

09-20-2024 LETTING ITEM 090

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

**FUNCTIONAL CLASSIFICATION**  
**MINOR ARTERIAL**

**TRAFFIC DATA**  
**25TH AVENUE**  
ADT (2016) = 16,200  
ADT (2040) = 18,300

**POSTED SPEED LIMIT**  
**25TH AVENUE = 35 MPH**

**DESIGN SPEED LIMIT**  
**25TH AVENUE = 40 MPH**

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

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY 25TH AVENUE (FAU 2714) SHARED USE PATH SECTION NO. 19-00082-00-BT PROJECT NO. XZ2Q(211) VILLAGE OF BROADVIEW COOK COUNTY

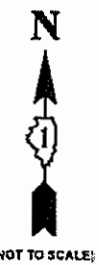
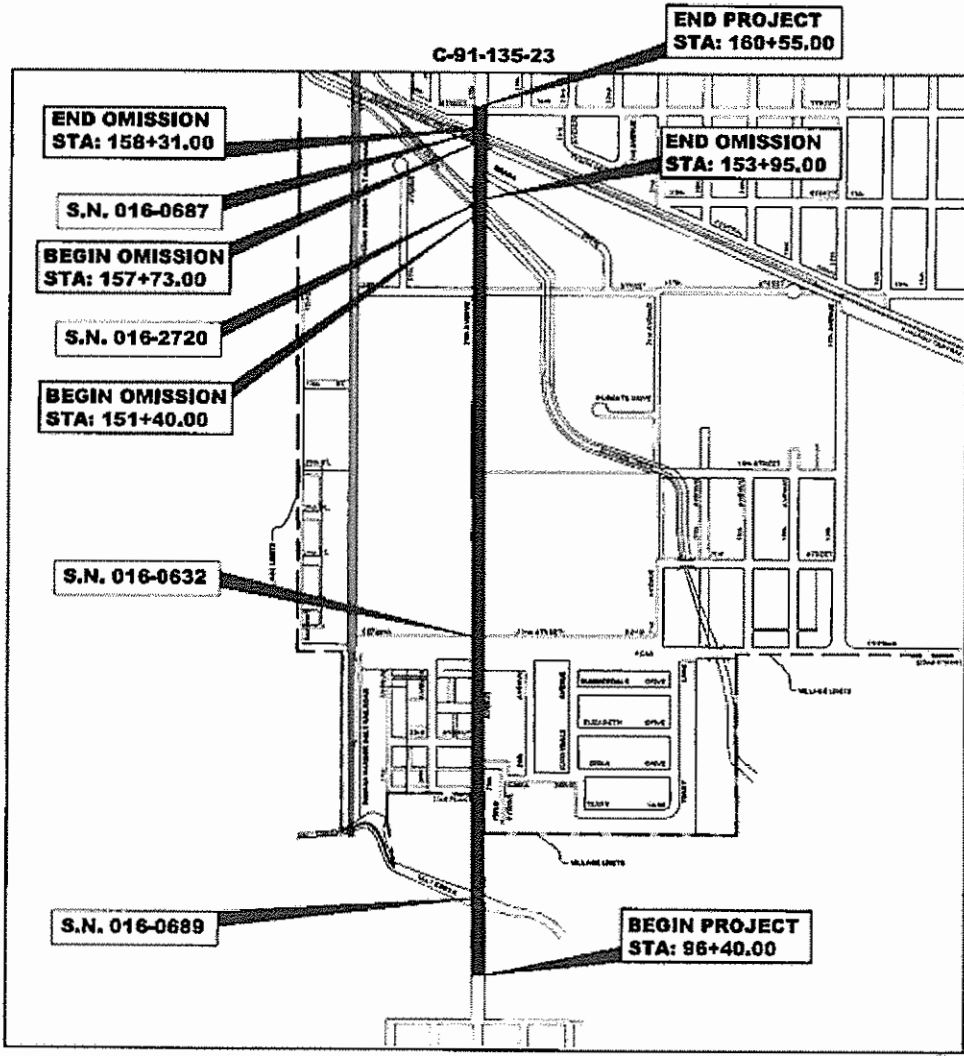
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 2714	19-00082-00-BT	COOK	102	1
ILLINOIS PROJECT		C-91-135-23		
CONTRACT NO.		61K72		



LOCATION OF SECTION INDICATED THUS:



Civil Engineers 9933 Roosevelt Road  
Municipal Consultants Westchester, IL 60154-2780  
Established 1911 Phone: 708-865-0300  
www.ehancock.com



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

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

CONTRACT NO. 61K72

SECTION 3, TOWNSHIP 40 N, RANGE 12, 3RD PM  
PROVISO TOWNSHIP  
LOCATION MAP  
NOT TO SCALE

PROJECT LOCATION  
GROSS LENGTH OF IMPROVEMENT = 6,415 FT. = 1.21 MI.  
NET LENGTH OF IMPROVEMENT = 6,102 FT. = 1.16 MI.

STATE OF ILLINOIS  
ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED July 10 2024  
[Signature]  
VILLAGE OF BROADVIEW, PRESIDENT

PASSED July 25 2024  
[Signature]  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW July 25 2024  
[Signature] IR  
REGIONAL ENGINEER



SIGNED: Mark W. Volk  
DATE: 6-17-24 LICENSE EXPIRES 11-30-25

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

E.H.E. NO. 120-23-26801

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET, LOCATION MAP
2	INDEX OF SHEETS, LEGEND, AND IDOT HIGHWAY STANDARDS
3-4	GENERAL NOTES
5-13	SUMMARY OF QUANTITIES
14-16	TYPICAL SECTIONS
17-30	PAVING PLAN AND PROFILE
31	ROADWAY DETAILS
32-35	EROSION CONTROL PLAN AND SWPPP
36-49	UTILITIES PLAN AND PROFILE
50	DRAINAGE DETAILS
51-57	ADA RAMP DETAILS
58	SIGNING PLAN LEGEND AND NOTES
59	RECTANGULAR RAPID FLASHING BEACON DETAIL
60-63	PAVEMENT MARKING AND SIGNING PLAN
64-67	LANDSCAPING PLAN
68-69	STREET LIGHTING PLANS
70-72	STORM SEWER OUTLET DISSIPATOR PLANS
73-79	RETAINING WALL PLAN AND DETAILS
80	BUTT JOINTS AND HMA TAPER DETAILS (BD-32)
81	LIGHT POLE FOUNDATION 30' TO 35' MH 11-1/2" BOLT CIRCLE (BE300)
82	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL) (BE702)
83	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
83A	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
84	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
85	ARTERIAL ROAD INFORMATION SIGN (TC-22)
86	DRIVEWAY ENTRANCE SIGNING (TC-26)
87-102	STATION CROSS SECTIONS

**DISTRICT ONE DETAILS**

EXISTING	PROPOSED	DESCRIPTION
		POWER POLE
		GAS VALVE
		STREET LIGHT
		WATER MAIN BUFFALO BOX
		WATER MAIN VALVE BOX
		SPRINKLER
		WATER MAIN VALVE VAULT
		STORM INLET
		CATCH BASIN
		FIRE HYDRANT
		MANHOLE
		FLARED END SECTION
		EXISTING FIRE HYDRANT TO BE RELOCATED
		EXISTING STRUCTURE TO BE REMOVED
		EXISTING STRUCTURE TO BE FILLED
		TREE TO BE REMOVED
		EXISTING POWER POLE TO BE RELOCATED
		BUSH
		NEW TREE
		EVERGREEN TREE
		SEGMENTAL CONCRETE BLOCK WALL
		EARTH EXCAVATION
		NON-SPECIAL WASTE DISPOSAL
		EXISTING CONCRETE SIDEWALK TO BE REMOVED
		EXISTING CONCRETE DRIVEWAY TO BE REMOVED
		HOT-MIX ASPHALT SURFACE REMOVAL
		PAVEMENT REMOVAL
		PROPOSED CONCRETE PAVEMENT/SIDEWALK
		PROPOSED HOT MIX ASPHALT PAVING
		DETECTABLE WARNINGS
		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" FOR SHARED USE PATH

**LEGEND OF SYMBOLS**

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-08)

EXISTING	PROPOSED	DESCRIPTION
		STORM SEWER TO BE REMOVED
		STORM SEWER PIPE
		COMBINATION SEWER PIPE
		SANITARY SEWER PIPE
		WATER MAIN
		ELECTRIC LINE
		UNIT DUCT, 1-1/4" DIA FOR STREET LIGHTS
		GAS LINE
		TELEPHONE LINE
		CURB AND GUTTER
		EXISTING CURB AND GUTTER TO BE REMOVED
		CURB AND GUTTER (SPECIAL)
		STEEL PLATE BEAM GUARDRAIL
		DIRECTION OF FLOW
		DRAINAGE SUMMIT
		WATER MAIN VALVE VAULT
		RIM AND TOP OF PIPE ELEVATION
		COMBINATION MANHOLE RIM AND INVERT ELEVATION
		STORM SEWER MANHOLE/CATCHBASIN RIM AND INVERT ELEVATION
		STRUCTURE TO BE ADJUSTED
		TYPE 1 FRAME & CLOSED LID
		TYPE 1 FRAME & OPEN LID
		RECONSTRUCT EXISTING STRUCTURE
		GROUND ELEVATIONS
		CATCH BASINS, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID, SPECIAL
		CATCH BASINS, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID
		INLETS, TYPE A, TYPE I FRAME, OPEN LID
		MANHOLES, TYPE A, 5' DIAMETER, TYPE I FRAME, CLOSED LID (SPECIAL)
		STONE SURFACE
		BITUMINOUS SURFACE

**HIGHWAY STANDARDS DRAWINGS**

STANDARD NO.	TITLE OR DESCRIPTION	STANDARD NO.	TITLE OR DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
280001-07	TEMPORARY EROSION CONTROL SYSTEMS	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
602402-03	PRECAST MANHOLE TYPE A, 5' (1.52M) DIAMETER	701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP	701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
604001-05	FRAMES AND LIDS, TYPE I	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
630001-13	STEEL PLATE BEAM GUARDRAIL	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
630116	BACK SIDE PROTECTION OF GUARDRAIL	701901-09	TRAFFIC CONTROL DEVICES
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE	720001-01	SIGN PANEL MOUNTING DETAILS
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY	720006-04	SIGN PANEL ERECTION DETAILS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE	720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY	729001-01	APPLICATIONS OF TYPES A&B METAL POSTS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	780001-05	TYPICAL PAVEMENT MARKINGS

Drawing file: W:\Projects\_by\_Village\Broadview\12022268 - 25th Avenue Shared-Use Path Phase II\02\_Index.dwg Aug 05, 2024 - 1:43pm

**HANCOCK ENGINEERING**  
 100+ Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED - 8-5-24
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LEGEND OF SYMBOLS, AND IDOT HIGHWAY STANDARDS**  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	2
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-28601

## GENERAL NOTES

1. **SSRBC** - ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2024; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (ILMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 2020, EIGHTH EDITION.

2. **UTILITIES** - BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BROADVIEW, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BROADVIEW.

3. **INCIDENTAL EXCAVATION** - DURING THE REMOVAL OF CONCRETE SIDEWALK, DRIVEWAY, CURB AND GUTTER, OR PAVEMENT, THE CONTRACTOR SHALL EXCAVATE AS NECESSARY SO THAT THE REQUIRED THICKNESS OF PROPOSED CONCRETE, INCLUDING BEDDING CAN BE CONSTRUCTED. THE EXCAVATED MATERIAL, AS WELL AS THE BROKEN CONCRETE, SHALL BE DISPOSED OFF THE JOB SITE AT A DUMP TO BE FOUND BY THE CONTRACTOR AT HIS OWN EXPENSE. A LOW SUB-GRADE MAY BE BROUGHT TO THE PROPER ELEVATION WITH CRUSHED STONE MEETING A CA-6 GRADATION AS APPROVED BY THE ENGINEER.

4. **GARBAGE AND EMERGENCY VEHICLES** - THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND GARBAGE TRUCKS AT ALL TIMES. IF THE GARBAGE TRUCKS ARE NOT ABLE TO HAVE ACCESS TO ALL OF THE PROPERTIES WITHIN THE PROJECT LIMITS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ANY GARBAGE THAT IS AFFECTED IN A LOCATION WHERE THE GARBAGE TRUCKS CAN PICK IT UP. THE CONTRACTOR SHALL ALSO BE REQUIRED TO RETURN THE GARBAGE CANS TO THE PARKWAY OF THE RESPECTIVE PROPERTY BY THE END OF THE DAY.

5. **SAW-CUTTING** - THIS WORK SHALL BE DONE WHERE ANY NEW PAVEMENT, CURB AND GUTTER, FRAMES AND GRATES, STRUCTURES, SIDEWALKS, OR DRIVEWAYS ABUT EXISTING PAVEMENT, CURB AND GUTTER, SIDEWALKS, OR DRIVEWAYS OR AS DIRECTED BY THE ENGINEER.

FRAMES AND LIDS TO BE ADJUSTED AS PART OF THE CONTRACT SHALL BE SAW CUT PRIOR TO BREAKING PAVEMENT AROUND THEM TO COMPLETE THE ADJUSTMENT.

6. **ITEMS TO BE SALVAGED** - ALL FRAMES AND LIDS, WATER VALVES, VALVE BOXES, AND FIRE HYDRANTS WHICH ARE TO BE ABANDONED DUE TO THE CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF BROADVIEW. THE CONTRACTOR IS TO DELIVER THE ITEMS TO BE SALVAGED TO THE VILLAGE OF BROADVIEW PUBLIC WORKS YARD.

7. **LINES AND GRADES** - ALL WORK UNDER THIS CONTRACT SHALL BE BUILT IN ACCORDANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS AND AS GIVEN BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE MATERIALS, SUCH AS STAKES, PAINT, AND GIVE SUCH ASSISTANCE AS MAY BE REQUIRED FOR SETTING LINE AND GRADE BOARDS, AND STAKES OR MARKS SO GIVEN SHALL BE CAREFULLY PRESERVED. THE CONTRACTOR SHALL KEEP THE ENGINEER INFORMED A REASONABLE TIME IN ADVANCE, AT LEAST FORTY-EIGHT (48) HOURS, AS TO HIS NEED FOR ADDITIONAL GRADES AND LINES IN ORDER THAT THE SAME MAY BE FURNISHED AND ALL NECESSARY MEASUREMENTS MADE FOR RECORD AND PAYMENT WITH THE MINIMUM OF INCONVENIENCE TO THE ENGINEER OR OF DELAY TO THE CONTRACTOR.

8. **STRUCTURES ENCOUNTERED** - THE CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR DAMAGE TO WATER LINES, ELECTRIC CONDUITS AND LINES, EXISTING STRUCTURES, DRAINS, SIDEWALKS, CURBS, FENCES, TREES, CULVERTS, AND OTHER STRUCTURES OF ANY KIND AND SHALL BE LIABLE FOR DAMAGES TO PUBLIC AND PRIVATE PROPERTY, EXCEPT WHERE THESE ITEMS ARE TO BE REMOVED AND REPLACED AS CALLED FOR ON THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

9. **UNAUTHORIZED EXCAVATION** - IF THE BOTTOM OF ANY EXCAVATION IS REMOVED BEYOND THE LIMITS DIRECTED, IT SHALL BE BACKFILLED AND COMPACTED TO THE PROPER GRADE WITH A MATERIAL SUITABLE TO THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.

10. **MAINTENANCE OF WORK SITE** - THE CONTRACTOR SHALL KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE, AND SHALL REMOVE SAME FROM ANY PORTION OF THE SITE, IF, IN THE OPINION OF THE ENGINEER, SUCH MATERIAL, DEBRIS, OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE IN ANY WAY TO THE PUBLIC. THE CONTRACTOR SHALL REMOVE ALL MACHINERY, MATERIALS, BARRICADES, STAGING, FALSE-WORK, DEBRIS AND RUBBISH CONNECTED WITH, OR CAUSED BY SAID WORK, IMMEDIATELY UPON THE COMPLETION OF THE SAME AND SHALL CLEAN ALL STRUCTURES AND WORK CONSTRUCTED UNDER THE CONTRACT TO THE SATISFACTION OF THE ENGINEER AND LEAVE THE PREMISES IN AN APPROVED CONDITION INSOFAR AS AFFECTED BY THE WORK UNDER THIS CONTRACT.

WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS AND DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS DUE TO CONSTRUCTION OPERATIONS.

11. **PROTECTION OF PAVEMENT** - WHENEVER THE PROPOSED CONSTRUCTION IS LOCATED ADJACENT TO OR ACROSS AN EXISTING PAVEMENT STRUCTURE SUCH AS CURB AND GUTTER, SIDEWALK AND DRIVEWAY PAVEMENT, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND PROTECT ALL PAVEMENTS NOT DESIGNATED FOR REMOVAL. TRENCH WIDTH SHALL BE CONTROLLED TO LIMIT THE EXTENT OF REMOVAL WITHIN THE BOUNDS ESTABLISHED BY THE ENGINEER. REMOVAL BEYOND THE DEFINED LIMITS SHALL BE AT THE CONTRACTOR'S COST, UNLESS AUTHORIZED IN WRITING BY THE ENGINEER. DAMAGE TO ADJACENT PAVEMENT STRUCTURES TO REMAIN SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.

12. **RESTORATION OF PROPERTY** - THE CONTRACTOR SHALL RESTORE OR REPLACE ALL PAVEMENTS, STRUCTURES, OR OTHER PROPERTY DAMAGED BY CONSTRUCTION ACTIVITIES TO THE CONDITION THAT EXISTED IMMEDIATELY PRIOR TO THE START OF THE WORK. ALL FENCES AND OTHER STRUCTURES IN THE VICINITY OF THE WORK SHALL BE PROTECTED AND IF DAMAGED SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. ALL TREES SHALL BE SATISFACTORILY PROTECTED BY BOXES OR BOARDS.

TREE BRANCHES AND ROOTS SHALL NOT BE CUT EXCEPT BY PERMISSION OF THE ENGINEER. ALL CUTTING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. SHRUBS AND BUSHES, WHICH LIE WITHIN THE CONSTRUCTION ACTIVITY, MAY BE DUG UP, TEMPORARILY MOVED, AND REPLANTED IN THEIR ORIGINAL LOCATIONS IF PERMITTED BY THE ENGINEER. IF THE PLANTS ARE DAMAGED OR DO NOT SATISFACTORILY GROW AFTER REPLANTING, THEY SHALL BE REPLACED BY THE CONTRACTOR, WITH PLANTS OF SAME KIND AND SIZE.

13. **UNSUITABLE MATERIAL** - IF MATERIAL IS FOUND WHICH IN THE OPINION OF THE ENGINEER IS UNSUITABLE AS A SUB BASE, IT SHALL BE REMOVED AND A MATERIAL SELECTED BY THE ENGINEER SHALL BE INSTALLED AND COMPACTED.

14. **MISCELLANEOUS ADJUSTMENTS** - THE ADJUSTMENT OF ANY PUBLIC UTILITY VALVE BOXES OR STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE DONE BY PERSONNEL OF THE RESPECTIVE PUBLIC UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OF THE REQUIRED WORK AND COORDINATING THESE ACTIVITIES WITH HIS OWN SCHEDULE OF CONSTRUCTION. THIS SHALL NOT APPLY TO VILLAGE BUFFALO BOXES, VALVE BOXES OF VILLAGE OWNED FRAMES

15. **CLEANING OF DRAINAGE STRUCTURES** - ALL DRAINAGE STRUCTURES LOCATED WITHIN THE GUTTER PORTIONS OF THE COMBINATION CURB AND GUTTER ON ALL STREETS BEING IMPROVED SHALL BE CLEANED OF ALL CONSTRUCTION MATERIALS AND EXISTING DEBRIS AND SEDIMENT PRIOR TO THE ACCEPTANCE OF THE WORK PERFORMED ON THE PROJECT.

16. **VILLAGE WATER USAGE** - THE VILLAGE REQUIRES THE USE OF A WATER METER FOR ALL CONTRACTORS THAT NEED ACCESS TO A VILLAGE FIRE HYDRANT. THE WATER METERS ARE AVAILABLE AT THE VILLAGE OF BROADVIEW PUBLIC WORKS BUILDING. THE CONTRACTOR WILL BE REQUIRED TO PLACE A DEPOSIT PRIOR TO BEING ISSUED A WATER METER. THE DEPOSIT IS REFUNDABLE, UPON THE RETURN OF THE WATER METER, IN ITS ORIGINAL CONDITION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE AN APPROVED HYDRANT OPERATING WRENCH WHEN OPENING AND CLOSING ANY FIRE HYDRANTS. THE USE OF A PIPE WRENCH IS NOT ALLOWED IF THE CONTRACTOR IS OBSERVED TAKING WATER FROM THE VILLAGE'S WATER SYSTEM WITHOUT A WATER METER OR WRITTEN PERMISSION FROM THE PUBLIC WORKS DIRECTOR TO DO SO, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN WATER FROM A DIFFERENT SOURCE.

17. **VILLAGE STREET SIGNS ON POSTS** - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE, STORE IN A PROTECTED LOCATION, AND THEN RESET ALL STREET SIGNS ON POSTS ENCOUNTERED WITHIN THE BOUNDARIES OF THIS PROJECT. THE CONTRACTOR SHALL ALSO BAG ANY REGULATORY SIGNS THAT WILL NOT BE IN EFFECT DURING CONSTRUCTION AND PROVIDE TEMPORARY SIGNAGE FOR ANY ADJUSTMENT TO EXISTING TRAFFIC PATTERNS.

18. **PUNCHLIST** - ANY PUNCHLIST WORK THAT IS REQUIRED SHALL BE COMPLETED WITHIN TWENTY -ONE (21) DAYS OF DELIVERY OF THE "PUNCHLIST" FROM THE ENGINEER OR WITHIN THE CONTRACT WORKING DAYS; WHICH EVER APPLIES. IF THE PUNCHLIST WORK HAS NOT BEEN COMPLETED WITHIN THE TWENTY-ONE (21) DAYS AS DESCRIBED ABOVE, THEN DAILY LIQUIDATED DAMAGES SHALL RESUME AT THAT TIME UNTIL THE PUNCHLIST ITEMS ARE COMPLETED.

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

## CONCRETE GENERAL NOTES

1. **FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, AND GUTTER FLAGS** - A MINIMUM 2" X 6" BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A MINIMUM 2" X 8" BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. A MINIMUM 2" X 12" BOARD WILL BE USED AS THE FORM FOR THE FACE OF THE GUTTER FLAGS. NO METAL FORMS WILL BE ALLOWED EXCEPT. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.

2. **PROTECTION OF NEWLY POURED CONCRETE** - ALL CONCRETE CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR TO PREVENT ACCIDENTAL OR PRE-MEDITATED DAMAGE. SUPERVISION OF FRESHLY POURED AREAS SHALL BE PROVIDED UNTIL THE MATERIAL HAS ADEQUATELY CURED ACCORDING TO SSRBC. THE CONTRACTOR SHALL KEEP EMPLOYEES AT THE JOB SITE AFTER THE CONCRETE HAS BEEN POURED UNTIL IT HAS CURED SUFFICIENTLY SO THAT GRAFFITI CAN NOT BE INSCRIBED IN THE NEWLY POURED CONCRETE SURFACES. ANY CONCRETE ITEMS THAT ARE DEFACED SHALL BE REPLACED BY THE CONTRACTOR.

3. **BITUMINOUS EXPANSION JOINTS** - THREE-QUARTER INCH (3/4") NOMAFLEX EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW SIDEWALK OR CURB AND GUTTER OR DRIVEWAY PAVEMENT ABUTS AN EXISTING CONCRETE WALK, DRIVE, OR CURB WHICH IS TO REMAIN IN PLACE, AND AT NOT LESS THAN SEVENTY-FIVE FEET (75') INTERVALS AT LOCATIONS WHERE SIDEWALK REPLACEMENT IS IN EXCESS OF SEVENTY-FIVE FEET (75'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

EXPANSION JOINTS WILL BE PLACED IN CURB AND GUTTER AT ALL RADIUS POINTS, ALL BEND POINTS, ON BOTH SIDES OF FRAMES AND GRATES THAT ARE IN THE CURB AND GUTTER, AND AT NOT LESS THAN NINETY FOOT (90') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF NINETY FEET (90'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18") IN LENGTH, WITH PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY.

4. **SIDEWALK AND CURB AND GUTTER REPLACEMENT** - LOCATIONS OF SIDEWALK AND CURB AND GUTTER REPLACEMENT ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION.

5. **DEPRESSED CURBS** - THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS AT ALLEY RETURNS AND STREET INTERSECTIONS, AND FOR PRIVATE AND COMMERCIAL DRIVES AND AS DIRECTED BY THE ENGINEER

6. **DRAINAGE OPENINGS** - AT ALL LOCATIONS WHERE CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 3/4" EXPANSION JOINT SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5 FT. FROM EACH SIDE OF THE CASTING. 2-NO. 4 RE-BARS, 9' IN LENGTH, SHALL BE INCORPORATED IN THE CONTINUOUS PORTION OF CONCRETE CURB BEHIND THE CASTING.

7. **DETECTABLE WARNINGS** - DETECTABLE WARNINGS SHALL BE INSTALLED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS, AT ALLEY RETURNS, AND STREET INTERSECTIONS. THESE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS.

8. **SLIPFORM CONSTRUCTION** - VERTICAL FACES MAY BE BATTERED AT THE RATE OF 3/4" PER FOOT OF HEIGHT TO AID IN SLIPFORM OPERATIONS. THE PROPOSED CURB HEIGHT IS VARIABLE.

9. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1

10. **NO COMMITMENTS**

THE EDWIN HANCOCK ENGINEERING COMPANY AND THE VILLAGE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.

## MAINTENANCE OF TRAFFIC NOTES

- THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

Drawing file: W:\Projects\_by\_Village\Broadview\12023268 - 25th Avenue Shared-Use Path Phase II\General Notes.dwg Aug 05, 2024 - 1:43pm

 <p><b>HANCOCK ENGINEERING</b> 100+ Years of Excellence</p>	<p>◆ Civil Engineers ◆ Municipal Consultants ◆ Established 1911</p>	<p>9933 Roosevelt Road Westchester, IL 60154-2780 Phone: 708-845-0300 www.hancock.com</p>
	DESIGNED - MWV, AA	REVISED -
	DRAWN - DMM, SFB, GD	REVISED -
	CHECKED - JGG	REVISED - 8-5-24
DATE - 6-17-24	REVISED - 7-17-24	

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### GENERAL NOTES

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	3
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

## SEWER AND WATER GENERAL NOTES

1. **INSPECTION OF PIPE AND ACCESSORIES** - ANY DEFECTIVE, DAMAGED OR UNSOUND MATERIAL SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. ALL FOREIGN MATTER OR DIRT SHALL BE INSPECTED FOR DEFECTS PRIOR TO LOWERING INTO POSITION IN THE TRENCH. PIPE SHALL BE KEPT CLEAN BY MEANS APPROVED BY THE ENGINEER DURING AND AFTER LAYING.

2. **TRENCH EXCAVATION** - THE TRENCH SHALL BE DUG TO THE REQUIRED ALIGNMENT AND DEPTH SHOWN ON THE DRAWINGS OR AS SUBSEQUENTLY APPROVED IN WRITING BY THE ENGINEER, AND ONLY SO FAR IN ADVANCE OF PIPE LAYING AS PERMITTED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO HANDLE EXCAVATED MATERIAL CAREFULLY TO MINIMIZE THE ACCUMULATION ON EXISTING PAVED SURFACES. WHEREVER POSSIBLE THE EXCAVATED MATERIAL SHOULD BE DIRECTLY LOADED INTO A WAITING TRUCK FOR DIRECT DISPOSAL. THE CONTRACTOR WILL CLEAN ALL PAVEMENT AREAS TO THE SATISFACTION OF THE ENGINEER.

3. **EXCAVATION NEAR EXISTING STRUCTURES** - ALL EXISTING PIPES, CONDUITS, CABLES, POLES, PAVEMENTS, AND OTHER STRUCTURES NOT DESIGNATED TO BE REMOVED BY THE CONTRACT DOCUMENTS ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. THE TEMPORARY SUPPORT, PROTECTION, AND MAINTENANCE OF THE STRUCTURES, SHALL BE FURNISHED BY THE CONTRACTOR AT HIS OWN EXPENSE. WHERE THE GRADE OR ALIGNMENT OF THE PIPE IS OBSTRUCTED BY EXISTING UTILITY STRUCTURES SUCH AS CONDUITS, DUCTS, PIPES, BRANCH CONNECTIONS TO MAIN SEWERS, OR MAIN DRAINS, THE OBSTRUCTION SHALL BE PERMANENTLY SUPPORTED, RELOCATED, REMOVED, OR RECONSTRUCTED BY THE CONTRACTOR IN COOPERATION WITH THE OWNERS OF SUCH UTILITY STRUCTURES. WHENEVER NECESSARY TO DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITY STRUCTURES, THE CONTRACTOR, AFTER AN EXAMINATION OF AVAILABLE RECORDS, SHALL MAKE ALL EXPLORATIONS AND EXCAVATIONS FOR SUCH PURPOSE AS MAY BE DIRECTED BY THE ENGINEER.

4. **CUTTING PIPE** - ALL PIPES SHALL BE CUT TO ITS REQUIRED LENGTH IN THE FIELD BY A POWERED MECHANICAL ROTARY SAW AND THE EXPOSED END GROUND BY A MECHANICAL GRINDING TOOL TO A SMOOTH BEVELED FINISH.

5. **CONTROL OF SEWER FLOWS** - IN AREAS WHERE SECTIONS OF SEWER ARE TO BE REPLACED, THE CONTRACTOR SHALL TAKE CARE TO MANAGE FLOWS CARRIED BY THE PIPELINE, WITHOUT RISK TO THE PROJECT AS TO PUBLIC HEALTH AND SAFETY.

6. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. THEY SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS.

7. **BACKFILLING OPERATIONS** - TRENCH BACKFILL UNDER PAVEMENT - TRENCH BACKFILL SHALL BE INSTALLED AND MEASURED FOR PAYMENT FROM ONE FOOT ABOVE THE WATER MAIN OR SEWER TO THE ELEVATION OF THE EXISTING PAVEMENT SURFACE.

TRENCH BACKFILL SHALL BE COMPLETED ACCORDING TO 550.07 (A) METHOD 1. METHODS B AND C (JETTING) WILL NOT BE ALLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING THE TRENCHES WITH CRUSHED STONE TO A LEVEL EQUAL TO THAT OF ADJACENT EXISTING PAVEMENTS BY THE END OF EACH WORK DAY. THE STONE SHALL BE LEVELED OFF AND COMPACTED TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE TO PERMIT TEMPORARY PEDESTRIAN AND VEHICULAR TRAFFIC.

8. **EXPLORATORY EXCAVATION** - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ELEVATION OF EXISTING WATER MAINS, GAS MAINS, TELEPHONE DUCTS, AND OTHER PUBLIC UTILITIES WHICH ARE TO BE CROSSED WITH THE PROPOSED SEWER A SUFFICIENT LENGTH AHEAD OF PIPE LAYING OPERATIONS SO THAT THE PROPOSED SEWER MAIN CAN BE INSTALLED AT AN ELEVATION WHICH WILL AVOID CONFLICTS WITH THE EXISTING UTILITIES WITHOUT REQUIRING THE USE OF BENDS AND/OR FITTINGS ON THE PROPOSED SEWER. THE ENGINEER SHALL ASSIST THE CONTRACTOR BY DETERMINING THE ELEVATION OF THE EXISTING UTILITY ONCE IT HAS BEEN EXPOSED BY THE CONTRACTOR.

9. **MATERIALS** - THE CONTRACTOR SHALL VERIFY THE TYPE OF ALL SEWER PIPE MATERIALS AND WATER MAIN HARDWARE INCLUDING VALVES, FIRE HYDRANTS, VALVE BOXES, CORPORATION STOPS, CURB STOPS, AND WATER SERVICES BOXES WITH THE ENGINEER PRIOR TO ORDERING SUCH MATERIAL.

10. **FRAMES AND LIDS** - THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

### 11. DUCTILE IRON PIPE SPECIFICATIONS

ALL DUCTILE IRON PIPE WATER MAINS AND SEWER MAINS SHALL BE CLASS 52, CEMENT-LINED AND TAR-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C151/A21.51 WITH "PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIEU OF "PUSH-ON" JOINTS.

ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST

IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL BE USED.

ALL PROPOSED DUCTILE IRON PIPE WATER MAIN AND SEWER MAIN WILL BE ENCASED WITHIN FOUR (4) MIL THICK, HIGH-DENSITY POLYETHYLENE TUBING. ALL FITTINGS SHALL BE ENCASED IN A DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSI/AWWA C105/A21.5. ALL PROPOSED WATER AND SEWER SERVICES SHALL BE ENCASED IN POLYETHYLENE TUBING FOR A MINIMUM DISTANCE OF THREE FEET (3') FROM THE PROPOSED WATER MAIN AND SEWER MAIN.

12. **POINT REPAIRS** - FIGURES SHOWN SEWER REPAIRS INDICATED DISTANCES FROM MANHOLES.

13. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, COMBINED SEWERS, TELEPHONE LINES, COMMUNICATION LINES, ELECTRIC LINES, GAS MAINS, AND WATER SERVICES ARE APPROXIMATE AND THEIR SPECIFIC LOCATIONS ARE TO BE DETERMINED IN THE FIELD AT NO COMPENSATION TO THE CONTRACTOR.

14. COORDINATION OF ALL UTILITY WORK INVOLVED WITHIN THE CONSTRUCTION AREAS SHALL BE SUBJECT TO DISCUSSION AND CLARIFICATION AT A PRECONSTRUCTION MEETING.

15. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINAGE STRUCTURES OR SEWERS UNTIL PERMANENT CONNECTIONS TO SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE PAID FOR AS TEMPORARY DRAINAGE CONNECTIONS.

16. ALL PROPOSED WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EIGHTH EDITION, DATED 2020, AND ALL REVISIONS THERETO.

17. UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED WITH CLASS "SI" CONCRETE OR BRICK AND SUITABLE MORTAR TO THE SATISFACTION OF THE ENGINEER.

## ASPHALT GENERAL NOTES

1. THE INTERSECTION RETURNS SHALL BE PAVED AT THE SAME TIME AS THE MAINLINE PAVEMENT.

2. THE CONTRACTOR WILL BE REQUIRED TO CLOSE UP ALL STREETS IN THE SAME DAY. NO OPEN LONGITUDINAL JOINTS WILL BE LEFT OPEN OVERNIGHT.

3. THE LOCATION OF ALL TRANSVERSE COLD JOINTS LEFT BETWEEN DAYS OF PAVING SHALL BE APPROVED BY THE ENGINEER.

4. **TACK COAT AND PRIME COAT** - MUST BE INSTALLED NO EARLIER THAN TWENTY-FOUR (24) HOURS PRIOR TO PLACEMENT OF HOT-MIX ASPHALT. NOTICES SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES IMPACTING VEHICLE ACCESS A MINIMUM OF 24 HOURS PRIOR TO PLACEMENT OF TACK COAT.

5. **MILLED BUTT JOINTS** - WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/4 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)

6. **BUTT JOINT REMOVAL** - BUTT JOINTS SHALL BE CUT NO MORE THAN 24 HOURS PRIOR TO FINAL SURFACE PAVING. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS.

## LANDSCAPING GENERAL NOTES

1. ONCE CONCRETE IMPROVEMENTS ARE COMPLETED AND PRIOR TO FINAL SURFACE COURSE BEING PLACED, ALL LANDSCAPE AREAS ARE TO BE BACKFILLED AND HAVE TOPSOIL PLACED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY EXCAVATION AND GRADING OF THE PARKWAY WHICH IS REQUIRED TO GIVE A UNIFORM SLOPE FROM THE LIMIT OF SOD RESTORATION TO THE TOP OF THE CURB SHALL BE INCLUDED IN THIS CONTRACT.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEED PREVENTION AND REMOVING ANY WEEDS PRIOR TO THE PLACEMENT OF THE SOD. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR MAINTENANCE OF WEEDS WITHIN NEWLY TOPSOILED AREAS. ONCE ANY WEEDS, AS DETERMINED BY THE ENGINEER, HAVE EXCEEDED SIX INCHES (6") IN HEIGHT, THEY SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE METHOD OF WEED CONTROL AND WEED REMOVAL MUST BE APPROVED BY THE ENGINEER.

## ELECTRIC GENERAL NOTES

1. WHEN INSTALLATION OF STEEL CONDUIT IS REQUIRED WITHIN THE AREA OF ANY PROPOSED IMPROVEMENT, THE STEEL CONDUIT SHALL BE INSTALLED DURING THE EXCAVATION FOR THE PROPOSED IMPROVEMENT. NO DIRECTIONAL BORING BENEATH NEWLY COMPLETED PROPOSED IMPROVEMENT WILL BE ALLOWED.

1. **ASSIGNMENT OF CONTRACT** - NO PART OF THE WORK HEREIN SPECIFIED SHALL BE ASSIGNED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER, AND IN NO CASE SHALL SUCH CONSENT RELIEVE THE CONTRACTOR OR HIS SURETY FROM THE OBLIGATIONS HEREIN ENTERED INTO BY THE SAME OR CHANGE THE TERMS OF THIS AGREEMENT.

2. **SUSPENSION OF WORK** - SHOULD THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER AND THE DEPARTMENT, STOP WORK, OR SHOULD THE WEATHER CONDITIONS IN THE OPINION OF THE ENGINEER BE SUCH THAT THE WORK COULD NOT BE PROPERLY AND SAFELY PERFORMED, THEN THE ENGINEER MAY ORDER SAID CONTRACTOR OR CONTRACTORS TO SUSPEND WORK UNTIL SUCH TIME AS WEATHER CONDITIONS SHALL PERMIT PROPER CONSTRUCTION, AND IN ANY CASE OF STOPPAGE OF WORK, THE CONTRACTOR SHALL AT HIS OWN EXPENSE STORE MATERIALS AND BE RESPONSIBLE FOR ALL ACCIDENTS AS THOUGH THE WORK WAS IN PROGRESS.

3. **SOIL BORING** - SOIL BORINGS HAVE BEEN TAKEN ALONG THE ROUTE OF THE PROPOSED IMPROVEMENTS, AND ARE AVAILABLE FOR REVIEW BY CONTACTING VILLAGE ENGINEER AT CBAKER@EHANCOCK.COM. THE CONTRACTOR SHALL VERIFY SUBSURFACE SOIL CONDITIONS TO HIS SATISFACTION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL ASSUME FULL RESPONSIBILITY FOR MEETING AND OVERCOMING ALL SOIL CONDITIONS, INCLUDING ROCK, HARDPAN, ISOLATED BOULDERS, SATURATED SOIL, RUNNING SAND, OR OTHER MATERIAL THAT IS ENCOUNTERED.

4. **NIGHT, SUNDAY, AND HOLIDAY WORK** - IF IT IS FOUND NECESSARY TO CONTINUE THE WORK AT NIGHT, ON SUNDAY OR LEGAL HOLIDAYS, THE CONTRACTOR WILL BE CHARGED FOR THE ENGINEERING AND INSPECTION AT SUCH TIMES AT RATES DESCRIBED IN THE SPECIFICATIONS UNDER THE HEADING OF OVERTIME ENGINEERING.

5. **PUBLIC ACCESSIBILITY** - THE DEPARTMENT RESERVES THE RIGHT TO REMEDY ANY NEGLIGENCE ON THE PART OF THE CONTRACTOR AS REGARDS THE PROTECTION OF THE WORK AFTER TWENTY-FOUR (24) HOURS' NOTICE IN WRITING; EXCEPT IN CASES OF EMERGENCY WHEN IT SHALL HAVE THE RIGHT TO REMEDY ANY NEGLIGENCE WITHOUT NOTICE, AND IN EITHER CASE TO DEDUCT THE COST OF SUCH REMEDY FROM ANY MONEY DUE OR TO BECOME DUE THE CONTRACTOR.

6. **WORKING HOURS** - CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7AM AND 7PM MONDAY THROUGH FRIDAY AND 8AM TO 5PM ON SATURDAYS.

### 7. MATERIAL TESTING

ALL MATERIAL INSPECTION MUST BE SUBMITTED AND ACKNOWLEDGED BEFORE A FINAL PAY ESTIMATE WILL BE SUBMITTED FOR CONSIDERATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF ANY SCHEDULED CONCRETE PLACEMENT OR HOT-MIX ASPHALT PAVING OPERATIONS SO THAT TESTING CAN BE SCHEDULED. FAILURE TO GIVE ADEQUATE NOTICE WILL POSTPONE ANY INTENDED CONCRETE OR PAVING OPERATION AT THE CONTRACTORS EXPENSE AND ACCOUNTABILITY.

8. **NOTIFICATION OF RESIDENTS** - THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL RESIDENCES AND/OR PLACES OF BUSINESS TWENTY-FOUR (24) HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION ACTIVITY THAT WILL AFFECT ACCESS TO THEIR PROPERTY AND AN ADDITIONAL NOTICE TWENTY-FOUR (24) HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION ACTIVITY ON THEIR RESPECTIVE SECTION OF ROADWAY. ALL NOTICES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE.

9. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1

### 10. NO COMMITMENTS

Drawing file: W:\projects\_by\_village\broadsview\2023268 - 25th avenue shared-use phase 1\General Notes.dwg Jul 17, 2024 - 11:30am

 <p><b>HANCOCK ENGINEERING</b> 100+ Years of Experience</p>	<p>◆ Civil Engineers</p>	<p>9938 Roosevelt Road Westchester, IL 60184-2780</p>	DESIGNED - MWV, AA	REVISED -
	<p>◆ Municipal Consultants</p>	<p>Phone: 708-946-0300</p>	DRAWN - DMM, SFB, GD	REVISED -
	<p>◆ Established 1911</p>	<p>www.hancock.com</p>	CHECKED - JGG	REVISED -
			DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	4
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.I.E. PROJECT NO. 120-23-26801

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028	0042
					URBAN	URBAN
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	36	36	
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	300	300	
*	20101100	TREE TRUNK PROTECTION	EACH	14	14	
*	20101200	TREE ROOT PRUNING	EACH	14	14	
	20200100	EARTH EXCAVATION	CU YD	1960	1960	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	200	200	
	20800150	TRENCH BACKFILL	CU YD	500	500	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1300	1300	
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1500	1500	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8800	8800	
	21400100	GRADING AND SHAPING DITCHES	FOOT	2750	2750	
*	25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	160	160	
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	160	160	
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	160	160	
*	25000750	MOWING	ACRE	2	2	

Drawing File: W:\Projects\by\_stage\msoctee\17023268 - 20th avenue shared-use path phase II\Schematic of Quantities.dwg Jul 17, 2024 - 10:12am



CMI Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Wheeling, IL 60154-2790  
 Phone: 708-846-0300  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED -
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 5
CONTRACT NO. 61K72			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT	

I.H.E. PROJECT NO. 120-23-26801

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
*	25200100	SODDING	SQ YD	8800	8800	
*	25200200	SUPPLEMENTAL WATERING	UNIT	480	480	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	360	360	
	28000400	PERIMETER EROSION BARRIER	FOOT	220	220	
	28000510	INLET FILTERS	EACH	44	44	
	28100203	STONE RIPRAP, CLASS A2	TON	14	14	
	28200200	FILTER FABRIC	SQ YD	18	18	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	830	830	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	390	390	
	35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	5000	5000	
	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	1250	1250	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	13500	13500	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4000	4000	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	2	2	
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	460	460	

Drawing file: W:\Projects\By\_Village\Projects\19023088 - 25th Avenue altered - use path phase in Summary of Quantities.dwg Jul 17, 2024 - 10:46am

**HANCOCK ENGINEERING**

9933 Roosevelt Road  
 Westchester, IL 60184-2710  
 Phone: 708-666-0900  
 www.hancock.com

♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	6
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 126/23-28901

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1020	1020	
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	385	385	
	40800050	INCIDENTAL HOT MIX ASPHALT SURFACING	TON	70	70	
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	300	300	
	42101300	PROTECTIVE COAT	SQ YD	2500	2500	
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH	SQ YD	1500	1500	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7350	7350	
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	600	600	
	42400800	DETECTABLE WARNINGS	SQ FT	1150	1150	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	680	680	
	44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	3800	3800	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1675	1675	
	44000300	CURB REMOVAL	FOOT	440	440	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	600	600	
	44000600	SIDEWALK REMOVAL	SQ FT	11000	11000	
	44000100	PAVEMENT REMOVAL	SQ YD	1500	1500	

Drawing file: M:\Projects\By\_Village\BrookView\2023\2023066 - 25th Avenue Street-Lane Path Phase II\Summary of Quantities.dwg Jul 17, 2024 - 10:17am

**HANCOCK ENGINEERING**

60+ Years of Experience  
 ♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

9933 Roseville Road  
 Westchester, IL 60154-2790  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED -
DATE - 5-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BY	COOK	102	7
CONTRACT NO. 81K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

S.H.E. PROJECT NO. 120-23-28801

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
	44213204	TIE BARS 3/4"	EACH	1000	1000	
	50200100	STRUCTURE EXCAVATION	CU YD	570	570	
	50300225	CONCRETE STRUCTURES	CU YD	70	70	
	50800205	REINFORCEMENT BARS. EPOXY COATED	POUND	4230	4230	
*	50901720	BICYCLE RAILING	FOOT	431	431	
	52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	1327	1327	
	54213672	PRECAST REINFORCED CONCRETE FLARED END SECTION 27"	EACH	1	1	
	550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	1000	1000	
	550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	440	440	
*	56106300	ADJUSTING WATER MAIN 6"	FOOT	20	20	
*	56400200	FIRE HYDRANTS TO BE MOVED (SPECIAL)	EACH	5	5	
*	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2	
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	431	431	
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	23	23	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	18	18	
	60255500	MANHOLES TO BE ADJUSTED	EACH	21	21	

Drawing File: W:\Projects\by\_village\broadsview\12023188 - 25th avenue shared-use path phase II\Summary of Quantities.dwg Jul 17, 2024 - 10:47am

**HANCOCK ENGINEERING**  
 603 - Years of Experience  
 ♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

1933 Rockwell Road  
 Wheeling, IL 60184-2780  
 Phone: 708-364-2900  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED -
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	8
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

S.H.E. PROJECT NO. 120-23-26801



# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4	
	60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	11	11	
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4	
	60600605	CONCRETE CURB, TYPE B	FOOT	100	100	
	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 (MODIFIED)	FOOT	400	400	
	60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.18 (MODIFIED)	FOOT	320	320	
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	400	400	
*	63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	400	400	
	63200310	GUARDRAIL REMOVAL	FOOT	270	270	
*	64300350	IMPACT ATTENUATOR (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2	EACH	3	3	
*	66900200	NON SPECIAL WASTE DISPOSAL	CU YD	1785	1785	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8	
*	66901001	REGULATED SUBSTANCES PRE CONSTRUCTION PLAN	L SUM	1	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
*	66901005	ENGINEERED BARRIER	SQ YD	160	160	

Drawing file: W:\Projects\by\_stage\brockview\12023288 - 25th Avenue at Hartford with path photo (Summary of Quantities.dwg) Jul 17, 2024 - 10:47am



Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60184-2790  
 Phone: 708-466-0900  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED -
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	9
CONTRACT NO. 81K72			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT	

SHEET PROJECT NO. 12023-28691

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	60	60	
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION. STANDARD 701501	L SUM	1	1	
	70102625	TRAFFIC CONTROL AND PROTECTION. STANDARD 701606	L SUM	1	1	
	70102634	TRAFFIC CONTROL AND PROTECTION. STANDARD 701611	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION. STANDARD 701701	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION. STANDARD 701801	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	100	100	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	100	100	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1100	1100	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	500	500	
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	2200	2200	
*	72000100	SIGN PANEL TYPE 1	SQ FT	140	140	
*	72900100	METAL POST TYPE A	FOOT	450	450	
*	78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	1200	1200	
*	78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	400	400	

Drawing File: W:\Projects\by\_Mileage\Illinois\120325268 - 25th Avenue Shared-Use Path Phase 1\Ssummary of Quantities.dwg Aug 05, 2024 - 3:13pm

S.M.E. PROJECT NO. 120-03-26801

<b>HANCOCK ENGINEERING</b> <small>1331 W. WASHINGTON ST. CHICAGO, IL 60604                  (773) 442-1000                  www.hancock.com</small>	♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911	9723 Roosevelt Road Westchester, IL 60154-2780 Phone: 708-445-0300 www.hancock.com	DESIGNED - MWV, AA	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - DMM, SFB, GD	REVISED -			2714	19-00082-00-BT	COOK	102	10
			CHECKED - JGG	REVISED - 8-5-24			CONTRACT NO. 61K72				
			DATE - 6-17-24	REVISED - 7-17-24			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
*	78000500	THERMOPLASTIC PAVEMENT MARKING- LINE 8"	FOOT	1600	1600	
*	78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	1210	1210	
*	78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	FOOT	60	60	
*	78009004	MODIFIED URETHANE PAVEMENT MARKING LINE 4"	FOOT	685	685	
*	78009006	MODIFIED URETHANE PAVEMENT MARKING LINE 6"	FOOT	1130	1130	
*	78009012	MODIFIED URETHANE PAVEMENT MARKING LINE 12"	FOOT	1450	1450	
*	78009024	MODIFIED URETHANE PAVEMENT MARKING LINE 24"	FOOT	25	25	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	14	14	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	14	14	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	250	250	
*	81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	280	280	
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	14	14	
	89502376	REBUILD EXISTING HANDHOLE	EACH	4	4	
*	A2002816	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
*	A2005416	TREE, LIRIODENDRON TULIPIFERA (TULIP TREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
*	A2005466	TREE, MALCURA POMFERA WHITE SHIELD OSAGE ORANGE, 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	

Drawing File: W:\Projects\2024\2024-05-05\2024-05-05 - 20th Avenue Shared-Use Path Phase II\Summary of Quantities.dwg Aug 05, 2024 - 3:13pm

S.H.E. PROJECT NO. 110-23-24801

**HANCOCK ENGINEERING**  
 191 Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 1933 Roosevelt Road  
 Wheeling, IL 60154-2780  
 Phone: 708-345-0900  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED - 8-5-24
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	11
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61K72 FED. AID PROJECT	

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028	0042
					URBAN	URBAN
*	A2005516	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2005916	TREE, PLATANUS X ACERIFOLIA BLOODGOOD (BLOODGOOD LONDON PLANETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
*	A2012916	TREE, CELTIS OCCIDENTALIS ULZAM (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
	K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	3	3	
	K0036120	MULCH PLACEMENT, 4"	SQ YD	50	50	
	K1004595	PRUNING FOR SAFETY AND EQUIPMENT	L SUM	1	1	
*	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	2	
	X2010507	CLEARING (SPECIAL)	ACRE	0.2	0.2	
	X2070302	POROUS GRANULAR EMBANKMENT (SPECIAL)	TON	5	5	
*	X2502019	SEEDING, CLASS 4B (SPECIAL)	ACRE	0.25	0.25	
*	X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.25	0.25	
*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	200	200	
	X2810212	STONE RIPRAP, CLASS A6 (SPECIAL)	TON	17	17	
	X2810214	STONE RIPRAP, CLASS A7 (SPECIAL)	TON	31	31	
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	18	18	
	X4420210	TEMPORARY PATCHING	SQ YD	400	400	

Aug 05, 2024 - 3:13pm  
C:\Projects\19-0082\19-0082.dwg - 25th Avenue Shared-Use Path Phase II Summary of Quantities.dwg



♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911  
 9133 Forest Hill Road  
 Winchester, IL 60154-2780  
 Phone: 708-465-0500  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	8-5-24
DATE -	6-17-24	REVISED -	7-17-24

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

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-0082-00-BT	COOK	102	12
CONTRACT NO. 61K72			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT	

SHEET PROJECT NO. 125-25-248801

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE 80% FEDERAL / 20% LOCAL	
SPLTY	Code Number	Description	Unit	Total Quantity	BIKE PATH	TRAINEES
					0028 URBAN	0042 URBAN
	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	4	4	
*	X6350108	FLEXIBLE DELINEATORS	EACH	10	10	
	X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1	1	
*	X8440110	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	2	2	
	XX006281	STORM SEWER, DUCTILE IRON, TYPE 1 10"	FOOT	30	30	
	Z0019600	DUST CONTROL WATERING	UNIT	50	50	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	104	104	
*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	
	Z0076600	TRAINEES	HOUR	500		500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

Drawing for W:\projects\by\_virgo\roads\10223261 - 25th Avenue Street-Use Path Phase II Summary of Quantities.dwg Aug 05, 2024 - 3:13pm

**HANCOCK ENGINEERING**

♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

9933 Roosevelt Road  
 Wheeling, IL 60154-2790  
 Phone: 708-843-0900  
 www.hancock.com

DESIGNED -	MWW, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	8-5-24
DATE -	6-17-24	REVISED -	7-17-24

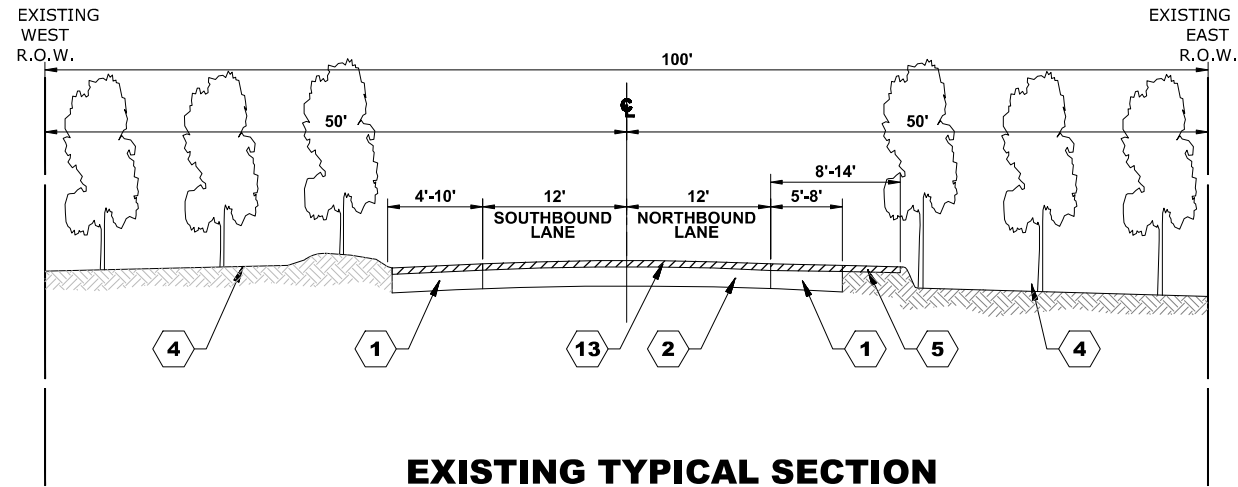
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

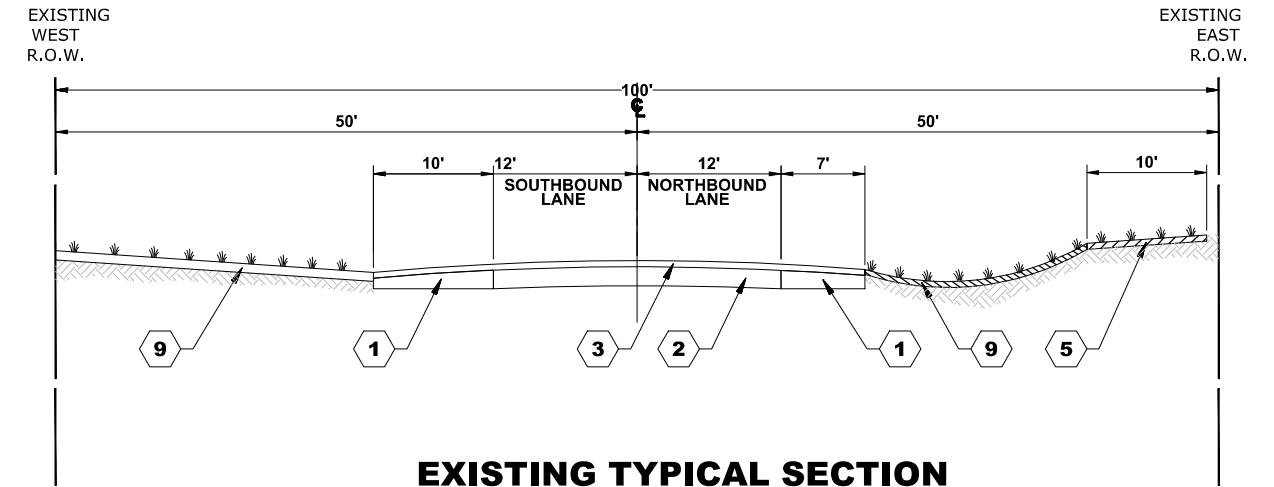
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	13
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

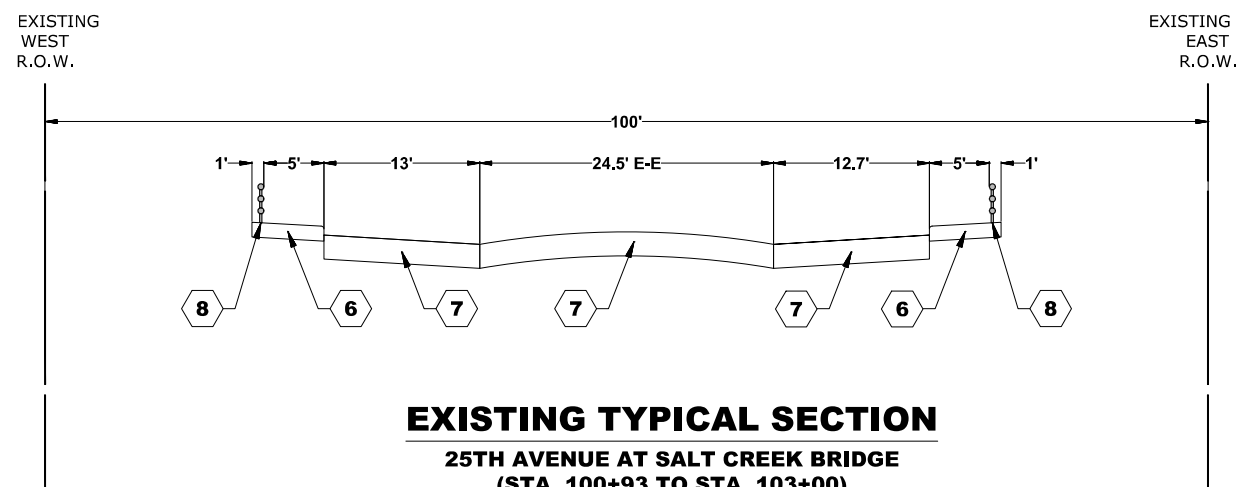
E.H.E. PROJECT NO. 120-23-26801



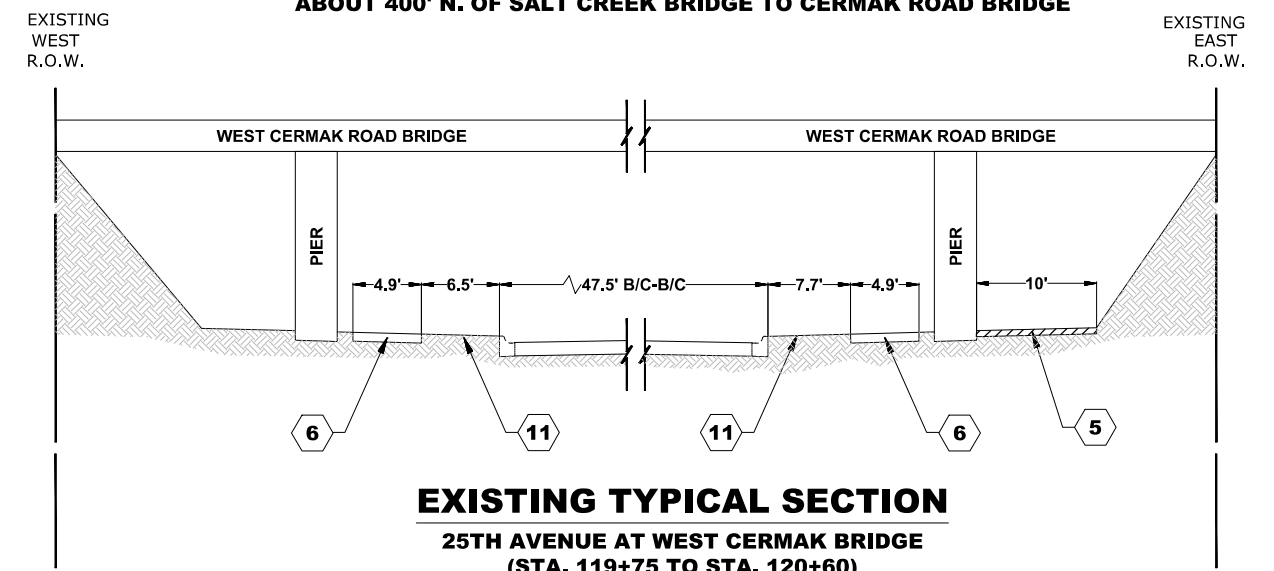
**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 96+40 TO STA. 100+93)  
 ABOUT 450' S. OF SALT CREEK BRIDGE TO SALT CREEK BRIDGE



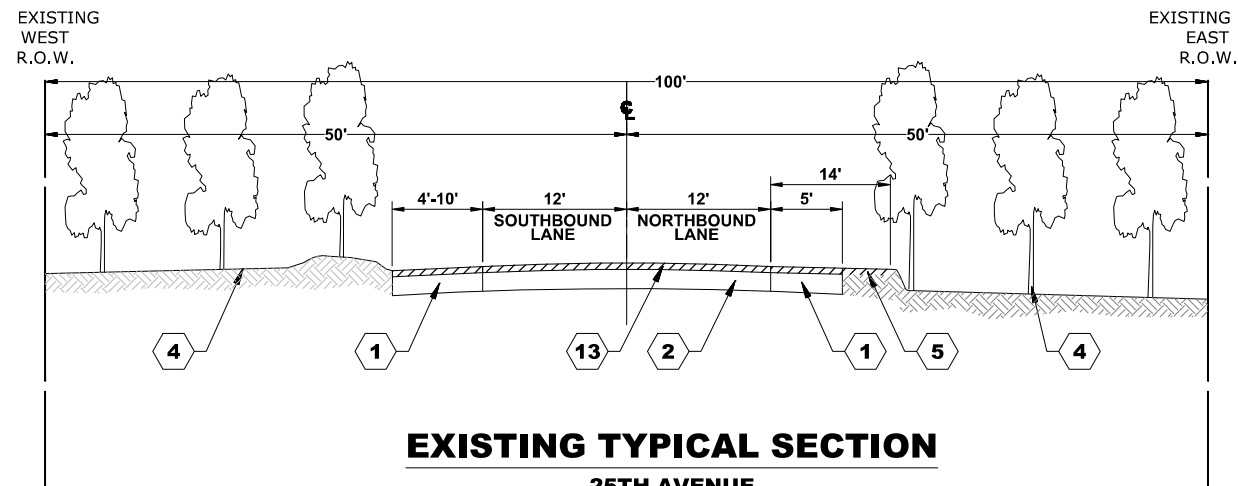
**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 107+25 TO STA. 119+75)  
 ABOUT 400' N. OF SALT CREEK BRIDGE TO CERMAK ROAD BRIDGE



**EXISTING TYPICAL SECTION**  
**25TH AVENUE AT SALT CREEK BRIDGE**  
 (STA. 100+93 TO STA. 103+00)  
 PROPOSED SCOPE OF BRIDGE WORK:  
 PAVEMENT MARKING IMPROVEMENTS AND FLEXIBLE DELINEATOR INSTALLATION



**EXISTING TYPICAL SECTION**  
**25TH AVENUE AT WEST CERMAK BRIDGE**  
 (STA. 119+75 TO STA. 120+60)  
 PROPOSED SCOPE OF BRIDGE WORK:  
 WORK WILL NOT BE REQUIRED ON BRIDGE



**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 103+00 TO STA. 107+25)  
 SALT CREEK BRIDGE TO ABOUT 400' N. OF SALT CREEK BRIDGE

**TYPICAL SECTION LEGEND**

- EXISTING**
- 1 HOT-MIX ASPHALT SHOULDER, 8"
  - 2 PORTLAND CEMENT CONCRETE BASE, 9"
  - 3 HOT-MIX ASPHALT, 2.5"
  - 4 TREES AND VEGETATION
  - 5 REMOVAL FOR SHARED USE PATH (EARTH EXCAVATION)
  - 6 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
  - 7 PORTLAND CEMENT CONCRETE PAVEMENT, 9"
  - 8 RAILING
  - 9 GRASS PARKWAY
  - 10 HOT-MIX ASPHALT PARKWAY
  - 11 AGGREGATE PARKWAY
  - 12 COMBINATION CURB AND GUTTER (TYPE B-6.12)
  - 13 HOT-MIX ASPHALT SURFACE REMOVAL, 3.25"
- ▨ ITEMS TO BE REMOVED

Drawing file: W:\projects\_by\_village\roadview\2023268 - 25th avenue shared-use path phase II\Typ\_Sections.dwg Jul 17, 2024 - 10:50am

**HANCOCK ENGINEERING**  
 18th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-846-0900  
 www.hancock.com

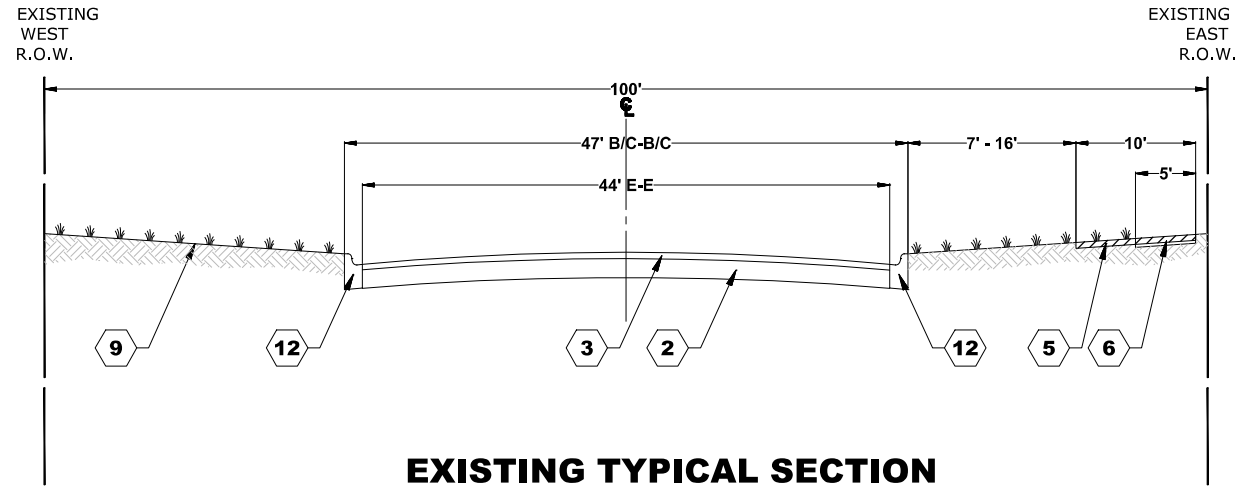
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

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

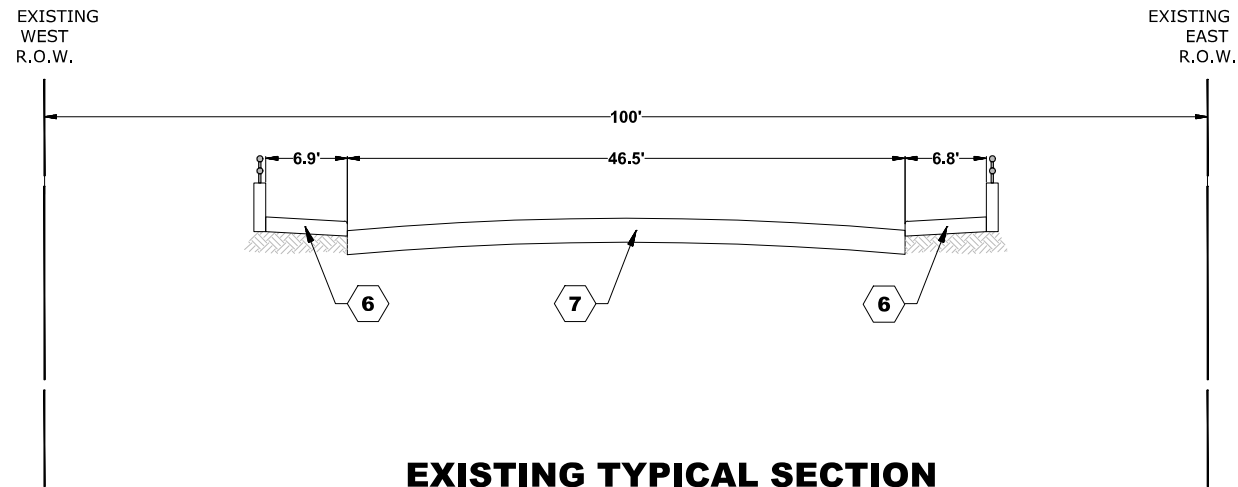
<b>TYPICAL SECTIONS</b>	
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	14
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

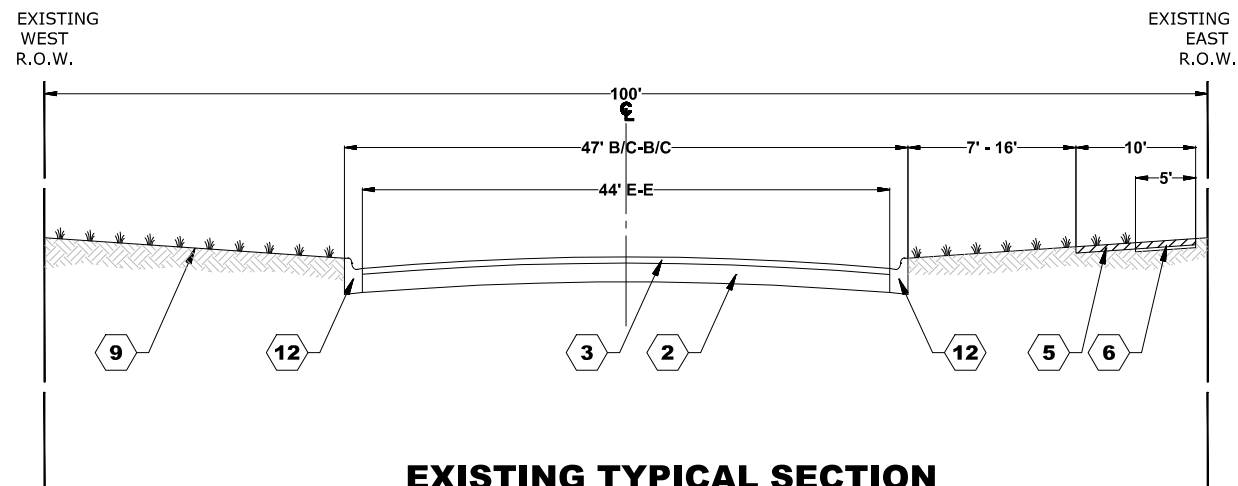
E.H.E. PROJECT NO. 120-23-26801



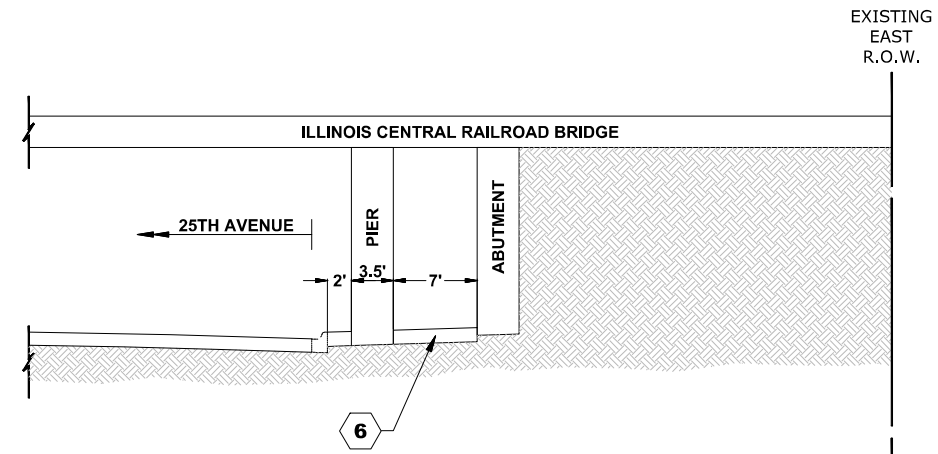
**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 120+60 TO STA. 151+40)  
 CERMAK ROAD BRIDGE TO ADDISON CREEK BRIDGE



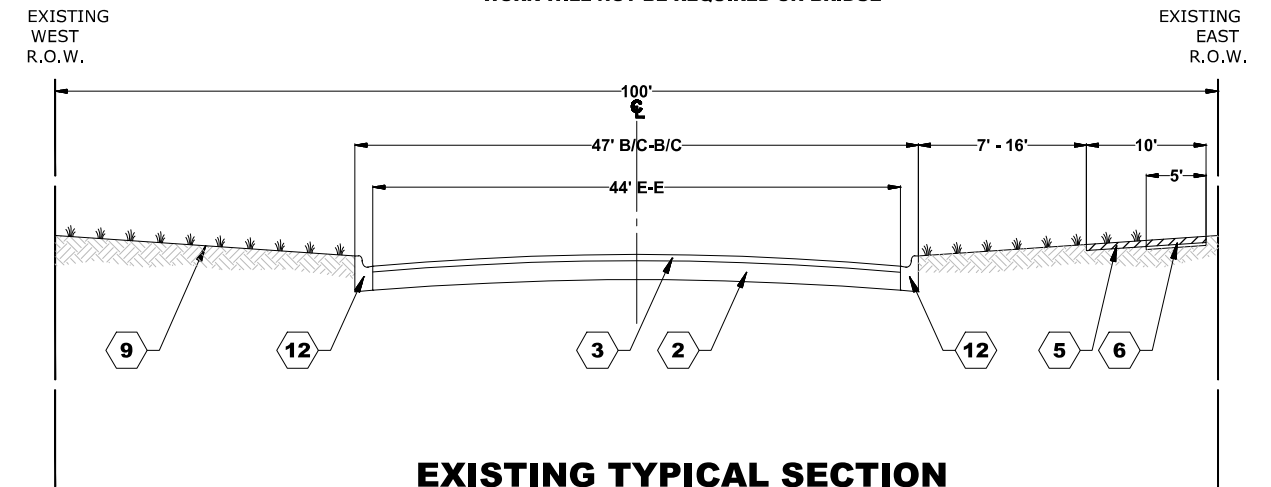
**EXISTING TYPICAL SECTION**  
**25TH AVENUE AT ADDISON CREEK BRIDGE**  
 (STA. 151+40 TO STA. 153+95)  
 PROPOSED SCOPE OF BRIDGE WORK:  
 WORK WILL NOT BE REQUIRED ON BRIDGE



**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 153+95 TO STA. 157+73)  
 ADDISON CREEK BRIDGE TO ILLINOIS CENTRAL RAILROAD BRIDGE



**EXISTING TYPICAL SECTION**  
**25TH AVENUE AT ILLINOIS CENTRAL RAILROAD BRIDGE**  
 (STA. 157+73 TO STA. 158+31)  
 PROPOSED SCOPE OF BRIDGE WORK:  
 WORK WILL NOT BE REQUIRED ON BRIDGE



**EXISTING TYPICAL SECTION**  
**25TH AVENUE**  
 (STA. 158+31 TO STA. 159+86)  
 ILLINOIS CENTRAL RAILROAD BRIDGE TO 14TH STREET

**TYPICAL SECTION LEGEND**

**EXISTING**

- 1 HOT-MIX ASPHALT SHOULDER, 8"
- 8 RAILING
- 2 PORTLAND CEMENT CONCRETE BASE, 9"
- 9 GRASS PARKWAY
- 3 HOT-MIX ASPHALT, 2.5"
- 10 HOT-MIX ASPHALT PARKWAY
- 4 TREES AND VEGETATION
- 11 AGGREGATE PARKWAY
- 5 REMOVAL FOR SHARED USE PATH (EARTH EXCAVATION)
- 12 COMBINATION CURB AND GUTTER (TYPE B-6.12)
- 6 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 13 HOT-MIX ASPHALT SURFACE REMOVAL, 3.25"
- 7 PORTLAND CEMENT CONCRETE PAVEMENT, 9"

ITEMS TO BE REMOVED

Drawing file: W:\Projects\_by\_village\broasview\2023268 - 25th avenue shared-use path phase II\Typ\_Sections.dwg Jul 17, 2024 - 10:50am

**HANCOCK ENGINEERING**  
 100+ Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-646-0300  
 www.hancock.com

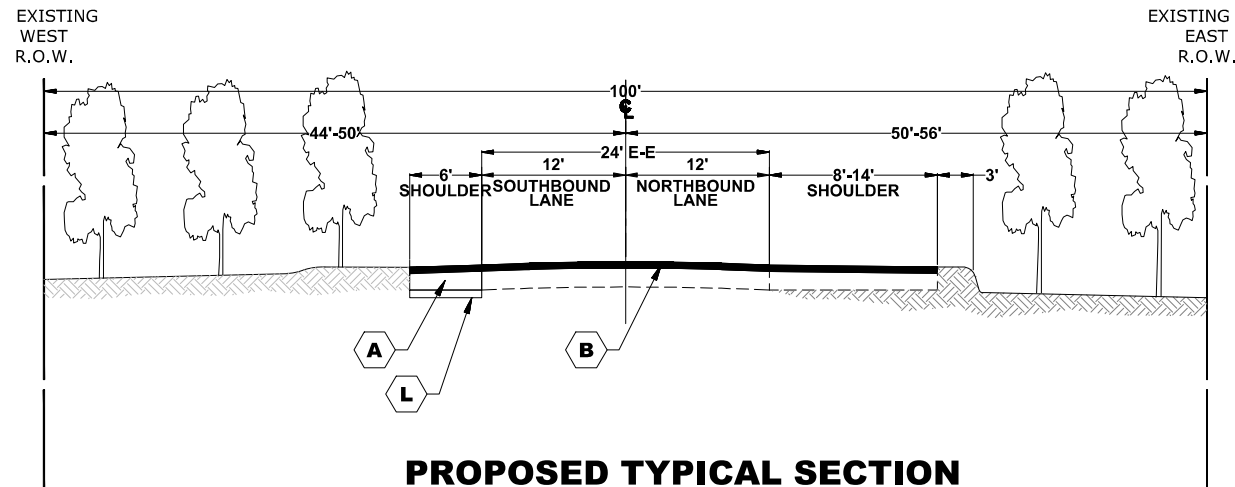
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

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

<b>TYPICAL SECTIONS</b>	
SCALE: NONE	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

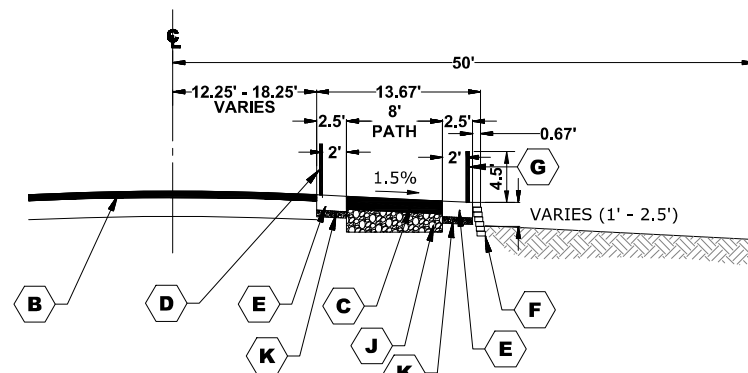
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	15
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



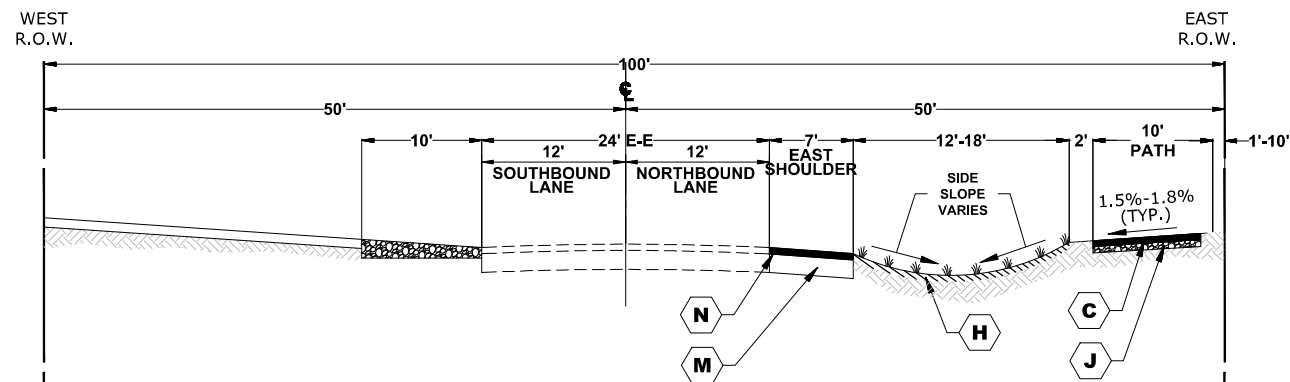
**PROPOSED TYPICAL SECTION**

**25TH AVENUE**  
 (STA. 96+40 TO STA. 106+50)  
 ABOUT 450' S. OF SALT CREEK BRIDGE TO ABOUT 50' N. OF SALT CREEK BRIDGE  
 OMISSION STATIONS  
 (STA. 100+93 TO STA. 103+00)



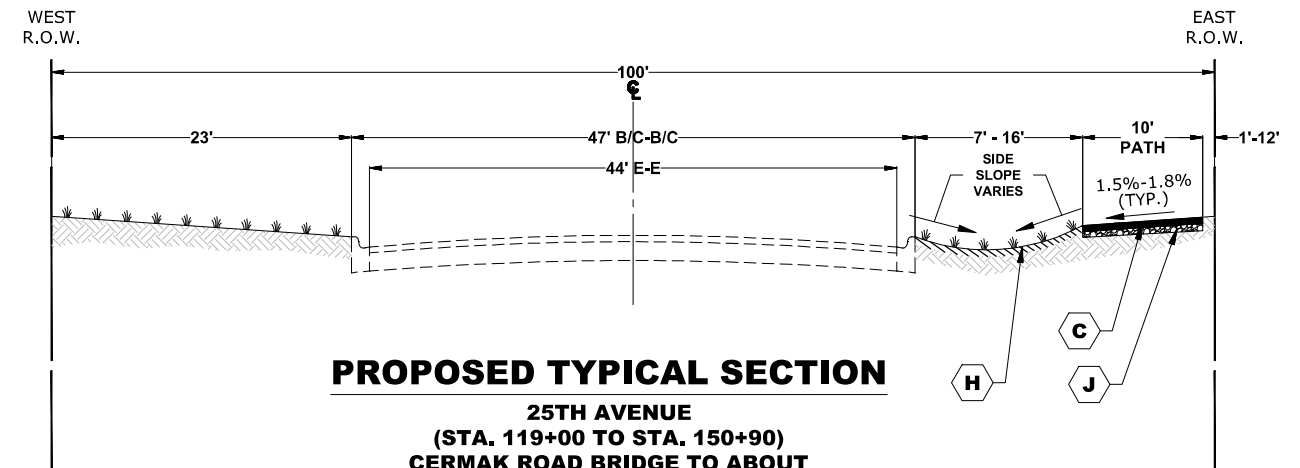
**PROPOSED TYPICAL SECTION**

**25TH AVENUE**  
 (STA. 103+20 TO STA. 107+25)  
 ABOUT 20' N. OF SALT CREEK BRIDGE TO ABOUT 400' N. OF SALT CREEK BRIDGE



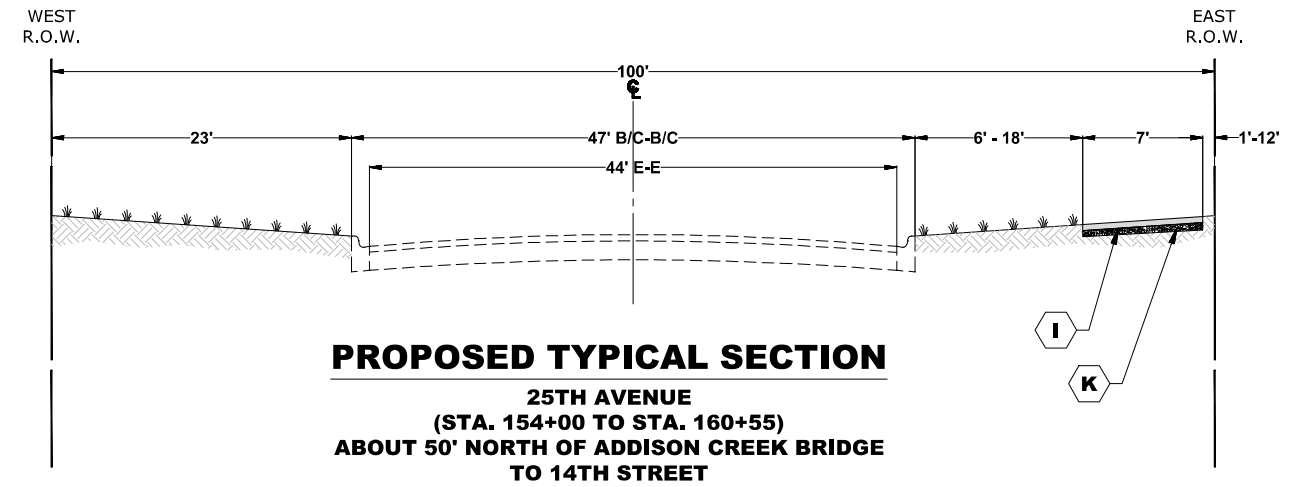
**PROPOSED TYPICAL SECTION**

**25TH AVENUE**  
 (STA. 107+25 TO STA. 119+00)  
 ABOUT 400' N. OF SALT CREEK BRIDGE TO CERMAK ROAD BRIDGE



**PROPOSED TYPICAL SECTION**

**25TH AVENUE**  
 (STA. 119+00 TO STA. 150+90)  
 CERMAK ROAD BRIDGE TO ABOUT  
 100' SOUTH OF ADDISON CREEK BRIDGE



**PROPOSED TYPICAL SECTION**

**25TH AVENUE**  
 (STA. 154+00 TO STA. 160+55)  
 ABOUT 50' NORTH OF ADDISON CREEK BRIDGE  
 TO 14TH STREET

**TYPICAL SECTION LEGEND**

- PROPOSED**
- A** PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 5"
  - B** PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX E, N70, 1.75"  
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"
  - C** PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN TWO LIFTS)
  - D** PROPOSED BACKSIDE PROTECTION OF GUARDRAIL
  - E** PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 8"
  - F** PROPOSED SEGMENTAL CONCRETE BLOCK WALL, 1' - 2.5' HEIGHT
  - G** PROPOSED BICYCLE RAILING
  - H** PROPOSED REGRADING OF GRASS DITCHES IN PARKWAY
  - I** PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
  - J** AGGREGATE BASE COURSE, TYPE B, 9"
  - K** AGGREGATE BASE COURSE, TYPE B, 4" \*
  - L** AGGREGATE BASE COURSE, TYPE B, 4"
  - M** PORTLAND CEMENT CONCRETE BASE COURSE 9"
  - N** HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 2"
- \* INCIDENTAL TO PAY ITEM

HOT-MIX ASPHALT MIXTURE REQUIREMENT		
ITEM	AIR VOIDS @ Ndes	QMP
<b>PAVEMENT WIDENING</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75	4.0% @ 70 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"	4.0% @ 70 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 5"	4.0% @ 70 Gyr	LR 1030-2
<b>PAVEMENT RESURFACING</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75	4.0% @ 70 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"	4.0% @ 70 Gyr	LR 1030-2
<b>INCIDENTAL HOT-MIX ASPHALT SURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 2"	4.0% @ 50 Gyr	LR 1030-2
<b>SHARED USE PATH HOT-MIX ASPHALT SURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 3" (IN TWO LIFTS)	4.0% @ 50 Gyr	LR 1030-2
<b>EAST SHOULDER PAVING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 2"	4.0% @ 50 Gyr	LR 1030-2
<b>TEMPORARY PATCHING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 2"	4.0% @ 50 Gyr	LR 1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA): PER LR 1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES = 112 LBS/SQYD/IN.  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

Drawing file: W:\Projects\by\_village\_broadview\2023268 - 25th avenue shared-use path phase II\Typ\_Sections.dwg Jul 17, 2024 - 10:50am

**HANCOCK ENGINEERING**  
 100+ Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-646-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

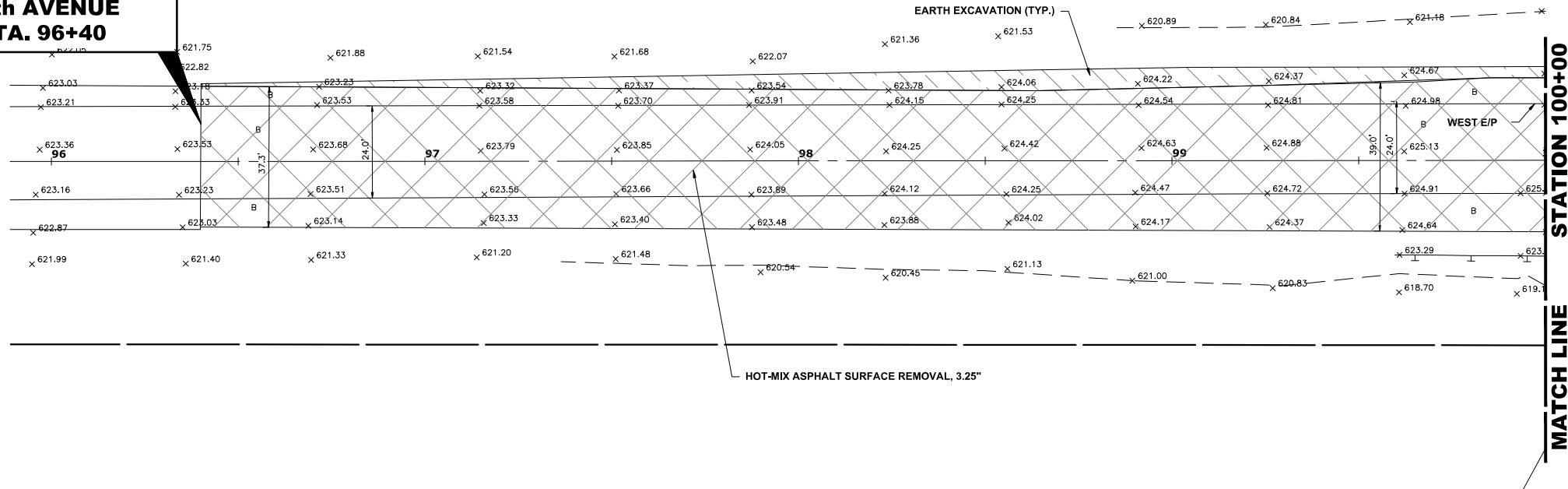
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	16
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

