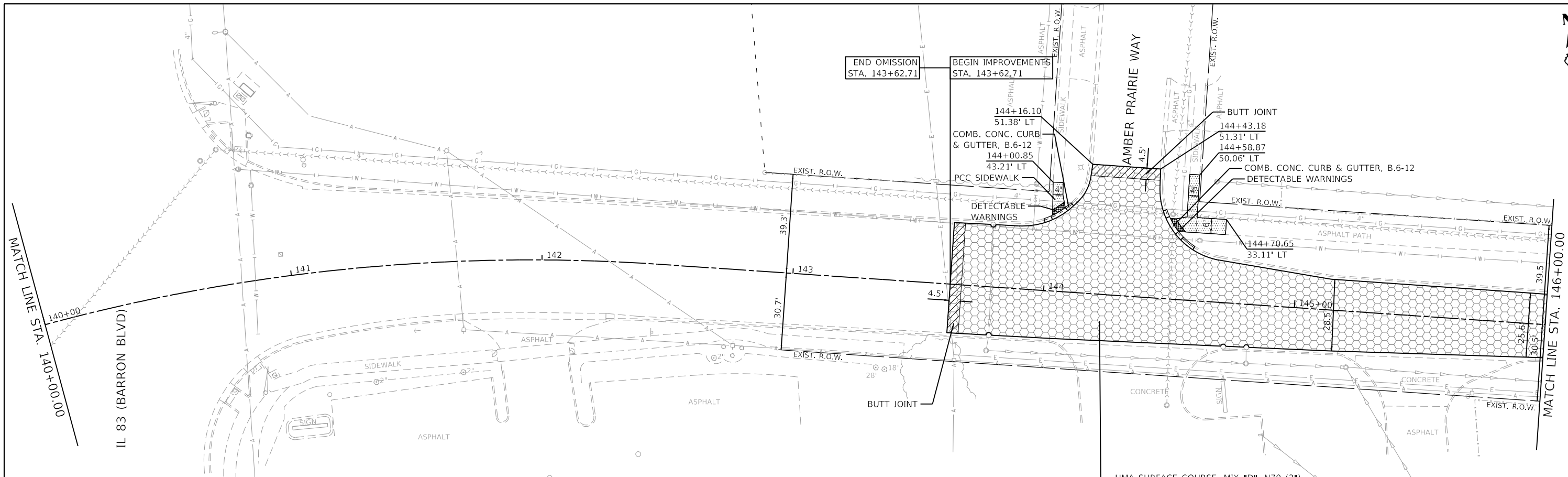
SCALE: 1"=20'		SHEET 7 OF 11 SHEETS		STA. 134+00.00 TO STA. 140+00.00	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	76
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
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	FILE NAME	

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	PLOTTED	BY
	GRADES	CHECKED
	NOTE BOOK	NO.
	FILE NAME	
	FILE NAME	

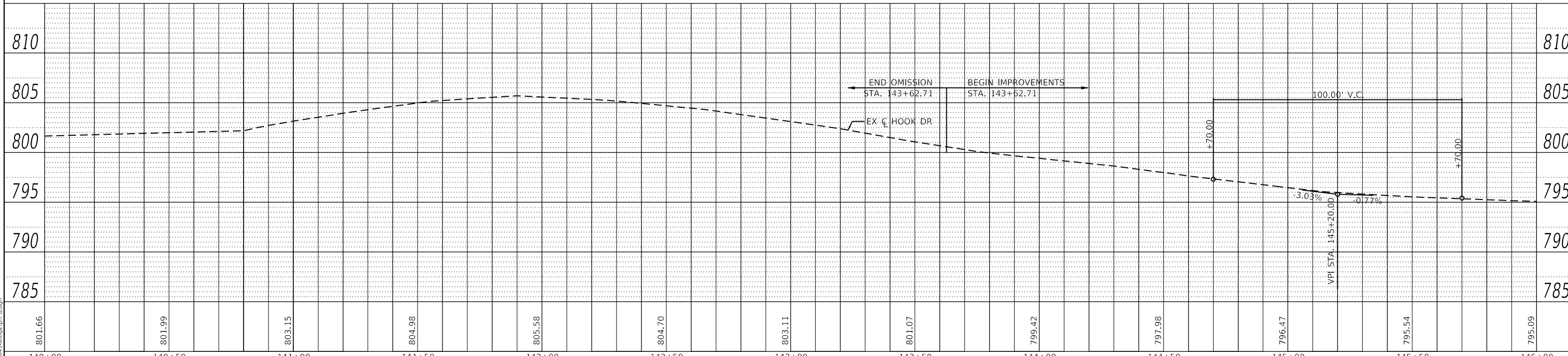
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf 8.dgn



**LEGEND**

- PAVEMENT RESURFACING
- BUTT JOINT
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- HMA SHARED USE PATH

**HOOK DRIVE**



FILE NAME = 4600-041-sht-plnprf 8.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE HOOK DRIVE</b>	F.A.U. RTE. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
4600-041-sht-plnprf 8.dgn	PLOT SCALE = 1:40	DRAWN - PJS	REVISED -			1048	15-00078-00-PV	LAKE	228	77
4600-016-041	PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -			MUN. RTE.				CONTRACT NO. 61F65
Default		DATE - 2/13/2019	REVISED -			1061		ILLINOIS	FED. AID PROJECT	

SCALE: 1"=20' SHEET 8 OF 11 SHEETS STA. 140+00.00 TO STA. 146+00.00

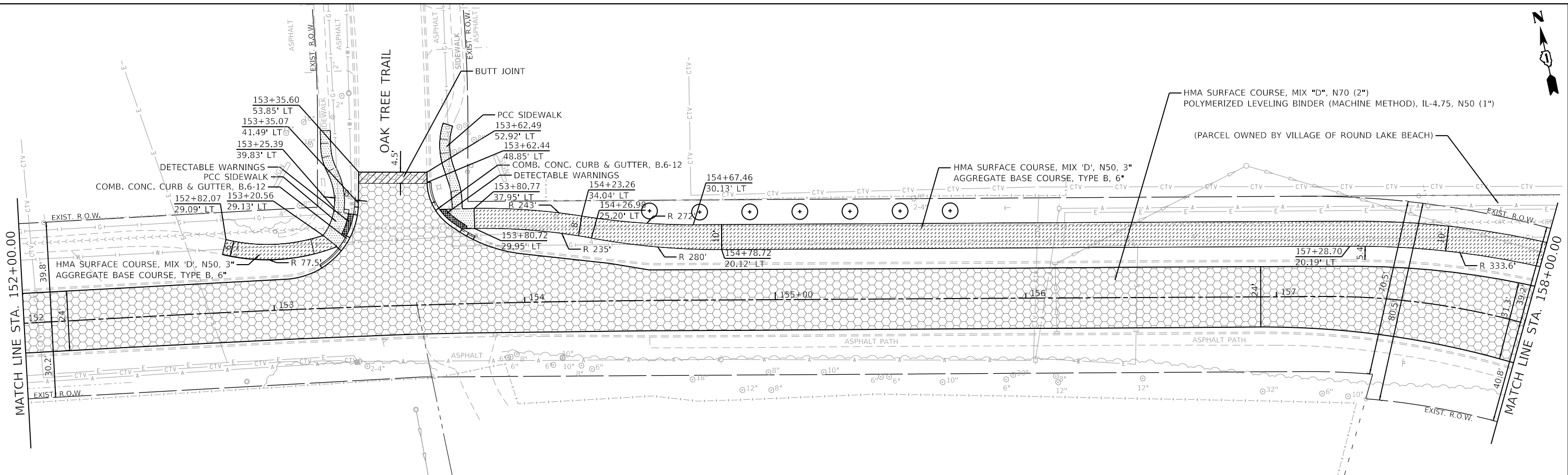




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	NOTE BOOK	
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	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
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	FILE NAME	

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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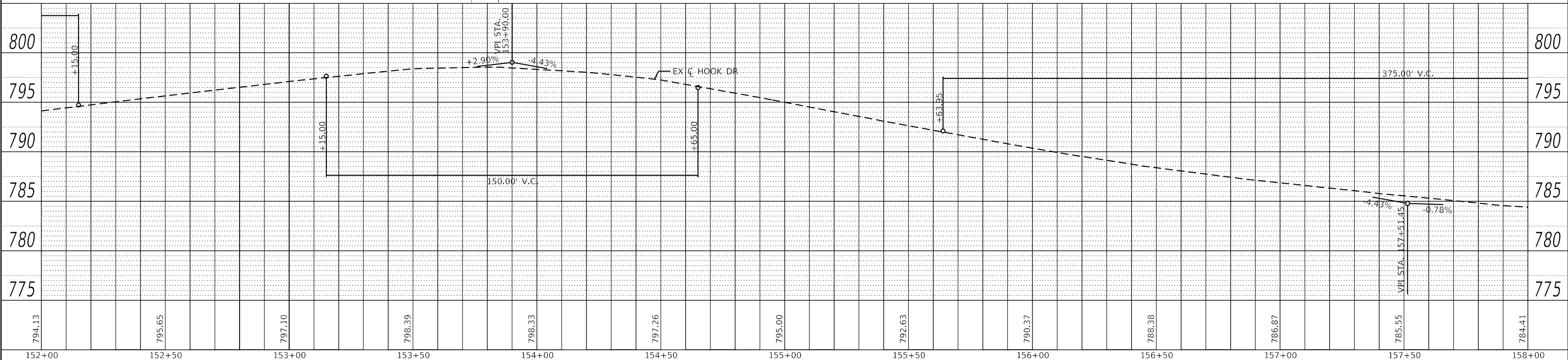


**NOTES:**

- 1) SEE LANDSCAPING, SOIL SEDIMENT AND EROSION CONTROL PLAN FOR PROPOSED TREE INFORMATION.

**LEGEND**

- PAVEMENT RESURFACING
- BUTT JOINT
- P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
- DETECTABLE WARNINGS
- B6.12 CURB & GUTTER
- DEPRESSED B6.12 CURB & GUTTER
- HMA SHARED USE PATH



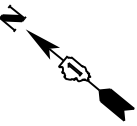
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE HOOK DRIVE**

SCALE: 1"=20' SHEET 10 OF 11 SHEETS STA. 152+00.00 TO STA. 158+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	79
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

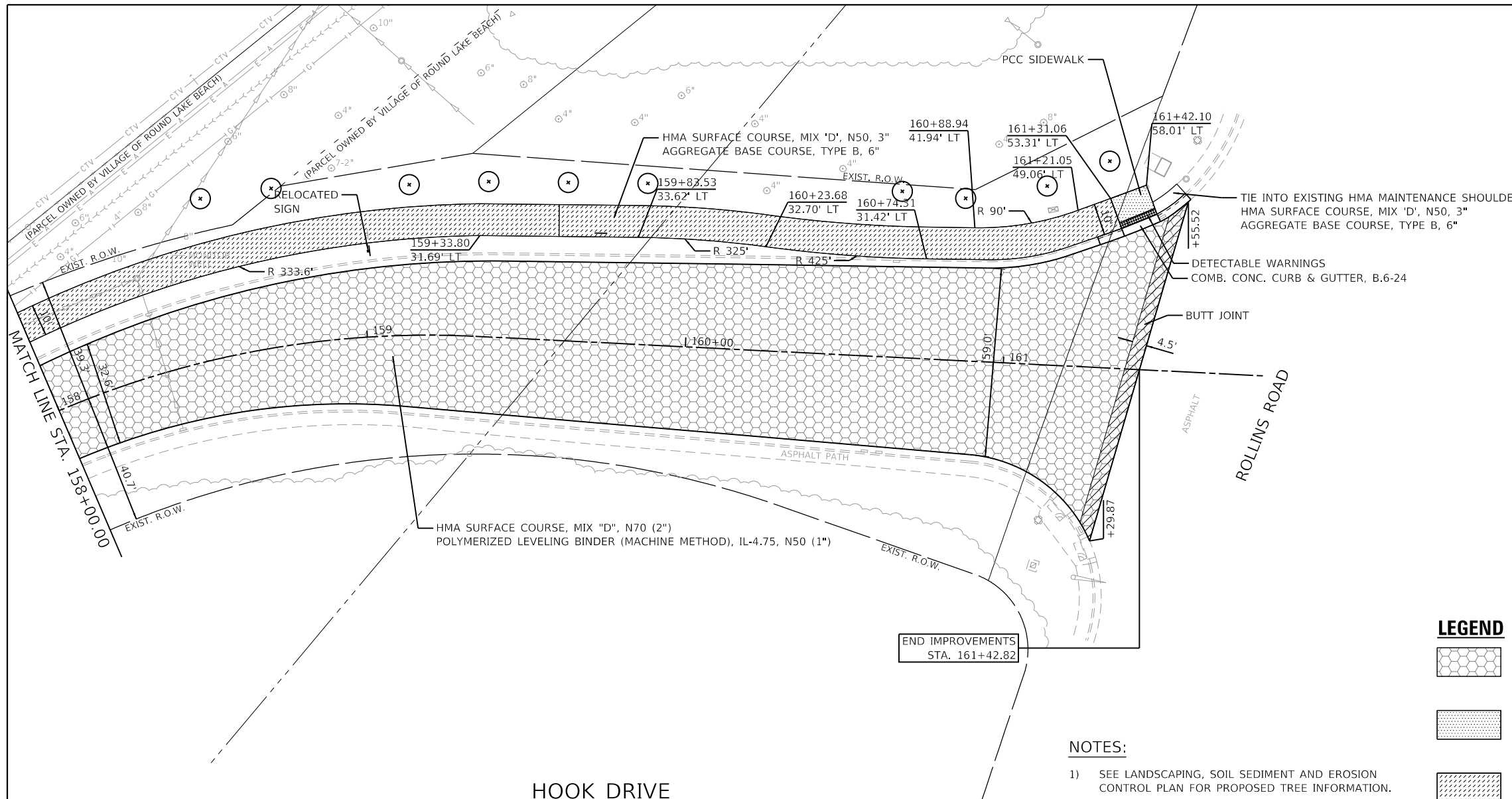
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4600-016-041		DRAWN -	REVISED -
Default		PJS	-
		CHECKED -	REVISED -
		KLB	-
		DATE -	REVISED -
		2/13/2019	-



DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
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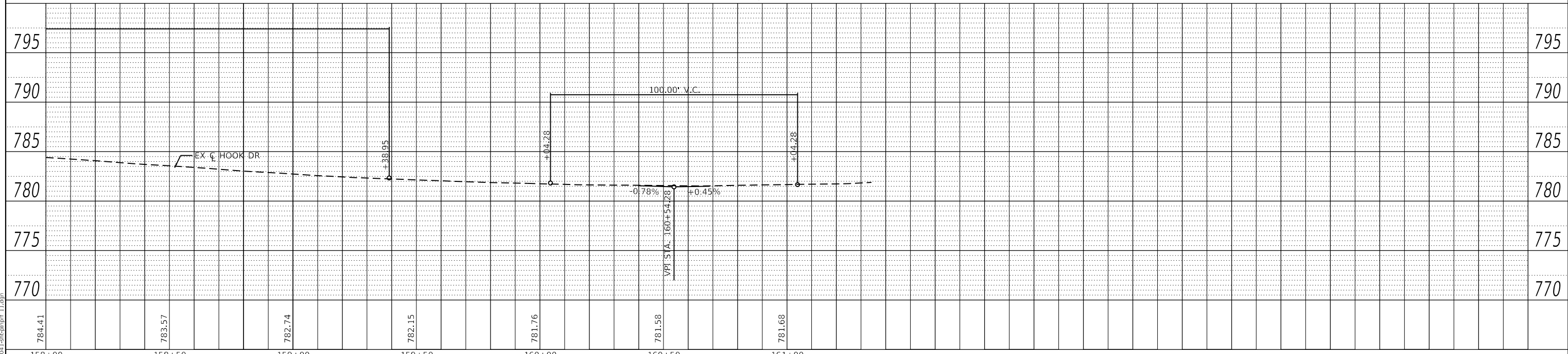
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf 11.dgn



**NOTES:**  
 1) SEE LANDSCAPING, SOIL SEDIMENT AND EROSION CONTROL PLAN FOR PROPOSED TREE INFORMATION.

**LEGEND**

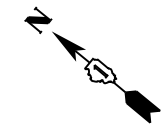
	PAVEMENT RESURFACING		BUTT JOINT
	P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"		DETECTABLE WARNINGS
	HMA SHARED USE PATH		B6.12 CURB & GUTTER
			DEPRESSED B6.12 CURB & GUTTER



FILE NAME = 4600-041-sht-plnprf 11.dgn	USER NAME = pswiatek	DESIGNED - MIV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE HOOK DRIVE</b>		F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 80
4600.016-041	PLOT SCALE = 1:40	DRAWN - PJS	REVISED -		SCALE: 1"=20'	SHEET 11 OF 11 SHEETS	STA. 158+00.00 TO STA. 161+81.72	MUN. RTE. 1061	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61F65
Default	PLOT DATE = 2/12/2019	CHECKED - KLB	REVISED -								
		DATE - 2/13/2019	REVISED -								



