

11-17-2023 LETTING ITEM 017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61J88	

INDEX OF SHEETS
FOR INDEX OF SHEETS, SEE SHEET NO. 2

INDEX OF HIGHWAY STANDARDS
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU ROUTE 3725 (BEVERLY ROAD)
BEACON POINTE DRIVE TO PRAIRIE STONE PARKWAY
RESURFACING, BIKE PATH, TRAFFIC SIGNALS
SECTION 19-00106-00-RS
PROJECT KAFW(619)
VILLAGE OF HOFFMAN ESTATES
COOK COUNTY**

C-91-071-23

DESIGN SPEED:
BEVERLY ROAD - 45 MPH

POSTED SPEED:
BEVERLY ROAD - 40 MPH

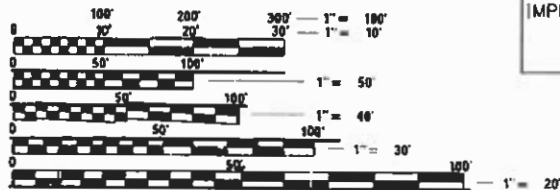
DESIGN DESIGNATIONS:
BEVERLY ROAD (SOUTH OF I-90 EB RAMP)
- 17,700 (2050) MINOR ARTERIAL

BEVERLY ROAD (I-90 EB RAMP TO I-90 WB RAMP)
- 15,700 (2050) MINOR ARTERIAL

BEVERLY ROAD (I-90 WB RAMP TO PRAIRIE STONE PARKWAY)
- 13,200 (2050) MINOR ARTERIAL

CONTACT THE METROPOLITAN
WATER RECLAMATION DISTRICT
OF GREATER CHICAGO 2 DAYS
BEFORE STARTING WORK.

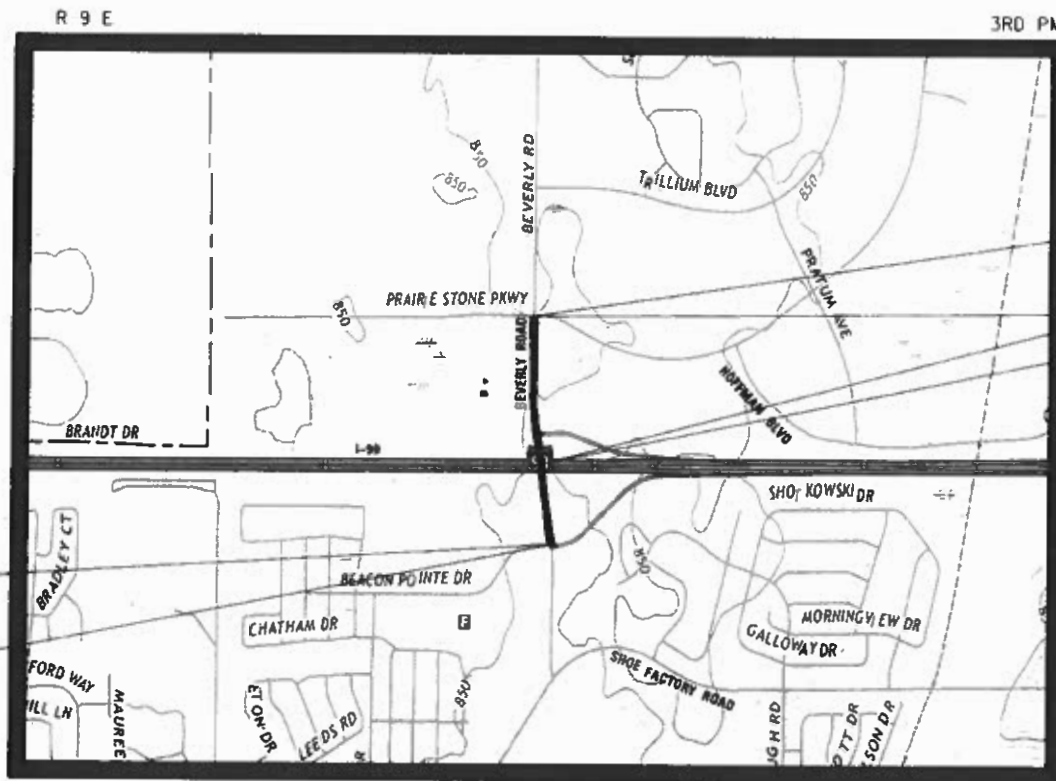
P (708) 588-4055
E WMOJobStart@mwr.d.org



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

CONTRACT NO. 61J88



IMPROVEMENT BEGINS
STA. 141+75.98
BEVERLY ROAD

IMPROVEMENT ENDS
STA. 163+45.52
BEVERLY ROAD

EXISTING SN 016-2655

BARRINGTON TOWNSHIP
LOCATION MAP
NOT TO SCALE

PROJECT LENGTH (NET AND GROSS):
BEVERLY ROAD - 2,169.54 FT. (0.41 MILE)
TOTAL - 2,169.54 FT. (0.41 MILE)

SIGNED DATE 08-07-2023 EXPIRES 11-30-2024
FOR DRAWINGS 104 TO 136

SIGNED DATE 08-07-2023 EXPIRES 11-30-2024
FOR DRAWINGS 1 TO 80 AND 137 TO 171



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED July 28 2023

VILLAGE OF HOFFMAN ESTATES DIRECTOR OF ENGINEERING

PASSED SEPT. 11 2023

DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW SEPTEMBER 11 2023

REGIONAL ENGINEER

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

SIGNED DATE 08-07-2023 EXPIRES 11-30-2024
FOR DRAWINGS 82 TO 103

CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

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

GENERAL NOTES (CONTINUED)

STORM & SANITARY SEWER

- DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE LANE. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
- ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES SHALL BE REPAIRED BY THE CONTRACTOR.
- ONLY METHOD 1 UNDER ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS SHALL BE ALLOWED FOR THE PLACEMENT OF TRENCH BACKFILL.

STAKING

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
- ESTIMATED LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT HAVE BEEN SHOWN ON THE PLANS. THE ENGINEER WILL DETERMINE THE EXACT LIMITS IN THE FIELD DURING CONSTRUCTION.
- THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.

COMED TRANSMISSION RESTRICTIONS

- EQUIPMENT MAY NOT EXCEED 14' IN HEIGHT WHILE TRAVELLING ON COMED TRANSMISSION ROW OR UNDERNEATH ANY TRANSMISSION CIRCUITS.
- NO MATERIAL OR EQUIPMENT SHALL BE STAGED OR TRAVEL WITHIN FIFTEEN (15) FEET FROM ANY TRANSMISSION STRUCTURE.
- WHEN WORKING IN THE VICINITY OF COMED'S ELECTRIC TRANSMISSION LINES DURING THE INSTALLATION, COMED REQUIRES A MINIMUM OF FIFTEEN (15) FEET WORKING CLEARANCE DISTANCE MUST BE MAINTAINED BETWEEN THE BOOMS, ARMS OR OTHER PARTS THAT CAN BE RAISED ON THE EQUIPMENT UTILIZED BY THE CONTRACTOR AND COMED'S EXISTING 138,000 VOLT ELECTRIC TRANSMISSION CONDUCTORS.
- UNDER NO CIRCUMSTANCES SHOULD TRUCK BEDS BE RAISED UNDERNEATH COMED TRANSMISSION LINES.
- ANY SPOILS PILES MAY NOT EXCEED 5 FEET IN HEIGHT UNDERNEATH TRANSMISSION LINES. ABSOLUTELY NO VEHICLES/EQUIPMENT MAY DRIVE ON TOP OF SPOILS PILES.
- NO OBSTRUCTIONS MAY BE PLACED ON COMED TRANSMISSION ROW THAT WILL RESTRICT THE ABILITY TO ACCESS TRANSMISSION FACILITIES.
- THE GRADE MAY NOT BE CHANGED UNDERNEATH COMED TRANSMISSION WIRES WITHOUT REVIEW/APPROVAL BY COMED TRANSMISSION ENGINEERING. THE PROPOSED ELEVATIONS PROVIDED HEREIN HAVE BEEN REVIEWED AND ARE ACCEPTABLE.

EROSION CONTROL

- ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
- ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
- ALL SLOPES SHALL BE COVERED WITH SEED/BLANKET AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SEED/BLANKET SHALL BE THE LIMITS OF GRADING.
- INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER AND SHOULDERS. INLET AND PIPE PROTECTION SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN LANDSCAPED AREAS.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
- SEE STANDARD 280001 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.
- WHEN A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES MEETING THE APPROVAL OF THE ENGINEER SHALL BE PROVIDED.
- THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

MISCELLANEOUS

- UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

COMMITMENTS

- TREES THREE (3) INCHES IN DIAMETER OR GREATER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH OCTOBER 31ST OF ANY GIVEN YEAR.

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

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

MODEL: SH06L1MAMES
FILE NAME: ...3021 Notes.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	KDC	REVISED -	
DRAWN -	JFG	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES

GENERAL NOTES AND COMMITMENTS

SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	3
			CONTRACT NO. 61J88	
ILLINOIS				

MWRD GENERAL NOTES

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:

*STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2022), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;

*STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;

*VILLAGE OF HOFFMAN ESTATES MUNICIPAL CODE;

*THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;

*IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).

2. THE VILLAGE OF HOFFMAN ESTATES ENGINEERING DEPARTMENT AND PUBLIC WORKS MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED BY THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWERS

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.

4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)		
	ASTM D-3350	ASTM D-3261, F-2620 (HEAT FUSION)
	ASTM D-3035	ASTM D-3212, F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.

10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 A) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 B) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACED WITH A WYE OR TEE BRANCH SECTION.
 C) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE- CAST REINFORCED CONCRETE.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON -SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 A) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 B) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. 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 CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

12. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

13. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE ROW OF SILT FENCE (OR EQUIVALENT).

14. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

15. SOIL STOCKPILES, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

16. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

17. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

18. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY SEWER OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE ACTIVITIES.

19. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

21. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

23. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

24. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

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NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

MODEL: SH06ELMAMES FILE NAME: ...3021 Notes.dgn



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VILLAGE OF HOFFMAN ESTATES

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	4
CONTRACT NO. 61J88				
		ILLINOIS		

DATE	
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STRUCTURE INDICATOR CODE	
PROFILE	
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MODEL: MADDEN\MARKS
FILE NAME: ...19621.DWG, 500.dwg

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
X	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	110	110			
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	110	110			
X	25100630	EROSION CONTROL BLANKET	SQ YD	5922	5922			
X	25200200	SUPPLEMENTAL WATERING	UNIT	276	276			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	122	122			
	28000305	TEMPORARY DITCH CHECKS	FOOT	42	42			
	28000400	PERIMETER EROSION BARRIER	FOOT	1419	1419			
	28000510	INLET FILTERS	EACH	25	25			
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	5922	5922			
	28100107	STONE RIPRAP, CLASS A4	SQ YD	5	5			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	156	156			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	470	470			
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	13	13			
	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	957	957			
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	152	152			

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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES

SHEET 2 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	6
CONTRACT NO. 61J88			ILLINOIS	

PLAN	NO.	DATE
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PROFILE	NO.	DATE
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30			
	67100100	MOBILIZATION	L SUM	1	1			
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	540	540			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	9593	9593			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3166	3166			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	770	770			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	13039	13039			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	2481	2481			
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1530	1530			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	514	514			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	340	340			
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	218	218			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2855	2855			
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1497	1497			
	70307140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE IV TAPE	FOOT	86	86			
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1342	1342			

MODEL: SMODELMMAMES
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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES

SHEET 7 OF 14 SHEETS


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-R5	COOK	171	11
CONTRACT NO. 61J88			ILLINOIS	

PLAN	SUBMITTED	DATE
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
X	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	514	514			
X	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	305	305			
X	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	124	124			
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	9950	9950			
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2737	2737			
X	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1		
X	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	694		694		
X	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	141		141		
X	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	463		463		
X	81400100	HANDHOLE	EACH	5		5		
X	81400200	HEAVY-DUTY HANDHOLE	EACH	3		3		
X	81400300	DOUBLE HANDHOLE	EACH	1		1		
X	81603032	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	655		655		
X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3		3		
X	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1		
X	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2483		2483		

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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES	
SHEET 9 OF 14 SHEETS	


F.A.U. RTE. 3725	SECTION 19-00106-00-R5	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 13
ILLINOIS			CONTRACT NO. 61J88	

PLAN	SURVEYED	DATE
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
X	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	617		617		
X	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1063		1063		
X	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2896		2896		
X	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	124		124		
X	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1238		1238		
X	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25		25		
X	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	883		883		
X	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6		6		
X	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1		
X	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		1		
X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28		28		
X	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
X	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24		24		
X	87900200	DRILL EXISTING HANDHOLE	EACH	1		1		
X	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4		

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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES	
SHEET	10 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	14
CONTRACT NO. 61J88			ILLINOIS	

DATE	
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
X	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9		9		
X	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1		1		
X	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2		
X	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8		8		
X	88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6		
X	88600100	DETECTOR LOOP, TYPE I	FOOT	771		771		
X	88700200	LIGHT DETECTOR	EACH	3		3		
X	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1		
X	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4100		4100		
X	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2		
X	89502376	REBUILD EXISTING HANDHOLE	EACH	1		1		
X	89502380	REMOVE EXISTING HANDHOLE	EACH	9		9		
X	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10		10		
X	A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	6	6			
X	A2004515	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5			

MODEL: S:\MODEL\JAMES
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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES

SHEET 11 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-R5	COOK	171	15
CONTRACT NO. 61J88			ILLINOIS	

DATE	
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
X	B2001624	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3			
X	B2006216	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4			
X	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	17	17			
X	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	689		689		
X	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	500		500		
X	X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1		1		
X	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2		
X	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1		1		
X	X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4		4		
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	150	150			
X	X2200018	ORNAMENTAL FENCE	FOOT	930	930			
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1			
X	X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	271			271	
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1			
	X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	686	686			

MODEL: SPODELMARIES
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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES

SHEET 12 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	16
CONTRACT NO. 61J88			ILLINOIS	

PLAN	DATE
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
	X6370048	CONCRETE BARRIER BASE (SPECIAL)	FOOT	216			216	
	X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	289			289	
	X7010005	MAINTENANCE OF TRAFFIC (ILLINOIS TOLLWAY)	L SUM	1	1			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
X	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2529		2529		
X	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6		6		
X	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12		12		
X	X8950100	RELOCATE EXISTING MASTER CONTROLLER	EACH	1		1		
	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1			
	Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	35	35			
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	168	168			
	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	621			621	
	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	515			515	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	100			100	

MODEL: S:\MODEL\14182
FILE NAME: 131021_01_500.dwg

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VILLAGE OF HOFFMAN ESTATES

SUMMARY OF QUANTITIES

SHEET 13 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-R5	COOK	171	17
CONTRACT NO. 61188			ILLINOIS	

PLAN	SURVEYED	DATE
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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
					0005	0021	0059	0042
					ROADWAY	TRAFFIC SIGNALS	BRIDGE	TRAINEES
					75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE	75% FEDERAL / 25% VILLAGE
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	6	6			
	Z0032470	JOINT SEALER	FOOT	826			826	
X	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9	9			
X	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1		
	Z0056652	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	12	12			
	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	46	46			
	Z0062456	TEMPORARY PAVEMENT	SQ YD	28	28			
X	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		2		
	Z0076600	TRAINEES	HOUR	500				500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				500

MODEL: 4MODEL\MWES
FILE NAME: ...13121.DWG, 500.dwg



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VILLAGE OF HOFFMAN ESTATES

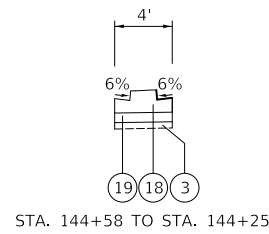
SUMMARY OF QUANTITIES

SHEET 14 OF 14 SHEETS

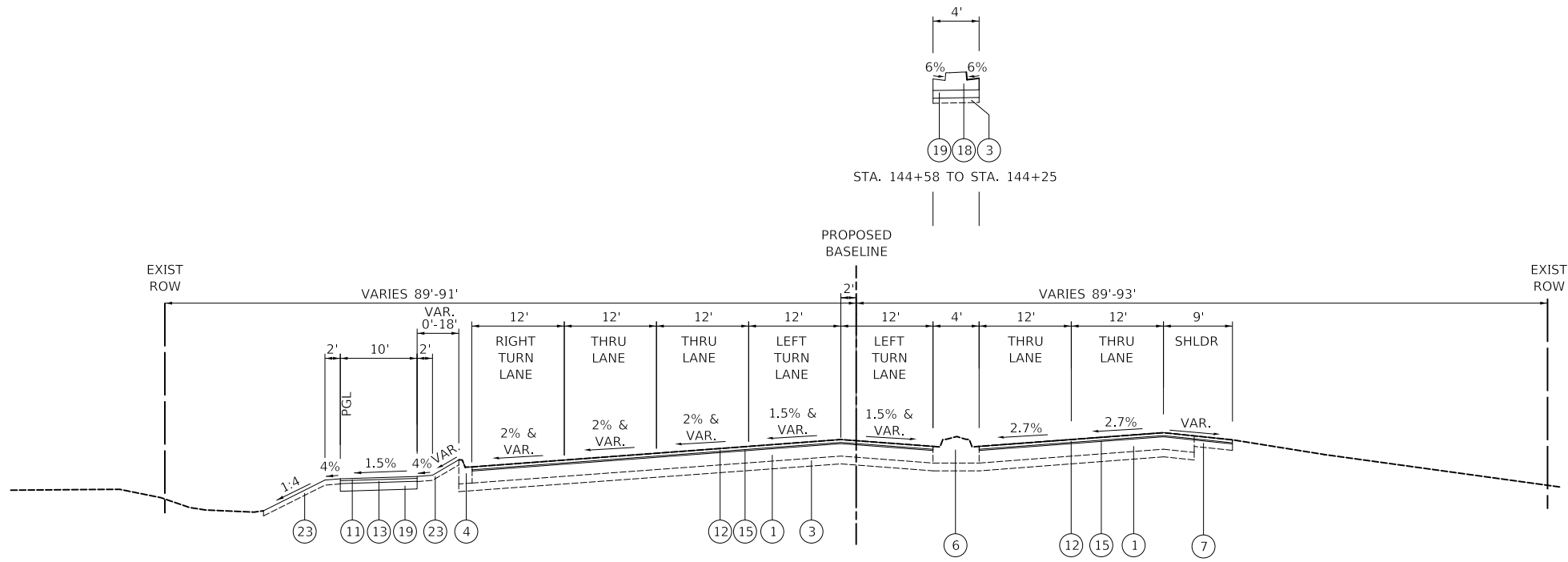
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	18
				CONTRACT NO. 61J88
				ILLINOIS

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

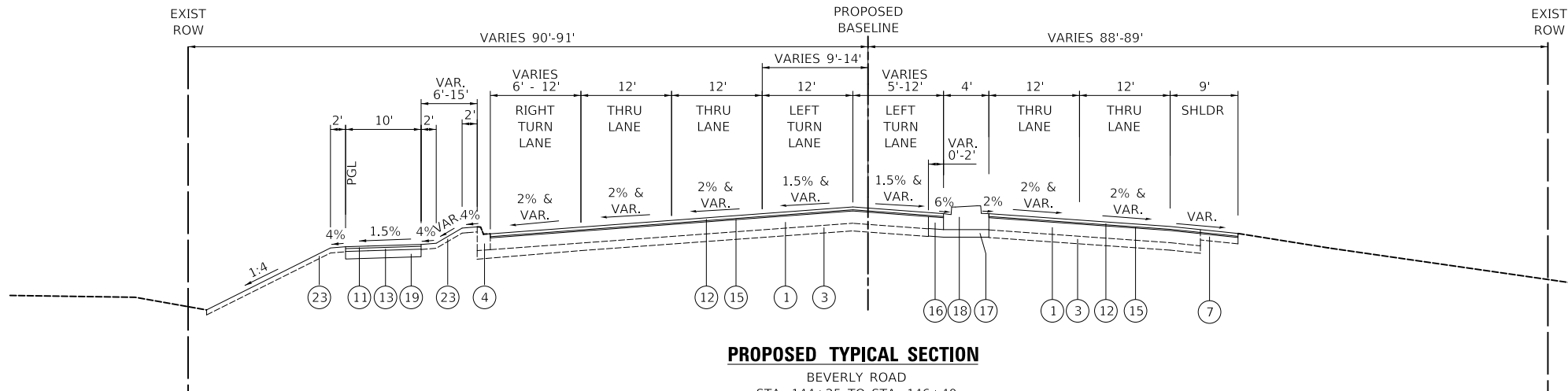
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



- LEGEND**
- ① EXISTING H.M.A. PAVEMENT
 - ② EXISTING REINFORCED P.C.C. PAVEMENT
 - ③ EXISTING AGGREGATE BASE
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - ⑤ EXISTING P.C.C. SIDEWALK
 - ⑥ EXISTING P.C.C. MEDIAN
 - ⑦ EXISTING H.M.A. SHOULDER
 - ⑧ EXISTING CONC. MEDIAN SURFACE
 - ⑨ EXISTING GUARDRAIL
 - ⑩ EXISTING LANDSCAPED MEDIAN
 - ⑪ HMA SURFACE COURSE, IL-9.5, MIX D, N50, 1½"
 - ⑫ HMA SURFACE COURSE, IL-9.5, MIX D, N70, 1½"
 - ⑬ HMA BINDER COURSE, IL-19.0, N50, 2¾"
 - ⑭ PCC BASE COURSE, 10"
 - ⑮ POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
 - ⑯ PCC BASE COURSE WIDENING, 10"
 - ⑰ SUBBASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑱ CONCRETE MEDIAN, TYPE SB-6.12 (BOTTOM OF MEDIAN SHALL MATCH BOTTOM OF ADJACENT BASE COURSE)
 - ⑲ AGGREGATE BASE COURSE, TYPE B, 6"
 - ⑳ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ㉑ CONCRETE BARRIER WALL (SPECIAL) AND PARAPET RAILING
 - ㉒ ORNAMENTAL FENCE
 - ㉓ TOPSOIL (4") SEE LANDSCAPING SHEETS FOR SEED TYPE
 - ㉔ CONCRETE MEDIAN (SPECIAL)
 - ㉕ PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
 - ㉖ TOPSOIL (24") SEEDING, CLASS 2A
 - ㉗ CONCRETE BARRIER BASE (SPECIAL)
 - ㉘ HMA BINDER COURSE, IL-19.0, N70; 10"
 - ㉙ AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ㉚ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ㉛ SUBBASE GRANULAR MATERIAL, TYPE B 4"



PROPOSED TYPICAL SECTION
BEVERLY ROAD
STA. 141+75.98 TO STA. 144+25



PROPOSED TYPICAL SECTION
BEVERLY ROAD
STA. 144+25 TO STA. 146+40

MODEL: SMODELNAME
FILE NAME: ...032-TYPICALS321.Typ



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VILLAGE OF HOFFMAN ESTATES

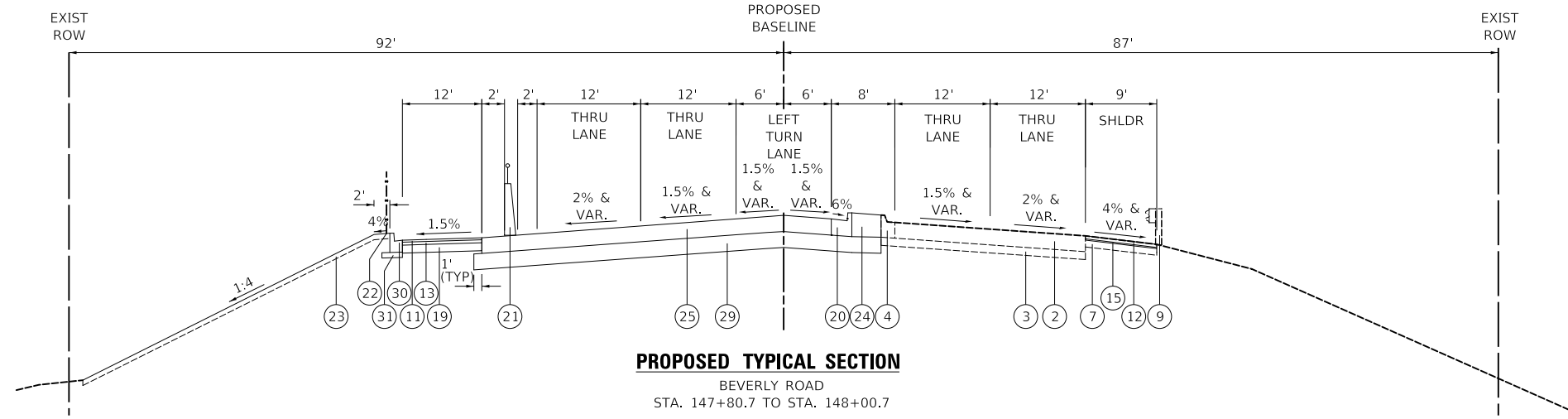
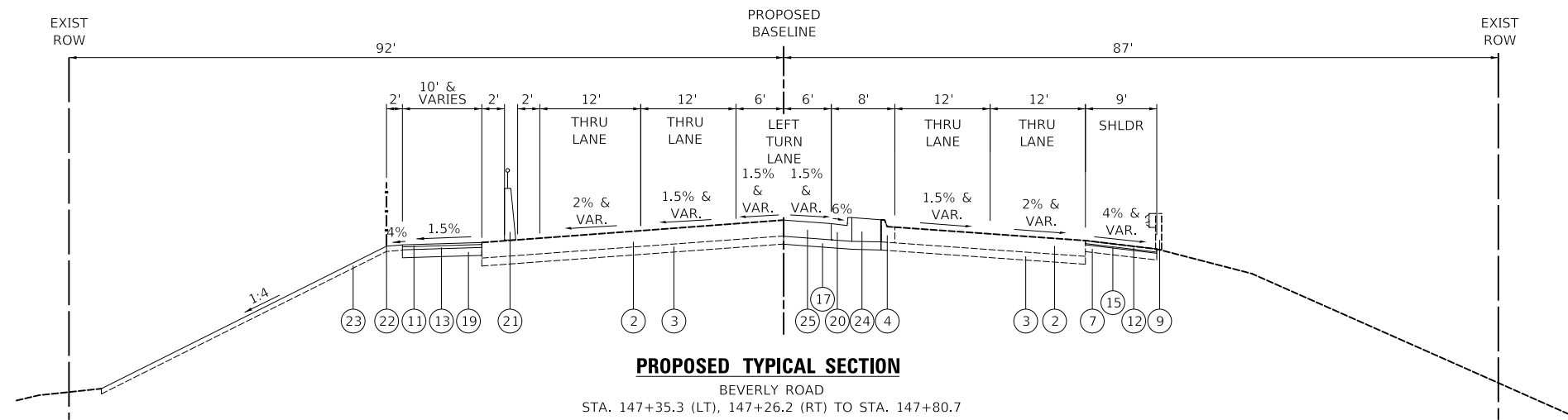
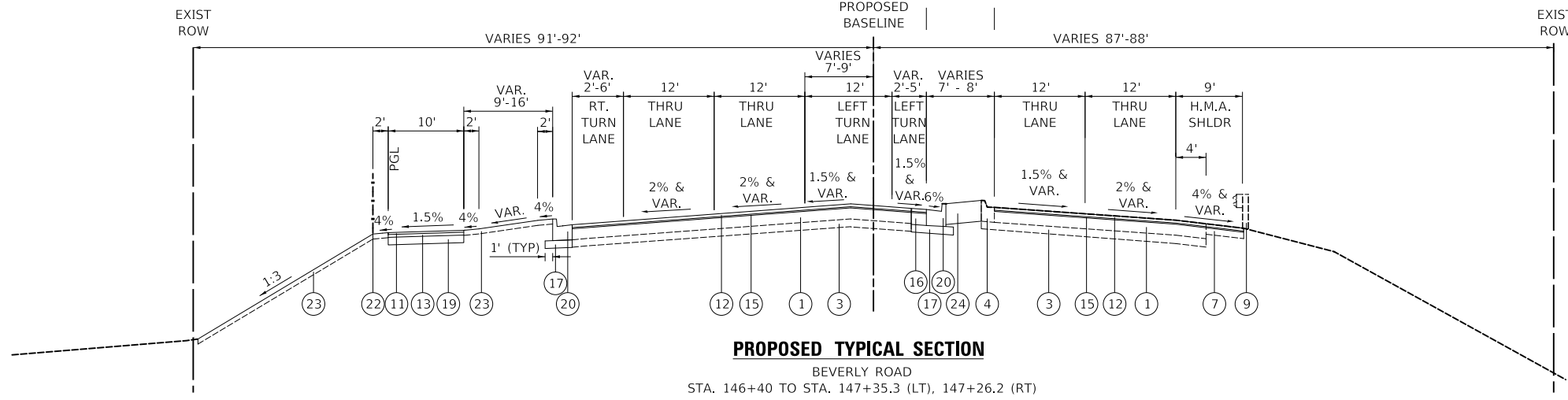
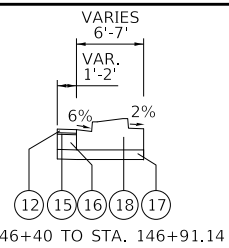
NOT TO SCALE	SHEET 4 OF 7 SHEETS
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TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	22
				CONTRACT NO. 61J88
ILLINOIS				

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

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



BEVERLY ROAD
 STA. 148+00.7 TO STA. 150+98.7
 SN 016-2655
 SEE BRIDGE PLANS AND DETAILS

- LEGEND**
- ① EXISTING H.M.A. PAVEMENT
 - ② EXISTING REINFORCED P.C.C. PAVEMENT
 - ③ EXISTING AGGREGATE BASE
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - ⑤ EXISTING P.C.C. SIDEWALK
 - ⑥ EXISTING P.C.C. MEDIAN
 - ⑦ EXISTING H.M.A. SHOULDER
 - ⑧ EXISTING CONC. MEDIAN SURFACE
 - ⑨ EXISTING GUARDRAIL
 - ⑩ EXISTING LANDSCAPED MEDIAN
 - ⑪ HMA SURFACE COURSE, IL-9.5, MIX D, N50, 1½"
 - ⑫ HMA SURFACE COURSE, IL-9.5, MIX D, N70, 1½"
 - ⑬ HMA BINDER COURSE, IL-19.0, N50, 2¾"
 - ⑭ PCC BASE COURSE, 10"
 - ⑮ POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
 - ⑯ PCC BASE COURSE WIDENING, 10"
 - ⑰ SUBBASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑱ CONCRETE MEDIAN, TYPE SB-6.12 (BOTTOM OF MEDIAN SHALL MATCH BOTTOM OF ADJACENT BASE COURSE)
 - ⑲ AGGREGATE BASE COURSE, TYPE B, 6"
 - ⑳ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ㉑ CONCRETE BARRIER WALL (SPECIAL) AND PARAPET RAILING
 - ㉒ ORNAMENTAL FENCE
 - ㉓ TOPSOIL (4") SEE LANDSCAPING SHEETS FOR SEED TYPE
 - ㉔ CONCRETE MEDIAN (SPECIAL)
 - ㉕ PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
 - ㉖ TOPSOIL (24") SEEDING, CLASS 2A
 - ㉗ CONCRETE BARRIER BASE (SPECIAL)
 - ㉘ HMA BINDER COURSE, IL-19.0, N70; 10"
 - ㉙ AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - ㉚ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ㉛ SUBBASE GRANULAR MATERIAL, TYPE B 4"



MODEL: SH06LNAME5
 FILE NAME: ...035-TYPICALS021.Typ



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DATE	-	7/28/2023	REVISED	-

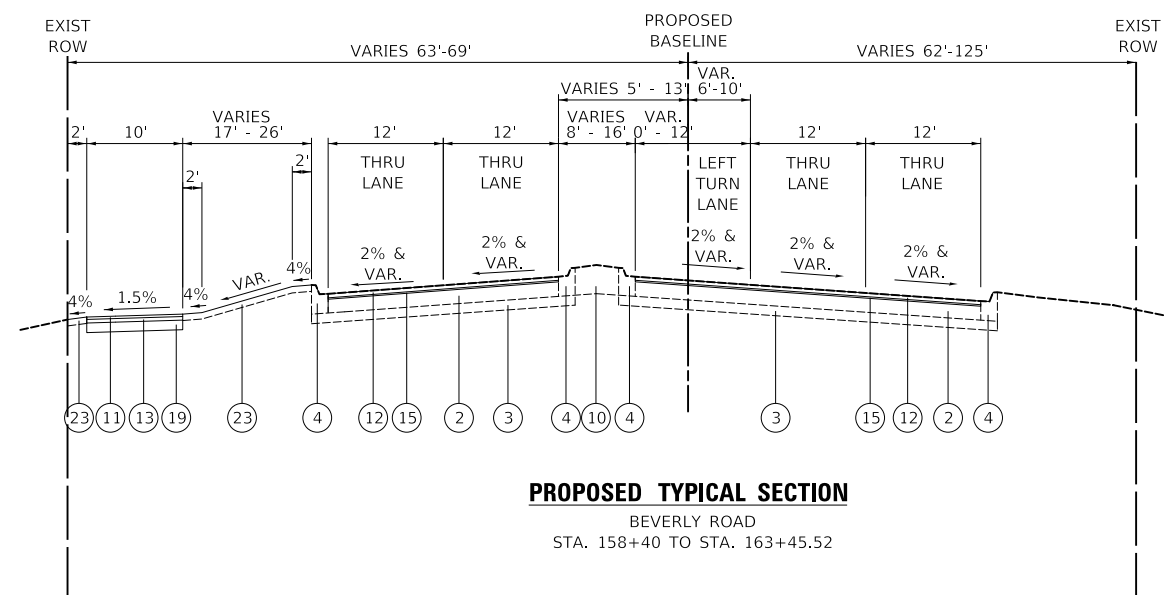
VILLAGE OF HOFFMAN ESTATES

NOT TO SCALE		SHEET 5 OF 7 SHEETS
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	23
				CONTRACT NO. 61J88
				ILLINOIS

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	CHWD	
	NO.	



PROPOSED TYPICAL SECTION
BEVERLY ROAD
STA. 158+40 TO STA. 163+45.52

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PROPOSED RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
PROPOSED RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10"	4% @ 70 GYR.	LR 1030-2
PROPOSED WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
PAVEMENT CONNECTOR (HMA)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; ¾"	3.5% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10"	4% @ 70 GYR.	LR 1030-2
PROPOSED DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 1½"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6½"	4% @ 50 GYR.	LR 1030-2
PROPOSED MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 1½"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2½"	4% @ 50 GYR.	LR 1030-2
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10"	4% @ 70 GYR.	LR 1030-2
CLASS D PATCHES		
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY-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.
- APPLY THE LONGITUDINAL JOINT SEALANT ON THE POLYMERIZED HMA BINDER COURSE, IL 4-75, N50.
- THE CONTRACTOR SHALL MILL THE PAVEMENT BEFORE PATCHING.

LEGEND

- ① EXISTING H.M.A. PAVEMENT
- ② EXISTING REINFORCED P.C.C. PAVEMENT
- ③ EXISTING AGGREGATE BASE
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING P.C.C. SIDEWALK
- ⑥ EXISTING P.C.C. MEDIAN
- ⑦ EXISTING H.M.A. SHOULDER
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- ⑨ EXISTING GUARDRAIL
- ⑩ EXISTING LANDSCAPED MEDIAN
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- ⑬ HMA BINDER COURSE, IL-19.0, N50, 2½"
- ⑭ PCC BASE COURSE, 10"
- ⑮ POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
- ⑯ PCC BASE COURSE WIDENING, 10"
- ⑰ SUBBASE GRANULAR MATERIAL, TYPE B, 6"
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- ⑳ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ㉑ CONCRETE BARRIER WALL (SPECIAL) AND PARAPET RAILING
- ㉒ ORNAMENTAL FENCE
- ㉓ TOPSOIL (4") SEE LANDSCAPING SHEETS FOR SEED TYPE
- ㉔ CONCRETE MEDIAN (SPECIAL)
- ㉕ PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- ㉖ TOPSOIL (24") SEEDING, CLASS 2A
- ㉗ CONCRETE BARRIER BASE (SPECIAL)
- ㉘ HMA BINDER COURSE, IL-19.0, N70; 10"
- ㉙ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ㉚ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ㉛ SUBBASE GRANULAR MATERIAL, TYPE B 4"



MODEL: SH06LNAME5
FILE NAME: ...032-TYPICALS0321.Typ



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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES

TYPICAL SECTIONS

NOT TO SCALE SHEET 7 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	25
				CONTRACT NO. 61J88
ILLINOIS				

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

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

EARTHWORK SUMMARY			
LINE		SY	CY
1	PROPOSED TOPSOIL (4")	5080	564
2	PROPOSED TOPSOIL (24")	842	561
3	TOPSOIL STRIPPING		1583
4	TOPSOIL EXCAVATION AND PLACEMENT (EQUAL TO LINE 1 PLUS LINE 2)		1126
5	EXCESS TOPSOIL EXCAVATION AND DISPOSAL (PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL) (LINE 3 MINUS LINE 4)		457
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUTS)		66
7	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CONTINGENCY)		90
8	TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (SUM OF LINES 5, 6 AND 7)		613
9	EXCAVATION (ROADWAY + BIKEPATH)		1030
10	TOTAL EARTH EXCAVATION (LINE 10)		1030
11	EARTH EXCAVATION AVAILABLE FOR EMBANKMENT ((1 - SHRINKAGE FACTOR) TIMES (LINE 10))		875
12	EMBANKMENT REQUIRED		3304
13	FURNISHED EXCAVATION (LINE 12 MINUS LINE 11)		2428

THE SHRINKAGE FACTOR SHALL BE 15%.

MODEL: SMODEL\MAMES
FILE NAME: ...3021-Earthwork Schedules.dgn



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VILLAGE OF HOFFMAN ESTATES

SCHEDULE OF EARTHWORK

SHEET 2 OF 2 SHEETS

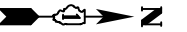
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	27
ILLINOIS			CONTRACT NO. 61J88	

CONTROL POINTS

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1	68,339.339	14,143.669	163+27.26	48.56' RT	SET CROSS CUT
2	67,842.341	14,099.629	158+30.29	4.31' RT	SET CROSS CUT
3	67,166.840	14,160.494	151+50.00	0.63' RT	SET CROSS CUT
4	66,836.920	14,225.321	148+13.82	6.56' RT	SET CROSS CUT
5	66,161.923	14,327.517	141+30.81	6.33' LT	SET MAGNAIL
6	65,785.931	14,346.480	137+53.76	3.56' RT	SET MAGNAIL

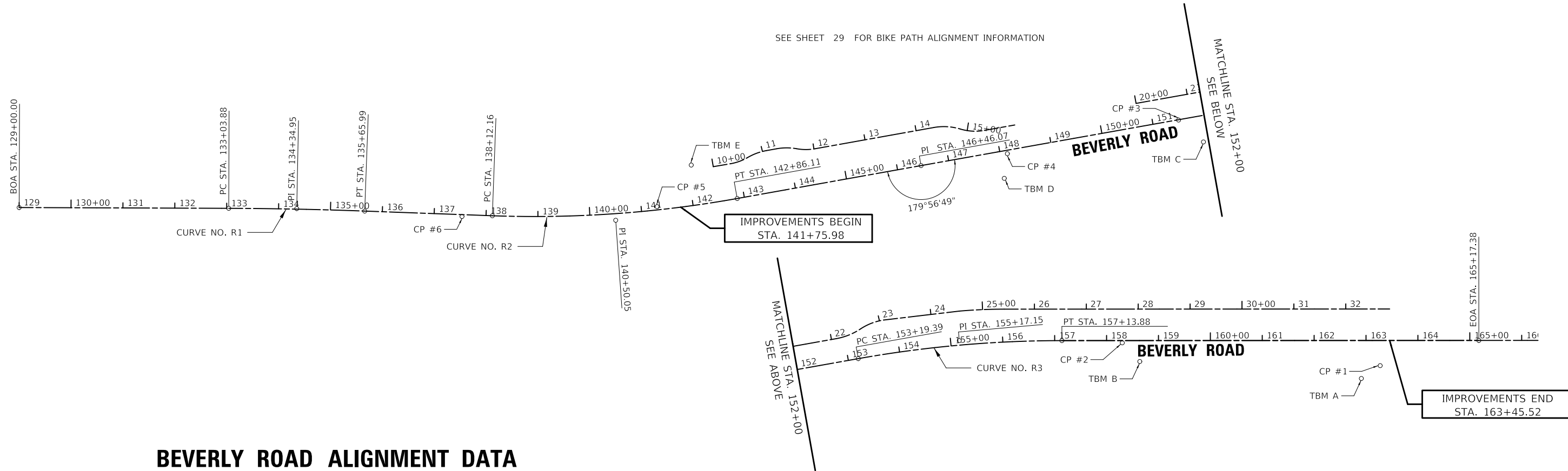
BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
A	STA. 162+91, 73' RT	851.99	BOX CUT ON WEST SIDE OF CONCRETE LIGHT POLE BASE
B	STA. 158+64, 40' RT	854.32	BOX CUT ON WEST SIDE OF CONCRETE LIGHT POLE BASE
C	STA. 151+90, 51' RT	865.49	BOX CUT ON NORTHWEST CORNER OF TRAFFIC SIGNAL VAULT
D	STA. 148+00, 52' RT	868.36	BOX CUT ON WEST SIDE OF CONCRETE LIGHT POLE BASE
E	STA. 142+08, 78' LT	858.68	BOX CUT ON NORTHWEST CORNER OF TRAFFIC SIGNAL VAULT



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	GRADE CHECKED
	STRUCTURE NOTATION CHECKED
	FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATION CHECKED
	FILE NAME
	NO.