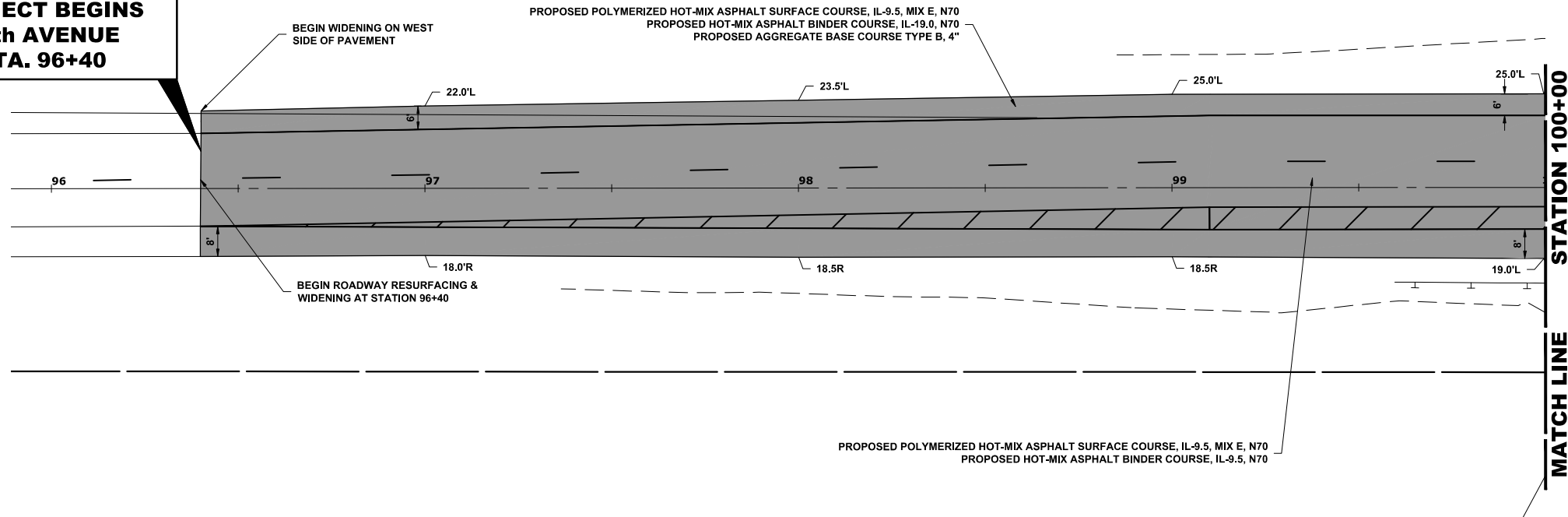


**PROJECT BEGINS  
25th AVENUE  
STA. 96+40**



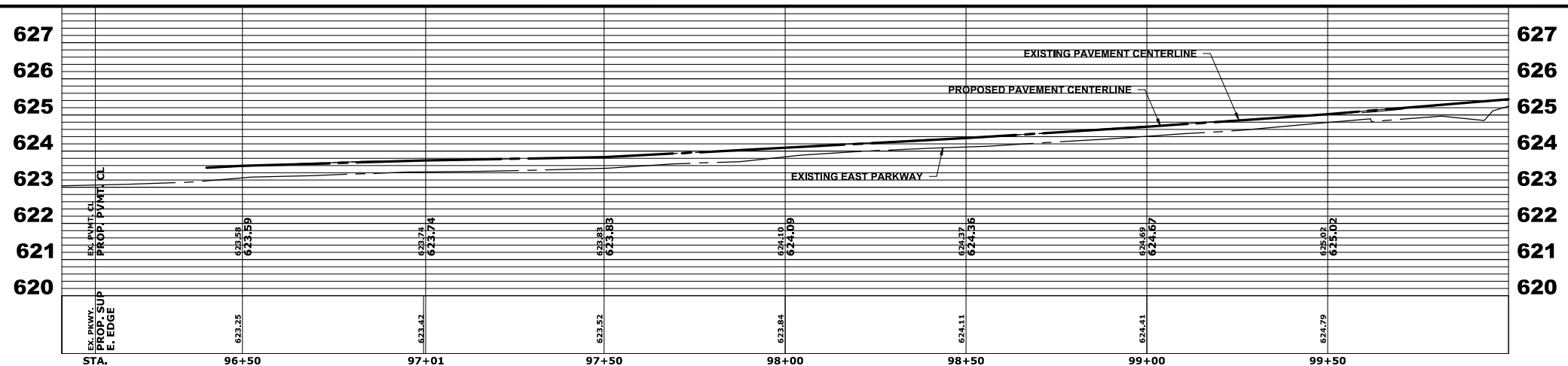
**EXISTING  
TOPOGRAPHY**

**PROJECT BEGINS  
25th AVENUE  
STA. 96+40**



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED  
IMPROVEMENT**



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 ♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
PAVING PLAN AND PROFILE**

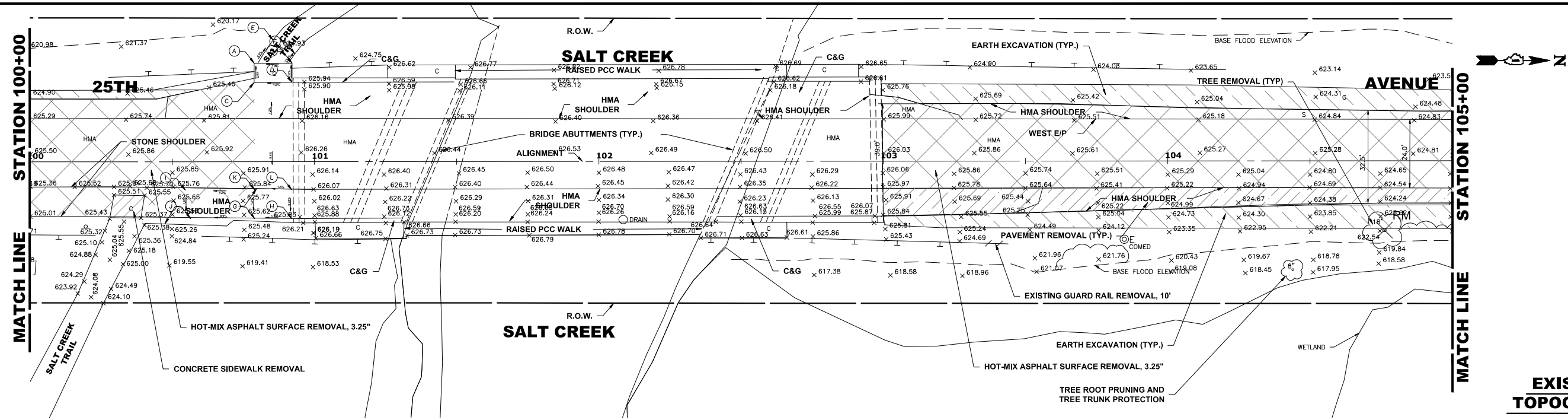
SCALE: H:1"=20'; V:1"=2'

SHEET NO. OF SHEETS STA. 96+00 TO STA. 100+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	17
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

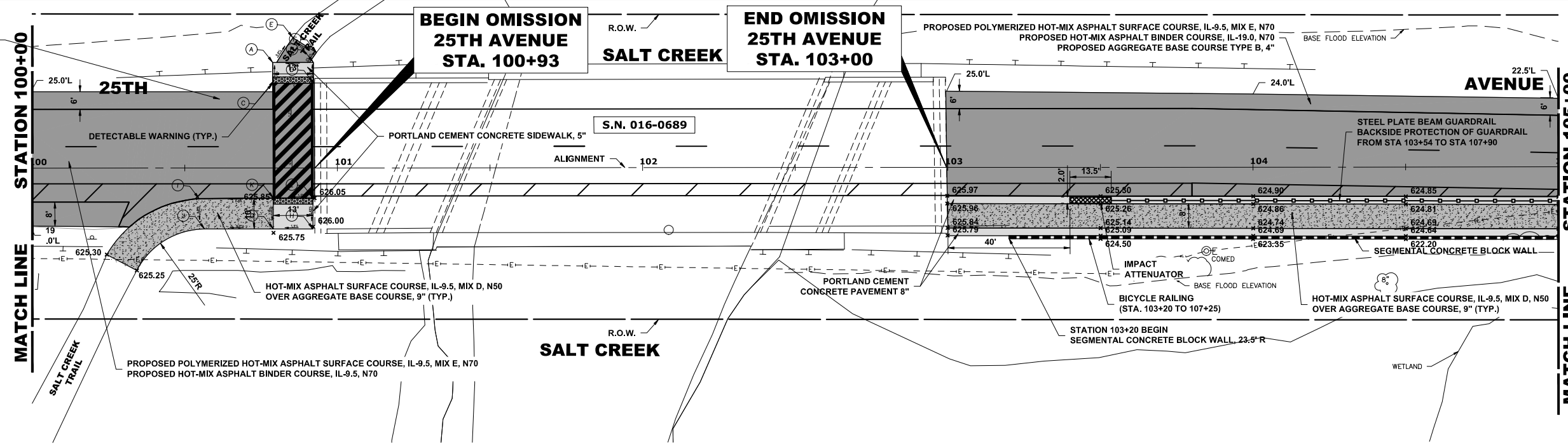
Drawing file: W:\Projects\_by\_Village\Broadview\20232666 - 25th Avenue Shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:53am

E.H.E. PROJECT NO. 120-23-26801



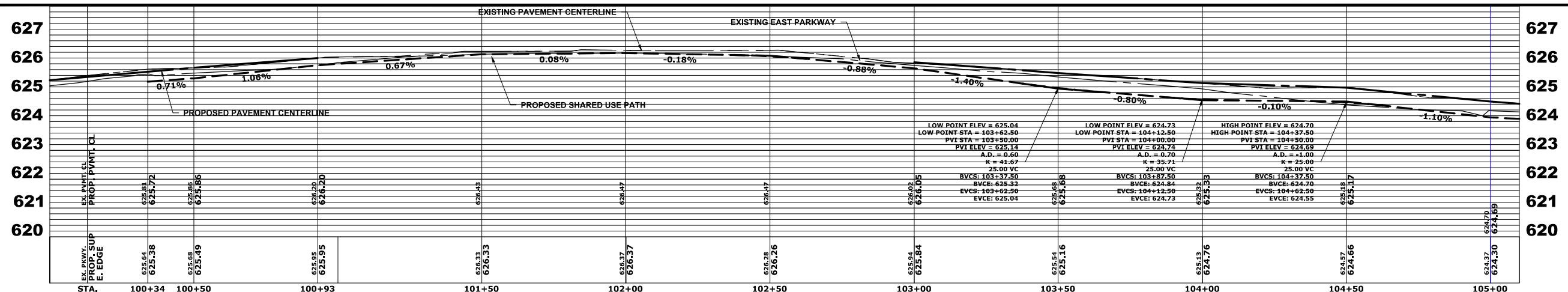
**EXISTING TOPOGRAPHY**

PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX E, N70  
 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
 PROPOSED AGGREGATE BASE COURSE TYPE B, 4"



- NOTE:
- ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED IMPROVEMENT**



Drawing file: W:\projects\_by\_village\brockview\120223266 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:47am



DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

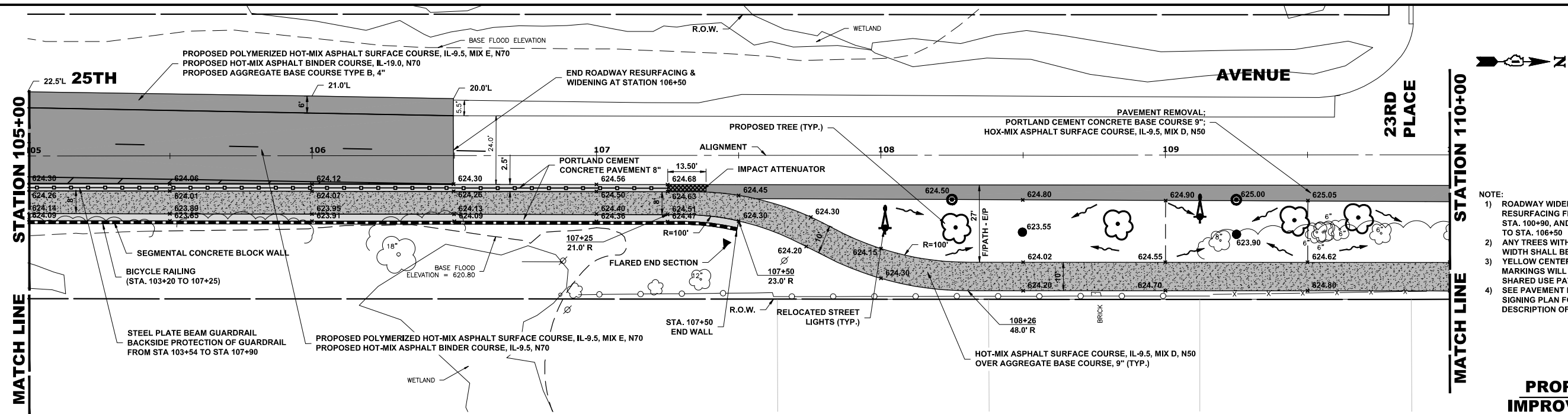
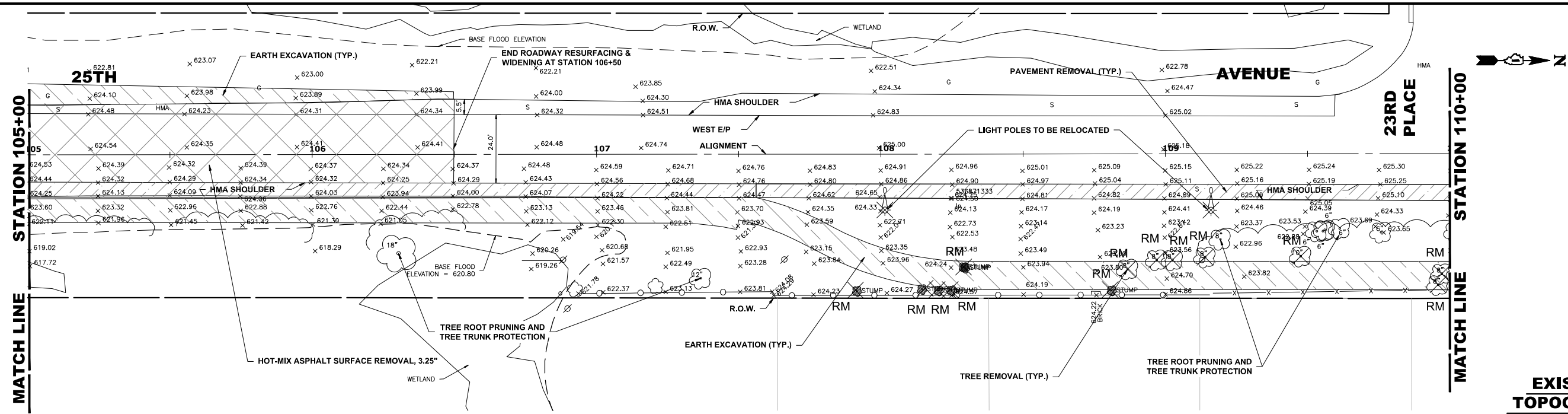
SCALE: H:1"=20', V:1"=2'

SHEET NO. OF SHEETS STA. 100+00 TO STA. 105+00

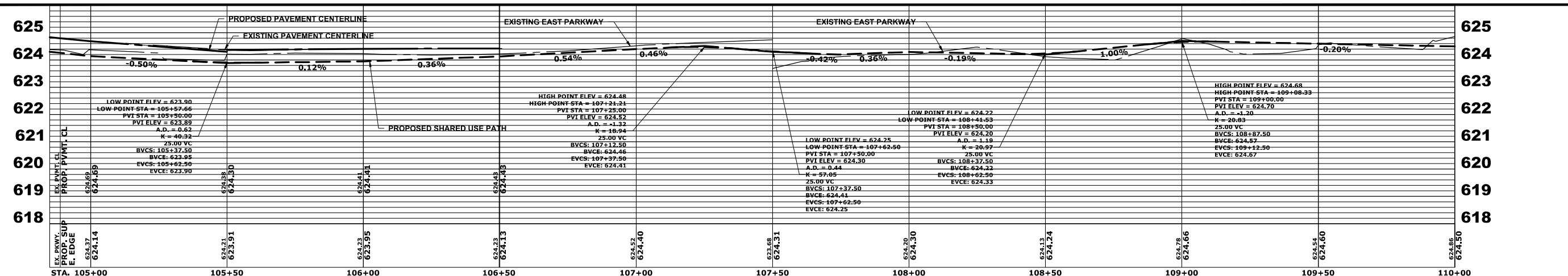
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	18

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

E.H.E. PROJECT NO. 120-23-26801



- NOTE:
- ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\projects\_by\_village\brockview\2023266 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:47am



CIVIL ENGINEERS  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

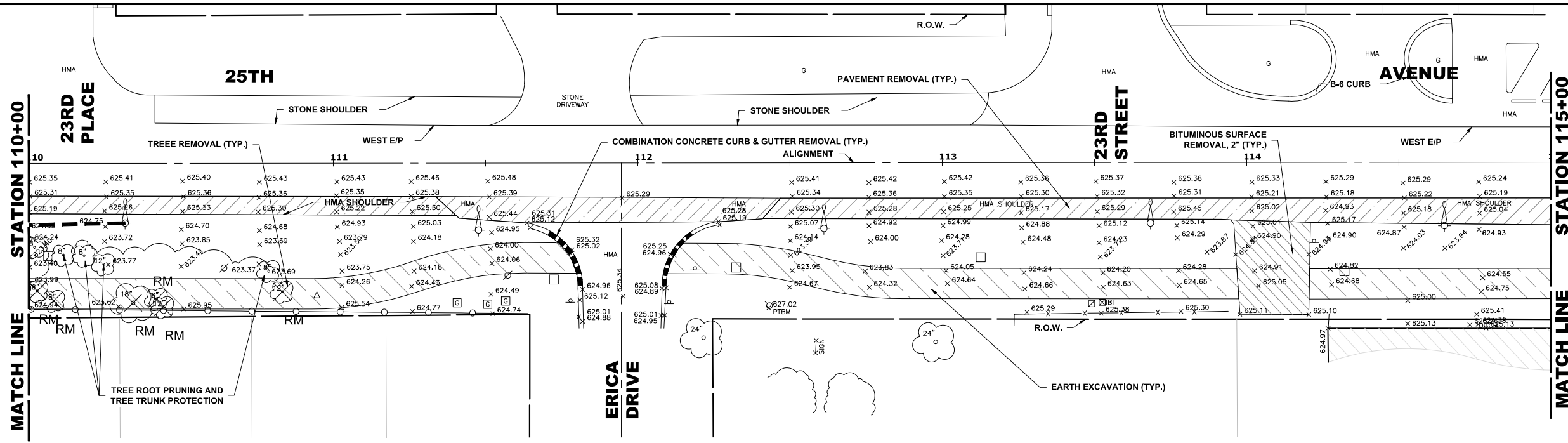
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**25th AVENUE**  
**PAVING PLAN AND PROFILE**

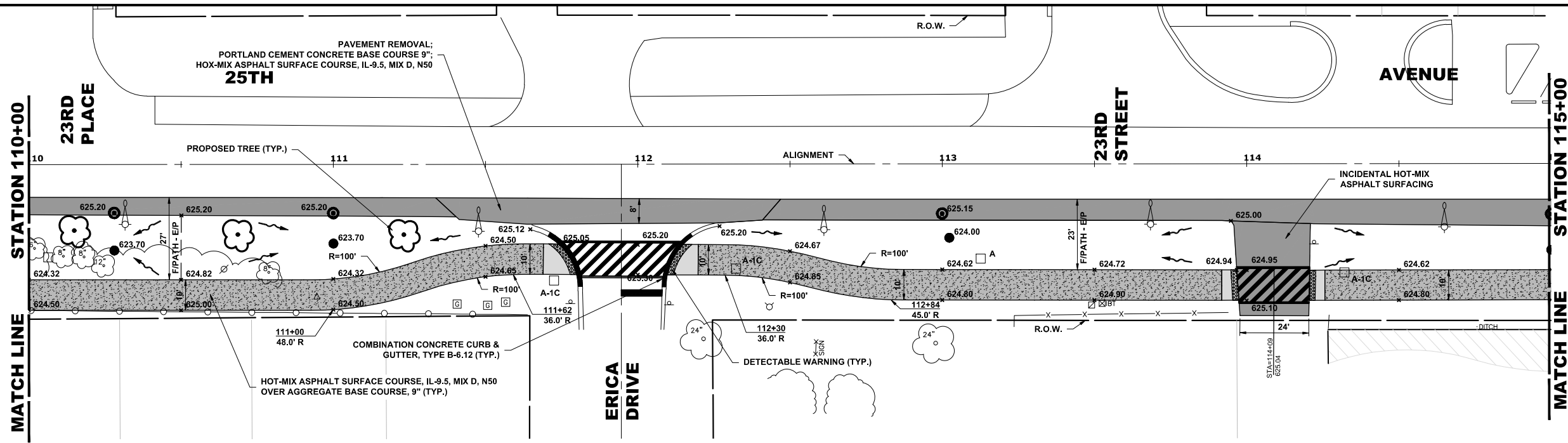
SCALE: H:1"=20', V:1"=2'  
 SHEET NO. OF SHEETS STA. 105+00 TO STA. 110+00

F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 19
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

I.H.E. PROJECT NO. 120-23-26801

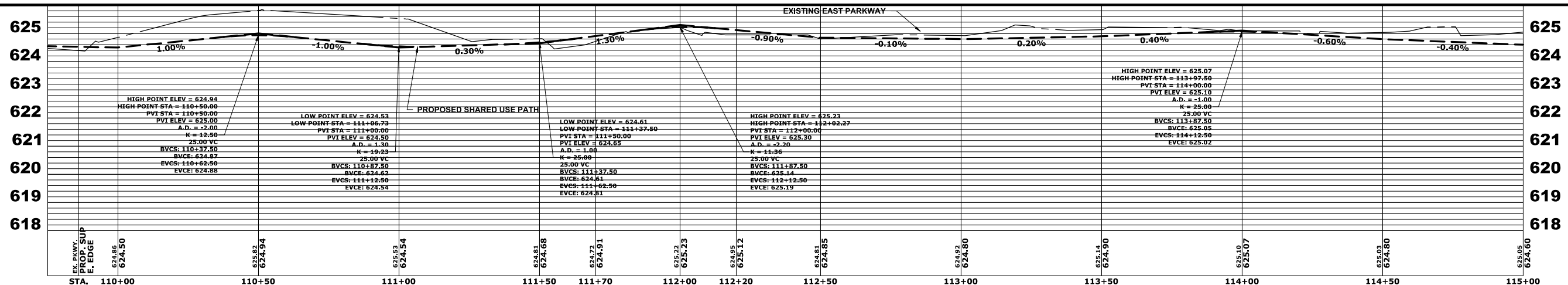


**EXISTING TOPOGRAPHY**



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED IMPROVEMENT**

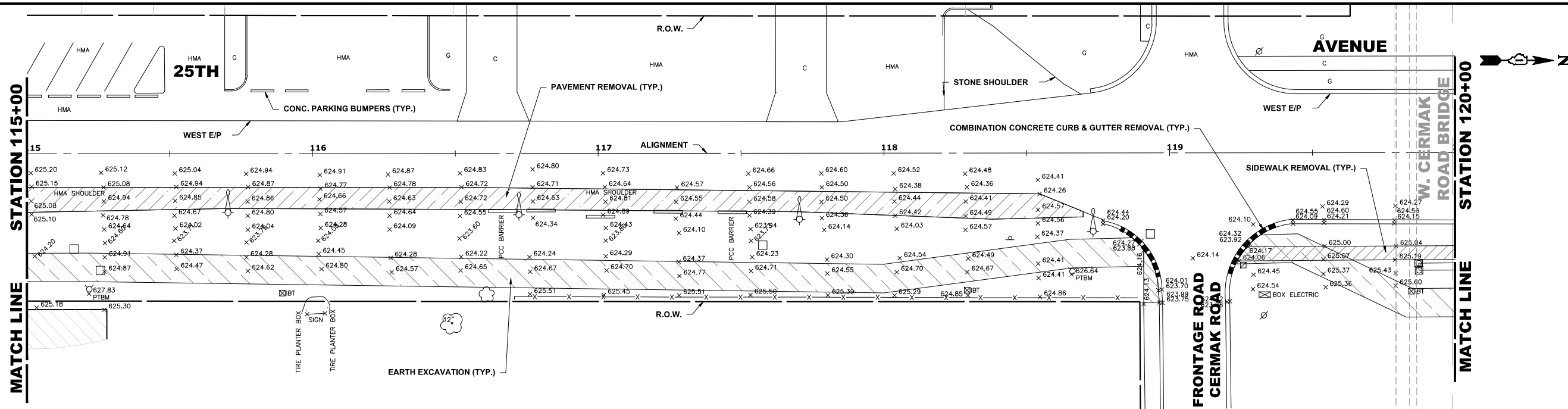


<p>9938 Roosevelt Road Westchester, IL 60184-2780 Phone: 708-865-0900 www.hancock.com</p>	DESIGNED - MWV, AA DRAWN - DMM, SFB, GD CHECKED - JGG DATE - 6-17-24	REVISED - REVISED - REVISED - REVISED - 7-17-24	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>25th AVENUE</b> <b>PAVING PLAN AND PROFILE</b>	F.A.U. RTE. 2714 SECTION 19-00082-00-BT COUNTY COOK TOTAL SHEETS 102 SHEET NO. 20 CONTRACT NO. 61K72 FED. ROAD DIST. NO. 1 ILLINOIS   FED. AID PROJECT
	SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 110+00 TO STA. 115+00				

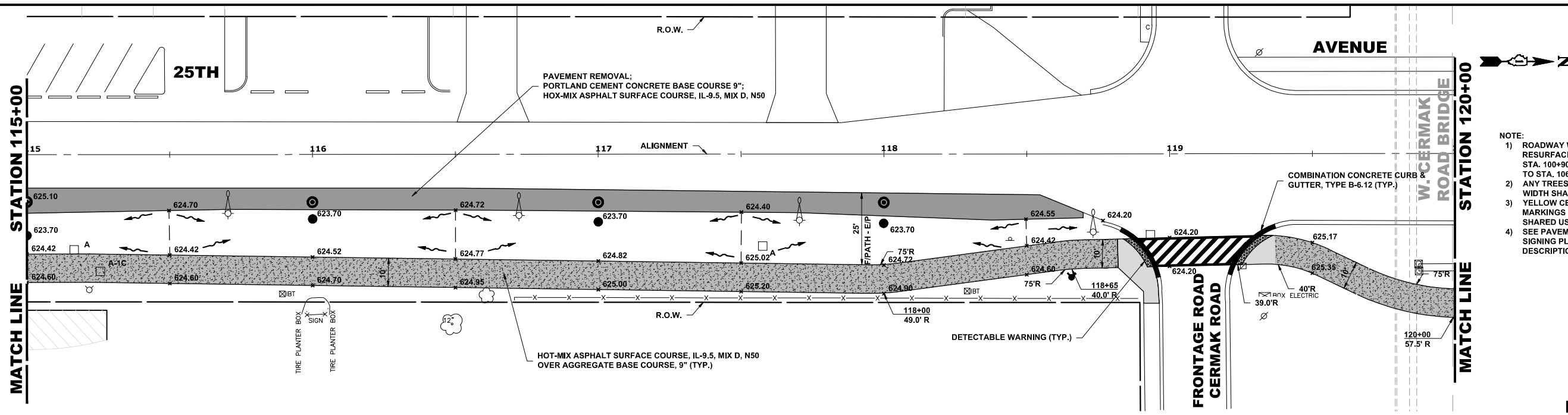
Drawing file: W:\projects\_by\_village\brockview\20222666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:46am

E.H.E. PROJECT NO. 120-23-28801

Drawing file: W:\projects\_by\_village\brockview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:46am

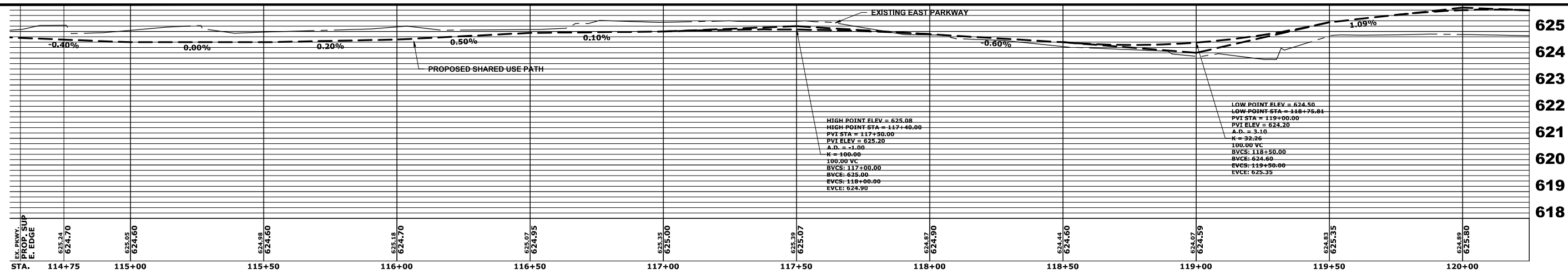


**EXISTING TOPOGRAPHY**



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED IMPROVEMENT**



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

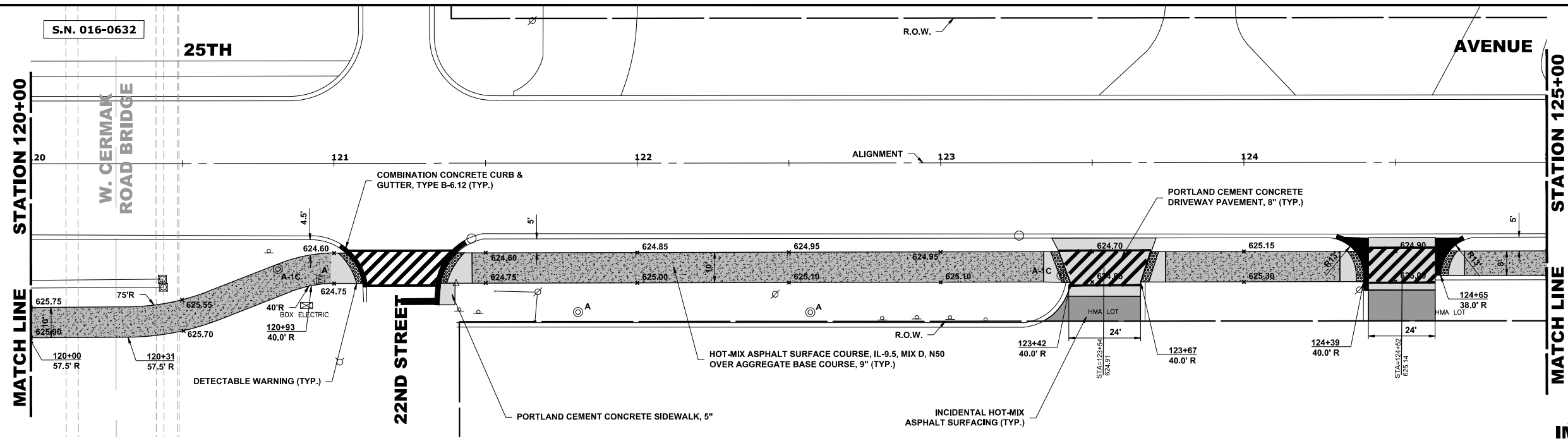
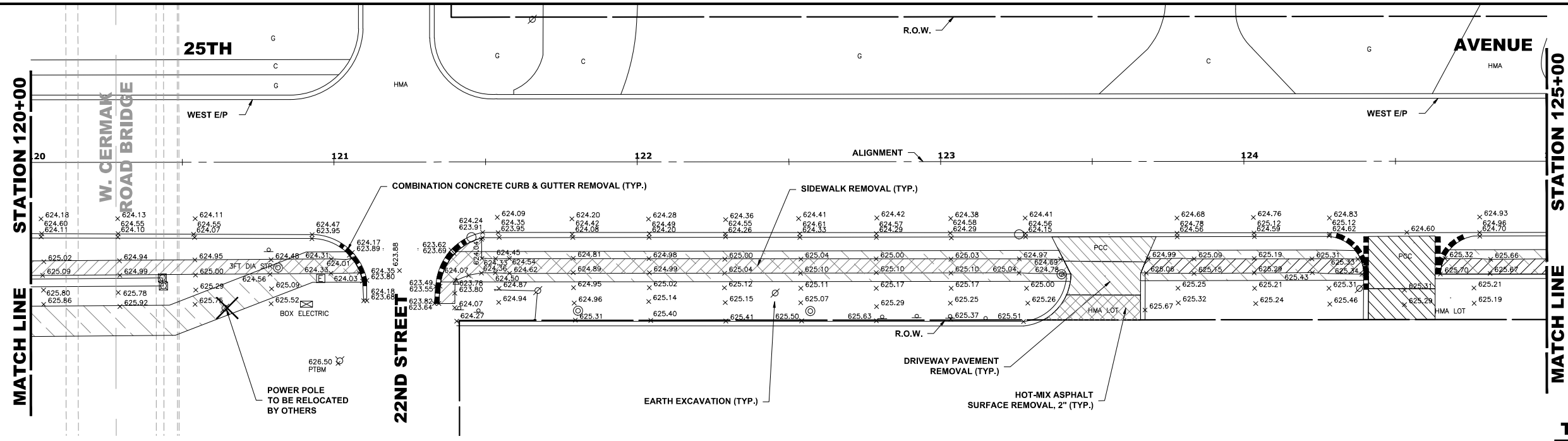
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

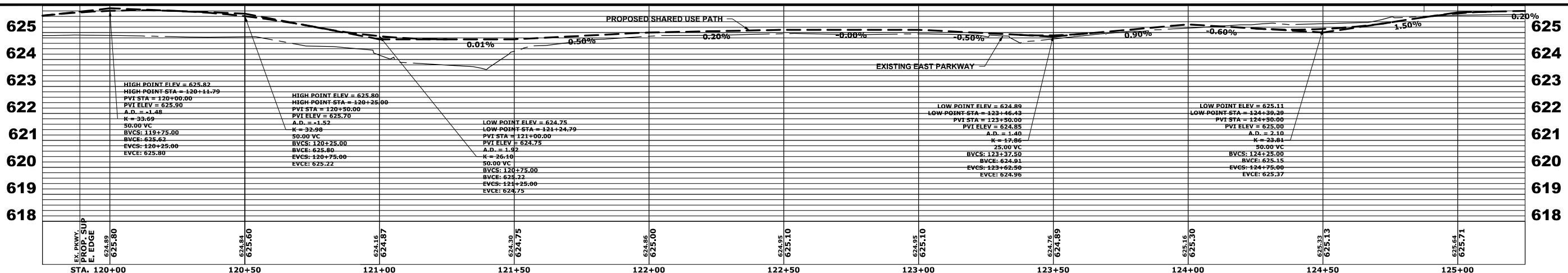
**25th AVENUE  
 PAVING PLAN AND PROFILE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	21
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-28801



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+00, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



STA.	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00
LEV. PROV. PROP. SUP E. EDGE	624.89 625.80	624.84 625.60	624.16 624.87	624.30 624.75	624.86 625.00	624.95 625.10	624.95 625.10	624.76 624.89	625.16 625.30	624.33 625.13	624.64 625.71
HIGH POINT ELEV = 625.82 HIGH POINT STA = 120+11.79 PVI STA = 120+00.00 PVI ELEV = 625.90 A.D. = -1.48 K = 33.69 50.00 VC BVCS: 119+75.00 EVCS: 120+25.00 EVCE: 625.80	HIGH POINT ELEV = 625.80 HIGH POINT STA = 120+25.00 PVI STA = 120+30.00 PVI ELEV = 625.70 A.D. = +1.52 K = 32.98 50.00 VC BVCS: 130+25.00 EVCS: 120+75.00 EVCE: 625.22	LOW POINT ELEV = 624.75 LOW POINT STA = 121+24.79 PVI STA = 121+00.00 PVI ELEV = 624.75 A.D. = 1.92 K = 26.10 50.00 VC BVCS: 119+75.00 EVCS: 121+25.00 EVCE: 624.75	LOW POINT ELEV = 624.89 LOW POINT STA = 123+46.43 PVI STA = 123+50.00 PVI ELEV = 624.85 A.D. = 1.40 K = 17.86 25.00 VC BVCS: 123+37.50 EVCS: 124+91 EVCS: 123+62.50 EVCE: 624.96	LOW POINT ELEV = 625.11 LOW POINT STA = 124+39.29 PVI STA = 124+50.00 PVI ELEV = 625.00 A.D. = 2.10 K = 33.81 50.00 VC BVCS: 124+25.00 EVCS: 125.15 EVCS: 124+75.00 EVCE: 625.37							

**HANCOCK ENGINEERING**  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

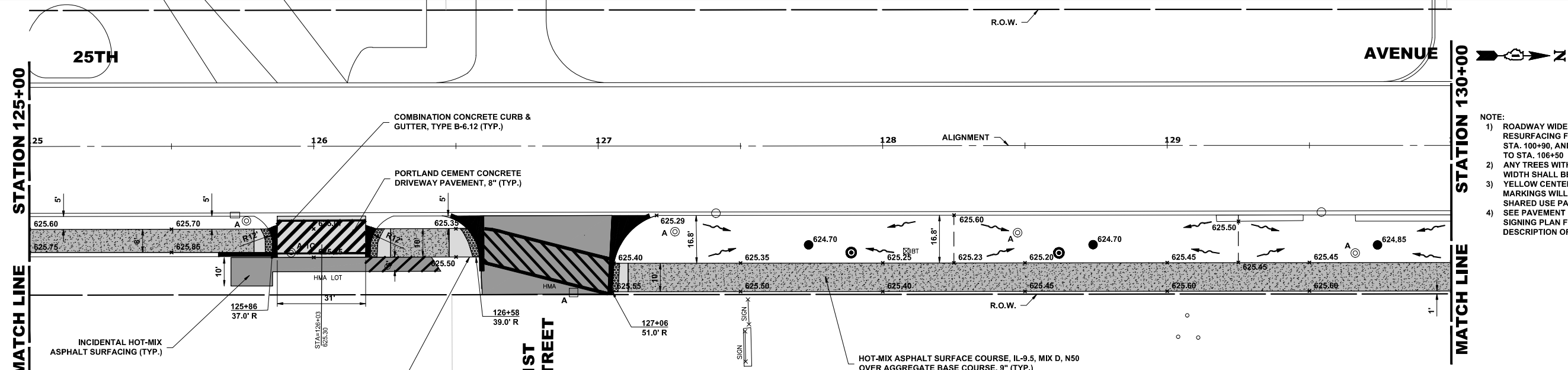
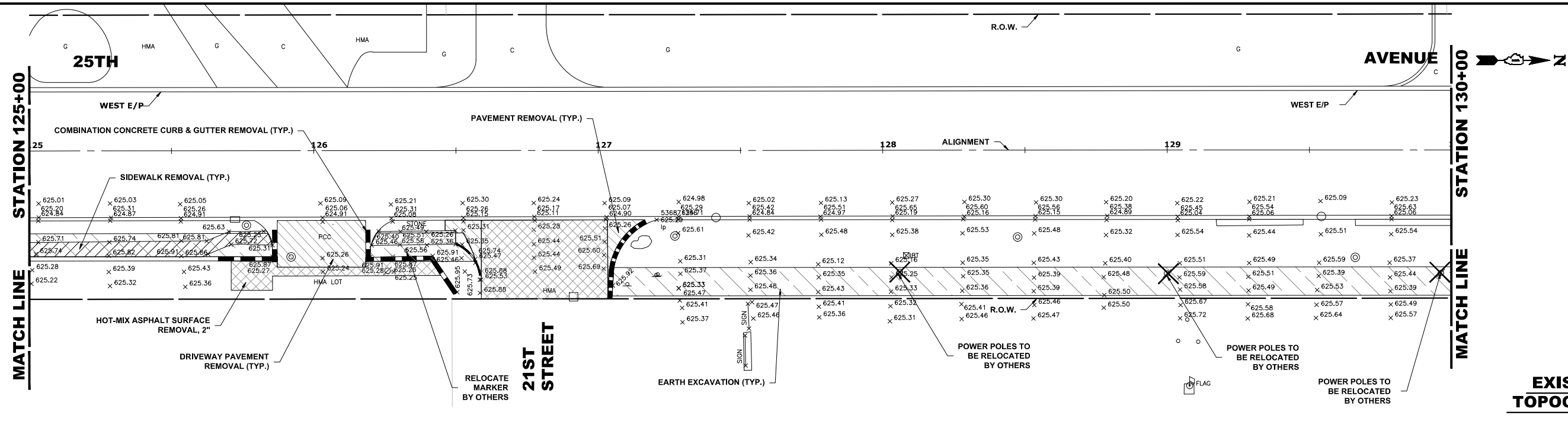
SCALE: H:1"=20'; V:1"=2'

SHEET NO. OF SHEETS STA. 120+00 TO STA. 125+00

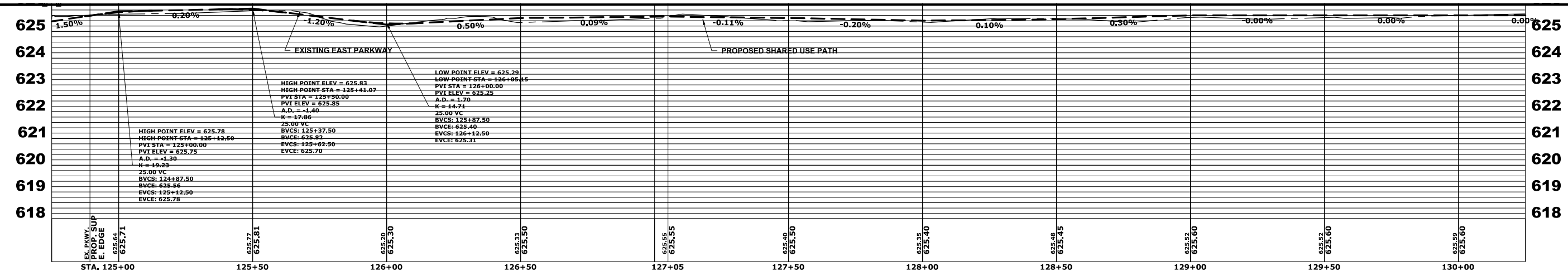
F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 22
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K72 FED. AID PROJECT		

Drawing file: W:\Projects\by\_village\brockview\2023266 - 25th Avenue Shared-use Path Phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:46am

I.H.E. PROJECT NO. 120-23-26801



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\Projects\by\_village\brockview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:46am



CIVIL ENGINEERS  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

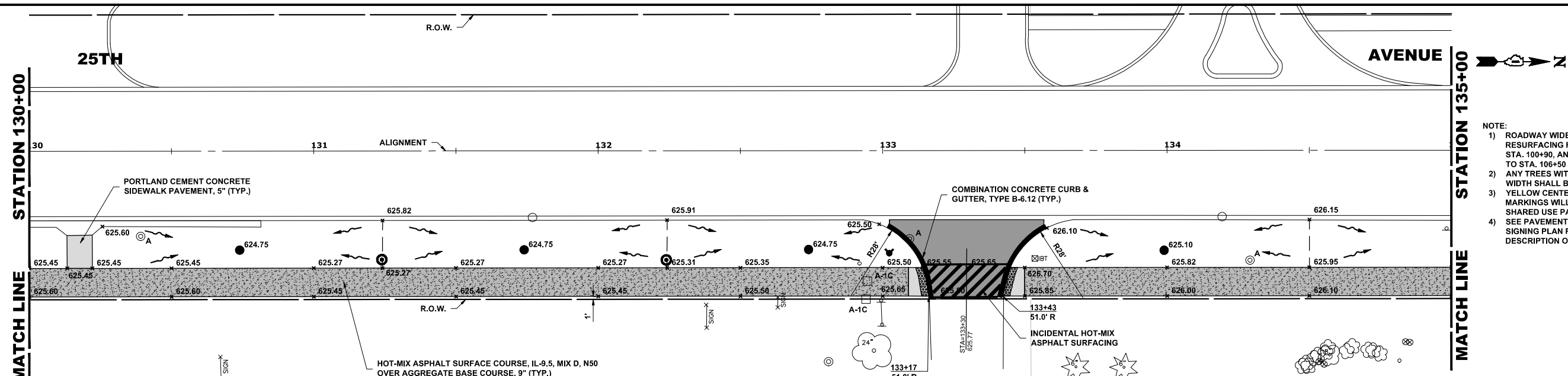
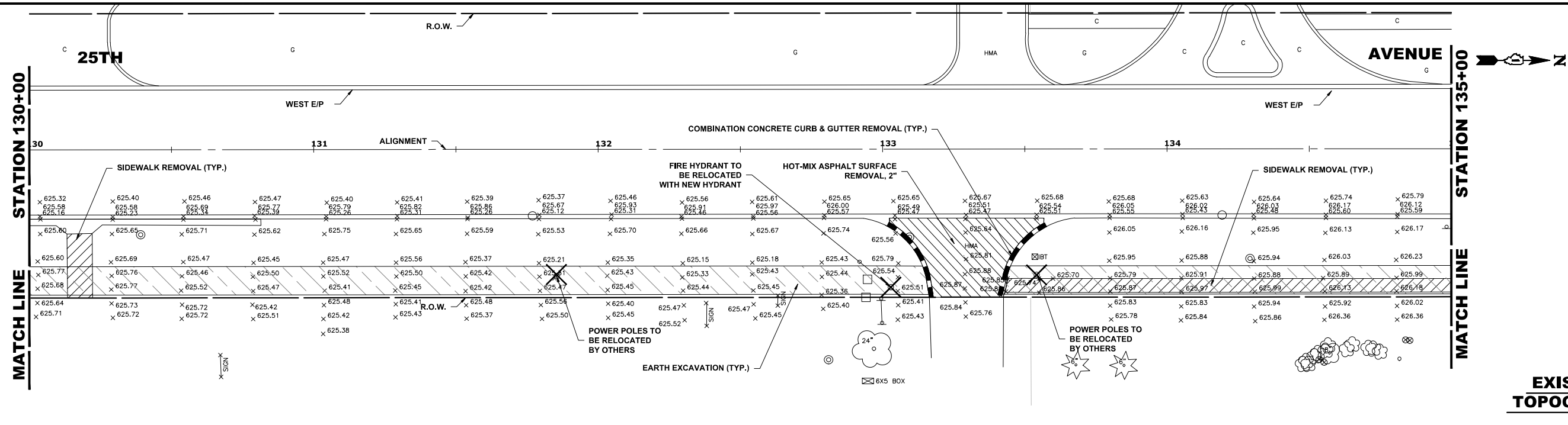
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**25th AVENUE**  
**PAVING PLAN AND PROFILE**

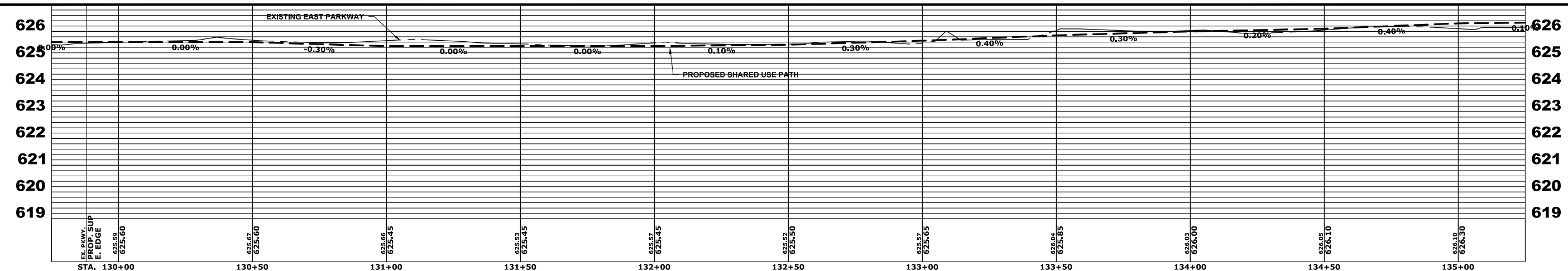
SCALE: H:1"=20', V:1"=2'    SHEET NO.    OF    SHEETS    STA. 125+00    TO STA. 130+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	23
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 61K72		

I.H.E. PROJECT NO. 120-23-26801



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\projects\by\_village\broodview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:49am

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

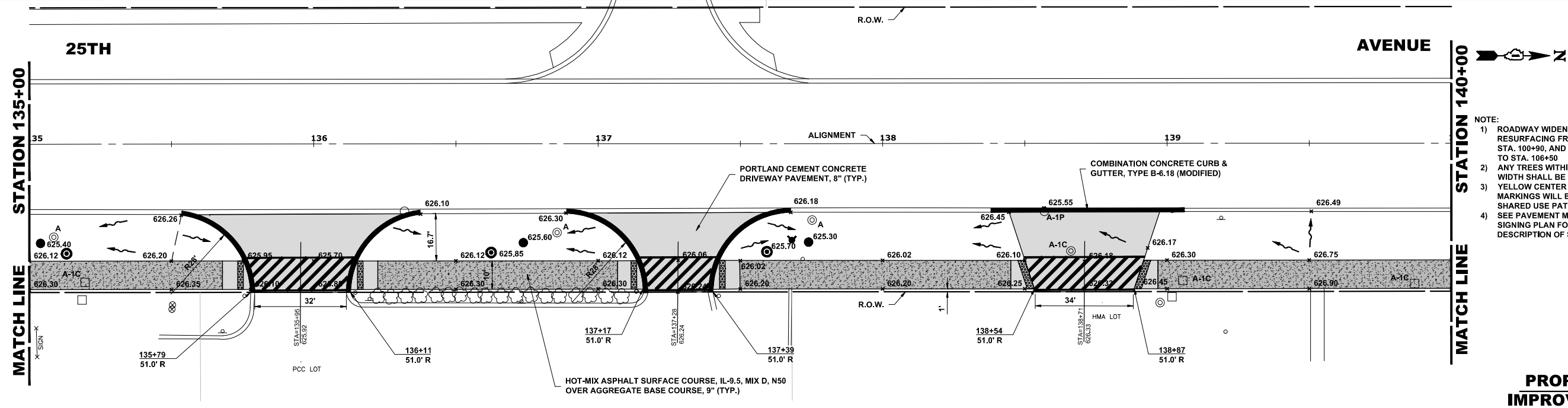
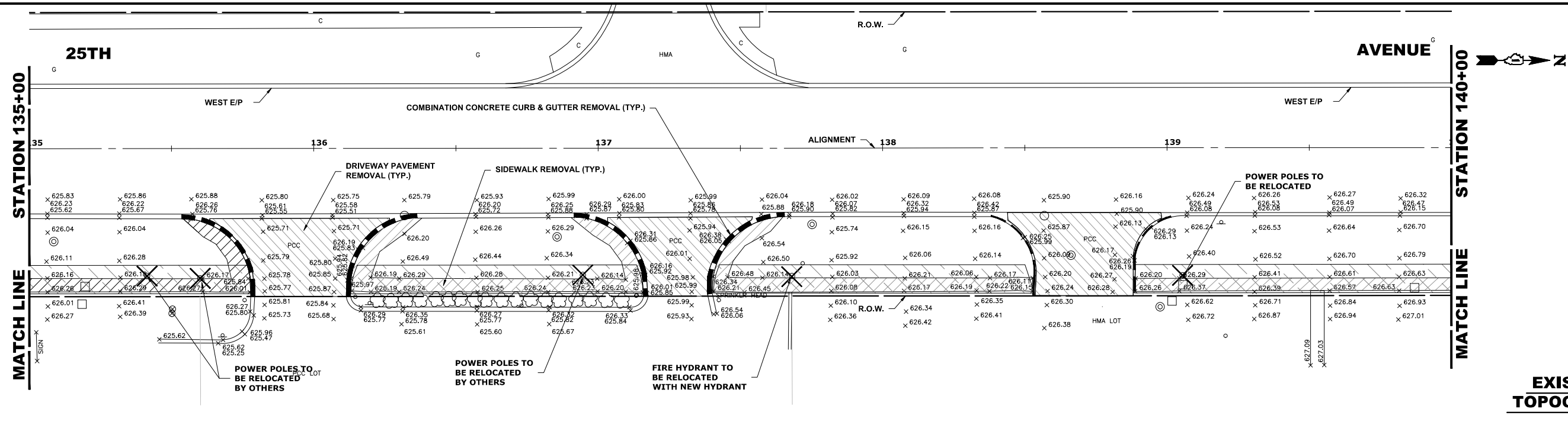
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

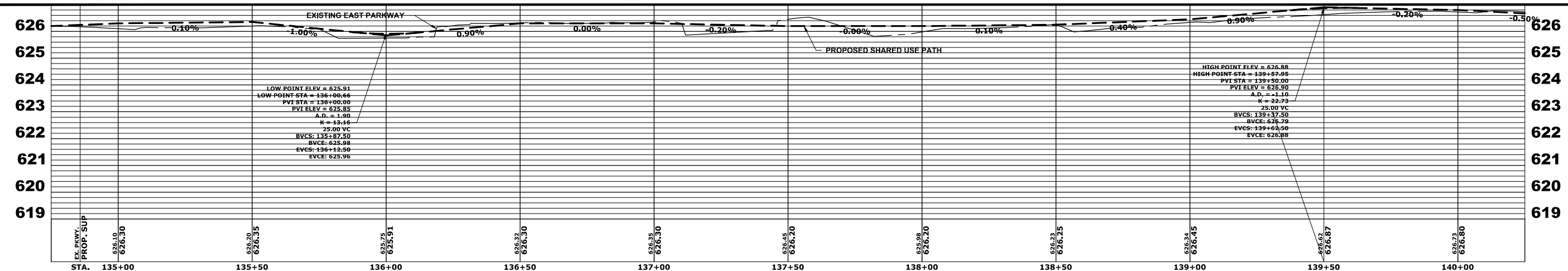
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	24
SCALE: H:1"=20', V:1"=2'		SHEET NO. OF SHEETS		STA. 130+00 TO STA. 135+00
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-28801





- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\Projects\by\_village\broodview\20222266 - 25th avenue shared-use path phase II SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:49am

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

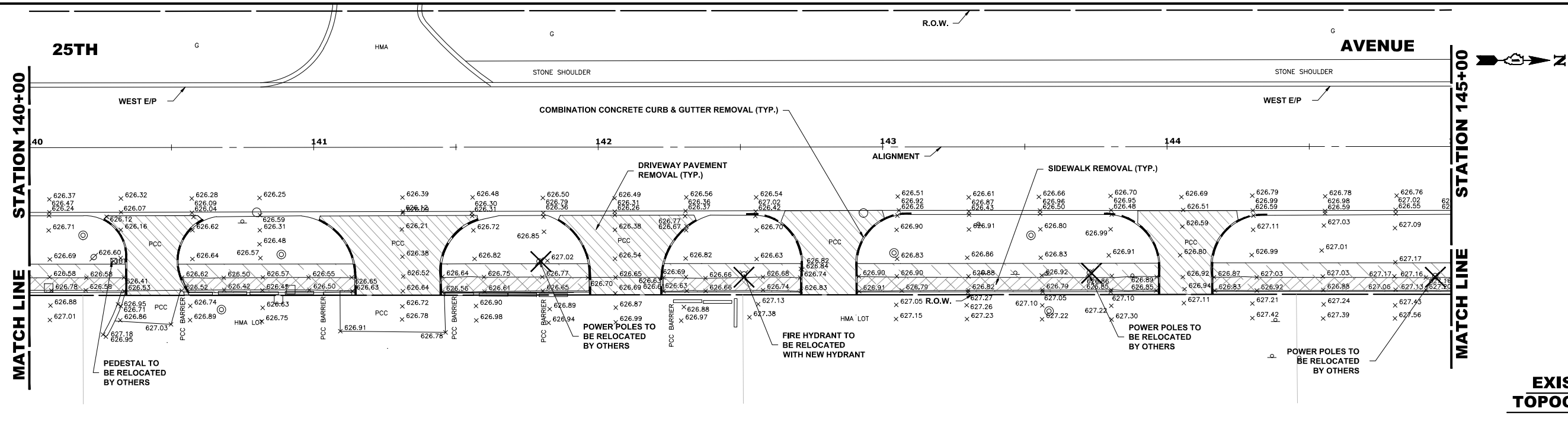
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

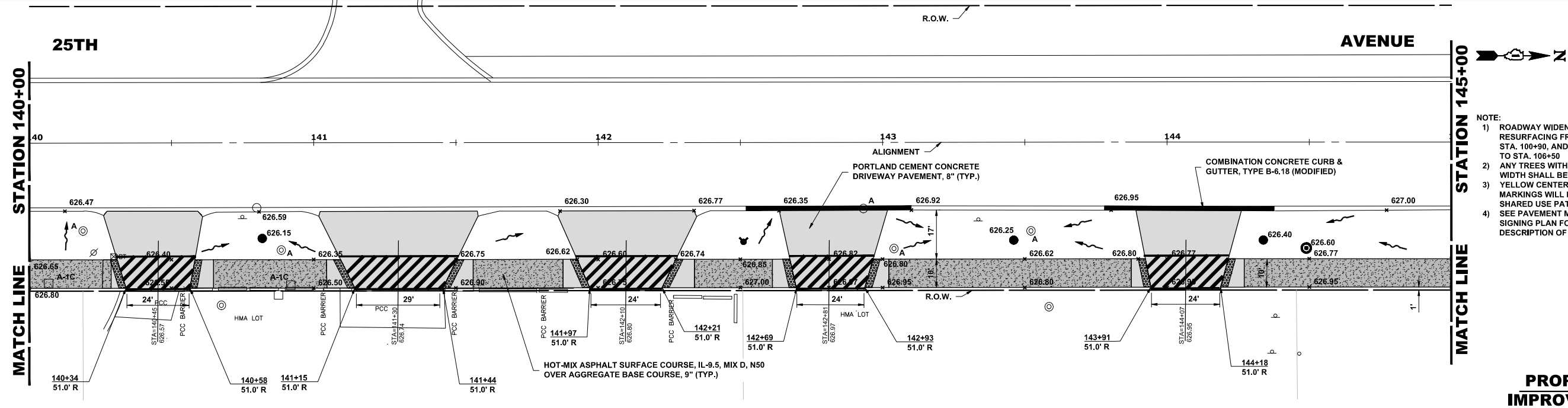
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	25
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

SCALE: H:1"=20'; V:1"=2' SHEET NO. OF SHEETS STA. 135+00 TO STA. 140+00

I.H.E. PROJECT NO. 120-23-28801

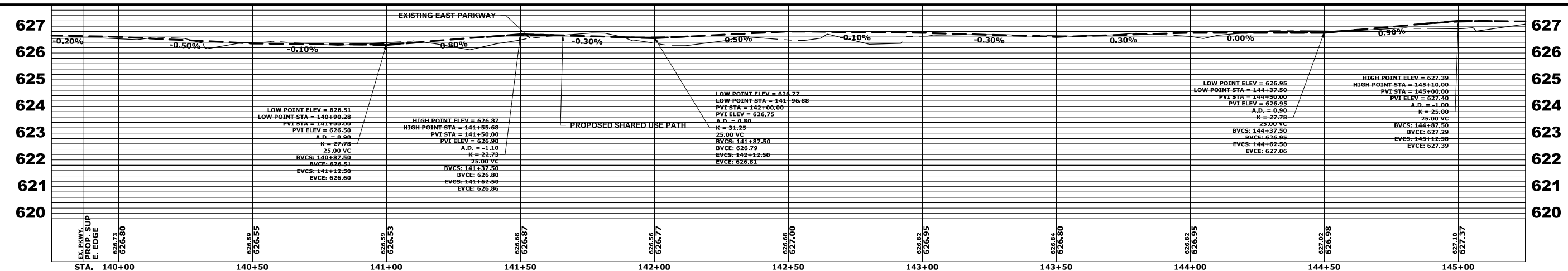


**EXISTING TOPOGRAPHY**



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\brockview\2023266 - 25th Avenue Shared-use Path Phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:49am

**HANCOCK ENGINEERING**  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

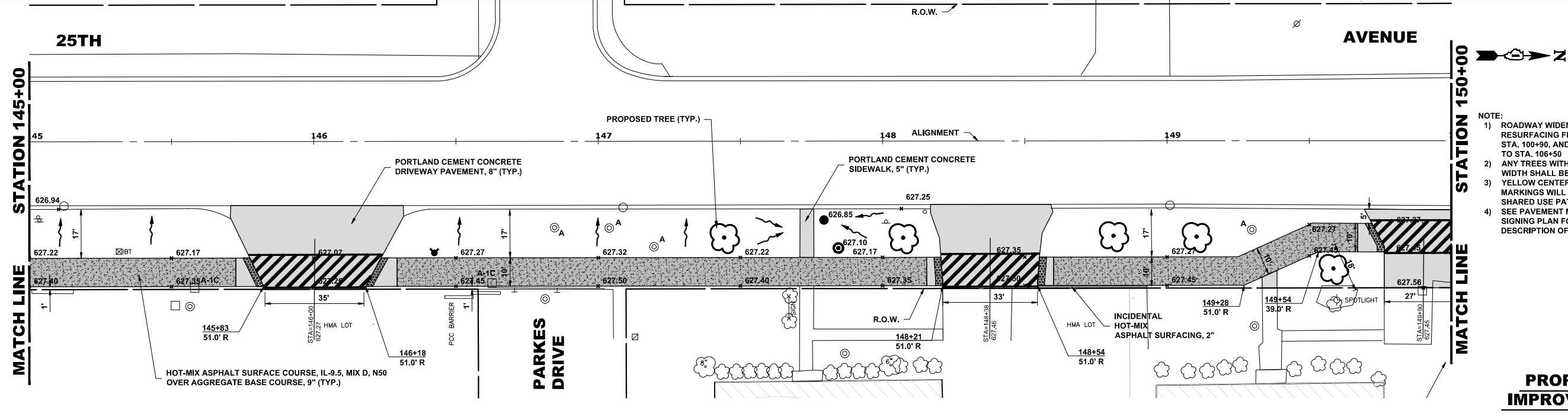
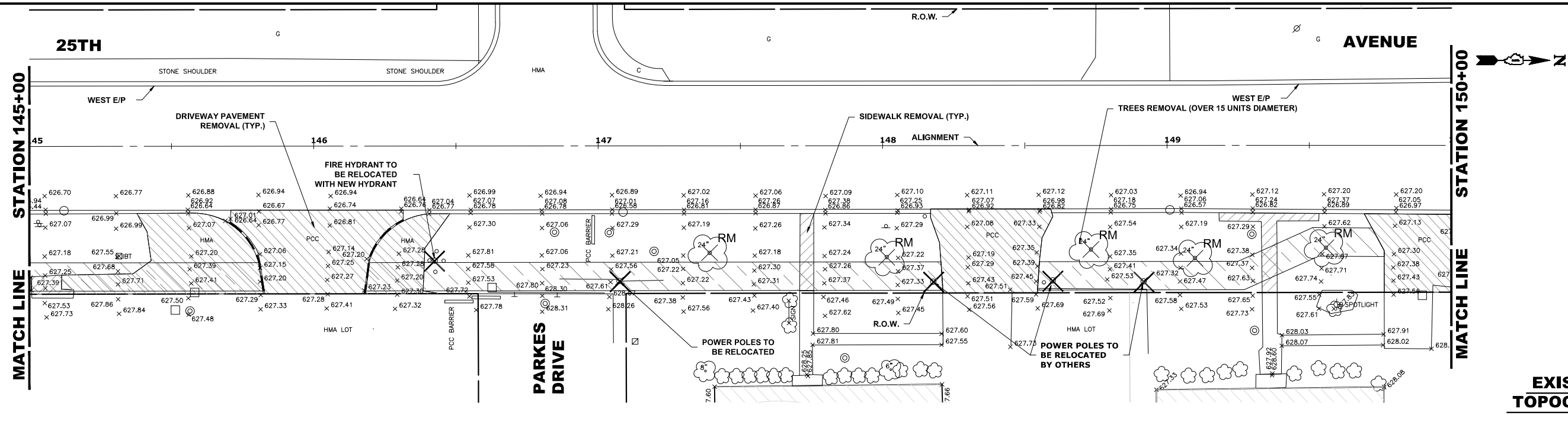
**25th AVENUE  
 PAVING PLAN AND PROFILE**

SCALE: H:1"=20', V:1"=2'

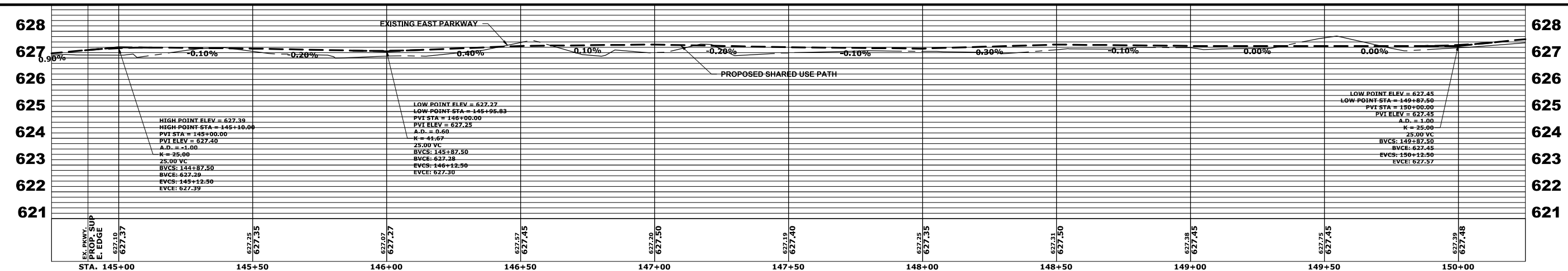
SHEET NO. OF SHEETS STA. 140+00 TO STA. 145+00

F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 26
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

E.H.E. PROJECT NO. 120-23-26801



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\projects\_by\_village\brockview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:49am

**HANCOCK ENGINEERING**  
 15th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

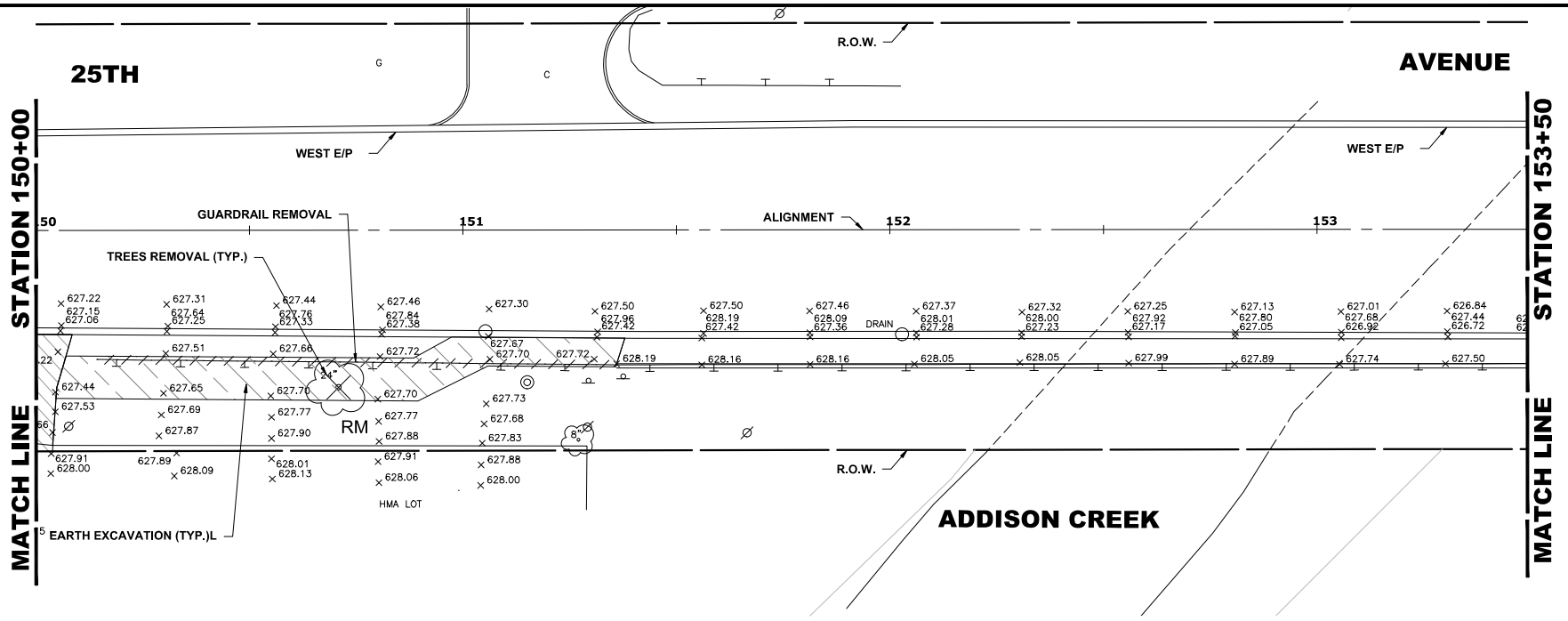
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

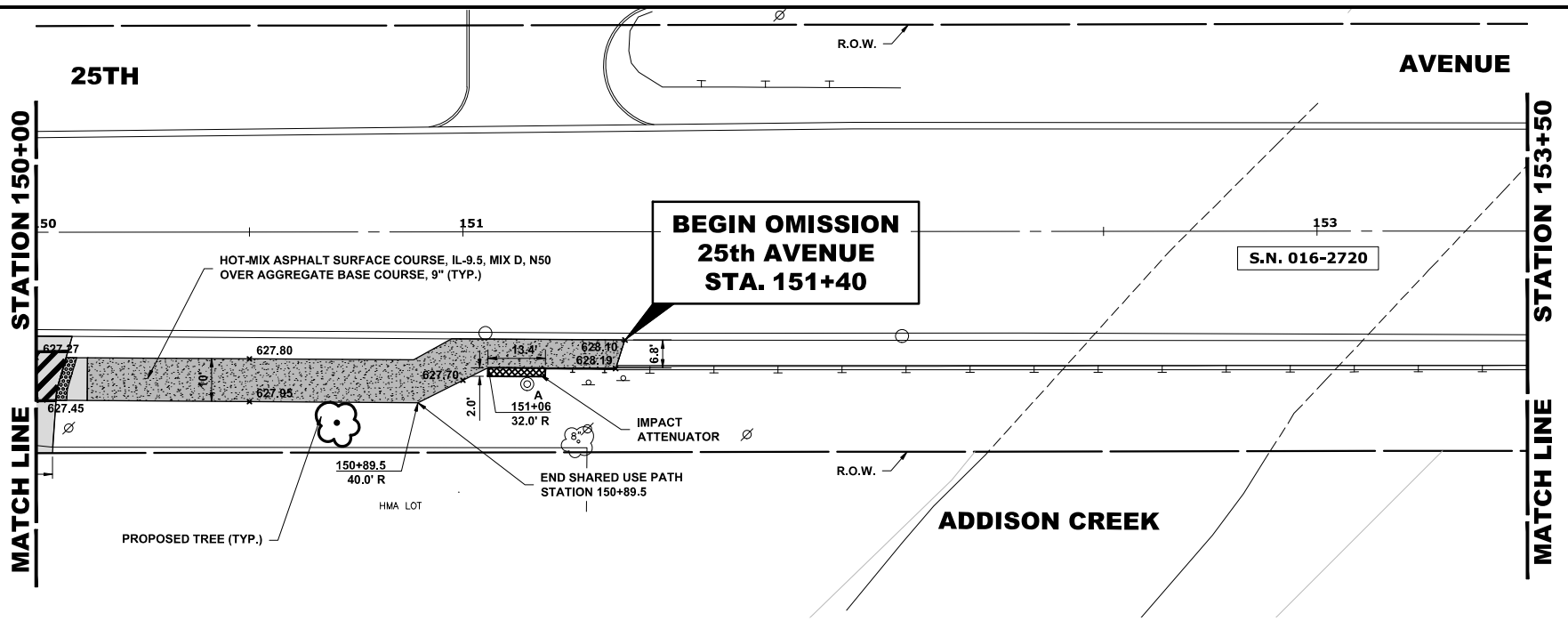
**25th AVENUE  
 PAVING PLAN AND PROFILE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	27
SCALE: H:1"=20'; V:1"=2'		SHEET NO. OF SHEETS		STA. 145+00 TO STA. 150+00
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

I.H.E. PROJECT NO. 120-23-28801

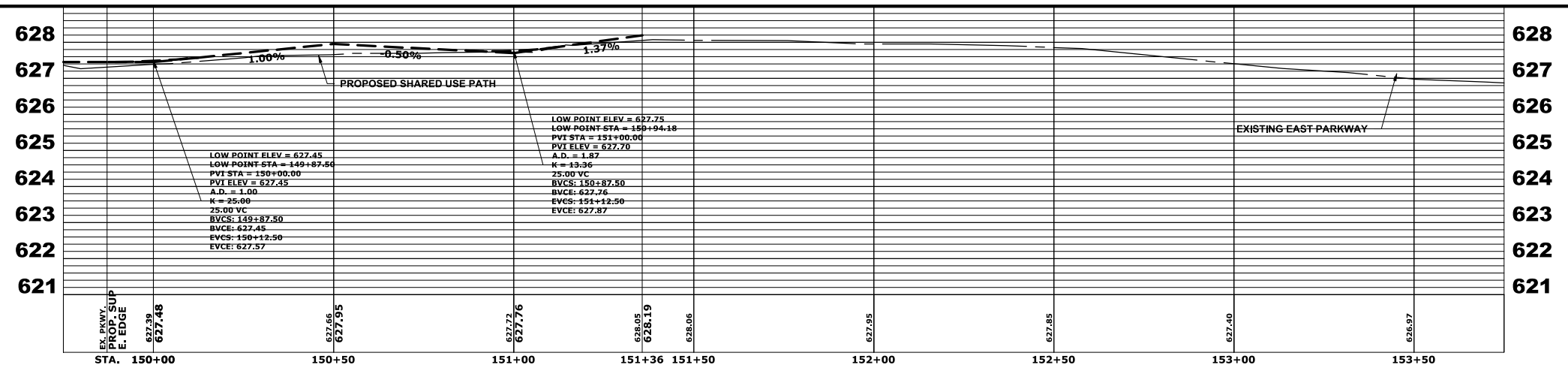


**EXISTING TOPOGRAPHY**



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING

**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\broodview\20222666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:49am

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

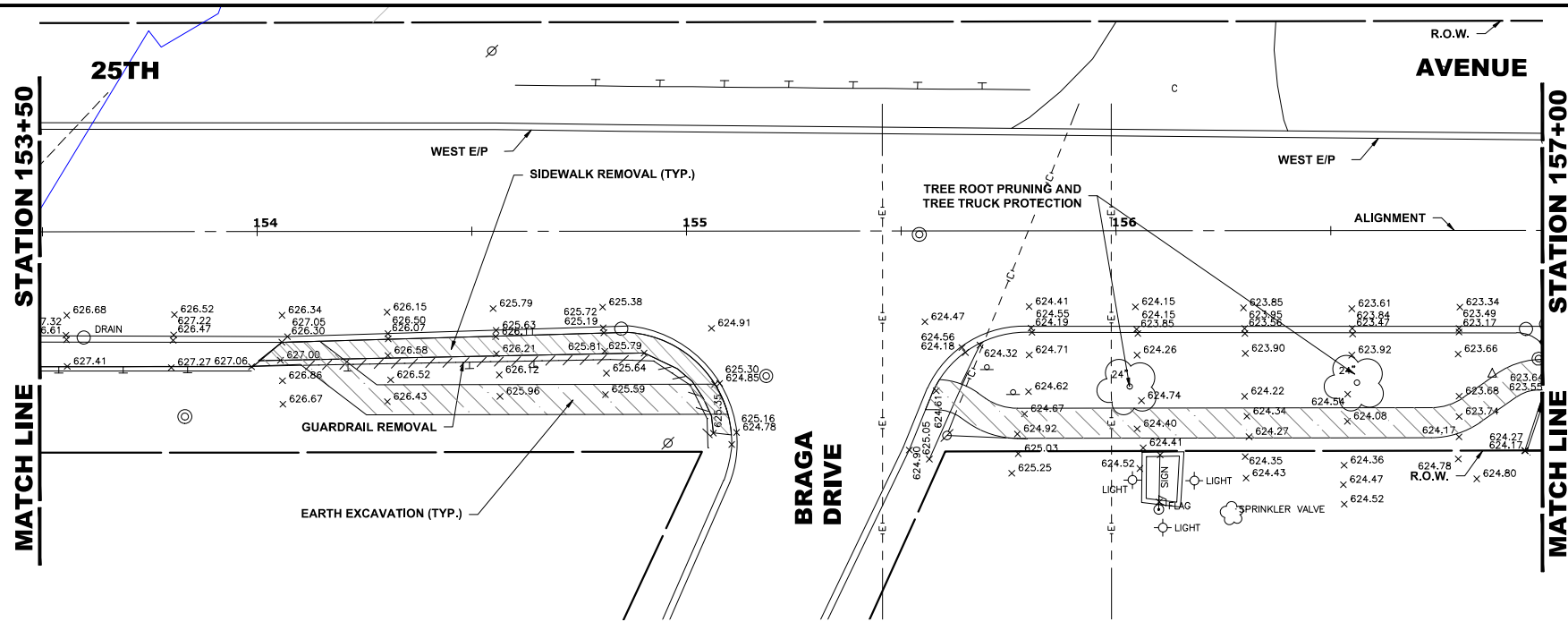
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

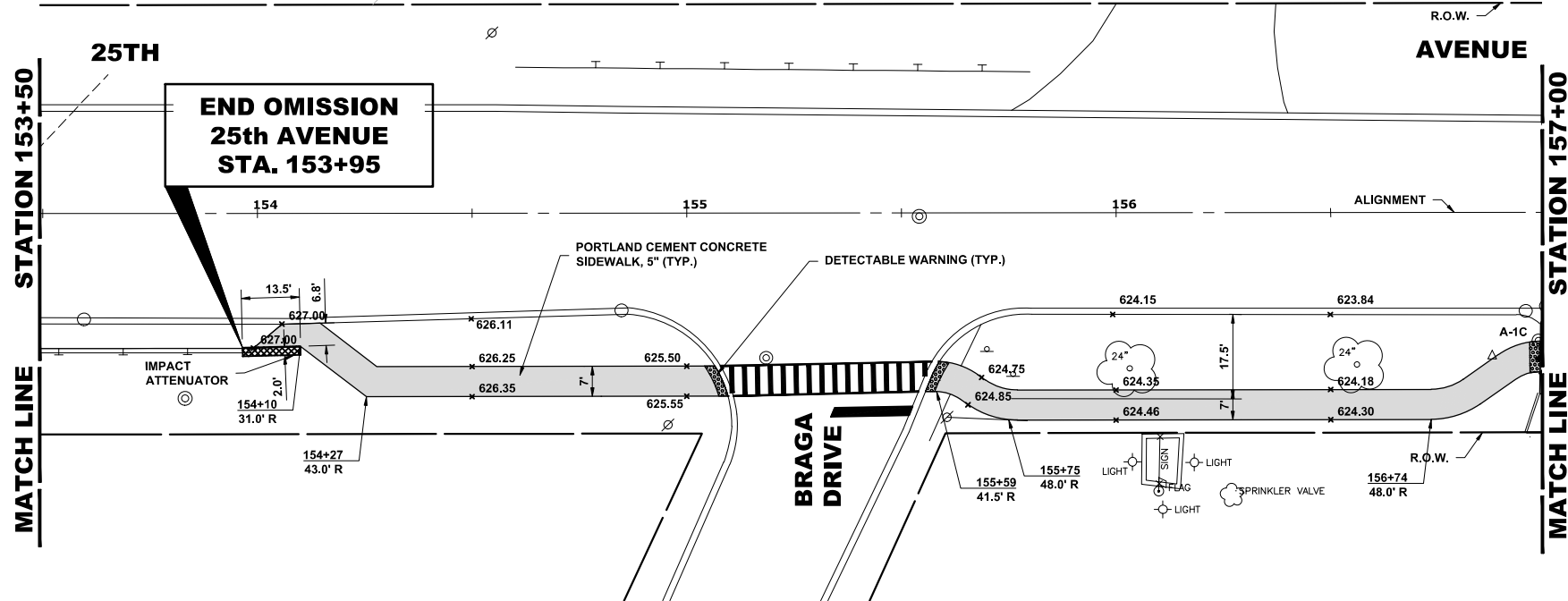
SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 150+00 TO STA. 154+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-28801

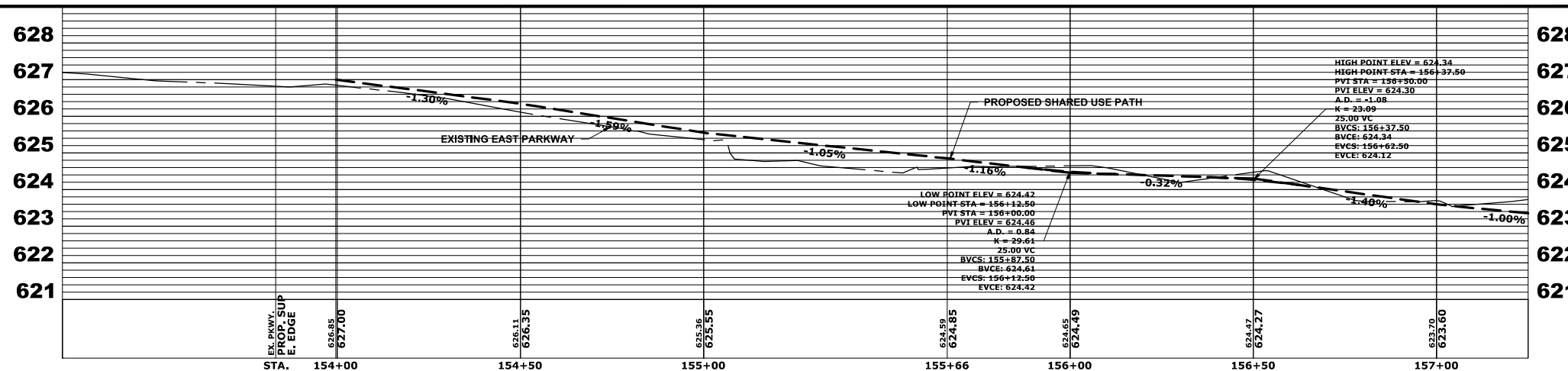


**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**

- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\Projects\by\_village\brockview\20222666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:50am

**HANCOCK ENGINEERING**  
 9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

◆ Civil Engineers  
 ◆ Municipal Consultants  
 ◆ Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

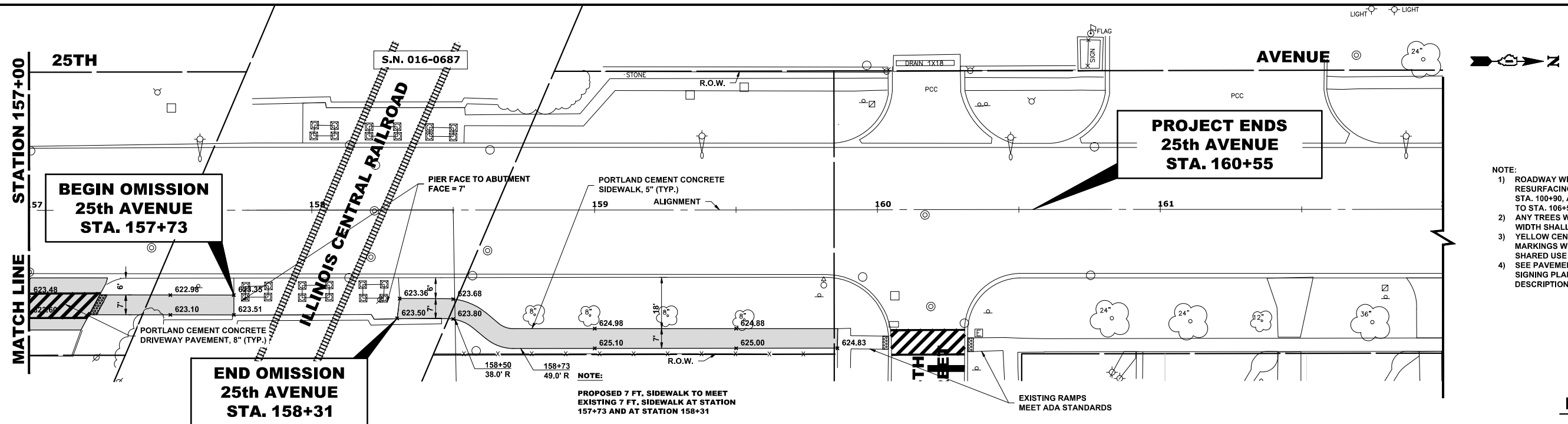
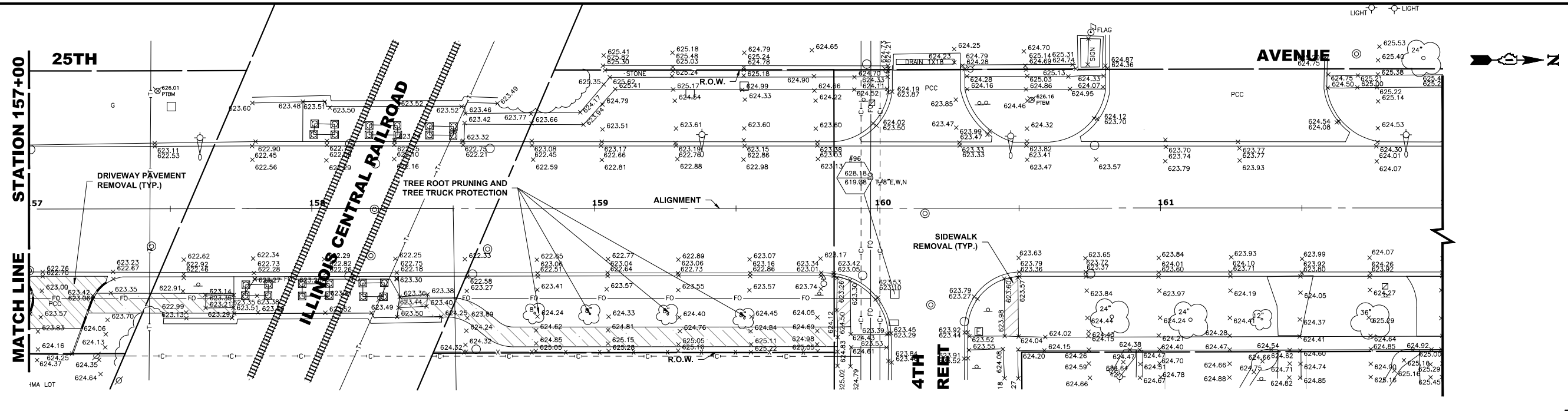
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 PAVING PLAN AND PROFILE**

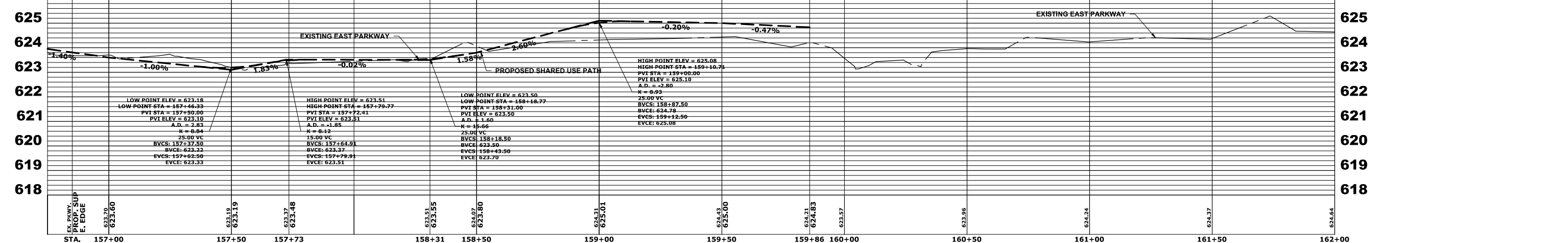
SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 154+00 TO STA. 157+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	29
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-28801



- NOTE:
- 1) ROADWAY WIDENING & RESURFACING FROM STA. 96+40 TO STA. 100+90, AND FROM STA. 103+00 TO STA. 106+50
  - 2) ANY TREES WITHIN THE CLEAR ZONE WIDTH SHALL BE REMOVED
  - 3) YELLOW CENTER PAVEMENT MARKINGS WILL BE PROVIDED ON SHARED USE PATH
  - 4) SEE PAVEMENT MARKING AND SIGNING PLAN FOR DETAILED DESCRIPTION OF STRIPING



Drawing file: W:\Projects\by\_village\broodview\20232666 - 25th Avenue Shared-Use Path Phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 11:50am

**HANCOCK ENGINEERING**  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

CIVIL Engineers  
 Municipal Consultants  
 Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

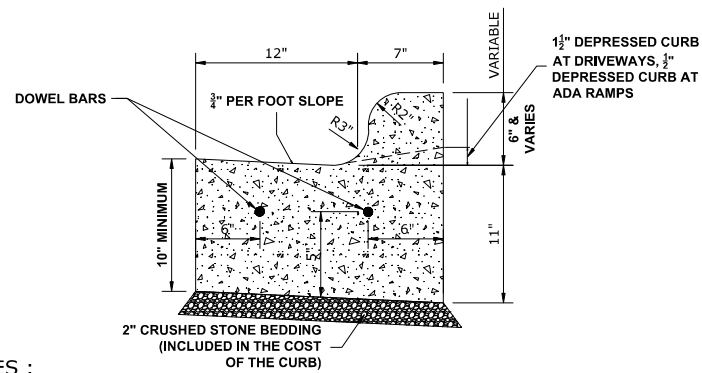
**25th AVENUE  
PAVING PLAN AND PROFILE**

SCALE: H:1"=20'; V:1"=2'

SHEET NO. OF SHEETS STA. 157+00 TO STA. 162+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	30
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

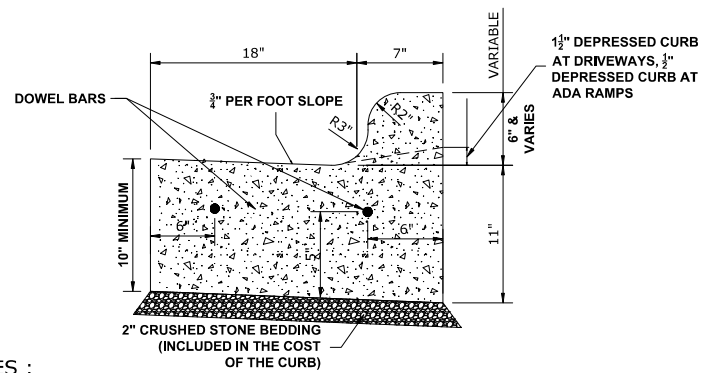
I.H.E. PROJECT NO. 120-23-26801



**NOTES :**

1. PROVIDE 2 - 3/4" DIAMETER, 18" LONG EPOXY COATED SMOOTH BARS WITH PLASTIC EXPANSION CAPS AT EACH EXPANSION JOINT.
2. CONTRACTION JOINT - 2" DEEP CONTRACTION JOINTS SHALL BE SAWED AT EQUAL SPACES (NOT EXCEEDING 15 FEET) BETWEEN NORMAL EXPANSION JOINTS, IN THE UPPER 1/3 OF CURB & GUTTERS WITHIN 24 HOURS OF PLACEMENT.
3. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE COST OF CURB & GUTTER
4. A CONCRETE WEDGE SHALL BE POURED IN THE SPACE BETWEEN THE NEW CURB AND THE EXISTING PAVEMENT AFTER THE CURB HAS REACHED INITIAL SET. THE COST FOR THIS CONCRETE SHALL BE PAID AS PORTLAND CEMENT CONCRETE BASE 9"

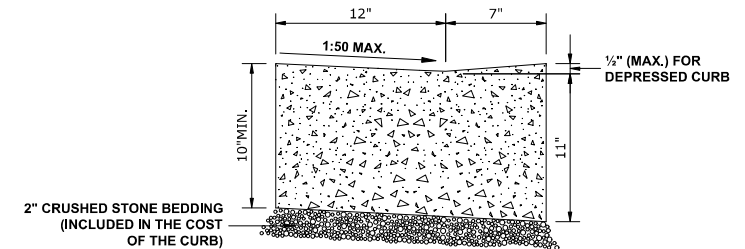
**COMBINATION CONCRETE CURB & GUTTER  
TYPE B-6.12**



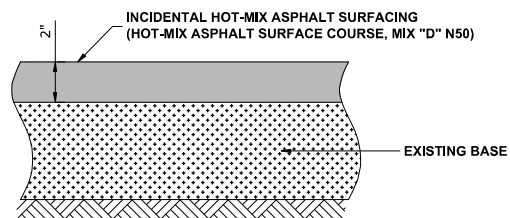
**NOTES :**

1. PROVIDE 2 - 3/4" DIAMETER, 18" LONG EPOXY COATED SMOOTH BARS WITH PLASTIC EXPANSION CAPS AT EACH EXPANSION JOINT.
2. CONTRACTION JOINT - 2" DEEP CONTRACTION JOINTS SHALL BE SAWED AT EQUAL SPACES (NOT EXCEEDING 15 FEET) BETWEEN NORMAL EXPANSION JOINTS, IN THE UPPER 1/3 OF CURB & GUTTERS WITHIN 24 HOURS OF PLACEMENT.
3. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE COST OF CURB & GUTTER
4. A CONCRETE WEDGE SHALL BE POURED IN THE SPACE BETWEEN THE NEW CURB AND THE EXISTING PAVEMENT AFTER THE CURB HAS REACHED INITIAL SET. THE COST FOR THIS CONCRETE SHALL BE PAID AS PORTLAND CEMENT CONCRETE BASE 9"

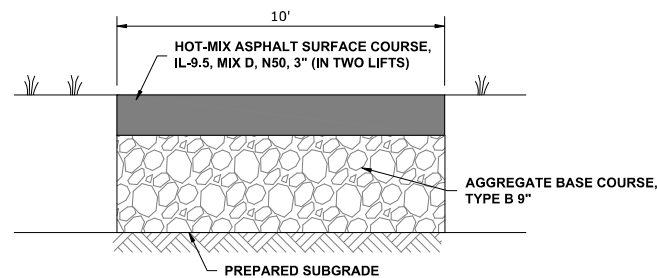
**COMBINATION CONCRETE CURB & GUTTER  
TYPE B-6.18**



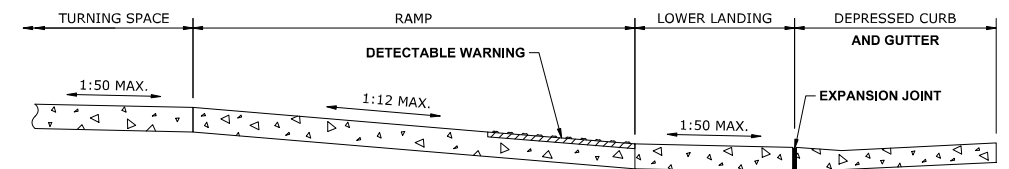
**CURB AND GUTTER AT A.D.A. RAMPS**



**INCIDENTAL HOT-MIX  
ASPHALT SURFACING**

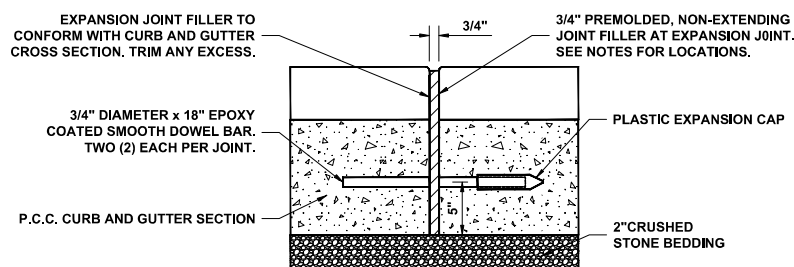


**SHARED USE PATH**



THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE CURB LENGTH TO EXCEED 15'.

