MUN RE	MUN RTE	MUN RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	1120	0050	17-00080-00-PV	LAKE	150	1
				ILLINOIS	CONTRACT NO. 61J86	

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

06-13-2025 LETTING ITEM 241

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

MUN 1061 (HOOK DRIVE)
FROM ORCHARD LANE TO NICOLE LANE
MUN 0050 (NICOLE LANE)
FROM ROLLINS ROAD TO HOOK DRIVE
MUN 1120 (WOODBINE DRIVE) AT ROLLINS ROAD
ROAD EXTENSION, WIDENING, AND RESURFACING
SECTION 17–00080–00–PV
PROJECT K3I9(521)
VILLAGE OF ROUND LAKE BEACH
LAKE COUNTY
C–91–296–19

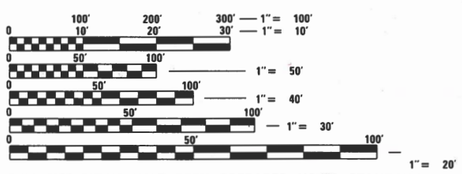
HIGHWAY CLASSIFICATION
MAJOR COLLECTOR (NICOLE LANE AND HOOK DRIVE)
LOCAL ROAD (WOODBINE DRIVE)
MINOR ARTERIAL (ROLLINS ROAD)

NICOLE LANE TRAFFIC DATA
2017 ADT = 4,300
2050 ADT = 5,300
POSTED SPEED LIMIT: 25 MPH
DESIGN SPEED: 25 MPH

WOODBINE DRIVE TRAFFIC DATA
2017 ADT = 870
2050 ADT = 1,150
POSTED SPEED LIMIT: 25 MPH
DESIGN SPEED: 25 MPH

HOOK DRIVE TRAFFIC DATA
2018 ADT = 0
2050 ADT = 6,700
POSTED SPEED LIMIT: 25 MPH
DESIGN SPEED: 30 MPH

ROLLINS ROAD TRAFFIC DATA
2018 ADT = 36,800 (WEST) 30,150 (EAST)
2050 ADT = 42.900 (WEST) 34,100 (EAST)
POSTED SPEED LIMIT: 40 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.

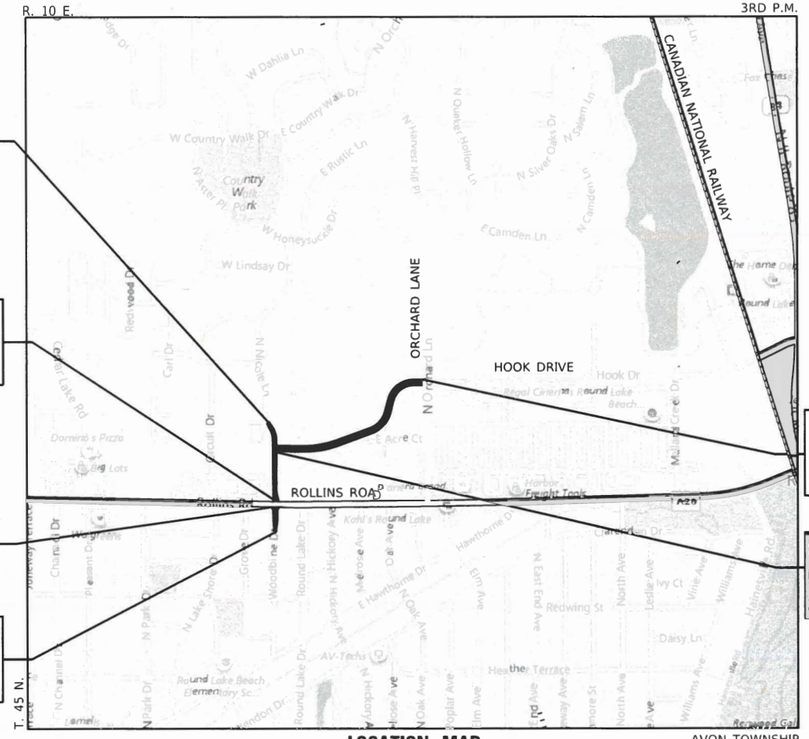
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

END IMPROVEMENT, NICOLE LANE, STA. 18 + 51.00

BEGIN IMPROVEMENT, NICOLE LANE, STA. 9 + 87.87

END IMPROVEMENT, WOODBINE DRIVE, STA. 9 + 29.94

BEGIN IMPROVEMENT, WOODBINE DRIVE, STA. 6 + 49.93



END CONSTRUCTION, HOOK DRIVE, STA. 99 + 83.08

BEGIN CONSTRUCTION, HOOK DRIVE, STA. 81 + 84.09

LOCATION MAP

LOCATION OF SECTION INDICATED THUS:–

SIGNED: Michael J. Vasak
ENGINEER

DATE: APRIL 11, 2025
EXP. 11/30/2025

MICHAEL J. VASAK 062-064621 LICENSED PROFESSIONAL ENGINEER OF STATE OF ILLINOIS

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
VILLAGE OF ROUND LAKE BEACH, VILLAGE ADMINISTRATOR

PASSED May 1, 2025
DISTRICT ONE ENGINEER OF LOCAL ROADWAY SYSTEM
SAF

RELEASING FOR BID BASED ON LIMITED REVIEW May 1st, 2025
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

CONTRACT NO. 61J86

WOODBINE DRIVE
GROSS AND NET LENGTH = 280.01 FT. = 0.053 MILES

NICOLE LANE
GROSS AND NET LENGTH = 855.84 FT. = 0.162 MILES

HOOK DRIVE
GROSS AND NET LENGTH = 1898.99 FT. = 0.360 MILES

INDEX OF SHEETS

GENERAL NOTES

1. 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.

2. 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.

3. 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.

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

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

6. 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.

7. 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.

8. 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.

COMMITMENTS

1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

2. ACCESS SHALL BE MAINTAINED TO SIDE STREETS, PRIVATE PROPERTY, AND COMMERCIAL PROPERTY AT ALL TIMES DURING CONSTRUCTION.

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.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN, TYPE A
602301-04	INLET- TYPE A
602306-03	INLET- TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602411-09	PRECAST MANHOLE TYPE A 7' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15’ (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15’ (4.5 M) TO 24” (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING SIGN SUPPORT
814001-03	HANDHOLES
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

LAKE COUNTY STANDARD DETAILS

LC2501	PERIMETER EROSION BARRIER INSTALLATION
LC4201	DETECTABLE WARNINGS AND PEDESTRIAN PUSHBUTTON LOCATIONS
LC4202	CONCRETE WASHOUT FACILITIES
LC4204	CURB FLARES FOR SIDEWALKS
LC7004	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS
LC7201	TEMPORARY CONSTRUCTION INFORMATION SIGNS
LC7203	WORK ZONE SPEED LIMIT SIGNING DIAGRAM
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC8900	CAMERA MOUNTING DETAILS
LC8901	TEMPORARY AUTOSCOPE INSTALLATION

DISTRICT 1 STANDARDS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15’ (4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER LESS THAN 15’ (4.5 m)
BD-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BD-36	FIRE HYDRANT TO BE MOVED
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DICTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-26	DRIVEWAY ENTRANCE SIGNING

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.

PROJECT SPECIFIC NOTES (CONTINUED)

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 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. 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.

8. SPREAD TOPSOIL ON ALL DISTURBED AREAS AND PROPOSED GREEN AREAS. TOPSOIL SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 1081.05.

9. 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.

10. ALL SIGNAGE SHALL HAVE TYPE ZZ SHEETING.

11. 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.

12. 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.

13. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

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.

19. 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.

20. ANY PAVEMENT REMOVAL REQUIRED FOR THE INSTALLATION OF PROPOSED STORM SEWER LATERALS OR WATER MAIN ADJUSTMENTS 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. NO FULL-TIME LANE CLOSURES SHALL BE ALLOWED.

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.

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.

ALL APPLICABLE 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.

LAKE COUNTY DIVISION OF TRANSPORTATION GENERAL NOTES

1. THE REVIEW AND APPROVAL OF THESE FINAL ENGINEERING PLANS AND SPECIFICATIONS BY THE LAKE COUNTY DIVISION OF TRANSPORTATION DOES NOT CONSTITUTE A RELEASE FROM OR GRANT OF VARIATION FROM THE STANDARDS AND SPECIFICATIONS REQUIRED IN THE LAKE COUNTY HIGHWAY ACCESS AND USE ORDINANCE, LATEST EDITION. THE PERMITTEE, THE PERMITTEE'S DESIGNATED REPRESENTATIVES, AND/OR ALL SUCCESSORS AND ASSIGNS SHALL BE SOLELY RESPONSIBLE FOR ALL WORK AND IMPROVEMENTS WITHIN THE LIMITS OF THE COUNTY HIGHWAY RIGHT-OF-WAY. UNLESS OTHERWISE SPECIFIED, APPROVED IN WRITING BY THE LAKE COUNTY COUNTY ENGINEER, AND ON FILE WITH THE LAKE COUNTY DIVISION OF TRANSPORTATION, ALL WORK AND MATERIALS NECESSARY TO PERFORM WORK WITHIN THE LIMITS OF THE COUNTY HIGHWAY RIGHT-OF-WAY SHALL BE IN CONFORMANCE WITHTHE PROVISIONS AND REQUIREMENTS OF THE LAKE COUNTY HIGHWAY ACCESS AND USE ORDINANCE, LATEST EDITION.

2. THE CONSTRUCTION, INCLUDING MATERIALS USED, OF THIS IMPROVEMENT SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE MOST RECENT EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," AND THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," INCLUDING ALL AMENDMENTS AND SUCCESSOR DOCUMENTS TO THE AFOREMENTIONED DOCUMENTS AS PUBLISHED OR ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR LCDOT UNLESS OTHERWISE STATED IN THESE ENGINEERING PLANS.

3. THE CONSTRUCTION OF THE IMPROVEMENTS SHALL ALSO BE IN ACCORDANCE WITH THE "LAKE COUNTY HIGHWAY ACCESS AND USE ORDINANCE," LATEST EDITION.

4. THE LAKE COUNTY DIVISION OF TRANSPORTATION SHALL NOT BE HELD LIABLE FOR ANY ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS OR FOR ANY ADDITIONAL WORK, WHICH MAY BE NEEDED DUE TO ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS.

5. THE PERMITTEE SHALL BE RESPONSIBLE FOR ANY ADDITIONAL WORK, AND ALL COSTS THEREOF, REQUIRED BECAUSE OF ERRORS OR OMISSIONS IN THESE ENGINEERING PLANS AND FOR THE CORRECTION OF ANY CONSTRUCTION, MAINTENANCE, OR SAFETY PROBLEMS, WHICH BECOME APPARENT DURING CONSTRUCTION OR BY INSPECTIONS MADE BY THE RESIDENT ENGINEER OR THE LAKE COUNTY DIVISION OF TRANSPORTATION.

6. PAVEMENT SMOOTHNESS FOR BITUMINOUS PAVEMENTS (WITHIN LAKE COUNTY ROW):
A.) THE FOLLOWING SMOOTHNESS REQUIREMENTS SHALL APPLY TO THE SURFACE COURSE:
- FOR MAINLINE TRAFFIC LANES THE PAVEMENT SURFACE SHALL NOT VARY MORE THAN ▯ INCH IN A 10-FOOT DISTANCE AS MEASURED ALONG THE WHEEL PATH.
- FOR TURNING LANES, INCLUDING BY-PASS LANES, THE PAVEMENT SURFACE SHALL NOT VARY MORE THAN ¼ INCH IN A 10-FOOT DISTANCE AS MEASURED ALONG THE WHEEL PATH.

B.) IN ORDER TO SATISFY THE ABOVE SMOOTHNESS REQUIREMENTS FOR A PAVEMENT OVERLAY, THE EXISTING PAVEMENT MAY NEED LEVELING BINDER OR COLD MILLING IN ORDER TO PROVIDE A PROPER BASE FOR THE BITUMINOUS BINDER COURSE. THE RESIDENT ENGINEER SHALL DETERMINE IF LEVELING BINDER OR COLD MILLING WILL BE NECESSARY.
C.) THE LAKE COUNTY DIVISION OF TRANSPORTATION SHALL REQUIRE, AT ITS DISCRETION, THE TESTING OF THE PAVEMENT FOR SMOOTHNESS. FOR ANY SUCH TESTING, THE BITUMINOUS CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNING AND TWO FLAGGERS. A REPRESENTATIVE OF THE BITUMINOUS CONTRACTOR AND THE RESIDENT ENGINEER (OR REPRESENTATIVE) SHALL BE PRESENT DURING TESTING. ANY PAVEMENT AREAS THAT DO NOT PASS THE ABOVE SMOOTHNESS REQUIREMENTS SHALL BE REMOVED BY THE GRINDING METHOD TO A 2 INCH MINIMUM DEPTH AND RESURFACED WITH HOT-MIX ASPHALT SURFACE COURSE OF THE MIX DESIGN SPECIFIED.

7. THE RESIDENT ENGINEER SHALL BE RESPONSIBLE FOR ESTABLISHING THE PROPER LINES AND GRADES FOR ALL CONSTRUCTION WORK INCLUDING EARTHWORK, PAVING, CURBING AND DRAINAGE. THE RESIDENT ENGINEER SHALL ALSO BE RESPONSIBLE FOR ALL OTHER ENGINEERING WORK INCLUDING INSPECTIONS AND ANY TESTING REQUIRED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. AN INSPECTOR, AS PROVIDED OR APPROVED BY THE RESIDENT ENGINEER, SHALL BE PRESENT DURING CRITICAL PHASES OF THE CONSTRUCTION WORK.

8. THE RESIDENT ENGINEER SHALL NOTE ANY CHANGES FROM THESE ENGINEERING PLANS AND SHALL NOTIFY THE PERMIT DEPARTMENT OF THE LAKE COUNTY DIVISION OF TRANSPORTATION ABOUT ANY CHANGES THAT DEVIATE FROM THE INTENT OF THE ENGINEERING PLANS SUCH AS CHANGES IN DRAINAGE, GEOMETRIC PLAN, OR GRADING WORK.

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	255			249		6	
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	90			90			
*	20101100	TREE TRUNK PROTECTION	EACH	58			50	4	4	
	20200100	EARTH EXCAVATION	CU YD	12,723			11,853	150	720	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	751			751			
	20400800	FURNISHED EXCAVATION	CU YD	2,054			2,015	12	27	
	20800150	TRENCH BACKFILL	CU YD	1,930	865		604	289	172	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,251			2,251			
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4,682			4,450	51	181	
*	25000110	SEEDING, CLASS 1A	ACRE	2.75			2.25	0.25	0.25	
*	25000312	SEEDING, CLASS 4A	ACRE	1.00			1.00			
*	25000314	SEEDING, CLASS 4B	ACRE	0.75			0.75			
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	218			193	7	18	
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	218			193	7	18	
*	25100630	EROSION CONTROL BLANKET	SQ YD	18,021			16,732	339	950	

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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FILE NAME = 4600-034-sht-SOQ 1.dgn	USER NAME = mvasak	DESIGNED - MJV	REVISED -
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	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
Default	PLOT DATE = 5/13/2025	DATE - 5/13/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	4
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	426			426			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	355			355			
	28000400	PERIMETER EROSION BARRIER	FOOT	7,617			5,223	535	1,859	
	28000510	INLET FILTERS	EACH	62			31	16	15	
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	16,732			16,732			
	28100105	STONE RIPRAP, CLASS A3	SQ YD	29			29			
	28100107	STONE RIPRAP, CLASS A4	SQ YD	95			95			
	28200200	FILTER FABRIC	SQ YD	123			123			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	601			601			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9,004			9,004			
	31101700	SUBBASE GRANULAR MATERIAL, TYPE B 9"	SQ YD	1,939				569	1,370	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,925			2,489	53	383	
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	76				76		
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	494				33	461	

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
35600650	HOT-MIX ASPHALT BASE COURSE WIDENING, 4"	SQ YD	1,269				398	871	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	20,615			17,760	895	1,960	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,904			3,552	347	1,005	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	7,225			5,246	425	1,554	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7				2	5	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	95				44	51	
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	308				46	262	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,003			2,653	210	140	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,482			885	142	455	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	326			299	27		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	22,803			19,137	226	3,440	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	569			569			
42400800	DETECTABLE WARNINGS	SQ FT	168			71	54	43	
44000100	PAVEMENT REMOVAL	SQ YD	875			875			

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2,673					2,673	
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	703				703		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	869			83	193	593	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,675			389	184	2,102	
44000600	SIDEWALK REMOVAL	SQ FT	756			139	617		
44004250	PAVED SHOULDER REMOVAL	SQ YD	40				40		
44201670	CLASS D PATCHES, TYPE I, 2 INCH	SQ YD	18				4	14	
44201672	CLASS D PATCHES, TYPE II, 2 INCH	SQ YD	50				19	31	
44201674	CLASS D PATCHES, TYPE III, 2 INCH	SQ YD	114				35	79	
44201676	CLASS D PATCHES, TYPE IV, 2 INCH	SQ YD	120				45	75	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	15				15		
50105220	PIPE CULVERT REMOVAL	FOOT	119				119		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5			4	1		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1			1			

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GEWALT HAMILTON ASSOCIATES, INC.

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FILE NAME: 4600-034-sht-SOQ 4.dgn

FILE NAME = 4600-034-sht-SOQ 4.dgn	USER NAME = mvasak	DESIGNED - MJV	REVISED -
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	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	7

CONTRACT NO. 61J86

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3			3			
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	87			87			
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	4				4		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	273			115	73	85	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	67			50	17		
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	171			171			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	46			46			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,100			873		227	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	493			493			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	620			620			
550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	37				37		
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	70				70		
550A4900	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	123				123		
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	70				70		

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SUMMARY OF QUANTITIES

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	550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	22				22		
	55100300	STORM SEWER REMOVAL 8"	FOOT	30				30		
	55100400	STORM SEWER REMOVAL 10"	FOOT	6				6		
	55100500	STORM SEWER REMOVAL 12"	FOOT	304				167	137	
	55100700	STORM SEWER REMOVAL 15"	FOOT	16				16		
*	56106400	ADJUSTING WATER MAIN 8"	FOOT	64				32	32	
*	56109210	WATER VALVES TO BE ADJUSTED	EACH	5			1	4		
*	56108900	TAPPING VALVES AND SLEEVES 8"	EACH	2	2					
*	56300300	ADJUSTING WATER SERVICE LINES	FOOT	14				14		
*	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2				1	1	
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	6,516			4,259	624	1,633	
	60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7			7			
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1				1		
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2				1	1	

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GEWALT HAMILTON ASSOCIATES, INC.

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FILE NAME: 4600-034-snt-SOQ 6.dgn

FILE NAME = 4600-034-snt-SOQ 6.dgn 4600.054 Default	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	9
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1					1	
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1			1			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13			10		3	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3				3		
60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3			2	1		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3			1		2	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			1	1		
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1				1		
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1				1		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	7			6	1		
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6			5	1		
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	3					3	
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	6			3	2	1	
60240312	INLETS, TYPE B, TYPE 11V FRAME AND GRATE	EACH	12			12			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	10

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					
	60255500	MANHOLES TO BE ADJUSTED	EACH	1					1	
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1			1			
	60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1			1			
	60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	4			2	1	1	
	60500040	REMOVING MANHOLES	EACH	4				2	2	
	60500050	REMOVING CATCH BASINS	EACH	2				2		
	60500060	REMOVING INLETS	EACH	8				1	7	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6,346			3,876	606	1,864	
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	187					187	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	6					6	
*	66901001	REGULATED SUBSTANCE PRE-CONSTRUCTION PLAN	L SUM	1					1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1					1	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6					6	

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-SOQ 8.dgn

FILE NAME = 4600-034-sht-SOQ 8.dgn 4600.054 Default	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	11

CONTRACT NO. 61J86
ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
	67100100	MOBILIZATION	L SUM	1			1			
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1			0.4	0.3	0.3	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			0.4	0.3	0.3	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1			0.5		0.5	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	365			365			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,139			1,265	261	613	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	714			422	87	205	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	42			33		9	
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	3			3			
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2			2			
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	75			60		15	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	337			227		110	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,214			3,687	410	2,117	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,598			4,000	215	383	

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	448			202	143	103	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	175			56	33	86	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	621			523		98	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,994		3,852				142
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46						46
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	420						420
*	81400100	HANDHOLE	EACH	2						2
*	81400300	DOUBLE HANDHOLE	EACH	1						1
*	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	931						931
*	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4						4
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	120		120				
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	809						809
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,137						1,137
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,756						1,756

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,440						1,440
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	158						158
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	617						617
	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20						20
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60						60
*	87900200	DRILL EXISTING HANDHOLE	EACH	6						6
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6						6
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4						4
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4						4
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4						4
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6						6
*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10						10
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1						1
*	88700200	LIGHT DETECTOR	EACH	2						2
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						1

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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FILE NAME: 4600-034-sht-SOQ 11.dgn

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	PLOT DATE = 5/2/2025	DATE - 5/1/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	14
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1						1
*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1						1
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,564						1,564
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	987						987
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1						1
*	89502380	REMOVE EXISTING HANDHOLE	EACH	6						6
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9						9
*	A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	26			26			
*	A2004516	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	24			24			
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	23			23			
*	K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	0.2			0.2			
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	286						286
*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	323						323
	X0327301	RELOCATE EXISTING MAILBOX	EACH	2				2		

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	15
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4						4
*	X1200198	SANITARY SEWERS, PVC, 8"	FOOT	1,502	1,502					
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1						1
*	X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1						1
*	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	733						733
*	X2010404	STUMP REMOVAL	EACH	676			661	15		
*	X2010510	CLEARING AND GRUBBING	L SUM	1			0.4	0.3	0.3	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4				4		
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6				2	4	
	X4421768	CLASS D PATCHES, TYPE IV, 10 INCH (SPECIAL)	SQ YD	27	27					
	X5220102	RETAINING WALL REMOVAL	FOOT	11			11			
	X5510010	STORM SEWER CONNECTION	EACH	10				5	5	
*	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2	2					
*	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	5	5					

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
	X6020095	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2			2			
	X6020294	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1				1		
	X6022040	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1					1	
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12					
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	4			1	3		
	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1					1	
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2				1	1	
	X6640104	FENCE REMOVAL	FOOT	852			852			
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	12			12			
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	66				31	35	
	X7240502	RELOCATE SIGN, SPECIAL	EACH	1					1	
*	X8100105	CONDUIT SPLICE	EACH	1						1
*	X8250510	LIGHTING CONTROLLER FOUNDATION	EACH	1		1				
*	X8750516	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4						4

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	17
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6						6
*	X8770139	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	3						3
*	X8770152	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. (SPECIAL)	EACH	1						1
*	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1						1
	XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	1				1		
*	XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1						1
*	XX009157	WATER MAIN 8" (SPECIAL)	FOOT	1,666	1,666					
	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1			1			
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	89			89			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1			0.4	0.3	0.3	
	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1						1
	Z0056635	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 30 INCH	FOOT	21				21		
	Z0056643	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 42 INCH	FOOT	28				28		
	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	141			61	42	38	

* SPECIALTY ITEM # - CONSTRUCTION TYPE CODE 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	18
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE WATER MAIN SANITARY SEWER 0043	CONSTRUCTION TYPE CODE 100% ROUND LAKE BEACH HOOK DRIVE FUTURE LIGHTING FOUNDATION AND CONDUIT 0021	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH HOOK DRIVE 0001	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH WOODBINE DRIVE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH NICOLE LANE 0006	CONSTRUCTION TYPE CODE 80% FEDERAL / 20% ROUND LAKE BEACH ROLLINS ROAD TRAFFIC SIGNAL 0021
	Z0056650	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	13			13			
	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	29			21		8	
	Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	23			23			
*	Z0067400	STEEL CASINGS 14"	FOOT	24	24					
#	Z0076600	TRAINEES	HOUR	500			500			
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500			

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

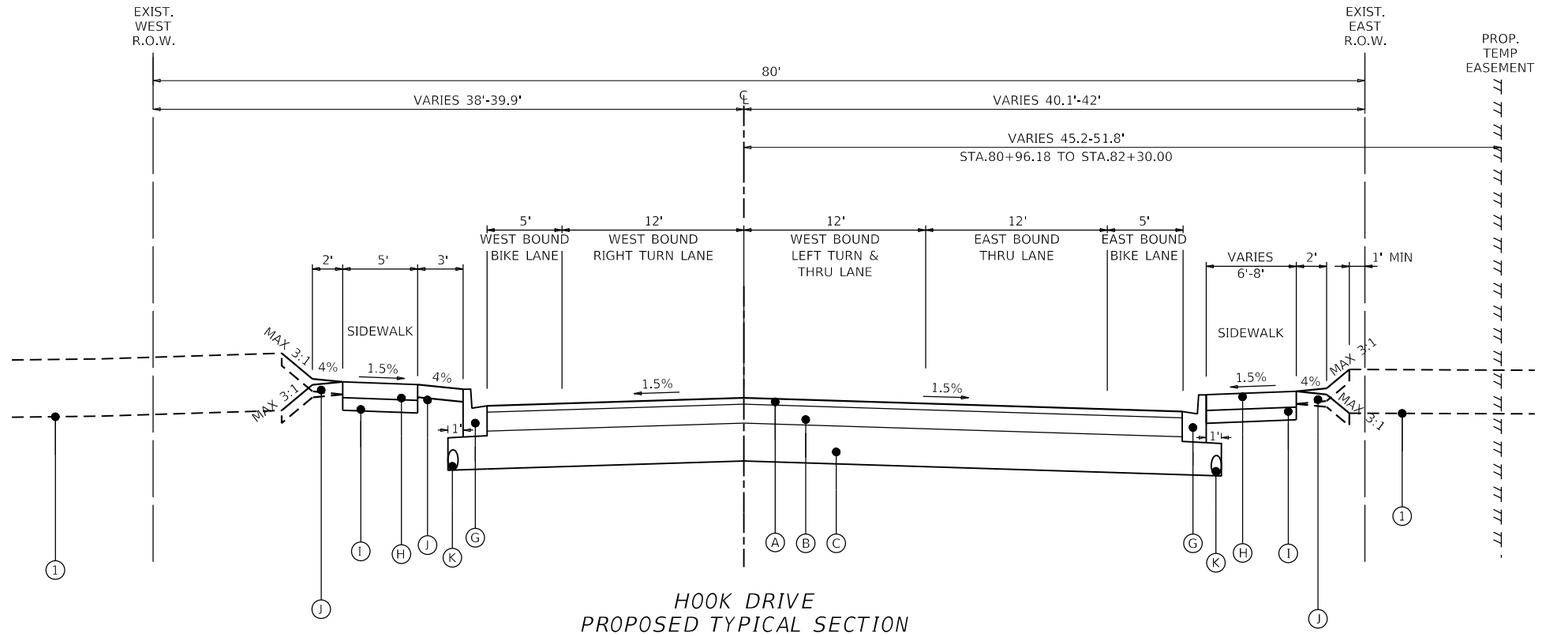
SUMMARY OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	19

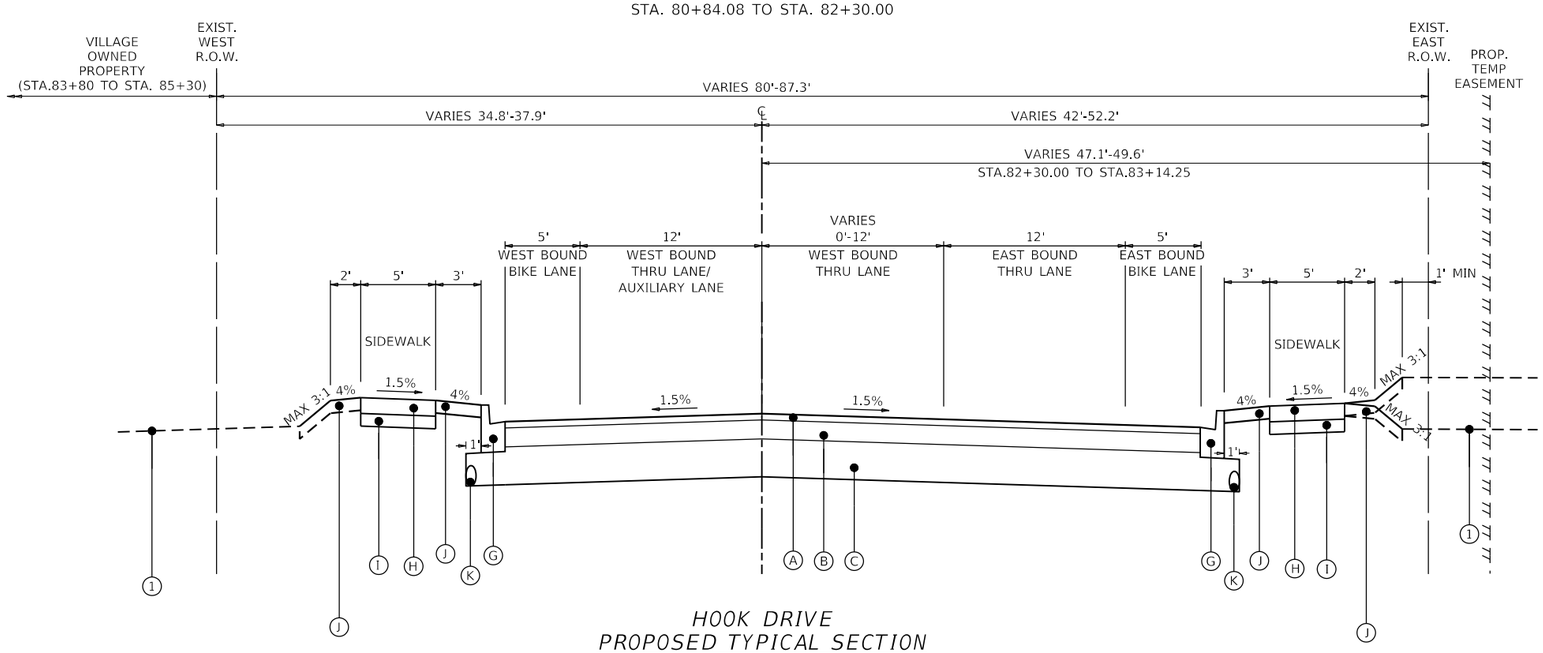
CONTRACT NO. 61J86

ILLINOIS FED. AID PROJECT



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 80+84.08 TO STA. 82+30.00



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 82+30.00 TO STA. 85+30.00

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/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 RECLAIMED MATERIALS SPECIFICATIONS

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER AND UNDER THE TOP BINDER LIFT ON HOOK DRIVE.

THE CONTRACTOR SHALL MILL WOODBINE DRIVE AND NICOLE LANE BEFORE PATCHING.

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOOK DRIVE NEW CONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	4% @ 50 Gyr.	LR 1030-2
NICOLE LANE PAVEMENT OVERLAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 1.5" TO 2.25" MAX	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" TO 2.7"	4% @ 50 Gyr.	LR 1030-2
NICOLE LANE PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 1.5" TO 2.25" MAX	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" TO 2.7"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19 mm); 4"	4% @ 50 Gyr.	LR 1030-2
WOODBINE DRIVE PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 1.5" TO 2.25" MAX	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" TO 6.7"	4% @ 50 Gyr.	LR 1030-2
WOODBINE DRIVE PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 1.5" TO 2.25" MAX	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.25" TO 6.7"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19 mm); 4"	4% @ 50 Gyr.	LR 1030-2
HMA DRIVEWAYS - NICOLE LANE AND WOODBINE DRIVE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% @ 50 Gyr.	LR 1030-2
CLASS D PATCHES		
HMA BINDER COURSE, IL-9.5, N50	4% @ 50 Gyr.	LR 1030-2
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; TOP 2"	4% @ 50 Gyr.	LR 1030-2
HMA BINDER COURSE, IL-19.0, N50	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT SHOULDERS, 6" - ROLLINS ROAD AND WOODBINE DRIVE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR 1030-2
HMA BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-PR Hook 1.dgn

FILE NAME = 4600-034-sht-typical-PR Hook 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
TYPICAL SECTIONS	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

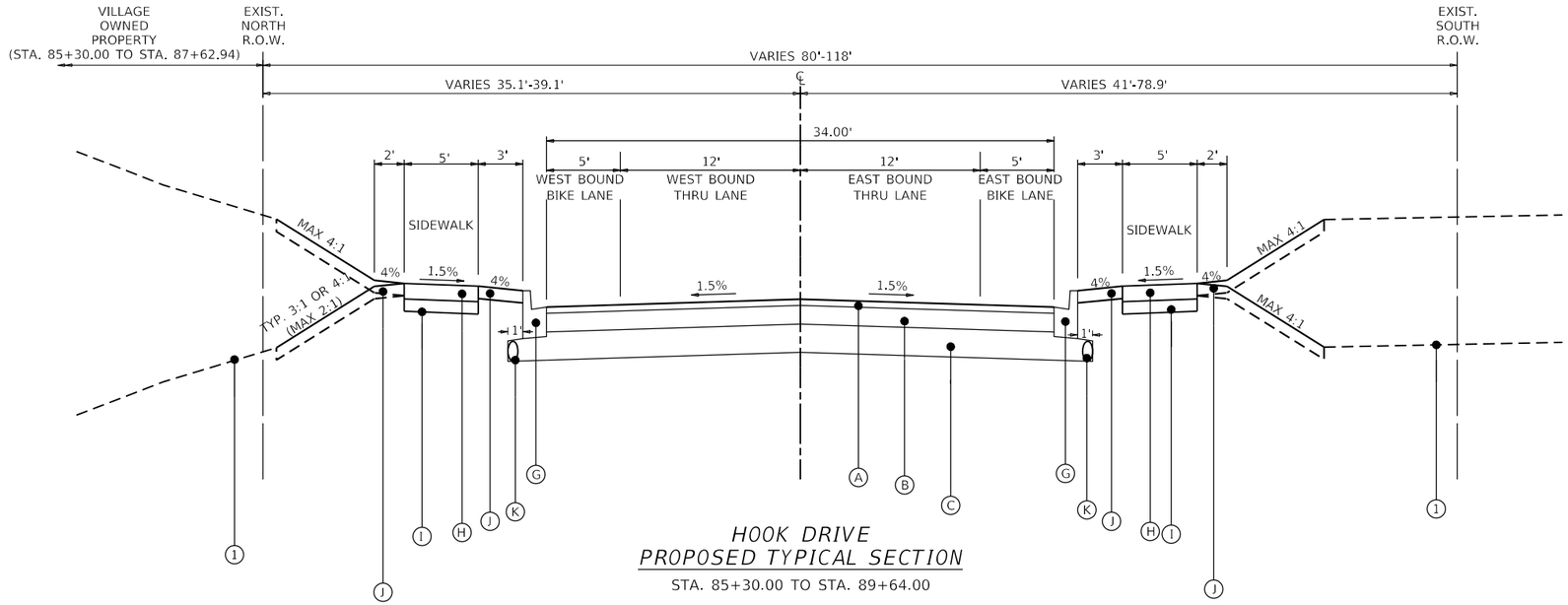
PROPOSED TYPICAL SECTION
HOOK DRIVE

SCALE: NTS | SHEET 1 OF 7 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	20

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 85+30.00 TO STA. 89+64.00

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

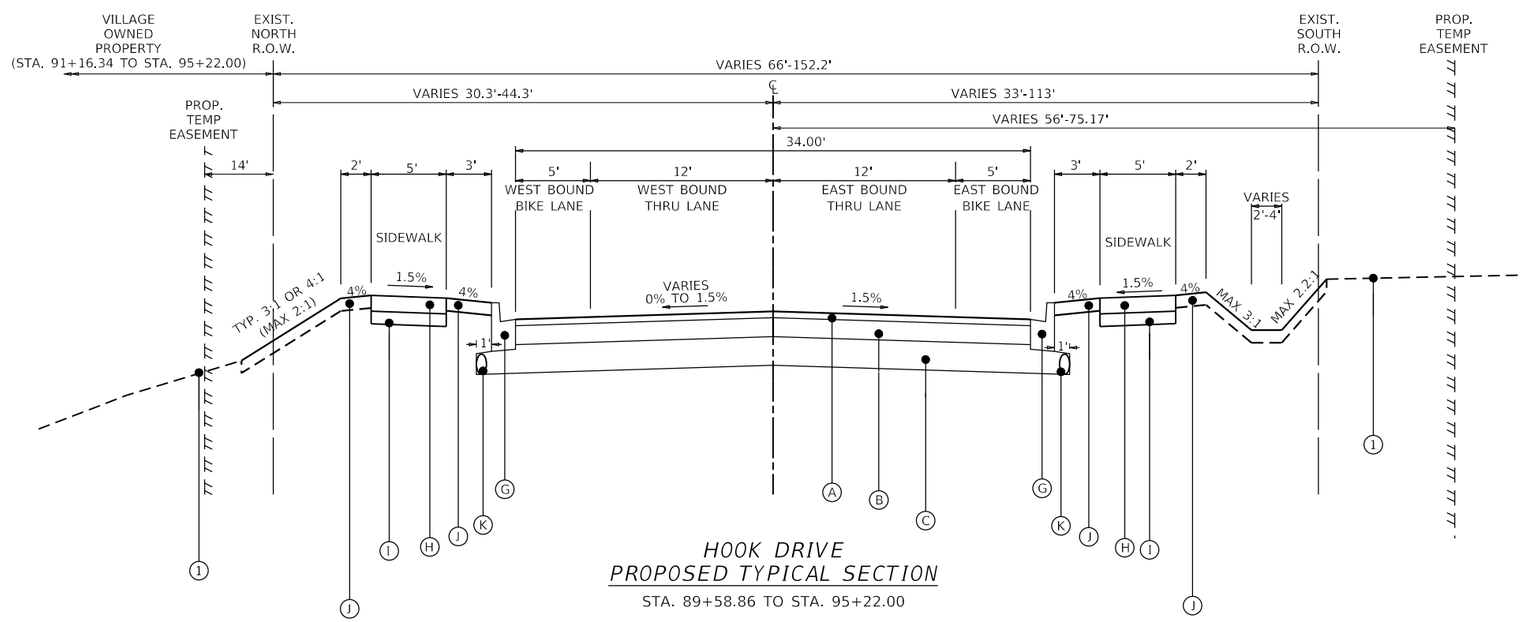
G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 89+58.86 TO STA. 95+22.00

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-PR Hook 2.dgn

FILE NAME = 4600-034-sht-typical-PR Hook 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
TYPICAL SECTIONS	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

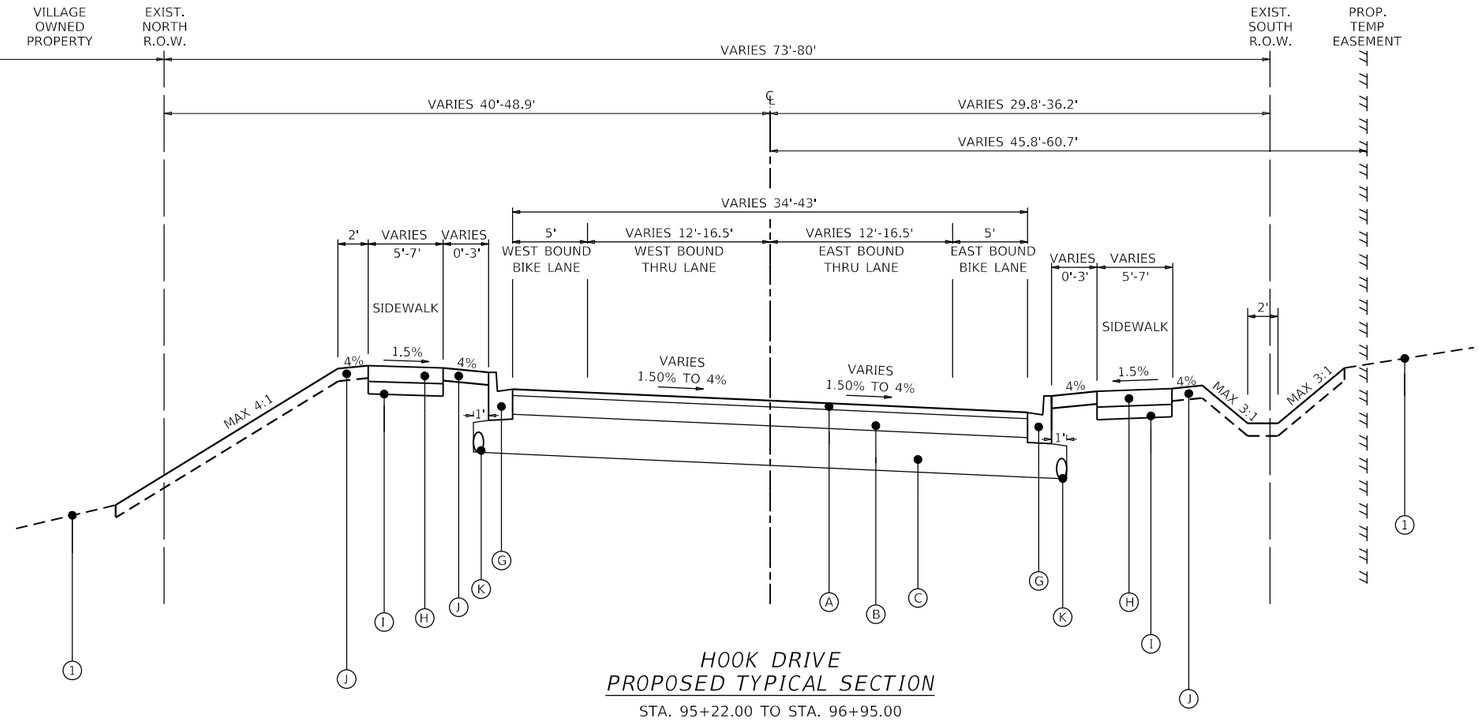
PROPOSED TYPICAL SECTION
HOOK DRIVE

SCALE: NTS | SHEET 2 OF 7 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	21

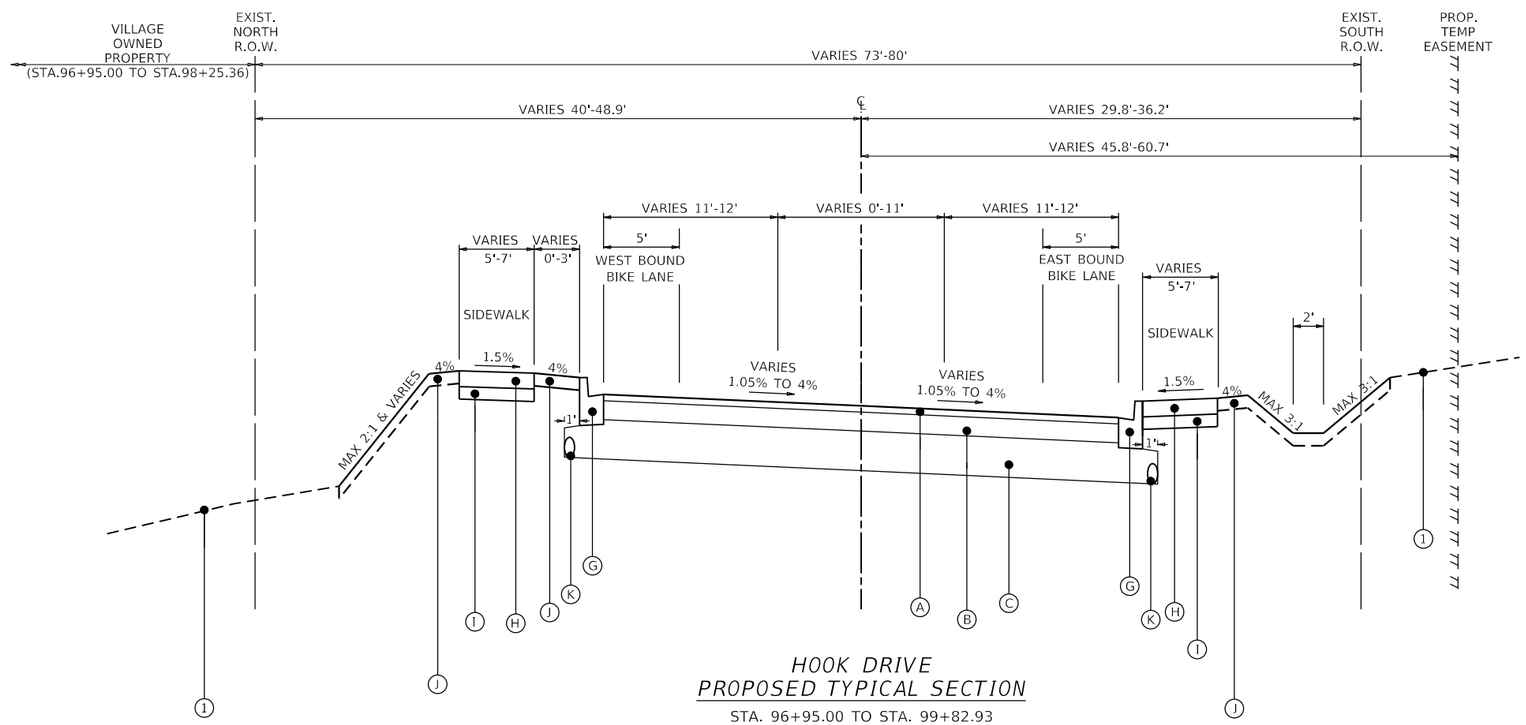
CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 95+22.00 TO STA. 96+95.00



HOOK DRIVE
PROPOSED TYPICAL SECTION

STA. 96+95.00 TO STA. 99+82.93

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-PR Hook 3.dgn

FILE NAME = 4600-034-sht-typical-PR Hook 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
TYPICAL SECTIONS	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

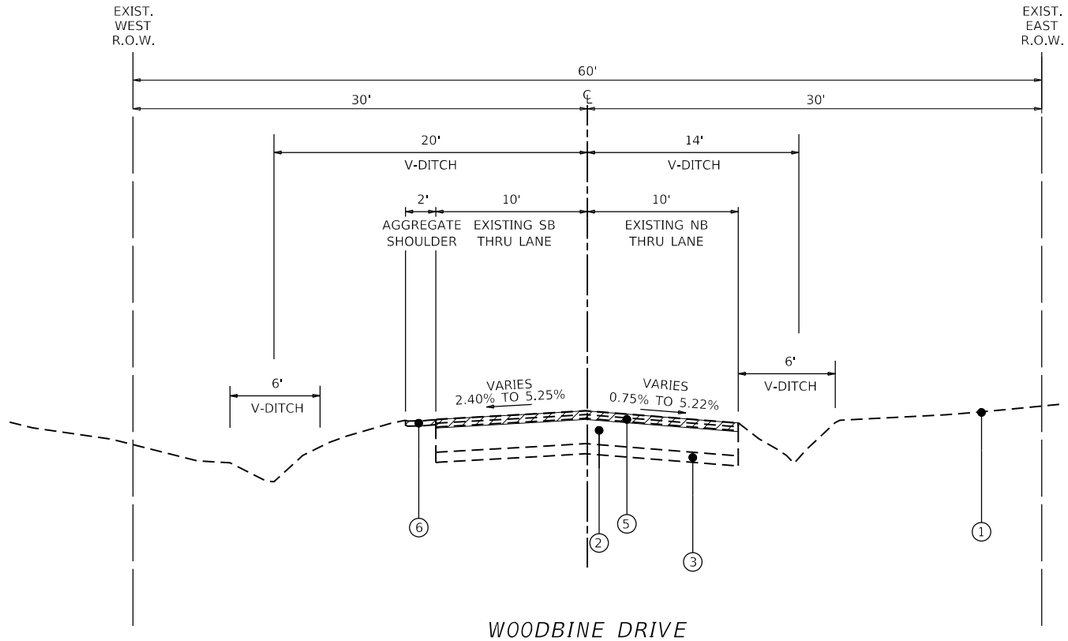
PROPOSED TYPICAL SECTION
HOOK DRIVE

SCALE: NTS | SHEET 3 OF 7 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	22

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



WOODBINE DRIVE
EXISTING TYPICAL SECTION

STA. 6+49.93 TO STA. 8+00.00

REMOVAL ITEMS

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

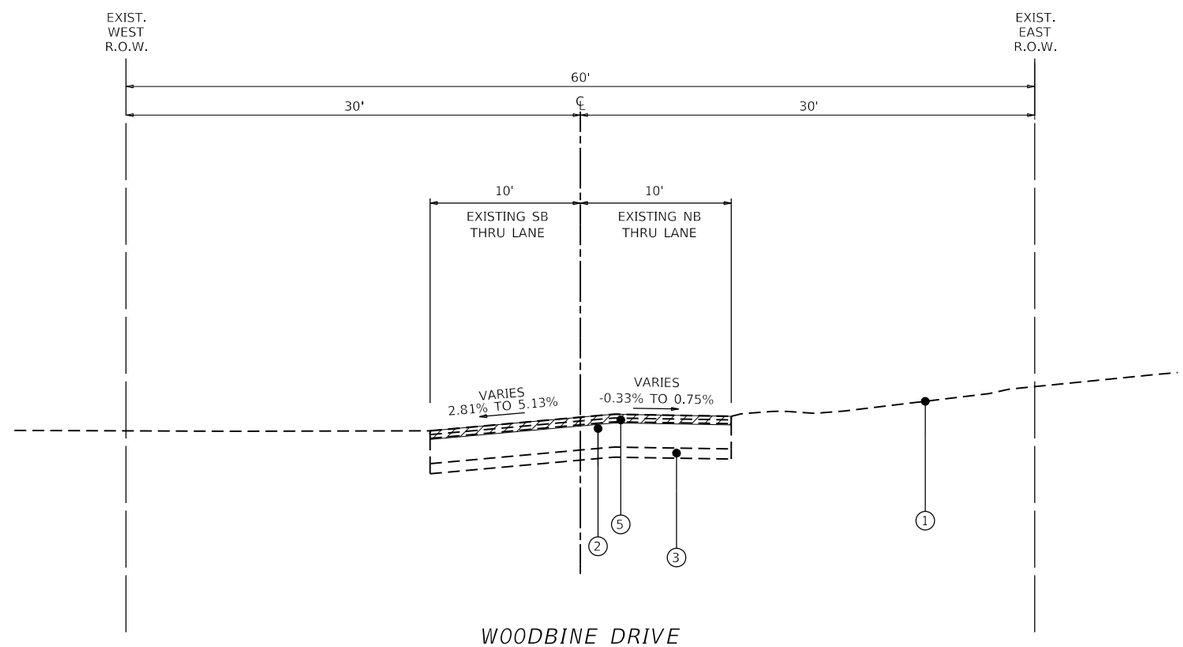
G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"



WOODBINE DRIVE
EXISTING TYPICAL SECTION

STA. 8+00.00 TO STA. 9+29.94

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-EX Woodbine 1.dgn

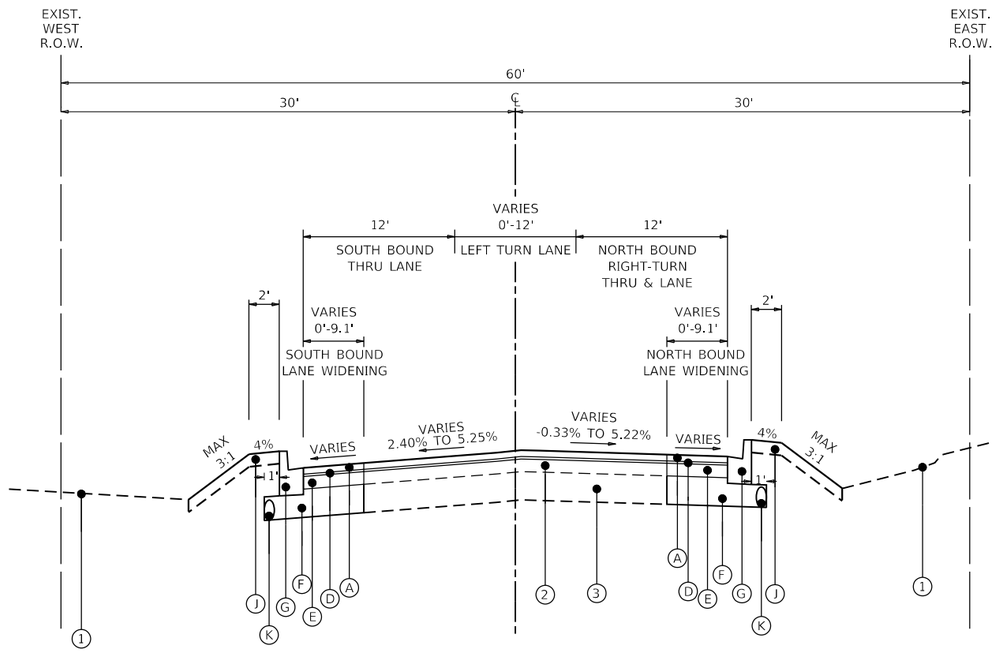
FILE NAME = 4600-034-sht-typical-EX Woodbine 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
TYPICAL SECTIONS	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION
WOODBINE DRIVE

SCALE: NTS | SHEET 4 OF 7 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	23
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



WOODBINE DRIVE
PROPOSED TYPICAL SECTION

STA. 6+49.93 TO STA. 9+29.94

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE IL-9.5 N50.

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

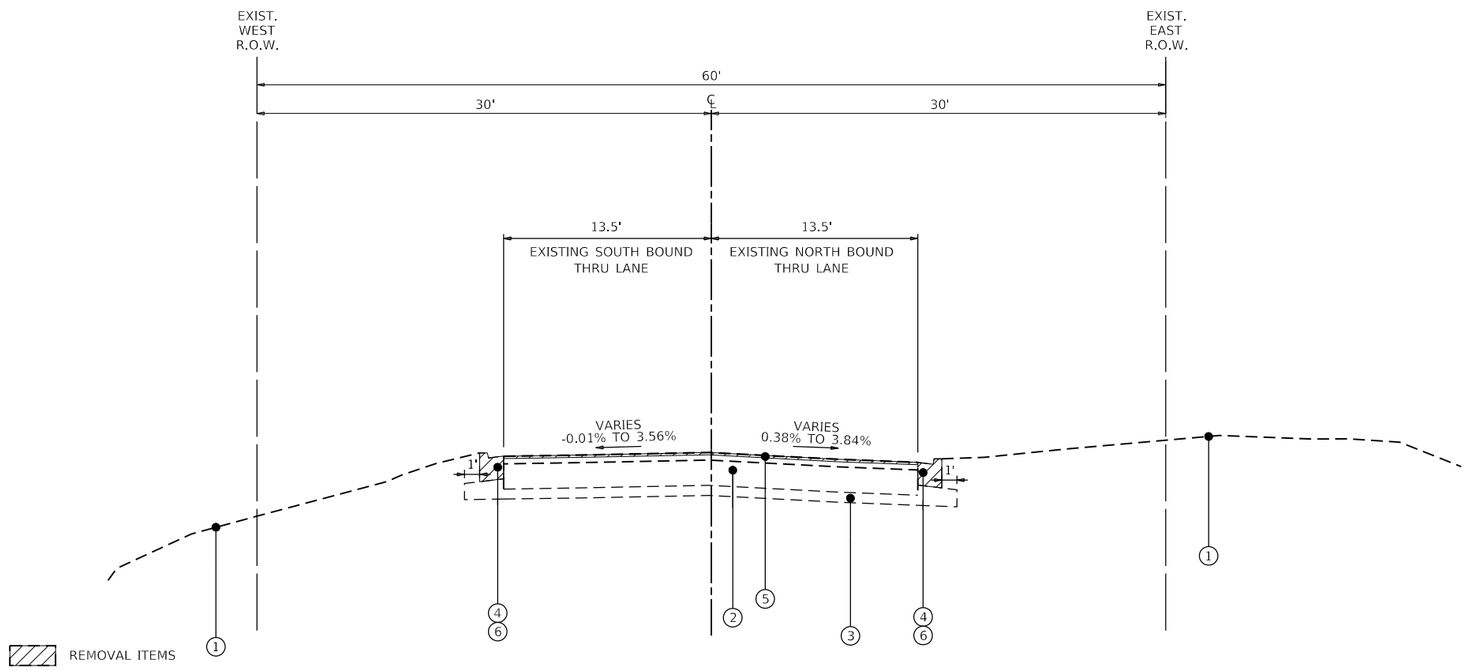
J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-PR Woodbine 1.dgn

FILE NAME = 4600-034-sht-typical-PR Woodbine 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTION WOODBINE DRIVE	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
4600.054		DRAWN - PJS	REVISED -			1120	17-00080-00-PV	LAKE	150 / 24
TYPICAL SECTIONS	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -					CONTRACT NO. 61J86	
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -		SCALE: NTS / SHEET 5 OF 7 SHEETS / STA. TO STA.		ILLINOIS	FED. AID PROJECT	



NICOLE LANE
EXISTING TYPICAL SECTION

STA. 10+42.00 TO STA. 18+25.00

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

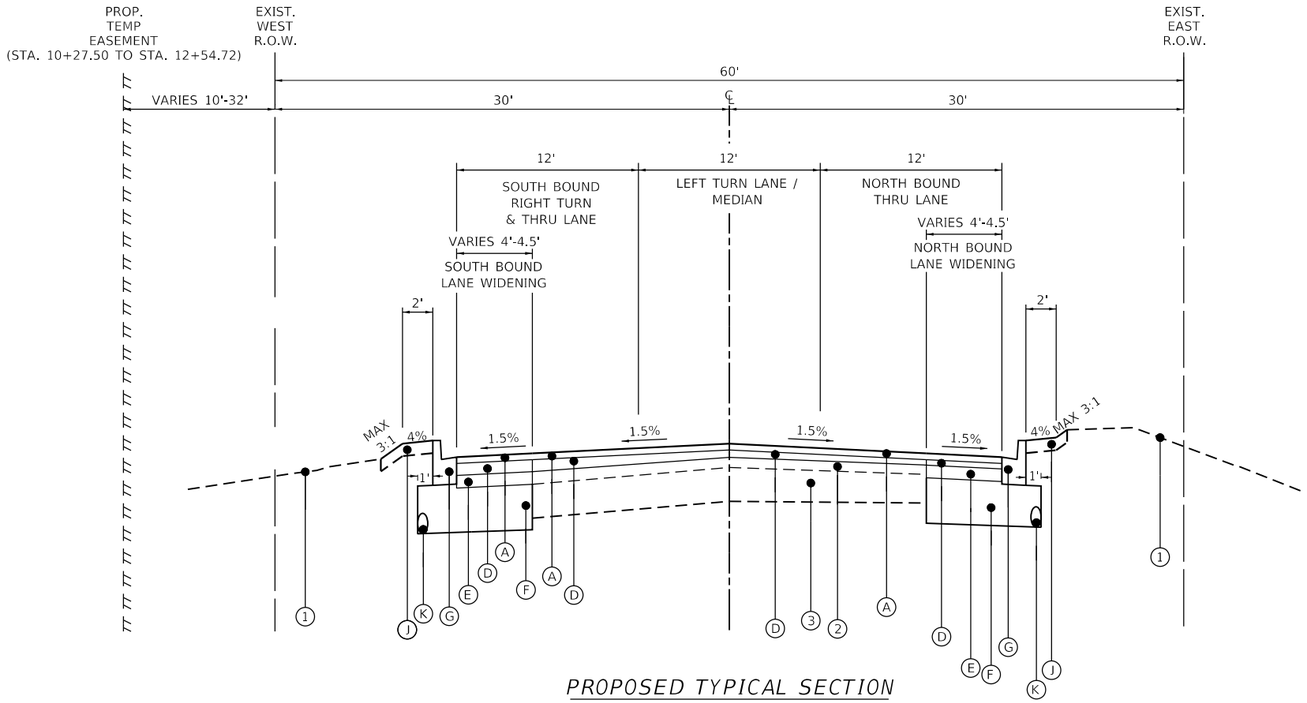
J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"

GEWALT HAMILTON ASSOCIATES, INC.