BEVERLY ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	129+00.00	64,932.497	14,329.227
PC	133+03.88	65,336.378	14,330.763
PI	134+34.95	65,467.442	14,331.261
PT	135+65.99	65,598.420	14,336.053
PC	138+12.16	65,844.429	14,345.053
PI	140+50.05	66,082.152	14,353.749
PT	142+86.11	66,316.304	14,311.792
PI	146+46.07	66,670.616	14,248.302
PC	153+19.39	67,333.489	14,130.154
PI	155+17.15	67,528.179	14,095.454
PT	157+13.88	67,725.937	14,095.369
EOA	165+17.38	68,529.435	14,095.026

BEVERLY ROAD		
CURVE NO. R1	CURVE NO. R2	CURVE NO. R3
PI STA. = 134+34.95	PI STA. = 140+50.05	PI STA. = 155+17.15
$\Delta = 01^\circ 52' 37.94''$ (RT)	$\Delta = 12^\circ 15' 15.00''$ (LT)	$\Delta = 10^\circ 04' 53.76''$ (RT)
D = 00° 42' 58.31"	D = 02° 35' 07.98"	D = 02° 33' 20.04"
R = 8,000.00'	R = 2,216.00'	R = 2,242.00'
T = 131.07'	T = 237.88'	T = 197.76'
L = 262.11'	L = 473.95'	L = 394.50'
E = 1.07'	E = 12.73'	E = 8.70'
P.C. STA. = 133+03.88	P.C. STA. = 138+12.16	P.C. STA. = 153+19.39
P.T. STA. = 135+65.99	P.T. STA. = 142+86.11	P.T. STA. = 157+13.88

NOTE:
 BOA = BEGINNING OF ALIGNMENT
 PC = POINT OF CURVATURE
 PT = POINT OF TANGENCY
 PRC = POINT OF REVERSE CURVATURE
 PI = POINT OF INTERSECTION
 EOA = END OF ALIGNMENT
 TBM = TEMPORARY BENCHMARK
 CP = CONTROL POINT

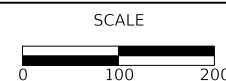
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 FILE NAME: ...33021-ATB



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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



ALIGNMENT, TIES, AND BENCHMARKS

SHEET 1 OF 2 SHEETS STA. 129+00.00 TO STA. 165+17.38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	28
				CONTRACT NO. 61J88
ILLINOIS				

BEVERLY ROAD SOUTHERN BIKE PATH ALIGNMENT DATA

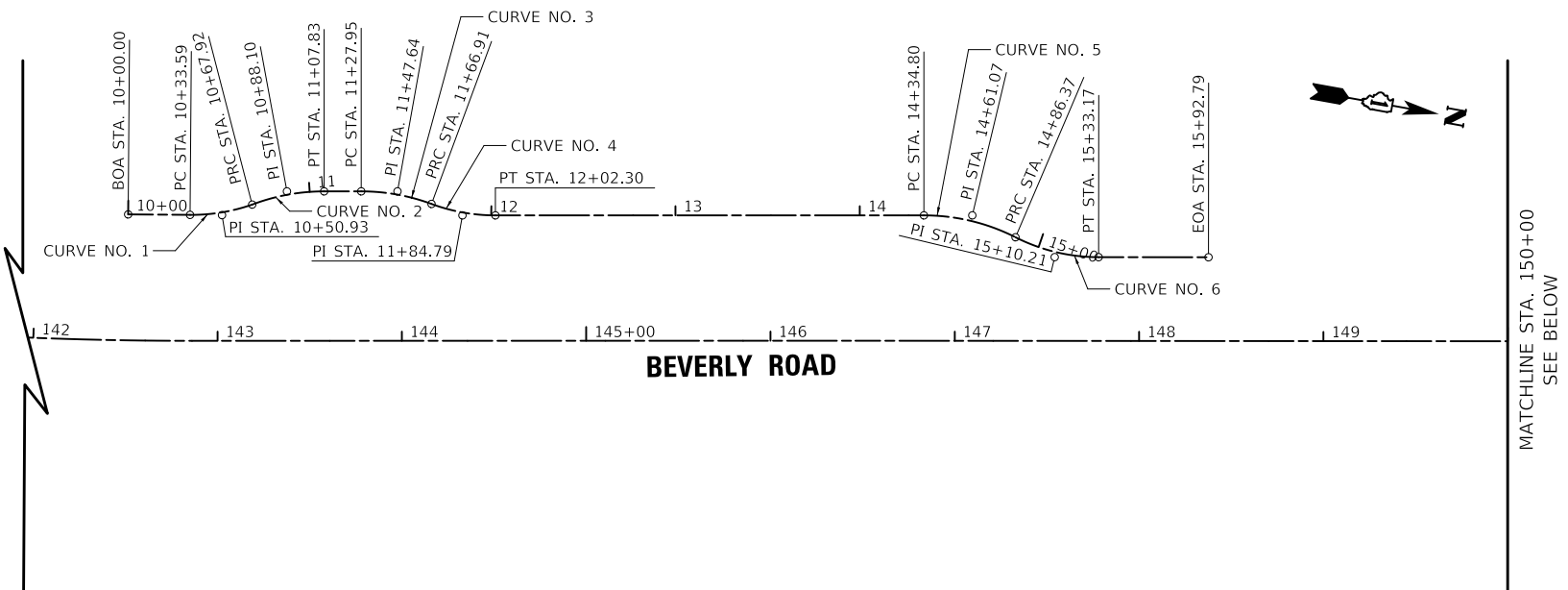
POINT	STATION	NORTHING	EASTING
BOA	10+00.00	66,270.137	14,250.407
PC	10+33.59	66,303.249	14,244.743
PI	10+50.93	66,320.334	14,241.820
PRC	10+67.92	66,335.439	14,233.318
PI	10+88.10	66,352.744	14,222.941
PT	11+07.83	66,372.606	14,219.382
PC	11+27.95	66,932.413	14,215.833
PI	11+47.64	66,411.787	14,212.361
PRC	11+66.91	66,431.163	14,215.823
PI	11+84.79	66,448.770	14,218.969
PT	12+02.30	66,466.375	14,215.817
PC	14+34.80	66,695.233	14,174.843
PI	14+61.07	66,721.089	14,170.214
PRC	14+86.37	66,746.247	14,177.766
PI	15+10.21	66,769.079	14,184.620
PT	15+33.17	66,792.547	14,180.437
EOA	15+92.79	66,851.239	14,169.976

BEVERLY ROAD NORTHERN BIKE PATH ALIGNMENT DATA

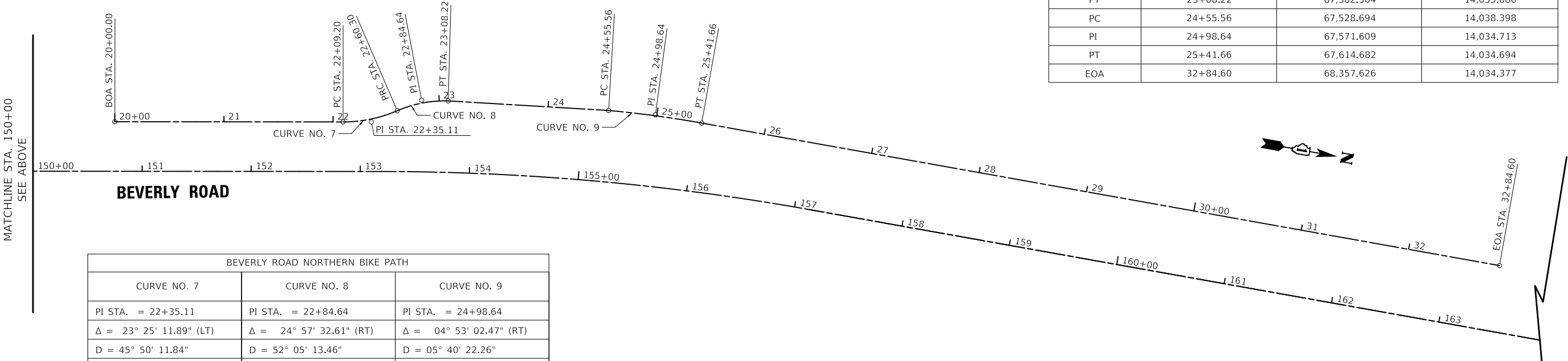
POINT	STATION	NORTHING	EASTING
BOA	20+00.00	67,084.931	14,128.324
PC	22+09.20	67,290.890	14,091.615
PI	22+35.11	67,316.397	14,087.068
PRC	22+60.30	67,337.995	14,072.759
PI	22+84.64	67,358.290	14,059.312
PT	23+08.22	67,382.364	14,055.686
PC	24+55.56	67,528.694	14,038.398
PI	24+98.64	67,571.609	14,034.713
PT	25+41.66	67,614.682	14,034.694
EOA	32+84.60	68,357.626	14,034.377

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
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	STRUCTURE NOTATIONS CHECKED	
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	FILE NAME	



BEVERLY ROAD SOUTHERN BIKE PATH					
CURVE NO. 1	CURVE NO. 2	CURVE NO. 3	CURVE NO. 4	CURVE NO. 5	CURVE NO. 6
PI STA. = 10+50.93	PI STA. = 10+88.10	PI STA. = 11+47.64	PI STA. = 11+84.79	PI STA. = 14+61.07	PI STA. = 15+10.21
$\Delta = 19^\circ 40' 02.01''$ (LT)	$\Delta = 20^\circ 47' 21.96''$ (RT)	$\Delta = 20^\circ 17' 22.27''$ (RT)	$\Delta = 20^\circ 16' 51.72''$ (LT)	$\Delta = 26^\circ 51' 37.61''$ (RT)	$\Delta = 26^\circ 48' 57.40''$ (LT)
D = 57° 17' 44.81"	D = 52° 05' 15.23"	D = 52° 05' 13.46"	D = 57° 17' 44.84"	D = 52° 05' 13.46"	D = 57° 17' 45.44"
R = 100.00'	R = 110.00'	R = 110.00'	R = 100.00'	R = 110.00'	R = 100.00'
T = 17.33'	T = 20.18'	T = 19.68'	T = 17.89'	T = 26.27'	T = 23.84'
L = 34.33'	L = 39.91'	L = 38.95'	L = 35.40'	L = 51.57'	L = 46.80'
E = 1.49'	E = 1.84'	E = 1.75'	E = 1.59'	E = 3.09'	E = 2.80'
P.C. STA. = 10+33.59	P.R.C. STA. = 10+67.92	P.C. STA. = 11+27.95	P.R.C. STA. = 11+66.91	P.C. STA. = 14+34.80	P.R.C. STA. = 14+86.37
P.R.C. STA. = 10+67.92	P.T. STA. = 11+07.83	P.R.C. STA. = 11+66.91	P.T. STA. = 12+02.30	P.R.C. STA. = 14+86.37	P.T. STA. = 15+33.17



BEVERLY ROAD NORTHERN BIKE PATH		
CURVE NO. 7	CURVE NO. 8	CURVE NO. 9
PI STA. = 22+35.11	PI STA. = 22+84.64	PI STA. = 24+98.64
$\Delta = 23^\circ 25' 11.89''$ (LT)	$\Delta = 24^\circ 57' 32.61''$ (RT)	$\Delta = 04^\circ 53' 02.47''$ (RT)
D = 45° 50' 11.84"	D = 52° 05' 13.46"	D = 05° 40' 22.26"
R = 125.00'	R = 110.00'	R = 1,010.00'
T = 25.91'	T = 24.35'	T = 43.07'
L = 51.09'	L = 47.92'	L = 86.10'
E = 2.66'	E = 2.66'	E = 0.92'
P.C. STA. = 22+09.20	P.C. STA. = 22+60.30	P.C. STA. = 24+55.56
P.T. STA. = 22+60.30	P.T. STA. = 23+08.22	P.T. STA. = 25+41.66

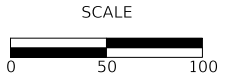
NOTE:
 BOA = BEGINNING OF ALIGNMENT
 PC = POINT OF CURVATURE
 PT = POINT OF TANGENCY
 PRC = POINT OF REVERSE CURVATURE
 PI = POINT OF INTERSECTION
 EOA = END OF ALIGNMENT
 TBM = TEMPORARY BENCHMARK
 CP = CONTROL POINT



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VILLAGE OF HOFFMAN ESTATES



ALIGNMENT, TIES, AND BENCHMARKS

SHEET 2 OF 2 SHEETS STA. 10+00.00 TO STA. 32+84.60

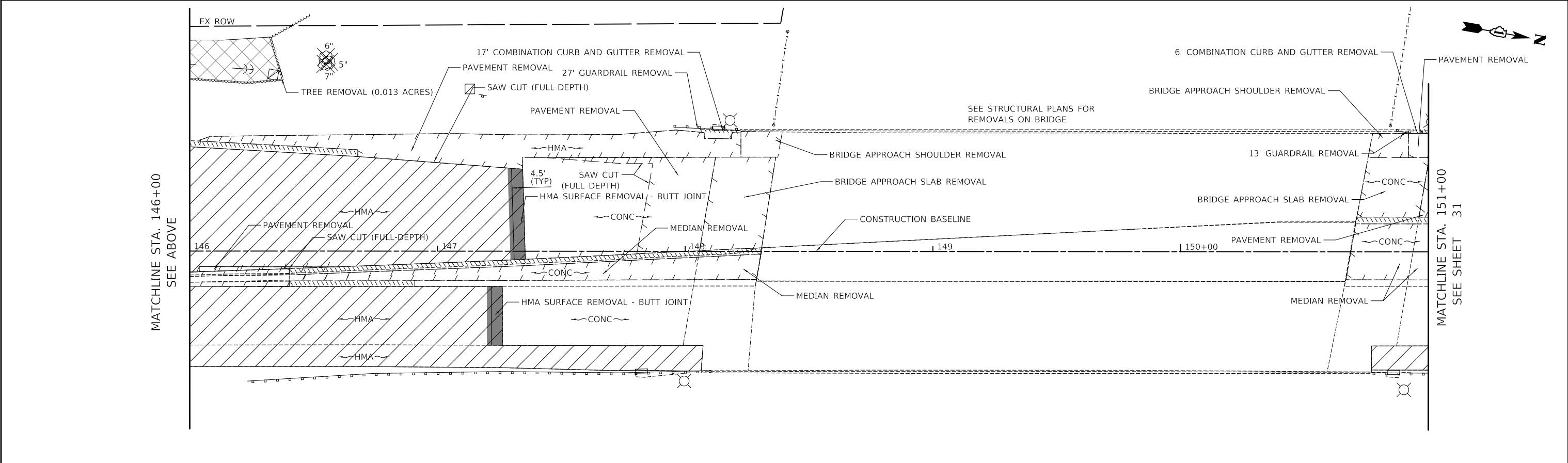
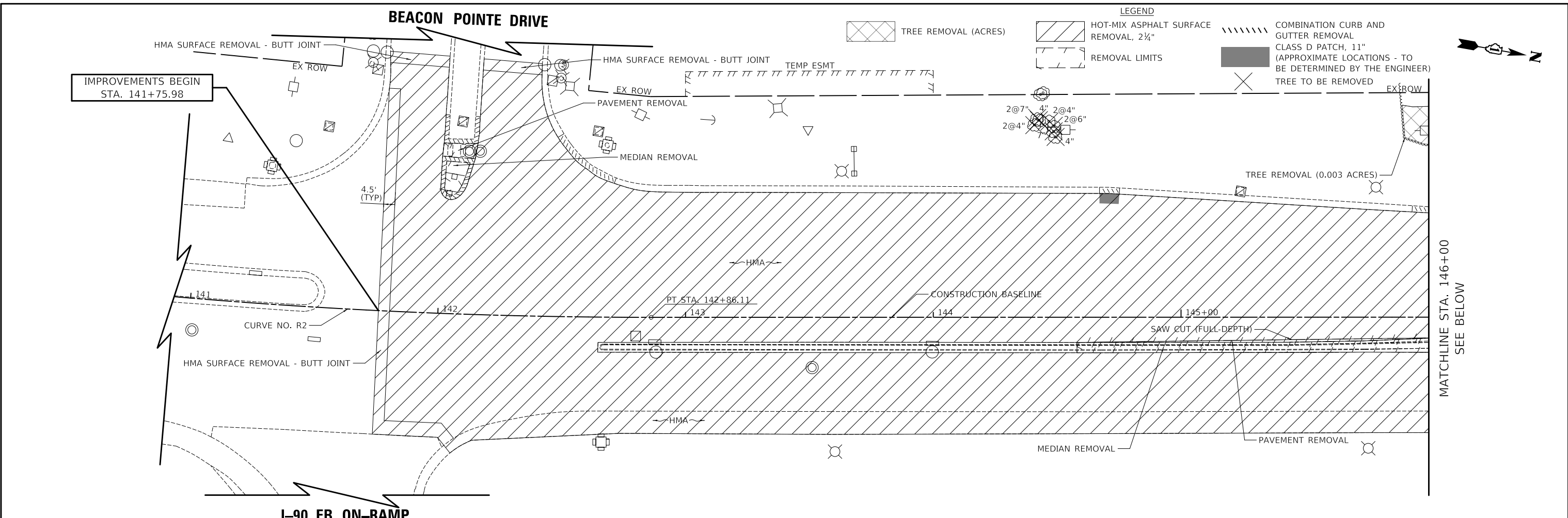
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	29
CONTRACT NO. 61J88				
ILLINOIS				

MODEL: SMODELNAMRES
 FILE NAME: ...3021-ATB BP

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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	STRUCTURE NOTATIONS CHECKED	

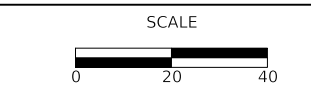
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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



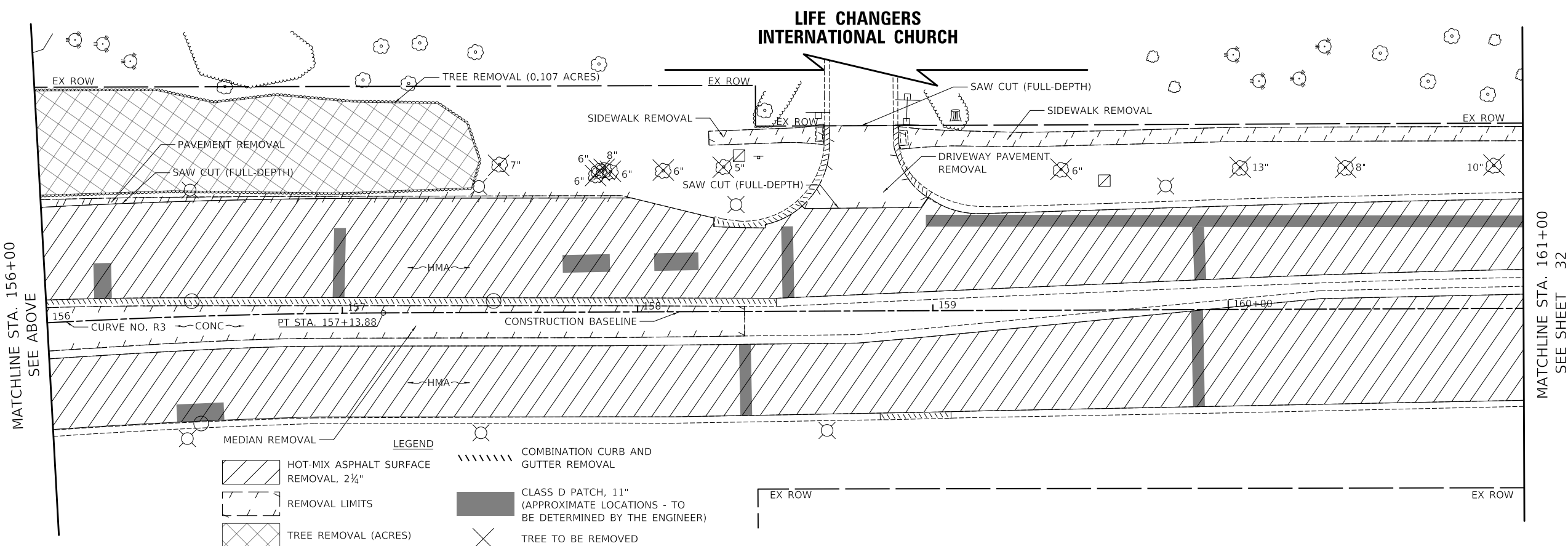
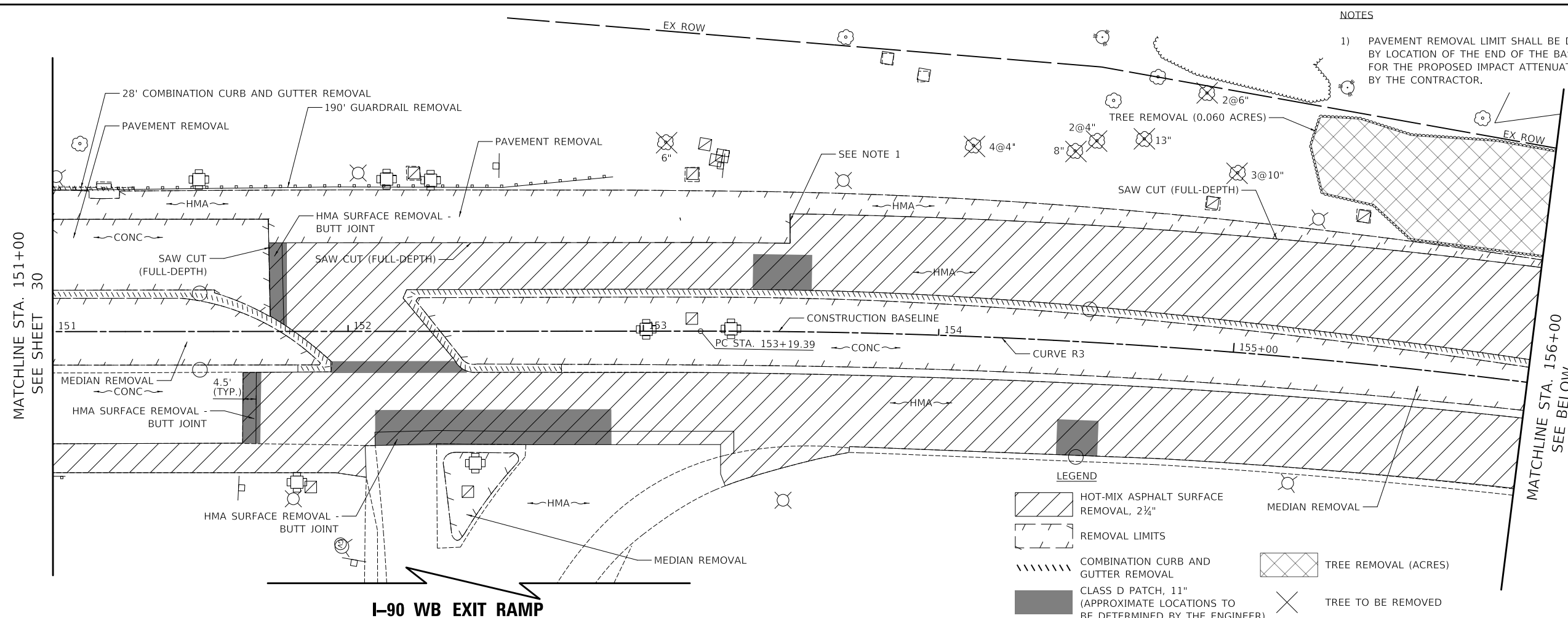
REMOVAL PLAN	
SHEET 1 OF 3 SHEETS	STA. 141+75.98 TO STA. 151+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	30
				CONTRACT NO. 61J88
ILLINOIS				

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

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

MODEL: SH06L1M1M5
FILE NAME: ...106-Removals1921-1-16-rem.dgn



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VILLAGE OF HOFFMAN ESTATES



REMOVAL PLAN

SHEET 2 OF 3 SHEETS STA. 151+00.00 TO STA. 161+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	31
ILLINOIS			CONTRACT NO. 61J88	

BEACON POINTE DRIVE

LEGEND

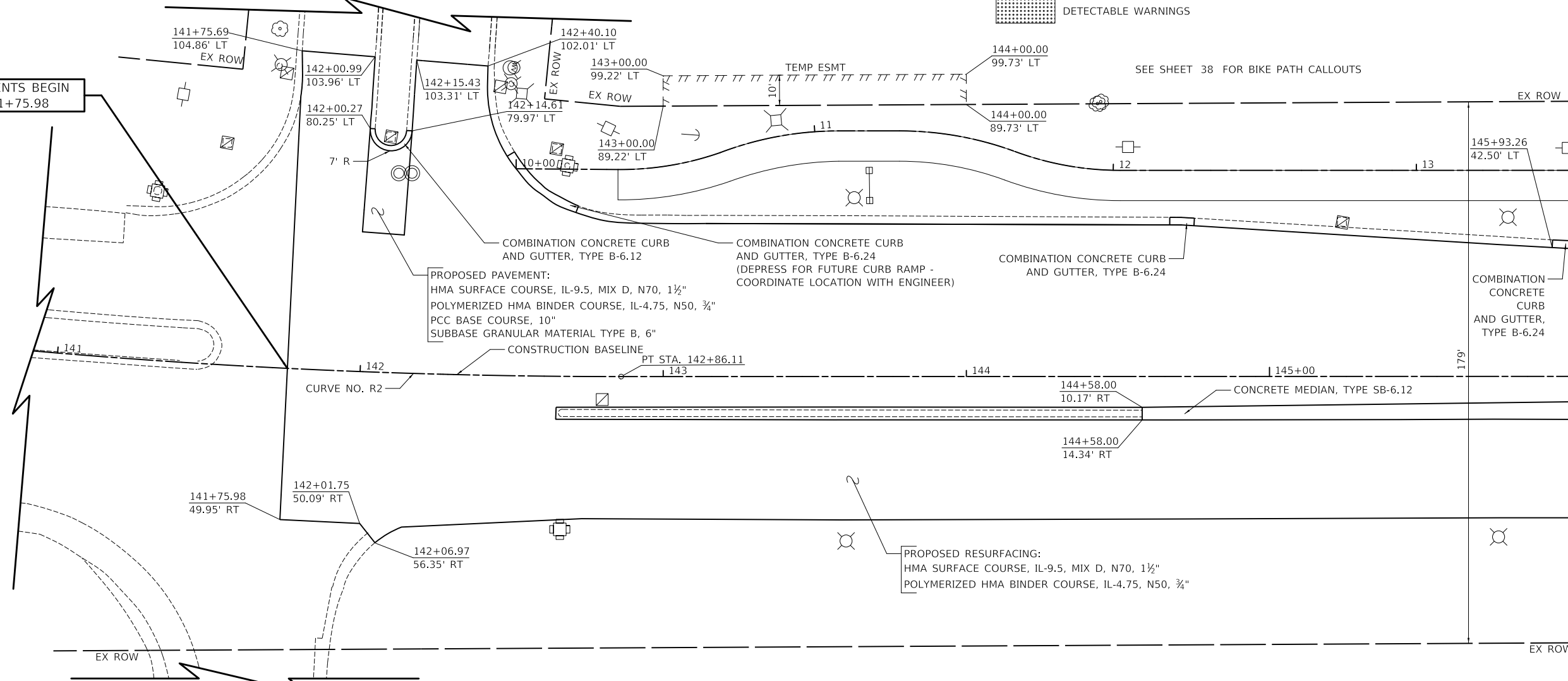
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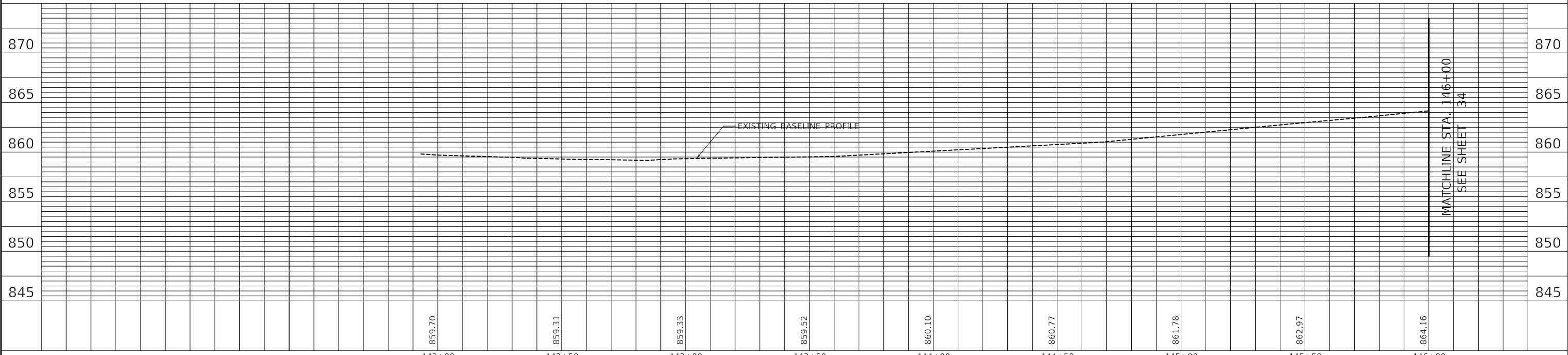
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PROFILE	SURVEYED	DATE
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	NOTE BOOK	

IMPROVEMENTS BEGIN
STA. 141+75.98



I-90 EB ON-RAMP



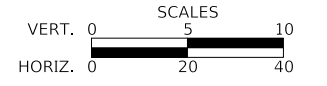
MATCHLINE STA. 146+00
SEE SHEET 34

MATCHLINE STA. 146+00
SEE SHEET 34

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VILLAGE OF HOFFMAN ESTATES



ROADWAY PLAN AND PROFILE

SHEET 1 OF 5 SHEETS STA. 141+75.98 TO STA. 146+00.00

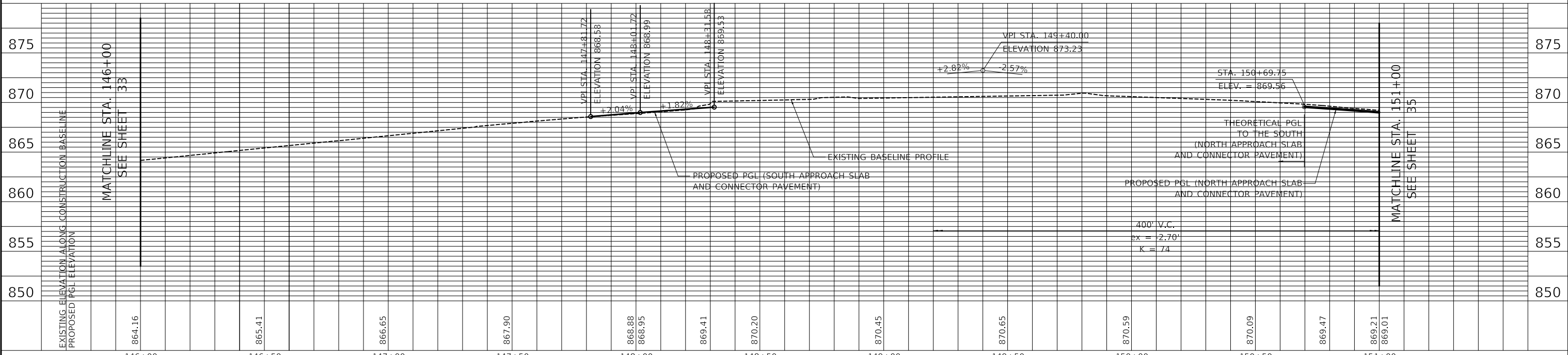
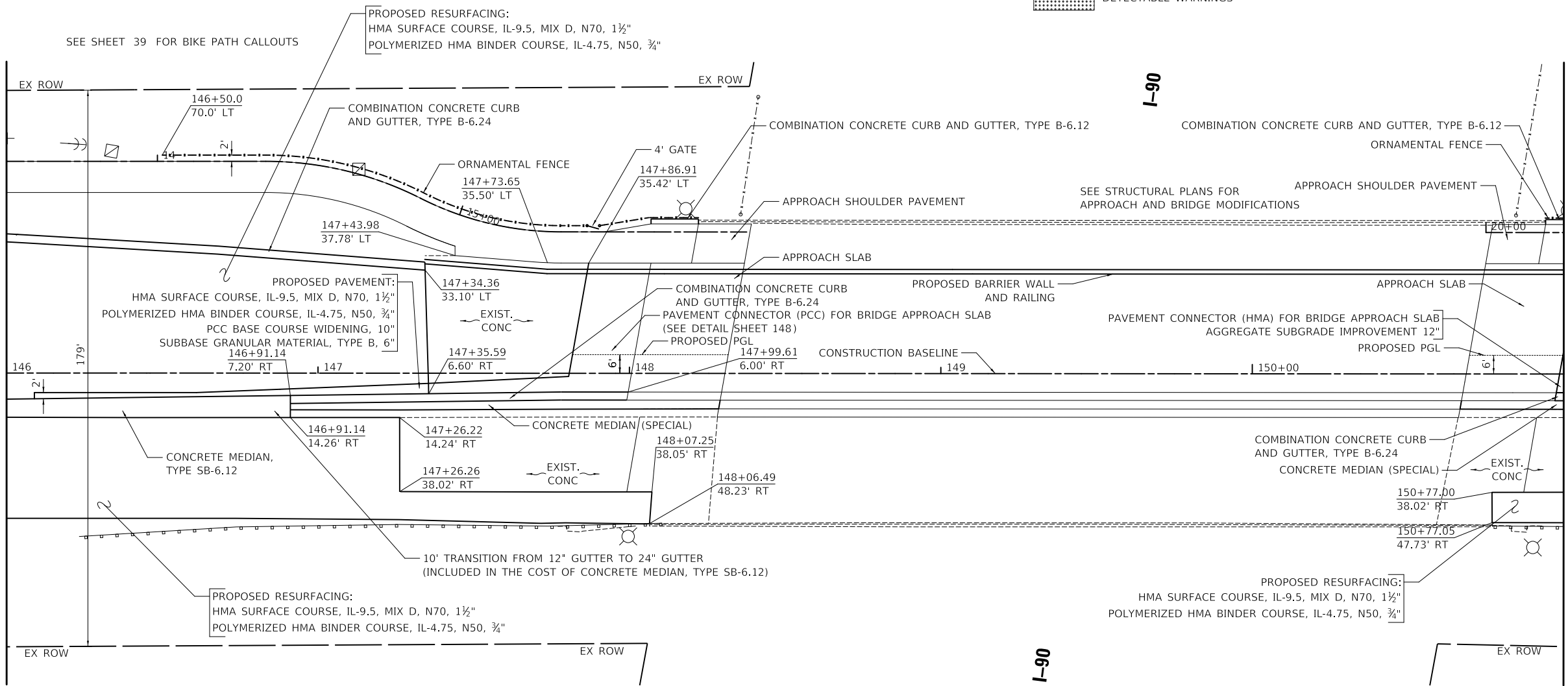
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	33
CONTRACT NO. 61J88				
ILLINOIS				

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

DATE	
BY	
PROFILE	
NO.	
NO.	
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NO.	
NO.	
NO.	

MATCHLINE STA. 146+00
SEE SHEET 33

MATCHLINE STA. 151+00
SEE SHEET 35

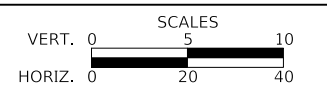


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DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES



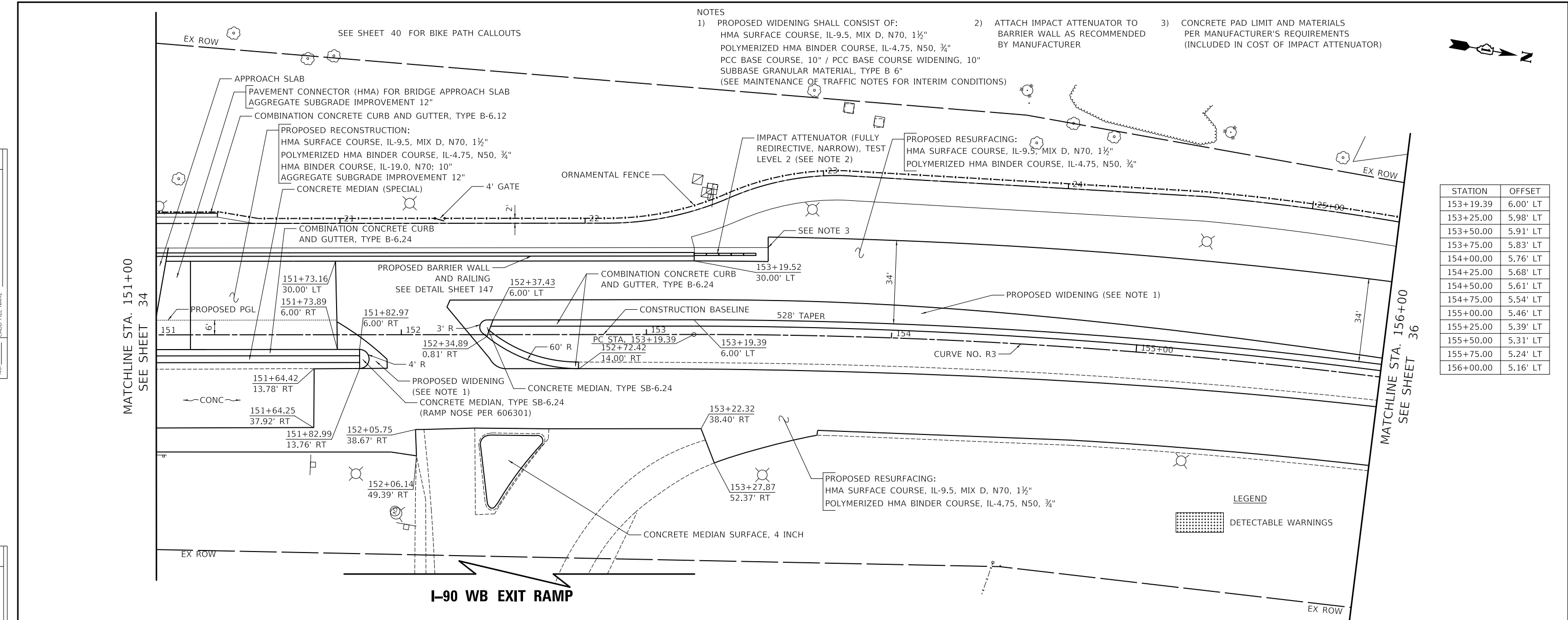
ROADWAY PLAN AND PROFILE

SHEET 2 OF 5 SHEETS STA. 146+00.00 TO STA. 151+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	34
CONTRACT NO. 61J88			ILLINOIS	

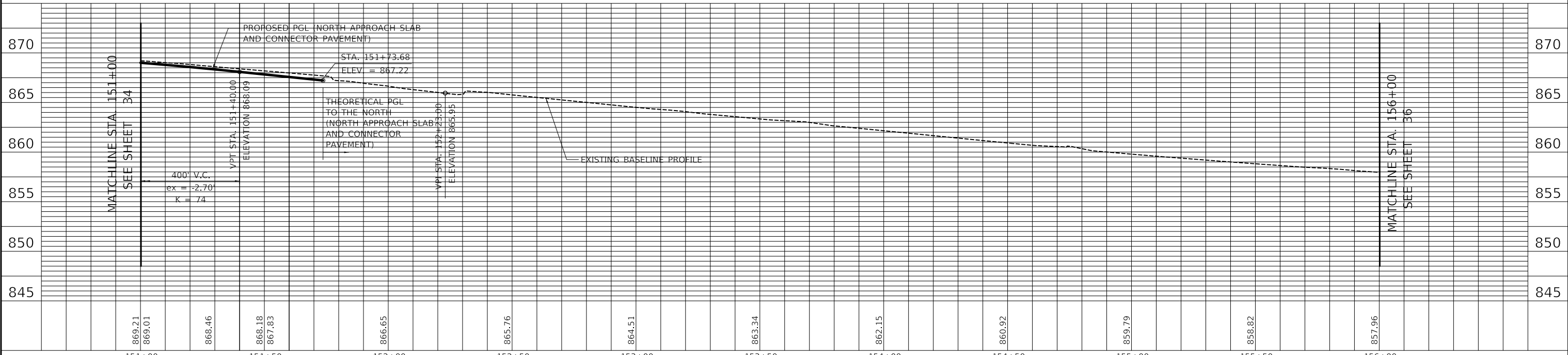
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	PLOTTED	BY
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	NO.	
	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	NO.	
	NO.	
	NO.	



- NOTES
- 1) PROPOSED WIDENING SHALL CONSIST OF:
 HMA SURFACE COURSE, IL-9.5, MIX D, N70, 1 1/2"
 POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
 PCC BASE COURSE, 10" / PCC BASE COURSE WIDENING, 10"
 SUBBASE GRANULAR MATERIAL, TYPE B 6"
 (SEE MAINTENANCE OF TRAFFIC NOTES FOR INTERIM CONDITIONS)
 - 2) ATTACH IMPACT ATTENUATOR TO BARRIER WALL AS RECOMMENDED BY MANUFACTURER
 - 3) CONCRETE PAD LIMIT AND MATERIALS PER MANUFACTURER'S REQUIREMENTS (INCLUDED IN COST OF IMPACT ATTENUATOR)

STATION	OFFSET
153+19.39	6.00' LT
153+25.00	5.98' LT
153+50.00	5.91' LT
153+75.00	5.83' LT
154+00.00	5.76' LT
154+25.00	5.68' LT
154+50.00	5.61' LT
154+75.00	5.54' LT
155+00.00	5.46' LT
155+25.00	5.39' LT
155+50.00	5.31' LT
155+75.00	5.24' LT
156+00.00	5.16' LT

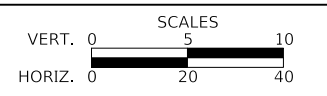


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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



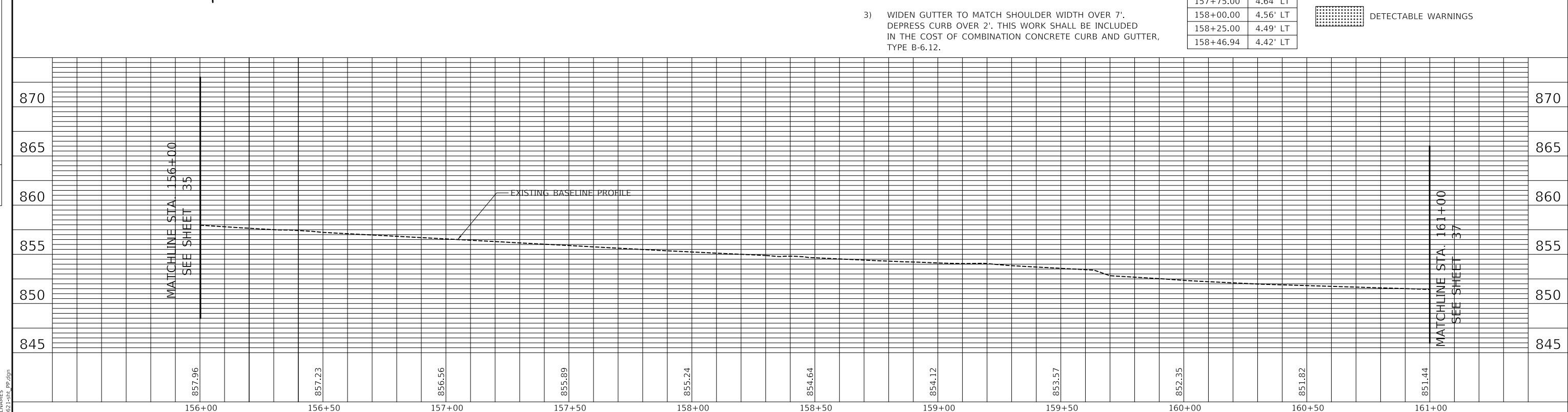
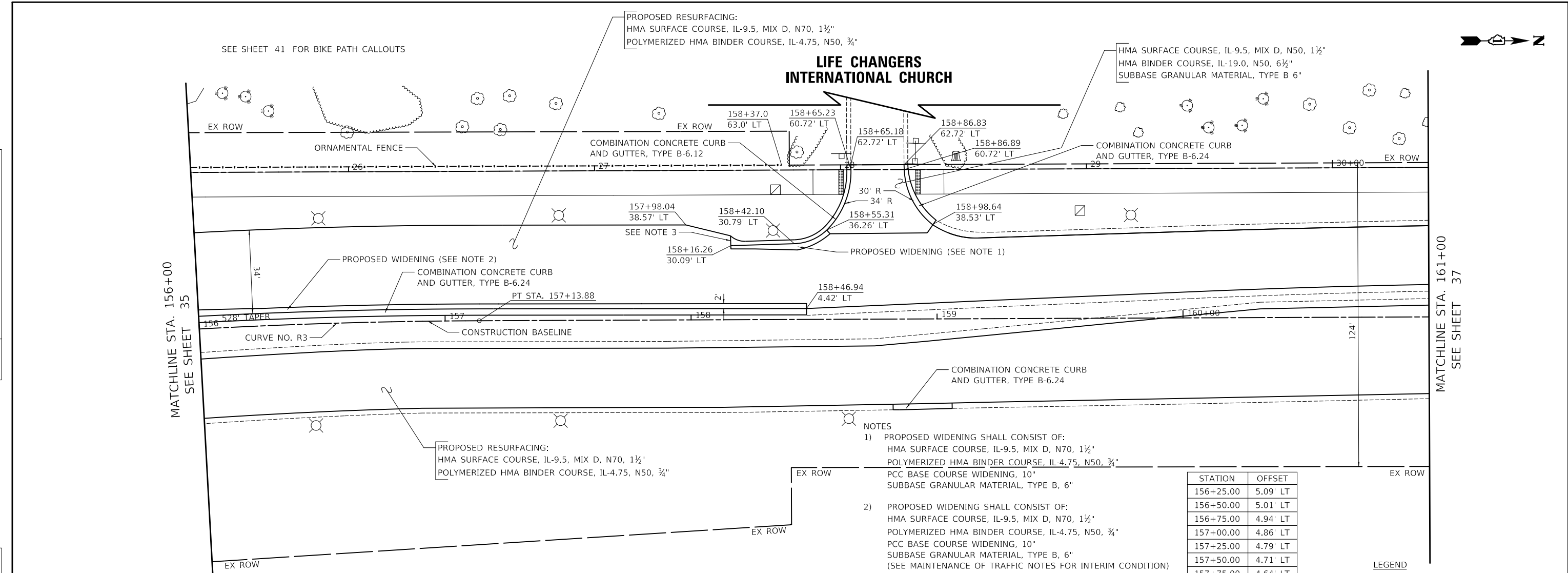
ROADWAY PLAN AND PROFILE

F.A.U. RTE. 3725 SECTION 19-00106-00-RS COUNTY COOK TOTAL SHEETS 171 SHEET NO. 35

SHEET 3 OF 5 SHEETS STA. 151+00.00 TO STA. 156+00.00 ILLINOIS CONTRACT NO. 61J88

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

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



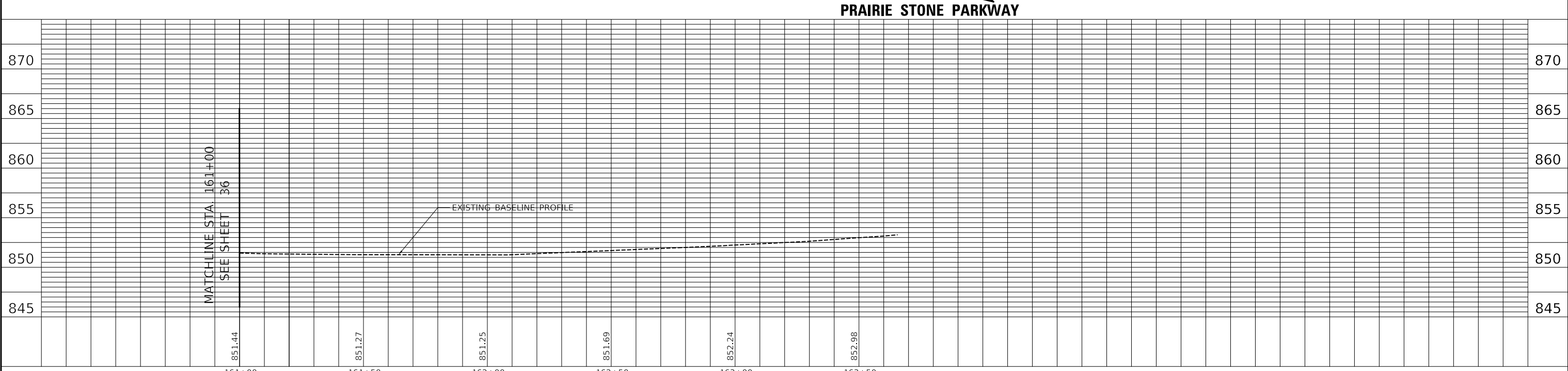
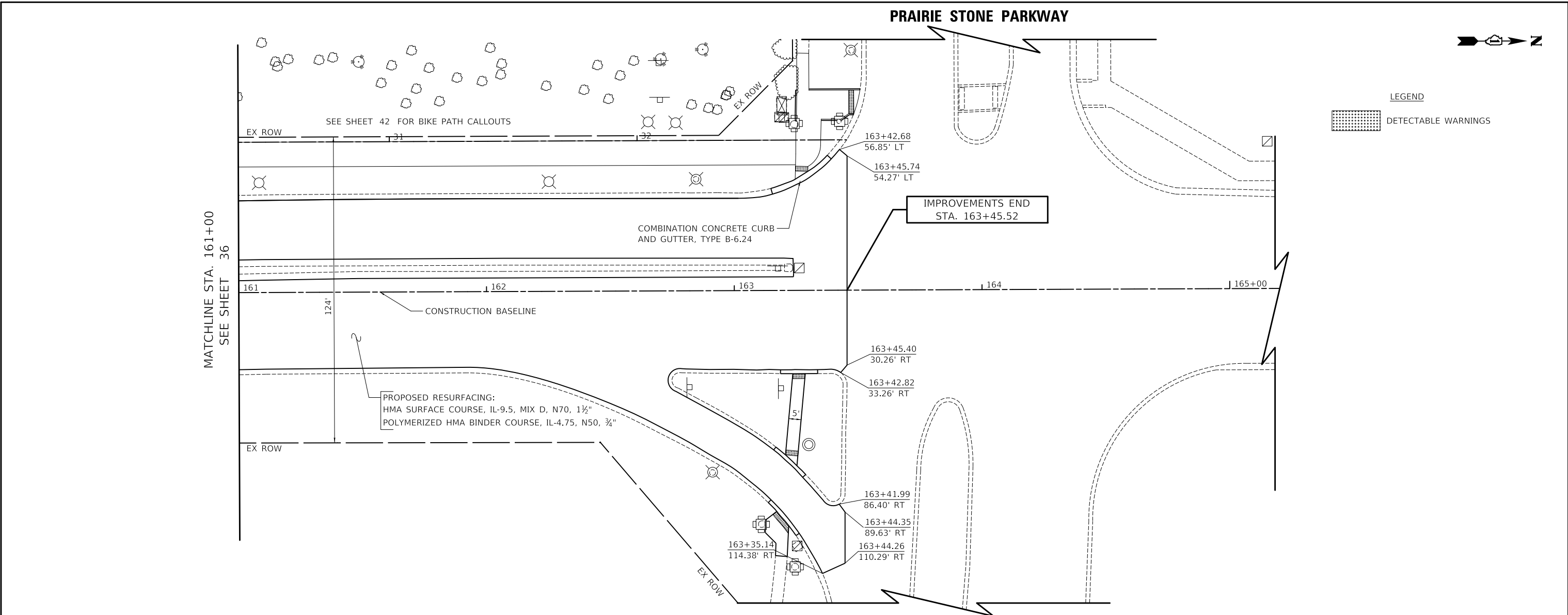
DESIGNED - KDC	REVISED -	VILLAGE OF HOFFMAN ESTATES VERT. 0 5 10 HORIZ. 0 20 40 ROADWAY PLAN AND PROFILE	F.A.U. RTE. 3725	SECTION 19-00106-00-RS	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 36
DRAWN - JFG	REVISED -		CONTRACT NO. 61J88				
CHECKED - DJK	REVISED -		ILLINOIS				
DATE - 7/28/2023	REVISED -		SHEET 4 OF 5 SHEETS STA. 156+00.00 TO STA. 161+00.00				