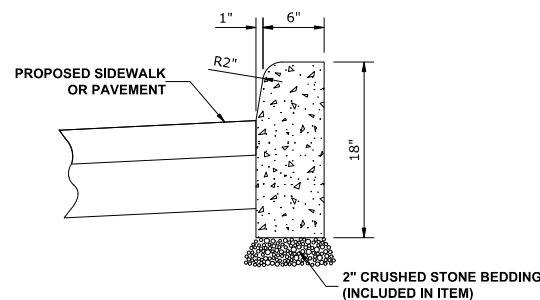
**ADA RAMP**



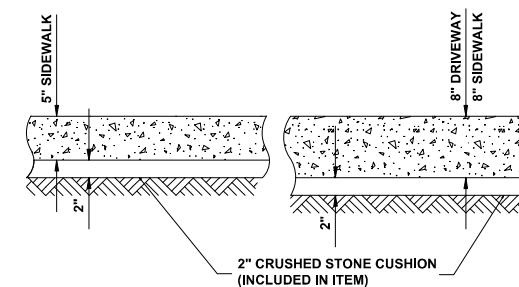
**NOTE:**

1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S & PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS. CONSTRUCTION JOINTS, EVERY 50' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.

**TYPICAL CURB AND GUTTER  
EXPANSION JOINT**



**BARRIER CURB**



**TYPICAL P.C.C. SIDEWALK AND DRIVEWAY**

Drawing file: W:\projects\_by\_village\brockview\12023268 - 25th avenue shared-use path phase 1\Roadway\_Details.dwg Jul 17, 2024 - 11:01am



**HANCOCK ENGINEERING**  
Civil Engineers  
Municipal Consultants  
Established 1911  
9938 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-666-0800  
www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

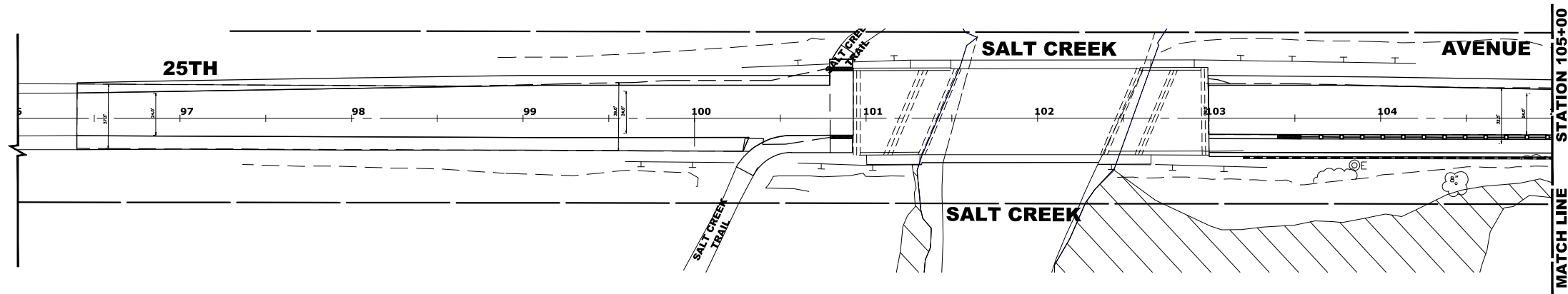
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	31
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

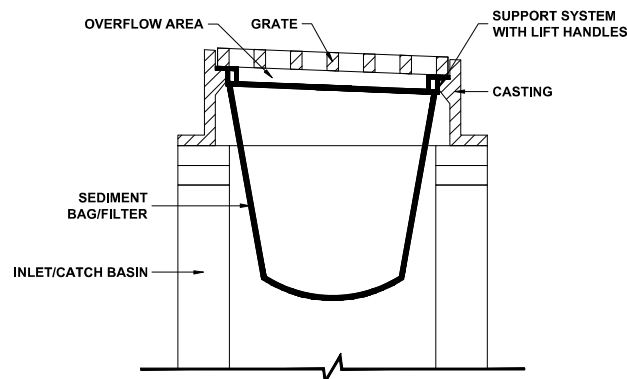
E.H.E. PROJECT NO. 120-23-28601



LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	INLET FILTERS
	CONCRETE WASH-OUT AREA
	DISTURBED CONSTRUCTION AREA

**NOTES**

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
- ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.

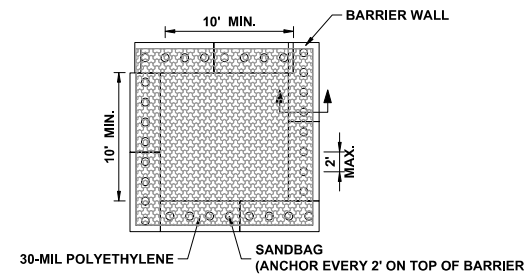


**INLET/CATCH BASIN PROTECTION  
DETAIL  
(DROP-IN PROTECTION)**

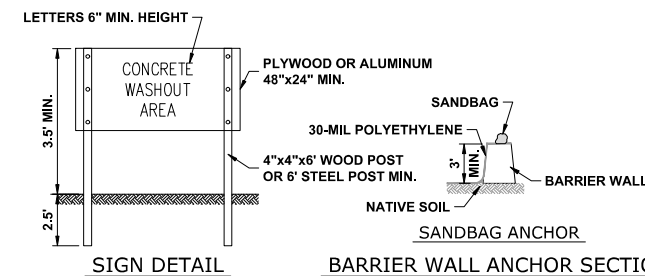
- CLEAN OUT AFTER EVERY RAIN EVENT.
- INSTALL BEFORE BEGINNING ANY WORK.

**CONTRACTOR CERTIFICATION STATEMENT:**  
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS."

CONTRACTOR NAME (PRINT): \_\_\_\_\_  
 CONTRACTOR SIGNATURE: \_\_\_\_\_  
 DATE: \_\_\_\_\_



PLAN VIEW



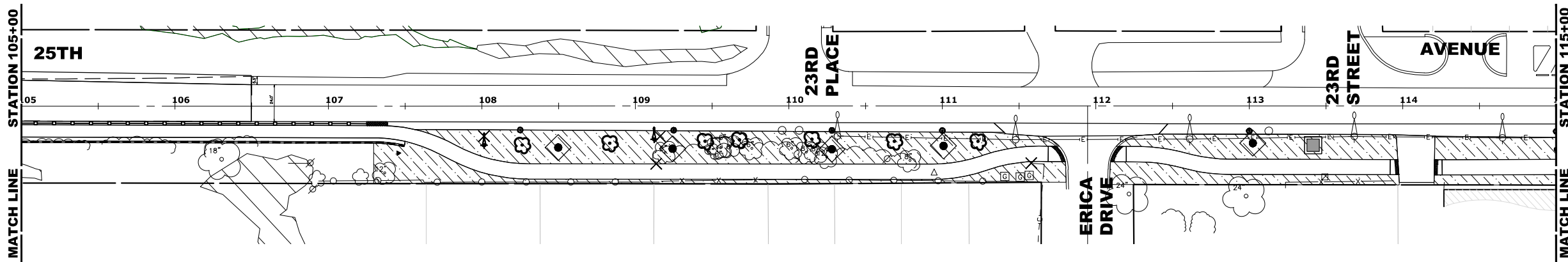
SIGN DETAIL

BARRIER WALL ANCHOR SECTION

**NOTES:**

- MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
- FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT  
(BARRIER WALL)**



Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SHEET 40 SCALE.dwg Jul 17, 2024 - 1:10 pm

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

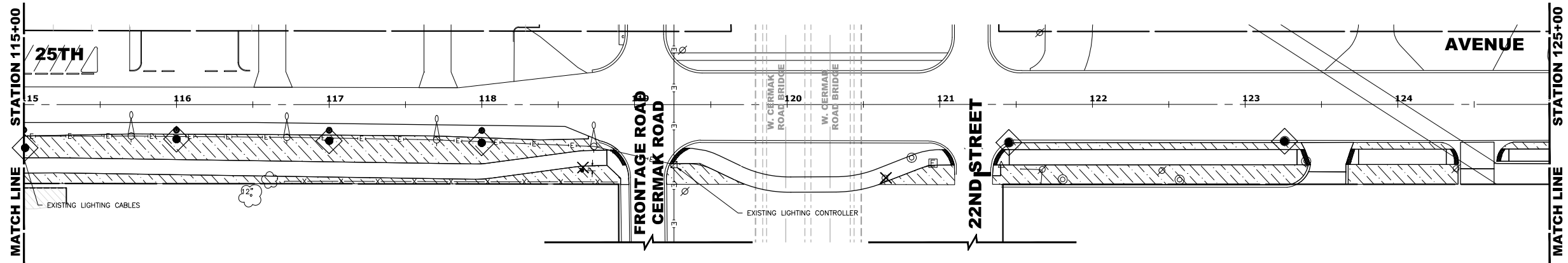
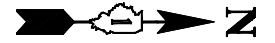
**EROSION CONTROL PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K72	

E.H.E. PROJECT NO. 12U-23-26801

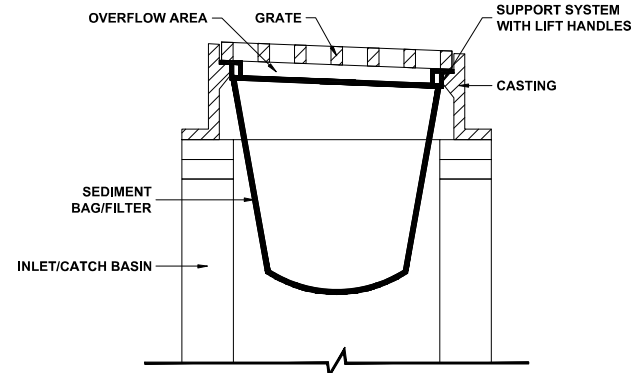




LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	INLET FILTERS
	CONCRETE WASH-OUT AREA
	DISTURBED CONSTRUCTION AREA

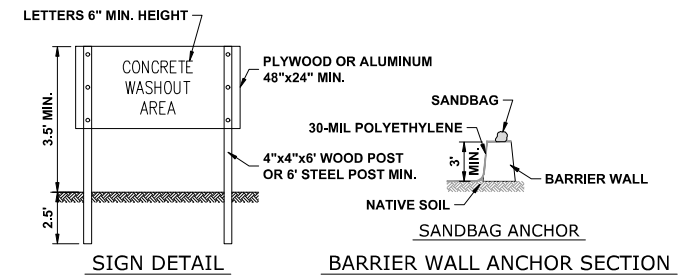
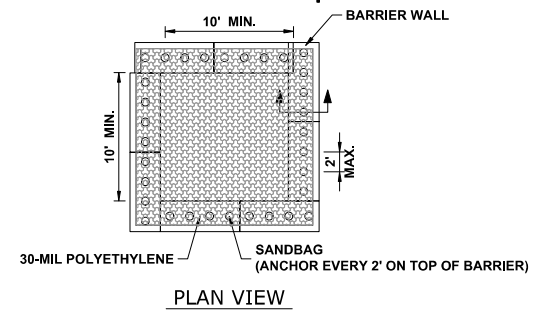
**NOTES**

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
- ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.



**INLET/CATCH BASIN PROTECTION  
DETAIL  
(DROP-IN PROTECTION)**

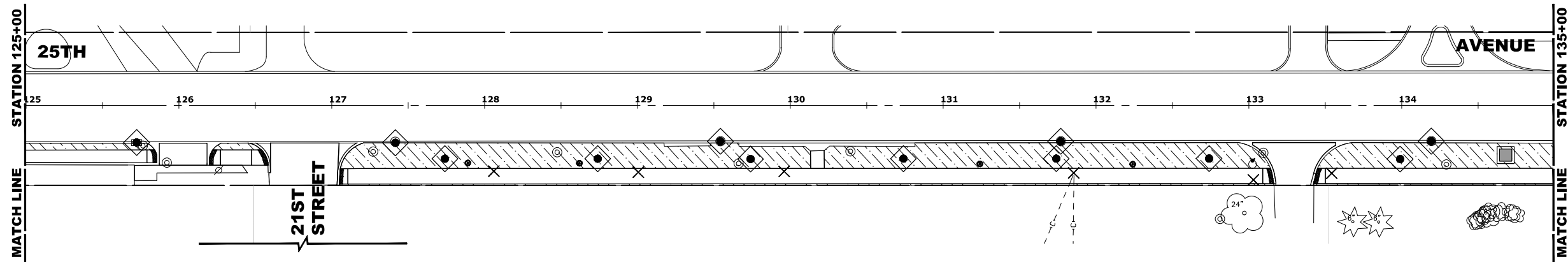
- CLEAN OUT AFTER EVERY RAIN EVENT.
- INSTALL BEFORE BEGINNING ANY WORK.



**NOTES:**

- MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
- FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT  
(BARRIER WALL)**



**CONTRACTOR CERTIFICATION STATEMENT:**  
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS."

CONTRACTOR NAME (PRINT): \_\_\_\_\_  
CONTRACTOR SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_



9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-946-0900  
www.hancock.com

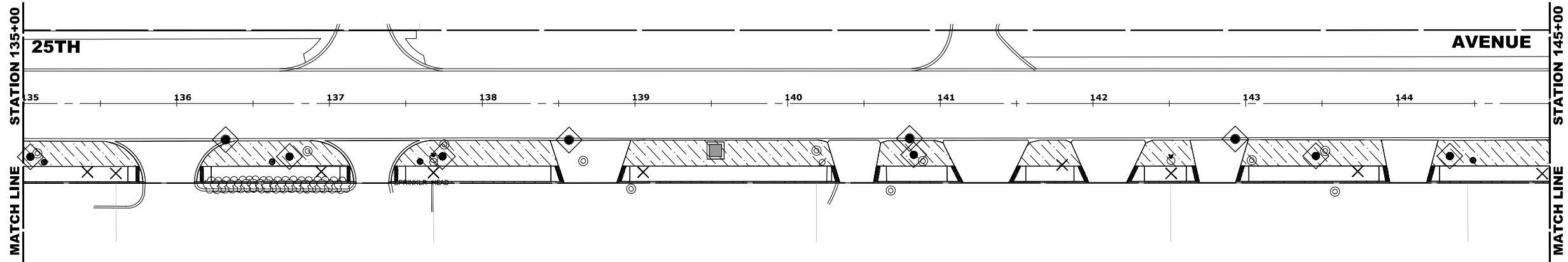
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

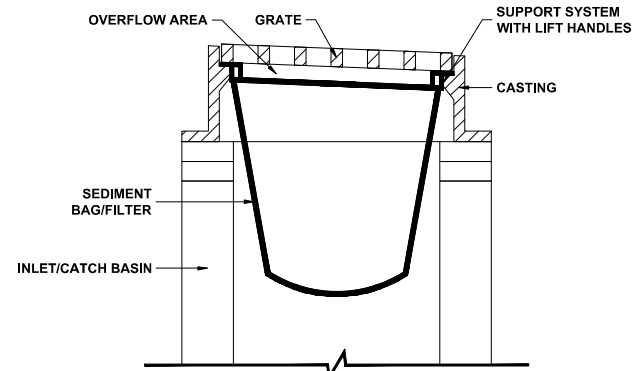
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K72	



LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	INLET FILTERS
	CONCRETE WASH-OUT AREA
	DISTURBED CONSTRUCTION AREA

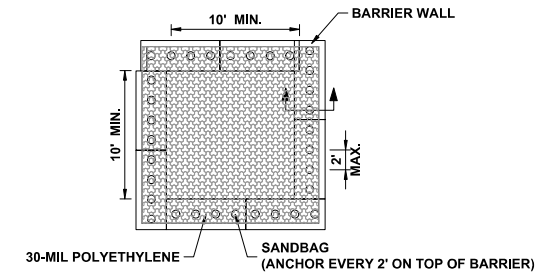
**NOTES**

- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
- ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.

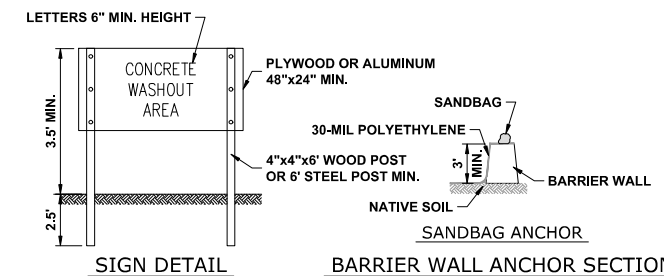


**INLET/CATCH BASIN PROTECTION  
DETAIL  
(DROP-IN PROTECTION)**

- CLEAN OUT AFTER EVERY RAIN EVENT.
- INSTALL BEFORE BEGINNING ANY WORK.



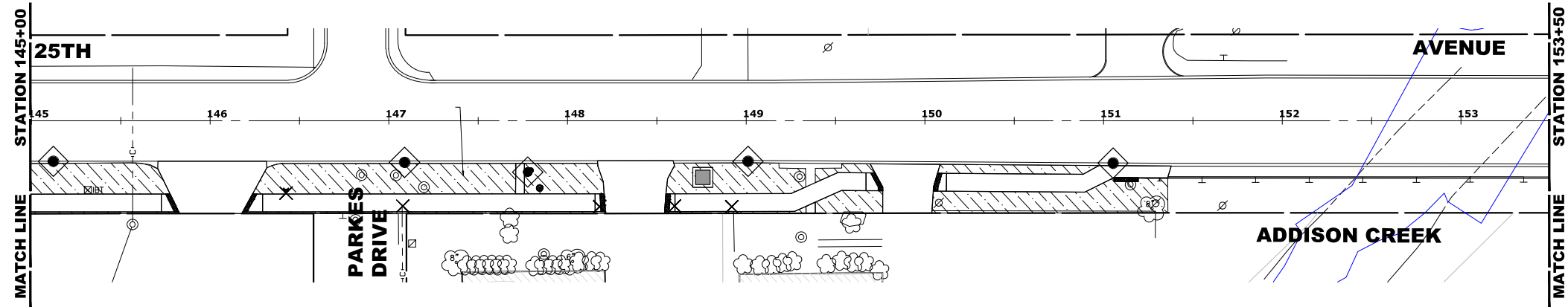
**PLAN VIEW**



**NOTES:**

- MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
- FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT  
(BARRIER WALL)**



DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	34
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K72	
FED. AID PROJECT				

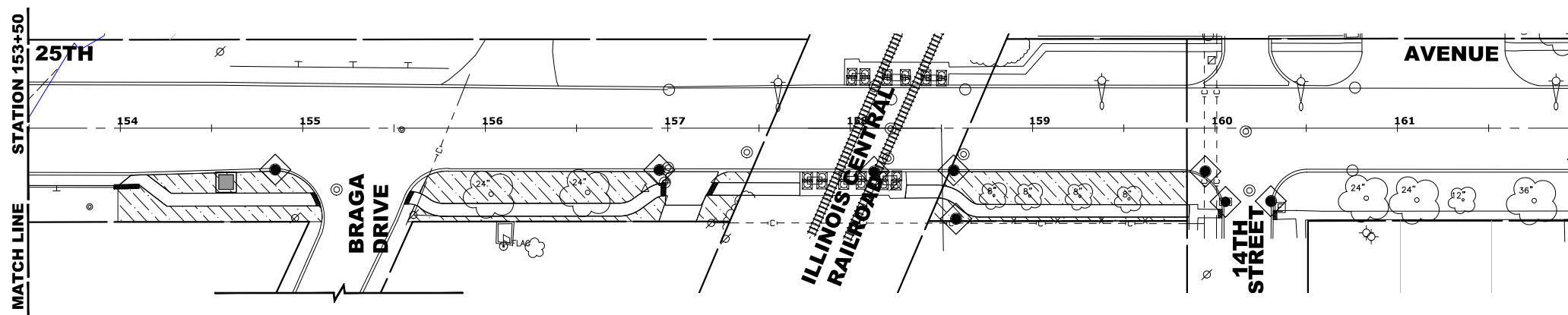
Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 11:02am



9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-846-0300  
www.hancock.com

◆ Civil Engineers  
◆ Municipal Consultants  
◆ Established 1911

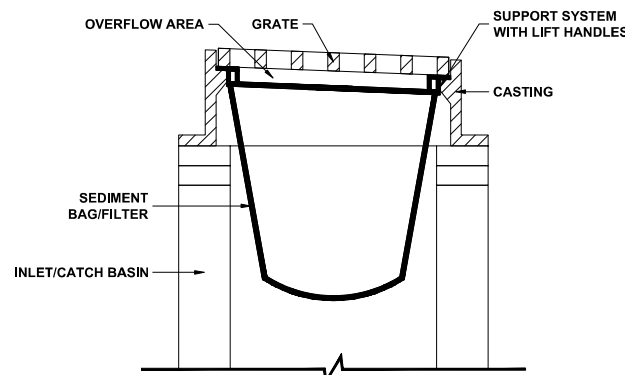
E.H.E. PROJECT NO. 12U-23-26801



LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	INLET FILTERS
	CONCRETE WASH-OUT AREA
	DISTURBED CONSTRUCTION AREA

**NOTES**

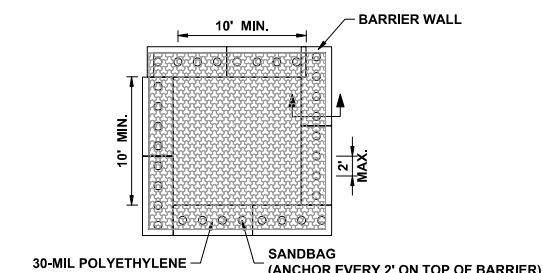
- SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
- THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
- SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
- WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
- THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
- ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.



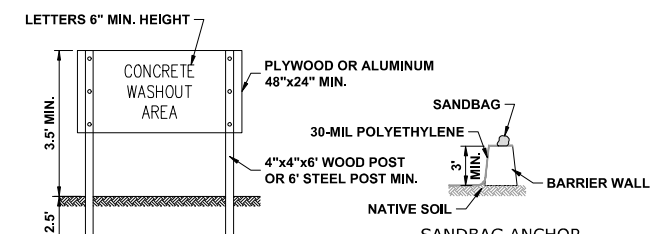
**INLET/CATCH BASIN PROTECTION  
DETAIL**

(DROP-IN PROTECTION)

- CLEAN OUT AFTER EVERY RAIN EVENT.
- INSTALL BEFORE BEGINNING ANY WORK.



**PLAN VIEW**



**SIGN DETAIL**

**BARRIER WALL ANCHOR SECTION**

**NOTES:**

- MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
- FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT  
(BARRIER WALL)**

**CONTRACTOR CERTIFICATION STATEMENT:**  
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (LR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS."

CONTRACTOR NAME (PRINT): \_\_\_\_\_

CONTRACTOR SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_



9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-946-0900  
www.hancock.com

- Civil Engineers
- Municipal Consultants
- Established 1911

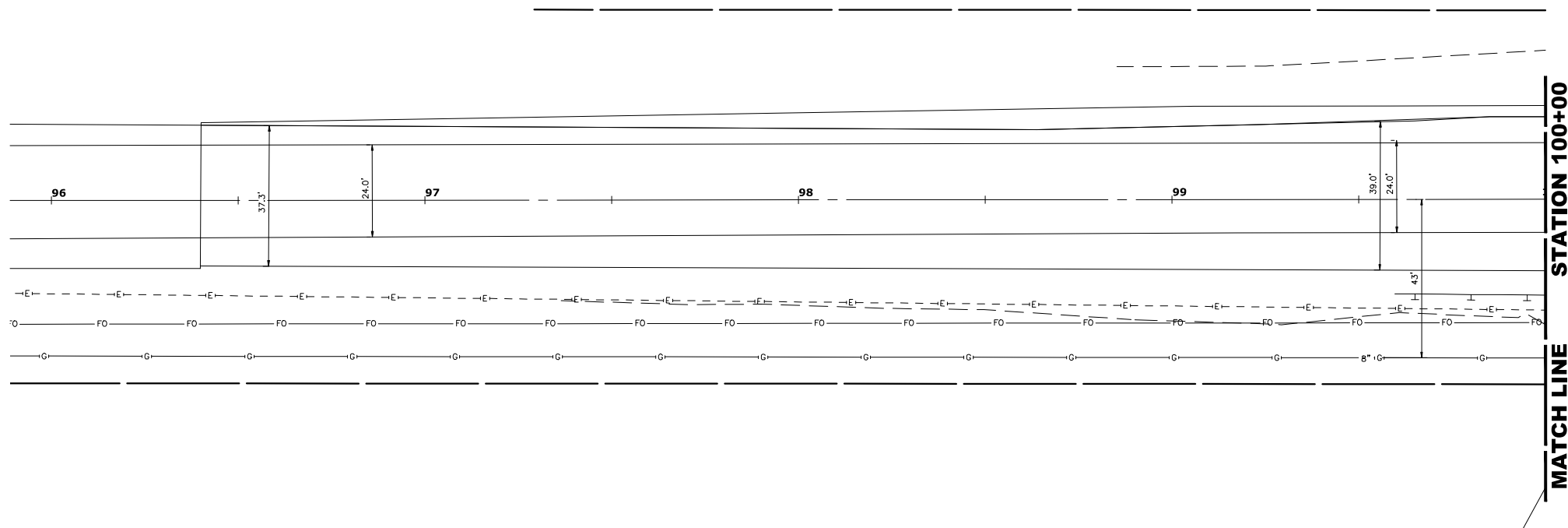
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLANS**

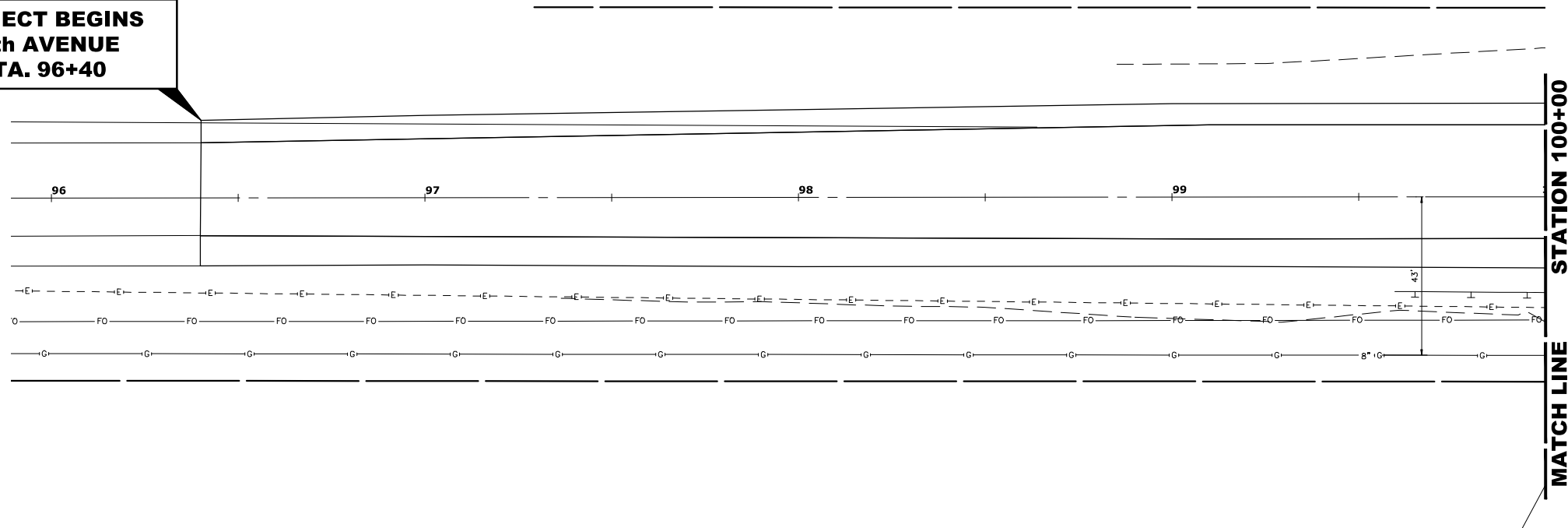
SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	35
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

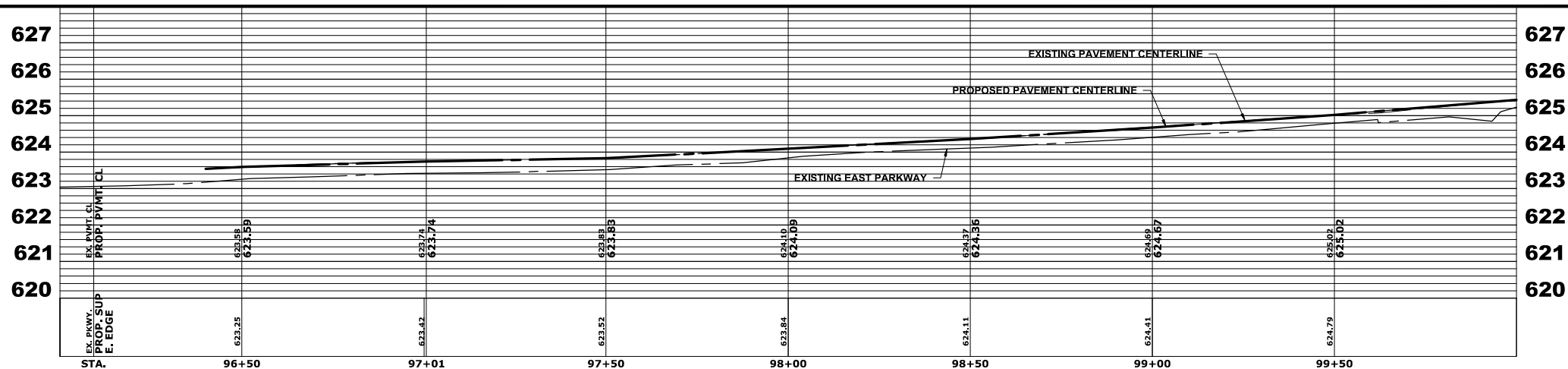


**EXISTING TOPOGRAPHY**

**PROJECT BEGINS  
25th AVENUE  
STA. 96+40**



**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\broadview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:01pm



9933 Roosevelt Road  
Westchester, IL 60184-2780  
Phone: 708-865-0300  
www.hancock.com

- Civil Engineers
- Municipal Consultants
- Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

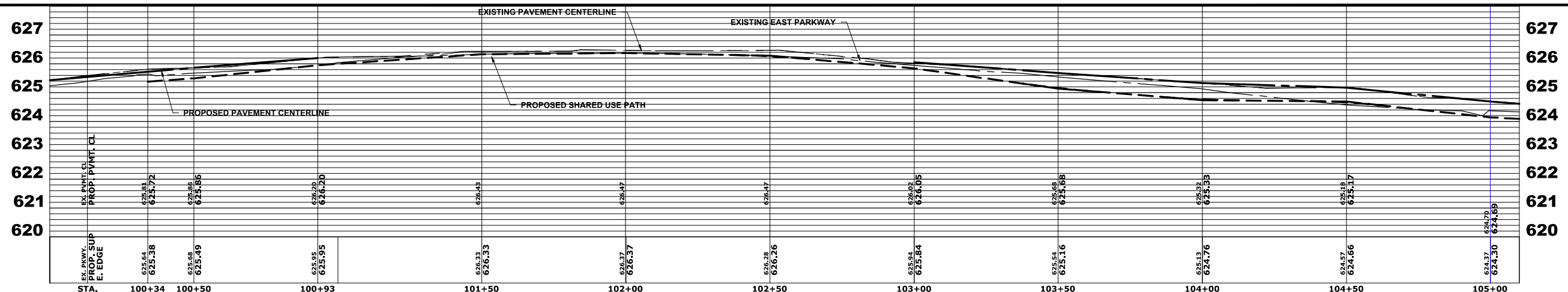
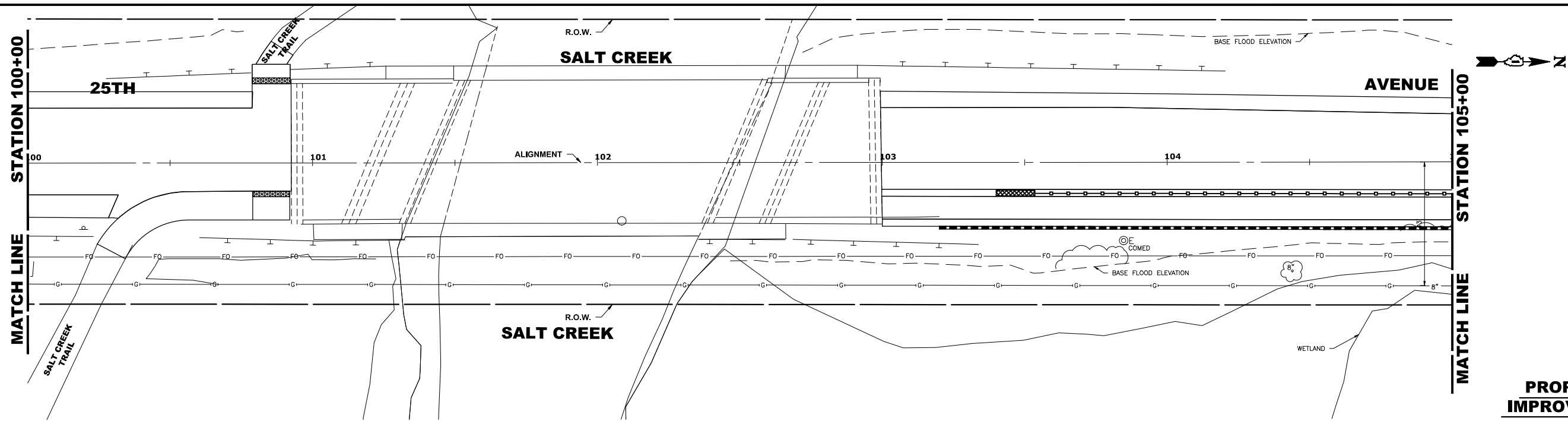
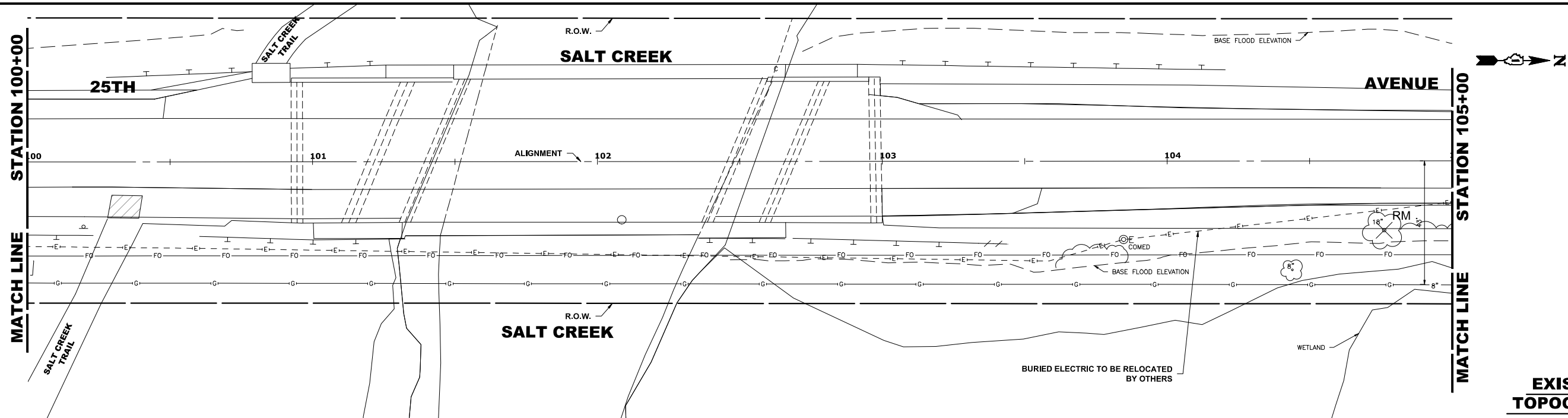
**25th AVENUE  
UTILITY PLAN AND PROFILE**

SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 96+00 TO STA. 100+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	36
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\by\_village\broadsheet\20232666 - 25th Avenue Shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:01pm



**HANCOCK ENGINEERING**  
 18th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

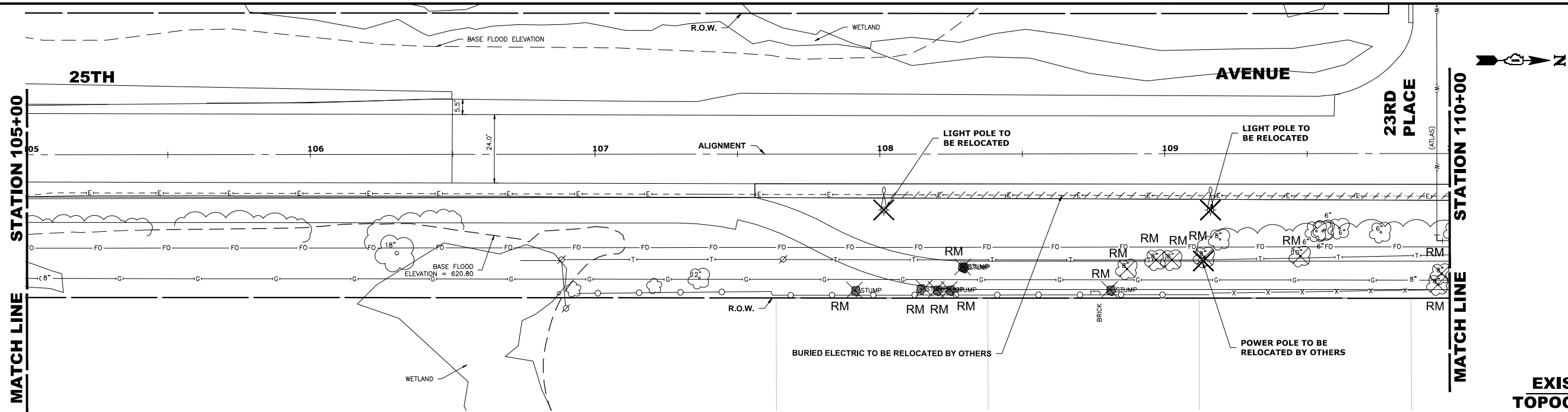
**25th AVENUE  
 UTILITY PLAN AND PROFILE**

SCALE: H:1"=20', V:1"=2'    SHEET NO.    OF    SHEETS    STA. 100+00    TO STA. 105+00

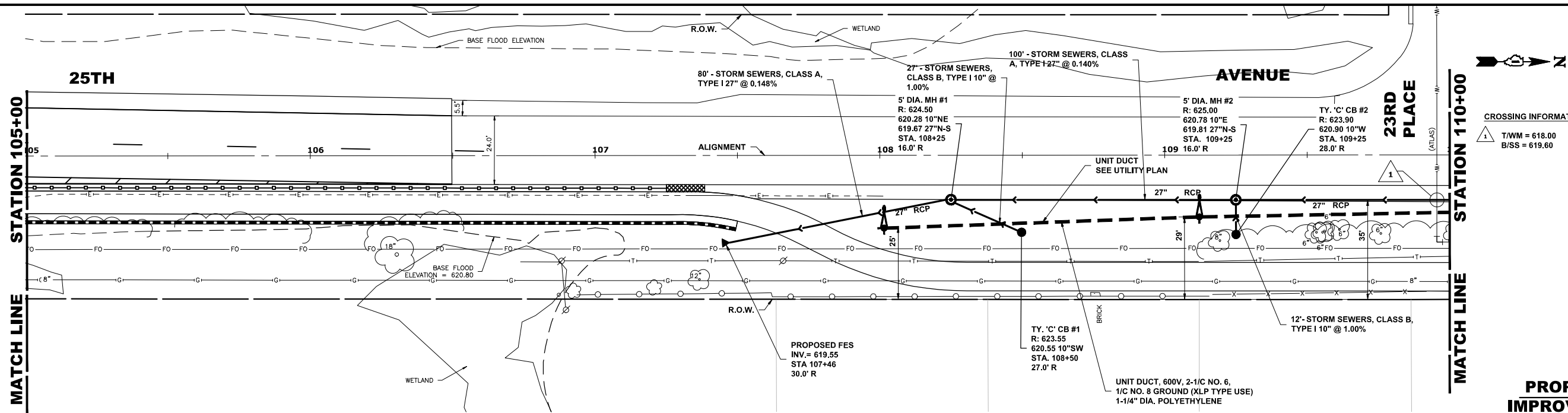
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	37
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-28801

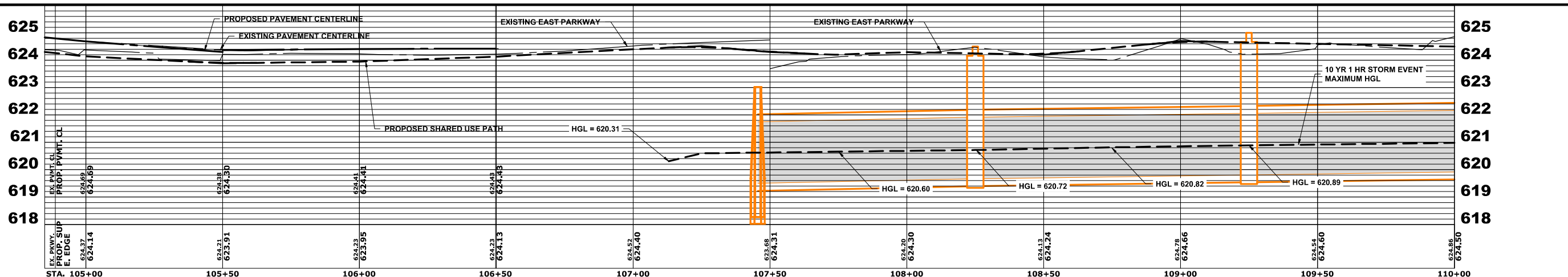
Drawing file: W:\Projects\by\_village\brockview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

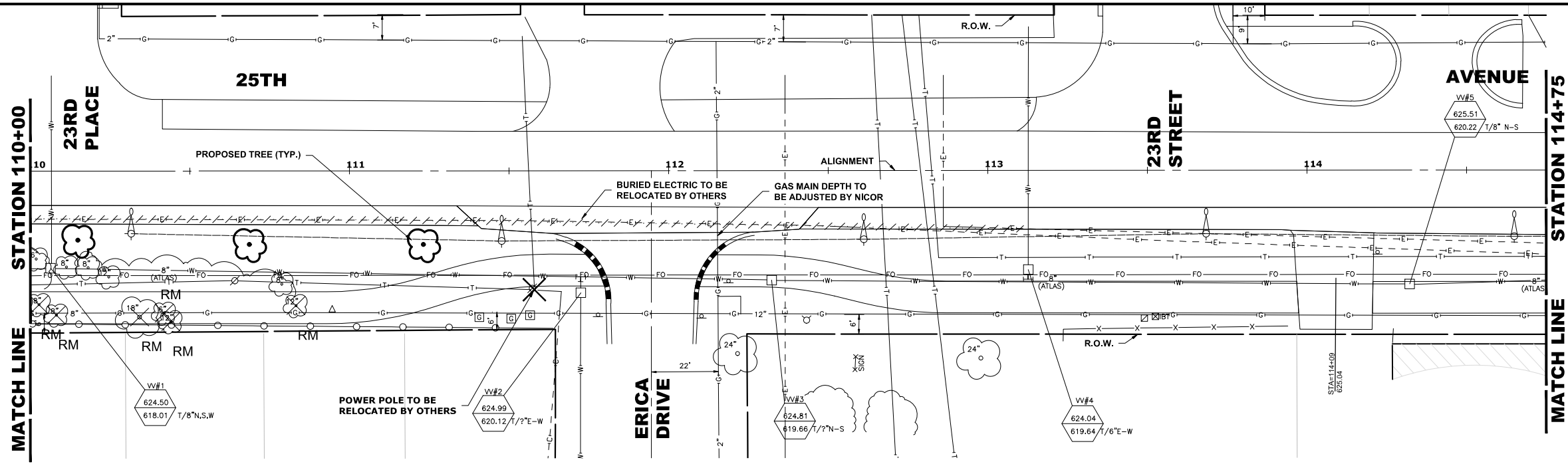
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

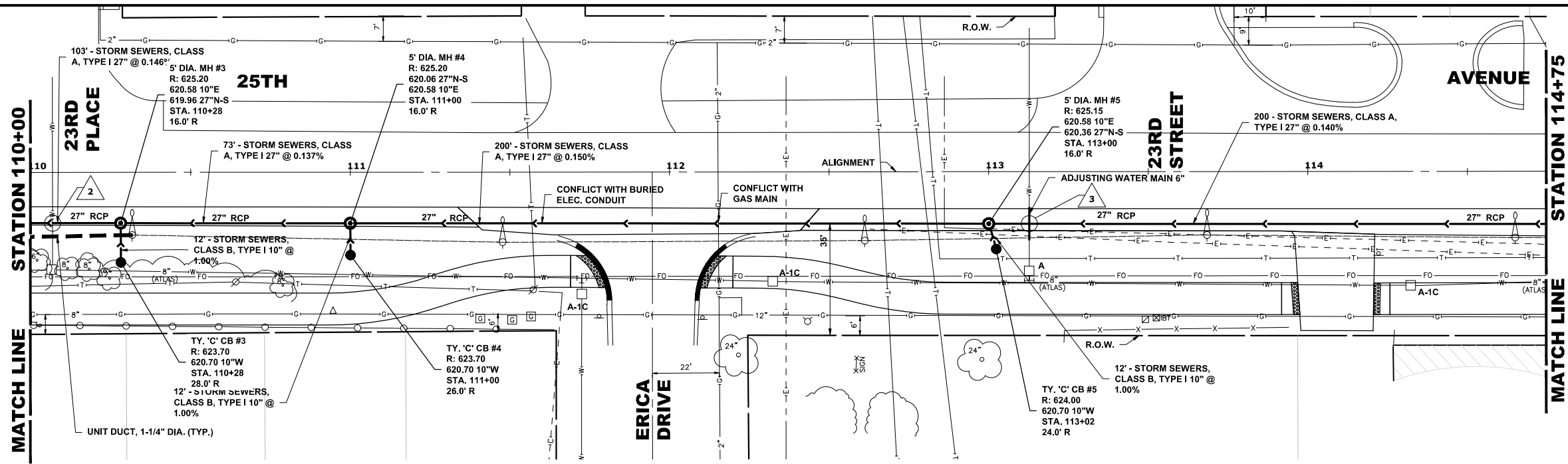
SCALE: H:1"=20'; V:1"=2' SHEET NO. OF SHEETS STA. 105+00 TO STA. 110+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	38
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 61K72		

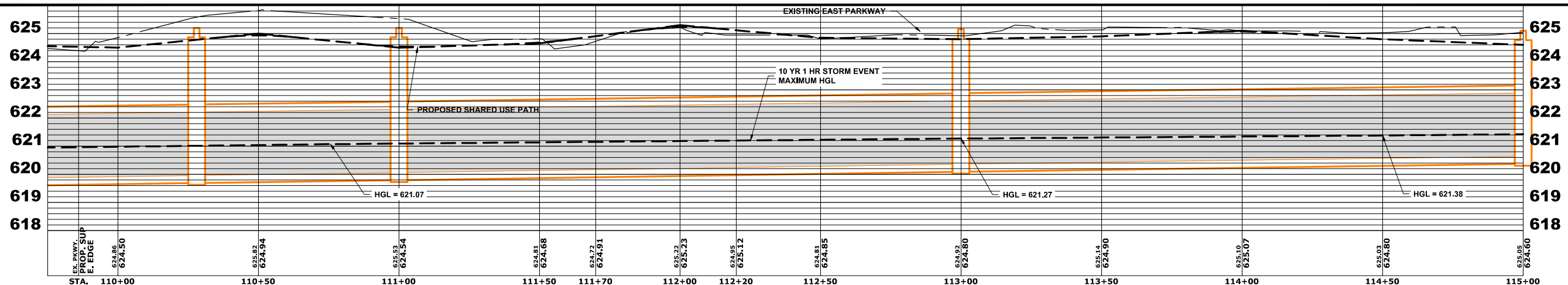
E.H.E. PROJECT NO. 120-23-26801



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



Drawing file: W:\projects\_by\_village\broodview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm



Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

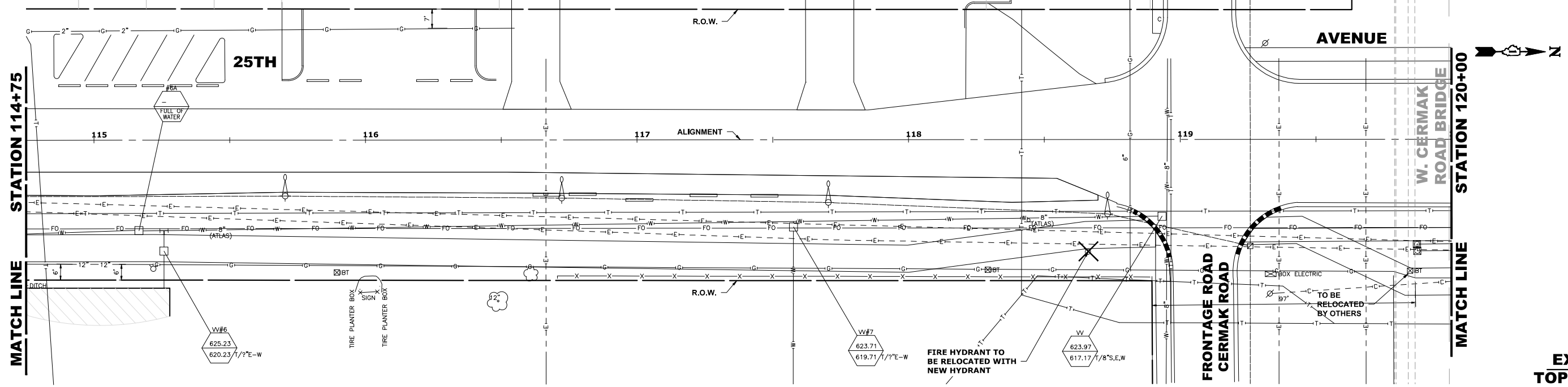
REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

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

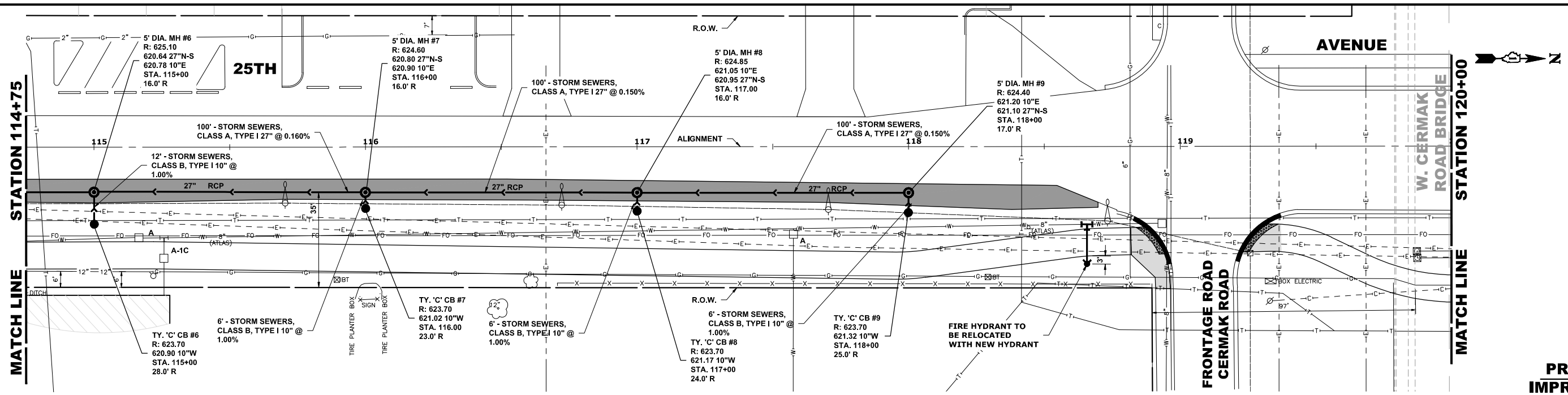
**25th AVENUE**  
**UTILITY PLAN AND PROFILE**  
 SCALE: H:1"=20', V:1"=2'  
 SHEET NO. OF SHEETS STA. 110+00 TO STA. 115+00

F.A.U. RTE. NO. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 39
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

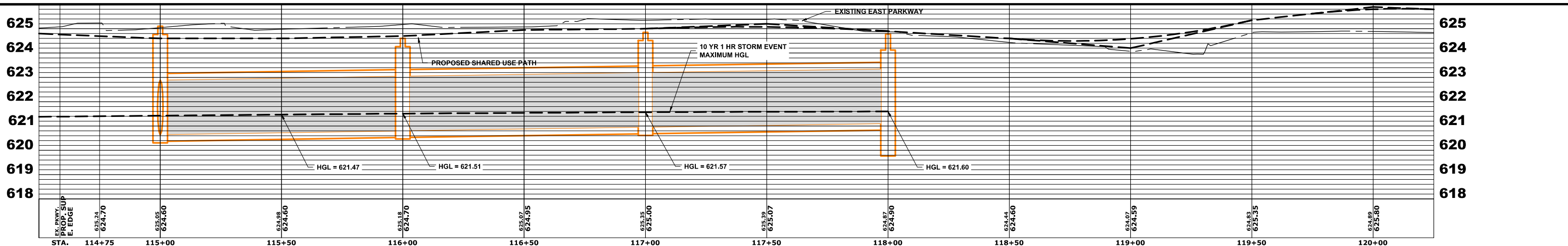
E.H.E. PROJECT NO. 120-23-26801



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



**HANCOCK ENGINEERING**  
 11th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA.115+00 TO STA.120+00

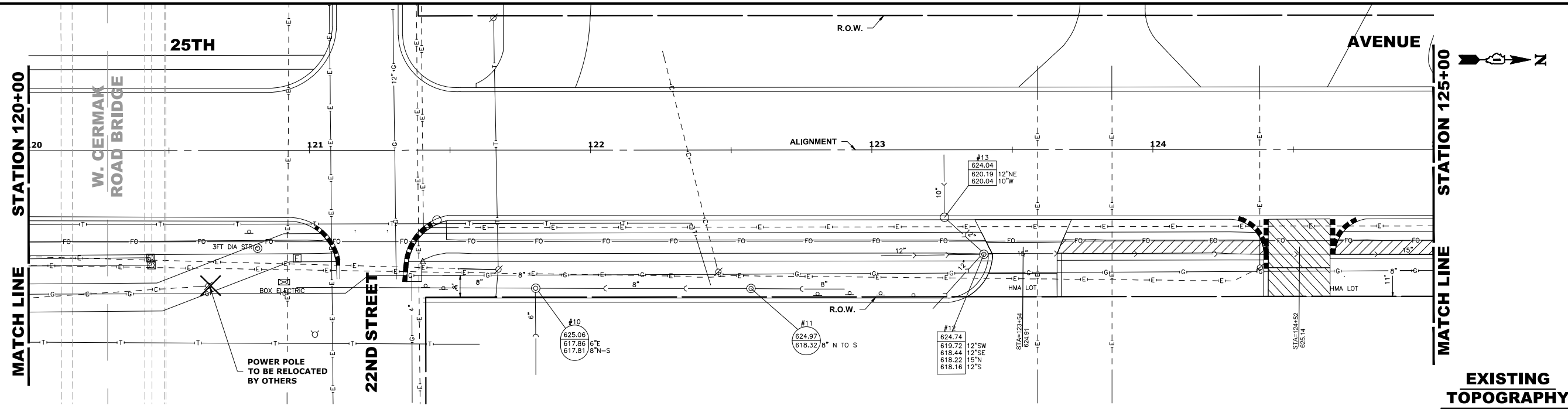
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	40
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

Drawing file: W:\projects\_by\_village\broadsview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm

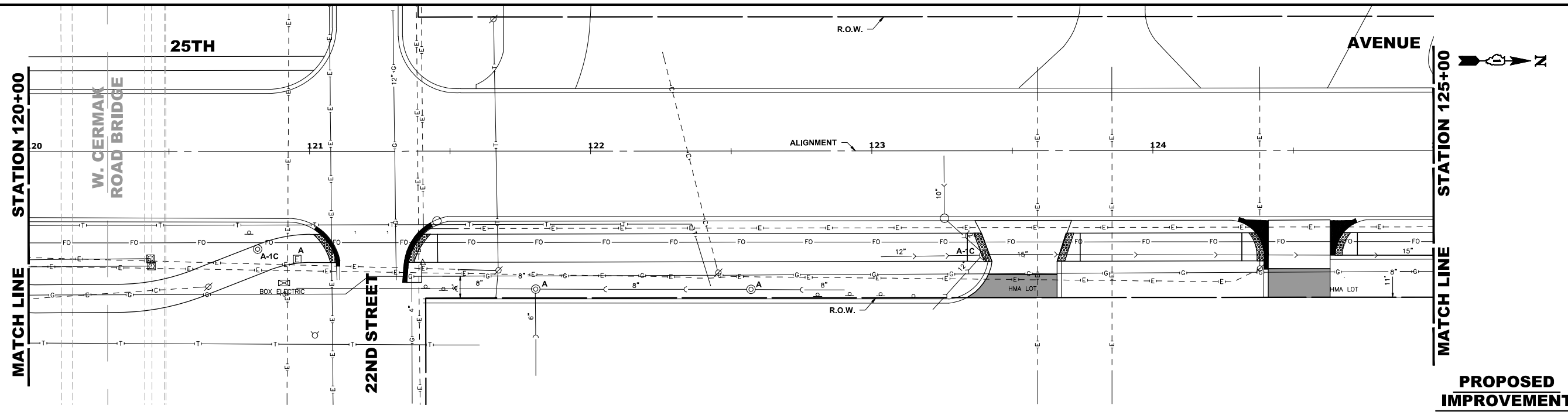
E.I.E. PROJECT NO. 120-23-28801



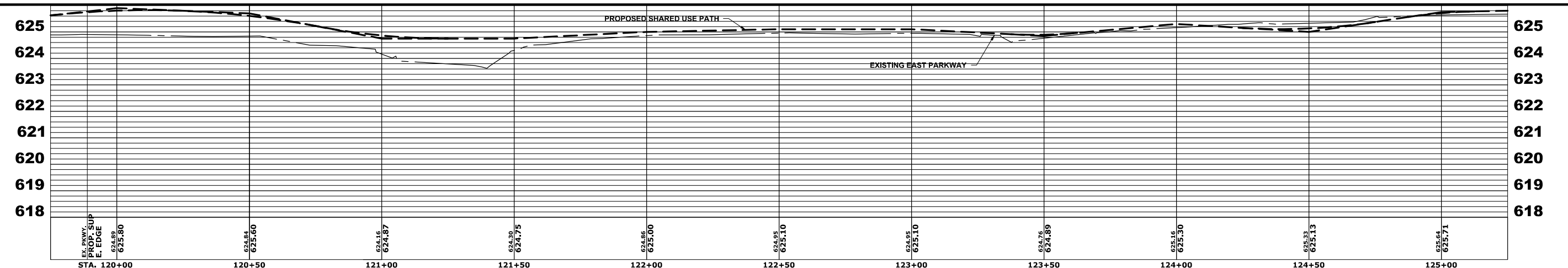
Drawing file: W:\Projects\by\_village\broaddview\20222666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

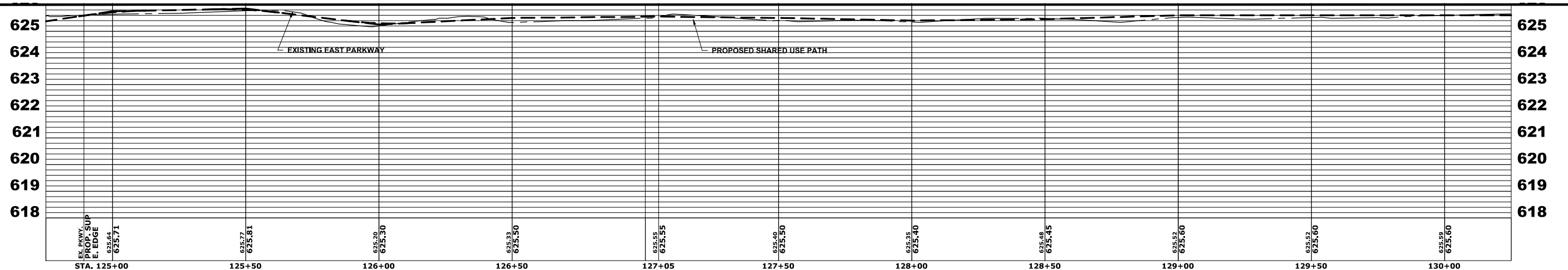
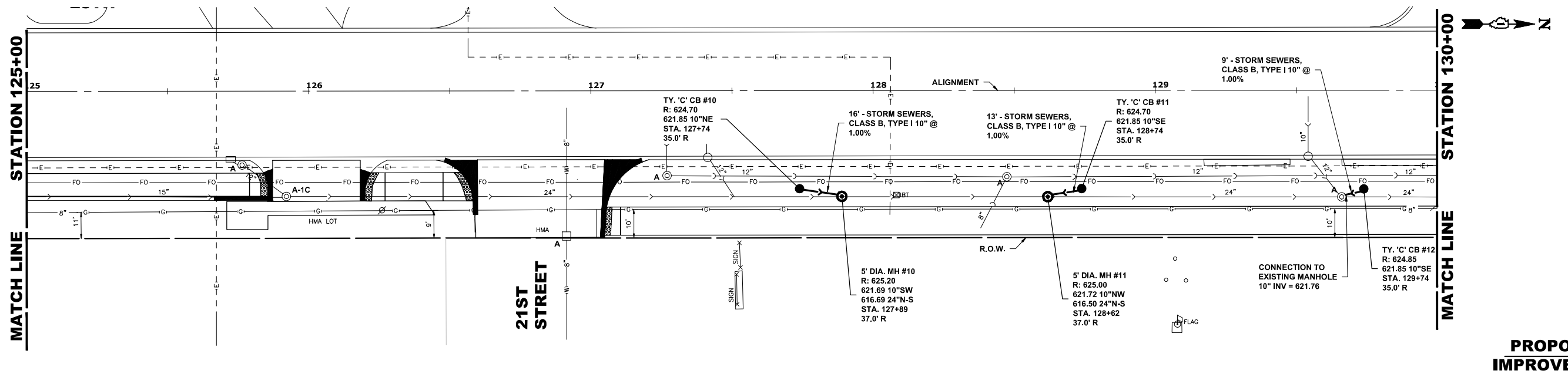
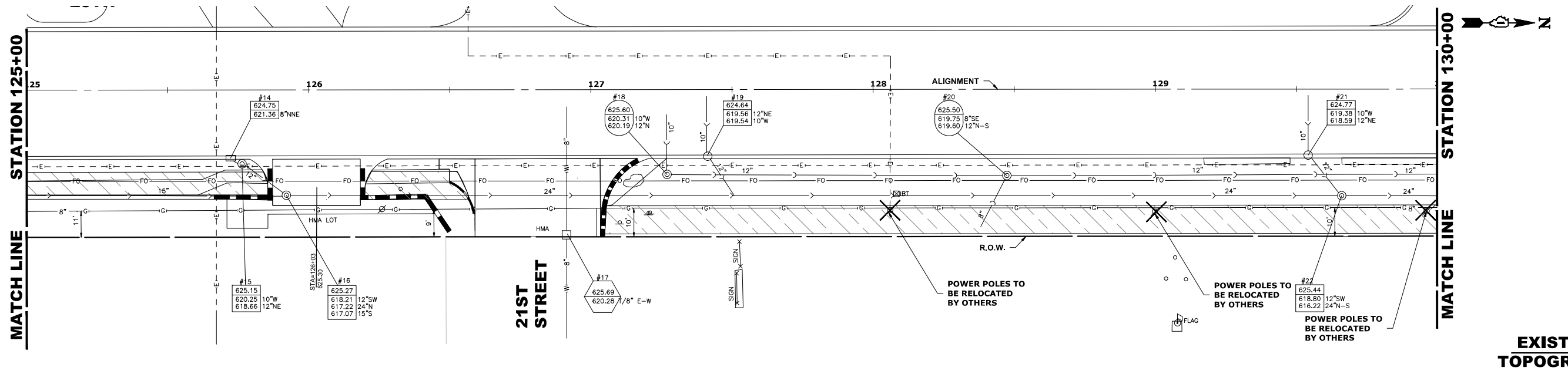
**25th AVENUE  
 UTILITY PLAN AND PROFILE**

SCALE: H:1"=20'; V:1"=2'    SHEET NO.    OF    SHEETS    STA. 120+00    TO STA. 125+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	41
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-28801

Drawing file: W:\Projects\_by\_village\Broadview\20232666 - 25th Avenue Shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

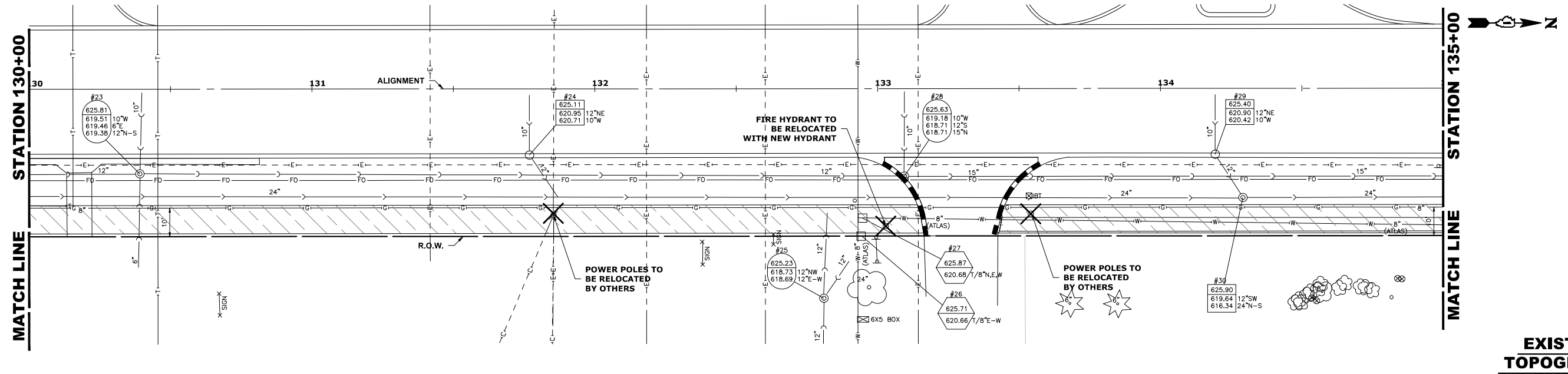
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

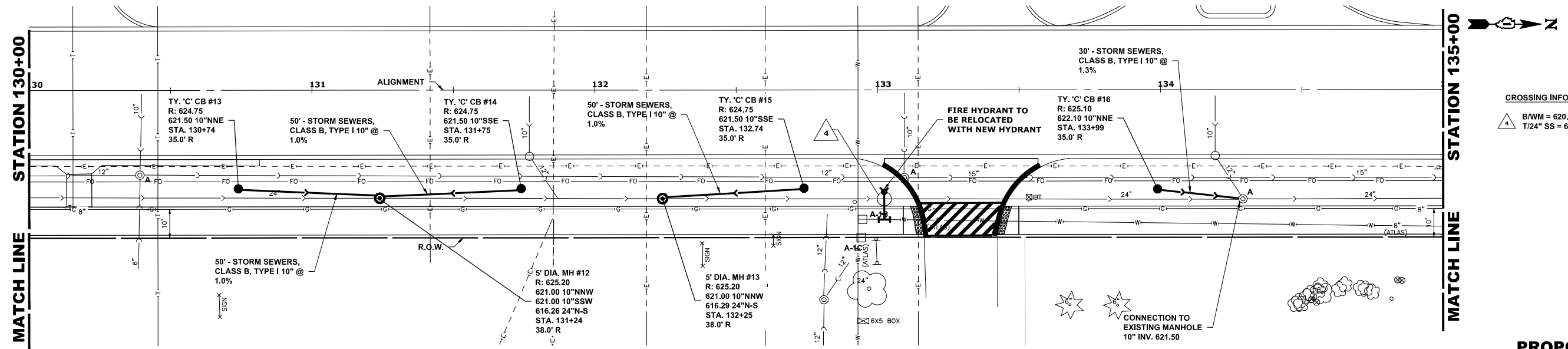
SCALE: H:1"=20'; V:1"=2' SHEET NO. OF SHEETS STA. 25+00 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-28801

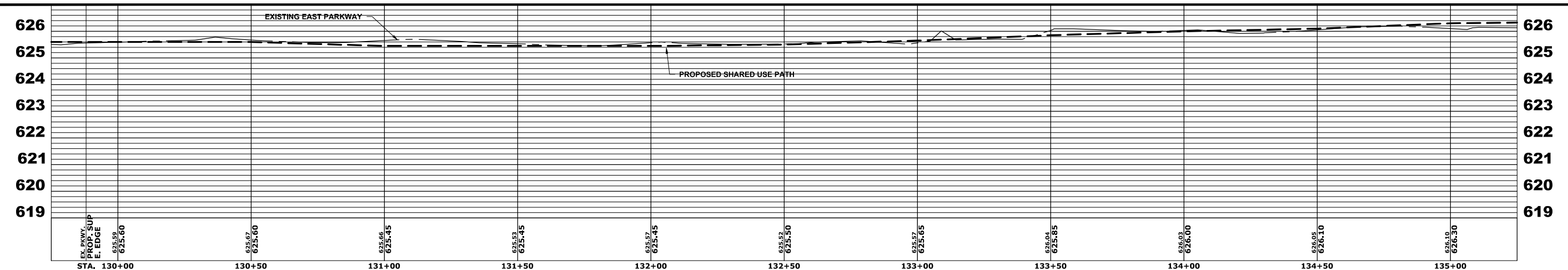


**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**

**CROSSING INFORMATION**  
 B/W/M = 620.10  
 T/24" SS = 618.57



Drawing file: W:\projects\_by\_village\broodview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

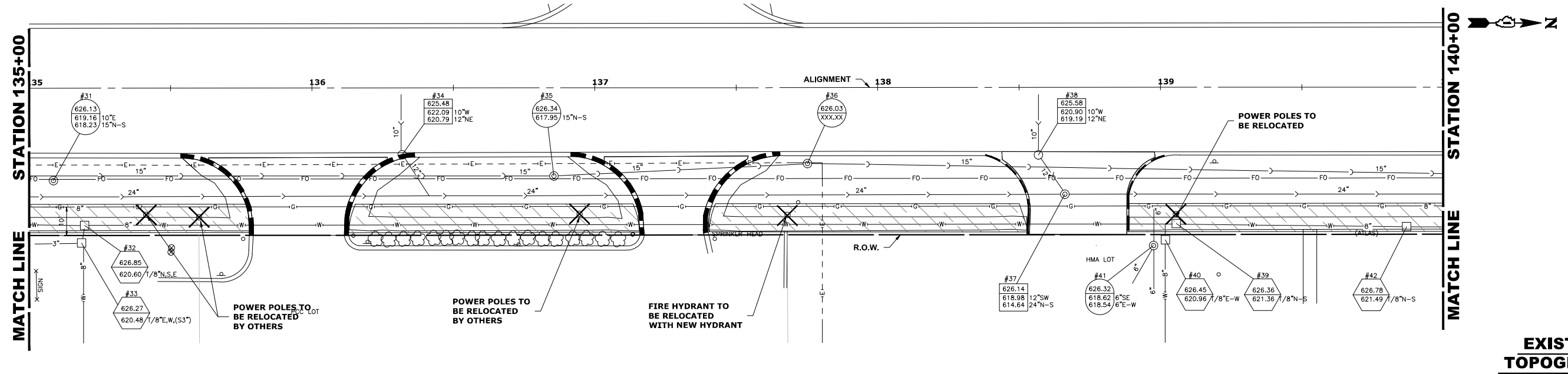
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

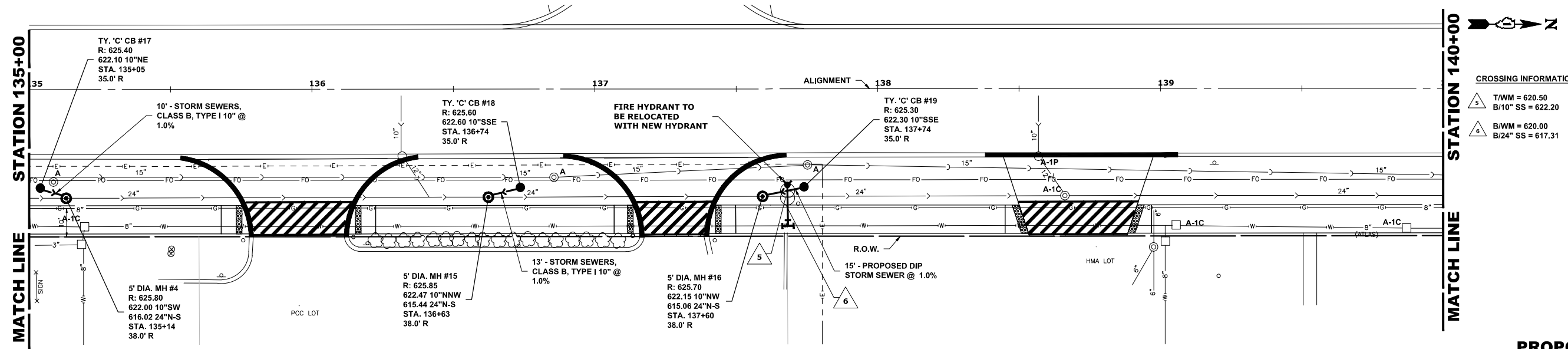
SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 30+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	43
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 61K72		

E.H.E. PROJECT NO. 120-23-28801



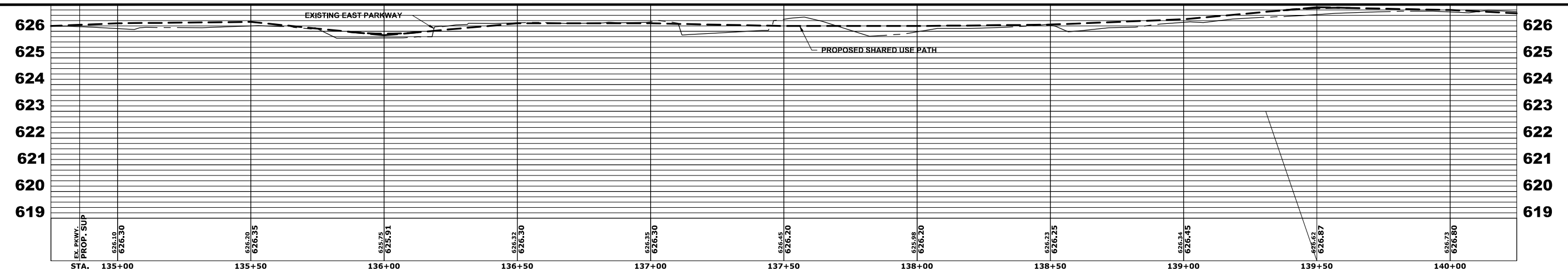
**EXISTING TOPOGRAPHY**



**CROSSING INFORMATION**

△	T/W/M = 620.50
△	B/10" SS = 622.20
△	B/W/M = 620.00
△	B/24" SS = 617.31

**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\brockview\20222266 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:02pm

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

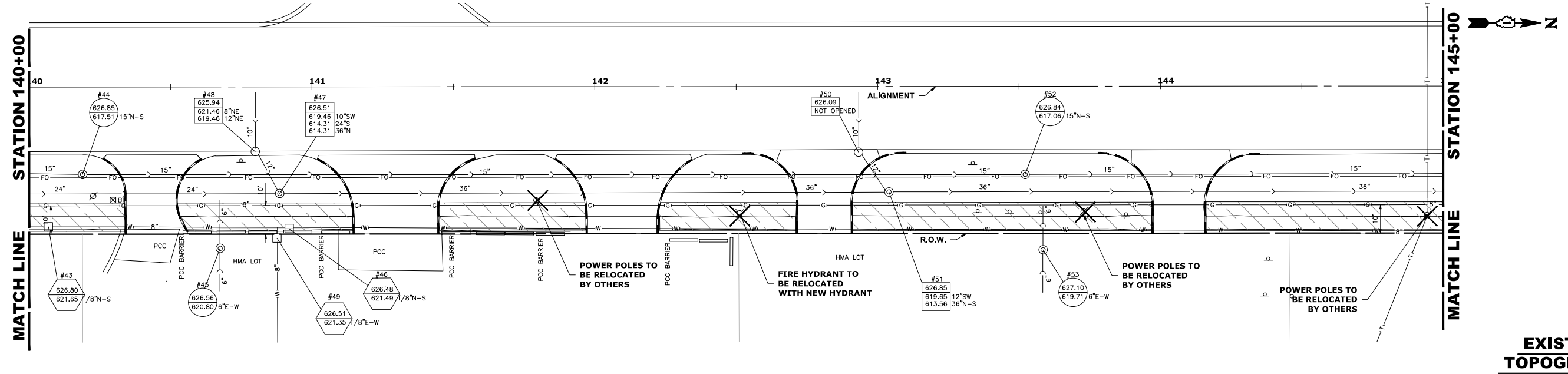
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
UTILITY PLAN AND PROFILE**

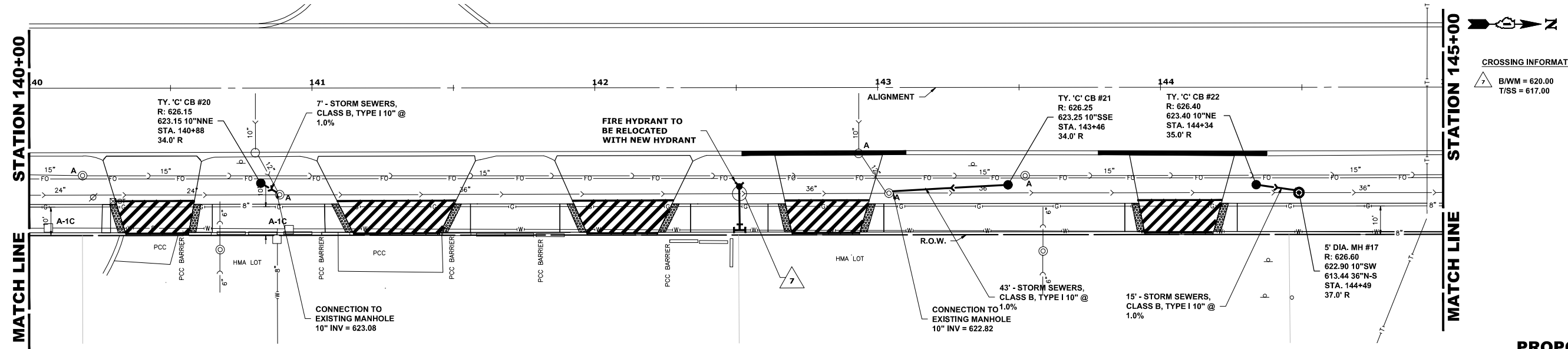
SCALE: H:1"=20', V:1"=2'    SHEET NO. OF SHEETS    STA. 35+00 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	44
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

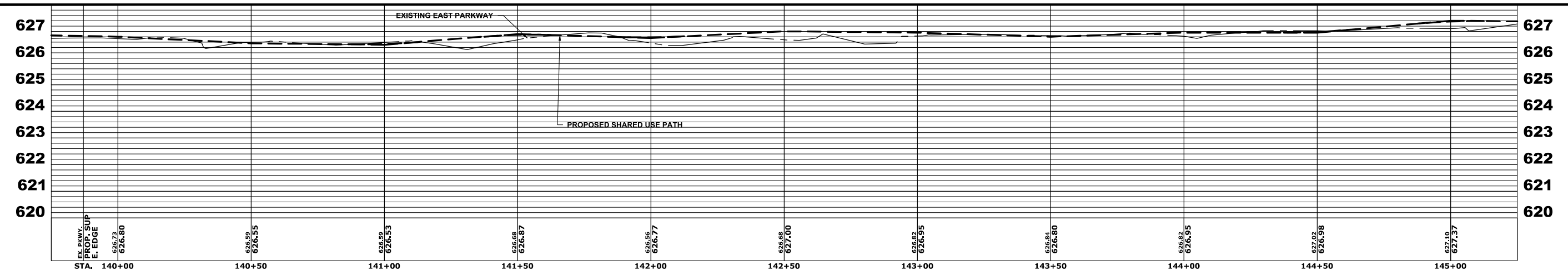
E.H.E. PROJECT NO. 120-23-28801



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\brockview\20232666 - 25th Avenue Shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:03pm

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

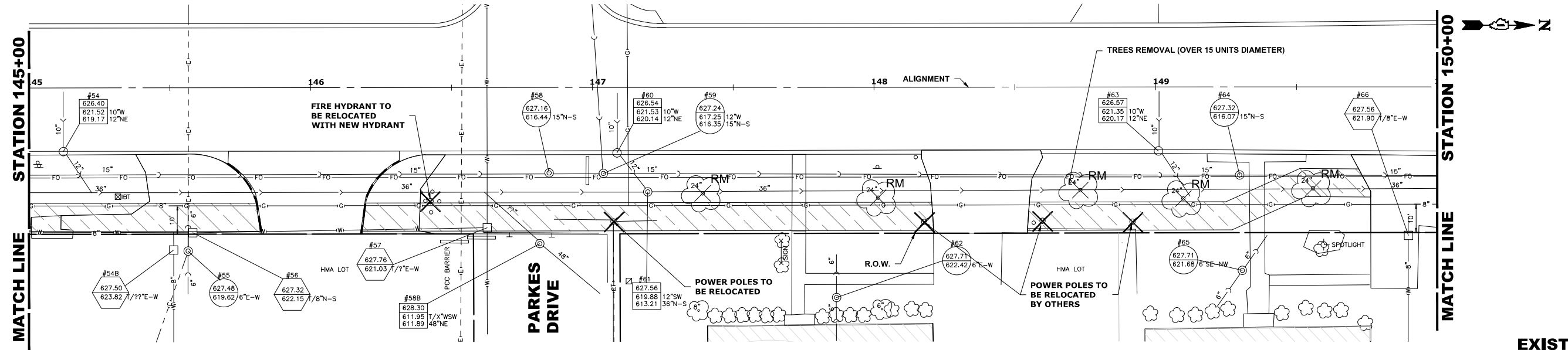
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

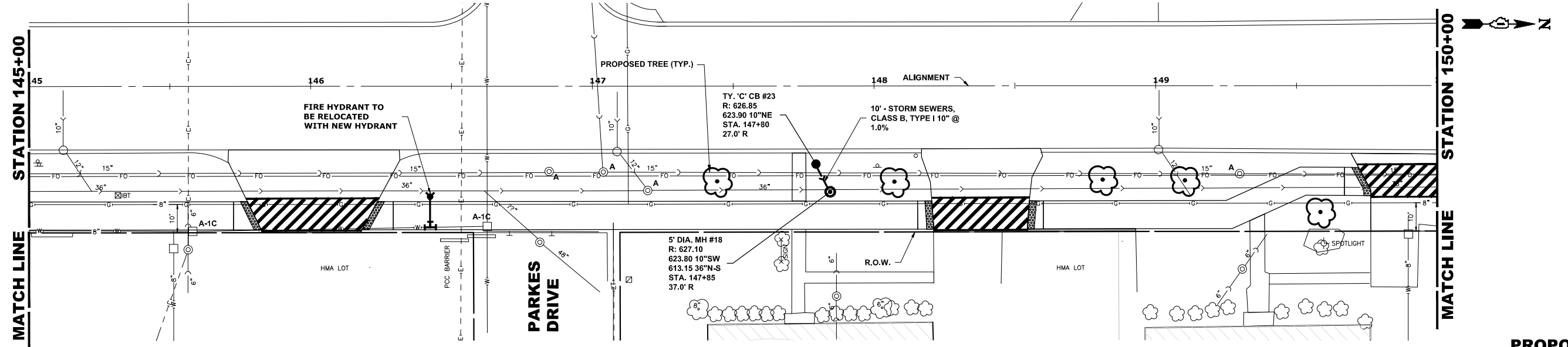
SCALE: H:1"=20', V:1"=2'    SHEET NO.    OF    SHEETS    STA. 40+00    TO STA. 45+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	45
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