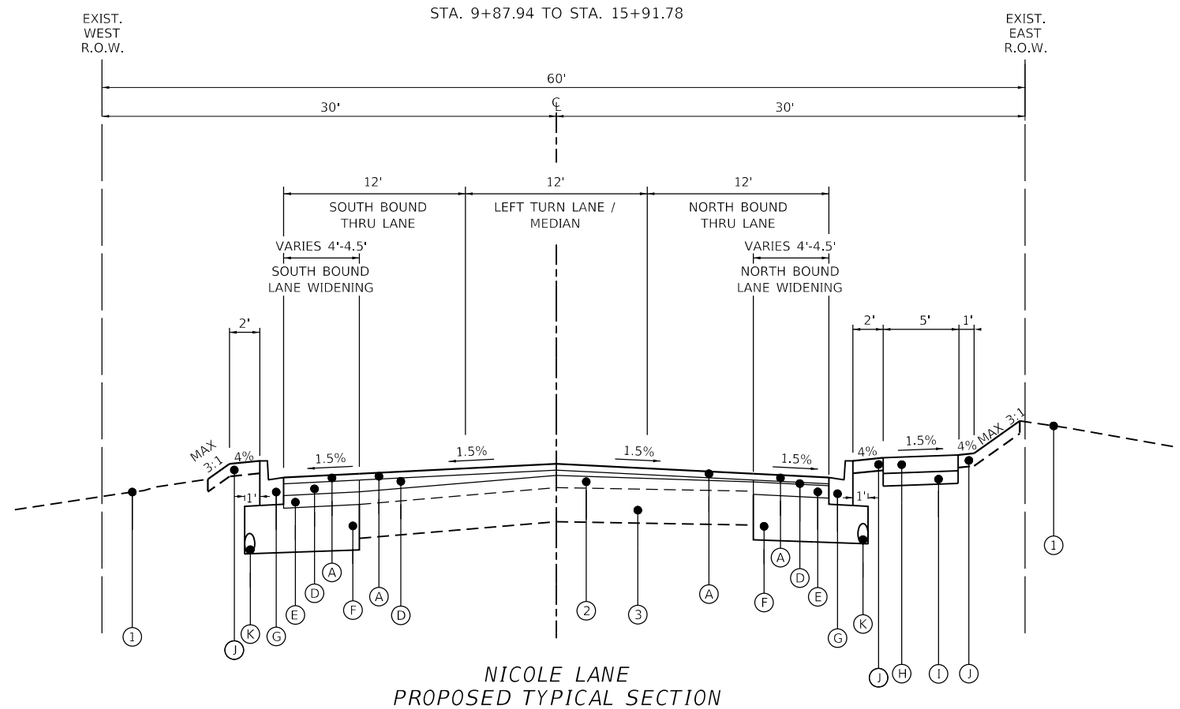
MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-EX Nicole 1.dgn

FILE NAME = 4600-034-sht-typical-EX Nicole 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTION NICOLE LANE	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
4600.054	PLOT SCALE = 1:10	DRAWN - PJS	REVISED -			0050	17-00080-00-PV	LAKE	150 / 25
TYPICAL SECTIONS	PLOT DATE = 4/11/2025	CHECKED - MJV	REVISED -					CONTRACT NO. 61J86	
		DATE - 4/10/2025	REVISED -		SCALE: NTS / SHEET 6 OF 7 SHEETS / STA. TO STA.			ILLINOIS / FED. AID PROJECT	



PROPOSED TYPICAL SECTION

STA. 9+87.94 TO STA. 15+91.78



NICOLE LANE
PROPOSED TYPICAL SECTION

STA. 15+91.78 TO STA. 18+25.11

LEGEND

1. EXISTING GROUND SURFACE
2. EXISTING HMA PAVEMENT
   - NICOLE LANE: APPROXIMATELY 3.3"
   - WOODBINE DRIVE: APPROXIMATELY 5.5"
3. EXISTING AGGREGATE BASE COURSE
   - NICOLE LANE: VARIES 8"-9.5"
   - WOODBINE DRIVE: APPROXIMATELY 8"
4. EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
5. HMA SURFACE REMOVAL
   - WOODBINE DRIVE: 3½"
   - NICOLE LANE: 1½"
6. EXISTING SHOULDER OR CURB AND GUTTER REMOVAL

A. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"

B. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"

C. AGGREGATE SUBGRADE IMPROVEMENT, 12"

D. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 1.5" TO 2.25"
   - NICOLE LANE: SLOPE CORRECTION VARIES 1.5" TO 2.25"

   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
   - WOODBINE DRIVE: SLOPE CORRECTION VARIES 2.25" TO 6.7"
   - NICOLE LANE: SLOPE CORRECTION VARIES 2.25" TO 2.7"

E. HOT-MIX ASPHALT BASE COURSE WIDENING 4"

F. SUBBASE GRANULAR MATERIAL, TYPE B 9"

G. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

H. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

I. AGGREGATE BASE COURSE, TYPE B 4"

J. TOP SOIL FURNISH AND PLACE, 4", SEEDING, CLASS 1A
   NITROGEN FERTILIZER NUTRIENT, POTASSIUM FERTILIZER NUTRIENT

K. PIPE UNDERDRAINS, TYPE 2, 4"

NOTE: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE IL-9.5 N50.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: TYPICAL SECTIONS
FILE NAME: 4600-034-sht-typical-PR Nicole 1.dgn

FILE NAME = 4600-034-sht-typical-PR Nicole 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
TYPICAL SECTIONS	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
NICOLE LANE

SCALE: NTS | SHEET 7 OF 7 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	26

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

INDEX OF SCHEDULES

2 — SCHEDULE OF EARTHWORK - WOODBINE DRIVE

STATION	TO	STATION	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
6+50.00	TO	6+69.00	0.00	3.91	3.33	7.87	-4.54
6+69.00	TO	6+88.00	0.68	4.10	3.49	5.67	-2.18
6+88.00	TO	7+11.00	3.09	6.20	5.28	7.26	-1.98
7+11.00	TO	7+34.00	3.51	6.02	5.12	8.56	-3.44
7+34.00	TO	7+74.00	2.16	5.92	5.04	6.44	-1.40
7+74.00	TO	8+00.00	3.41	10.41	8.86	2.20	6.66
8+00.00	TO	8+50.00	13.54	33.72	28.67	8.81	19.86
8+50.00	TO	9+00.00	17.86	53.84	45.77	7.72	38.05
9+00.00	TO	9+30.00	6.53	22.95	19.51	1.87	17.64
TOTAL VOLUMES (CU YD):			51	150	125	57	70

1 — SCHEDULE OF EARTHWORK - HOOK DRIVE

STATION	TO	STATION	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
80+70.00	TO	81+00.00	22.71	107.94	91.75	0.07	91.68
81+00.00	TO	81+50.00	73.07	352.31	299.46	0.22	299.24
81+50.00	TO	82+00.00	67.69	232.59	197.71	4.68	193.03
82+00.00	TO	82+30.00	40.49	52.77	44.86	16.76	28.10
82+30.00	TO	82+50.00	28.21	16.03	13.63	20.54	-6.91
82+50.00	TO	83+00.00	71.72	12.31	10.46	83.03	-72.57
83+00.00	TO	83+50.00	71.91	10.86	9.24	97.52	-88.28
83+50.00	TO	84+00.00	71.15	73.01	62.06	68.24	-6.18
84+00.00	TO	84+43.66	60.03	86.45	73.48	43.21	30.27
84+43.66	TO	85+00.00	72.01	86.93	73.90	52.96	20.94
85+00.00	TO	85+30.00	37.51	51.57	43.84	27.68	16.16
85+30.00	TO	85+50.00	25.78	80.07	68.07	10.25	57.82
85+50.00	TO	86+00.00	62.36	284.50	241.83	2.89	238.94
86+00.00	TO	86+50.00	60.62	181.46	154.25	17.40	136.85
86+50.00	TO	87+00.00	69.37	66.25	56.32	83.31	-26.99
87+00.00	TO	87+41.00	57.37	53.44	45.43	76.67	-31.24
87+41.00	TO	87+61.00	16.42	37.17	31.60	18.14	13.46
87+61.00	TO	88+05.00	17.66	83.60	71.06	21.93	49.13
88+05.00	TO	88+50.00	20.35	114.68	97.48	14.83	82.66
88+50.00	TO	89+00.00	24.74	175.86	149.49	20.88	128.61
89+00.00	TO	89+50.00	32.23	252.06	214.25	42.36	171.89
89+50.00	TO	90+00.00	50.19	392.46	333.60	69.35	264.25
90+00.00	TO	90+50.00	79.01	498.57	423.79	150.23	273.56
90+50.00	TO	91+00.00	99.78	485.13	412.37	230.96	181.41
91+00.00	TO	91+50.00	99.42	430.83	366.21	208.02	158.19
91+50.00	TO	91+70.00	54.35	159.43	135.52	249.63	-114.11
91+70.00	TO	92+00.00	104.85	227.77	193.61	621.75	-428.14
92+00.00	TO	92+50.00	171.97	381.42	324.21	715.34	-391.13
92+50.00	TO	93+00.00	155.63	564.05	479.44	289.12	190.32
93+00.00	TO	93+50.00	149.78	740.35	629.30	371.45	257.85
93+50.00	TO	94+00.00	152.33	406.78	345.77	1013.61	-667.84
94+00.00	TO	94+30.00	81.60	35.44	30.13	852.43	-822.30
94+30.00	TO	94+39.46	25.58	7.83	6.66	275.82	-269.16
94+39.46	TO	94+70.00	83.82	24.18	20.56	674.15	-653.59
94+70.00	TO	95+00.00	73.73	37.37	31.77	344.81	-313.04
95+00.00	TO	95+50.00	116.83	79.86	67.89	464.15	-396.26
95+50.00	TO	95+95.00	105.78	118.43	100.67	401.63	-300.96
95+95.00	TO	96+50.00	117.60	205.26	174.48	337.59	-163.11
96+50.00	TO	97+00.00	90.81	202.08	171.78	170.82	0.96
97+00.00	TO	97+50.00	88.94	256.03	217.63	147.17	70.46
97+50.00	TO	98+00.00	93.22	295.51	251.19	161.40	89.79
98+00.00	TO	98+50.00	89.75	191.18	162.50	246.65	-84.15
98+50.00	TO	99+00.00	82.70	51.70	43.95	365.48	-321.53
TOTAL VOLUMES (CU YD):			3,172	8,205	6,970	9,086	-2,115

3 SCHEDULE OF EARTHWORK - NICOLE LANE

STATION	TO	STATION	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	
9+87.00	TO	10+00.00	0.00	20.06	17.05	0.00	17.05	*
10+00.00	TO	10+50.00	9.64	116.57	99.09	2.14	96.95	*
10+50.00	TO	11+00.00	13.54	49.14	41.77	4.90	36.87	*
11+00.00	TO	11+50.00	3.89	18.66	15.86	3.90	11.96	
11+50.00	TO	12+00.00	6.34	17.86	15.19	7.19	8.00	
12+00.00	TO	12+22.00	5.64	7.19	6.12	5.94	0.18	
12+22.00	TO	12+50.00	6.50	8.75	7.45	6.52	0.93	
12+50.00	TO	13+00.00	8.81	19.75	16.79	4.62	12.17	
13+00.00	TO	13+50.00	8.42	23.37	19.87	1.22	18.65	
13+50.00	TO	14+00.00	8.94	22.68	19.28	1.35	17.93	
14+00.00	TO	14+50.00	8.37	22.39	19.03	1.35	17.68	
14+50.00	TO	14+75.00	4.26	12.32	10.48	0.72	9.76	
14+75.00	TO	15+25.00	18.24	119.94	101.95	0.73	101.22	
15+25.00	TO	15+75.00	18.06	137.88	117.20	19.29	97.91	
15+75.00	TO	16+00.00	4.37	21.77	18.51	20.36	-1.85	
16+00.00	TO	16+50.00	11.11	26.71	22.71	22.23	0.48	
16+50.00	TO	17+00.00	12.59	25.14	21.37	1.70	19.67	
17+00.00	TO	17+50.00	11.70	19.16	16.29	4.18	12.11	
17+50.00	TO	18+00.00	11.14	13.87	11.80	12.69	-0.89	
18+00.00	TO	18+50.00	8.81	14.41	12.25	12.93	-0.68	
18+50.00	TO	0+00.00	0.00	0.00	0.00	0.00	0.00	
TOTAL VOLUMES (CU YD):			181	720	610	134	480	

* SEE REGULATED SUBSTANCES SPECIAL PROVISION FOR EXCLUSION ZONES. ALL SPOILS FROM STA. 9+56 TO STA. 11+38, LT SHALL BE REUSED ON SITE. ALL SPOILS FROM STA. 9+72 to STA. 11+38, RT SHALL BE DISPOED OF AS NON-SPECIAL WASTE.

4 SUMMARY SCHEDULE OF EARTHWORK

LOCATION	20200100 TOPSOIL EXCAVATION AND PLACEMENT	20200100 EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE	FILL VOLUME	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD	CU YD
HOOK DRIVE - ROADWAY	3,172	8,205	6,970	9,086	(2,116)
HOOK DRIVE - BASIN 1	614	2,218	1,886	414	1,472
HOOK DRIVE - BASIN 2	664	1,430	1,216	571	645
HOOK DRIVE SUBTOTAL	4,450	11,853	10,072	10,071	1
NICOLE LANE	181	720	610	134	476
WOODBINE DRIVE	51	150	125	57	68
TOTAL:	**4,682**	**12,723**	**10,807**	**10,262**	**545**

5 SCHEDULE OF FULL DEPTH PAVING RELATED ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	PAVEMENT AREA	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"	40600275 BITUMINOUS MATERIALS (PRIME COAT)	40600290 BITUMINOUS MATERIALS (TACK COAT)	40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	44000100 PAVEMENT REMOVAL	40600370 LONGITUDINAL JOINT SEALANT
							SQ FT	SQ YD	POUND	POUND	TON	TON	SQ YD	FOOT
HOOK DRIVE														
80+84.08	TO	85+30.00	51.98	LT	17.00	LT	19244.1187	2402.6	4811.0	962.2	718.4	239.5		1764.8
85+30.00	TO	85+50.00	17.00	RT	17.00	LT	680.0	89.9	170.0	34.0	25.4	8.5		50.0
85+50.00	TO	91+00.00	17.00	RT	17.00	LT	18700.0	2393.1	4675.0	935.0	698.1	232.7		1100.0
87+40.86	TO	90+49.06	24.33	RT	54.79	RT							874.3	
91+00.00	TO	96+00.00	17.00	RT	17.00	LT	17000.0	2175.6	4250.0	850.0	634.7	211.6		1000.0
96+00.00	TO	97+00.00	17.00	RT	17.00	LT	3400.7933	435.1	850.2	170.0	127.0	42.3		200.0
97+00.00	TO	99+82.92	17.00	RT	50.45	LT	12014.2691	1507.2	3003.6	600.7	448.5	149.5		1130.4
HOOK DRIVE SUBTOTAL							71039	9004	17760	3552	2653	885	875	5246
SUBTOTAL:							71039.2	9004.0	17760.0	3552.0	2653.0	885.0	875.0	5246.0

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-schedule 2.dgn

FILE NAME = 4600-034-sht-schedule 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 2 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	28

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

6 SCHEDULE OF WIDENING AND RESURFACING RELATED ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	PAVEMENT AREA	31101700 SUBBASE GRANULAR MATERIAL, TYPE B 9"	35600650 HOT-MIX ASPHALT BASE COURSE WIDENING, 4"	44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	44000163 HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	40600290 BITUMINOUS MATERIALS (TACK COAT)	40600370 LONGITUDINAL JOINT SEALANT	40600400 MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	40602978 HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	40600275 BITUMINOUS MATERIALS (PRIME COAT)	44004250 PAVED SHOULDER REMOVAL	48203021 HOT-MIX ASPHALT SHOULDERS, 6"
							SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	POUND	FOOT	TON	SQ YD	TON	TON	TON	POUND	SQ YD	SQ YD
WOODBINE DRIVE																					
6+42.18	TO	6+46.62	9.46	RT	9.44	LT	84.25					2.1			9.4	0.8		1.0			
6+49.93	TO	9+29.94	9.40	RT	58.39	LT	6324.04				702.7	158.1	424.6	1.1		27.8	132.7	78.7			
6+50.00	TO	9+28.77	9.40	RT	17.00	RT	1981.62	307.3	220.2			99.1	.			4.9	51.3	24.7	495.4		
6+54.89	TO	9+29.94	9.93	LT	58.39	LT	1595.21	261.4	177.2			79.8				8.9	25.7	19.9	398.8		
6+54.89	TO	9+29.94	9.93	LT	58.39	LT	136.54													15.2	
9+07.27	TO	9+17.03	19.76	LT	21.33	LT	38.94													4.3	
9+20.78	TO	9+27.19	32.30	RT	64.17	RT	124.94													13.9	
9+24.37	TO	9+28.36	44.49	LT	58.41	LT	52.79													5.9	
9+18.53	TO	9+27.04	45.57	RT	64.16	RT	75.34														8.4
9+20.74	TO	9+28.35	45.32	LT	58.41	LT	54.63														6.1
9+24.40	TO	9+29.72	29.63	RT	45.50	LT	309.67					7.7			34.4	2.9		3.9			
NICOLE LANE																					
9+87.64	TO	9+97.80	44.60	LT	33.32	LT	330.18					8.3			36.7	3.1		4.1			
9+88.72	TO	14+50.00	44.82	LT	79.90	RT	13149.75			1461.1		328.7	922.6	2.2		106.1	66.4	163.6			
9+87.94	TO	14+50.00	60.61	LT	18.00	LT	2202.25	383.6	244.7			110.1				21.2	3.4	27.4	550.6		
9+94.22	TO	14+50.00	79.92	RT	18.00	RT	2956.68	467.5	328.5			147.8				19.3	25.3	36.8	739.2		
14+50.00	TO	16+50.00	13.46	LT	13.88	RT	5433.68			603.7		135.8	400.0	0.9		38.4	33.8	67.6			
14+50.00	TO	16+50.00	18.00	LT	17.79	LT	884.53	155.7	98.3			44.2				9.4		11.0	221.1		
14+50.00	TO	16+50.00	18.00	RT	18.00	RT	873.18	154.4	97.0			43.7				3.1	10.9	10.9	218.3		
16+50.00	TO	18+24.80	13.30	LT	13.24	RT	5465.34			607.3		136.6	230.8	0.9		51.0		68.0			
16+50.00	TO	17+82.14	17.79	LT	14.30	LT	486.40	100.7	54.0			24.3				4.5		6.1	121.6		
16+50.00	TO	18+24.80	18.05	RT	13.24	RT	435.03	107.9	48.3			21.8				4.1		5.4	108.8		
18+24.11	TO	18+28.61	13.96	LT	13.13	RT	121.09					3.0			13.5	1.1		1.5			
WOODBINE DRIVE SUBTOTAL							10,778	569	398	0	703	347	425	2	44	46	210	129	895	40	15
NICOLE LANE SUBTOTAL							32,338	1,370	871	2,673	0	1,005	1,554	5	51	262	140	403	1,960	0	0
SUBTOTAL:							43,116	1,939	1,269	2,673	703	1,352	1,979	7	95	308	350	532	2,855	40	15

7 SCHEDULE OF PAVEMENT PATCHING

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	44201670 CLASS D PATCHES, TYPE I, 2 INCH	44201672 CLASS D PATCHES, TYPE II, 2 INCH	44201674 CLASS D PATCHES, TYPE III, 2 INCH	44201676 CLASS D PATCHES, TYPE IV, 2 INCH	X4421768 CLASS D PATCHES, TYPE IV, 10 INCH (SPECIAL)
							SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
WOODBINE DRIVE											
7+38.15	TO	7+53.01	9.62	RT	10.58	LT		12.5	19.0		
8+65.14	TO	8+97.14	12.02	RT	10.87	LT				33.1	
ESTIMATED PATCHING TO BE DETERMINED IN FIELD							4.0	6.0	16.0	11.0	
NICOLE LANE											
10+42.03	TO	10+48.29	13.58	LT	13.48	RT			19.9		
12+69.91	TO	12+74.53	13.82	RT	13.51	LT		10.7			
17+48.57	TO	17+59.87	13.60	LT	13.68	RT				34.1	
ESTIMATED PATCHING TO BE DETERMINED IN FIELD							14.0	20.0	59.0	40.0	
ORCHARD LANE AT HOOK DRIVE											
99+81.91	TO	10+36.18	17.58	RT	28.53	RT					26.9
WOODBINE DRIVE SUBTOTAL							4	19	35	45	0
NICOLE LANE SUBTOTAL							14	31	79	75	0
HOOK DRIVE SUBTOTAL							0	0	0	0	27
TOTAL:							18	50	114	120	27

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-schedule 3.dgn

FILE NAME = 4600-034-sht-schedule 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
Default	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 3 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	29

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

8

SCHEDULE OF LANDSCAPING AND EROSION CONTROL ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	TOPSOIL AREA	TOPSOIL DEPTH	TOPSOIL VOLUME	K0013055 PERENNIAL PLANTS, WETLAND EMERGENT	25000110 SEEDING, CLASS 1A	25000312 SEEDING, CLASS 4A	25000314 SEEDING, CLASS 4B	25000400 NITROGEN FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25100630 EROSION CONTROL BLANKET	25100635 HEAVY DUTY EROSION CONTROL BLANKET	28000400 PERIMETER EROSION BARRIER
							SQ YD	INCH	CU YD	ACRE	ACRE	ACRE	ACRE	POUND	POUND	SQ YD	SQ YD	FOOT
HOOK DRIVE																		
80+85.72	TO	85+50.00	64.02	RT	38.47	RT	277.8	4	30.9		0.057			5.17	5.17	277.8		
80+88.31	TO	85+50.00	64.01	RT	38.47	RT												492.3
80+92.67	TO	85+50.00	51.99	LT	35.54	LT	408.7	4	45.4		0.084			7.60	7.60	408.7		
80+95.99	TO	83+84.20	51.99	LT	34.20	LT												299.0
83+89.11	TO	85+50.00	34.29	LT	35.54	LT												156.4
83+84.20	TO	84+76.43	34.20	LT	318.78	LT	160.0	4	17.8		0.033			2.98	2.98	160.0		
83+89.11	TO	83+90.34	34.29	LT	234.90	LT												200.6
83+85.19	TO	84+71.24	236.46	LT	319.84	LT												104.7
81+19.08	TO	85+50.00	18.58	LT	21.58	LT	142.6	4	15.8		0.029			2.65	2.65	142.6		
82+74.88	TO	85+50.00	28.79	RT	21.58	RT	93.0	4	10.3		0.019			1.73	1.73	93.0		
83+83.70	TO	88+31.38	362.76	LT	257.44	LT	1702.6	12	567.5			0.352				1702.6		
83+84.21	TO	88+32.37	358.16	LT	257.59	LT												462.6
84+22.01	TO	88+11.30	358.03	LT	289.23	LT	1548.2	12	516.1				0.320			1548.2		
84+87.85	TO	87+14.25	333.96	LT	362.29	LT	409.8	12	136.6	0.085								
85+50.00	TO	91+00.00	36.54	LT	152.90	LT	717.4	4	79.7		0.148			13.34	13.34	412.4	305.0	
85+50.00	TO	91+00.00	36.54	LT	152.90	LT												596.1
85+50.00	TO	91+00.00	18.58	LT	21.58	LT	182.1	4	20.2		0.038			3.39	3.39	182.1		
85+50.00	TO	87+47.95	18.58	RT	21.58	RT	66.6	4	7.4		0.014			1.24	1.24	66.6		
85+50.00	TO	87+49.92	38.47	RT	31.46	RT	138.8	4	15.4		0.029			2.58	2.58	138.8		
85+50.00	TO	87+49.92	38.47	RT	31.46	RT												210.9
87+92.71	TO	90+16.93	26.96	RT	83.36	RT	359.9	4	40.0		0.074			6.69	6.69	359.9		
87+74.43	TO	90+16.93	40.60	RT	55.34	RT												285.3
87+89.62	TO	90+16.93	21.58	RT	21.58	RT	74.4	4	8.3		0.015			1.38	1.38	74.4		
90+22.04	TO	91+00.00	59.05	RT	59.42	RT	374.5	4	41.6		0.077			6.96	6.96	374.5		
90+40.93	TO	91+00.00	59.05	RT	59.42	RT												59.5
90+40.93	TO	91+00.00	18.58	RT	21.58	RT	19.7	4	2.2		0.004			0.37	0.37	19.7		
91+00.00	TO	96+00.00	152.90	LT	80.12	LT	3418.2	4	379.8		0.706			63.56	63.56	3297.5	120.8	
91+00.00	TO	96+00.00	18.58	LT	21.58	LT	161.6	4	18.0		0.033			3.01	3.01	161.6		
91+00.00	TO	93+87.13	152.90	LT	132.62	LT												262.9
93+74.92	TO	96+00.00	106.52	LT	80.12	LT												237.7
91+00.00	TO	96+00.00	59.42	RT	45.95	RT	1760.2	4	195.6		0.364			32.73	32.73	1760.2		
91+00.00	TO	95+37.77	18.58	RT	21.58	RT	152.6	4	17.0		0.032			2.84	2.84	152.6		
91+00.00	TO	96+00.00	59.42	RT	45.95	RT												569.8
92+89.57	TO	96+36.96	181.40	LT	249.72	LT	1929.9	12	643.3			0.399				1929.9		
93+76.90	TO	96+27.14	167.13	LT	229.23	LT	1651.0	12	550.3				0.341			1651.0		
93+94.61	TO	95+92.08	164.25	LT	236.29	LT	364.2	12	121.4	0.075								
93+38.34	TO	96+42.59	132.82	LT	236.73	LT												476.2
96+00.00	TO	97+99.67	21.58	LT	22.83	LT	70.0	4	7.8		0.014			1.30	1.30	70.0		
96+00.00	TO	99+81.34	80.12	LT	51.25	LT	1011.8	4	112.4		0.209			18.81	18.81	1011.8		
96+00.00	TO	99+81.34	80.12	LT	51.25	LT												465.2
96+00.00	TO	99+80.38	47.36	RT	56.80	RT	735.8	4	81.8		0.152			13.68	13.68	735.8		
96+00.00	TO	99+80.38	47.36	RT	56.80	RT												343.4

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SCHEDULE OF LANDSCAPING AND EROSION CONTROL ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	TOPSOIL AREA	TOPSOIL DEPTH	TOPSOIL VOLUME	K0013055 PERENNIAL PLANTS, WETLAND EMERGENT	25000110 SEEDING, CLASS 1A	25000312 SEEDING, CLASS 4A	25000314 SEEDING, CLASS 4B	25000400 NITROGEN FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25100630 EROSION CONTROL BLANKET	25100635 HEAVY DUTY EROSION CONTROL BLANKET	28000400 PERIMETER EROSION BARRIER
							SQ YD	INCH	CU YD	ACRE	ACRE	ACRE	ACRE	POUND	POUND	SQ YD	SQ YD	FOOT
WOODBINE DRIVE																		
6+42.90	TO	6+49.74	14.54	RT	19.60	RT	3.1	4	0.3		0.001			0.06	0.06	3.1		
6+45.07	TO	6+46.68	11.02	RT	19.50	RT												17.0
6+49.93	TO	6+61.49	11.26	LT	28.82	LT	8.9	4	1.0		0.002			0.17	0.17	8.9		
6+50.00	TO	6+58.91	15.96	LT	28.81	LT												27.0
6+59.74	TO	6+75.88	19.63	RT	18.73	RT	11.2	4	1.2		0.002			0.21	0.21	11.2		
6+59.74	TO	6+75.88	19.63	RT	18.73	RT												17.0
6+77.47	TO	7+25.60	28.81	LT	26.58	LT	49.8	4	5.5		0.010			0.93	0.93	49.8		
6+77.47	TO	7+25.60	28.81	LT	26.58	LT												55.9
6+98.88	TO	7+56.68	18.73	RT	29.43	RT	31.9	4	3.5		0.007			0.59	0.59	31.9		
6+98.88	TO	7+56.68	18.73	RT	29.43	RT												66.1
7+41.60	TO	7+60.81	26.58	LT	28.18	LT	18.5	4	2.1		0.004			0.34	0.34	18.5		
7+41.60	TO	7+60.81	26.58	LT	28.18	LT												21.6
7+84.68	TO	8+83.61	29.43	RT	25.44	RT	62.4	4	6.9		0.013			1.16	1.16	62.4		
7+84.68	TO	8+83.61	29.43	RT	25.44	RT												103.5
7+85.82	TO	8+83.61	28.75	LT	27.25	LT	92.2	4	10.2		0.019			1.71	1.71	92.2		
7+85.82	TO	8+83.61	28.75	LT	27.25	LT												98.3
8+83.61	TO	9+24.35	27.25	LT	58.48	LT	30.3	4	3.4		0.006			0.56	0.56	30.3		
8+83.61	TO	9+24.35	27.25	LT	58.48	LT												62.1
8+83.61	TO	9+23.04	25.44	RT	64.13	RT	29.8	4	3.3		0.006			0.56	0.56	29.8		
8+83.61	TO	9+23.04	25.44	RT	64.13	RT												66.4
NICOLE LANE																		
9+89.52	TO	10+03.48	71.59	LT	57.16	LT	28.8	4	3.2		0.006			0.54	0.54	28.8		
9+89.52	TO	10+03.48	71.59	LT	57.16	LT												15.7
10+08.40	TO	11+12.40	71.55	LT	30.08	LT	61.5	4	6.8		0.013			1.14	1.14	61.5		
10+08.40	TO	11+12.40	71.55	LT	30.08	LT												155.6
10+03.30	TO	10+42.00	79.96	RT	39.88	RT	40.6	4	4.5		0.008			0.75	0.75	40.6		
10+03.30	TO	10+42.00	79.96	RT	39.88	RT												60.4
10+42.00	TO	11+38.87	39.88	RT	43.00	RT	60.6	4	6.7		0.013			1.13	1.13	60.6		
10+42.00	TO	11+38.87	39.88	RT	43.00	RT												114.2
11+65.20	TO	14+50.00	30.06	LT	21.39	LT	117.7	4	13.1		0.024			2.19	2.19	117.7		
11+65.20	TO	14+50.00	30.06	LT	21.39	LT												286.0
11+70.03	TO	14+50.00	43.00	RT	22.01	RT	81.6	4	9.1		0.017			1.52	1.52	81.6		
11+70.03	TO	14+50.00	43.00	RT	22.01	RT												292.9
14+50.00	TO	14+91.82	21.39	LT	22.66	LT	9.2	4	1.0		0.002			0.17	0.17	9.2		
14+50.00	TO	14+91.82	21.39	LT	22.66	LT												42.0
14+50.00	TO	14+75.78	22.01	RT	22.20	RT	7.2	4	0.8		0.001			0.13	0.13	7.2		
14+50.00	TO	14+75.78	22.01	RT	22.20	RT												25.7
15+91.78	TO	16+50.00	31.37	RT	31.03	RT	26.7	4	3.0		0.006			0.50	0.50	26.7		
15+91.78	TO	16+50.00	31.37	RT	31.03	RT												61.9
15+91.78	TO	16+50.00	19.58	RT	21.63	RT	13.5	4	1.5		0.003			0.25	0.25	13.5		
16+50.00	TO	18+22.50	21.60	LT	17.88	LT	38.9	4	4.3		0.008			0.72	0.72	38.9		
16+50.00	TO	18+22.50	21.60	LT	17.88	LT												166.9
16+50.00	TO	18+24.95	21.63	RT	16.82	RT	40.7	4	4.5		0.008			0.76	0.76	40.7		
16+50.00	TO	18+22.50	31.03	RT	25.16	RT	57.1	4	6.3		0.012			1.06	1.06	57.1		
16+50.00	TO	18+22.50	31.03	RT	25.16	RT												185.0
18+22.50	TO	21+30.00	25.16	RT	26.18	RT	68.5	4	7.6		0.014			1.27	1.27	68.5		
18+22.50	TO	21+30.00	25.16	RT	26.18	RT												308.9
LAKE COUNTY TRAFFIC COURT																		
14+91.82	TO	14+93.65	22.66	LT	106.24	LT	96.5	4	10.7		0.020			1.79	1.79	96.5		
14+91.82	TO	14+93.65	22.66	LT	106.24	LT												105.8
15+54.82	TO	16+10.16	19.58	LT	21.60	LT	331.8	4	36.9		0.069			6.17	6.17	331.8		
15+43.52	TO	15+54.12	28.73	LT	70.69	LT												145.1
16+10.16	TO	16+10.16	89.09	LT	21.60	LT												123.8
HOOK DRIVE SUBTOTAL							17,932		3,683	0.2	2.25	1.00	0.75	193	193	16,732	426	5,223
WOODBINE DRIVE SUBTOTAL							339		38	0.0	0.25	0.00	0.00	7	7	339	0	535
NICOLE LANE SUBTOTAL							950		106	0.0	0.25	0.00	0.00	18	18	950	0	1,859
TOTAL:							19,221		3,827	0.2	2.75	1.00	0.75	218	218	18,021	426	7,617

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-schedule 5.dgn

FILE NAME = 4600-034-sht-schedule 5.dgn	USER NAME = mvasak	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
Default	PLOT DATE = 5/14/2025	DATE - 5/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 5 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	31

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
81+18.34	10.46	RT	301			1	
81+63.44	43.01	RT	302	11			
82+69.41	6.16	LT	303			1	
82+73.55	14.61	RT	305			1	
82+82.16	7.46	RT	304			1	
82+98.49	39.16	RT	306			1	
83+04.60	31.16	RT	307			1	
83+19.98	25.27	RT	308			1	
83+22.12	40.45	RT	310			1	
83+26.99	36.71	RT	309			1	
83+38.41	19.29	RT	314			1	
83+47.51	33.11	RT	313			1	
83+62.91	19.01	RT	315			1	
83+64.89	21.43	LT	319			1	
83+71.32	7.04	RT	316			1	
83+78.73	35.86	RT	325			1	
83+80.02	42.32	RT	326				1
83+80.30	15.76	RT	317			1	
83+83.31	146.65	LT	697			1	
83+83.57	132.81	LT	696			1	
83+83.74	177.12	LT	738			1	
83+84.24	216.29	LT	742			1	
83+84.26	83.45	LT	1179			1	
83+86.09	31.54	RT	324			1	
83+86.68	167.21	LT	737			1	
83+87.21	44.59	LT	321			1	
83+87.42	182.37	LT	739			1	
83+88.30	1.88	LT	318			1	
83+88.97	380.05	LT	898			1	
84+00.09	403.80	LT					1
84+03.31	388.21	LT	899			1	
84+03.49	5.79	RT	323			1	
84+06.19	6.47	RT	322			1	
84+14.57	353.29	LT	894			1	
84+28.08	342.91	LT	893			1	
84+35.39	376.92	LT	900			1	
84+49.50	330.34	LT	NO TAG			1	
84+50.17	363.55	LT	901			1	
84+50.33	405.96	LT	994			1	
84+56.91	378.34	LT	991			1	
84+62.27	370.22	LT	902			1	
84+70.14	359.17	LT	903			1	
84+75.55	391.07	LT	995			1	
84+80.11	366.04	LT	990			1	
84+96.34	352.29	LT	904			1	
85+01.10	389.72	LT	996			1	
85+03.03	419.27	LT	1068			1	
85+03.64	331.41	LT	906			1	
85+08.17	376.87	LT	997			1	
85+08.80	358.40	LT	989			1	
85+10.46	396.26	LT	1065			1	
85+15.21	343.03	LT	905			1	
85+15.71	327.31	LT	907			1	
85+15.89	358.57	LT	988			1	
85+18.66	415.08	LT	1069			1	
85+22.14	394.61	LT	1064			1	
85+23.46	421.32	LT	1070			1	
85+25.80	382.96	LT	1063			1	
85+29.85	313.69	LT	910			1	
85+30.41	385.54	LT	1062			1	
85+34.05	321.89	LT	909			1	
85+34.57	331.19	LT	908			1	
85+36.06	418.75	LT	1071			1	
85+38.41	392.59	LT	1072			1	
85+44.31	342.86	LT	987			1	
85+52.92	364.42	LT	998			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
85+57.08	356.41	LT	999			1	
85+59.54	394.89	LT	1073			1	
85+61.62	305.06	LT	911			1	
85+64.69	389.51	LT	1074			1	
85+65.00	412.62	LT	1125			1	
85+65.92	350.73	LT	1000			1	
85+66.53	333.85	LT	985			1	
85+67.47	339.12	LT	986			1	
85+69.03	418.13	LT					1
85+77.75	18.85	LT	330			1	
85+81.33	395.15	LT	1075			1	
85+88.75	398.87	LT	1076			1	
85+97.20	379.21	LT	1061			1	
85+97.20	312.88	LT	984			1	
86+00.18	292.44	LT					1
86+01.19	314.15	LT	983			1	
86+02.43	290.60	LT					1
86+04.51	347.21	LT	1001			1	
86+06.11	0.32	RT	331			1	
86+06.17	313.91	LT	981			1	
86+06.89	342.70	LT	1002			1	
86+07.59	374.42	LT	1060			1	
86+08.46	317.78	LT	982			1	
86+09.36	303.55	LT	978			1	
86+13.04	323.58	LT	1004			1	
86+14.72	360.15	LT	1057			1	
86+14.86	336.23	LT	1003			1	
86+15.71	313.10	LT	980			1	
86+21.49	314.62	LT	979			1	
86+21.68	372.47	LT	1059			1	
86+21.76	300.20	LT	977			1	
86+22.31	286.34	LT					1
86+24.23	356.36	LT	1056			1	
86+25.51	342.97	LT	1055			1	
86+25.97	368.41	LT	1058			1	
86+27.71	416.52	LT					1
86+29.74	301.65	LT	976			1	
86+33.69	400.08	LT	1123			1	
86+34.56	330.01	LT	1005			1	
86+37.08	338.21	LT	1054			1	
86+37.11	309.95	LT	1008			1	
86+38.94	318.58	LT	1007			1	
86+40.71	386.19	LT	1077			1	
86+40.82	320.83	LT	1006			1	
86+41.29	290.67	LT	973			1	
86+41.53	300.20	LT	975			1	
86+42.07	378.62	LT	1078			1	
86+42.98	414.78	LT	1133				1
86+47.87	396.12	LT	1122			1	
86+49.07	354.17	LT	1081			1	
86+49.51	297.92	LT	974			1	
86+53.72	338.70	LT	1053			1	
86+53.87	388.98	LT	1121			1	
86+54.83	282.58	LT					1
86+58.43	299.27	LT	1010			1	
86+60.18	349.02	LT	1082			1	
86+60.29	337.82	LT	1052			1	
86+60.38	384.34	LT	1120			1	
86+62.04	283.32	LT	972			1	
86+62.19	304.78	LT	1009			1	
86+63.48	405.79	LT	1134			1	
86+64.12	359.83	LT	1080			1	
86+67.16	320.67	LT	1049			1	
86+68.36	306.40	LT	1047			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
86+69.93	309.26	LT	1048			1	
86+70.22	373.19	LT	1118			1	
86+71.32	379.29	LT	1119			1	
86+72.11	333.37	LT	1051			1	
86+72.70	281.34	LT	971			1	
86+75.40	361.97	LT	1117			1	
86+76.44	325.00	LT	1050			1	
86+78.32	286.66	LT	1011			1	
86+81.00	341.18	LT	1083			1	
86+84.97	300.15	LT	1046			1	
86+84.99	410.86	LT					1
86+86.86	267.50	LT					1
86+88.24	313.40	LT	1087			1	
86+91.46	264.63	LT					1
86+91.62	291.21	LT	1012			1	
86+93.20	347.82	LT	1116			1	
86+94.23	325.60	LT	1085			1	
86+94.49	283.91	LT	1014			1	
86+95.03	333.25	LT	1084			1	
86+95.40	385.81	LT	1135			1	
86+95.95	293.77	LT	1013			1	
86+98.51	310.16	LT	1086			1	
86+98.65	270.19	LT	963			1	
86+99.70	300.37	LT	1045			1	
87+00.49	263.58	LT					1
87+00.69	350.58	LT	1115			1	
87+03.98	369.32	LT	1138			1	
87+05.23	357.18	LT	1139			1	
87+06.56	383.29	LT	1136			1	
87+08.74	395.96	LT	1162			1	
87+09.22	329.39	LT	1113			1	
87+09.35	287.90	LT	1015			1	
87+11.03	405.86	LT	1167				1
87+11.59	328.77	LT	NO TAG			1	
87+11.66	337.11	LT	1114			1	
87+12.49	278.27	LT	962			1	
87+13.48	318.15	LT	1088			1	
87+14.49	357.19	LT	1140			1	
87+15.16	258.34	LT					1
87+17.37	382.07	LT	1137			1	
87+19.91	276.15	LT	961			1	
87+20.12	386.39	LT	1161			1	
87+20.30	302.79	LT	1044			1	
87+20.55	353.13	LT	1141			1	
87+23.01	48.38	LT	339			1	
87+24.26	302.09	LT	1043			1	
87+24.40	56.05	LT	677				1
87+24.92	279.36	LT	960			1	
87+25.19	403.25	LT	1168				1
87+27.59	273.84	LT	959			1	
87+28.23	339.09	LT	1111			1	
87+29.27	320.52	LT	1089			1	
87+31.09	366.32	LT	1142			1	
87+31.89	382.28	LT	1160			1	
87+31.96	13.03	RT	334			1	
87+32.36	327.37	LT	1112			1	
87+33.51	255.58	LT					1
87+33.55	271.03	LT	958			1	
87+34.40	30.05	LT	336			1	
87+36.26	389.58	LT	1170			1	
87+37.43	22.36	LT	335			1	
87+40.09	276.34	LT	956			1	
87+41.47	314.32	LT	1090			1	
87+41.92	29.67	LT	337			1	

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-schedule 6.dgn

FILE NAME = 4600-034-sht-schedule 6.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 6 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	32

CONTRACT NO. 61J86

ILLINOIS FED. AID PROJECT

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
87+42.49	378.63	LT	1159			1	
87+43.24	368.20	LT	1158			1	
87+43.59	304.85	LT	1042			1	
87+43.70	251.96	LT					1
87+44.16	271.59	LT	956			1	
87+44.43	292.83	LT	1041			1	
87+44.71	318.49	LT	1091			1	
87+45.17	347.11	LT	1110			1	
87+45.94	353.07	LT	1143			1	
87+48.33	281.02	LT	1016			1	
87+49.07	279.70	LT	1017			1	
87+52.29	341.44	LT	1109			1	
87+53.35	270.20	LT	955			1	
87+53.77	256.02	LT	954			1	
87+55.00	254.44	LT	953			1	
87+55.81	324.85	LT	1092			1	
87+56.05	367.58	LT	1157			1	
87+58.07	372.04	LT	1172			1	
87+58.83	283.17	LT	1018			1	
87+59.68	286.91	LT	1019			1	
87+63.87	300.16	LT	1039			1	
87+65.27	311.53	LT	1093			1	
87+65.54	252.65	LT	339				1
87+66.77	300.69	LT	1038			1	
87+66.79	338.48	LT	1108			1	
87+67.90	353.95	LT	1144			1	
87+69.85	268.63	LT	1021			1	
87+72.36	279.56	LT	1035			1	
87+74.93	264.16	LT	1022			1	
87+75.78	291.16	LT	1036			1	
87+75.93	253.37	LT					1
87+75.94	299.90	LT	1037			1	
87+77.74	276.05	LT	1023			1	
87+79.47	306.87	LT	1094			1	
87+82.05	297.75	LT	1095			1	
87+84.67	317.08	LT	1107			1	
87+86.49	278.38	LT	1034			1	
87+87.11	284.13	LT	1033			1	
87+89.79	286.36	LT	1032			1	
87+91.06	304.22	LT	1096			1	
87+93.91	343.88	LT	1146			1	
87+94.28	347.28	LT	1145			1	
87+95.80	313.72	LT	1106			1	
87+96.10	265.83	LT	1024			1	
87+97.97	255.10	LT					1
88+00.16	269.91	LT	1025			1	
88+02.34	290.63	LT	1104			1	
88+03.43	251.19	LT					1
88+05.96	280.97	LT	1031			1	
88+06.45	275.01	LT	1030			1	
88+10.45	258.51	LT	1027			1	
88+12.81	321.87	LT	1105			1	
88+13.26	248.55	LT					1
88+14.93	272.32	LT	1029			1	
88+15.95	289.44	LT	1098			1	
88+18.50	262.45	LT	1028			1	
88+21.47	340.33	LT					1
88+27.71	284.34	LT	1099			1	
88+29.23	313.38	LT	1103			1	
88+31.36	291.80	LT	1100			1	
89+00.83	31.80	LT	368			1	
89+08.48	27.35	LT	369			1	
89+25.62	76.03	LT	383				1
89+37.70	21.07	LT	372			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
89+38.73	84.78	LT	381				1
89+39.86	33.01	LT	373			1	
89+41.01	34.98	LT	374			1	
89+54.34	27.79	LT	375			1	
89+60.90	28.28	LT	376			1	
89+61.96	18.73	LT	377			1	
89+67.77	46.62	LT	380	11			
89+72.31	37.09	LT	379			1	
89+78.20	21.35	LT	378			1	
89+80.42	51.94	LT	393		17		
89+93.86	32.56	LT	395			1	
89+97.71	42.47	LT	394	11			
90+03.45	31.28	LT	396			1	
90+05.66	23.00	LT	399			1	
90+06.60	17.95	LT	400			1	
90+11.68	20.54	LT	398			1	
90+12.97	23.39	LT	397			1	
90+15.00	40.24	LT	406	9			
90+15.63	36.47	LT	405			1	
90+18.13	36.01	LT	404			1	
90+24.10	14.62	LT	401			1	
90+39.99	19.87	LT	402			1	
90+46.40	7.31	LT	422			1	
90+52.09	10.58	LT	421			1	
90+52.23	4.69	LT	423			1	
90+58.02	30.66	LT	418			1	
90+58.93	51.52	LT	414	14			
90+58.96	13.88	LT	419			1	
90+62.21	8.95	LT	420			1	
90+68.20	48.64	LT	417	10			
90+68.69	51.20	LT	416	11			
90+84.85	4.10	RT	425			1	
90+89.50	46.22	RT	450			1	
90+90.10	17.38	RT	424			1	
90+91.03	40.15	RT	449			1	
90+98.09	53.38	RT	451			1	
91+03.14	31.18	LT	426			1	
91+04.13	46.33	LT	428	8			
91+05.62	5.97	RT	448			1	
91+07.48	4.09	LT	446			1	
91+08.27	0.61	LT	445			1	
91+08.79	41.72	RT	455			1	
91+08.99	52.74	LT	429	9			
91+09.62	41.55	LT	427	9			
91+09.75	1.64	RT	447			1	
91+12.29	50.38	RT	452			1	
91+12.64	34.39	RT	457			1	
91+13.72	43.97	RT	454			1	
91+15.91	27.03	LT	443			1	
91+16.30	48.51	RT	453			1	
91+20.78	36.47	LT	442			1	
91+21.06	12.68	LT	444			1	
91+21.47	32.20	RT	458			1	
91+22.66	37.85	RT	456			1	
91+27.60	1.92	RT	460			1	
91+29.79	12.01	RT	459			1	
91+32.68	74.65	LT	439			1	
91+33.75	37.67	LT	441			1	
91+35.00	41.36	LT	440			1	
91+35.58	4.70	LT	464			1	
91+41.18	89.65	LT	467			1	
91+42.32	4.66	RT	462			1	
91+43.11	8.75	RT	461			1	
91+45.42	0.22	RT	463			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
91+51.65	20.33	LT	466			1	
91+51.94	76.04	LT	468			1	
91+52.59	78.41	LT	469			1	
91+66.69	0.74	LT	465			1	
91+88.03	130.83	LT	1208			1	
92+04.10	19.26	LT	479			1	
92+04.85	27.85	LT	478			1	
92+10.34	1.15	LT	480			1	
92+10.95	26.80	RT	481			1	
92+11.49	61.45	LT	472			1	
92+12.57	93.61	LT	1210			1	
92+15.81	49.05	LT	473			1	
92+16.09	83.87	LT	470			1	
92+18.33	79.56	LT	471			1	
92+27.37	20.87	LT	477			1	
92+27.78	40.49	LT	476			1	
92+29.15	28.11	RT	482			1	
92+29.20	49.31	LT	474			1	
92+30.21	38.64	LT	475			1	
92+46.03	51.96	RT	483			1	
92+53.90	89.99	LT	1212			1	
92+65.88	24.88	LT	486			1	
92+69.04	40.23	RT	501	10			
92+69.41	24.70	RT	484			1	
92+74.45	96.93	LT	1213			1	
92+81.60	3.38	LT	485			1	
92+82.71	38.64	LT	487			1	
92+98.83	29.46	RT	502			1	
92+99.67	20.24	LT	490			1	
93+01.28	41.66	LT	488			1	
93+05.14	30.02	LT	489			1	
93+06.73	-67.87	LT	496			1	
93+07.39	32.36	LT	492			1	
93+08.21	13.30	LT	491			1	
93+22.81	43.75	LT	493			1	
93+25.34	175.08	LT	1206			1	
93+29.86	24.50	LT	494			1	
93+31.25	163.40	LT	1205			1	
93+33.58	88.04	LT	498				1
93+33.61	88.01	LT	498			1	
93+39.94	44.03	LT	495			1	
93+47.12	88.40	LT	499			1	
93+50.13	141.66	LT	1184			1	
93+53.23	143.00	LT	1185			1	
93+63.28	64.20	LT	497			1	
93+65.43	138.36	LT	1186			1	
93+72.87	103.67	LT	1193			1	
93+73.60	141.09	LT	1204			1	
93+73.88	126.79	LT					1
93+74.83	212.60	LT	1214			1	
93+77.41	48.52	RT	507		18		
93+79.88	46.22	RT	506		19		
93+81.27	191.80	LT	1220			1	
93+82.59	129.23	LT	1188			1	
93+83.34	22.56	RT	504			1	
93+83.43	102.92	LT	1192			1	
93+86.63	99.46	LT	1194			1	
93+86.88	109.00	LT	1191			1	
93+86.98	55.77	RT	508	6			
93+88.73	16.85	RT	503			1	
93+89.15	63.85	LT	500			1	
93+89.32	183.41	LT	1221			1	
93+90.47	140.13	LT	1203			1	
93+91.59	46.97	RT	505		18		

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-schedule 7.dgn

FILE NAME = 4600-034-sht-schedule 7.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 7 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	33
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
93+92.24	29.91	LT	512			1	
93+93.51	93.92	LT	1195			1	
93+95.45	93.42	LT	1195				1
93+95.89	56.29	RT	509		18		
93+96.44	106.97	LT	1190			1	
93+97.75	3.77	RT	511			1	
93+97.84	223.83	LT	1215			1	
93+98.96	152.53	LT	1222			1	
94+05.99	100.70	LT	1198			1	
94+06.20	58.48	LT	516			1	
94+06.31	74.00	LT	519			1	
94+06.81	155.41	LT	1223			1	
94+10.28	21.04	RT	510			1	
94+10.38	148.73	LT	1225			1	
94+12.63	101.50	LT	1197			1	
94+12.82	72.12	LT	518			1	
94+12.98	88.52	LT	520			1	
94+14.51	156.64	LT	1224			1	
94+15.56	123.65	LT					1
94+16.30	94.30	LT	1196				1
94+16.30	94.30	LT	1196			1	
94+16.75	62.09	LT	517			1	
94+21.26	183.39	LT	1219			1	
94+22.65	195.53	LT	1218			1	
94+25.84	87.32	LT	522			1	
94+26.13	133.63	LT	1229			1	
94+26.79	83.13	LT	523			1	
94+27.49	96.33	LT	1232				1
94+27.49	96.33	LT	1232			1	
94+29.48	92.23	LT	1233			1	
94+29.99	140.77	LT	1227			1	
94+32.54	19.51	LT	513			1	
94+32.54	135.62	LT	1228			1	
94+34.65	97.22	LT	1231				1
94+34.65	97.22	LT	1231			1	
94+34.75	27.34	RT	543			1	
94+34.82	39.69	RT	544	11			
94+35.82	76.40	LT	521			1	
94+37.23	144.34	LT	1226			1	
94+38.35	85.54	LT	524			1	
94+41.08	20.86	LT	514			1	
94+41.10	5.18	RT	541			1	
94+41.57	39.78	LT	515			1	
94+42.02	35.64	RT	545	10			
94+42.40	132.50	LT	1238			1	
94+43.72	43.88	RT	546	10			
94+44.09	26.25	RT	542			1	
94+45.95	78.75	LT	525	15			
94+46.58	222.23	LT	1217			1	
94+47.84	42.11	RT	547			1	
94+47.87	87.87	LT	526			1	
94+49.06	83.92	LT	528			1	
94+49.32	229.23	LT	1216			1	
94+50.00	138.13	LT	1240			1	
94+50.82	96.44	LT	1235				1
94+51.00	162.93	LT	1243			1	
94+51.18	134.14	LT	1239			1	
94+51.47	92.63	LT	1254			1	
94+52.03	87.98	LT	527			1	
94+53.63	144.61	LT	1242			1	
94+54.36	68.40	LT	529			1	
94+54.79	136.09	LT	1241			1	
94+55.52	161.43	LT	1244			1	
94+57.76	3.44	LT	540			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
94+59.53	153.68	LT	1246			1	
94+59.89	90.67	LT	531			1	
94+60.50	158.16	LT	1245			1	
94+61.42	47.27	RT	548	8			
94+62.21	141.84	LT	1249			1	
94+62.59	69.80	LT	530			1	
94+62.94	30.23	RT	550			1	
94+64.85	87.77	LT	532			1	
94+65.64	147.02	LT	1247			1	
94+66.08	121.51	LT	1250			1	
94+66.84	50.59	RT	549	10			
94+67.23	142.38	LT	1248			1	
94+67.48	9.90	RT	551			1	
94+67.77	117.85	LT					1
94+68.31	242.36	LT					1
94+70.64	122.92	LT	1264			1	
94+71.85	197.98	LT	1270			1	
94+72.99	10.42	RT	552			1	
94+73.98	127.67	LT	1265			1	
94+74.43	243.01	LT					1
94+74.86	123.67	LT	1263			1	
94+75.64	140.04	LT	1266			1	
94+75.73	19.09	RT	553			1	
94+76.35	162.42	LT	1268			1	
94+77.62	157.24	LT	1267			1	
94+77.92	241.02	LT	1274			1	
94+79.03	34.16	RT	556	7			
94+79.76	172.70	LT	1269			1	
94+80.44	116.70	LT					1
94+81.39	91.50	LT	533				1
94+82.09	42.65	RT	557	9			
94+82.52	124.43	LT	1262			1	
94+84.44	38.13	RT	558	10			
94+84.47	150.37	LT	1286			1	
94+85.38	205.97	LT	1271			1	
94+86.22	25.01	RT	554			1	
94+86.22	66.92	LT	538			1	
94+86.87	28.46	RT	555			1	
94+86.90	65.48	LT	539			1	
94+88.63	36.20	RT	559	11			
94+88.75	151.05	LT	1285			1	
94+89.62	164.00	LT	1281			1	
94+89.90	6.80	LT	569			1	
94+90.22	138.84	LT	1287			1	
94+92.56	152.18	LT	1283			1	
94+92.83	169.75	LT	1279			1	
94+92.97	147.39	LT	1287			1	
94+93.51	166.31	LT	1280			1	
94+95.50	153.91	LT	1282			1	
94+96.57	173.55	LT	1278			1	
95+00.31	17.97	LT	567			1	
95+00.70	13.05	LT	568			1	
95+03.39	131.16	LT	1289			1	
95+03.48	134.64	LT	1288			1	
95+04.55	168.48	LT	1303			1	
95+04.96	181.62	LT	1277			1	
95+09.31	144.50	LT	1300			1	
95+09.86	62.46	LT	537			1	
95+10.70	161.32	LT	1302			1	
95+11.70	204.88	LT	1276			1	
95+13.37	10.32	LT	570			1	
95+13.88	128.21	LT	1297			1	
95+14.58	178.70	LT	1304			1	
95+15.86	25.84	LT	565			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
95+16.24	240.89	LT	1275			1	
95+17.05	134.76	LT	1298			1	
95+18.23	167.07	LT	1308			1	
95+18.28	180.07	LT	1305			1	
95+18.57	144.07	LT	1299			1	
95+20.63	155.06	LT	1301			1	
95+21.32	19.77	LT	566			1	
95+23.90	122.46	LT					1
95+23.96	184.27	LT	1306			1	
95+24.90	224.11	LT	1342			1	
95+24.91	3.30	RT	571			1	
95+25.11	131.54	LT	1296			1	
95+26.52	189.06	LT	1307			1	
95+26.60	130.21	LT	1313			1	
95+30.21	149.11	LT	1310			1	
95+33.08	157.61	LT	1309			1	
95+34.86	132.65	LT	1312			1	
95+36.10	125.27	LT					1
95+36.76	141.65	LT	1311			1	
95+39.68	236.83	LT	1343			1	
95+39.82	147.00	LT	1326			1	
95+40.71	167.31	LT	1330			1	
95+41.77	159.99	LT	1328			1	
95+41.83	163.63	LT	1329			1	
95+42.96	148.91	LT	1327			1	
95+43.14	130.59	LT	1323			1	
95+44.41	182.51	LT	1331			1	
95+44.62	140.14	LT	1325			1	
95+45.10	136.19	LT	1324			1	
95+45.92	31.98	LT	562			1	
95+46.99	205.84	LT	1340			1	
95+47.92	222.80	LT	1341			1	
95+48.37	130.31	LT	1364			1	
95+48.49	171.85	LT	1335			1	
95+49.30	65.06	LT	561			1	
95+49.42	184.69	LT	1332			1	
95+49.74	180.36	LT	1333			1	
95+50.09	176.52	LT	1334			1	
95+51.21	23.65	LT	563			1	
95+52.34	190.64	LT	1339			1	
95+52.53	181.77	LT	1336			1	
95+53.25	72.49	LT	560			1	
95+53.41	139.23	LT	1363			1	
95+53.93	186.29	LT	1337			1	
95+54.03	251.33	LT	1344			1	
95+54.80	205.89	LT	1349			1	
95+55.35	162.02	LT	1357			1	
95+56.08	244.22	LT	1345			1	
95+56.33	210.98	LT	1348			1	
95+57.20	167.07	LT	1355			1	
95+60.65	151.00	LT	1359			1	
95+60.73	159.88	LT	1358			1	
95+61.12	147.75	LT	1360			1	
95+61.69	172.55	LT	1353			1	
95+62.85	140.19	LT	1361			1	
95+62.90	177.45	LT	1352			1	
95+63.39	190.37	LT	1351			1	
95+63.59	170.27	LT	1356			1	
95+63.68	135.87	LT	1362			1	
95+64.17	170.25	LT	1354			1	
95+65.01	157.69	LT	1385			1	
95+66.11	243.46	LT	1346			1	
95+66.81	39.07	LT	578			1	
95+66.89	145.51	LT	1380			1	

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4600.054		DRAWN - PJS	REVISED -
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	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 8 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	34
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
95+67.33	171.59	LT	1386			1	
95+67.55	180.69	LT	1388			1	
95+68.49	150.99	LT	1382			1	
95+68.50	238.53	LT	1347			1	
95+68.78	206.93	LT	1350			1	
95+69.41	160.17	LT	1384			1	
95+69.60	146.66	LT	1381			1	
95+70.29	130.30	LT					1
95+71.32	152.56	LT	1383			1	
95+72.74	136.18	LT	1379			1	
95+73.68	20.56	RT	573			1	
95+74.42	2.75	RT	572			1	
95+79.45	205.62	LT	1389			1	
95+79.59	60.18	LT	579			1	
95+87.63	251.17	LT	1412			1	
95+89.48	68.07	LT	580			1	
95+90.39	75.68	LT	587			1	
95+90.86	81.85	LT	1398			1	
95+91.98	243.87	LT	1411			1	
95+92.36	54.19	LT	582			1	
95+92.51	59.50	LT	581			1	
95+93.45	84.56	LT	1397				1
95+94.02	51.60	LT	583			1	
95+95.52	10.65	RT	577			1	
95+95.92	42.46	LT	584			1	
95+96.92	60.88	LT	586			1	
95+98.29	279.28	LT					1
96+00.16	58.90	LT	585			1	
96+00.73	178.02	LT	1390			1	
96+05.67	35.44	LT	594			1	
96+06.18	157.63	LT	1391			1	
96+06.23	225.28	LT	1410			1	
96+06.62	25.73	LT	595			1	
96+08.48	42.87	LT	592			1	
96+08.68	182.80	LT	1409			1	
96+10.34	38.45	LT	593			1	
96+10.35	77.51	LT	588				1
96+15.77	36.55	LT	591			1	
96+16.28	31.12	LT	596			1	
96+16.77	1.63	LT	576			1	
96+17.81	180.44	LT	1408			1	
96+19.33	75.43	LT	589				1
96+19.35	28.92	LT	597			1	
96+20.78	23.47	RT	574			1	
96+21.50	52.09	LT	590			1	
96+26.00	258.53	LT	1417			1	
96+27.64	34.23	LT	602			1	
96+28.48	247.58	LT	1418			1	
96+28.88	42.45	LT	604			1	
96+28.89	38.76	LT	603			1	
96+30.97	24.97	LT	598			1	
96+32.60	-26.88	LT	599			1	
96+35.11	208.64	LT	1420			1	
96+36.81	-31.78	LT	601			1	
96+37.06	12.84	RT	575			1	
96+37.26	23.29	LT	600			1	
96+38.94	212.89	LT	1419			1	
96+66.20	52.57	LT	609			1	
96+68.35	56.80	LT	607			1	
96+68.62	54.27	LT	608			1	
96+71.97	14.30	LT	614			1	
96+71.99	28.92	RT	617			1	
96+75.33	26.65	LT	613			1	
96+77.20	39.53	LT	610			1	