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

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

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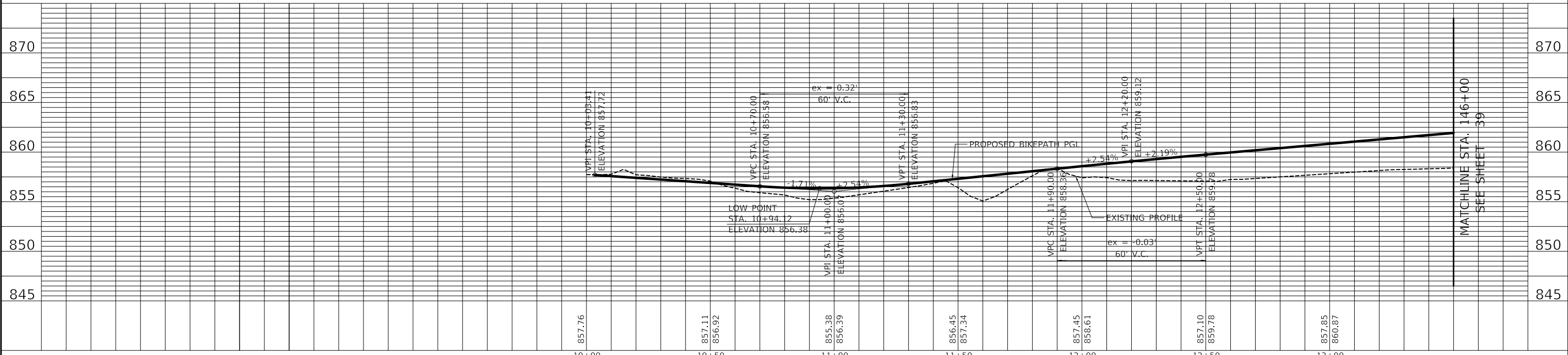
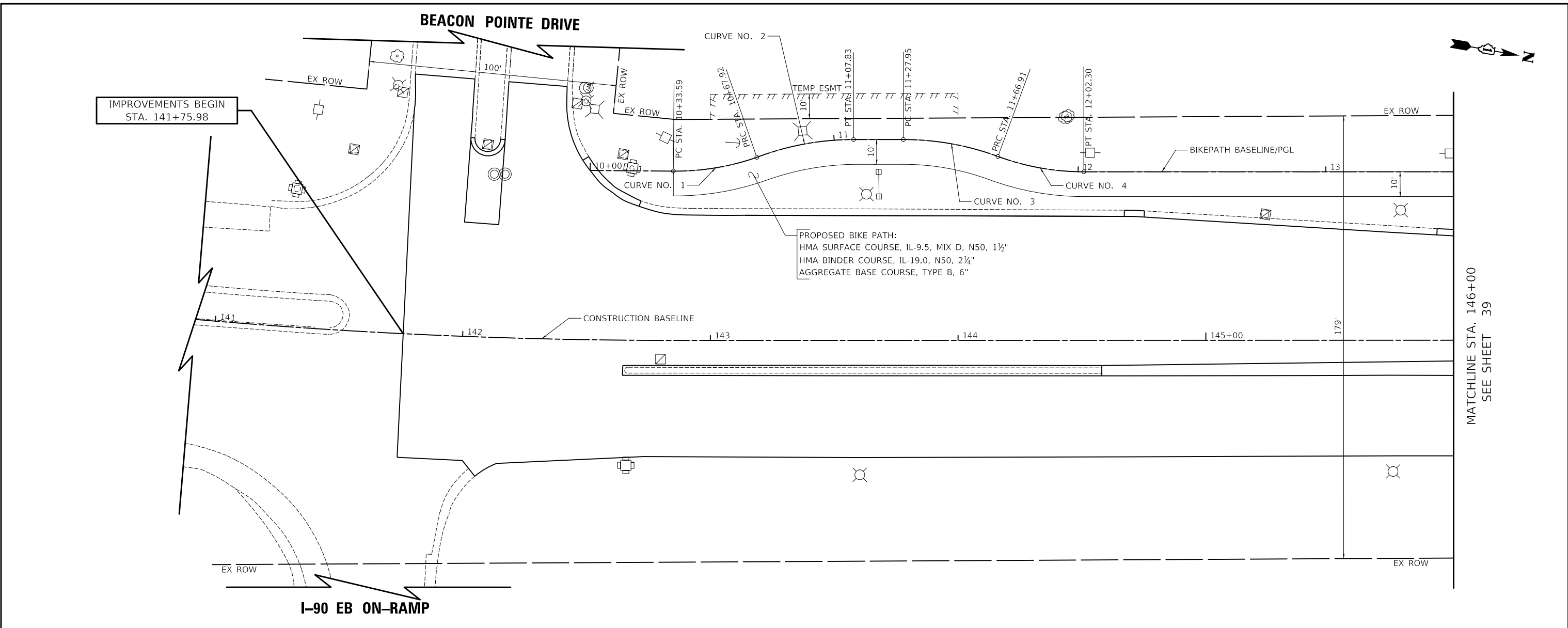
DESIGNED - KDC	REvised -	VILLAGE OF HOFFMAN ESTATES	VERT. 0 5 10 HORIZ. 0 20 40 SCALES	ROADWAY PLAN AND PROFILE		F.A.U. RTE. 3725	SECTION 19-00106-00-RS	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 37		
DRAWN - JFG	REvised -			SHEET 5 OF 5 SHEETS		STA. 161+00.00	TO STA. 163+45.52	CONTRACT NO. 61J88				
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	NOTE BOOK NO.	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK NO.	
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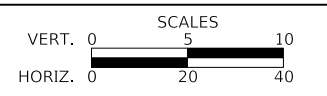
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VILLAGE OF HOFFMAN ESTATES



BIKE PATH PLAN AND PROFILE
SHEET 1 OF 5 SHEETS STA. 141+75.98 TO STA. 146+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	38
ILLINOIS			CONTRACT NO. 61J88	

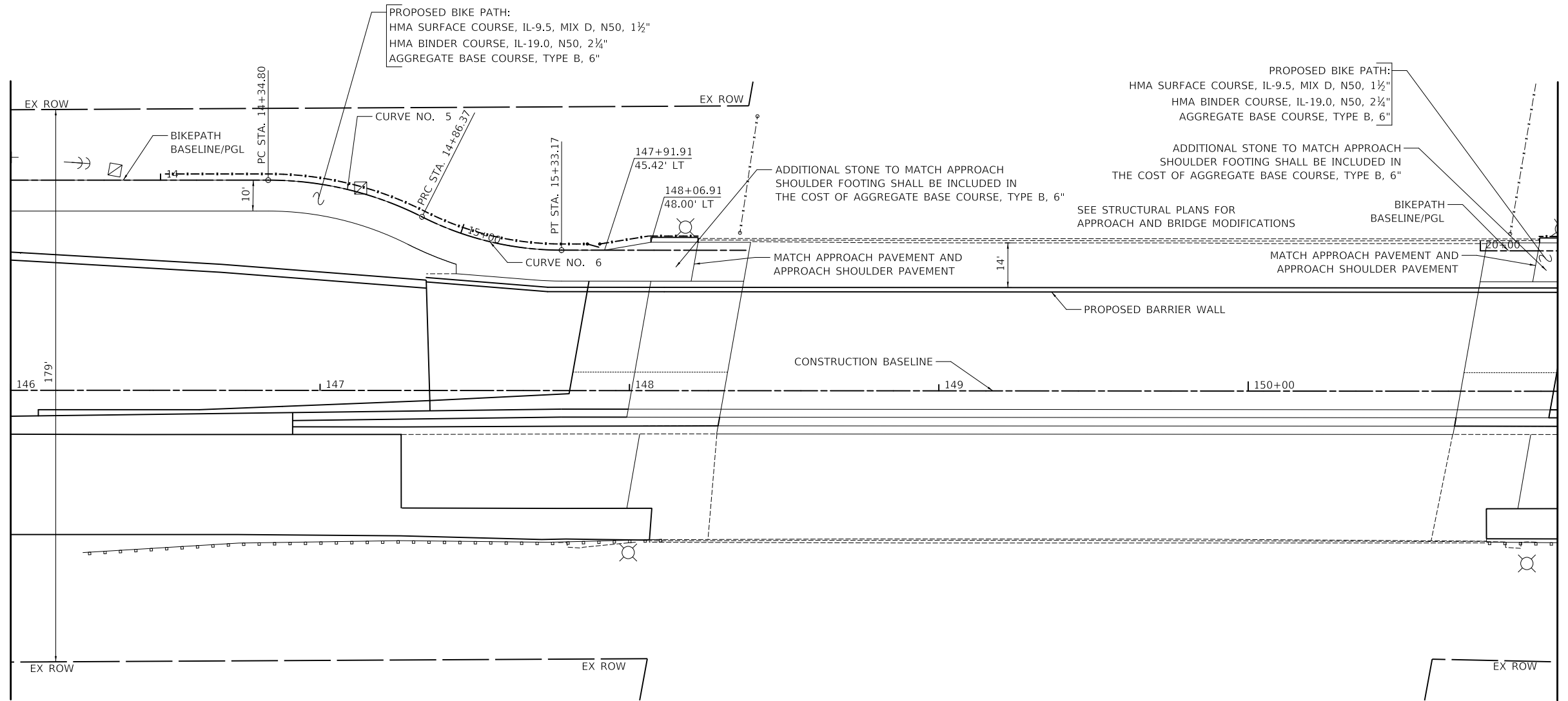
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SEE SHEET 39



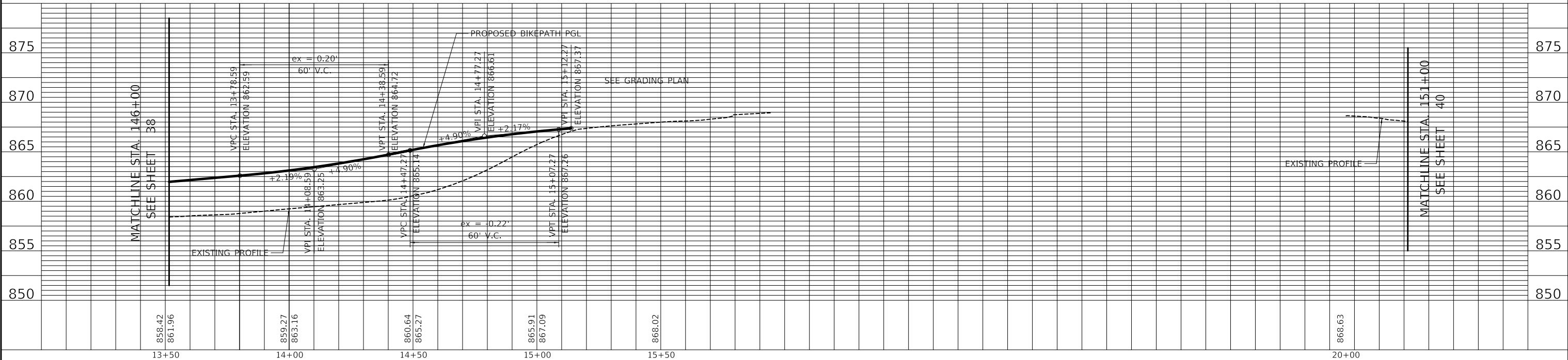
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	PLOTTED	BY
	ALIGNMENT CHECKED	
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	NOTE BOOK NO.	
	CADD FILE NAME	

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

MATCHLINE STA. 146+00
SEE SHEET 38



MATCHLINE STA. 151+00
SEE SHEET 40



MATCHLINE STA. 146+00
SEE SHEET 38

MATCHLINE STA. 151+00
SEE SHEET 40

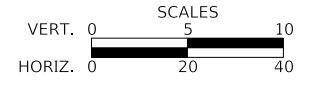
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VILLAGE OF HOFFMAN ESTATES



BIKE PATH PLAN AND PROFILE

F.A.U. RTE. 3725 SECTION 19-00106-00-RS COUNTY COOK TOTAL SHEETS 171 SHEET NO. 39

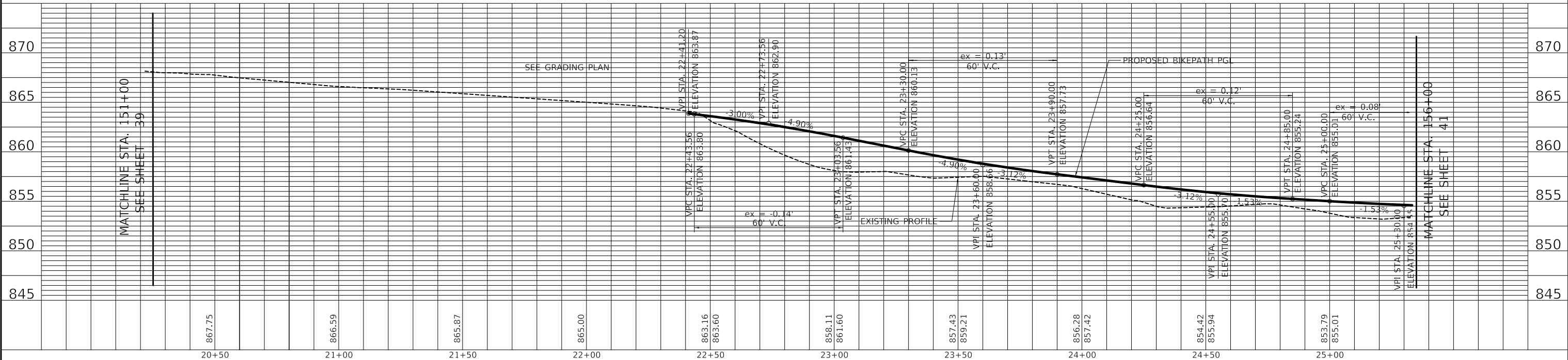
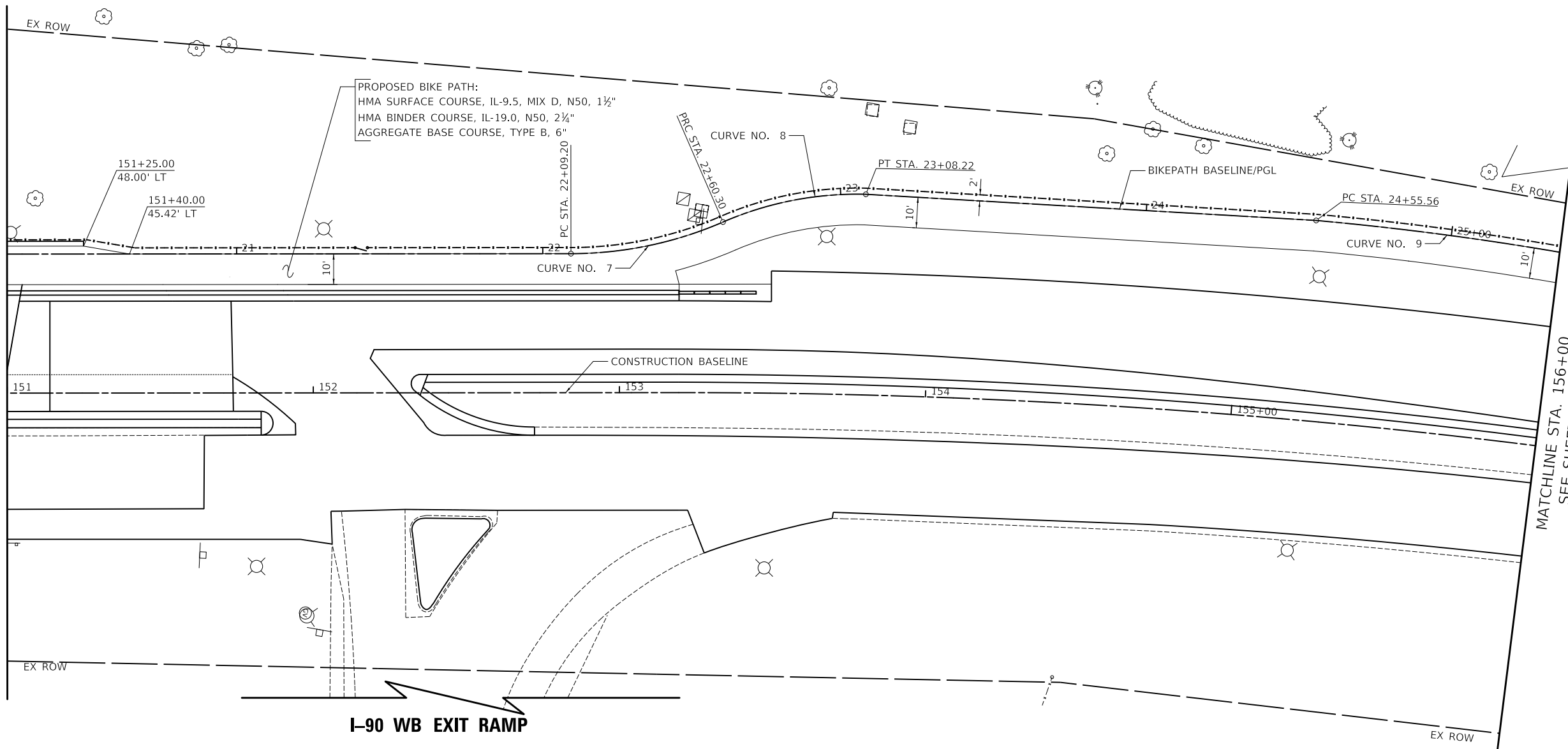
SHEET 2 OF 5 SHEETS STA. 146+00.00 TO STA. 151+00.00 ILLINOIS CONTRACT NO. 61J88

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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MATCHLINE STA. 151+00
SEE SHEET 39

MATCHLINE STA. 156+00
SEE SHEET 41



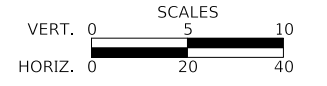
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VILLAGE OF HOFFMAN ESTATES



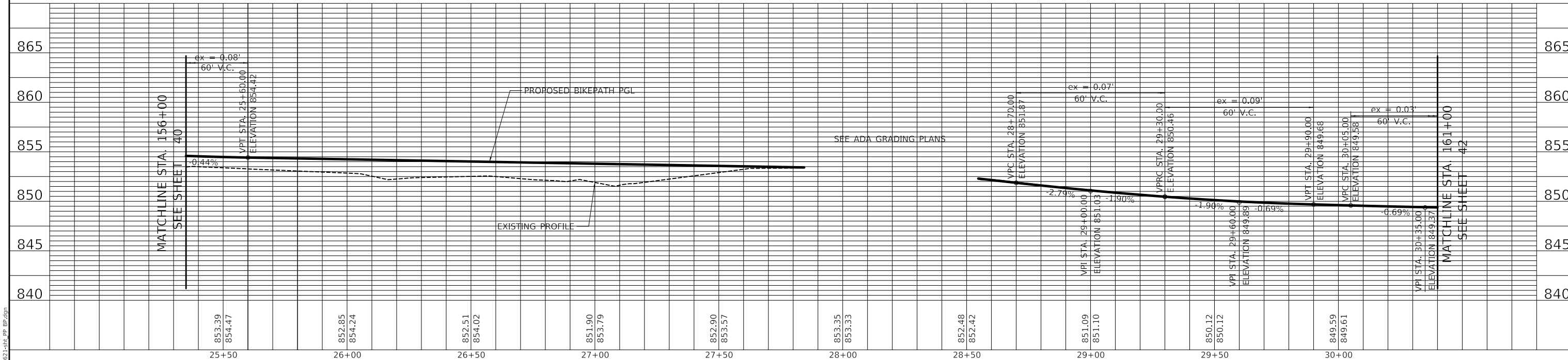
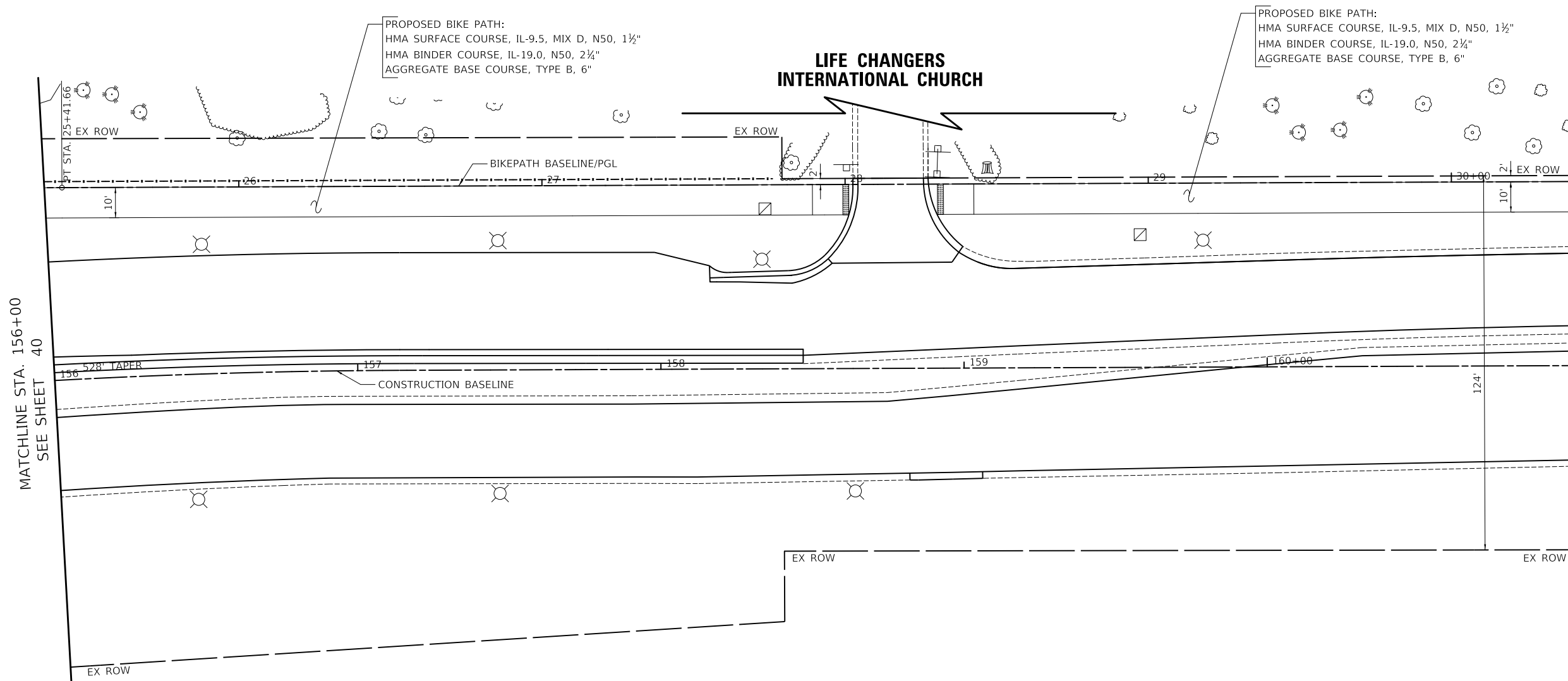
BIKE PATH PLAN AND PROFILE

SHEET 3 OF 5 SHEETS STA. 151+00.00 TO STA. 156+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	40
ILLINOIS			CONTRACT NO. 61J88	

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
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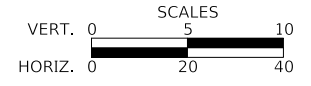
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DATE	-	7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



BIKE PATH PLAN AND PROFILE

SHEET 4 OF 5 SHEETS STA. 156+00.00 TO STA. 161+00.00

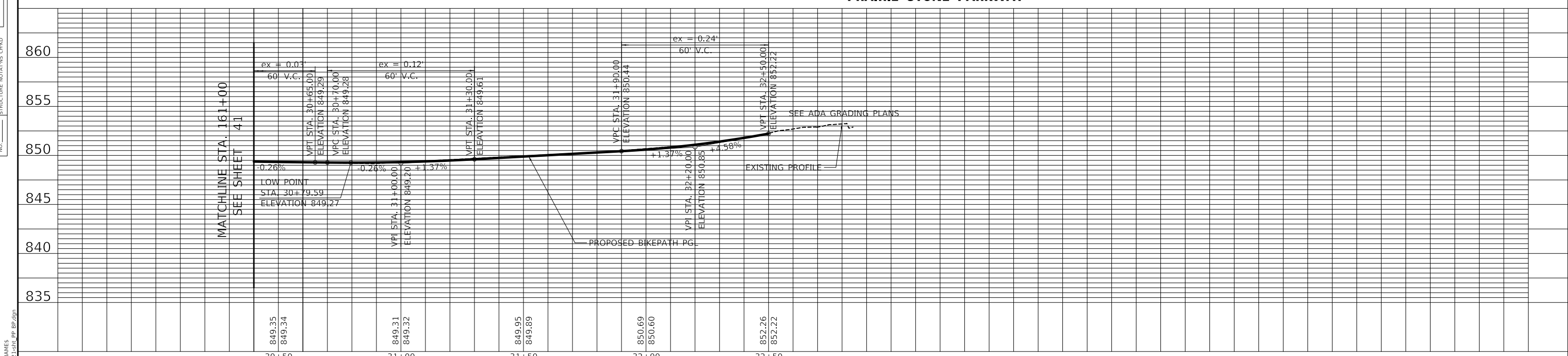
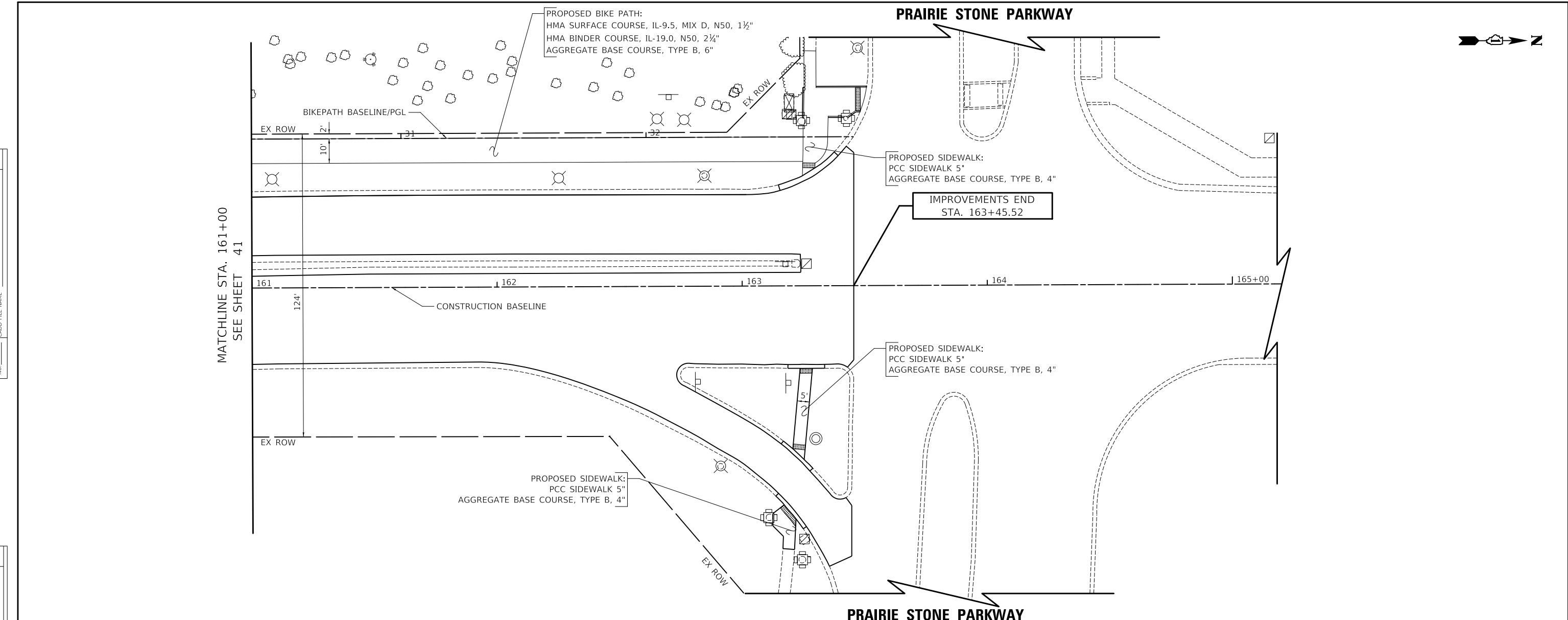
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	41
CONTRACT NO. 61J88			ILLINOIS	

MATCHLINE STA. 161+00
SEE SHEET 42

MATCHLINE STA. 156+00
SEE SHEET 40

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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	NOTE BOOK NO.	
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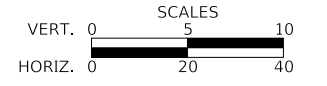
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DATE	- 7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



BIKE PATH PLAN AND PROFILE

SHEET 5 OF 5 SHEETS STA. 161+00.00 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	42
ILLINOIS			CONTRACT NO. 61J88	

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

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

STAGE 1

- INSTALL AND ACTIVATE TEMPORARY TRAFFIC SIGNALS (NOTE: THE EXISTING SIGNALS SHALL BE TURNED OFF AT THE SAME TIME THE TEMPORARY SIGNALS ARE ACTIVATED).
- PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
- PERFORM WORK SHOWN IN STAGE 1 ON BRIDGE PLANS.
- REMOVE EXISTING MEDIAN, CURB AND GUTTER, AND PAVEMENT WITHIN THE WORK ZONE.
- CONSTRUCT STORM SEWER AND DRAINAGE STRUCTURES WITHIN THE WORKZONE.
- CONSTRUCT CURB AND GUTTER, P.C.C. BASE COURSE, AND MEDIAN AS SHOWN. PLACE 2.25" OF HMA BINDER COURSE, IL-19.0, N70 ON THE P.C.C. BASE COURSE ADJACENT TO MEDIANS TO MATCH THE EXISTING PAVEMENT ELEVATION AND THE CURB AND GUTTER IN THE MEDIAN. THIS MATERIAL SHALL BE MILLED OFF IN STAGE 3 (PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 2.25").

STAGE 1A

- PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
- REMOVE EXISTING MEDIAN, CURB AND GUTTER, AND PAVEMENT WITHIN THE WORK ZONE.
- CONSTRUCT STORM SEWER AND DRAINAGE STRUCTURES WITHIN THE WORKZONE.
- CONSTRUCT HMA PAVEMENT TO TOP OF BINDER. CONSTRUCT CURB AND GUTTER, P.C.C. BASE COURSE, HMA BINDER COURSE, AND MEDIAN AS SHOWN. PLACE 2.25" OF HMA BINDER COURSE, IL-19.0, N70 ON THE P.C.C. BASE COURSE AND HMA BASE COURSE ADJACENT TO THE MEDIANS TO MATCH THE EXISTING PAVEMENT ELEVATION AND THE APPROACH SLAB. THIS MATERIAL SHALL BE MILLED OFF IN STAGE 3 (PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 2.25").

STAGE 2

- PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
- REMOVE EXISTING CURB AND GUTTER, SHOULDER, PAVEMENT, SIDEWALK, AND DRIVEWAYS WITHIN THE WORK ZONE.
- CONSTRUCT STORM SEWER AND DRAINAGE STRUCTURES WITHIN THE WORKZONE.
- CONSTRUCT CURB AND GUTTER, H.M.A. BINDER COURSE, BIKE PATH, AND ENTRANCE AS SHOWN.
- CONSTRUCT SIDEWALK ON CROSSING ISLAND AT PRAIRIE STONE PARKWAY AND ON SOUTHEAST CORNER OF PRAIRIE STONE PARKWAY USING DAILY LANE CLOSURES IN ACCORDANCE WITH 701701-10.
- PLACE TOPSOIL AND SOD/SEED.

STAGE 2A

- PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, TEMPORARY CONCRETE BARRIER, AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
- PERFORM WORK SHOWN IN STAGE 2 ON BRIDGE PLANS.
- CONSTRUCT BARRIER WALL AS SHOWN.

STAGE 3 (NOT SHOWN)

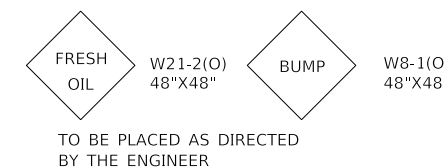
- PLACE TEMPORARY PAVEMENT MARKINGS MATCHING THE FINAL CONDITION. DAILY LANE CLOSURES FOR STAGE 3 CONSTRUCTION SHALL BE IN ACCORDANCE WITH 701601-09 AND 701701-10.
- REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB AND GUTTER AND MEDIAN.
- CONSTRUCT BARRIER WALL AND INSTALL RAILINGS AND FENCE.
- REMOVE EXISTING HOT MIX ASPHALT SURFACE.
- COMPLETE FULL DEPTH PATCHING OF EXISTING HOT MIX ASPHALT PAVEMENT WITH CLASS D PATCHES.
- PLACE H.M.A. BINDER ON MILLED PAVEMENT.
- PLACE H.M.A. SURFACE COURSE THROUGHOUT PROJECT.
- PLACE PERMANENT PAVEMENT MARKINGS AND INSTALL SIGNS.
- REMOVE TEMPORARY TRAFFIC SIGNALS AND ACTIVATE PERMANENT SIGNALS.
- REMOVE ALL CONSTRUCTION SIGNS AND OPEN ALL LANES TO TRAFFIC.

MAINTENANCE OF TRAFFIC GENERAL NOTES

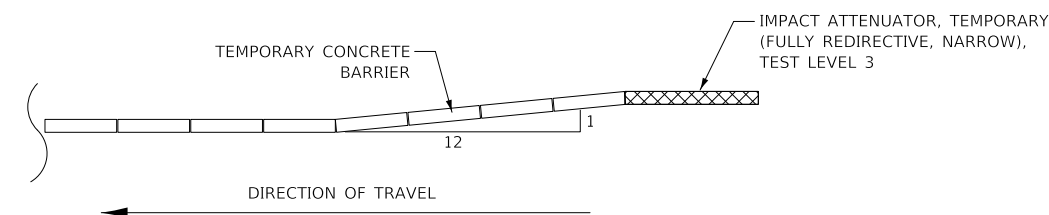
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
 - TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
 - THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
 - ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
 - ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
 - DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE NON-METALLIC DRUMS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
 - DRUMS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII.
 - TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
 - THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
 - EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
 - THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
 - EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
 - PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL SURFACES OUTSIDE OF THE PROJECT LIMITS.
- CONFLICTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING". CONFLICTING PAVEMENT MARKINGS OUTSIDE THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".
- "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO TACKING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
 - THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
 - QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.

CONSTRUCTION REQUIREMENTS

- ALL WORK SHALL BE IN ACCORDANCE WITH IDOT'S SAFETY ENGINEERING POLICY MEMORANDUM, SAFETY 4-21, INCLUDING THE REQUIREMENT FOR USE OF TEMPORARY OR MILLED SLOPE EDGES (MIN OF 1:3). THIS MAY REQUIRE ADDITIONAL PASSES OF THE MILLING MACHINE OR THE USE OF A SECONDARY, SMALLER MILLING MACHINE TO CREATE THE REQUIRED EDGE. THE COST TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL" OF THE THICKNESS SPECIFIED.
- "UNEVEN LANE" SIGNS (W8-1(O)-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ADJACENT TO THE MILLED SURFACE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".



TEMPORARY CONCRETE BARRIER END TREATMENT DETAIL



MODEL: SH06ELMAMES
FILE NAME: ...3021-H0T1-Notes



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VILLAGE OF HOFFMAN ESTATES

MAINTENANCE OF TRAFFIC NOTES

SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	43
				CONTRACT NO. 61J88
ILLINOIS				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

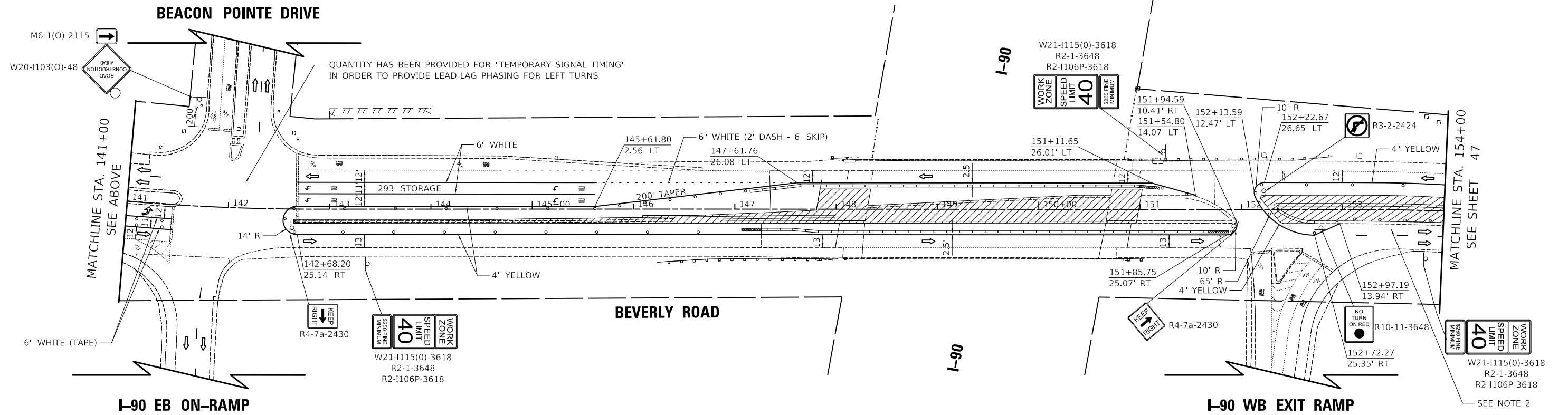
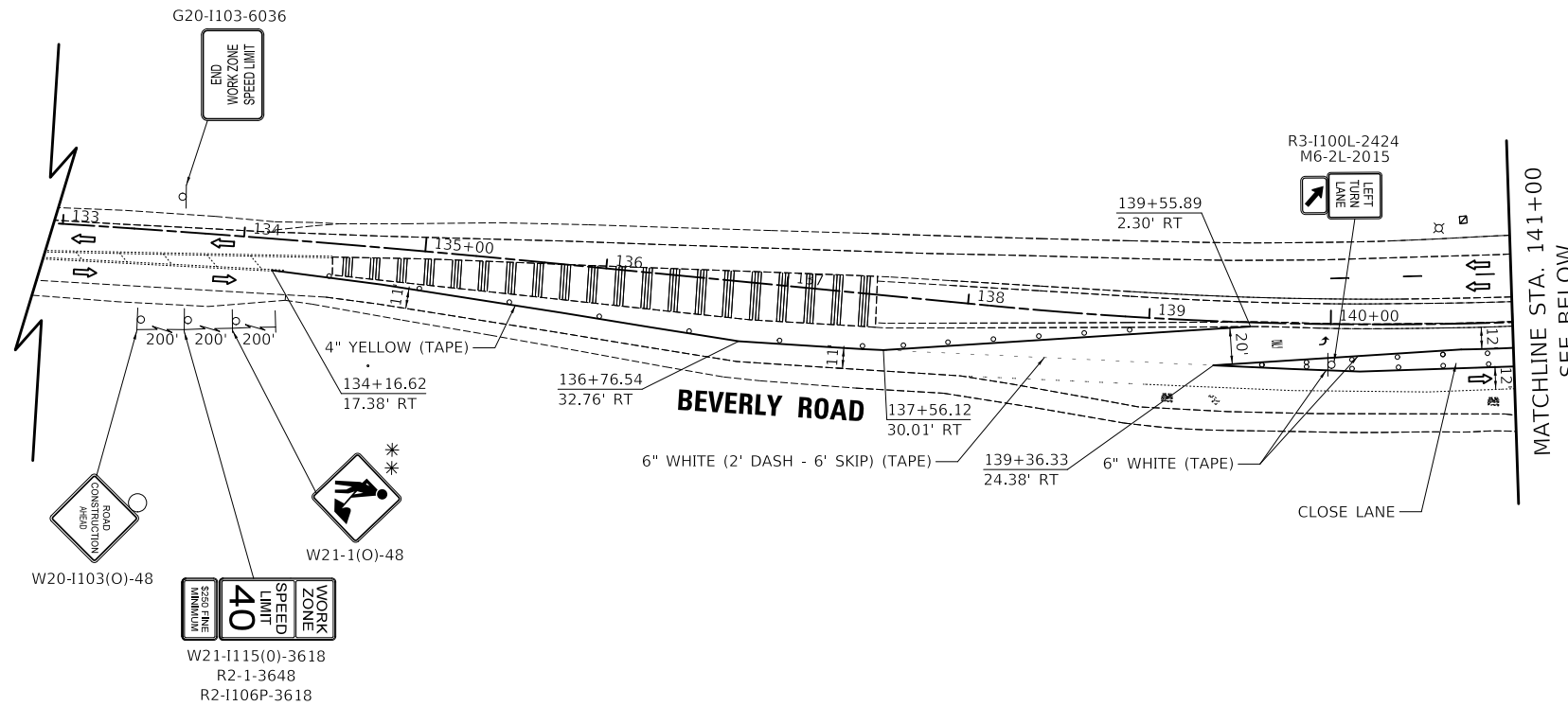
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

NOTES:

- 1) ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.
- 2) DAILY CLOSURE OF THE INSIDE THRU LANE SHALL BE ALLOWED WHEN WORK IS BEING PERFORMED ON THE MEDIAN. THE CORRESPONDING TURN LANE ON THE I-90 WB EXIT RAMP SHALL BE CLOSED WITH BARRICADES AND ARROW BOARD.

LEGEND

- DRUMS/TYPE II BARRICADES
- ┌ TYPE III BARRICADE
- └ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- ⇨ DIRECTION OF TRAVEL
- ARROW BOARD
- ▨ WORK ZONE
- ** MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- ▩ TEMPORARY PAVEMENT
- ▬ TEMPORARY CONCRETE BARRIER
- ▬ IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3



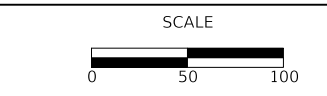
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VILLAGE OF HOFFMAN ESTATES



MAINTENANCE OF TRAFFIC - STAGE 1

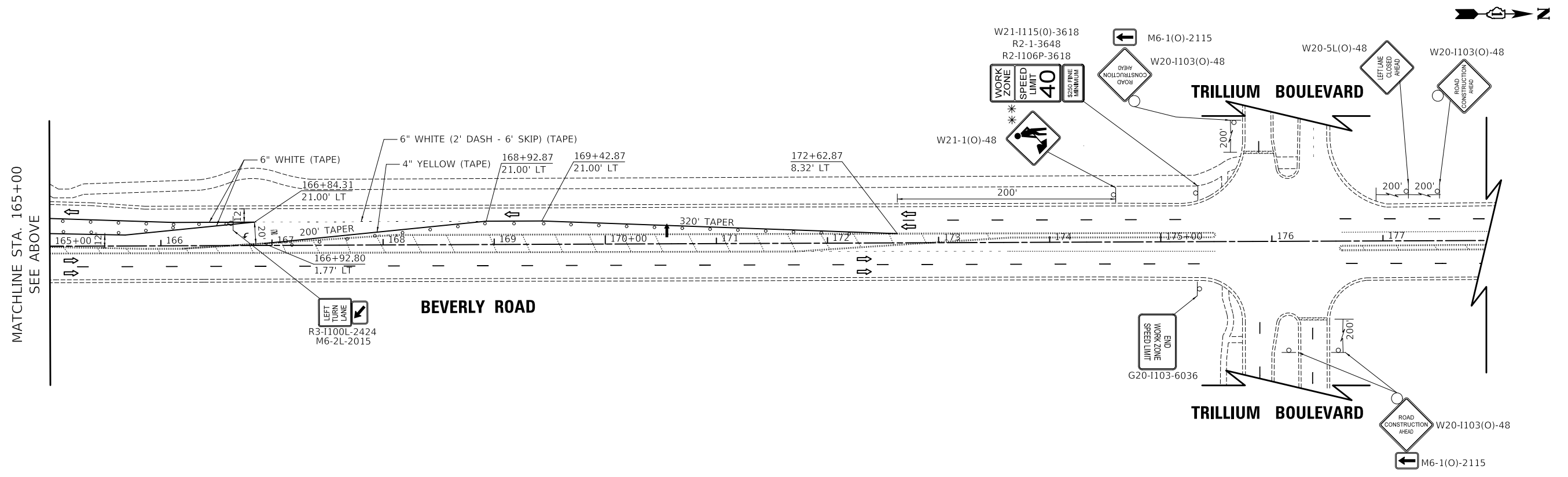
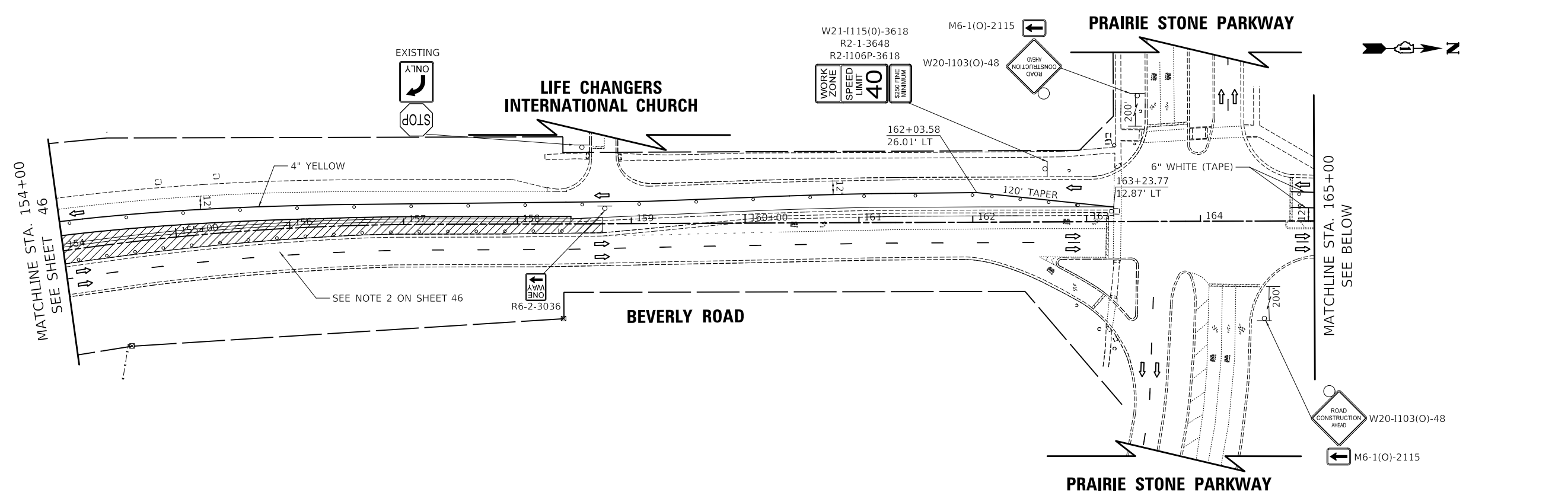
SHEET 1 OF 2 SHEETS STA. 134+00.00 TO STA. 154+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	46
CONTRACT NO. 61J88			ILLINOIS	

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	GRADES CHECKED	
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	NOTE BOOK NO.	
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PROFILE	SURVEYED	DATE
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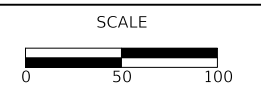
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DATE	-	7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



MAINTENANCE OF TRAFFIC - STAGE 1
SHEET 2 OF 2 SHEETS STA. 154+00.00 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	47
ILLINOIS			CONTRACT NO. 61J88	

NOTES:

- 1) ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.
- 2) PLACE TEMPORARY PAVEMENT AT THE END OF STAGE 1A FOR USE IN STAGES 2/2A.
- 3) THE EXISTING PAVEMENT SHALL NOT BE REMOVED MORE THAN 5 CALENDAR DAYS PRIOR TO ITS RECONSTRUCTION. A QUANTITY OF TEMPORARY ACCESS (ROAD) HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER TO MAINTAIN THE TURNING MOVEMENT.