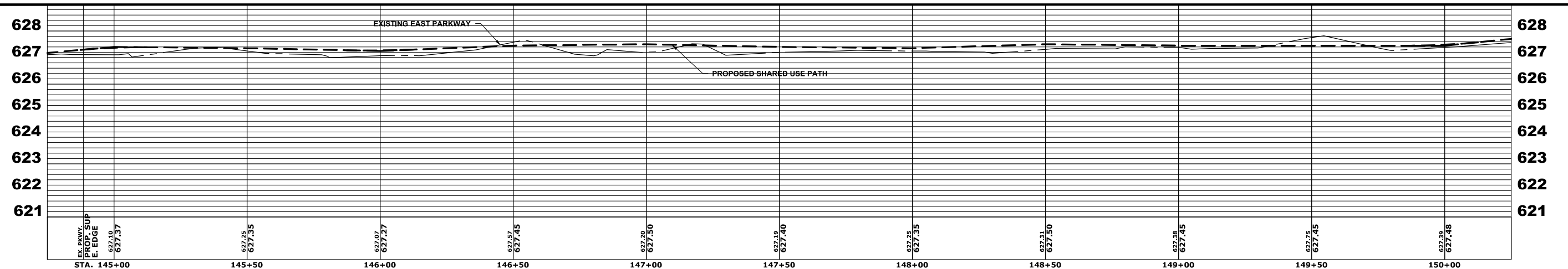
E.H.E. PROJECT NO. 120-23-26801



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\brockview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:03pm

**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

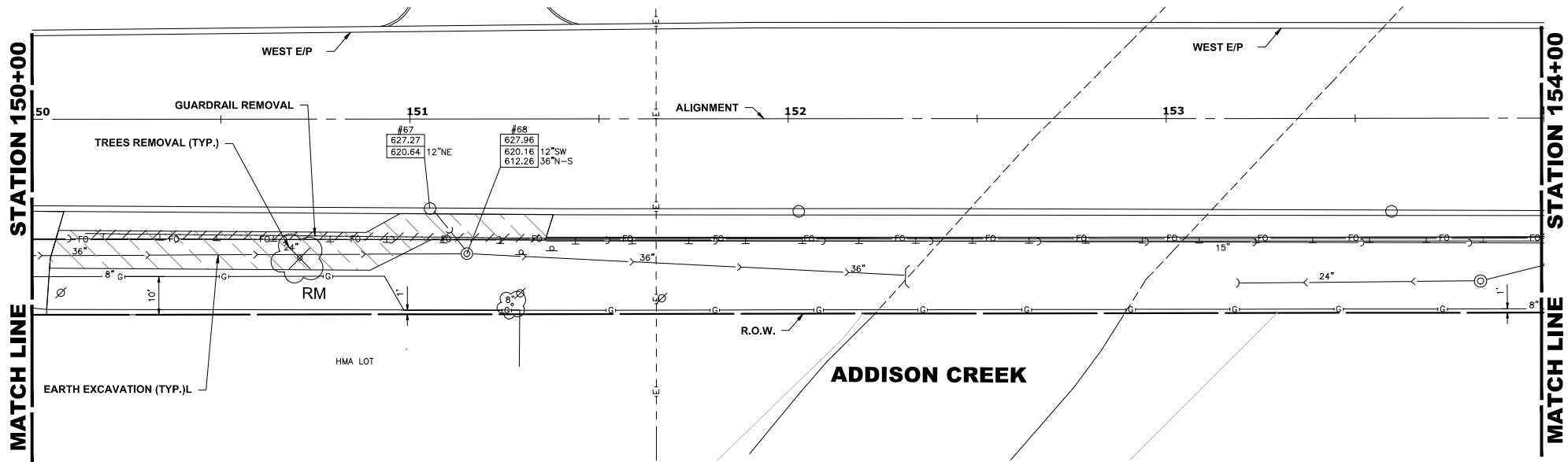
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
UTILITY PLAN AND PROFILE**

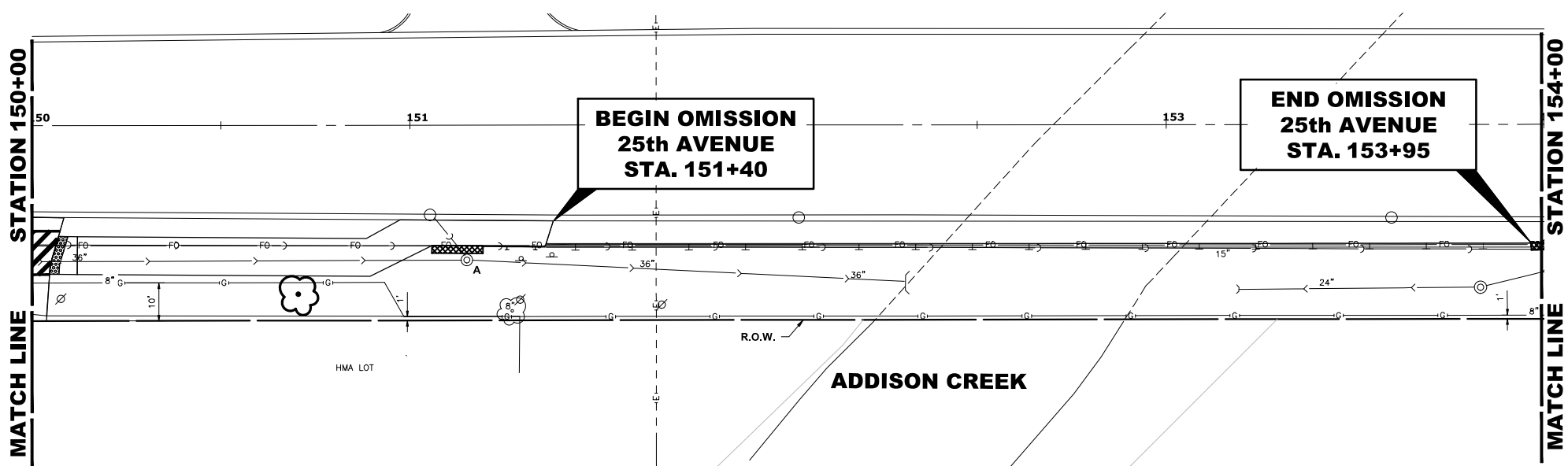
SCALE: H:1"=20'; V:1"=2' SHEET NO. OF SHEETS STA. 45+00 TO STA. 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	46
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 61K72		

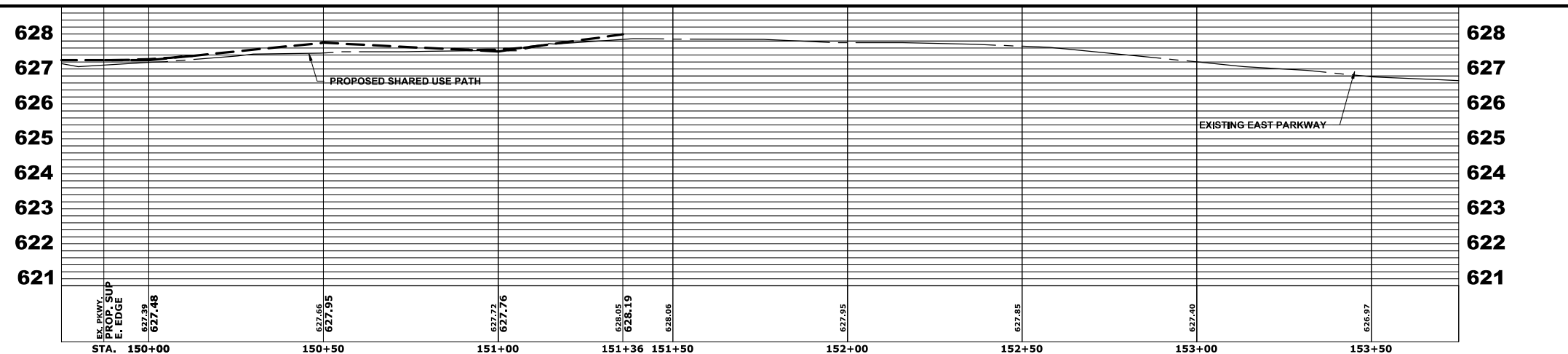
E.H.E. PROJECT NO. 120-23-28801



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\broodview\20232666 - 25th avenue shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:03pm

**HANCOCK ENGINEERING**  
 18th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

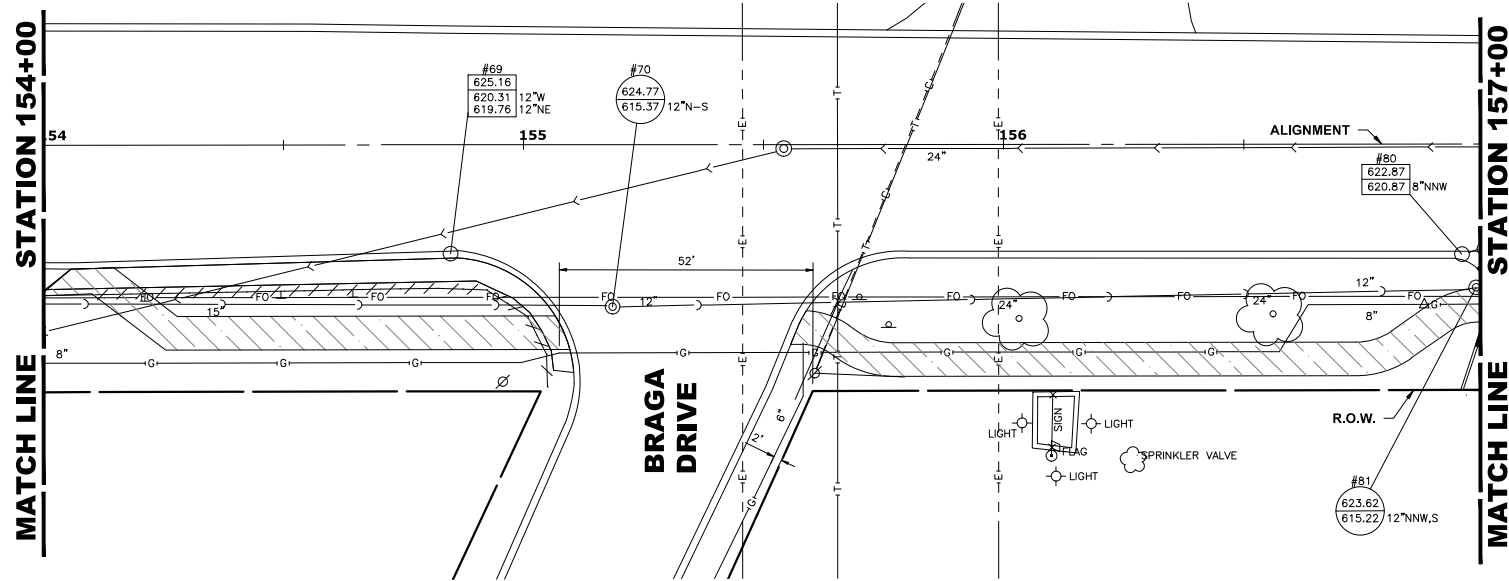
**25th AVENUE  
 UTILITY PLAN AND PROFILE**

SCALE: H:1"=20'; V:1"=2'    SHEET NO.    OF    SHEETS    STA. 50+00    TO STA. 54+00

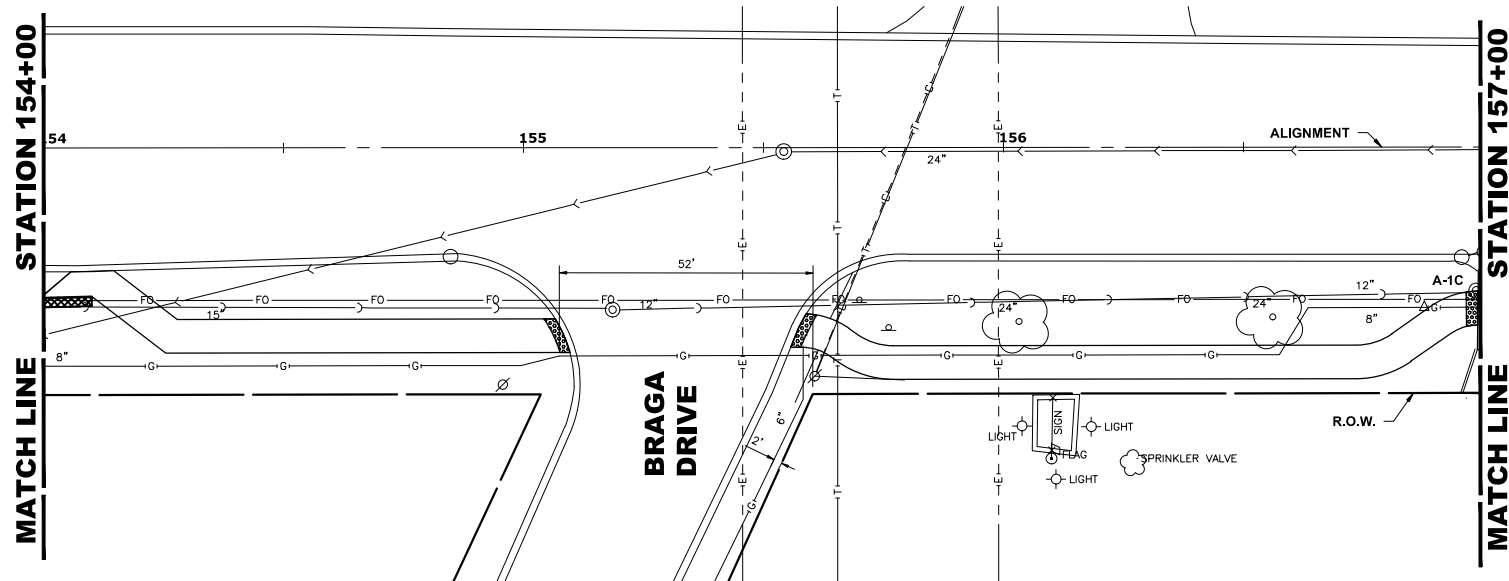
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	47
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

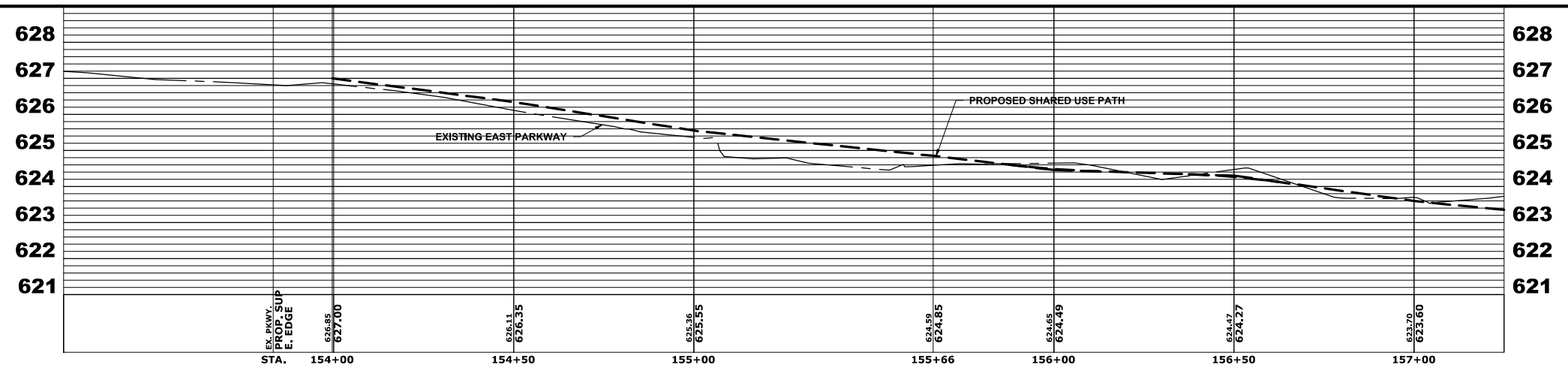
Drawing file: W:\Projects\_by\_Village\Broadview\20232666 - 25th Avenue Shared-use path phase II\SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:03pm



**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



**HANCOCK ENGINEERING**  
 15th Year of Excellence  
 ♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

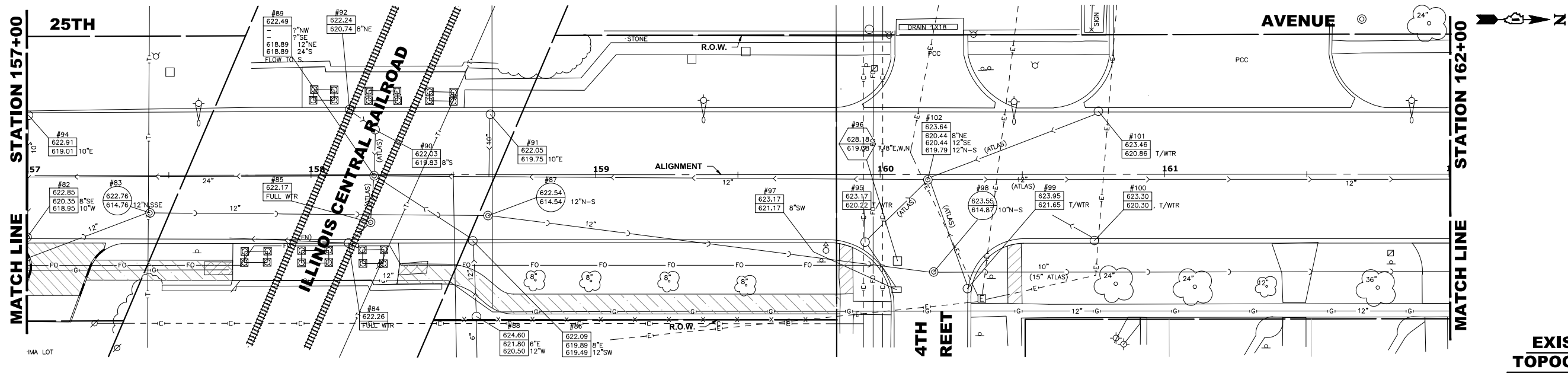
**25th AVENUE  
 UTILITY PLAN AND PROFILE**

SCALE: H:1"=20', V:1"=2' SHEET NO. OF SHEETS STA. 54+00 TO STA. 57+00

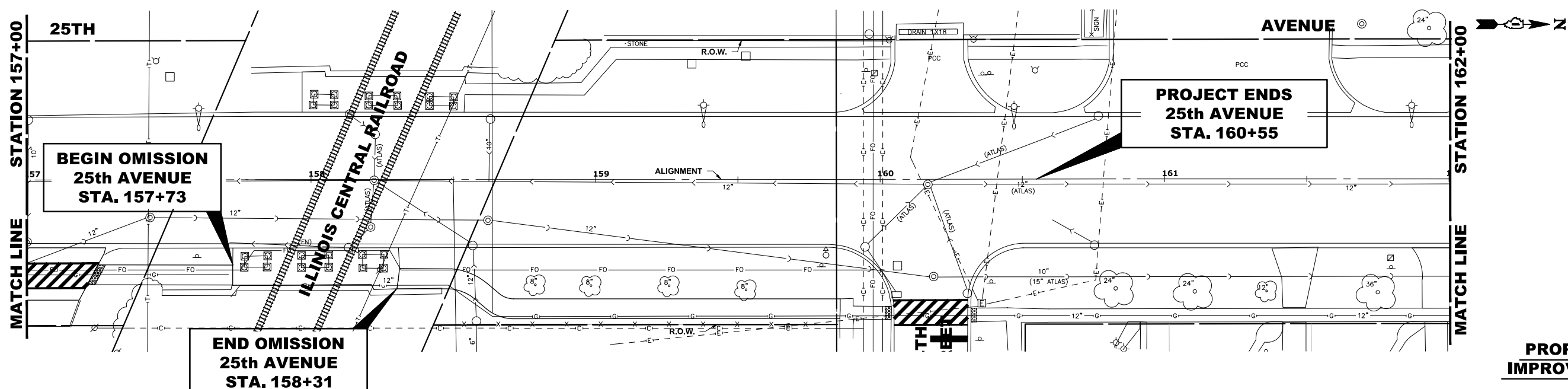
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	48
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 120-23-26801

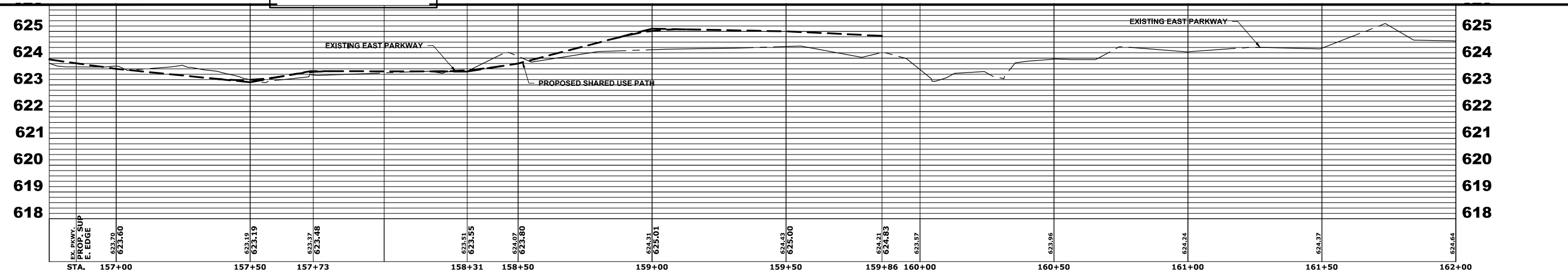




**EXISTING TOPOGRAPHY**



**PROPOSED IMPROVEMENT**



Drawing file: W:\Projects\by\_village\brockview\20222666 - 25th avenue shared-use path phase II SITE\25th Bike Path Updated.dwg Jul 17, 2024 - 12:03pm

**HANCOCK ENGINEERING**  
 15th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-865-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

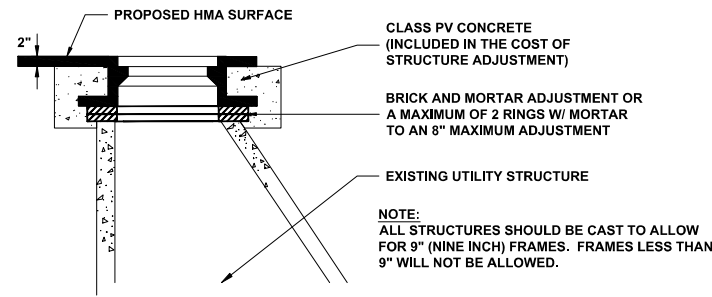
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**25th AVENUE  
 UTILITY PLAN AND PROFILE**

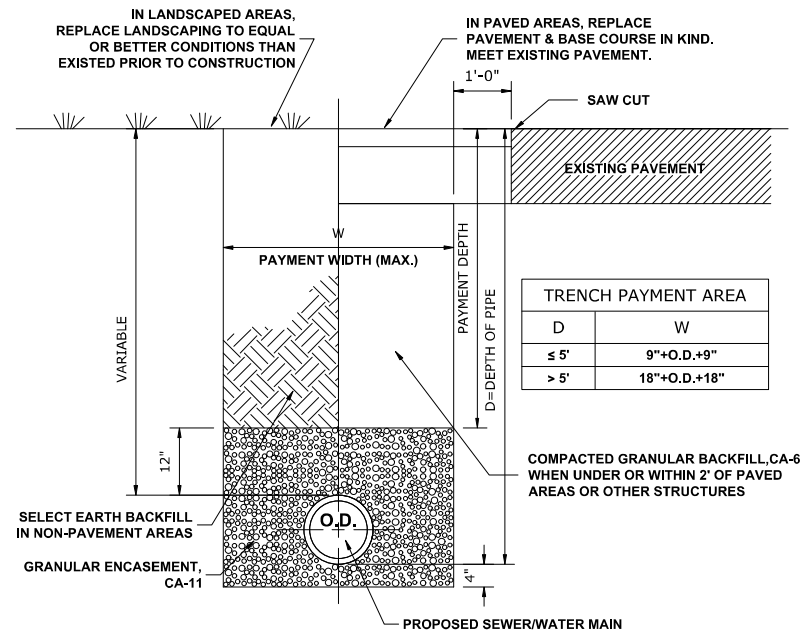
SCALE: H:1"=20', V:1"=2'    SHEET NO.    OF    SHEETS    STA. 57+00    TO STA. 62+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	49
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K72	
FED. AID PROJECT				

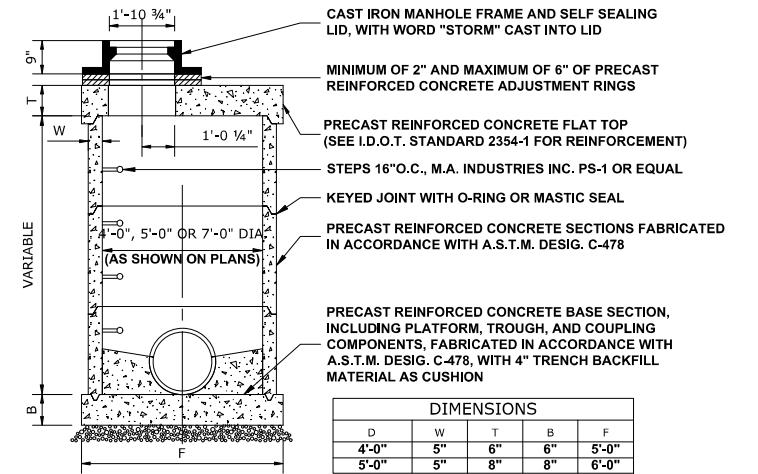
E.H.E. PROJECT NO. 120-23-28801



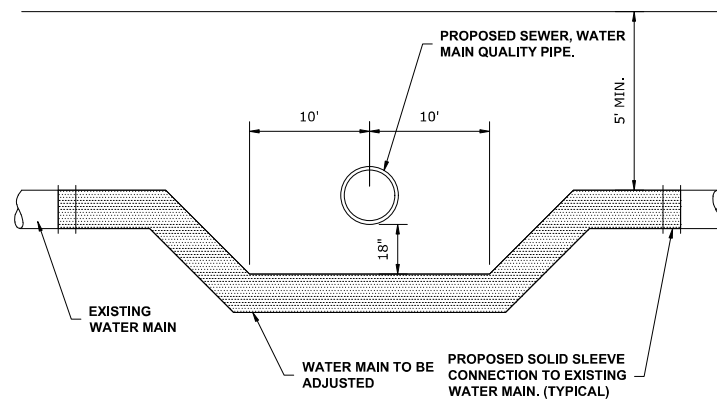
**STRUCTURE ADJUSTMENT**



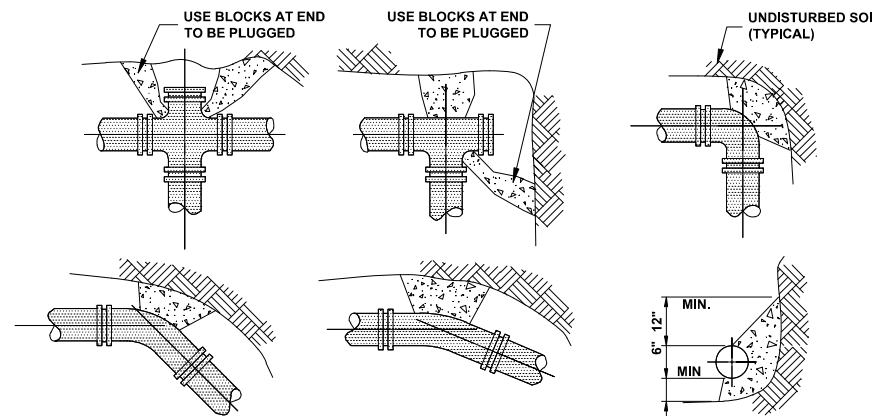
**TYPICAL SEWER AND WATER MAIN TRENCH**



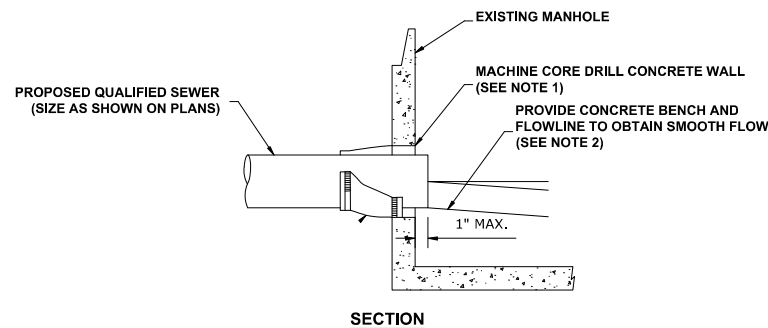
**RESTRICTED DEPTH STORM MANHOLE TYPE 1 FRAME, CLOSED LID**



**ADJUSTING WATER MAIN**

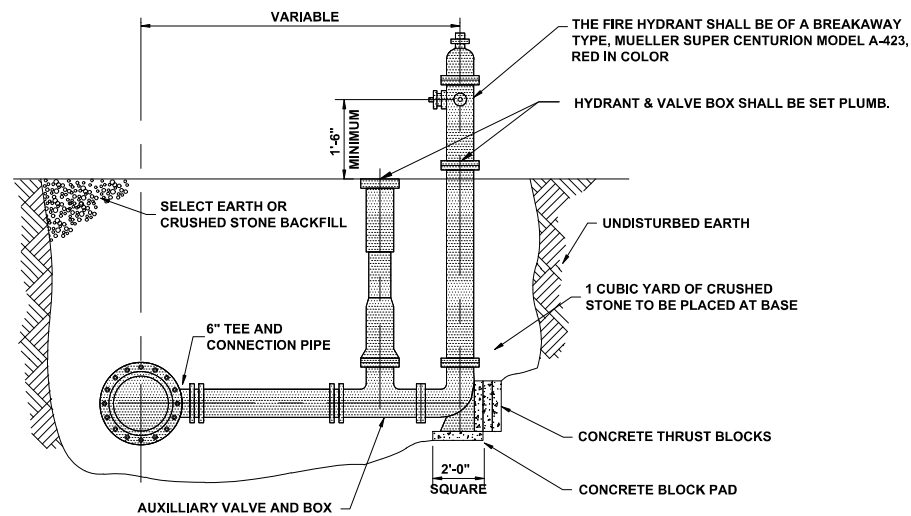


**THRUST BLOCK**

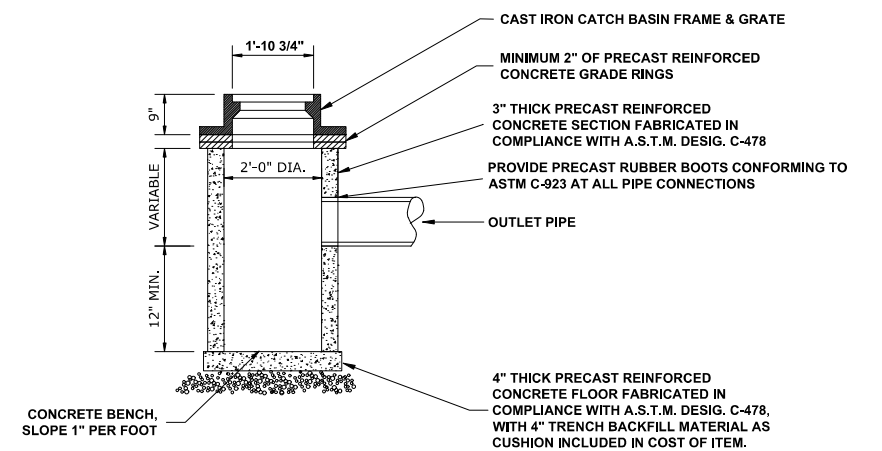


- NOTES:**
1. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED PIPE DIAMETER.
  2. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
  3. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
  4. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
  5. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

**PIPE TO EXISTING MANHOLE CONNECTION**

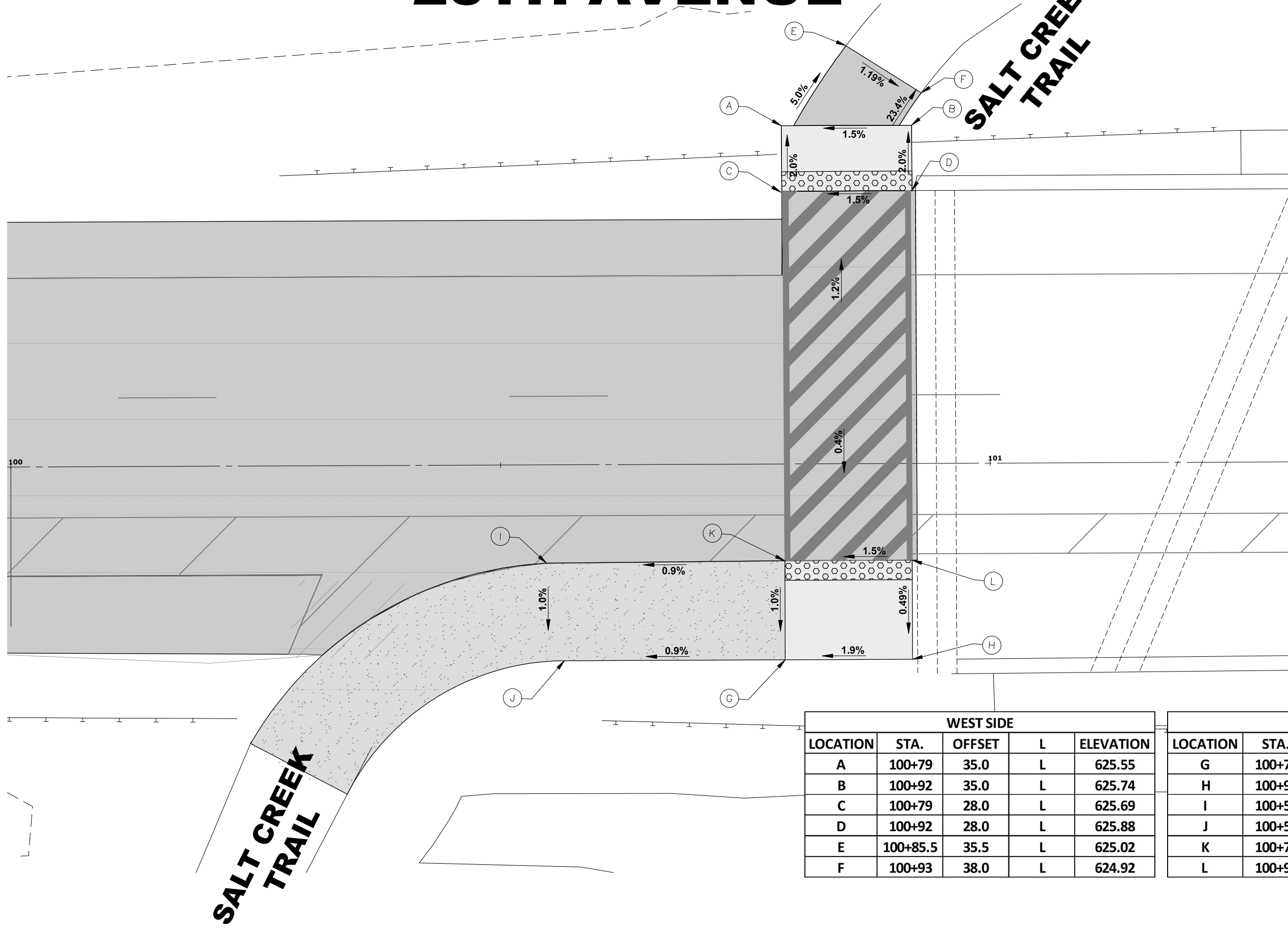


**FIRE HYDRANT**



**TY "C" CATCH BASIN**

# 25TH AVENUE



WEST SIDE				
LOCATION	STA.	OFFSET	L	ELEVATION
A	100+79	35.0	L	625.55
B	100+92	35.0	L	625.74
C	100+79	28.0	L	625.69
D	100+92	28.0	L	625.88
E	100+85.5	35.5	L	625.02
F	100+93	38.0	L	624.92

EAST SIDE				
LOCATION	STA.	OFFSET	L/R	ELEVATION
G	100+79	20.0	R	625.75
H	100+92	20.0	R	626.00
I	100+55	10.0	R	625.63
J	100+55	20.0	R	625.53
K	100+79	10.0	R	625.85
L	100+92	10.0	R	626.05

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SHE\_25th Bike Path Updated.dwg Jul 17, 2024 - 11:25am



18th Years of  
 Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

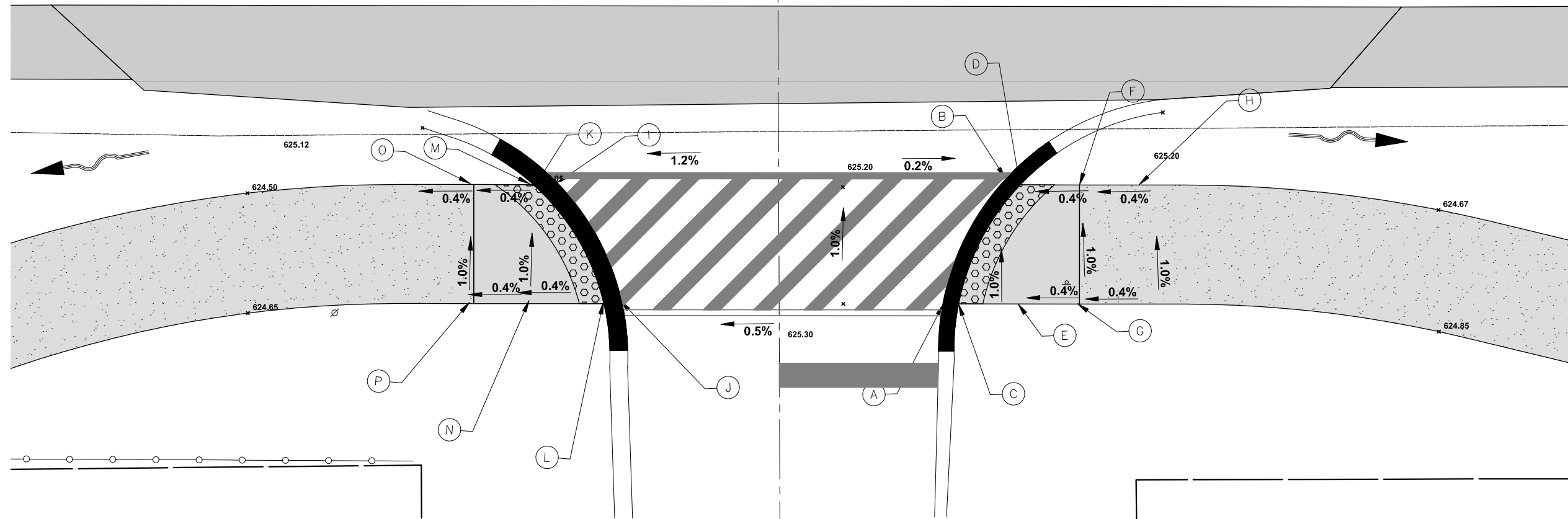
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SALT CREEK BRIDGE WEST**  
**ADA RAMP DETAILS**  
 SCALE: 1" = 5'  
 SHEET NO. 1 OF 7 SHEETS  
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	51
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

# 25TH AVENUE



## ERICA DRIVE

NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	112+09	45.0	R	624.78
B	112+09	35.0	R	624.68
C	112+10	45.0	R	624.79
D	112+10	35.0	R	624.69
E	112+15	45.0	R	624.81
F	112+15	35.0	R	624.71
G	112+20	45.0	R	624.83
H	112+20	35.0	R	624.73

SOUTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
I	111+81	32.0	R	624.56
J	111+81	42.0	R	624.66
K	111+80	32.0	R	624.57
L	111+80	42.0	R	624.67
M	111+75	33.0	R	624.55
N	111+75	43.0	R	624.65
O	111+70	35.0	R	624.53
P	111+70	45.0	R	624.63



Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

25TH AVENUE AT ERICA DRIVE  
 ADA RAMP DETAILS

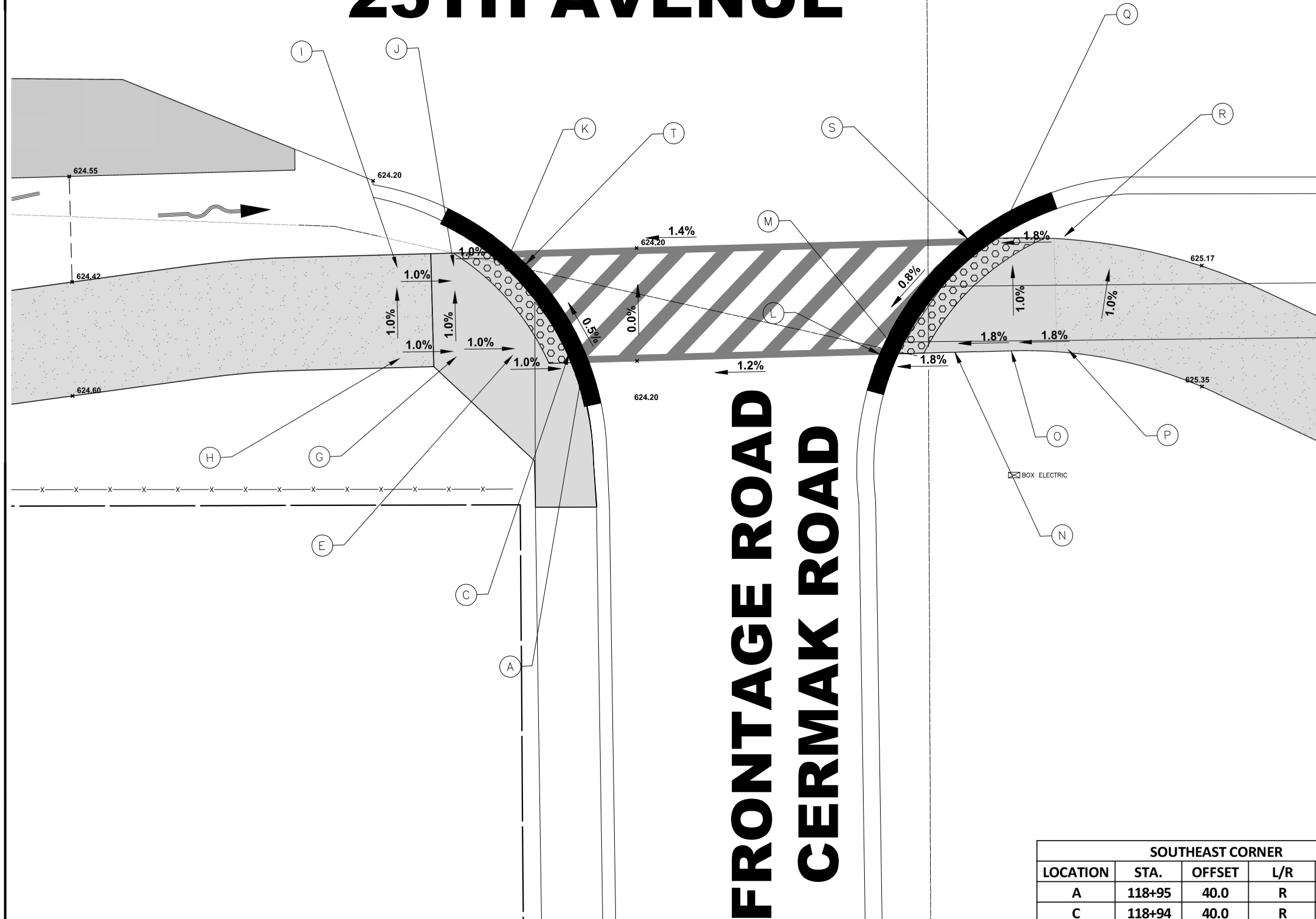
SCALE: 1" = 5'    SHEET NO. 2 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	52
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 61K72	

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SHE\25th Ave Path Updated.dwg    Jul 17, 2024 - 11:25am

E.H.E. PROJECT NO. 120-23-26801

# 25TH AVENUE

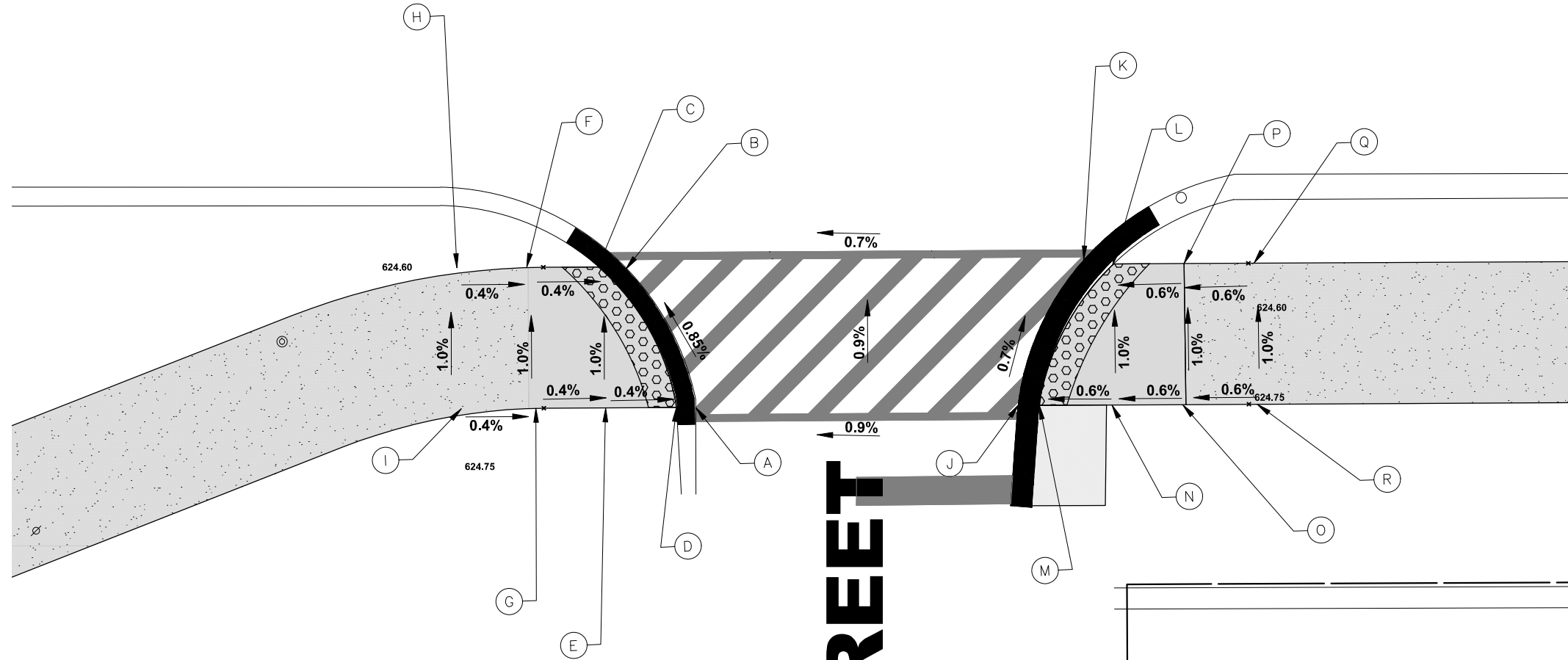


## FRONTAGE ROAD CERMAK ROAD

SOUTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	118+95	40.0	R	624.08
C	118+94	40.0	R	624.09
E	118+89	40.0	R	624.14
G	118+84	40.0	R	624.19
H	118+79	40.0	R	624.24
I	118+79	30.0	R	624.14
J	118+84	30.0	R	624.09
K	118+89	30.0	R	624.04
T	118+90	30.0	R	624.03

NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
L	119+23	38.0	R	624.45
M	119+24	38.0	R	624.46
N	119+29	39.0	R	624.55
O	119+34	38.0	R	624.64
P	119+39	38.0	R	624.73
Q	119+34	28.0	R	624.54
R	119+39	28.0	R	624.63
S	119+33	29.0	R	624.53

# 25TH AVENUE



## 22ND STREET

SOUTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	121+09	39.0	R	624.15
B	121+04	29.0	R	624.07
C	121+03	29.0	R	624.08
D	121+08	39.0	R	624.16
E	121+03	39.0	R	624.18
F	120+98	29.0	R	624.10
G	120+98	39.0	R	624.20
H	120+93	29.0	R	624.12
I	120+93	39.0	R	624.22

NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
J	121+34	39.0	R	624.35
K	121+39	29.0	R	624.28
L	121+40	29.0	R	624.29
M	121+35	39.0	R	624.36
N	121+40	39.0	R	624.39
O	121+45	39.0	R	624.42
P	121+45	29.0	R	624.32
Q	121+50	29.0	R	624.35
R	121+50	39.0	R	624.45



18th Years of  
 Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

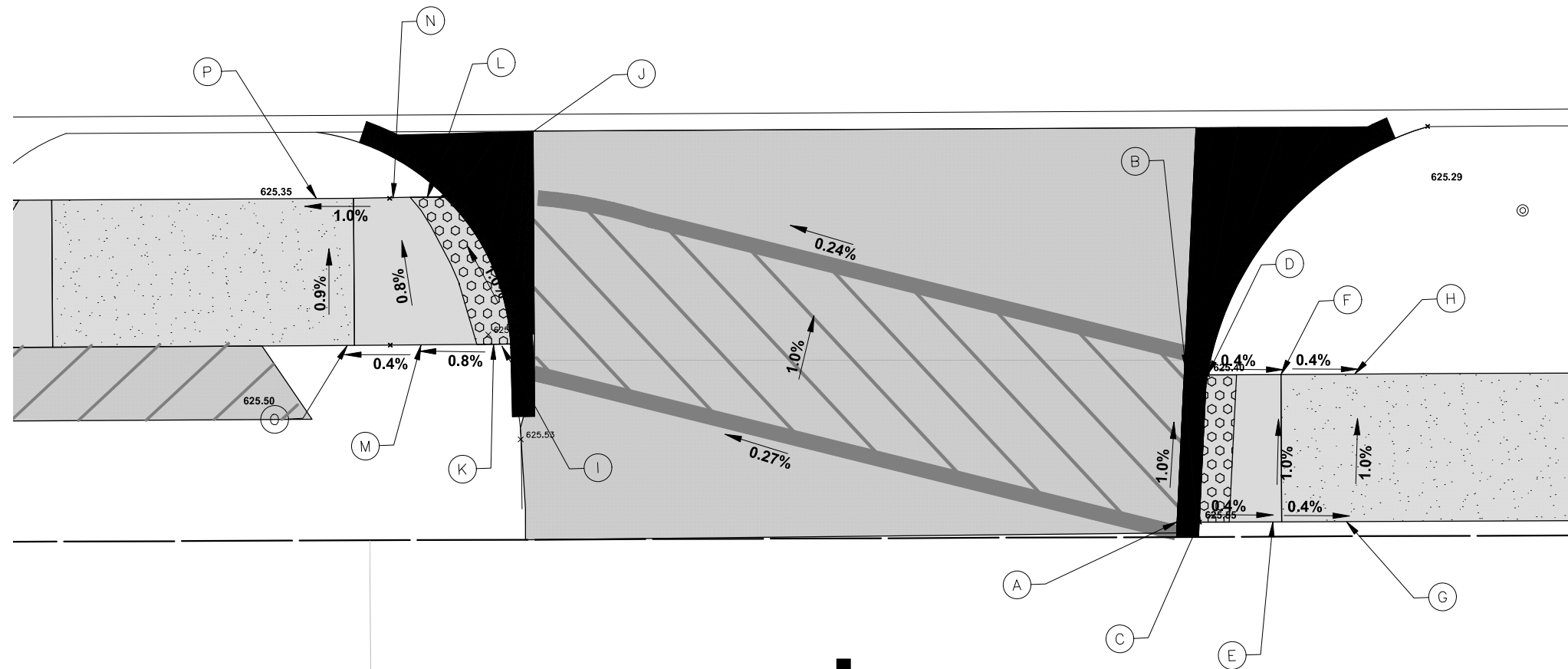
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

25TH AVENUE AT 22ND STREET  
 ADA RAMP DETAILS

SCALE: 1" = 5'    SHEET NO. 4 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	54
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

# 25TH AVENUE



# 21ST STREET

NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	127+06	51.0	R	625.53
B	127+06	41.0	R	625.43
C	127+07	51.0	R	625.54
D	127+07	41.0	R	625.44
E	127+12	51.0	R	625.52
F	127+12	41.0	R	625.42
G	127+17	51.0	R	625.50
H	127+17	41.0	R	625.40

SOUTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
I	126+60	39.0	R	625.41
J	126+55	29.0	R	625.31
K	126+57	39.0	R	625.42
L	126+54	29.0	R	625.32
M	126+52	39.0	R	625.40
N	126+52	29.0	R	625.34
O	126+47	39.0	R	625.38
P	126+47	29.0	R	625.29



Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

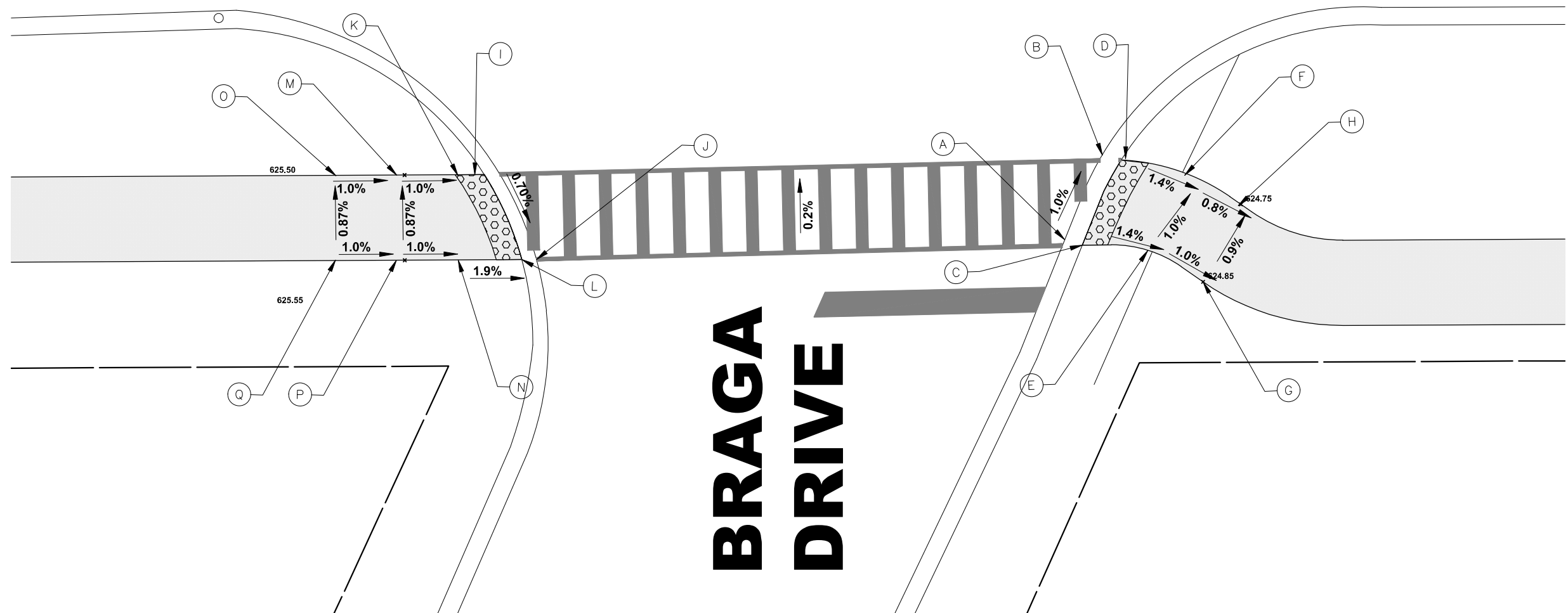
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

25TH AVENUE AT 21ST STREET  
 ADA RAMP DETAILS

SCALE: 1" = 5'    SHEET NO. 5 OF 7 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	55
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 61K72	

# 25TH AVENUE



## BRAGA DRIVE

SOUTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
I	155+05	33.0	R	624.88
J	155+12	43.0	R	624.81
K	155+04	33.0	R	624.89
L	155+11	43.0	R	624.82
M	154+99	33.0	R	624.94
N	155+04	43.0	R	624.95
O	154+94	33.0	R	624.99
P	154+99	43.0	R	625.02
Q	154+94	43.0	R	625.07

NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	155+55	41.0	R	624.22
B	155+61	31.0	R	624.12
C	155+57	42.0	R	624.23
D	155+62	32.0	R	624.13
E	155+63	43.0	R	624.16
F	155+67	33.0	R	624.06
G	155+68	46.0	R	624.11
H	155+72	36.0	R	624.02



Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

25TH AVENUE AT BRAGA DRIVE  
 ADA RAMP DETAILS

SCALE: 1" = 5'    SHEET NO. 6 OF 7 SHEETS    STA.    TO STA.

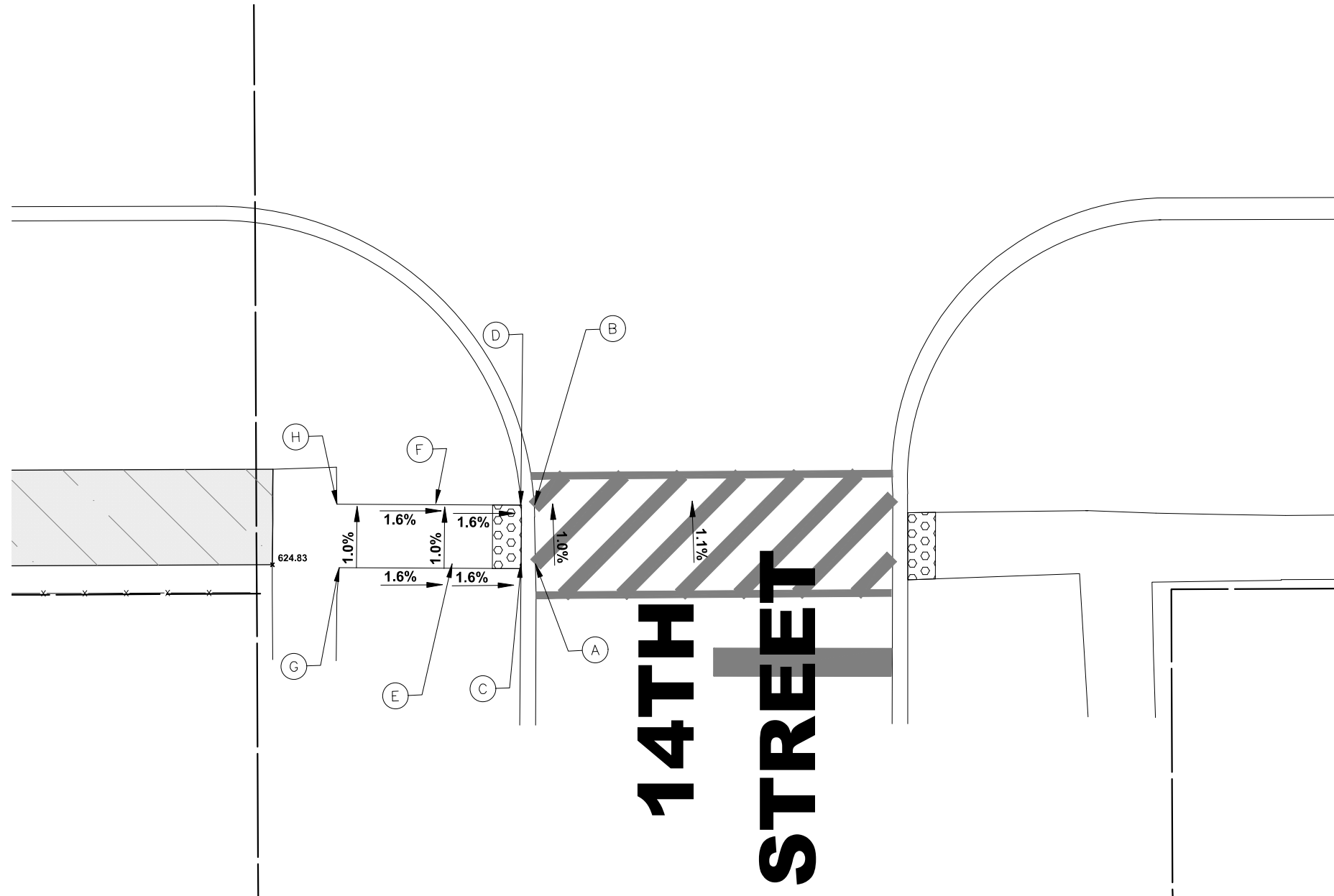
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	56
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 61K72				

Drawing file: W:\projects\_by\_village\roadview\12022668 - 25th avenue shared-use path phase II\SHE\_25th Bldg Path Updated.dwg    Jul 17, 2024 - 11:26am

E.H.E. PROJECT NO. 120-23-26801



# 25TH AVENUE



NORTHEAST CORNER				
LOCATION	STA.	OFFSET	L/R	ELEVATION
A	160+06	49.0	R	623.38
B	160+05	39.0	R	623.28
C	160+05	49.0	R	623.39
D	160+04	39.0	R	623.29
E	159+99	49.0	R	623.47
F	159+99	39.0	R	623.37
G	159+94	49.0	R	623.55
H	159+94	39.0	R	623.45

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\25th Bldg Path Updated.dwg Jul 17, 2024 - 11:26am



9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION









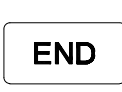
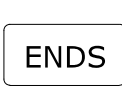

25TH AVENUE AT BRAGA DRIVE  
ADA RAMP DETAILS


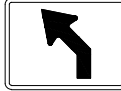

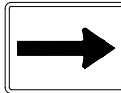
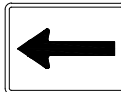




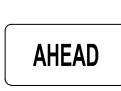
SCALE: 1" = 5' SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	57
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SHEET\_40\_SCALE.dwg Jul 17, 2024 - 12:05pm

BIKE SIGNAGE			
SIGN	MUTCD CODE	SIZE	DESCRIPTION
	D11-1	24" x 18"	BIKE ROUTE
	W11-2	18" x 18"	PEDESTRIAN CROSSING
	W11-1	36" x 36"	BIKE CROSSING
	W11-15	36" x 36"	BIKE AND PEDESTRIAN CROSSING
	W11-1R	18" x 18"	DIRECTIONAL ARROW
	R1-1	18" x 18"	STOP
	R1-2	18" x 18"	YIELD
	M4-14	12" x 6"	BEGIN
	M4-6	12" x 6"	END
	R3-17b	12" x 6"	ENDS
	W11-15P	12" x 6"	TRAIL CROSSING

BIKE SIGNAGE			
SIGN	MUTCD CODE	SIZE	DESCRIPTION
	W5-4a	18" x 18"	PATH NARROWS
	M5-2	12" x 18"	DIRECTIONAL ARROW
	M6-4	12" x 9"	DIRECTIONAL ARROW
	M6-1	12" x 9"	DIRECTIONAL ARROW
	M6-1	12" x 9"	DIRECTIONAL ARROW
	M6-2L	24" x 18"	DIRECTIONAL ARROW
	M6-2R	24" x 18"	DIRECTIONAL ARROW
	W16-7P	24" x 12"	DOWNWARD DIAGONAL ARROW
	W3-1	18" x 18"	STOP AHEAD
	W16-9P	24' x 12"	AHEAD

**SIGNING NOTES:**

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 1975.

CONSTRUCTION: CURRENTS STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, AND APPLICABLE SPECIAL PROVISIONS.

LOADING: FOR 80 MPH WIND VELOCITY WITH 30% GUST FACTOR, NORMAL TO SIGN.

SOIL PRESSURE: MINIMUM ALLOWABLE SOIL PRESSURE = 1.25 TSF.

MATERIALS: POSTS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.29, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF ILLINOIS.

HARDWARE FOR ATTACHING SIGN PANELS TO POSTS SHALL BE CADMIUM OR ZINC COATED STEEL, STAINLESS STEEL, OR ALUMINUM, AND SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: CADMIUM OR ZINC COATED STEEL: BOLTS, NUTS, AND WASHERS: ASTM A165, TYPE NS. ZINC COATED IN ACCORDANCE WITH AASHTO M-232 OR ASTM A164, TYPE GS.

STAINLESS STEEL: BOLTS: ASTM A193, CLASS I, GRADE B8, NUTS: ASTM A194, GRADE 8 OR 8F, WASHERS: ASTM A240, TYPE 302 OR 304.

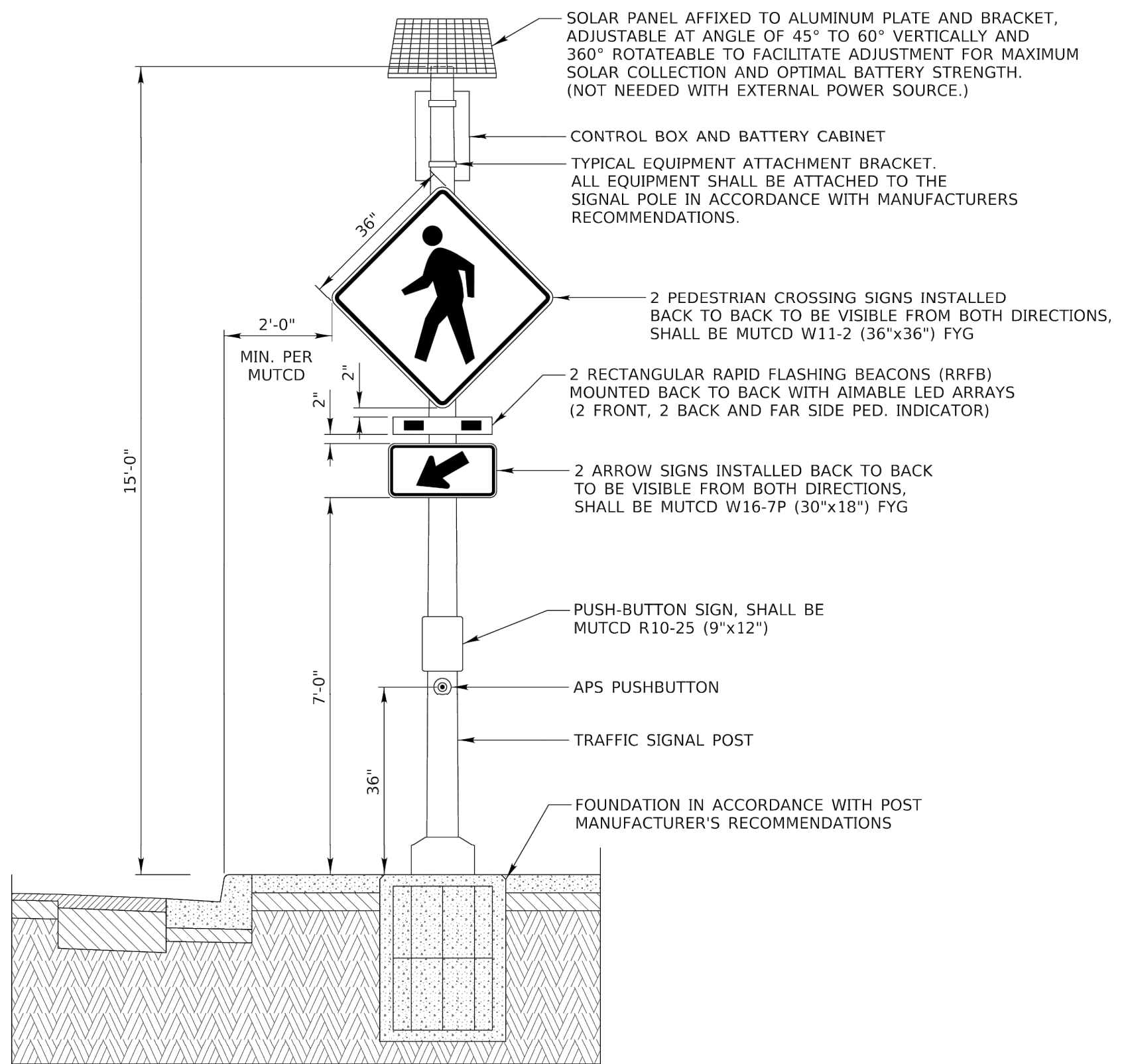
ALUMINUM: BOLTS: ASTM B211 ALLOY 6061-T6 OR 2024-T4, NUTS: ASTM B211 ALLOY 6061-T6 OR 6262-T9, WASHERS: ASTM B209 ALCLAD 2024-T4.

**NOTE:** PER 2009 MUTCD SECTION 2D.43, PARAGRAPH 03, STREET NAME SIGNS ARE TO BE MIXED CASE FONT.

SYMBOL  DESCRIPTION METAL POST - TYPE A

E.H.E. PROJECT NO. 12U-23-26801

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:05pm



DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RECTANGULAR RAPID FLASHING BEACON DETAIL**

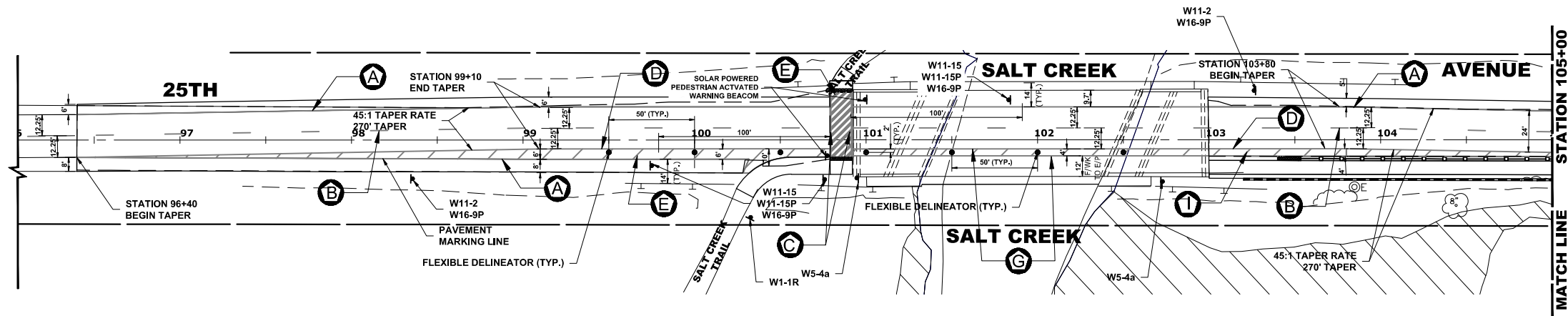
SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	59
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

**HANCOCK ENGINEERING**  
 188 Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0900  
 www.hancock.com

E.H.E. PROJECT NO. 120-23-26801



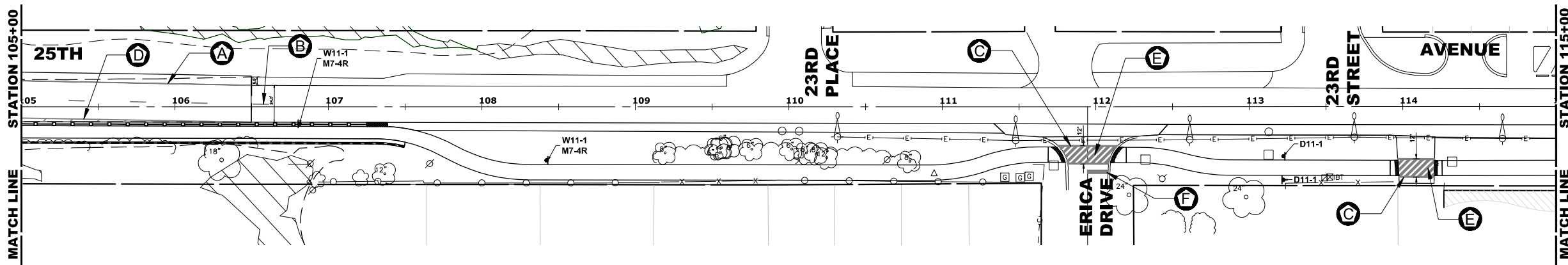
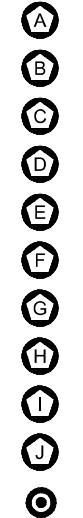
**NOTE:**

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
2. ALL SIGNS TO BE REMOVED BY CONTRACTOR TO BE DELIVERED TO VILAGE FOR STORAGE.
3. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
4. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
6. CROSSWALK 12" BARS SPACED AT 3' CENTER TO CENTER
7. SIGNS TO BE BANDED TO LIGHT POST AS DIRECTED BY ENGINEER COST FOR BANDING TO BE INCLUDED IN THE COST OF "SIGN PANEL".
8. SEE RECTANGULAR RAPID FLASHING BEACON DETAIL.

**ITEM DESCRIPTION**

**SYMBOL**

- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - WHITE (A)
- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW (B)
- THERMOPLASTIC PAVEMENT MARKING - LINE 6" - WHITE (C)
- THERMOPLASTIC PAVEMENT MARKING - LINE 8" - WHITE (D)
- THERMOPLASTIC PAVEMENT MARKING - LINE 12" - WHITE (E)
- THERMOPLASTIC PAVEMENT MARKING - LINE 24" - WHITE (F)
- MODIFIED URETHANE PAVEMENT MARKING LINE 4" - WHITE (G)
- MODIFIED URETHANE PAVEMENT MARKING LINE 6" - WHITE (H)
- MODIFIED URETHANE PAVEMENT MARKING LINE 12" - WHITE (I)
- MODIFIED URETHANE PAVEMENT MARKING LINE 24" - WHITE (J)
- FLEXIBLE DELINEATOR (O)



Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:05pm



9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-946-0300  
www.hancock.com

- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

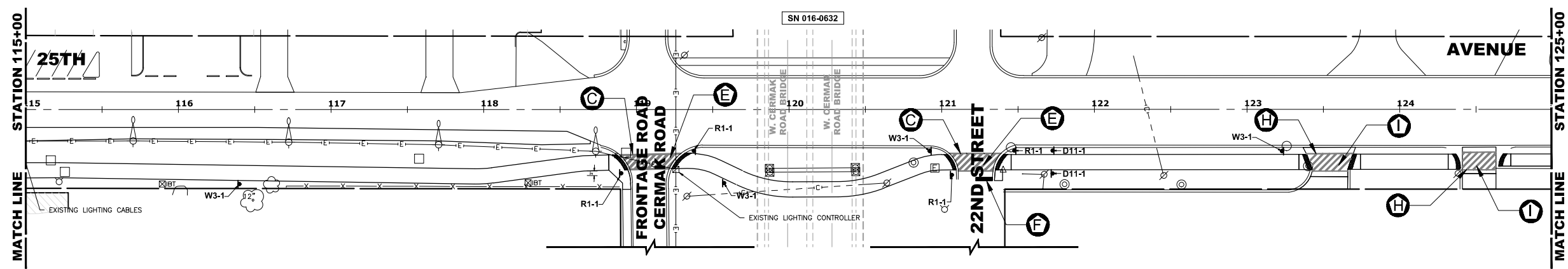
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 40' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	60
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K72	
FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



**NOTE:**

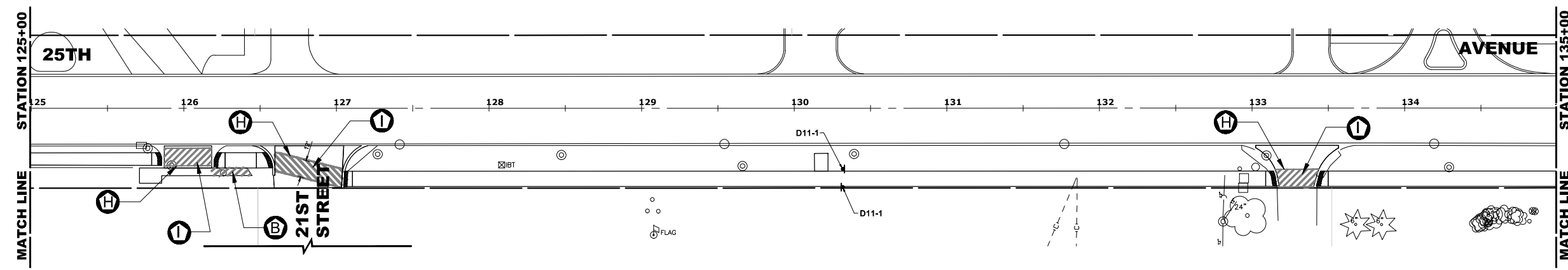
- VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
- ALL SIGNS TO BE REMOVED BY CONTRACTOR TO BE DELIVERED TO VILAGE FOR STORAGE.
- STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
- ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
- CROSSWALK 12" BARS SPACED AT 3' CENTER TO CENTER
- SIGNS TO BE BANDED TO LIGHT POST AS DIRECTED BY ENGINEER COST FOR BANDING TO BE INCLUDED IN THE COST OF "SIGN PANEL".
- SEE RECTANGULAR RAPID FLASHING BEACON DETAIL.

**ITEM DESCRIPTION**

**SYMBOL**

- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW
- THERMOPLASTIC PAVEMENT MARKING - LINE 6" - WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 8" - WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 12" - WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 24" - WHITE
- MODIFIED URETHANE PAVEMENT MARKING LINE 4" - WHITE
- MODIFIED URETHANE PAVEMENT MARKING LINE 6" - WHITE
- MODIFIED URETHANE PAVEMENT MARKING LINE 12" - WHITE
- MODIFIED URETHANE PAVEMENT MARKING LINE 24" - WHITE
- FLEXIBLE DELINEATOR

- (A)
- (B)
- (C)
- (D)
- (E)
- (F)
- (G)
- (H)
- (I)
- (J)
- (O)



Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:05pm

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

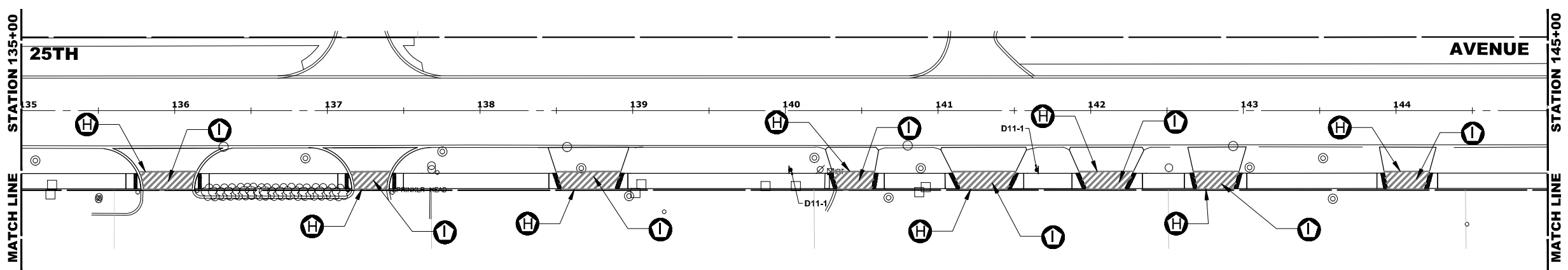
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**  
 SCALE: 1" = 40'  
 SHEET NO. 2 OF 4 SHEETS  
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	61
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 124-23-26801



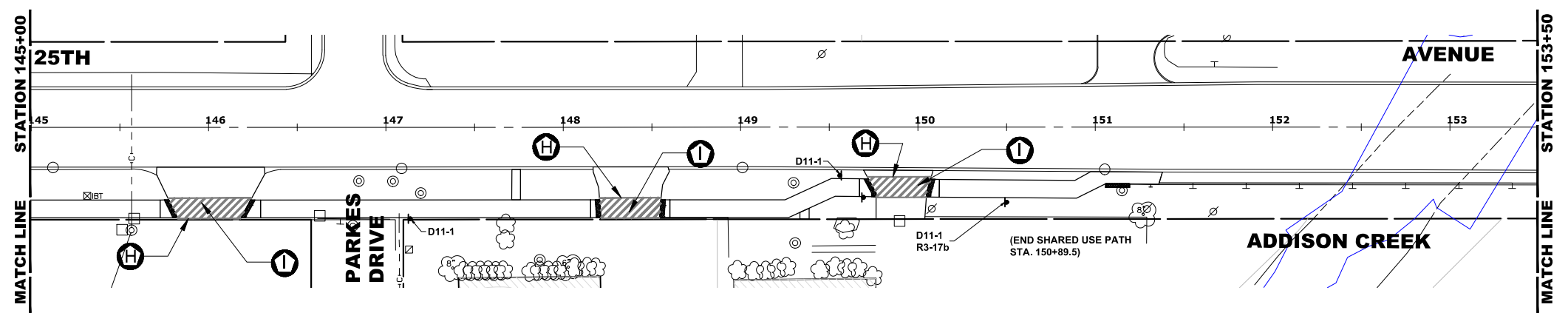
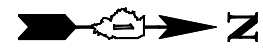
**NOTE:**

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
2. ALL SIGNS TO BE REMOVED BY CONTRACTOR TO BE DELIVERED TO VILAGE FOR STORAGE.
3. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
4. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
6. CROSSWALK 12" BARS SPACED AT 3' CENTER TO CENTER
7. SIGNS TO BE BANDED TO LIGHT POST AS DIRECTED BY ENGINEER COST FOR BANDING TO BE INCLUDED IN THE COST OF "SIGN PANEL".
8. SEE RECTANGULAR RAPID FLASHING BEACON DETAIL.

**ITEM DESCRIPTION**

**SYMBOL**

- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - WHITE (A)
- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW (B)
- THERMOPLASTIC PAVEMENT MARKING - LINE 6" - WHITE (C)
- THERMOPLASTIC PAVEMENT MARKING - LINE 8" - WHITE (D)
- THERMOPLASTIC PAVEMENT MARKING - LINE 12" - WHITE (E)
- THERMOPLASTIC PAVEMENT MARKING - LINE 24" - WHITE (F)
- MODIFIED URETHANE PAVEMENT MARKING LINE 4" - WHITE (G)
- MODIFIED URETHANE PAVEMENT MARKING LINE 6" - WHITE (H)
- MODIFIED URETHANE PAVEMENT MARKING LINE 12" - WHITE (I)
- MODIFIED URETHANE PAVEMENT MARKING LINE 24" - WHITE (J)
- FLEXIBLE DELINEATOR (O)



**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Wheelchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

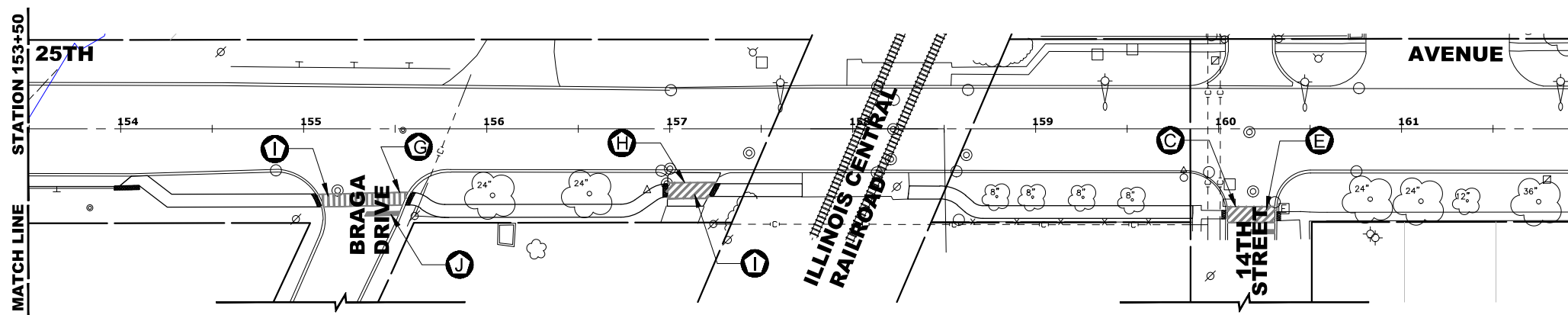
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**  
 SCALE: 1" = 40'  
 SHEET NO. 3 OF 4 SHEETS  
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	62
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm

E.H.E. PROJECT NO. 12U-23-26801



**NOTE:**

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" PAY ITEM)
2. ALL SIGNS TO BE REMOVED BY CONTRACTOR TO BE DELIVERED TO VILAGE FOR STORAGE.
3. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
4. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
6. CROSSWALK 12" BARS SPACED AT 3' CENTER TO CENTER
7. SIGNS TO BE BANDED TO LIGHT POST AS DIRECTED BY ENGINEER COST FOR BANDING TO BE INCLUDED IN THE COST OF "SIGN PANEL".
8. SEE RECTANGULAR RAPID FLASHING BEACON DETAIL.

**ITEM DESCRIPTION**

**SYMBOL**

- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - WHITE (A)
- THERMOPLASTIC PAVEMENT MARKING - LINE 4" - YELLOW (B)
- THERMOPLASTIC PAVEMENT MARKING - LINE 6" - WHITE (C)
- THERMOPLASTIC PAVEMENT MARKING - LINE 8" - WHITE (D)
- THERMOPLASTIC PAVEMENT MARKING - LINE 12" - WHITE (E)
- THERMOPLASTIC PAVEMENT MARKING - LINE 24" - WHITE (F)
- MODIFIED URETHANE PAVEMENT MARKING LINE 4" - WHITE (G)
- MODIFIED URETHANE PAVEMENT MARKING LINE 6" - WHITE (H)
- MODIFIED URETHANE PAVEMENT MARKING LINE 12" - WHITE (I)
- MODIFIED URETHANE PAVEMENT MARKING LINE 24" - WHITE (J)
- FLEXIBLE DELINEATOR (O)

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase 1\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm



♦ Civil Engineers  
 ♦ Municipal Consultants  
 ♦ Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

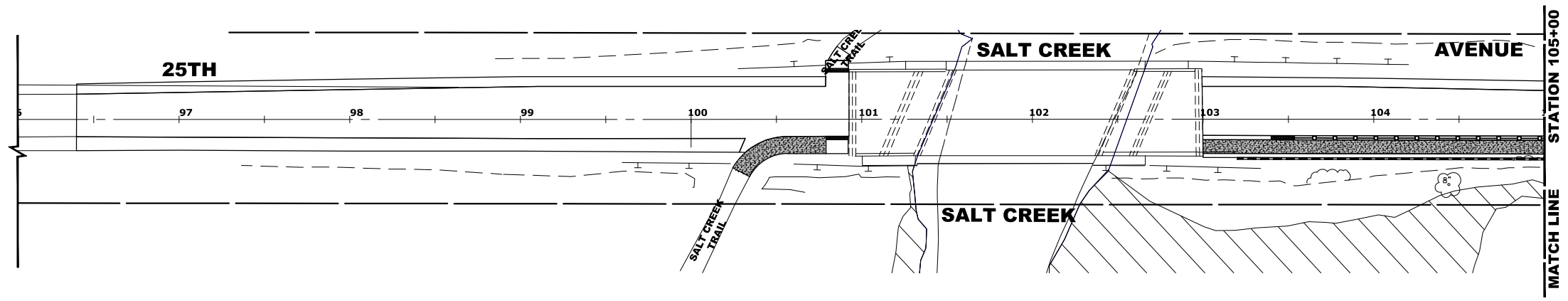
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 40'      SHEET NO. 4 OF 4 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	63
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 12U-23-26801



**LANDSCAPING NOTES**

**SODDING:**  
 ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS\*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 27 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS). THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

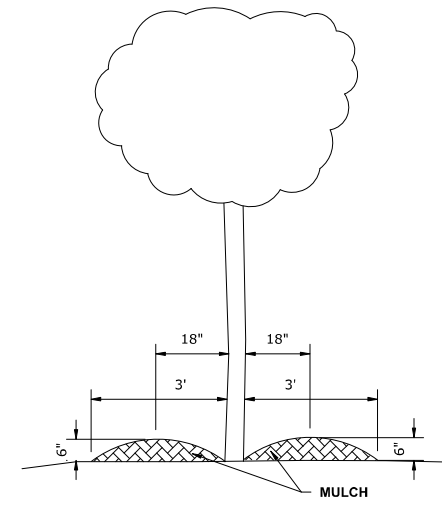
**4" TOP SOIL LAYER:**  
 SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.  
 A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**MULCH:**  
 MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**PROPOSED TREES:**  
 ALL PROPOSED TREES SHALL FOLLOW THE FOLLOWING MINIMUM DISTANCES:  
 \*THREE FEET (3') FROM NEAREST MAINLINE WALK  
 \*THREE FEET (3') FROM NEAREST CARRIAGE WALK  
 \*FOUR FEET (4') FROM NEAREST FACE OF CURB  
 \*TEN FEET (10') FROM FIRE HYDRANTS

**TREE REPLACEMENT**

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	BLACK GUM	NYSSA SYLVATICA	2" CALIPER	1
B	NORTHERN CATALPA	CATALPA SPECIOSA	2" CALIPER	1
C	OSAGE ORANGE	MACLURA POMIFERA	2" CALIPER	1
D	HACKBERRY	CELTIS OCCIDENTALIS ULZAM	2" CALIPER	1
E	LONDON PLANETREE	PLATANUS ACERIFOLIA	2" CALIPER	1
F	TULIP TREE	LIRIODENDRON TULIPIFERA	2" CALIPER	1



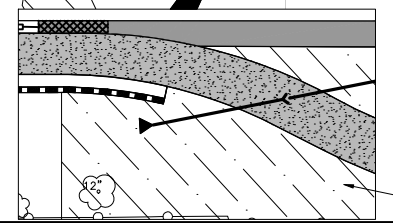
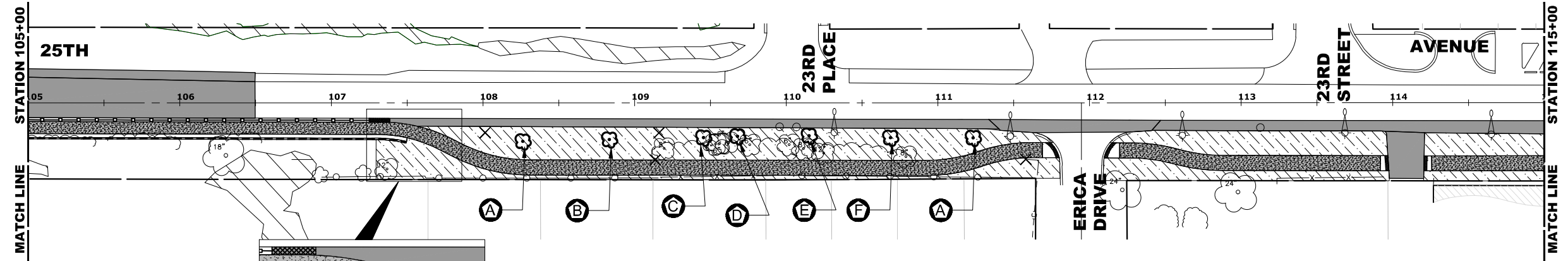
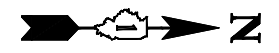
**TREE MULCH DETAIL**

**LEGEND OF SYMBOLS**

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	PROPOSED CONCRETE AREA
	PROPOSED HOT-MIX ASPHALT AREA

**TOPSOIL EXCAVATION AND PLACEMENT**

TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE IMPROVED OR SODDED. THE LOCATION OF THE STOCKPILE SHALL BE DETERMINED BY DISCUSSIONS WITH THE VILLAGE OF BRODVIEW.