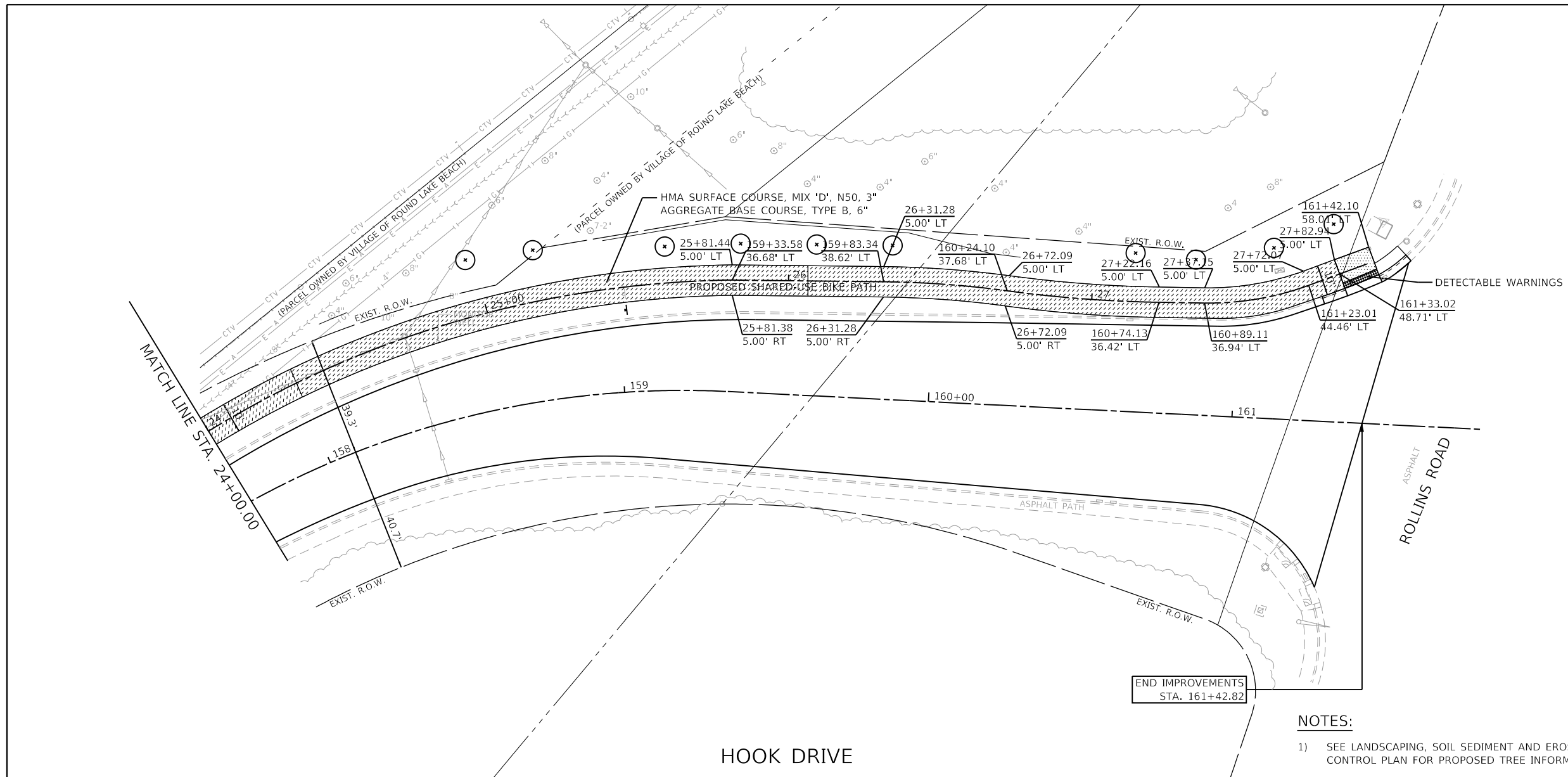




PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNED	CHECKED
	NO.	
CADD FILE NAME		

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES	CHECKED
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STRUCTURE NOTATIONS CHECKED		

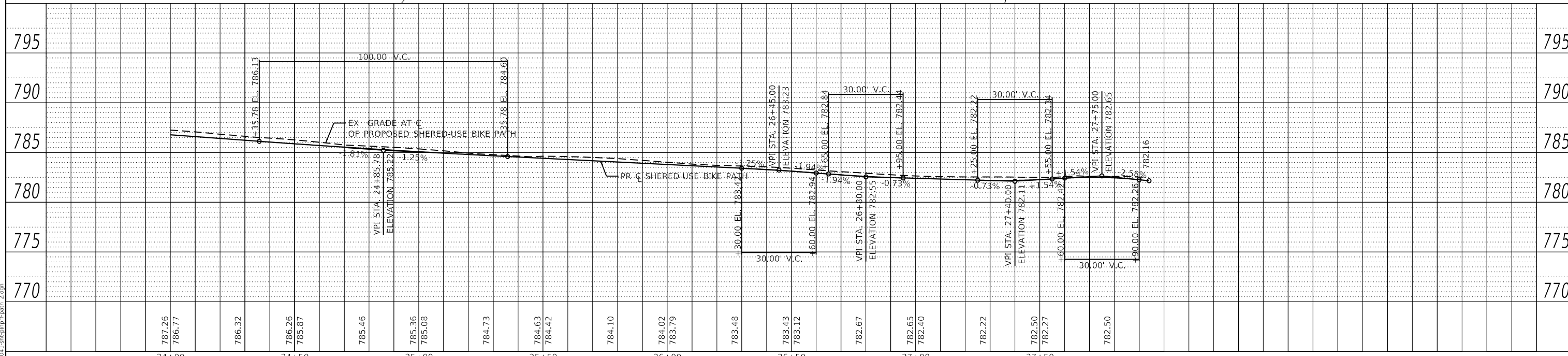
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE NAME: 4600-041-sht-plnprf-path 2.dgn



**LEGEND**

	P.C.C. SIDEWALK 5" OR P.C.C. SIDEWALK 8" (WITHIN CE) AGGREGATE BASE COURSE B 4"
	HMA SHARED USE PATH
	DETECTABLE WARNINGS
	B6.12 CURB & GUTTER
	DEPRESSED B6.12 CURB & GUTTER

**NOTES:**  
 1) SEE LANDSCAPING, SOIL SEDIMENT AND EROSION CONTROL PLAN FOR PROPOSED TREE INFORMATION.



FILE NAME = 4600-041-sht-plnprf-path 2.dgn	USER NAME = pswiatek	DESIGNED - MJV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE HOOK DRIVE SHARED-USE PATH</b>	F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 82		
4600.016-041	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			MUN. RTE.	CONTRACT NO. 61F65					
Default	PLOT DATE = 2/12/2019	DATE - 2/13/2019	REVISED -			SCALE: 1"=20'	SHEET 1 OF 2 SHEETS	STA. 24+00.00 TO STA. 27+82.94	ILLINOIS	FED. AID PROJECT		

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

1. NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND AS SHOWN ON THE PLANS.
2. THE PERMANENT TRAFFIC CONTROL SHOWN ON THE PLANS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE ABOVE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE LUMP SUM PAY ITEM TRAFFIC CONTROL AND PROTECTION (SPECIAL) UNLESS OTHERWISE SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS.
3. ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE WARNING SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS ON FLUORESCENT ORANGE REFLECTIVE SHEETING.
4. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
5. "ROAD WORK AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
6. THE CONTRACTOR SHALL USE LEG EXTENSIONS FOR TYPE II BARRICADES OR PROVIDE A 2 FT WIDTH EARTH FILL PAD FOR DRUMS TO MEET MINIMUM BARRICADE HEIGHT (SEE STAGING TYPICAL CROSS SECTION SHEETS).
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE GRADE DIFFERENCE BETWEEN ADJACENT LANES SHALL BE LIMITED TO A MAXIMUM OF 1.5 INCHES. THE GRADE DIFFERENCE MAY BE INCREASED TO A MAXIMUM OF 3 INCHES WITH EITHER A 3:1 OR FLATTER SLOPE IS PROVIDED BETWEEN LANES OR WRITTEN APPROVAL FROM THE ENGINEER.
8. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION SHALL BE DUE TO THE CONTRACTOR IF A MODIFIED PLAN IS PROPOSED.
9. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS.
10. ALL CONSTRUCTION EQUIPMENT, MATERIALS, TRAFFIC CONTROL DEVICES, AND TEMPORARY SIGNING SHALL BE REMOVED FROM THE PROJECT LIMITS DURING THE WINTER SHUTDOWN PERIOD BETWEEN STAGE 2 AND STAGE 3.
11. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
12. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
13. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
14. ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.
15. TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM WITH MUTCD GUIDELINES.
16. THE LAKE COUNTY DIVISION OF TRANSPORTATION SHALL BE CONTACTED AT (847) 377-7400 AND NOTIFIED BEFORE ANY STAGE CHANGES WHICH MAY IMPACT THE ORCHARD LANE AT ROLLINS ROAD TRAFFIC SIGNAL.
17. FLAGGER AND WORKER SIGNS SHALL BE COVERED OR REMOVED WHEN FLAGGERS OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

**MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)**

18. ACCESS SHALL BE MAINTAINED TO SIDE STREETS, PRIVATE PROPERTY, AND COMMERCIAL PROPERTY AT ALL TIMES DURING CONSTRUCTION.
19. ANY PAVEMENT REMOVAL REQUIRED FOR THE INSTALLATION OF PROPOSED STORM SEWER LATERALS AND CULVERTS DURING TEMPORARY LANE CLOSURES MUST BE REPAIRED WITH TEMPORARY PAVEMENT, A STEEL PLATE, OR A PERMANENT PAVEMENT PATCH PRIOR TO REOPENING THE CLOSED LANE TO TRAFFIC.
20. PRIOR TO WINTER SHUTDOWN, THE CONTRACT SHALL PERFORM WORK OUTSIDE OF THE LIMITS OF STAGES 1 AND 2 ONLY AT THE ENGINEER'S APPROVAL.
21. ALL STAGE 1 AND STAGE 2 WORK ON ORCHARD LANE AND HOOK DRIVE MAY OCCUR CONCURRENTLY.
22. ALL STAGE 3 AND STAGE 4 WORK ON ORCHARD LANE AND HOOK DRIVE MAY OCCUR CONCURRENTLY.
23. NO WORK SHALL COMMENCE ON HOOK DRIVE EAST OF STA. 126+00 PRIOR TO MONDAY, JULY 1, 2019.
24. AFTER MILLING, THE CONTRACTOR SHALL PLACE A TYPE II BARRICADE OVER ALL EXISTING FRAMES AND GRATES, WITHIN THE HOOK DRIVE CURB AND GUTTER, WHICH PROTRUDE INTO THE PAVEMENT.
25. NO DROP-OFF GREATER THEN 2 FEET AND ADJACENT TO THE EDGE OF TRAVELED-WAY SHALL BE ALLOWED FOR A PERIOD LONGER THEN 48 HOURS. THE CONTRACTOR SHALL MAKE ALL EFFORTS TO REDUCE THIS DROP-OFF TO LESS THAN 2 FEET AT THE END OF EACH DAY.

**SEQUENCE OF CONSTRUCTION**

**PRESTAGE A - ORCHARD LANE**

**CONSTRUCTION**

- (1) REMOVE CURB AND GUTTER AND CONSTRUCT TEMPORARY PAVEMENT ALONG THE WEST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS.
- (2) INSTALL TRAFFIC CONTROL AND SIGNING FOR PRESTAGE A.
- (3) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ALONG THE EAST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS.
- (4) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (5) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS, PATCHING EXISTING PAVEMENT AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- (7) CONSTRUCT PROPOSED CURB AND GUTTER.
- (8) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (9) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (10) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (11) REMOVE AND RECONSTRUCT SIDEWALK WITHIN THE PRESTAGE A WORK ZONE IN ORDER TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (12) REMOVE CURB AND GUTTER AND CONSTRUCT TEMPORARY PAVEMENT ALONG THE EAST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS AND REQUIRED FOR THE REMAINING PRESTAGES AND STAGE 1.
- (13) INSTALL TEMPORARY RAMP AT THE NORTH PRESTAGE A LIMIT.

**MAINTENANCE OF TRAFFIC**

- (A) TEMPORARY PAVEMENT CONSTRUCTED UNDER TEMPORARY DAY-TIME LANE CLOSURE.
- (B) MAINTAIN NB AND SB TRAFFIC. TEMPORARY SHORT-TERM CLOSURES ARE ALLOWED DURING NON-PEAK HOURS AS NECESSITATED BY CONSTRUCTION OPERATIONS.
- (C) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (D) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**PRESTAGE B - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL TRAFFIC CONTROL AND SIGNING FOR PRESTAGE B.
- (2) REMOVE EXISTING PAVEMENT AS SHOWN IN THE PLANS.
- (3) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (4) REMOVE EXISTING STORM SEWER AS SHOWN IN THE PLANS.

**SEQUENCE OF CONSTRUCTION**

**PRESTAGE B - ORCHARD LANE (CONTINUED)**

- (5) INSTALL PROPOSED STORM SEWER AS SHOWN IN THE PLANS, PATCHING EXISTING PAVEMENT AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- (6) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (7) INSTALL TEMPORARY RAMP AT THE NORTH PRESTAGE B LIMIT.

**MAINTENANCE OF TRAFFIC**

- (A) MAINTAIN NB AND SB TRAFFIC. TEMPORARY SHORT-TERM CLOSURES ARE ALLOWED DURING NON-PEAK HOURS AS NECESSITATED BY CONSTRUCTION OPERATIONS.
- (B) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (C) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**PRESTAGE C - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL TRAFFIC CONTROL AND SIGNING FOR PRESTAGE C.
- (2) REMOVE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND CURB AND GUTTER ALONG THE WEST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS.
- (3) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (4) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (5) INSTALL REMAINING PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) CONSTRUCT PROPOSED CURB AND GUTTER.
- (7) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (8) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (9) REMOVE AND RECONSTRUCT SIDEWALK WITHIN THE PRESTAGE C WORK ZONE IN ORDER TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.

**MAINTENANCE OF TRAFFIC**

- (A) MAINTAIN NB AND SB TRAFFIC. TEMPORARY SHORT-TERM CLOSURES ARE ALLOWED DURING NON-PEAK HOURS AS NECESSITATED BY CONSTRUCTION OPERATIONS.
- (B) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (C) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**STAGE 1 - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL STAGE 1 DETOUR SIGNAGE AS SHOWN IN THE PLANS.
- (2) INSTALL STAGE 1 TRAFFIC CONTROL AND SIGNING AS SHOWN IN THE PLANS.
- (3) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS SHOWN IN THE PLANS.
- (4) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (5) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS, PATCHING EXISTING NB PAVEMENT AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- (7) CONSTRUCT PROPOSED CURB AND GUTTER.
- (8) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (9) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (10) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (11) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (12) INSTALL TEMPORARY RAMP AT THE NORTH STAGE 1 LIMIT.

**MAINTENANCE OF TRAFFIC**

- (A) THE INTERSECTION OF ROLLINS ROAD AND ORCHARD LANE SHALL MATCH THE FINAL PROPOSED LANE CONFIGURATION, MAINTAINING NB AND SB TRAFFIC AS SHOWN IN THE PLANS.
- (B) SHUT DOWN SB ORCHARD LANE TRAFFIC THROUGHOUT THE STAGE 1 WORK ZONE AS SHOWN IN THE PLANS.
- (C) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (D) MAINTAIN ACCESS TO ACRE COURT AT ALL TIMES.
- (E) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	83
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

**SEQUENCE OF CONSTRUCTION**

**STAGE 2 - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL STAGE 2 DETOUR SIGNAGE AND REMOVE CONFLICTING STAGE 1 DETOUR SIGNAGE AS SHOWN IN THE PLANS.
- (2) INSTALL STAGE 2 TRAFFIC CONTROL AND SIGNING AS SHOWN IN THE PLANS.
- (3) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS SHOWN IN THE PLANS.
- (4) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (5) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (7) REMOVE AND RECONSTRUCT SEGMENTAL BLOCK RETAINING WALL.
- (8) CONSTRUCT PROPOSED CURB AND GUTTER.
- (9) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (9) CONSTRUCT THE ORCHARD LANE AND HOOK DRIVE INTERSECTION IN THIRDS TO MAINTAIN TWO LANES OF TRAFFIC AT ALL TIMES.
- (10) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (11) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (12) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (13) REMOVE DETOUR SIGNING FOR WINTER SHUTDOWN AFTER ORCHARD LANE HAS BEEN REOPENED TO TWO-WAY TRAFFIC.
- (14) CONSTRUCT ALL HMA SURFACE COURSE WITHIN THE STAGE 1 AND STAGE 2 LIMITS USING TEMPORARY CLOSURES AFTER ORCHARD LANE HAS BEEN REOPENED TO TWO-WAY TRAFFIC.
- (15) INSTALL TEMPORARY RAMP AT THE NORTH PROJECT LIMIT FOR USE DURING WINTER SHUTDOWN.
- (16) PLACE ALL TOPSOIL AND SEEDING WITHIN THE STAGE 1 AND STAGE 2 LIMITS.
- (17) INSTALL FINAL PAVEMENT MARKINGS WITHIN THE STAGE 1 AND STAGE 2 LIMITS.
- (18) REMOVE ALL CONSTRUCTION EQUIPMENT, MATERIALS, TRAFFIC CONTROL DEVICES, AND TEMPORARY SIGNING FOR WINTER SHUTDOWN PERIOD.