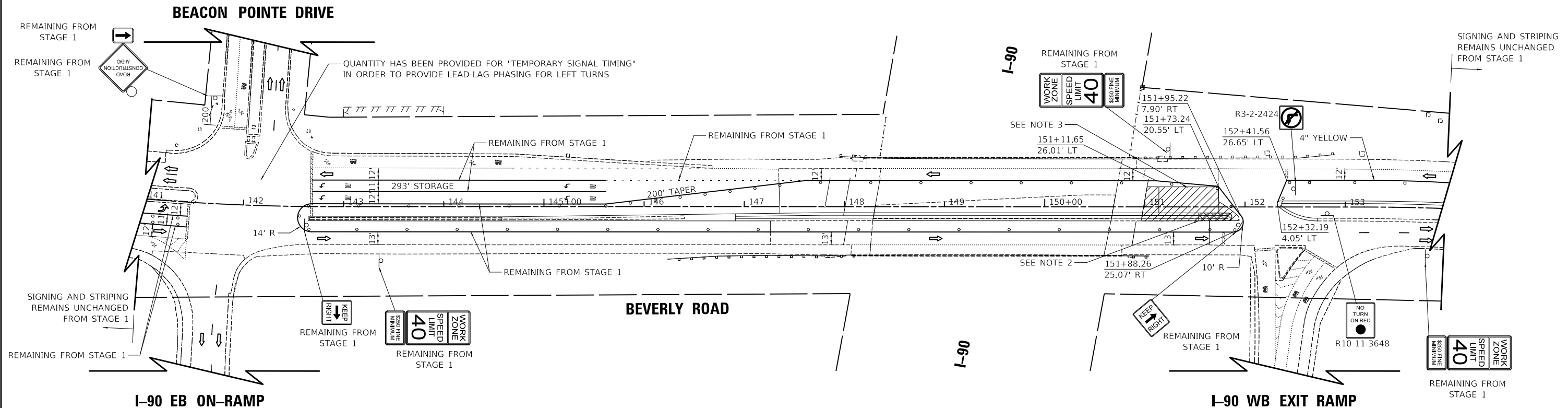
LEGEND

- DRUMS/TYPE II BARRICADES
- ┌ TYPE III BARRICADE
- ⊥ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAVEL
- ARROW BOARD
- ▨ WORK ZONE
- ** MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- ▩ TEMPORARY PAVEMENT



PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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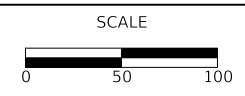
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VILLAGE OF HOFFMAN ESTATES



MAINTENANCE OF TRAFFIC - STAGE 1A

SHEET 1 OF 1 SHEETS STA. 141+00.00 TO STA. 154+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	48
ILLINOIS			CONTRACT NO. 61J88	

PLAN	SURVEYED	DATE
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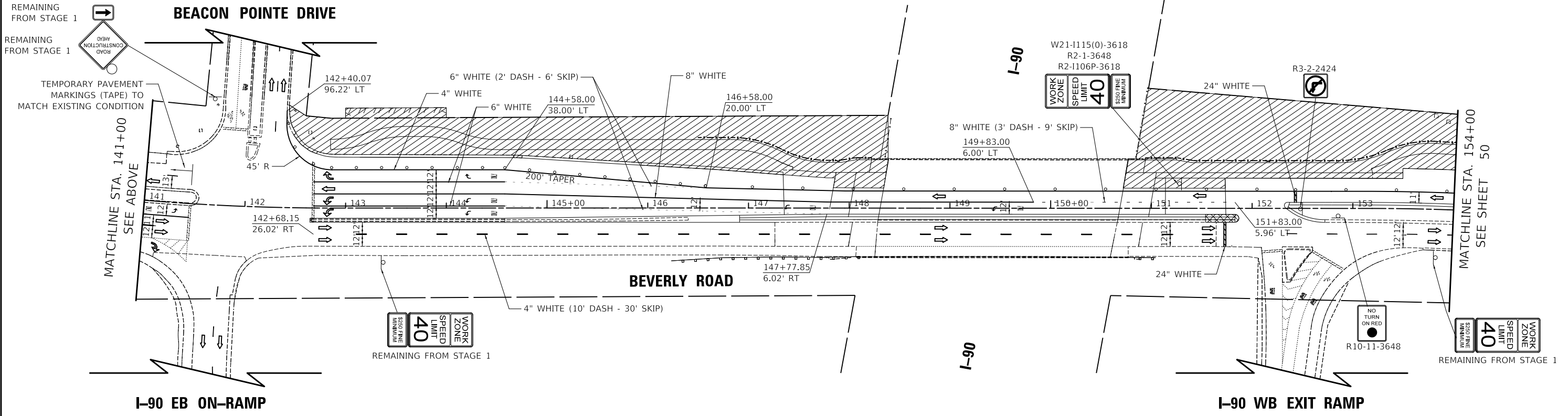
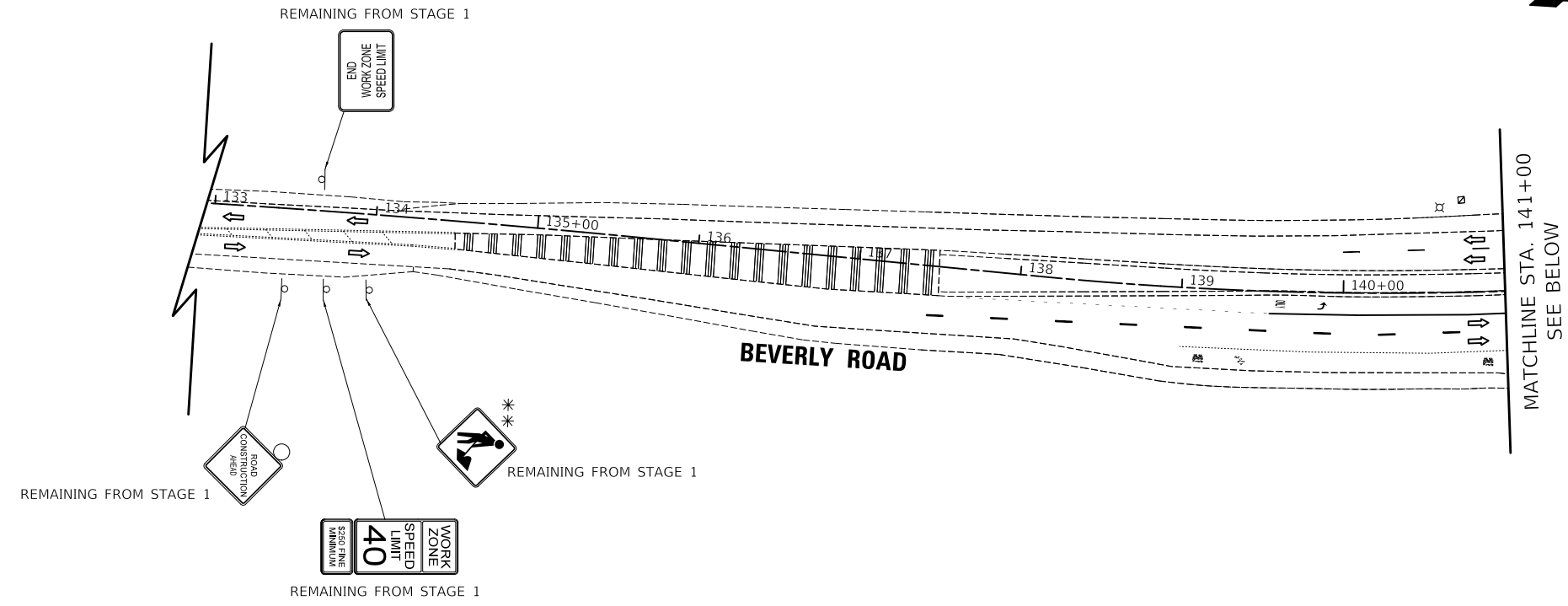
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NOTES:

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.

LEGEND

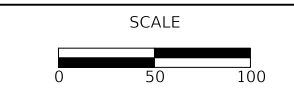
- DRUMS/TYPE II BARRICADES
- ⊥ TYPE III BARRICADE
- ⊥ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- ⇨ DIRECTION OF TRAVEL
- ⇨ ARROW BOARD
- ▨ WORK ZONE
- ▩ TEMPORARY PAVEMENT



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VILLAGE OF HOFFMAN ESTATES

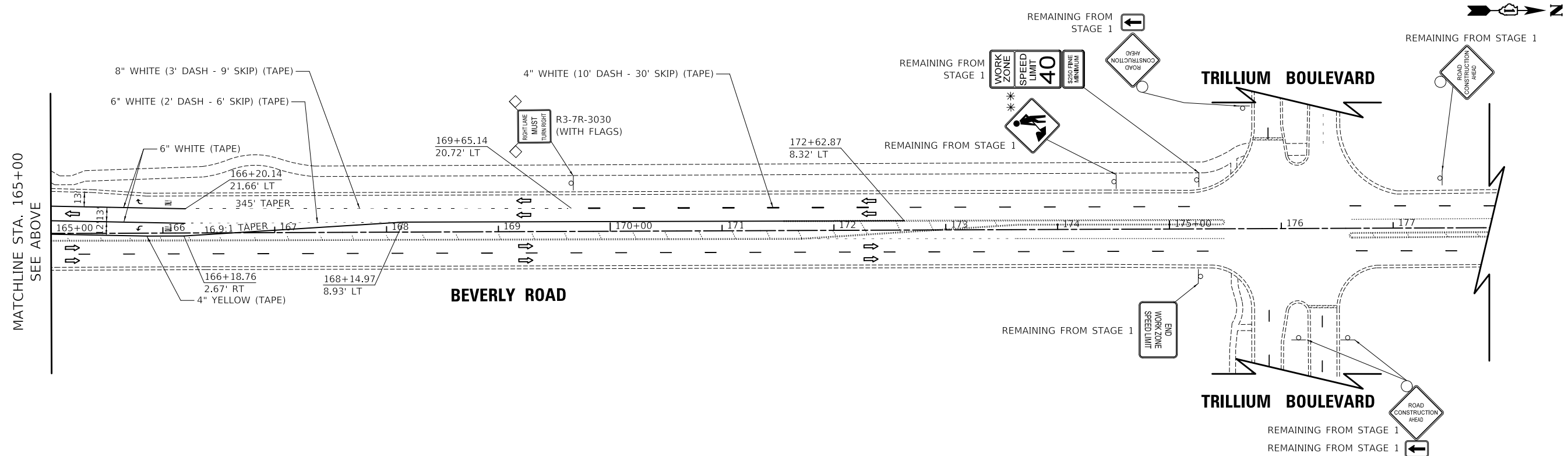
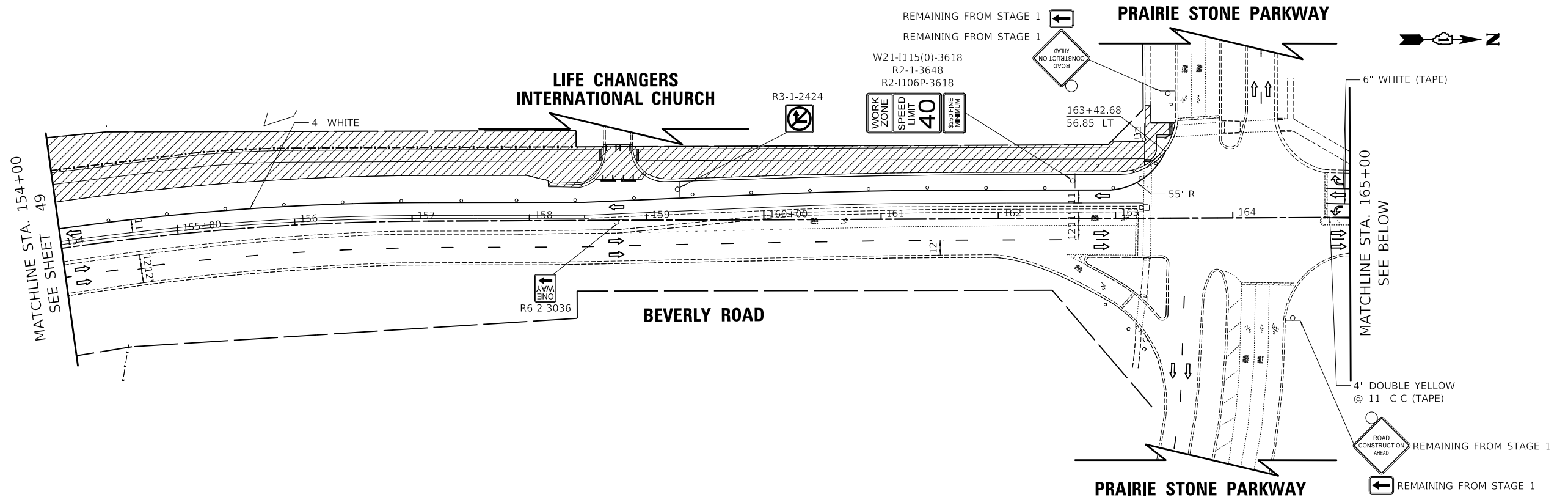


MAINTENANCE OF TRAFFIC - STAGE 2
SHEET 1 OF 2 SHEETS STA. 134+00.00 TO STA. 154+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	49
CONTRACT NO. 61J88			ILLINOIS	

PLAN	SURVEYED	DATE
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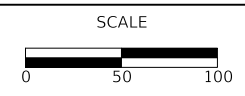
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DATE	-	7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



MAINTENANCE OF TRAFFIC - STAGE 2
SHEET 2 OF 2 SHEETS STA. 154+00.00 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	50
ILLINOIS			CONTRACT NO. 61J88	



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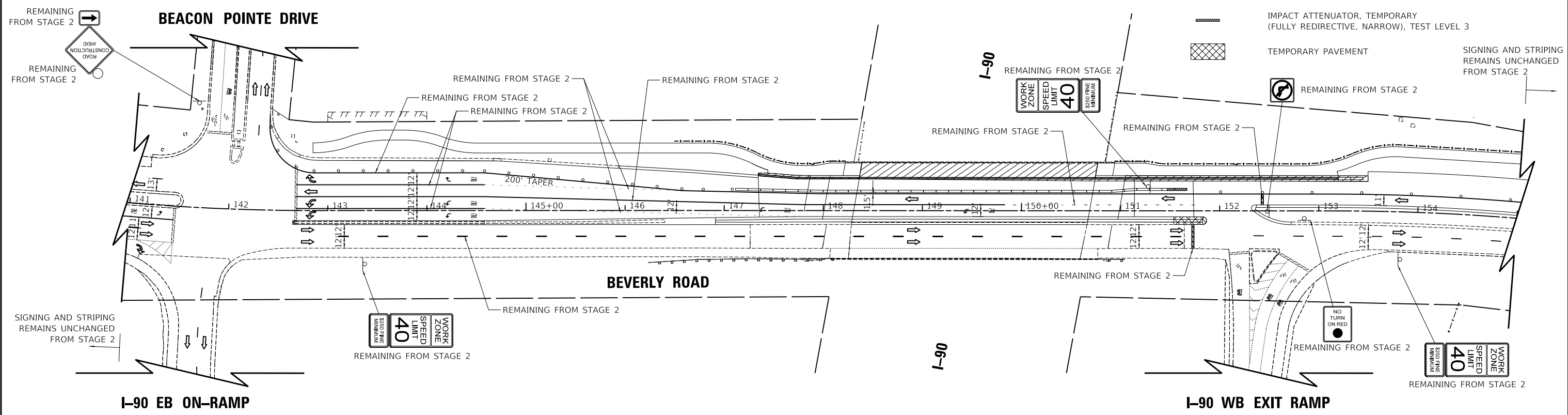
ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.

LEGEND

- DRUMS/TYPE II BARRICADES
- ┌ TYPE III BARRICADE
- ⊖ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- ⇄ DIRECTION OF TRAVEL
- ARROW BOARD
- ▨ WORK ZONE
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- ▩ TEMPORARY PAVEMENT
- ◻ SIGNING AND STRIPING REMAINS UNCHANGED FROM STAGE 2

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

PROFILE	SURVEYED	DATE
	PLOTTED	
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	BY	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CURVD	



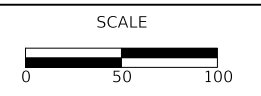
MODEL: SMODELNAMRES
FILE NAME: ...3821-sht_52a.dgn



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VILLAGE OF HOFFMAN ESTATES



MAINTENANCE OF TRAFFIC – STAGE 2A

SHEET 1 OF 1 SHEETS STA. 134+00.00 TO STA. 155+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	51
ILLINOIS			CONTRACT NO. 61J88	

BIKEPATH DETOUR GENERAL NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.
3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS/HER REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS/HER REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
6. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
8. ALL DETOUR SIGNING SHALL BE POST MOUNTED IN THE GROUND PER ARTICLE 701.14 AND STANDARD 701901.
9. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
10. DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE DETECTABLE PEDESTRIAN CHANNELIZING BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
12. THE COST OF THIS WORK FOR THE DETOUR SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

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

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

MODEL: S:\MODEL\MAMES
FILE NAME: ...3021\Detour_Bikepath.dgn



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VILLAGE OF HOFFMAN ESTATES

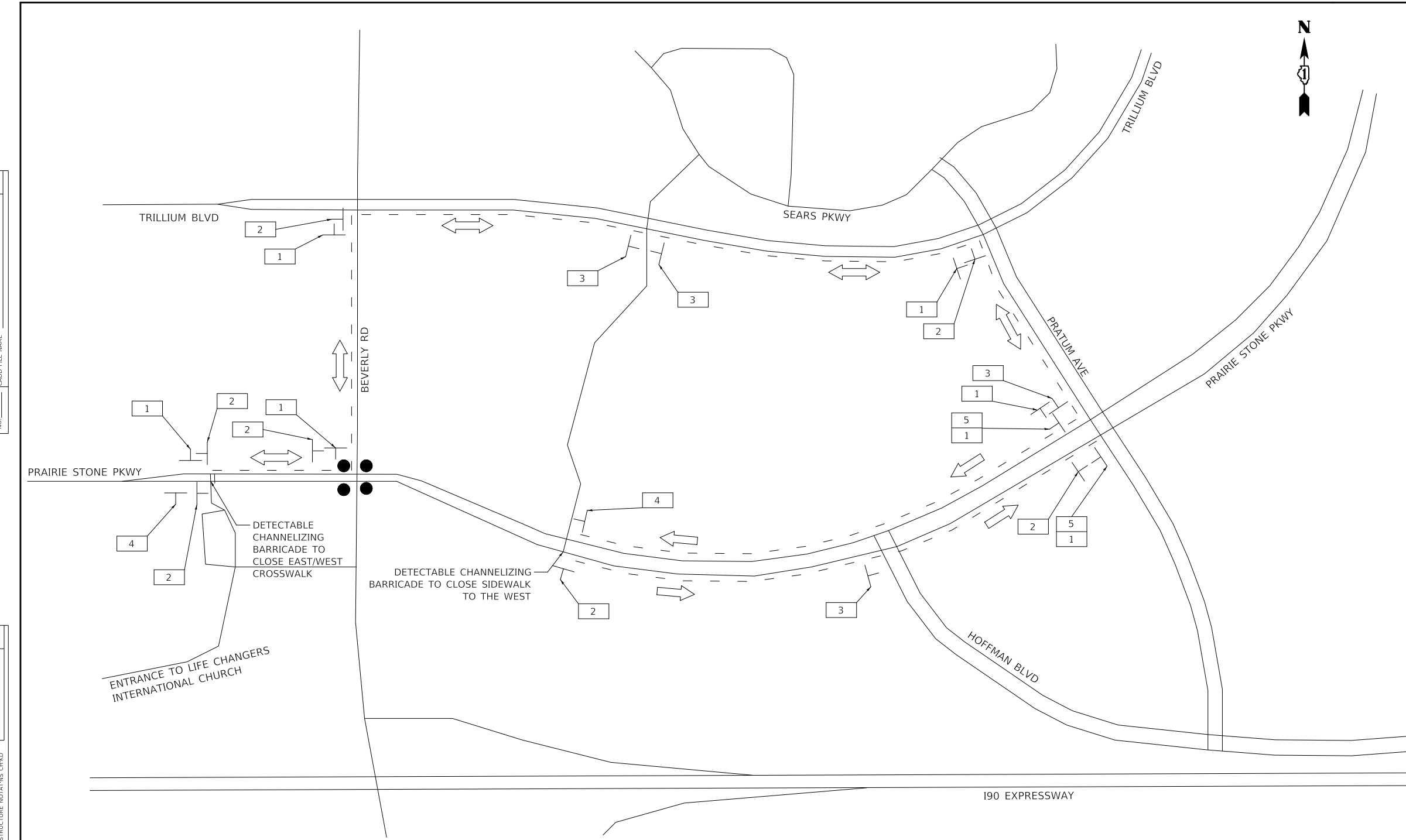
SIDEWALK DETOUR PLAN

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	52
CONTRACT NO. 61J88				
ILLINOIS				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK NO.	
	BY	



SIGN NO.	SIGN TYPE	REFERENCE
1		M4-9A-3024
2		M4-9A-3024
3		M4-9A-3030
4		M4-8a(O)-2418
5		SPECIAL(O)-4242 5" BLACK LETTERS ON ORANGE BACKGROUND

LEGEND

	OTHER DETOUR SIGN (NUMBER DENOTES TYPE)
	DETOUR ROUTE
	DETOUR ROUTE DIRECTION
	SIGN POST (7' HEIGHT, TYP) ALL SIGNS TO BE POST-MOUNTED WHEREVER POSSIBLE (SEE NOTE 9)
	SIGNALIZED INTERSECTION

MODEL: SMODEL\MAMES...3725\Detour_Elkpath.dgn



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VILLAGE OF HOFFMAN ESTATES

SIDEWALK DETOUR PLAN


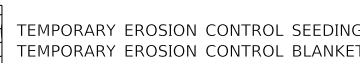






SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	53
				CONTRACT NO. 61J88
ILLINOIS				

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

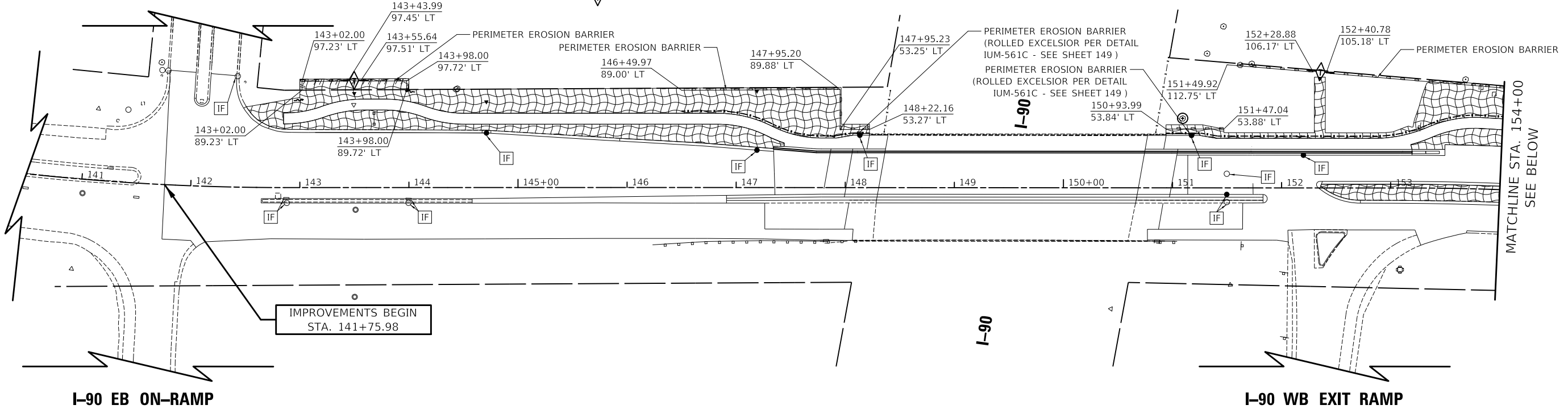
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY EROSION CONTROL BLANKET
-  TREE PRUNING
-  TREE ROOT PRUNING
-  TEMPORARY FENCE (AT THE DIRECTION OF THE ENGINEER)
-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  TEMPORARY DITCH CHECKS



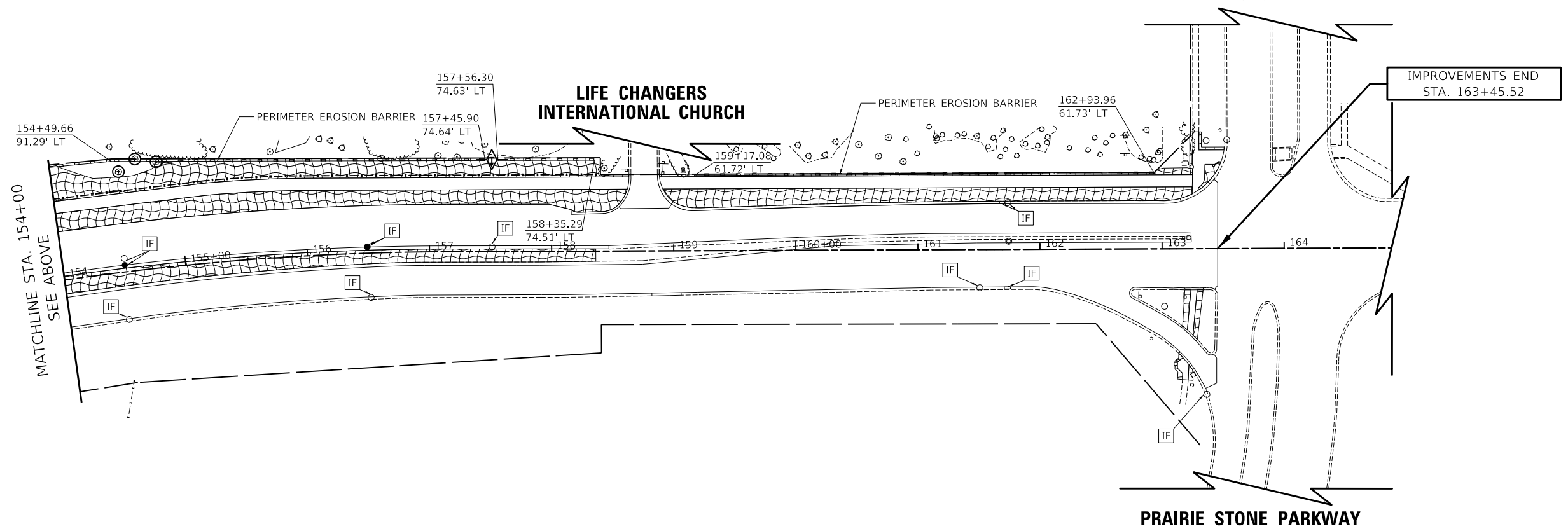
BEACON POINTE DRIVE



I-90 EB ON-RAMP

I-90 WB EXIT RAMP

PRAIRIE STONE PARKWAY



PRAIRIE STONE PARKWAY

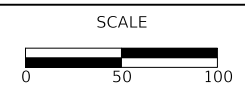
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FILE NAME: ...3021-EC.dgn



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VILLAGE OF HOFFMAN ESTATES



EROSION CONTROL PLAN

SHEET 1 OF 1 SHEETS STA. 141+75.98 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	54
				CONTRACT NO. 61J88
ILLINOIS				

BEACON POINTE DRIVE

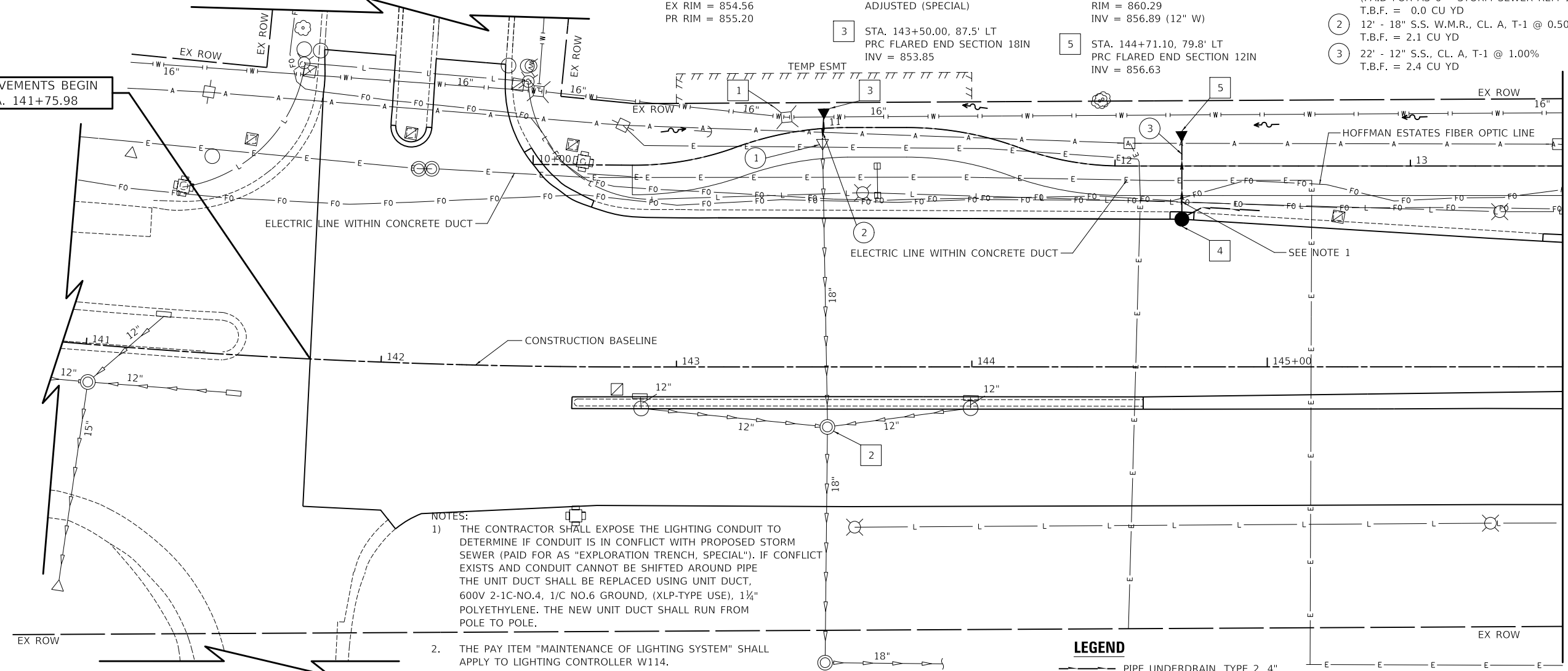
- 1 STA. 143+37.3, 84.5' LT
V.V. TO BE ADJUSTED
EX RIM = 854.56
PR RIM = 855.20
- 2 STA. 143+51.09, 20.3' RT
FRAME AND LID TO BE
ADJUSTED (SPECIAL)
- 3 STA. 143+50.00, 87.5' LT
PRC FLARED END SECTION 18IN
INV = 853.85
- 4 STA. 144+71.10, 50.0' LT
CB TC T24FG
RIM = 860.29
INV = 856.89 (12" W)
- 5 STA. 144+71.10, 79.8' LT
PRC FLARED END SECTION 12IN
INV = 856.63
- 1 FLARED END SECTION TO BE REMOVED
(PAID FOR AS 6' - STORM SEWER REM 18")
T.B.F. = 0.0 CU YD
- 2 12" - 18" S.S. W.M.R., CL. A, T-1 @ 0.50%
T.B.F. = 2.1 CU YD
- 3 22" - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.4 CU YD



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	CONSTRUCTION CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

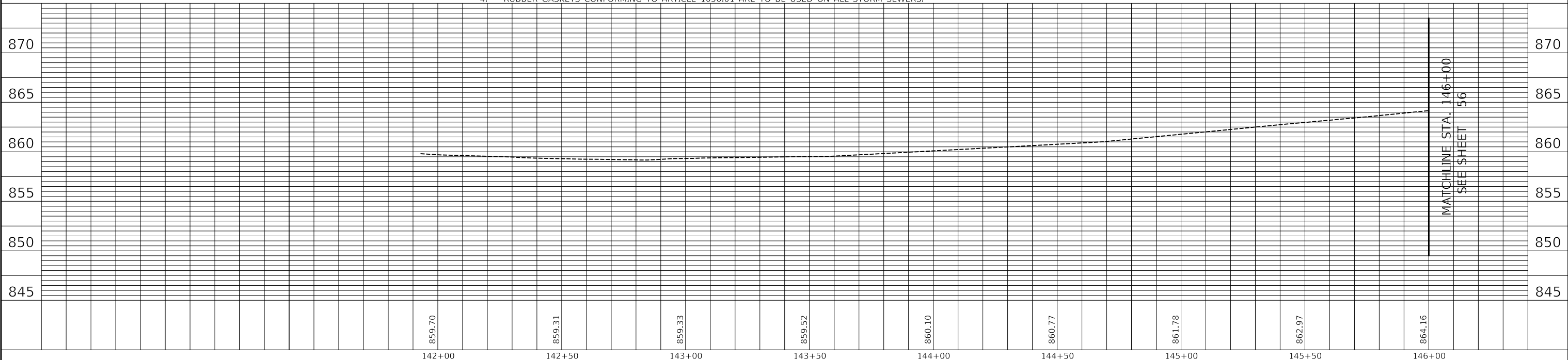
IMPROVEMENTS BEGIN
STA. 141+75.98



- NOTES:**
- 1) THE CONTRACTOR SHALL EXPOSE THE LIGHTING CONDUIT TO DETERMINE IF CONDUIT IS IN CONFLICT WITH PROPOSED STORM SEWER (PAID FOR AS "EXPLORATION TRENCH, SPECIAL"). IF CONFLICT EXISTS AND CONDUIT CANNOT BE SHIFTED AROUND PIPE THE UNIT DUCT SHALL BE REPLACED USING UNIT DUCT, 600V 2-1C-NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" POLYETHYLENE. THE NEW UNIT DUCT SHALL RUN FROM POLE TO POLE.
 2. THE PAY ITEM "MAINTENANCE OF LIGHTING SYSTEM" SHALL APPLY TO LIGHTING CONTROLLER W114.
 3. THE LIGHTING SYSTEM SHALL BE OPERATIONAL EACH EVENING.
 4. RUBBER GASKETS CONFORMING TO ARTICLE 1056.01 ARE TO BE USED ON ALL STORM SEWERS.

LEGEND
PIPE UNDERDRAIN, TYPE 2, 4"

MATCHLINE STA. 146+00
SEE SHEET 56

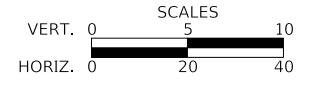


MATCHLINE STA. 146+00
SEE SHEET 56

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VILLAGE OF HOFFMAN ESTATES



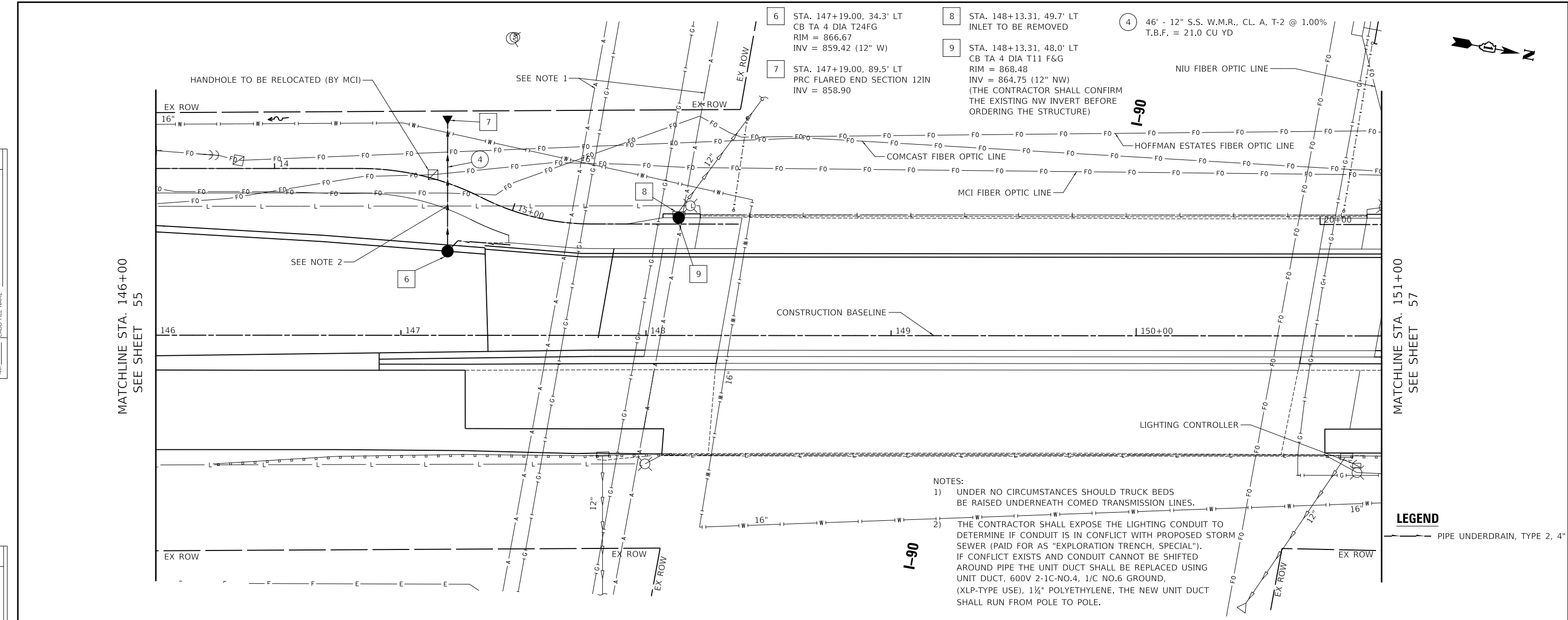
DRAINAGE AND UTILITY PLAN

SHEET 1 OF 5 SHEETS STA. 141+75.98 TO STA. 146+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	55
CONTRACT NO. 61J88			ILLINOIS	

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

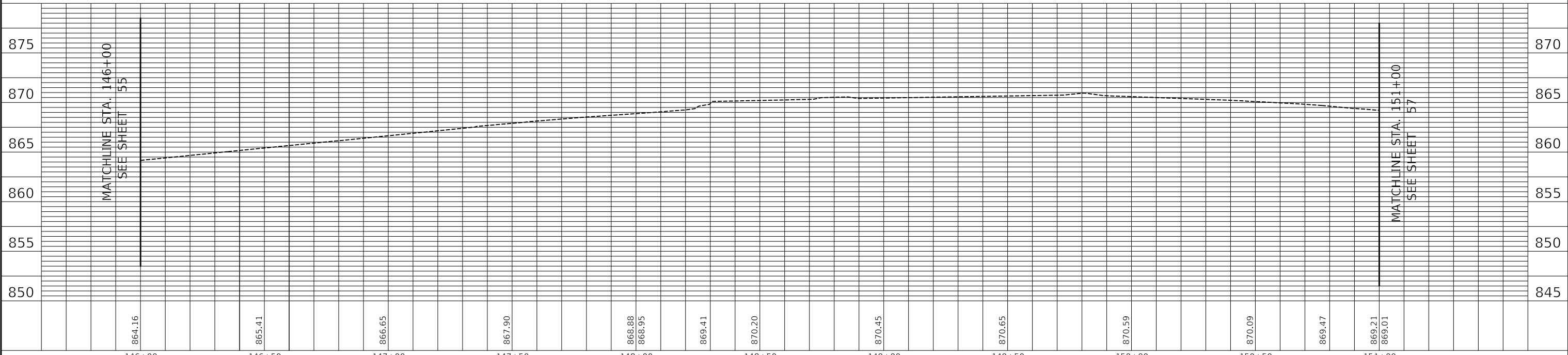
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHKW	



- 6 STA. 147+19.00, 34.3' LT
CB TA 4 DIA T24FG
RIM = 866.67
INV = 859.42 (12" W)
- 7 STA. 147+19.00, 89.5' LT
PRC FLARED END SECTION 12IN
INV = 858.90
- 8 STA. 148+13.31, 49.7' LT
INLET TO BE REMOVED
- 9 STA. 148+13.31, 48.0' LT
CB TA 4 DIA T11 F&G
RIM = 868.48
INV = 864.75 (12" NW)
(THE CONTRACTOR SHALL CONFIRM
THE EXISTING NW INVERT BEFORE
ORDERING THE STRUCTURE)
- 4 46' - 12" S.S. W.M.R., CL. A, T-2 @ 1.00%
T.B.F. = 21.0 CU YD

NOTES:
 1) UNDER NO CIRCUMSTANCES SHOULD TRUCK BEDS BE RAISED UNDERNEATH COMED TRANSMISSION LINES.
 2) THE CONTRACTOR SHALL EXPOSE THE LIGHTING CONDUIT TO DETERMINE IF CONDUIT IS IN CONFLICT WITH PROPOSED STORM SEWER (PAID FOR AS "EXPLORATION TRENCH, SPECIAL"). IF CONFLICT EXISTS AND CONDUIT CANNOT BE SHIFTED AROUND PIPE THE UNIT DUCT SHALL BE REPLACED USING UNIT DUCT, 600V 2-1C-NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1½" POLYETHYLENE. THE NEW UNIT DUCT SHALL RUN FROM POLE TO POLE.

LEGEND
 --- PIPE UNDERDRAIN, TYPE 2, 4"



MODEL: SHODLNAME
 FILE NAME: ...352-D01.dgn

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VILLAGE OF HOFFMAN ESTATES

VERT. 0 5 10
 HORIZ. 0 20 40

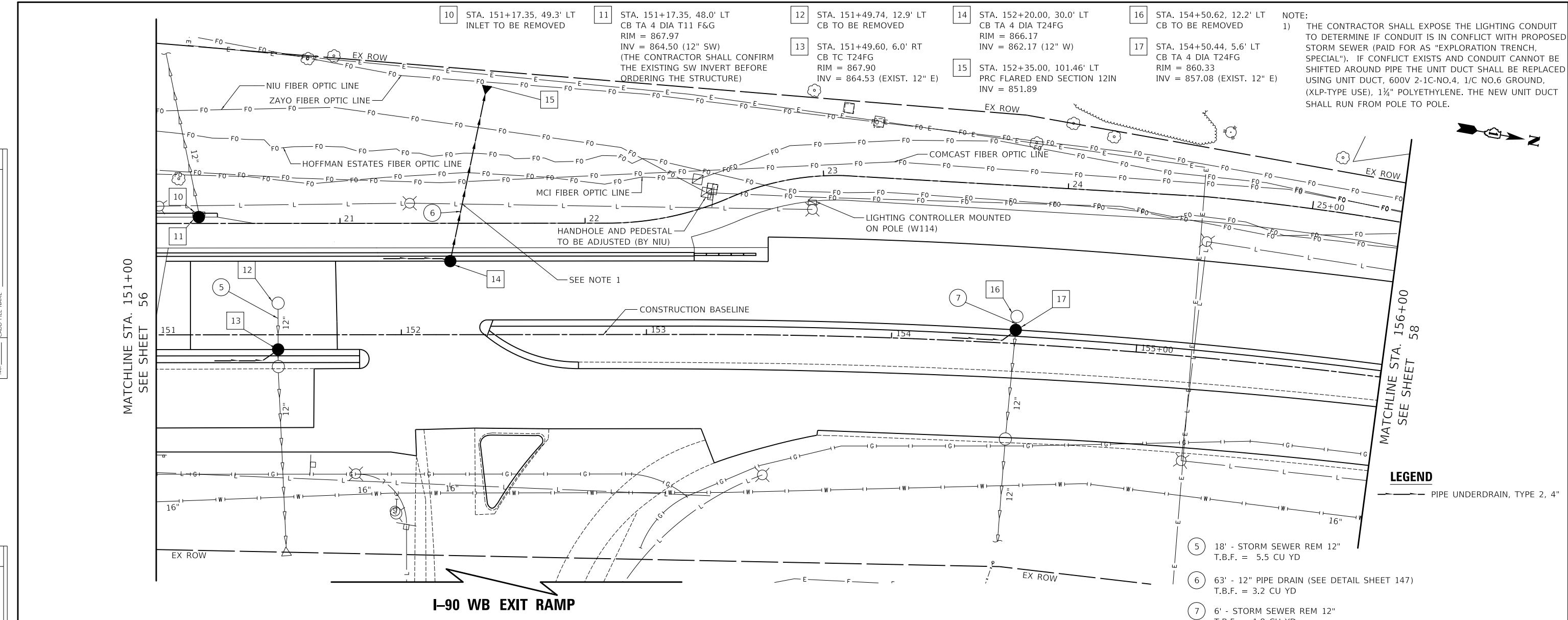
SCALES

DRAINAGE AND UTILITY PLAN	
SHEET 2 OF 5 SHEETS	STA. 146+00.00 TO STA. 151+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	56
ILLINOIS			CONTRACT NO. 61J88	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	



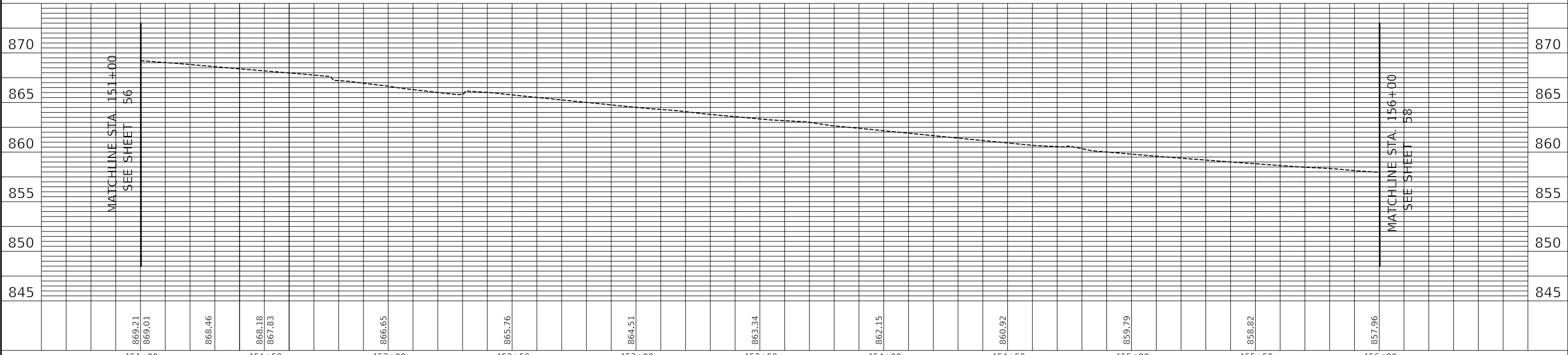
NOTE:
 1) THE CONTRACTOR SHALL EXPOSE THE LIGHTING CONDUIT TO DETERMINE IF CONDUIT IS IN CONFLICT WITH PROPOSED STORM SEWER (PAID FOR AS "EXPLORATION TRENCH, SPECIAL"). IF CONFLICT EXISTS AND CONDUIT CANNOT BE SHIFTED AROUND PIPE THE UNIT DUCT SHALL BE REPLACED USING UNIT DUCT, 600V 2-1C-NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" POLYETHYLENE. THE NEW UNIT DUCT SHALL RUN FROM POLE TO POLE.