ENLARGED VIEW OF DISSIPATOR AREA. SEE DISSIPATOR PLANS FOR MORE DETAILS.

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED - MWV, AA	REVISED -
DRAWN - DMM, SFB, GD	REVISED -
CHECKED - JGG	REVISED -
DATE - 6-17-24	REVISED - 7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

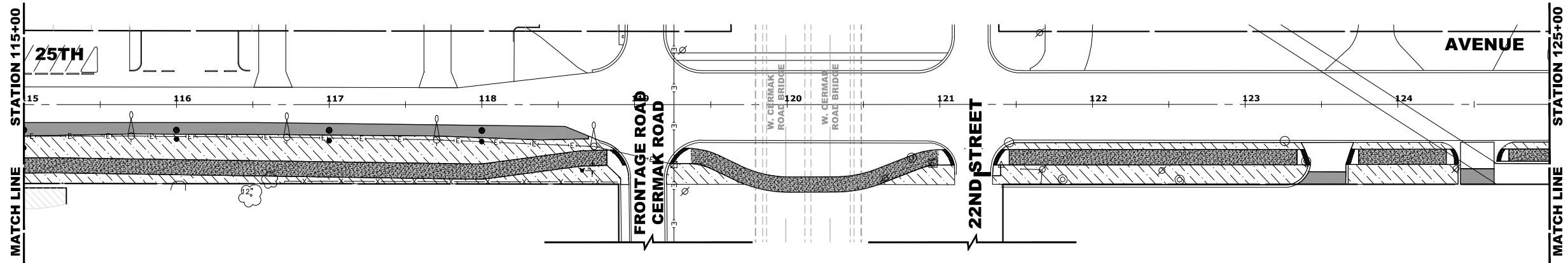
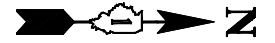
**LANDSCAPING PLANS**  
 SCALE: 1" = 40'  
 SHEET NO. 2 OF 4 SHEETS  
 STA. TO STA.

F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 64
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Drawing file: W:\projects\_by\_village\brodview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm

E.H.E. PROJECT NO. 12U-23-26801





**LANDSCAPING NOTES**

**SODDING:**

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS\*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 27 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS). THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**4" TOP SOIL LAYER:**

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.  
 A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.  
 THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**MULCH:**

MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

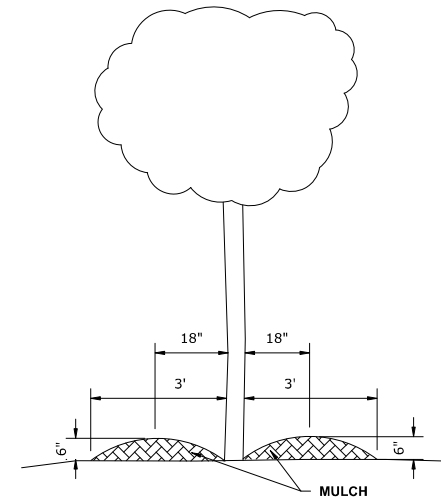
**PROPOSED TREES:**

ALL PROPOSED TREES SHALL FOLLOW THE FOLLOWING MINIMUM DISTANCES:

- \*THREE FEET (3') FROM NEAREST MAINLINE WALK
- \*THREE FEET (3') FROM NEAREST CARRIAGE WALK
- \*FOUR FEET (4') FROM NEAREST FACE OF CURB
- \*TEN FEET (10') FROM FIRE HYDRANTS

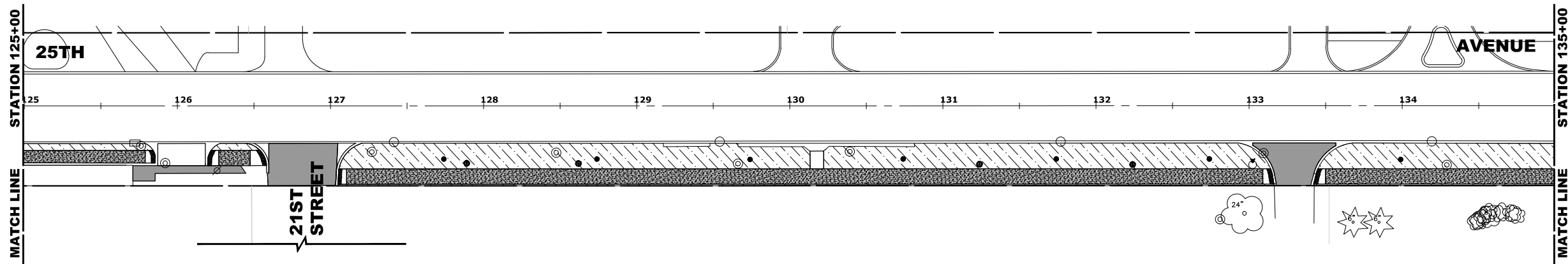
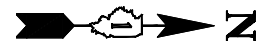
**TOPSOIL EXCAVATION AND PLACEMENT**

TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE IMPROVED OR SODDED. THE LOCATION OF THE STOCKPILE SHALL BE DETERMINED BY DISCUSSIONS WITH THE VILLAGE OF BRODVIEW.



**LEGEND OF SYMBOLS**

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	PROPOSED CONCRETE AREA
	PROPOSED HOT-MIX ASPHALT AREA



Drawing file: W:\projects\_by\_village\brodview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

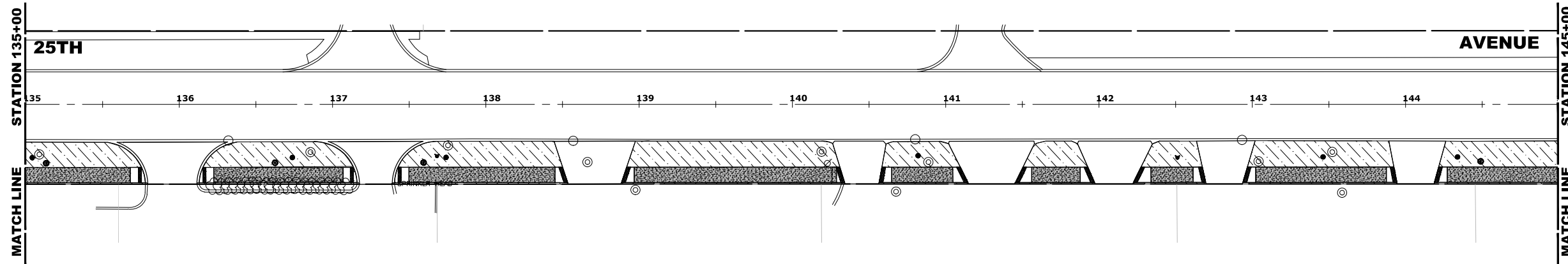
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	65
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 12U-23-26801



**TREE REPLACEMENT**

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	BLACK GUM	NYSSA SYLVATICA	2" CALIPER	1
B	NORTHERN CATALPA	CATALPA SPECIOSA	2" CALIPER	1
C	OSAGE ORANGE	MACLURA POMIFERA	2" CALIPER	1
D	HACKBERRY	CELTIS OCCIDENTALIS ULZAM	2" CALIPER	1
E	LONDON PLANETREE	PLATANUS ACERIFOLIA	2" CALIPER	1
F	TULIP TREE	LIRIODENDRON TULIPIFERA	2" CALIPER	1

**LANDSCAPING NOTES**

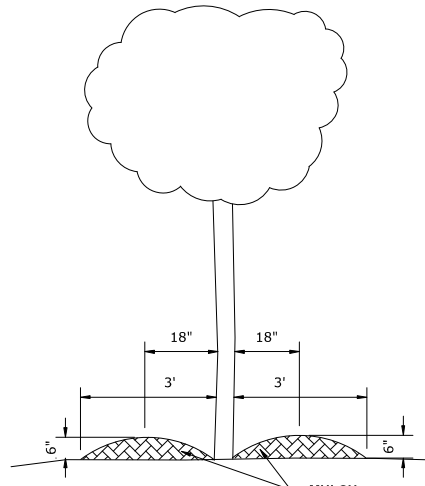
**SODDING:**  
 ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS\*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 27 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS). THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**4" TOP SOIL LAYER:**  
 SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.  
 A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**MULCH:**  
 MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

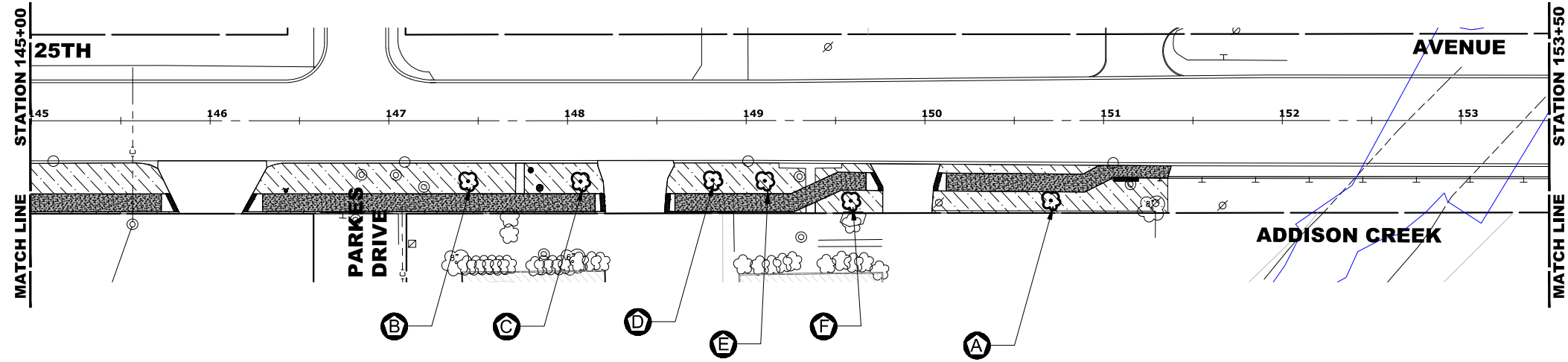
**PROPOSED TREES:**  
 ALL PROPOSED TREES SHALL FOLLOW THE FOLLOWING MINIMUM DISTANCES:  
 \*THREE FEET (3') FROM NEAREST MAINLINE WALK  
 \*THREE FEET (3') FROM NEAREST CARRIAGE WALK  
 \*FOUR FEET (4') FROM NEAREST FACE OF CURB  
 \*TEN FEET (10') FROM FIRE HYDRANTS

**TOPSOIL EXCAVATION AND PLACEMENT**  
 TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE IMPROVED OR SODDED. THE LOCATION OF THE STOCKPILE SHALL BE DETERMINED BY DISCUSSIONS WITH THE VILLAGE OF BRODVIEW.



**LEGEND OF SYMBOLS**

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	PROPOSED CONCRETE AREA
	PROPOSED HOT-MIX ASPHALT AREA



**HANCOCK ENGINEERING**  
 18th Years of Experience  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED - MWV, AA  
 DRAWN - DMM, SFB, GD  
 CHECKED - JGG  
 DATE - 6-17-24

REVISED -  
 REVISED -  
 REVISED -  
 REVISED - 7-17-24

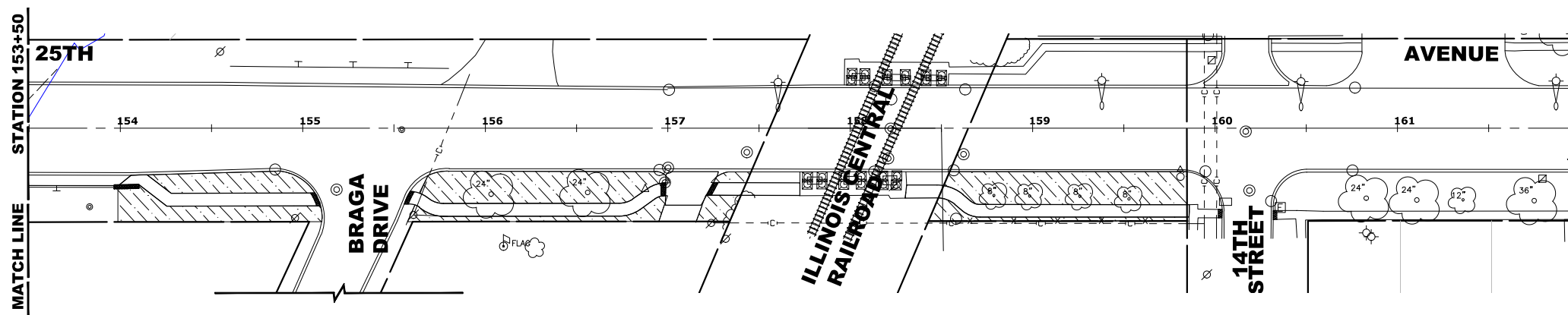
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 66
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Drawing file: W:\projects\_by\_village\brodview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm  
 E.I.E. PROJECT NO. 12U-23-26801



### LANDSCAPING NOTES

**SODDING:**

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 27 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS). THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**4" TOP SOIL LAYER:**

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS. A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

**MULCH:**

MULCH TO BE PLACED AROUND ALL TREES LOCATED IN AREAS THAT ARE TO BE SODDED. THIS WORK IS INCLUDED IN THE COST OF SPECIFIC PAY ITEM.

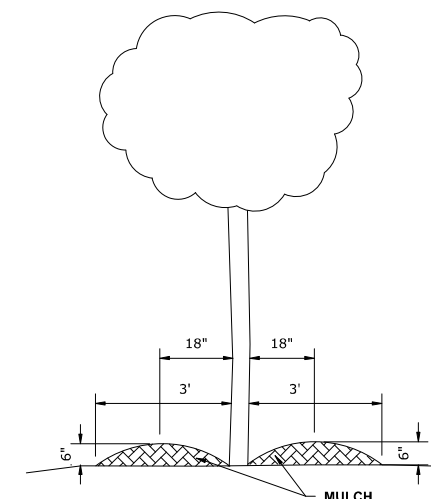
**PROPOSED TREES:**

ALL PROPOSED TREES SHALL FOLLOW THE FOLLOWING MINIMUM DISTANCES:

- \*THREE FEET (3') FROM NEAREST MAINLINE WALK
- \*THREE FEET (3') FROM NEAREST CARRIAGE WALK
- \*FOUR FEET (4') FROM NEAREST FACE OF CURB
- \*TEN FEET (10') FROM FIRE HYDRANTS

**TOPSOIL EXCAVATION AND PLACEMENT**

TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE IMPROVED OR SODDED. THE LOCATION OF THE STOCKPILE SHALL BE DETERMINED BY DISCUSSIONS WITH THE VILLAGE OF BRODVIEW.



### LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED SODDED PARKWAY
	PROPOSED CONCRETE AREA
	PROPOSED HOT-MIX ASPHALT AREA

Drawing file: W:\projects\_by\_village\brodview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:06pm

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

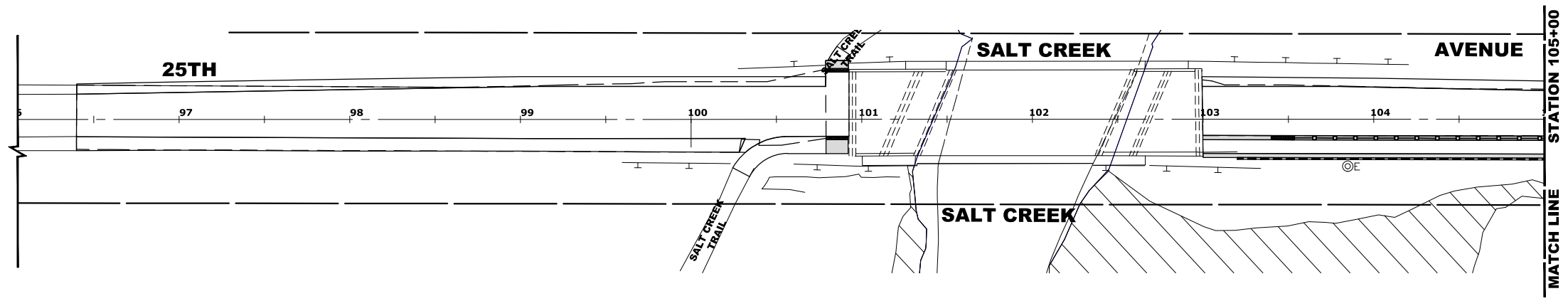
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1" = 40' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	67
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 12U-23-26801

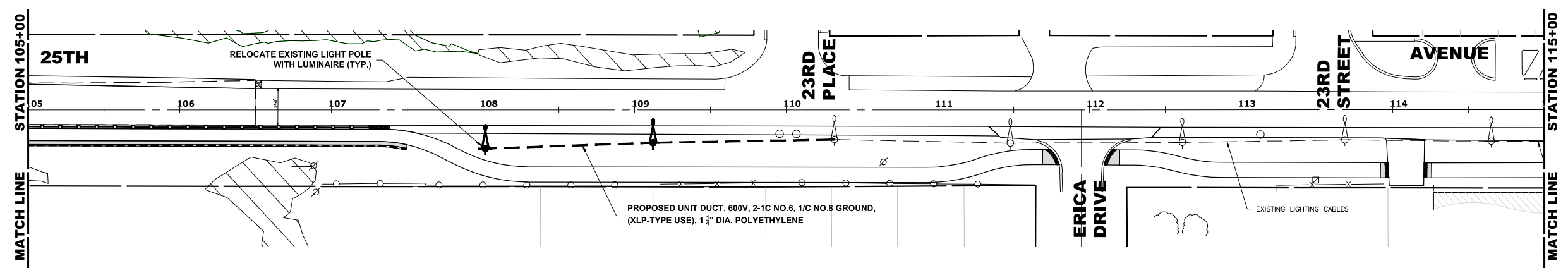


**LEGEND OF SYMBOLS**

SYMBOL	DESCRIPTION
	EXISTING STREET LIGHT POLE
	PROPOSED RELOCATED STREET LIGHT POLE AND LUMINAIRE
	EXISTING STREET LIGHT CIRCUIT
	PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

**NOTES:**

- CONTINUOUS ROADWAY ILLUMINATION MUST BE MAINTAINED THROUGHOUT NIGHTTIME HOURS.
- MINIMUM SETBACK DISTANCE FOR LIGHT POLES FROM THE PAVEMENT CENTERLINE TO THE CENTER OF THE LIGHT POLE FOUNDATION IS 18 FEET.



Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:07pm

**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-946-0900  
 www.hancock.com

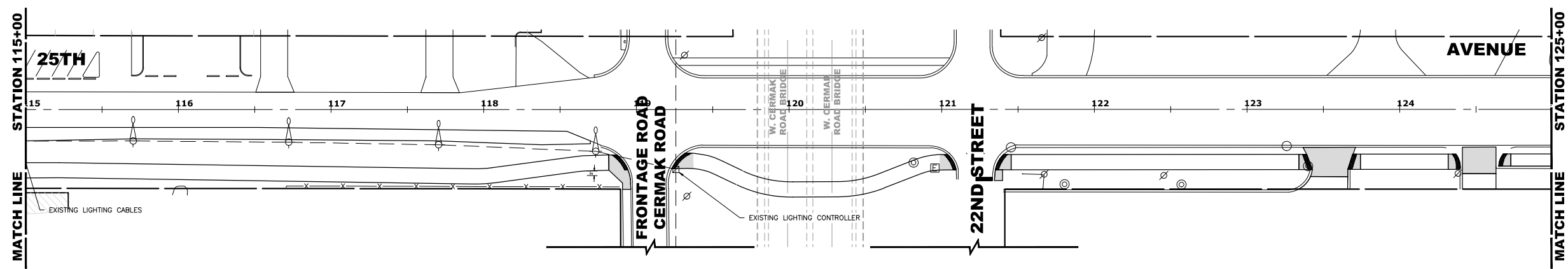
DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STREET LIGHTING PLANS**  
 SCALE: 1" = 40'  
 SHEET NO. 1 OF 2 SHEETS  
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	68
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 12U-23-26801

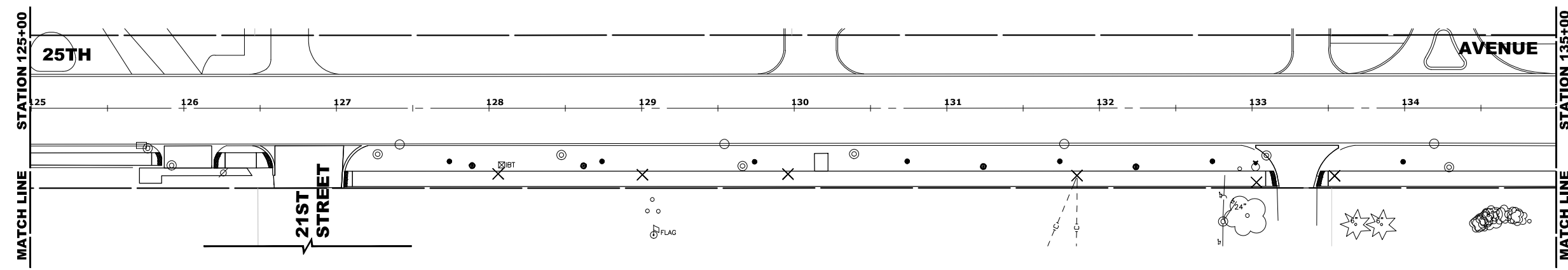


**LEGEND OF SYMBOLS**

SYMBOL	DESCRIPTION
	EXISTING STREET LIGHT POLE
	PROPOSED RELOCATED STREET LIGHT POLE AND LUMINAIRE
	EXISTING STREET LIGHT CIRCUIT
	PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

**NOTES:**

- CONTINUOUS ROADWAY ILLUMINATION MUST BE MAINTAINED THROUGHOUT NIGHTTIME HOURS.
- MINIMUM SETBACK DISTANCE FOR LIGHT POLES FROM THE PAVEMENT CENTERLINE TO THE CENTER OF THE LIGHT POLE FOUNDATION IS 18 FEET.



**HANCOCK ENGINEERING**  
 18th Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-846-0900  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

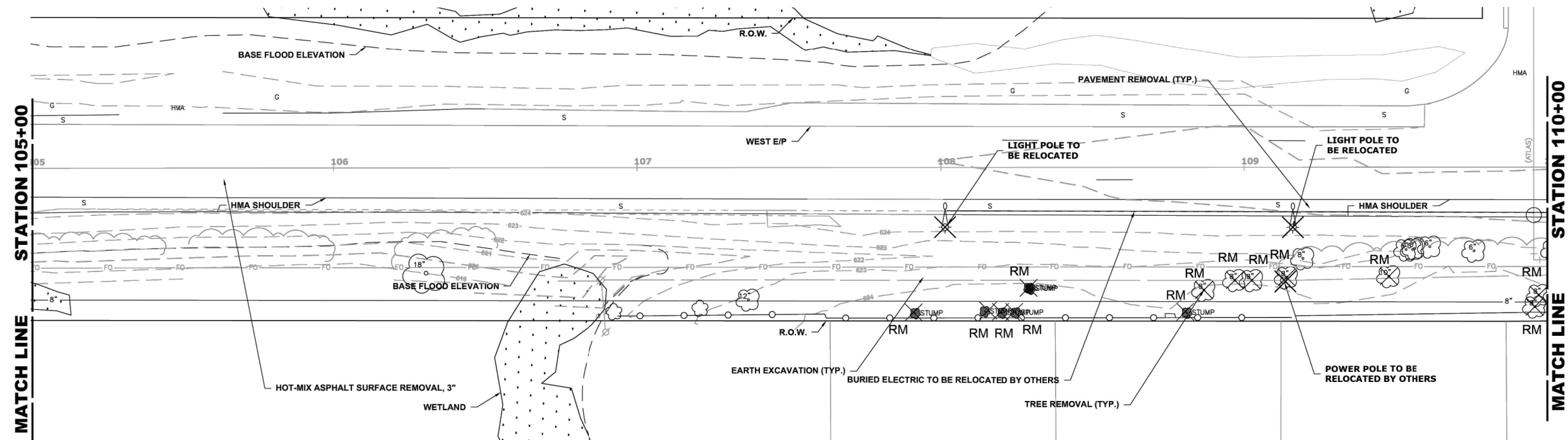
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STREET LIGHTING PLANS**  
 SCALE: 1" = 40'  
 SHEET NO. 2 OF 2 SHEETS  
 STA. TO STA.

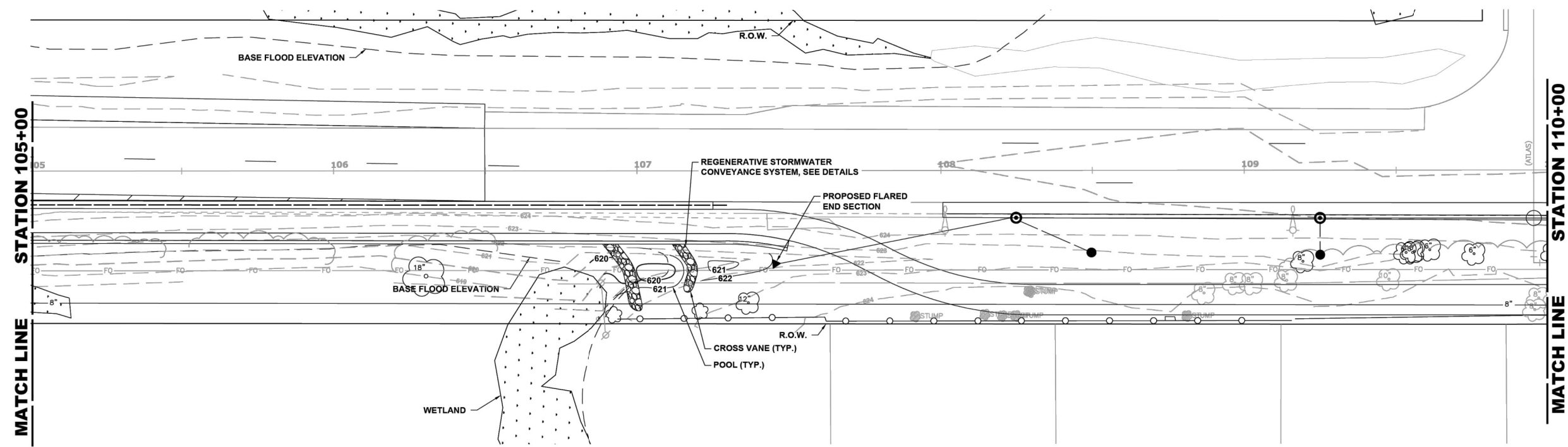
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	69
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

Drawing file: W:\projects\_by\_village\roadview\12022268 - 25th avenue shared-use path phase II\SITE\40 SCALE.dwg Jul 17, 2024 - 12:07pm

E.H.E. PROJECT NO. 12U-23-26801



**EXISTING SITE  
CONDITIONS AND  
DEMOLITION PLAN**



**GRADING PLAN**

Drawing file: W:\Projects\_by\_village\broasview\2023268 - 25th avenue stored-use path phase 1\Storm Sewer Outlet Plans (Hurff).dwg Jul 17, 2024 - 12:07pm

<b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	<b>DESIGN WITH NATURE STUDIO</b>	DESIGNED - MWV, AA DRAWN - DMM, SFB, GD CHECKED - JGG DATE - 6-17-24	REVISED - REVISED - REVISED - REVISED - 7-17-24
		9933 Roosevelt Road Westchester, IL 60154-2780 Phone: 708-665-0300 www.hancock.com	

**HANCOCK ENGINEERING**

100+ Years of Excellence

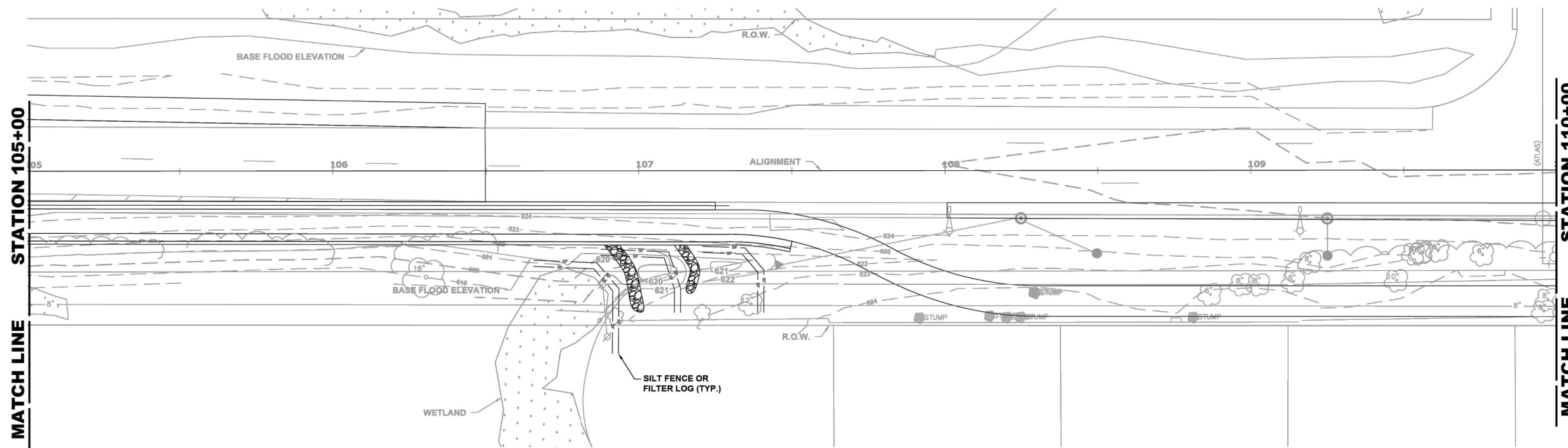
- Civil Engineers
- Municipal Consultants
- Established 1911

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

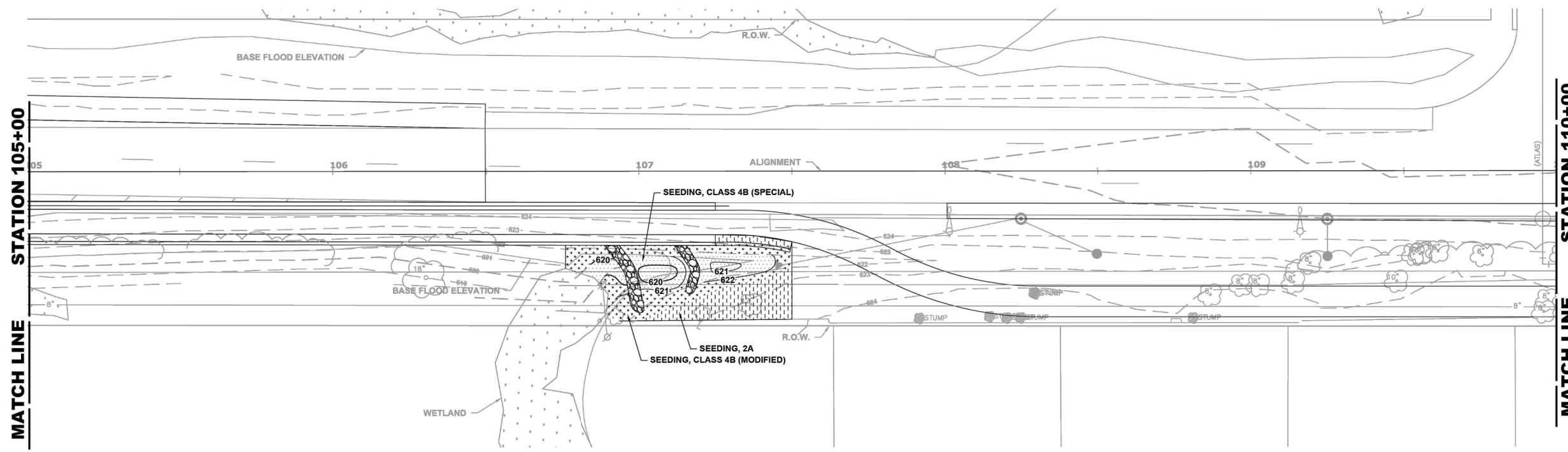
SCALE: NONE		SHEET NO. 1 OF 3 SHEETS		STA. TO STA.	
<b>STORM SEWER OUTLET DISSIPATOR PLANS</b>					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	70
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



**SOIL EROSION  
AND SEDIMENT  
CONTROL PLAN**



**PLANTING PLAN**

Drawing file: W:\Projects\by\_village\broadsview\2023268 - 25th avenue stored-use path phase 3\Storm Sewer Outlet Plans (Hurp).dwg Jul 17, 2024 - 12:07pm



**GZA** GeoEnvironmental, Inc.  
Engineers and Scientists  
www.gza.com



**DESIGN  
WITH NATURE  
STUDIO** INC.

9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-645-0300  
www.hancock.com

DESIGNED - MWV, AA  
DRAWN - DMM, SFB, GD  
CHECKED - JGG  
DATE - 6-17-24

REVISED -  
REVISED -  
REVISED -  
REVISED - 7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STORM SEWER OUTLET  
DISSIPATOR PLANS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	71
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



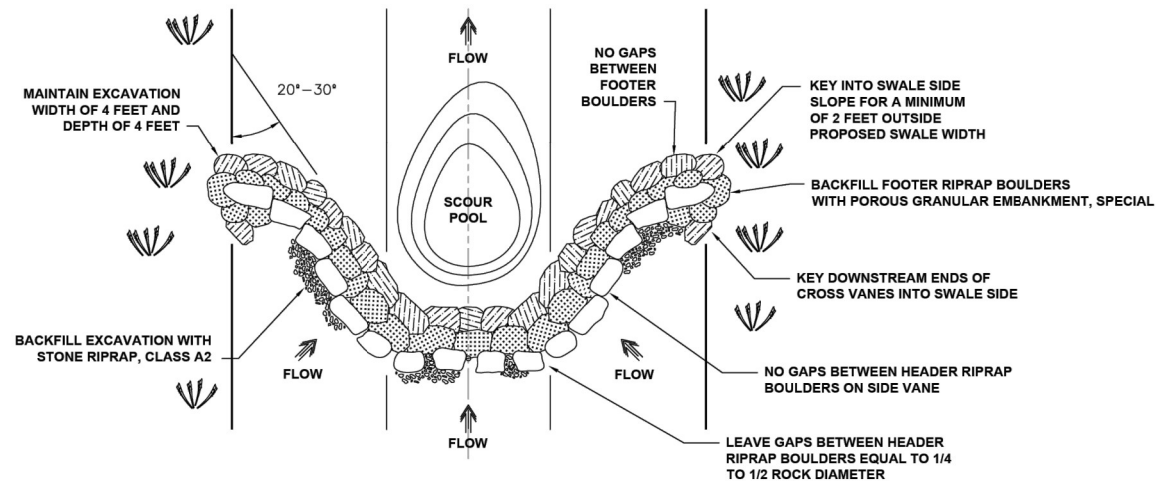
**HANCOCK  
ENGINEERING**

100+ Years of  
Excellence

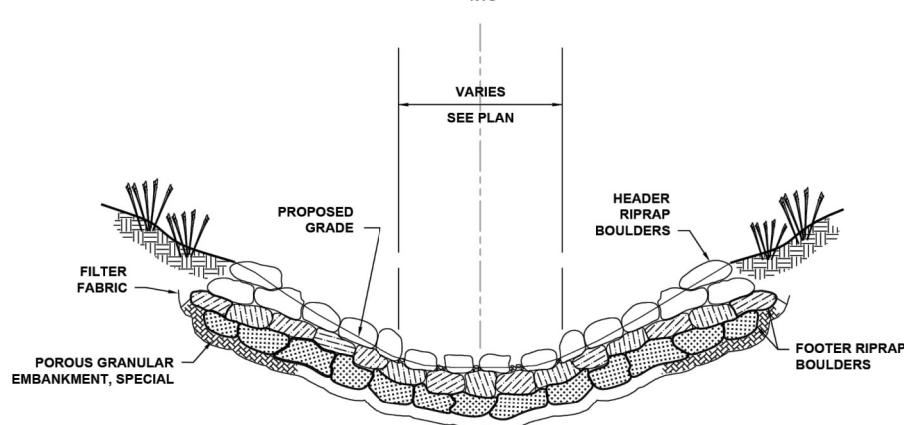
- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

E.H.E. PROJECT NO. 120-23-26801

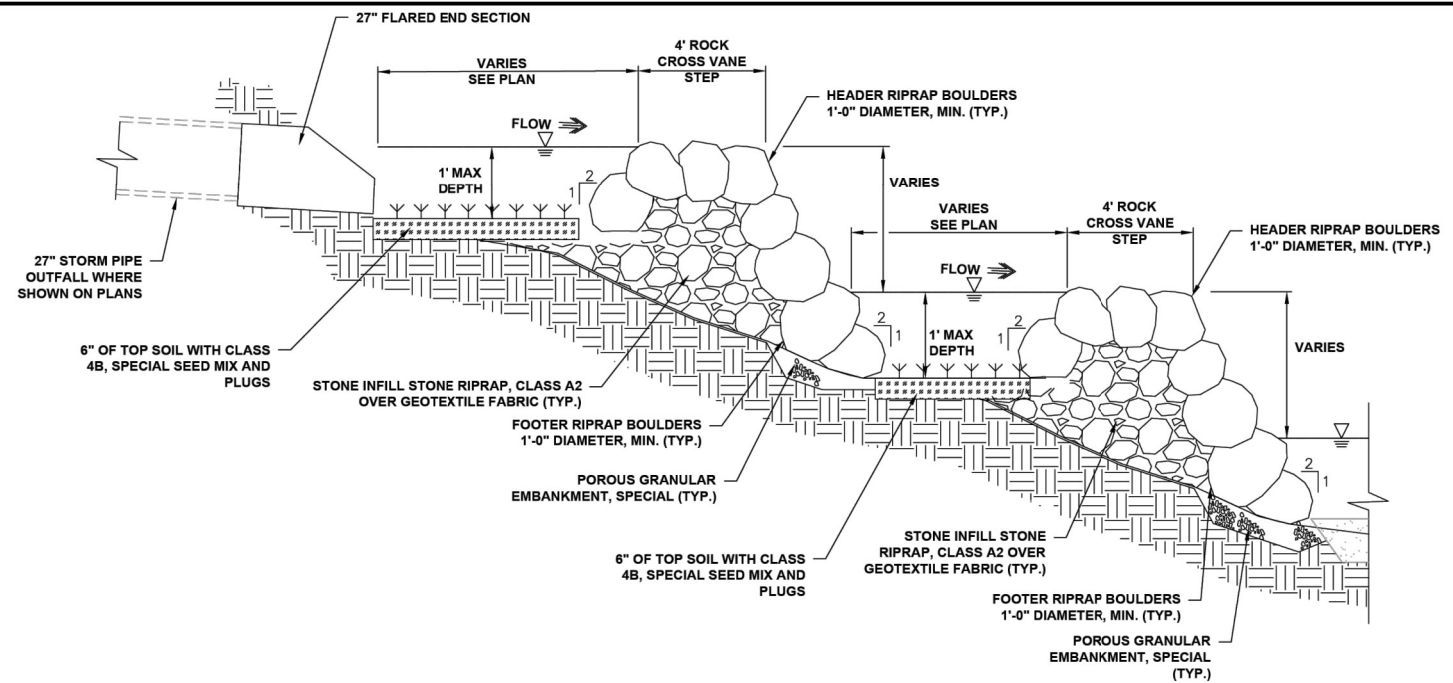
Drawing file: W:\Projects\_by\_village\broadsview\20232688 - 25th avenue stored-use path phase 3\Storm Sewer Outlet Plans (Hurff).dwg Jul 17, 2024 - 12:07pm



**REGENERATIVE STORMWATER CONVEYANCE**  
PLAN VIEW  
NTS



**REGENERATIVE STORMWATER CONVEYANCE**  
CROSS SECTION VIEW  
NTS



**REGENERATIVE STORMWATER CONVEYANCE**  
NTS

**REGENERATIVE STORMWATER CONVEYANCE NOTES:**

- ROCK CROSS VANES SHALL BE POSITIONED AT LOCATION STATION INDICATED ON THE PLAN SHEET AND IN THE DETAIL.
- A FOOTER TRENCH SHALL BE EXCAVATED WITHIN THE PROPOSED REGENERATIVE STORMWATER CONVEYANCE (RSC) TO A DEPTH OF 4 FEET BELOW PROPOSED GRADE. EXCAVATION DEPTH ACCOUNTS FOR STONE RIPRAP, CLASS A2, FOOTER BOULDERS, AND HEADER BOULDERS.
- BEDDING SHALL CONSIST OF 12 INCHES OF STONE RIPRAP, CLASS A2 PLACED OVER FILTER FABRIC.
- GAPS BETWEEN FOOTER RIPRAP BOULDERS SHALL BE MINIMIZED BY FITTING BOULDERS TIGHTLY TOGETHER AND PLUGGING WITH POROUS GRANULAR EMBANKMENT, SPECIAL.
- BACKFILL FOOTER RIPRAP BOULDERS WITH POROUS GRANULAR EMBANKMENT, SPECIAL PRIOR TO HEADER RIPRAP BOULDER PLACEMENT.
- HEADER RIPRAP BOULDERS SHALL BE A MINIMUM OF 2/3 BURIED.
- THE CREST OF THE CROSS VANE SHALL BE ON THE ENDS OF THE SIDE VANES. SIDE VANES SHALL PROTRUDE DOWNSTREAM INTO THE CHANNEL AND BANKS AT AN ANGLE BETWEEN 20° TO 30° FROM THE BANK TANGENT POINT AT THE LOCATION STATION. COMPLETED CROSS VANES SHALL MAINTAIN A "U" SHAPE WITH SIDE VANES DIRECTED DOWNSTREAM.
- THE DETAIL INDICATES TWO ROWS OF FOOTER RIPRAP BOULDERS TO ACHIEVE REQUIRED DEPTH. HOWEVER, THE USE OF LARGE MATERIAL MAY REQUIRE ONLY ONE ROW OF FOOTER RIPRAP BOULDER TO ACHIEVE REQUIRED DEPTH AND ELEVATION, AS APPROVED BY THE ENGINEER.
- HEADER RIPRAP BOULDERS SHALL CONSIST OF STONE RIPRAP, CLASS A6 (SPECIAL) AND POROUS GRANULAR EMBANKMENT, SPECIAL.
- FOOTER RIPRAP BOULDERS SHALL CONSIST OF STONE RIPRAP, CLASS A7 (SPECIAL) AND POROUS GRANULAR EMBANKMENT, SPECIAL.
- AFTER CROSS VANE INSTALLATION, BACKFILL PROPOSED GRADE WITH CHANNEL BED AGGREGATE.
- STRUCTURES WILL BE INSTALLED UNDER SUPERVISION OF ENGINEER.
- ANY MODIFICATIONS OR AMENDMENTS TO CONSTRUCTION PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THEIR CONSTRUCTION.

**GZA** GeoEnvironmental, Inc.  
Engineers and Scientists  
www.gza.com

DESIGN WITH NATURE  
STUDIO

---

**HANCOCK**  
ENGINEERING

100+ Years of  
Excellence

9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-665-0300  
www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

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

**STORM SEWER OUTLET**  
**DISSIPATOR PLANS**

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	72
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



Benchmark: On fire hydrant north of Erica Drive; Sta. 112+72.27 Offset 48.17 RT, El. 627.02

Existing Structure: No existing retaining wall exists at this location.

Traffic Control: Traffic is to be maintained during construction.

No Salvage.

**INDEX OF SHEETS**

- S-01 General Plan and Elevation
- S-02 General Details
- S-03 Railing Details I
- S-04 Railing Details II
- S-05 Boring Logs I
- S-06 Boring Logs II
- S-07 Boring Logs III

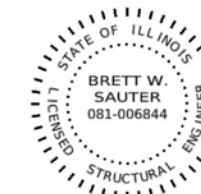
**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**

FIELD UNITS

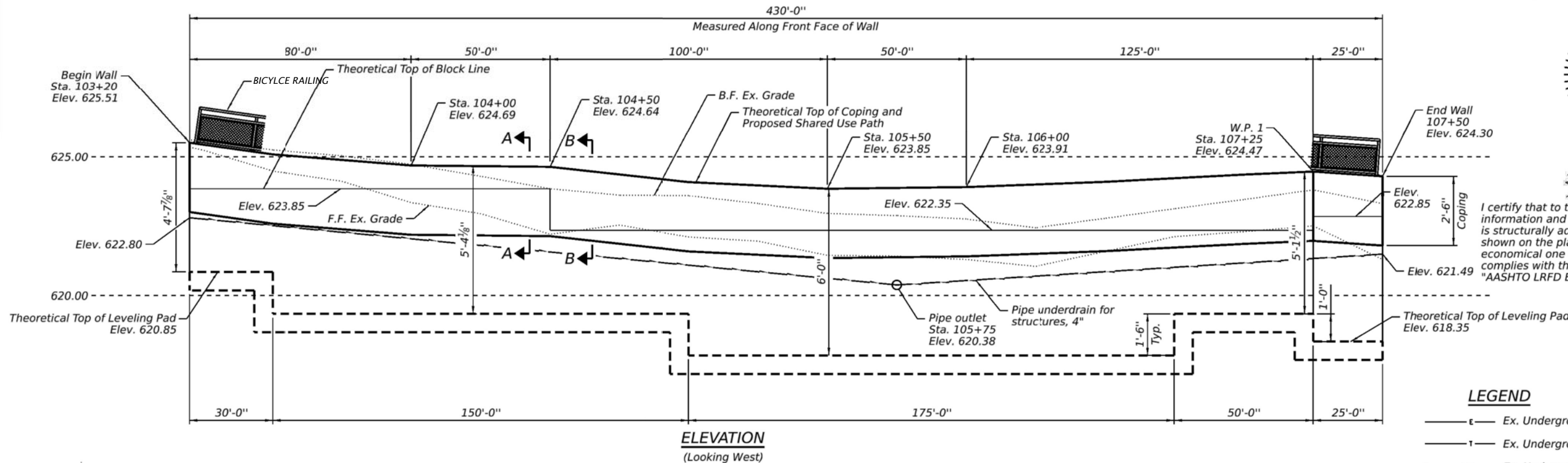
$f_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)



DATE: 6/7/2024  
 SEAL EXPIRES: 11/30/2024

*B. Sauter*

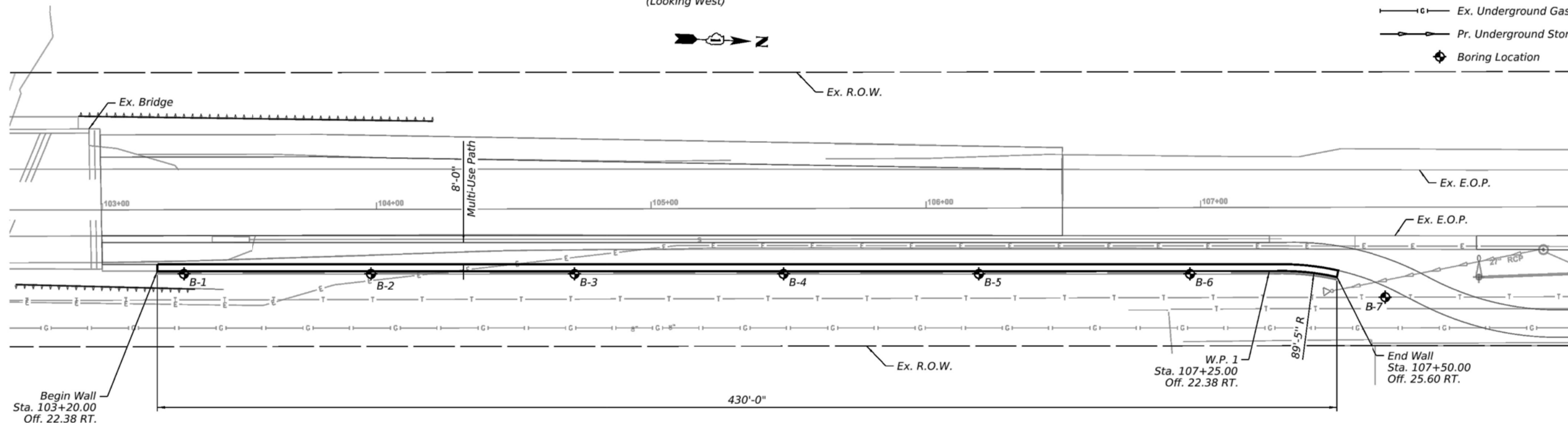
I certify that to the best of my knowledge, information and belief, this retaining wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO LRFD Bridge Design Specifications"



**ELEVATION**  
(Looking West)



- LEGEND**
- E — Ex. Underground Electrical to Remain
  - T — Ex. Underground Telephone to Remain
  - G — Ex. Underground Gas Line to Remain
  - S — Pr. Underground Storm Sewer
  - ◆ Boring Location



**PLAN**  
(Offsets referenced to front face of wall)

DATE PLOTTED = 6/7/2024 11:20:50 AM  
 PLOT TABLE = 0000007.02.tbl  
 PLOT SCALE = 0.250000  
 MODEL = Definit  
 FILE NAME = N:\PROJ\0020967.02\CADD\SHS\Structure\020967.02-01-GPPE.dgn



USER NAME = skant	DESIGNED - SAK	REVISED -
DRAWN - SAK	REVISIONS -	
CHECKED -	REVISIONS -	
DATE = 6/7/2024	REVISIONS -	

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

**GENERAL PLAN AND ELEVATION**  
 SHEET S-01 OF S-07 SHEETS

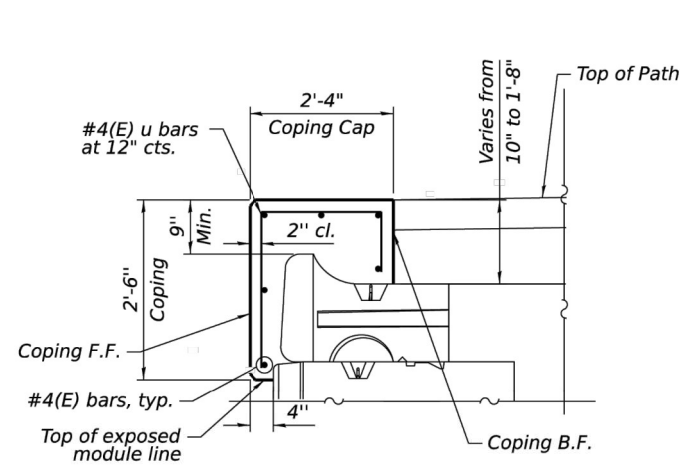
FAI RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 73
CONTRACT NO. 61K72				
ILLINOIS FED. AID PROJECT				

**NOTES:**

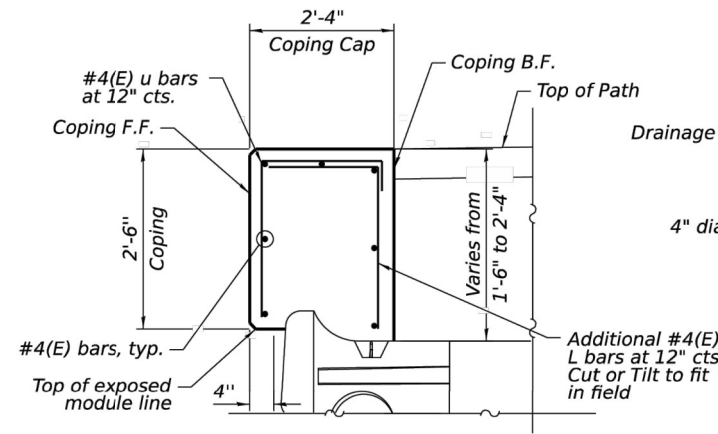
1. Design and installation of Segmental Concrete Block Wall (including need for soil reinforcement) to be in accordance with Wall System Manufacturer Design Requirements and Specifications, as well as IDOT Standard Specifications for Road and Bridge Construction.
2. Excavation, Leveling Pad, Select Fill, Soil Reinforcement, and Design are included in the cost of the Segmental Concrete Block Wall.
3. Minimum required net allowable bearing pressure = 1,000 PSF.
4. Maximum length of #4(E) horizontal bars to be used is not to exceed 30'-0". A minimum of 2'-5" lap is required for the horizontal #4(E) bars.
5. See Sheet S-03 for Bicycle Railing Details.

**TOTAL BILL OF MATERIAL**

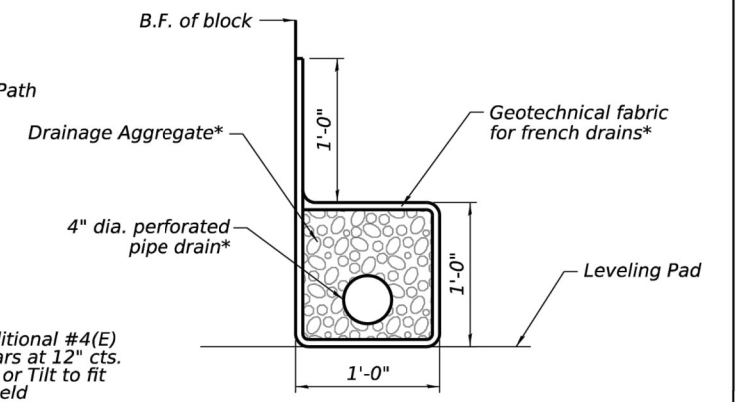
DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Segmental Concrete Block Wall	Sq Ft			1,327	1,327
Structure Excavation	Cu Yd		570		570
Concrete Structures	Cu Yd			69.4	69.4
Reinforcement Bars, Epoxy Coated	Pound			4,230	4,230
Bicycle Railing	Foot			431	431
Pipe Underdrains For Structures 4"	Foot			431	431



SECTION A-A



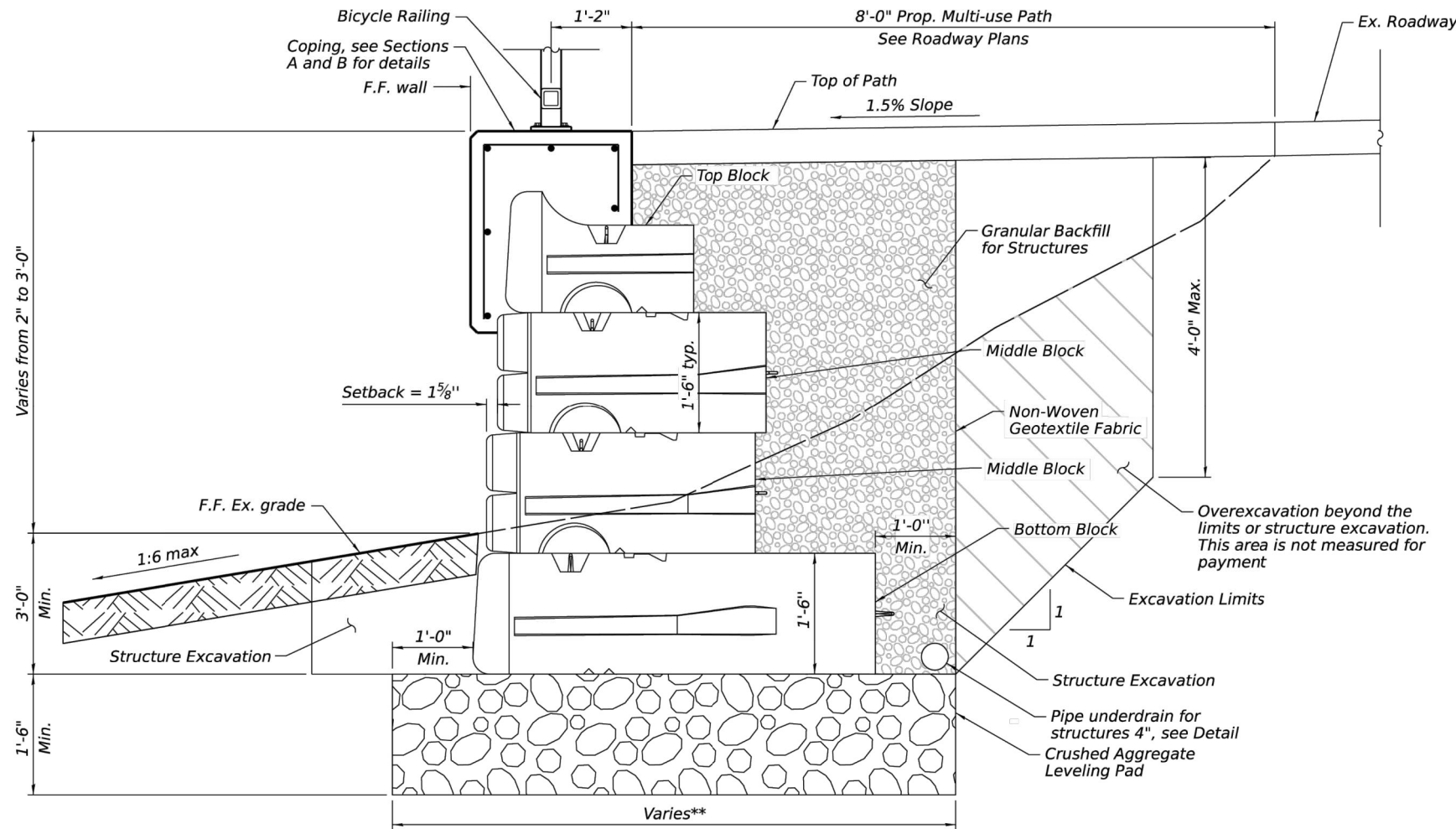
SECTION B-B



PIPE UNDERDRAIN DETAIL

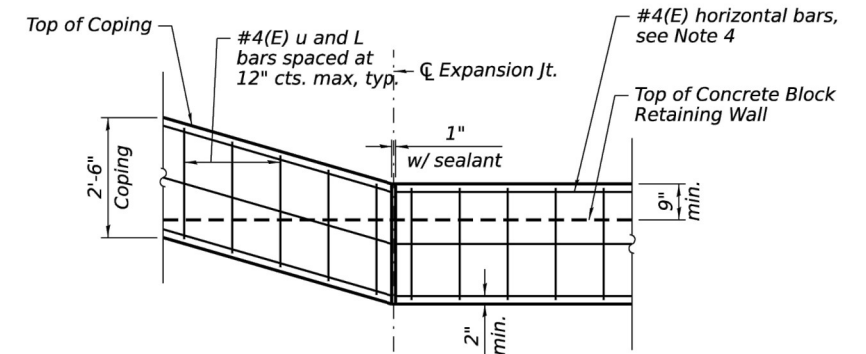
\*Included in the cost of Pipe Underdrains for Structures, 4"

**COPING DETAILS**



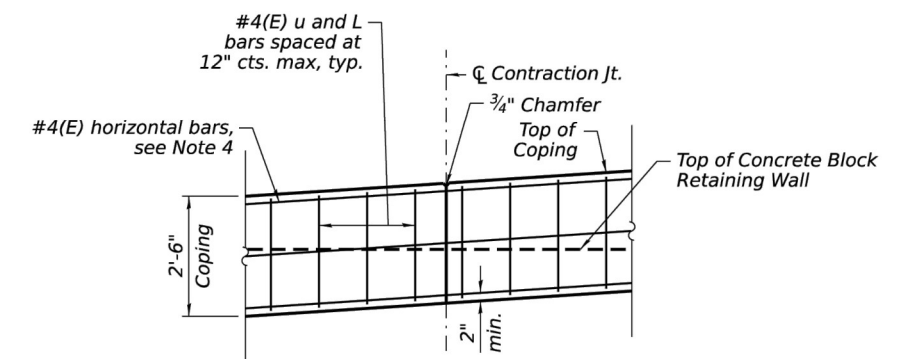
TYPICAL WALL CROSS SECTION

\*\*Leveling pad width shall be a minimum of twice the depth of the Segmental Concrete Block Wall blocks



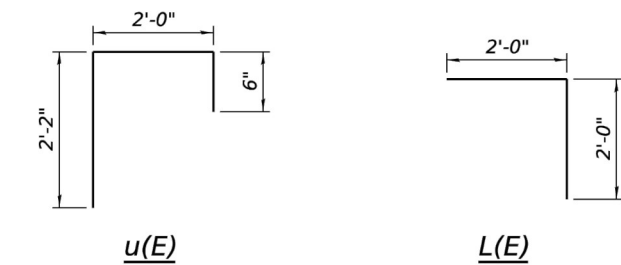
CIP COPING EXPANSION JOINT - FRONT FACE ELEVATION

(Provide Exp. Joints at corners and max. spacing of 90'-0")



CIP COPING CONTRACTION JOINT - ELEVATION

(Provide Contraction Joints at max. spacing of 30'-0")



BAR BEND DIAGRAM

DATE PLOTTED = 8/7/2024 11:20:52 AM  
 PEN TABLE = 0020987.02.tbl  
 PLOT CONFIG = C04-PDF.plt  
 FILE NAME: N:\PROJ\0020987\2024\CADD\Struct\0020987-02-02-General Details.dgn



USER NAME = skent	DESIGNED - SAK	REVISD -
DRAWN - SAK	REVISD -	
CHECKED -	REVISD -	
DATE = 6/7/2024	REVISD -	

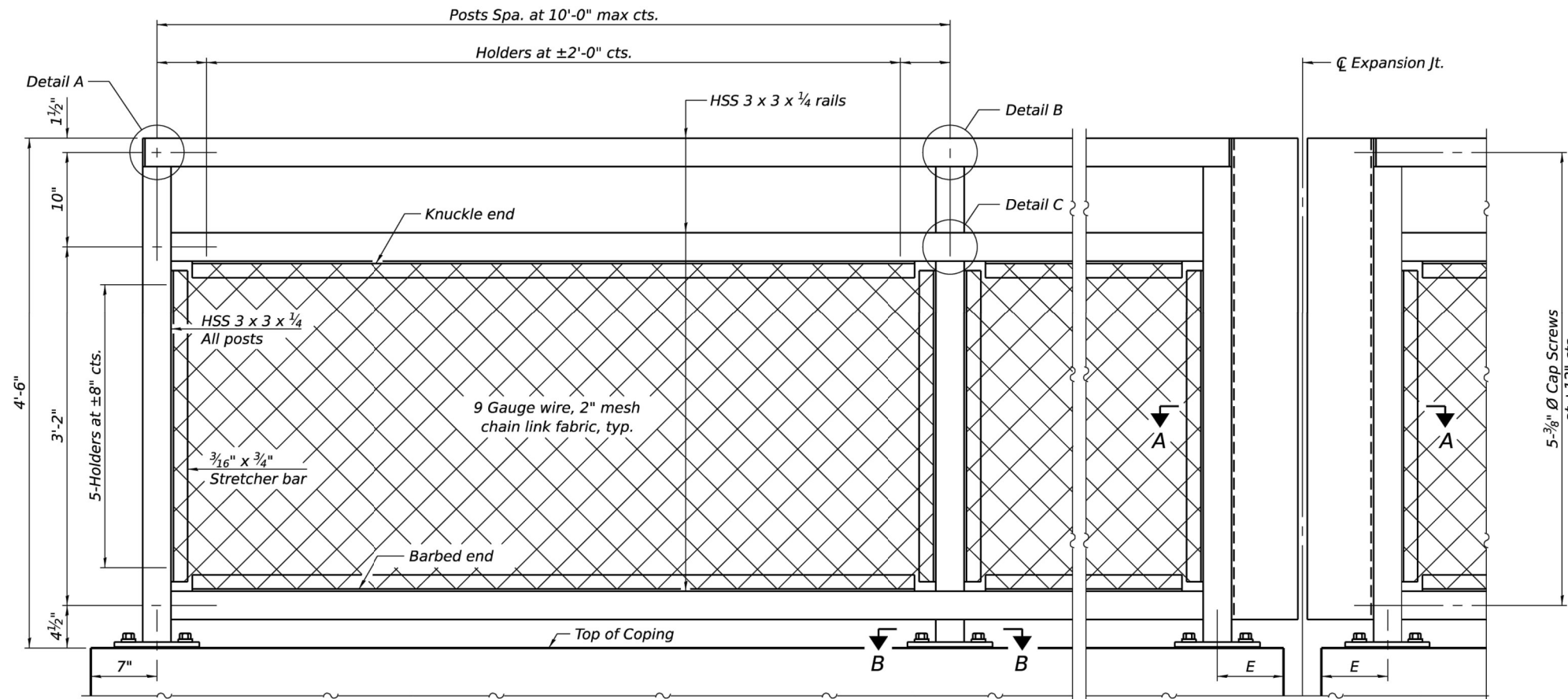
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS

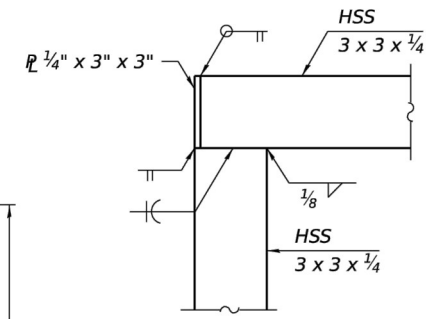
SHEET S-02 OF S-07 SHEETS

FAI RTE. 2714	SECTION 19-0082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 74
CONTRACT NO. 61K72				

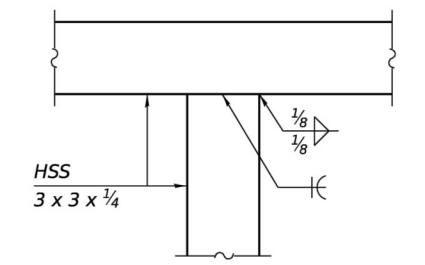
ILLINOIS FED. AID PROJECT



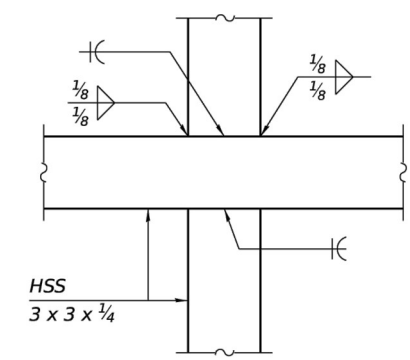
**ELEVATION BICYCLE RAILING**  
 (Inside face)



**DETAIL A**



**DETAIL B**



**DETAIL C**

**RAILING CRITERIA**

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

**R-29**  
 10-27-2023  
  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

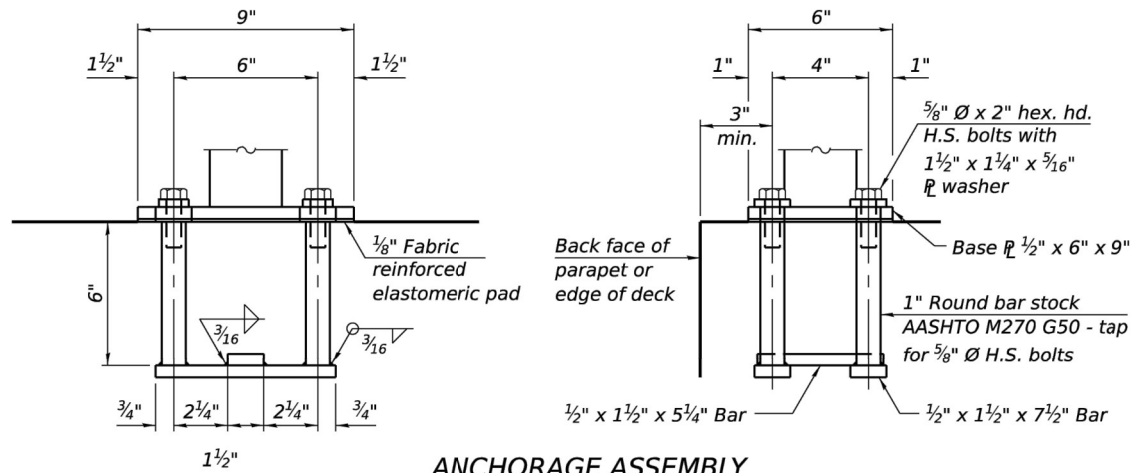
USER NAME = skant	DESIGNED - SAK	REVISED -
DRAWN - SAK	REVISIONS -	
PLOT SCALE = 0:2.0000' = 1" / in.	CHECKED -	REVISED -
PLOT DATE = 6/7/2024	DATE - 6/7/2024	REVISED -

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

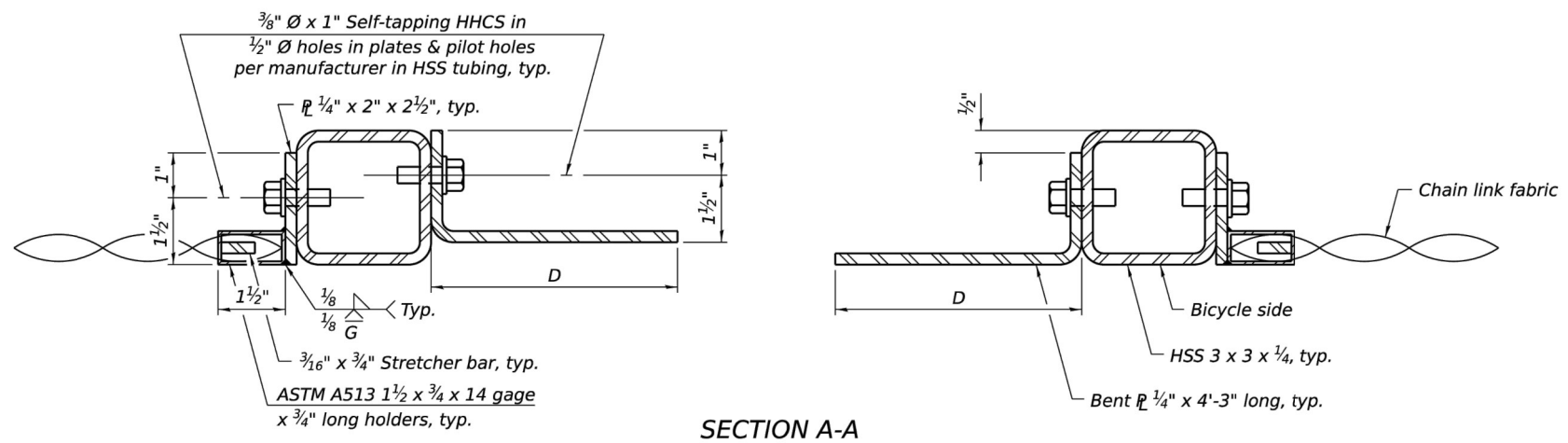
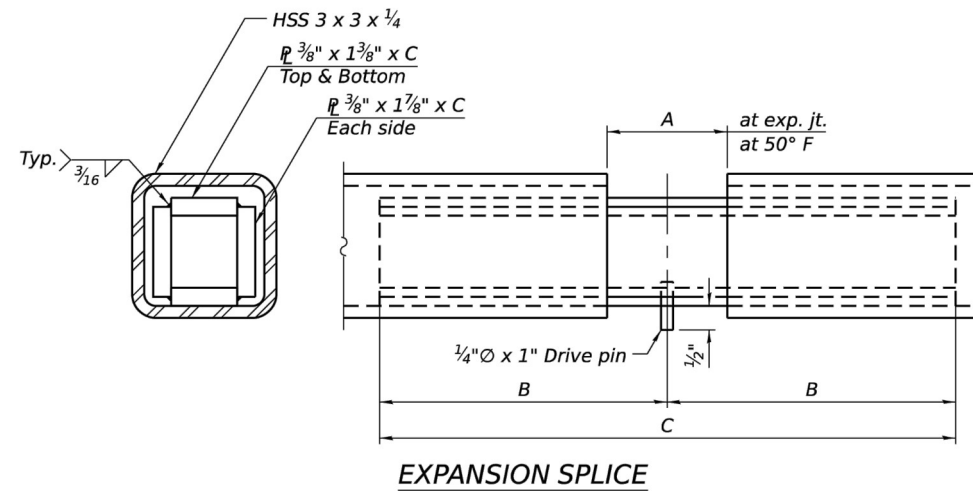
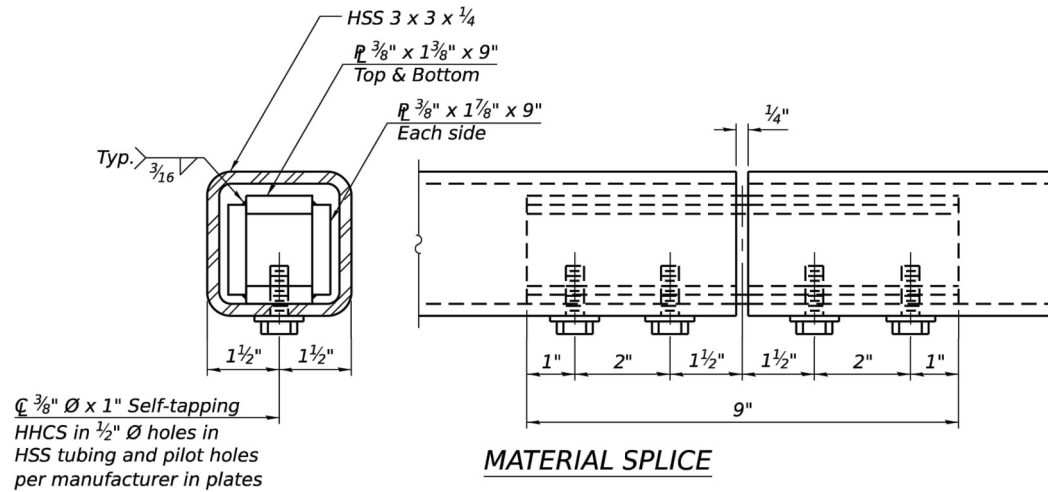
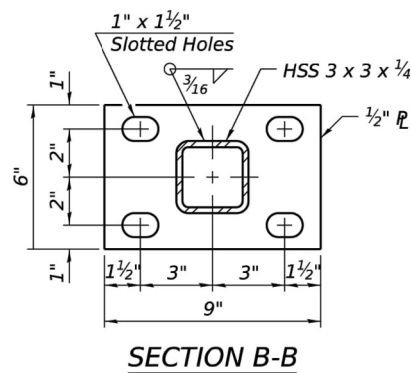
(Sheet 1 of 2)  
**RAILING DETAILS I**  
 SHEET S-03 OF S-07 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	75
CONTRACT NO.				61K72
ILLINOIS FED. AID PROJECT				

DATE PLOTTED = 6/7/2024 11:20:53 AM  
 FILE = 020967.dwg  
 PLOT SCALE = 0:2.0000' = 1" / in.  
 MODEL = Detail  
 FILE NAME = N:\PROJ\0020967.dwg\CADD\SHS\Structural\020967.dwg-RailingDetails.dwg



The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates. In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 3/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**Notes:**  
 Place reinforcement bars to miss anchor rod locations. CVN testing is not required for the HSS tubing used in the Bicycle Railing.  
 All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.  
 All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.  
 All base plates used for the Parapet Railing shall be AASHTO M270 grade 50.  
 All heavy hex nuts shall be according to ASTM A 563 grade DH.  
 All fully threaded anchor rods shall be ASTM F1554 grade 105.  
 The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.  
 Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.  
 Railing shall be galvanized according to Article 509.05 of the Standard Specifications.

**TABLE OF DIMENSIONS**

Location	T	A	B	C	D	E
Over Strip Seal Jt.	≤4"	2 1/2"	1'-2"	2'-4"	7 1/4"	7"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	1'-7 3/4"	3'-3 1/2"		
Over Finger or Modular Jt.	≤15"	8 1/4"	2'-1 1/4"	4'-2 1/2"		

T = ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.

R-29

10-27-2023

(Sheet 2 of 2)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 1

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

#### Comments:

Equipment:  D-25  D-50  Hand Auger  Other

#### CLASSIFICATION

Elevation 625.5' Existing Surface

depth, ft.	standard penetration	moisture content	dry unit weight	unconfined compressive strength				
	X	Δ	⊗	○	1.0	2.0	3.0	4.0
					X	Δ		
1								
2	10	18.4			X	Δ		
3								
4								
5	7	31.8	83.5	1.7	X	●	Δ	
6								
7								
8	8	34.2			X		Δ	
9								
10	10	24.6	98.6	2.9	X	●	Δ	

End of Boring

G-303d

Water encountered at dry feet during drilling operations (W.D.)  
Water recorded at dry feet on completion of drilling operations (A.D.)  
Water recorded at dry feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 2

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

#### Comments:

Equipment:  D-25  D-50  Hand Auger  Other

#### CLASSIFICATION

Elevation 625.0' Existing Surface

depth, ft.	standard penetration	moisture content	dry unit weight	unconfined compressive strength				
	X	Δ	⊗	○	1.0	2.0	3.0	4.0
1								
2								
3	8	19.2			X	Δ		
4								
5	4	36.6	89.1	0.6	X	●	Δ	
6								
7								
8	5	35.5			X		Δ	
9								
10	7	27.9	93.5	2.0	X	●	Δ	

End of Boring

G-303d

Water encountered at dry feet during drilling operations (W.D.)  
Water recorded at dry feet on completion of drilling operations (A.D.)  
Water recorded at dry feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 3

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

#### Comments:

Equipment:  D-25  D-50  Hand Auger  Other

#### CLASSIFICATION

Elevation 623.5' Existing Surface

depth, ft.	standard penetration	moisture content	dry unit weight	unconfined compressive strength				
	X	Δ	⊗	○	1.0	2.0	3.0	4.0
1								
2								
3	7	16.9			X	Δ		
4								
5	4	20.5	107.6	1.0	X	●	Δ	
6								
7								
8	4	20.3			X		Δ	
9								
10	5	36.9			X		Δ	

End of Boring

G-303d

Water encountered at dry feet during drilling operations (W.D.)  
Water recorded at dry feet on completion of drilling operations (A.D.)  
Water recorded at dry feet hours after completion of drilling operations (A.D.)

DATE PLOTTED = 6/7/2024 11:20:54 AM  
PLOT SCALE = 0.20000" = 1' / in.  
MODEL = 020987.dwg  
MODEL DATE = 02/09/2024  
FILE NAME = N:\PROJ\020987\02\CADD\SH\Structural\020987-02-06-Boring\_Logs.dgn



8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
P 773.775.4009 | www.ciorba.com

USER NAME = skent	DESIGNED - SAK	REVISED -
DRAWN - SAK	REVISIONS -	
CHECKED -	REVISIONS -	
DATE - 6/7/2024	REVISIONS -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS I

SHEET S-05 OF S-07 SHEETS

FAI RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 77
CONTRACT NO. 61K72				
ILLINOIS FED. AID PROJECT				



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 4

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

**Comments:**

Equipment:  D-25  D-50  Hand Auger  Other

**CLASSIFICATION**

Elevation 623.0' Existing Surface

Crushed gravel

1 Dark brown-black-brown clay, some silt,  
trace sand & gravel, damp, tough - Fill

4 Dark brown-black-brown clay, some silt,  
trace sand & gravel, damp, stiff - Fill

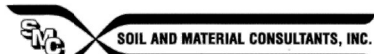
6 Black silt, some clay, trace sand &  
gravel, damp, loose - Fill

8 Brown-gray clay, some silt, trace sand  
& gravel, damp, stiff - Fill

End of Boring

G-303d

Water encountered at dry feet during drilling operations (W.D.)  
Water recorded at dry feet on completion of drilling operations (A.D.)  
Water recorded at feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 5

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

**Comments:**

Equipment:  D-25  D-50  Hand Auger  Other

**CLASSIFICATION**

Elevation 622.5' Existing Surface

Crushed gravel

1 Black-dark brown silt, some clay, trace  
sand & gravel, damp, loose - Fill

4 Dark brown-gray-black clay, some silt,  
trace sand & gravel, damp, tough - Fill

6 Dark brown silt, some sand, gravel &  
clay, trace crushed concrete, damp-  
saturated, medium dense - Fill

8 Dark brown silt, some clay, trace sand  
& roots, damp, loose (topsoil)

End of Boring

G-303d

Water encountered at 8.0 feet during drilling operations (W.D.)  
Water recorded at 8.0 feet on completion of drilling operations (A.D.)  
Water recorded at feet hours after completion of drilling operations (A.D.)



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

### SOIL BORING LOG 6

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

**Comments:**

Equipment:  D-25  D-50  Hand Auger  Other

**CLASSIFICATION**

Elevation 623.5' Existing Surface

Crushed gravel - 8.0"

1 Crushed limestone, saturated - 4.0"

Black silt, some clay, trace sand &  
gravel, damp, medium dense - Fill

4 Crushed concrete, damp, medium dense -  
Fill

5 Dark brown silt, some clay, trace sand,  
damp, loose

7 Brown-gray clay, some silt, trace sand  
& gravel, damp, very tough

End of Boring

G-303d

Water encountered at 0.7 feet during drilling operations (W.D.)  
Water recorded at 8.5 feet on completion of drilling operations (A.D.)  
Water recorded at feet hours after completion of drilling operations (A.D.)

DATE PLOTTED = 6/7/2024 11:20:57 AM  
FILE NAME = N:\PROJ\02020967\02\CAD\DD\SH\Structural\02020967\_02-06-Boring\_Logs\_IL.dgn  
PLOT SCALE = 0.2, 0.0001" = 1" in.  
PLOT DATE = 6/7/2024



USER NAME = skant	DESIGNED - SAK	REVISED -
DRAWN - SAK	REVISOR -	
CHECKED -	REVISOR -	
DATE - 6/7/2024	REVISOR -	

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### BORING LOGS II

SHEET S-06 OF S-07 SHEETS

FAI RTE. 2714	SECTION 19-00082-00-BT	COUNTY COOK	TOTAL SHEETS 102	SHEET NO. 78
CONTRACT NO. 61K72				
ILLINOIS FED. AID PROJECT				



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

**SOIL BORING LOG** 7

Logged By: CS Page: 1 of 1

Client: Ciorba Group, Inc.

File No. 27724 Date Drilled: 3/4/24

Reference: 25th Avenue Bike Path  
Broadview, IL

Comments:

Equipment:  D-25  D-50  Hand Auger  Other

CLASSIFICATION

Elevation 623.0' Existing Surface

Topsoil - Fill - 2.0'

1 Brown clay, some silt, trace sand & gravel, damp, tough - Fill

2

3

4

Concrete rubble, damp, very dense - Fill

5 Refusal at 4.0'

End of Boring

6

7

8

9

10

depth, ft.	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength
	X	Δ	×	○
5		24.9	99.2	1.9
50+		10.2		

○ unconfined compressive strength, tons/sq. ft.  
● penetrometer reading, tons/sq. ft.  
1.0 2.0 3.0 4.0  
X standard penetration "N", blows/ft.  
Δ moisture content, %  
10 20 30 40

Water encountered at dry feet during drilling operations (W.D.)  
Water recorded at dry feet on completion of drilling operations (A.D.)  
Water recorded at feet hours after completion of drilling operations (A.D.)