**MAINTENANCE OF TRAFFIC**

- (A) THE INTERSECTION OF ROLLINS ROAD AND ORCHARD LANE SHALL MATCH THE FINAL PROPOSED LANE CONFIGURATION, MAINTAINING NB AND SB TRAFFIC AS SHOWN IN THE PLANS.
- (B) SHUT DOWN SB ORCHARD LANE TRAFFIC THROUGHOUT THE STAGE 2 WORK ZONE, SHIFTING NB TRAFFIC ONTO THE WEST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS.
- (C) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (D) MAINTAIN TWO-WAY TRAFFIC ON HOOK DRIVE AT ALL TIMES.
- (E) OPEN UP ORCHARD LANE TO NB AND SB TRAFFIC AFTER BINDER COURSE HAS BEEN FULLY CONSTRUCTED.
- (F) AT THE COMPLETION OF STAGE 2, THE PROJECT AREA SHALL BE RESTORED TO FINAL TRAFFIC PATTERNS FOR THE ENTIRITY OF THE WINTER SHUTDOWN PERIOD.
- (G) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**WINTER SHUTDOWN - ORCHARD LANE AND HOOK DRIVE**

**CONSTRUCTION**

- (1) NO WORK SHALL BE PERFORMED DURING THIS STGE WITHOUT THE APPROVAL OF THE ENGINEER.
- (2) ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE PROJECT AREA DURING THE WINTER SHUTDOWN PERIOD.

**MAINTENANCE OF TRAFFIC**

- (A) ALL TRAFFIC LANES ARE OPEN AND IN THEIR PERMANENT CONFIGURATIONS.
- (B) NO TEMPORARY TRAFFIC CONTROL DEVICES, TEMPORARY SIGNING, OR DETOUR SIGNING SHALL BE ALLOWED WITHIN THE PROJECT AREA OR ALONG THE DETOUR ROUTES DURING WINTER SHUTDOWN.

**STAGE 3 - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL STAGE 3 DETOUR SIGNAGE AS SHOWN IN THE PLANS.
- (2) INSTALL STAGE 3 TRAFFIC CONTROL AND SIGNING AS SHOWN IN THE PLANS.
- (3) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS SHOWN IN THE PLANS.
- (4) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.

**SEQUENCE OF CONSTRUCTION**

**STAGE 3 - ORCHARD LANE (CONTINUED)**

- (5) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS, PATCHING EXISTING NB PAVEMENT AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- (7) CONSTRUCT PROPOSED CURB AND GUTTER.
- (8) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (9) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (10) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (11) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.

**MAINTENANCE OF TRAFFIC**

- (A) SHUT DOWN SB ORCHARD LANE TRAFFIC THROUGHOUT THE STAGE 3 WORK ZONE AS SHOWN IN THE PLANS.
- (B) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (C) DO NOT SHUT DOWN E. HONEYSUCKLE DRIVE AND W. RUSTIC LANE CONCURRENTLY.
- (D) DO NOT SHUT DOWN E. ROSEWOOD LANE AND E. COUNTRY WALK DRIVE CONCURRENTLY.
- (E) MAINTAIN FULL ACCESS TO ONE OF ACORN DRIVE, BLUEBERRY LANE, AND WILDFLOWER LANE AT ALL TIMES.
- (F) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**STAGE 4 - ORCHARD LANE**

**CONSTRUCTION**

- (1) INSTALL STAGE 4 DETOUR SIGNAGE AND REMOVE CONFLICTING STAGE 3 DETOUR SIGNAGE AS SHOWN IN THE PLANS.
- (2) INSTALL STAGE 4 TRAFFIC CONTROL AND SIGNING AS SHOWN IN THE PLANS.
- (3) REMOVE EXISTING PAVEMENT AND CURB AND GUTTER AS SHOWN IN THE PLANS.
- (4) EXCAVATE FOR PROPOSED AGGREGATE SUBGRADE IMPROVEMENT.
- (5) REMOVE EXISTING STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (6) INSTALL PROPOSED STORM SEWER AND DRAINAGE STRUCTURES AS SHOWN IN THE PLANS.
- (7) CONSTRUCT PROPOSED CURB AND GUTTER.
- (8) CONSTRUCT PROPOSED DRIVEWAYS IN STAGES TO MAINTAIN ACCESS AT ALL TIMES.
- (9) CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENT AND HMA BINDER COURSE.
- (10) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (11) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (12) REMOVE DETOUR SIGNING AFTER ORCHARD LANE HAS BEEN REOPENED TO TWO-WAY TRAFFIC.
- (13) CONSTRUCT ALL REMAINING HMA SURFACE COURSEUSING TEMPORARY CLOSURES AFTER ORCHARD LANE HAS BEEN REOPENED TO TWO-WAY TRAFFIC.
- (15) PLACE ALL REMAINING TOPSOIL AND SEEDING.
- (16) INSTALL ALL REMAINING FINAL PAVEMENT MARKINGS.
- (17) REMOVE ALL CONSTRUCTION EQUIPMENT, MATERIALS, TRAFFIC CONTROL DEVICES, AND TEMPORARY SIGNING.

**MAINTENANCE OF TRAFFIC**

- (A) SHUT DOWN SB ORCHARD LANE TRAFFIC THROUGHOUT THE STAGE 4 WORK ZONE, SHIFTING NB TRAFFIC ONTO THE WEST SIDE OF ORCHARD LANE AS SHOWN IN THE PLANS.
- (B) MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE PROPERTY AT ALL TIMES.
- (C) DO NOT SHUT DOWN N. ROSEWOOD AND W. SILVER OAKS DRIVE CONCURRENTLY.
- (D) DO NOT SHUT DOWN BOTH N. ROSEWOOD LANE INTERSECTIONS CONCURRENTLY.
- (E) DO NOT SHUT DOWN BOTH LEGS OF THE ACORN DRIVE CUL-DE-SAC CONCURRENTLY.
- (F) MAINTAIN ACCESS TO BLUEBELL COURT AT ALL TIMES.
- (E) MAINTAIN FULL ACCESS TO ONE OF THE LEGS OF E. CHERRY COVE LANE OR VINEYARD LANE AT ALL TIMES.
- (G) OPEN UP ORCHARD LANE TO NB AND SB TRAFFIC AFTER BINDER COURSE HAS BEEN FULLY CONSTRUCTED.
- (H) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**SEQUENCE OF CONSTRUCTION**

**STAGE 1 AND STAGE 2 - HOOK DRIVE**

**CONSTRUCTION**

- (1) INSTALL ALL REQUIRED TRAFFIC CONTROL AND SIGNING.
- (2) REMOVE ALL EXISTING RAISED REFLECTORS FROM THE WEST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE RAILROAD R.O.W.
- (3) MILL HOOK DRIVE FROM THE WEST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE RAILROAD R.O.W.
- (4) REMOVE EXISTING CURB AND GUTTER FROM THE WEST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE RAILROAD R.O.W. AS SHOWN IN THE PLANS.
- (5) PATCH PAVEMENT WITHIN THE STAGE 1 AND STAGE 2 MILLING LIMITS AS DIRECTED BY THE ENGINEER.
- (6) CONSTRUCT PROPOSED CURB AND GUTTER.
- (7) CONSTRUCT HMA LEVELING BINDER WITHIN THE STAGE 1 AND STAGE 2 MILLING LIMITS.
- (8) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (9) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (10) CONSTRUCT ALL HMA SURFACE COURSE WITHIN THE STAGE 1 AND STAGE 2 MILLING LIMITS USING TEMPORARY CLOSURES CONCURRENTLY WITH ORCHARD LANE SURFACING OPERATIONS.
- (11) PLACE ALL TOPSOIL AND SEEDING FROM THE WEST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE RAILROAD R.O.W.
- (12) INSTALL FINAL PAVEMENT MARKINGS FROM THE WEST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE RAILROAD R.O.W.
- (13) REMOVE ALL CONSTRUCTION EQUIPMENT, MATERIALS, TRAFFIC CONTROL DEVICES, AND TEMPORARY SIGNING FOR WINTER SHUTDOWN PERIOD.

**MAINTENANCE OF TRAFFIC**

- (A) MAINTAIN TWO-WAY TRAFFIC ON HOOK DRIVE AT ALL TIMES
- (B) MAINTAIN ACCESS TO ALL SIDE STREETS, COMMERCIAL PROPERTY, AND PRIVATE PROPERTY AT ALL TIMES.
- (C) AT THE COMPLETION OF STAGE 2, THE PROJECT AREA SHALL BE RESTORED TO FINAL TRAFFIC PATTERNS FOR THE ENTIRITY OF THE WINTER SHUTDOWN PERIOD.
- (D) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.

**STAGE 3 AND STAGE 4 - HOOK DRIVE**

**CONSTRUCTION**

- (1) INSTALL ALL REQUIRED TRAFFIC CONTROL AND SIGNING.
- (2) REMOVE ALL EXISTING RAISED REFLECTORS FROM THE EAST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE AMBER PRAIRIE WAY.
- (3) MILL HOOK DRIVE FROM THE EAST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE AMBER PRAIRIE WAY.
- (4) REMOVE EXISTING CURB AND GUTTER FROM THE EAST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE AMBER PRAIRIE WAY.
- (5) PATCH PAVEMENT WITHIN THE STAGE 3 AND STAGE 4 MILLING LIMITS AS DIRECTED BY THE ENGINEER.
- (6) CONSTRUCT PROPOSED CURB AND GUTTER.
- (7) CONSTRUCT PROPOSED SHARED-USE PATH.
- (8) CONSTRUCT HMA LEVELING BINDER WITHIN THE STAGE 3 AND STAGE 4 MILLING LIMITS.
- (9) ADJUST ALL EXISTING UTILITY OR DRAINAGE MANHOLE RIMS AS NEEDED.
- (10) REMOVE AND RECONSTRUCT SIDEWALK TO MEET ADA COMPLIANCE AS SHOWN IN THE DETAILS.
- (11) CONSTRUCT ALL HMA SURFACE COURSE WITHIN THE STAGE 3 AND STAGE 4 MILLING LIMITS USING TEMPORARY CLOSURES CONCURRENTLY WITH ORCHARD LANE SURFACING OPERATIONS.
- (12) PLACE ALL TOPSOIL AND SEEDING FROM THE EAST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE AMBER PRAIRIE WAY.
- (13) INSTALL FINAL PAVEMENT MARKINGS FROM THE EAST PROJECT LIMITS TO THE PROJECT OMISSION WEST OF THE AMBER PRAIRIE WAY.
- (14) REMOVE ALL CONSTRUCTION EQUIPMENT, MATERIALS, TRAFFIC CONTROL DEVICES, AND TEMPORARY SIGNING.

**MAINTENANCE OF TRAFFIC**

- (A) MAINTAIN TWO-WAY TRAFFIC ON HOOK DRIVE AT ALL TIMES
- (B) MAINTAIN ACCESS TO ALL SIDE STREETS, COMMERCIAL PROPERTY, AND PRIVATE PROPERTY AT ALL TIMES.
- (C) UTILIZE IDOT STANDARDS TC-10, TC-16, 701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701701-10, AND 701801-06.



MODEL: Default  
FILE: 4600.016-041-01-Sequence of Construction 2.dgn

4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
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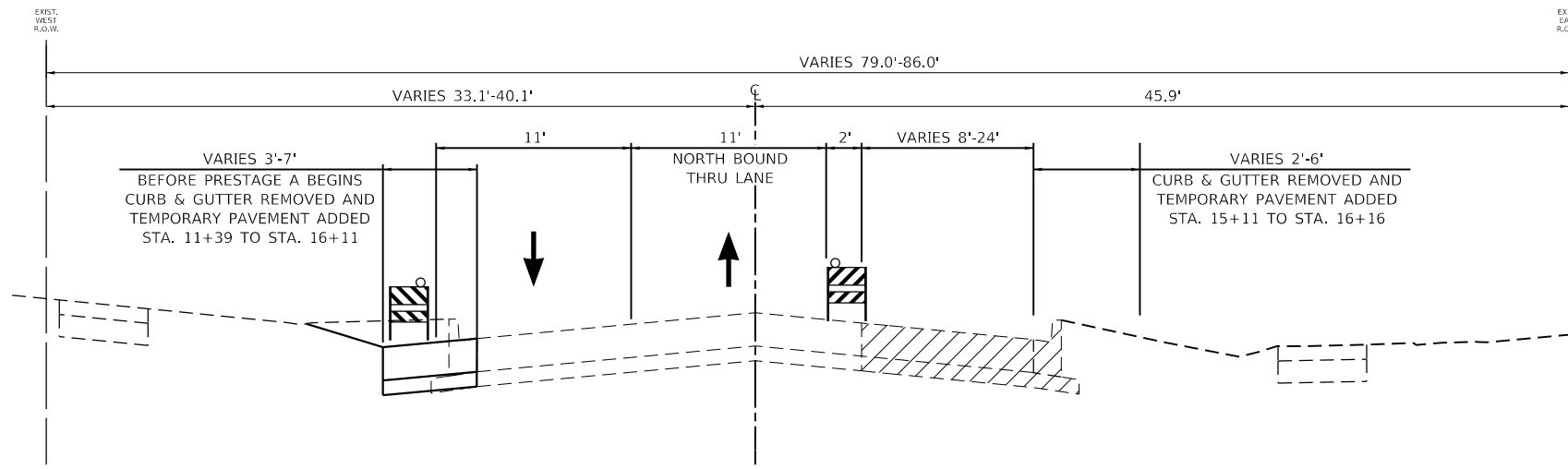
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SEQUENCE OF CONSTRUCTION**

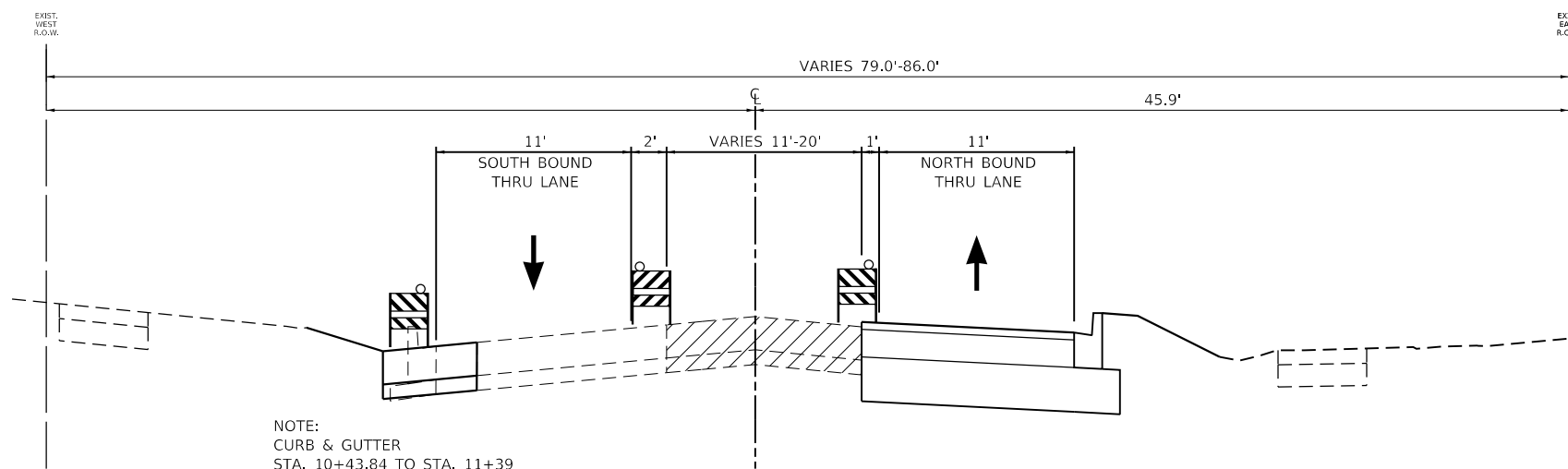
**ORCHARD LANE**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	84
MUN. RTE.				CONTRACT NO. 61F65
1061		ILLINOIS		FED. AID PROJECT

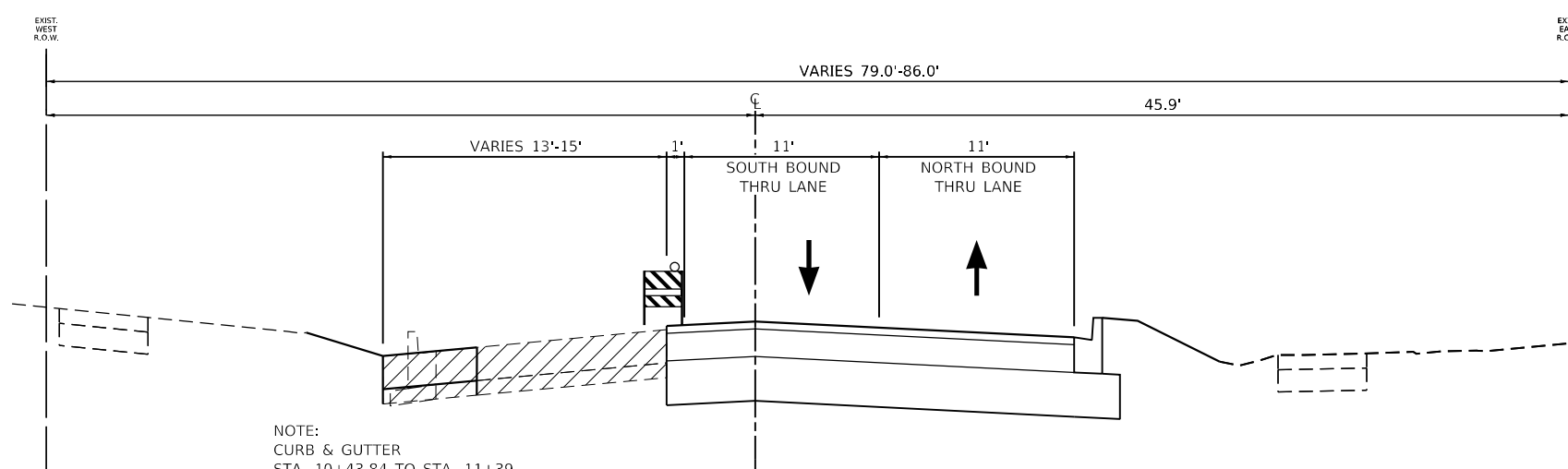


**ORCHARD LANE  
PRESTAGE A TYPICAL SECTION**  
STA. 10+43.84 TO STA. 15+11.00



NOTE:  
CURB & GUTTER  
STA. 10+43.84 TO STA. 11+39  
TEMPORARY PAVEMENT  
STA. 11+39 TO STA. 16+11

**ORCHARD LANE  
PRESTAGE B TYPICAL SECTION**  
STA. 10+43.84 TO STA. 15+11.00



NOTE:  
CURB & GUTTER  
STA. 10+43.84 TO STA. 11+39  
TEMPORARY PAVEMENT  
STA. 11+39 TO STA. 15+11.00

**ORCHARD LANE  
PRESTAGE C TYPICAL SECTION**  
STA. 10+43.84 TO STA. 15+11.00

- LEGEND**
- WORK ZONE
  - BARRICADES, TYPE II WITH WARNING LIGHT COMPLIANT WITH APPLICABLE REQUIREMENTS OUTLINED IN BDE 80392
  - DIRECTIONAL ARROW