MATCHLINE STA. 151+00
SEE SHEET 56

MATCHLINE STA. 156+00
SEE SHEET 58

LEGEND
 --- PIPE UNDERDRAIN, TYPE 2, 4"

- 5 18' - STORM SEWER REM 12"
T.B.F. = 5.5 CU YD
- 6 63' - 12" PIPE DRAIN (SEE DETAIL SHEET 147)
T.B.F. = 3.2 CU YD
- 7 6' - STORM SEWER REM 12"
T.B.F. = 1.8 CU YD

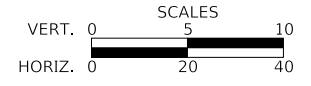


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VILLAGE OF HOFFMAN ESTATES



DRAINAGE AND UTILITY PLAN

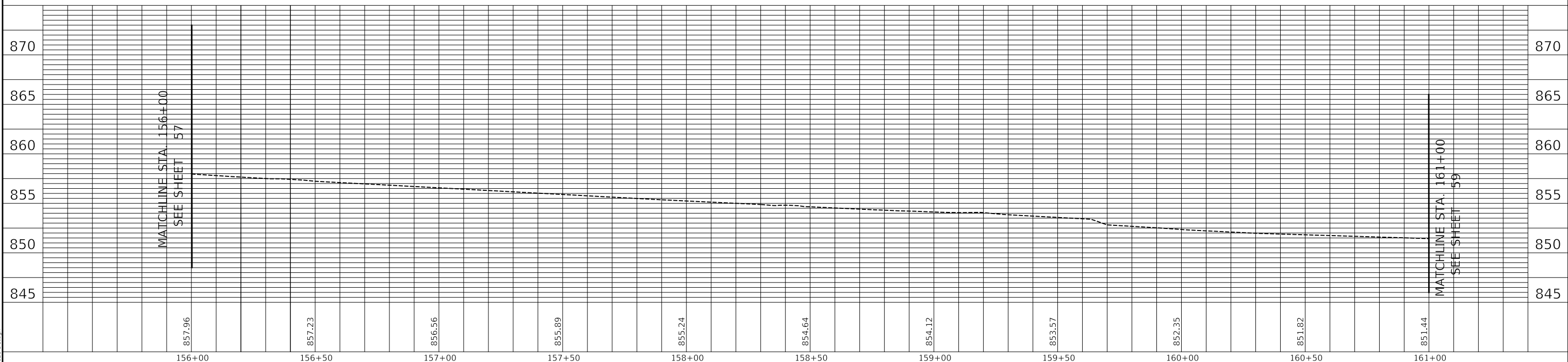
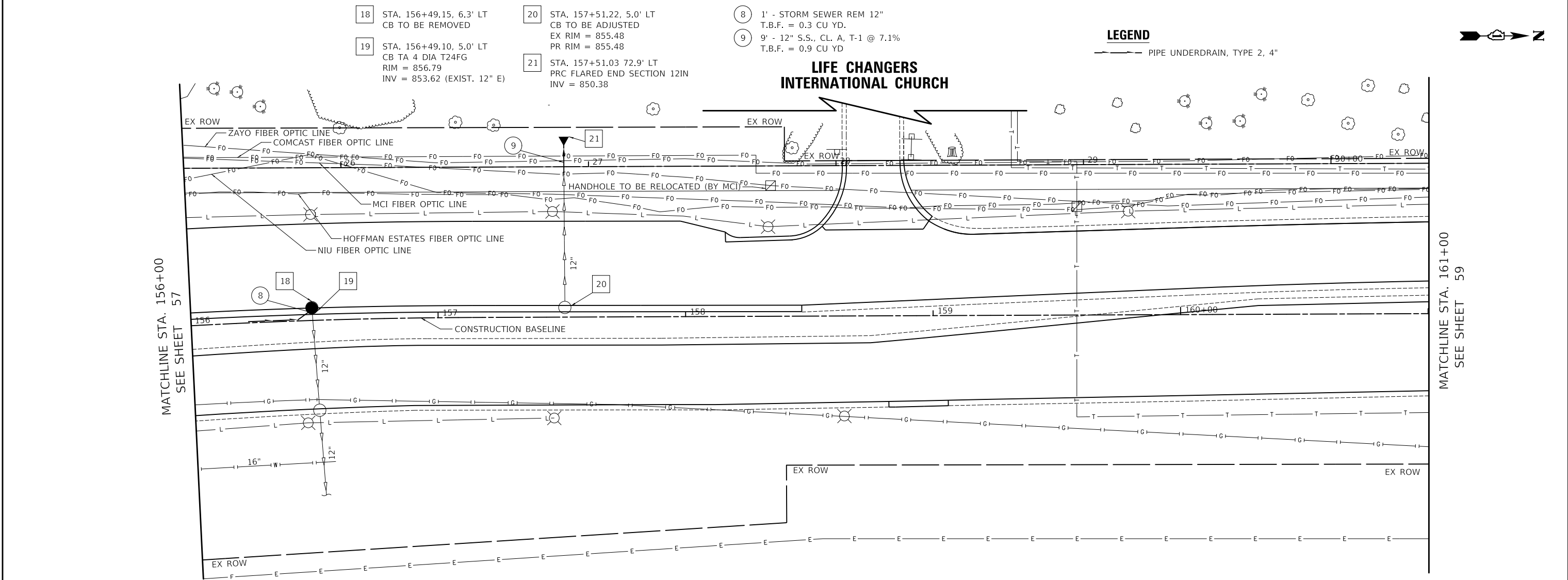
SHEET 3 OF 5 SHEETS STA. 151+00.00 TO STA. 156+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	57
ILLINOIS			CONTRACT NO. 61J88	

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

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

MODEL: SMODEL\MAMES
FILE NAME: ...3821-DU.dgn



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	DRAWN -	REVISED -			3725	19-00106-00-RS	COOK	171	58
CHECKED -	REVISED -	SHEET 4 OF 5 SHEETS STA. 156+00.00 TO STA. 161+00.00			CONTRACT NO. 61J88				
DATE - 7/28/2023	REVISED -				ILLINOIS				

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

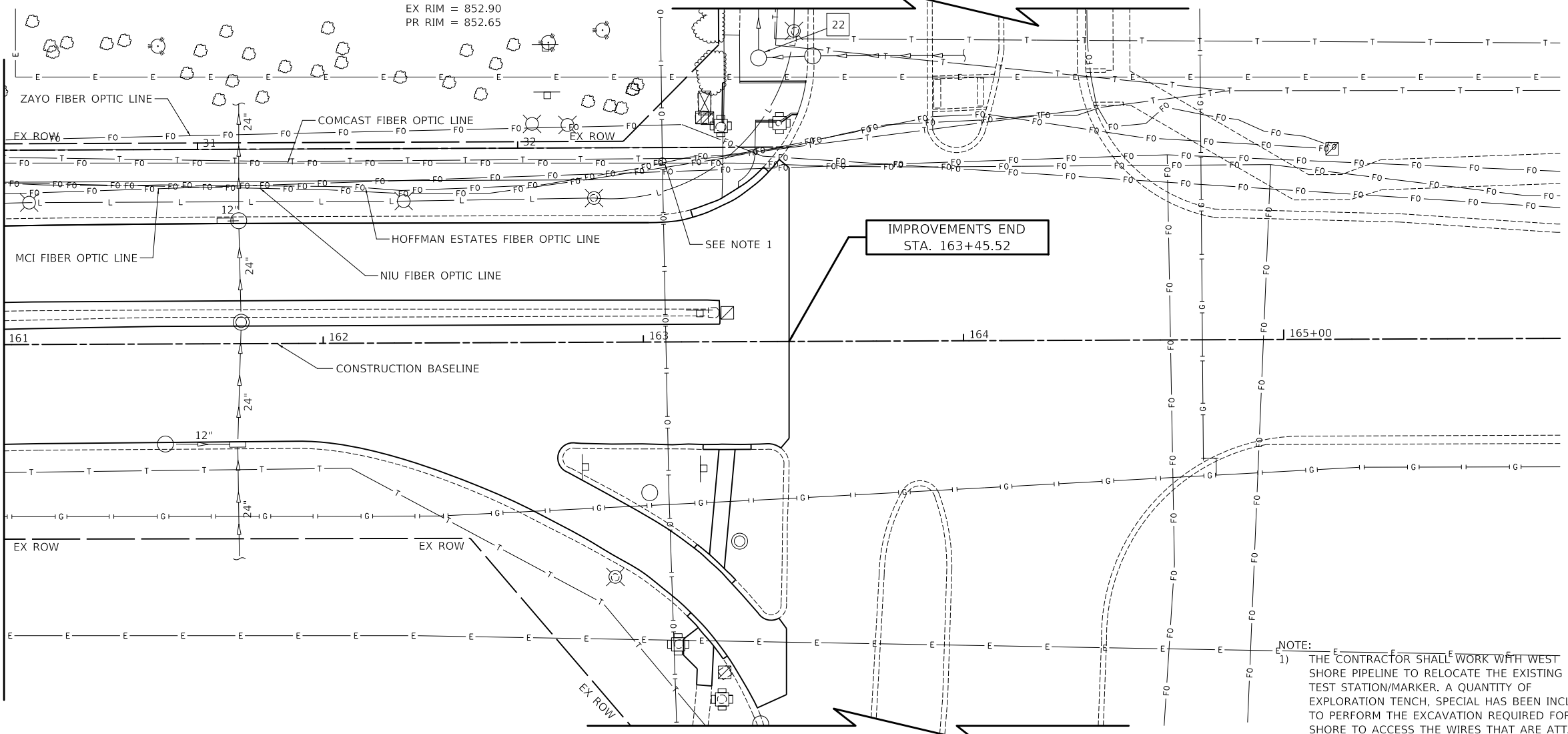
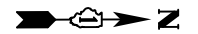
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHPKD	

MATCHLINE STA. 161+00
SEE SHEET 58

MATCHLINE STA. 161+00
SEE SHEET 58

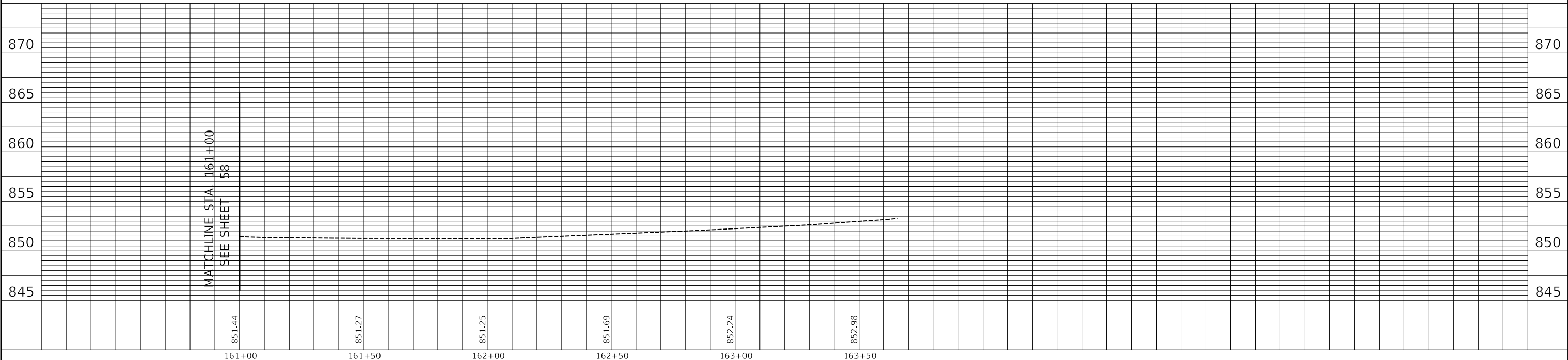
22 STA. 163+36.33, 88.6' LT
CB TO BE RECONSTRUCTED
EX RIM = 852.90
PR RIM = 852.65

PRAIRIE STONE PARKWAY



NOTE:
1) THE CONTRACTOR SHALL WORK WITH WEST SHORE PIPELINE TO RELOCATE THE EXISTING TEST STATION/MARKER. A QUANTITY OF EXPLORATION TENCH. SPECIAL HAS BEEN INCLUDED TO PERFORM THE EXCAVATION REQUIRED FOR WEST SHORE TO ACCESS THE WIRES THAT ARE ATTACHED TO THE MAIN. ALL WORK SHALL MEET WEST SHORE'S SAFETY REQUIREMENTS.

PRAIRIE STONE PARKWAY



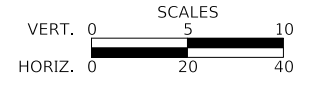
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FILE NAME: ...3821-DU.dgn



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VILLAGE OF HOFFMAN ESTATES



DRAINAGE AND UTILITY PLAN

SHEET 5 OF 5 SHEETS STA. 161+00.00 TO STA. 163+45.52

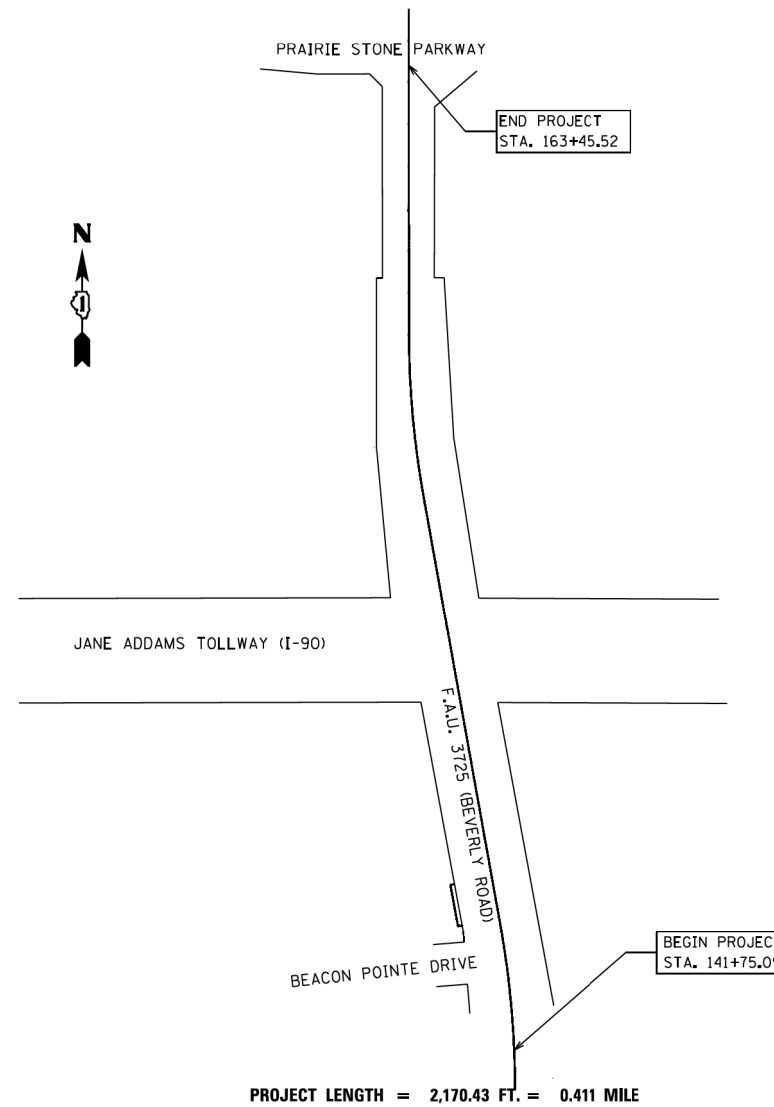
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	59
ILLINOIS			CONTRACT NO. 61J88	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

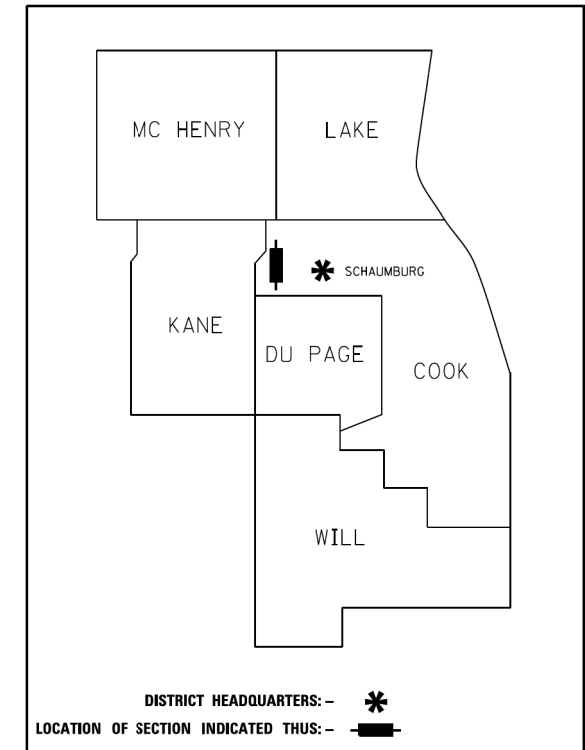
ROUTE: F.A.U. 3725 (BEVERLY ROAD)
SECTION: 19-00106-00-RS
COUNTY: COOK
LIMITS: 141 + 75.09 TO 163 + 45.52
JOB NO:

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
00001TE	CHICAGO REGIONAL COUNCIL OF CARPENTERS	2	



PROJECT LENGTH = 2,170.43 FT. = 0.411 MILE

LOCATION MAP



DISTRICT HEADQUARTERS: - *
LOCATION OF SECTION INDICATED THUS: - **█**

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

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

MODEL: SMODELNAME
FILE NAME: ...3725-1.plt of Highways.dgn



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CHECKED -	DJK	REVISED -	
DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES

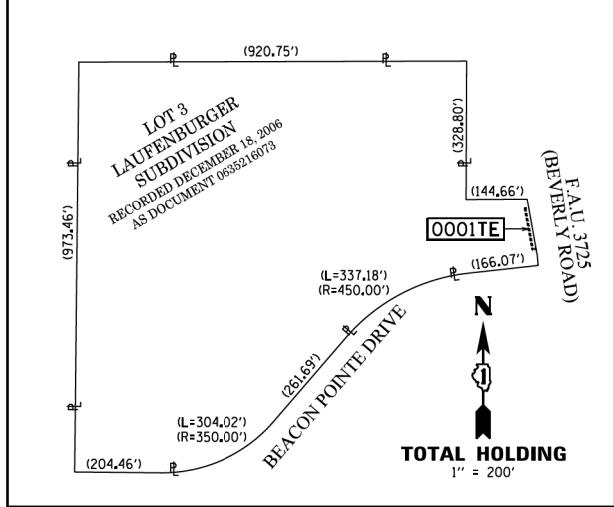
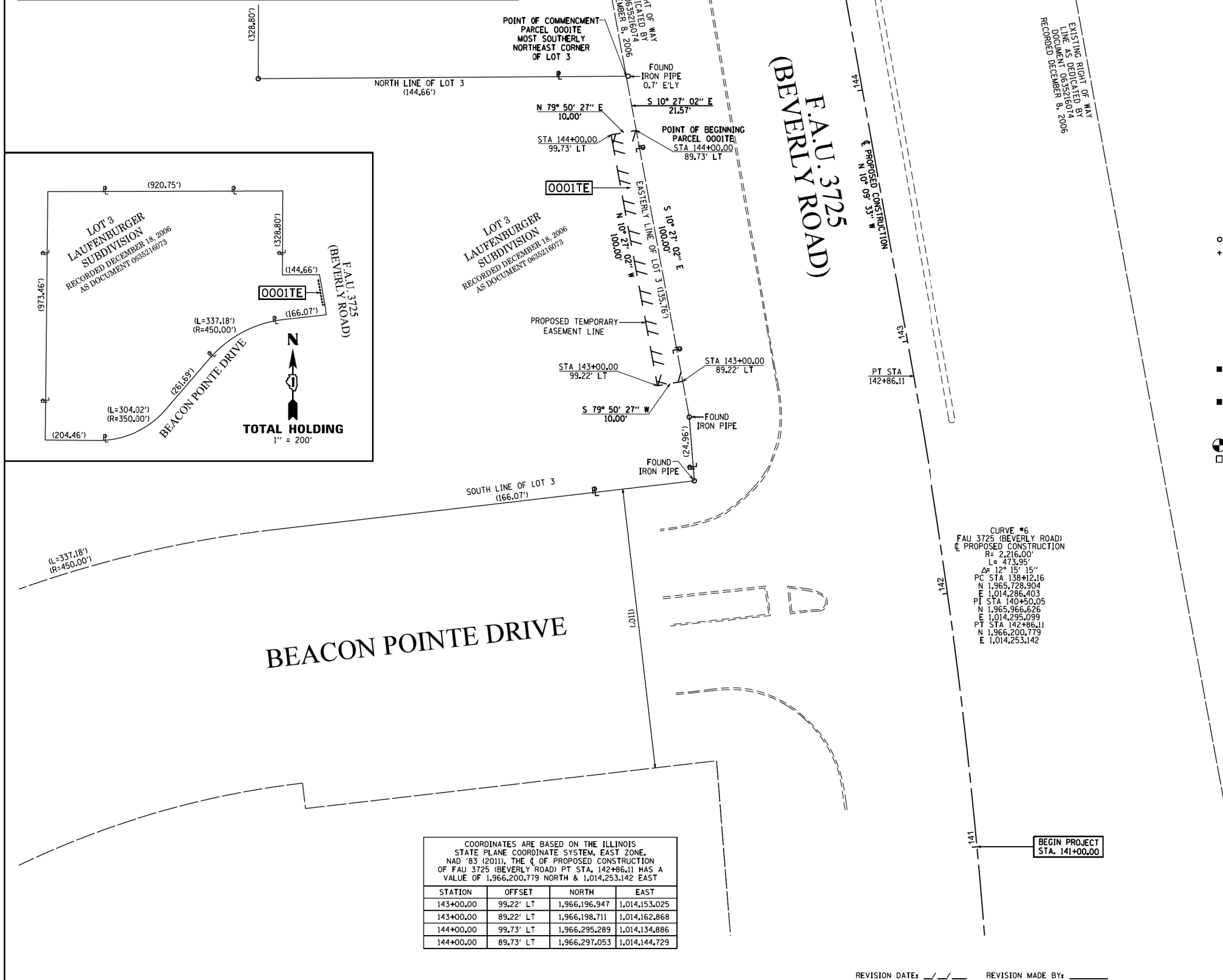
PLAT OF HIGHWAYS

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	60
				CONTRACT NO. 61J88
ILLINOIS				

PART OF FRACTIONAL SECTION 5, TOWNSHIP 41 NORTH, RANGE 5 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
0001TE	17.498			17.498	0.023	1,000	06-05-400-004



COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD '83 (2011). THE (C) OF PROPOSED CONSTRUCTION OF FAU 3725 (BEVERLY ROAD) PT STA. 142+86.11 HAS A VALUE OF 1,966,200.779 NORTH & 1,014,253.142 EAST

STATION	OFFSET	NORTH	EAST
143+00.00	99.22' LT	1,966,196.947	1,014,153.025
143+00.00	89.22' LT	1,966,198.711	1,014,162.868
144+00.00	99.73' LT	1,966,295.289	1,014,134.886
144+00.00	89.73' LT	1,966,297.053	1,014,144.729

CURVE #6
FAU 3725 (BEVERLY ROAD)
(C) PROPOSED CONSTRUCTION
R= 2,216.00'
L= 473.95'
Δ= 12° 15' 15"
PC STA 138+12.16
N 1,965,728.904
E 1,014,286.403
PT STA 140+50.05
N 1,965,966.626
E 1,014,295.099
PT STA 142+86.11
N 1,966,200.779
E 1,014,253.142

LEGEND

SECTION - QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

"MAC" NAIL SET
5/8" REBAR SET

SURVEY NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997500.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- FIELD SURVEY COMPLETED ON JULY 1, 2022.

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

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL INC, ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN FRACTIONAL SECTION 5, TOWNSHIP 41 NORTH, RANGE 5 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 7TH DAY OF OCTOBER, A.D. 2022.

WILLIAM J. FLEMING
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003226
LICENSE EXPIRATION DATE: 11/30/2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

EDI PROJECT 1470,010

EDI Environmental Design International Inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1625, CHICAGO, IL 60603
Ph: (312) 345-1400 Fax: (312) 345-0529
www.ediengine.com MBE/WBE/DBE

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3725 (BEVERLY ROAD)

LIMITS: AT BEACON POINTE DRIVE COUNTY: COOK
SECTION: OVER I-90 JOB NO.:
STATION: 141+00.00 TO 144+50.00
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS

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

PLAN

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

PROFILE

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

MODEL: SH06LNAME5
FILE NAME: ...3021-Plat of Highways.dgn



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DRAWN - JFG	REVISED -
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DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PLAT OF HIGHWAYS

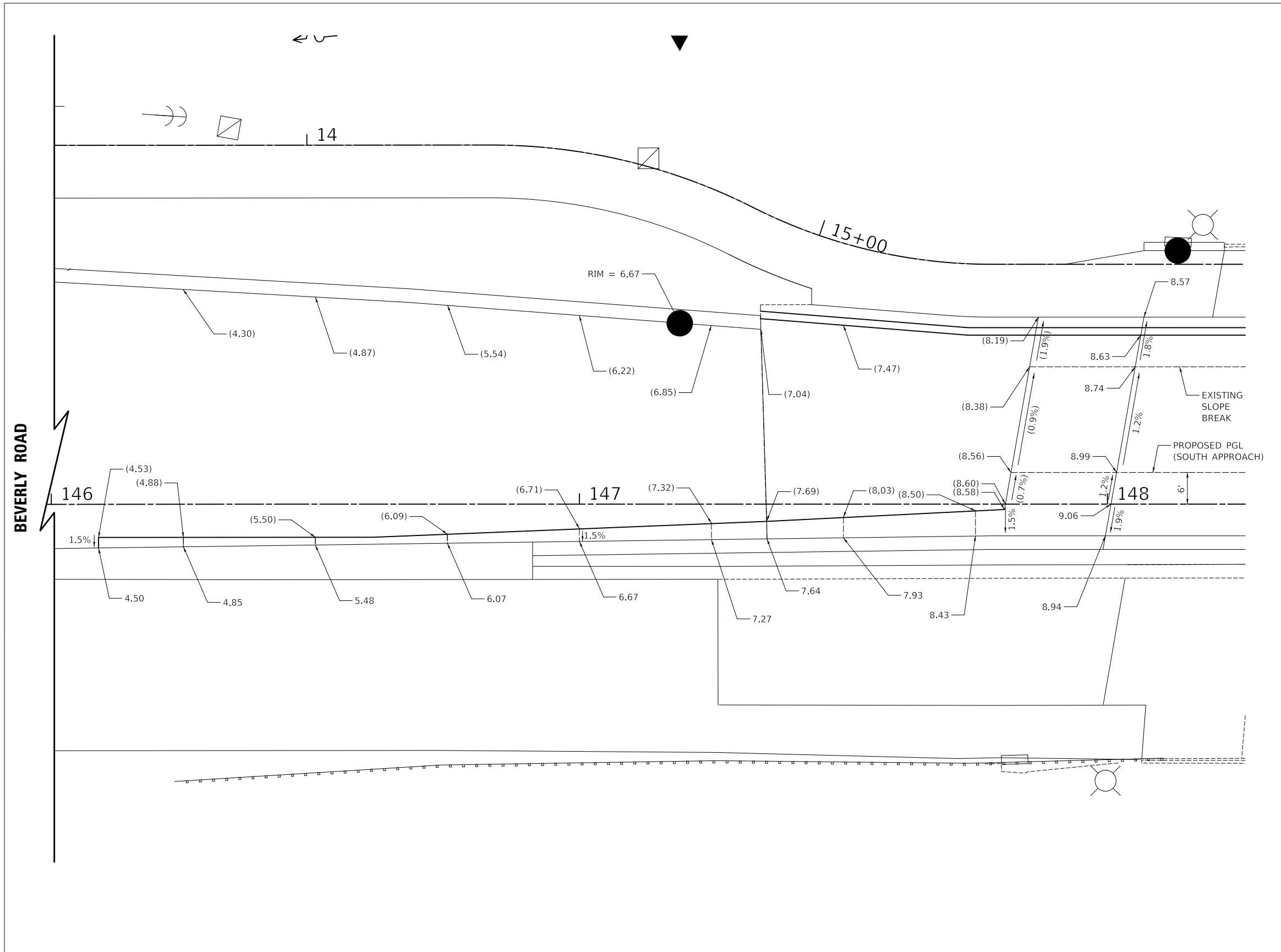
SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	61
				CONTRACT NO. 61J88
ILLINOIS				



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

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



LEGEND

XX.XX PROPOSED ELEVATION
 (XX.XX) EXISTING ELEVATION

NOTES

- ELEVATIONS ARE GIVEN ON +25 STATIONS EXCEPT WHERE NOTED.
- ADD 860 TO ALL ELEVATIONS EXCEPT WHERE NOTED.

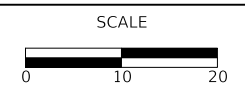
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 FILE NAME: ...3021 Bridge IGP 10 Scale



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VILLAGE OF HOFFMAN ESTATES



GRADING PLAN

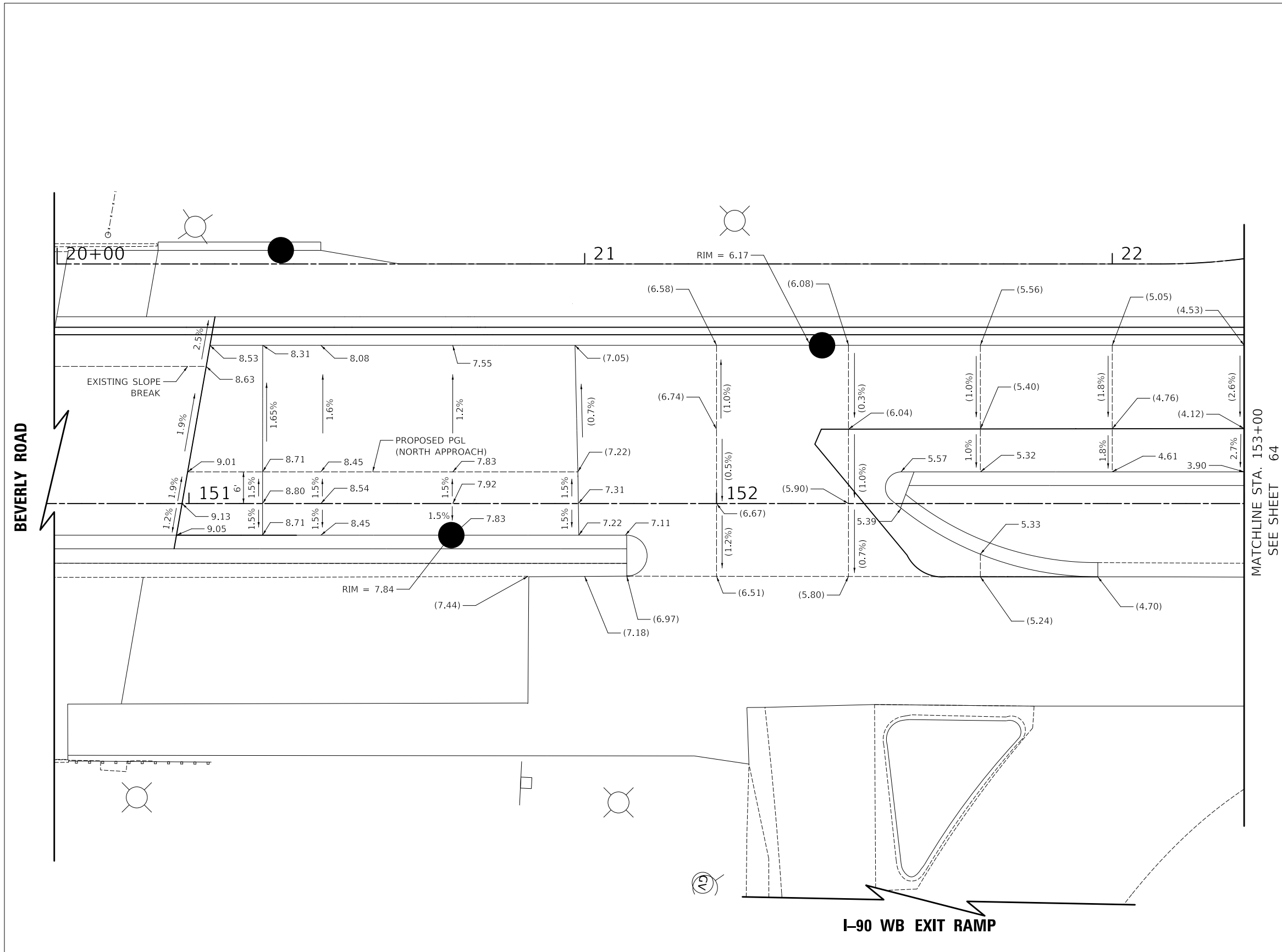
SHEET 1 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	62
			CONTRACT NO. 61J88	
ILLINOIS				



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK	ALIGNED CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
NOTE BOOK	STRUCTURE NOTATION	
	CHWD	



MATCHLINE STA. 153+00
SEE SHEET 64

LEGEND

- XX.XX PROPOSED ELEVATION
- (XX.XX) EXISTING ELEVATION

NOTES

- 1) ELEVATIONS ARE GIVEN ON +25 STATIONS EXCEPT WHERE NOTED.
- 2) ADD 860 TO ALL ELEVATIONS EXCEPT WHERE NOTED.

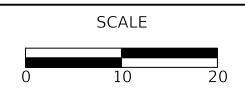
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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



GRADING PLAN

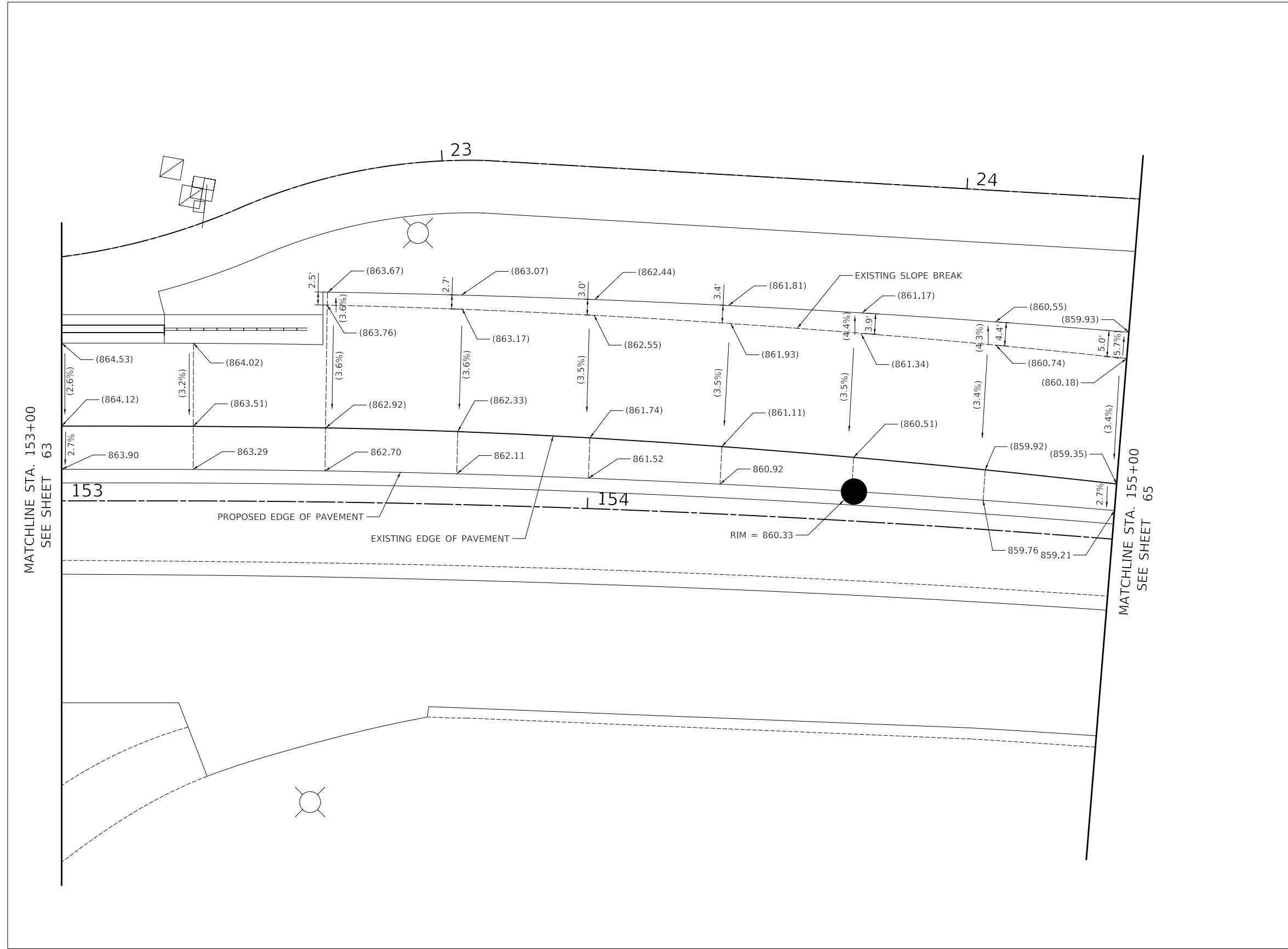
SHEET 2 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	63
			CONTRACT NO. 61J88	
ILLINOIS				



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

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



LEGEND

XX.XX PROPOSED ELEVATION
 (XX.XX) EXISTING ELEVATION

NOTES

- 1) ELEVATIONS ARE GIVEN ON +25 STATIONS EXCEPT WHERE NOTED.

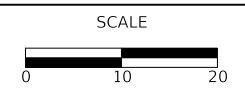
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VILLAGE OF HOFFMAN ESTATES



GRADING PLAN

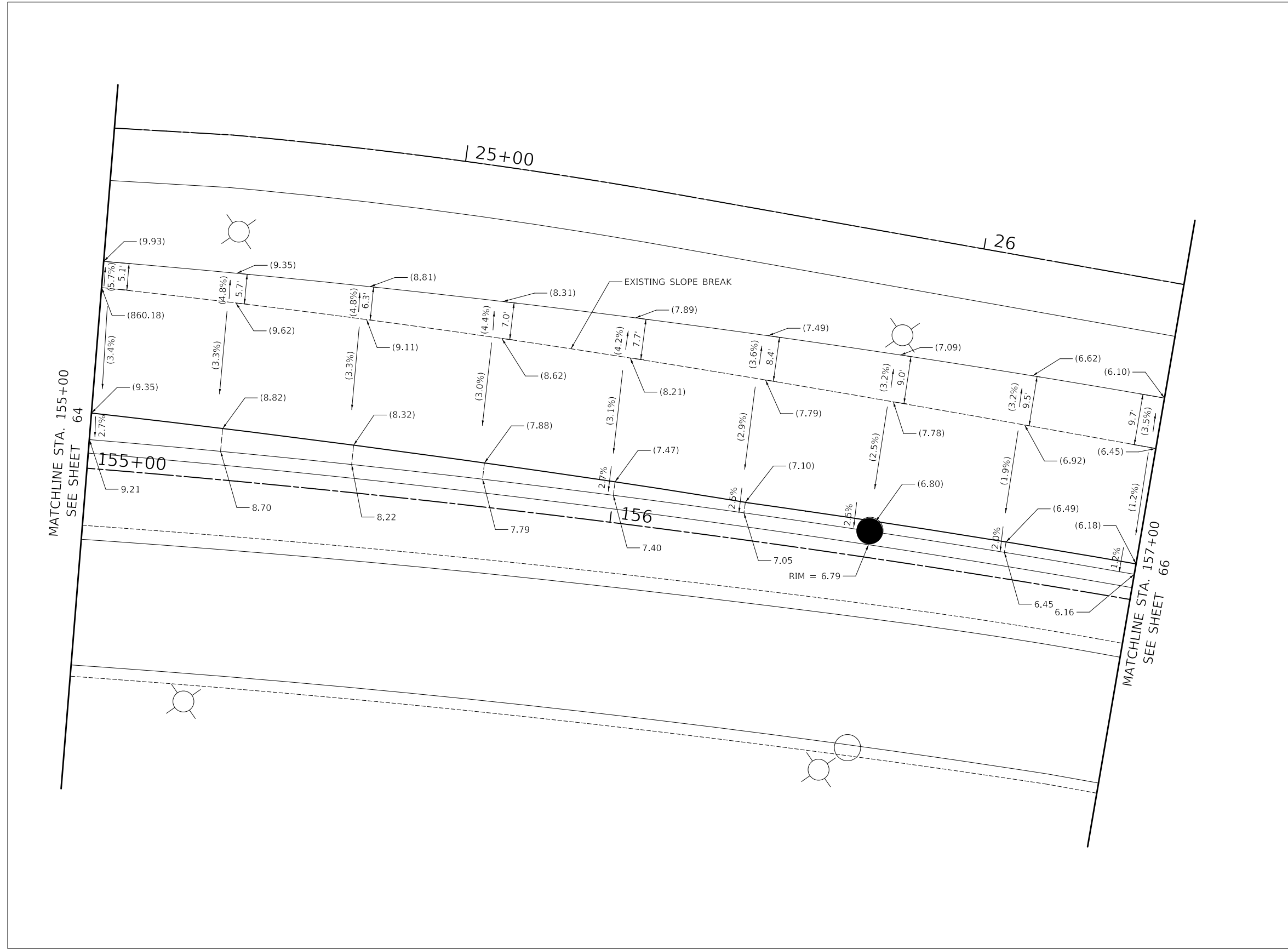
SHEET 3 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	64
ILLINOIS			CONTRACT NO. 61J88	



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

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
NOTE BOOK NO.	STRUCTURE NOTATION		
	STRUCTURE NOTATION		



LEGEND

XX.XX PROPOSED ELEVATION
 (XX.XX) EXISTING ELEVATION

NOTES

- ELEVATIONS ARE GIVEN ON +25 STATIONS EXCEPT WHERE NOTED.
- ADD 850 TO ALL ELEVATIONS EXCEPT WHERE NOTED.

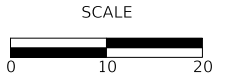
MODEL: SMODEL\MAMES
 FILE NAME: ...3021 Bridge IGP 10 Scale



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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



GRADING PLAN

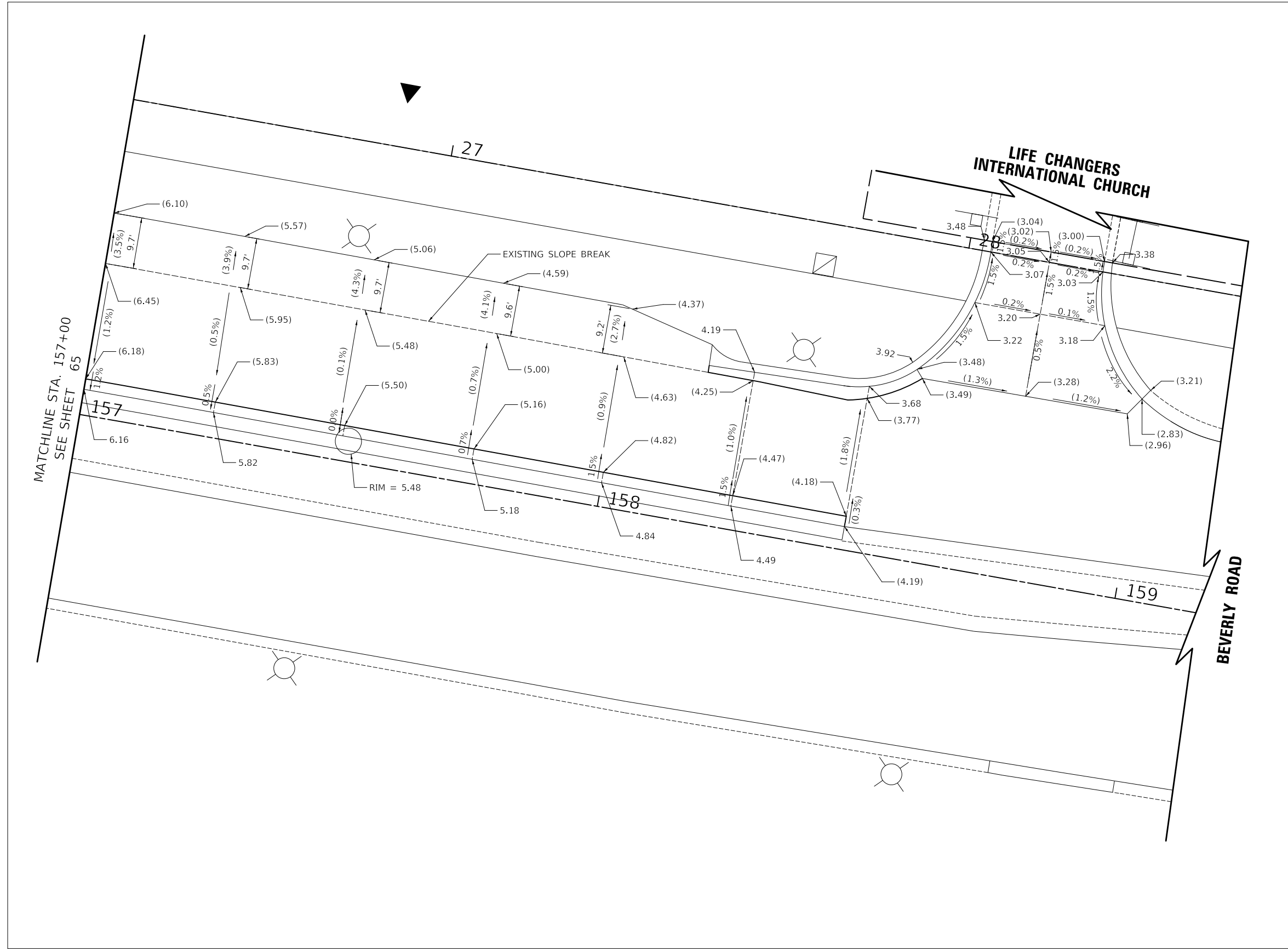
SHEET 4 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	65
ILLINOIS			CONTRACT NO. 61J88	



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

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATION CHKW	
	NOTE BOOK NO.	



LEGEND

XX.XX PROPOSED ELEVATION
 (XX.XX) EXISTING ELEVATION

NOTES

- ELEVATIONS ARE GIVEN ON +25 STATIONS EXCEPT WHERE NOTED.
- ADD 850 TO ALL ELEVATIONS EXCEPT WHERE NOTED.