9 SCHEDULE OF TREE OR STUMP REMOVAL AND TREE PROTECTION

STATION	OFFSET	RT/LT	TAG #	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT	X2010404 STUMP REMOVAL EACH	20101100 TREE TRUNK PROTECTION EACH
HOOK DRIVE							
96+78.69	32.79	LT	612			1	
96+79.35	36.52	LT	611			1	
96+80.28	59.14	LT	649				1
96+92.80	17.82	RT	616			1	
96+95.00	23.93	LT	615			1	
97+06.27	45.86	LT	646			1	
97+27.89	16.56	RT	650			1	
97+44.43	47.67	LT	643			1	
97+48.06	39.68	LT	642			1	
97+57.95	51.11	LT	641	9			1
97+62.86	50.36	LT	640	10			1
97+80.41	38.96	LT	639			1	
97+86.72	27.58	LT	638			1	
97+94.77	14.05	RT	651			1	
97+99.24	29.36	LT	637			1	
98+18.68	21.12	RT	652			1	
98+30.87	48.31	RT	619	10			
98+31.56	42.89	LT	653			1	
98+36.29	30.59	LT	635			1	
98+41.88	27.20	LT	634			1	
98+48.86	41.58	LT	632			1	
98+54.72	9.59	LT	636			1	
98+57.59	26.93	LT	633			1	
98+59.21	41.02	LT	631			1	
98+64.04	34.00	LT	630			1	
98+73.32	36.86	LT	629			1	
98+88.47	26.63	LT	628			1	
99+22.65	35.18	LT	627			1	
99+23.97	14.71	LT	622			1	
99+27.48	37.04	LT	626			1	
99+30.00	29.94	LT	625			1	
MISCELLANEOUS FIELD LOCATED TREES						66	
WOODBINE DRIVE							
7+30.41	24.94	RT					1
7+44.10	27.91	RT					1
7+95.43	24.98	LT				1	
8+09.74	26.58	RT				1	
8+18.23	26.99	RT				1	
8+21.60	25.41	RT				1	
8+21.62	25.22	LT				1	
8+23.50	27.23	RT				1	
8+26.83	26.21	RT				1	
8+30.33	26.48	RT				1	
8+37.86	27.79	RT				1	
8+64.45	26.22	RT				1	
8+66.17	24.58	RT				1	
8+70.54	27.50	RT				1	
8+75.65	27.87	RT				1	
8+87.04	26.25	RT				1	
8+87.04	26.25	RT					1
8+96.90	29.73	RT				1	
8+96.90	29.73	RT					1
NICOLE LANE							
11+75.67	43.06	RT					1
13+30.56	28.53	LT					1
14+05.79	28.74	LT					1
14+81.09	28.42	LT					1
15+60.57	79.75	LT		6			
HOOK DRIVE SUBTOTAL				249	90	661	50
WOODBINE DRIVE SUBTOTAL				0	0	15	4
NICOLE LANE SUBTOTAL				6	0	0	4
TOTAL:				255	90	676	58

GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 9 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	35

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

10 SCHEDULE OF DRIVEWAY RELATED ITEMS

STATION	RT/LT	TYPE	PAVEMENT AREA	35101600 AGGREGATE BASE COURSE, TYPE B 4"	35501308 HOT-MIX ASPHALT BASE COURSE, 6"	35501316 HOT-MIX ASPHALT BASE COURSE, 8"	40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	42300400 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	44000200 DRIVEWAY PAVEMENT REMOVAL
			SQ YD	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD
HOOK DRIVE									
84+97.36	RT	CE PCC	32.7	32.7				32.7	
87+72.40	RT	CE PCC	41.2	41.2				41.2	34.1
89+87.35	RT	CE PCC	225.1	225.1				225.1	48.3
WOODBINE DRIVE									
6+49.74	RT	PE HMA	10.7		10.7		1.2		11.8
6+69.48	LT	PE HMA	31.9		31.9		3.6		18.4
6+87.63	RT	PE HMA	13.2		13.2		1.5		18.3
7+33.60	LT	PE HMA	19.3		19.3		2.2		34.6
7+70.68	RT	CE HMA	32.4			32.4	3.6		62.1
7+73.39	LT	CE PCC	26.7	26.7				26.7	47.2
NICOLE LANE									
11+38.96	LT	CE HMA	63.8			63.8	7.1		100.6
11+54.45	RT	CE HMA	95.7			95.7	10.7		109.6
LAKE COUNTY TRAFFIC COURT									
15+23.32	LT	CE HMA	207.6			207.6	23.3		102.4
15+76.83	LT	CE HMA	93.2			93.2	10.4		280.0
			HOOK DRIVE	299	0	0	0	299	83
			WOODBINE DRIVE	27	76	33	13	27	193
			NICOLE LANE	0	0	461	52	0	593
			SUBTOTAL:	326	76	494	65	326	869

11 SCHEDULE OF SIDEWALK RELATED ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	35101600 AGGREGATE BASE COURSE, TYPE B 4"	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	42400410 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	42400800 DETECTABLE WARNINGS	44000600 SIDEWALK REMOVAL
							SQ YD	SQ FT	SQ FT	SQ FT	SQ FT
HOOK DRIVE											
80+85.67		85+50.00	51.98	LT	26.58	LT	270.7	2436.4		13.0	
81+04.00		85+50.00	39.97	RT	26.58	RT	279.4	2336.2	178.0	13.8	
85+50.00		91+00.00	26.58	LT	26.58	LT	303.0	2727.0			
85+50.00		87+51.50	26.58	RT	26.58	RT	114.2	1027.7			
87+49.91		87+86.39	21.58	RT	21.58	RT	17.9		160.7		
87+80.34		90+09.65	26.58	RT	26.58	RT	125.9	1132.8			
90+09.65		91+00.00	26.58	RT	26.58	RT	50.2	222.1	229.7		
91+00.00		96+00.00	26.58	LT	26.58	LT	267.7	2409.0			
91+00.00		96+00.00	26.58	RT	24.58	RT	295.3	2657.3			
91+00.00		99+74.87	26.58	LT	36.79	LT	245.2	2206.9		31.0	
91+00.00		99+56.00	24.58	RT	29.82	RT	220.1	1980.9		12.2	
WOODBINE DRIVE											
9+09.92		9+20.96	38.52	RT	51.13	RT	13.4	120.3		24.4	
9+14.29		9+23.35	25.67	RT	30.95	RT					37.2
9+10.36		9+25.95	37.11	LT	47.11	LT	11.6	104.7		29.5	
9+14.39		9+28.09	24.18	LT	44.22	LT					101.5
NICOLE LANE											
9+87.64		10+18.20	71.51	LT	29.65	LT	39.6	356.4		26.1	296.8
9+95.81		10+18.58	79.86	RT	39.13	RT	35.8	322.1		16.1	319.2
15+91.78		16+50.00	26.58	RT	26.63	RT	33.9	305.4			
16+50.00		21+40.80	26.63	RT	29.47	RT	272.9	2455.7			
HOOK DRIVE SUBTOTAL							2190	19137	569	71	0
WOODBINE DRIVE SUBTOTAL							26	226	0	54	139
NICOLE LANE SUBTOTAL							383	3440	0	43	617
						TOTAL:	2599	22803	569	168	756

12 SCHEDULE OF CURB AND GUTTER RELATED ITEMS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	44000500 COMBINATION CURB AND GUTTER REMOVAL	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
							FOOT	FOOT
HOOK DRIVE								
80+84.08		85+50.00	51.98	LT	17.00	LT		483.1
80+84.14		85+50.00	64.02	RT	17.00	RT		489.2
85+50.00		91+00.00	21.58	LT	26.58	LT		
85+50.00		87+51.50	26.58	RT	26.58	RT		
85+50.00		91+00.00	17.00	LT	17.00	LT		546.8
85+50.00		87+49.91	17.00	RT	21.58	RT		203.3
87+51.50		87+49.79	26.58	RT	33.53	RT		5.6
87+72.40		87+80.34	41.60	RT	26.58	RT		22.1
87+86.39		91+00.00	21.58	RT	17.00	RT		314.5
87+40.33		89+86.62	24.34	RT	64.07	RT	252.8	
87+41.51		87+49.49	17.00	RT	20.98	RT		9.2
87+49.80		87+50.45	27.10	RT	32.04	RT	5.1	
87+72.88		87+86.23	40.05	RT	26.36	RT	19.5	
91+00.00		96+00.00	17.00	RT	17.00	RT		512.8
91+00.00		96+00.00	17.00	LT	17.00	LT		487.2
96+00.00		99+82.93	17.00	LT	51.23	LT		420.4
96+00.00		99+81.97	17.00	RT	56.81	RT		381.7
99+81.70		99+82.77	35.42	RT	55.08	LT	111.3	
WOODBINE DRIVE								
6+49.93		9+29.94	9.67	LT	58.39	LT		300.8
6+50.00		9+28.62	9.40	RT	61.17	RT		305.0
7+51.52		7+62.48	10.58	LT	27.77	LT	23.2	
7+84.24		7+94.06	27.72	LT	10.58	LT	22.6	
8+94.57		9+29.94	11.36	LT	58.37	LT	67.3	
8+95.63		9+28.77	13.01	RT	64.17	RT	70.0	
NICOLE LANE								
9+87.64		14+50.00	60.61	LT	13.46	LT	493.9	
9+87.64		14+50.00	60.61	LT	18.00	LT		536.8
9+94.19		14+50.00	79.90	RT	13.75	RT	506.4	
9+94.22		11+40.45	79.92	RT	43.00	RT		190.6
11+68.45		14+50.00	43.00	RT	18.00	RT		295.8
10+97.76		11+16.97	15.86	LT	30.08	LT	24.3	
11+60.42		11+83.90	30.06	LT	15.66	LT	28.0	
11+26.30		11+40.59	16.16	RT	43.08	RT	32.5	
11+68.32		11+83.39	43.02	RT	16.29	RT	32.6	
14+50.00		14+91.82	18.00	LT	18.00	LT		41.8
14+50.00		14+75.75	18.00	RT	18.00	RT		25.8
15+54.82		16+50.00	18.00	LT	17.97	LT		93.1
15+91.78		16+50.00	18.00	RT	18.05	RT		60.3
14+50.00		16+50.00	13.46	LT	13.31	LT	198.4	
14+50.00		16+50.00	13.75	RT	13.88	RT	201.6	
16+50.00		17+82.15	13.30	LT	14.23	LT	126.7	
16+50.00		17+82.14	17.80	LT	14.23	LT		125.0
16+50.00		18+24.82	13.88	RT	12.99	RT	180.4	
16+50.00		18+25.35	18.05	RT	13.22	RT		182.4
LAKE COUNTY TRAFFIC COURT								
15+60.13		14+93.66	16.11	LT	107.82	LT	193.9	
16+06.10		16+10.16	16.34	LT	90.67	LT	82.8	
14+91.82		14+93.66	18.00	LT	107.82	LT		117.2
15+54.82		16+10.16	18.00	LT	90.67	LT		194.7
HOOK DRIVE SUBTOTAL							389.0	3876.0
WOODBINE DRIVE SUBTOTAL							184.0	606.0
NICOLE LANE SUBTOTAL							2102.0	1864.0
						TOTAL:	2675.0	6346.0

13 SCHEDULE OF DRAINAGE STRUCTURE REMOVALS

STATION	OFFSET	RT/LT	60500040 REMOVING MANHOLES (EACH)	60500050 REMOVING CATCH BASINS (EACH)	60500060 REMOVING INLETS (EACH)
WOODBINE DRIVE					
7+36.89	15.16	RT		1	
7+57.11	22.67	LT		1	
7+88.66	22.85	LT	1		
9+21.52	45.80	RT	1		
9+28.79	48.56	RT			1
NICOLE LANE					
9+95.10	48.67	RT			1
10+44.90	20.41	LT	1		
10+45.29	13.57	RT			1
10+45.99	13.70	LT			1
12+71.37	14.48	RT			1
12+71.76	21.73	LT	1		
12+73.37	13.59	LT			1
17+51.41	14.22	RT			1
17+51.72	13.55	LT			1
WOODBINE DRIVE SUBTOTAL			2	2	1
NICOLE LANE SUBTOTAL			2	0	7
TOTAL:			4	2	8

14 SCHEDULE OF STORM SEWER REMOVALS

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	50105220 PIPE CULVERT REMOVAL (FOOT)	55100300 STORM SEWER REMOVAL 8" (FOOT)	55100400 STORM SEWER REMOVAL 10" (FOOT)	55100500 STORM SEWER REMOVAL 12" (FOOT)	55100700 STORM SEWER REMOVAL 15" (FOOT)
WOODBINE DRIVE											
6+47.87	TO	6+62.93	14.51	RT	14.72	RT	15.1				
6+58.78	TO	6+86.00	14.96	LT	15.29	LT	27.2				
6+75.77	TO	7+00.77	13.88	RT	13.84	RT	25.0				
7+22.72	TO	7+43.22	20.11	LT	20.24	LT	20.5				
7+26.56	TO	7+56.11	22.48	LT	22.66	LT		29.6			
7+37.36	TO	7+56.64	14.28	RT	21.78	LT				40.9	
7+55.73	TO	7+86.83	13.18	RT	13.34	RT	31.1				
7+58.11	TO	7+87.66	22.67	LT	22.85	LT				29.6	
7+89.66	TO	8+84.48	22.86	LT	23.10	LT				96.0	
9+21.55	TO	9+21.55	54.80	LT	46.80	LT					8.0
9+21.53	TO	9+21.65	44.80	LT	36.81	LT					8.0
9+22.45	TO	9+27.86	46.16	LT	48.21	LT			5.8		
NICOLE LANE											
10+45.03	TO	10+45.28	36.41	RT	14.57	RT				21.9	
10+45.32	TO	10+45.96	12.57	RT	12.70	LT				25.3	
10+45.83	TO	10+45.06	14.69	RT	19.42	LT				4.8	
10+45.90	TO	10+52.79	20.41	LT	20.45	LT				6.9	
12+55.00	TO	12+70.75	21.63	LT	21.72	LT				15.8	
12+72.76	TO	12+75.00	21.72	LT	21.71	LT				2.2	
12+71.39	TO	12+73.33	14.15	RT	12.96	LT				27.2	
12+73.18	TO	12+71.96	14.57	LT	20.75	LT				6.3	
17+51.42	TO	17+51.71	13.89	RT	12.55	LT				26.4	
WOODBINE DRIVE SUBTOTAL							119	30	6	167	16
NICOLE LANE SUBTOTAL							0	0	0	137	0
TOTAL:							119	30	6	304	16

15 SCHEDULE OF FENCE REMOVAL

START STATION	TO	END STATION	OFFSET 1	RT/LT	OFFSET 2	RT/LT	X6640104 FENCE REMOVAL (FOOT)
HOOK DRIVE							
86+85.84	TO	87+58.94	59.02	LT	36.70	LT	73.8
87+25.97	TO	87+52.47	43.82	RT	38.41	LT	86.7
90+90.84	TO	91+15.51	17.32	RT	43.49	LT	65.7
92+44.06	TO	93+97.65	57.09	RT	51.28	LT	186.3
93+17.16	TO	95+46.08	154.99	LT	188.70	LT	171.7
93+67.58	TO	94+27.15	41.30	LT	40.33	RT	101.4
93+97.37	TO	93+60.54	67.62	LT	112.20	LT	51.2
93+97.65	TO	94+16.66	51.28	LT	7.37	LT	47.2
95+59.53	TO	95+64.89	266.75	LT	230.15	LT	38.1
95+69.81	TO	95+73.30	148.16	LT	133.02	LT	16.1
95+95.15	TO	95+99.33	52.09	LT	39.13	LT	13.8
HOOK DRIVE SUBTOTAL							852.0
TOTAL:							852.0

16 SCHEDULE OF DRAINAGE ADJUST / RECONSTRUCT ITEMS

STATION	OFFSET	RT/LT	56109210 WATER VALVES TO BE ADJUSTED (EACH)	56400300 FIRE HYDRANTS TO BE ADJUSTED (EACH)	60255500 MANHOLES TO BE ADJUSTED (EACH)	60257900 MANHOLES TO BE RECONSTRUCTED (EACH)	60261000 INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE (EACH)	60266100 VALVE VAULTS TO BE RECONSTRUCTED (EACH)	X6026050 SANITARY MANHOLES TO BE ADJUSTED (EACH)	X6026051 SANITARY MANHOLES TO BE RECONSTRUCTED (EACH)
HOOK DRIVE										
87+54.77	36.52	RT						1		
87+61.74	14.24	LT							1	
87+65.79	35.61	RT						1		
88+01.90	23.78	RT				1				
88+37.99	28.20	RT	1							
88+94.93	30.78	RT					1			
WOODBINE DRIVE										
6+86.85	19.22	LT	1						1	
7+07.22	9.60	RT							1	
7+19.87	23.59	LT	1							
7+71.15	10.78	RT							1	
8+11.13	12.02	LT	1							
8+20.33	20.25	LT	1							
8+65.65	18.05	LT		1						
8+73.54	5.63	LT						1		
NICOLE LANE										
10+03.32	33.71	LT						1		
10+32.12	18.23	RT		1						
13+85.91	27.16	LT								1
17+27.65	3.63	RT			1					
HOOK DRIVE SUBTOTAL			1	0	0	1	1	2	1	0
WOODBINE DRIVE SUBTOTAL			4	1	0	0	0	1	3	0
NICOLE LANE SUBTOTAL			0	1	1	0	0	1	0	1
TOTAL:			5	2	1	1	1	4	4	1

GEWALT HAMILTON ASSOCIATES, INC.

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Default	PLOT DATE = 5/14/2025	DATE - 5/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 11 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	37
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

17 SCHEDULE OF PAVEMENT MARKING ITEMS

START STATION	TO	END STATION	RT/LT/CTR	DESCRIPTION	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
					SQ FT	FOOT	FOOT	FOOT	FOOT
HOOK DRIVE									
80+99.00	TO	80+99.00	LT TO RT	CROSSWALK				58.8	
81+05.00	TO	81+05.00	LT TO RT	CROSSWALK				52.0	
81+10.00	TO	85+50.00	CTR	DOUBLE YELLOW		881.4			
81+10.00	TO	82+25.00	CTR	TURN LANE LINE			115.0		
81+10.00	TO	81+35.00	LT	2/6 SKIP DASH			6.3		
81+10.00	TO	81+10.00	LT TO RT	STOP BAR					29.0
81+10.51	TO	85+50.00	RT	BIKE LANE LINE			442.1		
81+34.07	TO	81+40.07	RT	BIKE SYMBOL	4.6				
81+35.00	TO	85+50.00	LT	BIKE LANE LINE			413.1		
81+35.03	TO	81+41.03	LT	BIKE LANE ARROW	4.5				
81+46.07	TO	81+52.07	RT	BIKE LANE ARROW	4.5				
81+47.03	TO	81+53.03	LT	BIKE SYMBOL	4.6				
81+80.73	TO	81+89.98	RT	COMBINATION LEFT & THRU	26.0				
81+81.77	TO	82+13.77	LT	RIGHT TURN ONLY	36.4				
82+24.52	TO	85+24.54	LT	2/6 SKIP DASH WHITE TAPER			74.8		
85+50.00	TO	91+00.00	CTR	DOUBLE YELLOW		1100.0			
85+50.00	TO	91+00.00	RT	BIKE LANE LINE			552.3		
85+50.00	TO	91+00.00	LT	BIKE LANE LINE			547.8		
86+29.21	TO	86+35.30	LT	BIKE LANE ARROW	4.5				
86+29.38	TO	86+35.30	RT	BIKE SYMBOL	4.6				
86+41.21	TO	86+47.12	RT	BIKE LANE ARROW	4.5				
86+41.38	TO	86+47.47	LT	BIKE SYMBOL	4.6				
88+77.63	TO	88+83.62	LT	BIKE LANE ARROW	4.5				
88+77.92	TO	88+83.93	RT	BIKE SYMBOL	4.6				
88+89.61	TO	88+95.61	LT	BIKE SYMBOL	4.6				
88+89.92	TO	88+95.91	RT	BIKE LANE ARROW	4.5				
91+00.00	TO	96+00.00	CTR	DOUBLE YELLOW		1000.0			
91+00.00	TO	96+00.00	RT	BIKE LANE LINE			509.1		
91+00.00	TO	96+00.00	LT	BIKE LANE LINE			491.0		
91+25.77	TO	91+32.06	LT	BIKE LANE ARROW	4.5				
91+27.70	TO	91+33.44	RT	BIKE SYMBOL	4.6				
91+38.34	TO	91+44.63	LT	BIKE SYMBOL	4.6				
91+39.18	TO	91+44.92	RT	BIKE LANE ARROW	4.5				
93+70.97	TO	93+77.25	LT	BIKE LANE ARROW	4.5				
93+73.16	TO	93+78.90	RT	BIKE SYMBOL	4.6				
93+83.53	TO	93+89.82	LT	BIKE SYMBOL	4.6				
93+84.64	TO	93+90.39	RT	BIKE LANE ARROW	4.5				
96+00.00	TO	99+50.00	CTR	DOUBLE YELLOW		705.0			
96+00.00	TO	99+50.00	RT	BIKE LANE LINE			335.1		
96+00.00	TO	99+50.00	LT	BIKE LANE LINE			365.2		
96+26.04	TO	96+32.41	RT	BIKE SYMBOL	4.6				
96+27.54	TO	96+33.22	LT	BIKE LANE ARROW	4.5				
96+38.78	TO	96+45.14	RT	BIKE LANE ARROW	4.5				
96+38.89	TO	96+44.55	LT	BIKE SYMBOL	4.6				
97+00.00	TO	98+35.00	RT	2/6 SKIP DASH WHITE TAPER			33.4		
98+35.00	TO	99+50.00	RT	TURN LANE LINE			114.2		
98+45.69	TO	98+77.64	RT	LEFT TURN ONLY	36.4				
99+05.69	TO	99+11.69	RT	BIKE SYMBOL	4.6				
99+05.73	TO	99+11.73	LT	BIKE LANE ARROW	4.5				
99+17.69	TO	99+23.69	RT	BIKE LANE ARROW	4.5				
99+17.73	TO	99+23.73	LT	BIKE SYMBOL	4.6				
99+50.00	TO	99+50.00	LT TO RT	STOP BAR					27.0
99+55.00	TO	99+55.00	LT TO RT	CROSSWALK				44.1	
99+61.00	TO	99+61.00	LT TO RT	CROSSWALK				47.1	

17 SCHEDULE OF PAVEMENT MARKING ITEMS

START STATION	TO	END STATION	RT/LT/CTR	DESCRIPTION	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
					SQ FT	FOOT	FOOT	FOOT	FOOT
WOODBINE DRIVE									
6+96.37	TO	9+00.95	CTR TO LT	DOUBLE YELLOW		409.4			
6+96.37	TO	7+85.40	CTR TO RT	2/6 SKIP DASH			88.9		
7+85.40	TO	9+10.99	RT	TURN LANE LINE			125.6		
9+00.95	TO	9+00.95	LT TO RT	STOP BAR					12.0
9+10.99	TO	9+10.99	RT	STOP BAR					20.0
9+19.09	TO	9+19.31	LT TO RT	CROSSWALK				73.0	
9+24.51	TO	9+94.51	LT	CROSSWALK				70.0	
NICOLE LANE									
9+50.66	TO	10+00.20	RT	STOP BAR					49.6
10+12.00	TO	10+12.00	LT TO RT	CROSSWALK				64.0	
10+21.20	TO	10+21.20	LT TO RT	STOP BAR					24.8
10+20.20	TO	12+21.99	RT	DOUBLE YELLOW		403.8			
10+22.18	TO	11+40.76	LT	TURN LANE LINE			118.6		
10+98.44	TO	11+30.32	CTR	LEFT TURN ONLY	36.4				
11+40.76	TO	12+75.76	LT	2/6 SKIP DASH			135.0		
11+40.99	TO	12+75.76	LT TO RT	DOUBLE YELLOW		270.8			
11+78.78	TO	13+27.43	RT TO LT	YELLOW DIAGONAL AT 40' C-C				38.6	
12+21.99	TO	13+56.98	LT TO RT	DOUBLE YELLOW		271.1			
12+75.76	TO	14+50.00	LT	DOUBLE YELLOW		348.5			
13+68.15	TO	14+00.15	CTR	LEFT TURN ONLY	36.4				
14+50.00	TO	14+71.98	LT	DOUBLE YELLOW		44.0			
14+50.00	TO	14+71.98	RT	TURN LANE LINE		22.0			
15+90.82	TO	16+50.00	LT	TURN LANE LINE		58.0			
15+90.82	TO	16+50.00	RT	DOUBLE YELLOW		119.8			
16+50.00	TO	17+06.93	LT	TURN LANE LINE		55.6			
16+67.84	TO	16+99.82	CTR	LEFT TURN ONLY	36.4				
17+06.93	TO	18+43.71	LT	2/6 SKIP DASH			128.6		
16+50.00	TO	18+43.71	LT TO RT	DOUBLE YELLOW		392.0			
LAKE COUNTY TRAFFIC COURT									
15+11.82	TO	15+22.82	LT	STOP BAR					11.0
15+22.82	TO	15+22.82	LT	DOUBLE YELLOW		77.5			
15+67.83	TO	15+67.84	LT	PARKING LANE		18.0			
15+76.83	TO	15+76.84	LT	PARKING LANE		18.0			
15+85.83	TO	15+85.84	LT	PARKING LANE		18.0			
HOOK DRIVE SUBTOTAL					227	3687	4000	202	56
WOODBINE DRIVE SUBTOTAL					0	410	215	143	33
NICOLE LANE SUBTOTAL					110	2117	383	103	86
TOTAL:					337	6214	4598	448	175

GEWALT HAMILTON ASSOCIATES, INC.

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		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: N/A | SHEET 12 OF 13 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	38
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

18 SCHEDULE OF SIGN ITEMS

STATION	OFFSET	RT/LT	DESCRIPTION	72000100 SIGN PANEL - TYPE 1	72400310 REMOVE SIGN PANEL - TYPE 1	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	72800100 TELESCOPING STEEL SIGN SUPPORT	X7240502 RELOCATE SIGN, SPECIAL
				SQ FT	SQ FT	EACH	FOOT	EACH
HOOK DRIVE								
81+10.00	28.58	LT	R1-1 (36"x36"), D3-1 (2 TOTAL)	15			17.5	
90+00.00	20.08	RT	R3-17	3			13.5	
90+00.00	20.08	LT	R3-17	3			13.5	
99+45.00	25.75	RT	R1-1 (36"x36"), R1-3P (18"x6")	9.75			15.5	
99+79.02	47.11	LT	R1-3P (18"x6")	0.75	0.75			
100+35.94	29.62	RT	RELOCATE TO (82+10.00, 33.00 RT)			1		
100+21.98	56.85	RT	R1-3P (18"x6")	0.75	0.75			
100+48.06	26.18	LT	R1-3P (18"x6")	0.75	0.75			
101+55.00	24.17	LT	RELOCATE TO (82+10.00, 20.08 LT)			1		
LAKE COUNTY COURTHOUSE - NICOLE LANE								
15+41.26	55.66	LT	RELOCATED TO (14+99, 54.45 LT)					1
15+06.32	38.00	LT	R1-1 (36"x36")	9			15	
			TOTAL:	42	3	2	75	1

19 SCHEDULE OF RIPRAP

STATION	OFFSET	RT/LT	28100105 STONE RIPRAP, CLASS A3 (15" DEPTH)	28100107 STONE RIPRAP, CLASS A4 (20" DEPTH)	28200200 FILTER FABRIC
			SQ YD	SQ YD	SQ YD
HOOK DRIVE					
94+30.00	46.60	RT	9.6		9.6
94+30.00	52.08	LT		37.3	37.3
84+86.46	329.84	LT		22.3	22.3
87+39.66	392.01	LT	9.3		9.3
94+07.37	151.60	LT		34.6	34.6
95+88.35	278.59	LT	9.3		9.3
		TOTAL:	29	95	123

20 SCHEDULE OF TEMPORARY ACCESS ITEMS

STATION	RT/LT	TYPE	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
			EACH	EACH
WOODBINE DRIVE				
6+49.74	RT	PE HMA	1	
6+69.48	LT	PE HMA	1	
6+87.63	RT	PE HMA	1	
7+33.60	LT	PE HMA	1	
7+70.68	RT	CE HMA		1
7+73.39	LT	CE PCC		1
NICOLE LANE				
11+38.96	LT	CE HMA		1
11+54.45	RT	CE HMA		1
LAKE COUNTY TRAFFIC COURT				
15+23.32	LT	CE HMA		1
15+76.83	LT	CE HMA		1
WOODBINE DRIVE SUBTOTAL			4	2
NICOLE LANE SUBTOTAL			0	4
TOTAL:			4	6

HOOK DRIVE - ALIGNMENT COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	79+55.00	2081323.32	1051613.87
PC	83+89.33	2081321.68	1052048.20
PI	85+66.80	2081321.02	1052225.67
PT	87+40.61	2081381.45	1052392.52
PC	91+22.70	2081511.58	1052751.78
PI	92+97.60	2081571.14	1052916.22
PT	94+43.60	2081741.20	1052957.09
PC	95+41.64	2081836.52	1052980.01
PI	97+38.19	2082027.63	1053025.94
PT	98+75.50	2082029.61	1053222.49
PI	100+00.00	2082030.86	1053347.10
POT	101+00.00	2082031.87	1053446.98

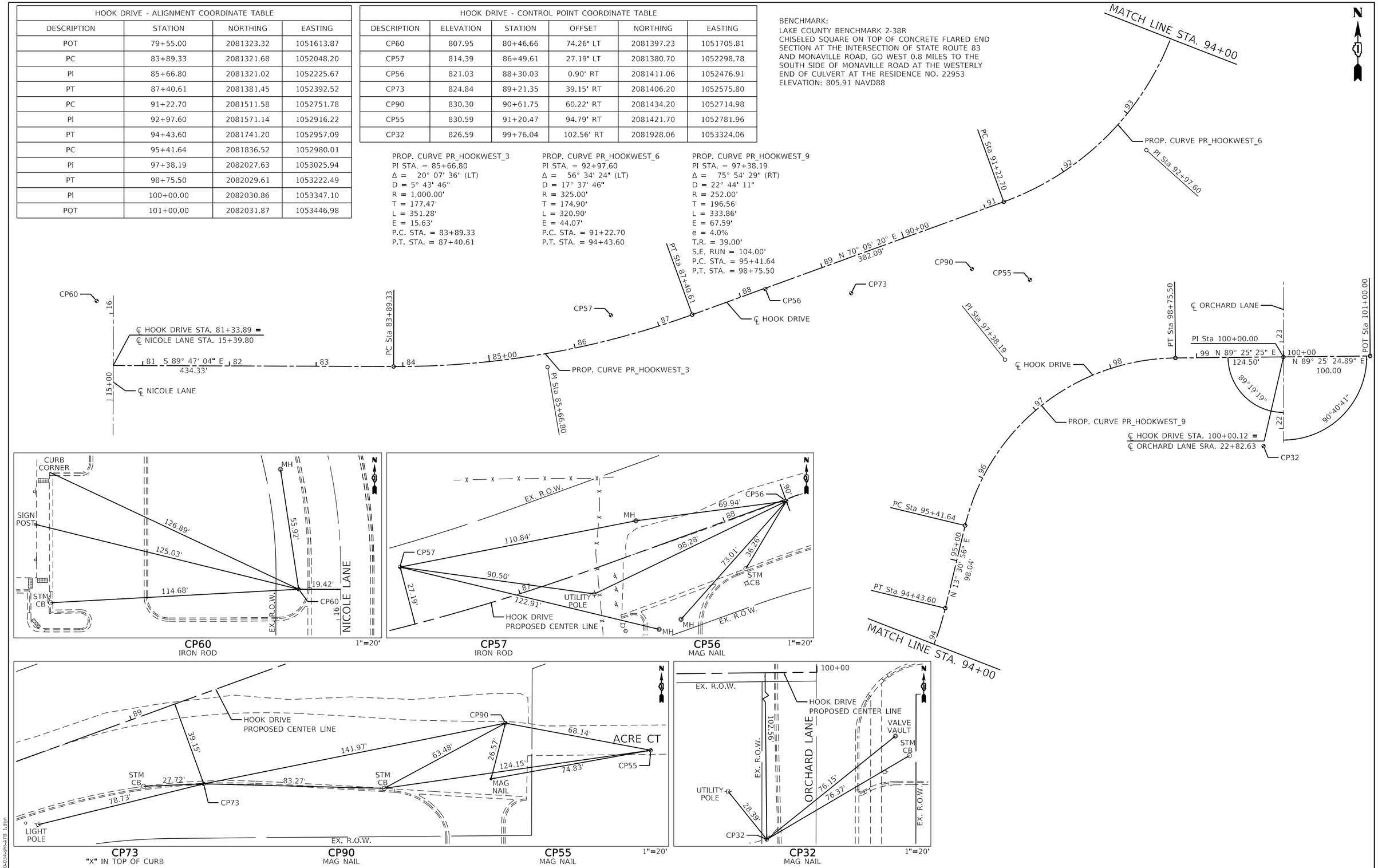
HOOK DRIVE - CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP60	807.95	80+46.66	74.26' LT	2081397.23	1051705.81
CP57	814.39	86+49.61	27.19' LT	2081380.70	1052298.78
CP56	821.03	88+30.03	0.90' RT	2081411.06	1052476.91
CP73	824.84	89+21.35	39.15' RT	2081406.20	1052575.80
CP90	830.30	90+61.75	60.22' RT	2081434.20	1052714.98
CP55	830.59	91+20.47	94.79' RT	2081421.70	1052781.96
CP32	826.59	99+76.04	102.56' RT	2081928.06	1053324.06

BENCHMARK:
LAKE COUNTY BENCHMARK 2-38R
CHISELED SQUARE ON TOP OF CONCRETE FLARED END SECTION AT THE INTERSECTION OF STATE ROUTE 83 AND MONAVILLE ROAD, GO WEST 0.8 MILES TO THE SOUTH SIDE OF MONAVILLE ROAD AT THE WESTERLY END OF CULVERT AT THE RESIDENCE NO. 22953
ELEVATION: 805.91 NAVD88

PROP. CURVE PR_HOOKWEST_3
PI STA. = 85+66.80
Δ = 20° 07' 36" (LT)
D = 5° 43' 46"
R = 1,000.00'
T = 177.47'
L = 351.28'
E = 15.63'
P.C. STA. = 83+89.33
P.T. STA. = 87+40.61

PROP. CURVE PR_HOOKWEST_6
PI STA. = 92+97.60
Δ = 56° 34' 24" (LT)
D = 17° 37' 46"
R = 325.00'
T = 174.90'
L = 320.90'
E = 44.07'
P.C. STA. = 91+22.70
P.T. STA. = 94+43.60

PROP. CURVE PR_HOOKWEST_9
PI STA. = 97+38.19
Δ = 75° 54' 29" (RT)
D = 22° 44' 11"
R = 252.00'
T = 196.56'
L = 333.86'
E = 67.59'
e = 4.0%
T.R. = 39.00'
S.E. RUN = 104.00'
P.C. STA. = 95+41.64
P.T. STA. = 98+75.50



CP60
IRON ROD
1"=20'

CP57
IRON ROD

CP56
MAG NAIL
1"=20'

CP73
"X" IN TOP OF CURB

CP90
MAG NAIL

CP55
MAG NAIL
1"=20'

CP32
MAG NAIL
1"=20'

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-ATB 1.dgn

FILE NAME = 4600-034-sht-ATB 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:100	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
HOOK DRIVE

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	40

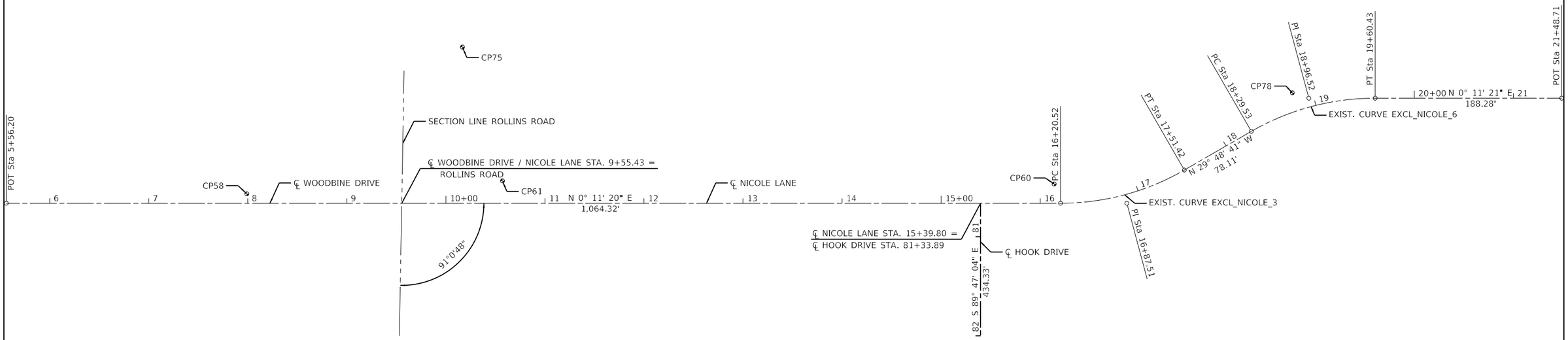
CONTRACT NO. 61J86
ILLINOIS FED. AID PROJECT

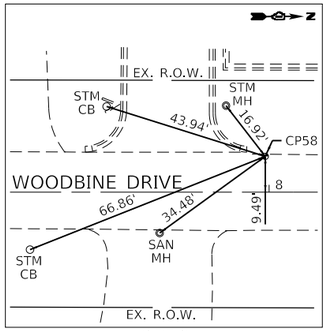
WOODBINE DRIVE / NICOLE LANE - ALIGNMENT COORDINATE TABLE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	5+56.20	2080339.30	1051721.74
PC	16+20.52	2081403.62	1051725.25
PI	16+87.51	2081470.61	1051725.47
PT	17+51.42	2081528.73	1051692.17
PC	18+29.53	2081596.50	1051653.33
PI	18+96.52	2081654.62	1051620.03
PT	19+60.43	2081721.61	1051620.25
POT	21+48.71	2081909.89	1051620.87

WOODBINE DRIVE / NICOLE LANE - CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP58	799.35	7+99.03	9.49' LT	2080582.17	1051713.04
CP75	796.95	10+16.74	157.58' LT	2080800.36	1051565.67
CP61	801.15	10+57.06	22.60' LT	2080840.24	1051700.79
CP60	807.95	16+14.07	19.42' LT	2081397.23	1051705.81
CP78	802.30	18+81.30	18.76' LT	2081637.97	1051614.57

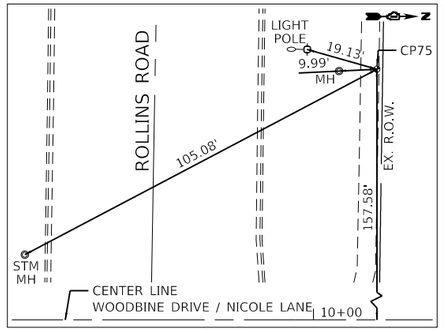
EXIST. CURVE EXCL_NICOLE_3
PI STA. = 16+87.51
Δ = 30° 00' 01" (LT)
D = 22° 55' 06"
R = 250.00'
T = 66.99'
L = 130.90'
E = 8.82'
P.C. STA. = 16+20.52
P.T. STA. = 17+51.42

EXIST. CURVE EXCL_NICOLE_6
PI STA. = 18+96.52
Δ = 30° 00' 00" (RT)
D = 22° 55' 06"
R = 250.00'
T = 66.99'
L = 130.90'
E = 8.82'
P.C. STA. = 18+29.53
P.T. STA. = 19+60.43

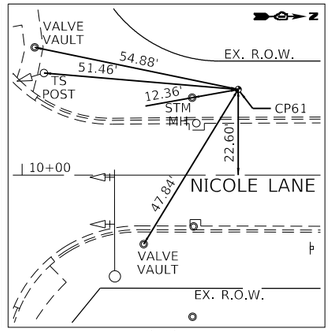




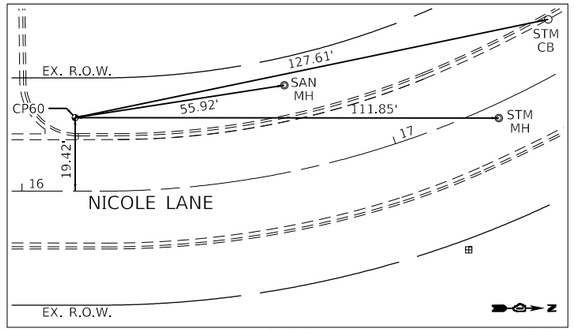
CP58
MAG NAIL
1"=20'



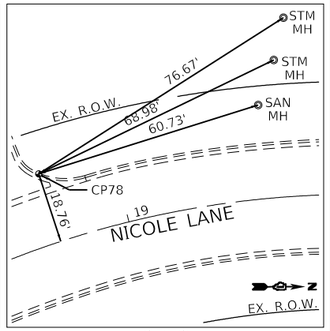
CP75
"X" IN SIDEWALK
1"=20'



CP61
IRON ROD
1"=20'



CP60
IRON ROD
1"=20'



CP78
"X" IN TOP OF CURB
1"=20'

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-ATB 2.dgn

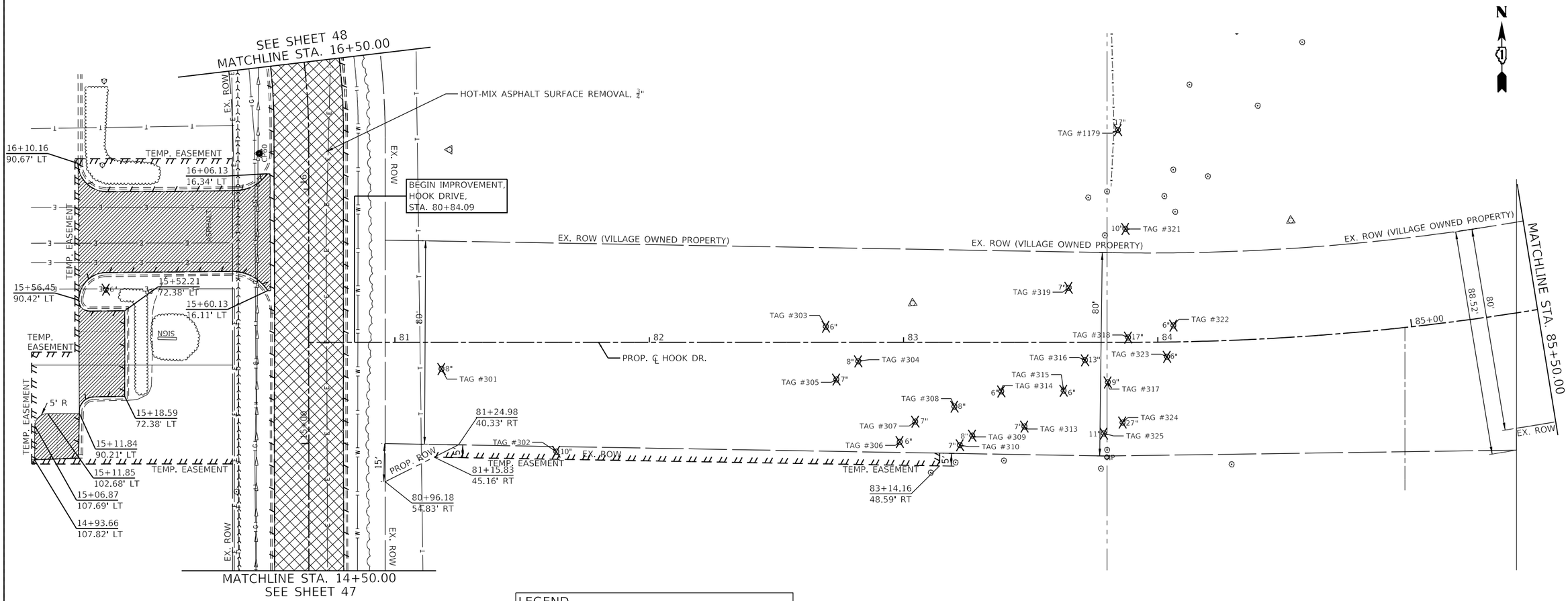
FILE NAME = 4600-034-sht-ATB 2.dgn 4600.054 Default	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:100	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
WOODBINE DRIVE AND NICOLE LANE

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1 20 & 0050	17-00080-00-PV	LAKE	150	41
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X — TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ — DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.

3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Hook 1.dgn

FILE NAME = 4600-034-sht-removal-Hook 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
REMOVAL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

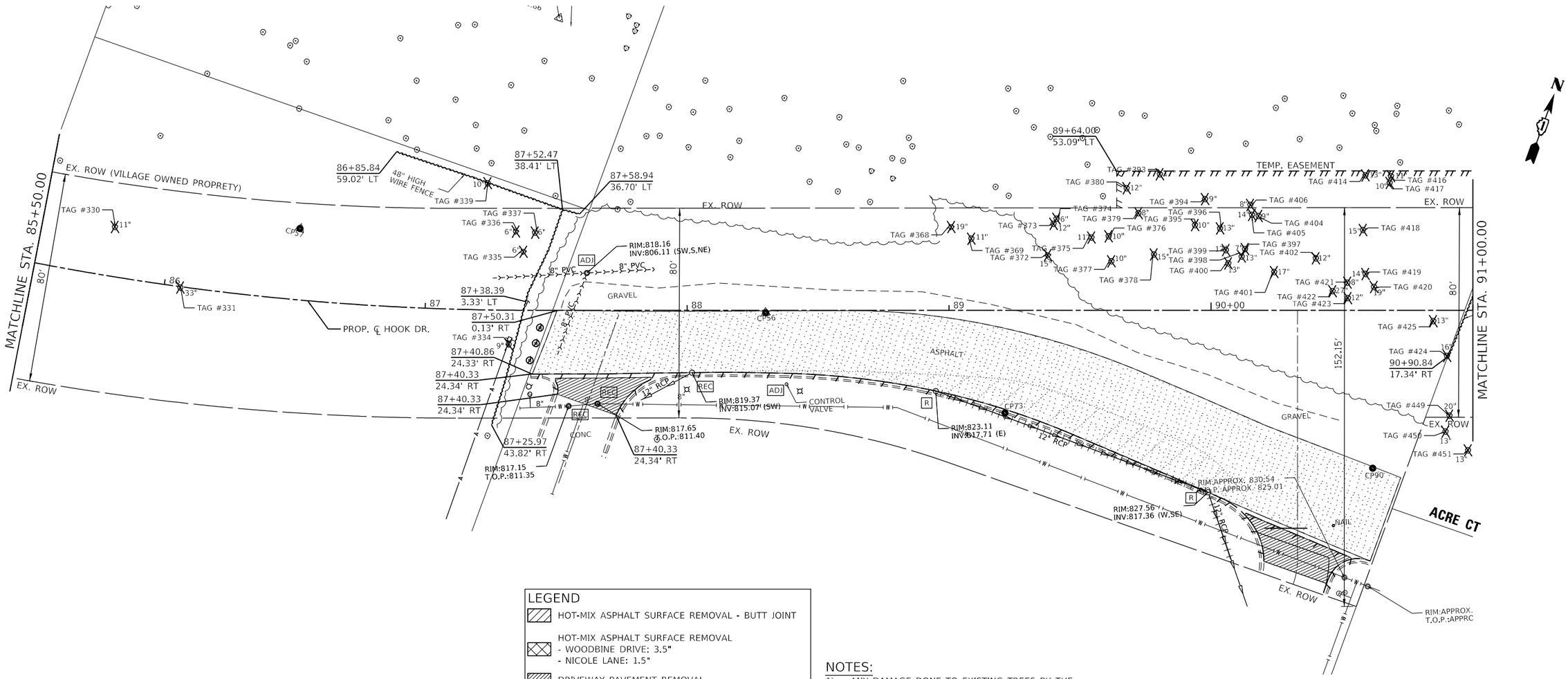
REMOVAL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 81+34 TO STA. 85+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	42

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.

3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Hook 2.dgn

FILE NAME = 4600-034-sht-removal-Hook 2.dgn	USER NAME = mvasak	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
REMOVAL	PLOT DATE = 5/14/2025	DATE - 5/14/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

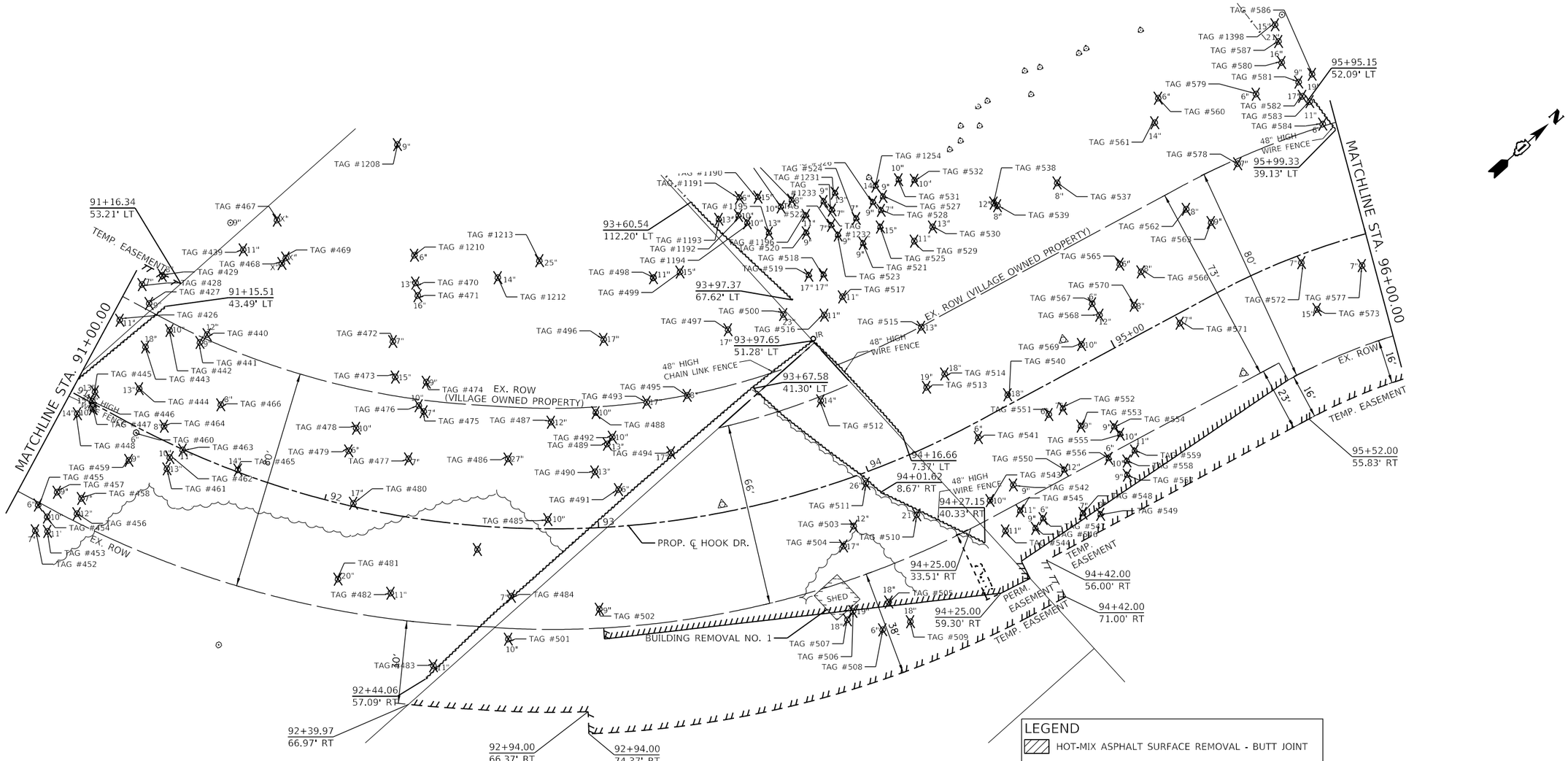
REMOVAL PLAN
HOOK DRIVE

SCALE:1"=20' | SHEET 2 OF 8 SHEETS | STA. 85+50 TO STA. 91+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	43

CONTRACT NO. 61J86

ILLINOIS FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X — TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ — DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.
3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Hook 3.dgn

FILE NAME = 4600-034-sht-removal-Hook 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
REMOVAL	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

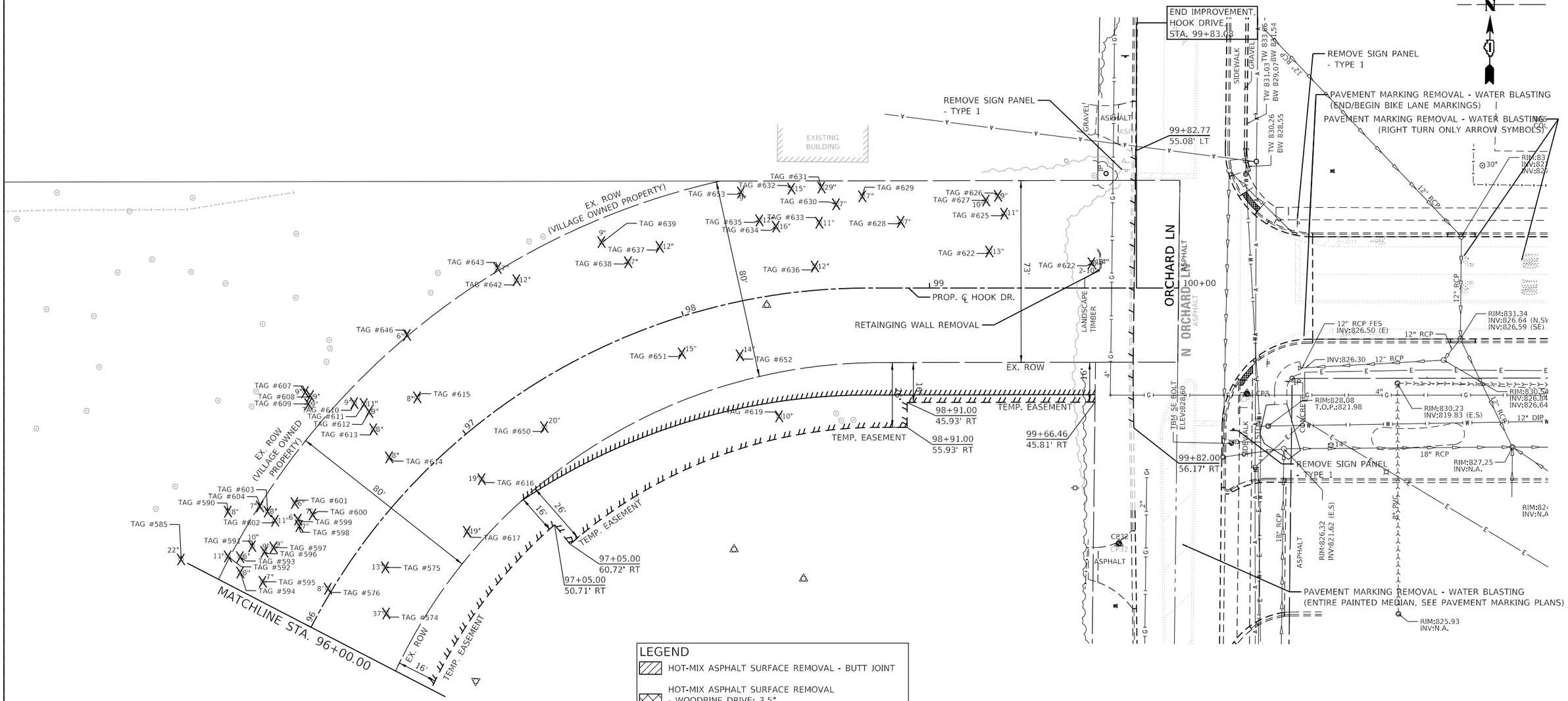
REMOVAL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 91+00 TO STA. 96+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	44

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.

3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Hook 4.dgn

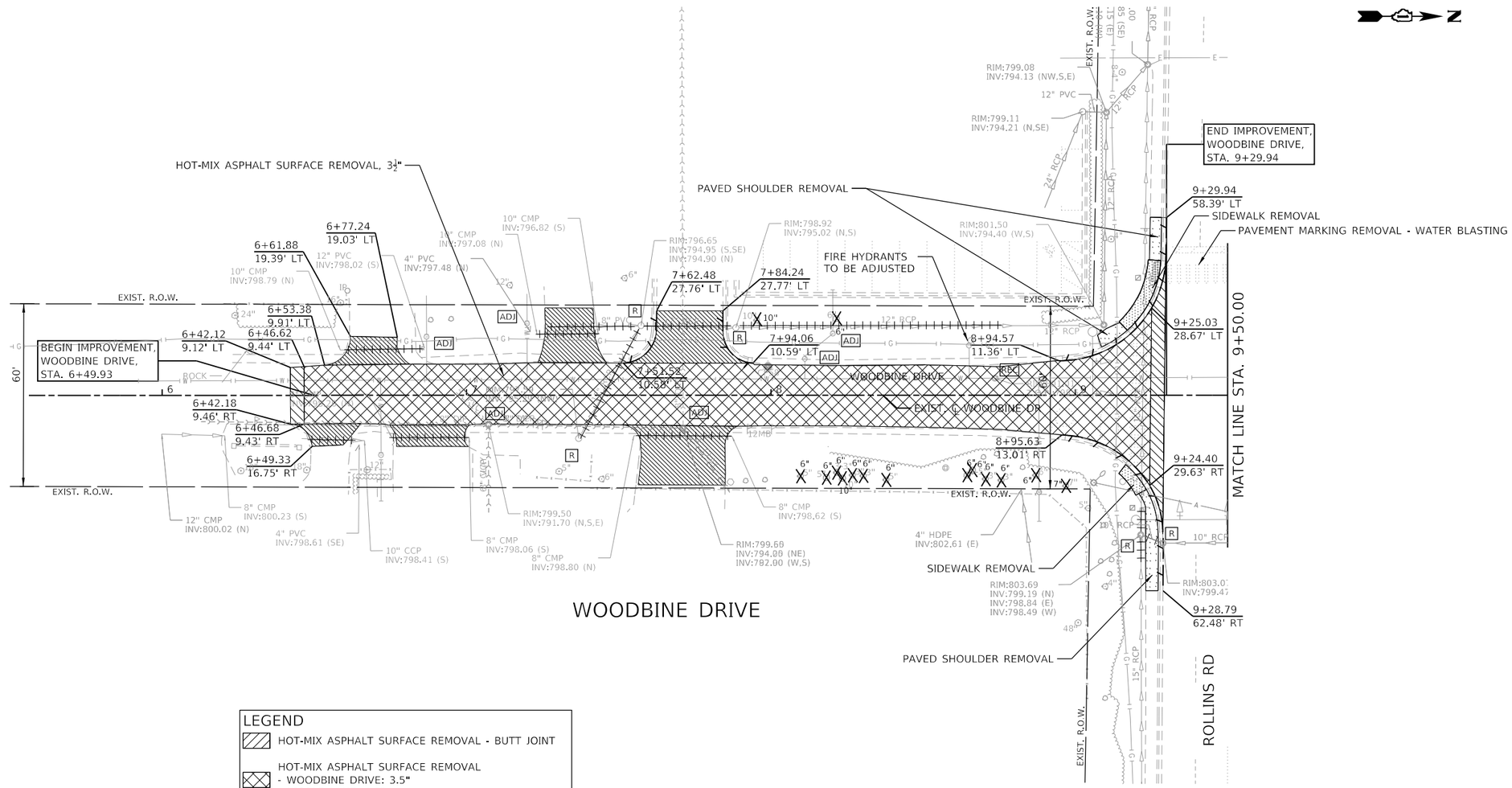
FILE NAME = 4600-034-sht-removal-Hook 4.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
REMOVAL	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 96+00 TO STA. 100+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	45
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.