**GHA GEWALT HAMILTON ASSOCIATES, INC.**

MODEL: Default  
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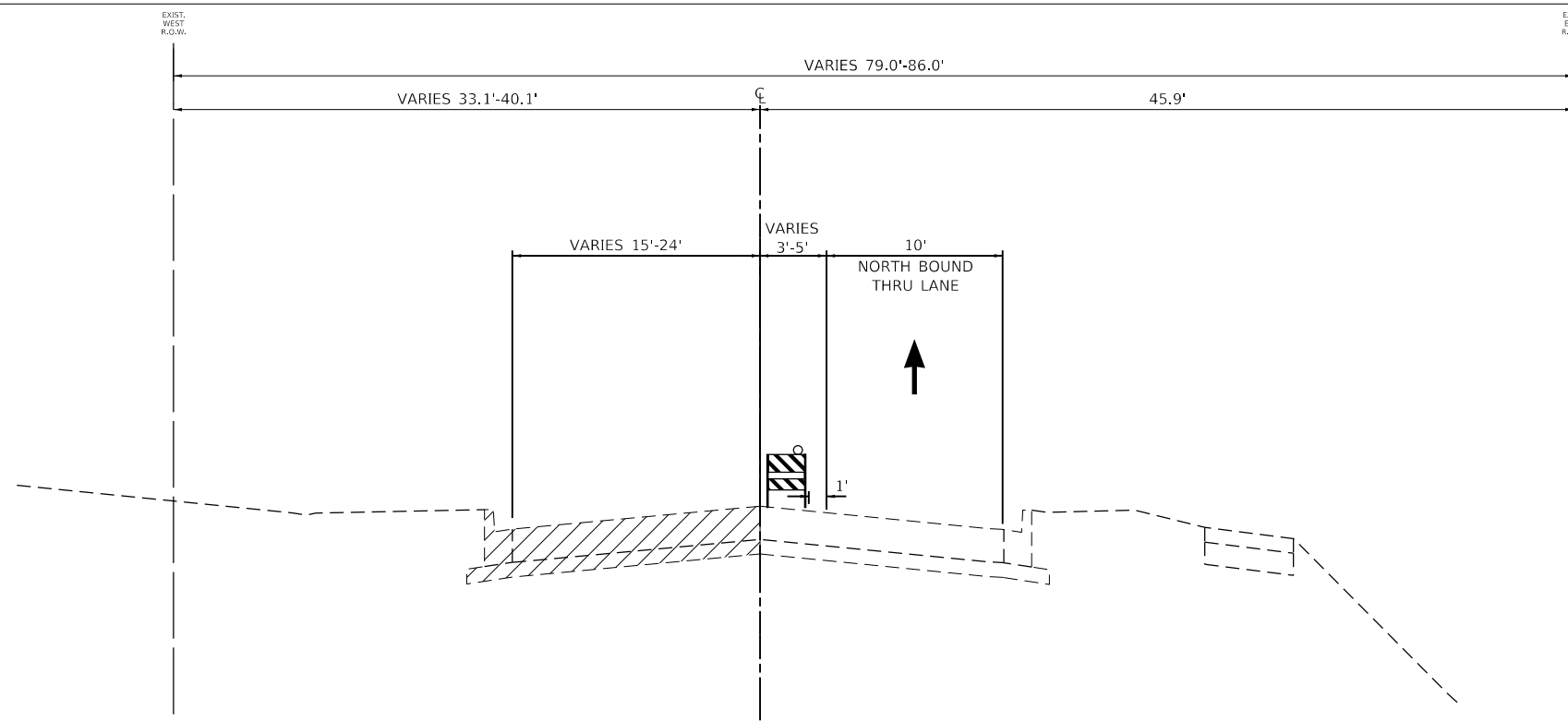
4600.016-041

USER NAME = pswiatek	DESIGNED - MIV	REVISED -
DRAWN - PJS	REVISED -	
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PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

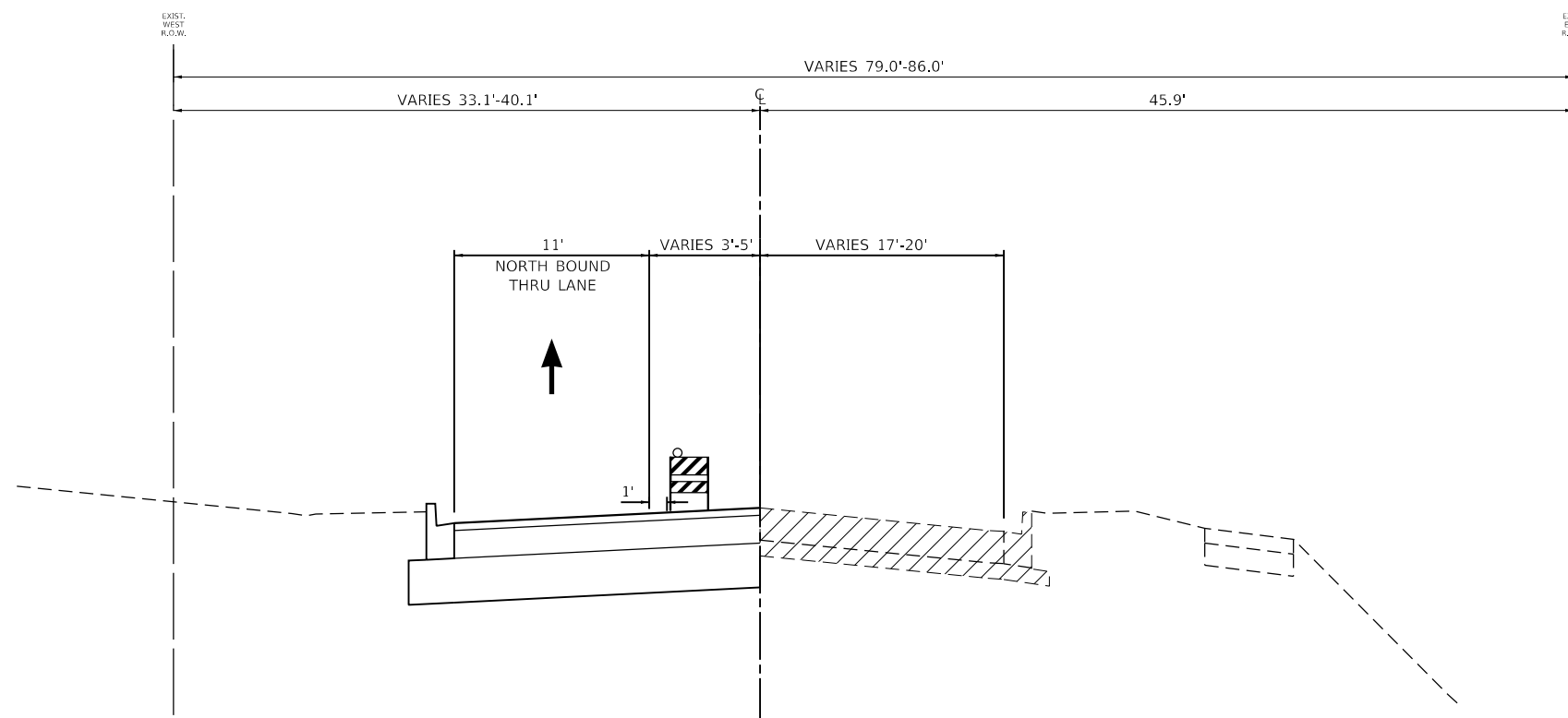
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PRESTAGE TYPICAL SECTIONS</b>	
<b>ORCHARD LANE</b>	
SCALE: NONE	SHEET 1 OF 5 SHEETS
STA.	TO STA.




F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	85
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



**ORCHARD LANE  
STAGE 1 TYPICAL SECTION**  
STA. 15+11.00 TO STA. 37+79.97

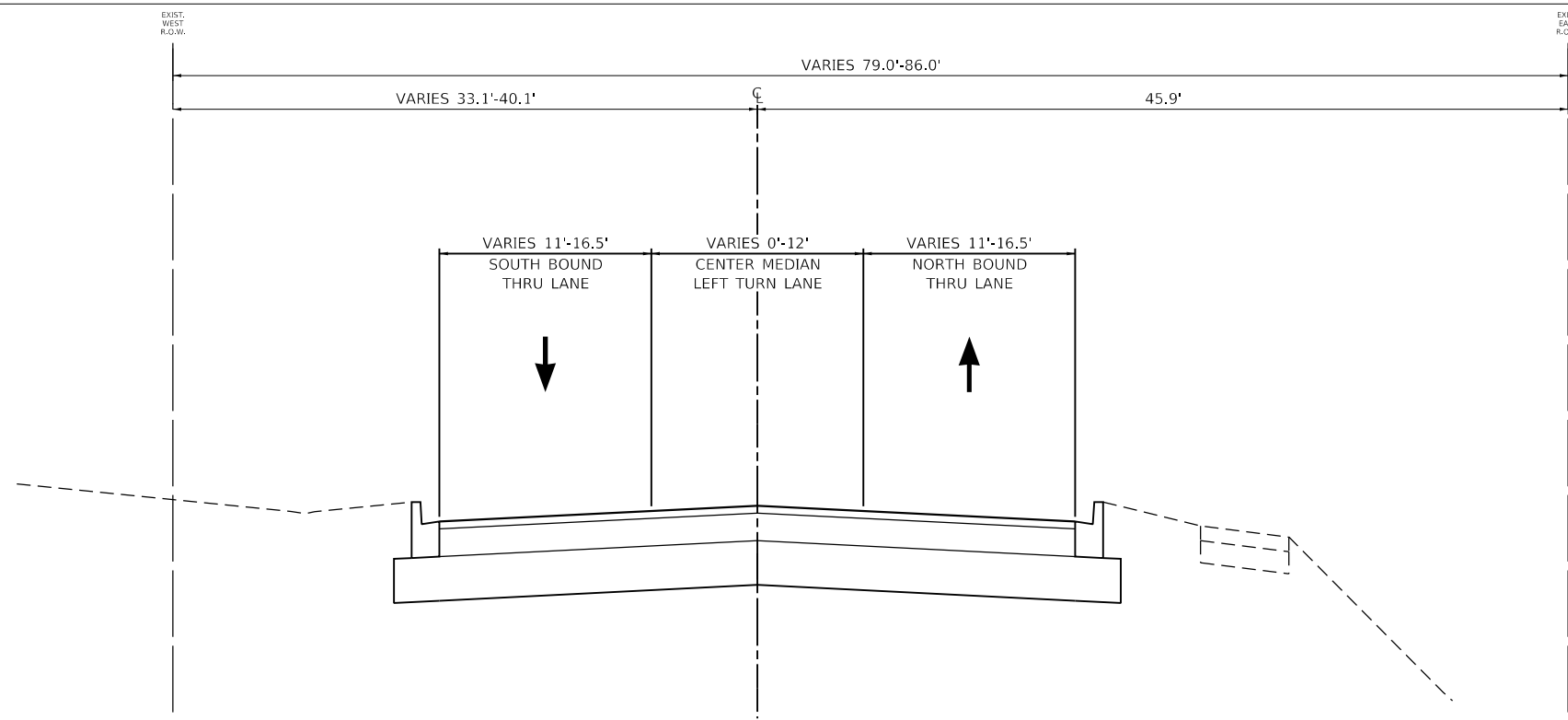


**ORCHARD LANE  
STAGE 2 TYPICAL SECTION**  
STA. 15+11.00 TO STA. 37+79.97

- LEGEND**
-  WORK ZONE
  -  BARRICADES, TYPE II WITH WARNING LIGHT COMPLIANT WITH APPLICABLE REQUIREMENTS OUTLINED IN BDE 80392
  -  DIRECTIONAL ARROW

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISIONS -	
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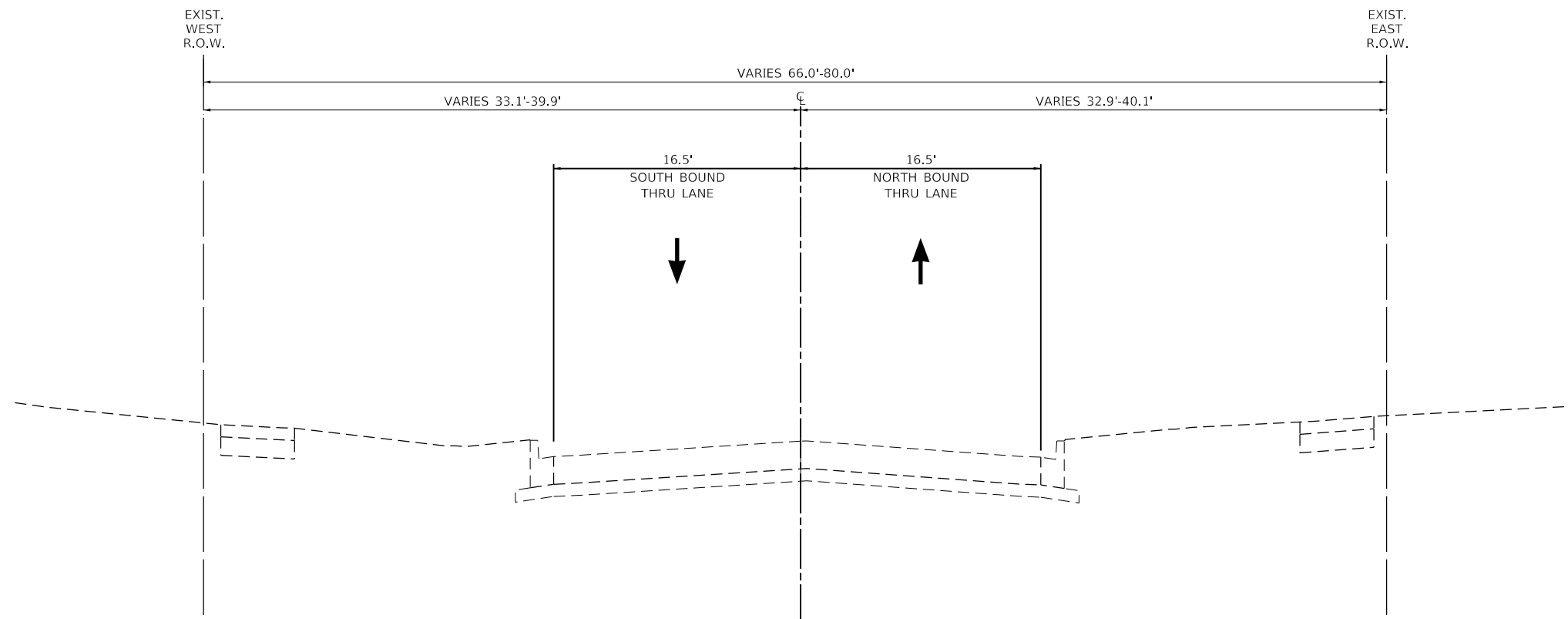
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1048	15-00078-00-PV	LAKE	228	86
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	



**LEGEND**



**ORCHARD LANE  
WINTER TYPICAL SECTION**  
STA. 15+11.00 TO STA. 37+79.97



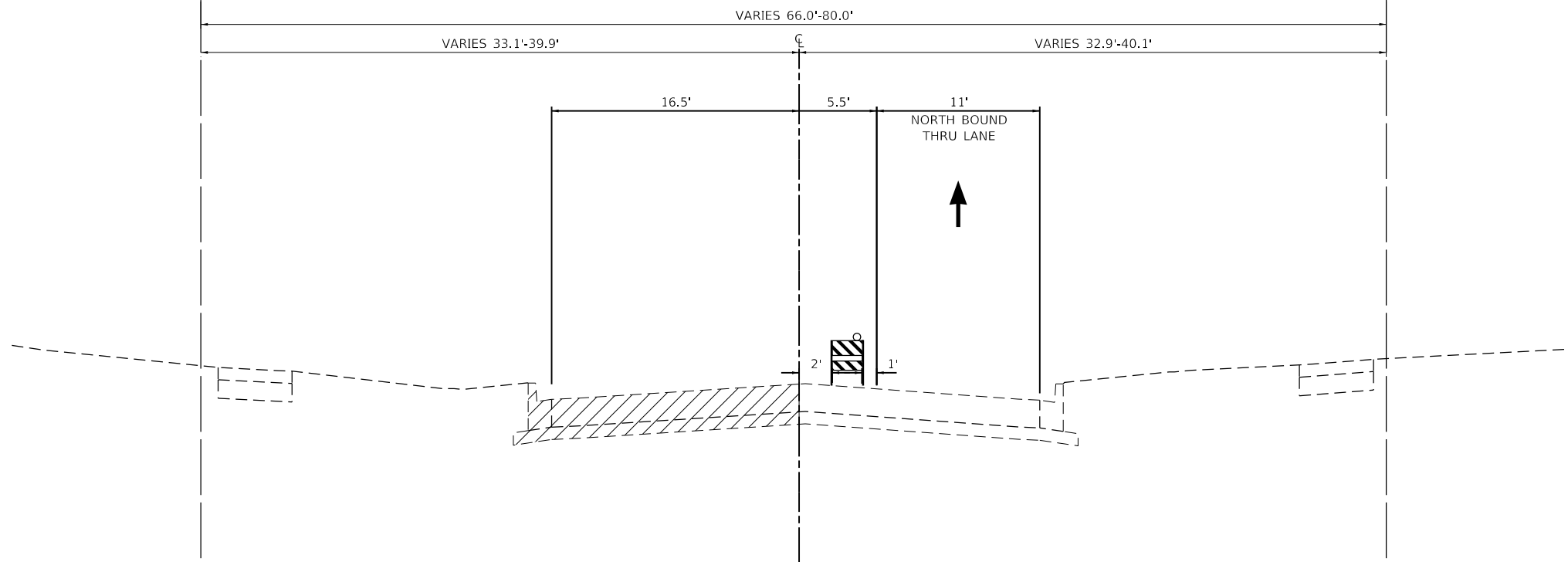
**ORCHARD LANE  
WINTER TYPICAL SECTION**  
STA. 37+79.97 TO STA. 82+32.84

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
	DRAWN - PJS	REVISED -
PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	87
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	

EXIST.  
WEST  
R.O.W.