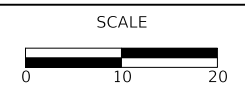
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VILLAGE OF HOFFMAN ESTATES



GRADING PLAN

SHEET 5 OF 5 SHEETS

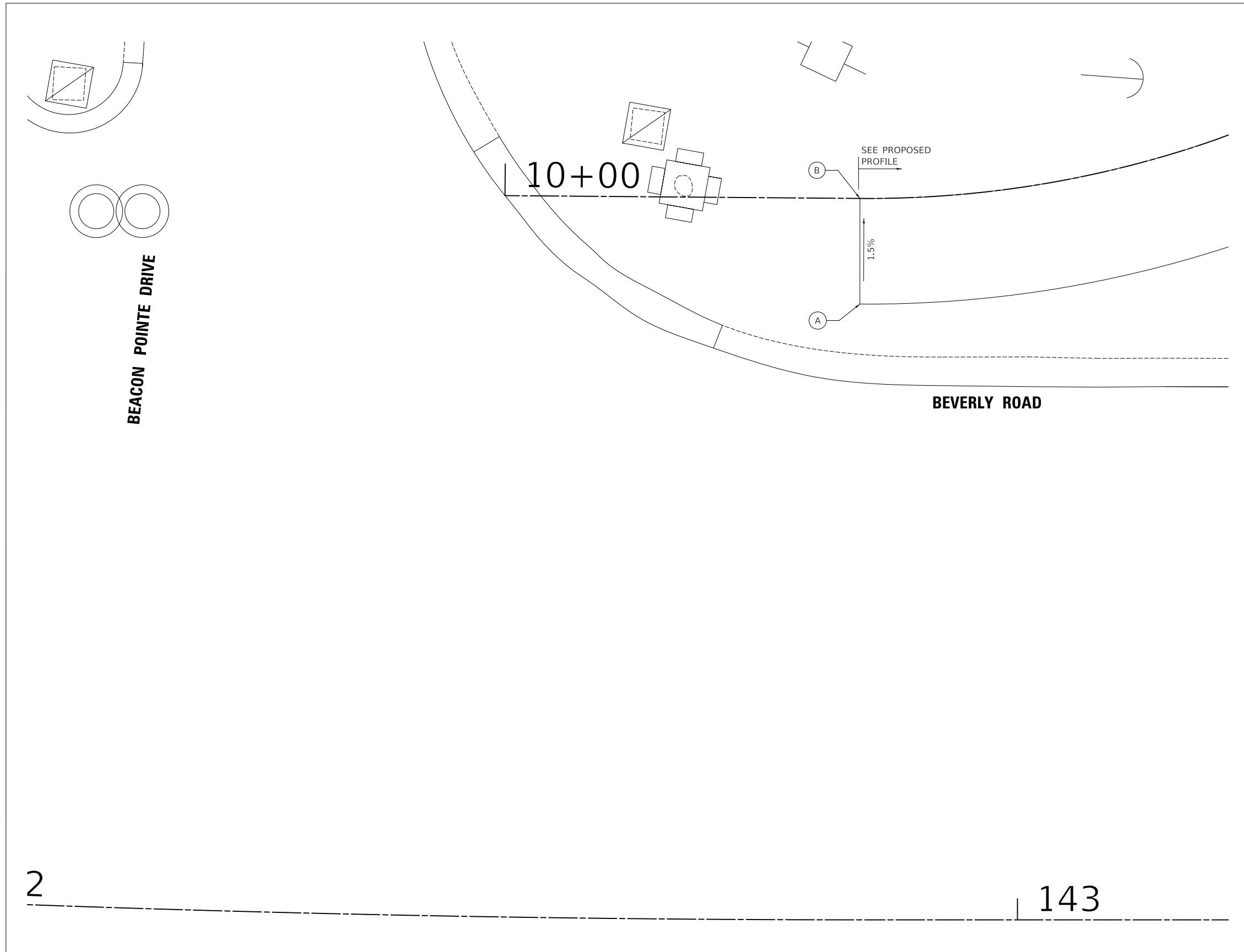
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	66
ILLINOIS			CONTRACT NO. 61J88	



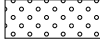
BEACON POINTE DRIVE			
	STATION	OFFSET	ELEVATION
A	142+85.06	58.30'LT	857.35
B	142+85.06	68.30'LT	857.20

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

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



LEGEND

-  DETECTABLE WARNINGS
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

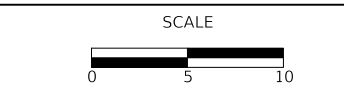
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VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

SHEET 1 OF 7 SHEETS

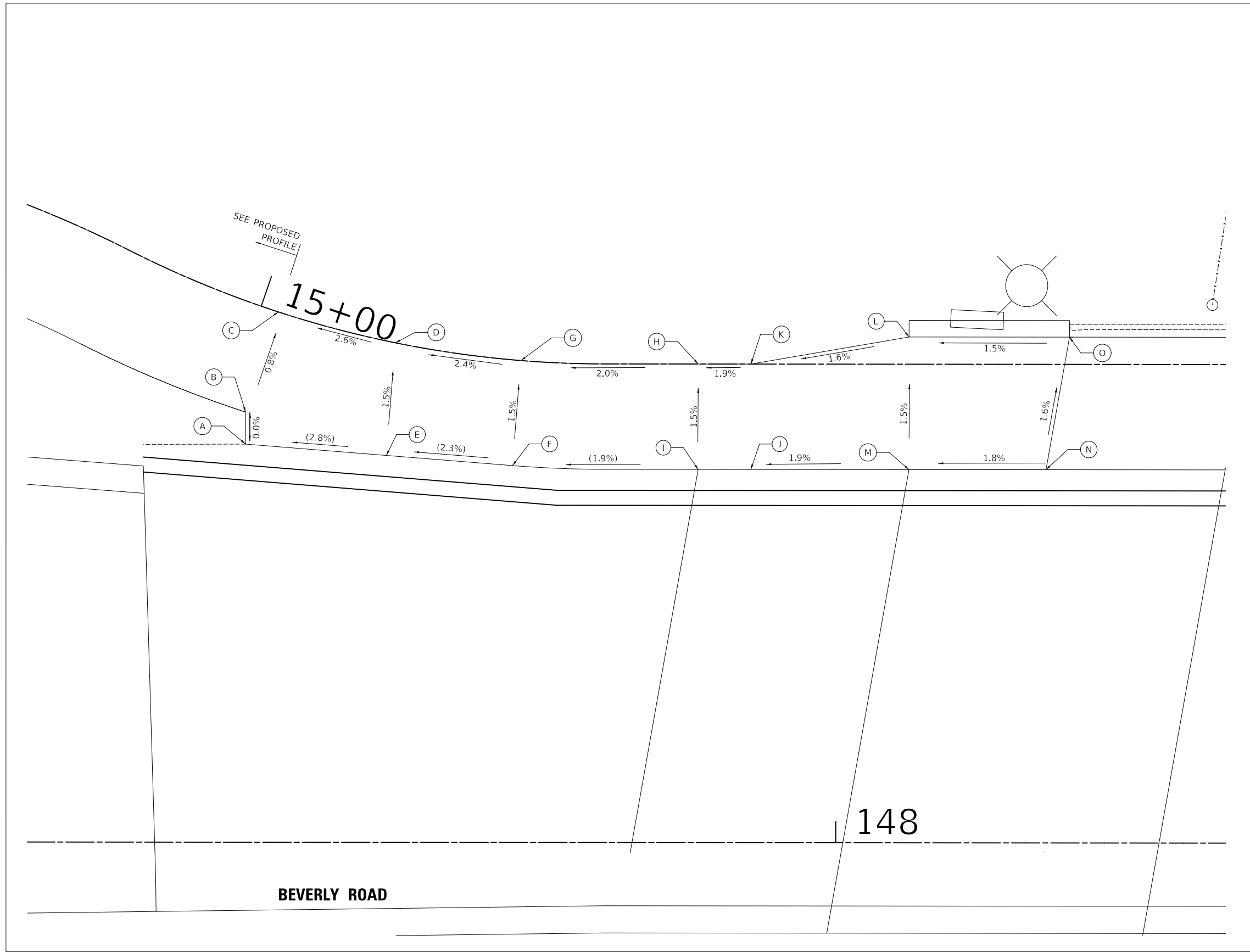
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	67
				CONTRACT NO. 61J88
ILLINOIS				



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

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

BRIDGE CONNECTION SOUTH			
	STATION	OFFSET	ELEVATION
A	147+43.98	37.78'LT	(867.21)
B	147+43.98	40.81'LT	867.21
C	147+47.07	50.32'LT	867.13
D	147+58.18	47.40'LT	867.43
E	147+57.33	36.71'LT	(867.59)
F	147+69.29	35.76'LT	(867.86)
G	147+70.09	45.73'LT	867.71
H	147+86.91	45.42'LT	868.04
I	147+86.91	35.42'LT	(868.19)
J	147+91.91	35.42'LT	868.29
K	147+91.91	45.42'LT	868.14
L	148+06.91	48.00'LT	868.39
M	148+06.91	35.42'LT	868.57
N	148+19.91	35.42'LT	868.81
O	148+22.13	48.00'LT	868.61



LEGEND

	DETECTABLE WARNINGS
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

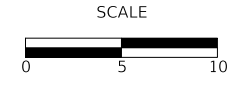
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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

SHEET 2 OF 7 SHEETS

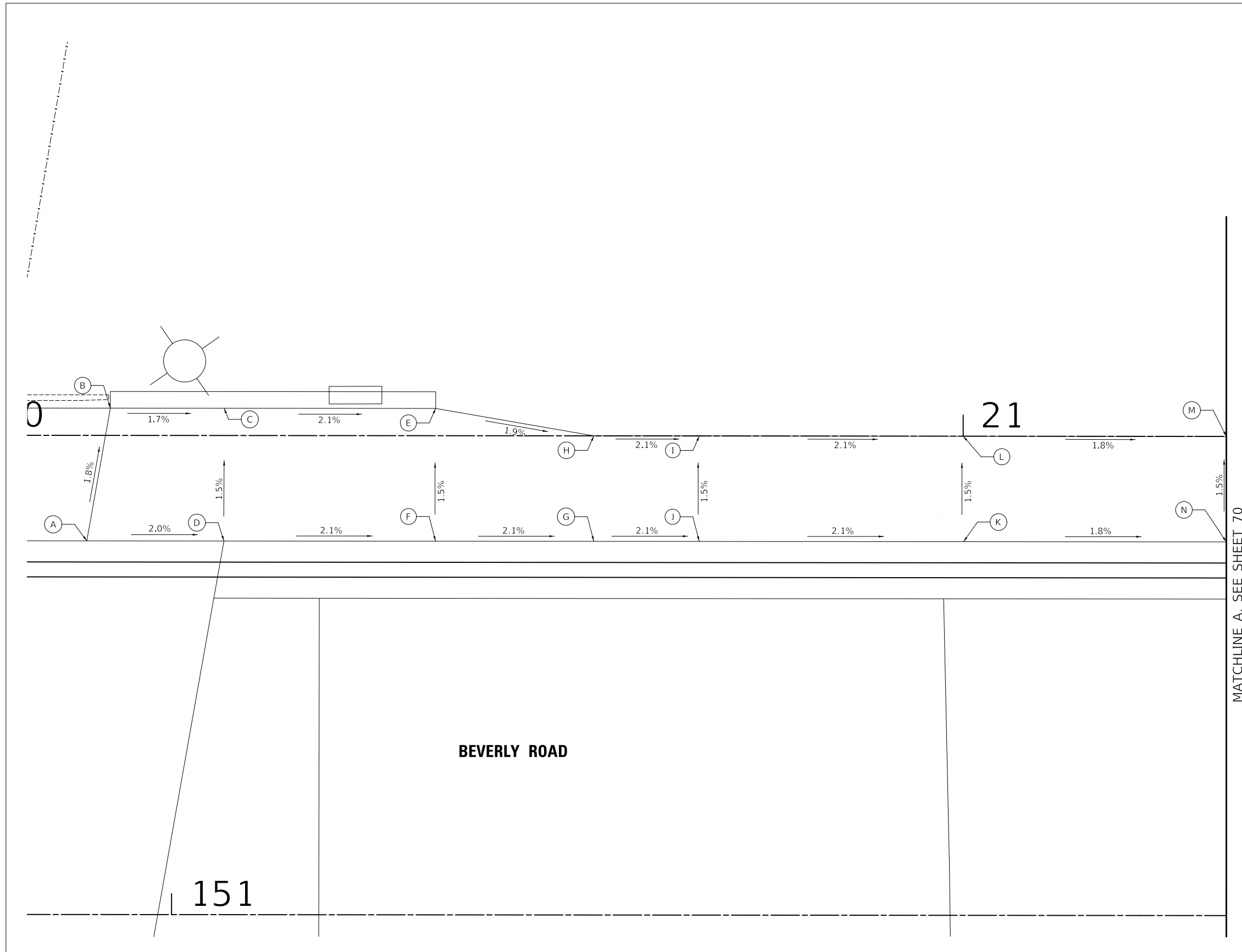
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	68
			CONTRACT NO. 61J88	
ILLINOIS				



BRIDGE CONNECTION NORTH			
	STATION	OFFSET	ELEVATION
A	150+91.94	35.42'LT	868.66
B	150+94.16	48.00'LT	868.42
C	151+04.94	48.00'LT	868.24
D	151+04.94	35.42'LT	868.43
E	151+25.00	48.00'LT	867.81
F	151+25.00	35.42'LT	868.00
G	151+40.00	35.42'LT	867.68
H	151+40.00	45.42'LT	867.53
I	151+50.00	45.42'LT	867.31
J	151+50.00	35.42'LT	867.46
K	151+75.00	35.42'LT	866.94
L	151+75.00	45.42'LT	866.79
M	152+00.00	45.42'LT	866.35
N	152+00.00	35.42'LT	866.50

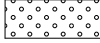
PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	ALIGNMENT CHECKED	
	BY	
	CADD FILE NAME	

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



MATCHLINE A, SEE SHEET 70

LEGEND

-  DETECTABLE WARNINGS
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

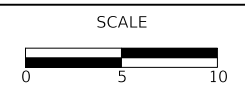
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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

SHEET 3 OF 7 SHEETS

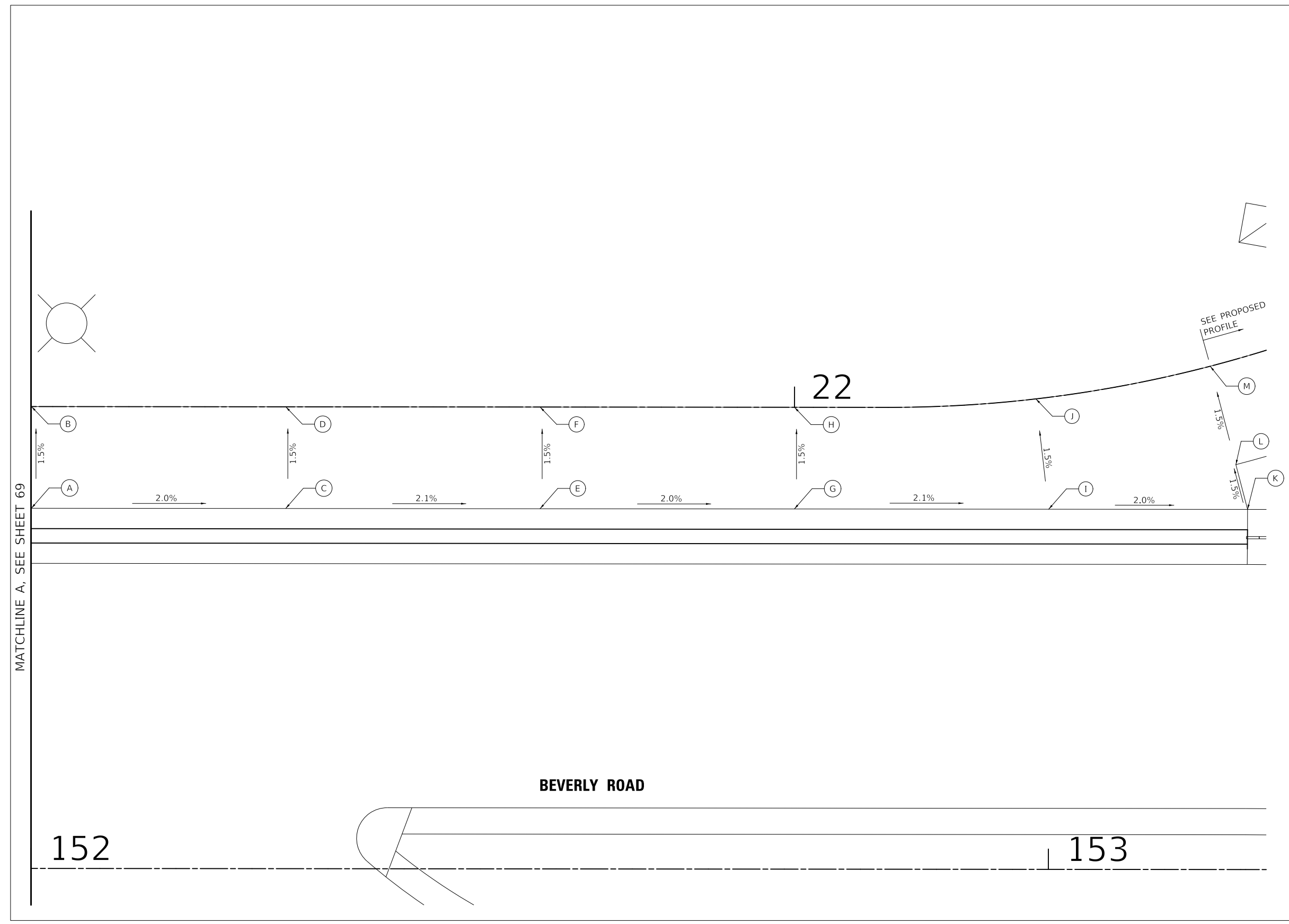
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	69
				CONTRACT NO. 61J88
ILLINOIS				



BRIDGE CONNECTION NORTH 2			
	STATION	OFFSET	ELEVATION
A	152+00.00	35.42'LT	866.50
B	152+00.00	45.42'LT	866.35
C	152+25.00	35.42'LT	866.00
D	152+25.00	45.42'LT	865.85
E	152+50.00	35.42'LT	865.48
F	152+50.00	45.42'LT	865.33
G	152+75.00	35.42'LT	864.97
H	152+75.00	45.42'LT	864.82
I	153+00.00	35.42'LT	864.45
J	152+98.73	46.26'LT	864.29
K	153+19.54	35.42'LT	864.05
L	153+18.40	39.82'LT	863.99
M	153+15.86	49.49'LT	863.84

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

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



LEGEND

	DETECTABLE WARNINGS
X% / XXX.XX	PROPOSED SLOPE / ELEVATION
(X%) / (XXX.XX)	EXISTING SLOPE / ELEVATION

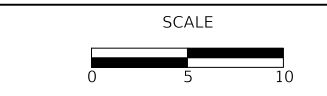
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DRAWN -	JFG	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

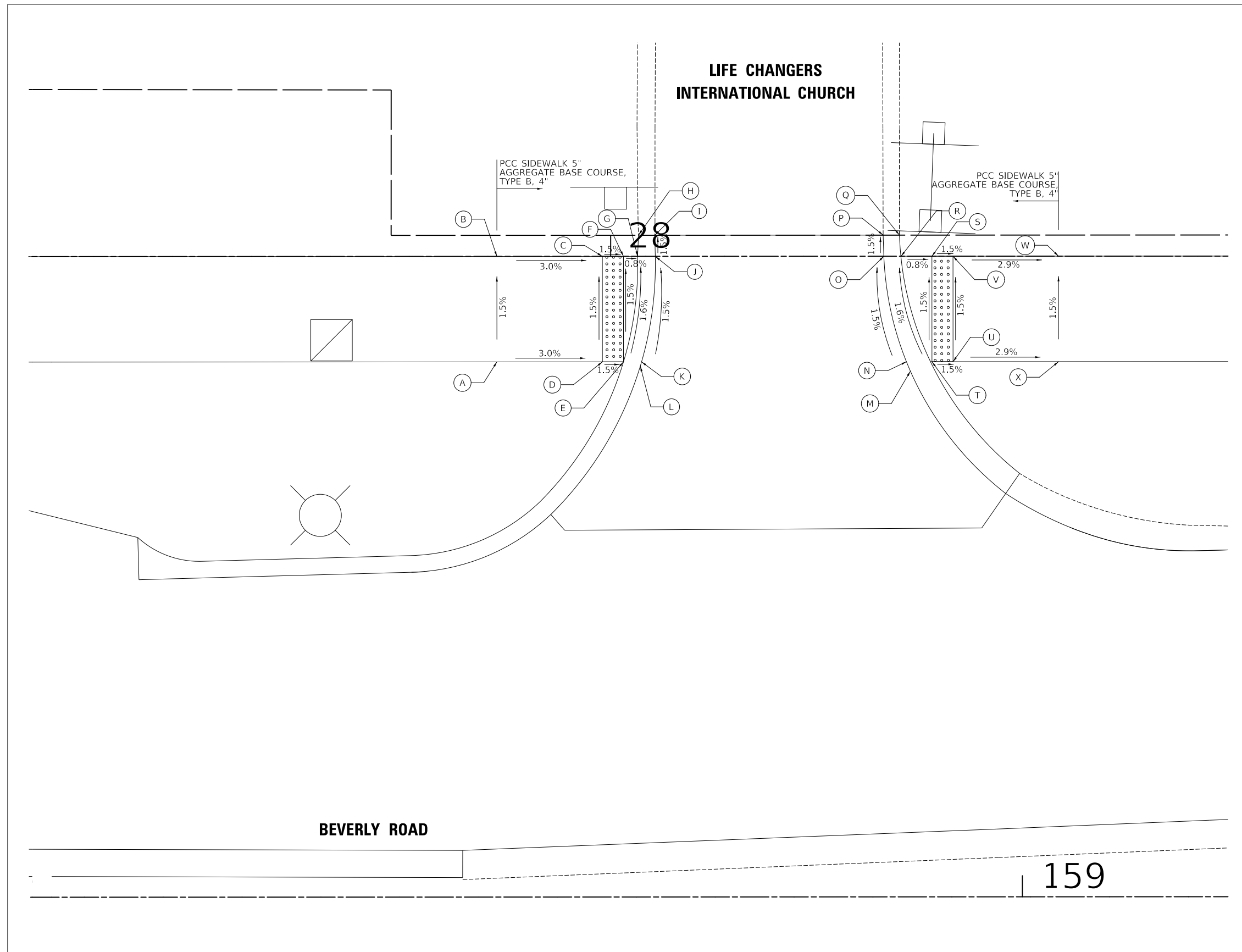
SHEET 4 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	70
				CONTRACT NO. 61J88
ILLINOIS				



LIFE CHANGERS INTERNATIONAL			
	STATION	OFFSET	ELEVATION
A	158+50.21	50.72'LT	853.55
B	158+50.21	60.72'LT	853.40
C	158+60.21	60.72'LT	853.10
D	158+60.21	50.72'LT	853.24
E	158+62.21	50.72'LT	853.21
F	158+62.21	60.72'LT	853.07
G	158+63.55	60.72'LT	853.06
H	158+63.63	62.72'LT	853.48
I	158+65.18	62.72'LT	(853.04)
J	158+65.23	60.72'LT	853.07
K	158+63.92	50.72'LT	853.22
L	158+63.80	50.32'LT	853.23
M	158+89.41	49.82'LT	853.16
N	158+89.03	50.72'LT	853.18
O	158+86.89	60.72'LT	853.03
P	158+86.83	62.72'LT	(853.00)
Q	158+88.37	62.72'LT	853.38
R	158+88.51	60.72'LT	852.97
S	158+91.45	60.72'LT	852.95
T	158+91.45	50.72'LT	853.10
U	158+93.45	50.72'LT	853.07
V	158+93.45	60.72'LT	852.92
W	159+03.45	60.72'LT	852.63
X	159+03.45	50.72'LT	852.78

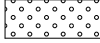
LIFE CHANGERS INTERNATIONAL CHURCH



PLAN	SURVEYED	DATE
NO.	BY	

PROFILE	SURVEYED	DATE
NO.	BY	

LEGEND

-  DETECTABLE WARNINGS
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

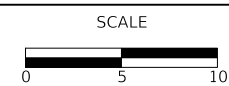
MODEL: SHODLNAME
FILE NAME: ...13-SidewalkGrading3621_ADA



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DATE -	7/28/2023	REVISED -	

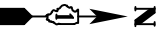
VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

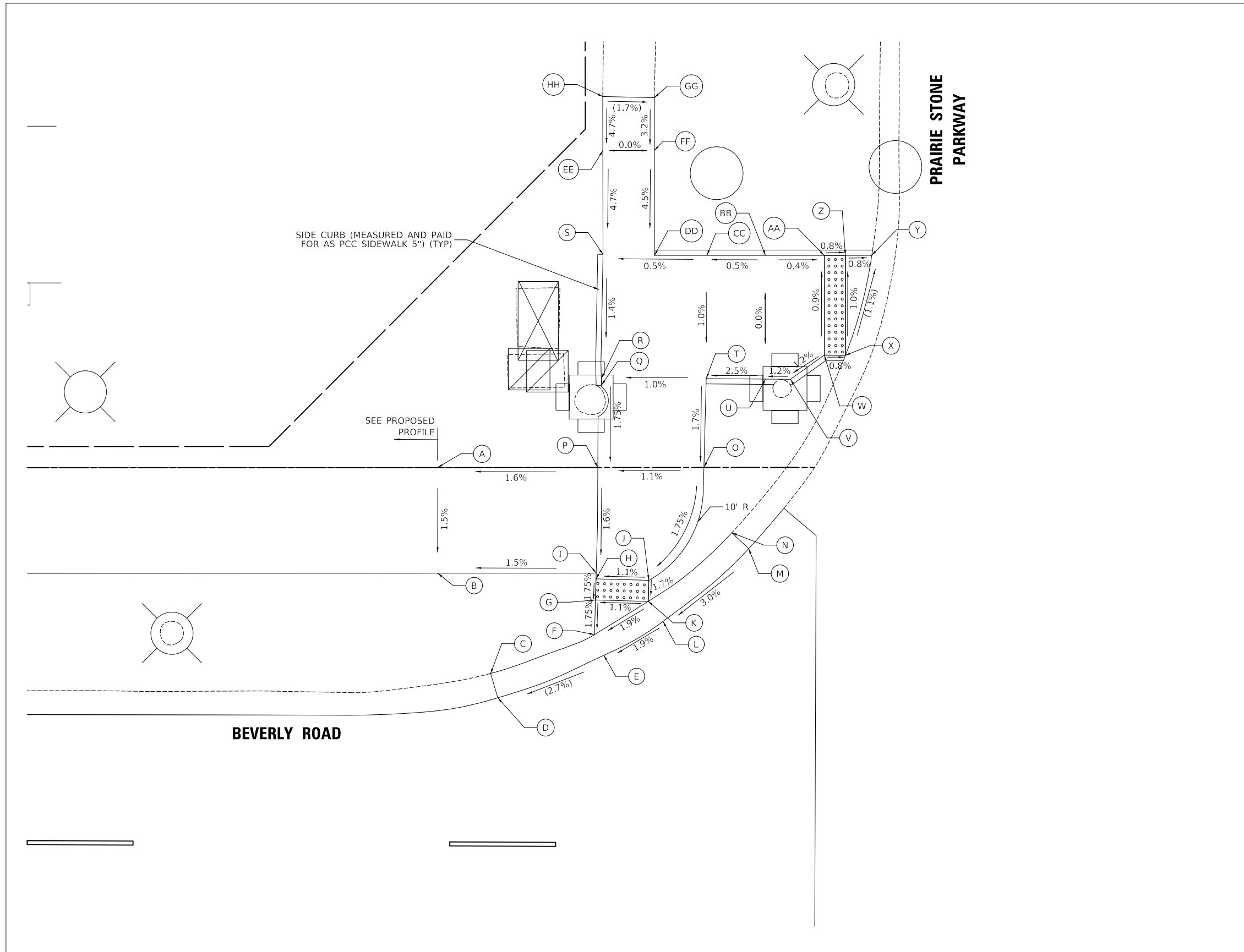
SHEET 5 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	71
ILLINOIS			CONTRACT NO. 61J88	



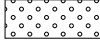
PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	AS PAVED FILE NAME	

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



PRAIRIE STONE PARKWAY SW CORNER				TOP OF CURB ELEVATION
	STATION	OFFSET	ELEVATION	
A	163+09.92	60.72' LT	852.17	
B	163+09.92	50.72' LT	852.02	
C	163+14.92	41.22' LT	(852.34)	
D	163+15.60	38.92' LT	(851.96)	
E	163+25.64	42.94' LT	(852.24)	
F	163+24.76	44.90' LT	852.18	
G	163+24.87	48.18' LT	852.20	
H	163+24.90	50.18' LT	852.24	
I	163+24.92	50.72' LT	852.25	
J	163+29.90	50.04' LT	852.29	
K	163+29.85	48.05' LT	852.26	
L	163+31.24	46.15' LT	852.32	
M	163+39.35	53.03' LT	(852.70)	
N	163+37.75	54.53' LT	(853.08)	
O	163+35.12	60.72' LT	852.52	
P	163+25.08	60.72' LT	852.41	
Q	163+25.42	68.50' LT	852.55	853.05
R	163+25.41	69.14' LT	852.57	853.03
S	163+25.58	80.90' LT	852.73	852.73
T	163+35.34	69.14' LT	852.66	852.66
U	163+40.96	69.08' LT	852.80	852.94
V	163+43.31	69.06' LT	852.85	853.06
W	163+46.52	71.35' LT	852.88	853.26
X	163+48.52	71.35' LT	(852.86)	853.36
Y	163+51.01	80.80' LT	(852.75)	853.25
Z	163+48.51	80.80' LT	852.77	853.19
AA	163+46.51	80.80' LT	852.78	853.14
BB	163+40.96	80.80' LT	852.80	853.01
CC	163+35.42	80.80' LT	852.77	852.87
DD	163+30.45	80.80' LT	852.75	852.75
EE	163+25.56	90.72' LT	853.20	
FF	163+30.44	90.73' LT	853.20	
GG	163+30.44	95.73' LT	(853.35)	
HH	163+25.55	95.84' LT	(853.44)	

LEGEND

-  DETECTABLE WARNINGS
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

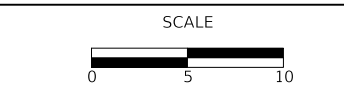
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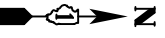
VILLAGE OF HOFFMAN ESTATES



ADA GRADING PLAN

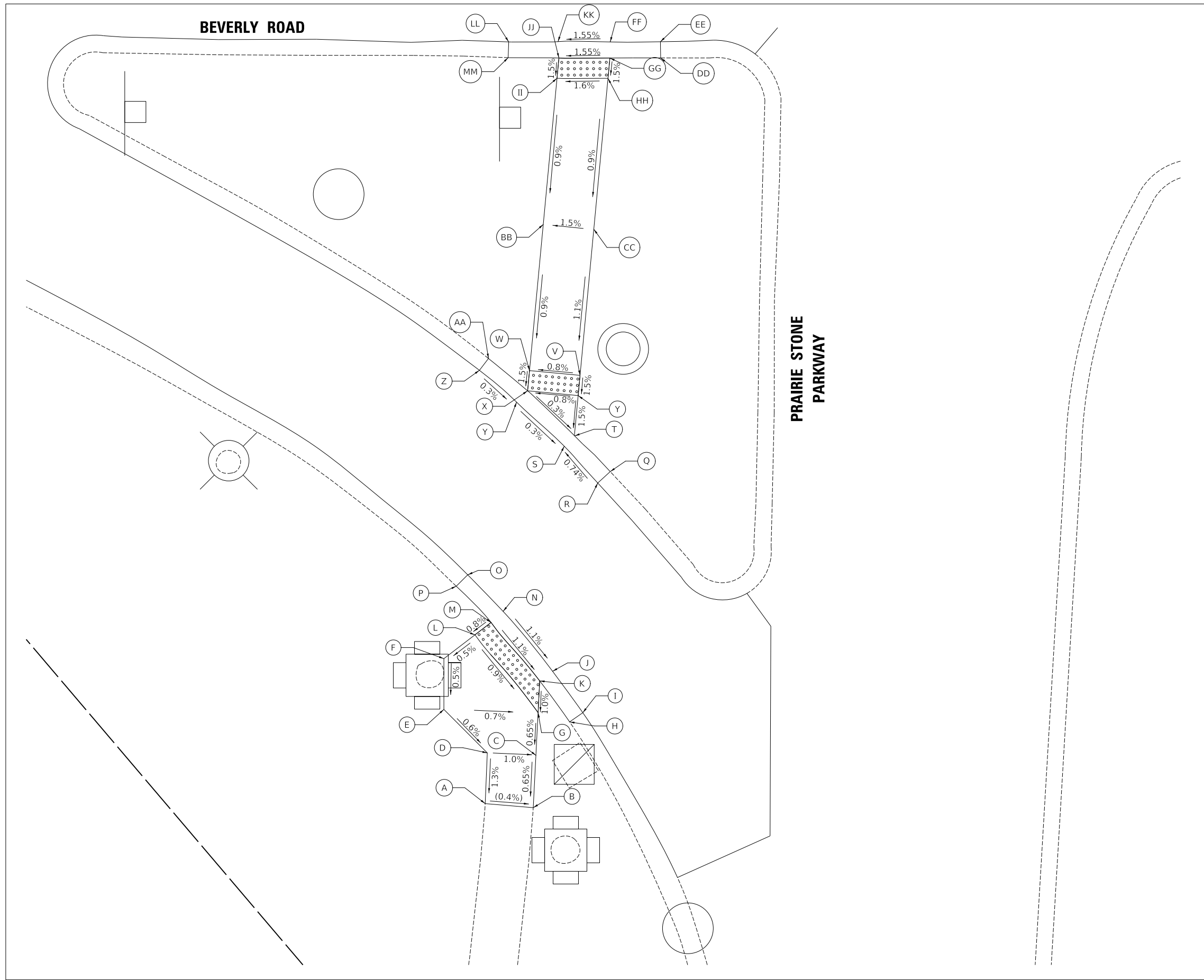
SHEET 6 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	72
			CONTRACT NO. 61J88	
ILLINOIS				



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

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



PRAIRIE STONE PARKWAY SE CORNER			
	STATION	OFFSET	ELEVATION
A	163+16.21	107.10' RT	(851.26)
B	163+20.94	107.50' RT	(851.24)
C	163+21.20	102.35' RT	851.28
D	163+16.41	102.10' RT	851.33
E	163+12.14	97.82' RT	851.36
F	163+12.14	92.82' RT	851.38
G	163+21.42	98.14' RT	851.31
H	163+24.52	99.05' RT	(851.73)
I	163+25.83	98.15' RT	(851.29)
J	163+22.85	94.06' RT	851.35
K	163+21.58	95.01' RT	851.34
L	163+15.21	90.47' RT	851.40
M	163+16.79	89.25' RT	851.41
N	163+17.98	88.16' RT	851.42
O	163+14.49	84.56' RT	(851.48)
P	163+13.36	85.68' RT	(851.92)
Q	163+28.53	74.40' RT	(852.42)
R	163+27.31	75.52' RT	(851.98)
S	163+24.01	71.89' RT	851.94
T	163+25.01	70.50' RT	851.93
U	163+25.37	66.96' RT	851.99
V	163+25.57	64.91' RT	852.02
W	163+20.59	64.44' RT	851.98
X	163+20.40	66.43' RT	851.95
Y	163+19.31	67.55' RT	851.96
Z	163+15.66	64.41' RT	(851.99)
AA	163+16.55	63.25' RT	(852.43)
BB	163+21.95	50.05' RT	852.11
CC	163+26.93	50.52' RT	852.18
DD	163+33.52	33.65' RT	(852.87)
EE	163+33.49	32.05' RT	(852.43)
FF	163+28.55	32.07' RT	852.36
GG	163+28.52	33.65' RT	852.35
HH	163+28.33	35.65' RT	852.32
II	163+23.31	35.65' RT	852.24
JJ	163+23.50	33.65' RT	852.27
KK	163+23.41	32.04' RT	852.28
LL	163+18.55	32.06' RT	(852.20)
MM	163+18.50	33.61' RT	(852.64)

LEGEND

- DETECTABLE WARNINGS
- X% / XXX.XX PROPOSED SLOPE / ELEVATION
- (X%) / (XXX.XX) EXISTING SLOPE / ELEVATION

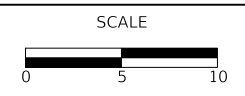
MODEL: SHODLNAME
FILE NAME: ...13-SiteWallGrading3621_ADA



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VILLAGE OF HOFFMAN ESTATES



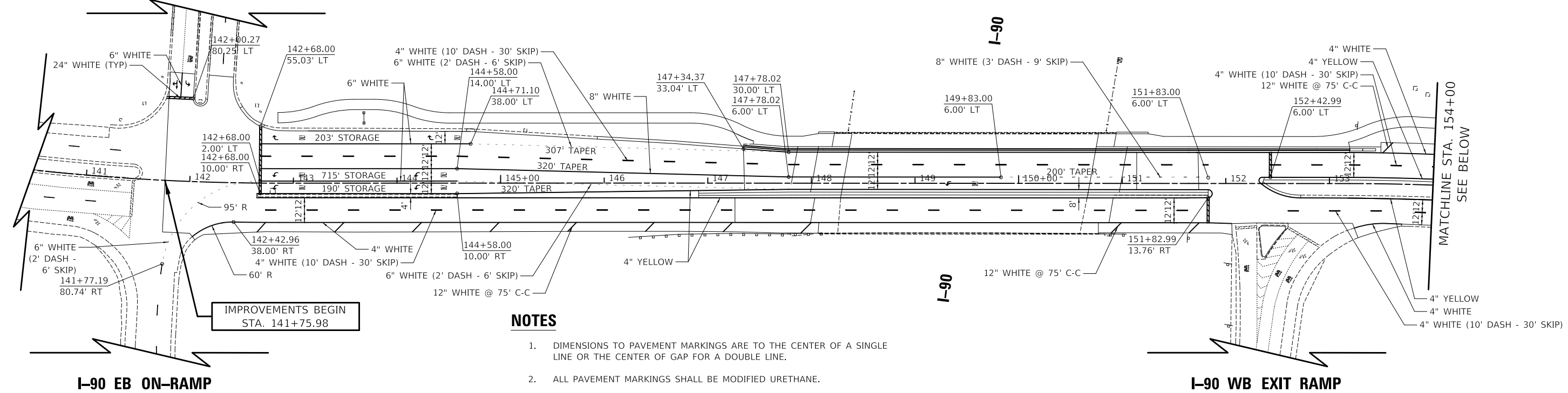
ADA GRADING PLAN

SHEET 7 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	73
ILLINOIS			CONTRACT NO. 61J88	



BEACON POINTE DRIVE



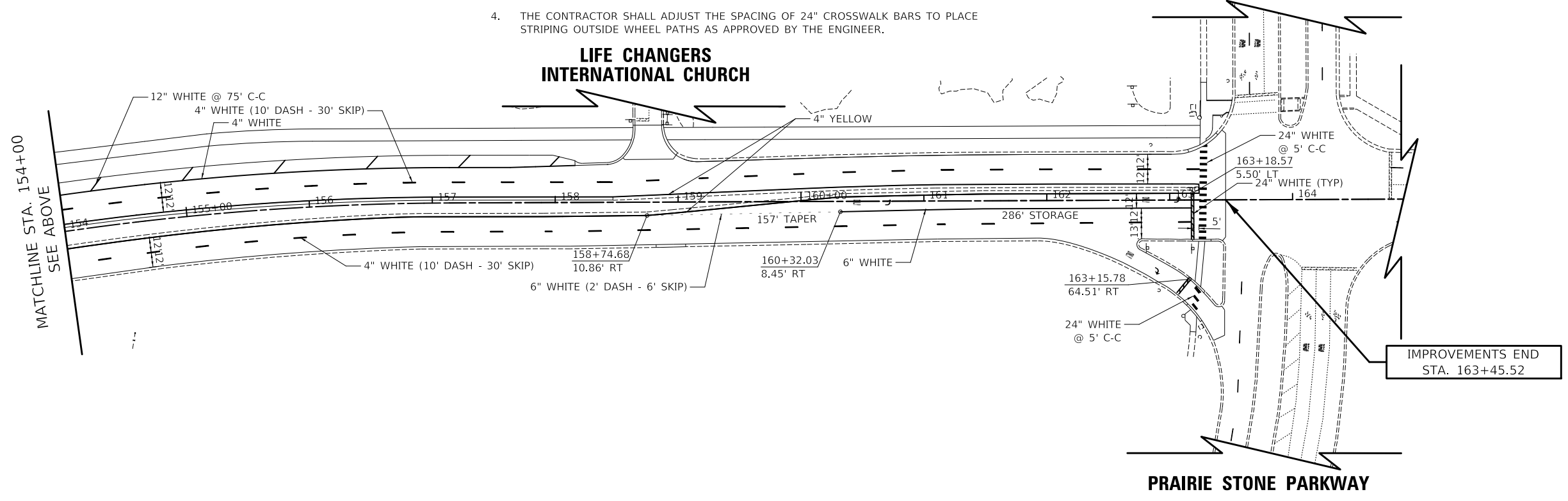
IMPROVEMENTS BEGIN
STA. 141+75.98

MATCHLINE STA. 154+00
SEE BELOW

NOTES

- DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
- ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE.
- THE CONTRACTOR SHALL SURVEY THE TYPE AND LOCATION OF ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE PROJECT LIMITS THAT WILL BE REMOVED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF "CONSTRUCTION LAYOUT". THESE MARKINGS SHALL BE REPLACED IN KIND AND PAID FOR AS "MODIFIED URETHANE" OF THE TYPE REQUIRED.
- THE CONTRACTOR SHALL ADJUST THE SPACING OF 24" CROSSWALK BARS TO PLACE STRIPING OUTSIDE WHEEL PATHS AS APPROVED BY THE ENGINEER.

LIFE CHANGERS INTERNATIONAL CHURCH



MATCHLINE STA. 154+00
SEE ABOVE

IMPROVEMENTS END
STA. 163+45.52

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

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

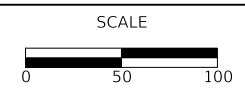
MODEL: SMODEL\MAMES
FILE NAME: ...3021-PRK.dgn



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VILLAGE OF HOFFMAN ESTATES



PAVEMENT MARKING PLAN

SHEET 1 OF 1 SHEETS STA. 141+75.98 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	74
ILLINOIS			CONTRACT NO. 61J88	

LEGEND

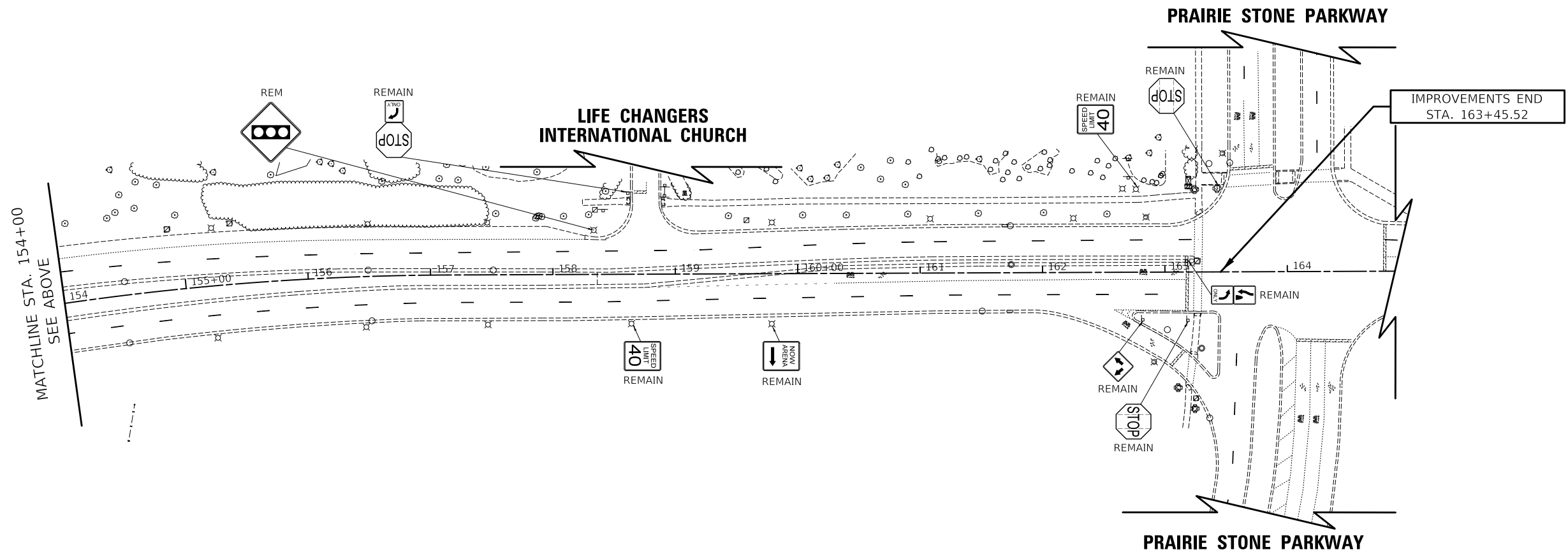
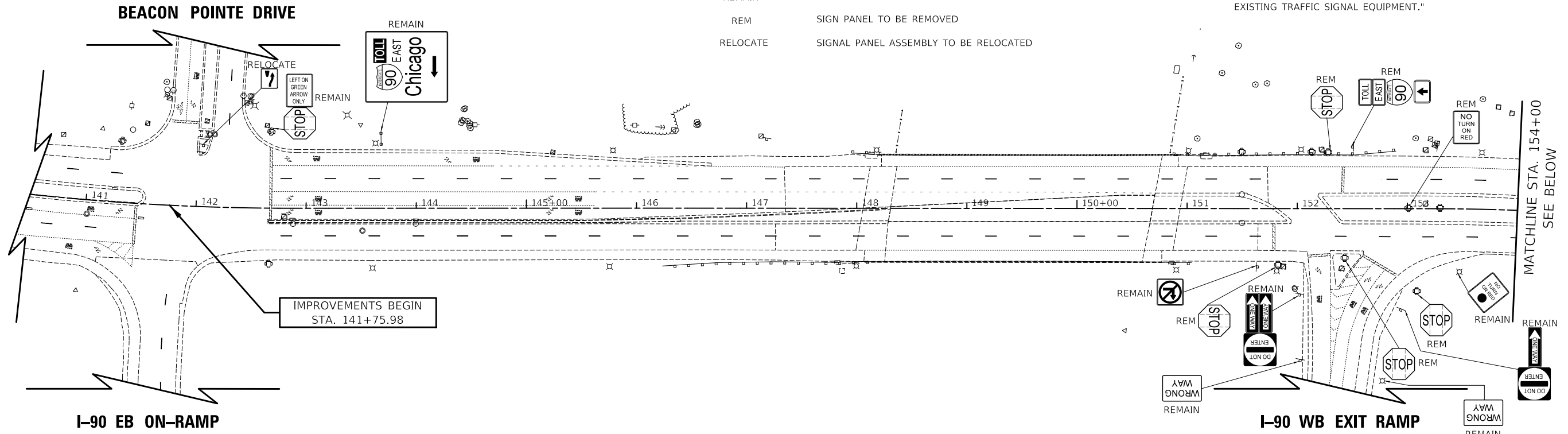
- ⊗ EXISTING LIGHT POLE
- ⊥ EXISTING SIGN
- ⊕ EXISTING SIGNAL POST
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- REM SIGN PANEL TO BE REMOVED
- RELOCATE SIGNAL PANEL ASSEMBLY TO BE RELOCATED

NOTE: REMOVAL OF EXISTING FOLDING STOP SIGNS SHALL BE INCLUDED IN THE COST OF "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."