3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Woodbine 1.dgn

FILE NAME = 4600-034-sht-removal-Woodbine 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
REMOVAL	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

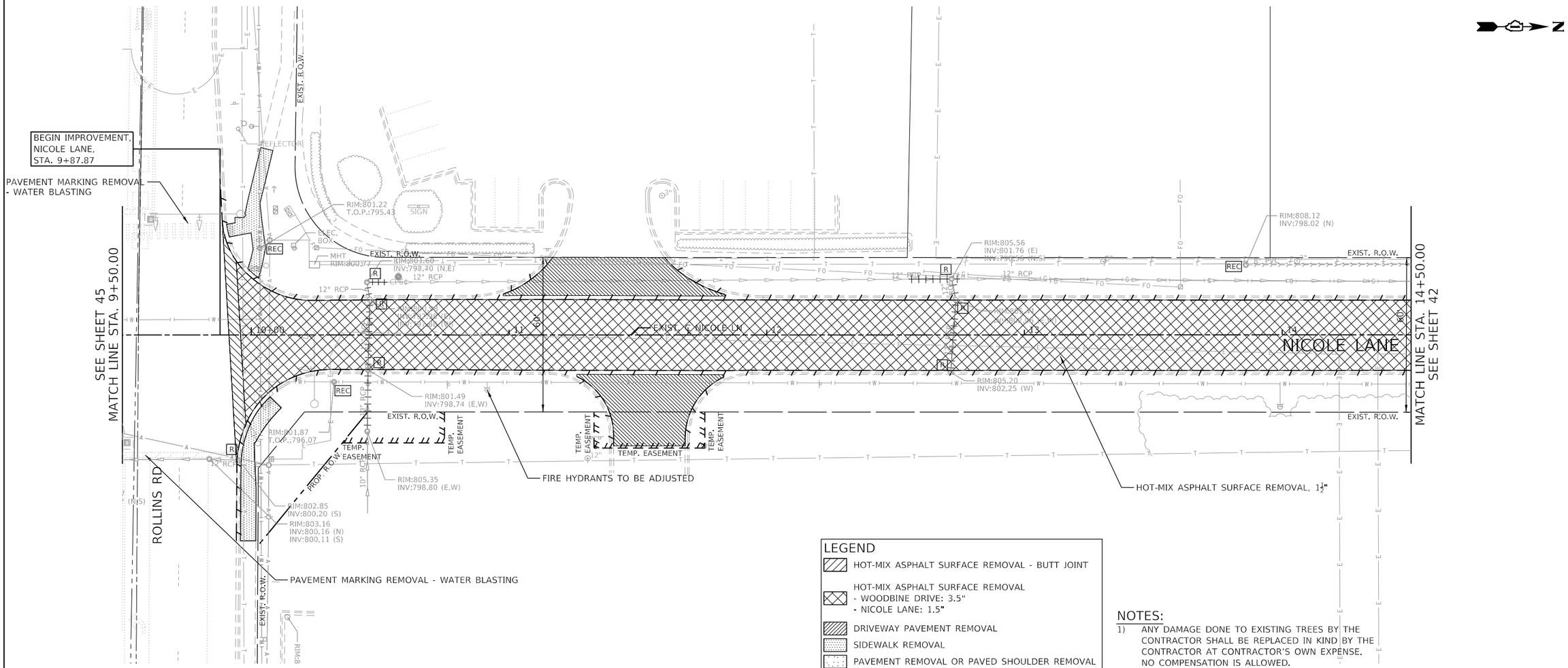
REMOVAL PLAN
WOODBINE DRIVE

SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 6+50 TO STA. 9+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	46

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X — TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ — DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.
3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Nicole 1.dgn

FILE NAME = 4600-034-sht-removal-Nicole 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
REMOVAL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

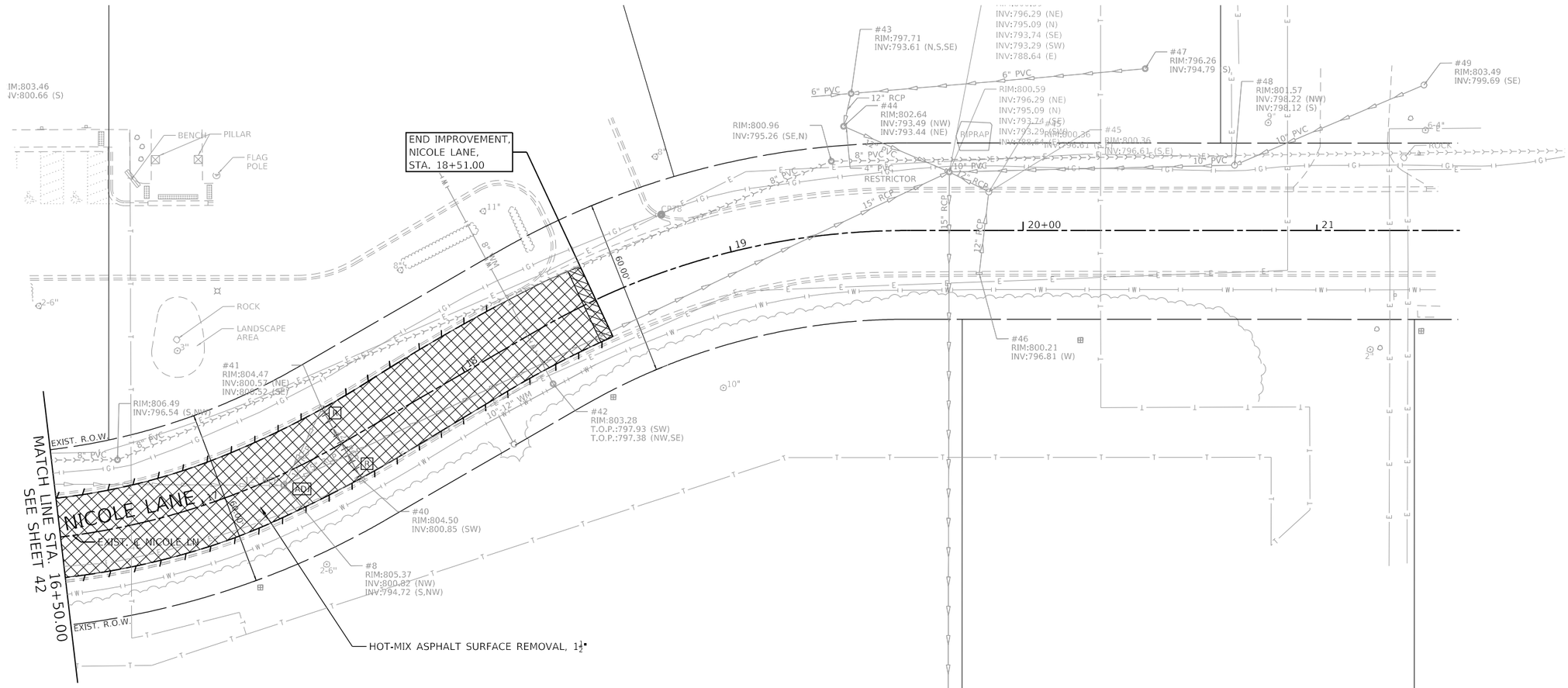
REMOVAL PLAN
NICOLE LANE

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. 9+50 TO STA. 14+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	47

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X — TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ — DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE REMOVAL

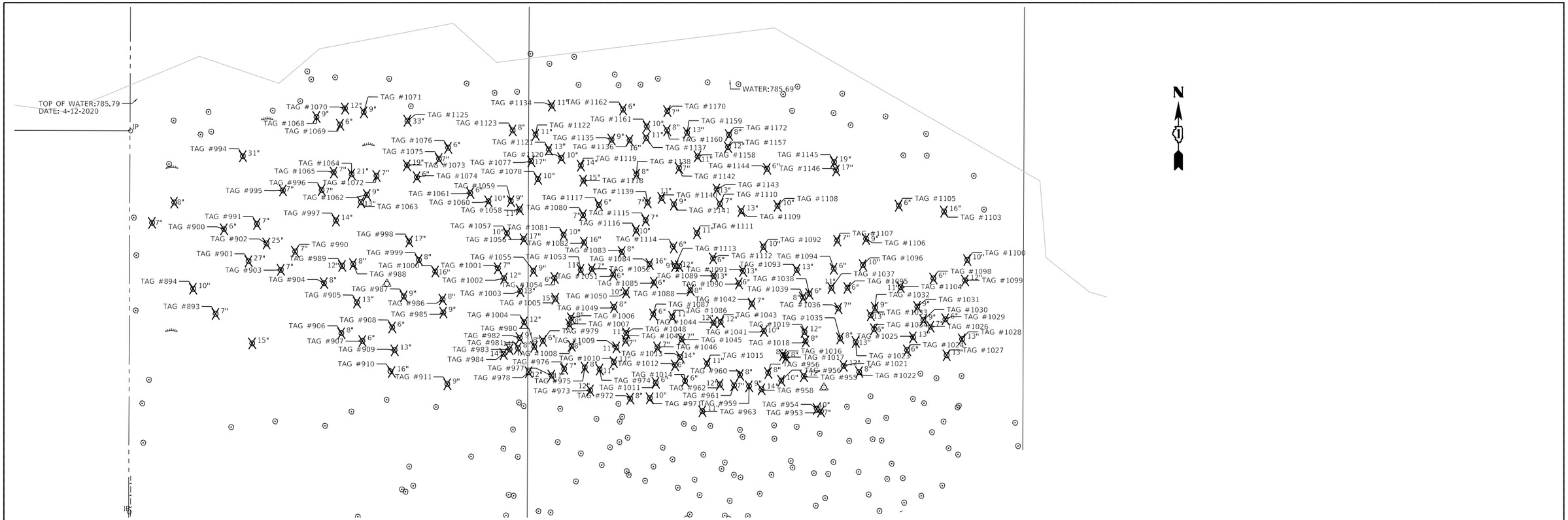
NOTES:

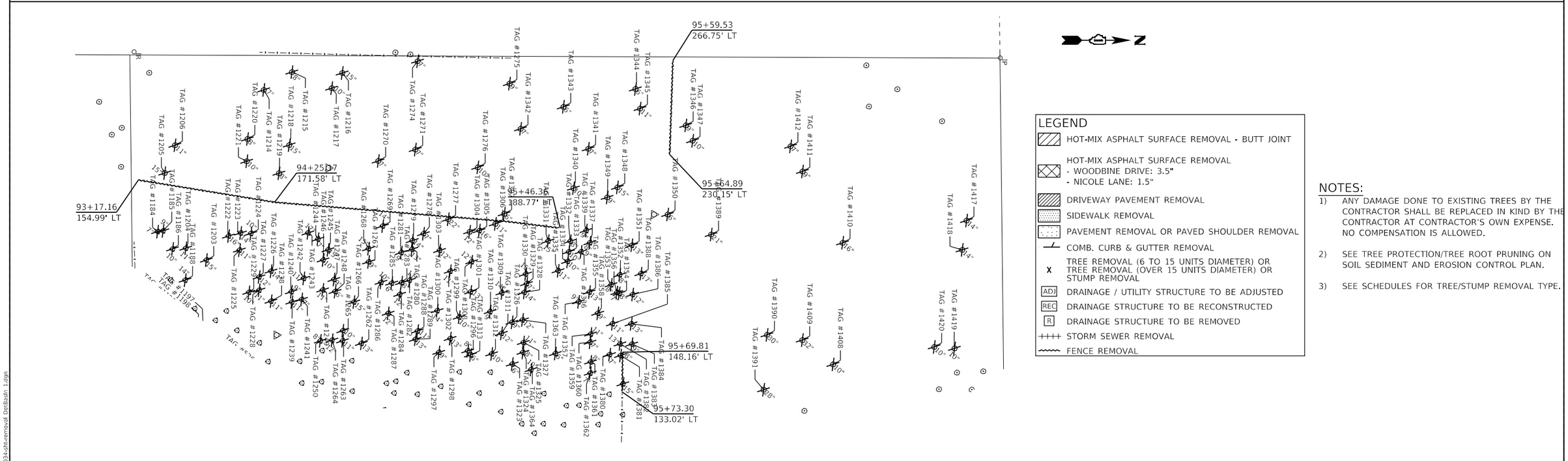
1) ANY DAMAGE DONE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT CONTRACTOR'S OWN EXPENSE. NO COMPENSATION IS ALLOWED.
2) SEE TREE PROTECTION/TREE ROOT PRUNING ON SOIL SEDIMENT AND EROSION CONTROL PLAN.
3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal-Nicole 2.dgn

FILE NAME = 4600-034-sht-removal-Nicole 2.dgn 4600.054 REMOVAL	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN NICOLE LANE			MUN RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - PJS	REVISED -					0050	17-00080-00-PV	LAKE	150 / 48
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -							CONTRACT NO. 61J86	
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -		SCALE: 1"=20'	SHEET 7 OF 8 SHEETS	STA. 16+50 TO STA. 21+41			ILLINOIS FED. AID PROJECT	





LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL
  - WOODBINE DRIVE: 3.5"
  - NICOLE LANE: 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL OR PAVED SHOULDER REMOVAL
- COMB. CURB & GUTTER REMOVAL
- X TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER) OR STUMP REMOVAL
- ADJ DRAINAGE / UTILITY STRUCTURE TO BE ADJUSTED
- REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- R DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL
- FENCE 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.

3) SEE SCHEDULES FOR TREE/STUMP REMOVAL TYPE.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: REMOVAL
FILE NAME: 4600-034-sht-removal DetBasin 1.dgn

FILE NAME = 4600-034-sht-removal DetBasin 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
REMOVAL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

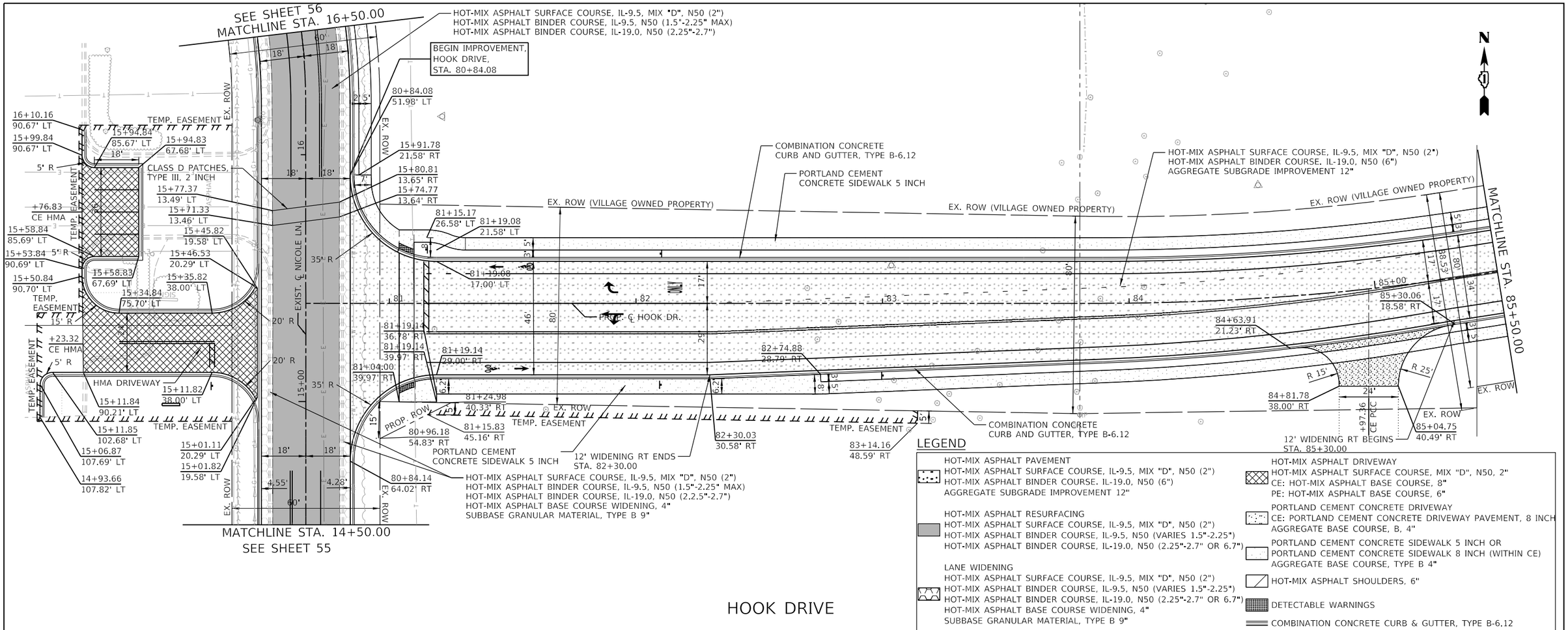
REMOVAL PLAN
DETENTION BASIN AREAS

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. | TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	49

CONTRACT NO. 61J86

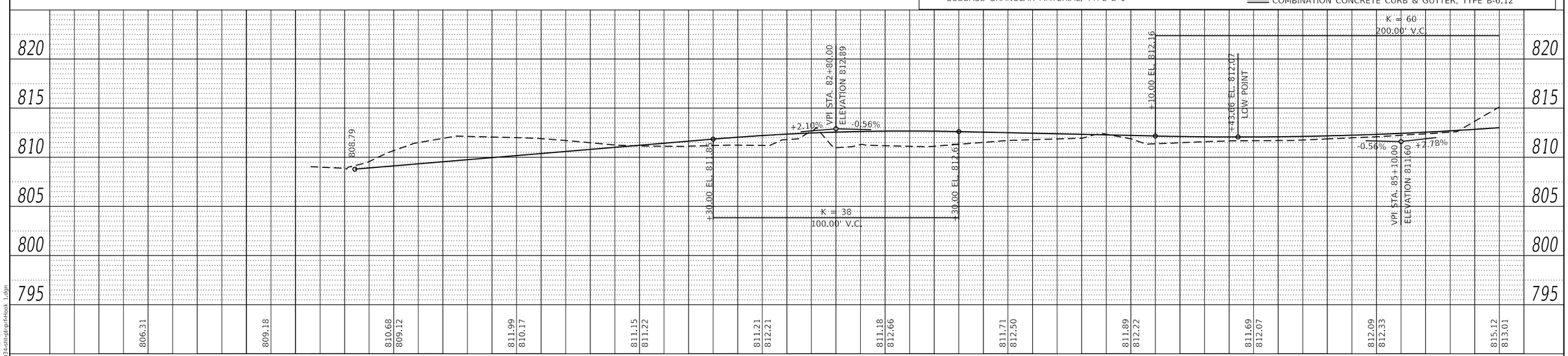
ILLINOIS | FED. AID PROJECT



LEGEND

- HOT-MIX ASPHALT PAVEMENT
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE. IL-19.0, N50 (6")
  AGGREGATE SUBGRADE IMPROVEMENT 12"
- HOT-MIX ASPHALT RESURFACING
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
- LANE WIDENING
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
  HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
  SUBBASE GRANULAR MATERIAL, TYPE B 9"
- HOT-MIX ASPHALT DRIVEWAY
  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
  CE: HOT-MIX ASPHALT BASE COURSE, 8"
  PE: HOT-MIX ASPHALT BASE COURSE, 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY
  CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  AGGREGATE BASE COURSE, B, 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
  AGGREGATE BASE COURSE, TYPE B 4"
- HOT-MIX ASPHALT SHOULDERS, 6"
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

HOOK DRIVE



FILE NAME = 4600-034-sht-plnprf-Hook 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
PLAN AND PROFILE	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
HOOK DRIVE

SCALE: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 81+34 TO STA. 85+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	50

CONTRACT NO. 61J86

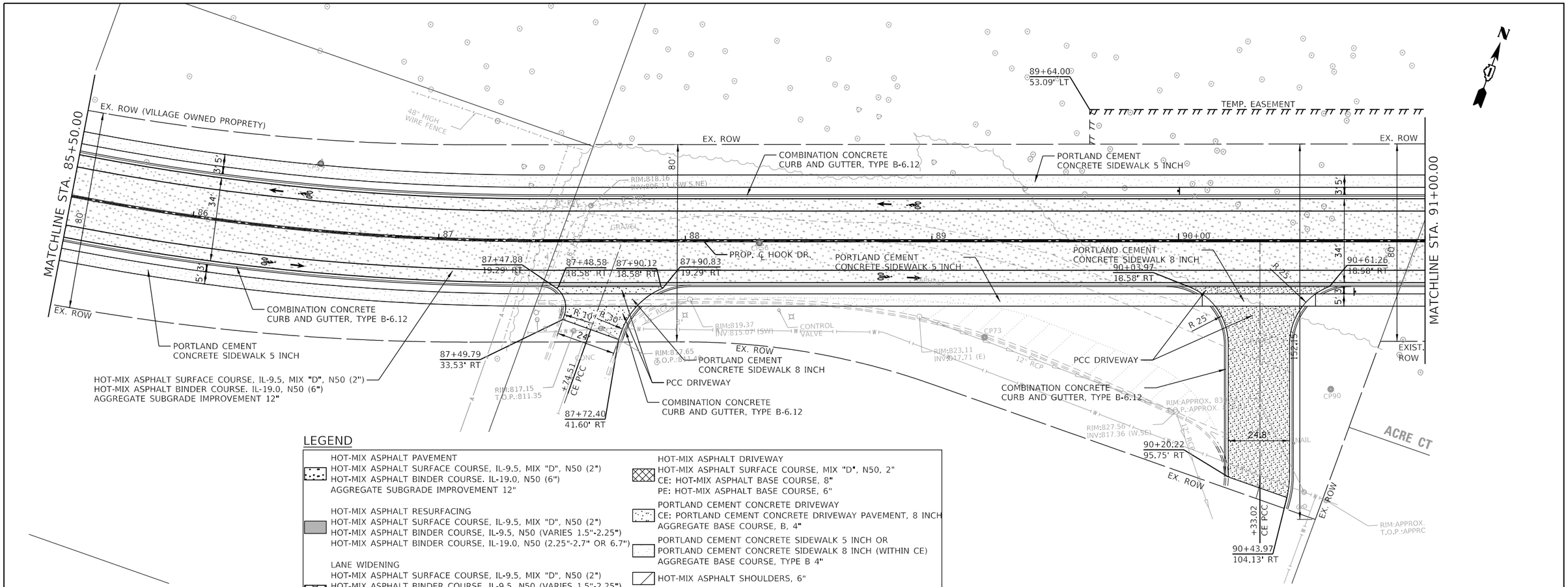
ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Hook 1.dgn

PLAN — NOTE BOOK NO.____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

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



LEGEND

HOT-MIX ASPHALT PAVEMENT
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE. IL-19.0, N50 (6")
AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT RESURFACING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")

LANE WIDENING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
SUBBASE GRANULAR MATERIAL, TYPE B 9"

HOT-MIX ASPHALT DRIVEWAY
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
CE: HOT-MIX ASPHALT BASE COURSE, 8"
PE: HOT-MIX ASPHALT BASE COURSE, 6"

PORTLAND CEMENT CONCRETE DRIVEWAY
CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
AGGREGATE BASE COURSE, B, 4"

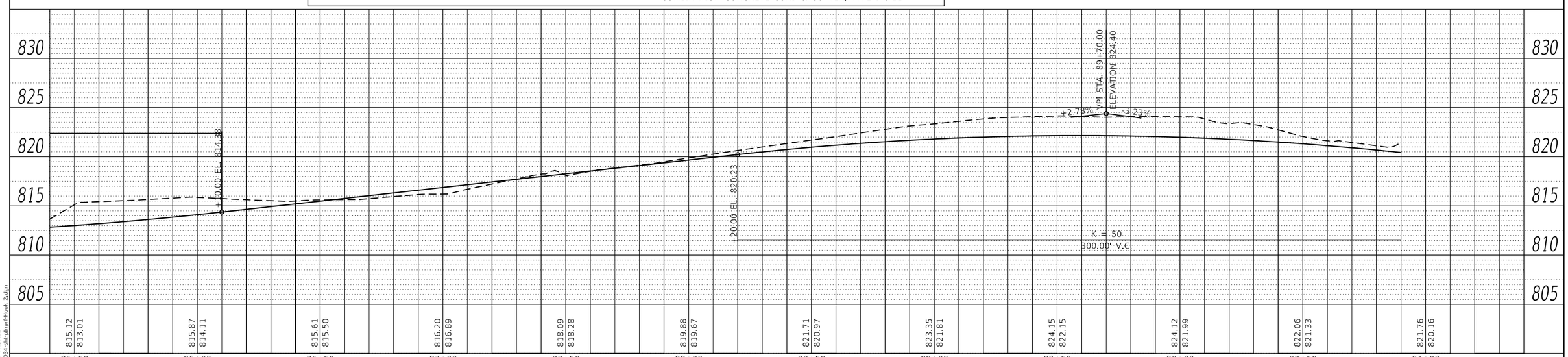
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR
PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
AGGREGATE BASE COURSE, TYPE B 4"

HOT-MIX ASPHALT SHOULDERS, 6"

DETECTABLE WARNINGS

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

HOOK DRIVE



FILE NAME = 4600-034-sht-plnprf-Hook 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
PLAN AND PROFILE	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
HOOK DRIVE

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 85+50 TO STA. 91+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	51

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Hook 2.dgn

LEGEND

HOT-MIX ASPHALT PAVEMENT
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (6")
AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT RESURFACING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
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LANE WIDENING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
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HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
SUBBASE GRANULAR MATERIAL, TYPE B 9"

HOT-MIX ASPHALT DRIVEWAY
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
CE: HOT-MIX ASPHALT BASE COURSE, 8"
PE: HOT-MIX ASPHALT BASE COURSE, 6"

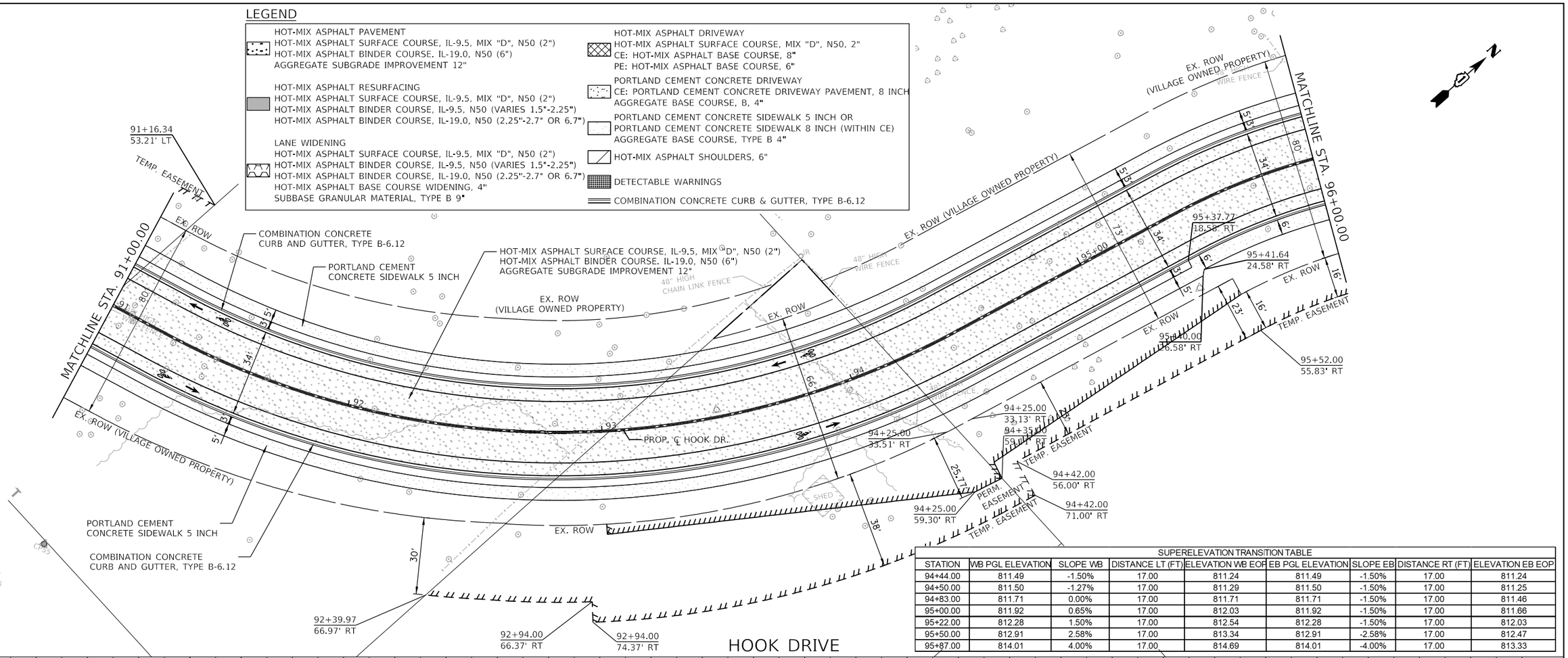
PORTLAND CEMENT CONCRETE DRIVEWAY
CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
AGGREGATE BASE COURSE, B, 4"

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR
PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
AGGREGATE BASE COURSE, TYPE B 4"

HOT-MIX ASPHALT SHOULDERS, 6"

DETECTABLE WARNINGS

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



SUPERELEVATION TRANSITION TABLE								
STATION	WB PGL ELEVATION	SLOPE WB	DISTANCE LT (FT)	ELEVATION WB EOP	EB PGL ELEVATION	SLOPE EB	DISTANCE RT (FT)	ELEVATION EB EOP
94+44.00	811.49	-1.50%	17.00	811.24	811.49	-1.50%	17.00	811.24
94+50.00	811.50	-1.27%	17.00	811.29	811.50	-1.50%	17.00	811.25
94+83.00	811.71	0.00%	17.00	811.71	811.71	-1.50%	17.00	811.46
95+00.00	811.92	0.65%	17.00	812.03	811.92	-1.50%	17.00	811.66
95+22.00	812.28	1.50%	17.00	812.54	812.28	-1.50%	17.00	812.03
95+50.00	812.91	2.58%	17.00	813.34	812.91	-2.58%	17.00	812.47
95+87.00	814.01	4.00%	17.00	814.69	814.01	-4.00%	17.00	813.33

FILE NAME = 4600-034-sht-plnprf-Hook 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
PLAN AND PROFILE	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
HOOK DRIVE

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 91+00 TO STA. 96+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	52

CONTRACT NO. 61J86
ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Hook 3.dgn

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK NO.; BY; DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD; NOTE BOOK NO.; BY; DATE

LEGEND

HOT-MIX ASPHALT PAVEMENT
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (6")
AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT RESURFACING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
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LANE WIDENING
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
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HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
SUBBASE GRANULAR MATERIAL, TYPE B 9"

HOT-MIX ASPHALT DRIVEWAY
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
CE: HOT-MIX ASPHALT BASE COURSE, 8"
PE: HOT-MIX ASPHALT BASE COURSE, 6"

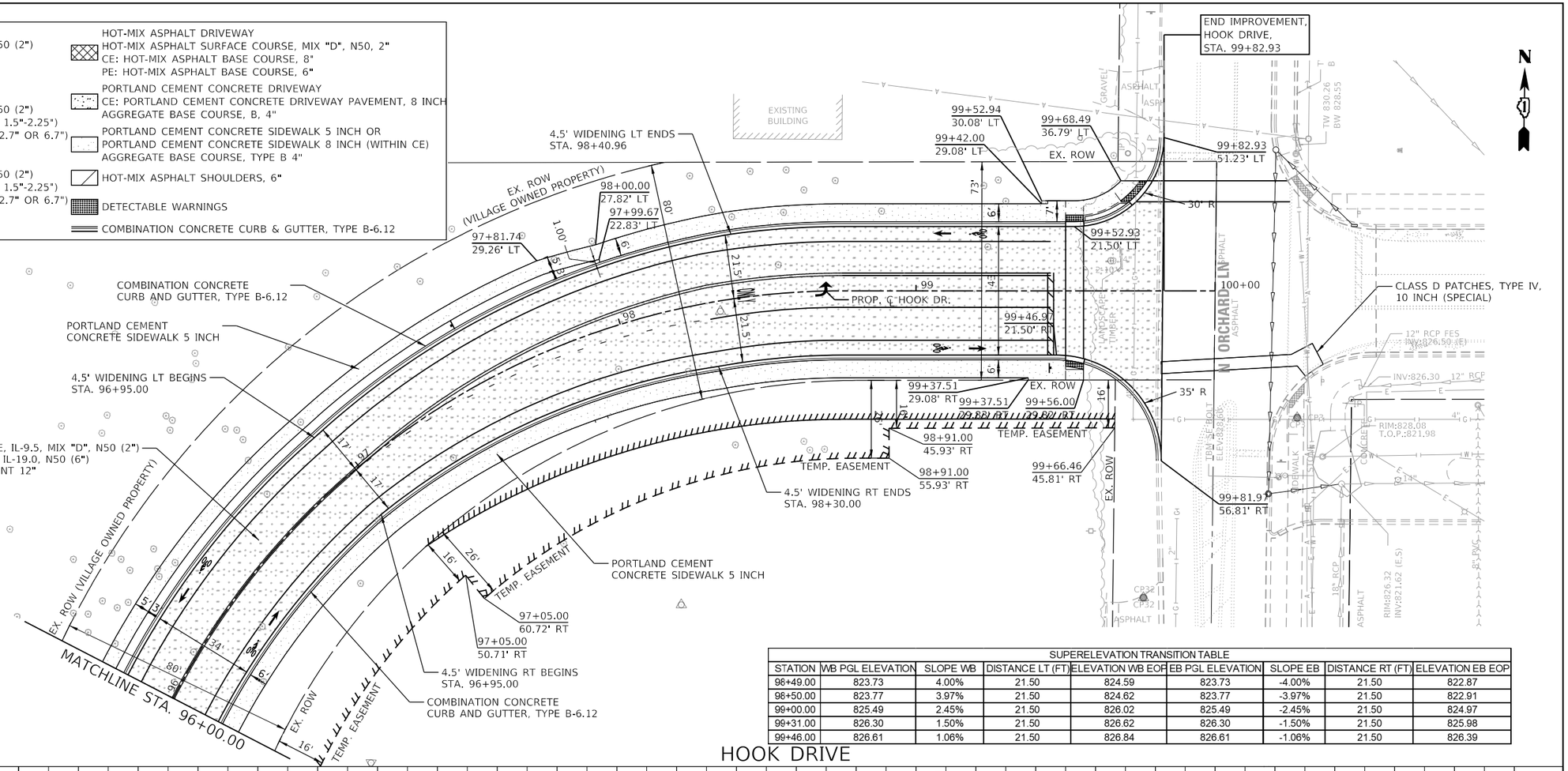
PORTLAND CEMENT CONCRETE DRIVEWAY
CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
AGGREGATE BASE COURSE, B, 4"

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR
PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
AGGREGATE BASE COURSE, TYPE B 4"

HOT-MIX ASPHALT SHOULDERS, 6"

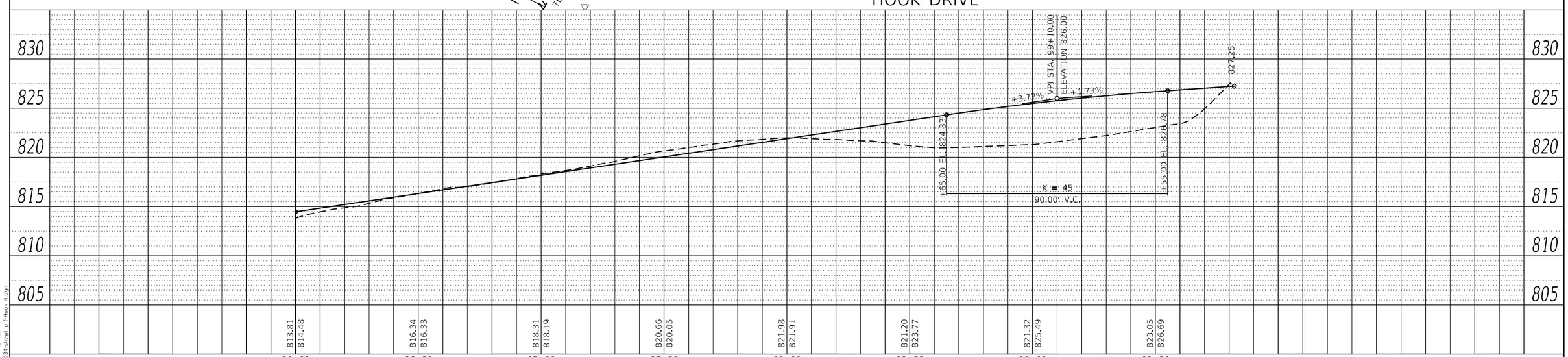
DETECTABLE WARNINGS

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



SUPERELEVATION TRANSITION TABLE								
STATION	WB PGL ELEVATION	SLOPE WB	DISTANCE LT (FT)	ELEVATION WB EOP	EB PGL ELEVATION	SLOPE EB	DISTANCE RT (FT)	ELEVATION EB EOP
98+49.00	823.73	4.00%	21.50	824.59	823.73	-4.00%	21.50	822.87
98+50.00	823.77	3.97%	21.50	824.62	823.77	-3.97%	21.50	822.91
99+00.00	825.49	2.45%	21.50	826.02	825.49	-2.45%	21.50	824.97
99+31.00	826.30	1.50%	21.50	826.62	826.30	-1.50%	21.50	825.98
99+46.00	826.61	1.06%	21.50	826.84	826.61	-1.06%	21.50	826.39

HOOK DRIVE



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Hook 4.dgn

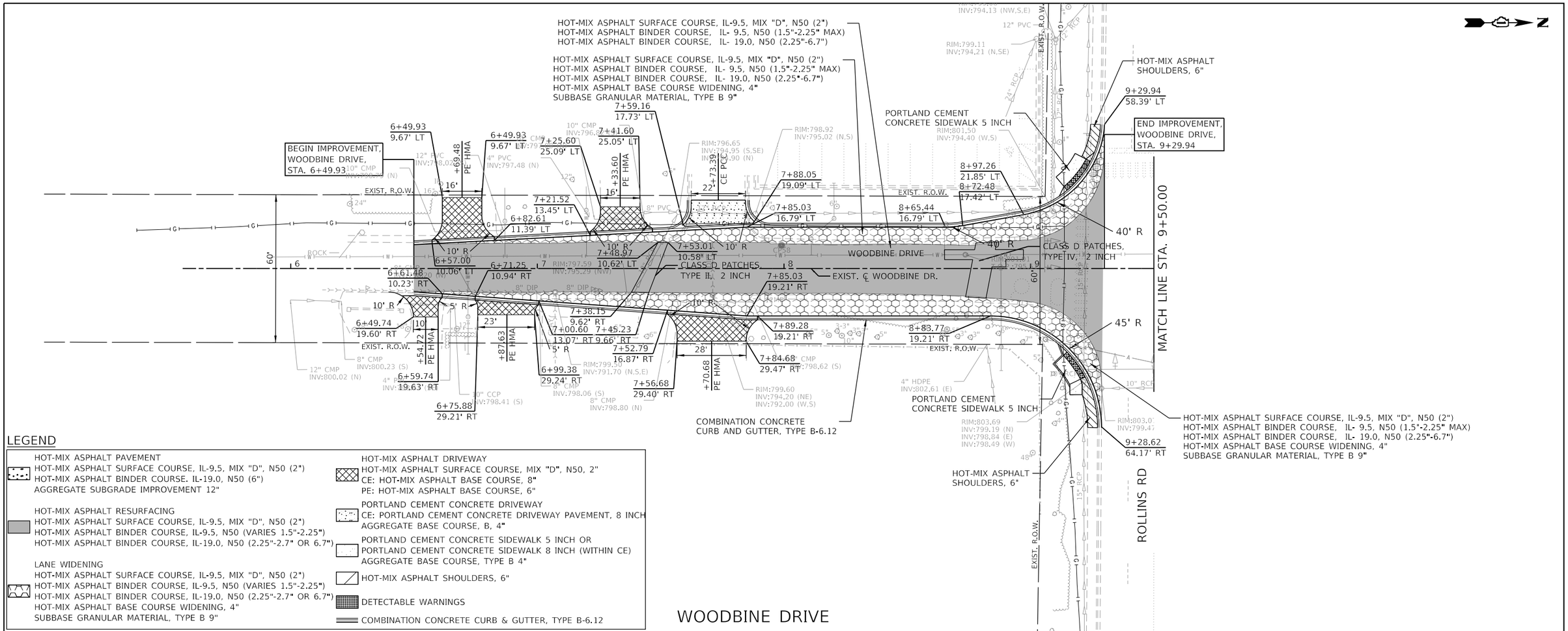
FILE NAME = 4600-034-sht-plnprf-Hook 4.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
PLAN AND PROFILE	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
HOOK DRIVE

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 96+00 TO STA. 100+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	53
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- HOT-MIX ASPHALT PAVEMENT
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE. IL-19.0, N50 (6")
  AGGREGATE SUBGRADE IMPROVEMENT 12"
- HOT-MIX ASPHALT RESURFACING
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
- LANE WIDENING
  HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2.25"-2.7" OR 6.7")
  HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
  SUBBASE GRANULAR MATERIAL, TYPE B 9"
- HOT-MIX ASPHALT DRIVEWAY
  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
  CE: HOT-MIX ASPHALT BASE COURSE, 8"
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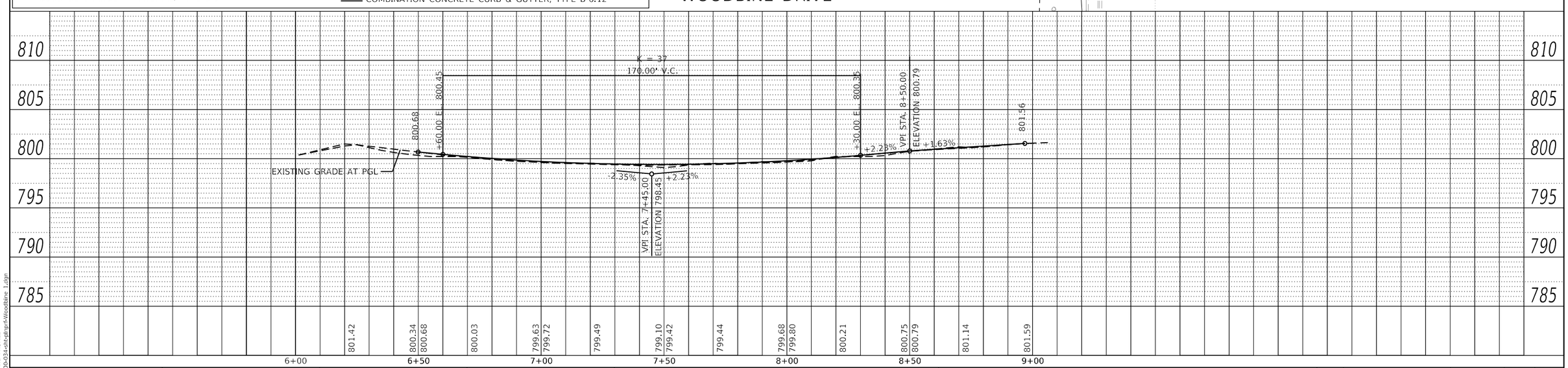
- PORTLAND CEMENT CONCRETE DRIVEWAY
  CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  AGGREGATE BASE COURSE, B, 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR
  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
  AGGREGATE BASE COURSE, TYPE B 4"
- HOT-MIX ASPHALT SHOULDERS, 6"
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

WOODBINE DRIVE



FILE NAME = 4600-034-sht-plnprf-Woodbine 1.dgn 4600.054 PLAN AND PROFILE	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
WOODBINE DRIVE

SCALE: 1"=20' | SHEET 5 OF 7 SHEETS | STA. 6+50 TO STA. 9+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	54

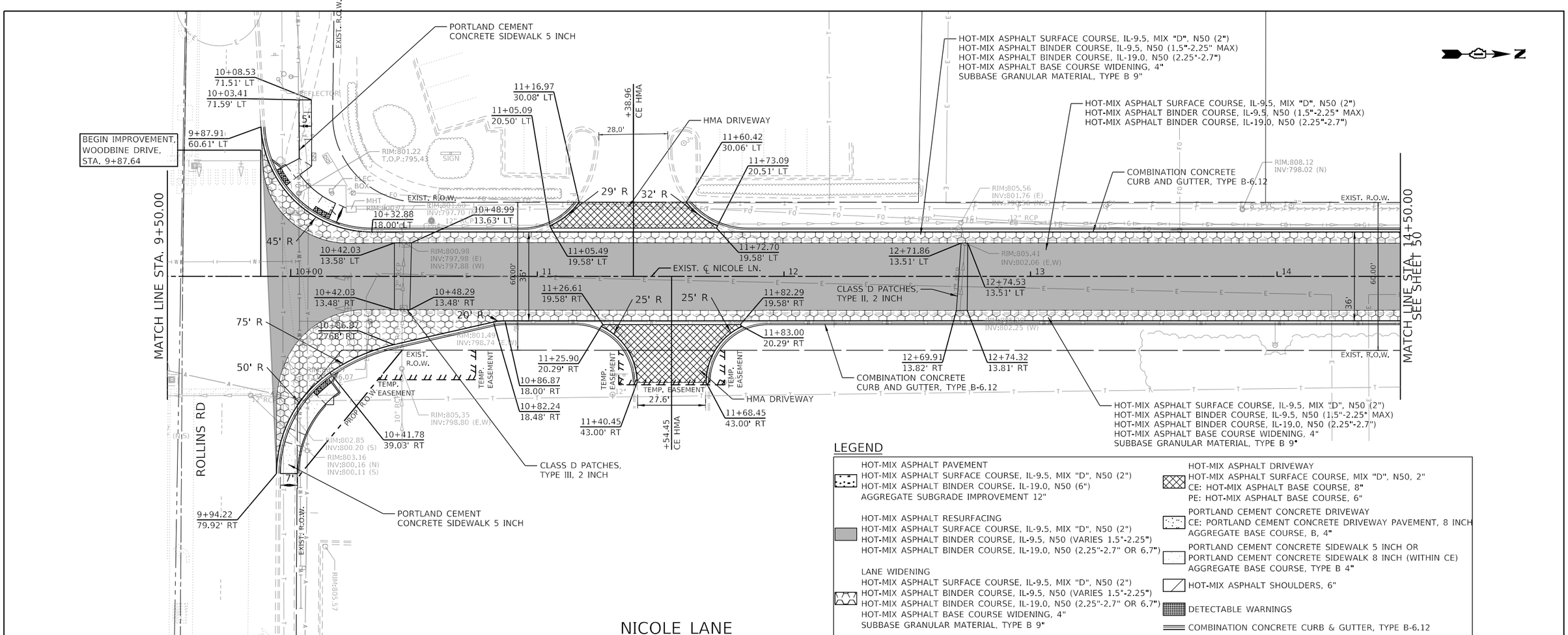
CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Woodbine 1.dgn

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE



LEGEND

- HOT-MIX ASPHALT PAVEMENT
  - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (6")
  - AGGREGATE SUBGRADE IMPROVEMENT 12"
- HOT-MIX ASPHALT RESURFACING
  - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (2")
  - HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (VARIES 1.5"-2.25")
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  - HOT-MIX ASPHALT BASE COURSE WIDENING, 4"
  - SUBBASE GRANULAR MATERIAL, TYPE B 9"
- HOT-MIX ASPHALT DRIVEWAY
  - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
  - CE: HOT-MIX ASPHALT BASE COURSE, 8"
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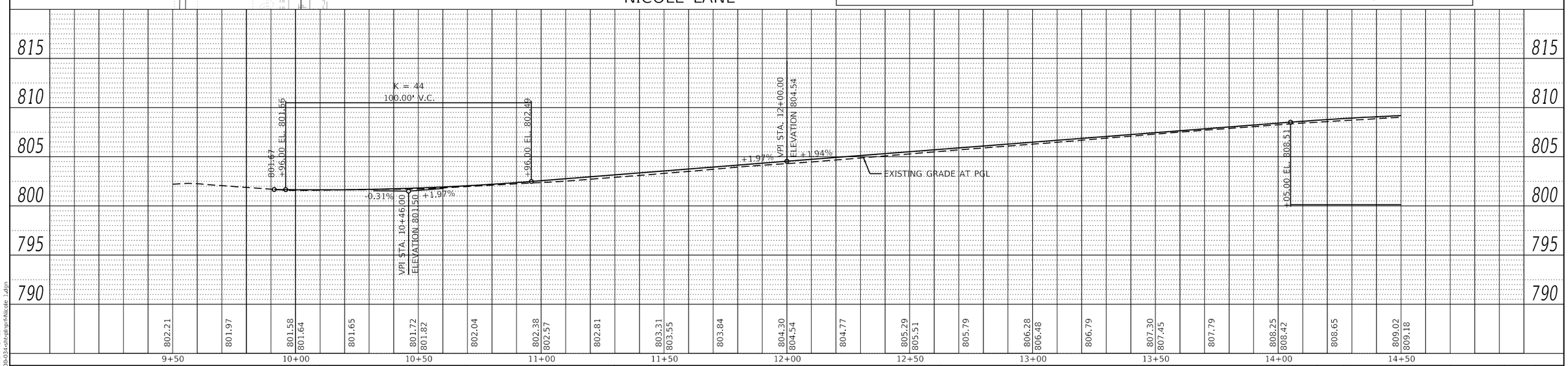
- PORTLAND CEMENT CONCRETE DRIVEWAY
  - CE: PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
  - AGGREGATE BASE COURSE, B, 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (WITHIN CE)
  - AGGREGATE BASE COURSE, TYPE B 4"
- HOT-MIX ASPHALT SHOULDERS, 6"
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



FILE NAME = 4600-034-sht-plnprf-Nicole 1.dgn 4600.054 PLAN AND PROFILE	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
NICOLE LANE

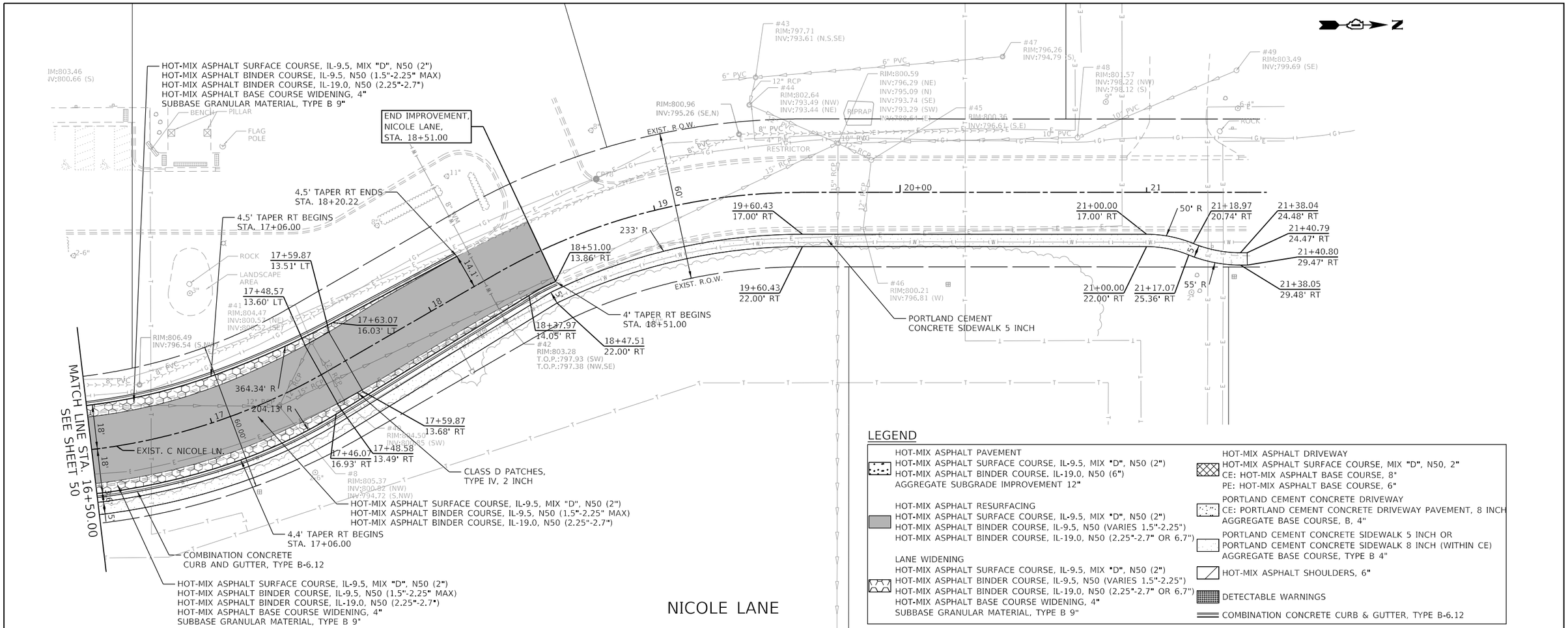
SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 9+50 TO STA. 14+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	55
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Nicole 1.dgn

PLAN — NOTE BOOK NO.____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF W/AY CHECKED / CADD FILE NAME — BY — DATE

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



FILE NAME =	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600-034-sht-plnprf-Nicole 2.dgn		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
PLAN AND PROFILE	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
NICOLE LANE

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 16+50 TO STA. 21+41

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	56

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PLAN AND PROFILE
FILE NAME: 4600-034-sht-plnprf-Nicole 2.dgn

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

A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES HALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

LAKE COUNTY

STORMWATER MANAGEMENT COMMISSION
TYPICAL CONSTRUCTION SEQUENCING

1.) INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
B.) SILT FENCE INSTALLATION
C.) CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
D.) STABILIZED CONSTRUCTION ENTRANCE

2.) TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)

3.) CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS ...)

4.) CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER

5.) STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE

6.) TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)

7.) INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION

8.) PERMANENTLY STABILIZE DETENTION BASINS WITH SEED AND EROSION CONTROL BLANKET

9.) TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE

10.) INSTALL ROADWAYS

11.) PERMANENTLY STABILIZE ALL OUTLOT AREAS

12.) INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS

13.) PERMANENTLY STABILIZE LOTS

14.) REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY ½ OR GREATER RAINFALL EVENT

EROSION CONTROL NOTES

1. AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.

2. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.

3. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.

4. ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.

5. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.

6. THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.

7. THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.

8. THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.

9. ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.

10. ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL. IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.

11. PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.

12. CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.

13. PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.

14. WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.

688.00'
N89°19'59"E

EXISTING BUILDING

FOUNDATION

48" HIGH WIRE FENCE

GRAVEL

ACRE CT

RIM:825.75

LEGEND

- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 1A
- NITROGEN FERTILIZER NUTRIENT
- POTASSIUM FERTILIZER NUTRIENT
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TREE TRUNK PROTECTION

GEWALT HAMILTON ASSOCIATES, INC.

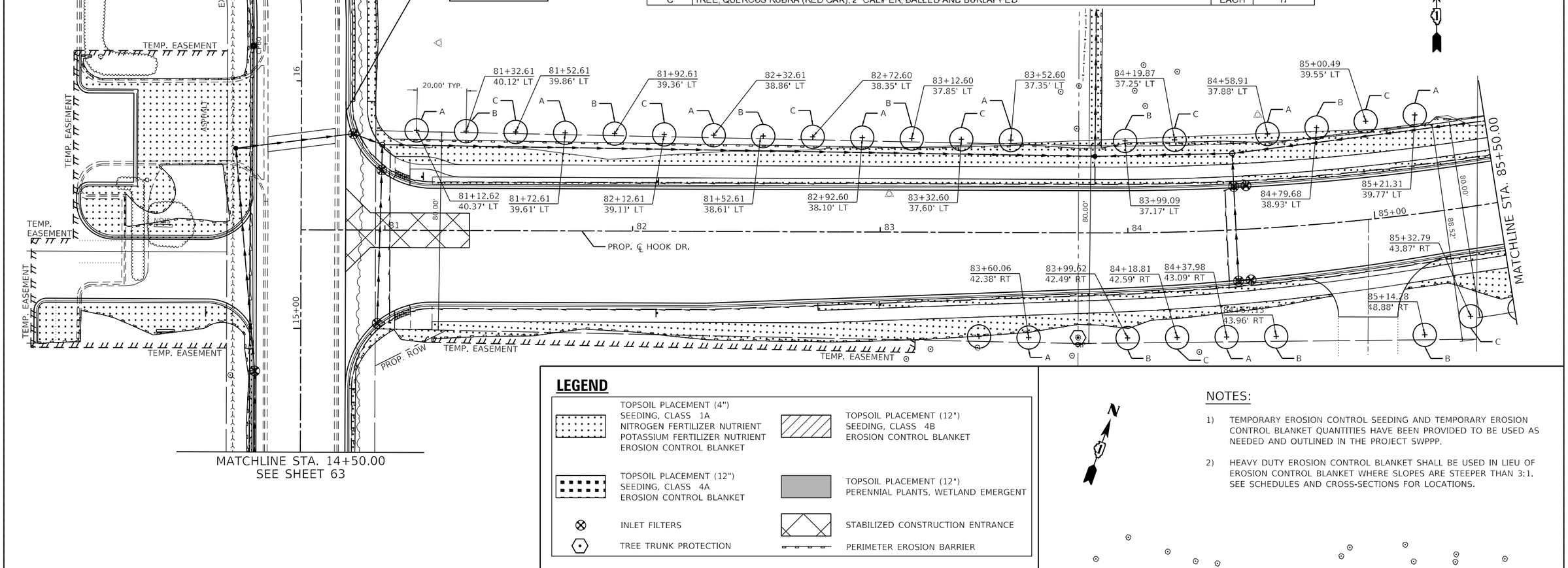
MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-DetBasin Key Map.dgn

FILE NAME = 4600-034-sht-ESC-DetBasin Key Map.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
4600.054		DRAWN - PJS	REVISED -		HOOK DRIVE OVERALL VIEW
EROSION CONTROL	PLOT SCALE = 1:100	CHECKED - MJV	REVISED -		SCALE: 1"=50' SHEET 1 OF 7 SHEETS STA. 81+00 TO STA. 100+00
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -		

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	58
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

TREE SPECIES SCHEDULE

CALLOUT	SPECIES OF TREE	UNIT	TOTAL QUANTITY
A	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	18
B	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	17
C	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	17



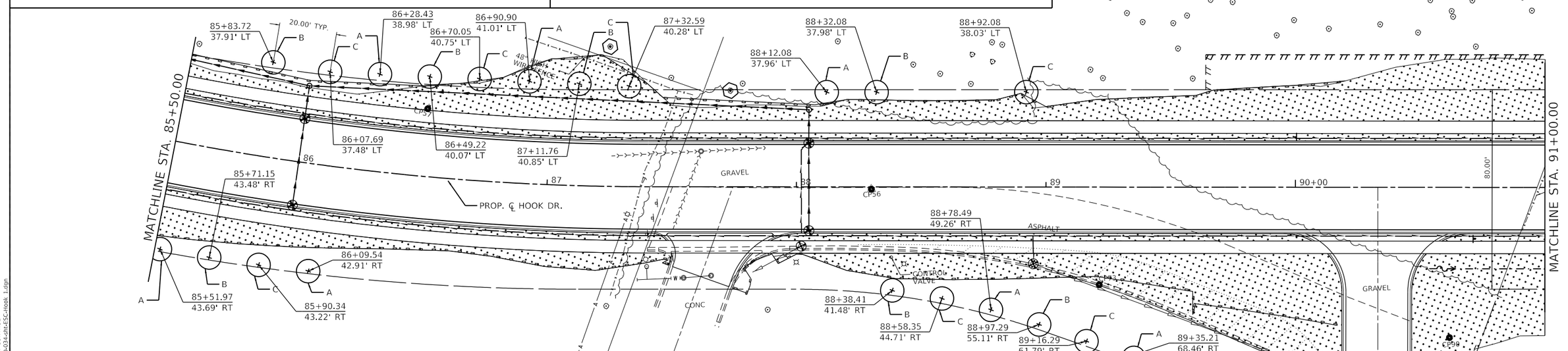
LEGEND

- TOPSOIL PLACEMENT (4") SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") SEEDING, CLASS 4B EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") SEEDING, CLASS 4A EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") PERENNIAL PLANTS, WETLAND EMERGENT
- INLET FILTERS
- STABILIZED CONSTRUCTION ENTRANCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

NOTES:

1) TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET QUANTITIES HAVE BEEN PROVIDED TO BE USED AS NEEDED AND OUTLINED IN THE PROJECT SWPPP.

2) HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED IN LIEU OF EROSION CONTROL BLANKET WHERE SLOPES ARE STEEPER THAN 3:1. SEE SCHEDULES AND CROSS-SECTIONS FOR LOCATIONS.



GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-Hook 1.dgn

FILE NAME = 4600-034-sht-ESC-Hook 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
EROSION CONTROL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 81+34 TO STA. 91+00

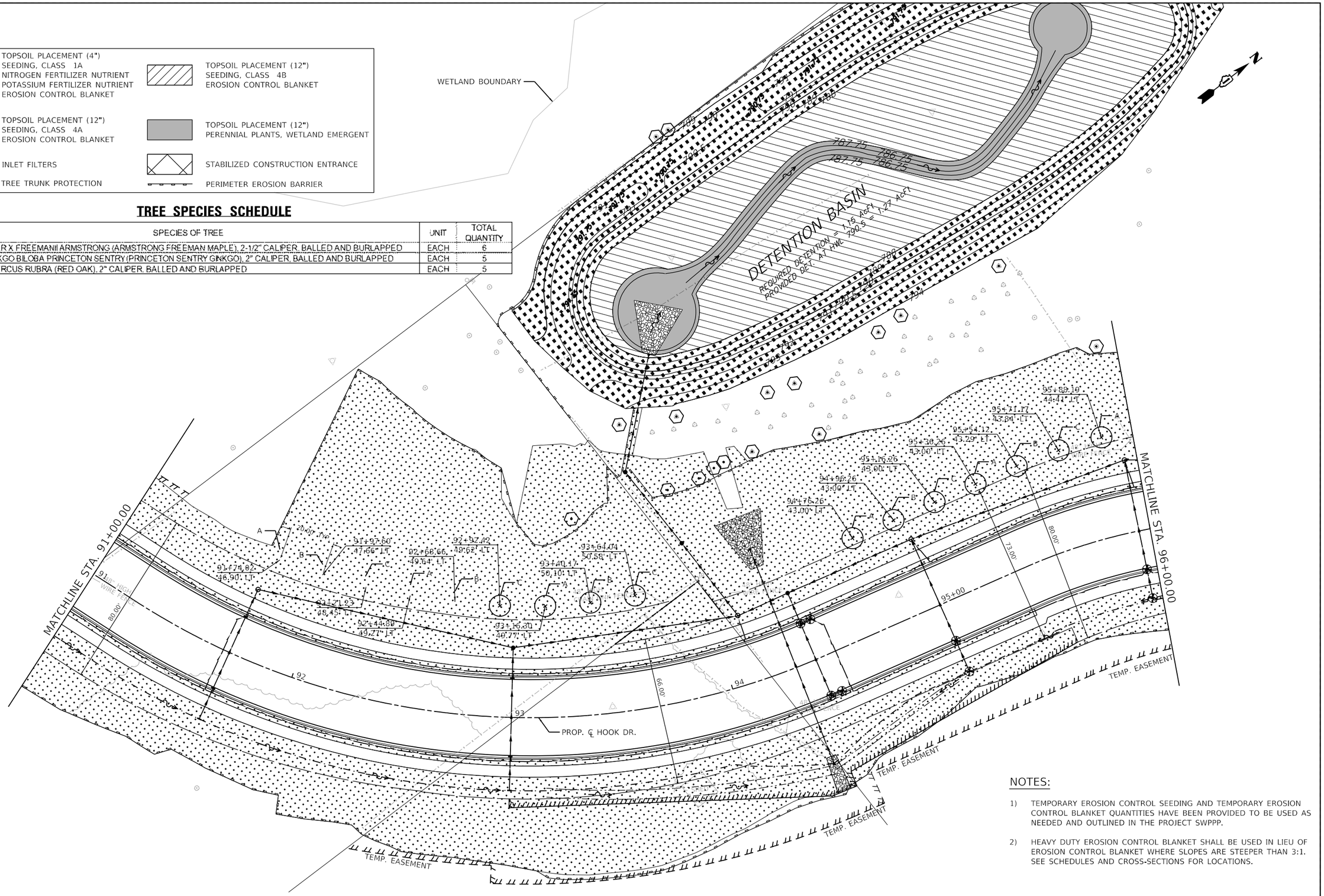
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	59
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

LEGEND

- TOPSOIL PLACEMENT (4")
  SEEDING, CLASS 1A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4B
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4A
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  PERENNIAL PLANTS, WETLAND EMERGENT
- INLET FILTERS
- STABILIZED CONSTRUCTION ENTRANCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

TREE SPECIES SCHEDULE

CALLOUT	SPECIES OF TREE	UNIT	TOTAL QUANTITY
A	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6
B	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	5
C	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5



NOTES:

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2) HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED IN LIEU OF EROSION CONTROL BLANKET WHERE SLOPES ARE STEEPER THAN 3:1. SEE SCHEDULES AND CROSS-SECTIONS FOR LOCATIONS.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-Hook 2.dgn

FILE NAME = 4600-034-sht-ESC-Hook 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
EROSION CONTROL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 91+00 TO STA. 96+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	60

CONTRACT NO. 61J86

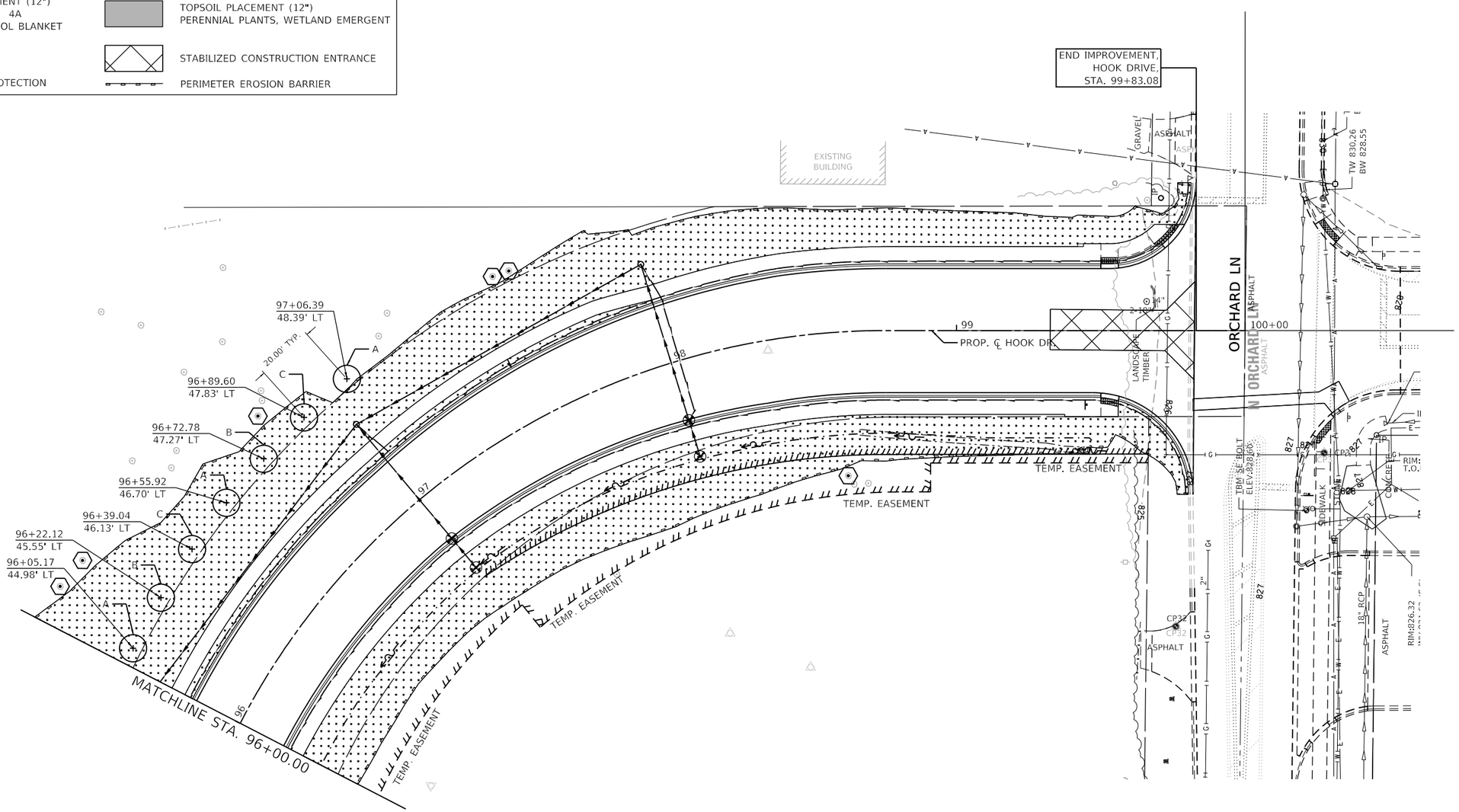
ILLINOIS | FED. AID PROJECT

LEGEND

- TOPSOIL PLACEMENT (4")
  SEEDING, CLASS 1A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4B
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4A
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  PERENNIAL PLANTS, WETLAND EMERGENT
- INLET FILTERS
- STABILIZED CONSTRUCTION ENTRANCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

TREE SPECIES SCHEDULE

CALLOUT	SPECIES OF TREE	UNIT	TOTAL QUANTITY
A	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3
B	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	2
C	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2



NOTES:

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2) HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED IN LIEU OF EROSION CONTROL BLANKET WHERE SLOPES ARE STEEPER THAN 3:1. SEE SCHEDULES AND CROSS-SECTIONS FOR LOCATIONS.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-Hook 3.dgn

FILE NAME = 4600-034-sht-ESC-Hook 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
EROSION CONTROL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 96+00 TO STA. 100+00

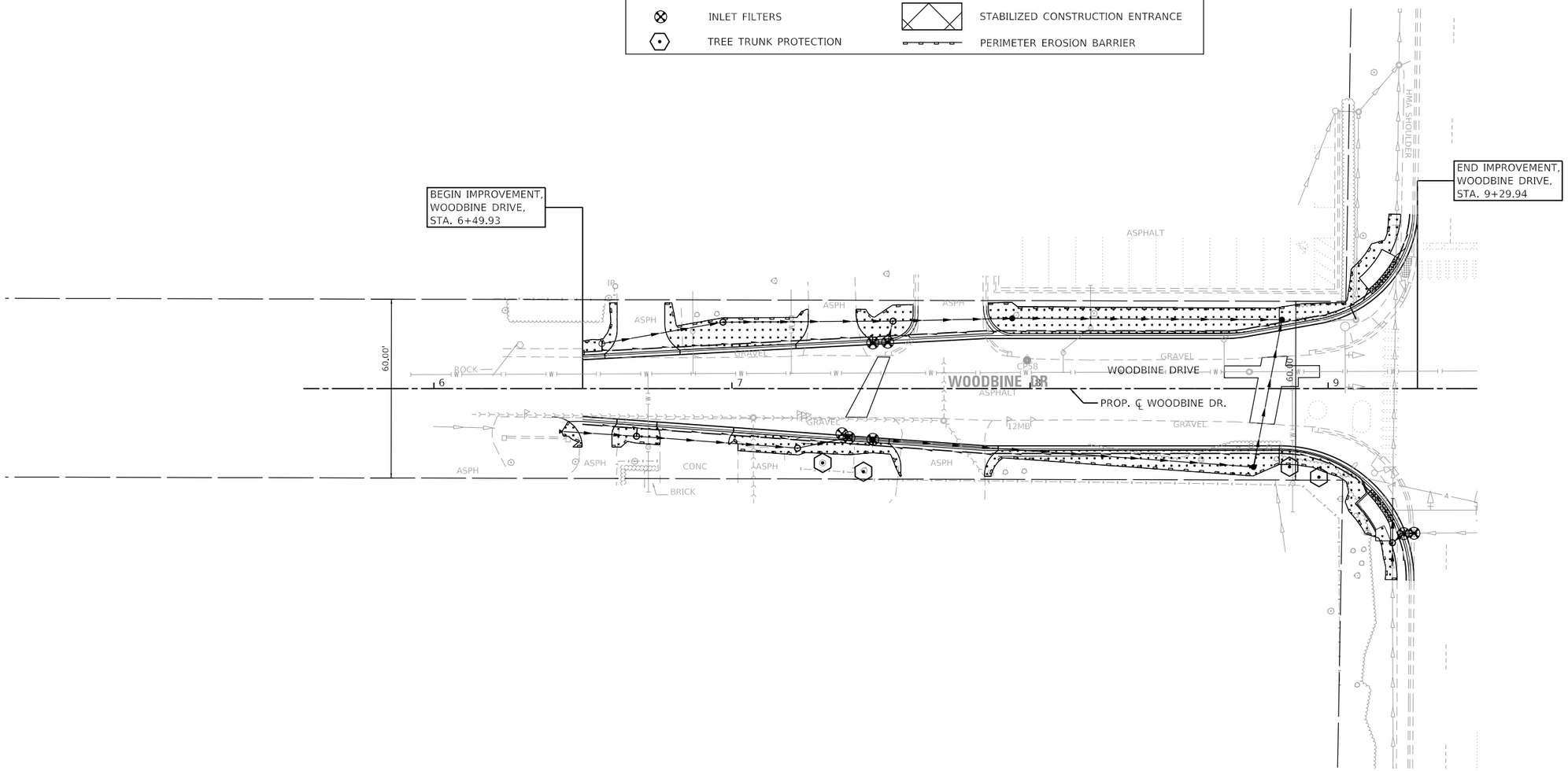
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	61

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

LEGEND

TOPSOIL PLACEMENT (4") SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET	TOPSOIL PLACEMENT (12") SEEDING, CLASS 4B EROSION CONTROL BLANKET
TOPSOIL PLACEMENT (12") SEEDING, CLASS 4A EROSION CONTROL BLANKET	TOPSOIL PLACEMENT (12") PERENNIAL PLANTS, WETLAND EMERGENT
INLET FILTERS	STABILIZED CONSTRUCTION ENTRANCE
TREE TRUNK PROTECTION	PERIMETER EROSION BARRIER



GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
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		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
EROSION CONTROL	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

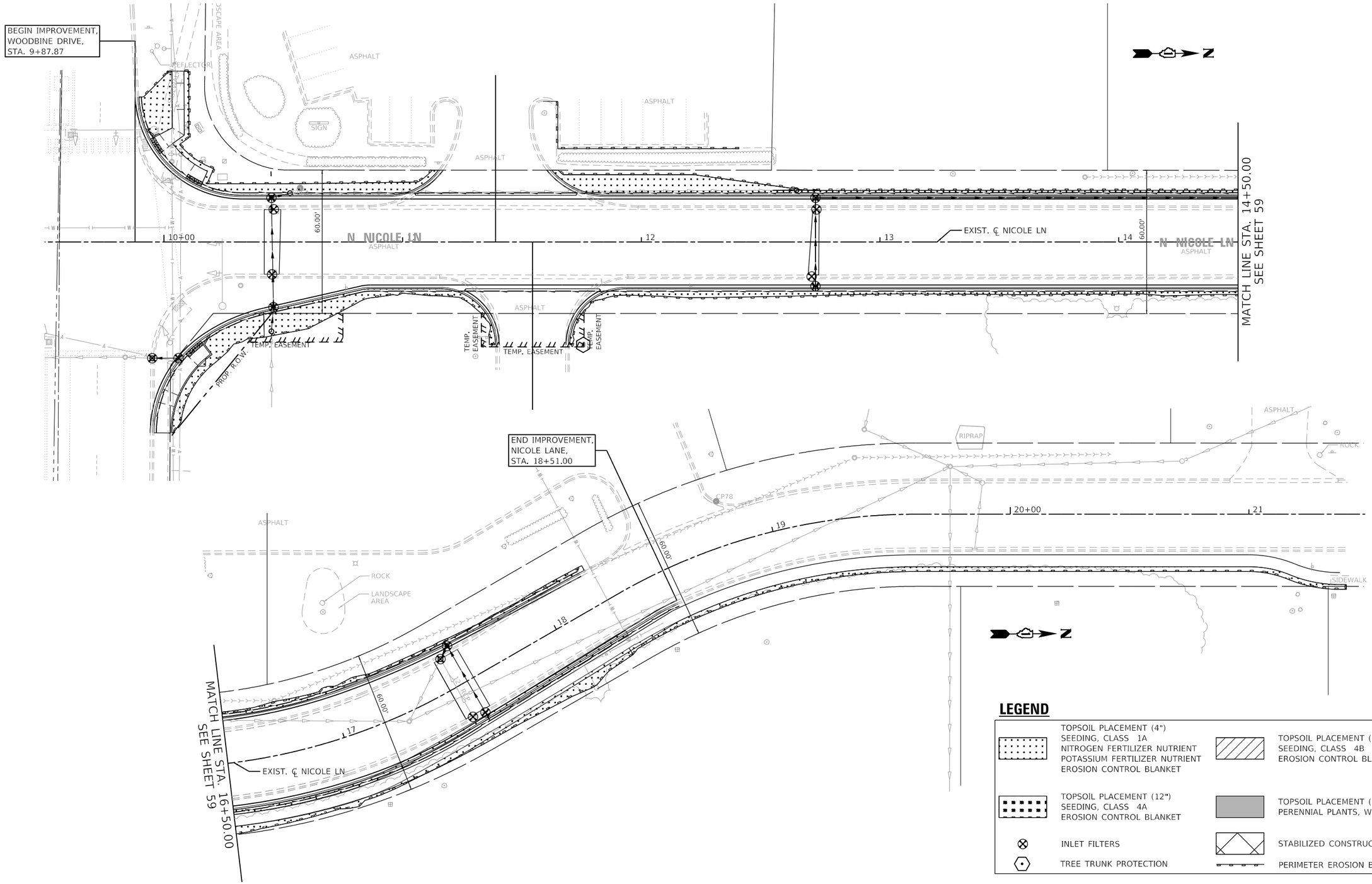
LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
WOODBINE DRIVE

SCALE: 1"=20' | SHEET 5 OF 7 SHEETS | STA. 6+50 TO STA. 9+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	62

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



LEGEND

- TOPSOIL PLACEMENT (4")
  SEEDING, CLASS 1A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4B
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  SEEDING, CLASS 4A
  EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12")
  PERENNIAL PLANTS, WETLAND EMERGENT
- INLET FILTERS
- STABILIZED CONSTRUCTION ENTRANCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-Nicole 1.dgn

FILE NAME = 4600-034-sht-ESC-Nicole 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

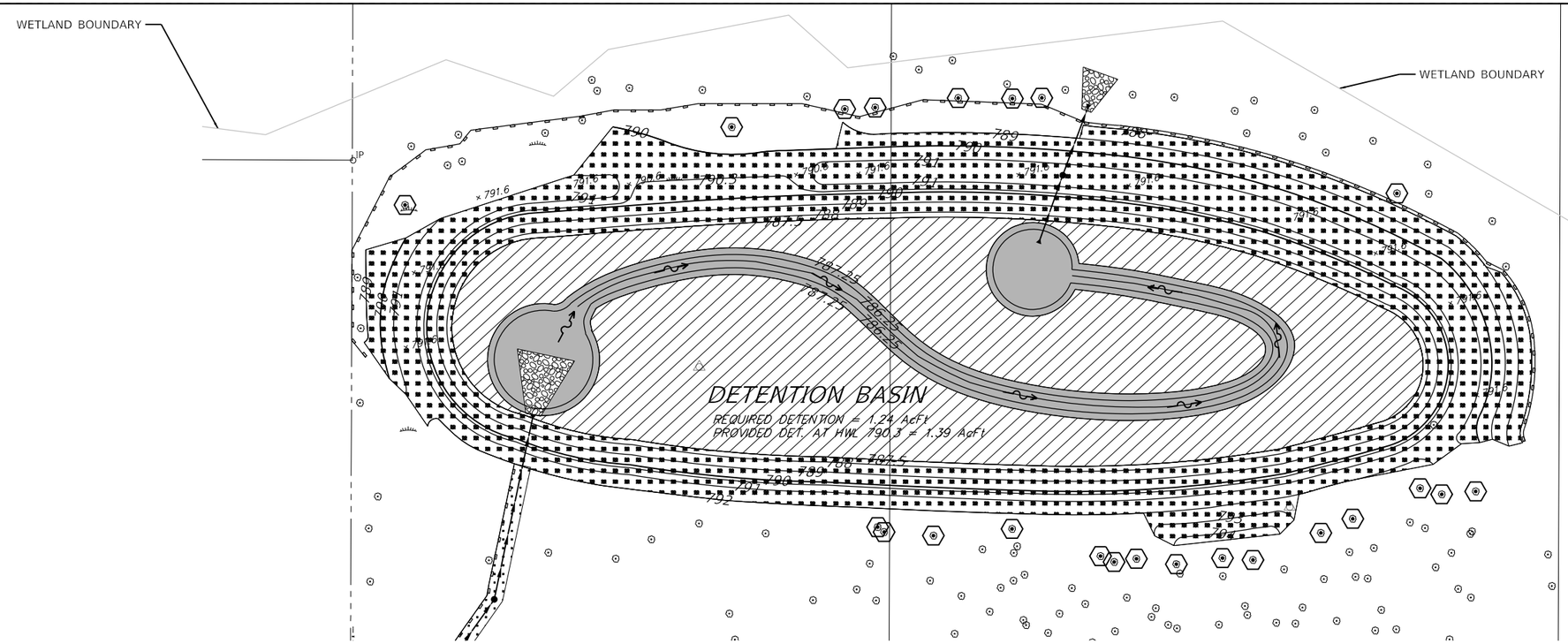
LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
NICOLE LANE

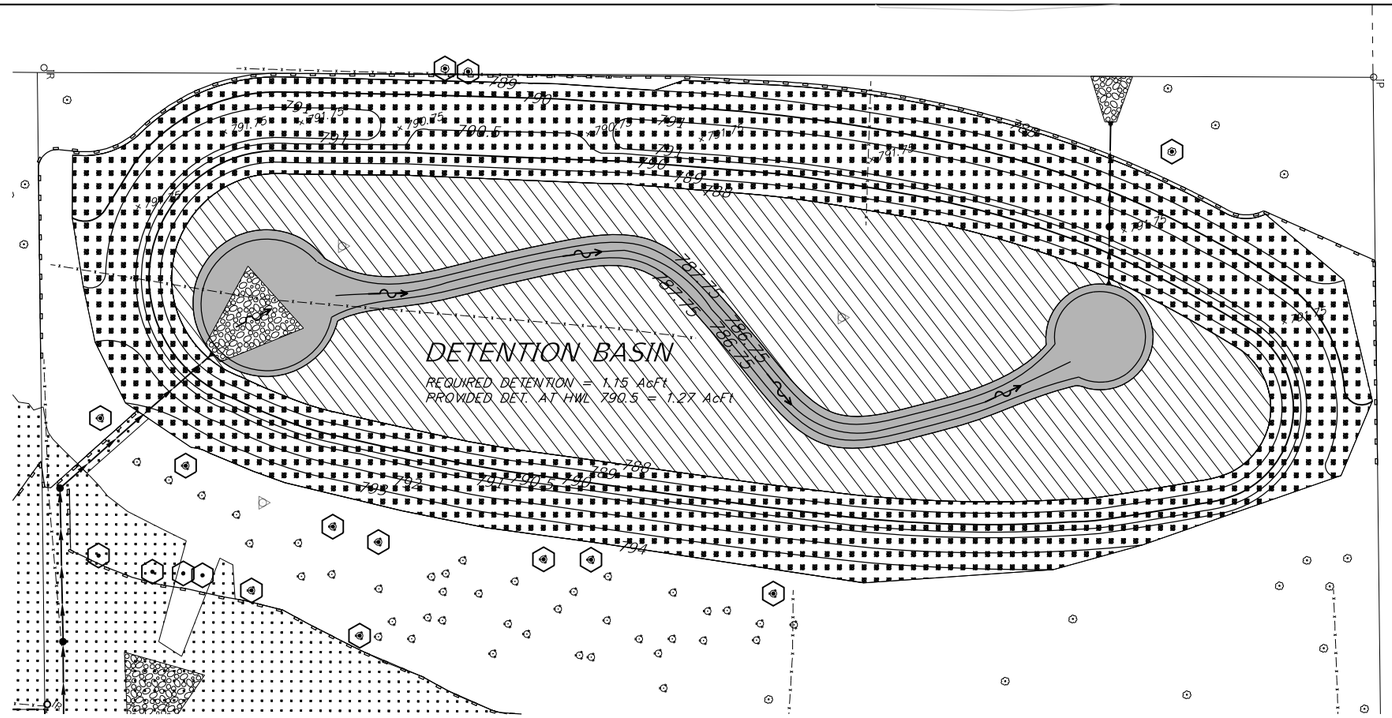
SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 9+50 TO STA. 21+41

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	63

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT





LEGEND

- TOPSOIL PLACEMENT (4") SEEDING, CLASS 1A NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") SEEDING, CLASS 4B EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") SEEDING, CLASS 4A EROSION CONTROL BLANKET
- TOPSOIL PLACEMENT (12") PERENNIAL PLANTS, WETLAND EMERGENT
- INLET FILTERS
- STABILIZED CONSTRUCTION ENTRANCE
- TREE TRUNK PROTECTION
- PERIMETER EROSION BARRIER

N

NOTES:

1) TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET QUANTITIES HAVE BEEN PROVIDED TO BE USED AS NEEDED AND OUTLINED IN THE PROJECT SWPPP.

2) HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED IN LIEU OF EROSION CONTROL BLANKET WHERE SLOPES ARE STEEPER THAN 3:1. SEE SCHEDULES AND CROSS-SECTIONS FOR LOCATIONS.

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: EROSION CONTROL
FILE NAME: 4600-034-sht-ESC-DetBasin 1.dgn

FILE NAME = 4600-034-sht-ESC-DetBasin 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
EROSION CONTROL	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING, SOIL EROSION AND SEDIMENT CONTROL PLAN
DETENTION BASIN AREAS

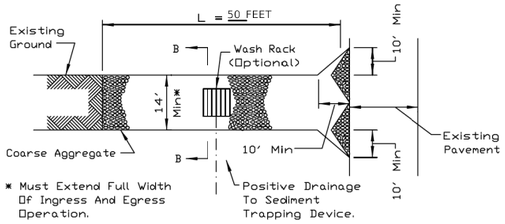
SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	64

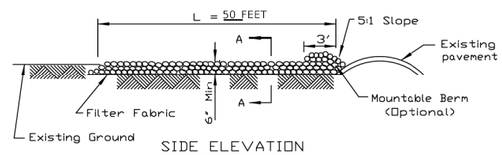
CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



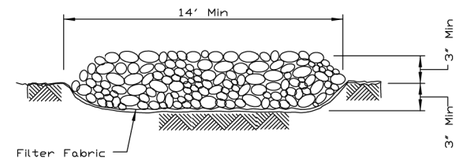
SIDE ELEVATION

NOTES:

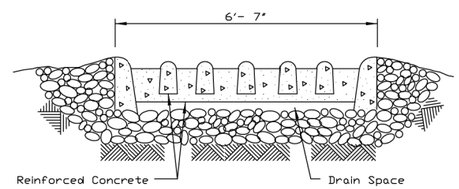
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-630
Designed	Date		SHEET 1 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

STABILIZED CONSTRUCTION ENTRANCE PLAN



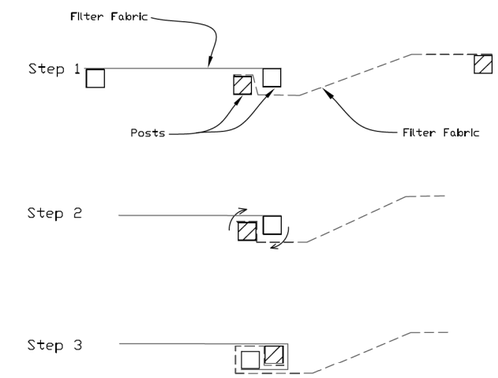
SECTION A-A



SECTION B-B

REFERENCE			STANDARD DWG. NO.
Project		NRCS Natural Resources Conservation Service	IL-630
Designed	Date		SHEET 2 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

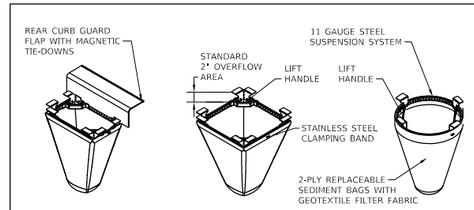
SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE			STANDARD DWG. NO.
Project			IUM-620B(W)
Designed	Date		SHEET 1 OF 1
Checked	Date		DATE 3-16-2012
Approved	Date		



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

Material Property	Test Method	Value (min. ave.)	
> Inner Filter Bag Specs (2ft³min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4535	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Premiliivity	ASTM D 4491	2.0 / sec.	2.1 / sec
Water Flow Rate	ASTM D 4491	145 gpm / sq.ft	145 gpm / sq.ft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz / sq.yd, +/- 15%	
Thickness	ASTM D 1777	0.40 +/- .005	
> Frame Construction			
A36 Structural Steel: 11 Gauge, Zinc Plated	ASTM A 576	Tensile Strength > 58,000 psi Yield Strength > 36,000 psi	

MAINTENANCE
1. CLEAN OUT AFTER EVERY RAIN EVENT

GEWALT HAMILTON ASSOCIATES, INC. | INLET FILTER BASKET DETAIL

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-esc-detail.dgn

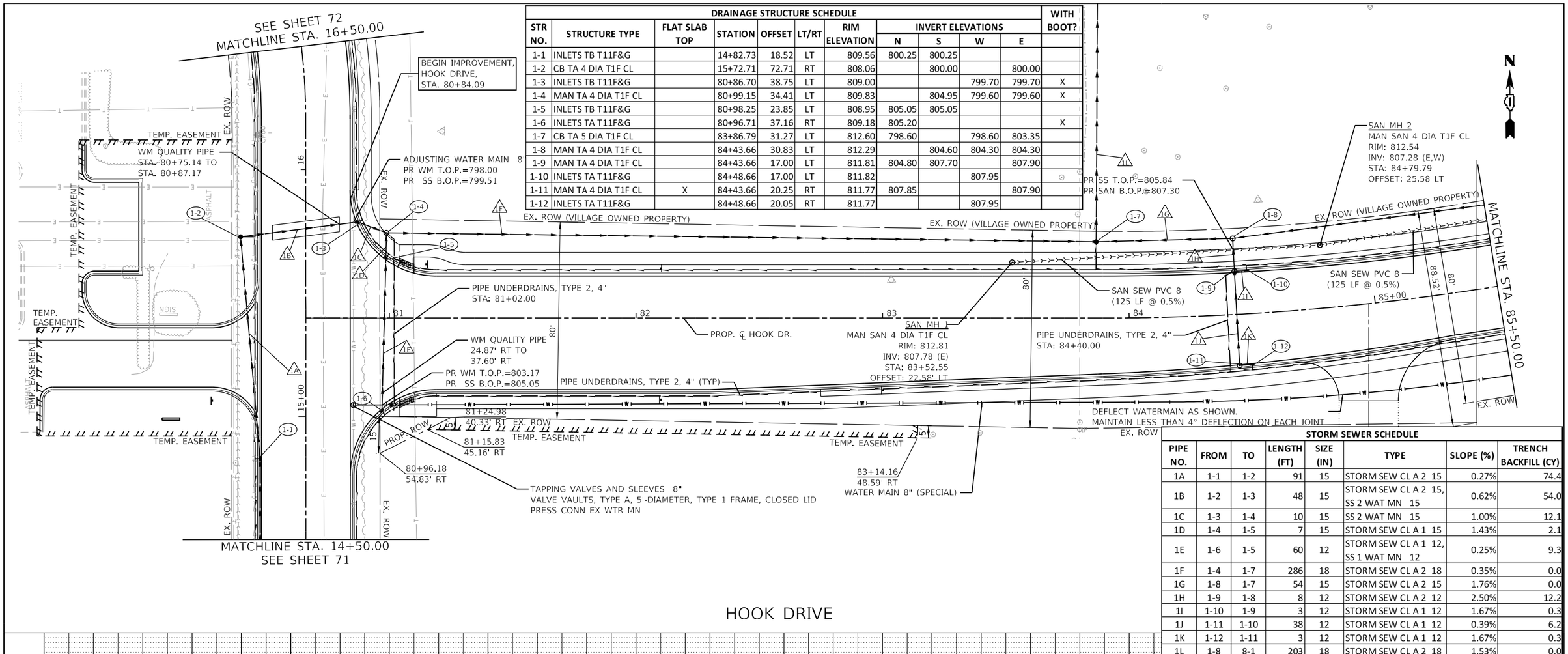
FILE NAME = 4600-034-sht-esc-detail.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
4600.054		DRAWN - PJS	REVISED -	
Default	PLOT SCALE = 1:2	CHECKED - MJV	REVISED -	
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -	

SOIL EROSION AND SEDIMENT CONTROL DETAILS
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

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

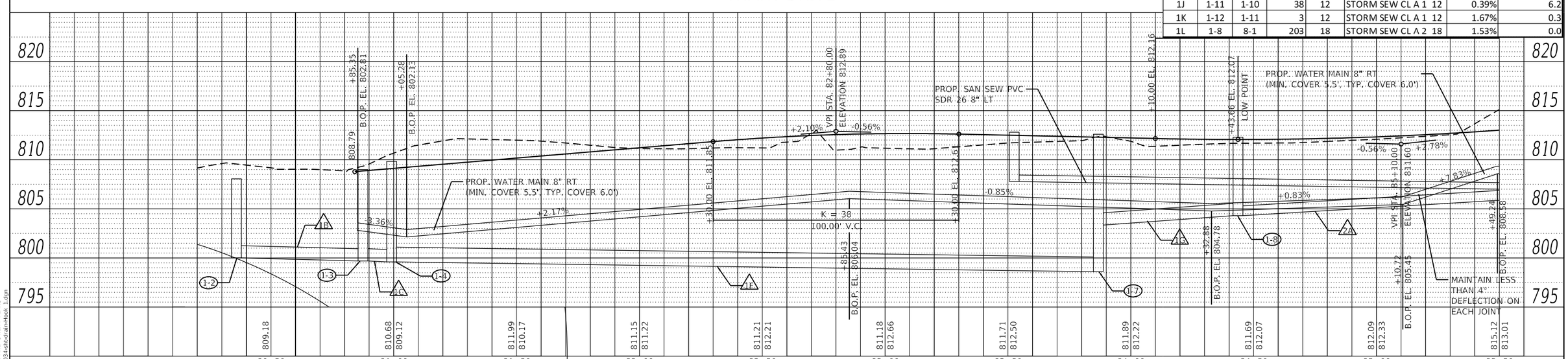
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	65
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE											WITH BOOT?
STR NO.	STRUCTURE TYPE	FLAT SLAB TOP	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E	
1-1	INLETS TB T11F&G		14+82.73	18.52	LT	809.56	800.25	800.25			
1-2	CB TA 4 DIA T1F CL		15+72.71	72.71	RT	808.06		800.00		800.00	
1-3	INLETS TB T11F&G		80+86.70	38.75	LT	809.00			799.70	799.70	X
1-4	MAN TA 4 DIA T1F CL		80+99.15	34.41	LT	809.83		804.95	799.60	799.60	X
1-5	INLETS TB T11F&G		80+98.25	23.85	LT	808.95	805.05	805.05			
1-6	INLETS TA T11F&G		80+96.71	37.16	RT	809.18	805.20				X
1-7	CB TA 5 DIA T1F CL		83+86.79	31.27	LT	812.60	798.60		798.60	803.35	
1-8	MAN TA 4 DIA T1F CL		84+43.66	30.83	LT	812.29		804.60	804.30	804.30	
1-9	MAN TA 4 DIA T1F CL		84+43.66	17.00	LT	811.81	804.80	807.70		807.90	
1-10	INLETS TA T11F&G		84+48.66	17.00	LT	811.82			807.95		
1-11	MAN TA 4 DIA T1F CL	X	84+43.66	20.25	RT	811.77	807.85			807.90	
1-12	INLETS TA T11F&G		84+48.66	20.05	RT	811.77			807.95		



STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
1A	1-1	1-2	91	15	STORM SEW CL A 2 15	0.27%	74.4
1B	1-2	1-3	48	15	STORM SEW CL A 2 15, SS 2 WAT MN 15	0.62%	54.0
1C	1-3	1-4	10	15	SS 2 WAT MN 15	1.00%	12.1
1D	1-4	1-5	7	15	STORM SEW CL A 1 15	1.43%	2.1
1E	1-6	1-5	60	12	STORM SEW CL A 1 12, SS 1 WAT MN 12	0.25%	9.3
1F	1-4	1-7	286	18	STORM SEW CL A 2 18	0.35%	0.0
1G	1-8	1-7	54	15	STORM SEW CL A 2 15	1.76%	0.0
1H	1-9	1-8	8	12	STORM SEW CL A 2 12	2.50%	12.2
1I	1-10	1-9	3	12	STORM SEW CL A 1 12	1.67%	0.3
1J	1-11	1-10	38	12	STORM SEW CL A 1 12	0.39%	6.2
1K	1-12	1-11	3	12	STORM SEW CL A 1 12	1.67%	0.3
1L	1-8	8-1	203	18	STORM SEW CL A 2 18	1.53%	0.0

HOOK DRIVE



FILE NAME = 4600-034-sht-drain-Hook 1.dgn 4600.054 DRAINAGE AND UTILITY PLANS	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 81+34 TO STA. 85+50

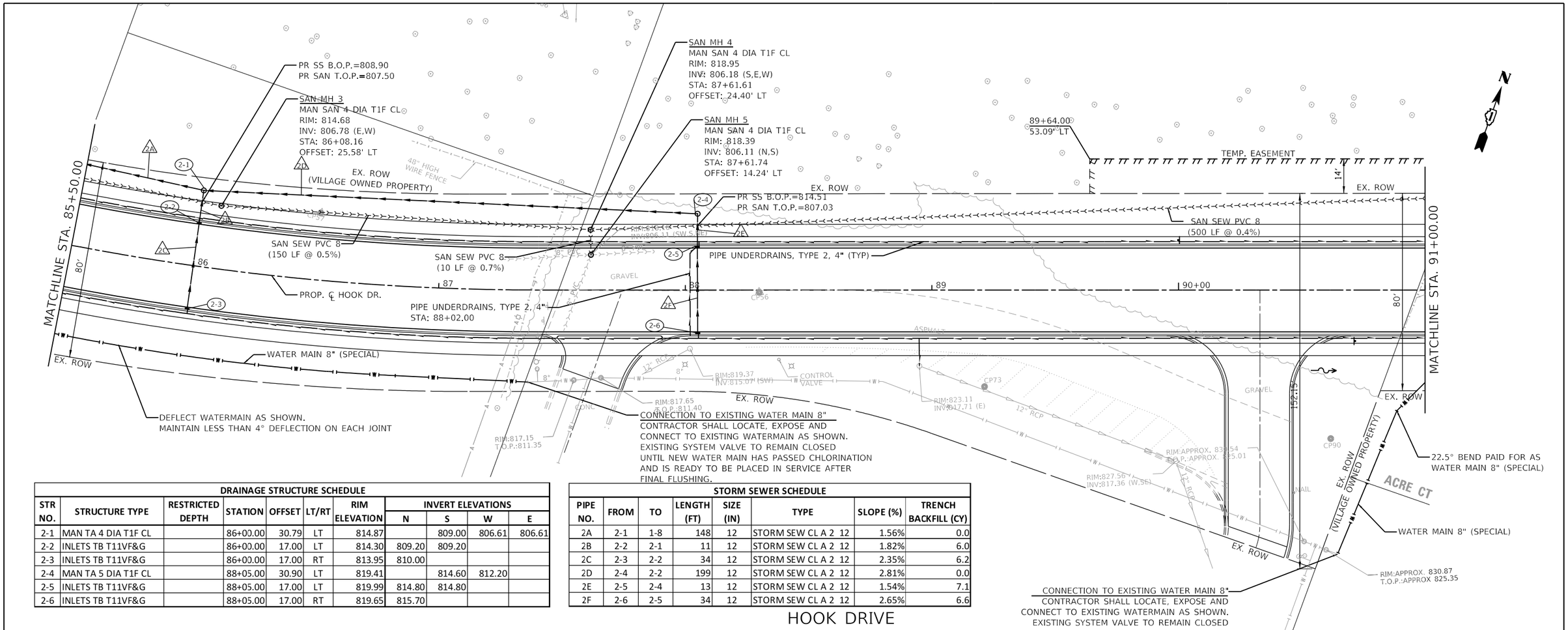
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	66

CONTRACT NO. 61J86
ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Hook 1.dgn

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE



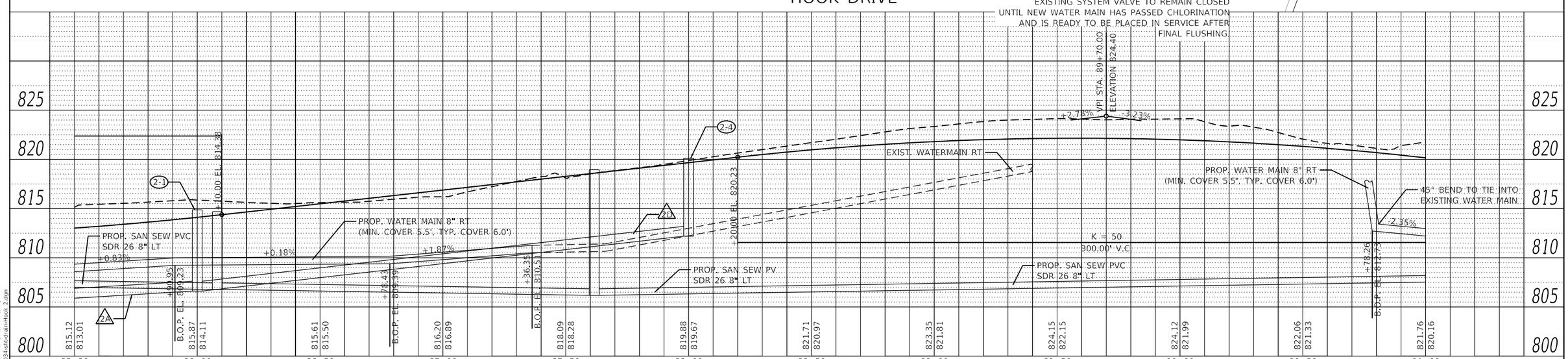
DRAINAGE STRUCTURE SCHEDULE

STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E
2-1	MAN TA 4 DIA T1F CL		86+00.00	30.79	LT	814.87		809.00	806.61	806.61
2-2	INLETS TB T11VF&G		86+00.00	17.00	LT	814.30	809.20	809.20		
2-3	INLETS TB T11VF&G		86+00.00	17.00	RT	813.95	810.00			
2-4	MAN TA 5 DIA T1F CL		88+05.00	30.90	LT	819.41		814.60	812.20	
2-5	INLETS TB T11VF&G		88+05.00	17.00	LT	819.99	814.80	814.80		
2-6	INLETS TB T11VF&G		88+05.00	17.00	RT	819.65	815.70			

STORM SEWER SCHEDULE

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
2A	2-1	1-8	148	12	STORM SEW CL A 2 12	1.56%	0.0
2B	2-2	2-1	11	12	STORM SEW CL A 2 12	1.82%	6.0
2C	2-3	2-2	34	12	STORM SEW CL A 2 12	2.35%	6.2
2D	2-4	2-2	199	12	STORM SEW CL A 2 12	2.81%	0.0
2E	2-5	2-4	13	12	STORM SEW CL A 2 12	1.54%	7.1
2F	2-6	2-5	34	12	STORM SEW CL A 2 12	2.65%	6.6

HOOK DRIVE



FILE NAME = 4600-034-sht-drain-Hook 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. 85+50 TO STA. 91+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	67

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

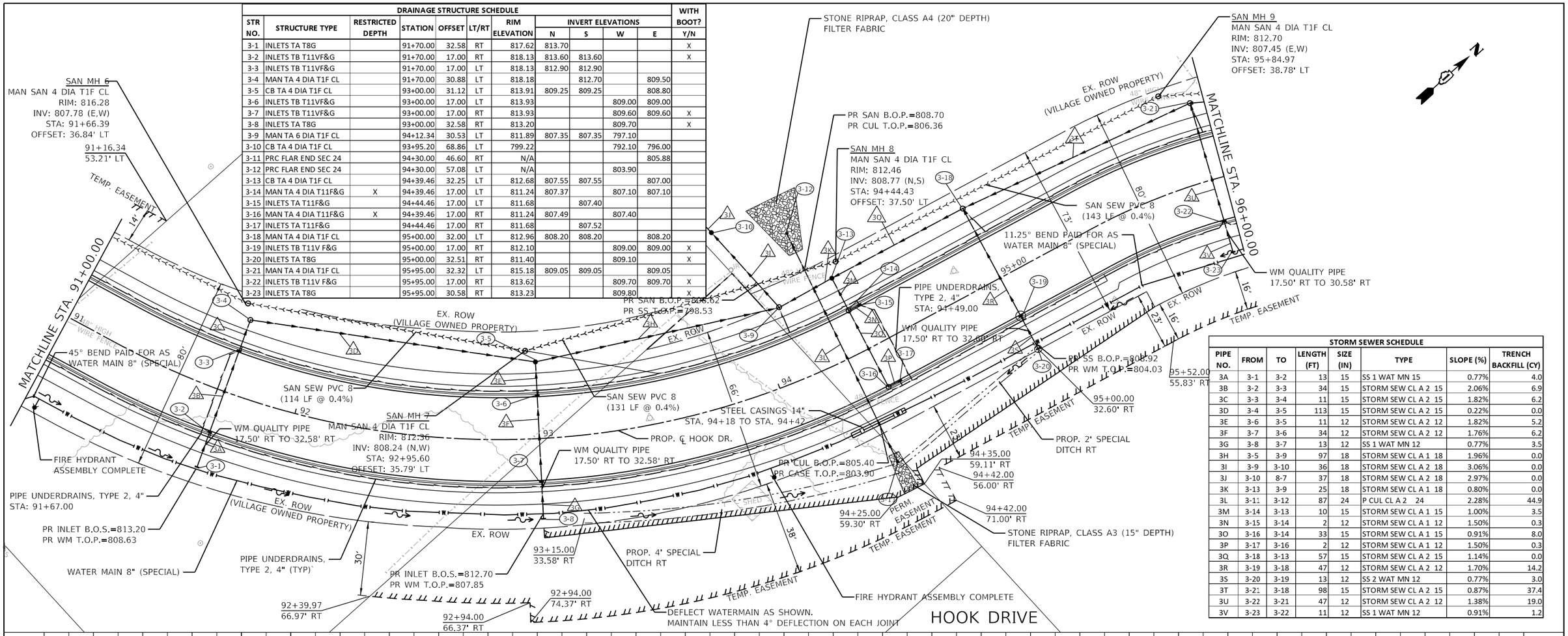
GEWALT HAMILTON ASSOCIATES, INC.

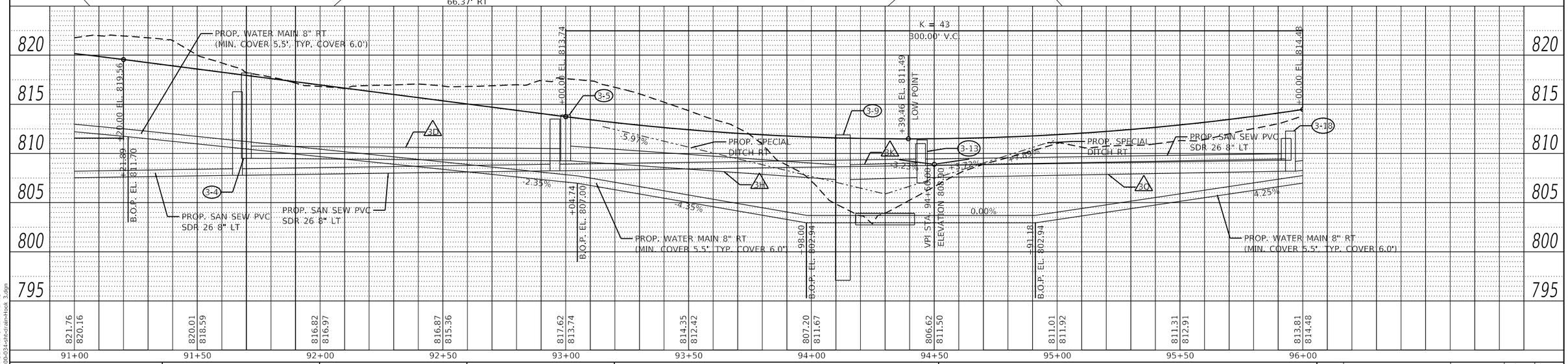
MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Hook 2.dgn

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

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

DRAINAGE STRUCTURE SCHEDULE											WITH BOOT?
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E	Y/N
3-1	INLETS TA T8G		91+70.00	32.58	RT	817.62	813.70				X
3-2	INLETS TB T11VF&G		91+70.00	17.00	RT	818.13	813.60	813.60			X
3-3	INLETS TB T11VF&G		91+70.00	17.00	LT	818.13	812.90	812.90			
3-4	MAN TA 4 DIA T1F CL		91+70.00	30.88	LT	818.18		812.70		809.50	
3-5	CB TA 4 DIA T1F CL		93+00.00	31.12	LT	813.91	809.25	809.25		808.80	
3-6	INLETS TB T11VF&G		93+00.00	17.00	LT	813.93			809.00	809.00	
3-7	INLETS TB T11VF&G		93+00.00	17.00	RT	813.93			809.60	809.60	X
3-8	INLETS TA T8G		93+00.00	32.58	RT	813.20			809.70		X
3-9	MAN TA 6 DIA T1F CL		94+12.34	30.53	LT	811.89	807.35	807.35	797.10		
3-10	CB TA 4 DIA T1F CL		93+95.20	68.86	LT	799.22			792.10	796.00	
3-11	PRC FLAR END SEC 24		94+30.00	46.60	RT	N/A				805.88	
3-12	PRC FLAR END SEC 24		94+30.00	57.08	LT	N/A			803.90		
3-13	CB TA 4 DIA T1F CL		94+39.46	32.25	LT	812.68	807.55	807.55		807.00	
3-14	MAN TA 4 DIA T11F&G	X	94+39.46	17.00	LT	811.24	807.37		807.10	807.10	
3-15	INLETS TA T11F&G		94+44.46	17.00	LT	811.68		807.40			
3-16	MAN TA 4 DIA T11F&G	X	94+39.46	17.00	RT	811.24	807.49		807.40		
3-17	INLETS TA T11F&G		94+44.46	17.00	RT	811.68		807.52			
3-18	MAN TA 4 DIA T1F CL		95+00.00	32.00	LT	812.96	808.20	808.20		808.20	
3-19	INLETS TB T11V F&G		95+00.00	17.00	RT	812.10			809.00	809.00	X
3-20	INLETS TA T8G		95+00.00	32.51	RT	811.40			809.10		X
3-21	MAN TA 4 DIA T1F CL		95+95.00	32.32	LT	815.18	809.05	809.05		809.05	
3-22	INLETS TB T11V F&G		95+95.00	17.00	RT	813.62			809.70	809.70	X
3-23	INLETS TA T8G		95+95.00	30.58	RT	813.23			809.80		X





STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
3A	3-1	3-2	13	15	SS 1 WAT MN 15	0.77%	4.0
3B	3-2	3-3	34	15	STORM SEW CL A 2 15	2.06%	6.9
3C	3-3	3-4	11	15	STORM SEW CL A 2 15	1.82%	6.2
3D	3-4	3-5	113	15	STORM SEW CL A 2 15	0.22%	0.0
3E	3-6	3-5	11	12	STORM SEW CL A 2 12	1.82%	5.2
3F	3-7	3-6	34	12	STORM SEW CL A 2 12	1.76%	6.2
3G	3-8	3-7	13	12	SS 1 WAT MN 12	0.77%	3.5
3H	3-5	3-9	97	18	STORM SEW CL A 1 18	1.96%	0.0
3I	3-9	3-10	36	18	STORM SEW CL A 2 18	3.06%	0.0
3J	3-10	8-7	37	18	STORM SEW CL A 2 18	2.97%	0.0
3K	3-13	3-9	25	18	STORM SEW CL A 1 18	0.80%	0.0
3L	3-11	3-12	87	24	P CUL CL A 2 24	2.28%	44.9
3M	3-14	3-13	10	15	STORM SEW CL A 1 15	1.00%	3.5
3N	3-15	3-14	2	12	STORM SEW CL A 1 12	1.50%	0.3
3O	3-16	3-14	33	15	STORM SEW CL A 1 15	0.91%	8.0
3P	3-17	3-16	2	12	STORM SEW CL A 1 12	1.50%	0.3
3Q	3-18	3-13	57	15	STORM SEW CL A 2 15	1.14%	0.0
3R	3-19	3-18	47	12	STORM SEW CL A 2 12	1.70%	14.2
3S	3-20	3-19	13	12	SS 2 WAT MN 12	0.77%	3.0
3T	3-21	3-18	98	15	STORM SEW CL A 2 15	0.87%	37.4
3U	3-22	3-21	47	12	STORM SEW CL A 2 12	1.38%	19.0
3V	3-23	3-22	11	12	SS 1 WAT MN 12	0.91%	1.2

PLAN — NOTE BOOK NO.____ — SURVEYED ____ PLOTTED ____ ALIGNMENT CHECKED ____ RT. OF WAY CHECKED ____ CADD FILE NAME ____ — BY ____ DATE ____

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

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Hook 3.dgn

FILE NAME = 4600-034-sht-drain-Hook 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

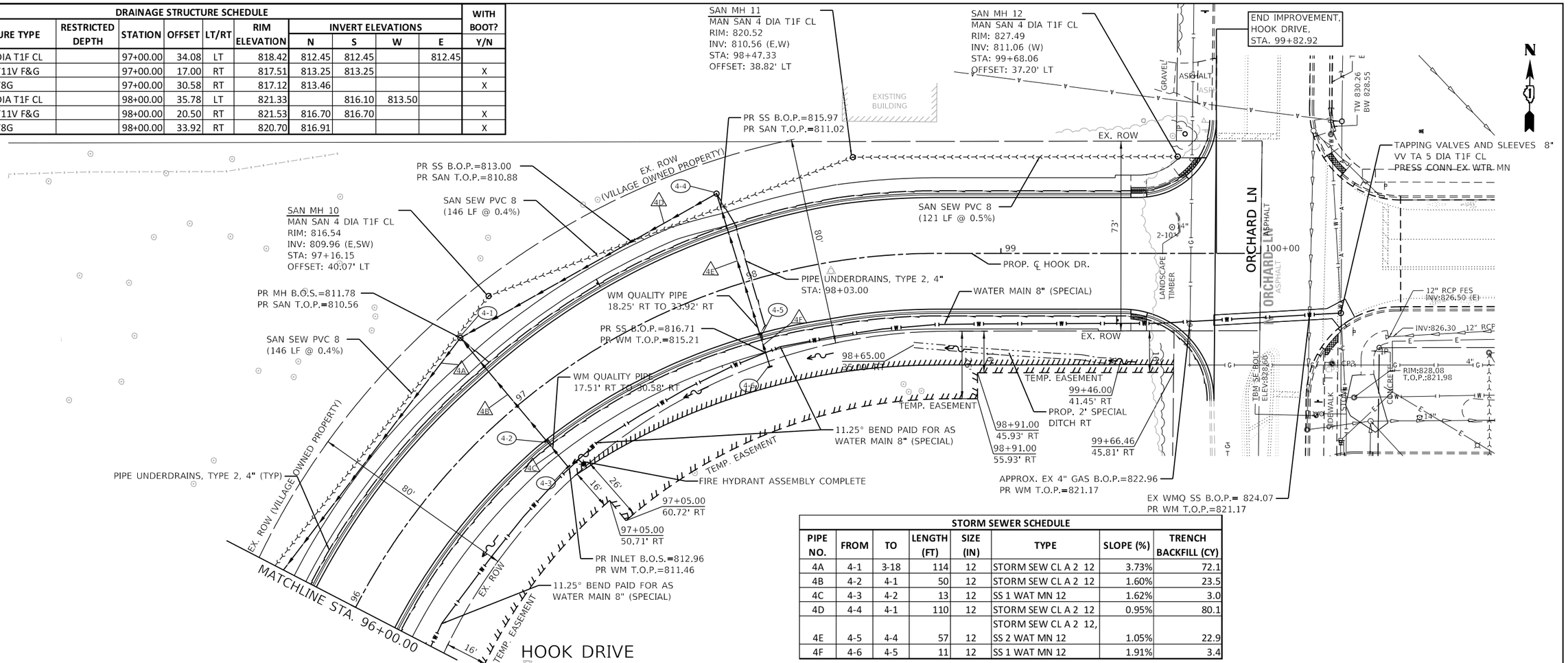
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
HOOK DRIVE

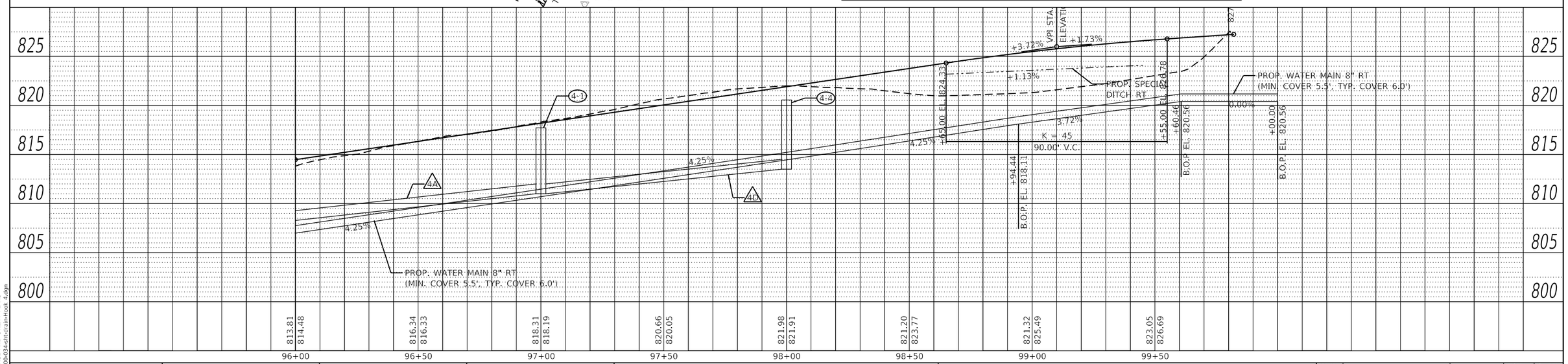
SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 91+00 TO STA. 96+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	68
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE											WITH BOOT?
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E	Y/N
4-1	MAN TA 4 DIA T1F CL		97+00.00	34.08	LT	818.42	812.45	812.45		812.45	
4-2	INLETS TB T11V F&G		97+00.00	17.00	RT	817.51	813.25	813.25			X
4-3	INLETS TA T8G		97+00.00	30.58	RT	817.12	813.46				X
4-4	MAN TA 4 DIA T1F CL		98+00.00	35.78	LT	821.33		816.10	813.50		
4-5	INLETS TB T11V F&G		98+00.00	20.50	RT	821.53	816.70	816.70			X
4-6	INLETS TA T8G		98+00.00	33.92	RT	820.70	816.91				X



STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
4A	4-1	3-18	114	12	STORM SEW CL A 2 12	3.73%	72.1
4B	4-2	4-1	50	12	STORM SEW CL A 2 12	1.60%	23.5
4C	4-3	4-2	13	12	SS 1 WAT MN 12	1.62%	3.0
4D	4-4	4-1	110	12	STORM SEW CL A 2 12	0.95%	80.1
4E	4-5	4-4	57	12	STORM SEW CL A 2 12, SS 2 WAT MN 12	1.05%	22.9
4F	4-6	4-5	11	12	SS 1 WAT MN 12	1.91%	3.4



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Hook 4.dgn

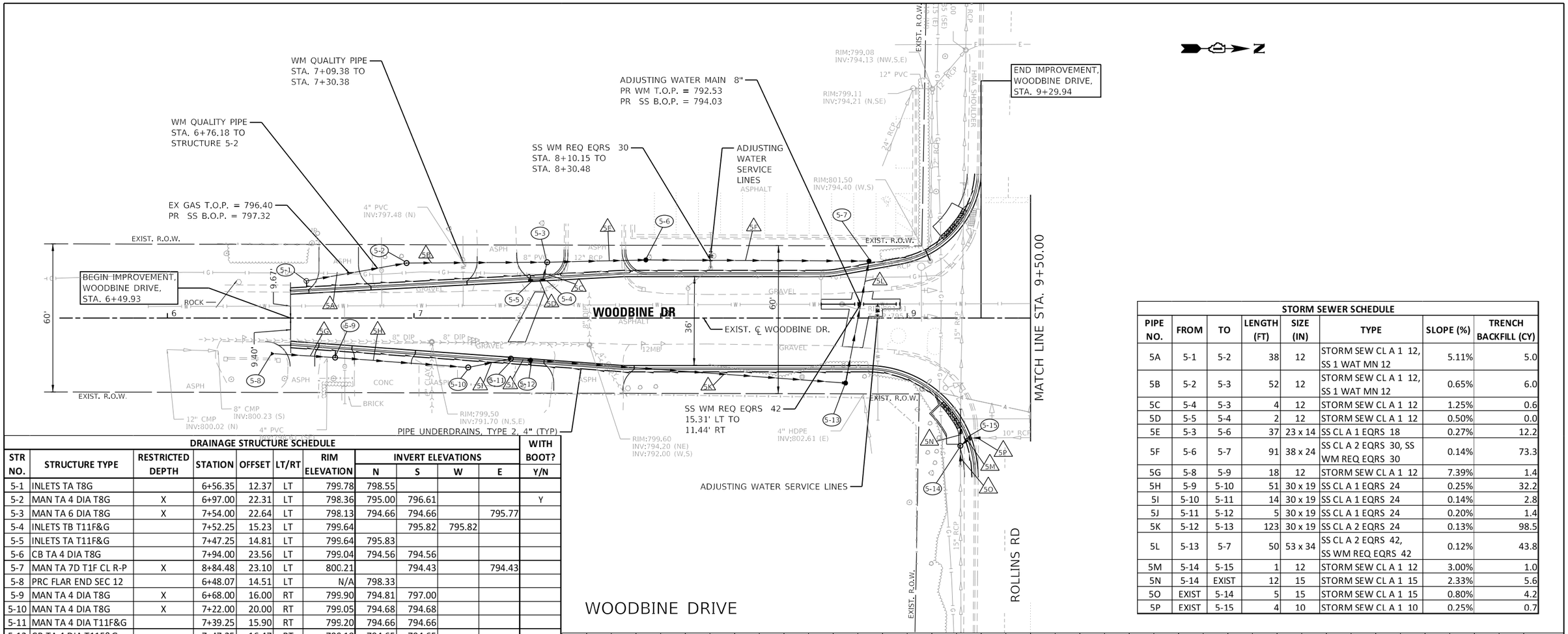
FILE NAME = 4600-034-sht-drain-Hook 4.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
HOOK DRIVE