G-303d

DATE PLOTTED = 6/7/2024 11:20:59 AM  
PLOT TABLE = 02090702.tbl  
MODEL = C:\P-DF-Print  
FILE NAME = N:\PROJ\020907\02\CADD\SHS\Structural\020907\_02-07-Boring Logs III.dgn



8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
P 773.775.4009 | www.ciorba.com

USER NAME = skant	DESIGNED - SAK	REVISED -
PLOT SCALE = 0:2.0000" = 1" / in.	DRAWN - SAK	REVISED -
PLOT DATE = 6/7/2024	CHECKED -	REVISED -
	DATE - 6/7/2024	REVISED -

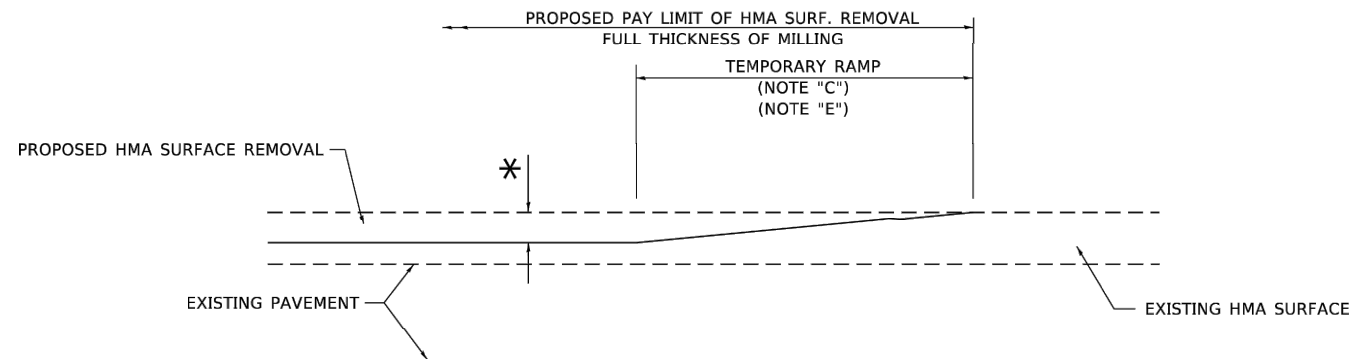
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS III

SHEET S-07 OF S-07 SHEETS

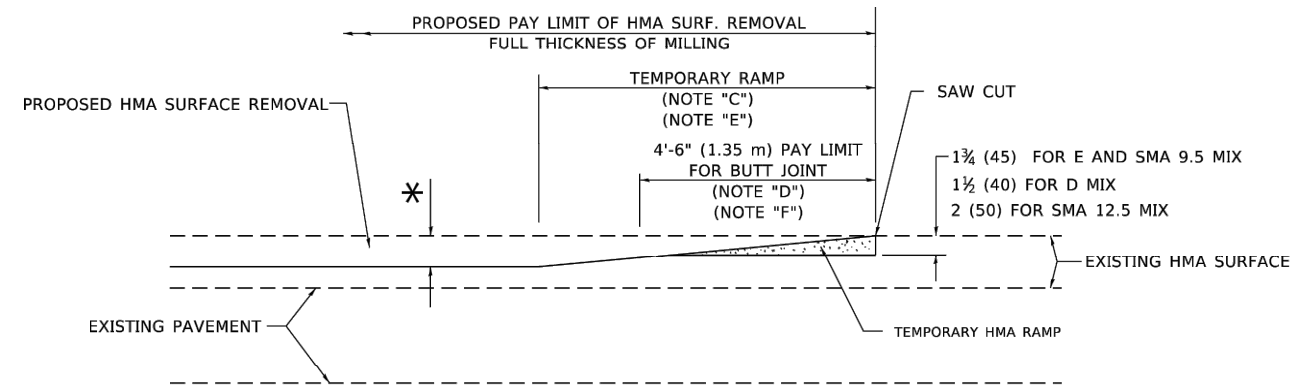
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	79
CONTRACT NO.				61K72
ILLINOIS FED. AID PROJECT				

Drawing file: W:\projects\_by\_village\broodview\20232868 - 25th avenue shared-use path phase ii\DOT Standard.dwg Jul 17, 2024 - 12:08pm



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

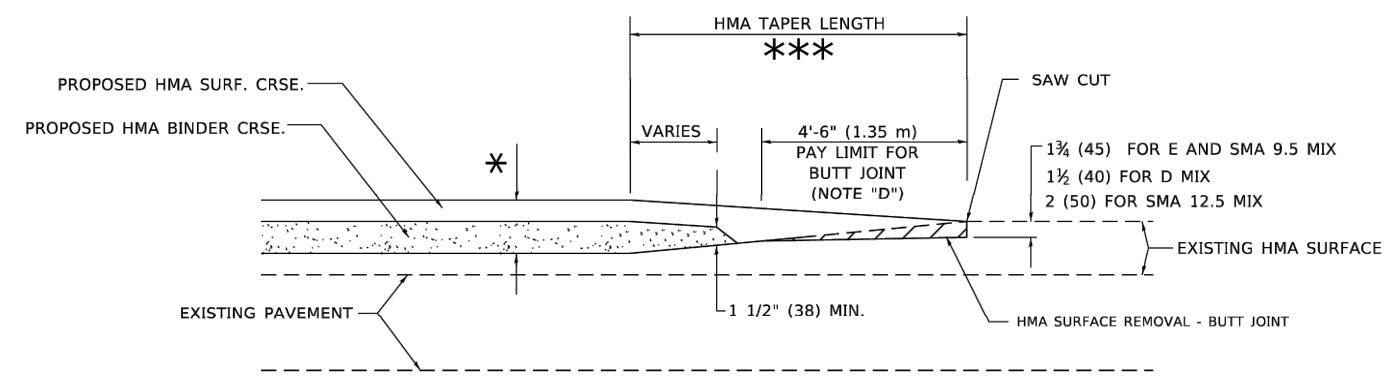
**OPTION 1**



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

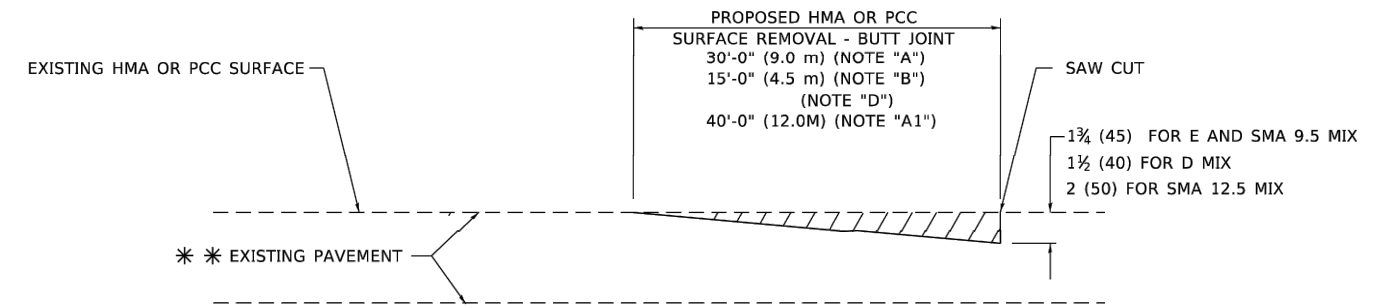
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

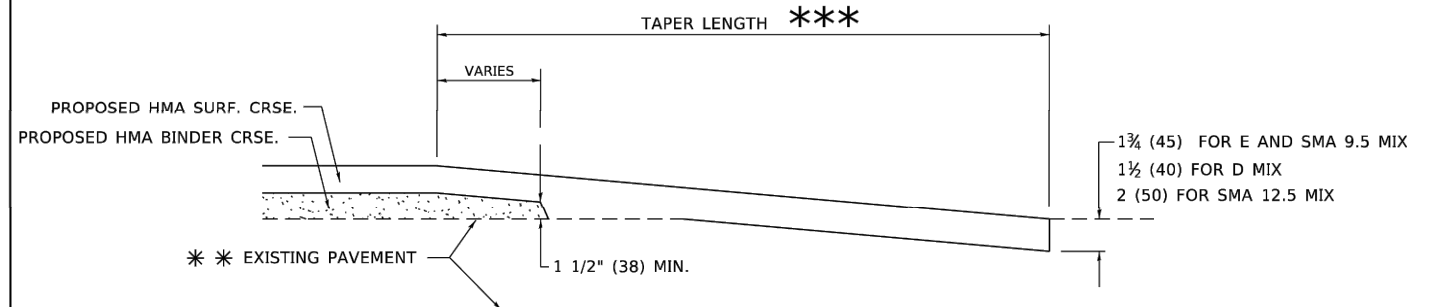


**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

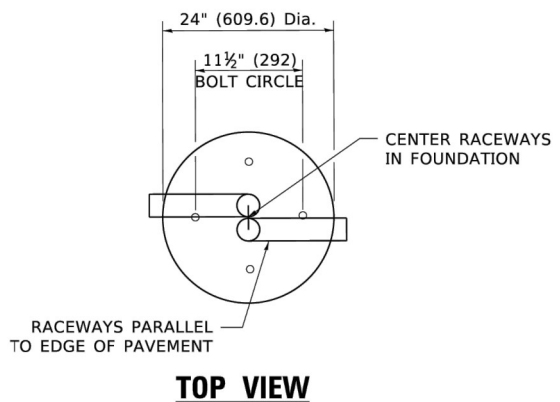
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME - Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED - M. GOMEZ 04-06-01	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	19-00082-00-BT	COOK	102	80
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22							BD-32			
PLOT DATE = 11/18/2022	DATE - 06-13-90								CONTRACT NO. 61K72			

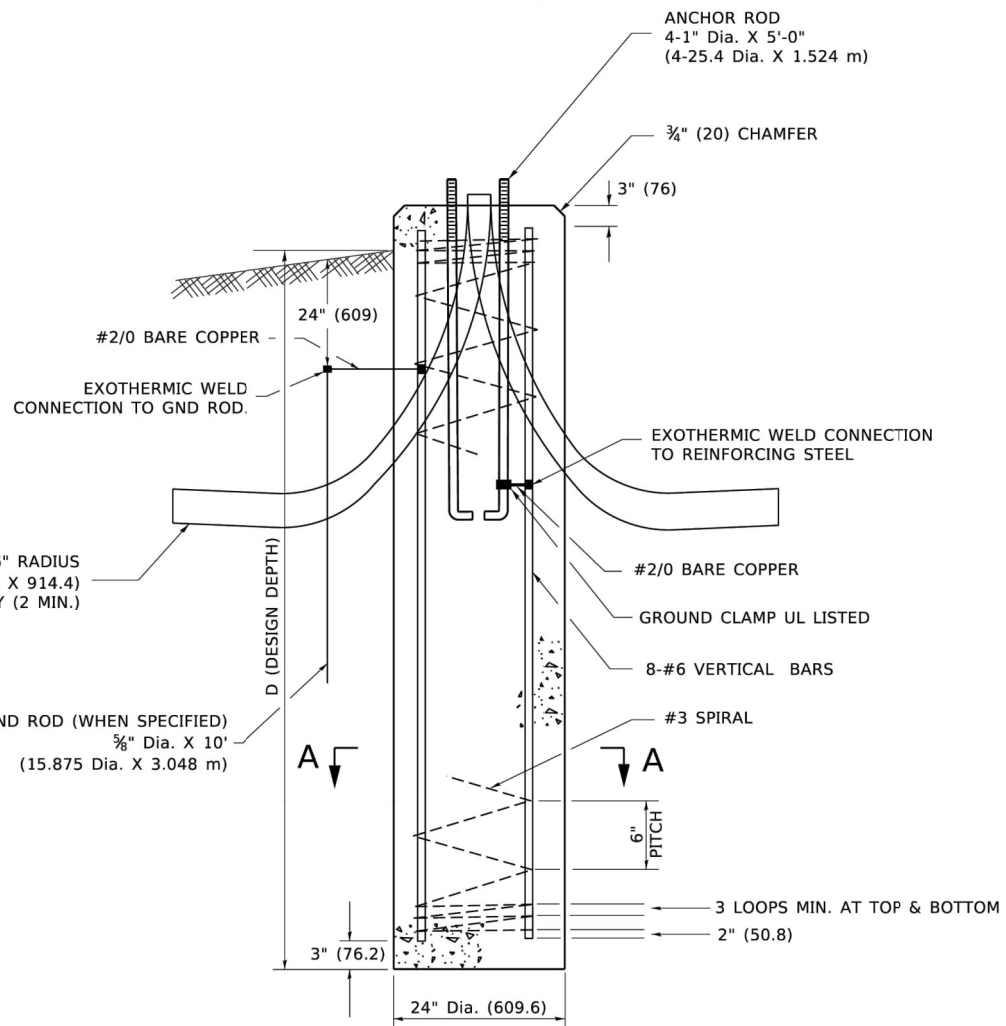


**LIGHT POLE FOUNDATION DEPTH TABLE**  
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

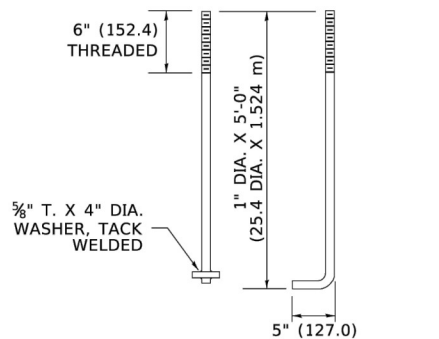
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



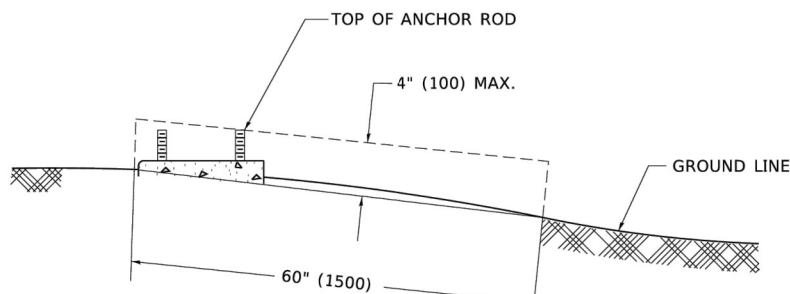
**TOP VIEW**



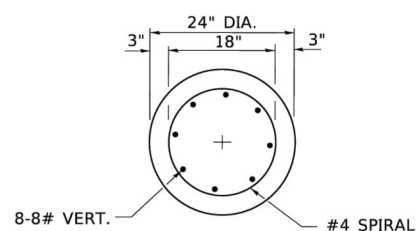
**FOUNDATION DETAIL**



**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

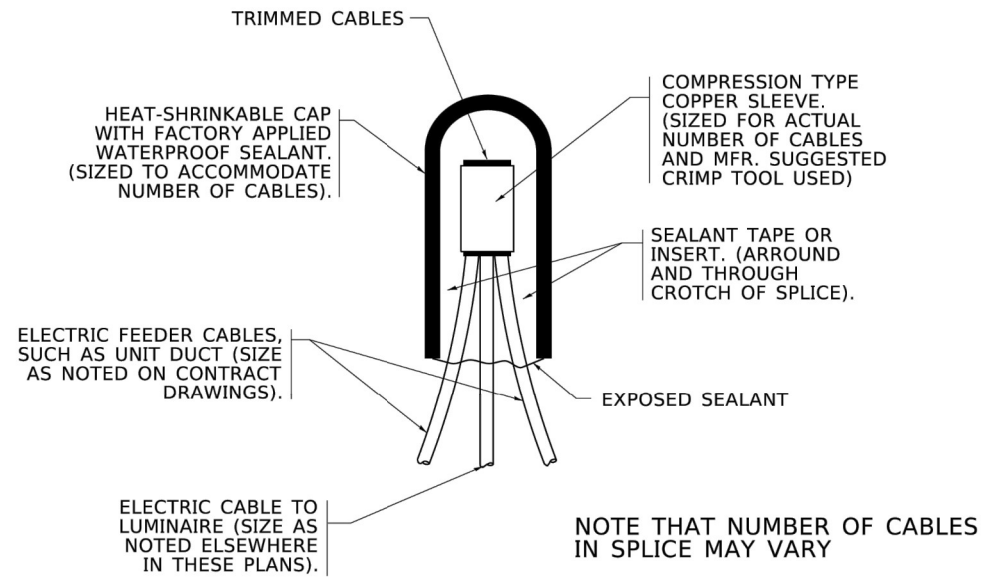
MODEL: D:\default... PROJECTS\... 11/19/2019

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

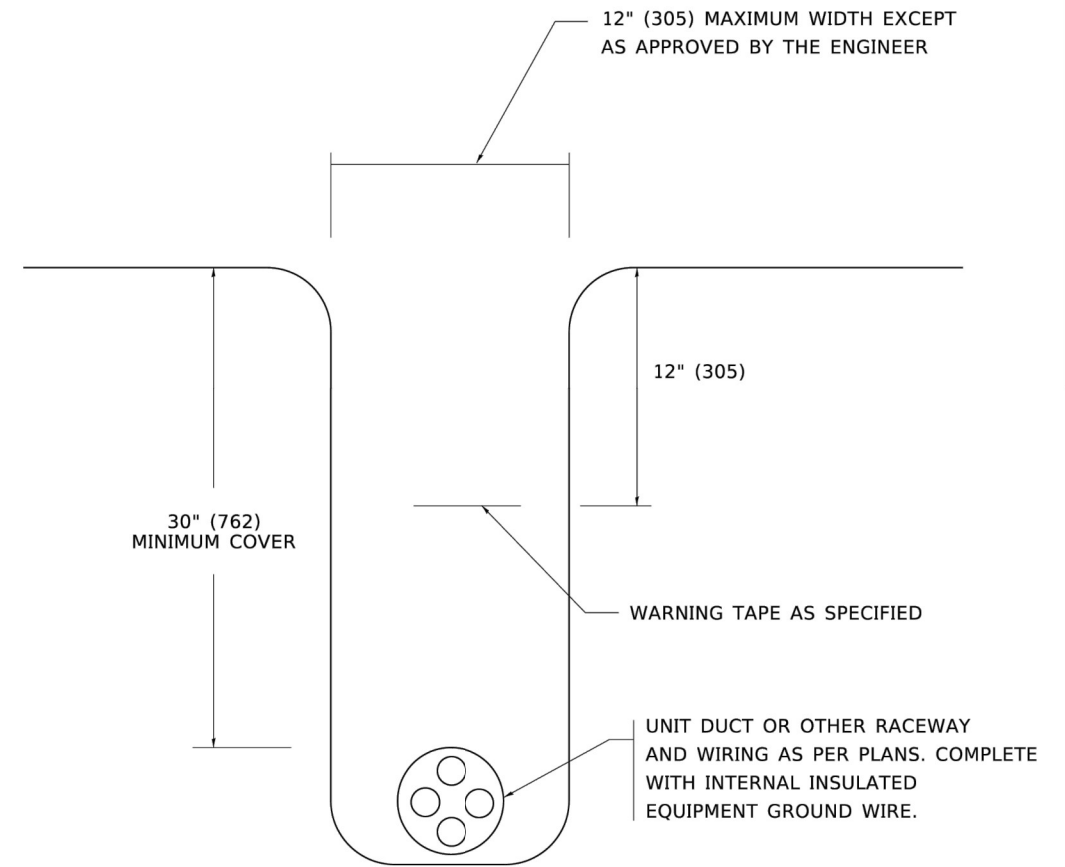
**LIGHT POLE FOUNDATION**  
**30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE**  
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-300		102	81
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

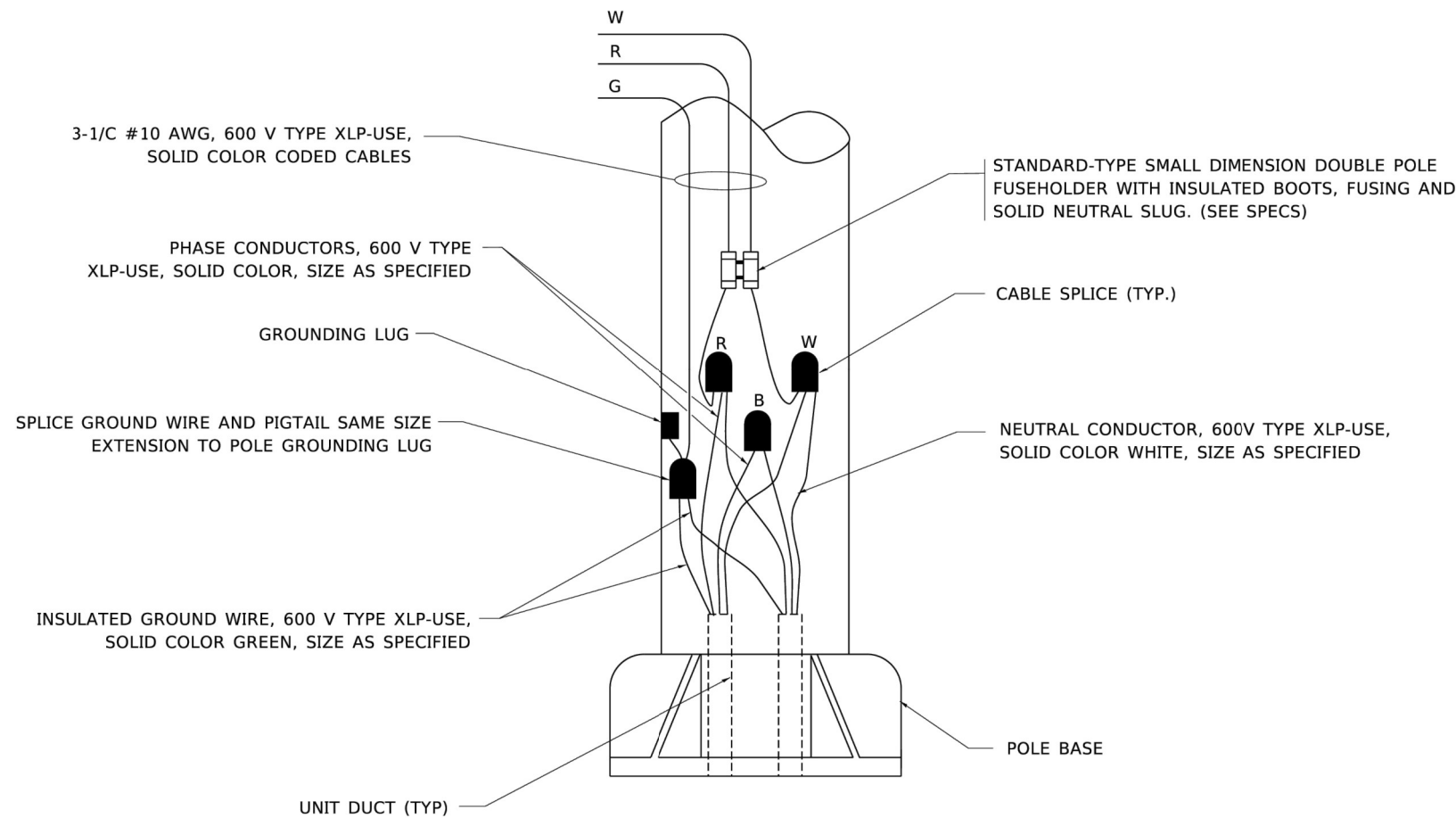


**TYPICAL SPLICE DETAIL**  
**N.T.S.**

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**



**POLE WIRING DETAIL**  
**N.T.S.**

MODEL: Default  
FILE NAME: p:\iplanroom.dat\illinois.gov\PWDOT\Documents\DOT\_Offices\District\_1\Projects\BHS\BHS22\23A1\CAD\BHA\CAD\BHS\BHS22.dgn

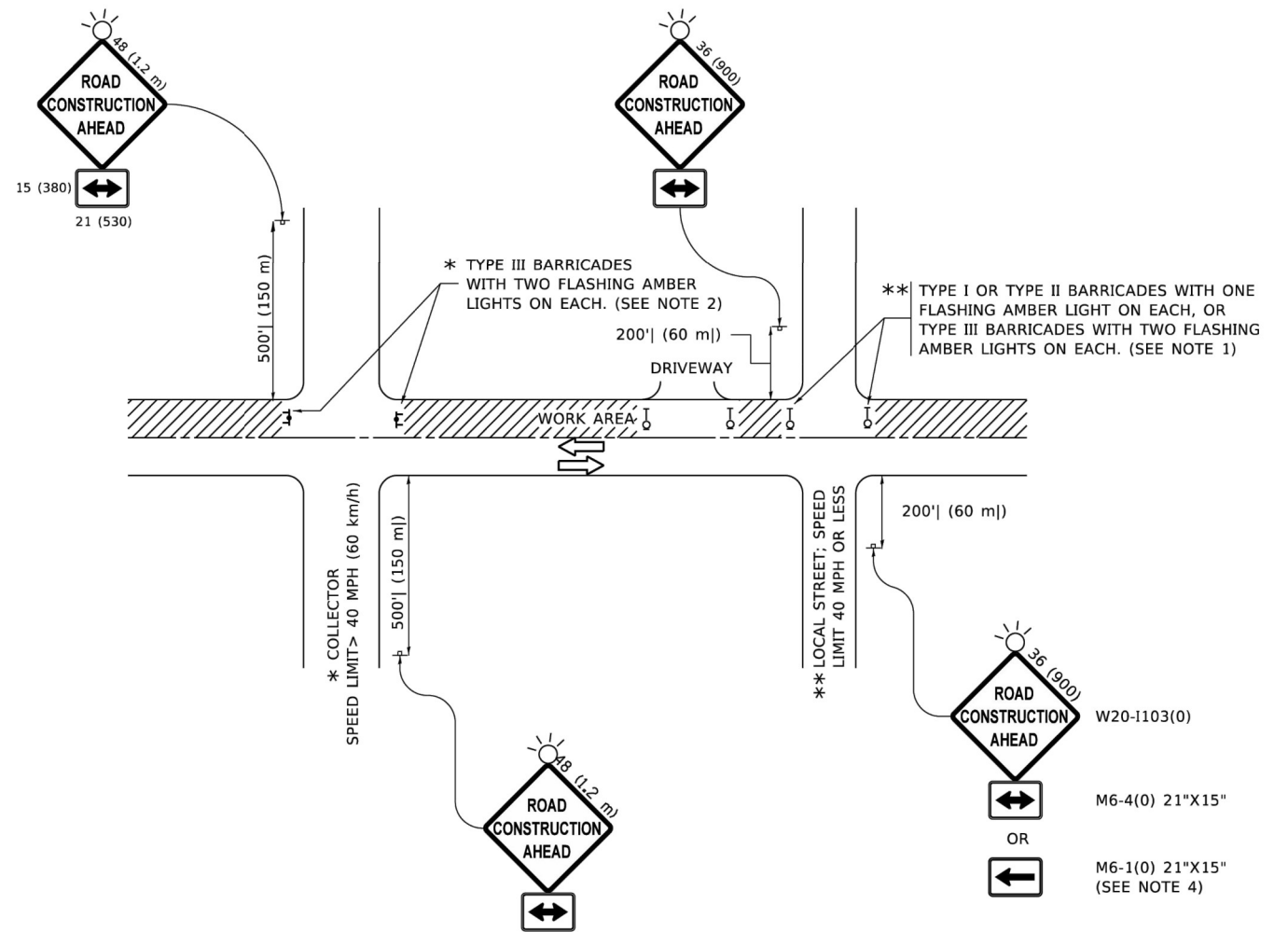
USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

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

**MISC. ELECTRICAL DETAILS**  
**SHEET A**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			102	82
BE-702		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

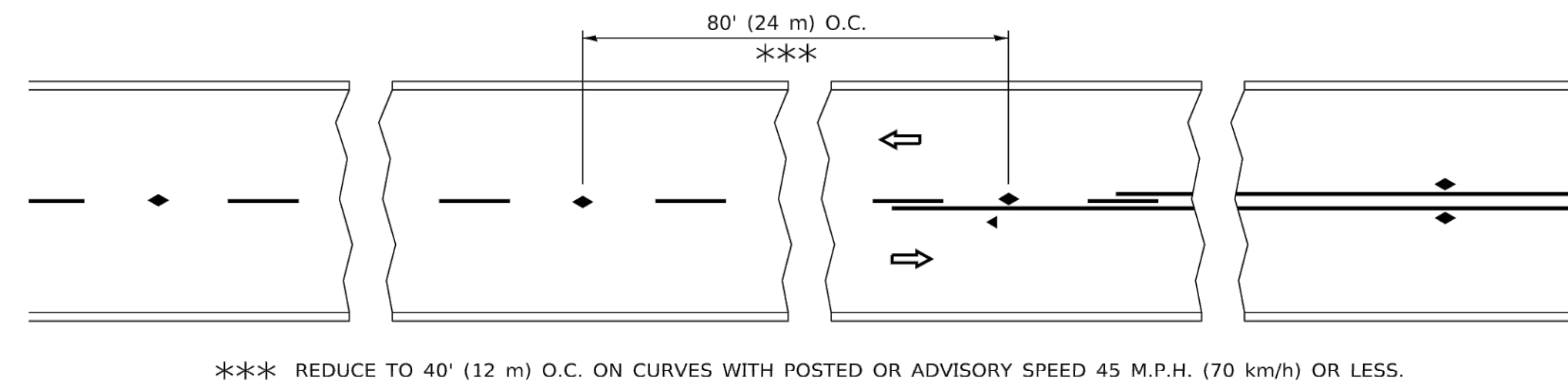
USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000' / 1 in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

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

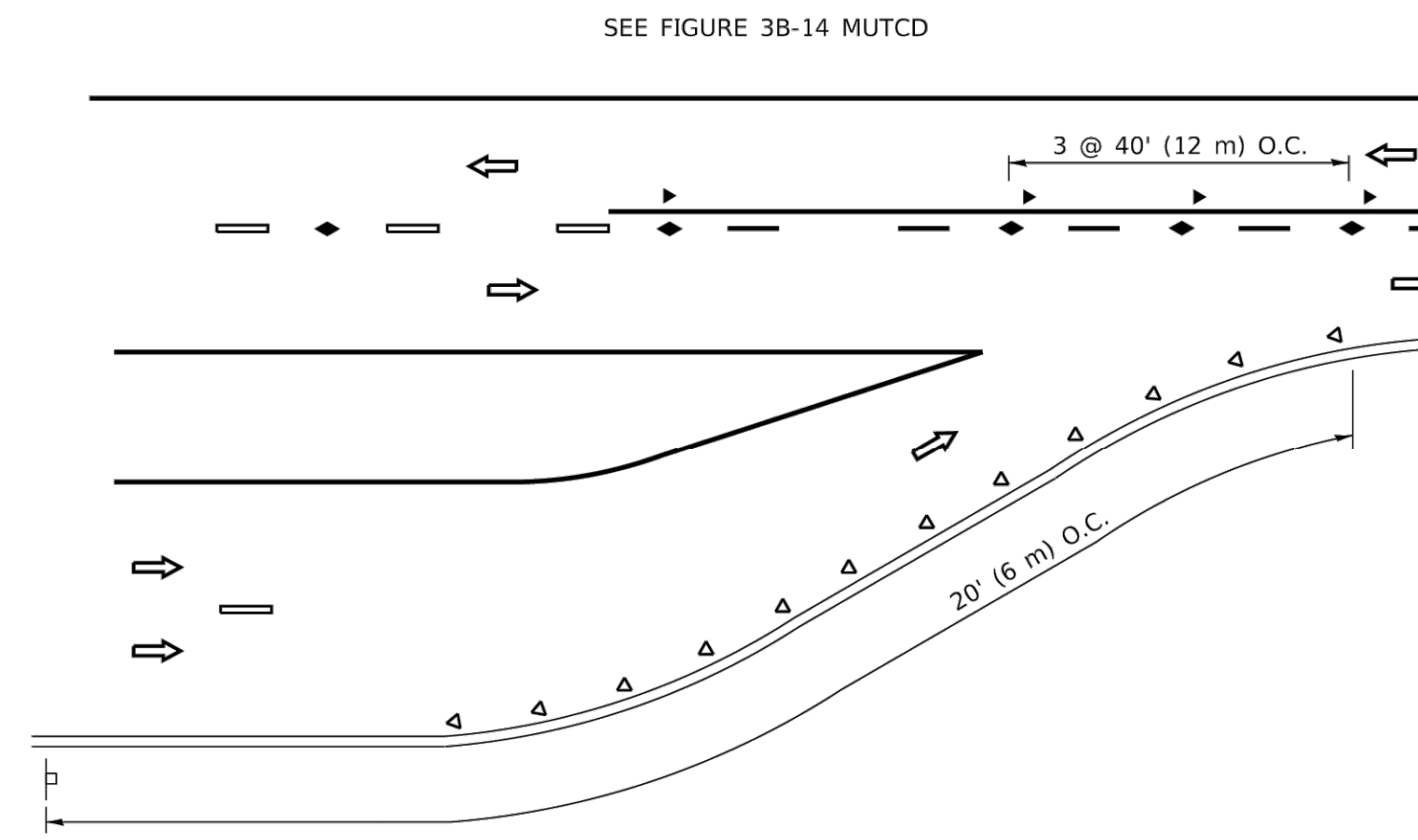
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	83
	TC-10		CONTRACT NO. 61K72	

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

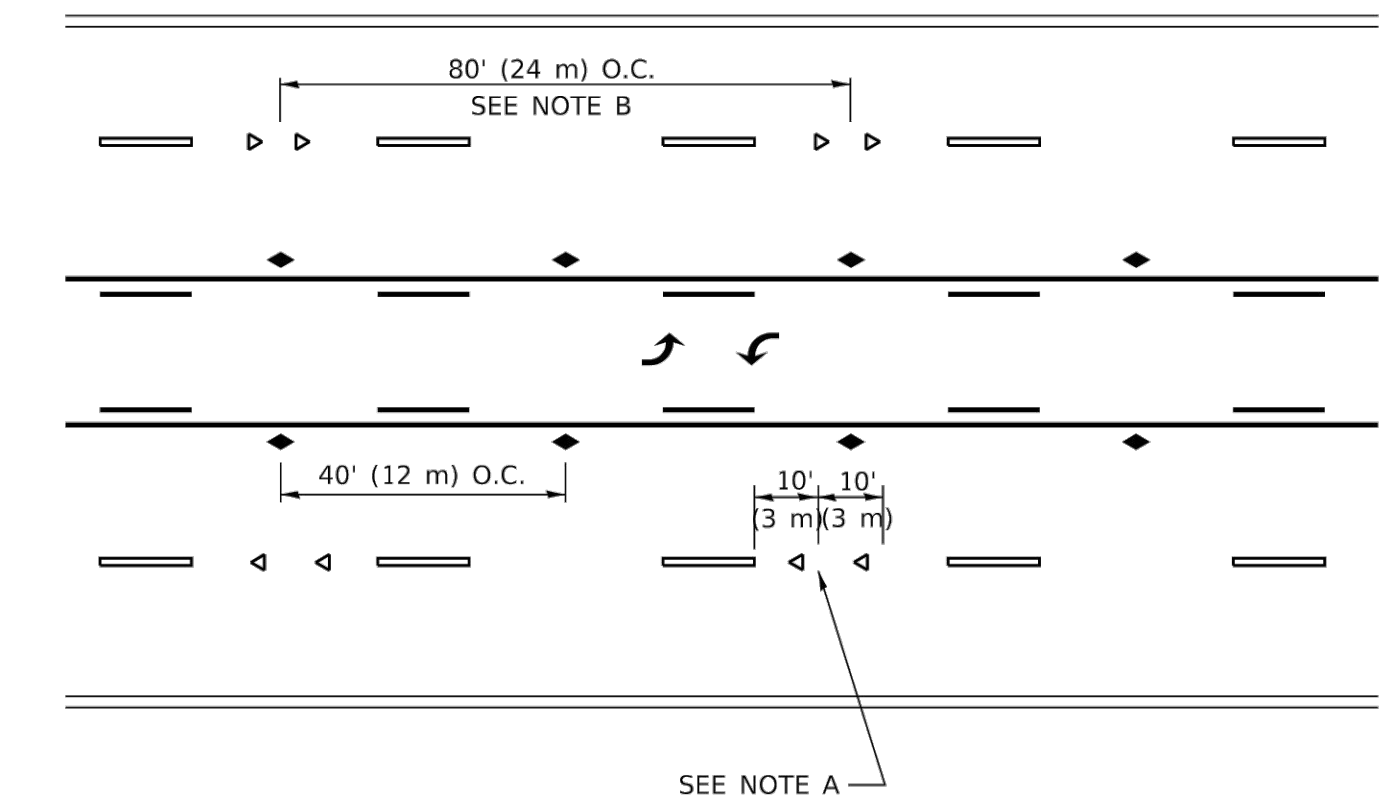
Drawing file: W:\Projects\by\_Village\Brookview\12023266 - 25th Avenue Shored-Use Path Phase II\DOT\_Standards.dwg Aug 05, 2024 - 2:04pm



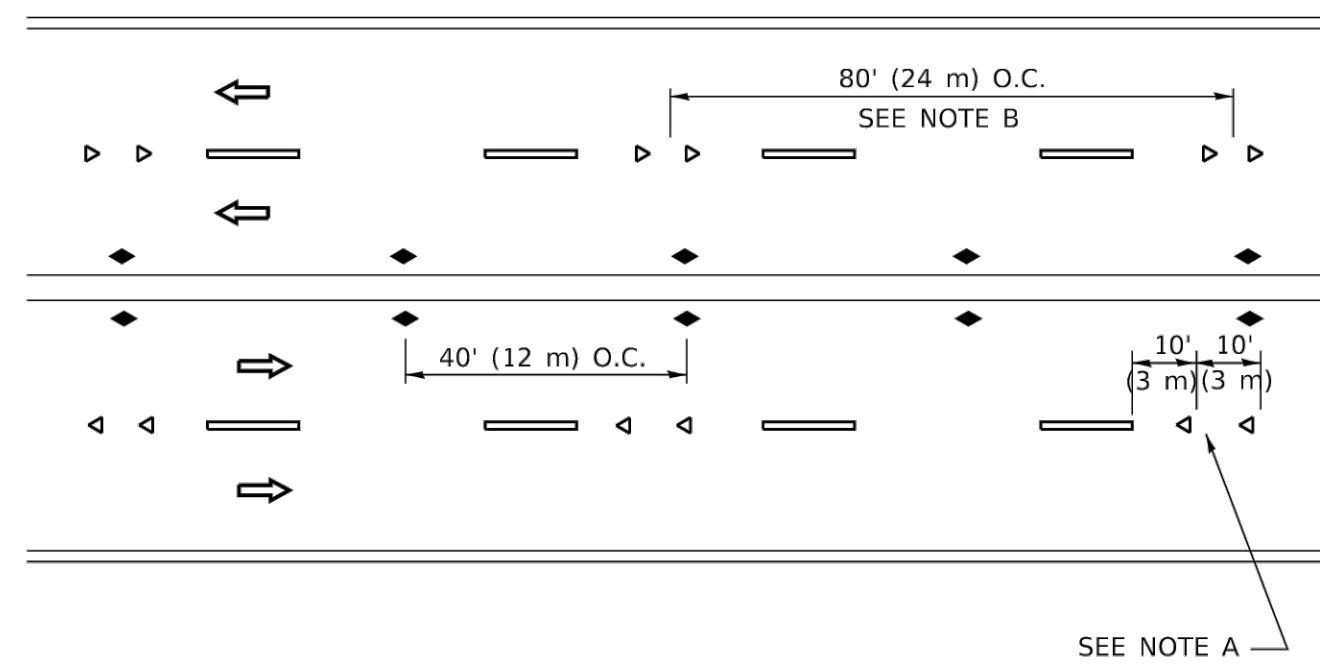
**TWO-LANE/TWO-WAY**



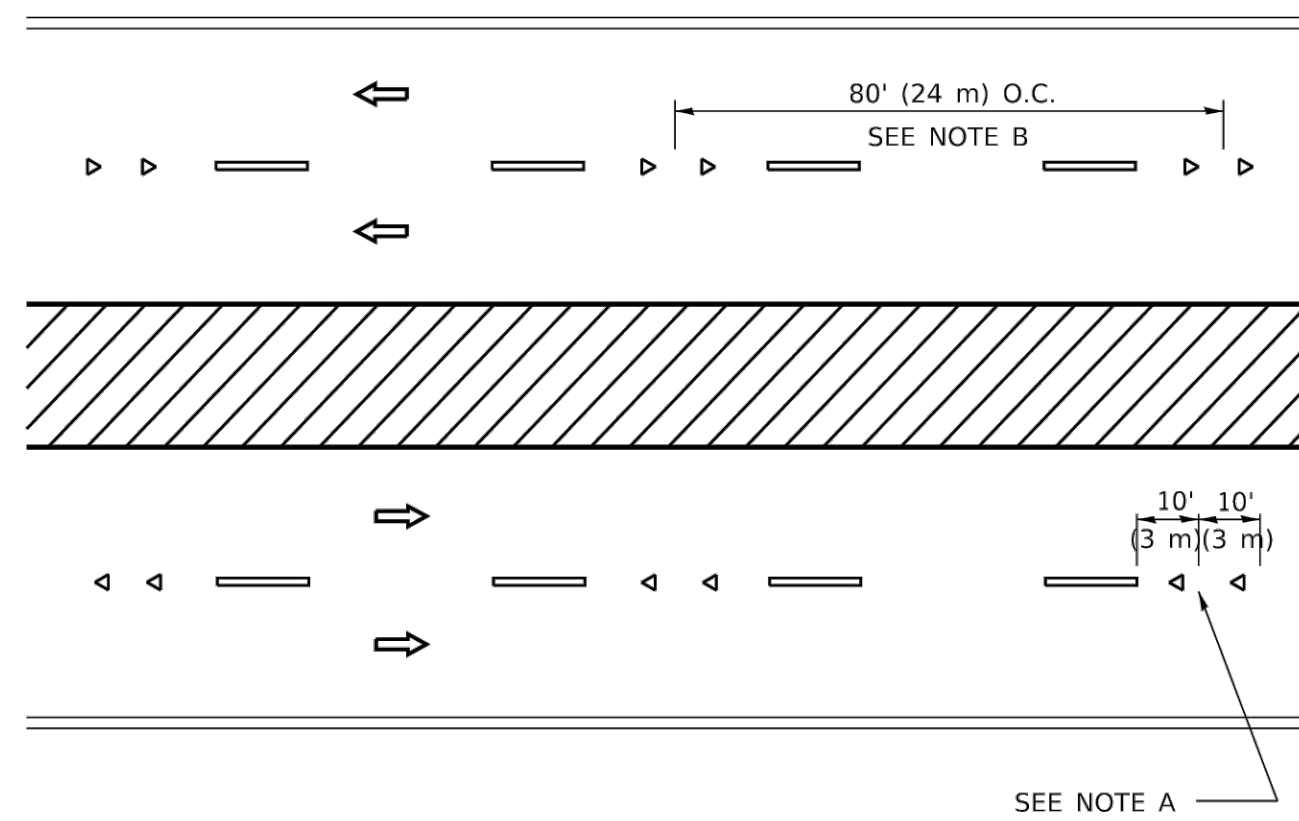
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

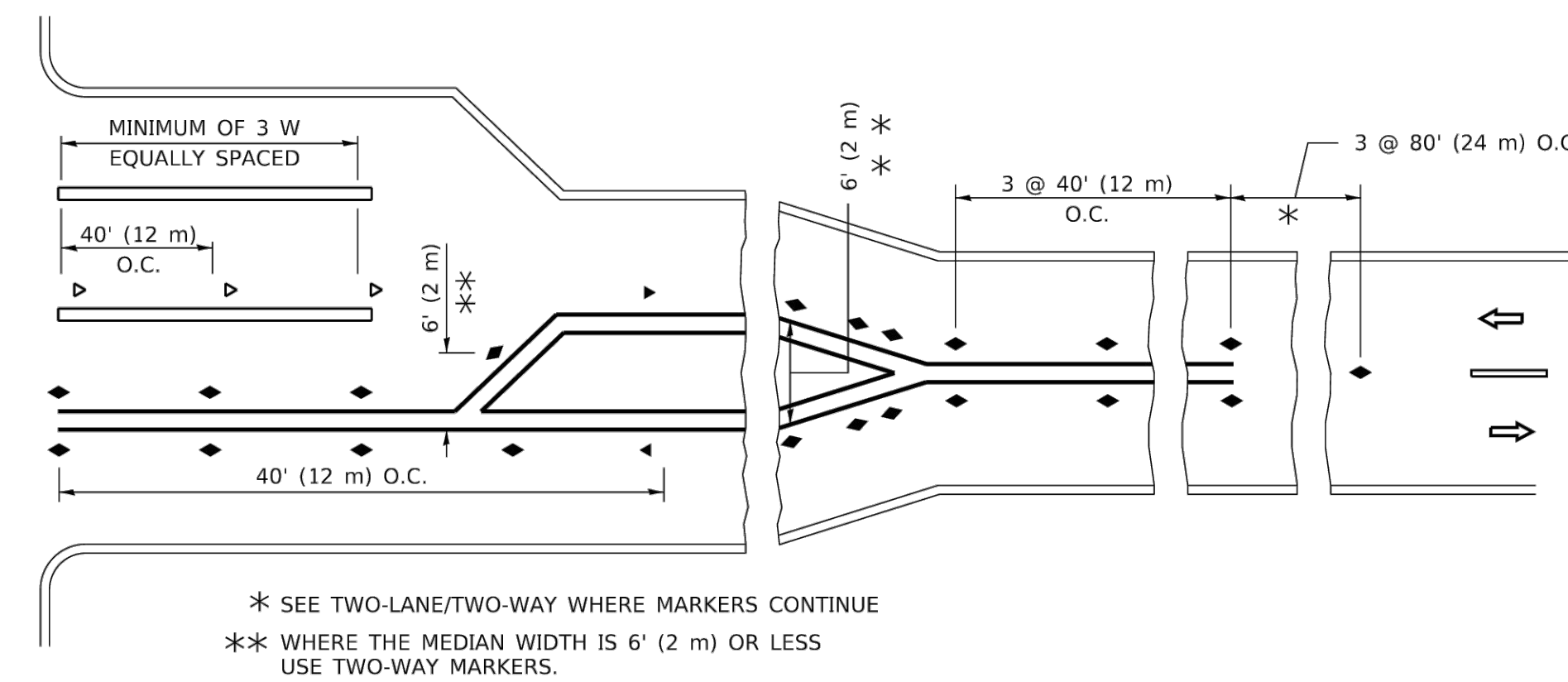
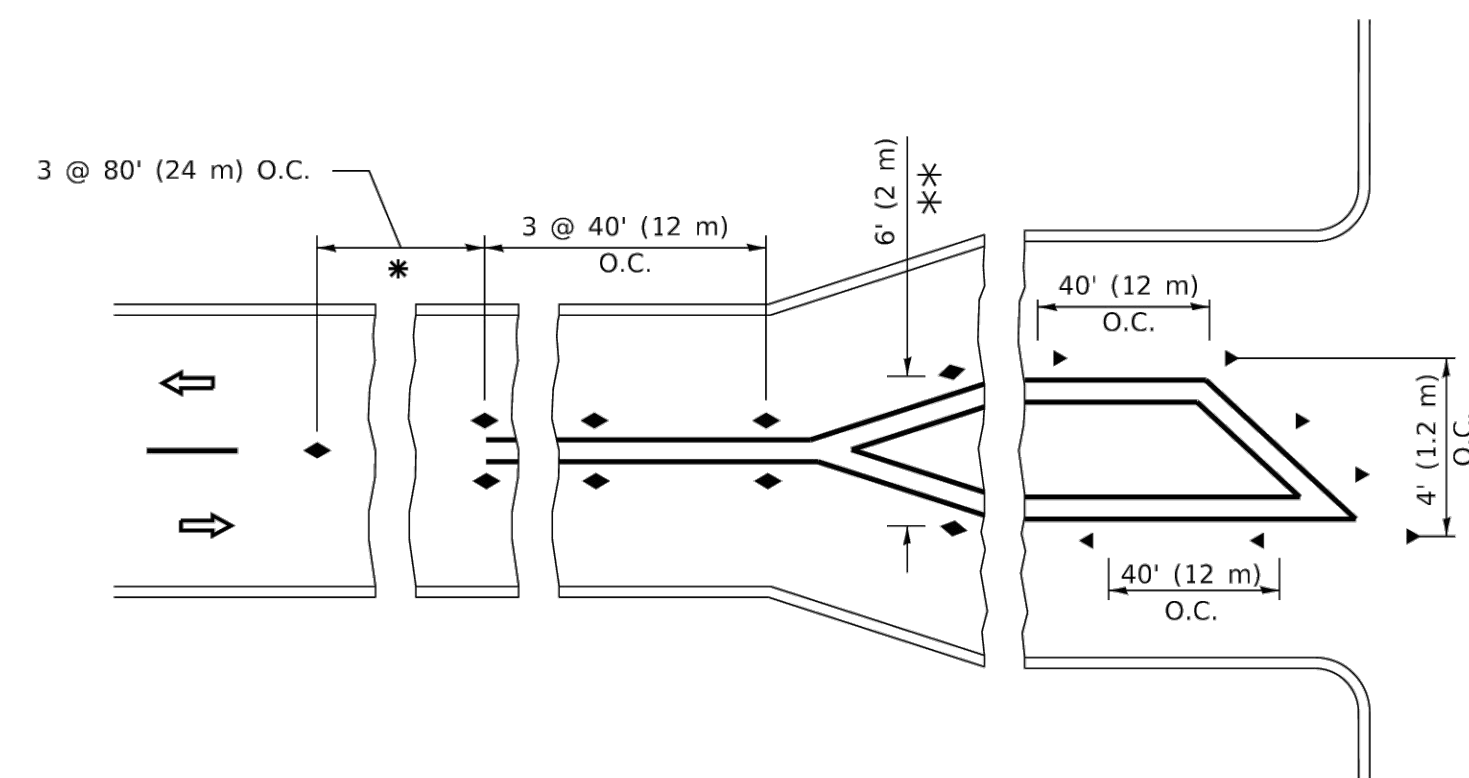
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



**TURN LANES**

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

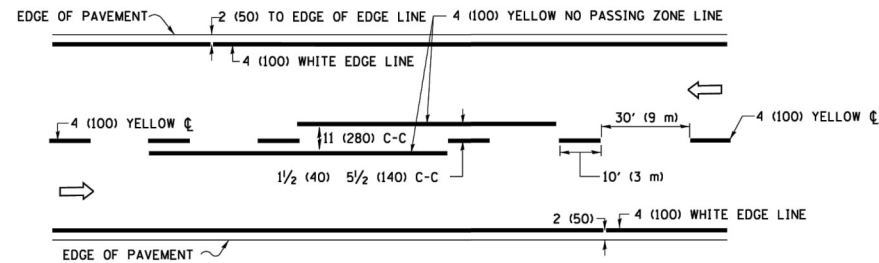
**TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	83A
TC-11		CONTRACT NO. 61K72		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

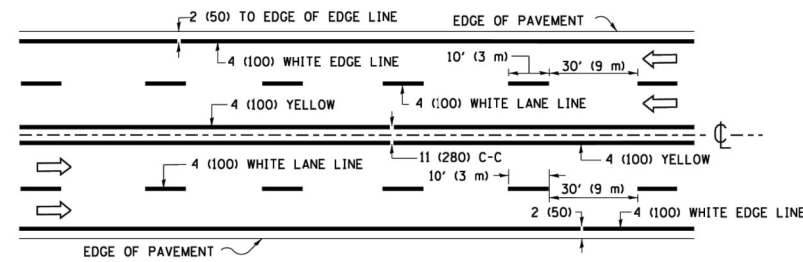
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

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

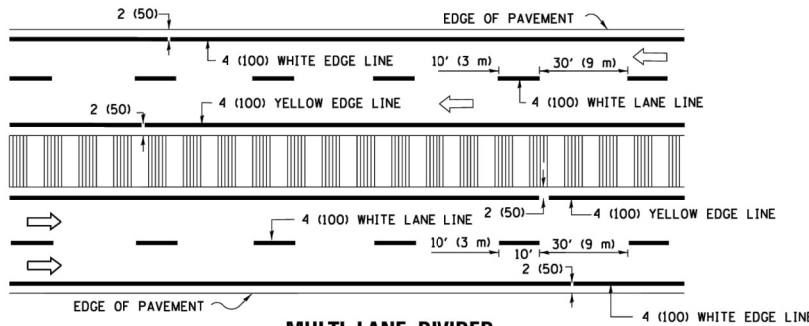
E.H.E. PROJECT NO. 120-23-26801



### 2-LANE ROADWAY

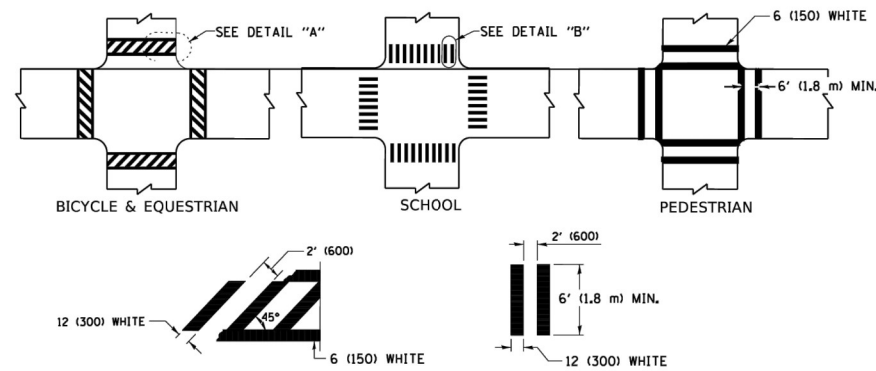


### MULTI-LANE UNDIVIDED



### MULTI-LANE DIVIDED WITH MEDIAN

### TYPICAL LANE AND EDGE LINE MARKING

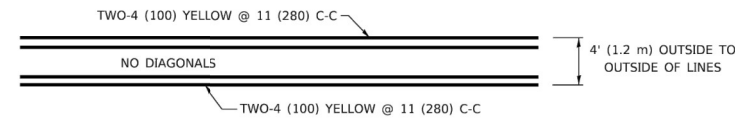


DETAIL "A"

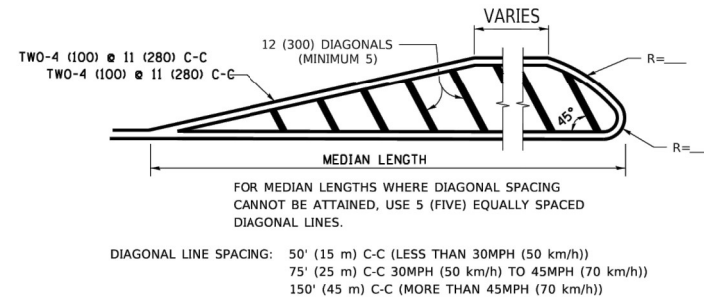
DETAIL "B"

### TYPICAL CROSSWALK MARKING

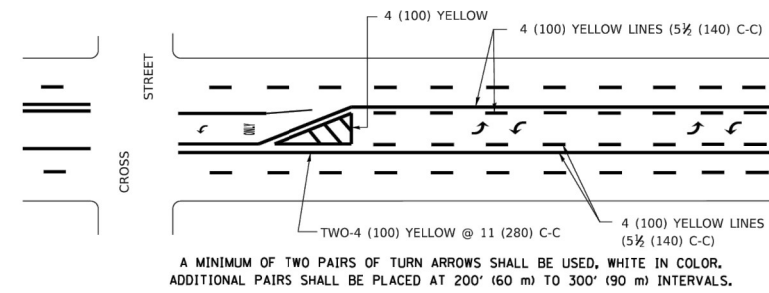
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



### 4' (1.2 m) WIDE MEDIANS ONLY

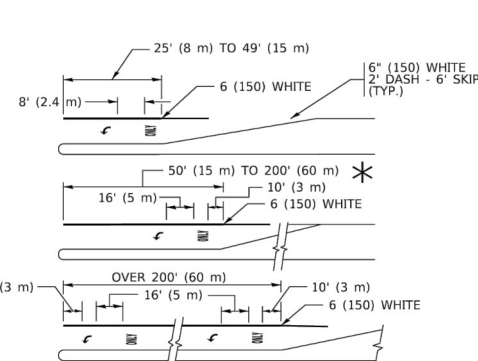


### MEDIANS OVER 4' (1.2 m) WIDE



### MEDIAN WITH TWO-WAY LEFT TURN LANE

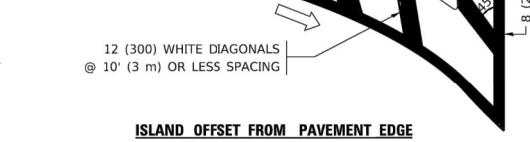
### TYPICAL PAINTED MEDIAN MARKING



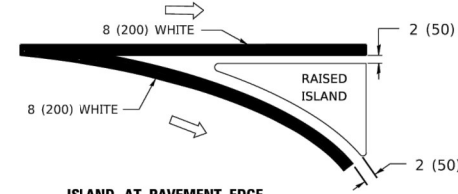
### TYPICAL LEFT (OR RIGHT) TURN LANE

### TYPICAL TURN LANE MARKING

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

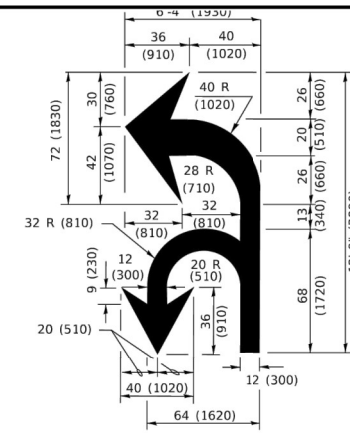


ISLAND OFFSET FROM PAVEMENT EDGE

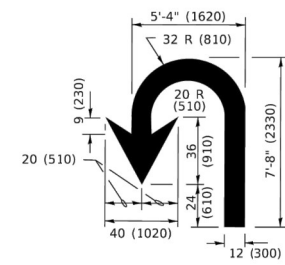


ISLAND AT PAVEMENT EDGE

### TYPICAL ISLAND MARKING



### COMBINATION LEFT AND U-TURN



### U-TURN

### LANE REDUCTION TRANSITION

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

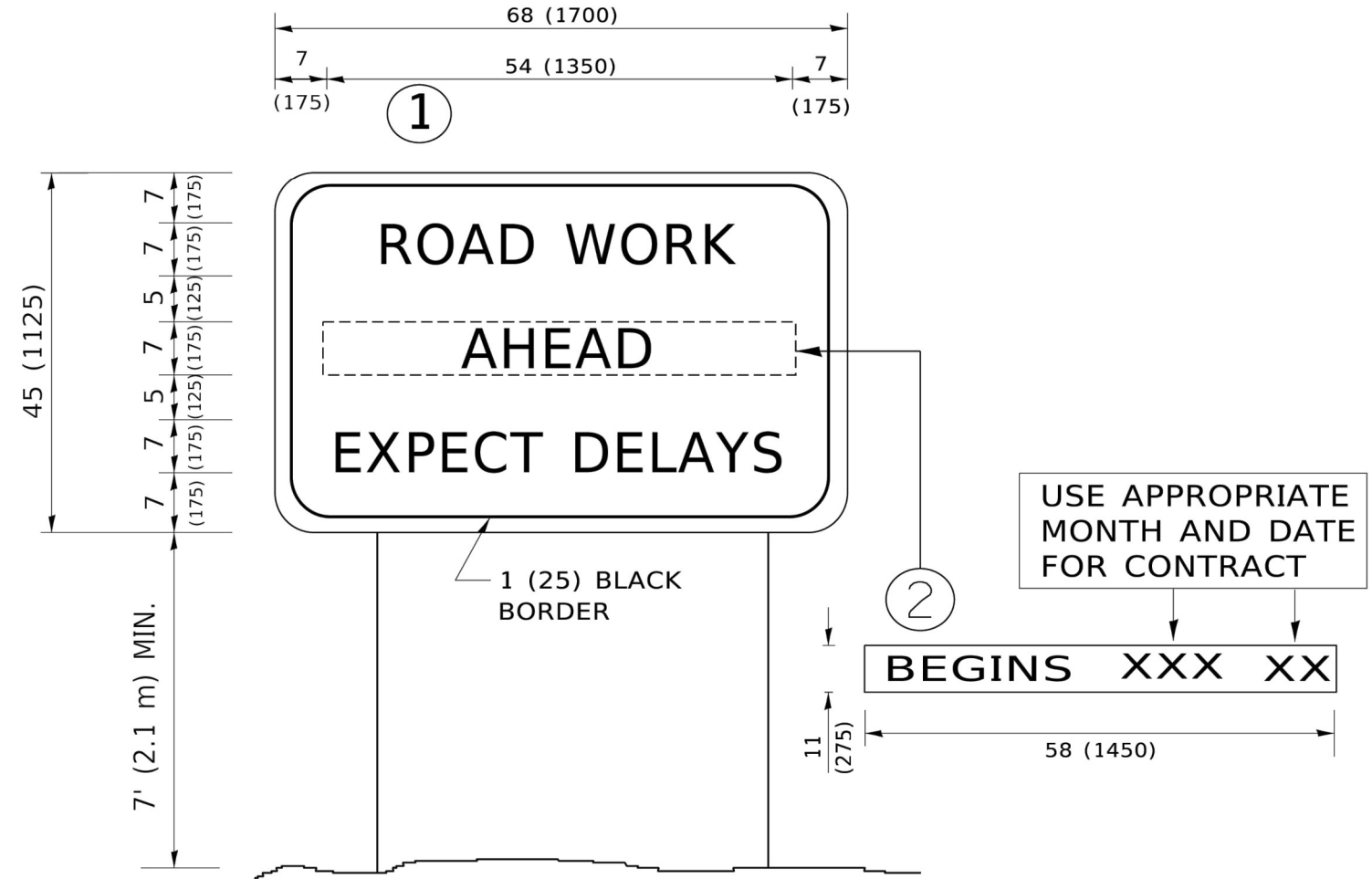
D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

Drawing file: W:\projects\_by\_sillage\broodview\20232688 - 25th avenue ahead-use path phase ii\DOT Standard.dwg Jul 17, 2024 - 12:08pm

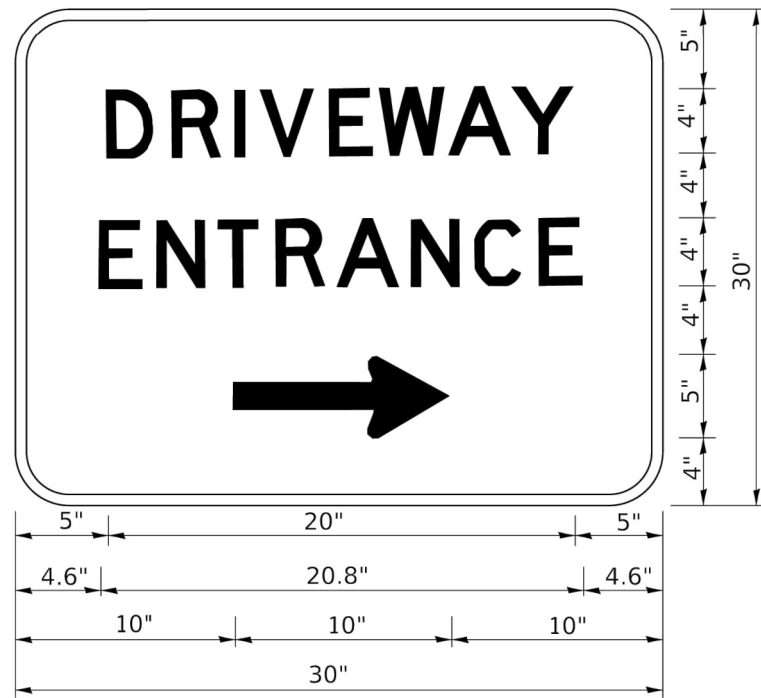


**NOTES:**

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

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

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	2714	19-00082-00-BT	COOK	102	85
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99								TC-22	CONTRACT NO. 61K72		
	DATE -	REVISED - C. JUCIUS 01-31-07								FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

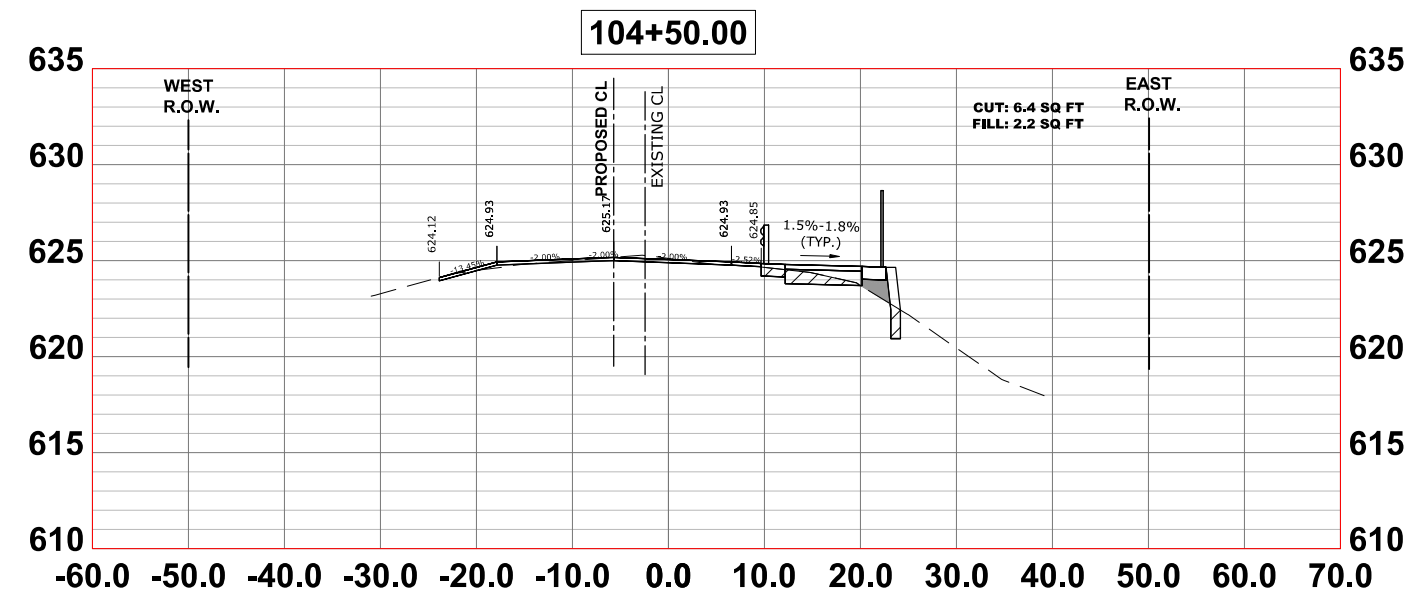
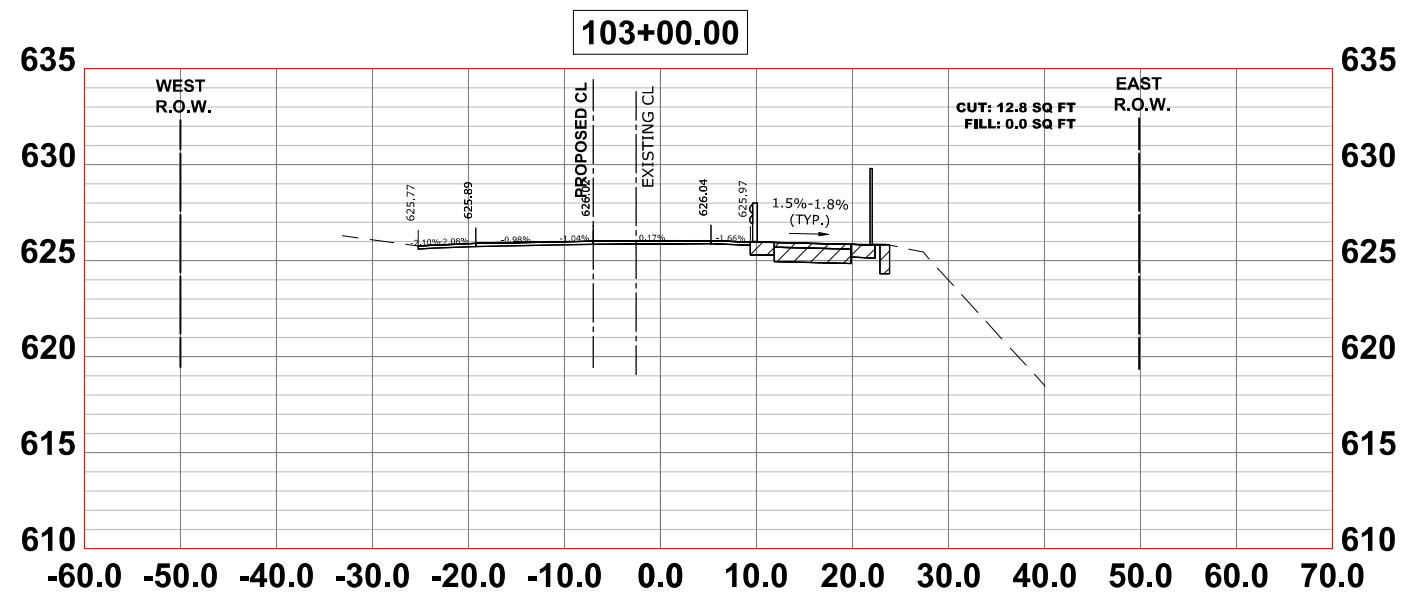
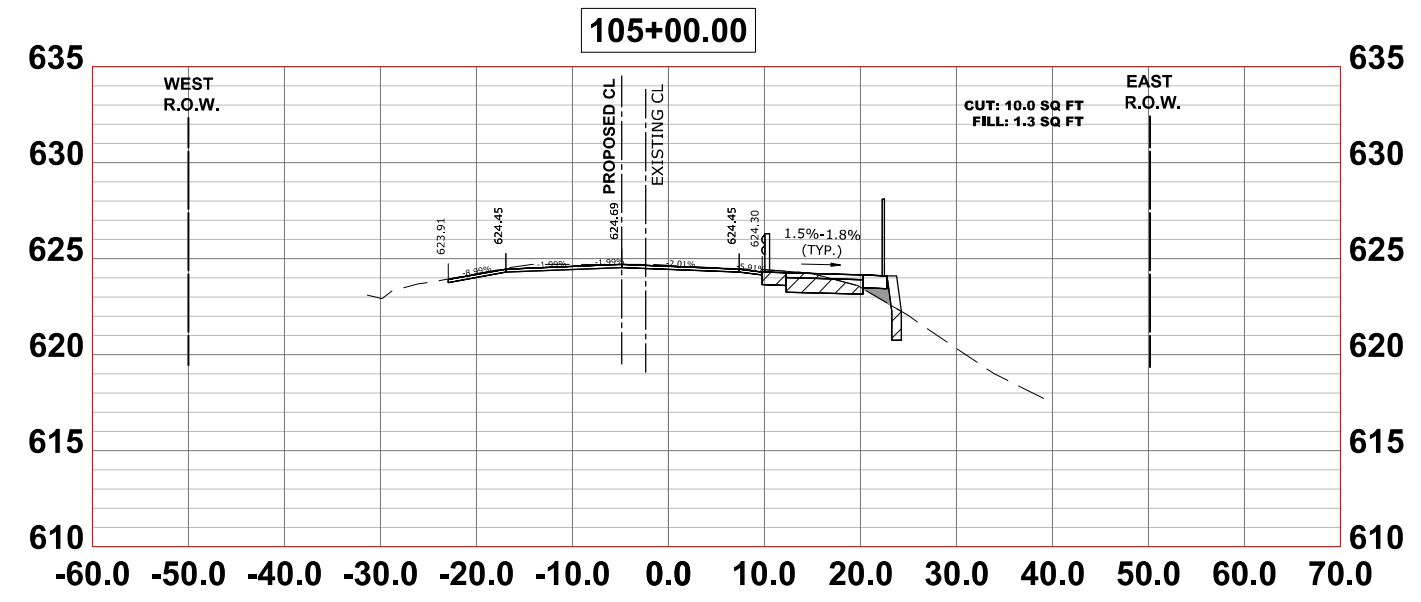
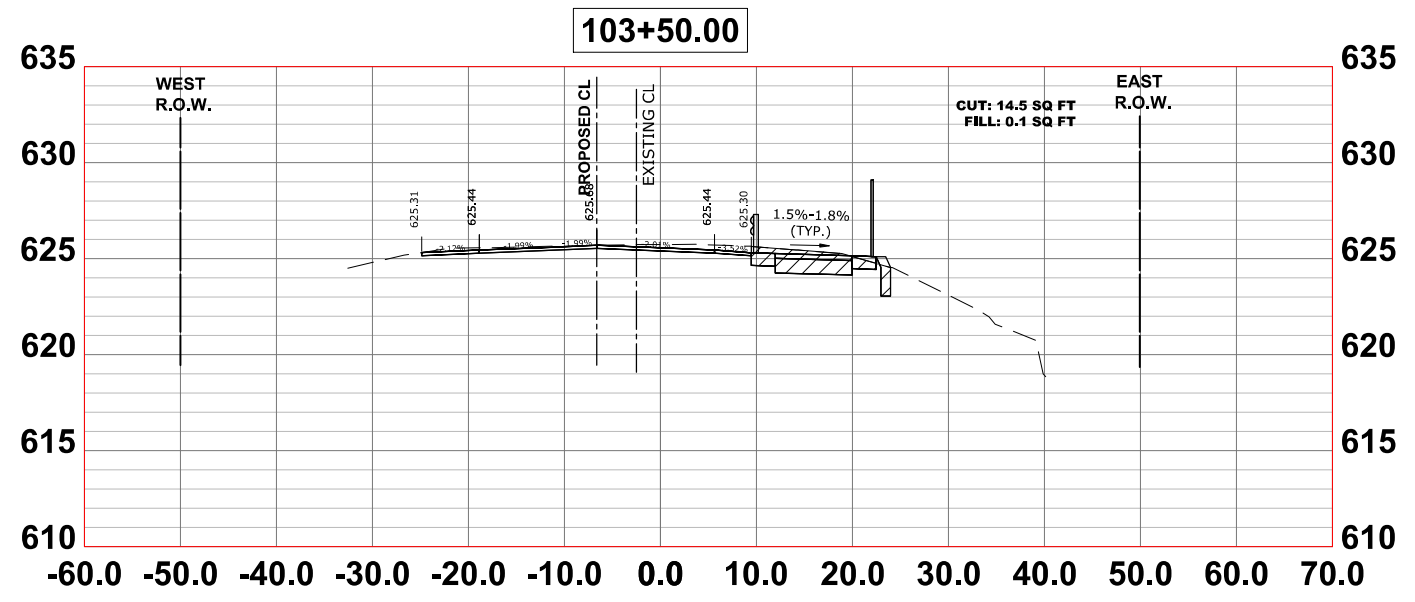
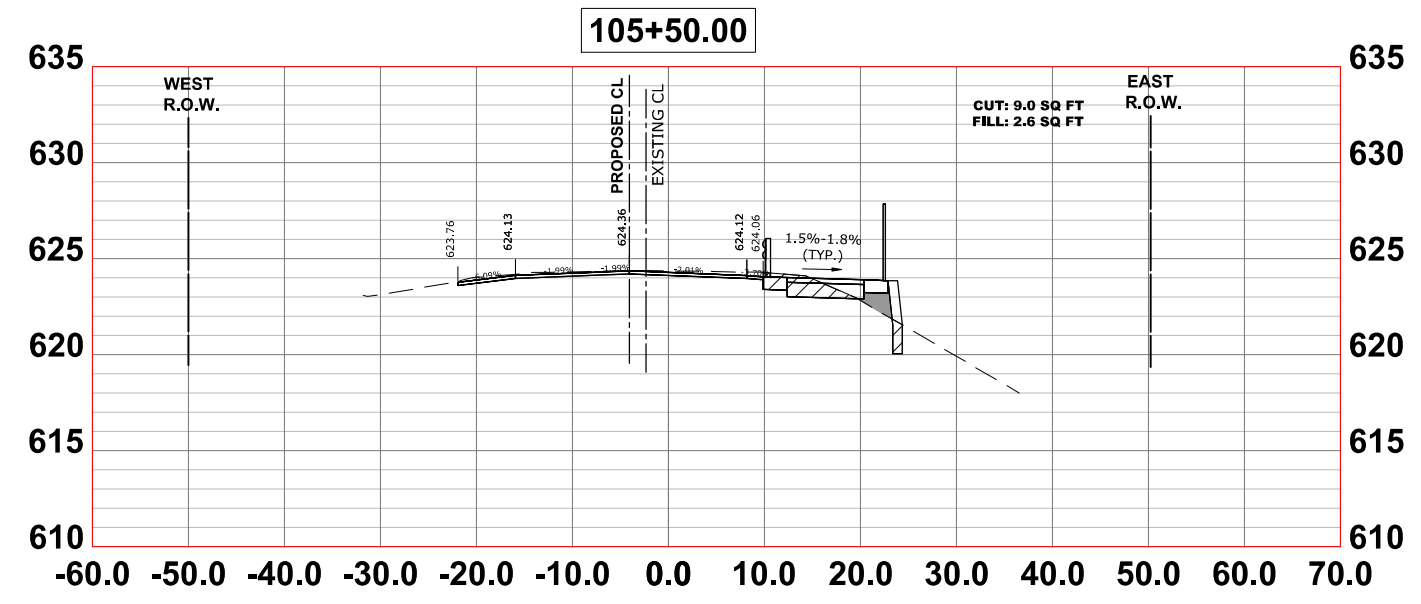
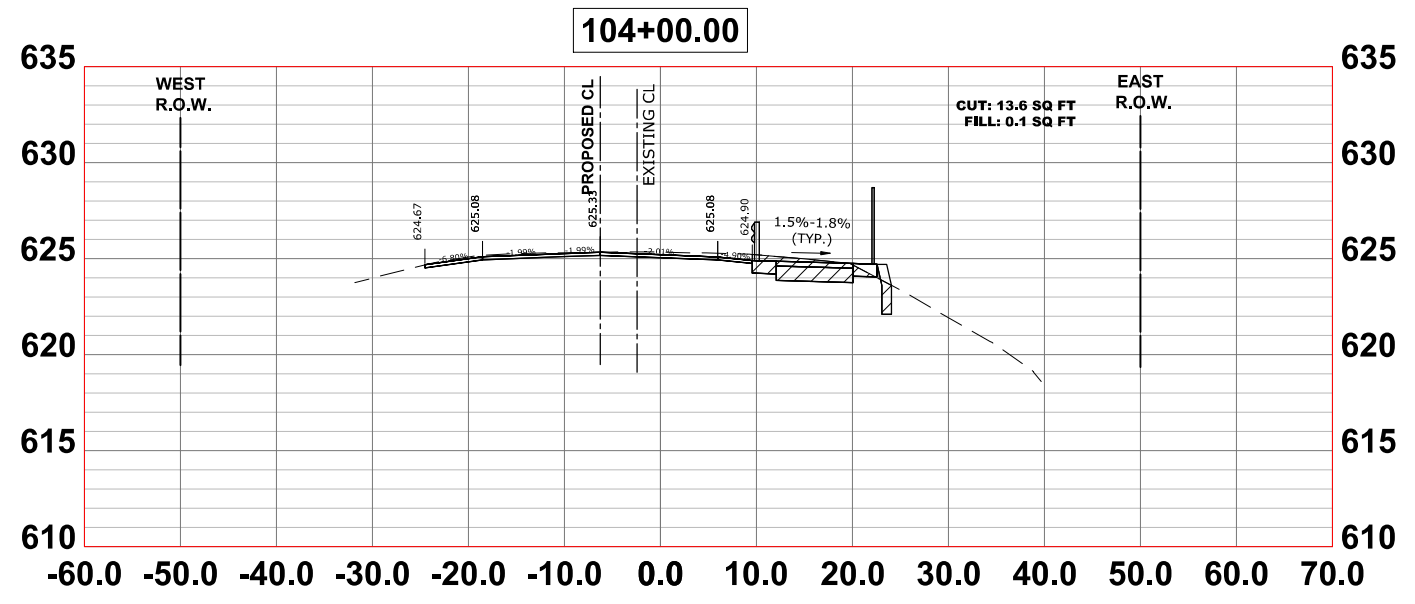
**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

Drawing file: W:\projects\_by\_sillage\broodview\2023268 - 25th avenue shared-use path phase ii\DOT Standard.dwg Jul 17, 2024 - 12:08pm

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRIVEWAY ENTRANCE SIGNING</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -				2714	19-00082-00-BT	COOK	102	86
PLOT DATE = 8/6/2021	CHECKED -	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		TC-26		CONTRACT NO. 61K72		
	DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT E.H.E. PROJECT NO. 120-23-26801						

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



9928 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

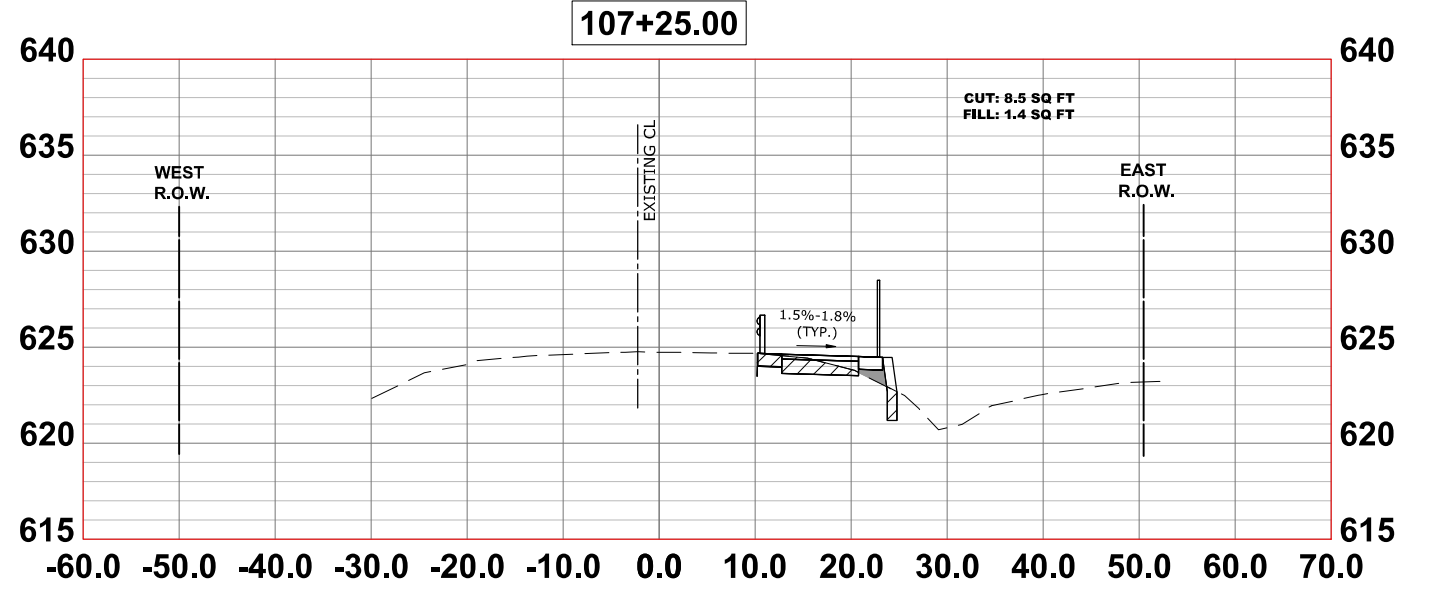
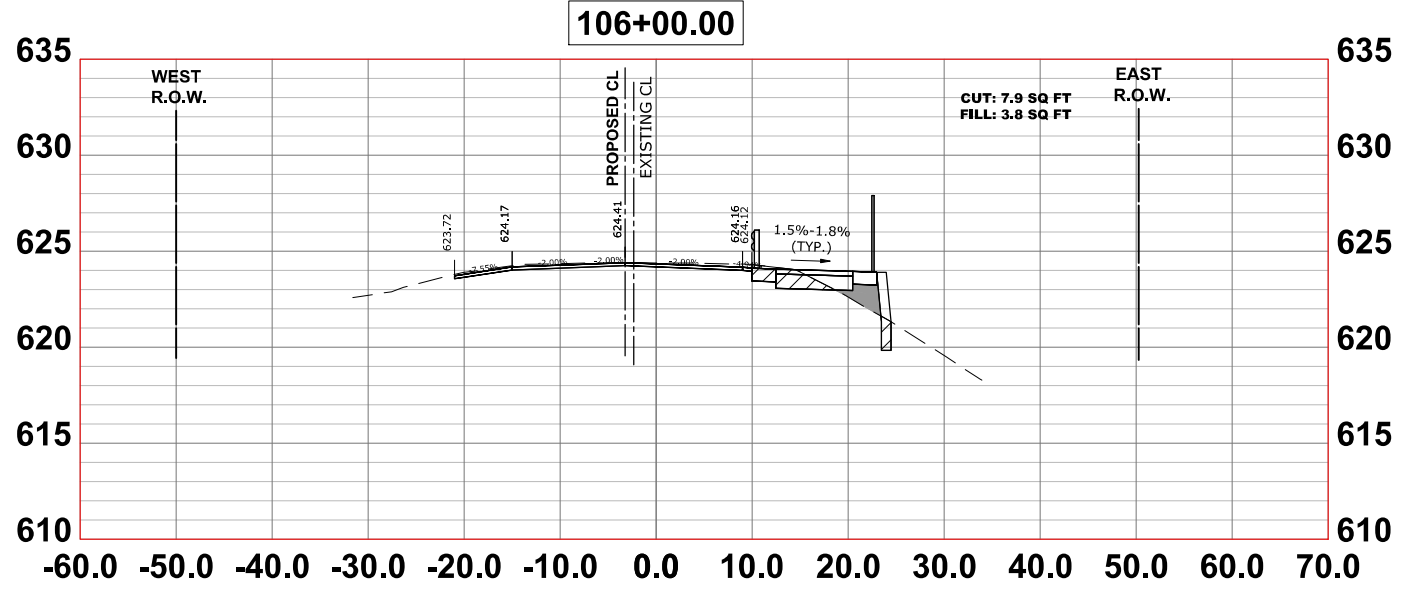
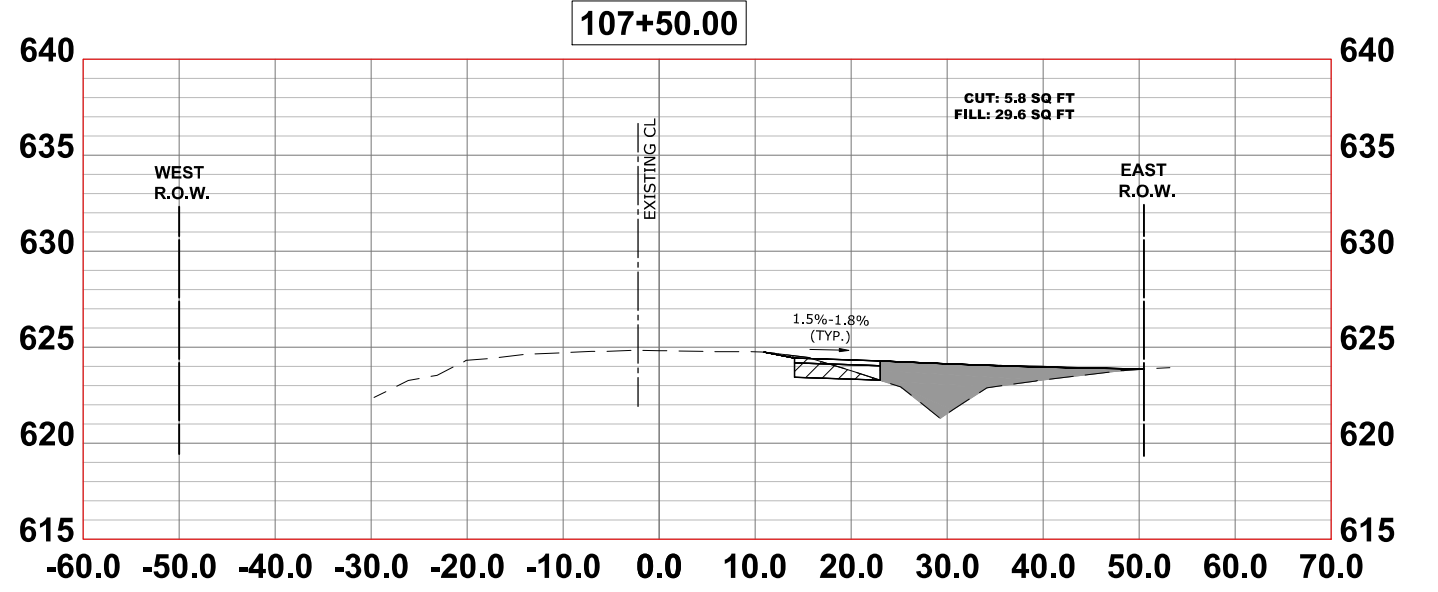
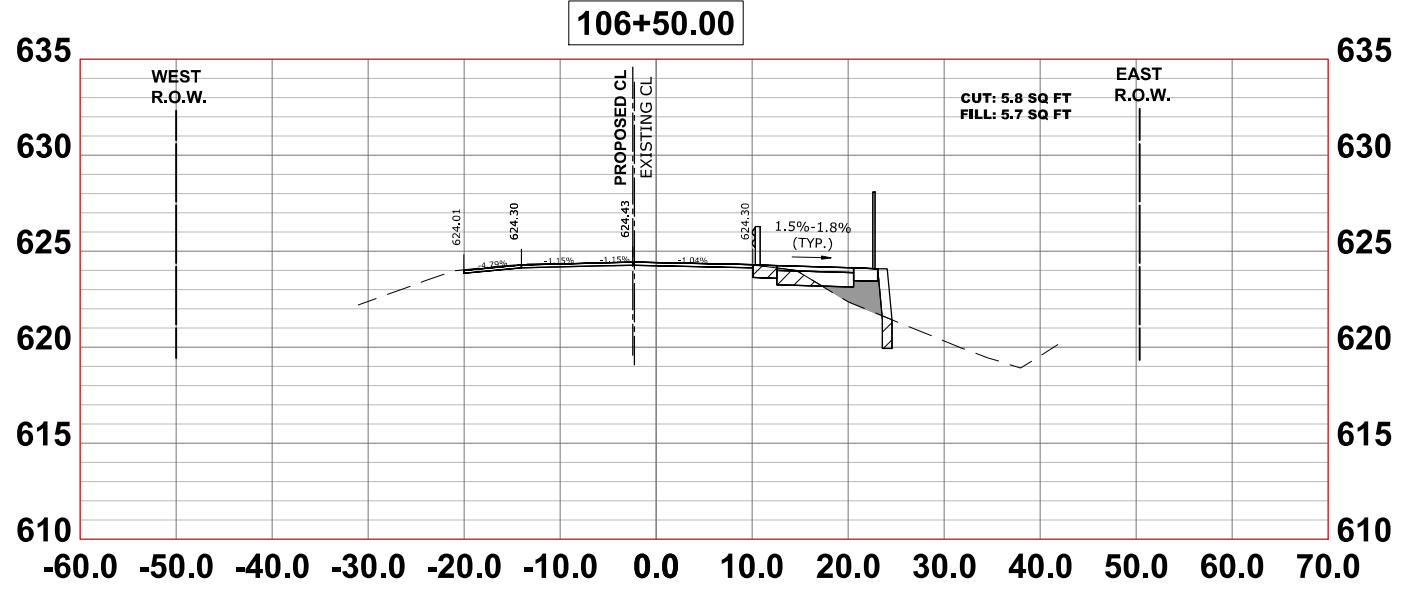
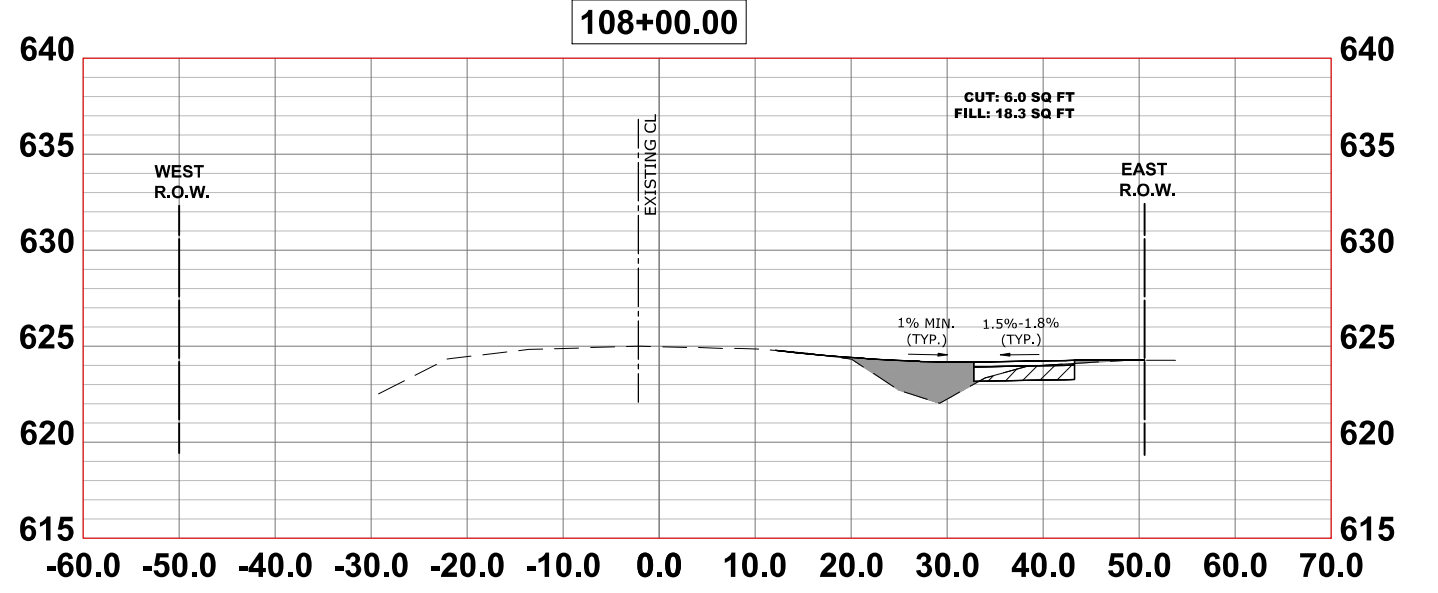
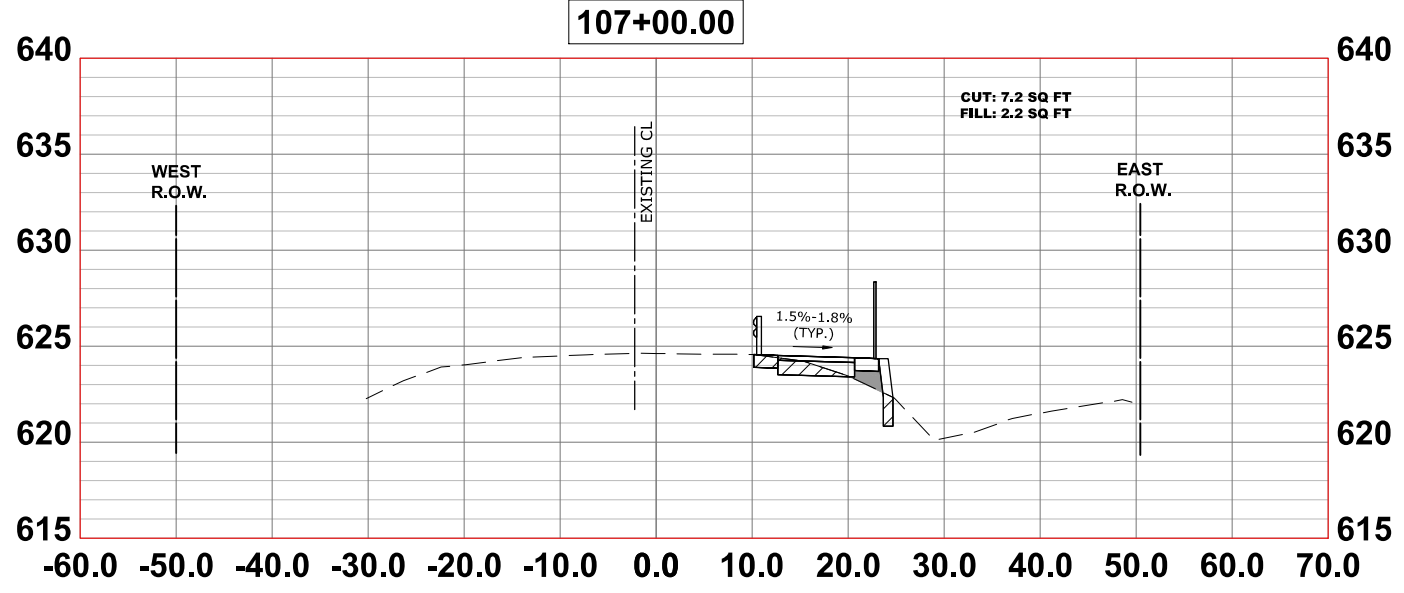
SCALE: H:1"=10', V:1"=5'    SHEET NO. 1 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	87
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K72	
FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shored-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9928 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