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

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



MODEL: SMODELNAMAMES
FILE NAME: ...3821-cv-sign.dgn



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DATE	-	7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES

SCALE



EXISTING SIGNING PLAN

SHEET 1 OF 1 SHEETS STA. 141+75.98 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	75
ILLINOIS			CONTRACT NO. 61J88	

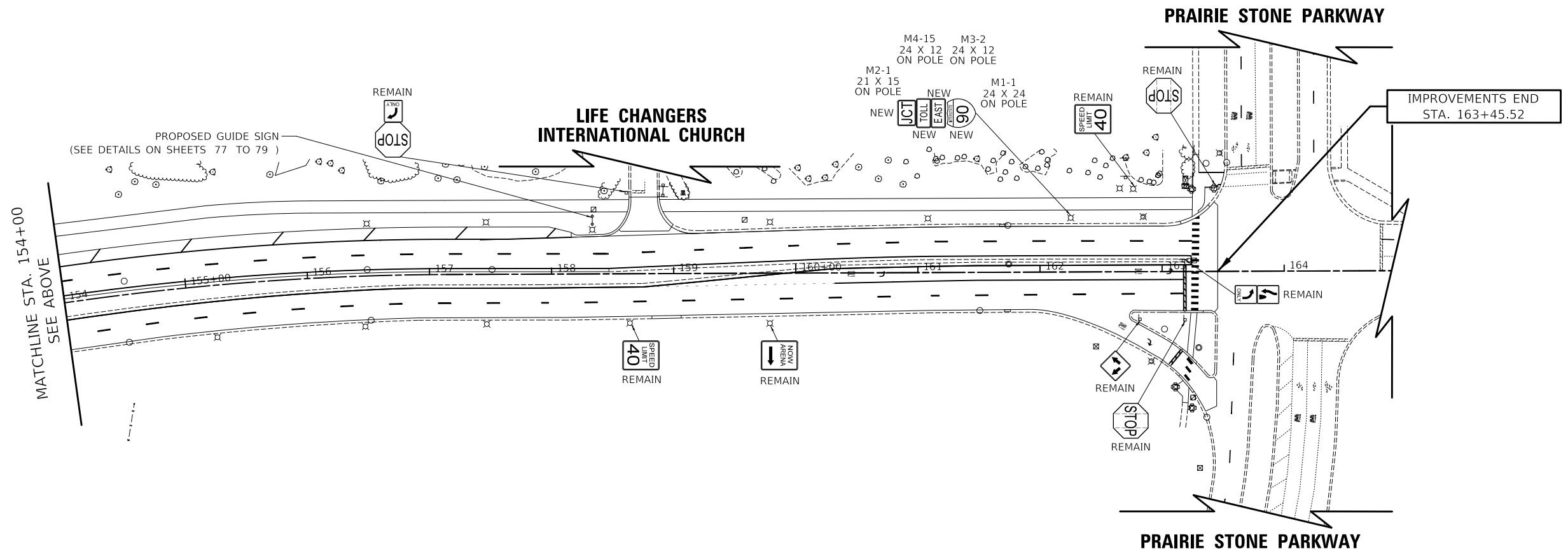
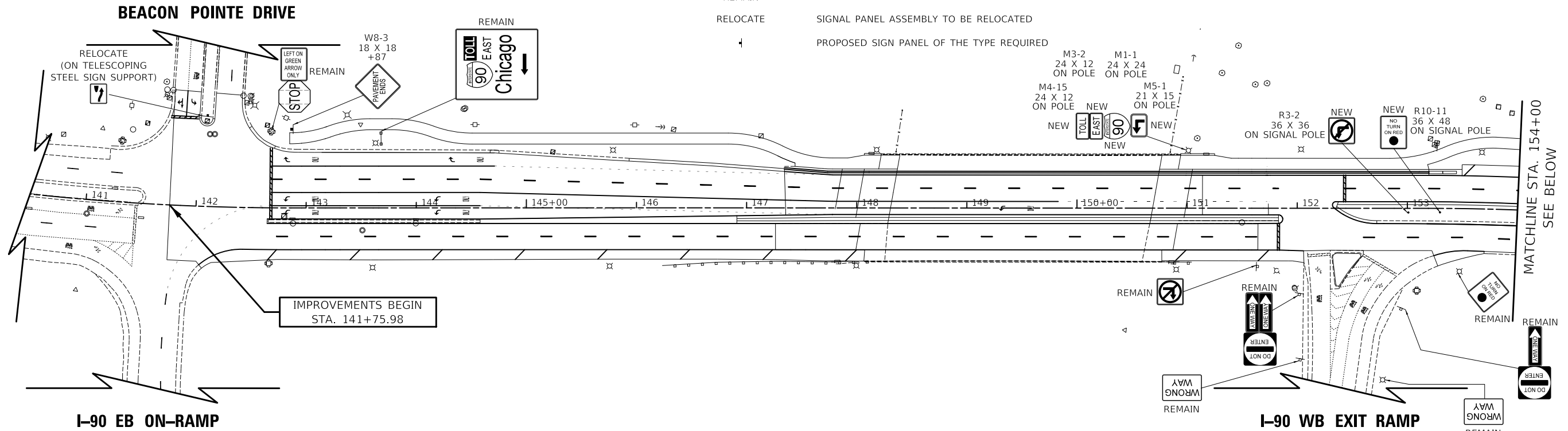
LEGEND

- ⊗ EXISTING LIGHT POLE
- ⊕ EXISTING SIGN
- ⊙ EXISTING SIGNAL POST
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- RELOCATE SIGNAL PANEL ASSEMBLY TO BE RELOCATED
- ⊕ PROPOSED SIGN PANEL OF THE TYPE REQUIRED



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

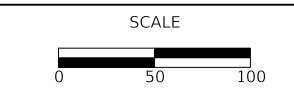
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



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DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



PROPOSED SIGNING PLAN
 SHEET 1 OF 1 SHEETS STA. 141+75.98 TO STA. 163+45.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	76
ILLINOIS			CONTRACT NO. 61J88	

SIGN DETAIL

1:50



Panel Style: guide_fwy_toll_green.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_fwy_toll_green.ssi

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	Entrance - Toll Account Not Required
WIDTH x HGHT.	9'-6" x 7'-0"
BORDER WIDTH	2"
CORNER RADIUS	11"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/Black/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	22.9	50.6	24	24

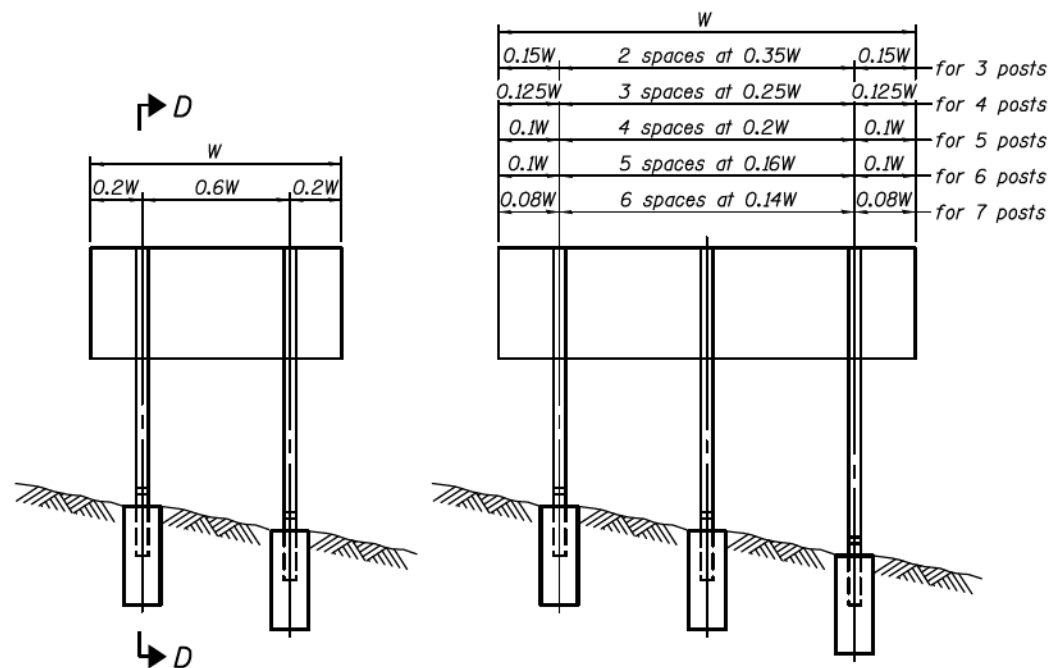
LETTER POSITIONS (X)

LETTER POSITIONS (X)																LENGTH	SERIESSIZE
T	O	L	L														E 2000
63.5	68.8	75.3	80.8														21.8 6
E	A	S	T														E 2000
57.9	66.4	75.4	82.8														30.9 10,8
C	h	i	c	a	g	o											EM 2000
16	30.5	44.6	51.4	63.1	76	88.9											81.9 13.3/10
K	E	E	P		L	E	F	T									E 2000
24.4	32.3	39.9	47.5	54	62	69.4	77	83.6									65.2 8

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

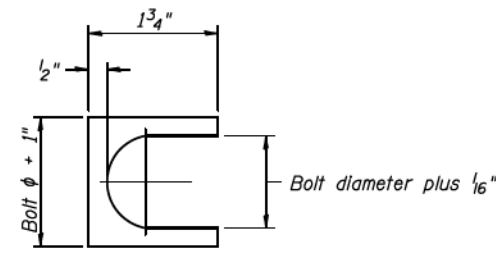
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	

MODEL: SMOBELMAMES
FILE NAME: ...3021-5igning_Details.dgn



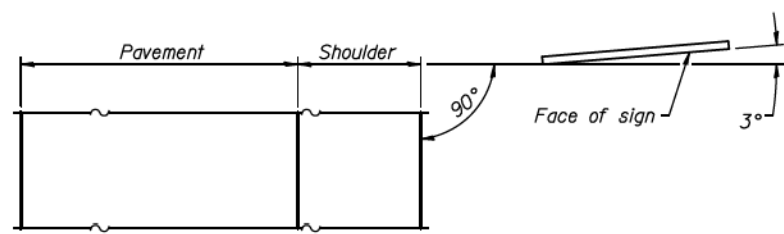
0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

ELEVATION

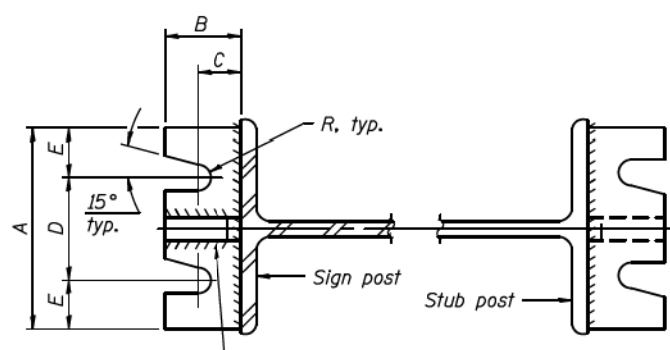


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

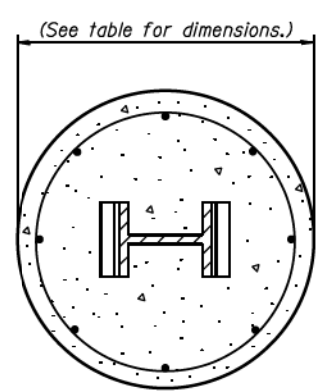


LOCATION SKETCH

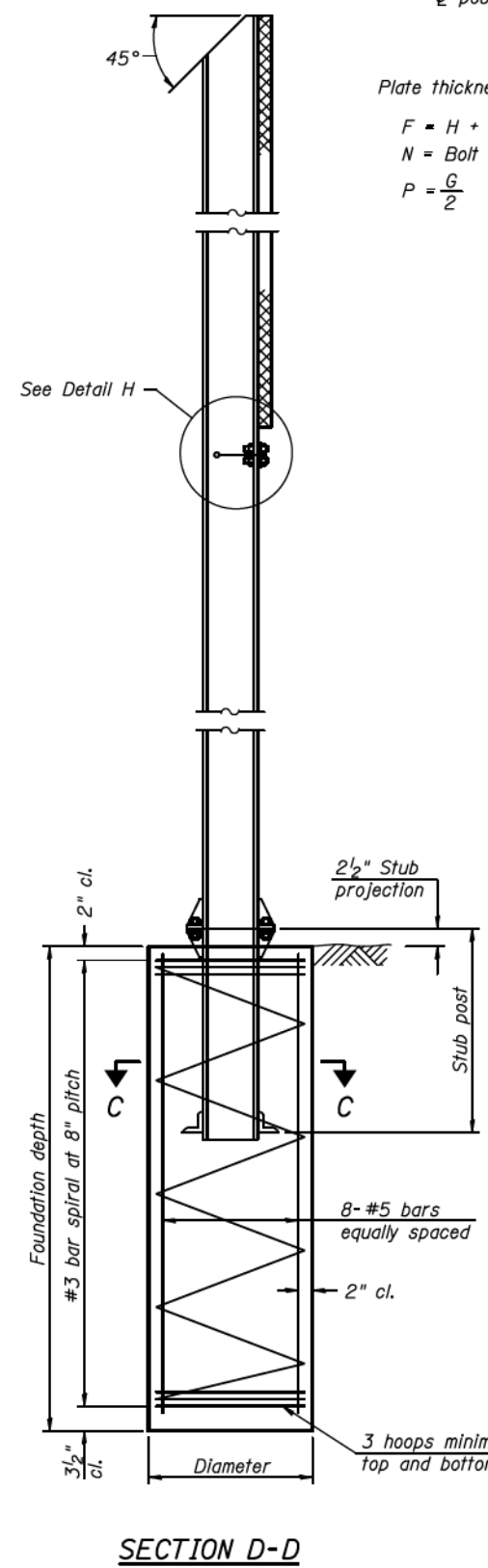


SECTION A-A

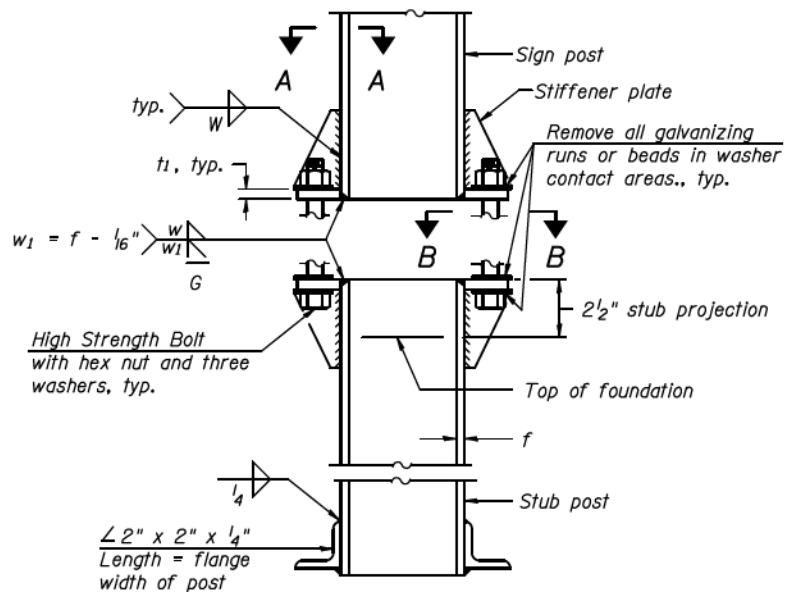
SECTION B-B



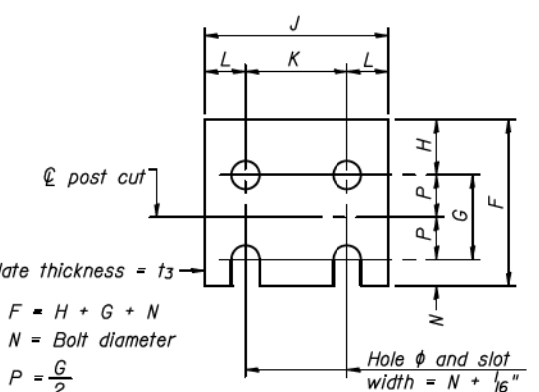
SECTION C-C



SECTION D-D



ELEVATION SIGN POST & STUB POST

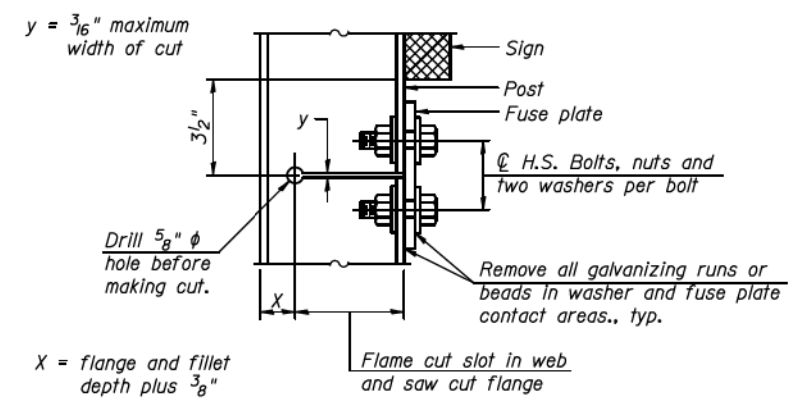


FUSE PLATE DETAIL

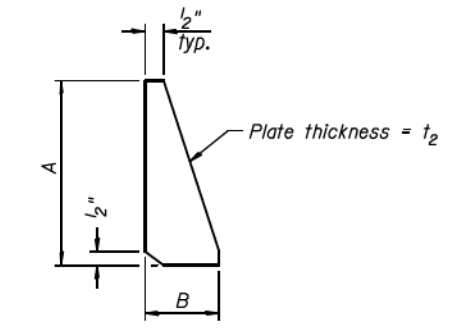
(Install with notches down.)

Plate thickness = t_3
 $F = H + G + N$
 $N = \text{Bolt diameter}$
 $P = \frac{G}{2}$

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1

6-1-12

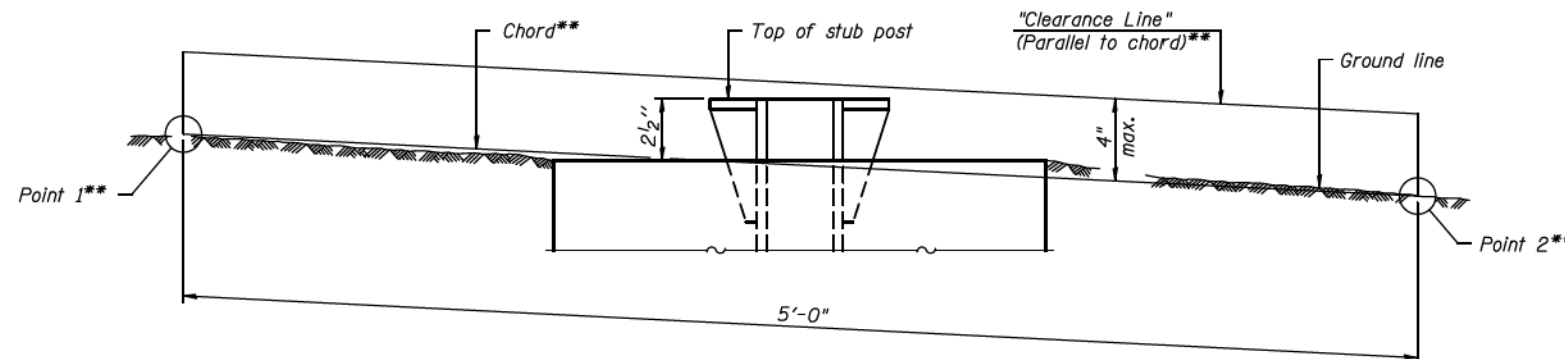
(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS	SHEET NO. 2 OF 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN -	CHECKED -	3725				19-00106-00-RS	COOK	171	78	
PLOT DATE =	CHECKED -	REVISIONS	CONTRACT NO. 61J88								
ILLINOIS											

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA					
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter	* Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter Length	lbs. (2)																
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	11/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	11/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	---	---	---	---	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	---	---	---	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	---	---	---	---	---	---	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	---	---	---	---	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2


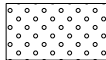

6-1-12

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES	F.A.U. RTE. 3725	SECTION 19-00106-00-RS	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 79
PLOT SCALE =	DRAWN -	REVISOR -	SHEET NO. 3 OF 3 SHEETS			ILLINOIS		CONTRACT NO. 61188		
PLOT DATE =	CHECKED -	REVISOR -								

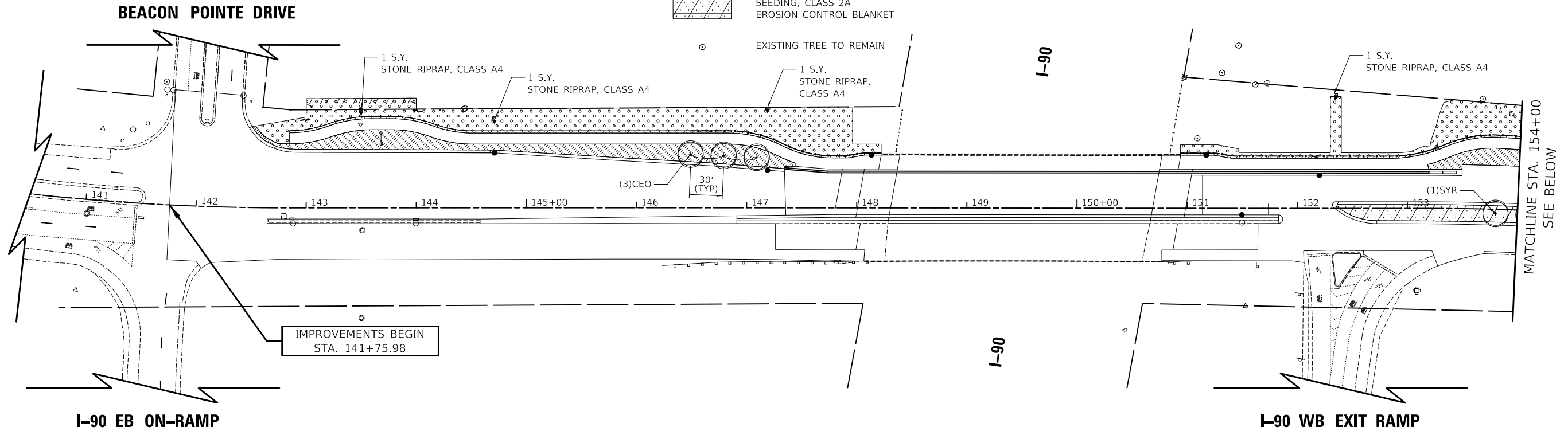


LEGEND

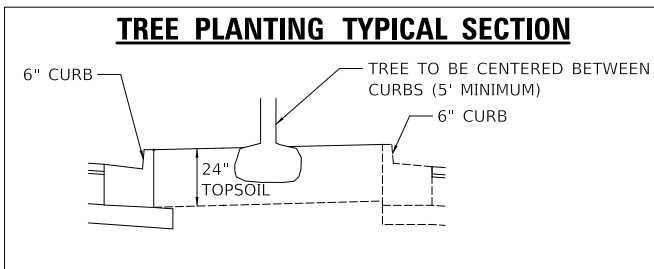
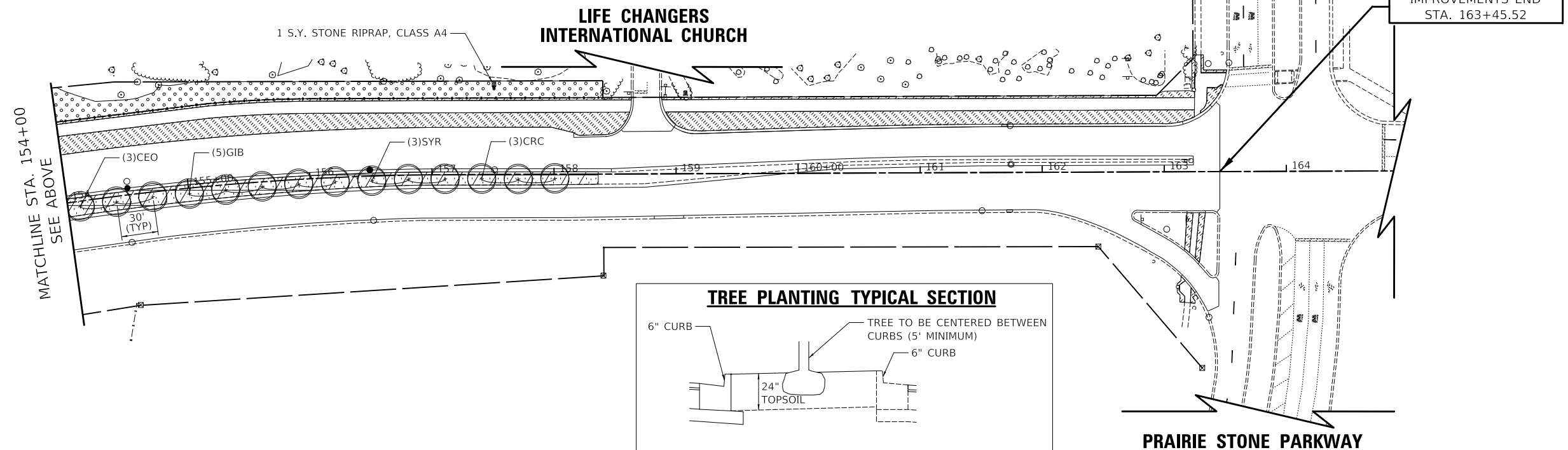
-  TOPSOIL (4")
SEEDING, CLASS 2A
EROSION CONTROL BLANKET
-  TOPSOIL (4")
SEEDING, CLASS 3
EROSION CONTROL BLANKET
-  TOPSOIL (24")
SEEDING, CLASS 2A
EROSION CONTROL BLANKET

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION CHK'D	
	NO.	



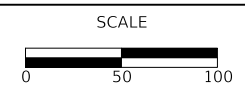
PAY ITEM	CODED PAY ITEMS	QTY	CODE	LATIN NAME	COMMON NAME	SIZE
A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	6	CEO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3" CAL.
A2004515	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 3" CALIPER, BALLED AND BURLAPPED	5	GIB	GINKGO BILOBA AUTUMN GOLD	AUTUMN GOLD GINKGO	3" CAL.
B2001624	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	3	CRC	CRATAEGUS CRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN	3" CAL.
B2006216	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	4	SYR	SYRINGA RETICULATA	JAPANESE TREE LILAC	2" CAL.



CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DESIGNED -	KDC	REVISED -	
DRAWN -	JFG	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES



LANDSCAPING PLAN

SHEET 1 OF 1 SHEETS STA. 141+75.98 TO STA. 163+45.52

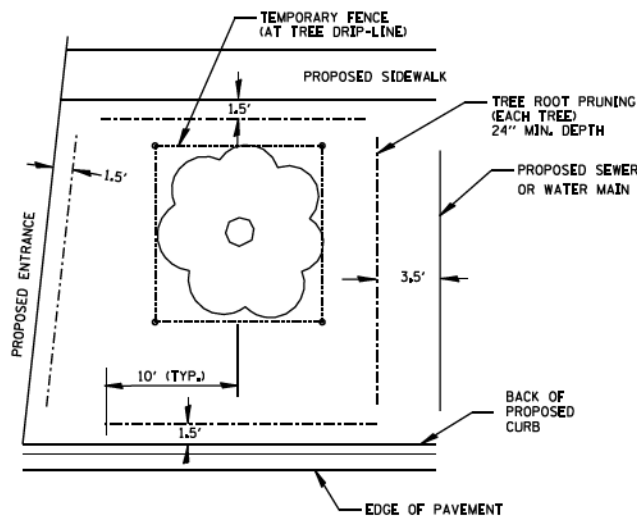
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	80
CONTRACT NO. 61J88			ILLINOIS	

GENERAL CONSTRUCTION NOTES:

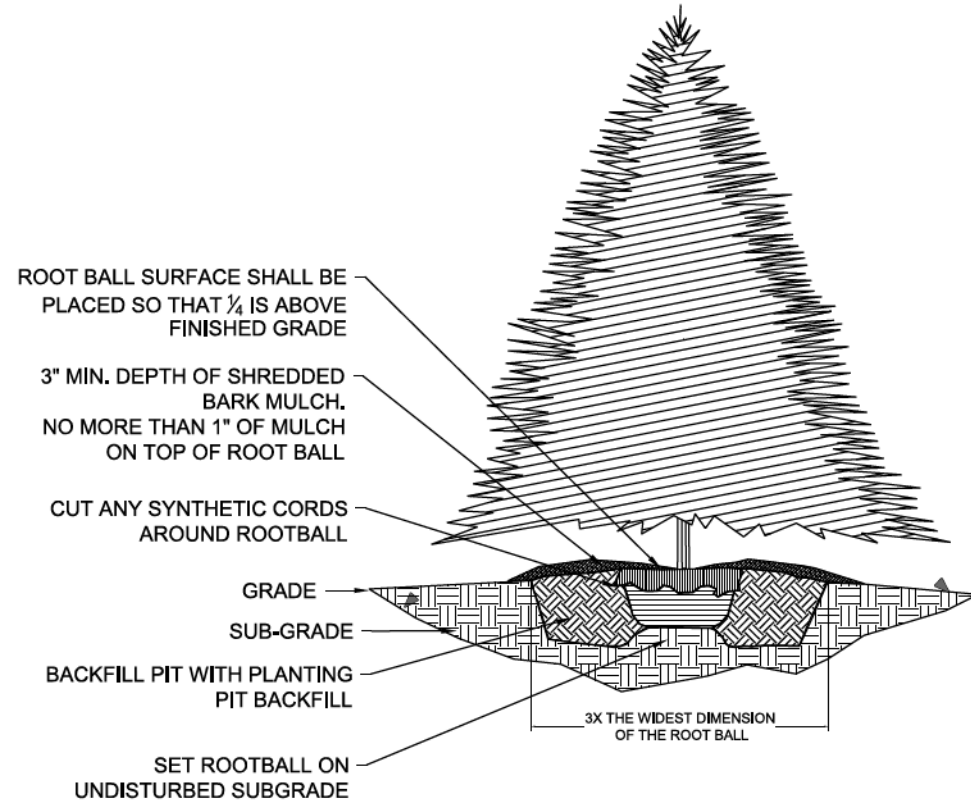
1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
4. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
5. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
6. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
7. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
8. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
9. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
10. ALL DISTURBED AREAS SHALL HAVE A MIN. OF 6" OF TOPSOIL PLACED AND THEN SEED, FERT. AND BLANKET INSTALLED.
11. ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 3" DEPTH.
12. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
13. ALL EXISTING TREES OF HIGH QUALITY LOCATED OUTSIDE OF THE CONSTRUCTION ZONE SHALL BE SAVED.
14. CONTRACTOR TO DEEP SPADE EDGE AND MULCH ALL EXISTING LANDSCAPE BEDS WITHIN THE PROJECT LIMITS.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

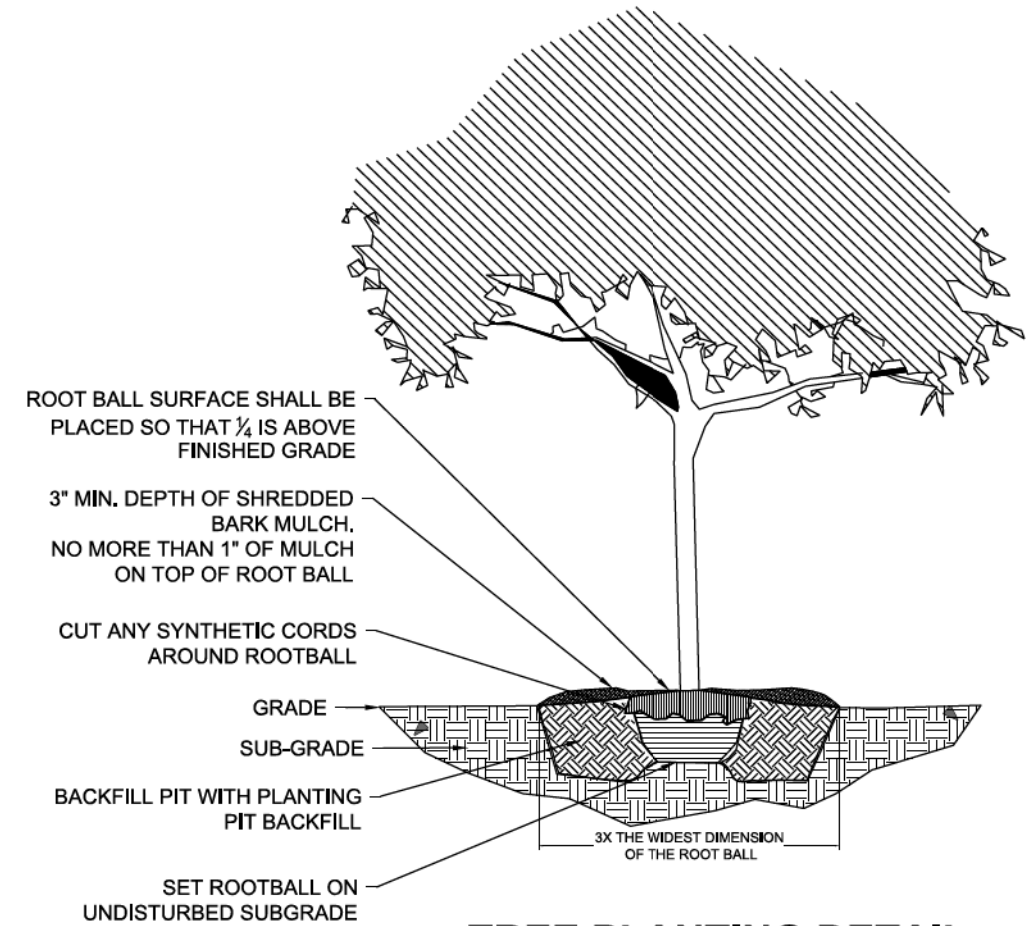
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



TREE & ROOT PROTECTION
N.T.S.



EVERGREEN TREE PLANTING DETAIL
NO SCALE



TREE PLANTING DETAIL
NO SCALE

MODEL: SH06LMA005
FILE NAME: ...30214-S Detail.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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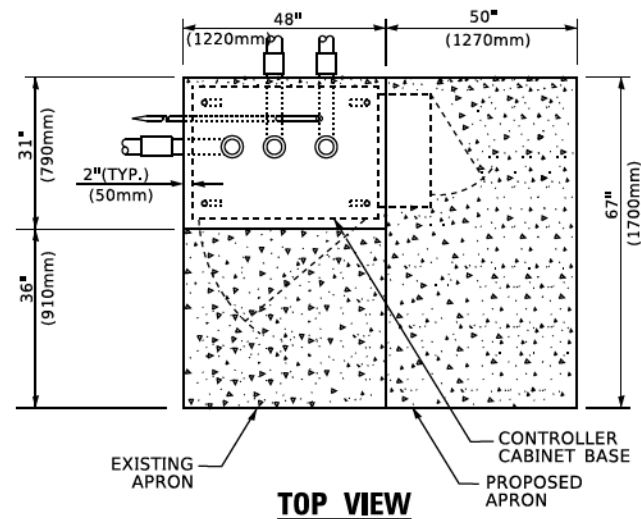
DESIGNED -	KDC	REVISED -	
DRAWN -	JFG	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	7/28/2023	REVISED -	

VILLAGE OF HOFFMAN ESTATES

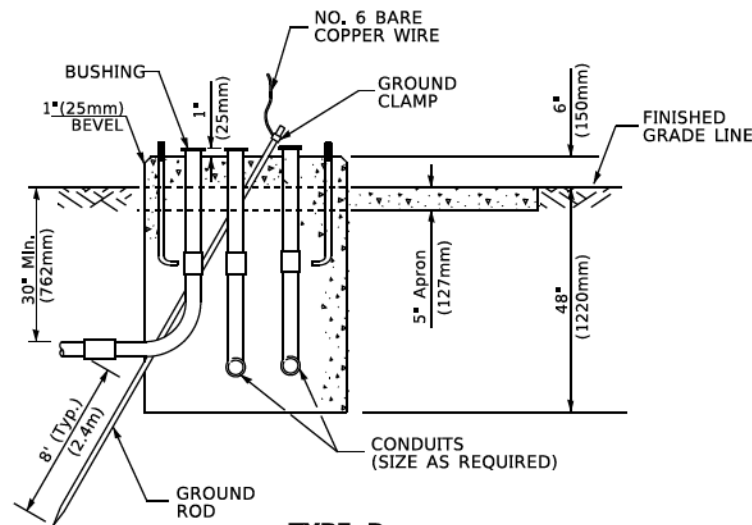
PLANTING DETAILS

SHEET 1 OF 1 SHEETS

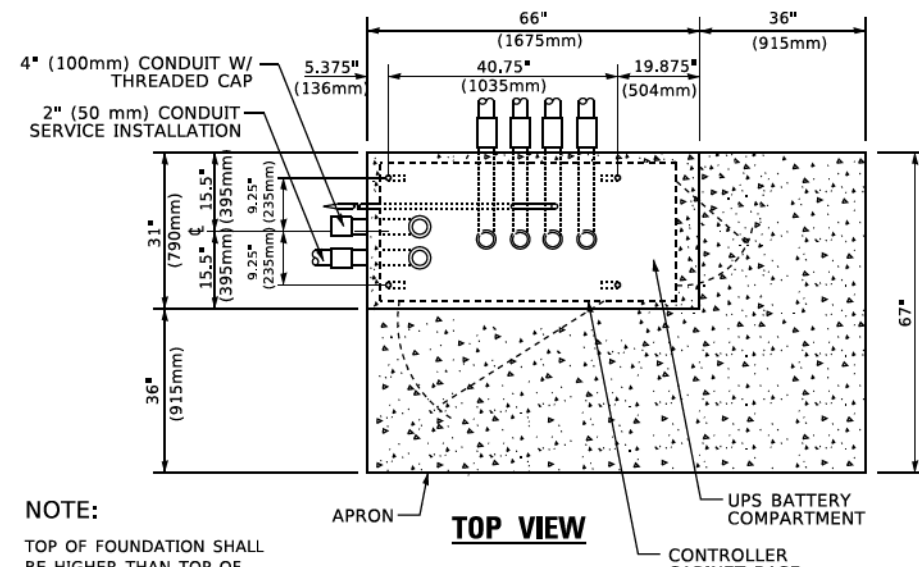
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	81
			CONTRACT NO. 61J88	
ILLINOIS				



TOP VIEW

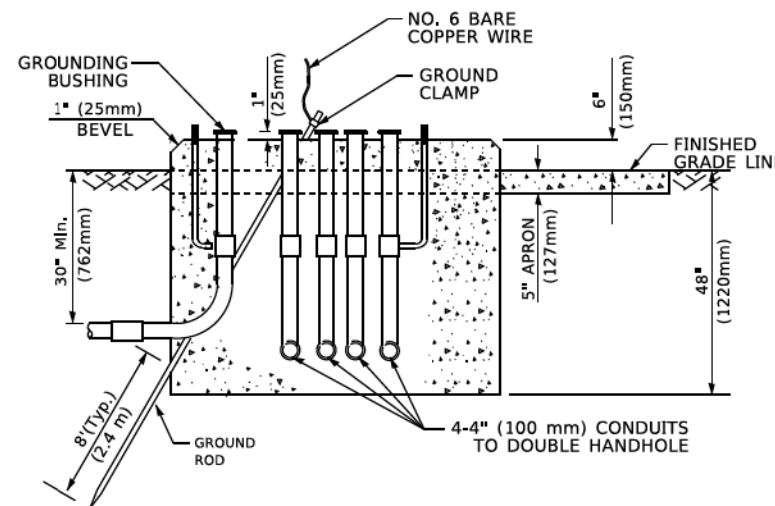


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

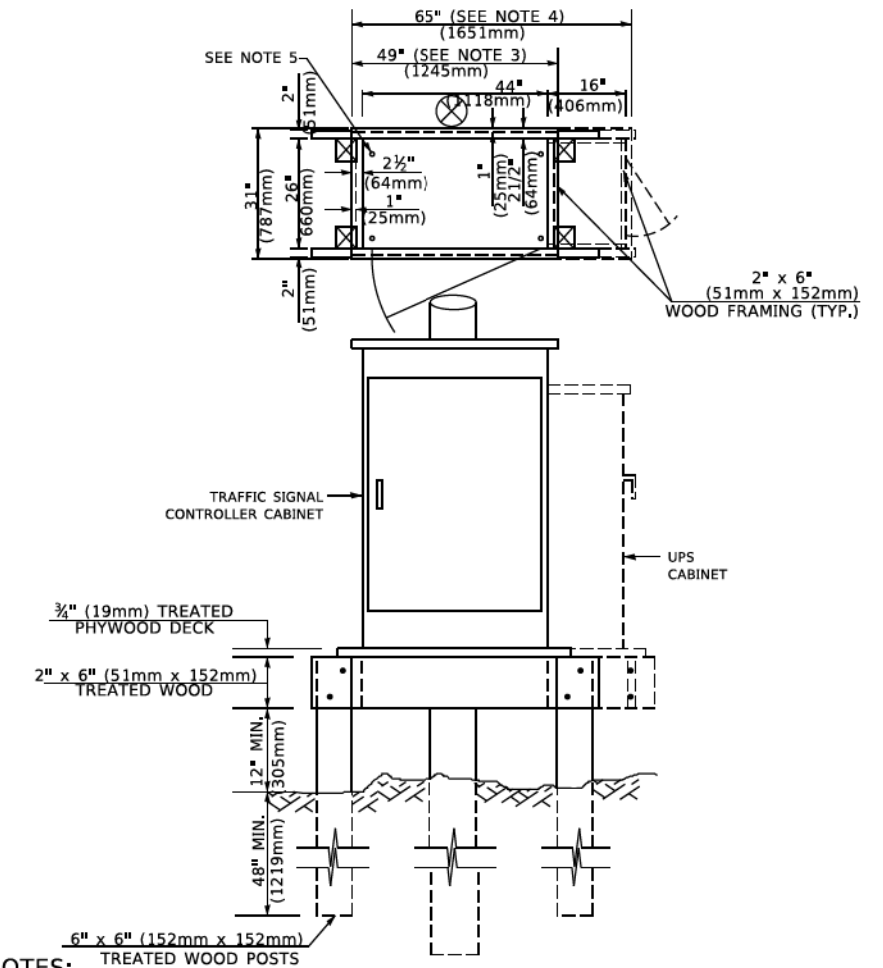


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

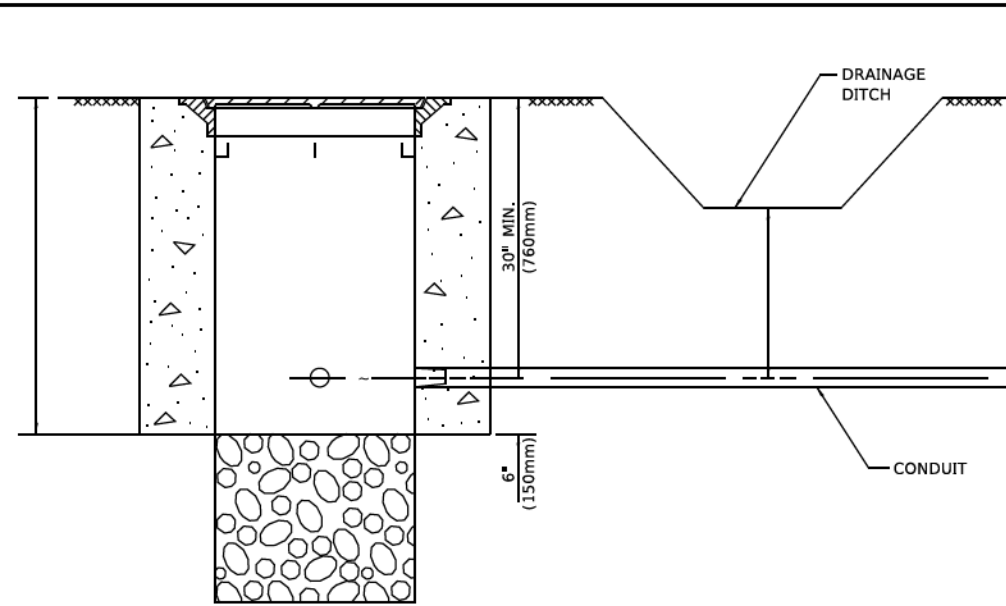
TS SHT NO. 05

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000 ' / In.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET 5 OF 7 SHEETS STA. TO STA.

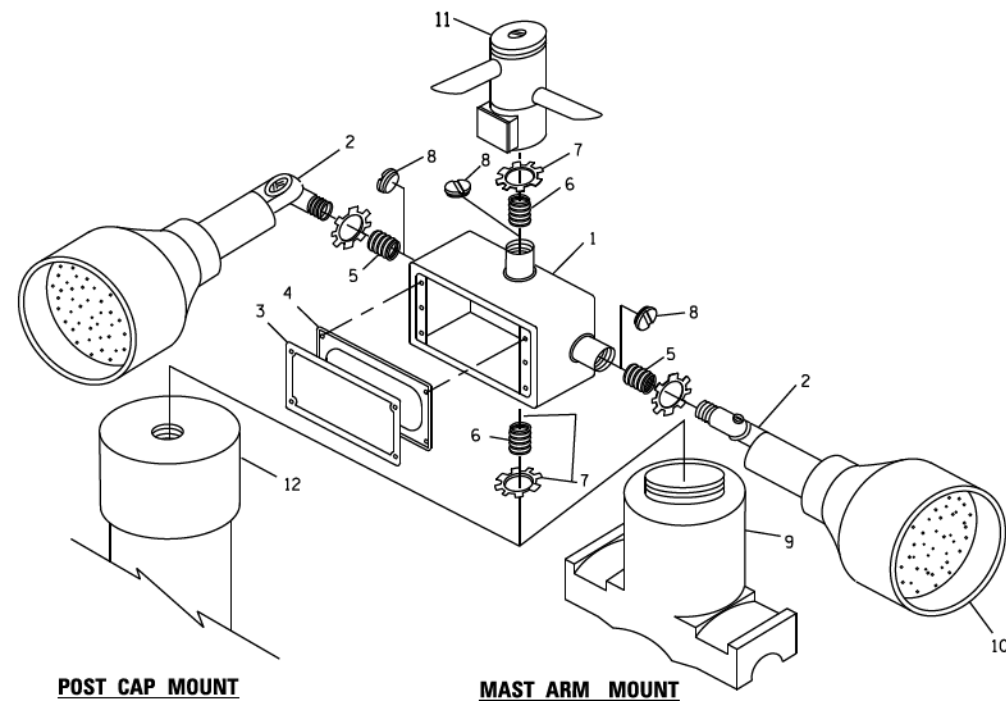
F.A.U. RTE. 3725	SECTION 19-00106-00-RS	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 86
TS-05		CONTRACT NO. 61J88	ILLINOIS FED. AID PROJECT	



NOTES:

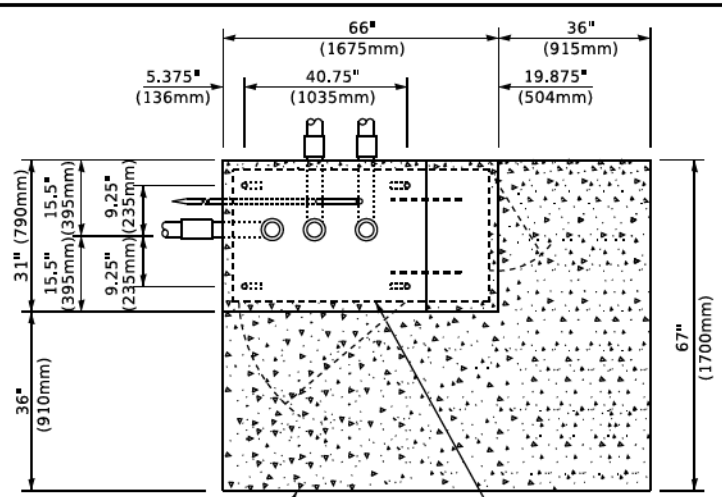
1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

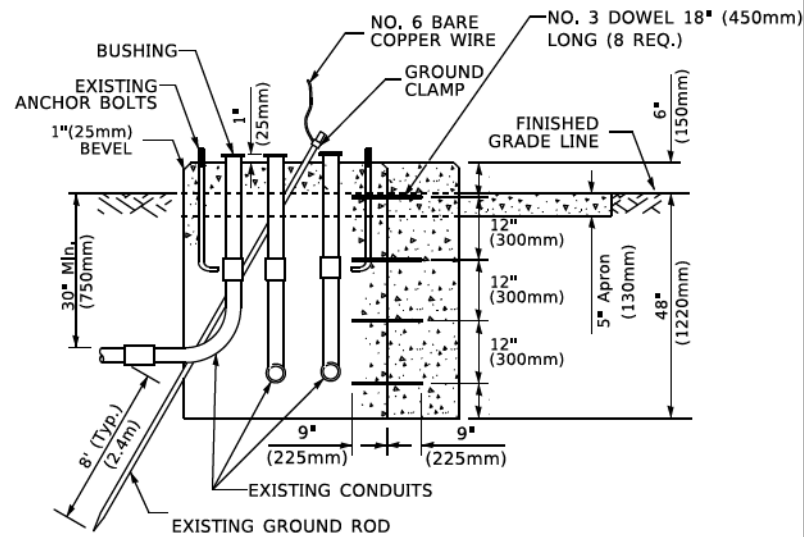


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

TS SHT NO. 06



TOP VIEW
(NOT TO SCALE)

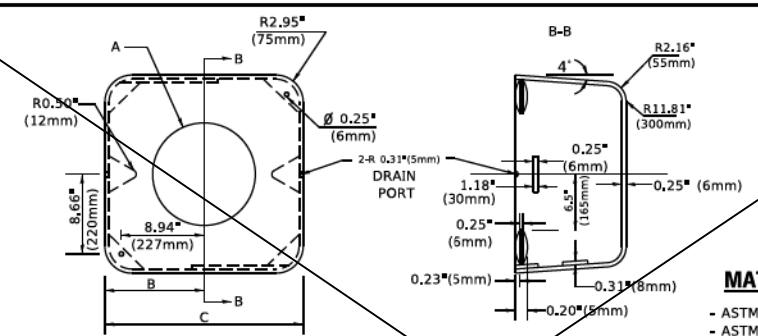


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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.