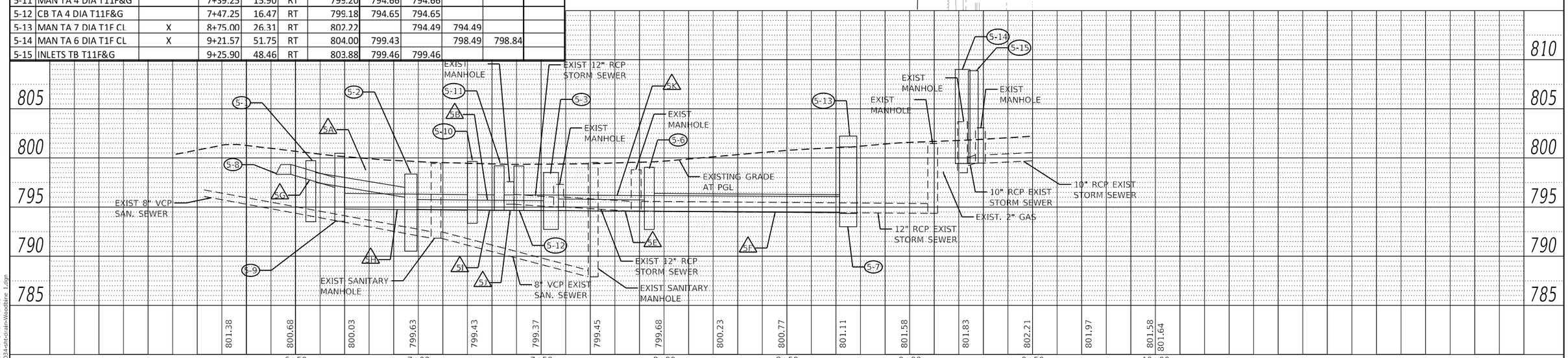
SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 96+00 TO STA. 100+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	69
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE STRUCTURE SCHEDULE											WITH BOOT?
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E	Y/N
5-1	INLETS TA T8G		6+56.35	12.37	LT	799.78	798.55				
5-2	MAN TA 4 DIA T8G	X	6+97.00	22.31	LT	798.36	795.00	796.61			Y
5-3	MAN TA 6 DIA T8G	X	7+54.00	22.64	LT	798.13	794.66	794.66		795.77	
5-4	INLETS TB T11F&G		7+52.25	15.23	LT	799.64		795.82	795.82		
5-5	INLETS TA T11F&G		7+47.25	14.81	LT	799.64	795.83				
5-6	CB TA 4 DIA T8G		7+94.00	23.56	LT	799.04	794.56	794.56			
5-7	MAN TA 7D T1F CL R-P	X	8+84.48	23.10	LT	800.21		794.43		794.43	
5-8	PRC FLAR END SEC 12		6+48.07	14.51	LT	N/A	798.33				
5-9	MAN TA 4 DIA T8G	X	6+68.00	16.00	RT	799.90	794.81	797.00			
5-10	MAN TA 4 DIA T8G	X	7+22.00	20.00	RT	799.05	794.68	794.68			
5-11	MAN TA 4 DIA T11F&G		7+39.25	15.90	RT	799.20	794.66	794.66			
5-12	CB TA 4 DIA T11F&G		7+47.25	16.47	RT	799.18	794.65	794.65			
5-13	MAN TA 7 DIA T1F CL	X	8+75.00	26.31	RT	802.22		794.49	794.49		
5-14	MAN TA 6 DIA T1F CL	X	9+21.57	51.75	RT	804.00	799.43		798.49	798.84	
5-15	INLETS TB T11F&G		9+25.90	48.46	RT	803.88	799.46	799.46			

STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
5A	5-1	5-2	38	12	STORM SEW CL A 1 12, SS 1 WAT MN 12	5.11%	5.0
5B	5-2	5-3	52	12	STORM SEW CL A 1 12, SS 1 WAT MN 12	0.65%	6.0
5C	5-4	5-3	4	12	STORM SEW CL A 1 12	1.25%	0.6
5D	5-5	5-4	2	12	STORM SEW CL A 1 12	0.50%	0.0
5E	5-3	5-6	37	23 x 14	SS CL A 1 EQRS 18	0.27%	12.2
5F	5-6	5-7	91	38 x 24	SS CL A 2 EQRS 30, SS WM REQ EQRS 30	0.14%	73.3
5G	5-8	5-9	18	12	STORM SEW CL A 1 12	7.39%	1.4
5H	5-9	5-10	51	30 x 19	SS CL A 1 EQRS 24	0.25%	32.2
5I	5-10	5-11	14	30 x 19	SS CL A 1 EQRS 24	0.14%	2.8
5J	5-11	5-12	5	30 x 19	SS CL A 1 EQRS 24	0.20%	1.4
5K	5-12	5-13	123	30 x 19	SS CL A 2 EQRS 24	0.13%	98.5
5L	5-13	5-7	50	53 x 34	SS CL A 2 EQRS 42, SS WM REQ EQRS 42	0.12%	43.8
5M	5-14	5-15	1	12	STORM SEW CL A 1 12	3.00%	1.0
5N	5-14	EXIST	12	15	STORM SEW CL A 1 15	2.33%	5.6
5O	EXIST	5-14	5	15	STORM SEW CL A 1 15	0.80%	4.2
5P	EXIST	5-15	4	10	STORM SEW CL A 1 10	0.25%	0.7



FILE NAME = 4600-034-sht-drain-Woodbine 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
WOODBINE DRIVE

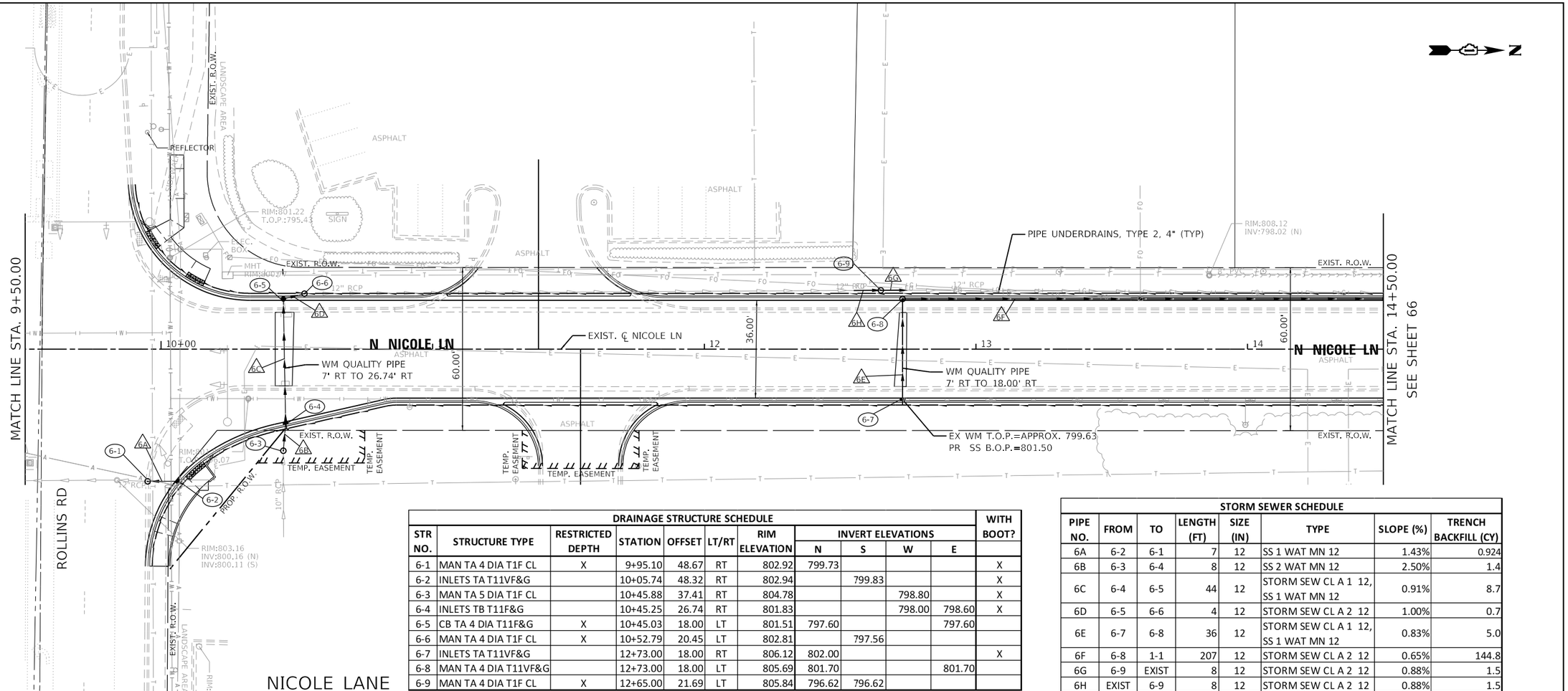
SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 6+50 TO STA. 9+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	70
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Woodbine 1.dgn

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO.____ — BY — DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO.____ — BY — DATE



DRAINAGE STRUCTURE SCHEDULE											WITH BOOT?
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS N	S	W	E	
6-1	MAN TA 4 DIA T1F CL	X	9+95.10	48.67	RT	802.92	799.73				X
6-2	INLETS TA T11VF&G		10+05.74	48.32	RT	802.94		799.83			X
6-3	MAN TA 5 DIA T1F CL		10+45.88	37.41	RT	804.78			798.80		X
6-4	INLETS TB T11F&G		10+45.25	26.74	RT	801.83			798.00	798.60	X
6-5	CB TA 4 DIA T11F&G	X	10+45.03	18.00	LT	801.51	797.60			797.60	
6-6	MAN TA 4 DIA T1F CL	X	10+52.79	20.45	LT	802.81		797.56			
6-7	INLETS TA T11VF&G		12+73.00	18.00	RT	806.12	802.00				X
6-8	MAN TA 4 DIA T11VF&G		12+73.00	18.00	LT	805.69	801.70			801.70	
6-9	MAN TA 4 DIA T1F CL	X	12+65.00	21.69	LT	805.84	796.62	796.62			

STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
6A	6-2	6-1	7	12	SS 1 WAT MN 12	1.43%	0.924
6B	6-3	6-4	8	12	SS 2 WAT MN 12	2.50%	1.4
6C	6-4	6-5	44	12	STORM SEW CL A 1 12, SS 1 WAT MN 12	0.91%	8.7
6D	6-5	6-6	4	12	STORM SEW CL A 2 12	1.00%	0.7
6E	6-7	6-8	36	12	STORM SEW CL A 1 12, SS 1 WAT MN 12	0.83%	5.0
6F	6-8	1-1	207	12	STORM SEW CL A 2 12	0.65%	144.8
6G	6-9	EXIST	8	12	STORM SEW CL A 2 12	0.88%	1.5
6H	EXIST	6-9	8	12	STORM SEW CL A 2 12	0.88%	1.5

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BAR. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Nicole 1.dgn

FILE NAME = 4600-034-sht-drain-Nicole 1.dgn 4600.054 DRAINAGE AND UTILITY PLANS	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

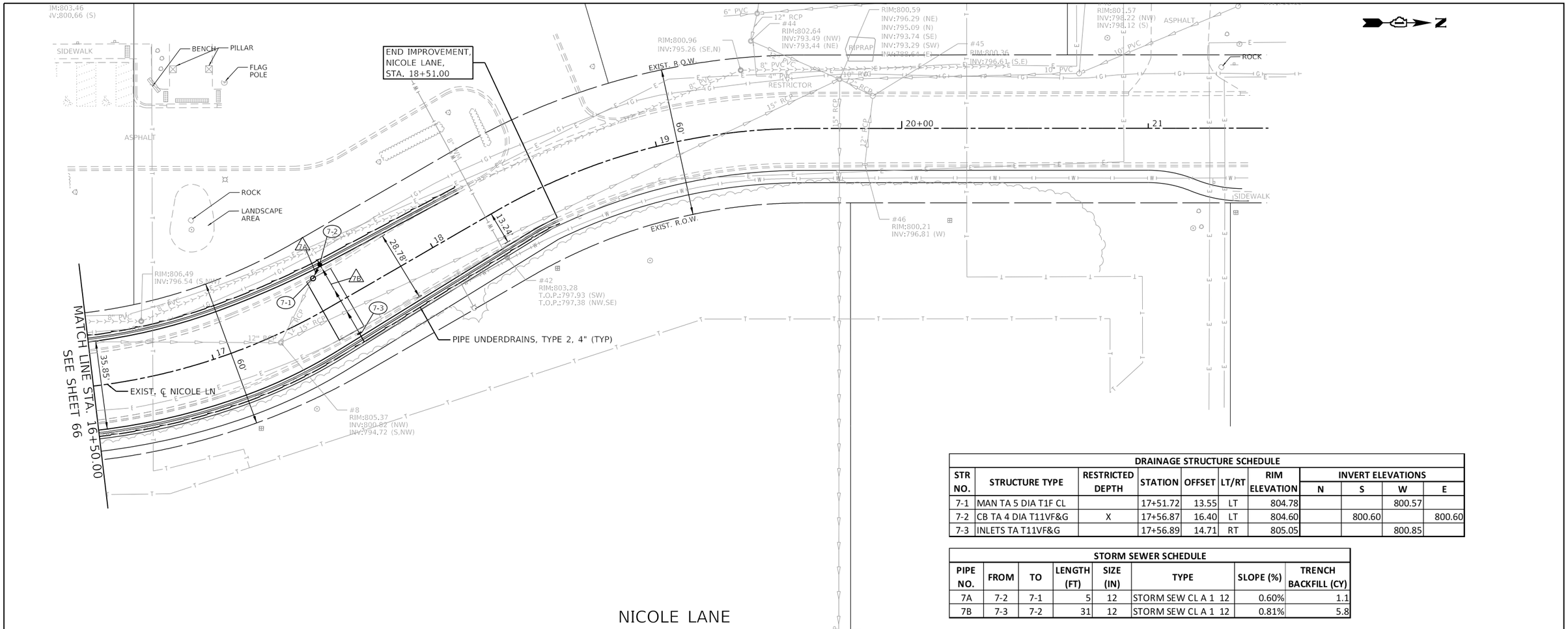
DRAINAGE AND UTILITY PLAN
NICOLE LANE

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. 9+50 TO STA. 14+50

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	71

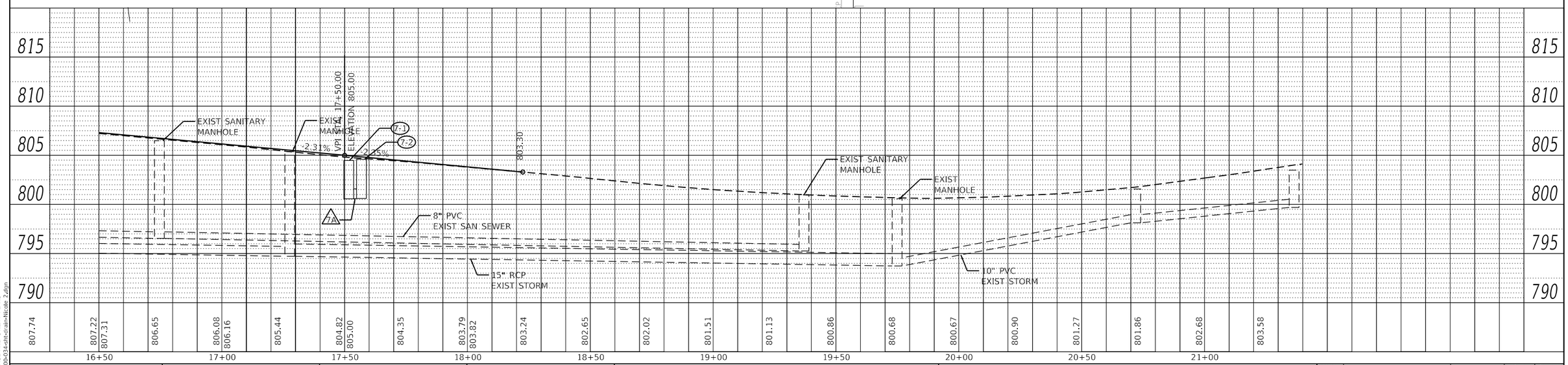
CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



DRAINAGE STRUCTURE SCHEDULE										
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS			
							N	S	W	E
7-1	MAN TA 5 DIA T1F CL		17+51.72	13.55	LT	804.78			800.57	
7-2	CB TA 4 DIA T11VF&G	X	17+56.87	16.40	LT	804.60		800.60		800.60
7-3	INLETS TA T11VF&G		17+56.89	14.71	RT	805.05			800.85	

STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
7A	7-2	7-1	5	12	STORM SEW CL A 1 12	0.60%	1.1
7B	7-3	7-2	31	12	STORM SEW CL A 1 12	0.81%	5.8



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / BY / DATE

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-drain-Nicole 2.dgn

FILE NAME = 4600-034-sht-drain-Nicole 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

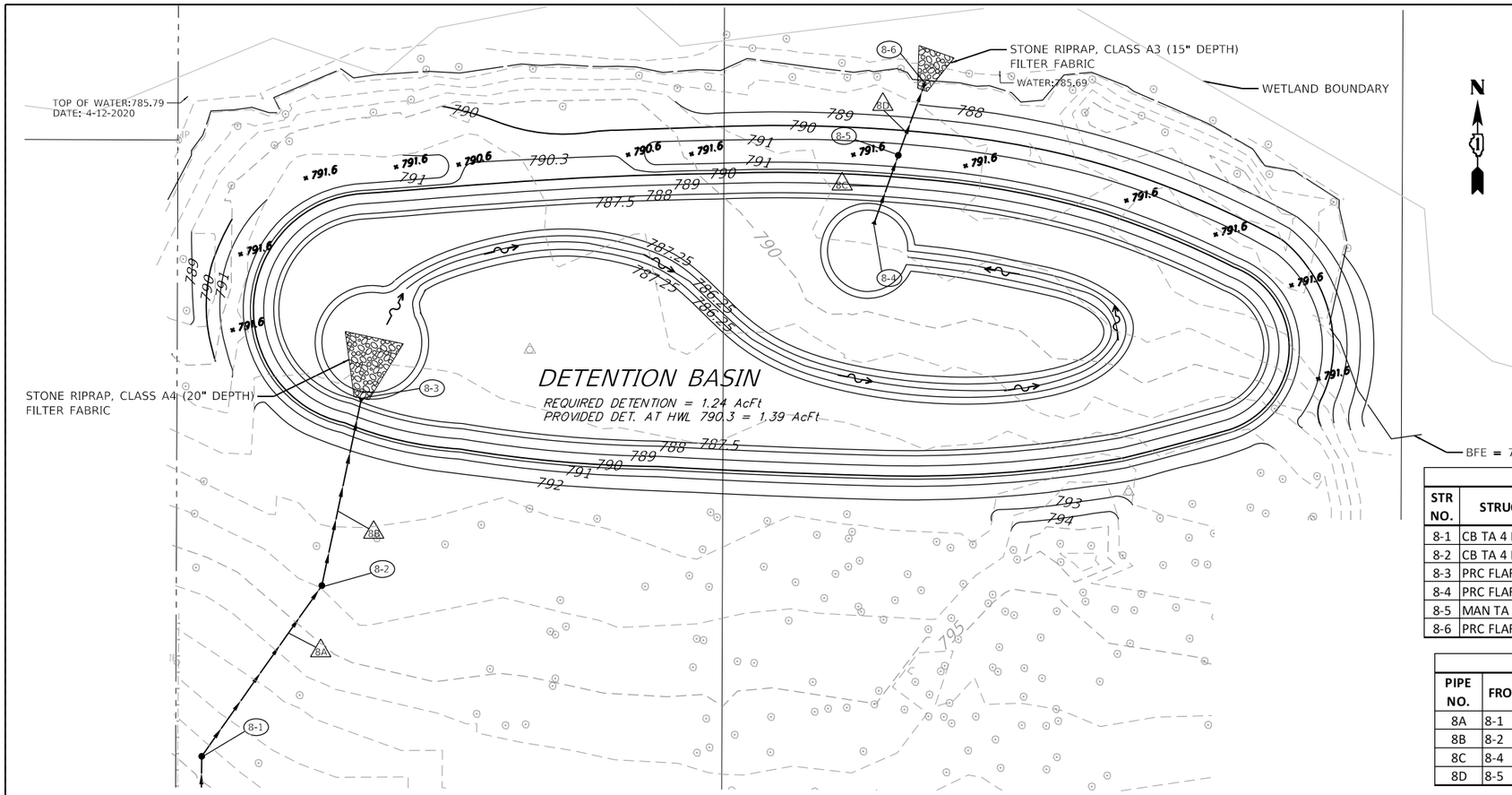
DRAINAGE AND UTILITY PLAN
NICOLE LANE

SCALE: 1"=20' | SHEET 7 OF 8 SHEETS | STA. 16+50 TO STA. 21+41

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	72

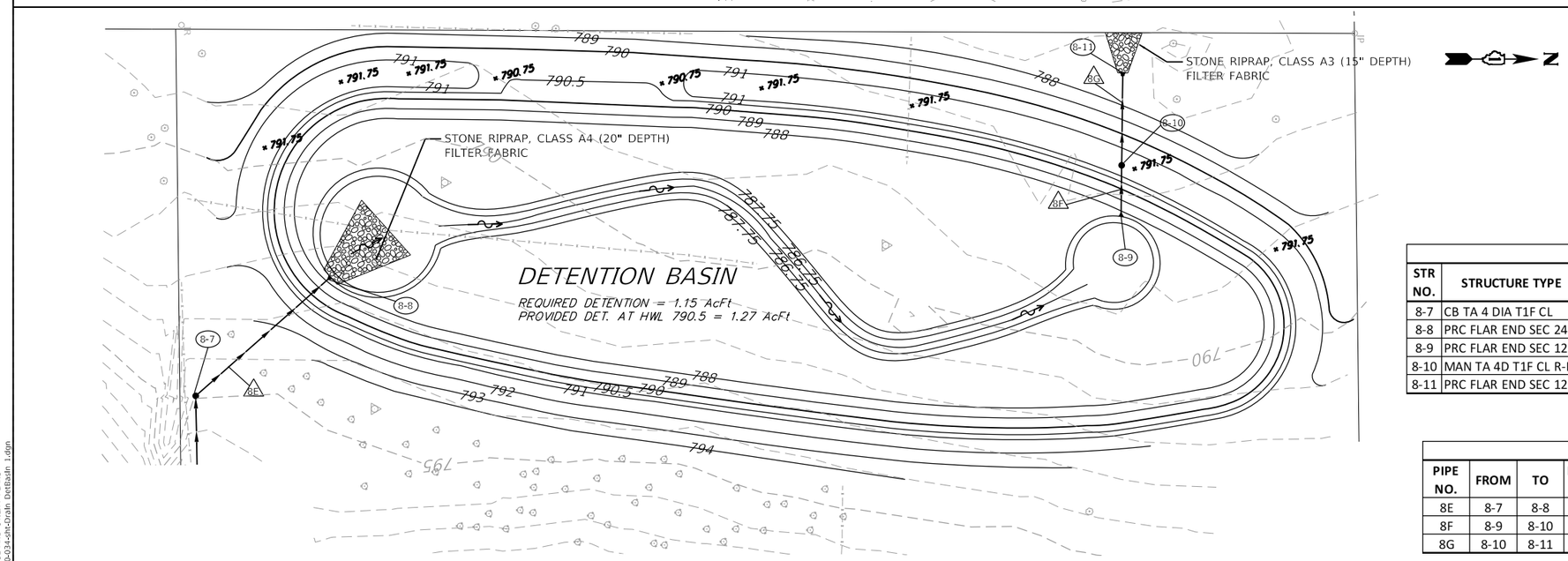
CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



DRAINAGE STRUCTURE SCHEDULE									
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS		
							N	S	W
8-1	CB TA 4 DIA T1F CL		83+87.64	235.68	LT	799.50	791.50	795.50	
8-2	CB TA 4 DIA T1F CL		84+36.30	285.27	LT	794.00	788.25	790.00	
8-3	PRC FLAR END SEC 18		84+57.58	339.77	LT	N/A	787.25		
8-4	PRC FLAR END SEC 12		87+01.51	362.28	LT	N/A		787.25	
8-5	MAN TA 4D T1F CL R-P		87+22.56	379.35	LT	791.60	787.10	787.10	
8-6	PRC FLAR END SEC 12		87+43.95	396.65	LT	N/A	787.00		

STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
8A	8-1	8-2	58	18	STORM SEW CL A 2 18	2.59%	0.0
8B	8-2	8-3	49	18	STORM SEW CL A 1 18	2.04%	0.0
8C	8-4	8-5	14	12	STORM SEW CL A 1 12	1.07%	0.0
8D	8-5	8-6	15	12	STORM SEW CL A 1 12	0.67%	0.0



DRAINAGE STRUCTURE SCHEDULE										
STR NO.	STRUCTURE TYPE	RESTRICTED DEPTH	STATION	OFFSET	LT/RT	RIM ELEVATION	INVERT ELEVATIONS			
							N	S	W	E
8-7	CB TA 4 DIA T1F CL		93+71.57	105.52	LT	795.00			788.80	791.00
8-8	PRC FLAR END SEC 24		94+10.63	154.05	LT	N/A			787.75	
8-9	PRC FLAR END SEC 12		95+98.66	240.10	LT	N/A			787.75	
8-10	MAN TA 4D T1F CL R-P		95+95.32	254.21	LT	791.75			787.60	787.60
8-11	PRC FLAR END SEC 12		95+89.76	279.40	LT	N/A			787.50	

STORM SEWER SCHEDULE							
PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	TRENCH BACKFILL (CY)
8E	8-7	8-8	46	24	STORM SEW CL A 1 24	2.28%	0.0
8F	8-9	8-10	8	12	STORM SEW CL A 1 12	1.87%	0.0
8G	8-10	8-11	20	12	STORM SEW CL A 1 12	0.50%	0.0

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: DRAINAGE AND UTILITY PLANS
FILE NAME: 4600-034-sht-Drain DetBasin 1.dgn

FILE NAME = 4600-034-sht-Drain DetBasin 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DRAINAGE AND UTILITY PLANS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
DETENTION BASINS

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. TO STA.

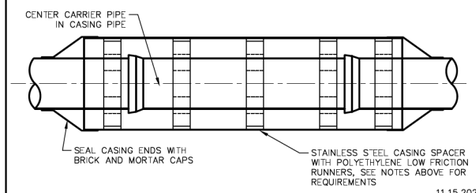
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	73

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

NOTES:

1. CASING SPACERS AND HARDWARE SHALL BE T-304 STAINLESS STEEL.
2. CASING SPACERS SHALL BE INSTALLED AT EACH END OF THE CASING PIPE A MAXIMUM OF 2' FROM THE END OF THE CASING PIPE.
3. FOR DUCTILE IRON PIPE INSTALLATIONS CASING SPACERS SHALL BE PLACED AT A MAXIMUM INTERVAL OF 10'
4. FOR PVC AND HDPE INSTALLATIONS CASING SPACERS SHALL BE PLACED AT A MAXIMUM INTERVAL OF 6'
5. CASING SPACERS ON PVC PIPE SHALL BE INSTALLED AT THE SPIGOT END OF EACH PIPE.
6. CASING SPACERS SHALL BE A MINIMUM OF 8" WIDE.
7. CASING SPACERS SHALL ELECTRICALLY ISOLATE THE CARRIER PIPE FROM THE CASING PIPE.
8. CASING RUNNERS SHALL HAVE A COEFFICIENT OF FRICTION < 0.13 PER ASTM D-1894 ON SMOOTH STEEL SURFACES
9. SEE TRENCH DETAIL FOR TRENCHING REQUIREMENTS

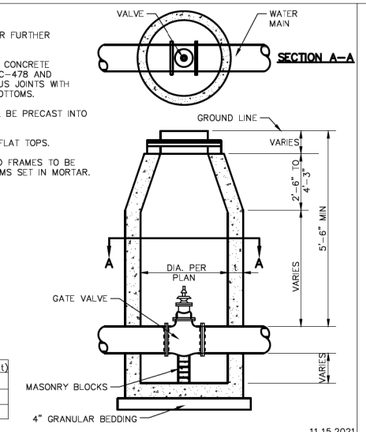


11.15.2021

GEWALT HAMILTON ASSOCIATES, INC. — PIPE CASING FOR WATER MAIN SEPARATION REQUIREMENTS

NOTES:

1. SEE WATER TABLE FOR FURTHER REQUIREMENTS.
2. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOMS.
3. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
4. I.D.O.T #602601 FOR FLAT TOPS.
5. FINAL ADJUSTMENT TO FRAMES TO BE DONE WITH STEEL SHIMS SET IN MORTAR.



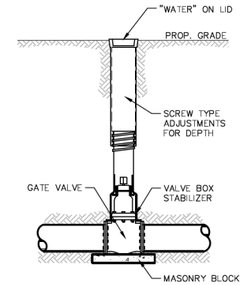
DIA	MIN. THICKNESS (t)
48"	4"
60"	5"
72"	6"

11.15.2021

GEWALT HAMILTON ASSOCIATES, INC. — VALVE VAULT

NOTES:

1. SEE WATER TABLE FOR FURTHER REQUIREMENTS.

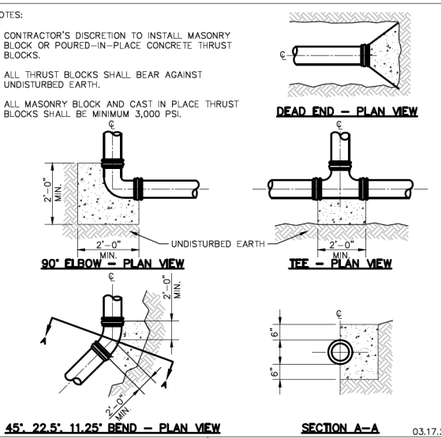


03.17.2021

GEWALT HAMILTON ASSOCIATES, INC. — VALVE BOX

NOTES:

1. CONTRACTOR'S DISCRETION TO INSTALL MASONRY BLOCK OR POURED-IN-PLACE CONCRETE THRUST BLOCKS.
2. ALL THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.
3. ALL MASONRY BLOCK AND CAST IN PLACE THRUST BLOCKS SHALL BE MINIMUM 3,000 PSI.

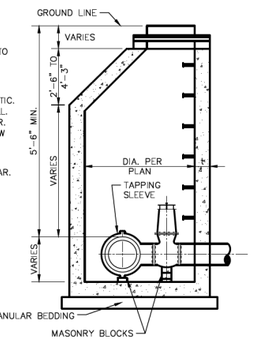


03.17.2021

GEWALT HAMILTON ASSOCIATES, INC. — THRUST BLOCKING

NOTES:

1. SEE WATER TABLE FOR FURTHER REQUIREMENTS.
2. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOMS.
3. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
4. I.D.O.T #602601 FOR FLAT TOPS.
5. STEPS TO BE STEEL REINFORCED PLASTIC.
   A. IMBEDDED 3" INTO STRUCTURE WALL.
   B. SPACED AT 16" CENTER TO CENTER.
   C. FIRST STEP LOCATED 8"-12" BELOW FRAME.
6. FINAL ADJUSTMENT TO FRAMES TO BE DONE WITH STEEL SHIMS SET IN MORTAR.



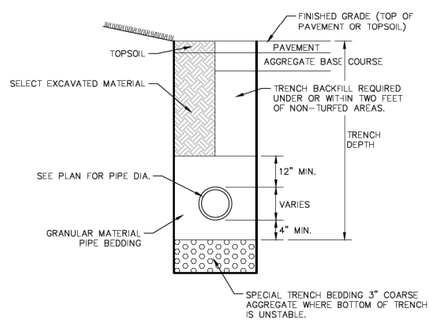
DIA	MIN. THICKNESS (t)
60"	5"
72"	6"

11.15.2021

GEWALT HAMILTON ASSOCIATES, INC. — TAPPING VALVE AND VAULT

NOTE:
SEE WATER TABLE FOR MATERIAL REQUIREMENTS.

TRENCH WIDTH
WIDTH (MAX.) = 9" + OD + 9" WHEN TRENCH DEPTH ≤ 5 FT.
WIDTH (MAX.) = 18" + OD + 18" WHEN TRENCH DEPTH > 5 FT.



04.02.2021

GEWALT HAMILTON ASSOCIATES, INC. — WATER MAIN TRENCH

VERTICAL SEPARATION REQUIREMENTS

CROSSING	REQUIRED VERTICAL SEPARATION	ADDITIONAL REQUIREMENTS (SELECT ONE)
WATER OVER SEWER	WATER INVERT 18" ABOVE CROWN OF SEWER.	**VERTICAL SEPARATION < 18"** 1. WATER OR SEWER TO BE ENCASED FOR A MINIMUM DISTANCE OF 10' FROM THE EDGE OF PIPE, ON EITHER SIDE, PERPENDICULAR TO THE CROSSING. 2. SEWER TO BE WATER MAIN CLASS PIPE FOR A DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING.
SEWER OVER WATER	SEWER INVERT 18" ABOVE CROWN OF WATER.	**VERTICAL SEPARATION < 18" (NEVER ALLOWED)** 1. WATER OR SEWER TO BE ENCASED FOR A MINIMUM DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING. 2. SEWER TO BE WATER MAIN CLASS PIPE FOR A DISTANCE OF 10' FROM THE EDGE OF PIPE ON EITHER SIDE PERPENDICULAR TO THE CROSSING.

NOTES:

1. SEE WATER TABLE FOR FURTHER MATERIAL REQUIREMENTS.
2. SEPARATION REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED WATER MAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER, AND ALL SERVICE CONNECTIONS.
3. WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS, SEEPAGE BEDS, AND LIFT STATIONS BY A MINIMUM OF 25'.

HORIZONTAL SEPARATION REQUIREMENTS

REQUIRED HORIZONTAL SEPARATION	ADDITIONAL REQUIREMENTS
10' OF LATERAL SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE.	**HORIZONTAL SEPARATION < 10'** 1. WATER INVERT 18" ABOVE CROWN OF SEWER. **HORIZONTAL SEPARATION < 10' & VERTICAL SEPARATION < 18"** 2. SEWER CONSTRUCTED WITH WATER MAIN CLASS PIPE (SEE VERTICAL SEPARATION REQUIREMENTS) AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE PRIOR TO BACKFILLING.

RESTRAINED LENGTH TABLE

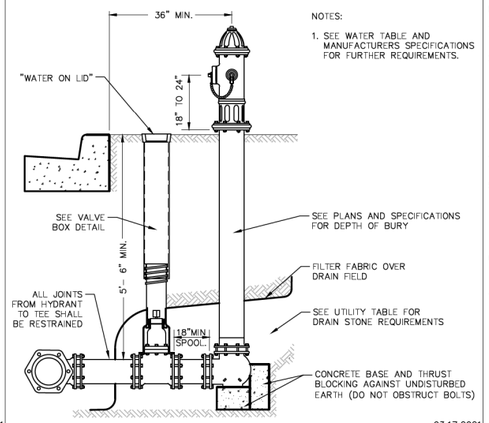
TYPE OF FITTING	RESTRAINED LENGTH (EACH WAY)
TEE AND PLUG	LENGTH OF TEE
90° BEND	18'-0"
45° BEND	8'-0"
22 1/2° BEND	4'-0"
11 1/4° BEND	2'-0"

LOCKING GASKET LENGTH TABLE

TYPE OF BEND/FITTING	DISTANCE FROM BEND/FITTING (EACH WAY)
45° HORIZONTAL BEND	15'-0"
22.5° HORIZONTAL BEND	10'-0"
45° VERTICAL OFFSET	25'-0"
TEES	PROVIDE THRUST BLOCK
PRESSURE CONNECTION	PROVIDE THRUST BLOCK
END CAPS	PROVIDE THRUST BLOCK

04.02.2021

GEWALT HAMILTON ASSOCIATES, INC. — WATER MAIN INSTALLATION AND SEPARATION REQUIREMENTS



NOTES:

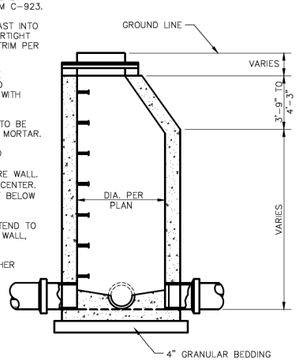
1. SEE WATER TABLE AND MANUFACTURERS SPECIFICATIONS FOR FURTHER REQUIREMENTS.

03.17.2021

GEWALT HAMILTON ASSOCIATES, INC. — FIRE HYDRANT

NOTES:

1. EXTERIOR NEOPRENE CHIMNEY SEAL STAINLESS STEEL TRIM PER ASTM C-923.
2. PIPE OPENINGS SHALL BE PRECAST INTO WALLS. CAST IN RESILIENT WATERTIGHT SLEEVE WITH STAINLESS STEEL TRIM PER ASTM C-923.
3. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOMS.
4. FINAL ADJUSTMENT TO FRAMES TO BE DONE WITH STEEL SHIMS SET IN MORTAR.
5. STEPS TO BE STEEL REINFORCED PLASTIC.
   A. IMBEDDED 3" INTO STRUCTURE WALL.
   B. SPACED AT 16" CENTER TO CENTER.
   C. FIRST STEP LOCATED 8"-12" BELOW FRAME.
6. PRECAST PCC BENCH SHALL EXTEND TO CROWN AND SLOPE TO OUTSIDE WALL, SMOOTH FINISH.
7. SEE SANITARY TABLE FOR FURTHER REQUIREMENTS.



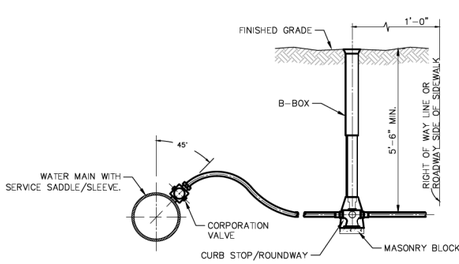
DIM	MIN. THICKNESS
48"	4"
60"	5"
72"	6"

03.15.2016

GEWALT HAMILTON ASSOCIATES, INC. — SANITARY MANHOLE

NOTES:

1. SEE UTILITY TABLE FOR MATERIAL REQUIREMENTS.
2. WEAVE SERVICE PIPE IN TRENCH TO ALLOW AT LEAST ONE (1) FOOT EXTRA LENGTH FOR ITS LENGTH.
3. ALL CONNECTIONS SHALL BE OF THE "FLARED" TYPE.



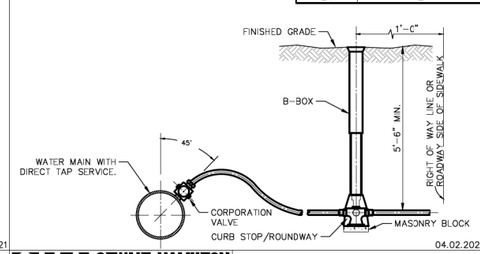
03.17.2021

GEWALT HAMILTON ASSOCIATES, INC. — WATER SERVICE SADDLE CONNECTION

NOTES:

1. SEE UTILITY TABLE FOR MATERIAL REQUIREMENTS.
2. WEAVE SERVICE PIPE IN TRENCH TO ALLOW AT LEAST ONE (1) FOOT EXTRA LENGTH FOR ITS LENGTH.
3. ALL CONNECTIONS SHALL BE OF THE "FLARED" TYPE.

WATER MAIN SIZE (IN)	DIP CL 52 PIPE MAXIMUM RECOMMENDED DIRECT TAP SIZE (IN)
3	¾
4	¾
6	1
8	1
10	1
12	1 ¼
14	1 ½
16	2
18	2
20	2
24	2

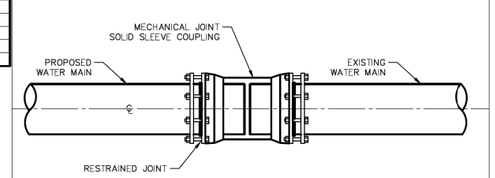


04.02.2021

GEWALT HAMILTON ASSOCIATES, INC. — WATER SERVICE

NOTES:

1. SEE WATER TABLE AND MANUFACTURERS SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. SWAB ALL CONNECTIONS WITH 2% HYPOCHLORITE SOLUTION

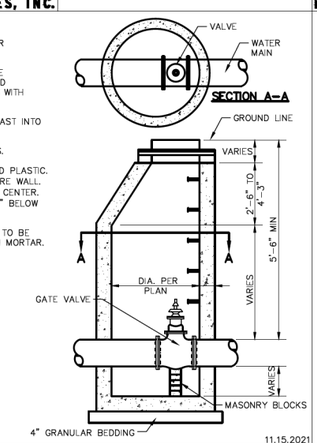


04.02.2021

GEWALT HAMILTON ASSOCIATES, INC. — SOLID SLEEVE CONNECTION TO EXISTING WATER MAIN

NOTES:

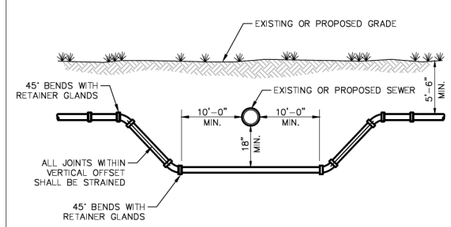
1. SEE WATER TABLE FOR FURTHER REQUIREMENTS.
2. PRECAST REINFORCED CONCRETE SECTIONS PER ASTM C-478 AND PREFORMED BITUMINOUS JOINTS WITH INTEGRAL PRECAST BOTTOMS.
3. PIPE OPENINGS SHALL BE PRECAST INTO WALLS.
4. I.D.O.T #602601 FOR FLAT TOPS.
5. STEPS TO BE STEEL REINFORCED PLASTIC.
   A. IMBEDDED 3" INTO STRUCTURE WALL.
   B. SPACED AT 16" CENTER TO CENTER.
   C. FIRST STEP LOCATED 8"-12" BELOW FRAME.
6. FINAL ADJUSTMENT TO FRAMES TO BE DONE WITH STEEL SHIMS SET IN MORTAR.



DIA	MIN. THICKNESS (t)
48"	4"
60"	5"
72"	6"

11.15.2021

GEWALT HAMILTON ASSOCIATES, INC. — ECCENTRIC VALVE VAULT



04.02.2021

GEWALT HAMILTON ASSOCIATES, INC. — HORIZONTAL WATER MAIN SEPARATION

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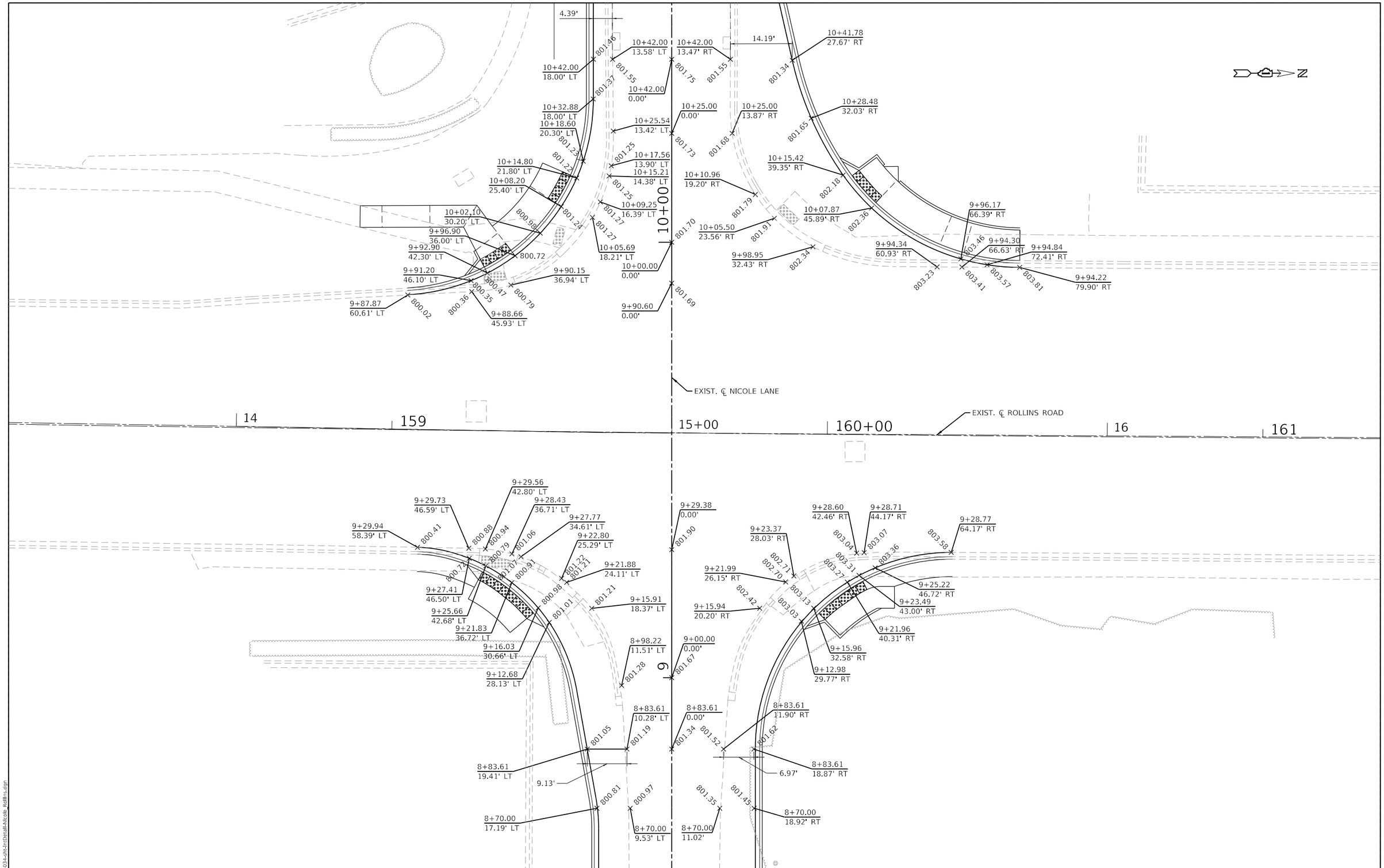
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY DETAILS
HOOK DRIVE AND NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	74
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		



GEWALT HAMILTON ASSOCIATES, INC.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING DETAIL
ROLLINS ROAD AT WOODBINE DRIVE/NICOLE LANE

SCALE: 1"=10' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	75
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	9+56.7	42.8' L	(801.03)
B	9+56.6	36.8' L	(801.25)
C	9+88.9	43.0' L	(800.50)
D	9+90.1	37.0' L	(800.78)
E	10+05.6	18.2' L	(801.27)
F	10+09.2	16.4' L	(801.27)
G	10+15.2	14.4' L	(801.25)
H	10+17.5	13.9' L	(801.25)
I	10+15.2	0.0' R	(801.62)
J	10+09.2	0.0' R	(801.60)
K	10+15.2	16.9' R	(801.79)
L	10+09.2	20.4' R	(801.91)
M	9+95.6	41.4' R	(802.72)
N	9+94.4	60.9' R	(803.23)
O	9+94.3	66.6' R	(803.41)

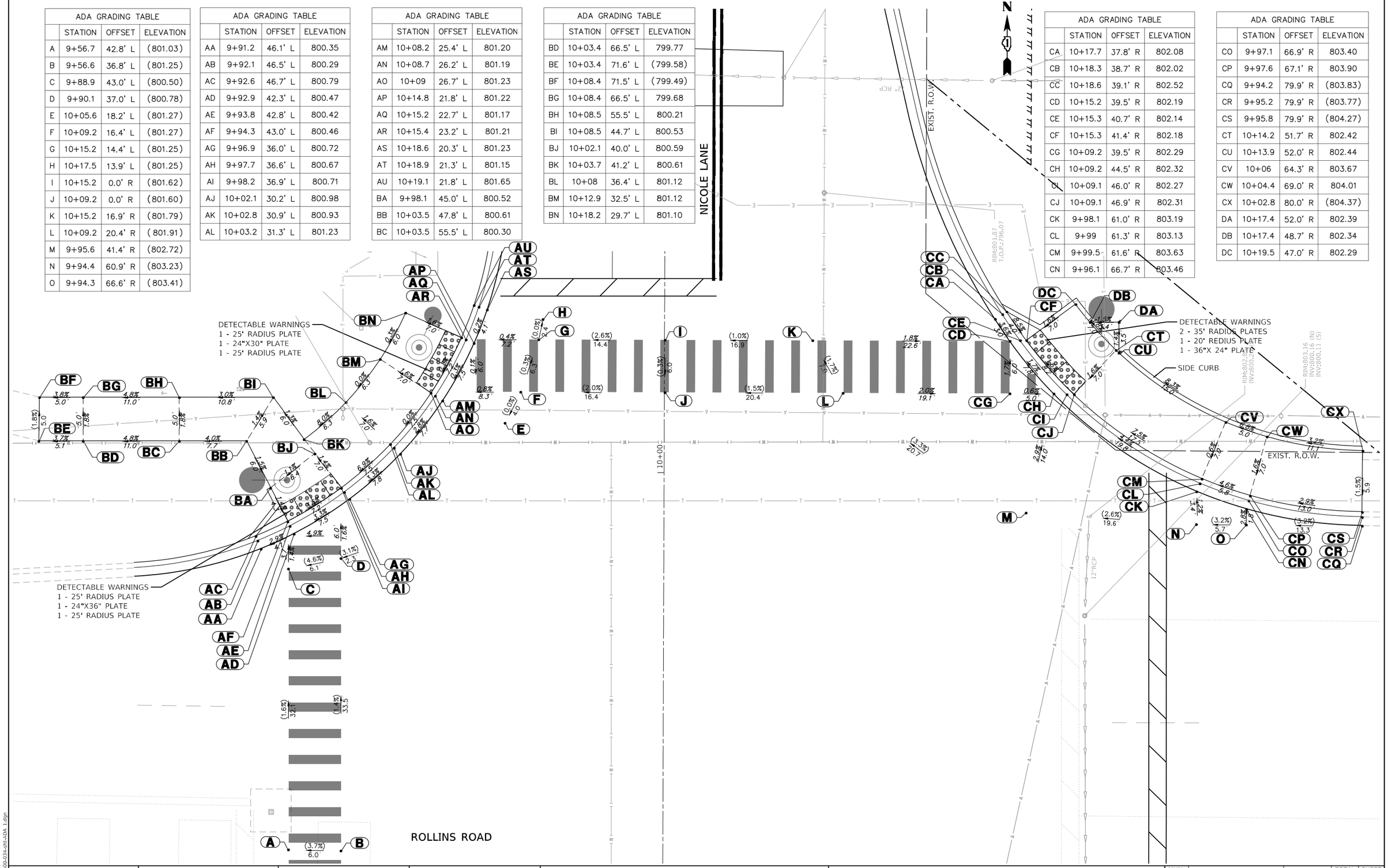
ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	9+91.2	46.1' L	800.35
AB	9+92.1	46.5' L	800.29
AC	9+92.6	46.7' L	800.79
AD	9+92.9	42.3' L	800.47
AE	9+93.8	42.8' L	800.42
AF	9+94.3	43.0' L	800.46
AG	9+96.9	36.0' L	800.72
AH	9+97.7	36.6' L	800.67
AI	9+98.2	36.9' L	800.71
AJ	10+02.1	30.2' L	800.98
AK	10+02.8	30.9' L	800.93
AL	10+03.2	31.3' L	801.23

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AM	10+08.2	25.4' L	801.20
AN	10+08.7	26.2' L	801.19
AO	10+09	26.7' L	801.23
AP	10+14.8	21.8' L	801.22
AQ	10+15.2	22.7' L	801.17
AR	10+15.4	23.2' L	801.21
AS	10+18.6	20.3' L	801.23
AT	10+18.9	21.3' L	801.15
AU	10+19.1	21.8' L	801.65
BA	9+98.1	45.0' L	800.52
BB	10+03.5	47.8' L	800.61
BC	10+03.5	55.5' L	800.30

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BD	10+03.4	66.5' L	799.77
BE	10+03.4	71.6' L	(799.58)
BF	10+08.4	71.5' L	(799.49)
BG	10+08.4	66.5' L	799.68
BH	10+08.5	55.5' L	800.21
BI	10+08.5	44.7' L	800.53
BJ	10+02.1	40.0' L	800.59
BK	10+03.7	41.2' L	800.61
BL	10+08	36.4' L	801.12
BM	10+12.9	32.5' L	801.12
BN	10+18.2	29.7' L	801.10

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	10+17.7	37.8' R	802.08
CB	10+18.3	38.7' R	802.02
CC	10+18.6	39.1' R	802.52
CD	10+15.2	39.5' R	802.19
CE	10+15.3	40.7' R	802.14
CF	10+15.3	41.4' R	802.18
CG	10+09.2	39.5' R	802.29
CH	10+09.2	44.5' R	802.32
CI	10+09.1	46.0' R	802.27
CJ	10+09.1	46.9' R	802.31
CK	9+98.1	61.0' R	803.19
CL	9+99	61.3' R	803.13
CM	9+99.5	61.6' R	803.63
CN	9+96.1	66.7' R	803.46

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CO	9+97.1	66.9' R	803.40
CP	9+97.6	67.1' R	803.90
CQ	9+94.2	79.9' R	(803.83)
CR	9+95.2	79.9' R	(803.77)
CS	9+95.8	79.9' R	(804.27)
CT	10+14.2	51.7' R	802.42
CU	10+13.9	52.0' R	802.44
CV	10+06	64.3' R	803.67
CW	10+04.4	69.0' R	804.01
CX	10+02.8	80.0' R	(804.37)
DA	10+17.4	52.0' R	802.39
DB	10+17.4	48.7' R	802.34
DC	10+19.5	47.0' R	802.29



GEWALT HAMILTON ASSOCIATES, INC.

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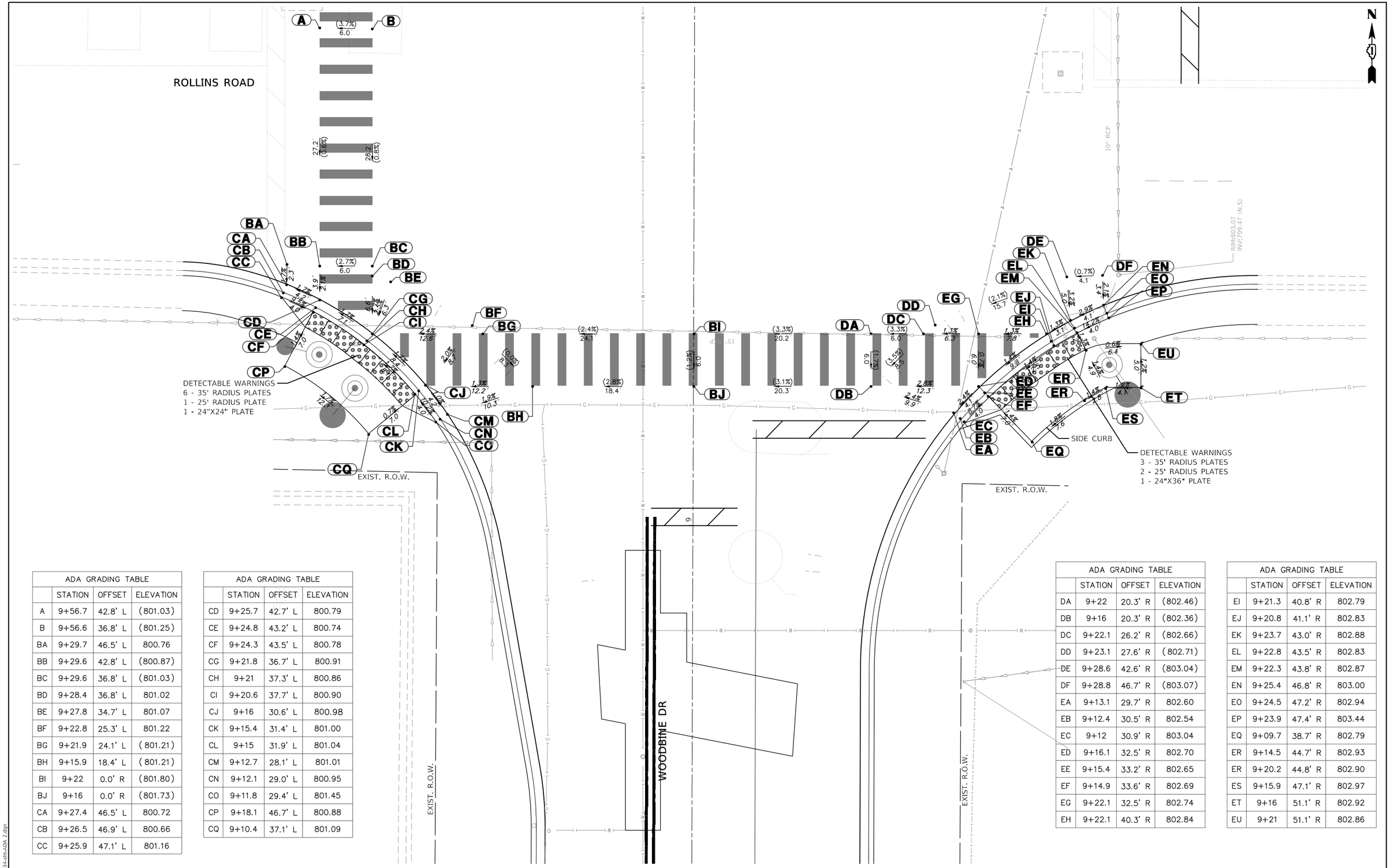
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAIL
ROLLINS ROAD AT NICOLE LANE

SCALE: 1"=5' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	76
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	9+56.7	42.8' L	(801.03)
B	9+56.6	36.8' L	(801.25)
BA	9+29.7	46.5' L	800.76
BB	9+29.6	42.8' L	(800.87)
BC	9+29.6	36.8' L	(801.03)
BD	9+28.4	36.8' L	801.02
BE	9+27.8	34.7' L	801.07
BF	9+22.8	25.3' L	801.22
BG	9+21.9	24.1' L	(801.21)
BH	9+15.9	18.4' L	(801.21)
BI	9+22	0.0' R	(801.80)
BJ	9+16	0.0' R	(801.73)
CA	9+27.4	46.5' L	800.72
CB	9+26.5	46.9' L	800.66
CC	9+25.9	47.1' L	801.16

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CD	9+25.7	42.7' L	800.79
CE	9+24.8	43.2' L	800.74
CF	9+24.3	43.5' L	800.78
CG	9+21.8	36.7' L	800.91
CH	9+21	37.3' L	800.86
CI	9+20.6	37.7' L	800.90
CJ	9+16	30.6' L	800.98
CK	9+15.4	31.4' L	801.00
CL	9+15	31.9' L	801.04
CM	9+12.7	28.1' L	801.01
CN	9+12.1	29.0' L	800.95
CO	9+11.8	29.4' L	801.45
CP	9+18.1	46.7' L	800.88
CQ	9+10.4	37.1' L	801.09

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
DA	9+22	20.3' R	(802.46)
DB	9+16	20.3' R	(802.36)
DC	9+22.1	26.2' R	(802.66)
DD	9+23.1	27.6' R	(802.71)
DE	9+28.6	42.6' R	(803.04)
DF	9+28.8	46.7' R	(803.07)
EA	9+13.1	29.7' R	802.60
EB	9+12.4	30.5' R	802.54
EC	9+12	30.9' R	803.04
ED	9+16.1	32.5' R	802.70
EE	9+15.4	33.2' R	802.65
EF	9+14.9	33.6' R	802.69
EG	9+22.1	32.5' R	802.74
EH	9+22.1	40.3' R	802.84

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
EI	9+21.3	40.8' R	802.79
EJ	9+20.8	41.1' R	802.83
EK	9+23.7	43.0' R	802.88
EL	9+22.8	43.5' R	802.83
EM	9+22.3	43.8' R	802.87
EN	9+25.4	46.8' R	803.00
EO	9+24.5	47.2' R	802.94
EP	9+23.9	47.4' R	803.44
EQ	9+09.7	38.7' R	802.79
ER	9+14.5	44.7' R	802.93
ER	9+20.2	44.8' R	802.90
ES	9+15.9	47.1' R	802.97
ET	9+16	51.1' R	802.92
EU	9+21	51.1' R	802.86

GEWALT HAMILTON ASSOCIATES, INC.