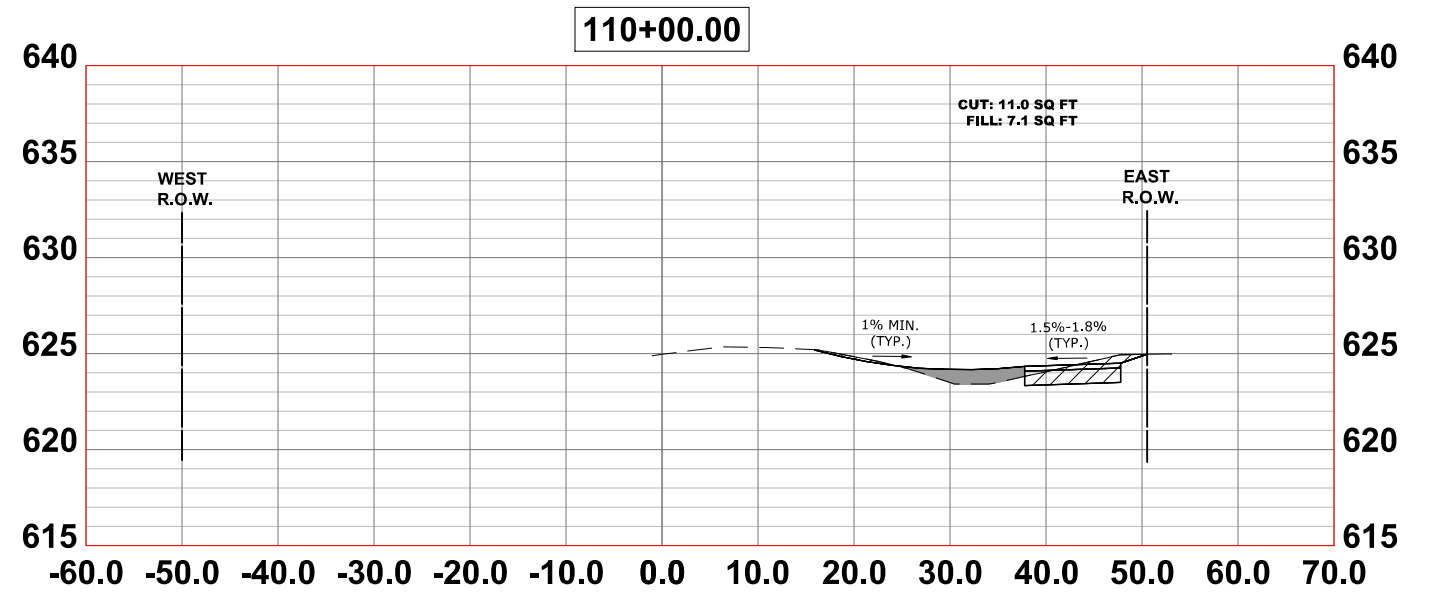
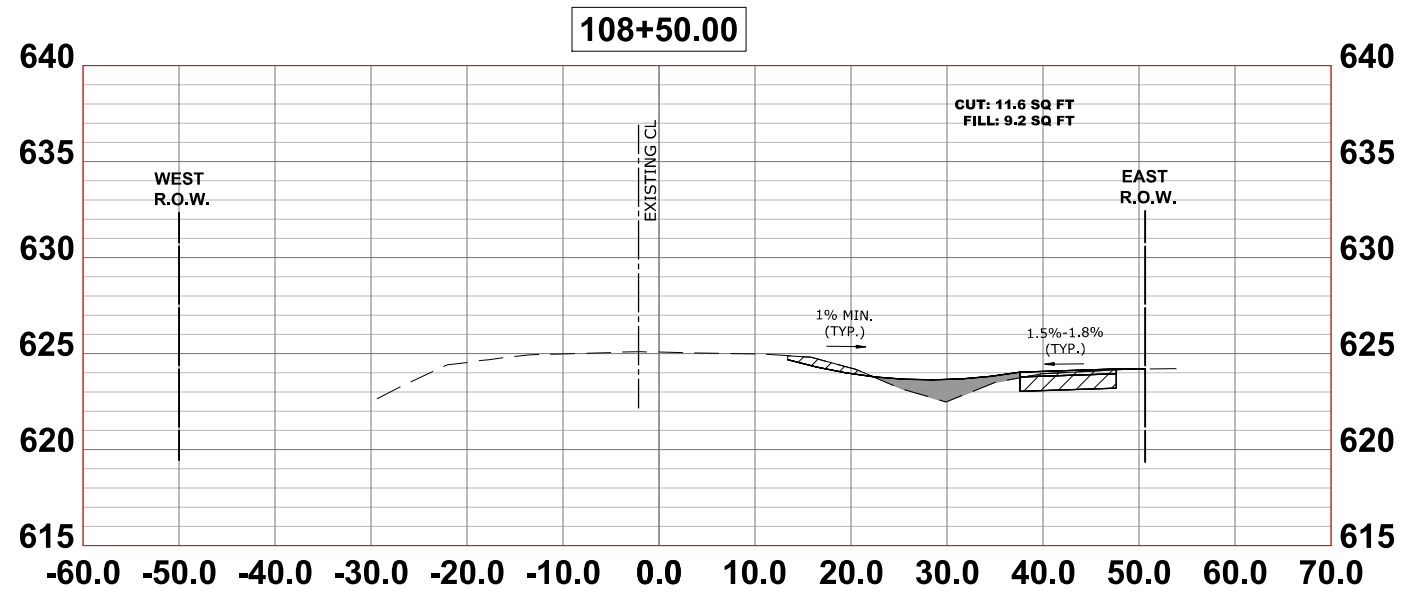
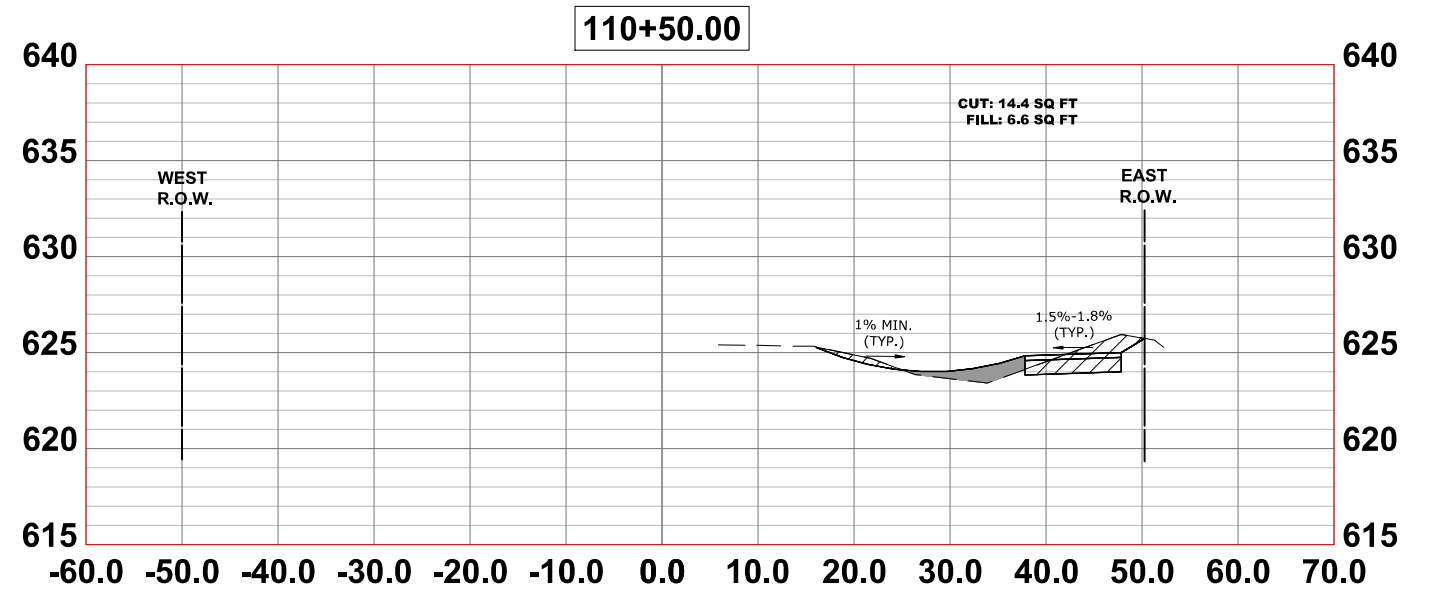
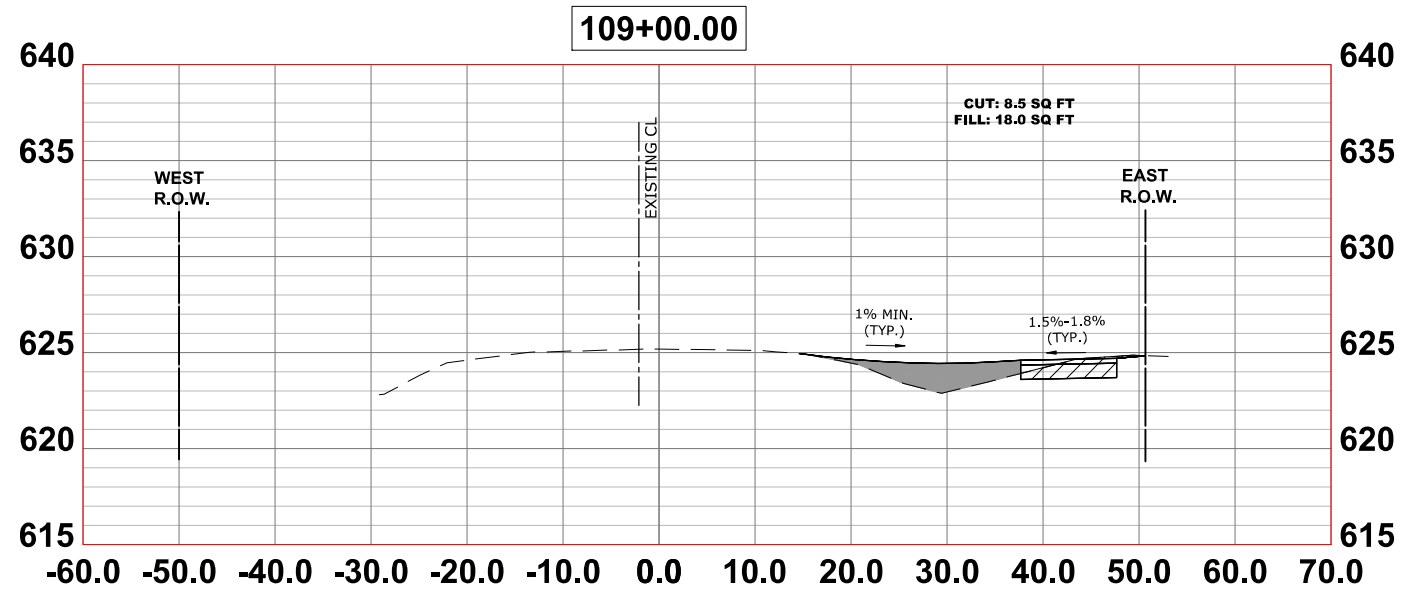
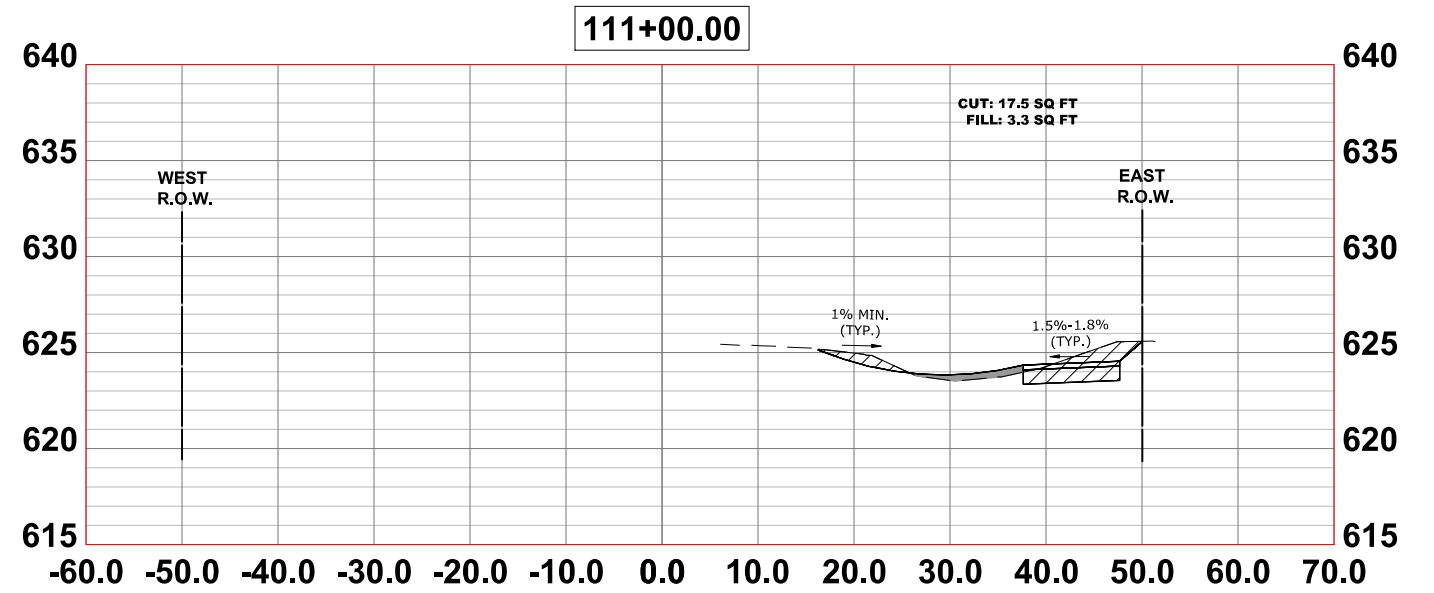
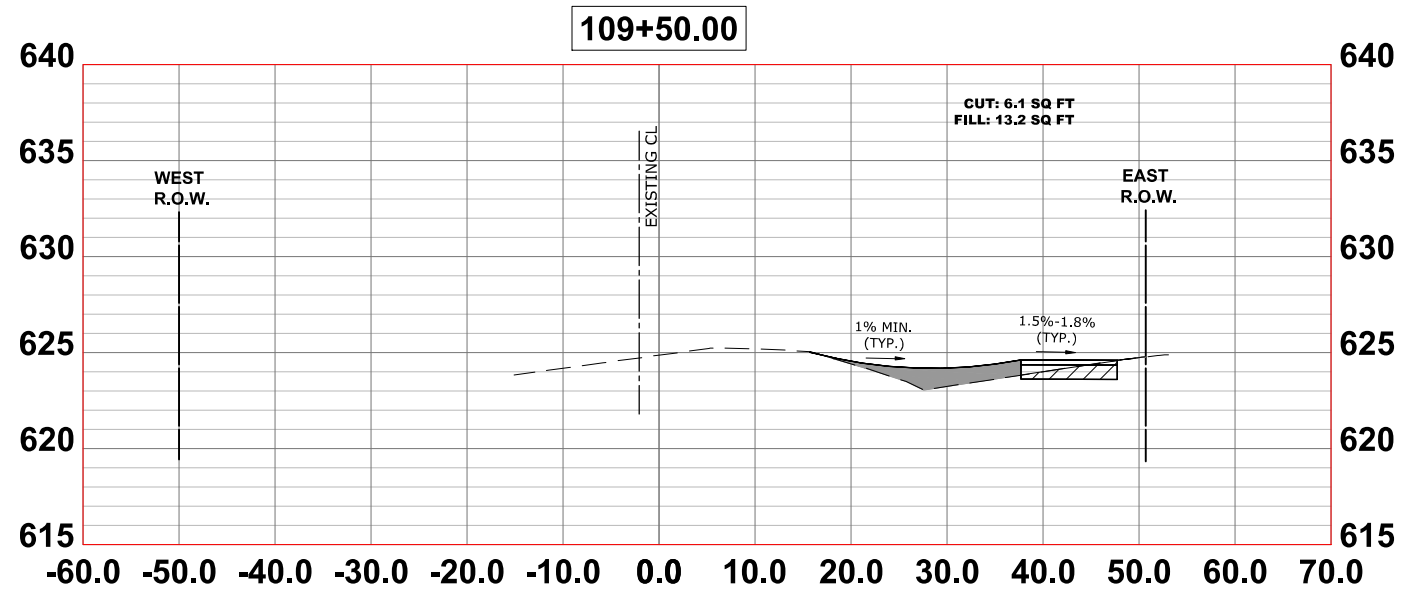
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 2 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	88
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



**HANCOCK ENGINEERING**  
100+ Years of Excellence

- Civil Engineers
- Municipal Consultants
- Established 1911

9938 Roosevelt Road  
Weechester, IL 60184-2780  
Phone: 708-845-0300  
www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

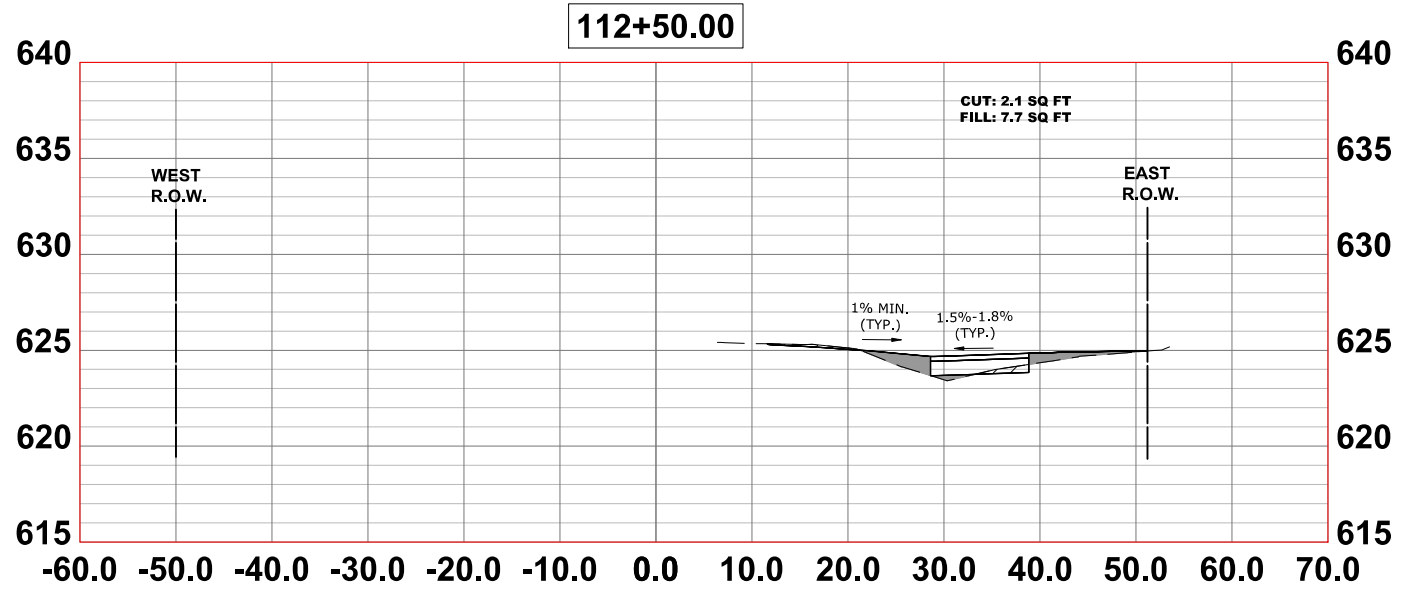
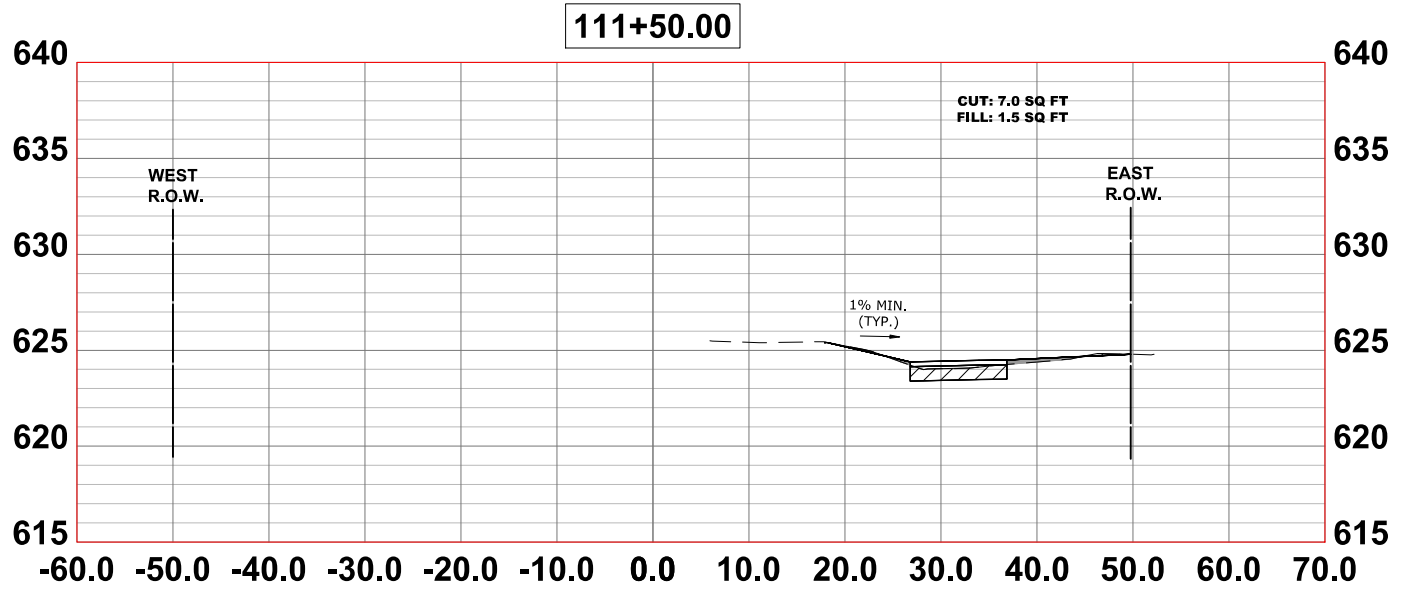
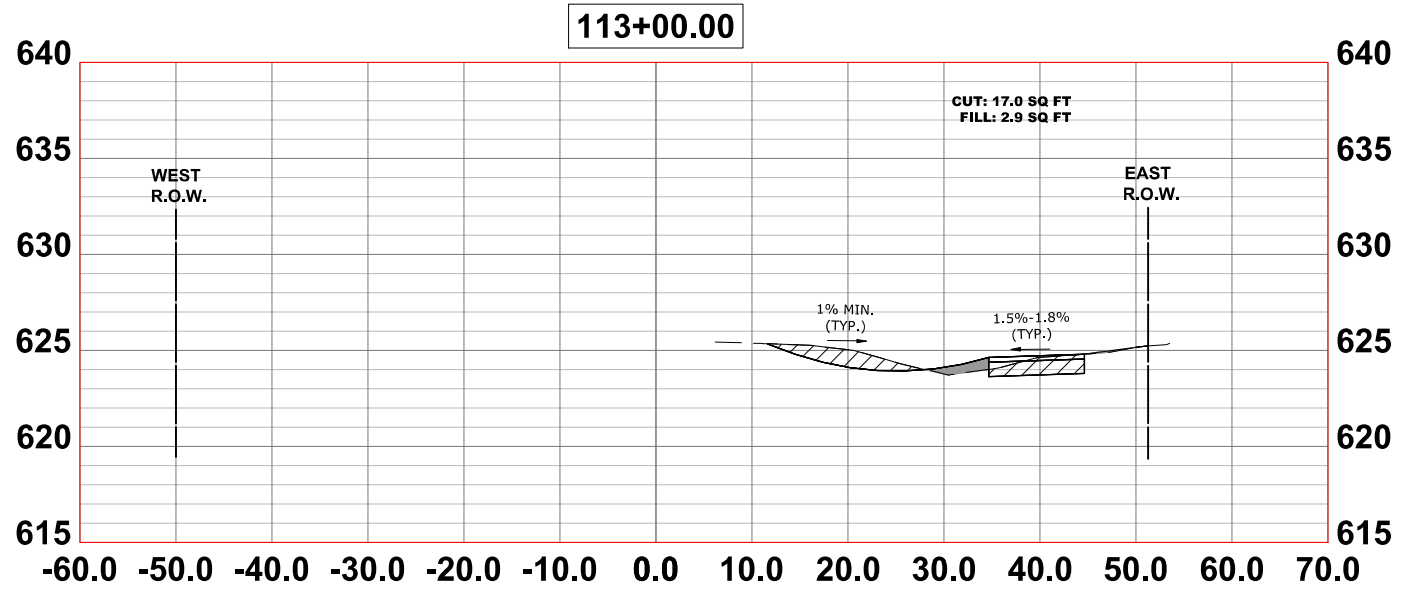
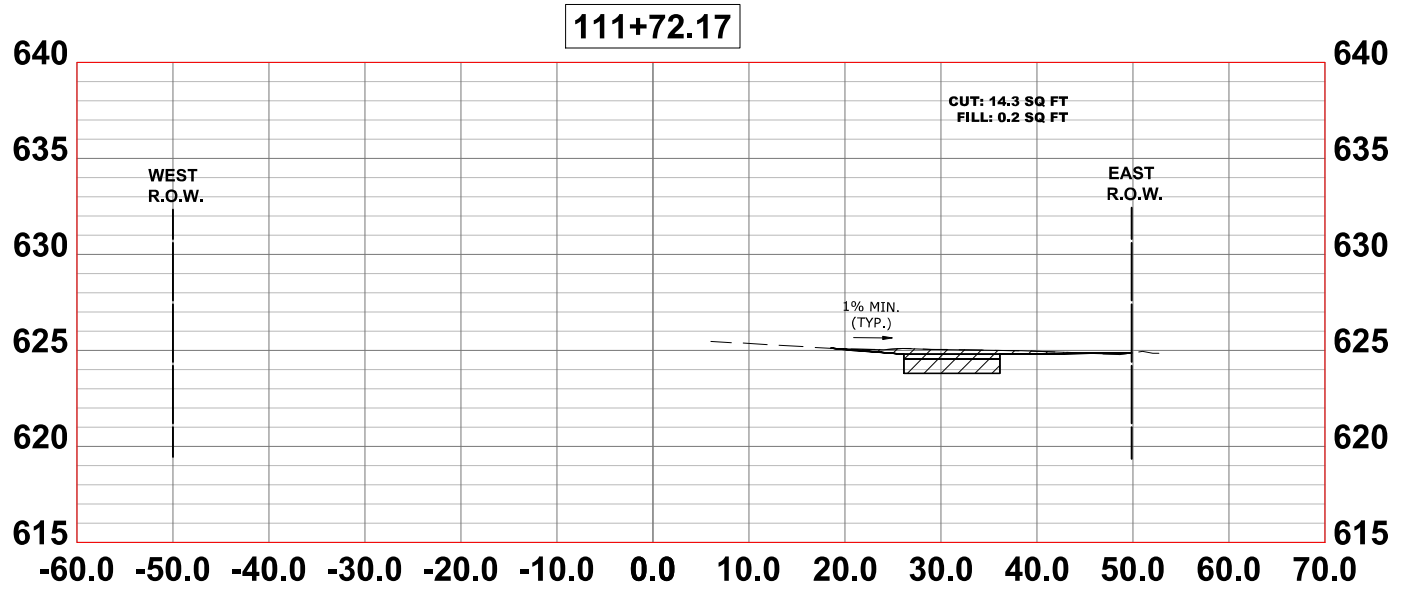
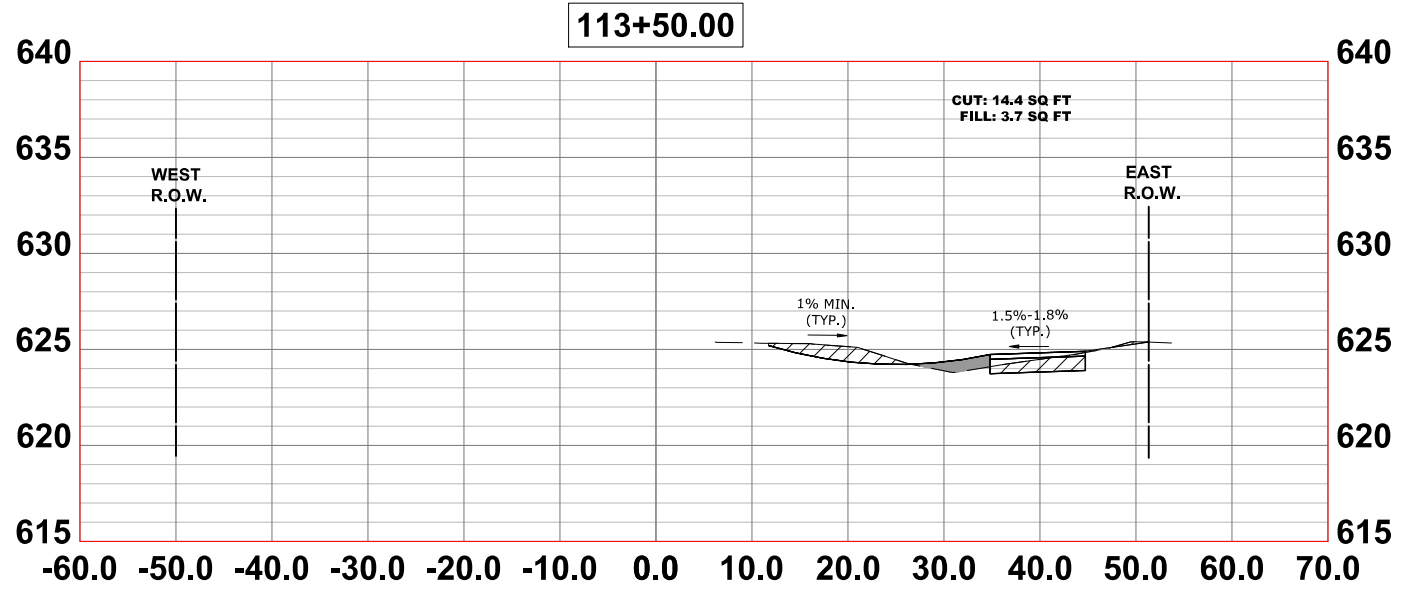
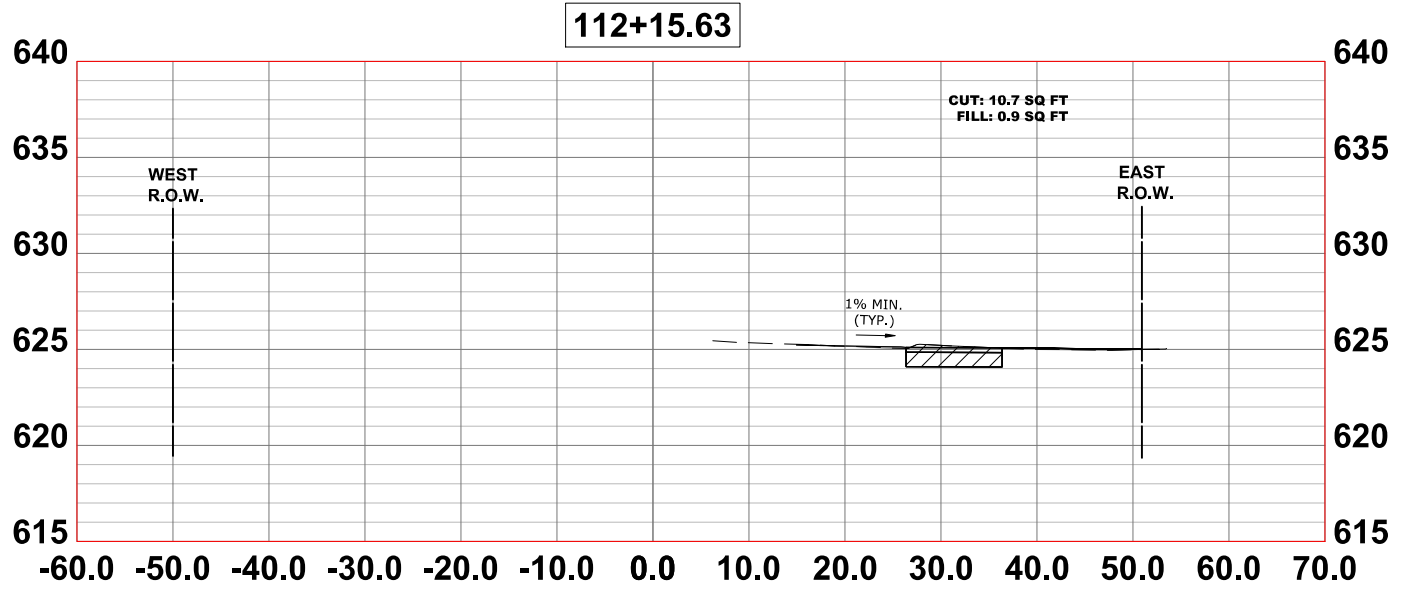
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5' SHEET NO. 3 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	89
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



**HANCOCK ENGINEERING**  
Civil Engineers  
Municipal Consultants  
Established 1911

9938 Roosevelt Road  
Weichester, IL 60184-2780  
Phone: 708-845-0300  
www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

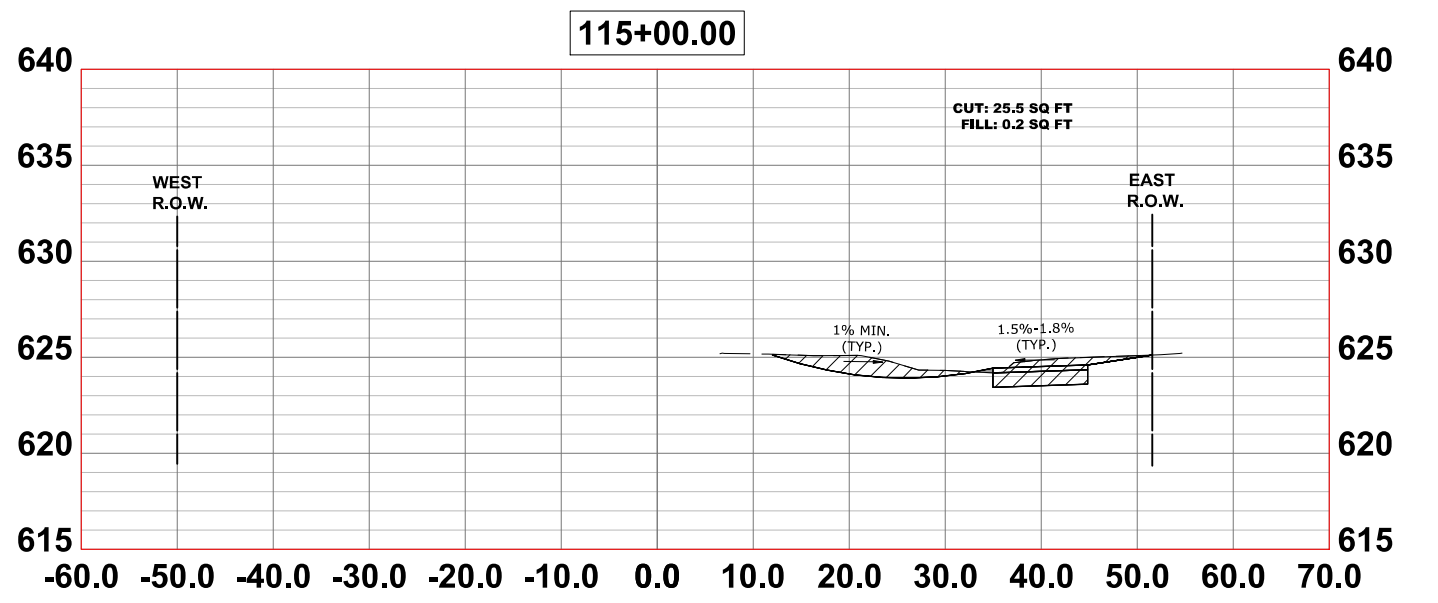
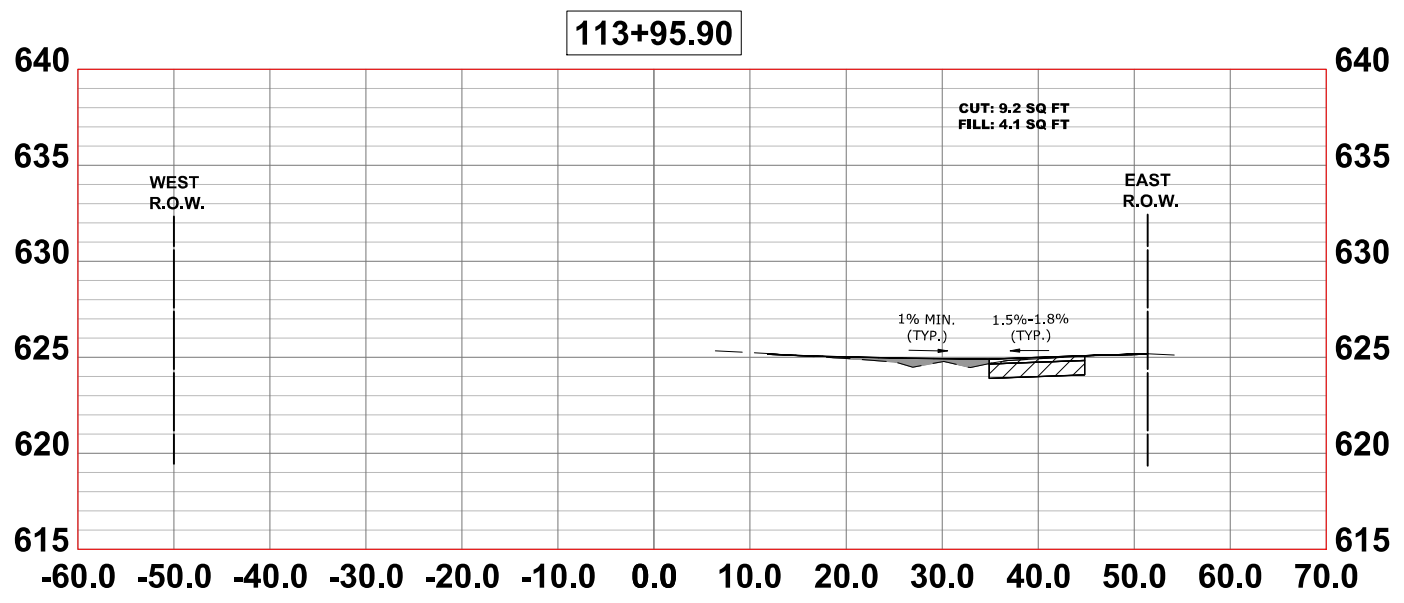
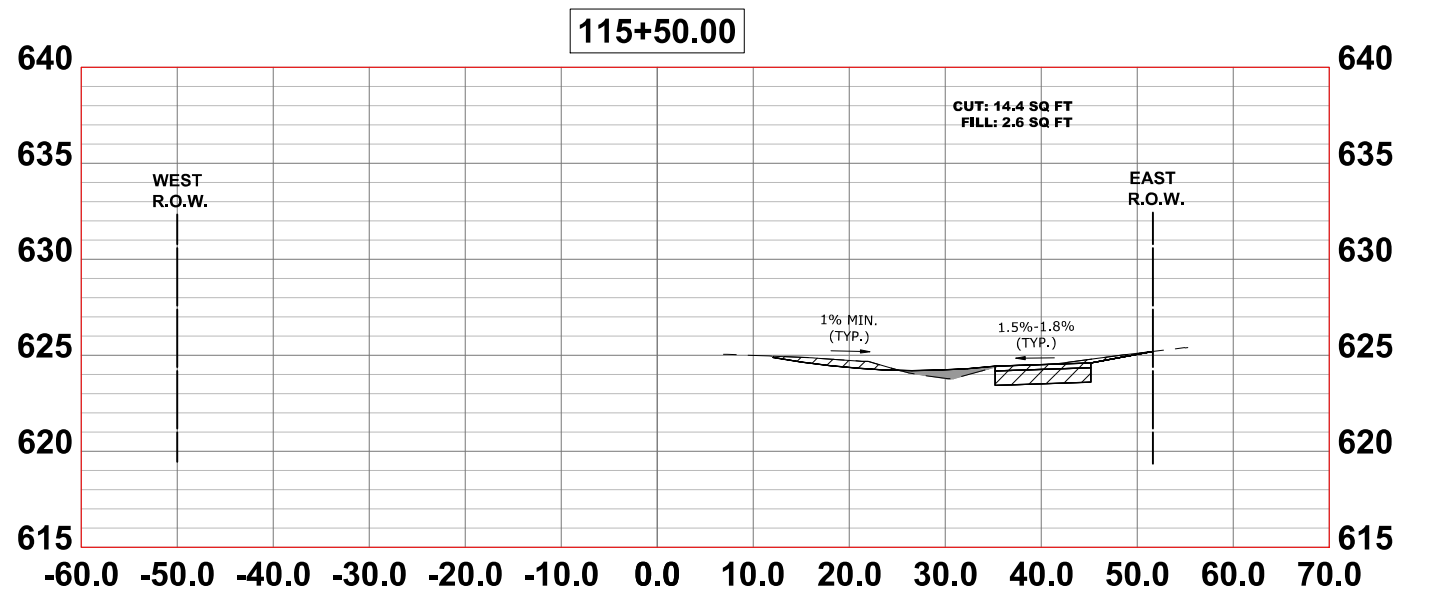
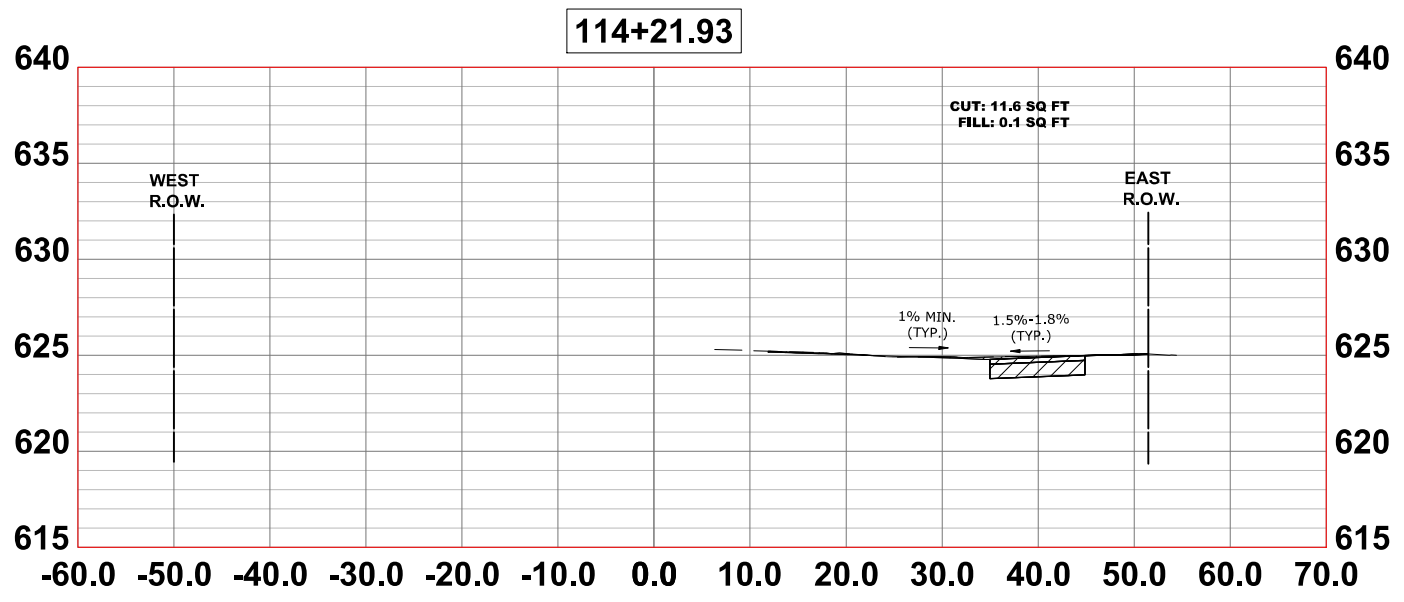
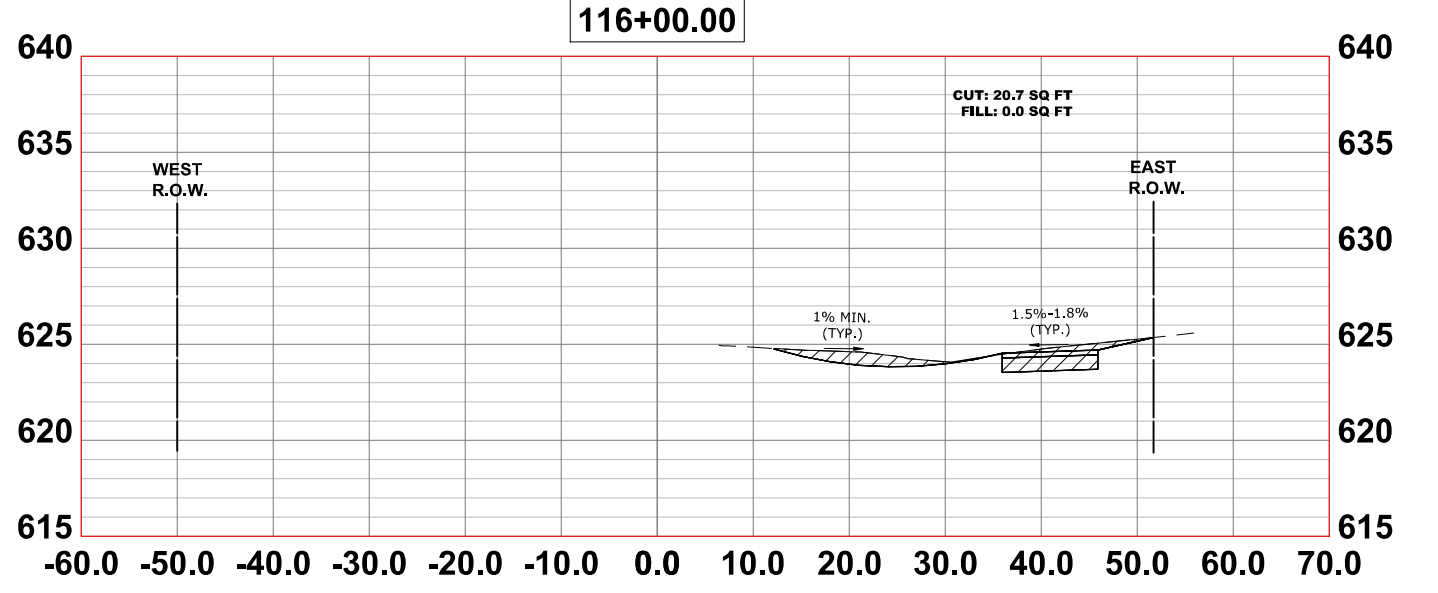
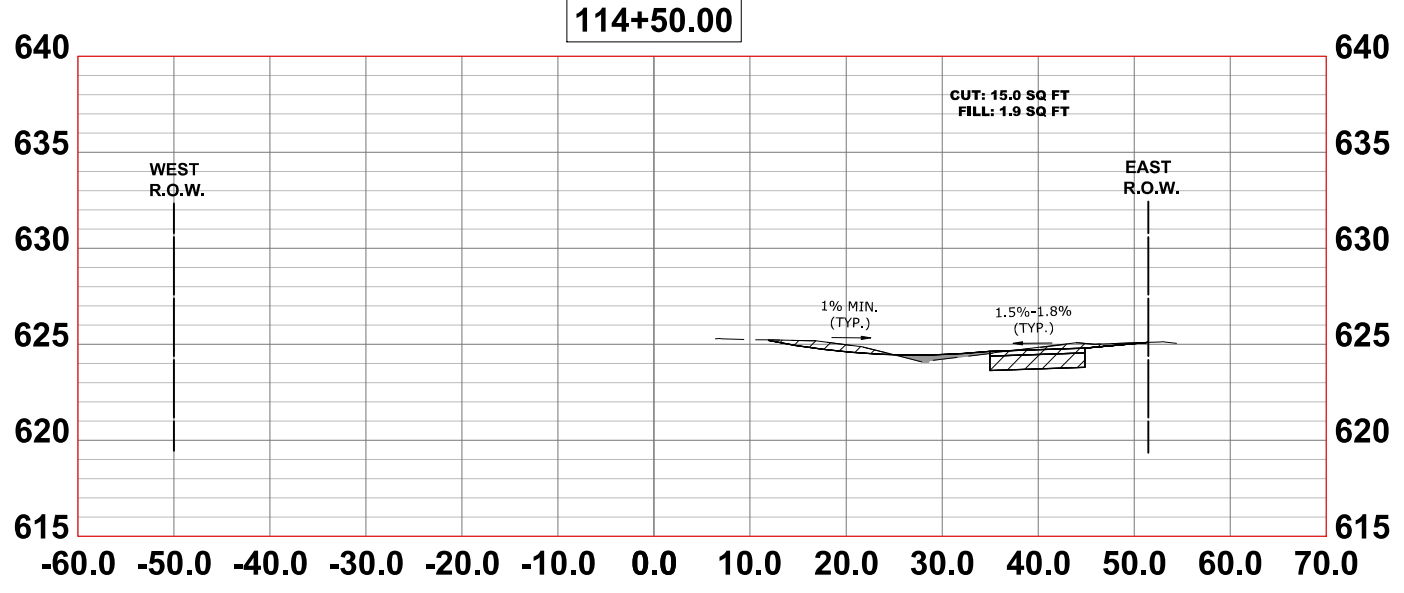
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5' SHEET NO. 4 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	90
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



9938 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

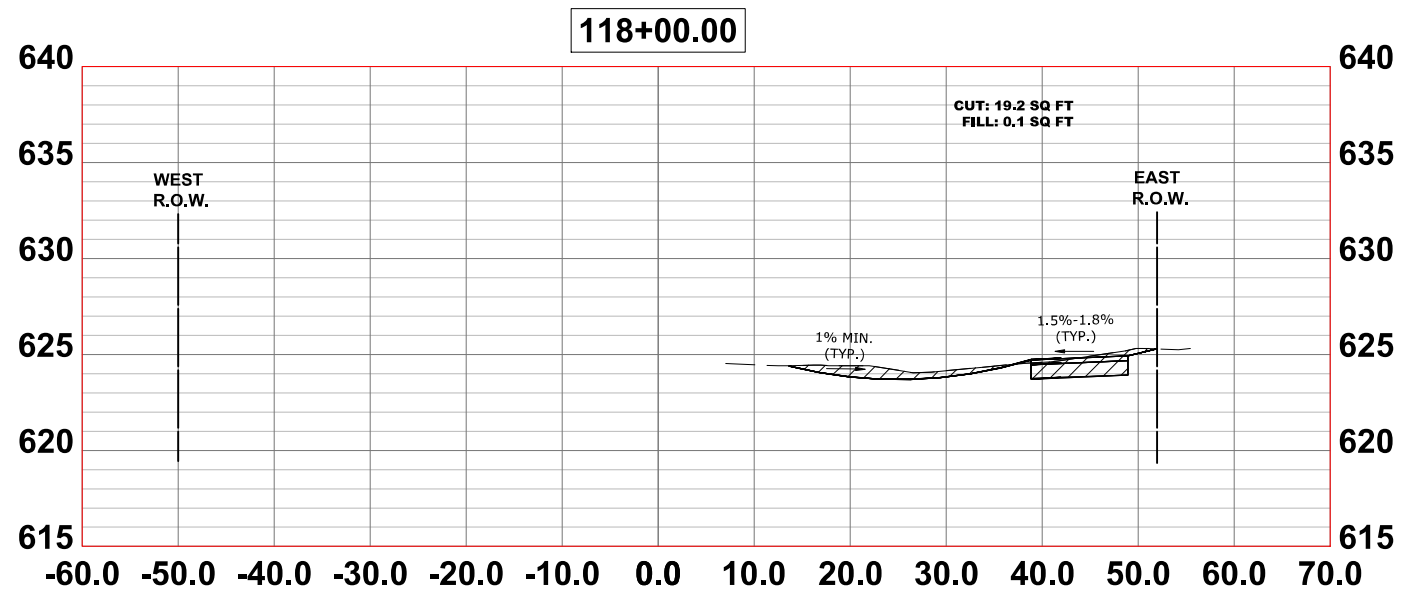
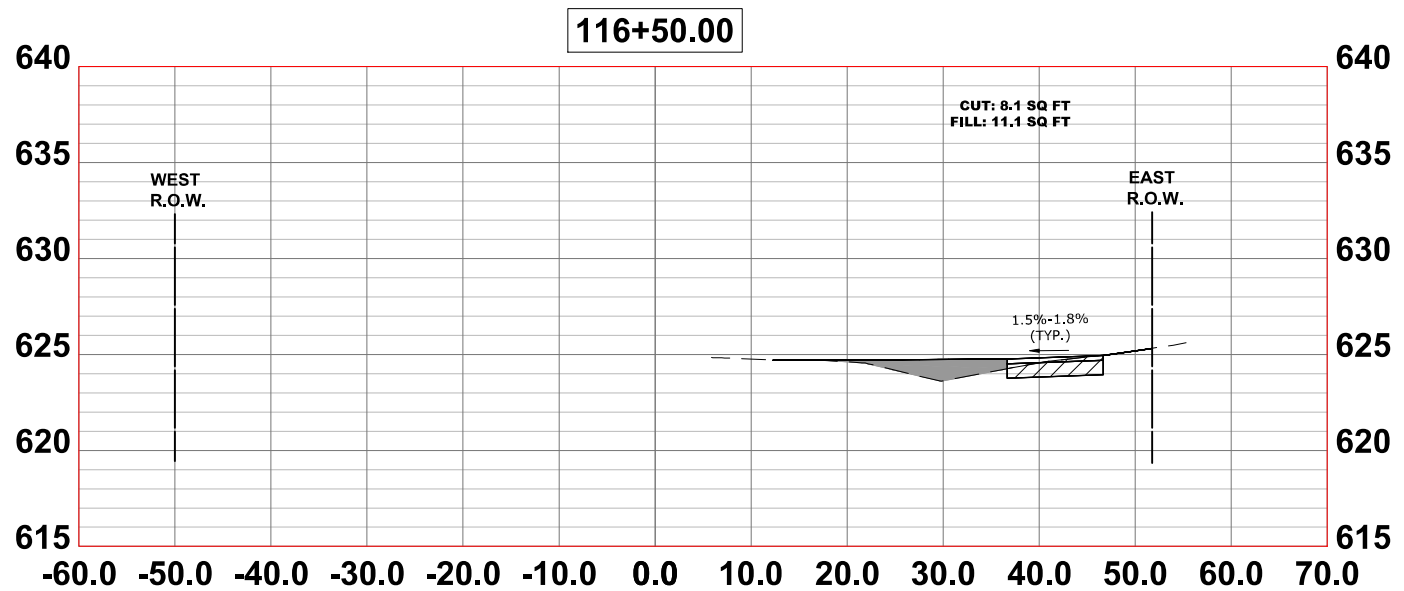
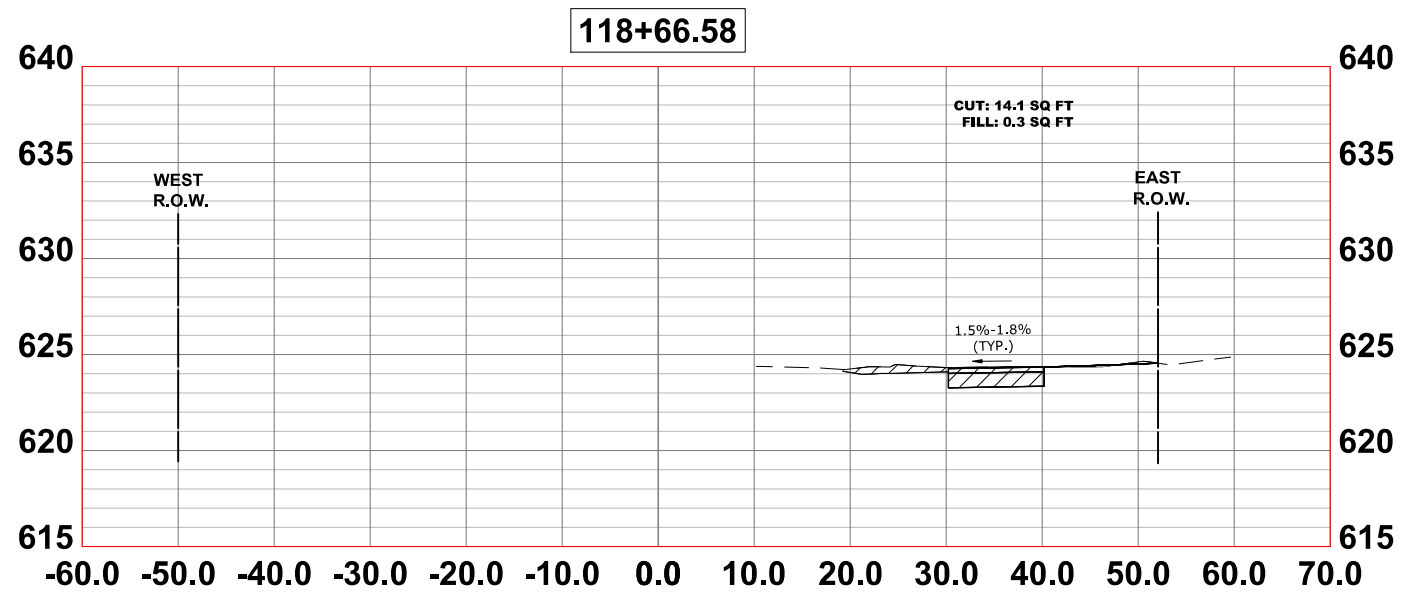
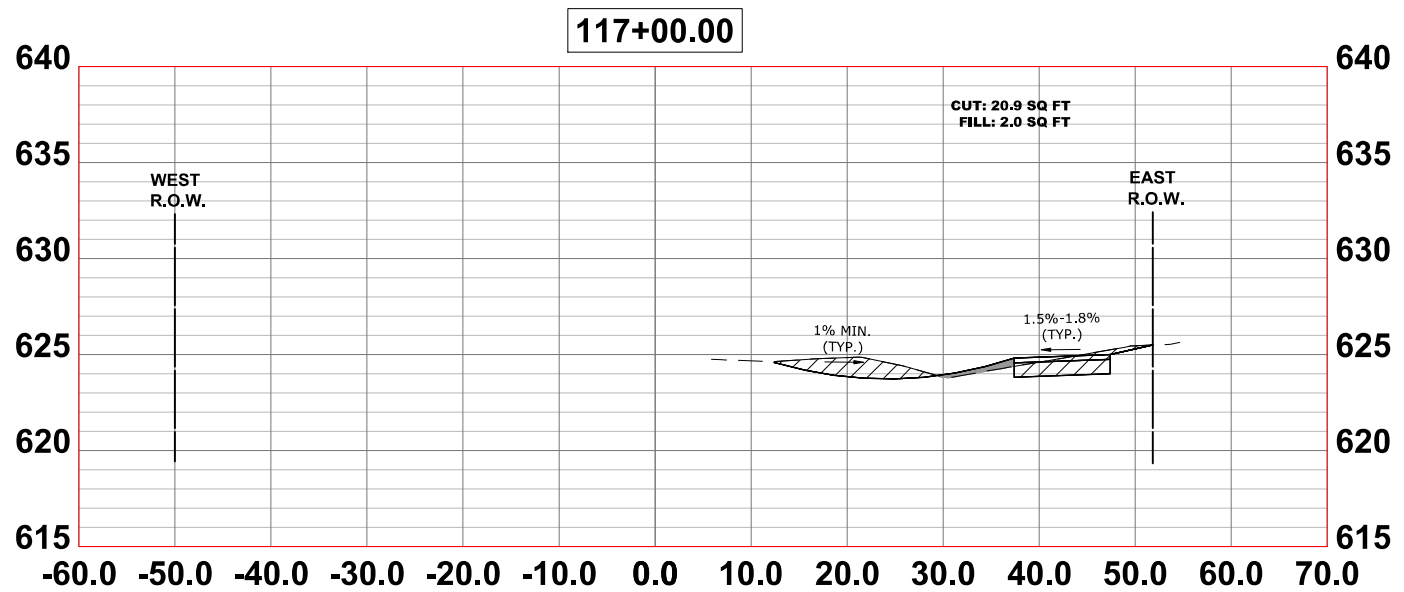
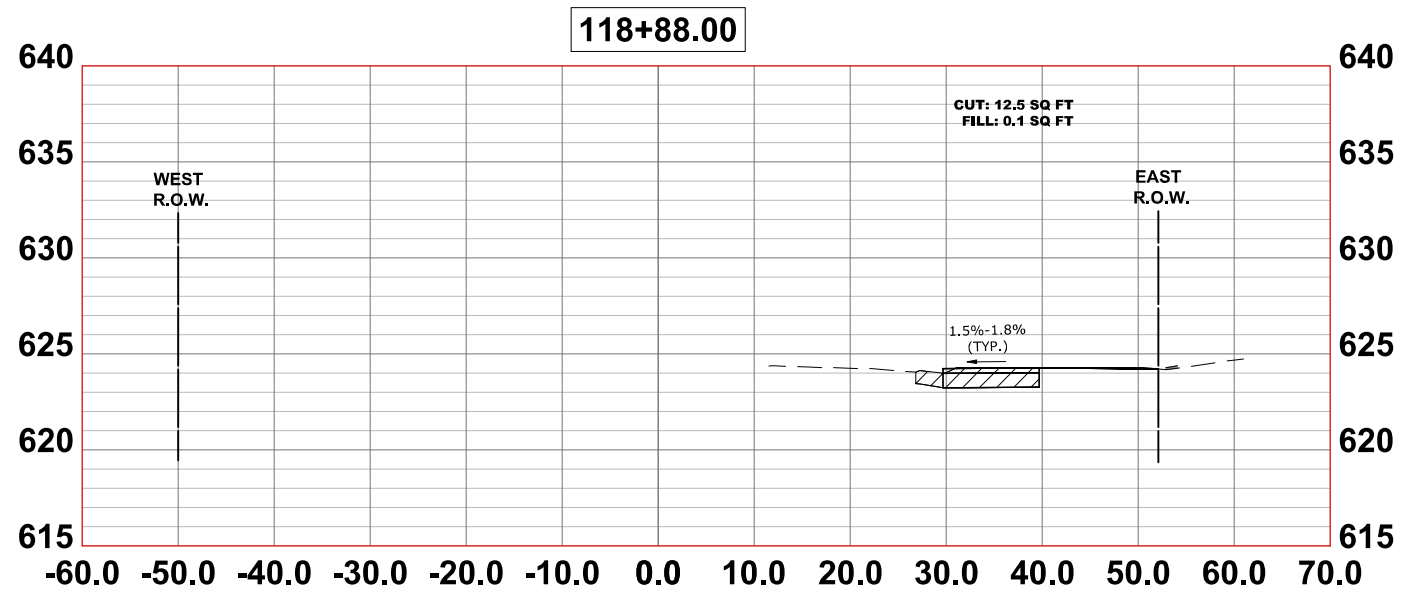
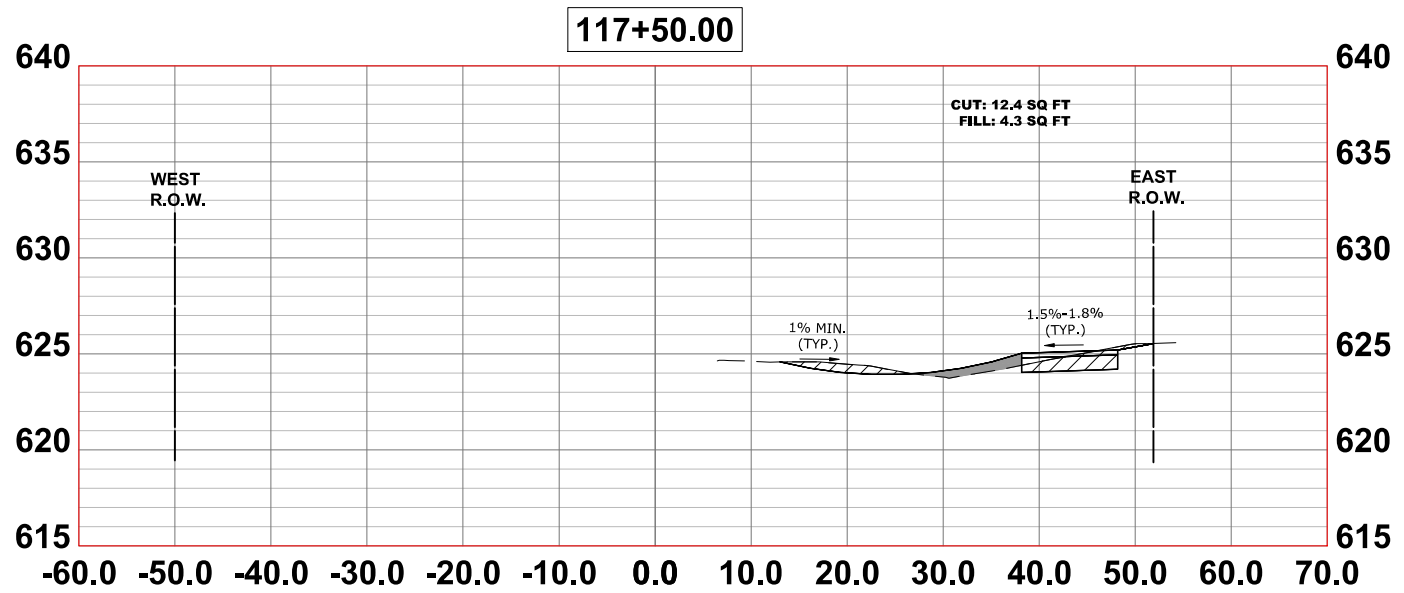
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 5 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	91
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_illinois\brockview\12023266 - 25th avenue shored-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



**HANCOCK ENGINEERING**  
 10th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

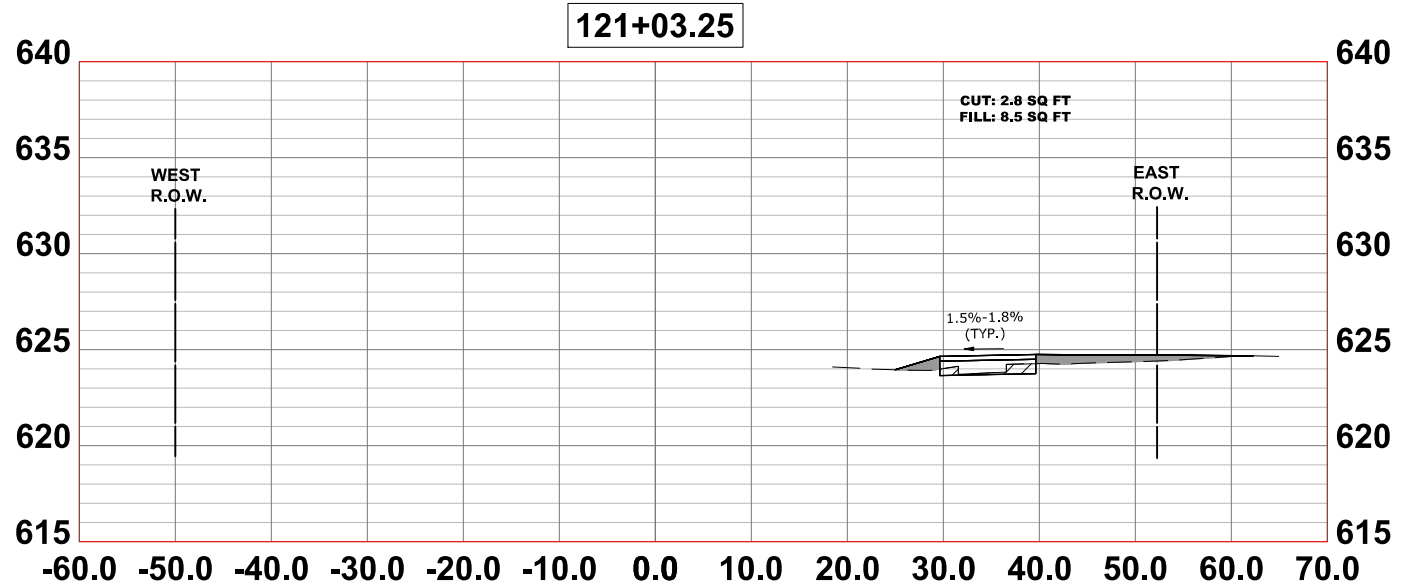
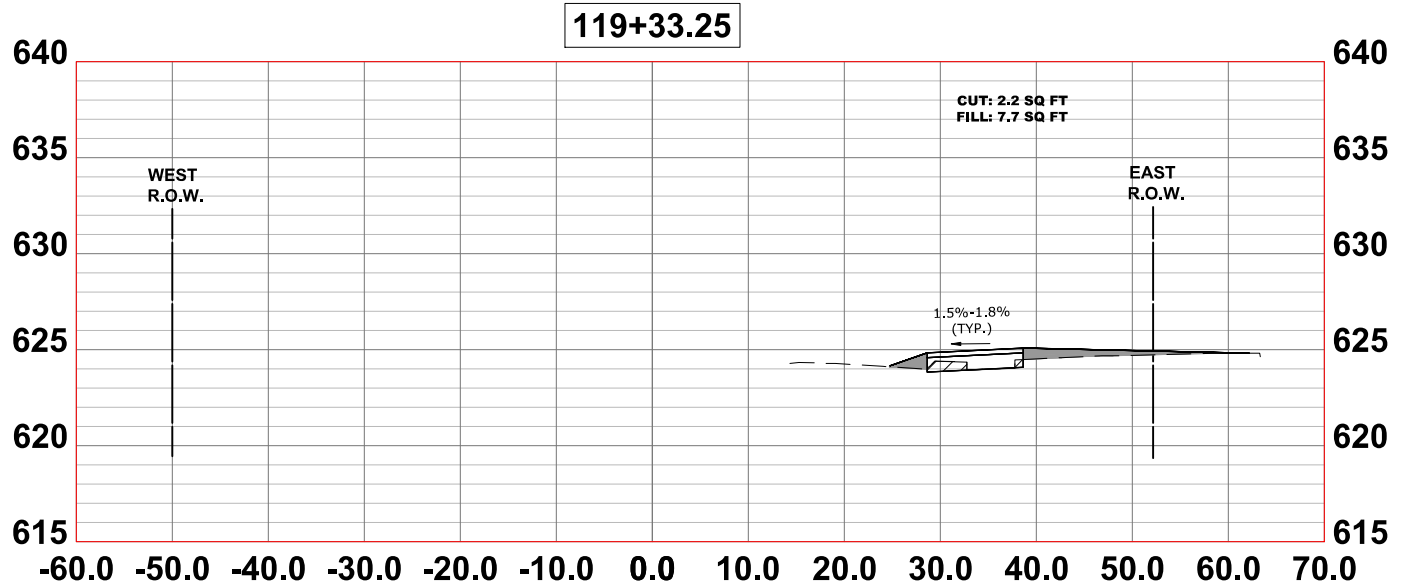
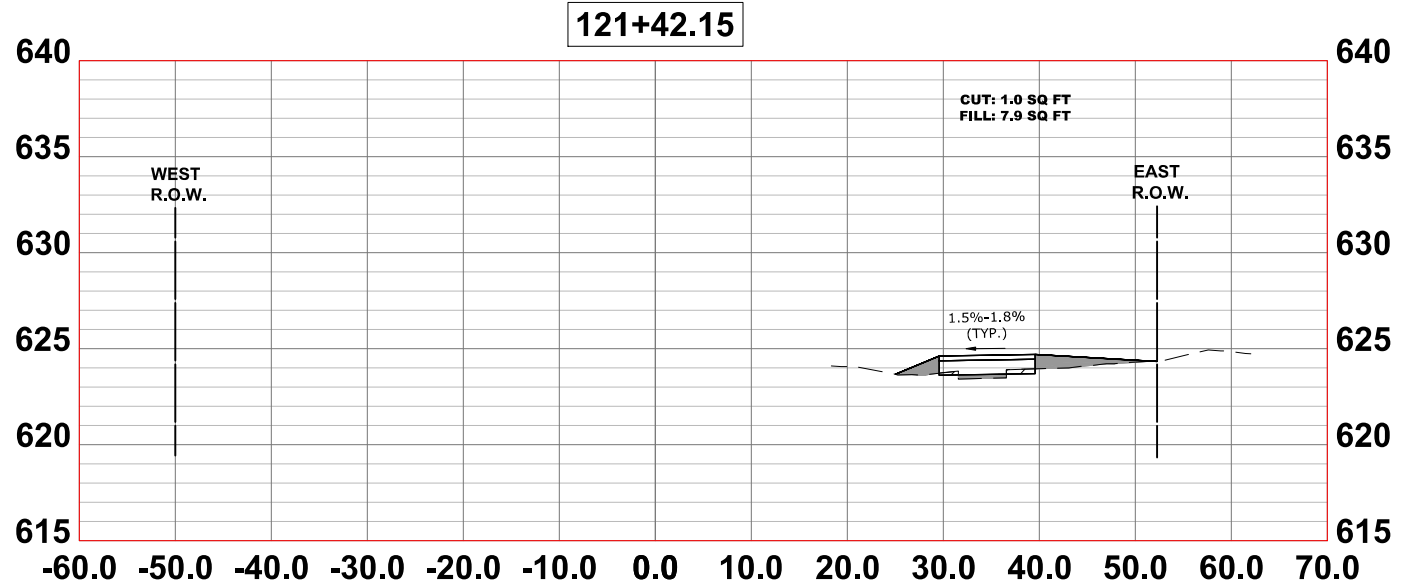
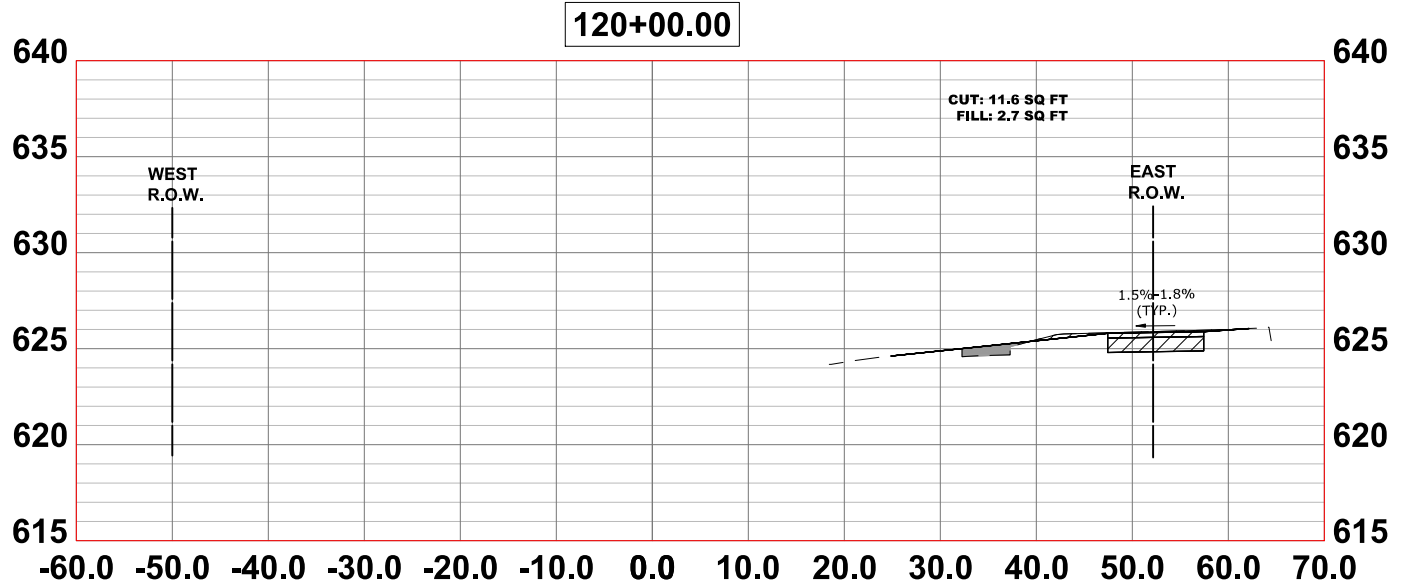
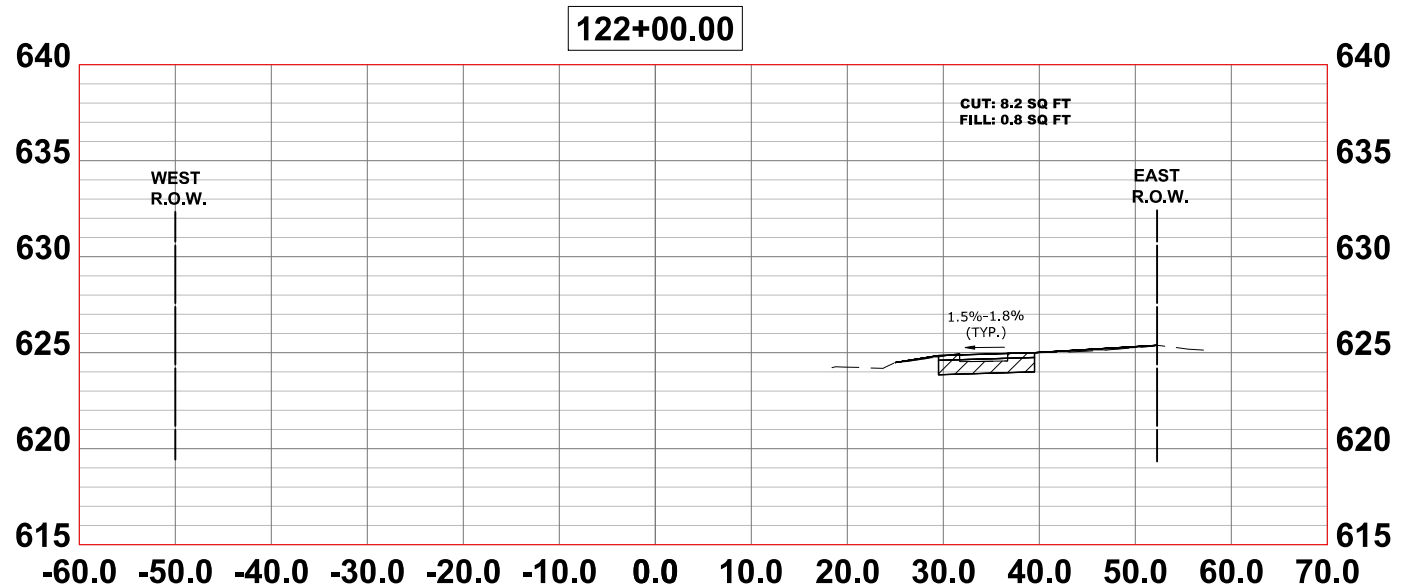
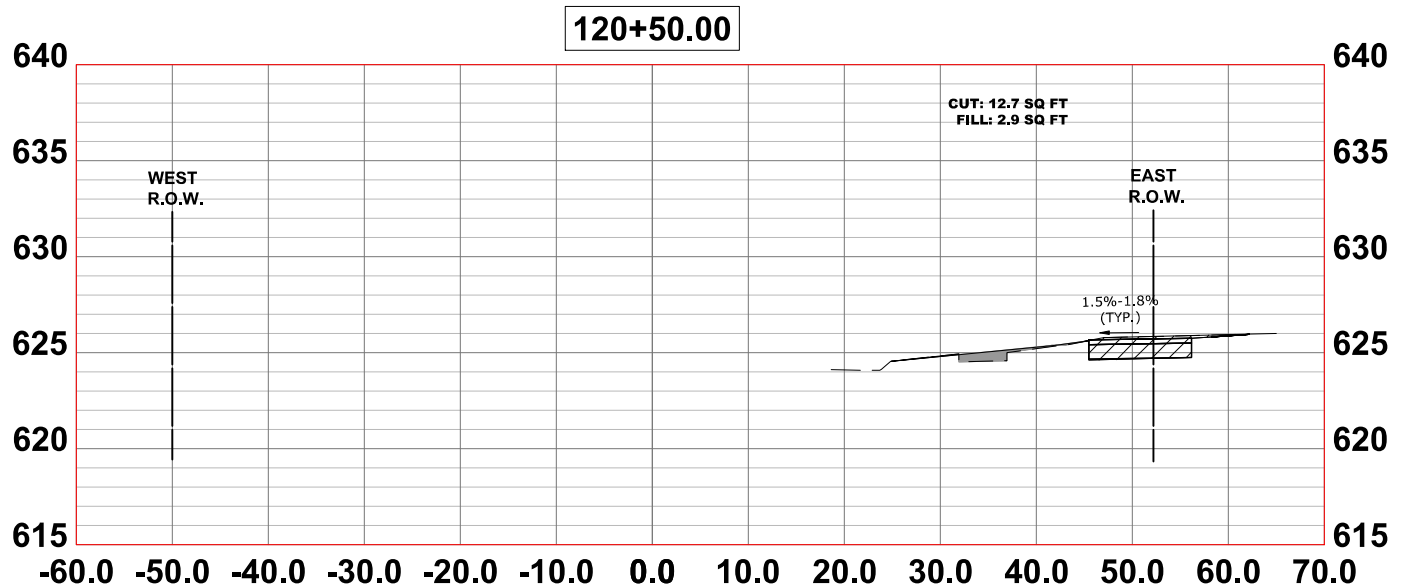
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: H:1"=10', V:1"=5' | SHEET NO. 6 OF 16 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	92
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 61K72	

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



**HANCOCK ENGINEERING**  
 11th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

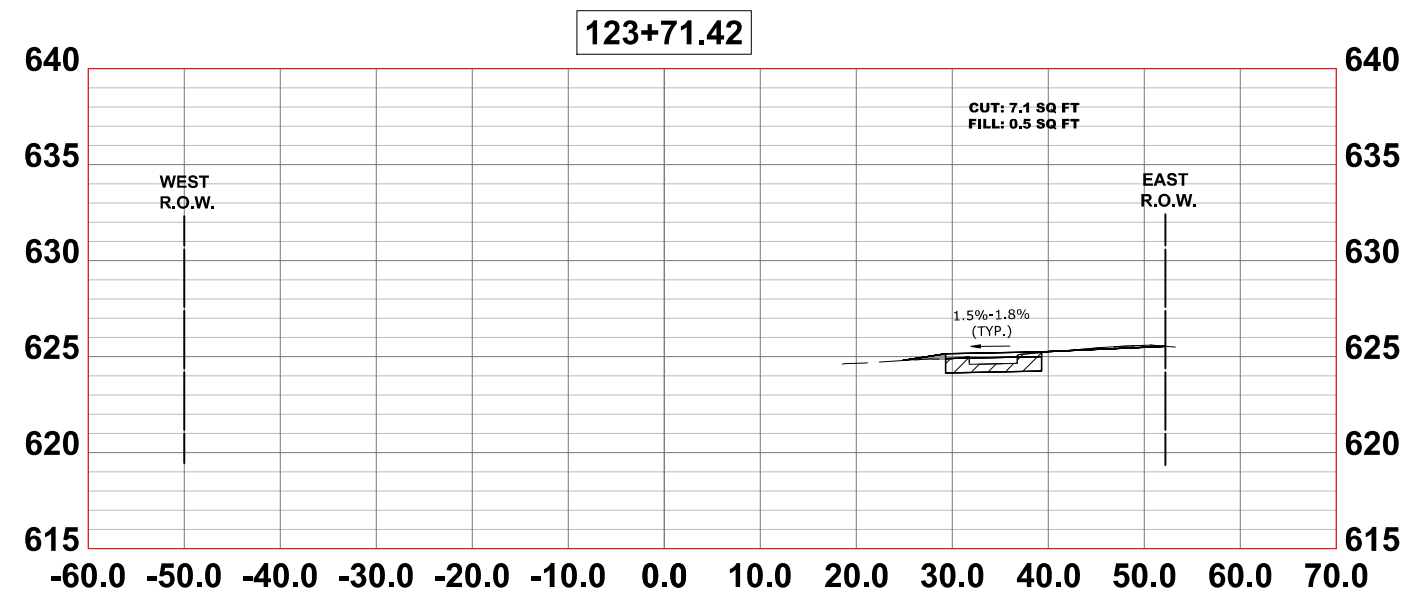
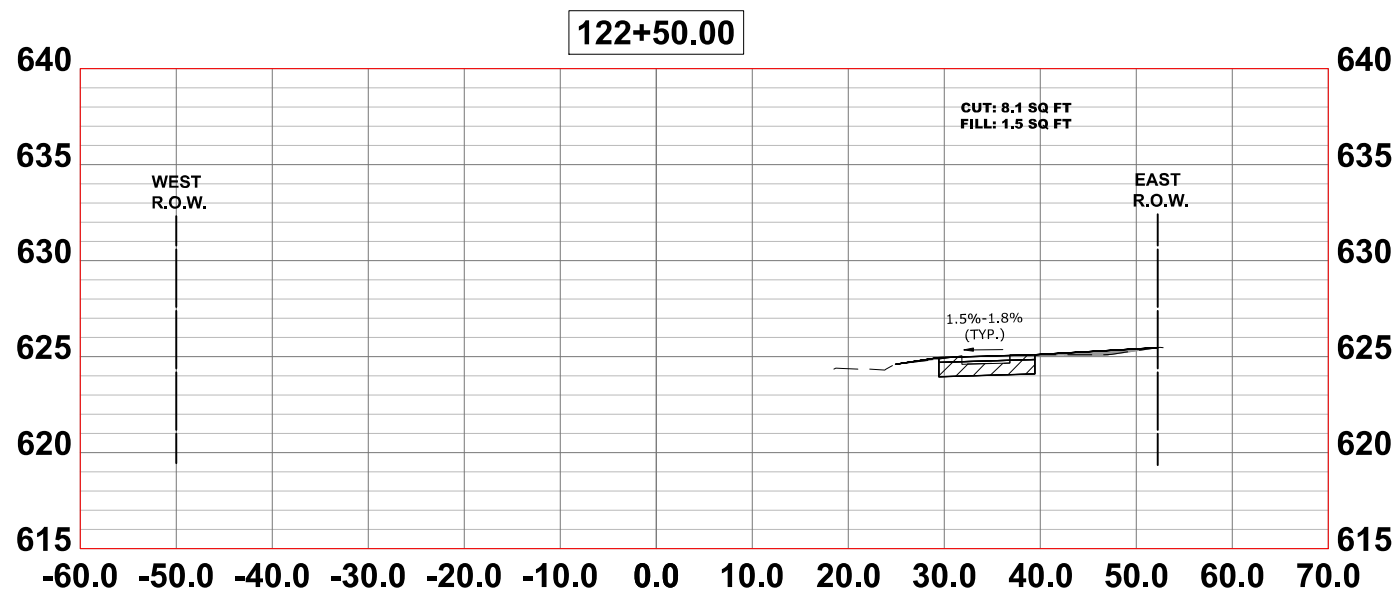
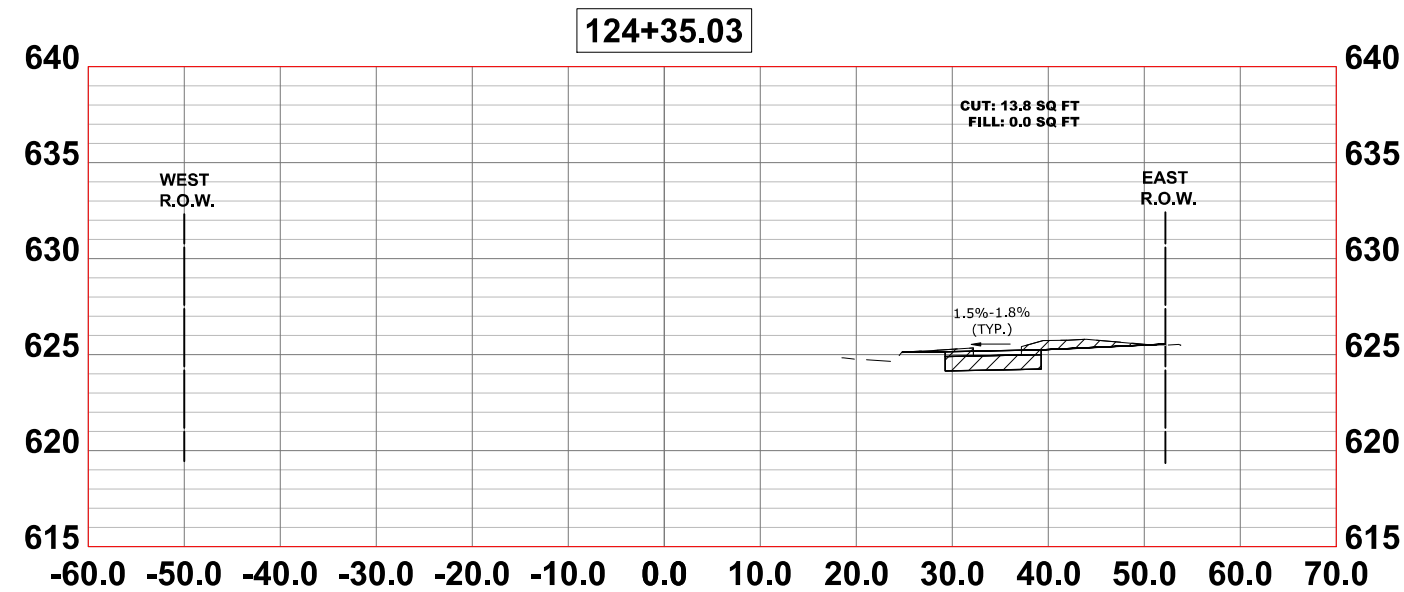
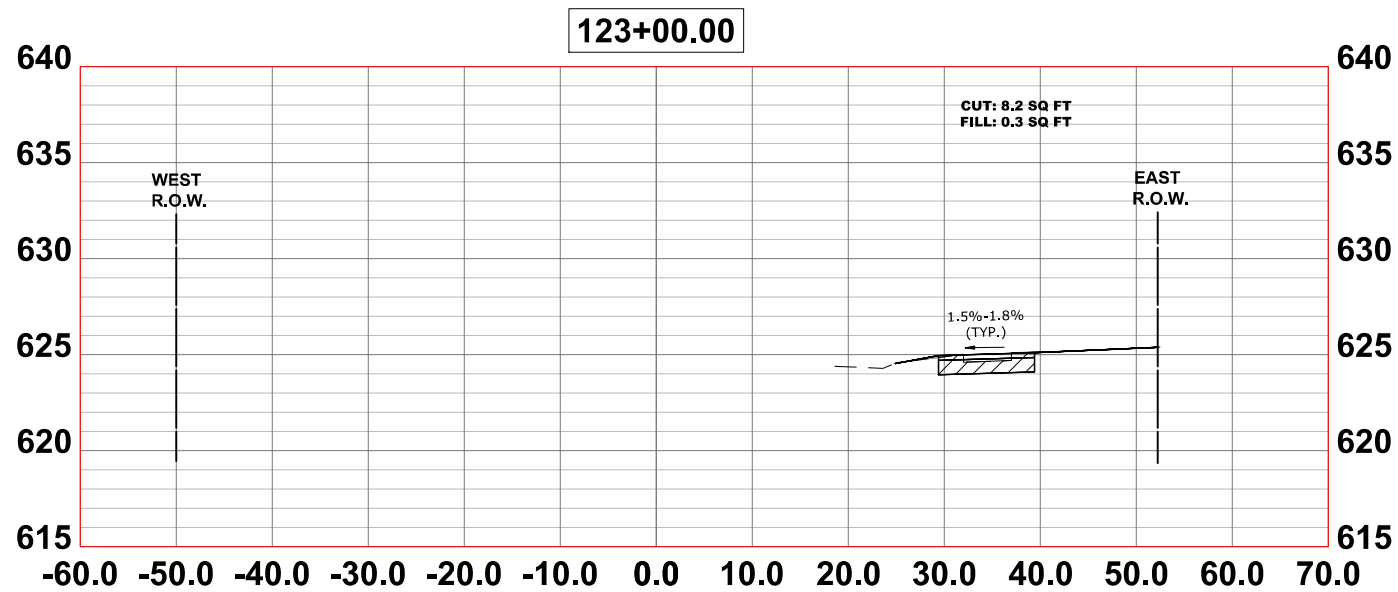
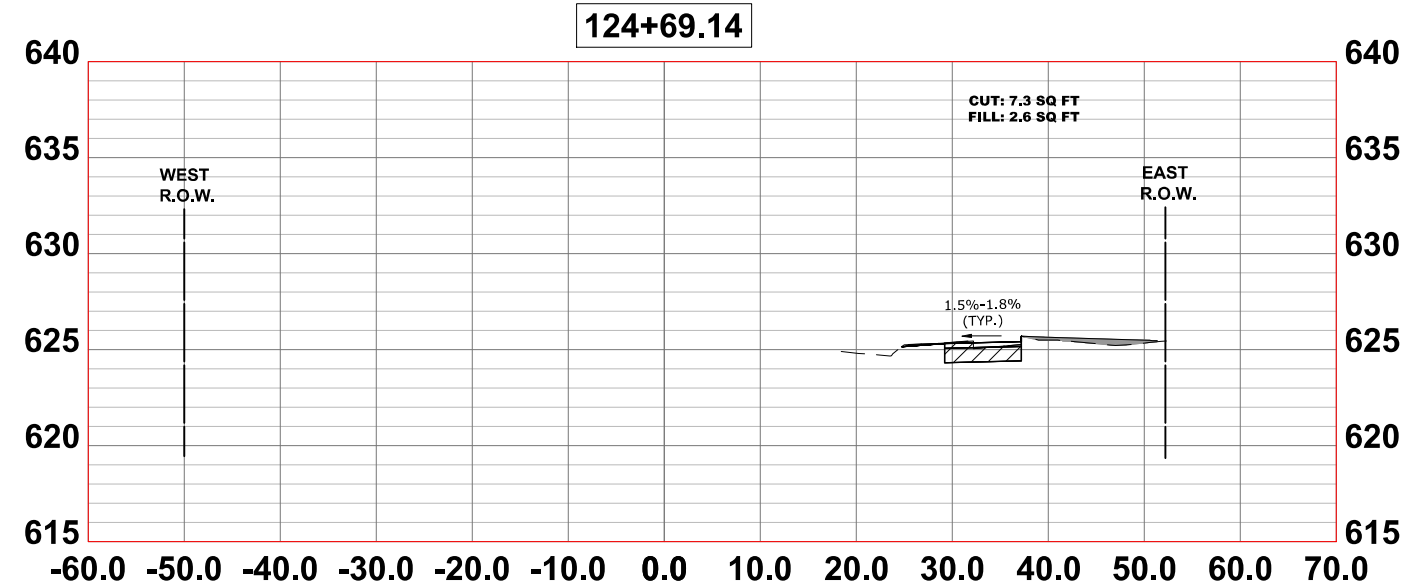
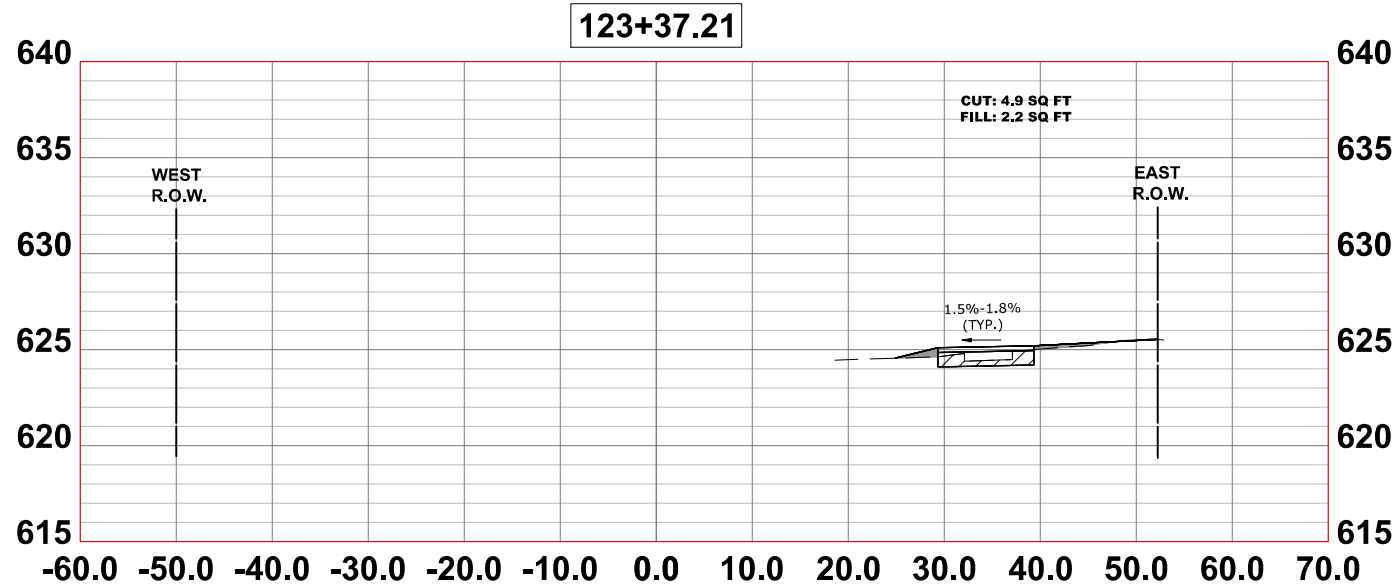
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 7 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	93
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023268 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:09pm