EXIST.  
EAST  
R.O.W.



**ORCHARD LANE  
STAGE 3 TYPICAL SECTION**  
STA. 37+79.97 TO STA. 82+32.84

**LEGEND**

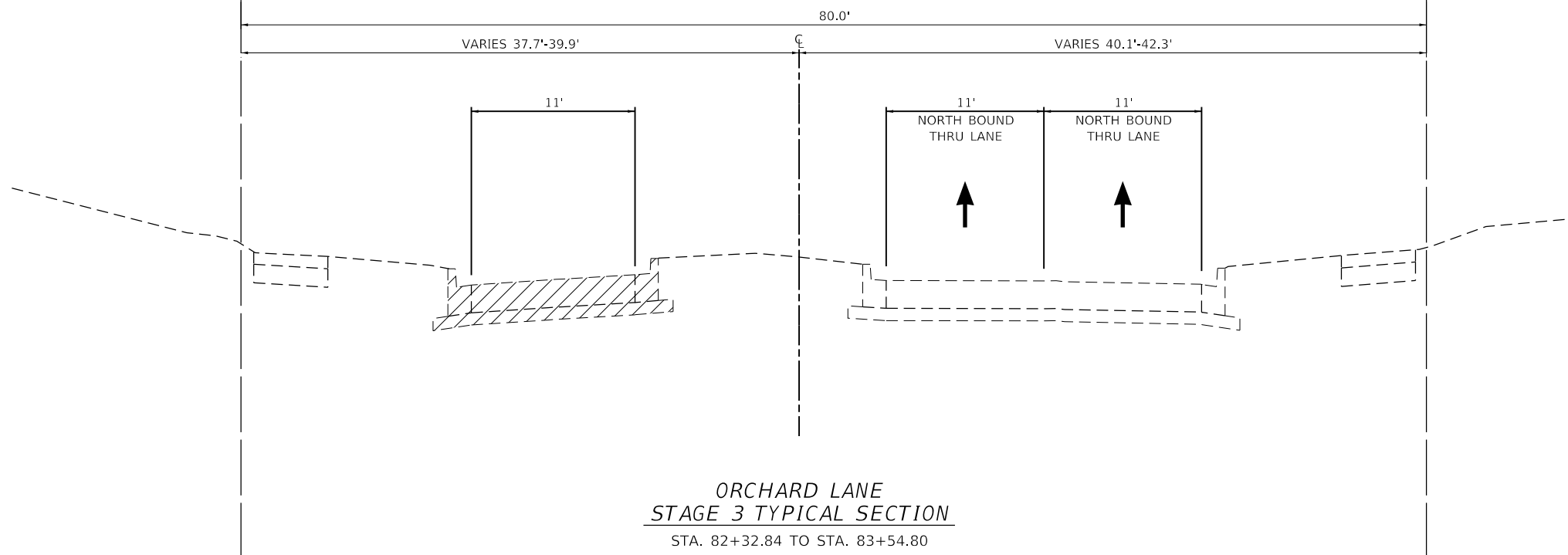
WORK ZONE

BARRICADES, TYPE II WITH WARNING LIGHT  
COMPLIANT WITH APPLICABLE REQUIREMENTS  
OUTLINED IN BDE 80392

DIRECTIONAL ARROW

EXIST.  
WEST  
R.O.W.

EXIST.  
EAST  
R.O.W.



**ORCHARD LANE  
STAGE 3 TYPICAL SECTION**  
STA. 82+32.84 TO STA. 83+54.80

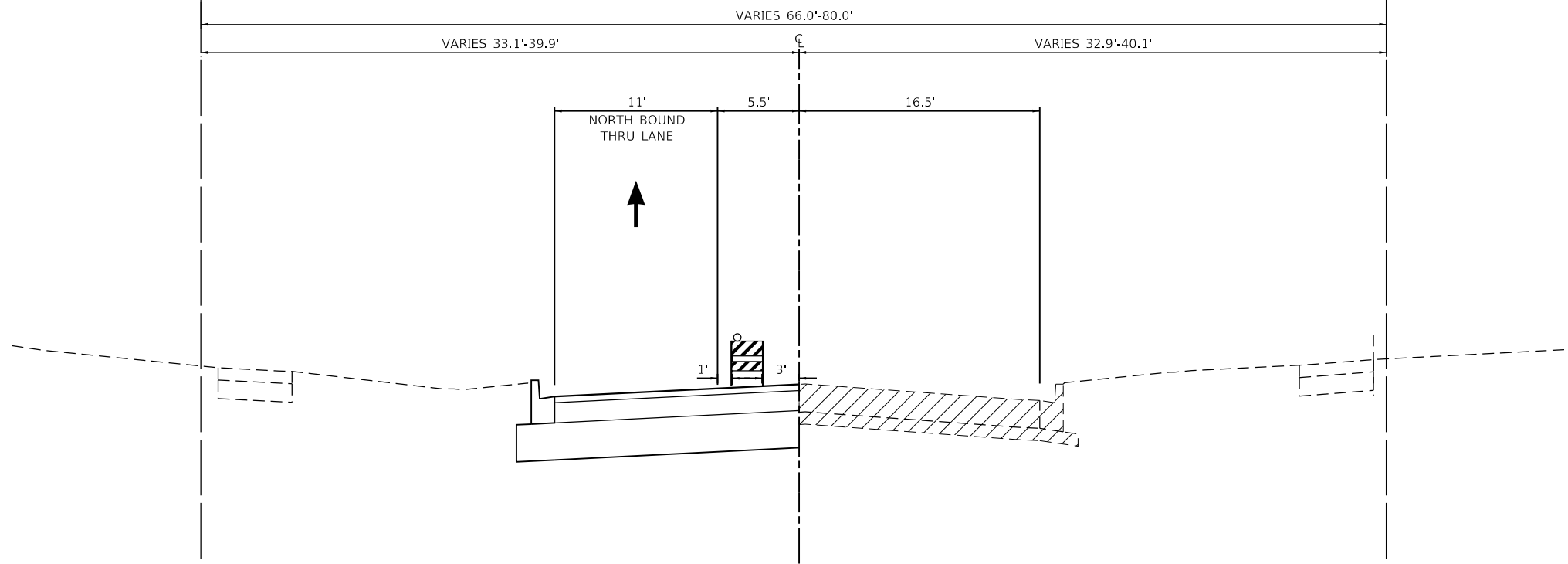
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PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	88
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



EXIST.  
WEST  
R.O.W.

EXIST.  
EAST  
R.O.W.



**ORCHARD LANE  
STAGE 4 TYPICAL SECTION**  
STA. 37+79.97 TO STA. 82+32.84

**LEGEND**

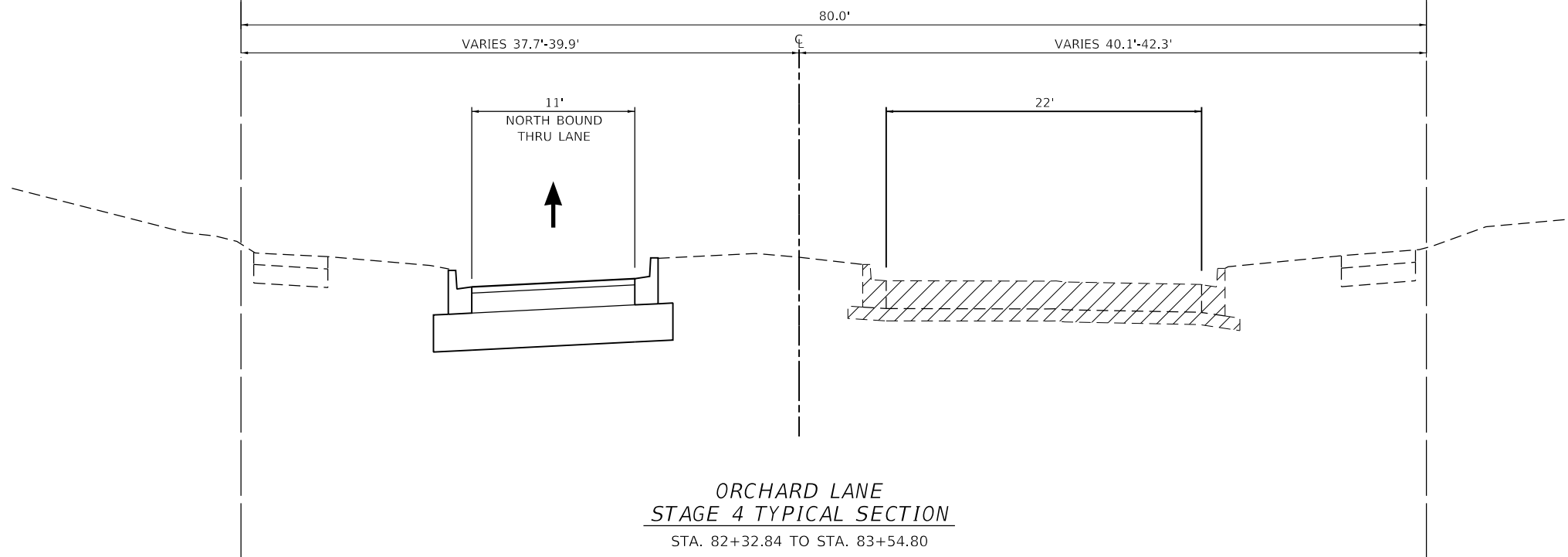
WORK ZONE

BARRICADES, TYPE II WITH WARNING LIGHT  
COMPLIANT WITH APPLICABLE REQUIREMENTS  
OUTLINED IN BDE 80392

DIRECTIONAL ARROW

EXIST.  
WEST  
R.O.W.

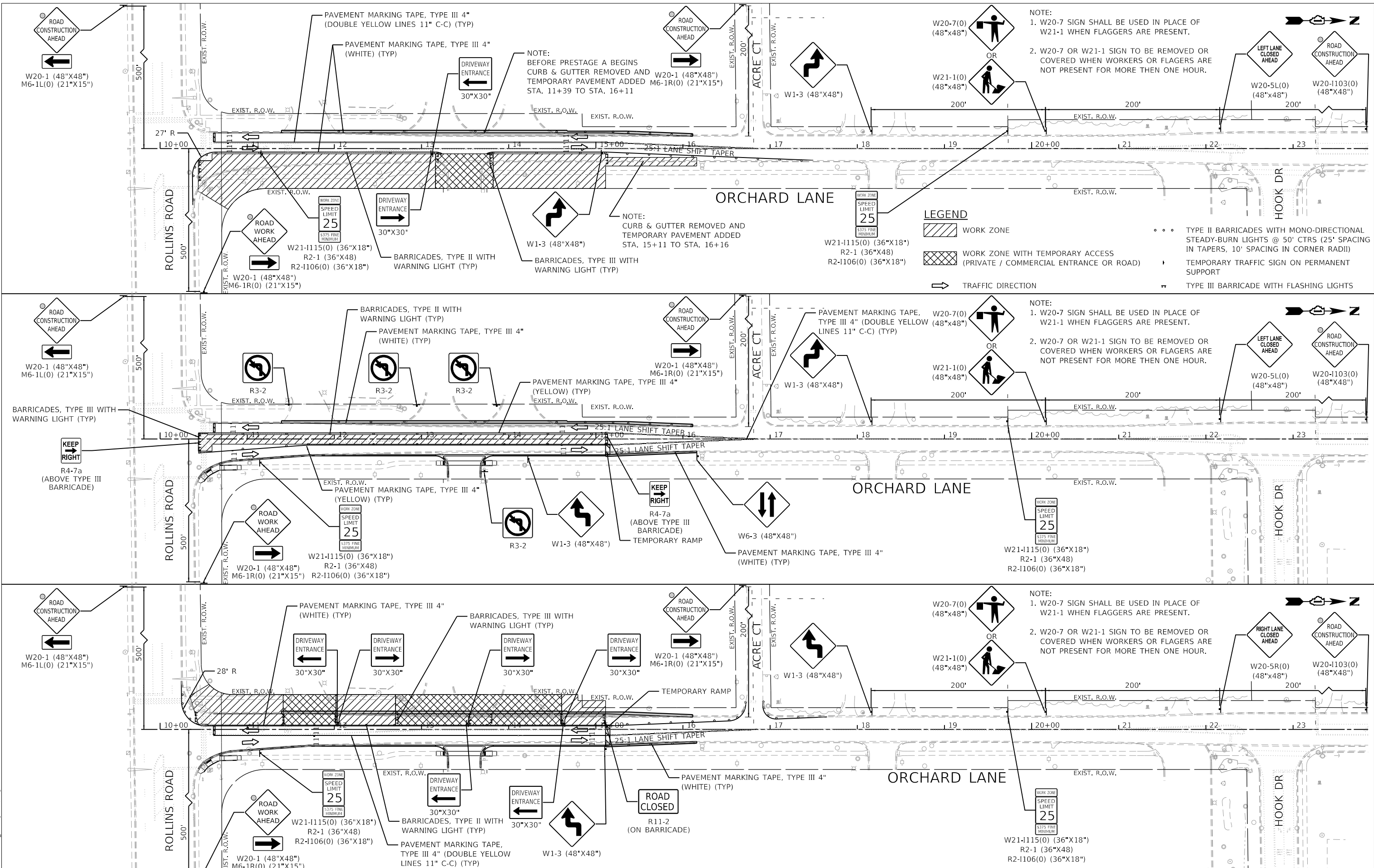
EXIST.  
EAST  
R.O.W.