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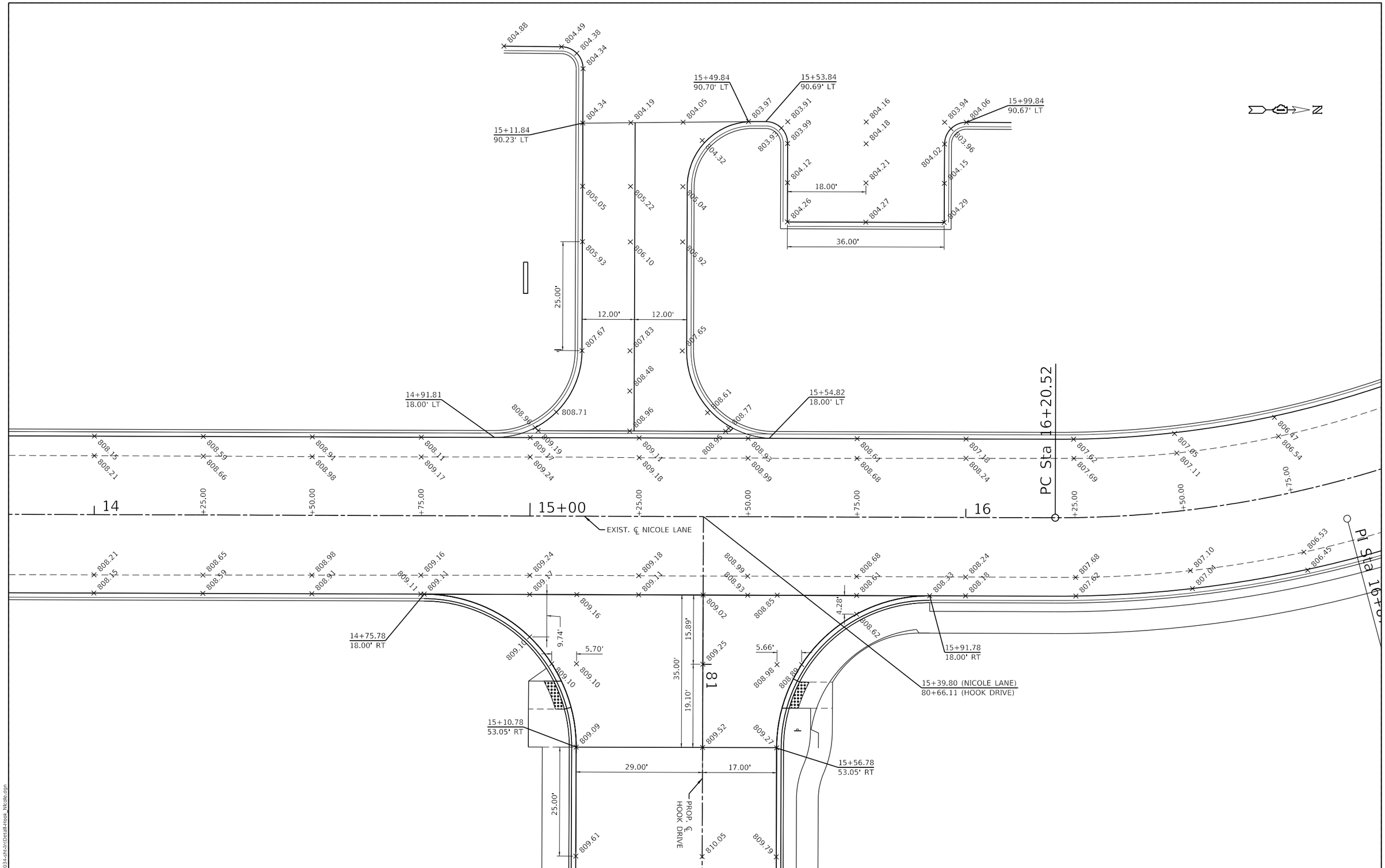
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAIL
ROLLINS ROAD AT WOODBINE DRIVE

SCALE: 1"=5' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1120	17-00080-00-PV	LAKE	150	77
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		



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		DRAWN - PJS	REVISED -			1120	17-00080-00-PV	LAKE	150 / 78
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	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -		SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

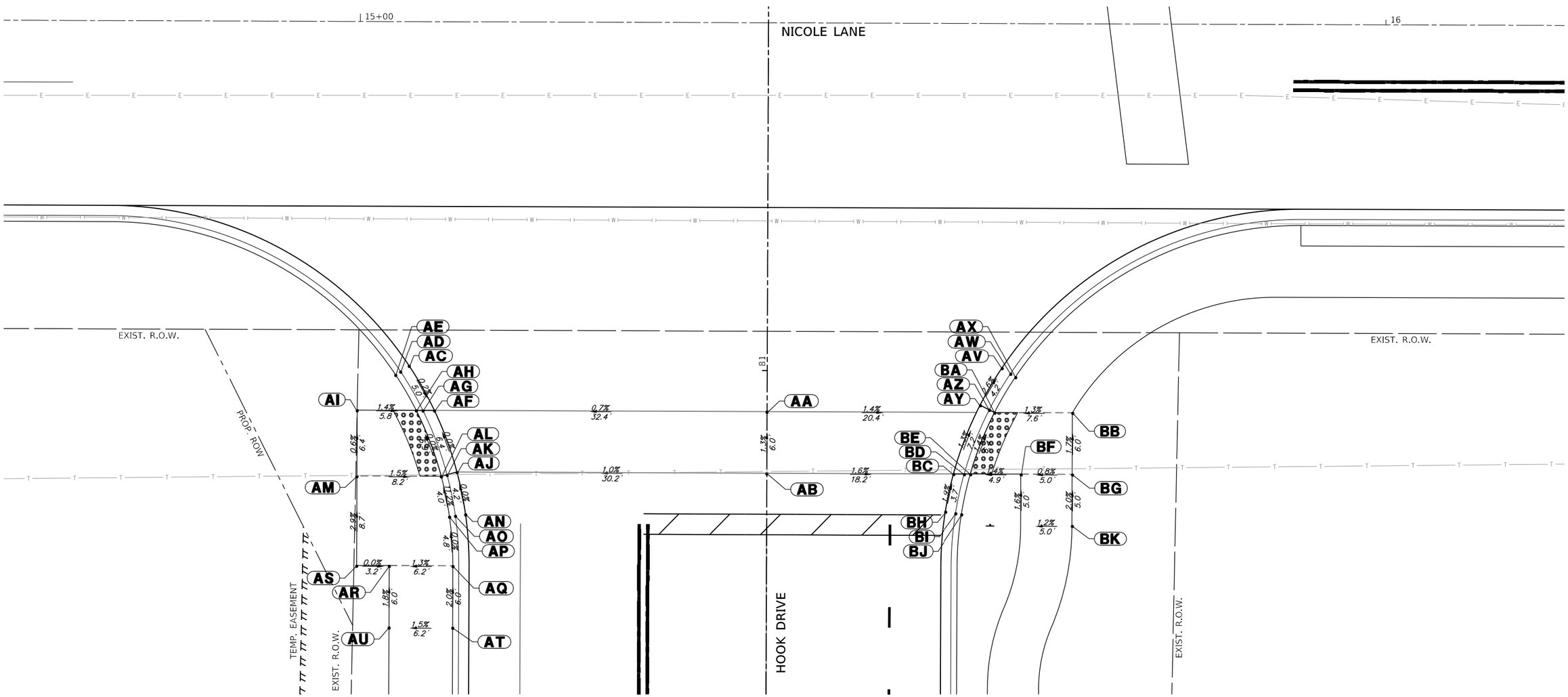
GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-IntDetail-Hook_Nicole.dgn

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	81+04	0.0'	809.31
AB	81+10	0.0'	809.39
AC	80+99.7	34.9' R	809.10
AD	81+00.2	35.7' R	809.04
AE	81+00.5	36.2' R	809.54
AF	81+04	32.4' R	809.09
AG	81+04	33.6' R	809.04
AH	81+04	34.2' R	809.08
AI	81+04	40.0' R	809.16
AJ	81+10	30.2' R	809.09
AK	81+10.3	31.2' R	809.04
AL	81+10.4	31.7' R	809.08
AM	81+10.4	40.0' R	809.20

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AN	81+14.1	29.4' R	809.09
AO	81+14.2	30.4' R	809.03
AP	81+14.3	30.9' R	809.53
AQ	81+19.1	30.6' R	809.53
AR	81+19.1	36.8' R	809.45
AS	81+19.1	40.0' R	809.45
AT	81+25.1	30.6' R	809.65
AU	81+25.1	36.8' R	809.56
AV	80+99.7	22.9' L	808.90
AW	81+00.2	23.7' L	0.00
AX	81+00.5	24.2' L	809.34
AY	81+03.3	20.8' L	809.01
AZ	81+03.7	21.7' L	808.96

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	81+04	22.2' L	809.00
BB	81+04	29.8' L	809.10
BC	81+10	18.2' L	809.10
BD	81+10	19.2' L	809.05
BE	81+10	19.8' L	809.09
BF	81+10	24.8' L	809.16
BG	81+10	29.8' L	809.20
BH	81+13.7	17.4' L	809.17
BI	81+13.8	18.4' L	809.11
BJ	81+13.9	19.0' L	809.61
BK	81+15	29.8' L	809.30



FILE NAME = 4600-034-sht-ADA 3.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
Default	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

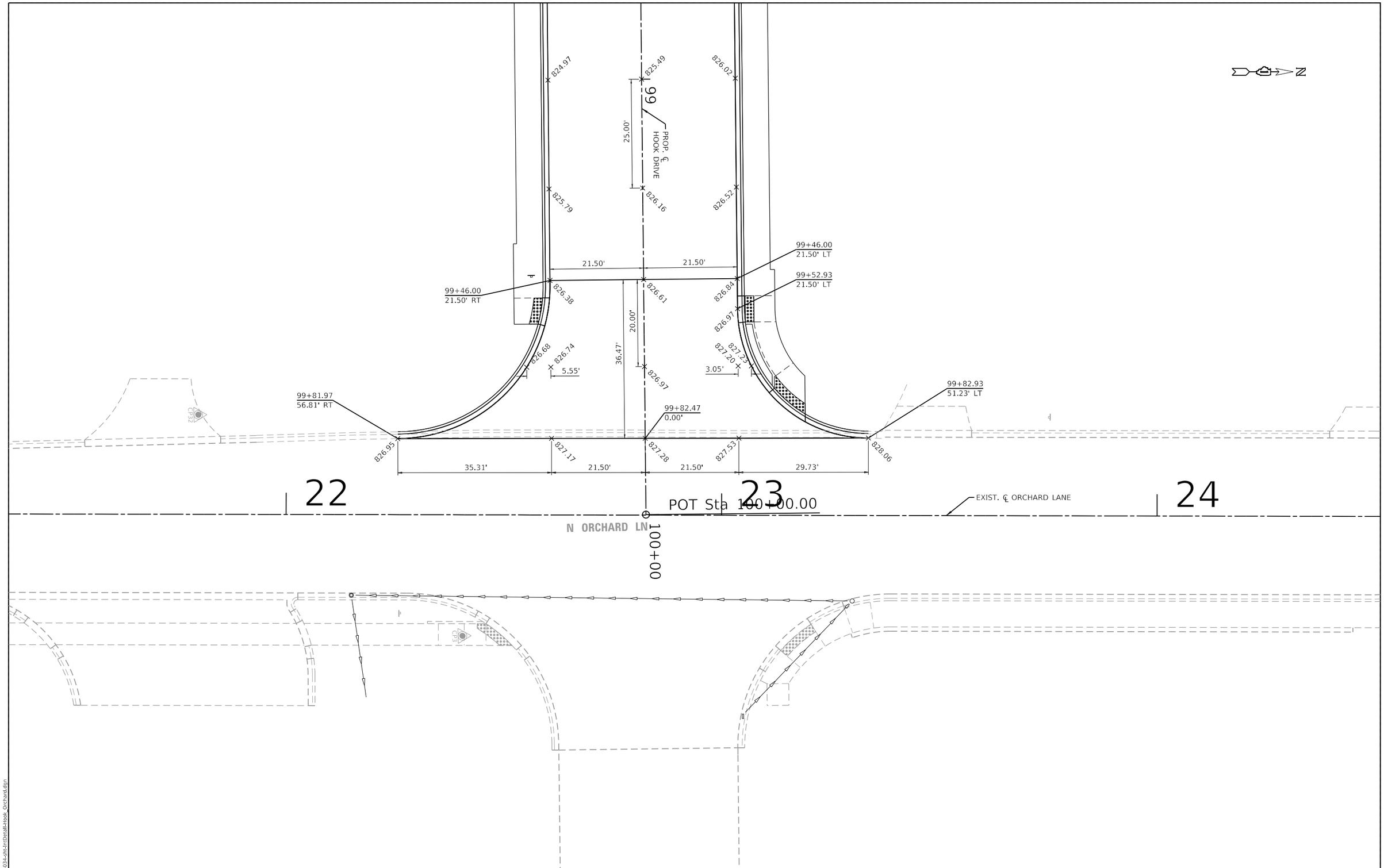
ADA GRADING DETAIL
HOOK DRIVE AT NICOLE LANE

SCALE: 1"=5' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	79
		CONTRACT NO. 61J86		
	ILLINOIS	FED. AID PROJECT		

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-ADA 3.dgn



FILE NAME = 4600-034-sht-IntDetail-Hook_Orchard.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:20	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING DETAIL
HOOK DRIVE AT ORCHARD LANE

SCALE: 1"=10' | SHEET OF SHEETS | STA. TO STA.

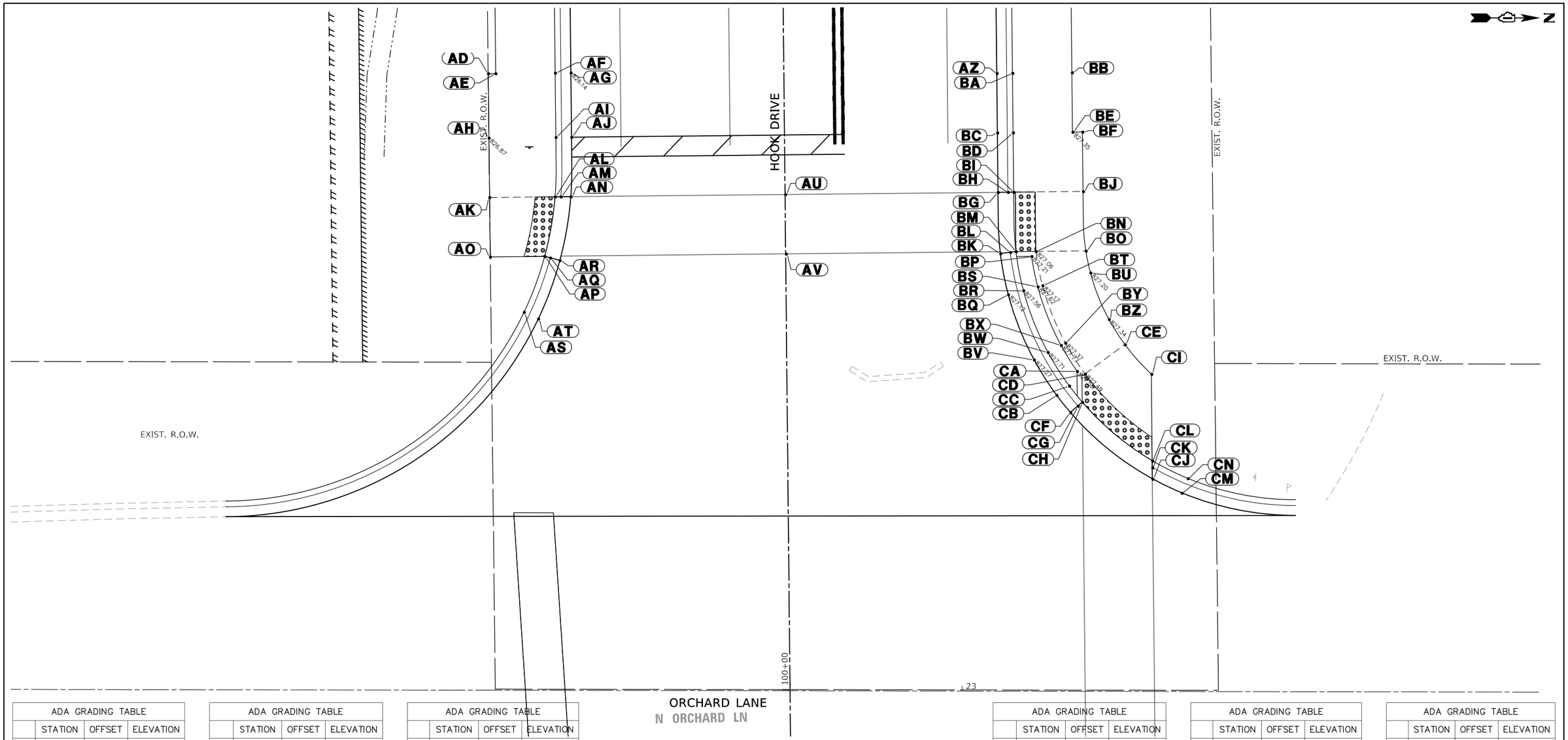
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	80

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-IntDetail-Hook_Orchard.dgn



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	99+31.5	29.1' R	826.50
AB	99+31.5	23.1' R	826.41
AC	99+31.5	21.5' R	825.97
AD	99+37.5	29.8' R	826.68
AE	99+37.5	29.1' R	826.68
AF	99+37.5	23.1' R	826.58
AG	99+37.5	21.5' R	826.14
AH	99+44	29.8' R	826.87
AI	99+44	23.1' R	826.77
AJ	99+44	21.5' R	826.33
AK	99+50	29.8' R	826.54
AL	99+50	23.2' R	826.45
AM	99+50	22.6' R	826.41

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AN	99+50	21.6' R	826.46
AO	99+56	29.8' R	826.62
AP	99+56	24.3' R	826.55
AQ	99+56.2	23.8' R	826.51
AR	99+56.4	22.8' R	826.56
AS	99+61.6	26.5' R	827.08
AT	99+62.3	25.0' R	826.64
AU	99+50	0.0'	826.69
AV	99+56	0.0'	826.80
AW	99+32	21.5' L	826.64
AX	99+32	23.1' L	827.08
AY	99+32	29.1' L	827.17
AZ	99+38	21.5' L	826.73

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	99+38	23.1' L	827.17
BB	99+38	29.1' L	827.26
BC	99+44	21.5' L	826.81
BD	99+44	23.1' L	827.25
BE	99+44	29.1' L	827.35
BF	99+44	30.1' L	827.35
BG	99+50	21.5' L	826.93
BH	99+50	22.5' L	826.88
BI	99+50	23.1' L	826.92
BJ	99+50	30.1' L	827.02
BK	99+56.2	21.7' L	827.04
BL	99+56.1	22.7' L	826.99
BM	99+56	23.2' L	827.03

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BN	99+56	25.3' L	827.06
BO	99+56	30.3' L	827.13
BP	99+56.5	24.8' L	827.21
BQ	99+60.3	22.4' L	827.12
BR	99+59.9	24.0' L	827.56
BS	99+59.6	25.4' L	827.62
BT	99+59.4	25.9' L	827.17
BU	99+58.2	30.7' L	827.20
BV	99+66.9	25.0' L	827.27
BW	99+66.2	26.4' L	827.71
BX	99+65.5	27.7' L	827.77
BY	99+65.3	28.1' L	827.37
BZ	99+62.9	32.6' L	827.34

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	99+68.1	29.3' L	827.50
CB	99+70.5	27.2' L	827.36
CC	99+69.6	28.5' L	827.35
CD	99+68.4	30.1' L	827.49
CE	99+65.5	34.2' L	827.43
CF	99+72.3	28.6' L	827.46
CG	99+71.6	29.3' L	827.41
CH	99+71.3	29.8' L	827.45
CI	99+68.5	36.8' L	827.49
CJ	99+79.1	36.8' L	827.63
CK	99+77.9	36.8' L	827.58
CL	99+77.2	36.8' L	827.62
CM	99+80.5	39.7' L	827.68

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CN	99+79.1	40.3' L	828.12

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: Default
FILE NAME: 4600-034-sht-ADA 4.dgn

FILE NAME = 4600-034-sht-ADA 4.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
Default	PLOT SCALE = 1:10	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

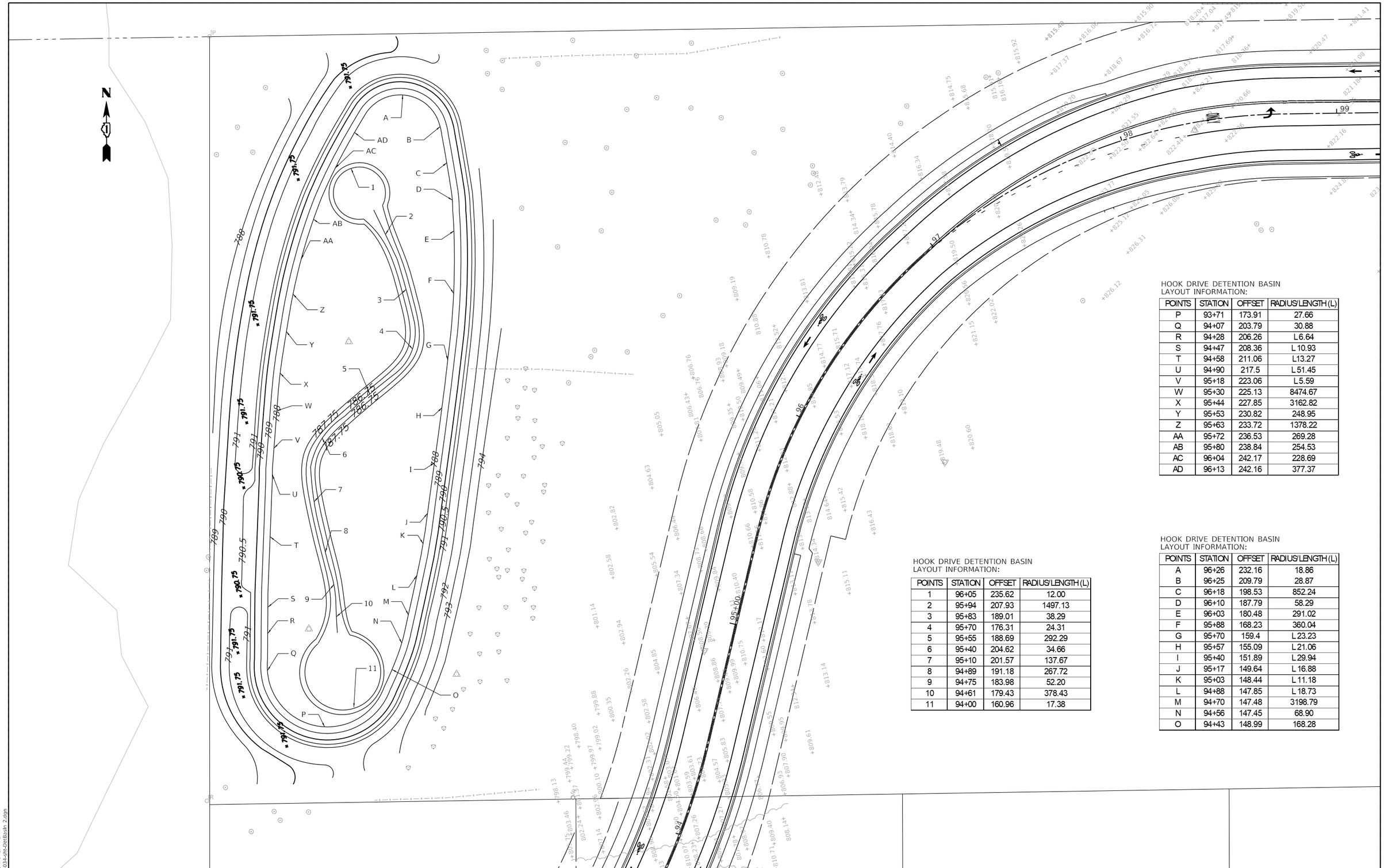
ADA GRADING DETAIL
HOOK DRIVE AT ORCHARD LANE

SCALE: 1"=5' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	81

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



HOOK DRIVE DETENTION BASIN
LAYOUT INFORMATION:

POINTS	STATION	OFFSET	RADIUS/LENGTH (L)
P	93+71	173.91	27.66
Q	94+07	203.79	30.88
R	94+28	206.26	L 6.64
S	94+47	208.36	L 10.93
T	94+58	211.06	L 13.27
U	94+90	217.5	L 51.45
V	95+18	223.06	L 5.59
W	95+30	225.13	8474.67
X	95+44	227.85	3162.82
Y	95+53	230.82	248.95
Z	95+63	233.72	1378.22
AA	95+72	236.53	269.28
AB	95+80	238.84	254.53
AC	96+04	242.17	228.69
AD	96+13	242.16	377.37

HOOK DRIVE DETENTION BASIN
LAYOUT INFORMATION:

POINTS	STATION	OFFSET	RADIUS/LENGTH (L)
1	96+05	235.62	12.00
2	95+94	207.93	1497.13
3	95+83	189.01	38.29
4	95+70	176.31	24.31
5	95+55	188.69	292.29
6	95+40	204.62	34.66
7	95+10	201.57	137.67
8	94+89	191.18	267.72
9	94+75	183.98	52.20
10	94+61	179.43	378.43
11	94+00	160.96	17.38

HOOK DRIVE DETENTION BASIN
LAYOUT INFORMATION:

POINTS	STATION	OFFSET	RADIUS/LENGTH (L)
A	96+26	232.16	18.86
B	96+25	209.79	28.87
C	96+18	198.53	852.24
D	96+10	187.79	58.29
E	96+03	180.48	291.02
F	95+88	168.23	360.04
G	95+70	159.4	L 23.23
H	95+57	155.09	L 21.06
I	95+40	151.89	L 29.94
J	95+17	149.64	L 16.88
K	95+03	148.44	L 11.18
L	94+88	147.85	L 18.73
M	94+70	147.48	3198.79
N	94+56	147.45	68.90
O	94+43	148.99	168.28

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: DETENTION BASIN PLAN
FILE NAME: 4600-034-sht-DetBasin 2.dgn

FILE NAME = 4600-034-sht-DetBasin 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
DETENTION BASIN PLAN	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

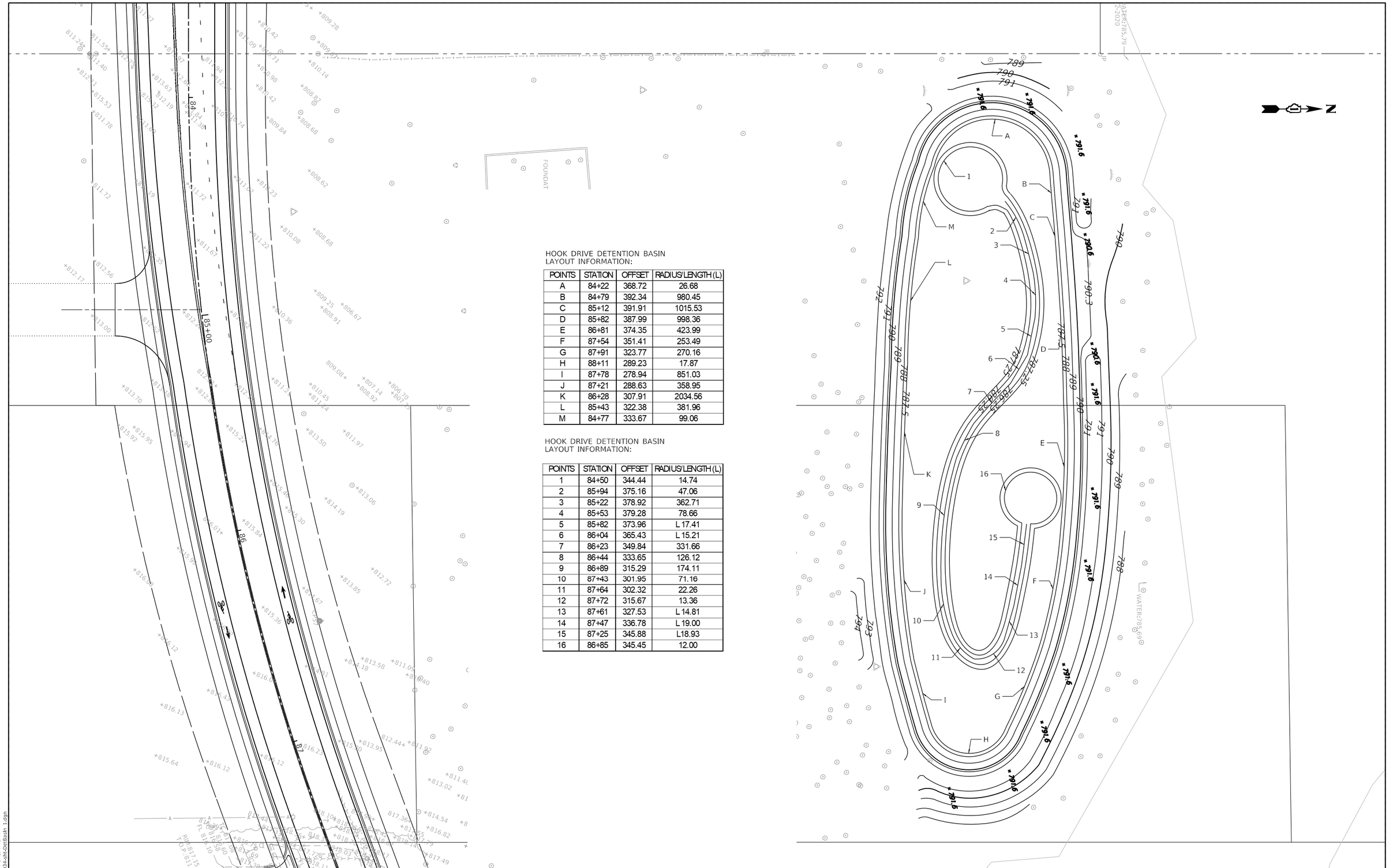
EAST DETENTION BASIN GRADING PLAN
HOOK DRIVE

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	83

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT



HOOK DRIVE DETENTION BASIN
LAYOUT INFORMATION:

POINTS	STATION	OFFSET	RADIUS/LENGTH (L)
A	84+22	368.72	26.68
B	84+79	392.34	980.45
C	85+12	391.91	1015.53
D	85+82	387.99	998.36
E	86+81	374.35	423.99
F	87+54	351.41	253.49
G	87+91	323.77	270.16
H	88+11	289.23	17.87
I	87+78	278.94	851.03
J	87+21	288.63	358.95
K	86+28	307.91	2034.56
L	85+43	322.38	381.96
M	84+77	333.67	99.06

HOOK DRIVE DETENTION BASIN
LAYOUT INFORMATION:

POINTS	STATION	OFFSET	RADIUS/LENGTH (L)
1	84+50	344.44	14.74
2	85+94	375.16	47.06
3	85+22	378.92	362.71
4	85+53	379.28	78.66
5	85+82	373.96	L 17.41
6	86+04	365.43	L 15.21
7	86+23	349.84	331.66
8	86+44	333.65	126.12
9	86+89	315.29	174.11
10	87+43	301.95	71.16
11	87+64	302.32	22.26
12	87+72	315.67	13.36
13	87+61	327.53	L 14.81
14	87+47	336.78	L 19.00
15	87+25	345.88	L18.93
16	86+85	345.45	12.00

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: DETENTION BASIN PLAN
FILE NAME: 4600-034-sht-DetBasin 1.dgn

FILE NAME = 4600-034-sht-DetBasin 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
DETENTION BASIN PLAN	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST DETENTION BASIN GRADING PLAN
HOOK DRIVE

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	82

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

SEE SHEET 88
MATCHLINE STA. 16+50.00

TEMP. EASEMENT
6" WHITE
6" WHITE (TYP)
ASPHALT
TEMP. EASEMENT
TEMP. EASEMENT
SIGN
TEMP. EASEMENT
24" WHITE
STOP
R1-1 36"x36"
4" DBL YELLOW (11" C-C)
TEMP. EASEMENT

4" DBL YELLOW (11" C-C)
BEGIN IMPROVEMENT, HOOK DRIVE, STA. 80+84.09
D3-1 VARIES"x12"
D3-1 VAIRES"x12"
STOP
R1-1 36"x36"
RELOCATED SIGN PANEL ASSEMBLY - TYPE A "BIKE LANE ENDS"
WHITE LETTERS AND SYMBOLS (TYP)
15+91.00
6.00' RT
EXIST. ℄ NICOLE LN.
15+22.82
36.98' LT
15+00
14+71.98
6.00' LT
6" WHITE
6" WHITE
6" WHITE
6' SKIP/2' DASH
115' STORAGE
PROP. ℄ HOOK DR.
25:1 TAPER
24" WHITE
4" DBL YELLOW (11" C-C)
81+15.00
12.00' RT
82+30.00
12.00' RT
6" WHITE
RELOCATED SIGN PANEL ASSEMBLY - TYPE A "BIKE LANE BEGINS"
SPEED LIMIT 25
R2-1 24"x30"
85+28.92
12.00' LT
85+00
MATCHLINE STA. 85+50.00

MATCHLINE STA. 14+50.00
SEE SHEET 88

48" HIGH WIRE FENCE
MATCHLINE STA. 85+50.00
CP57
4" DBL YELLOW (11" C-C)
6" WHITE
PROP. ℄ HOOK DR.
6" WHITE
WHITE SYMBOLS (TYP)
GRAVEL
CP56
ASPHALT
CONTROL VALVE
CONC
CP73
GRAVEL
R3-17 24"x18"
R3-17 24"x18"
CP90
NAIL
ACRE CT
90+00
MATCHLINE STA. 91+00

LEGEND

SIGN PANEL - TYPE 1
TELESCOPING STEEL SIGN SUPPORT

GEWALT HAMILTON ASSOCIATES, INC.
MODEL: PAVEMENT MARKINGS
FILE NAME: 4600-034-sht-PMK-Hook 1.dgn

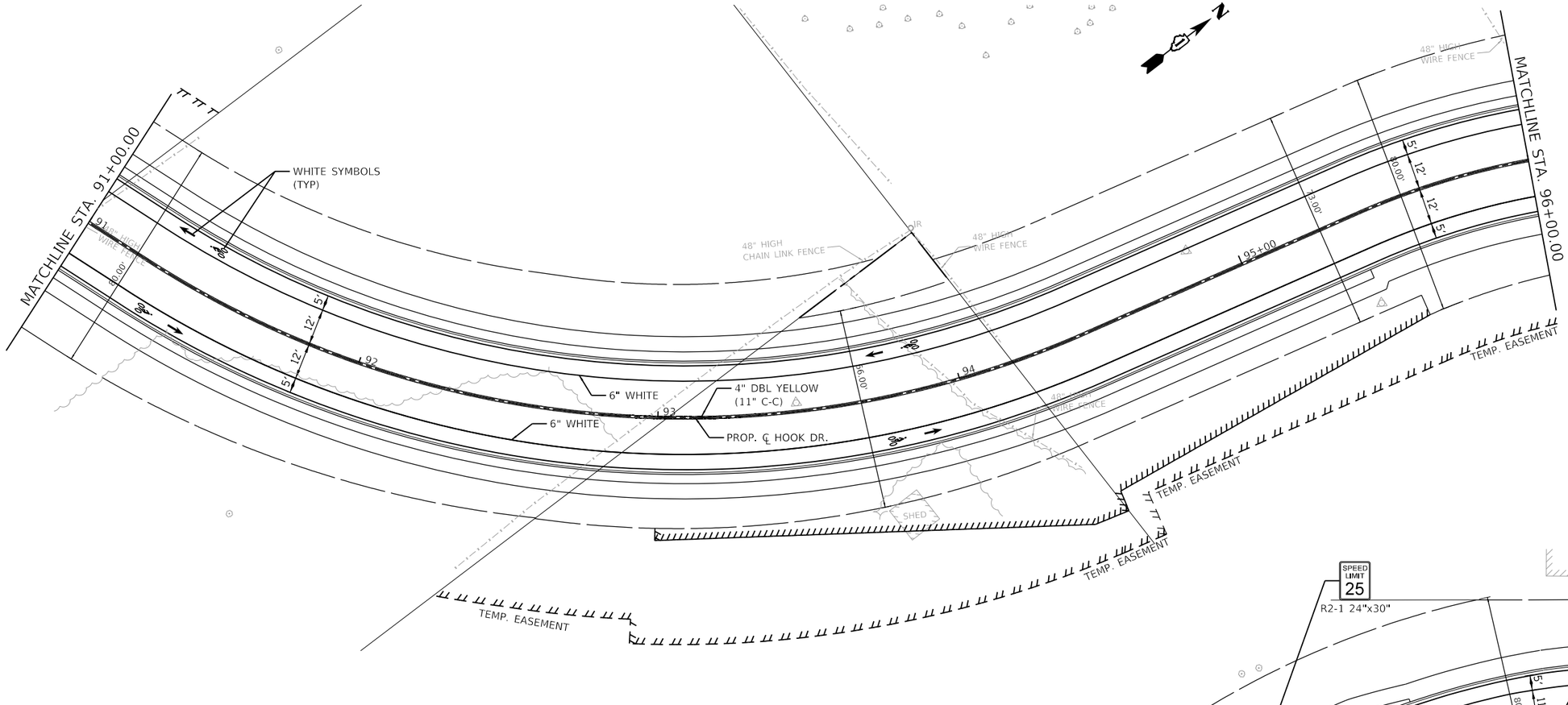
FILE NAME = 4600-034-sht-PMK-Hook 1.dgn 4600.054 PAVEMENT MARKINGS	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

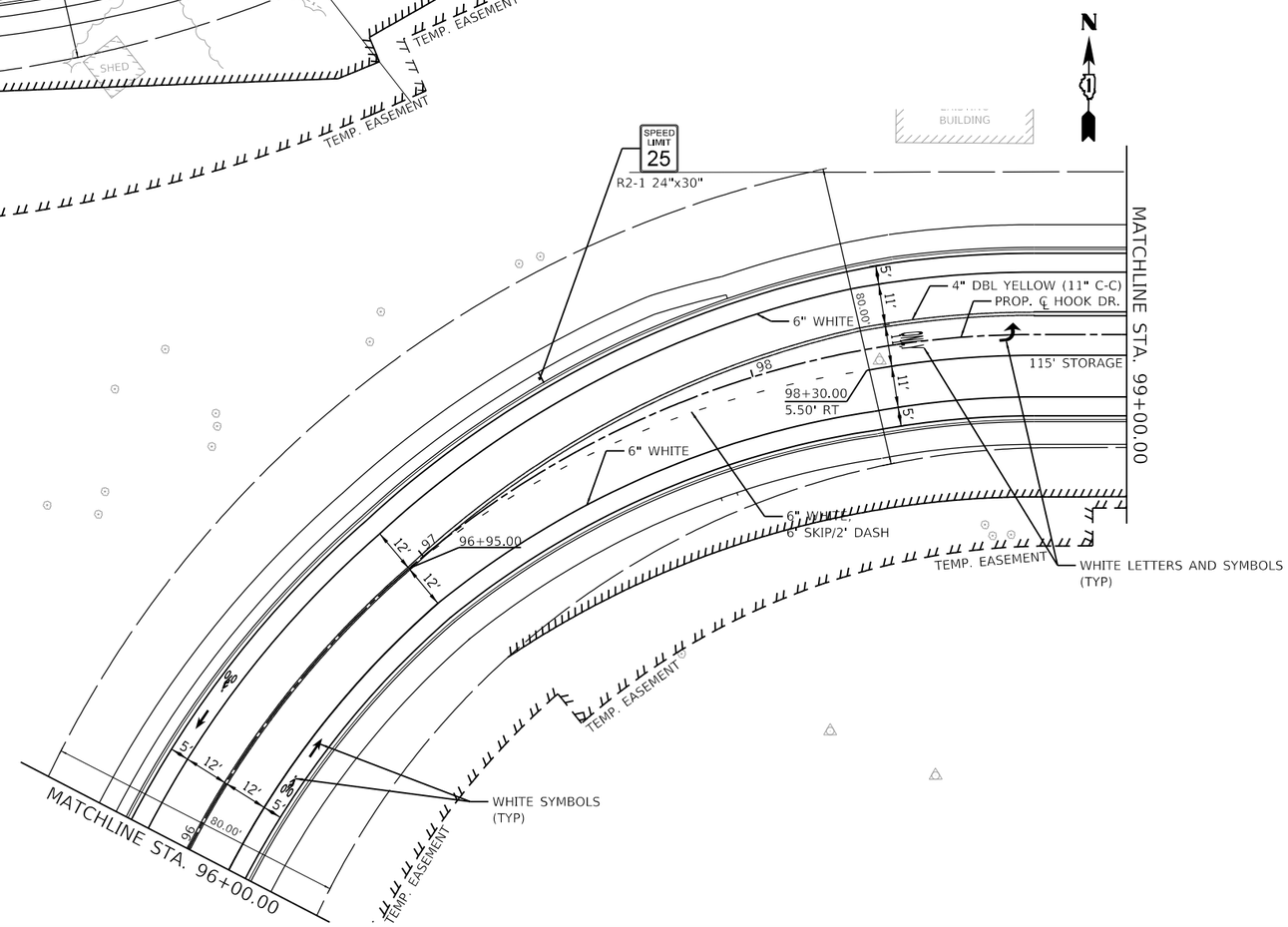
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 81+34 TO STA. 91+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	84
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	





LEGEND

SIGN PANEL - TYPE 1
TELESCOPING STEEL SIGN SUPPORT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PAVEMENT MARKINGS
FILE NAME: 4600-034-sht-PMK-Hook 2.dgn

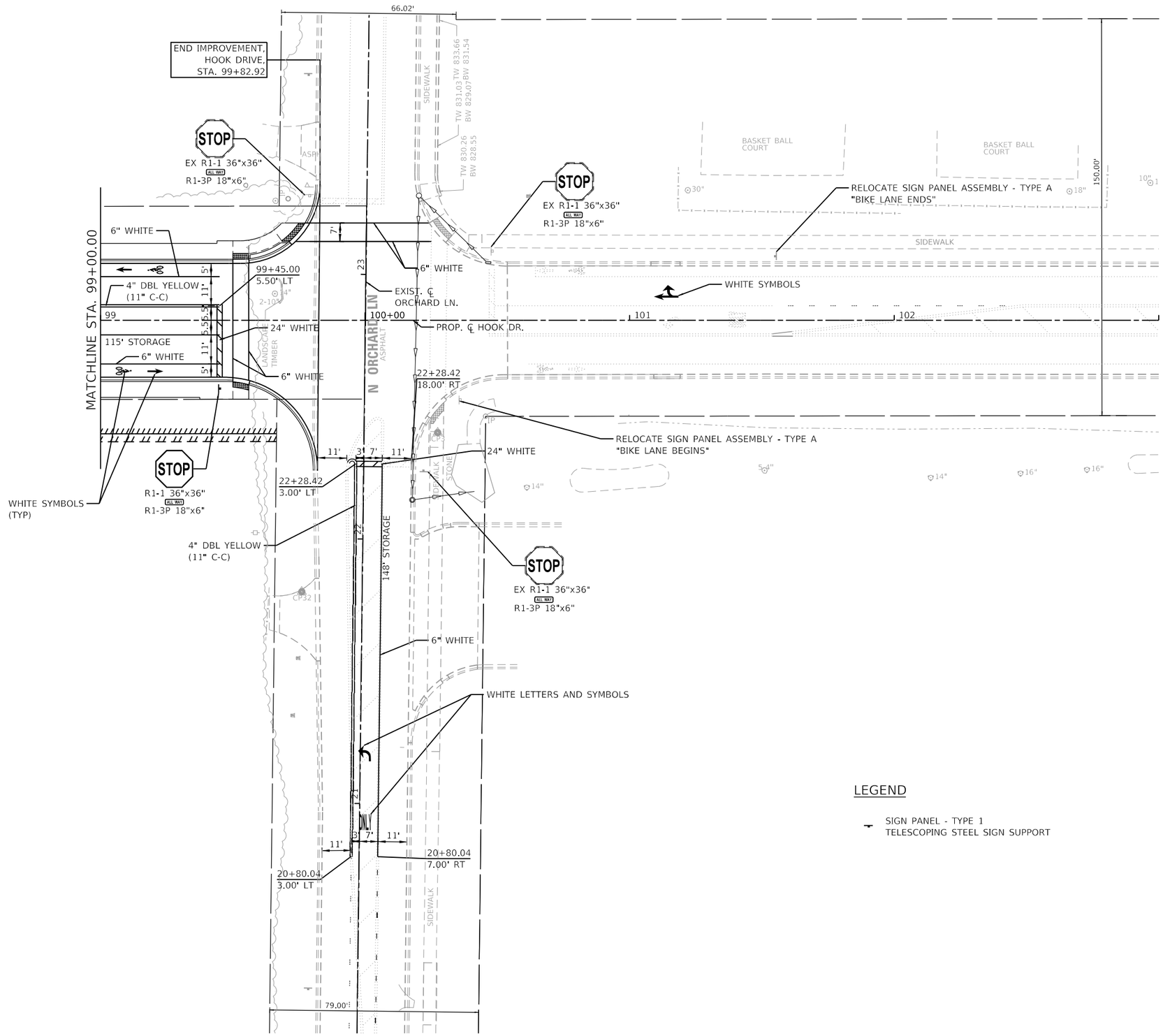
FILE NAME = 4600-034-sht-PMK-Hook 2.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
		DRAWN - PJS	REVISED -
4600.054	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
PAVEMENT MARKINGS	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
HOOK DRIVE

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 91+00 TO STA. 96+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	85
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	



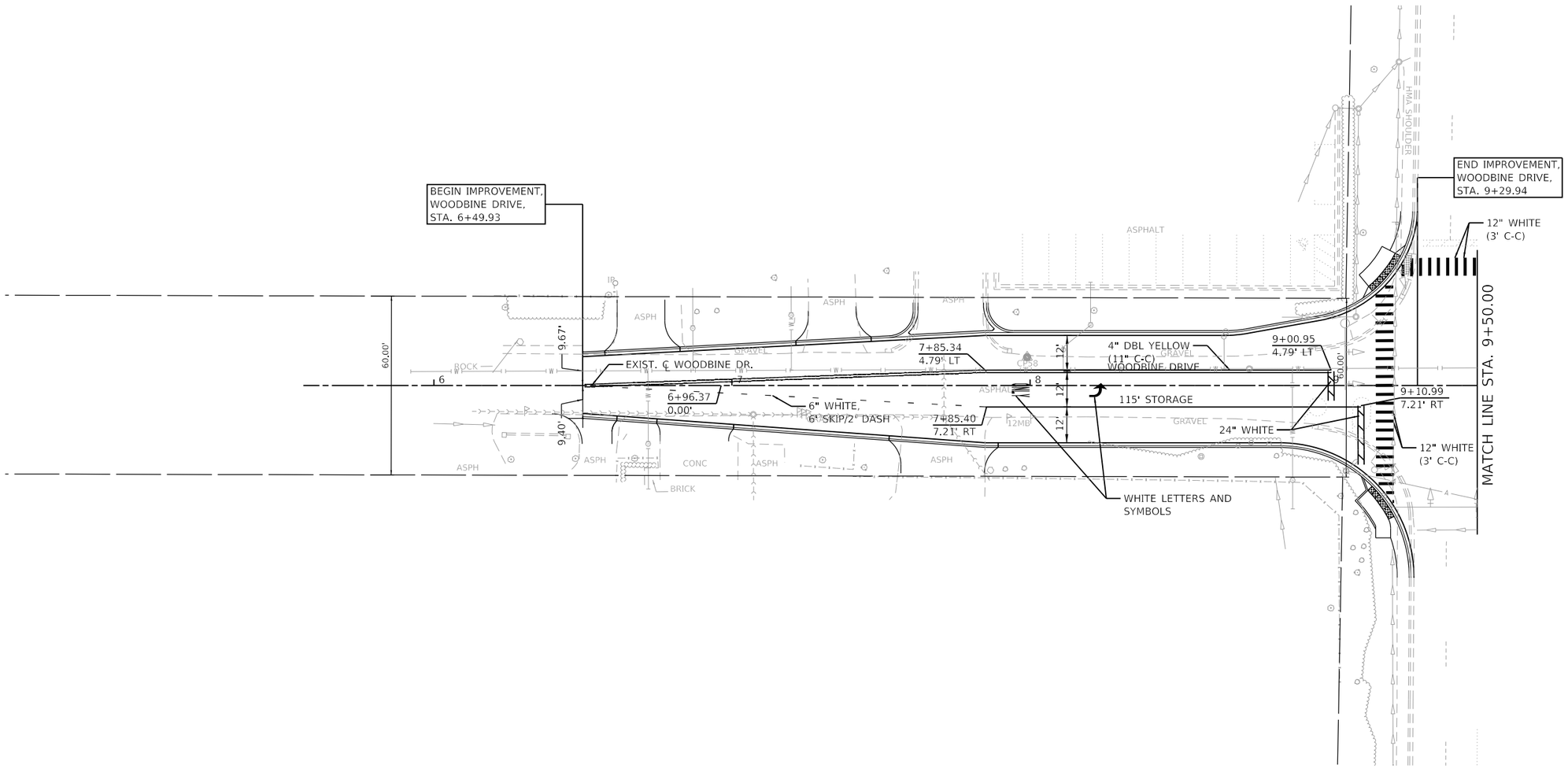
LEGEND

SIGN PANEL - TYPE 1
TELESCOPING STEEL SIGN SUPPORT

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PAVEMENT MARKINGS
FILE NAME: 4600-034-sht-PMK-Hook 3.dgn

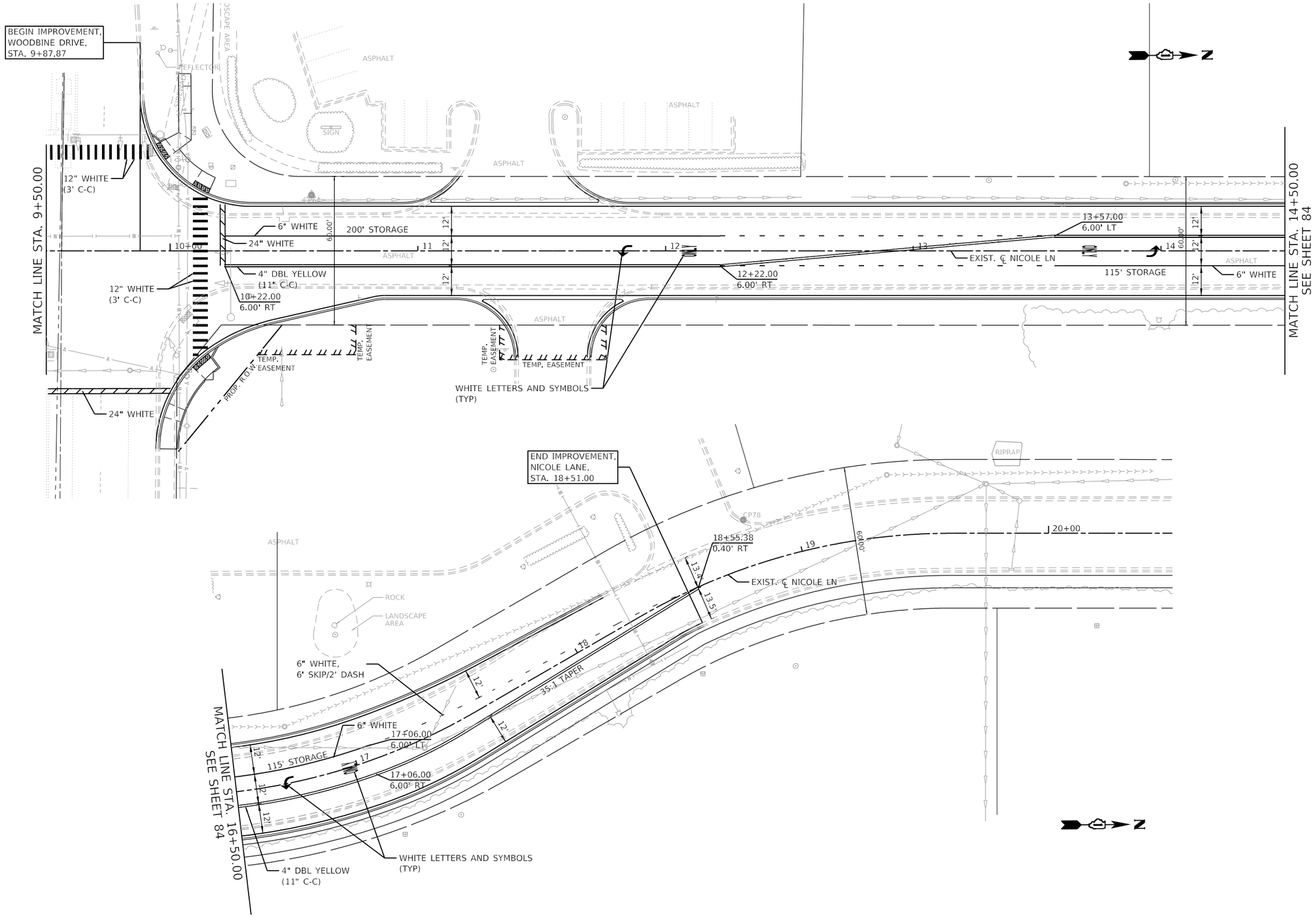
FILE NAME = 4600-034-sht-PMK-Hook 3.dgn	USER NAME = mvasak	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN HOOK DRIVE			MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - PJS	REVISED -					1061	17-00080-00-PV	LAKE	150	86
	PLOT SCALE = 1:40.0007	CHECKED - MJV	REVISED -							CONTRACT NO. 61J86		
PAVEMENT MARKINGS	PLOT DATE = 5/14/2025	DATE - 5/14/2025	REVISED -		SCALE:1"=20'	SHEET 4 OF 7 SHEETS	STA. 96+00 TO STA. 100+00			ILLINOIS FED. AID PROJECT		



FILE NAME = 4600-034-sht-PMK-Woodbine.dgn 4600.054 PAVEMENT MARKINGS	USER NAME = zwallsten	DESIGNED - MJV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - PJS	REVISED -		WOODBINE DRIVE	1120	17-00080-00-PV	LAKE	150 / 87
	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -					CONTRACT NO. 61J86	
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -		SCALE: 1"=20' / SHEET 5 OF 7 SHEETS / STA. 6+50 TO STA. 9+50		ILLINOIS	FED. AID PROJECT	

GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PAVEMENT MARKINGS
FILE NAME: 4600-034-sht-PMK-Woodbine.dgn



GEWALT HAMILTON ASSOCIATES, INC.