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)	

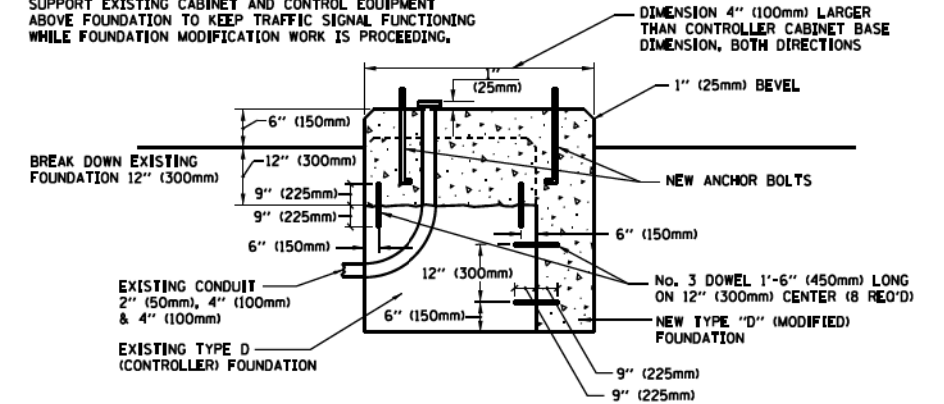
SHROUD

NOTES:

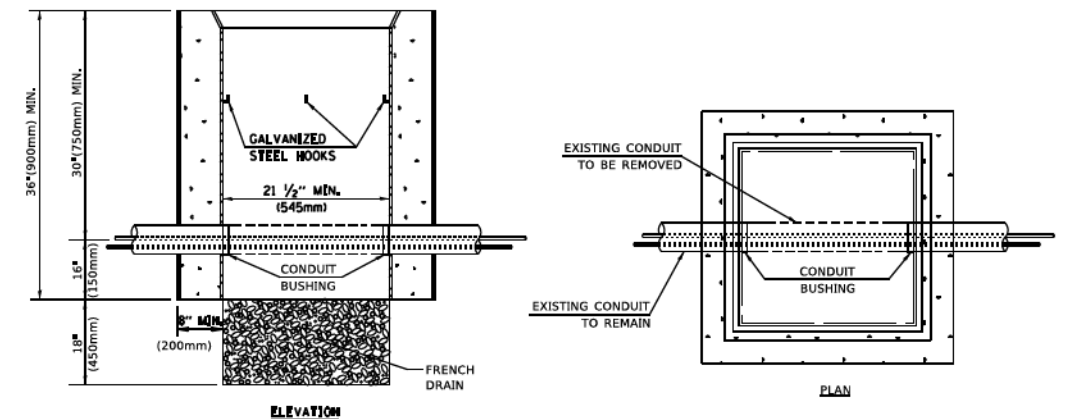
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



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

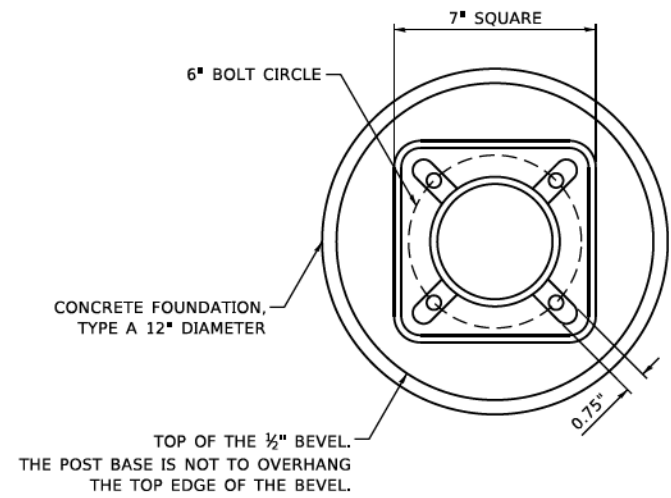
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	DRAWN	REVISED
	CHECKED	REVISED
	DATE	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

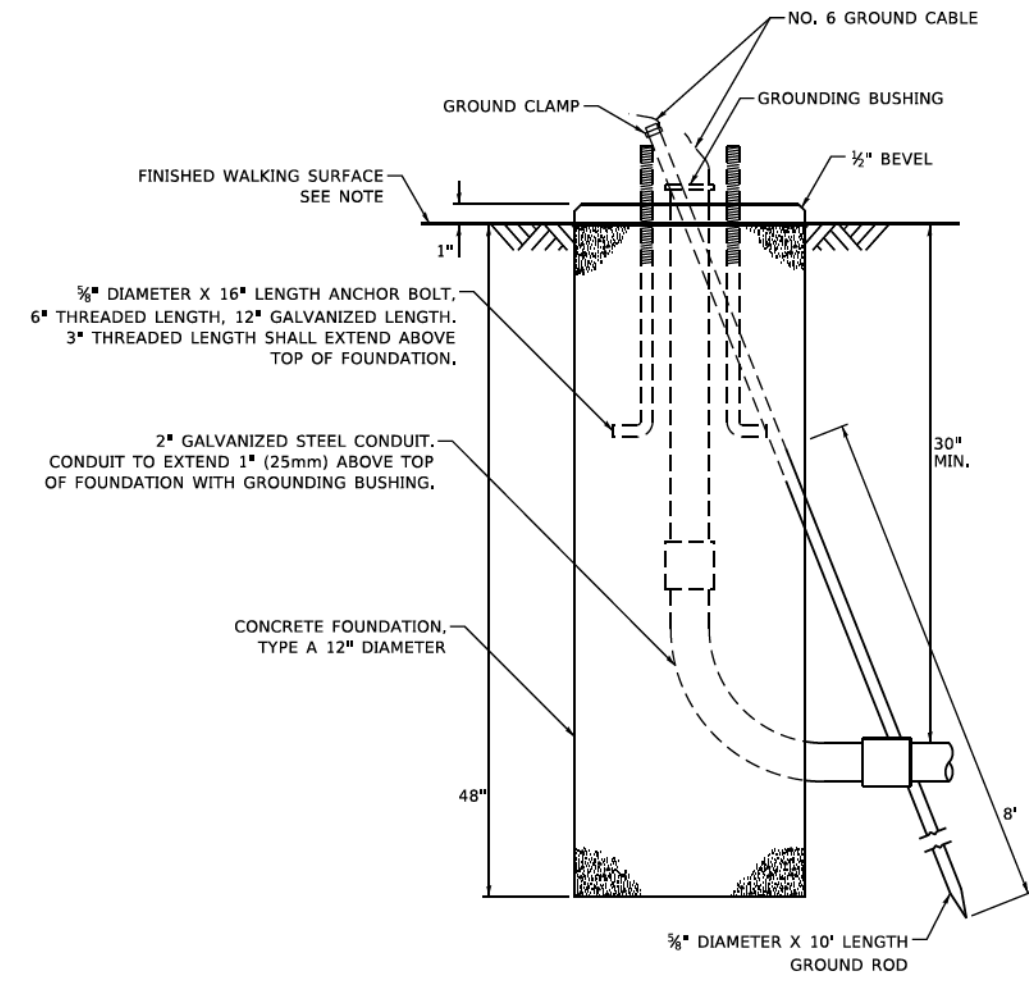
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	87
TS-05		CONTRACT NO.	61J88	
ILLINOIS FED. AID PROJECT				

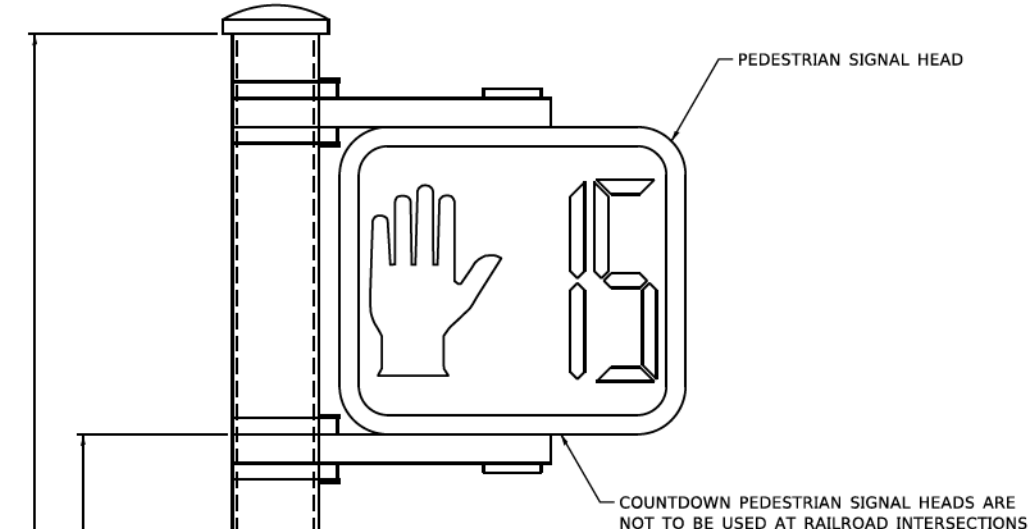


BOLT PATTERN

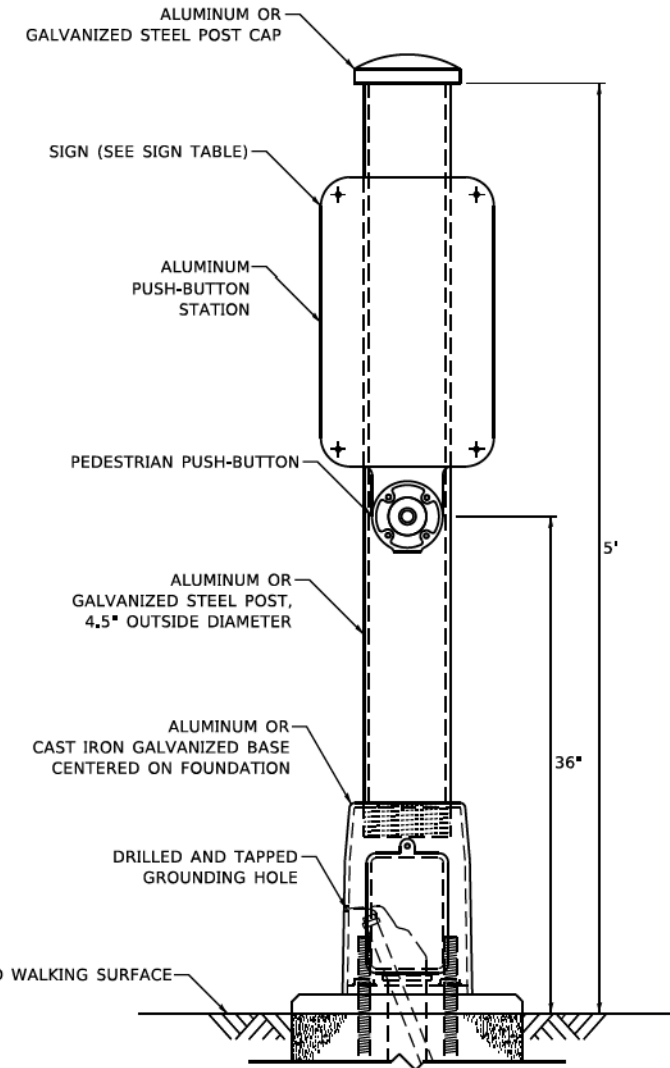
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



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.

MODEL: 06.dwg
 FILE: \\MANS...
TS SHT NO. 07
 11/17/2020

USER NAME - plascncal	DESIGNED - IP	REVISED - 10/15/2020
PLOT SCALE = 100,0000' / 1in.	DRAWN - IP	REVISED -
PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	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. 3725	SECTION 19-00106-00-RS	COUNTY COOK	TOTAL SHEETS 171	SHEET NO. 88
TS-05		CONTRACT NO. 61J88		
ILLINOIS FED. AID PROJECT				

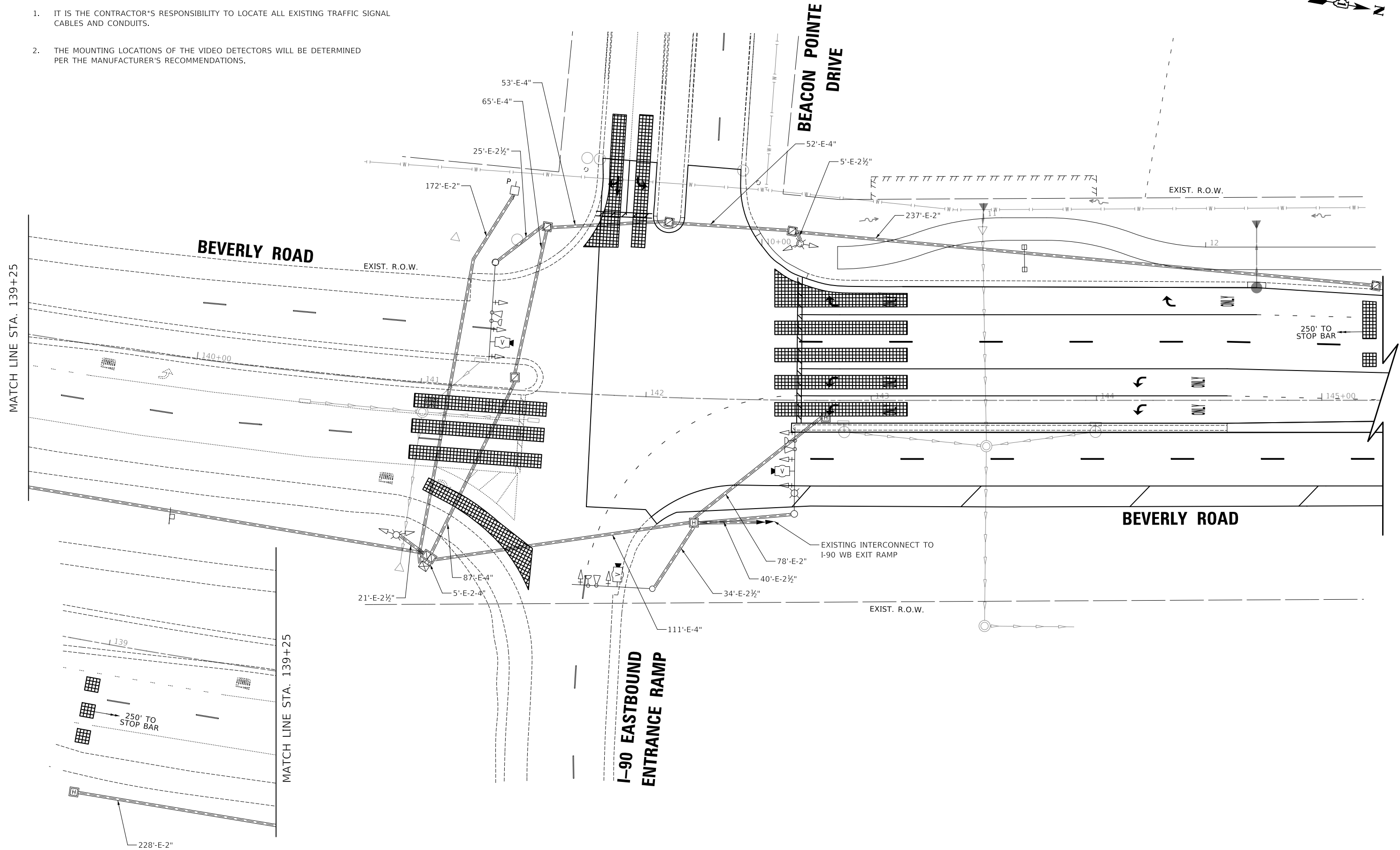
NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
2. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



MATCH LINE STA. 139+25

MATCH LINE STA. 139+25

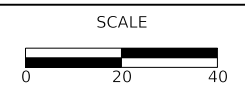
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FILE NAME: ...3021-15080_proposed_Signal.dgn



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DRAWN - AS	REVISED -
CHECKED - JJE	REVISED -
DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES



TRAFFIC SIGNAL MODIFICATION PLAN
BEVERLY ROAD AND I-90 EB ENTRANCE RAMP / BEACON POINTE DRIVE

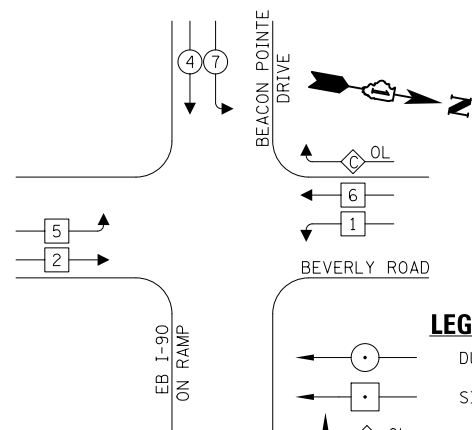
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	89
			CONTRACT NO. 61J88	
ILLINOIS				

SHEET 1 OF 1 SHEETS

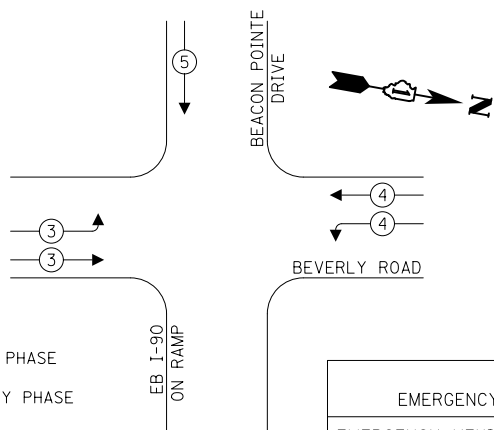
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	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	6	7

SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	PAY ITEM	UNIT	QNTY.
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLTION	EACH	1
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	3
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	10	110.0
	4 - SECTION	2	28.0
	5 - SECTION	2	26.0
PROGRAMMABLE SIGNALS			
	3 - SECTION	-	22
	4 - SECTION	-	32
	5 - SECTION	-	28
PED. SIGNAL			
		-	15
CONTROLLER	1	150	150.0
MASTER CONTROLLER	-	100	-
UPS	-	25	-
DETECTION	RADAR	-	20
	VIDEO	3	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			374.0
UPS CHARGING	1	225	225.0
BATTERY HEATER MAT	-	180	-
CABINET HEATER	1	200	200.0
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			799.0

ENERGY COST TO: VILLAGE OF HOFFMAN ESTATES
 ENERGY COST SHARE: VILLAGE OF HOFFMAN ESTATES: 100%

1900 HASSELL ROAD
 HOFFMAN ESTATES, IL 60195

ENERGY SUPPLY: CONTACT: COMED
 PHONE: NEW BUSINESS
 COMPANY: COMED
 ACCOUNT NUMBER: -----

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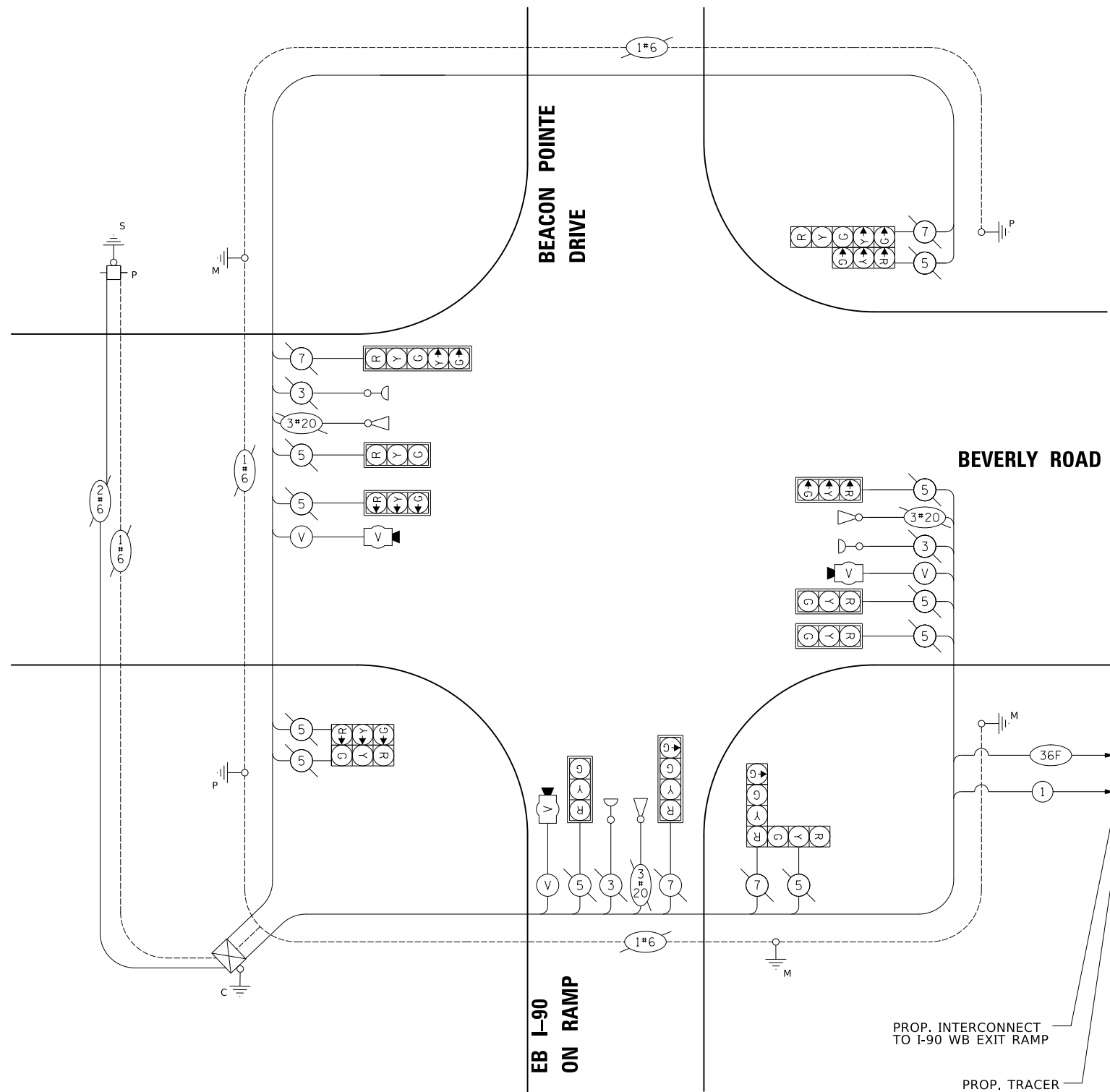
DESIGNED - AS	REVISED -
DRAWN - AS	REVISED -
CHECKED - JJE	REVISED -
DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PROPOSED CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE AT BEVERLY ROAD AND I-90 EB ENTRANCE RAMP / BEACON POINTE DRIVE

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	90
				CONTRACT NO. 61J88
ILLINOIS				



CABLE PLAN
(NOT TO SCALE)

MODEL: SH06LNAME05
 FILE NAME: ...3021-F508B_Proposed Cable Plan Beacon Pointe.dgn



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.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 6 EACH TRAFFIC SIGNAL POST
- 11 EACH 3-SECTION SIGNAL HEAD
- 1 EACH 4-SECTION SIGNAL HEAD
- 4 EACH SIGNAL BACKPLATES
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED SIGNAL CABINET:

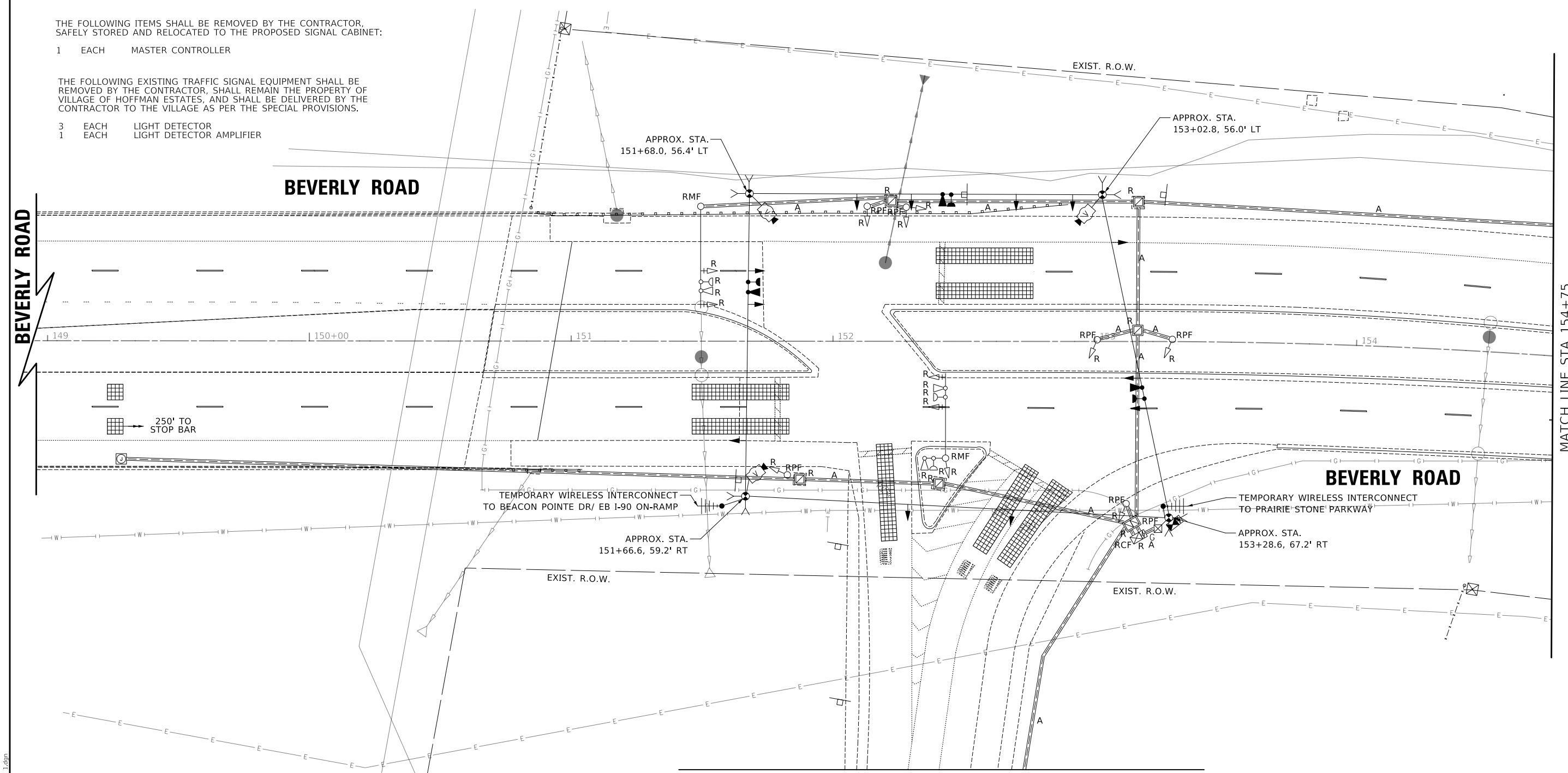
- 1 EACH MASTER CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF VILLAGE OF HOFFMAN ESTATES, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE AS PER THE SPECIAL PROVISIONS.

- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

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

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



MATCH LINE
SEE SHEET 2 OF 2

I-90 WB EXIT RAMP

MATCH LINE STA 154+75
SEE SHEET NO 92

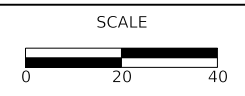
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FILE NAME: ...302171509_Temporary Signal Sheet 1.dgn



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DATE	-	7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN (SHEET 1 OF 2)
BEVERLY ROAD AND I-90 WB EXIT RAMP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	91
				CONTRACT NO. 61J88
ILLINOIS				

SHEET 1 OF 2 SHEETS

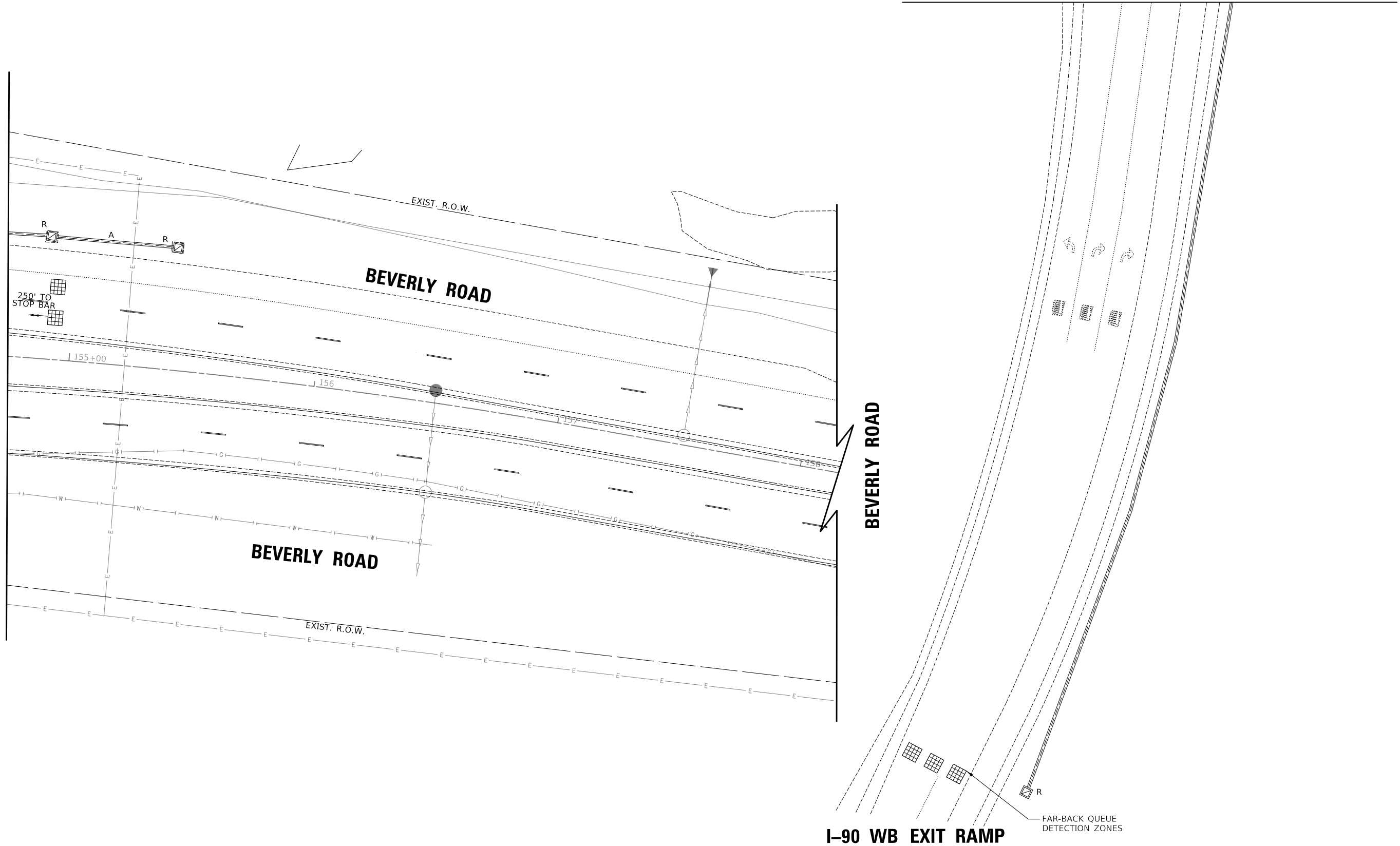


MATCH LINE
SEE SHEET 1 OF 2

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

MATCH LINE STA 154+75
SEE SHEET NO 91



I-90 WB EXIT RAMP

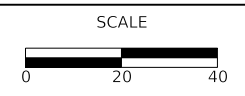
FAR-BACK QUEUE
DETECTION ZONES



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VILLAGE OF HOFFMAN ESTATES



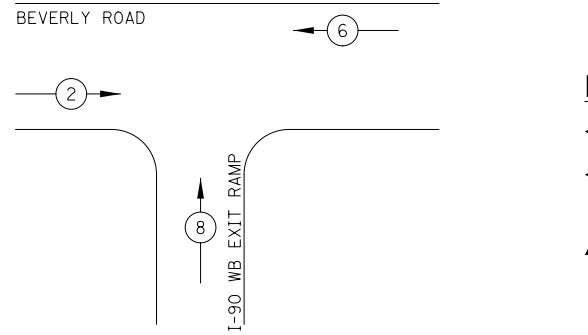
TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN (SHEET 2 OF 2)
BEVERLY ROAD AND I-90 WB EXIT RAMP

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	92
ILLINOIS			CONTRACT NO. 61J88	

MODEL: SMODEL\MAMES
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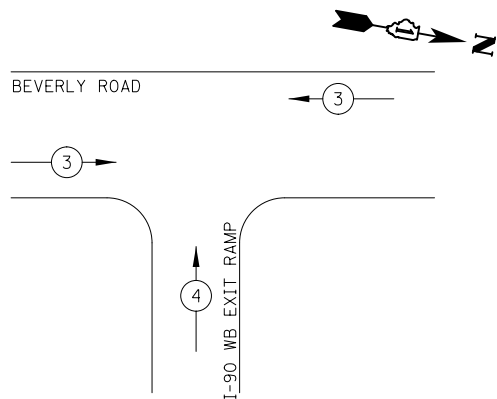
PROPOSED TEMPORARY CONTROLLER SEQUENCE



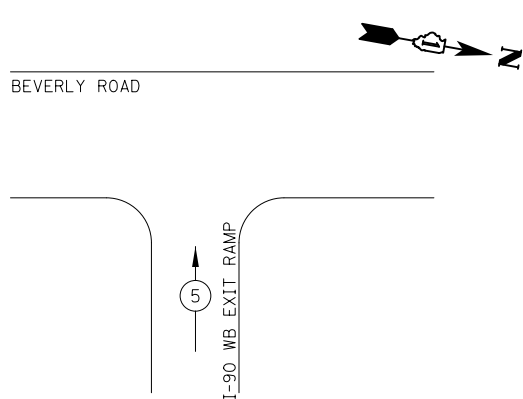
LEGEND:

- ← ⊛ ← PROTECTED PHASE
- ← ⊛ - - PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL OVERLAP

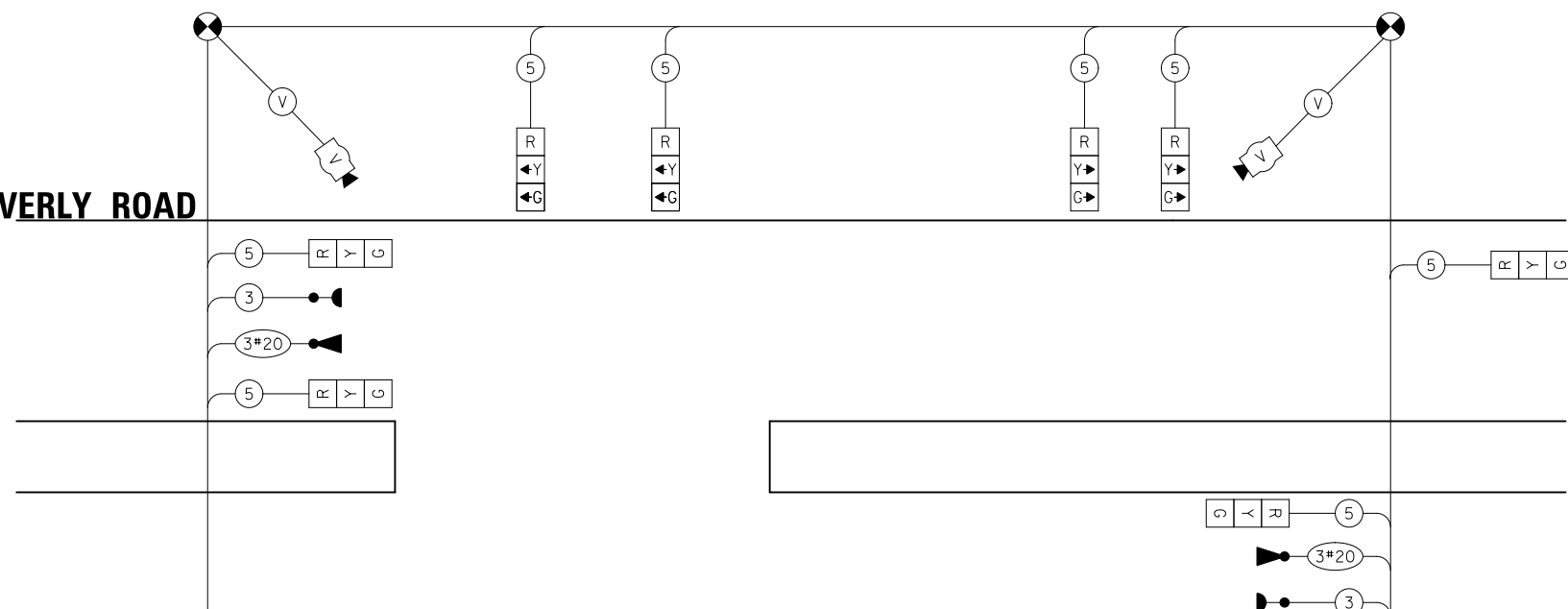
PROPOSED TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED TEMPORARY RAMP QUEUE CLEARANCE PREEMPTION SEQUENCE



BEVERLY ROAD



BEVERLY ROAD

I-90 WB EXIT RAMP

TEMPORARY CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT	WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3 - SECTION	12	11	132.0
	4 - SECTION	-	14	-
	5 - SECTION	-	13	-
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL				
CONTROLLER	1	150	150.0	
MASTER CONTROLLER	1	100	100.0	
UPS	1	25	25.0	
DETECTION	RADAR	-	20	-
	VIDEO	3	20	60.0
BLANK-OUT SIGN				
NETWORK SWITCH II OR III	-	-	35	-
CELLULAR MODEM	-	-	15	-
TOTAL UPS SIZING =			467.0	
UPS CHARGING	1	225	225.0	
BATTERY HEATER MAT	1	180	180.0	
CABINET HEATER	1	200	200.0	
FLASHER	-	-	15	-
LED STREET NAME SIGN	-	-	120	-
LUMINAIRE	-	-	240	-
TOTAL SERVICE WIRE SIZING =			1,072.0	

NOTE:

THE RAMP QUEUE CLEARANCE SEQUENCE SHALL BE CALLED WHEN ANY RAMP QUEUE DETECTOR HAS BEEN CONTINUOUSLY OCCUPIED FOR 12 SECONDS. THE SEQUENCE SHALL DISPLAY NORMAL CLEARANCE INTERVALS FOR PHASES 2 AND 6, FOLLOWED BY 40 SECONDS OF GREEN ON PHASE 8 AND NORMAL CLEARANCE INTERVALS TO RETURN TO GREEN ON PHASE 2 AND 6.

TEMPORARY WIRELESS INTERCONNECT TO BEACON POINTE DR/ EB I-90 ON-RAMP

TEMPORARY WIRELESS INTERCONNECT TO PRAIRIE STONE PARKWAY

ENERGY COST TO: VILLAGE OF HOFFMAN ESTATES
ENERGY COST SHARE: VILLAGE OF HOFFMAN ESTATES: 100%

1900 HASSELL ROAD
HOFFMAN ESTATES, IL 60195

ENERGY SUPPLY: CONTACT: COMED
PHONE: NEW BUSINESS
COMPANY: COMED
ACCOUNT NUMBER: -----

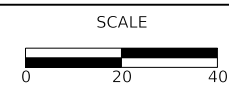
DATE	
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DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES	
CHECKED	
NO.	

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DATE	- 7/28/2023	REVISED	-

VILLAGE OF HOFFMAN ESTATES



TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE AT BEVERLY ROAD AND I-90 EXIT RAMP

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	93
CONTRACT NO. 61J88				
ILLINOIS				

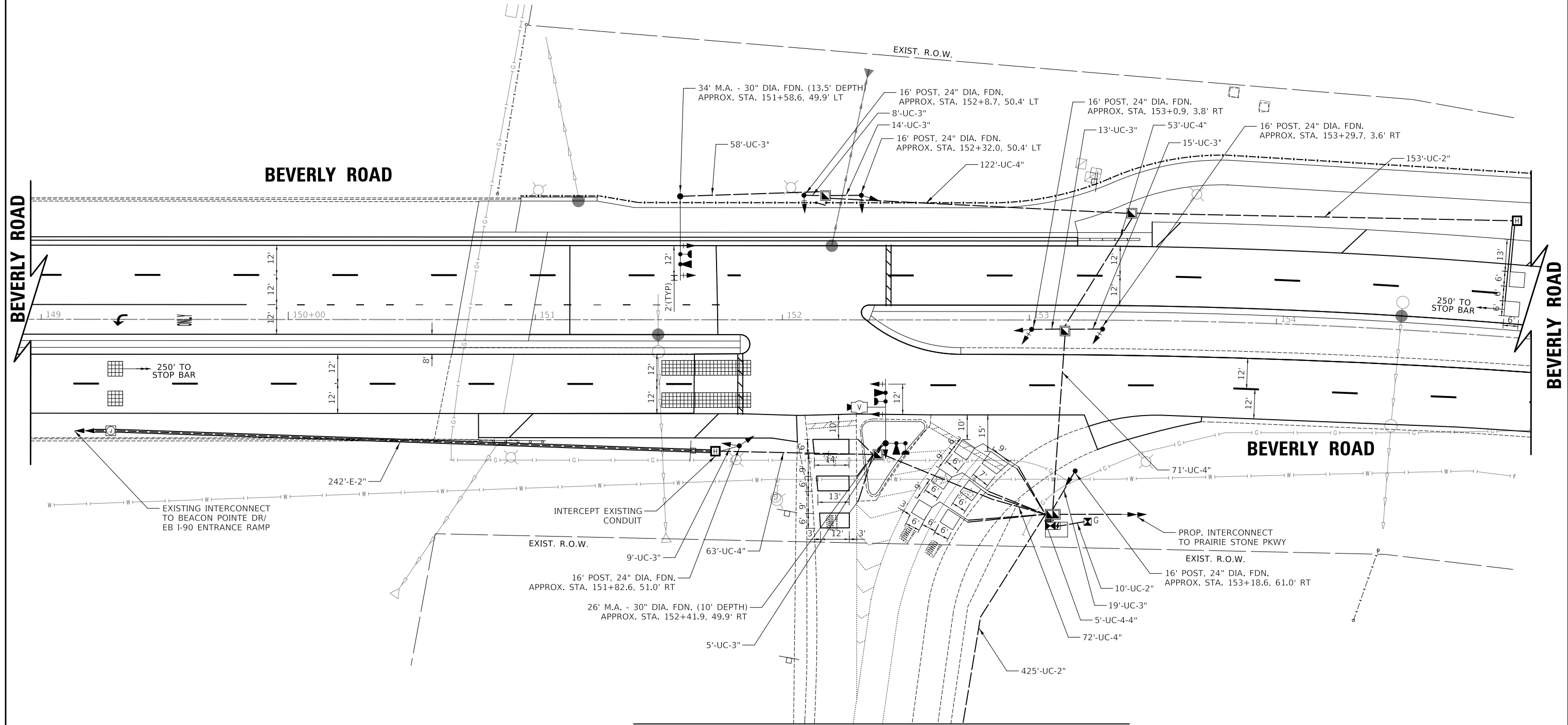
NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. EXISTING NORTHBOUND FAR-BACK LOOPS SHALL BE ABANDONED.
3. THE MOUNTING LOCATION OF THE VIDEO DETECTOR WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. THE FULL-ACTUATED CONTROLLER SHALL BE MANUFACTURED BY ECONOLITE.

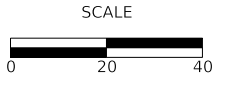


PLAN	SURVEYED	DATE
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	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	



MATCH LINE
SEE SHEET 2 OF 2
I-90 WB EXIT RAMP



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DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
BEVERLY ROAD AND I-90 WB EXIT RAMP

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	94
ILLINOIS			CONTRACT NO. 61J88	

MODEL: SMODELNAME: ...302171511_Proposed_Signal1.dgn



MATCH LINE
SEE SHEET 1 OF 2

PROPOSED LOOPS FOR
RAMP QUEUE DETECTION

I-90 WB EXIT RAMP

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		

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

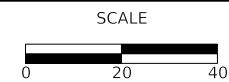
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VILLAGE OF HOFFMAN ESTATES



**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
BEVERLY ROAD AND I-90 WB EXIT RAMP**

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	95
ILLINOIS			CONTRACT NO. 61J88	

SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	PAY ITEM	UNIT	QNTY.
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	588
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	141
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	401
81400100	HANDHOLE	EACH	4
81400200	HEAVY-DUTY HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	689
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2896
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	124
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1238
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	25
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	736
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	6
88600100	DETECTOR LOOP, TYPE I	FOOT	567
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	9
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	689
X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
X8950100	RELOCATE EXISTING MASTER CONTROLLER	EACH	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	FIELD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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FILE NAME: ...302171313_Schedule of Quantities.dgn



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VILLAGE OF HOFFMAN ESTATES

**SCHEDULE OF QUANTITIES
BEVERLY ROAD AND I-90 EXIT RAMP**

SHEET 1 OF 1 SHEETS STA. TO STA.

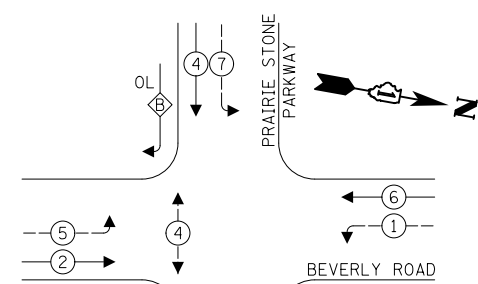
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3725	19-00106-00-RS	COOK	171	97
ILLINOIS			CONTRACT NO. 61J88	

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
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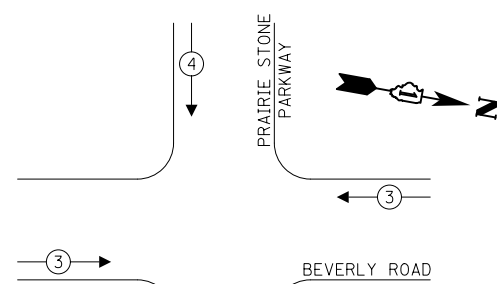
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	CHWD	
	NO.	

MODEL: SH06LMMAMES
FILE NAME: ...3021751318_proposed Cable Plan Prairie Stone.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3 - SECTION	7	11	77.0
	4 - SECTION	-	14	-
	5 - SECTION	10	13	130.0
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL	6	15	90.0	
CONTROLLER	1	150	150.0	
MASTER CONTROLLER	-	100	-	
UPS	-	25	-	
DETECTION	RADAR	-	20	-
	VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING =			447.0	
UPS CHARGING	1	225	225.0	
BATTERY HEATER MAT	-	180	-	
CABINET HEATER	1	200	200.0	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING =			872.0	

ENERGY COST TO: VILLAGE OF HOFFMAN ESTATES
ENERGY COST SHARE: VILLAGE OF HOFFMAN ESTATES: 100%

1900 HASSELL ROAD
HOFFMAN ESTATES, IL 60195

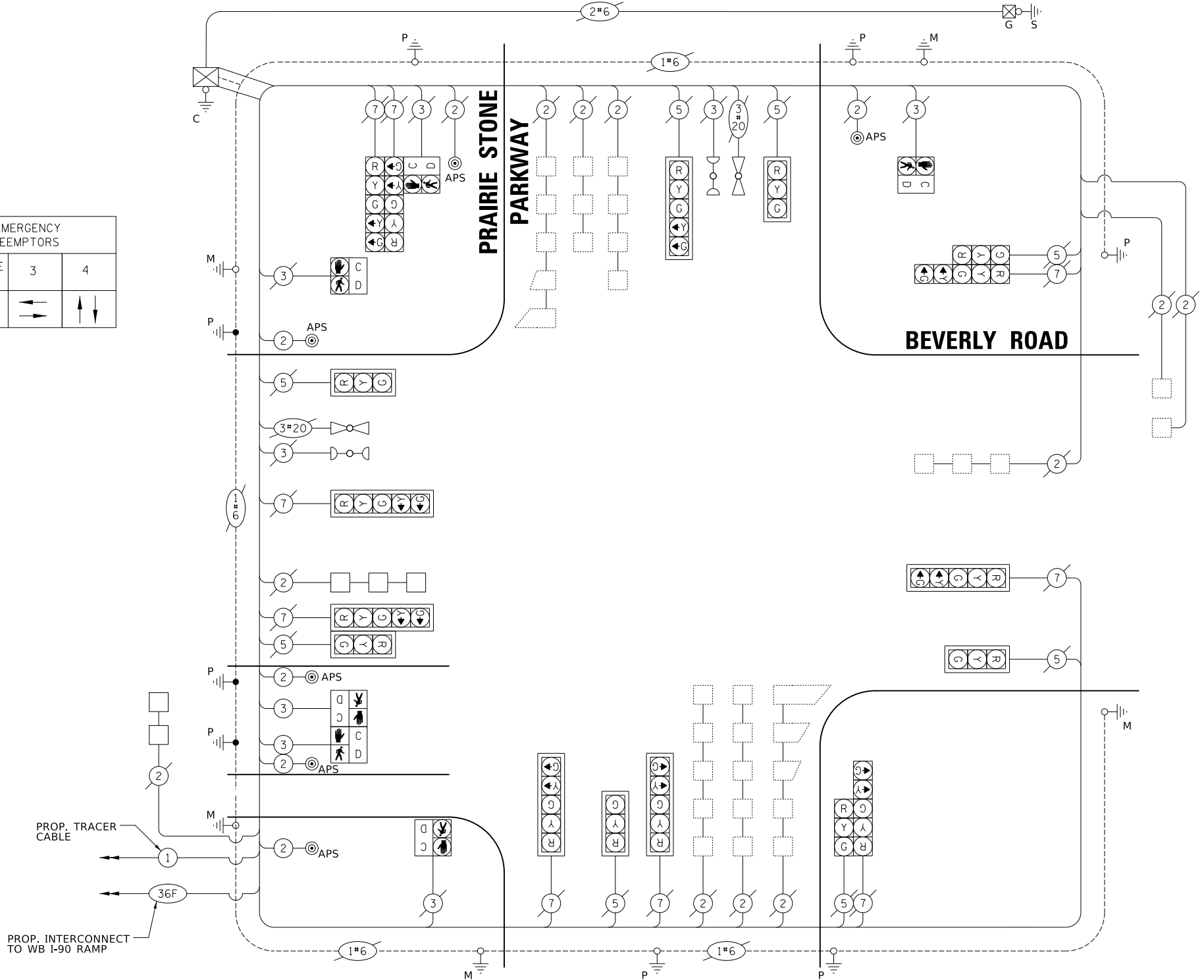
ENERGY SUPPLY: CONTACT: COMED
PHONE: NEW BUSINESS
COMPANY: COMED
ACCOUNT NUMBER: -----

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DATE - 7/28/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PROPOSED CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE AT BEVERLY ROAD AND PRAIRIE STONE PKWY

CABLE PLAN
(NOT TO SCALE)



SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	99
				CONTRACT NO. 61J88
ILLINOIS				

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NOTE BOOK NO.	CHECKED		
	FILE NAME		

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

SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	PAY ITEM	UNIT	QNTY.
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	53
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	62
81400100	HANDHOLE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	617
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	374
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	148
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88600100	DETECTOR LOOP, TYPE I	FOOT	204
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	257
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502376	REBUILD EXISTING HANDHOLE	EACH	1
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12

MODEL: SMODEL\MAMES FILE NAME: ...30217131C_S001 Prairie Stone.dgn



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VILLAGE OF HOFFMAN ESTATES

**SCHEDULE OF QUANTITIES
BEVERLY ROAD AND PRAIRIE STONE PKWY**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3725	19-00106-00-RS	COOK	171	100
CONTRACT NO. 61J88				
ILLINOIS				