**ORCHARD LANE  
STAGE 4 TYPICAL SECTION**  
STA. 82+32.84 TO STA. 83+54.80

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISIONS -	
PLOT SCALE = 1:10	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	89
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



NOTE:  
 1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.  
 2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

**LEGEND**

- WORK ZONE
- WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
- TRAFFIC DIRECTION
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT

NOTE:  
 1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.  
 2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

NOTE:  
 1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.  
 2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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 FILE: 1600016-act-MOT\_PrefStage\_A.B.C.dgn

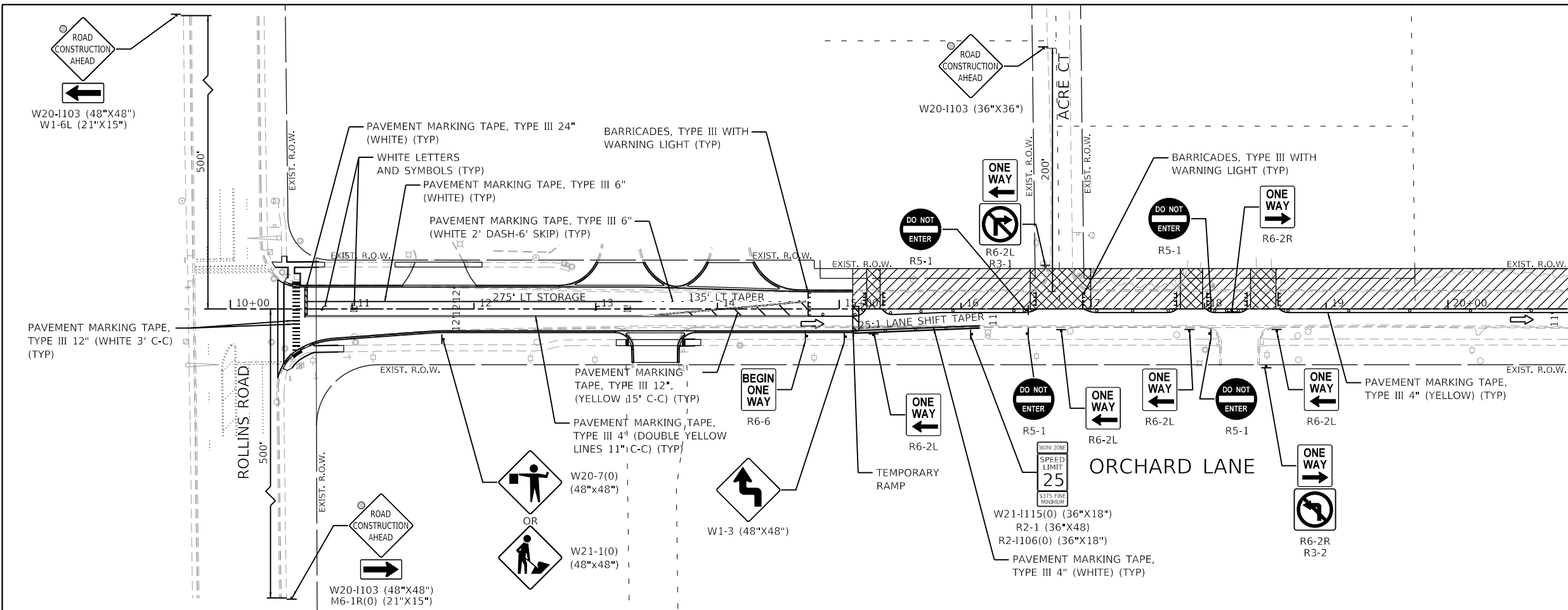
4600.016-041

USER NAME = pswlatek	DESIGNED - MJV	REVISED -
PLOT SCALE = 1:100	DRAWN - PJS	REVISED -
PLOT DATE = 2/13/2019	CHECKED - KLB	REVISED -
	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRESTAGE  
ORCHARD LANE**  
 SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

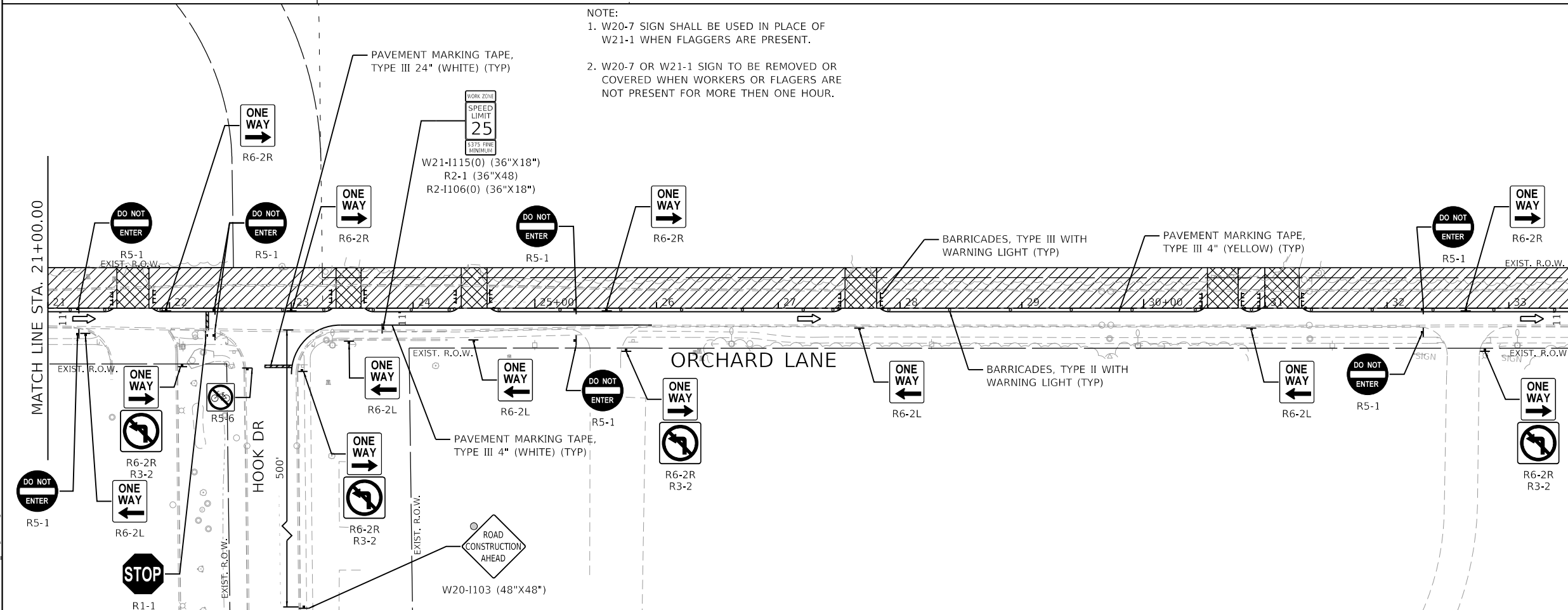
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	90
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS

**NOTE:**

1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.
2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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 PLOT DATE = 2/13/2019

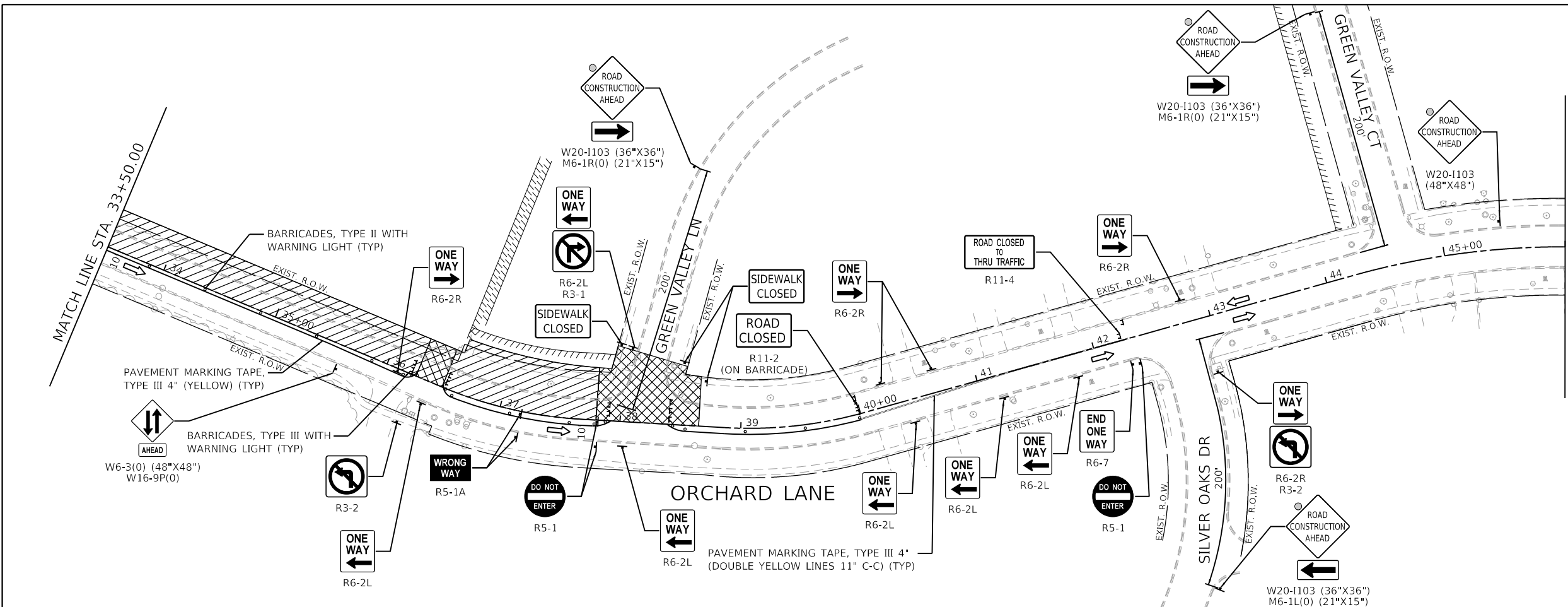
DESIGNED - MIV	REVISED -
DRAWN - PJS	REVISED -
CHECKED - KLB	REVISED -
DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1  
 ORCHARD LANE**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 10+00.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	91
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

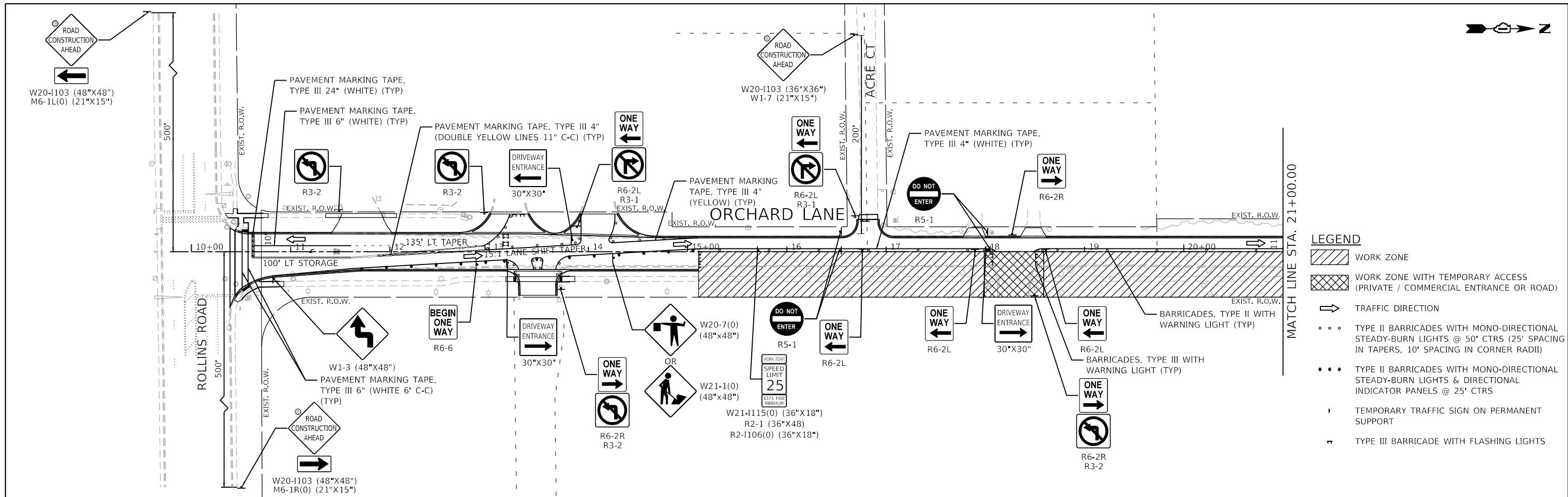
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	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 1 ORCHARD LANE</b>			
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS	STA. 33+50.00	TO STA. 58+50.00

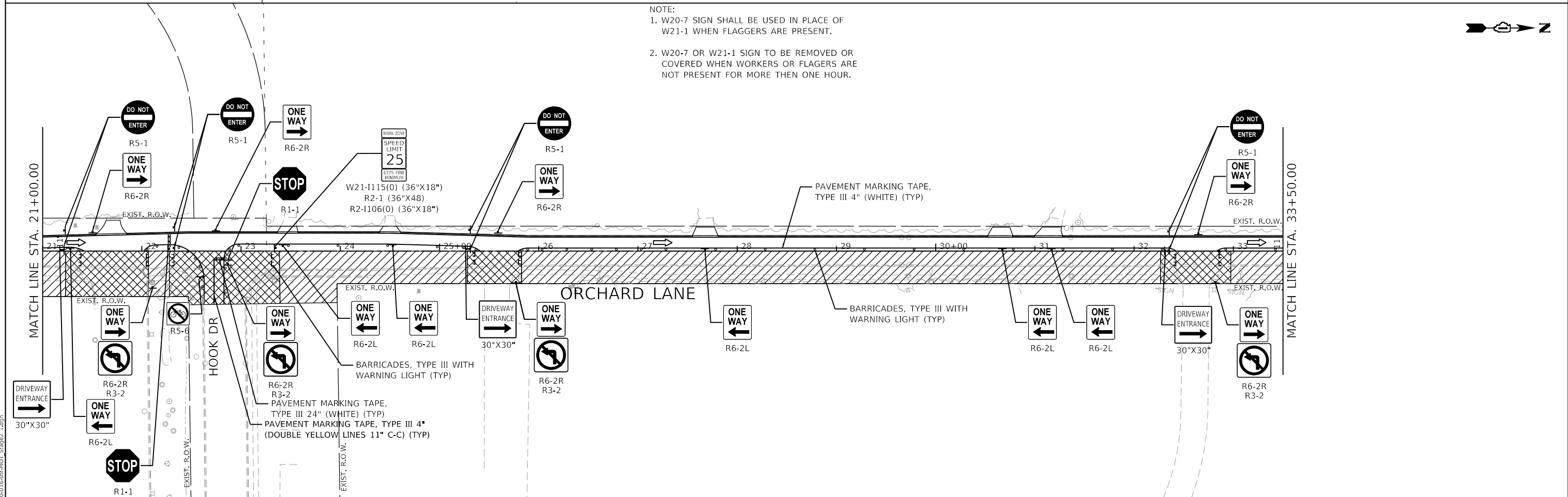
F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 92
MUN. RTE. 1061			CONTRACT NO. 61F65	
		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS

**NOTE:**

- W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.
- W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

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 PLOT SCALE = 1:100  
 PLOT DATE = 2/13/2019

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 DESIGNED - MJV  
 DRAWN - PJS  
 CHECKED - KLB  
 DATE - 2/13/2019

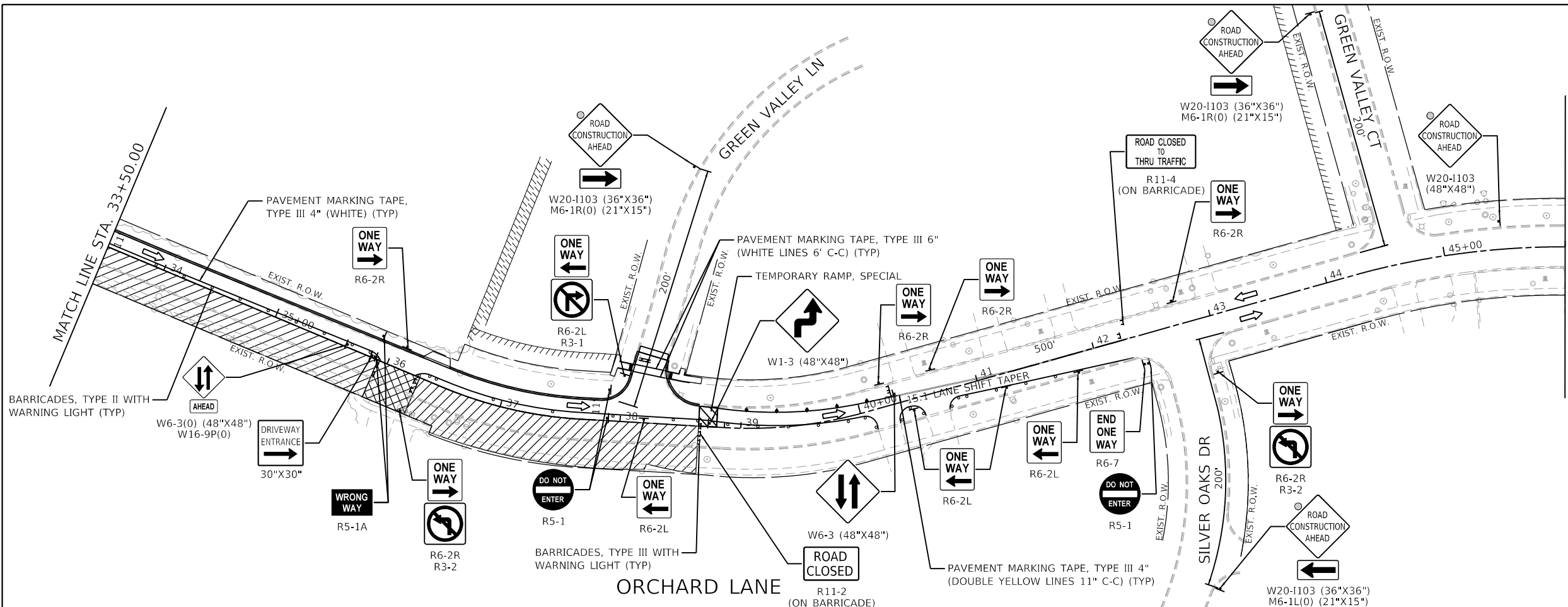
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

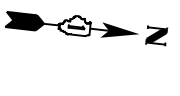
**STAGE 2  
 ORCHARD LANE**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 10+00.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	93
MUN. RTE.			CONTRACT NO. 61F65	
1061		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