MODEL: PAVEMENT MARKINGS
FILE NAME: 4600-034-sht-PMK-Nicole 1.dgn

FILE NAME = 4600-034-sht-PMK-Nicole 1.dgn	USER NAME = zwallsten	DESIGNED - MJV	REVISED -
4600.054		DRAWN - PJS	REVISED -
PAVEMENT MARKINGS	PLOT SCALE = 1:40	CHECKED - MJV	REVISED -
	PLOT DATE = 4/11/2025	DATE - 4/10/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
NICOLE LANE

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 9+50 TO STA. 21+41

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0050	17-00080-00-PV	LAKE	150	88

CONTRACT NO. 61J86

ILLINOIS | FED. AID PROJECT

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I	I	I
PREFORMED DETECTOR LOOP	P	P P
SAMPLING (SYSTEM) DETECTOR	S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P	R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P RB	R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO. 1

MODEL: IDOT D1 STANDARD TS05a
FILE NAME: IDOT-StdDetails.dgn

FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05a	USER NAME = zwallsten	DESIGNED - IP	REVISED -
		DRAWN - IP	REVISED -
	PLOT SCALE = 1:2	CHECKED - LP	REVISED -
	PLOT DATE = 4/11/2025	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	89
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

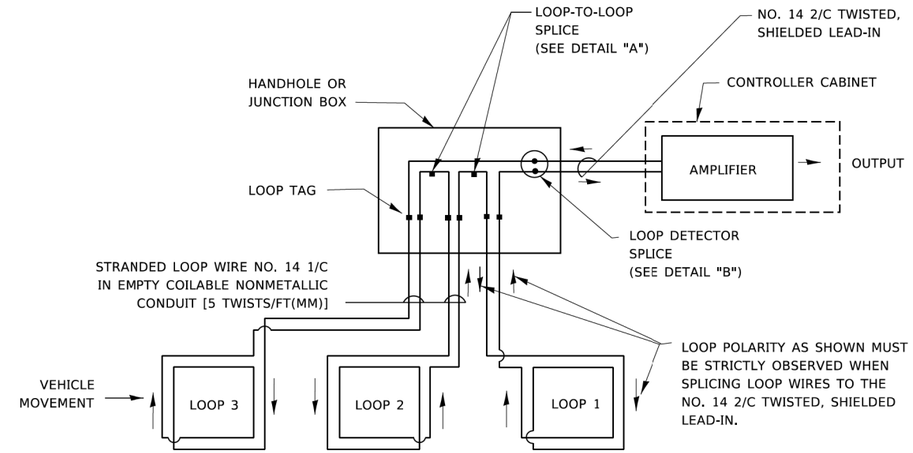
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

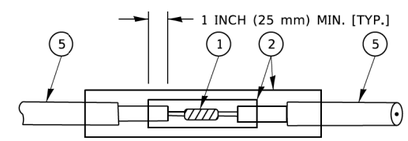
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

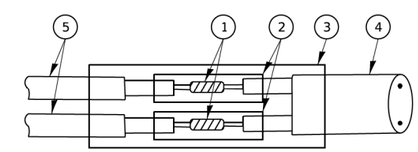


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

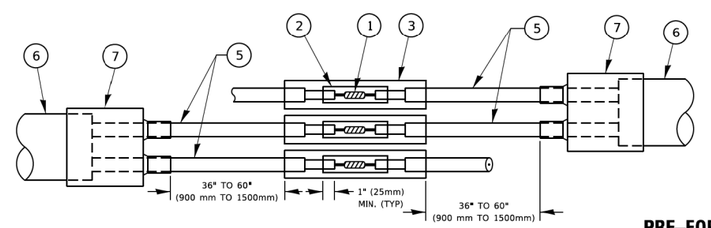


DETAIL "A"
LOOP-TO-LOOP SPLICE



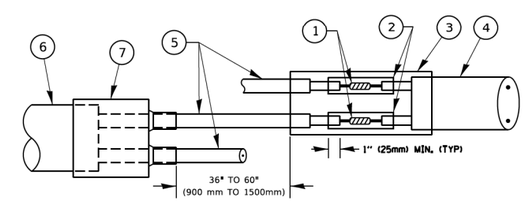
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



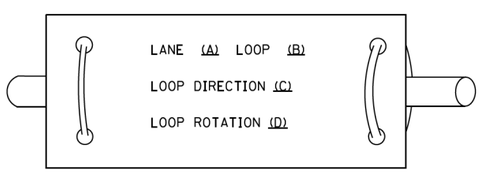
DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP LEAD-IN CABLE TAG



A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

GEWALT HAMILTON ASSOCIATES, INC.
TS SHT NO. 2
MODEL: IDOT D1 STANDARD TS05b
FILE NAME: IDOT-StdDetails.dgn

FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05b	USER NAME = zwallsten	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 4/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

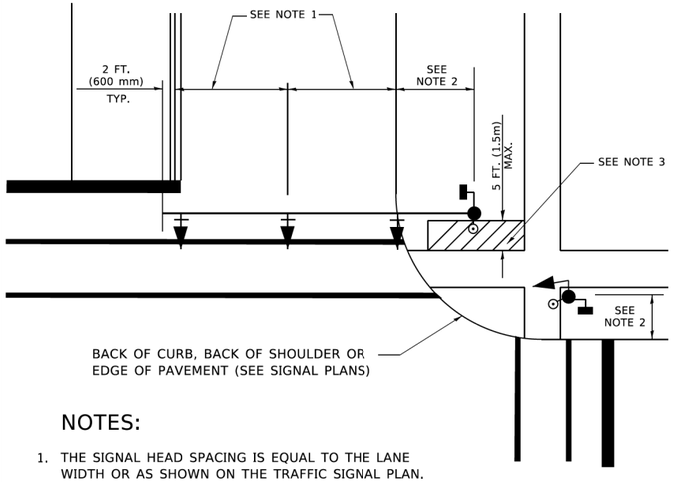
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	90
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

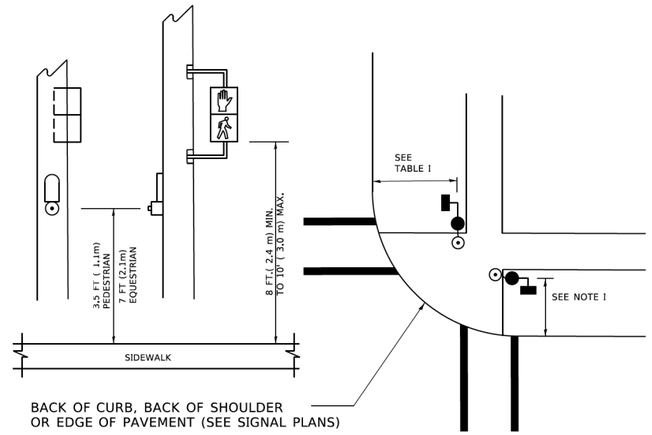
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

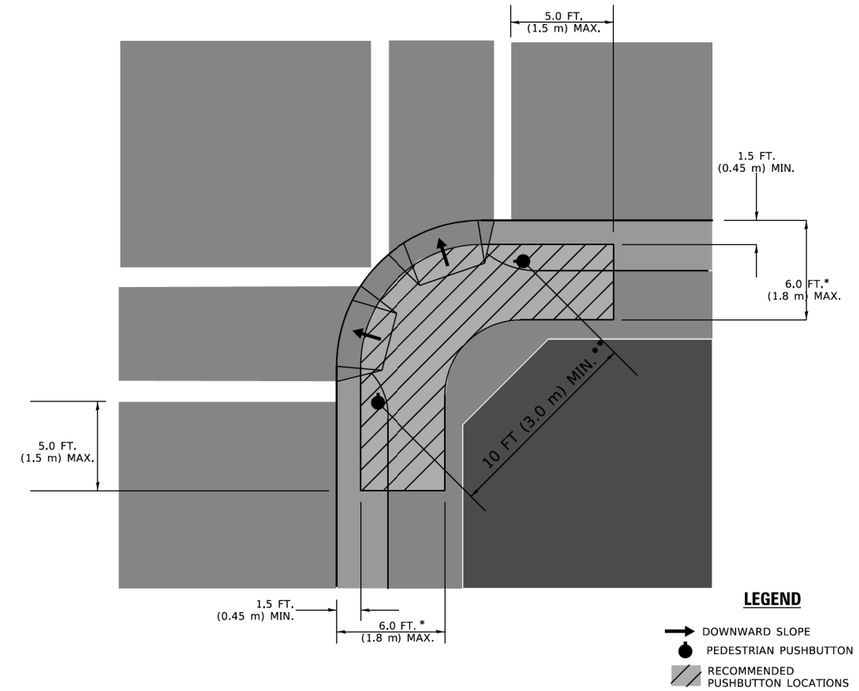
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 3

MODEL: IDOT D1 STANDARD TS05c
FILE NAME: IDOT-StdDetails.dgn

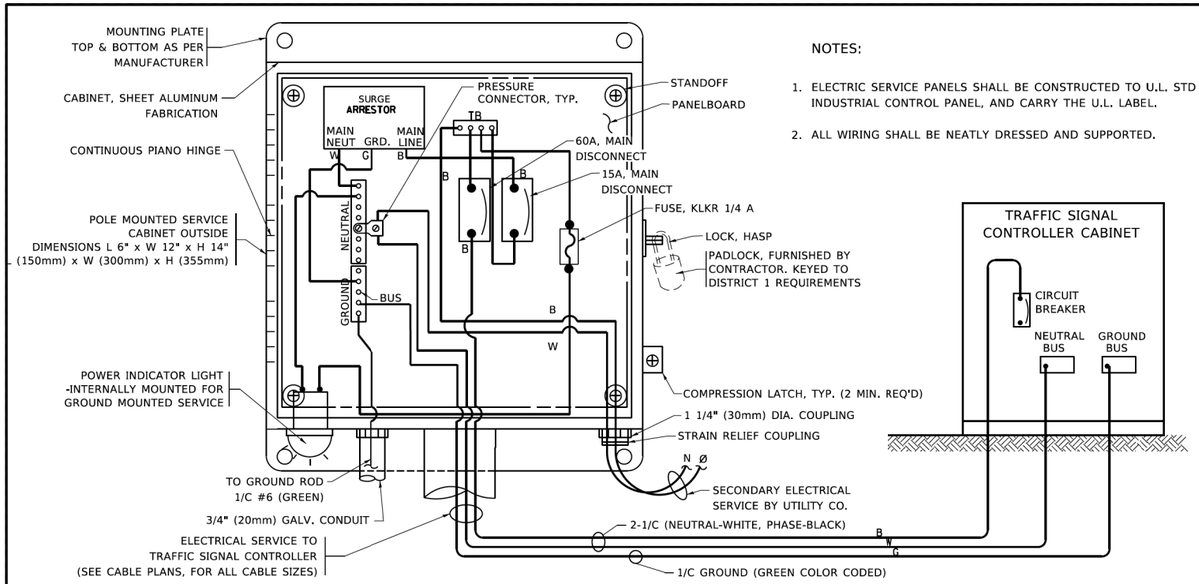
FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05c	USER NAME = zwallsten	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 4/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	91
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		



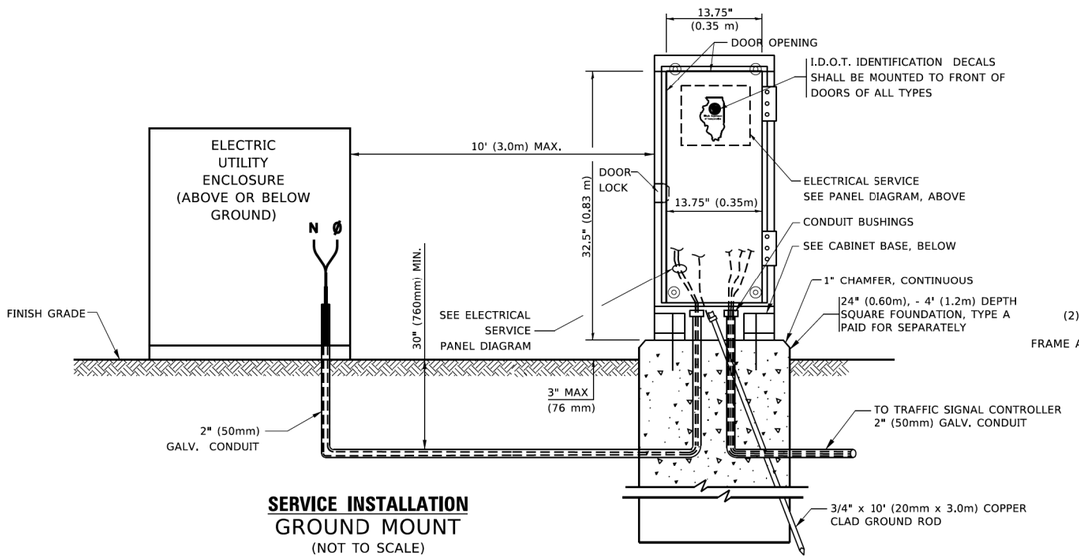
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

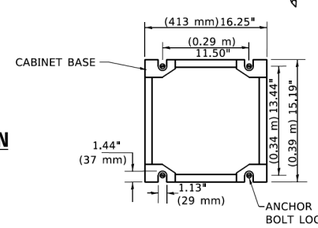
(NOT TO SCALE)



SERVICE INSTALLATION

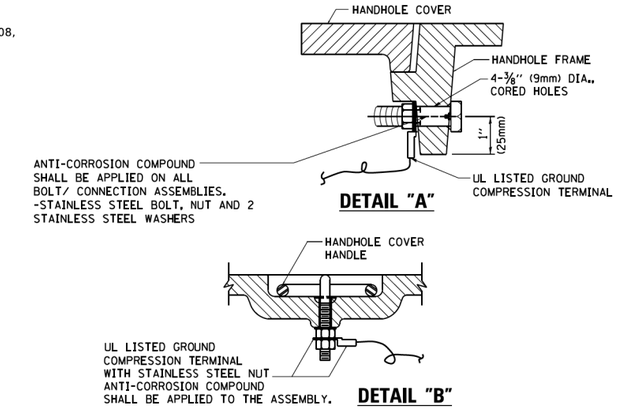
GROUND MOUNT

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

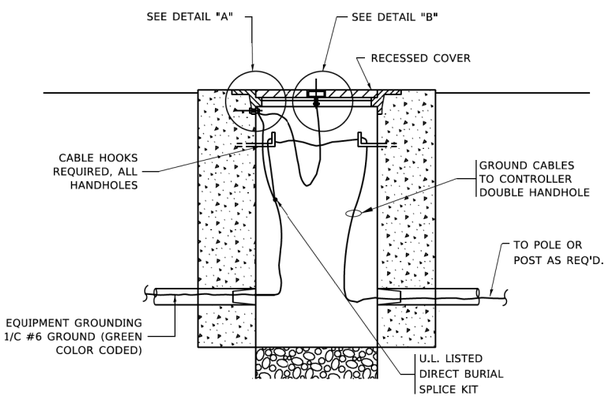
(NOT TO SCALE)



NOTES:

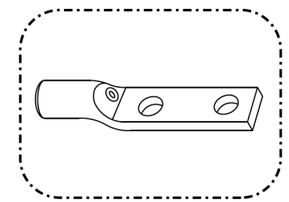
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

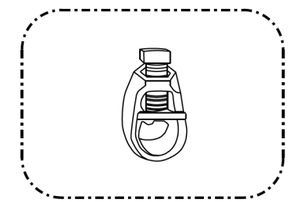


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



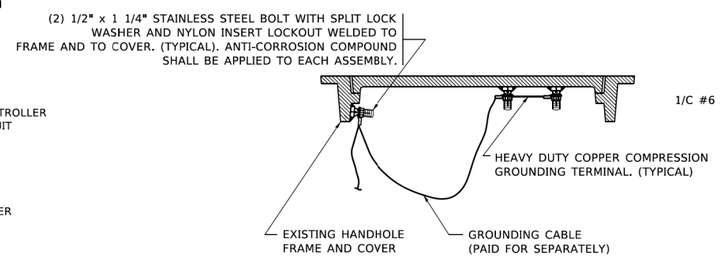
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

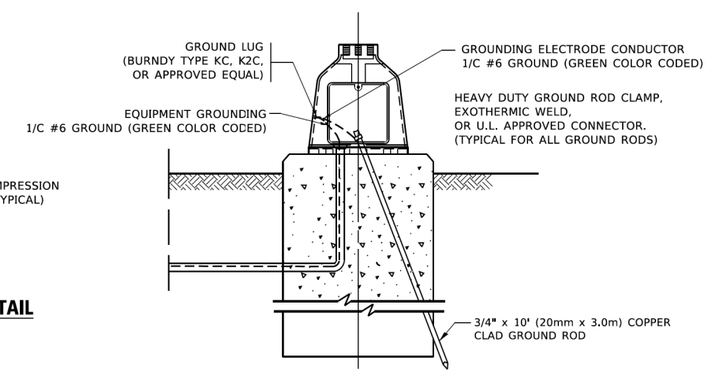
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



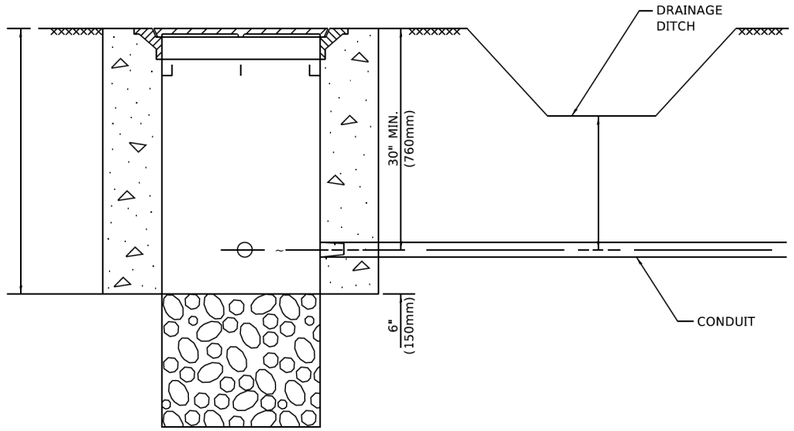
MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 4

MODEL: IDOT D1 STANDARD TS05d
FILE NAME: IDOT-StdDetails.dgn

FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05d	USER NAME = zwallsten	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			1061	17-00080-00-PV	LAKE	150 / 92
	PLOT SCALE = 1:2	CHECKED -	REVISED -			TS–05		CONTRACT NO. 61J86	
	PLOT DATE = 4/11/2025	DATE -	REVISED -		SCALE: NONE / SHEET 4 OF 7 SHEETS / STA. TO STA.			ILLINOIS FED. AID PROJECT	

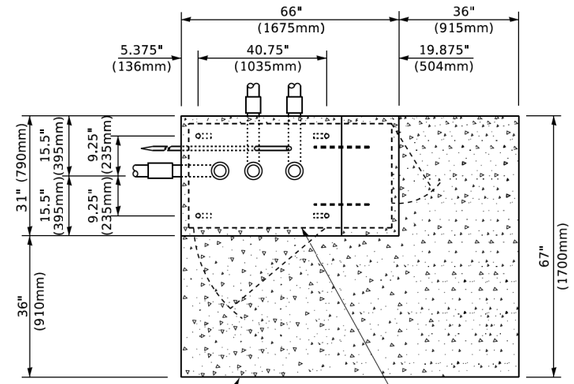


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

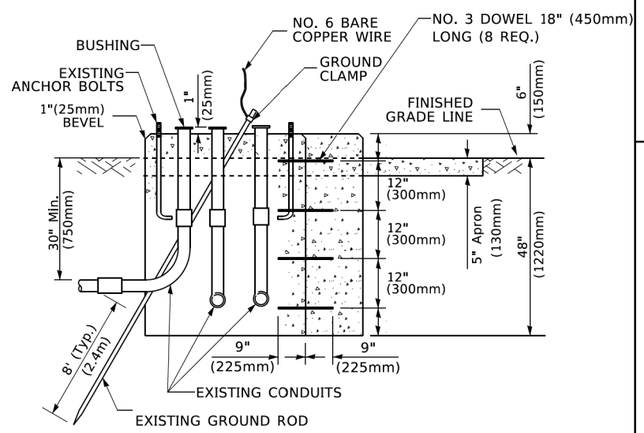
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



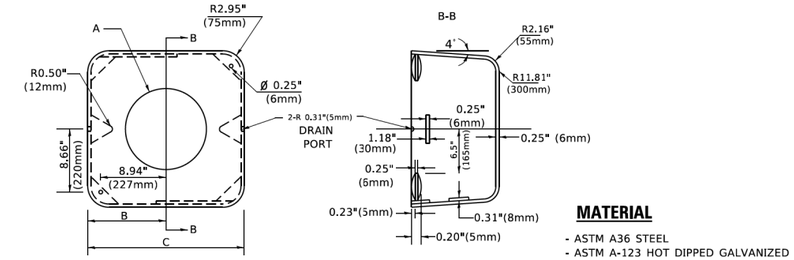
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

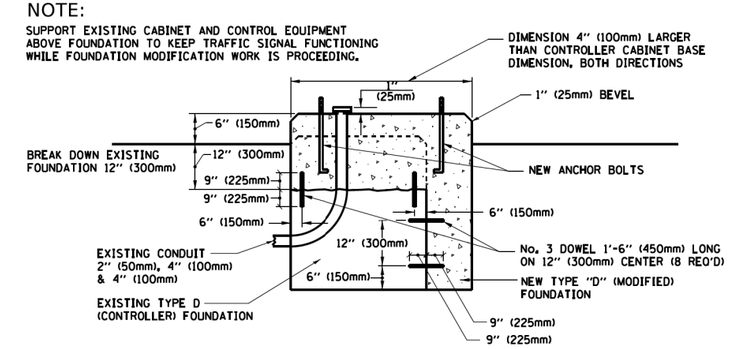
SHROUD

NOTES:

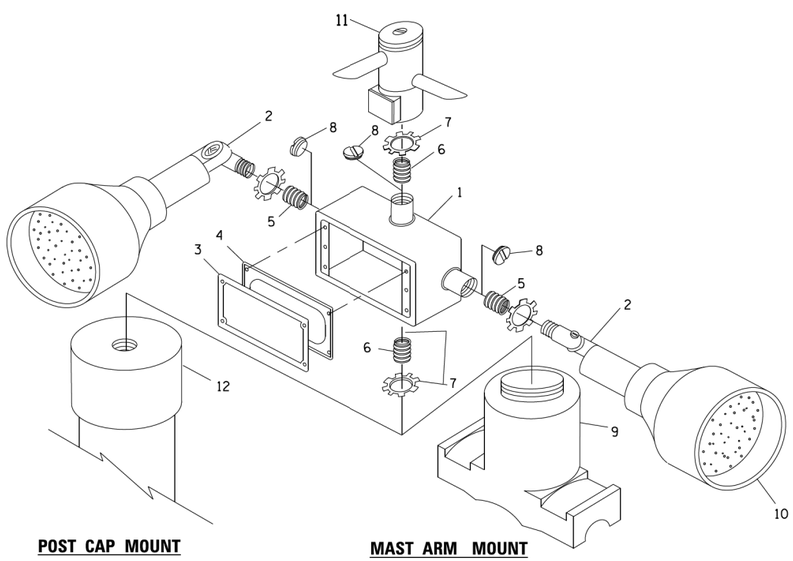
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



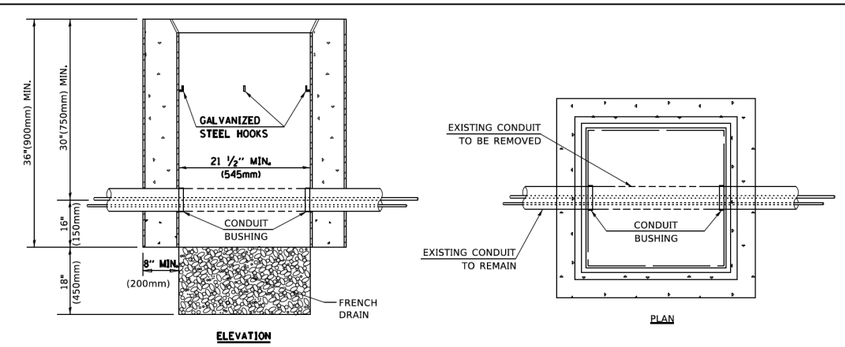
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO. 6

MODEL: IDOT D1 STANDARD TS05f
FILE NAME: IDOT-StdDetails.dgn

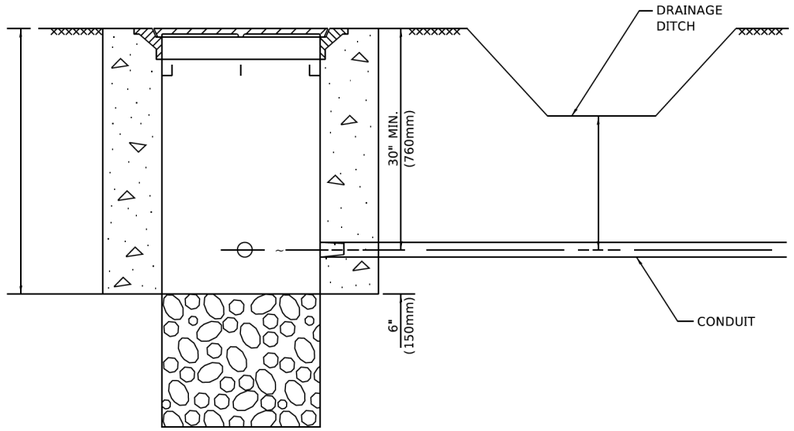
FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05f	USER NAME = zwallsten	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 4/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	94
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		



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HANDHOLE WITH MINIMUM CONDUIT DEPTH

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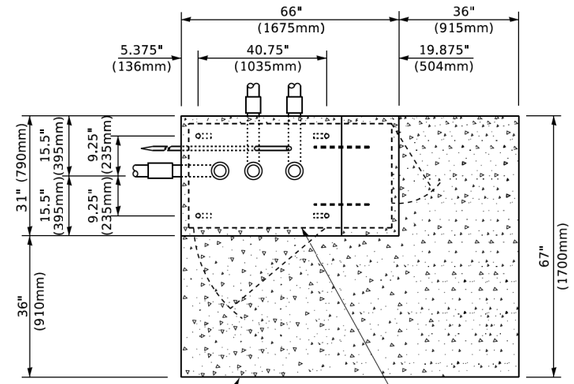
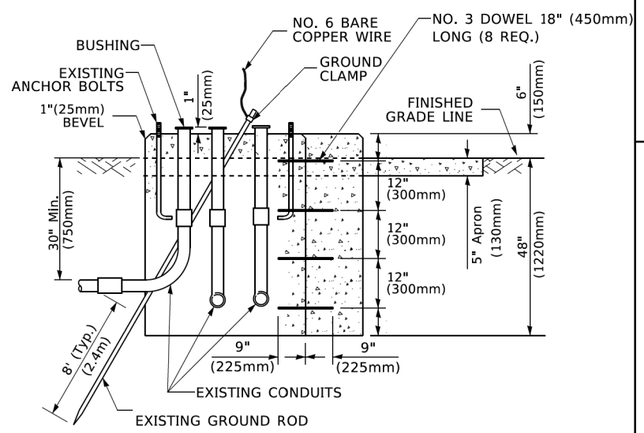


TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

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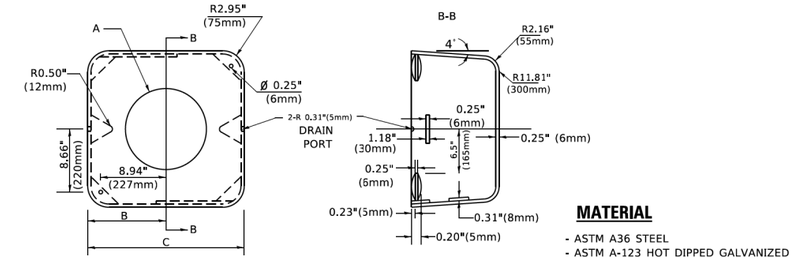

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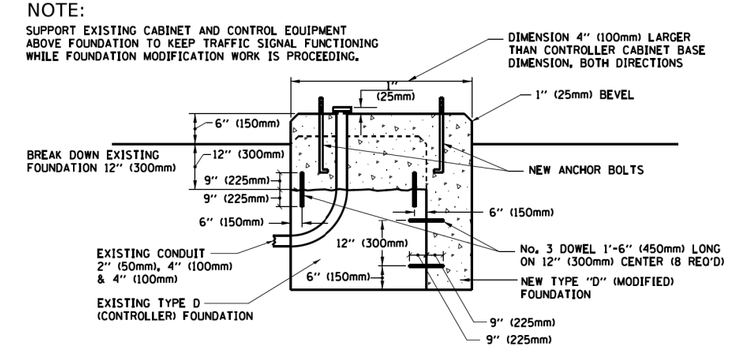
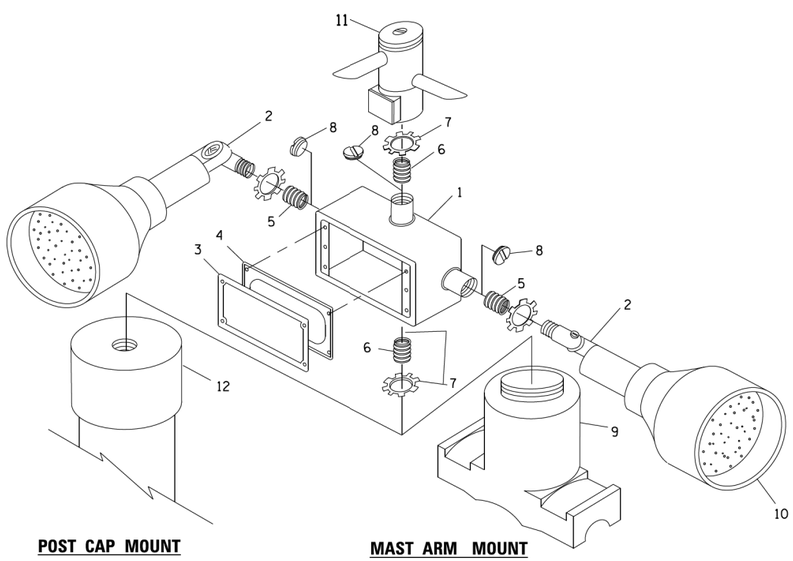


MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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12	POST CAP [18 FT. (5.4 m) POST MIN.]

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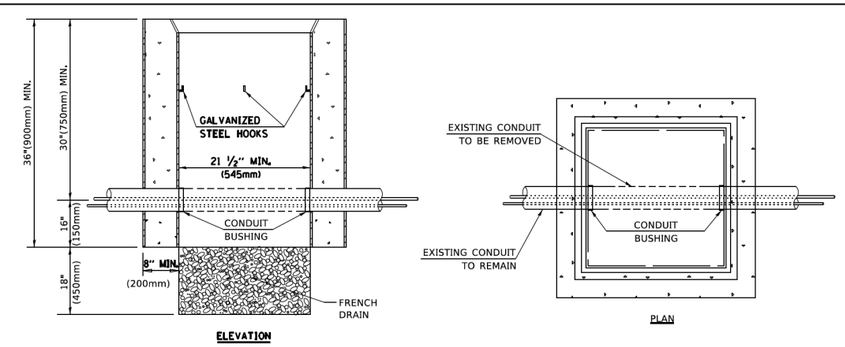


NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

GEWALT HAMILTON ASSOCIATES, INC.

TS SHT NO. 6

MODEL: IDOT D1 STANDARD TS05f
FILE NAME: IDOT-StdDetails.dgn

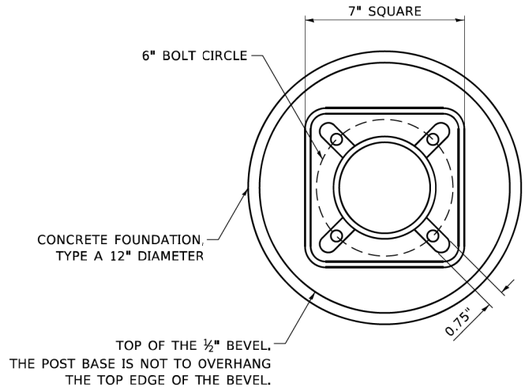
FILE NAME = IDOT-StdDetails.dgn 4600.054 IDOT D1 STANDARD TS05f	USER NAME = zwallsten	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 4/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

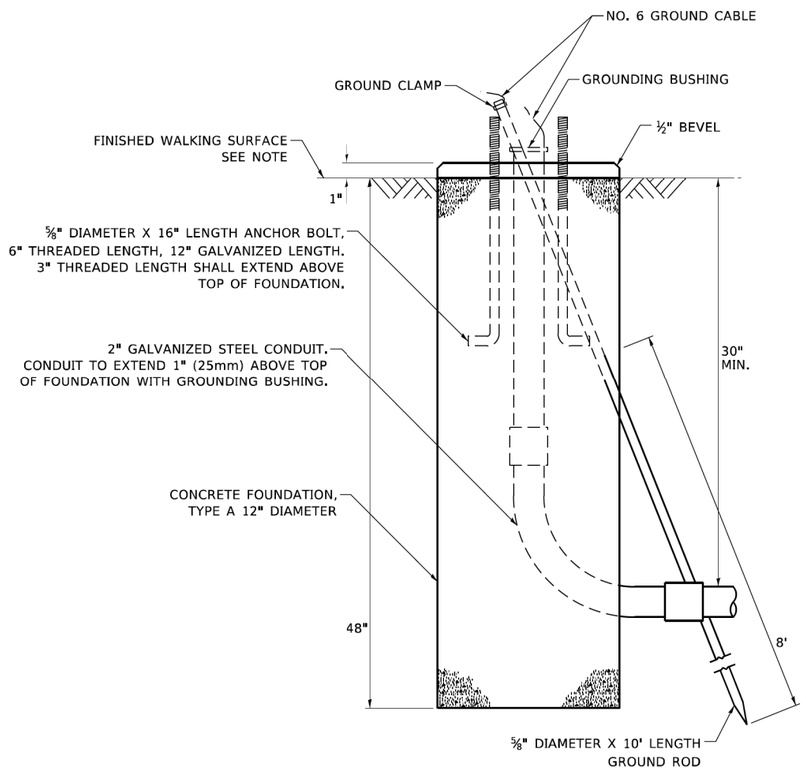
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	94
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		



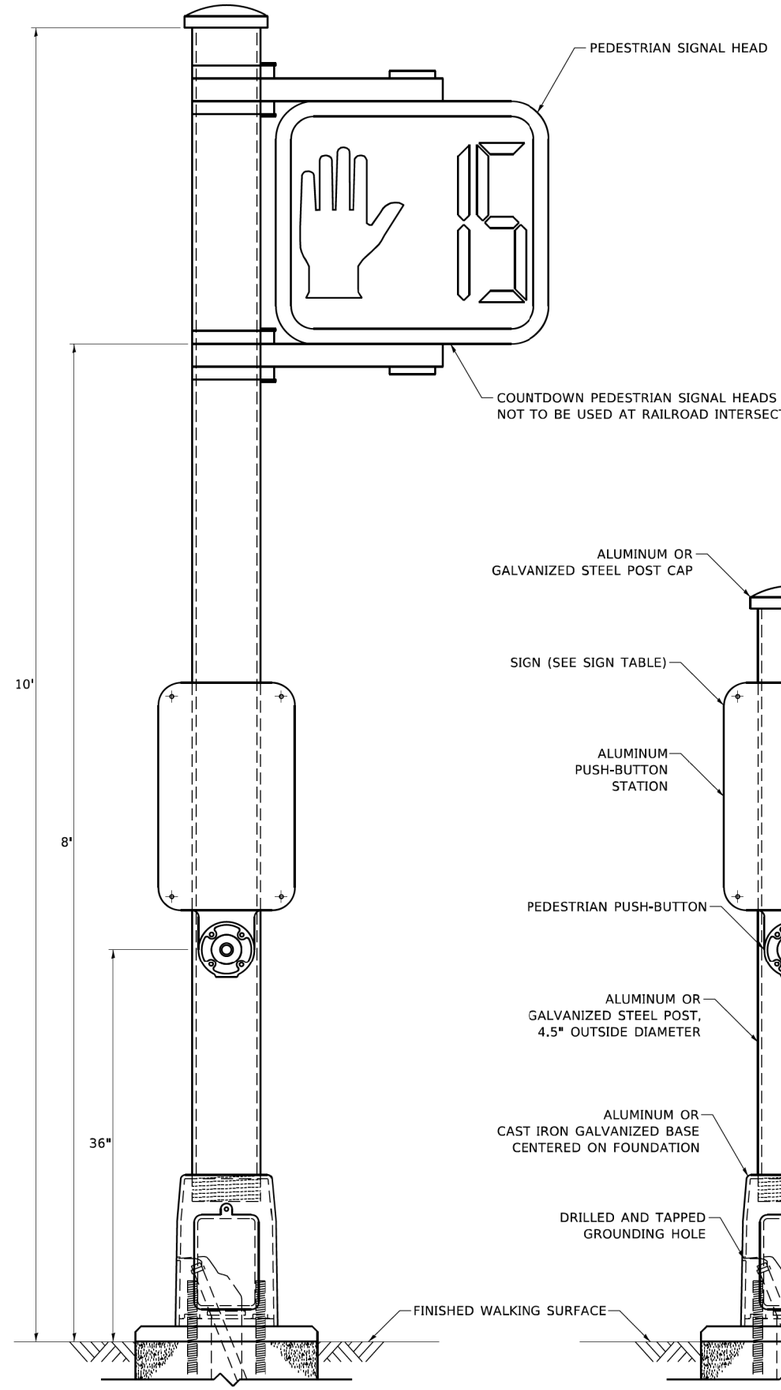
BOLT PATTERN

NOTE:

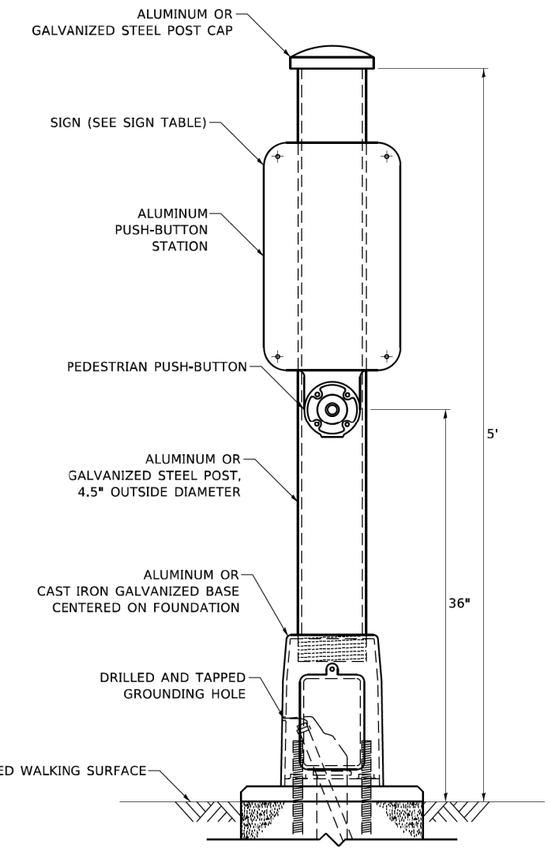
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



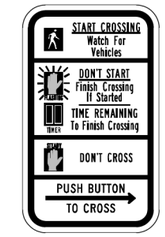
PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

R10-3b

R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 7

MODEL: IDOT D1 STANDARD TS05g
FILE NAME: IDOT-StdDetails.dgn

FILE NAME = IDOT-StdDetails.dgn	USER NAME = zwallsten	DESIGNED - JP	REVISED - 10/15/2020
4600.054		DRAWN - JP	REVISED -
IDOT D1 STANDARD TS05g	PLOT SCALE = 1:2	CHECKED - LP	REVISED -
	PLOT DATE = 4/11/2025	DATE - 10/15/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET NO. 7 OF 7 SHEETS | STA. TO STA.

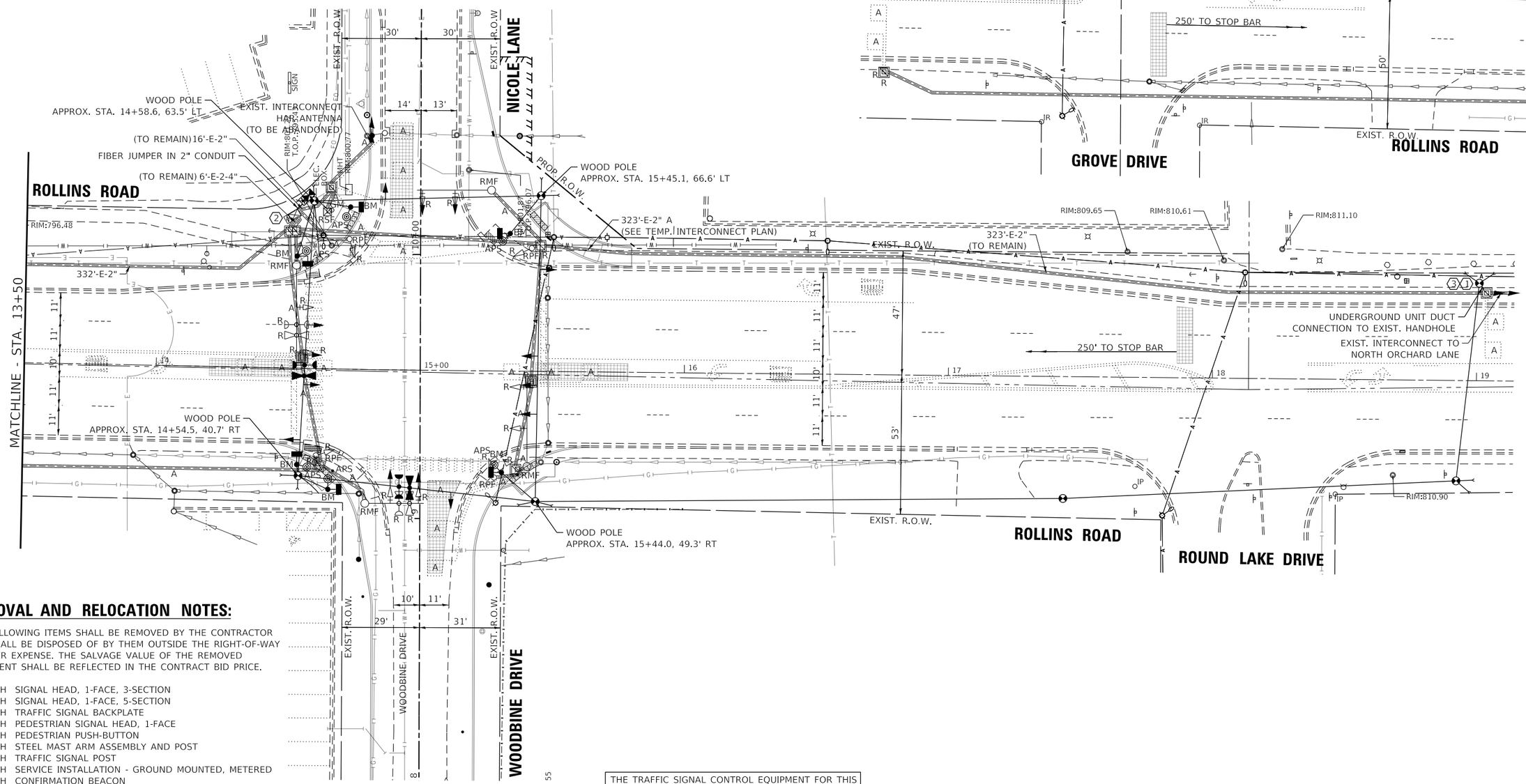
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1061	17-00080-00-PV	LAKE	150	95
	TS-05	CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

CONSTRUCTION NOTE:

1. THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK TO THE EXISTING HANDHOLE AT APPROX. STA. 19+00, AND CONNECT TO A TEMPORARY AERIAL FIBER INTERCONNECT ON WOOD POLES. SEE TEMP. INTERCONNECT PLAN FOR MORE INFORMATION. ALL WORK AND MATERIALS REQUIRED TO PULL THE EXISTING FIBER OPTIC AND TRACER CABLES BACK TO THE HANDHOLE, AND THEN BACK TO THE TRAFFIC SIGNAL CABINET TO THE SATISFACTION OF THE LCDOT ENGINEER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT".

2. THE CONTRACTOR SHALL RELOCATE THE EXISTING LAYER II SWITCH FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE TEMPORARY TRAFFIC SIGNAL CABINET. THE CONTRACTOR SHALL INSTALL A FIBER JUMPER BETWEEN THE EXISTING AND TEMPORARY CABINETS TO MAINTAIN THE INTERCONNECT DURING CONSTRUCTION. THE CONTRACTOR SHALL REINSTALL THE LAYER II SWITCH IN THE EXISTING CABINET WHEN THE PROPOSED TRAFFIC SIGNAL IS ENERGIZED.

3. THE CONTRACTOR SHALL REMOVE THE EXISTING DETECTOR LEAD-IN WIRE FROM THE HANDHOLE AND CONDUIT THAT IS MARKED "TO REMAIN" ON THE EAST LEG OF THE INTERSECTION AND ROD AND CLEAN SAID EXISTING CONDUIT.



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
8	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
6	EACH	PEDESTRIAN PUSH-BUTTON
4	EACH	STEEL MAST ARM ASSEMBLY AND POST
4	EACH	TRAFFIC SIGNAL POST
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED, METERED
2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".

ECON INT 398

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.

MODEL: Default
FILE NAME: 4600-034-sht-TS-Temp.dgn

FILE NAME = 4600-034-sht-TS-Temp.dgn	USER NAME = mvasak	DESIGNED - RJH	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED - RJH	REVISED -
Default	PLOT DATE = 5/1/2025	DATE - 5/1/2025	REVISED -

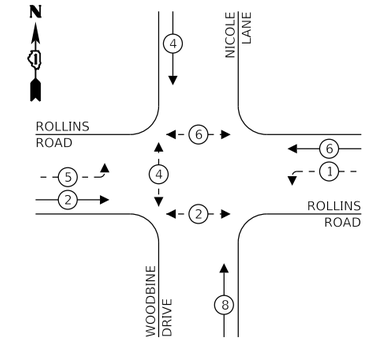
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT ROLLINS ROAD AT NICOLE LANE /WOODBINE DRIVE

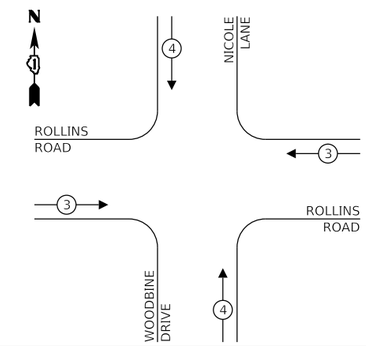
SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	96
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CONTROLLER SEQUENCE

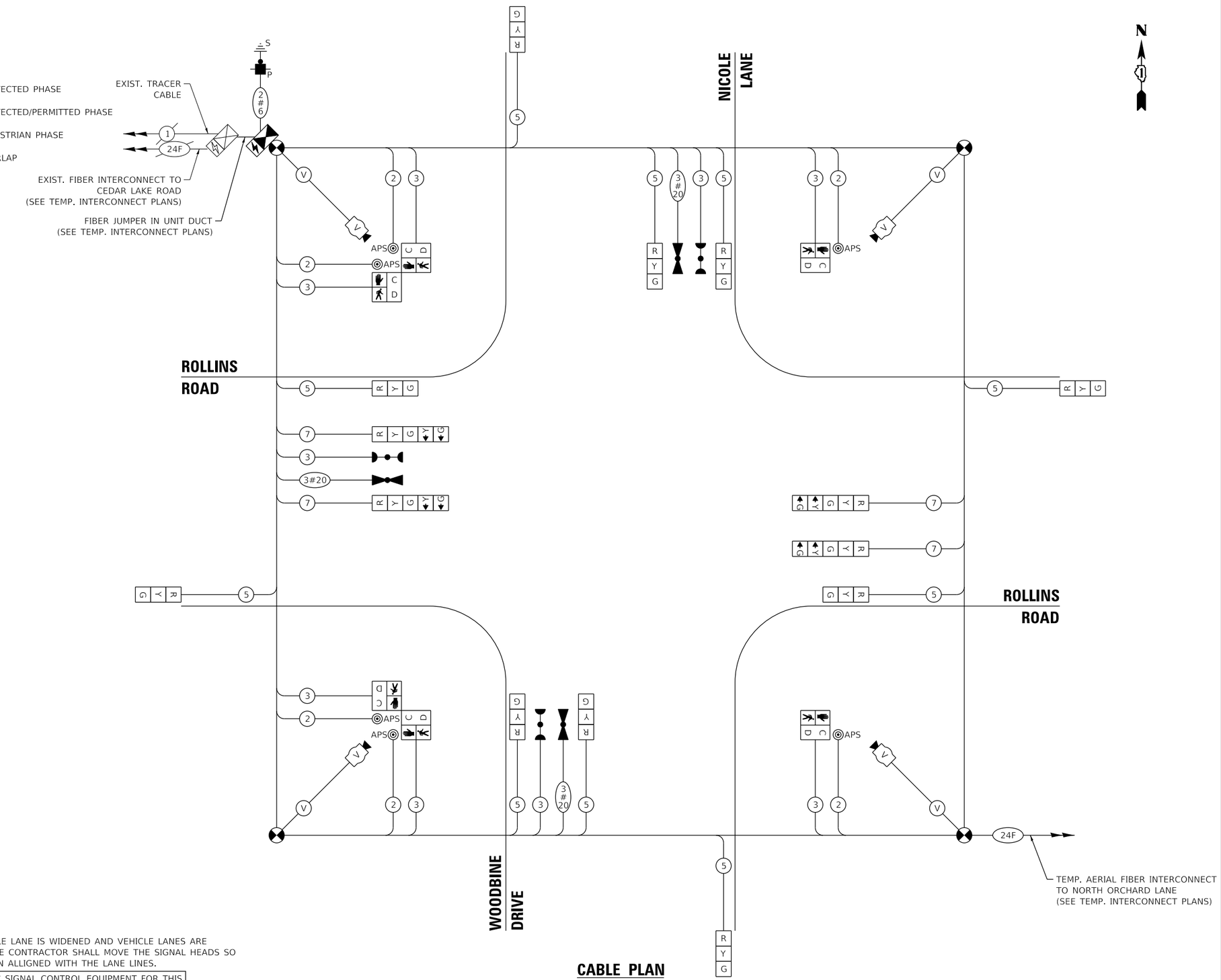


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	10	11	110
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		6	15	90
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	-
DETECTION	RADAR	-	20	-
	VIDEO	4	20	80
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH (II OR III)		-	35	-
CELLULAR MODEM		-	15	-
		TOTAL FOR UPS =		482
UPS CHARGING		1	225	225
BATTERY HEATER MAT		-	180	-
CABINET HEATER		-	200	-
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
		TOTAL FOR SERVICE =		707

ENERGY COSTS TO:

VILLAGE OF ROUND LAKE BEACH
911 LOTUS DRIVE
ROUND LAKE BEACH, IL 60073

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: (847) 816-5239
COMPANY: COM-ED
ACCOUNT NUMBER: -

NOTE:

WHEN NICOLE LANE IS WIDENED AND VEHICLE LANES ARE SHIFTED, THE CONTRACTOR SHALL MOVE THE SIGNAL HEADS SO THEY REMAIN ALLIGNED WITH THE LANE LINES.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".

ECON INT 398

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.

MODEL: Default
FILE NAME: 4600.034-sht-TS-Cable-Temp.dgn

FILE NAME = 4600.034-sht-TS-Cable-Temp.dgn	USER NAME = mvasak	DESIGNED - RJH	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED - RJH	REVISED -
Default	PLOT DATE = 5/2/2025	DATE - 5/1/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROLLINS ROAD AT NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

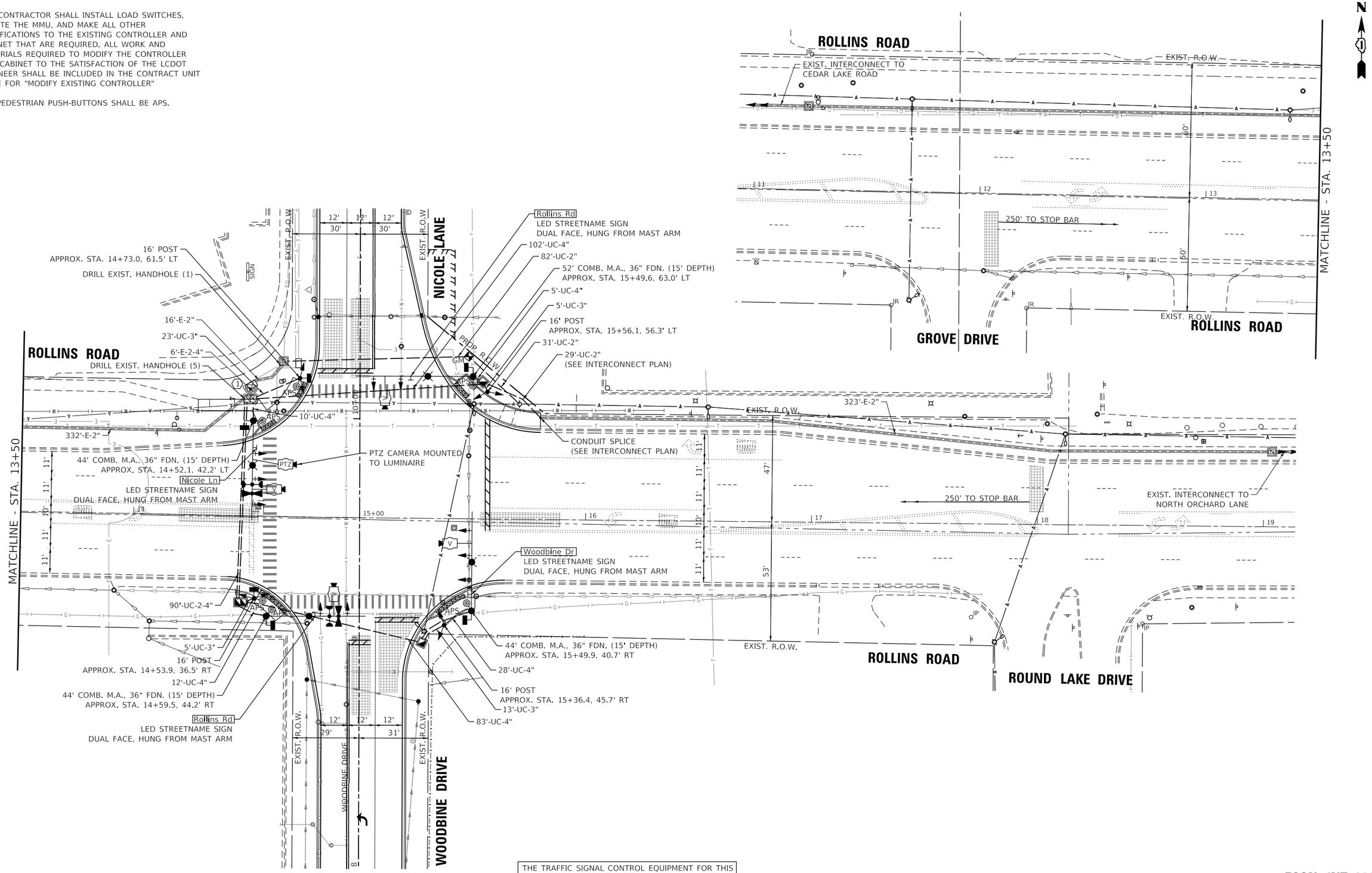
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	97
		CONTRACT NO. 61J86		

ILLINOIS FED. AID PROJECT

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL INSTALL LOAD SWITCHES, UPDATE THE MMU, AND MAKE ALL OTHER MODIFICATIONS TO THE EXISTING CONTROLLER AND CABINET THAT ARE REQUIRED. ALL WORK AND MATERIALS REQUIRED TO MODIFY THE CONTROLLER AND CABINET TO THE SATISFACTION OF THE LCDOT ENGINEER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "MODIFY EXISTING CONTROLLER"

2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".

ECON INT 398

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.

MODEL: Default
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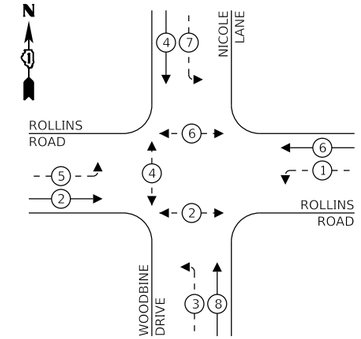
FILE NAME = 4600-034-sht-TS-Perm.dgn	USER NAME = mvasak	DESIGNED - RJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN
		DRAWN - ZCW	REVISED -		ROLLINS ROAD AT NICOLE LANE /WOODBINE DRIVE
	PLOT SCALE = 1:20	CHECKED - RJH	REVISED -		
Default	PLOT DATE = 5/2/2025	DATE - 5/1/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	98
		CONTRACT NO. 61J86		
		ILLINOIS	FED. AID PROJECT	

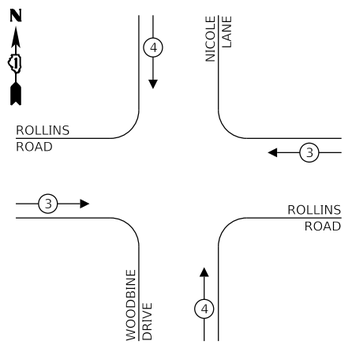
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	10	11	110
	4-SECTION	-	14	-
	5-SECTION	8	13	104
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		6	15	90
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR	-	20	-
	VIDEO	4	20	80
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH (II OR III)		1	35	35
CELLULAR MODEM		-	15	-
		TOTAL FOR UPS =		594
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		4	120	480
LUMINAIRE		4	240	960
		TOTAL FOR SERVICE =		2,639

ENERGY COSTS TO:

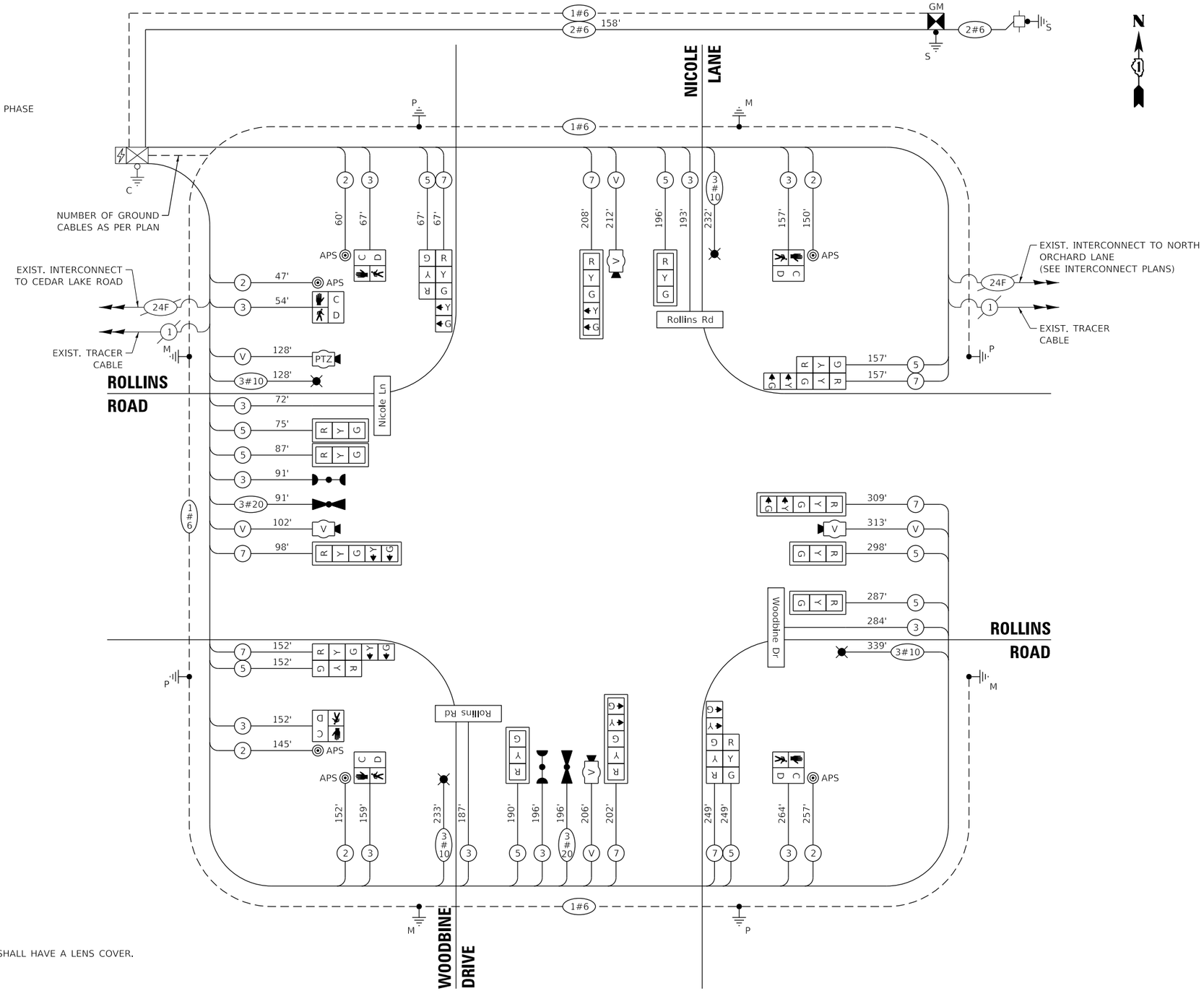
VILLAGE OF ROUND LAKE BEACH
911 LOTUS DRIVE
ROUND LAKE BEACH, IL 60073

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: (847) 816-5239
COMPANY: COM-ED
ACCOUNT NUMBER: -

NOTE:

ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP LATEST VERSION".



CABLE PLAN

(NOT TO SCALE)

ECON INT 398

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.

MODEL: Default
FILE NAME: 4600.034-sht-TS-Cable-Perm.dgn

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		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:20	CHECKED - RJH	REVISED -
Default	XXX DATE = 5/2/2025	DATE - 5/1/2025	REVISED -

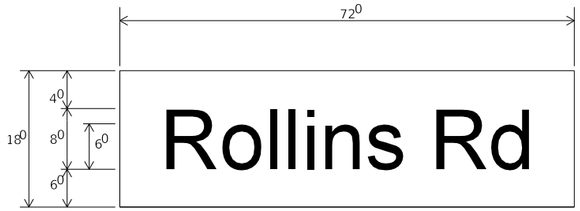
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROLLINS ROAD AT NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

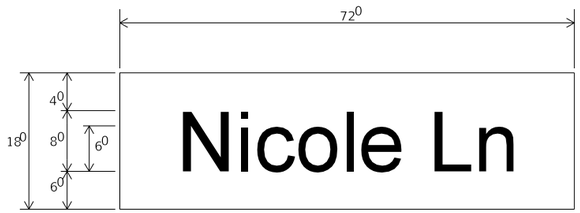
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	99
		CONTRACT NO. 61J86		
		ILLINOIS FED. AID PROJECT		

PANEL DESIGN TYPE 1



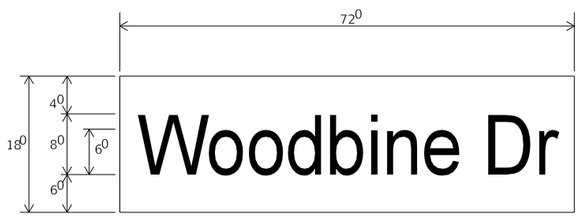
ALL DIMENSIONS SHOWN IN INCHES

9.0 SQ. FT. EACH
____ SINGLE SIDED REQUIRED
2 DOUBLE SIDED REQUIRED
DESIGN SERIES D
HIGHWAY GOTHIC FONT



ALL DIMENSIONS SHOWN IN INCHES

9.0 SQ. FT. EACH
____ SINGLE SIDED REQUIRED
1 DOUBLE SIDED REQUIRED
DESIGN SERIES D
HIGHWAY GOTHIC FONT

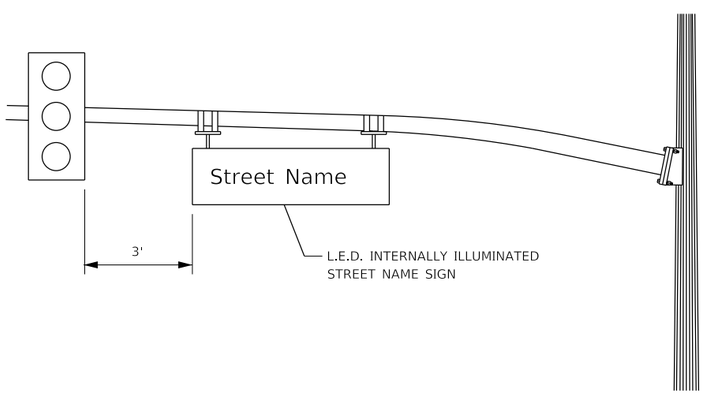


ALL DIMENSIONS SHOWN IN INCHES

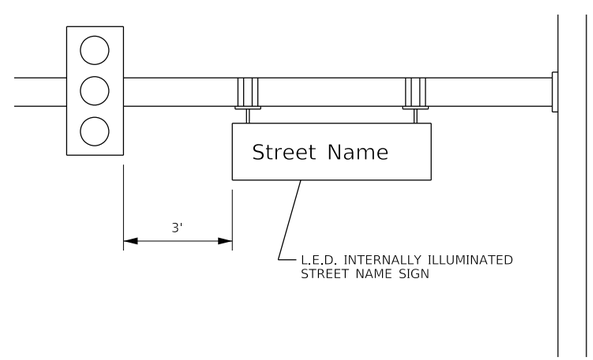
9.0 SQ. FT. EACH
____ SINGLE SIDED REQUIRED
1 DOUBLE SIDED REQUIRED
DESIGN SERIES D
HIGHWAY GOTHIC FONT

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	113
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	420
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	931
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	809
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,137
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,756
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,440
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	158
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	617
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
DRILL EXISTING HANDHOLE	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,564
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	286
ROD AND CLEAN EXISTING CONDUIT	FOOT	323
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	733
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	18



DECORATIVE STEEL MAST ARM ASSEMBLY AND POLE



REGULAR STEEL MAST ARM ASSEMBLY AND POLE

NOTE: L.E.D. ILLUMINATED STREET NAME SIGNS MAY ONLY BE AVAILABLE ONLY IN 2 FOOT INCREMENTS.

ECON INT 398

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.

MODEL: Default
FILE NAME: 4600.034-sht-TS-Signage.dgn

FILE NAME = 4600.034-sht-TS-Signage.dgn	USER NAME = mvasak	DESIGNED - RJH	REVISED -
		DRAWN - ZCW	REVISED -
Default	PLOT SCALE = 1:20	CHECKED - RJH	REVISED -
	PLOT DATE = 5/2/2025	DATE - 5/1/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
ROLLINS ROAD AT NICOLE LANE /WOODBINE DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
120/0050	17-00080-00-PV	LAKE	150	100

CONTRACT NO. 61J86

ILLINOIS FED. AID PROJECT