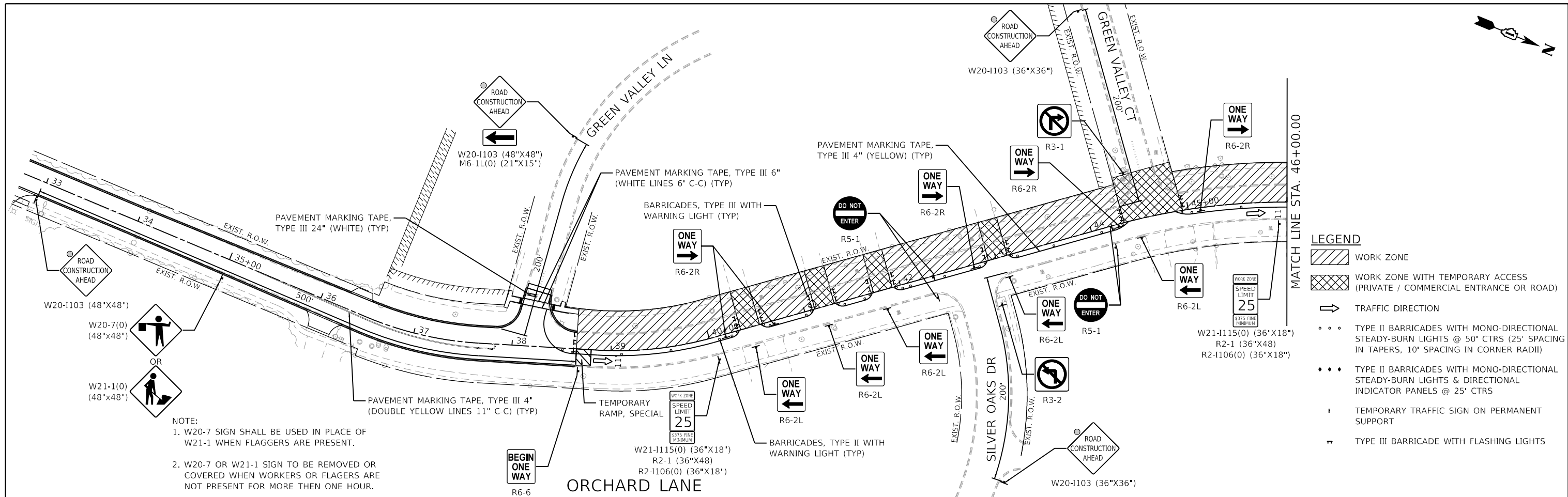
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	PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2  
ORCHARD LANE**

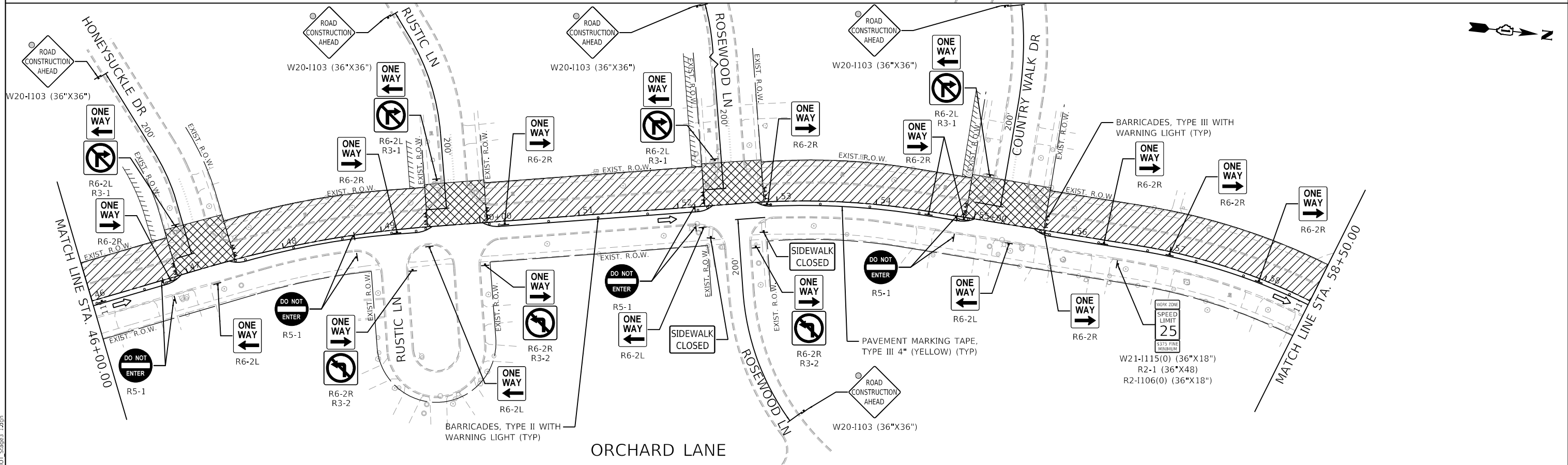
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 33+50.00 TO STA. 58+50.00

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 94
MUN. RTE. 1061			CONTRACT NO. 61F65	
		ILLINOIS	FED. AID PROJECT	



NOTE:  
 1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.  
 2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS



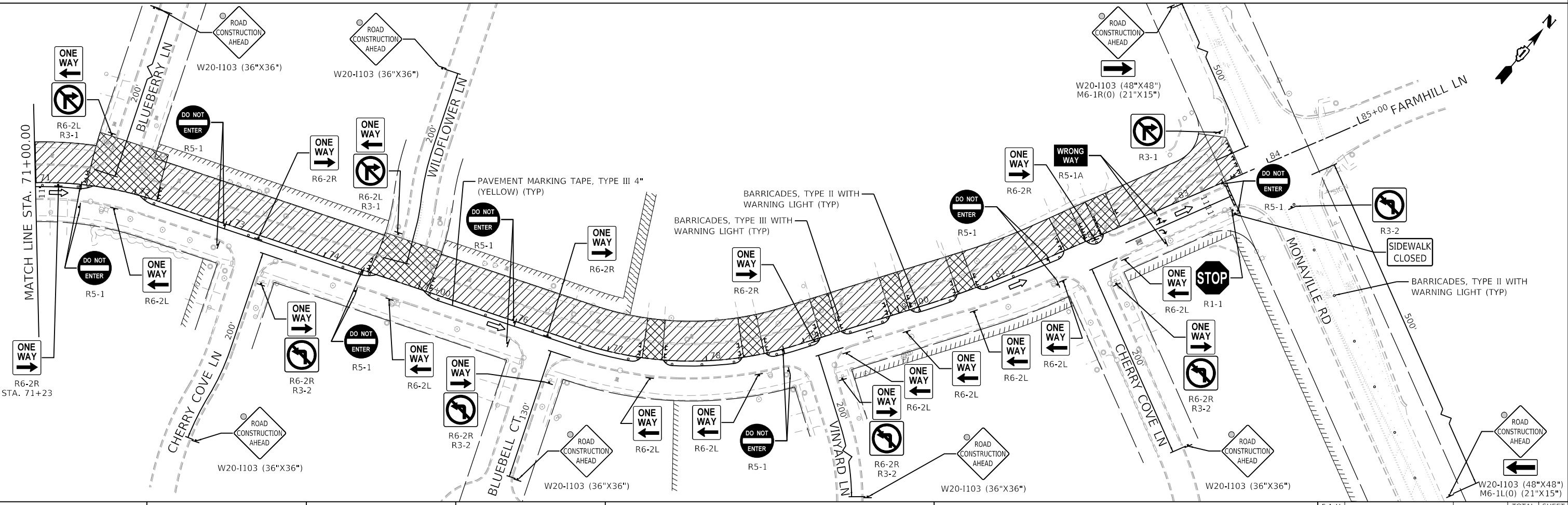
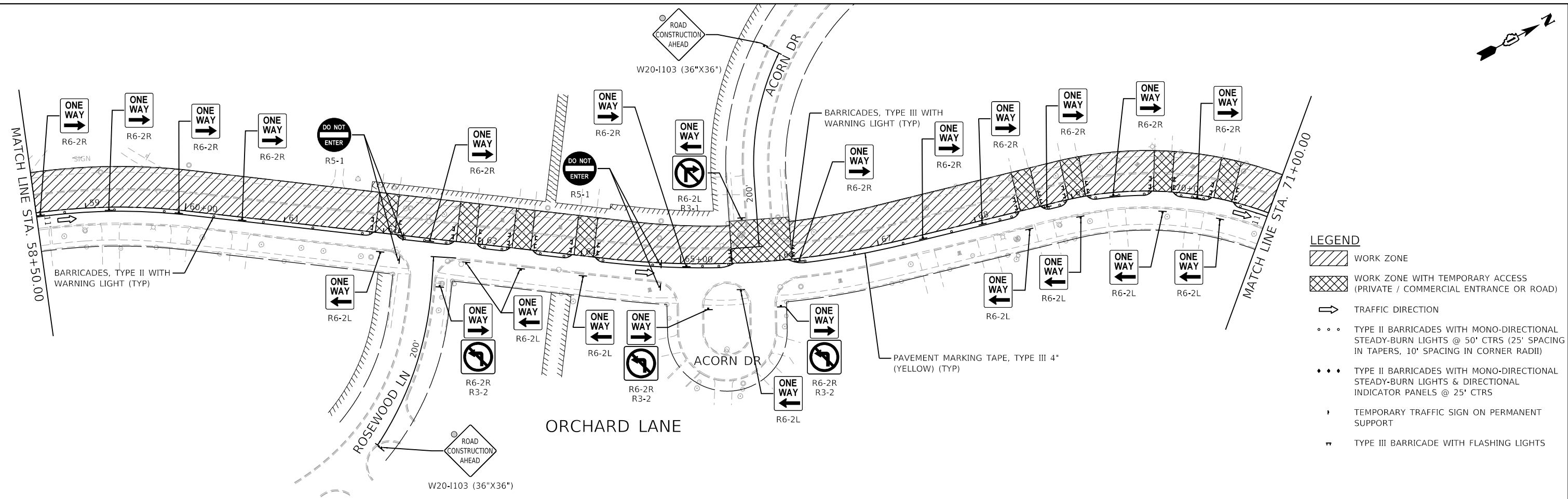
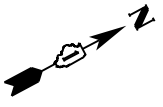
GHA GEWALT HAMILTON ASSOCIATES, INC.  
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Default		PJS	-
		CHECKED -	REVISED -
		KLK	-
		DATE -	REVISED -
		2/13/2019	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**STAGE 3**  
**ORCHARD LANE**  
 SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 33+50.00 TO STA. 58+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	95
MUN. RTE.	CONTRACT NO.		61F65	
1061	ILLINOIS	FED. AID PROJECT		

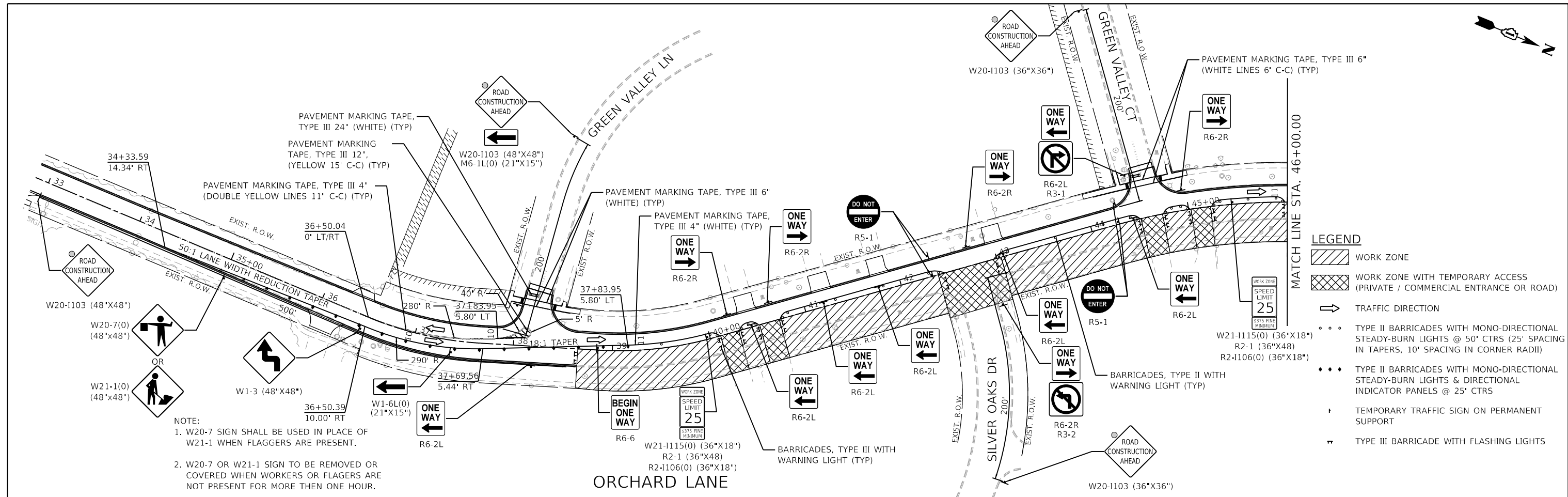


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Default		PJS	-
		CHECKED -	REVISED -
		KLB	-
		DATE -	REVISED -
		2/13/2019	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

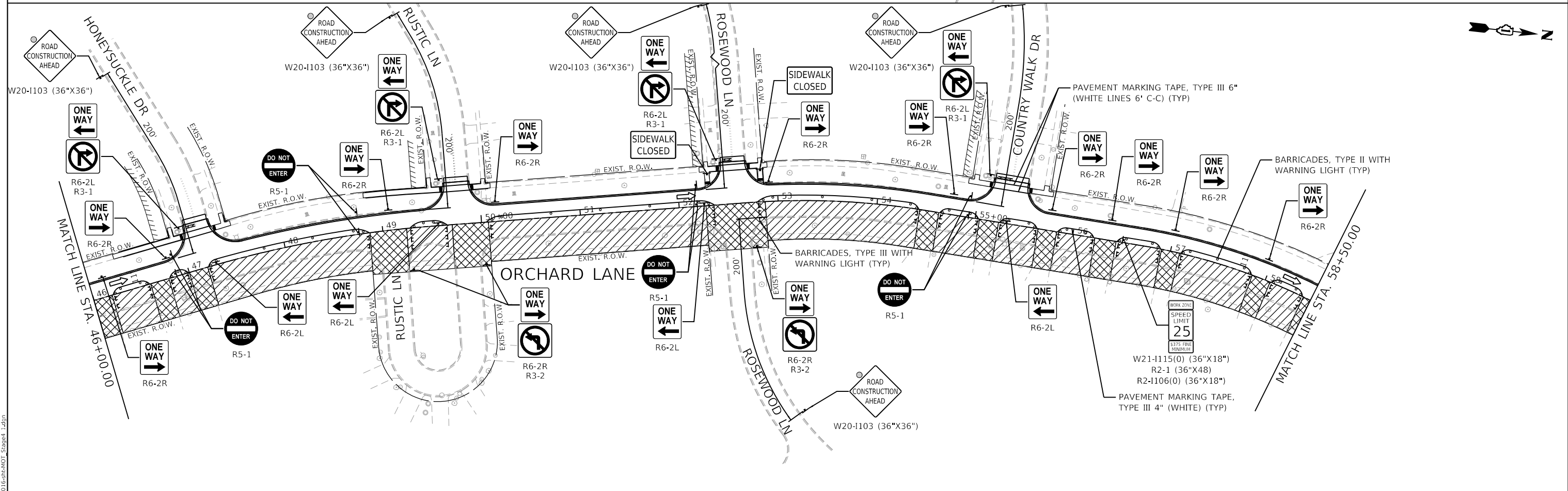
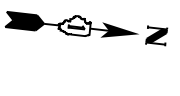
<b>SCALE: 1"=50'</b>		<b>STAGE 3</b>	
SHEET 2 OF 2 SHEETS		<b>ORCHARD LANE</b>	
STA. 58+50.00	TO STA. 84+00.00	F.A.U. RTE.	SECTION
		1048	15-00078-00-PV
		MUN. RTE.	COUNTY
			LAKE
			TOTAL SHEETS
			228
			SHEET NO.
			96
			CONTRACT NO.
			61F65
			ILLINOIS FED. AID PROJECT





NOTE:  
 1. W20-7 SIGN SHALL BE USED IN PLACE OF W21-1 WHEN FLAGGERS ARE PRESENT.  
 2. W20-7 OR W21-1 SIGN TO BE REMOVED OR COVERED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 MODEL: Default  
 FILE: 4600-016-sht-MOT\_Stage4\_1.dgn

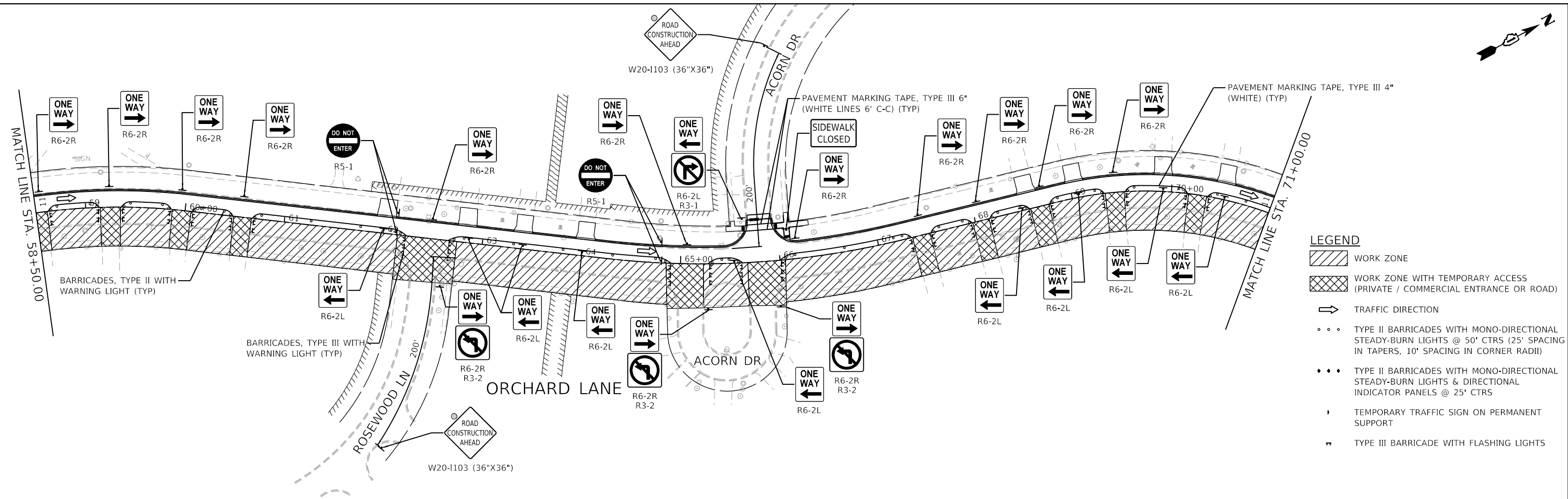
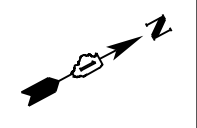
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4600.016-041	PLOT SCALE = 1:100	DRAWN - PJS	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

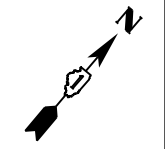
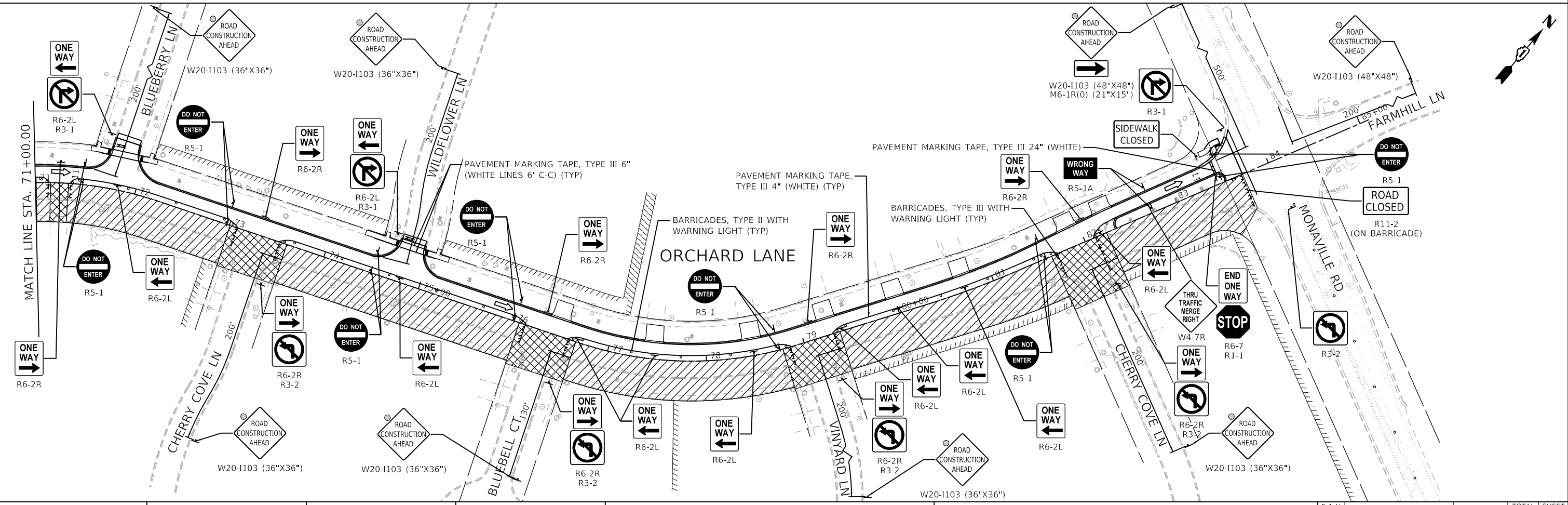
**STAGE 4  
ORCHARD LANE**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 33+50.00 TO STA. 58+50.00

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 97
MUN. RTE. 1061	CONTRACT NO. 61F65		ILLINOIS FED. AID PROJECT	



- LEGEND**
- WORK ZONE
  - WORK ZONE WITH TEMPORARY ACCESS (PRIVATE / COMMERCIAL ENTRANCE OR ROAD)
  - TRAFFIC DIRECTION
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTIONAL INDICATOR PANELS @ 25' CTRS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHING LIGHTS



**GHA GEWALT HAMILTON ASSOCIATES, INC.**

MODEL: Default  
FILE NAME: 4600-016-sht-MOT\_Stage4\_2.dgn

FILE NAME =	USER NAME = pswiatek	DESIGNED - MIV	REVISED -
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4600.016-041		CHECKED - KLB	REVISED -
Default		DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

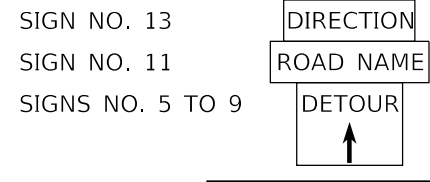
<b>SCALE: 1"=50'</b>		<b>SHEET 2 OF 2 SHEETS</b>		<b>STA. 58+50.00 TO STA. 84+00.00</b>	
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**STAGE 4  
ORCHARD LANE**

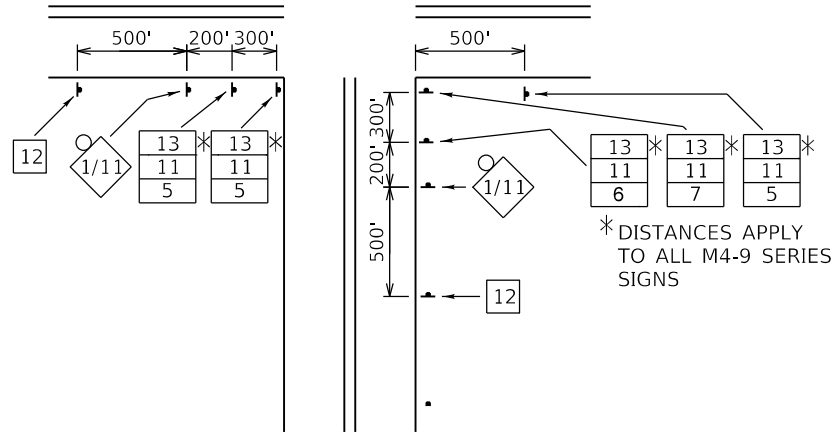
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1048	15-00078-00-PV	LAKE	228	98
MUN. RTE.	CONTRACT NO. 61F65			
1061	ILLINOIS FED. AID PROJECT			

# TYPICAL INTERSECTION AT POINT OF DETOUR

## TYPICAL DETOUR ASSEMBLY SIGN



SIGN NO. 13  
SIGN NO. 11  
SIGNS NO. 5 TO 9



\*DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

## SPECIAL DETOUR NOTES:

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 95 FOR THE DETOUR GENERAL NOTES.
2. SEE SHEET 96 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.



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 50 WORKING DAYS.

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



MODEL: Model  
FILE NAME: 16000.016-pnt-detour\_stage1&2.dgn  
4600.016-041

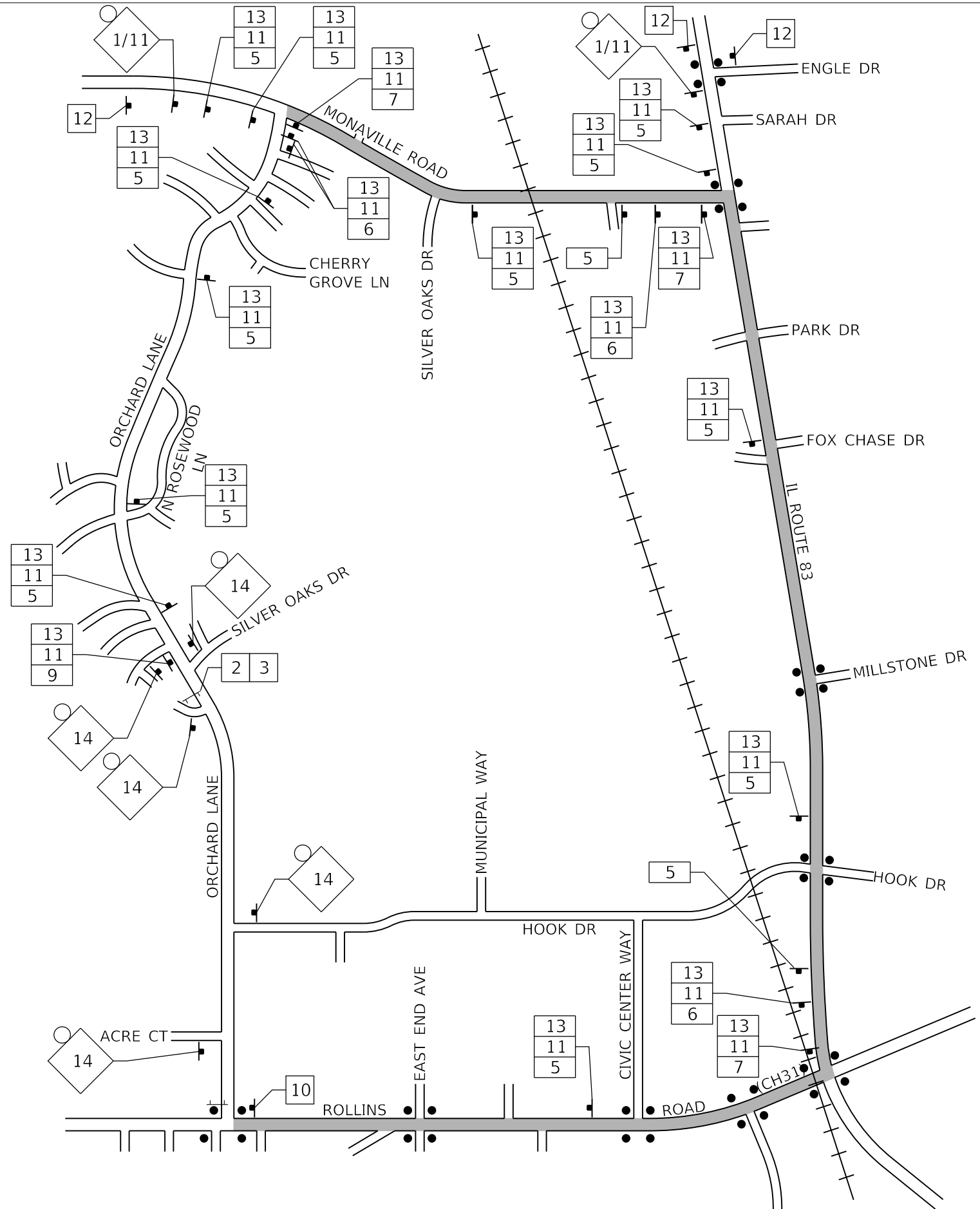
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DRAWN - PJS	REVISED -	
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN - STAGE 1 AND 2  
ORCHARD LANE

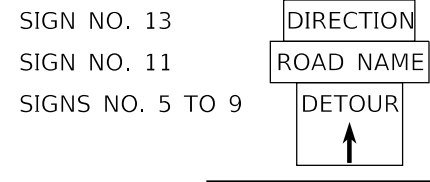
SCALE: NONE SHEET OF SHEETS STA. 95 TO STA. 96

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 99
MUN. RTE. 1061			CONTRACT NO. 61F65	
ILLINOIS FED. AID PROJECT				

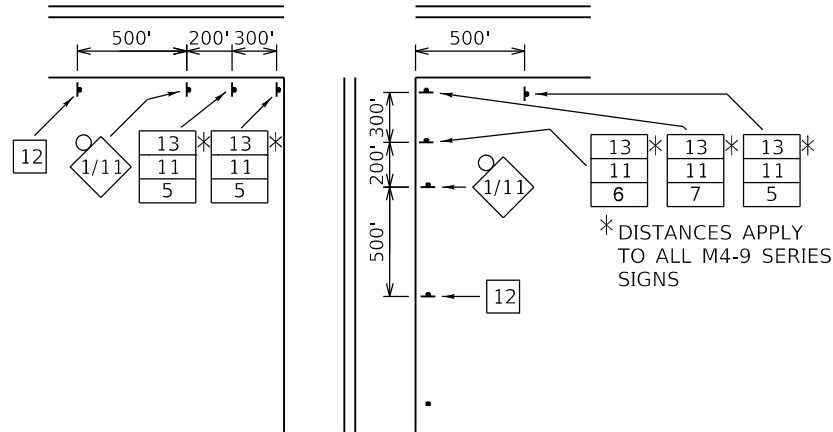


# TYPICAL INTERSECTION AT POINT OF DETOUR

## TYPICAL DETOUR ASSEMBLY SIGN



SIGN NO. 13  
SIGN NO. 11  
SIGNS NO. 5 TO 9



\*DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

## SPECIAL DETOUR NOTES:

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 95 FOR THE DETOUR GENERAL NOTES.
2. SEE SHEET 96 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.



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



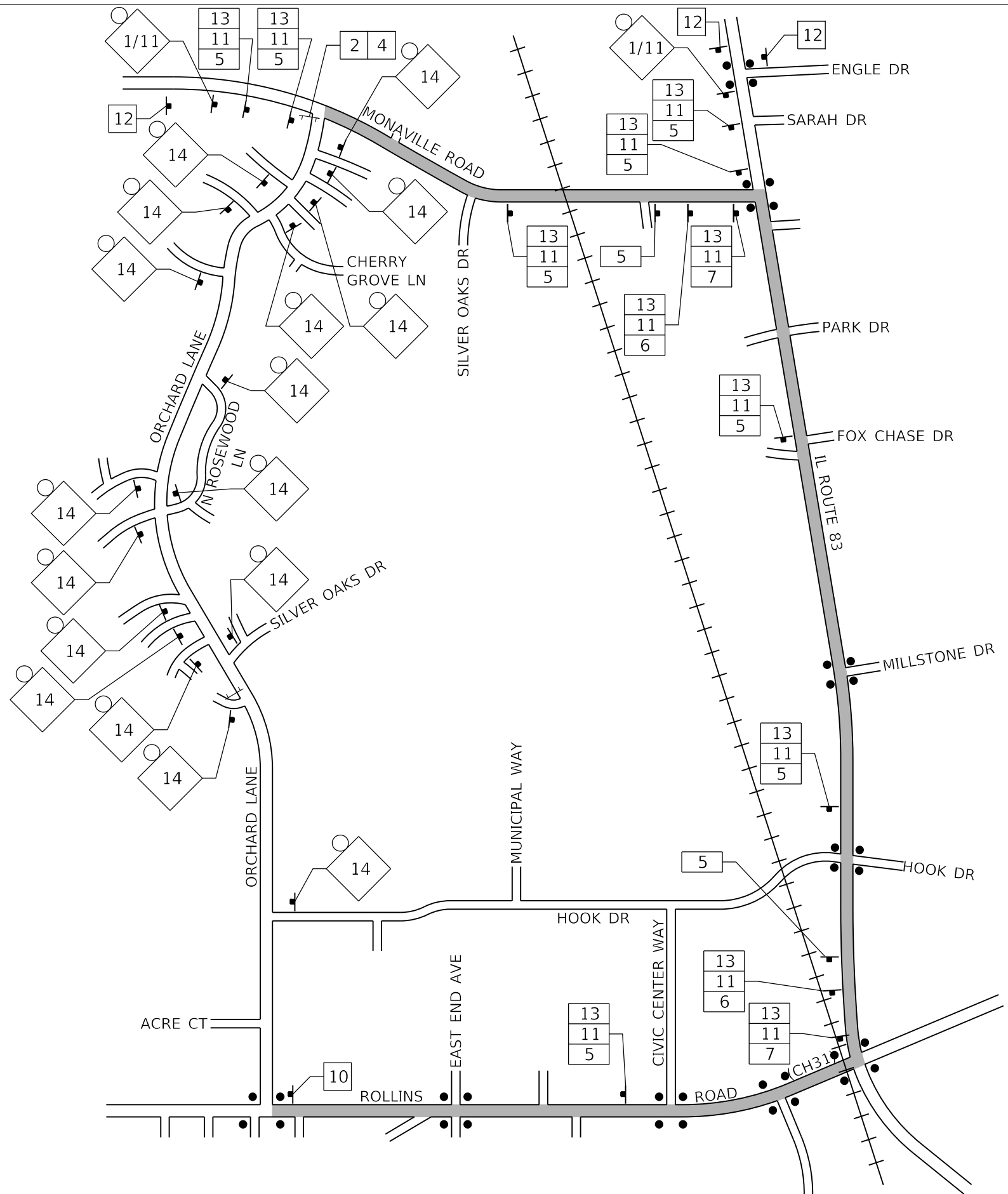
TYPE III BARRICADE WITH AMBER FLASHING LIGHTS



DETOUR ROUTE

THE DURATION OF THE DETOUR SHALL NOT EXCEED 70 WORKING DAYS.

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



**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
MODEL: Model1  
FILE NAME: 4600.016-pnt-detour\_43a923e4.dgn

4600.016-041

USER NAME = pswiatek	DESIGNED - MJV	REVISED -
DRAWN - PJS	REVISED -	
PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
PLOT DATE = 2/13/2019	DATE - 2/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN - STAGE 3 AND 4**  
**ORCHARD LANE**  
SCALE: NONE SHEET OF SHEETS STA. 95 TO STA. 96

F.A.U. RTE. 1048	SECTION 15-00078-00-PV	COUNTY LAKE	TOTAL SHEETS 228	SHEET NO. 100
MUN. RTE. 1061	ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F65	