9933 Roosevelt Road  
Westchester, IL 60154-2780  
Phone: 708-845-0300  
www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

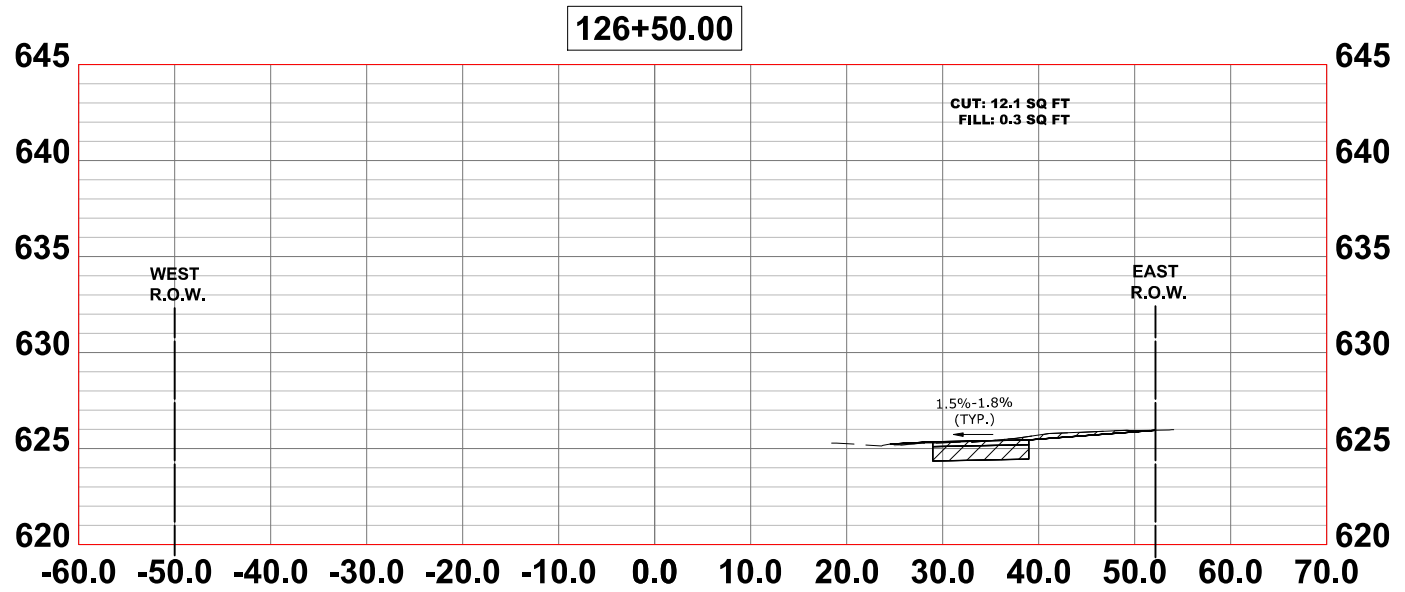
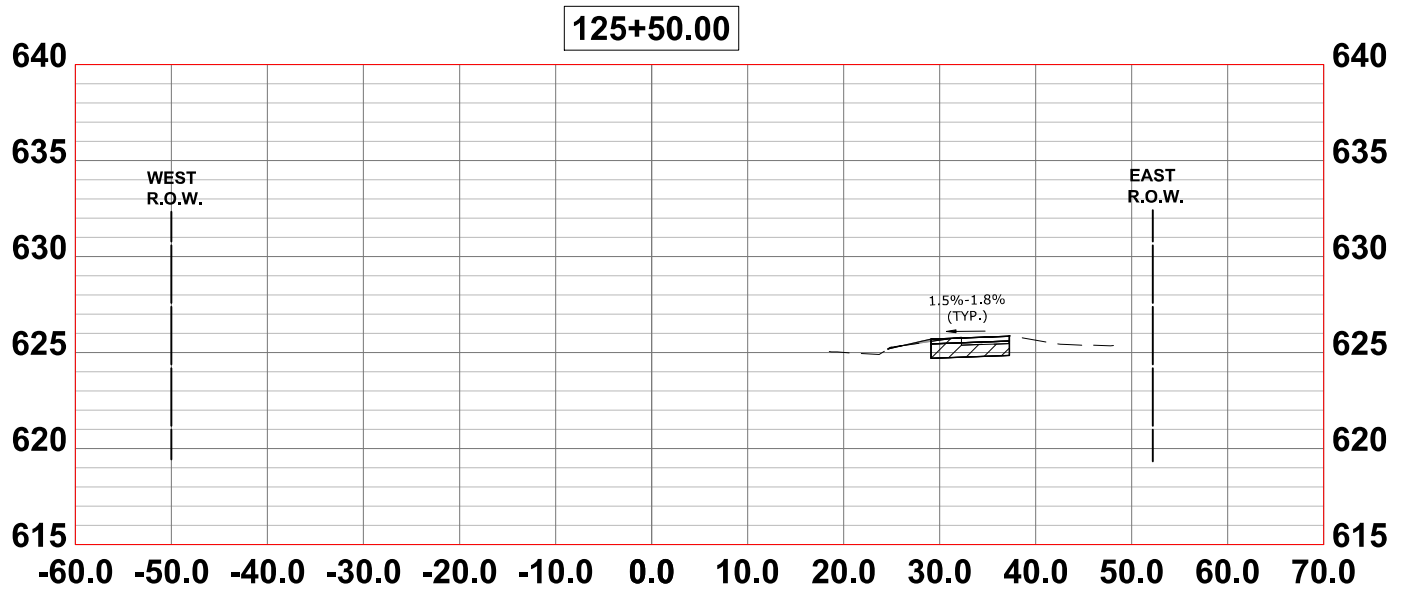
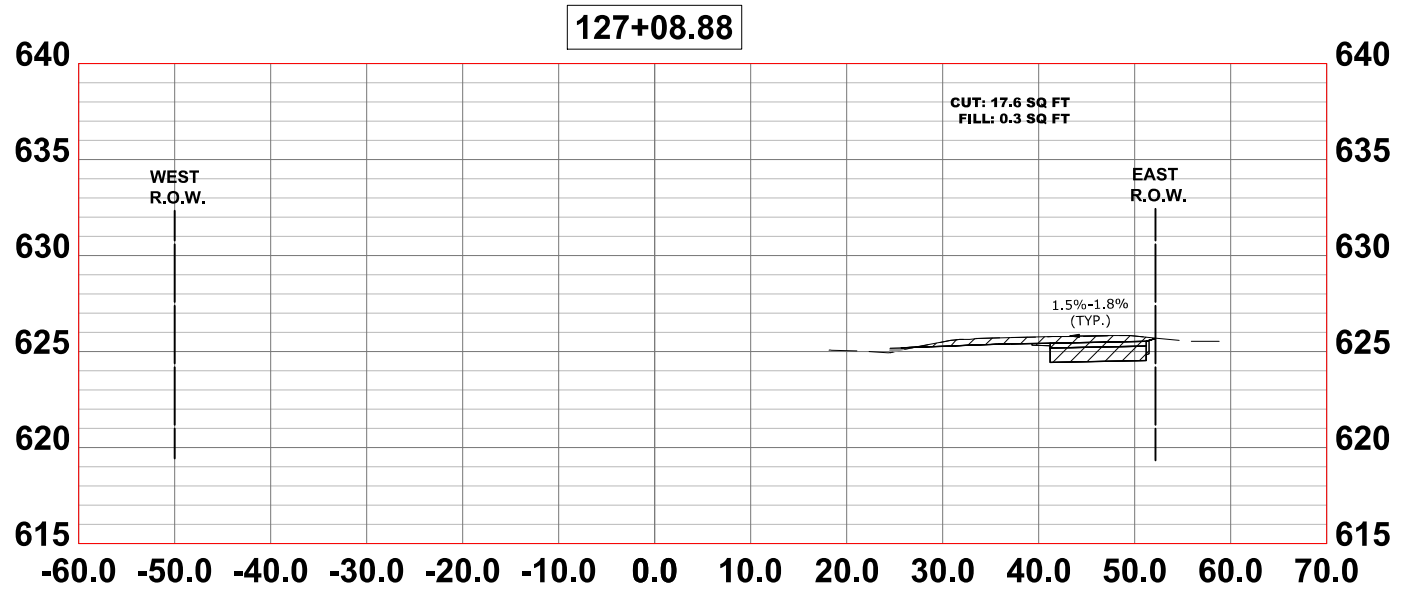
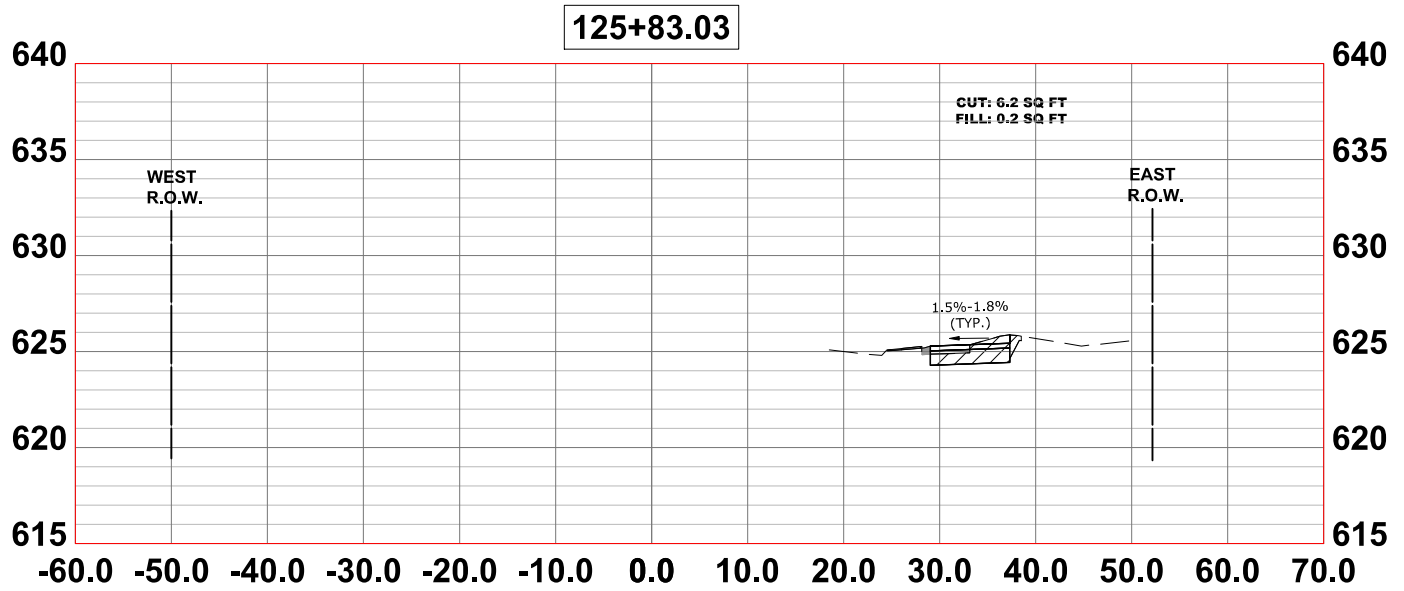
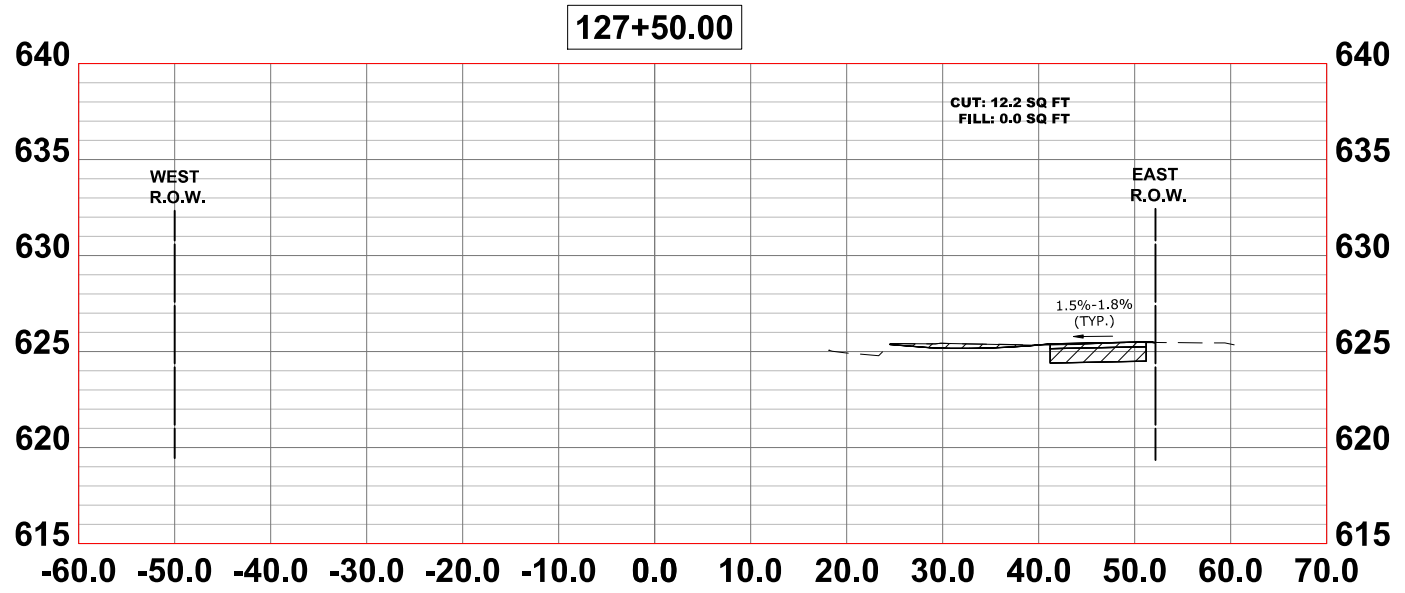
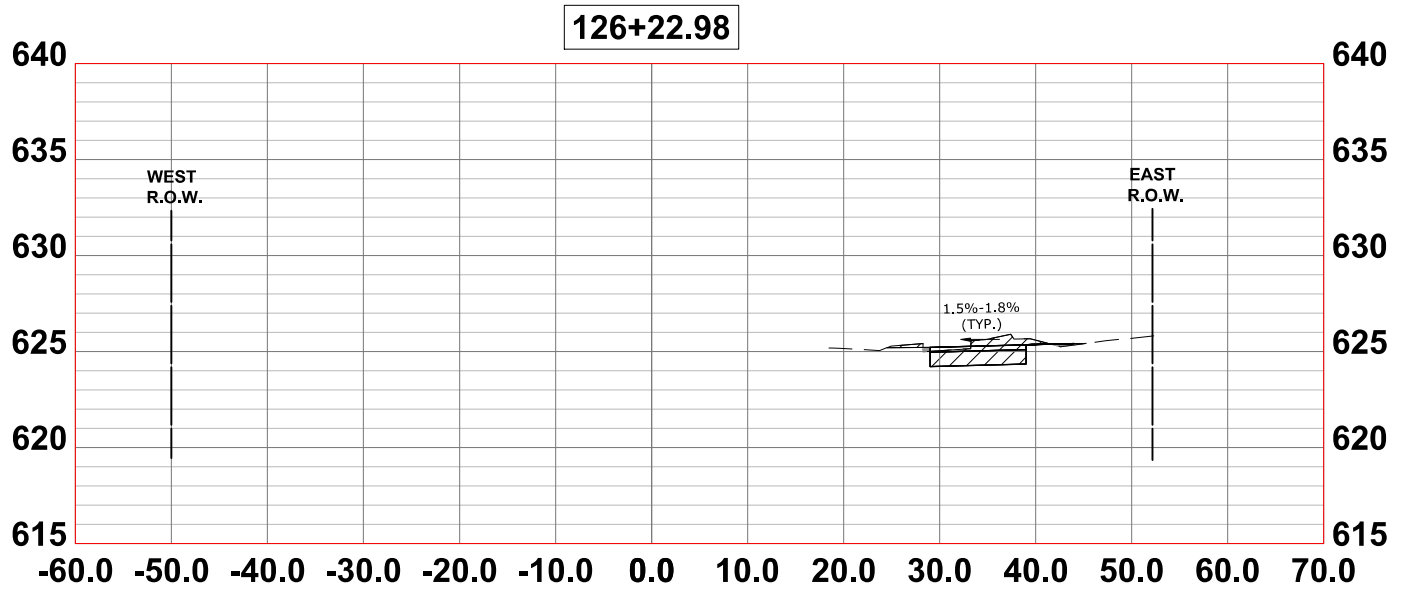
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 8 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	94
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



**HANCOCK ENGINEERING**  
 118+ Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Weechester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

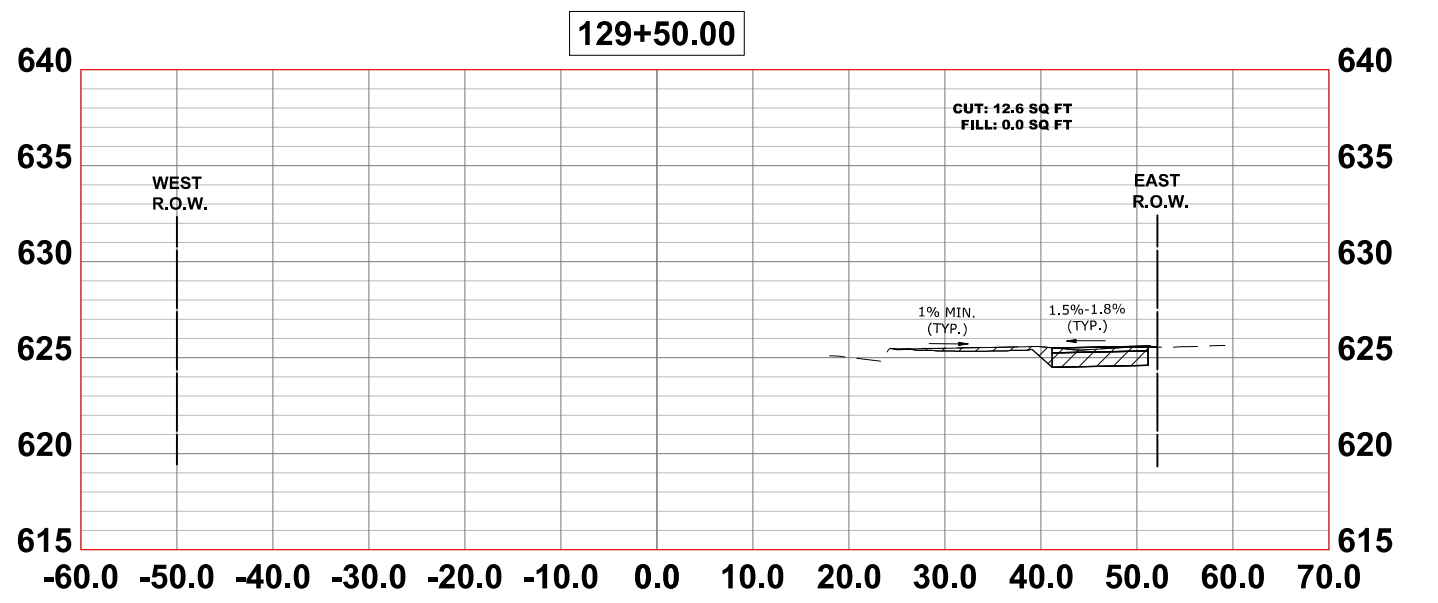
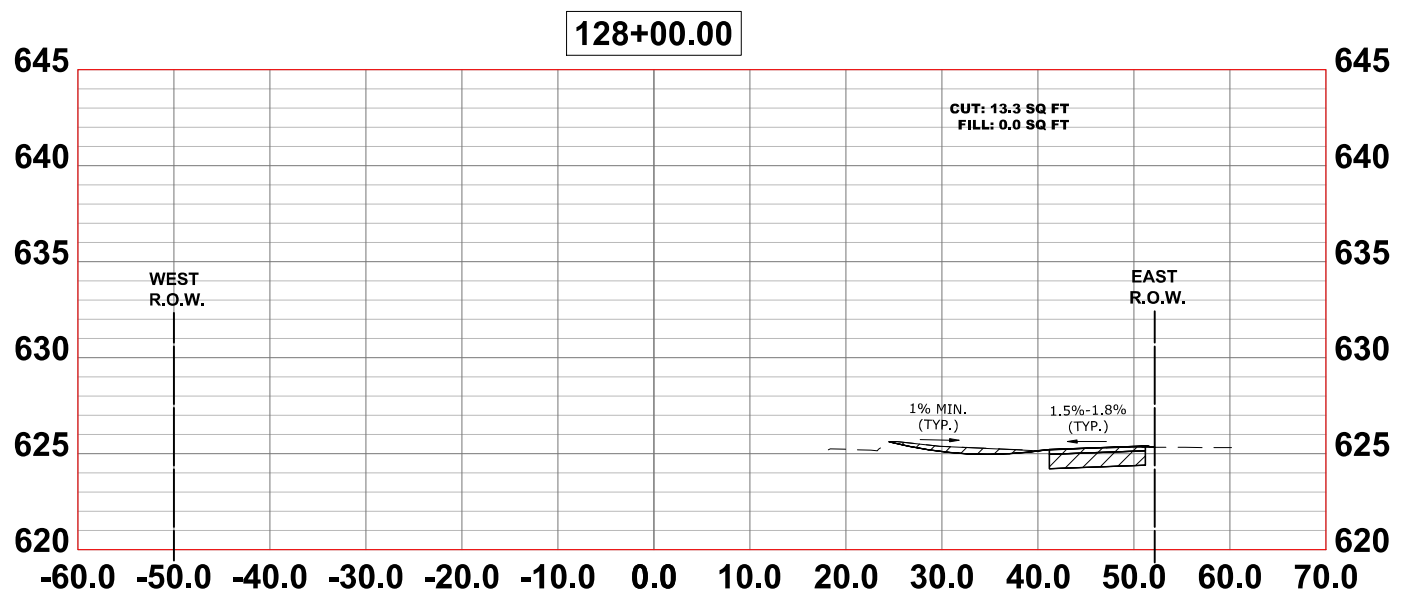
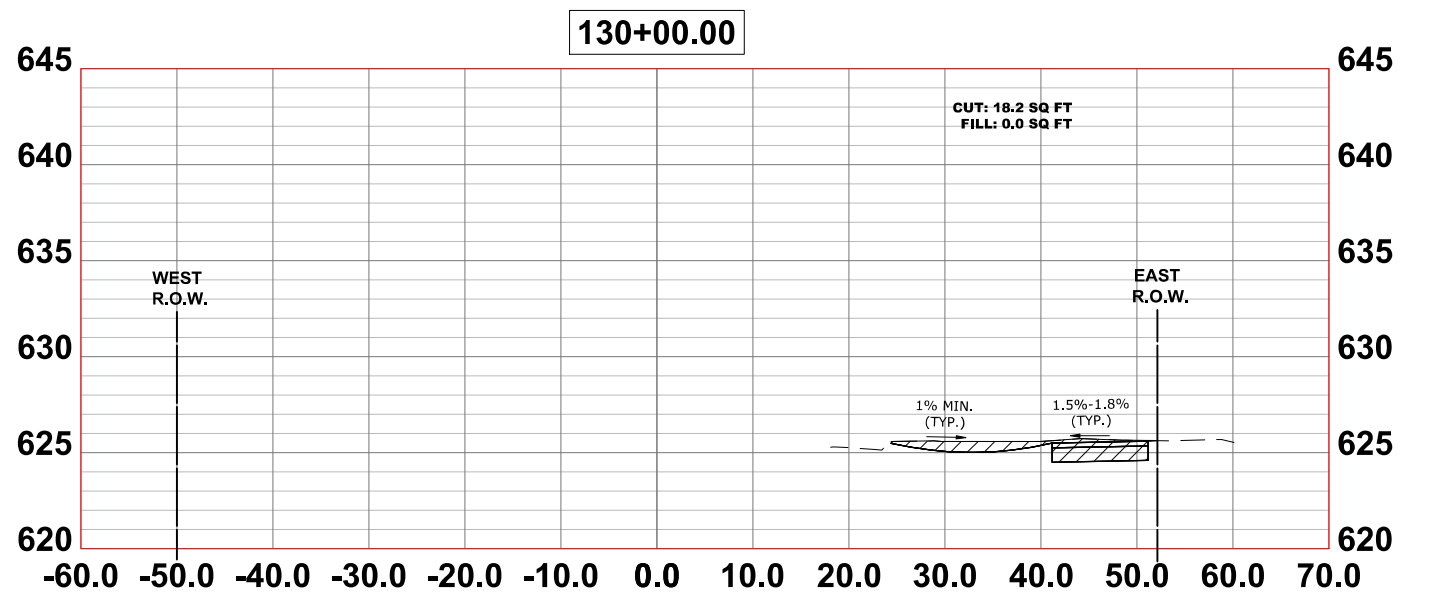
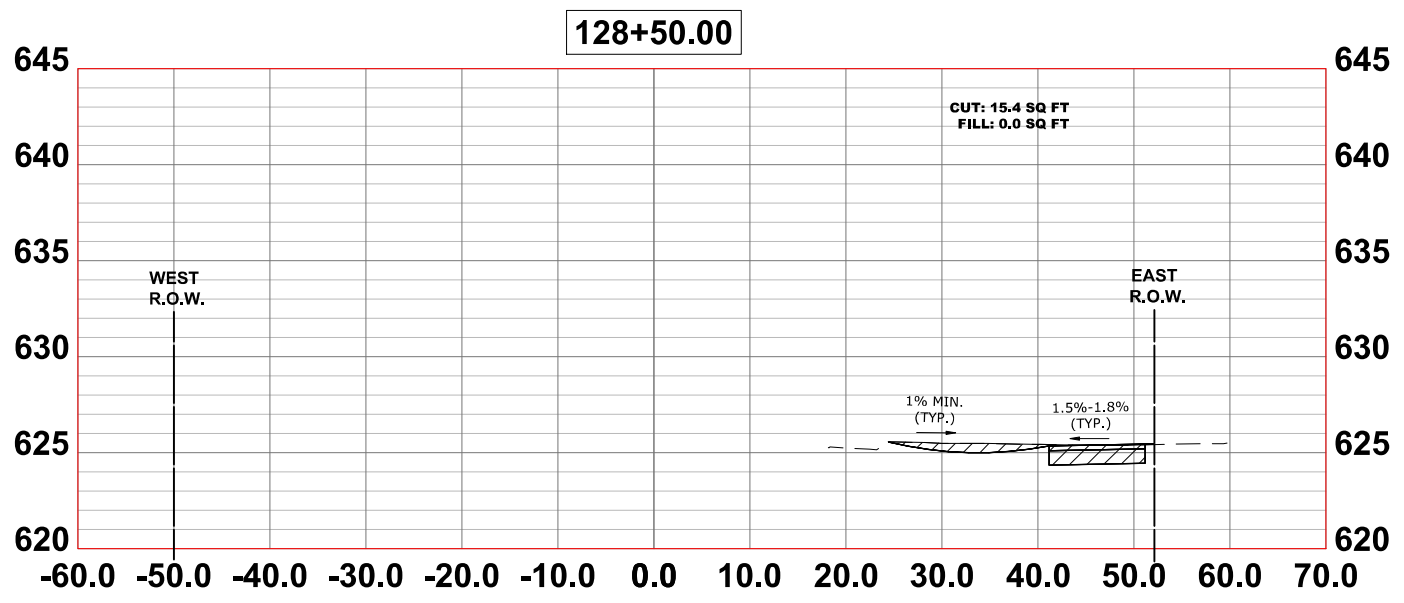
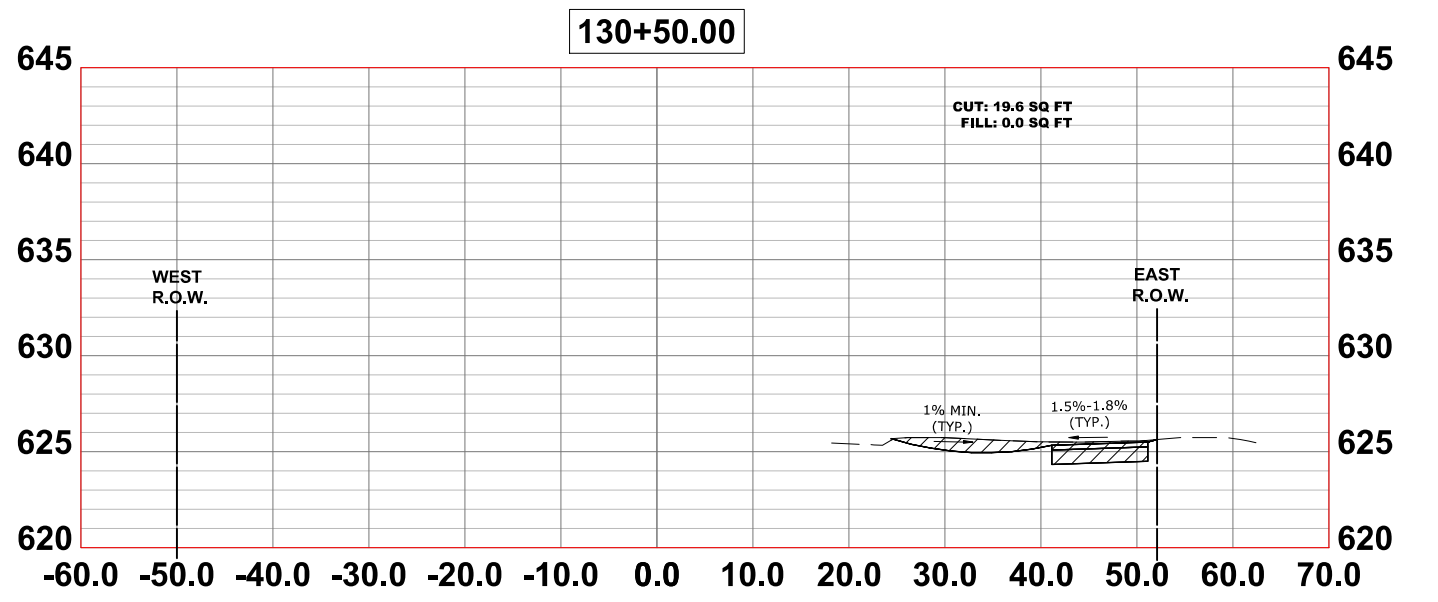
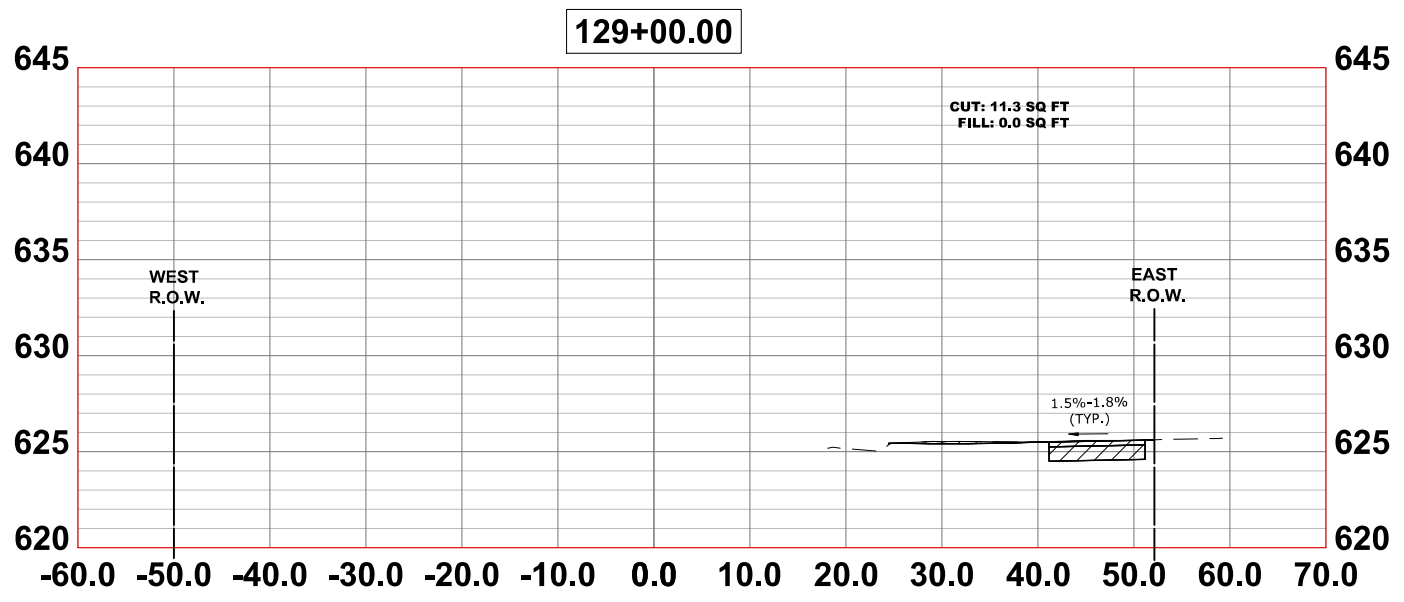
SCALE: H:1"=10', V:1"=5'    SHEET NO. 9 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	95
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801



Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



**HANCOCK ENGINEERING**  
 11th Year of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60184-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

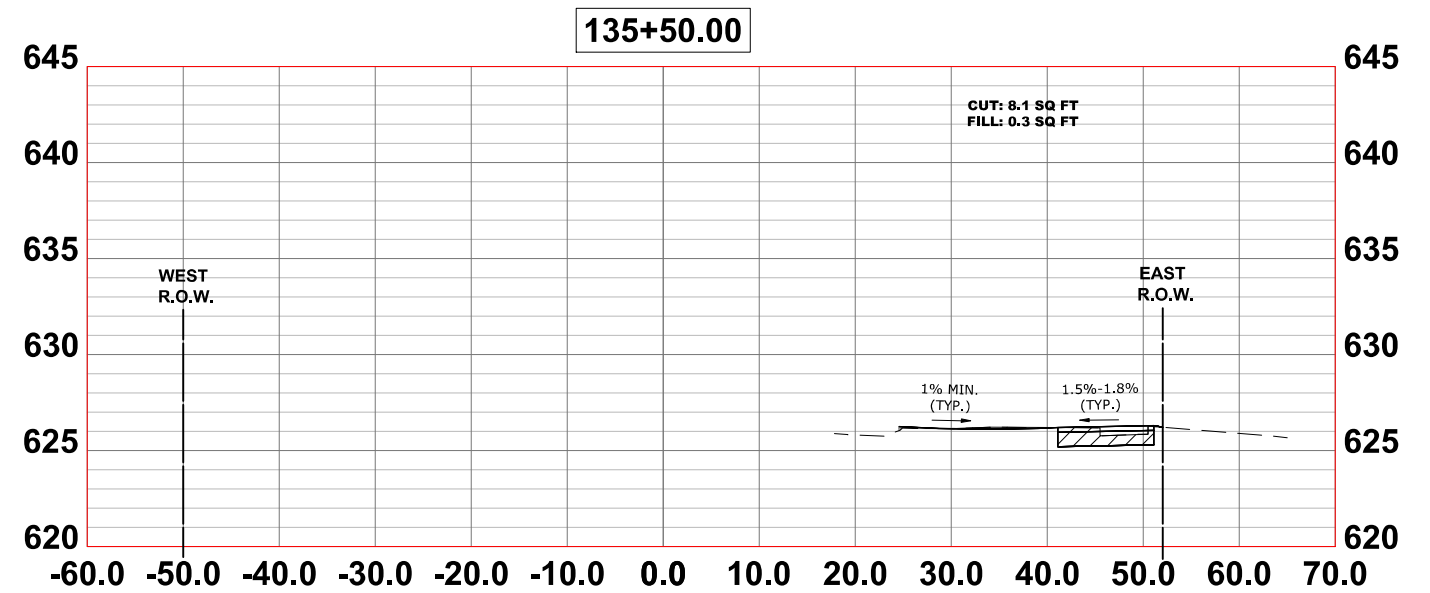
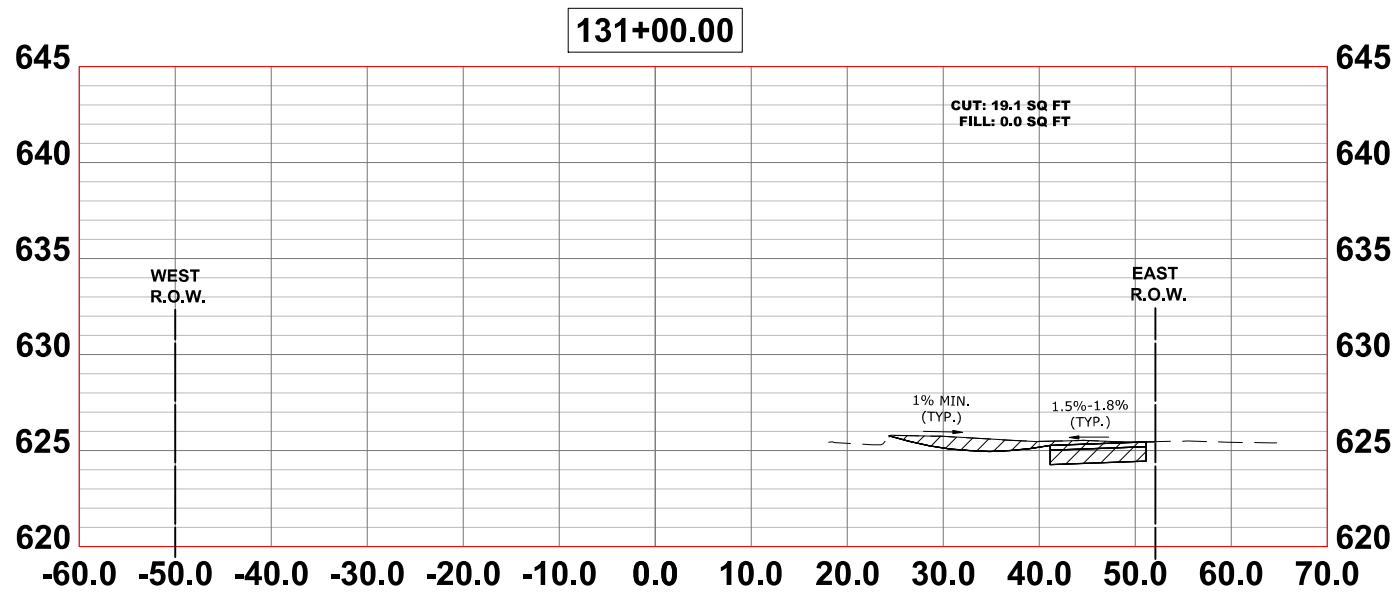
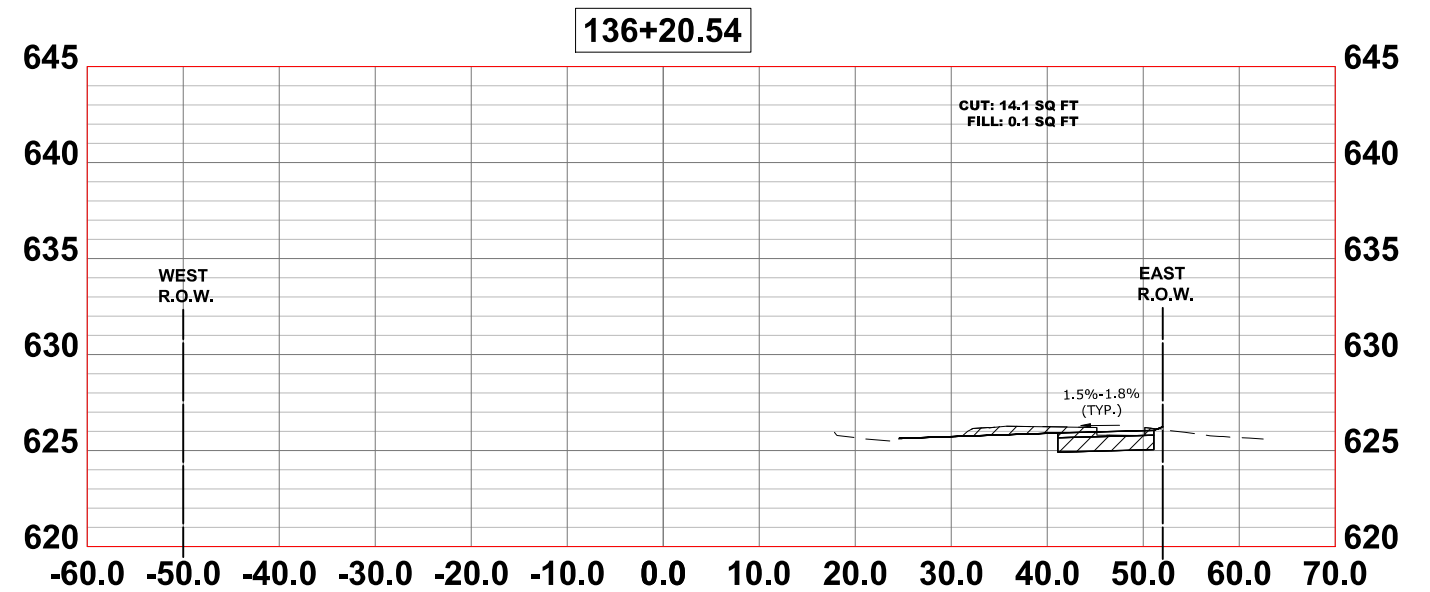
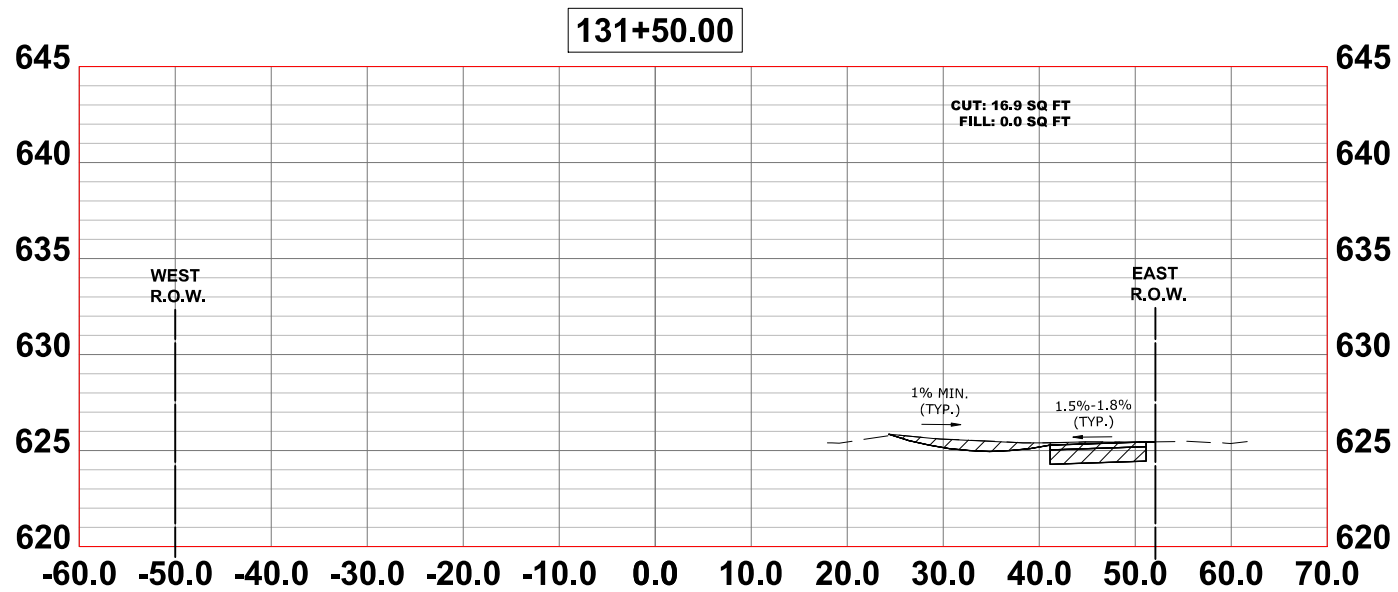
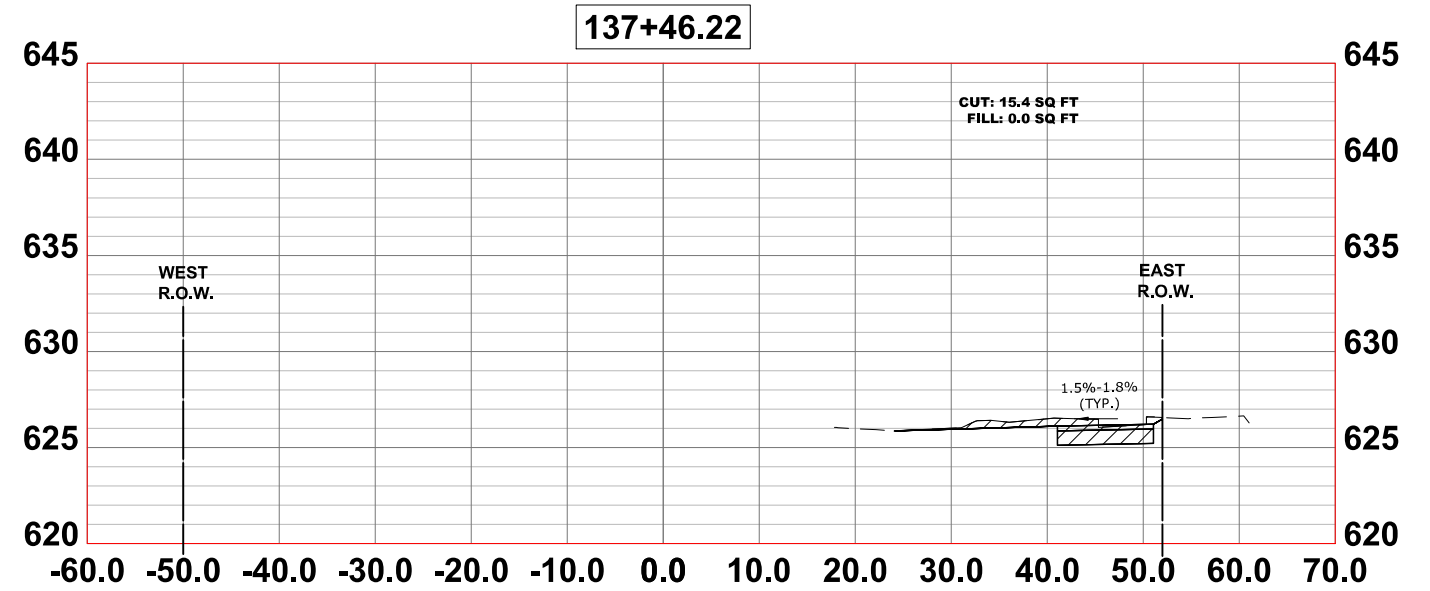
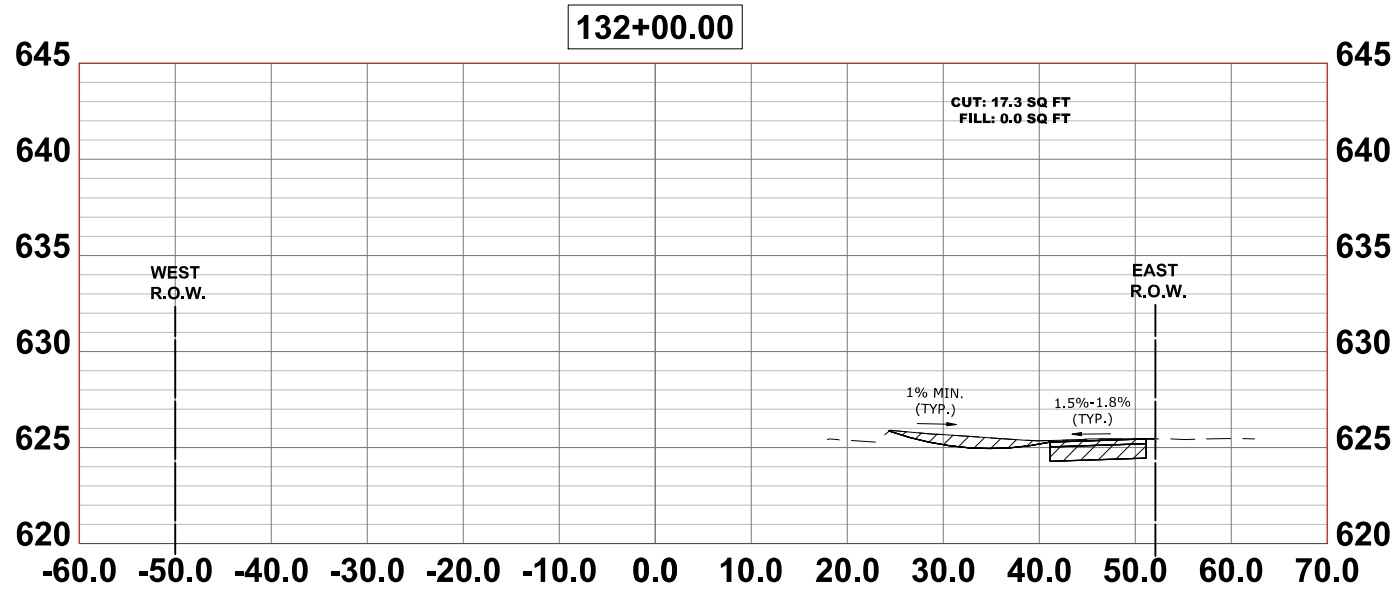
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 10 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	96
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9928 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

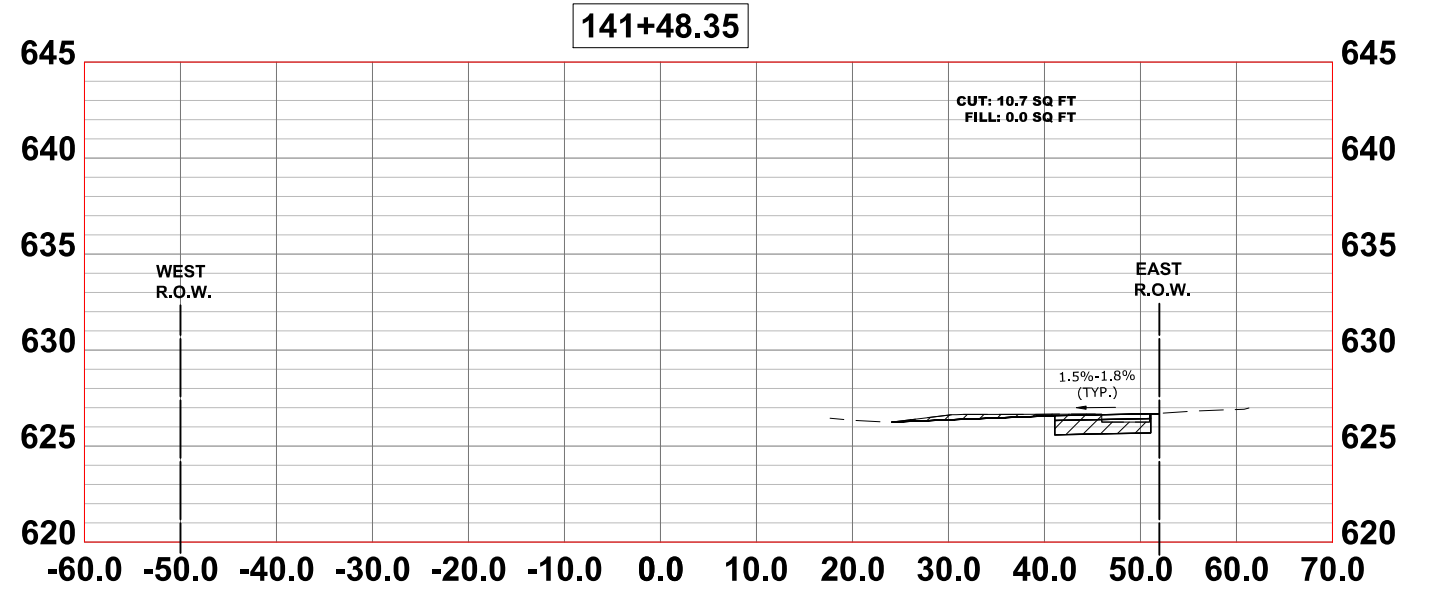
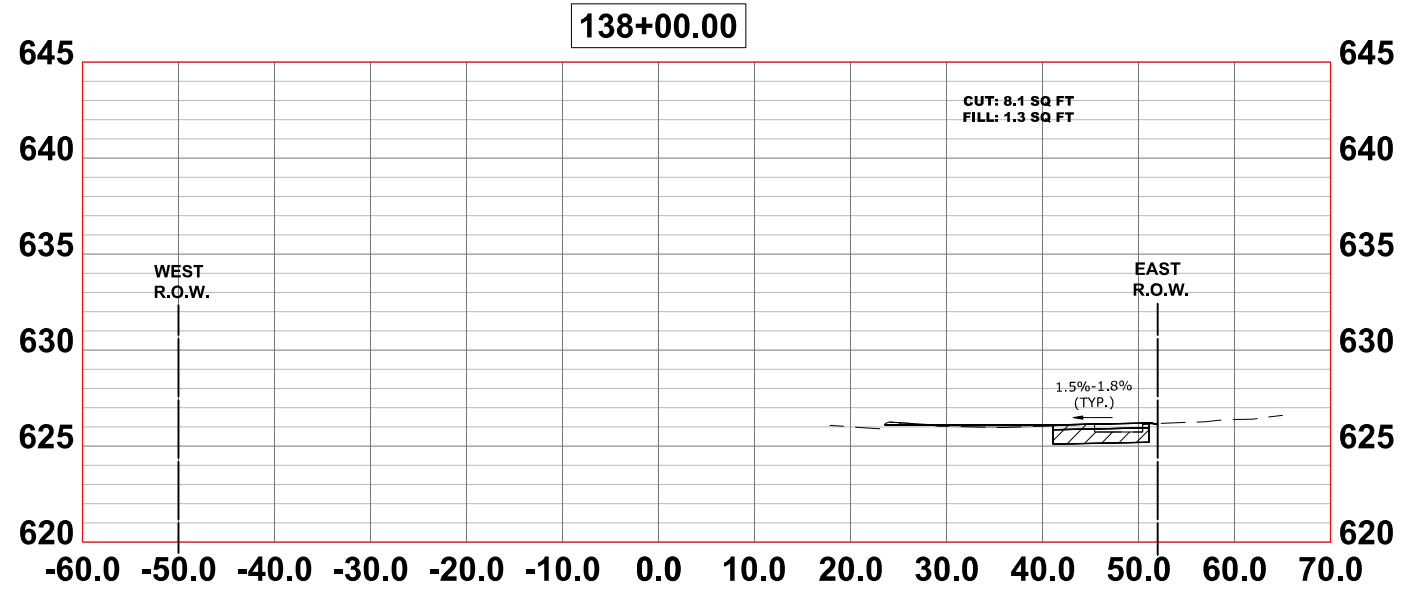
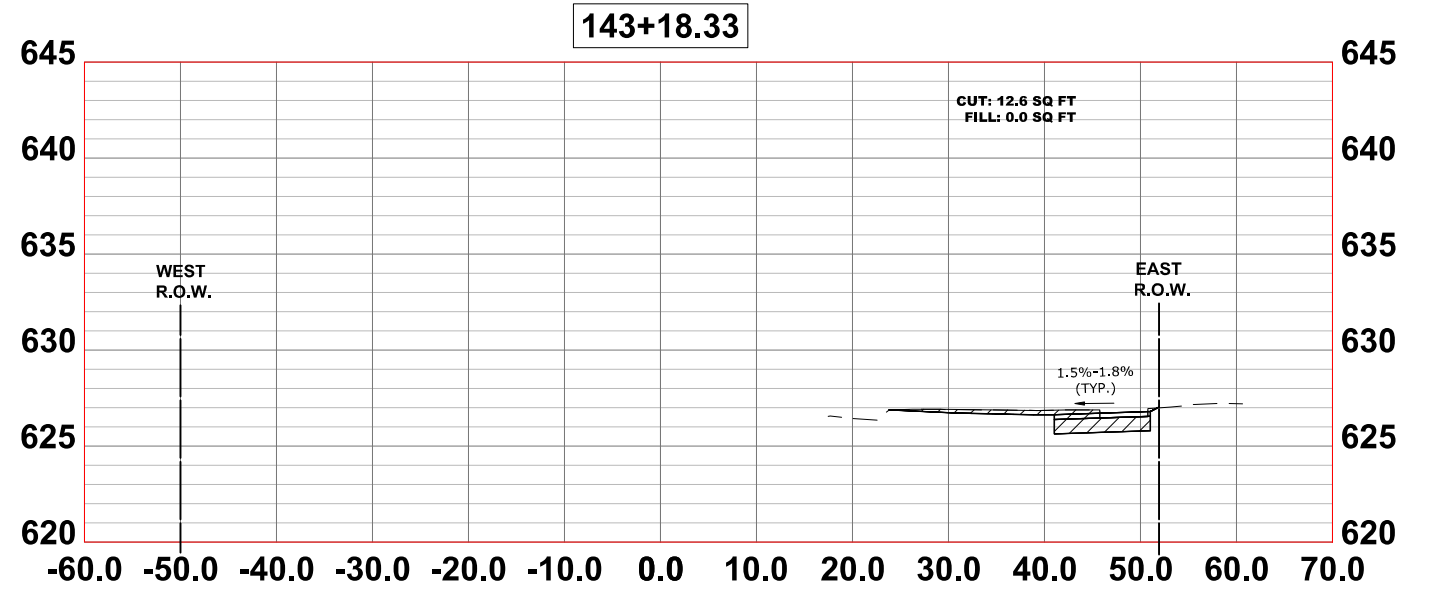
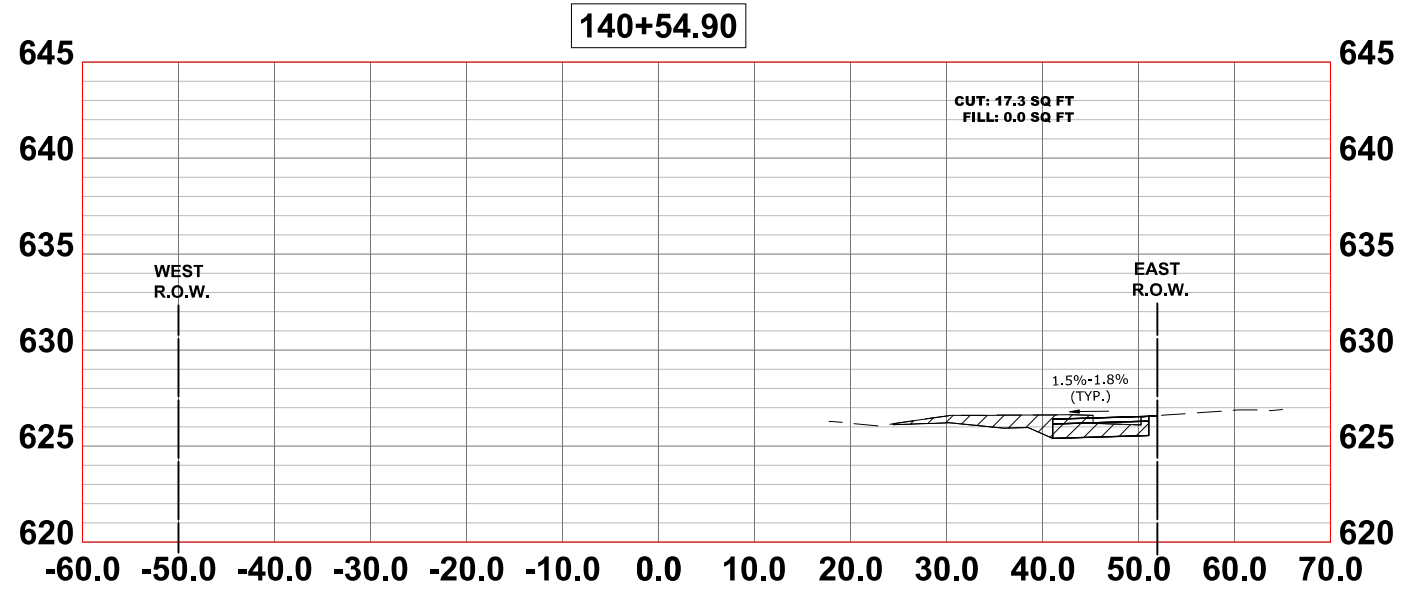
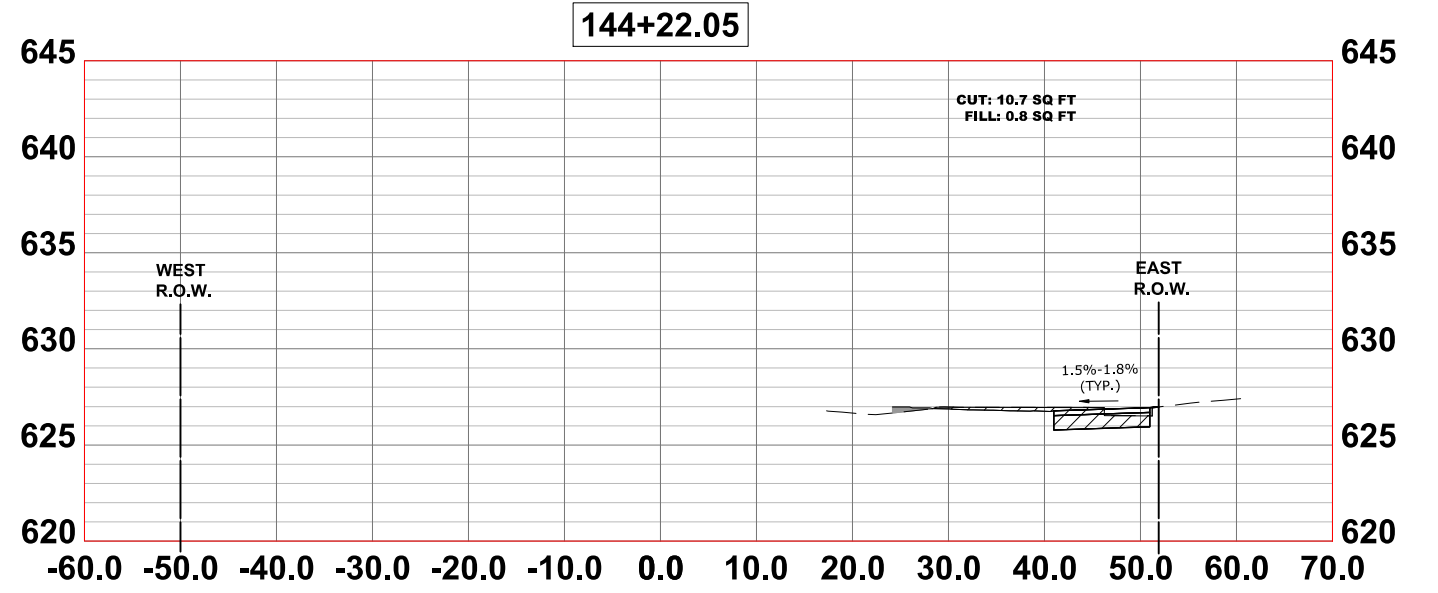
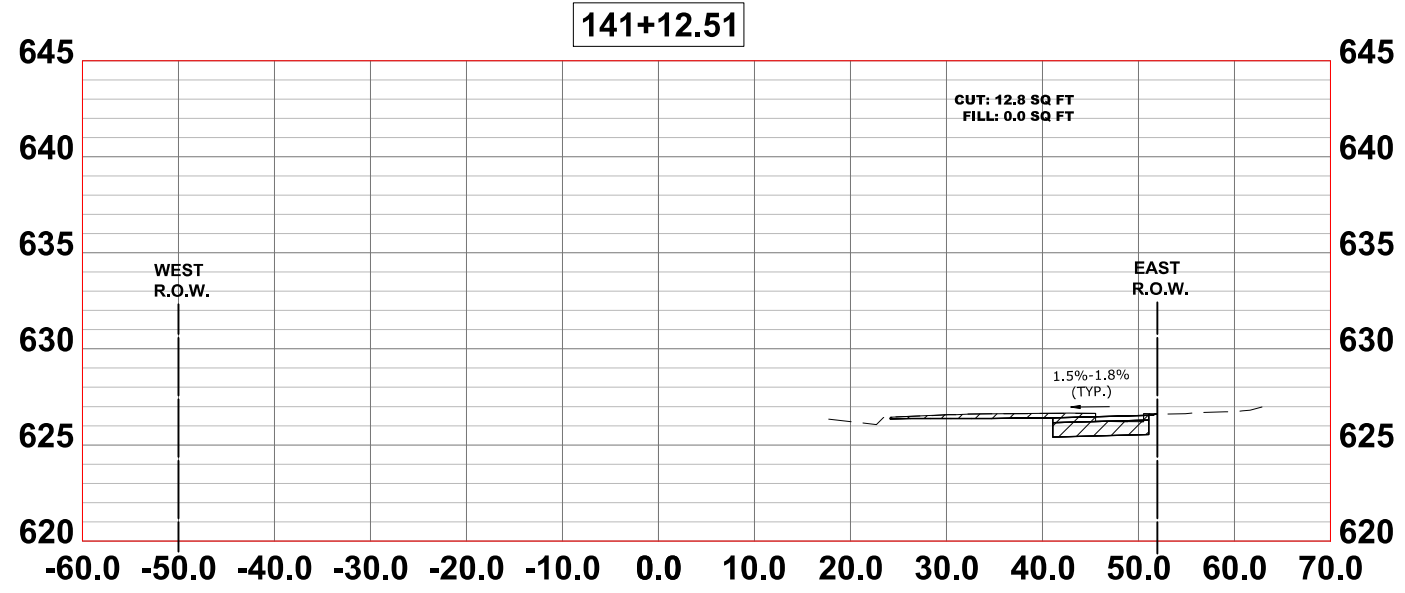
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 11 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	97
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023268 - 25th Avenue Shared-Use Path Phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



**HANCOCK ENGINEERING**  
 100+ Years of Experience  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

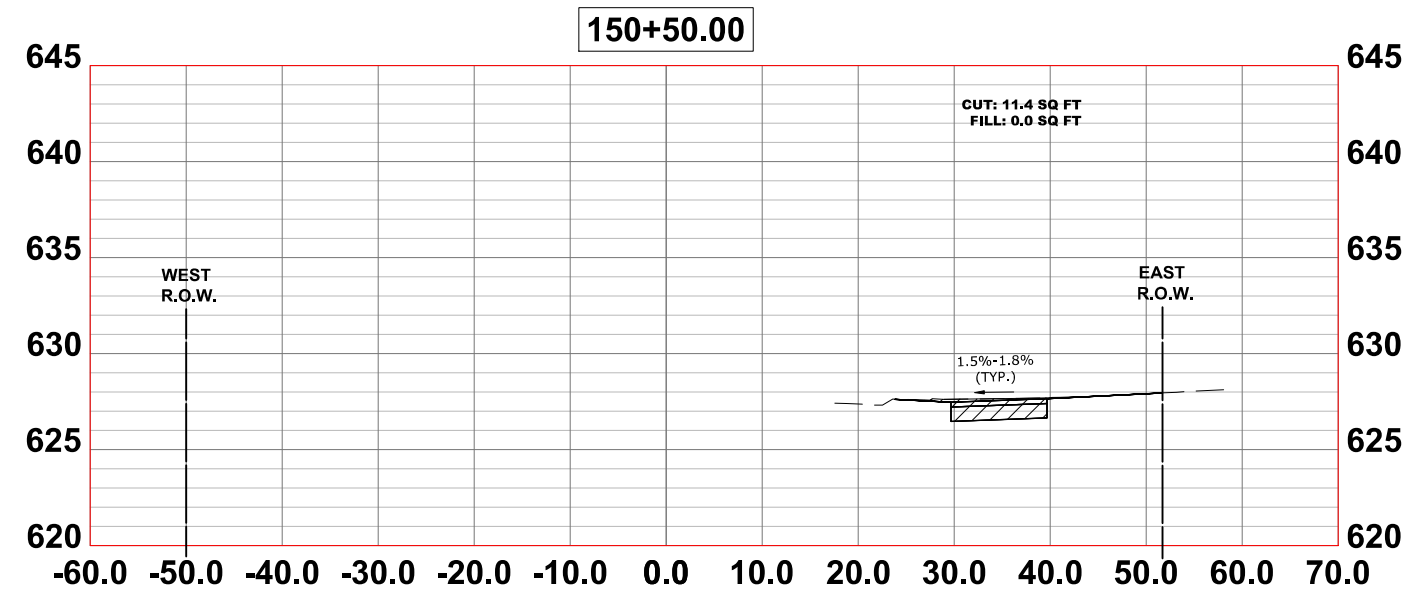
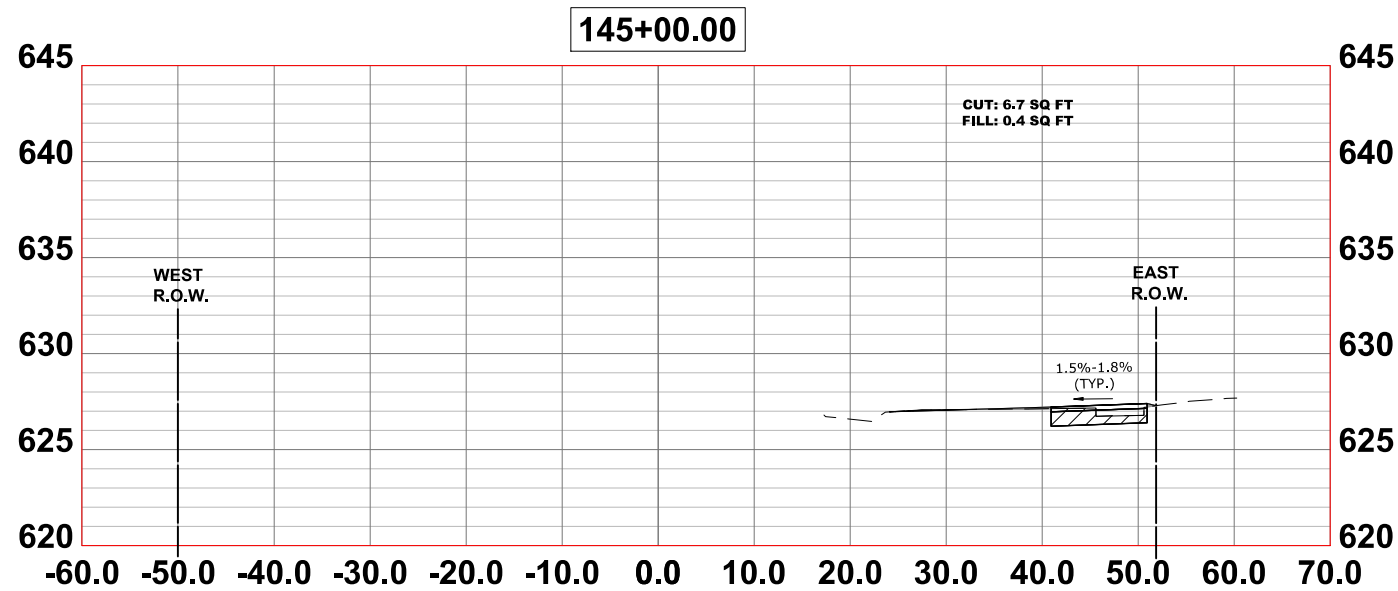
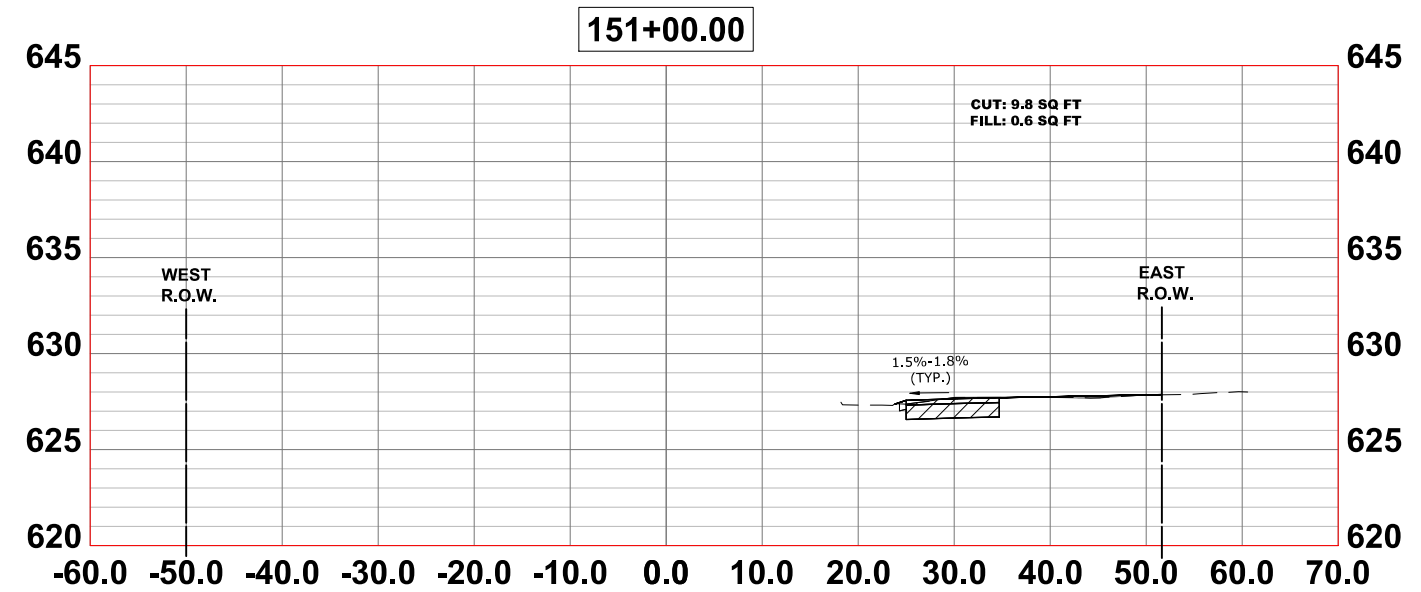
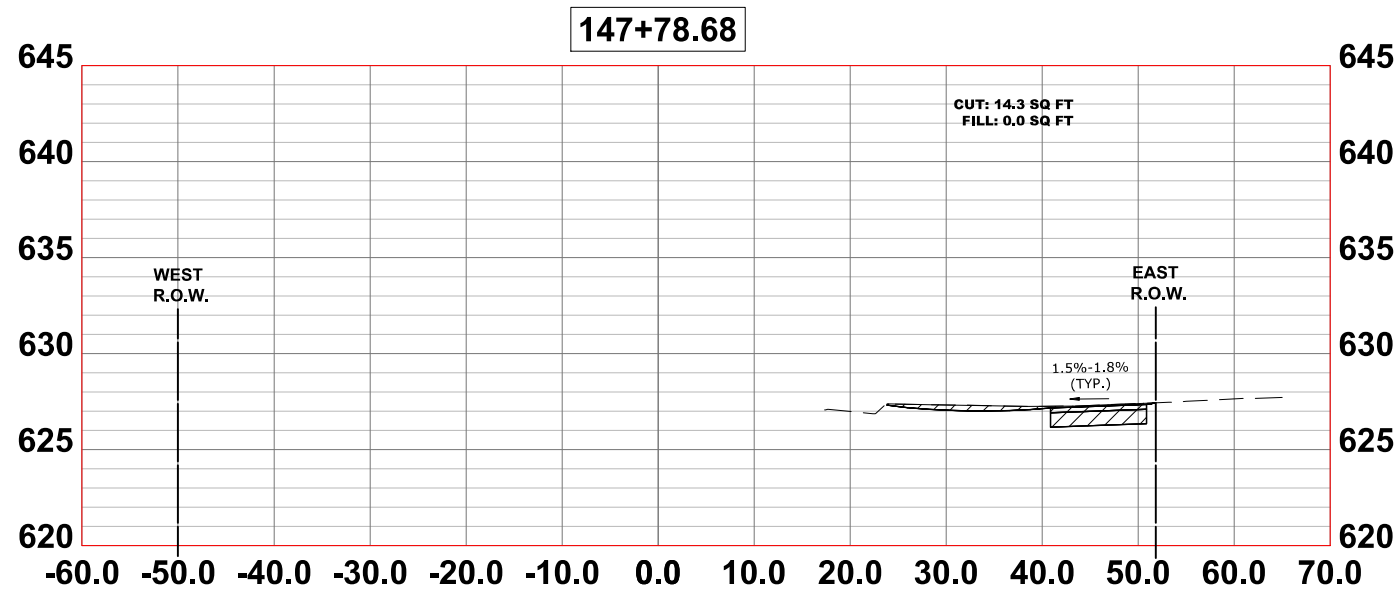
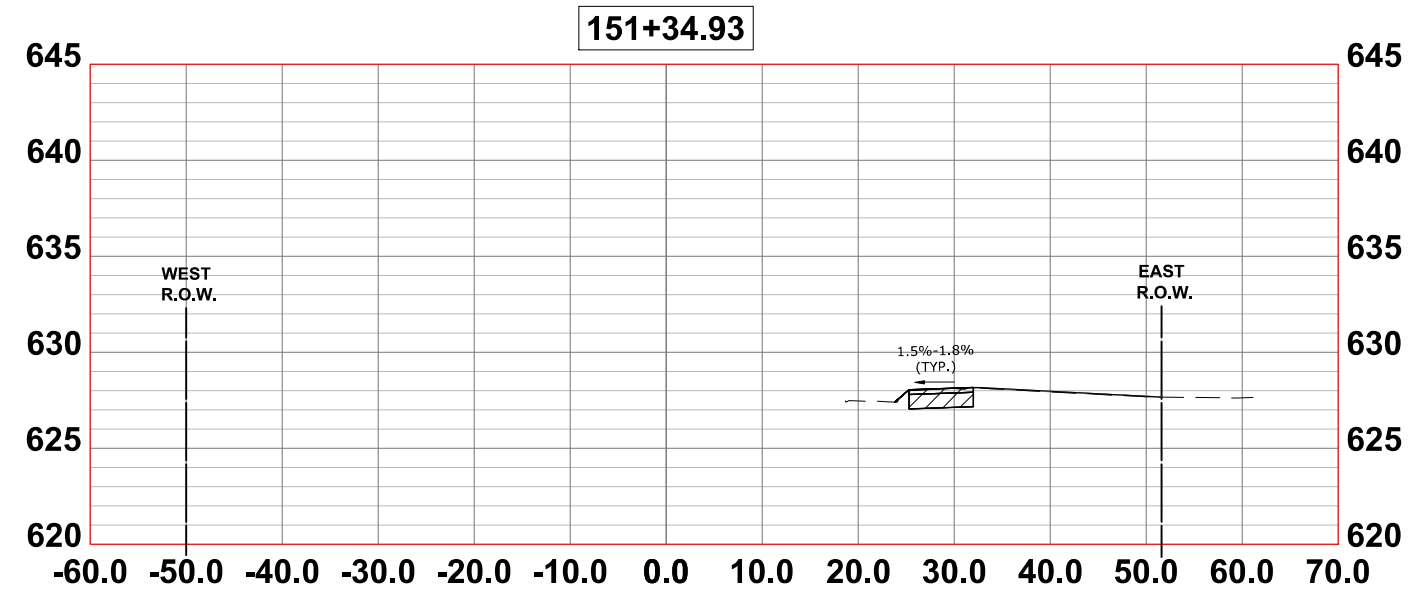
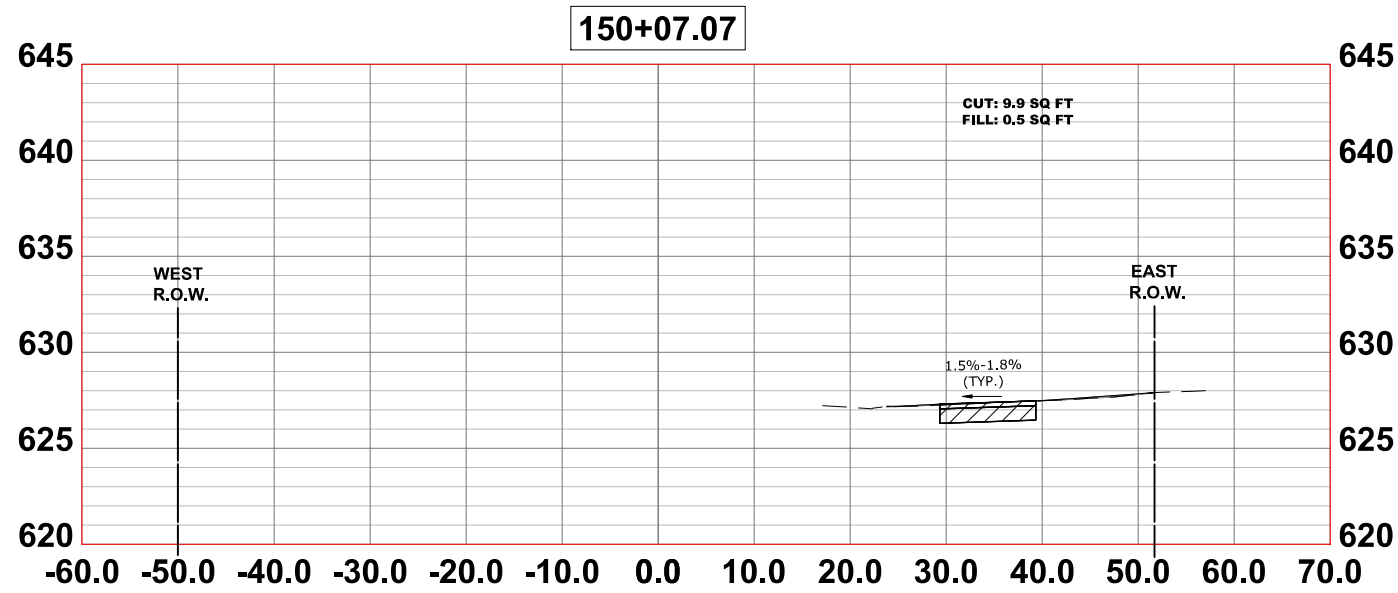
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 12 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	98
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023268 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



**HANCOCK ENGINEERING**  
 10th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

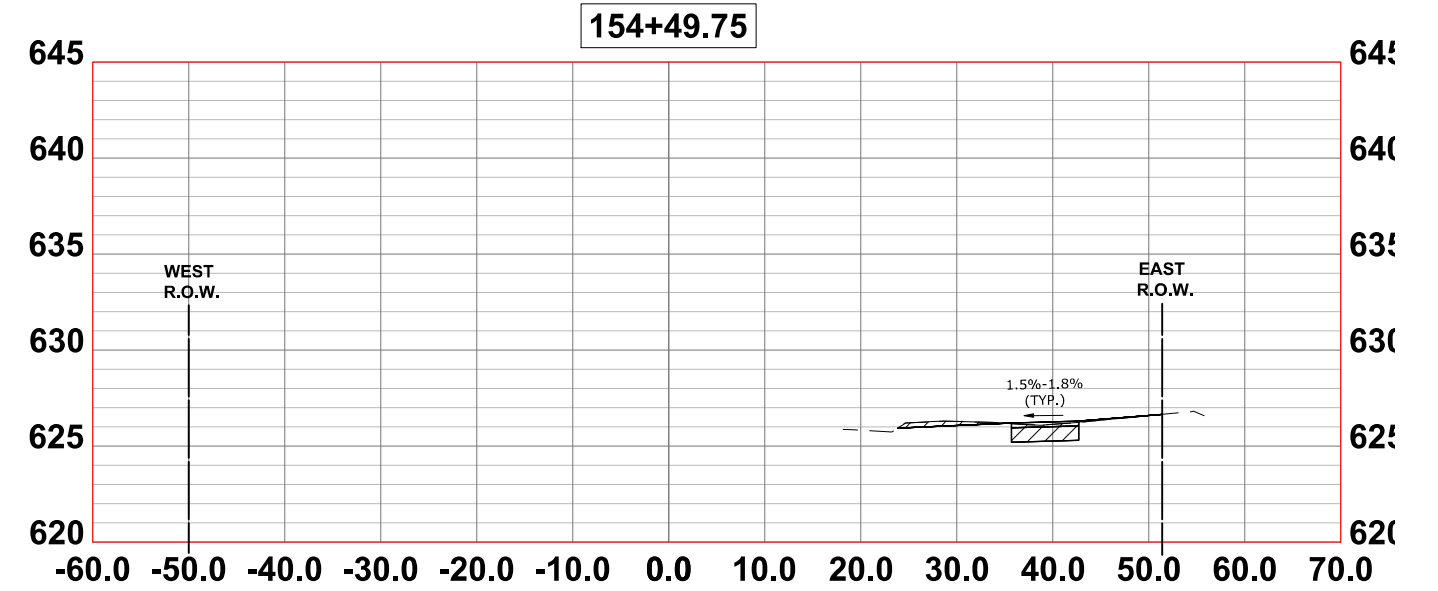
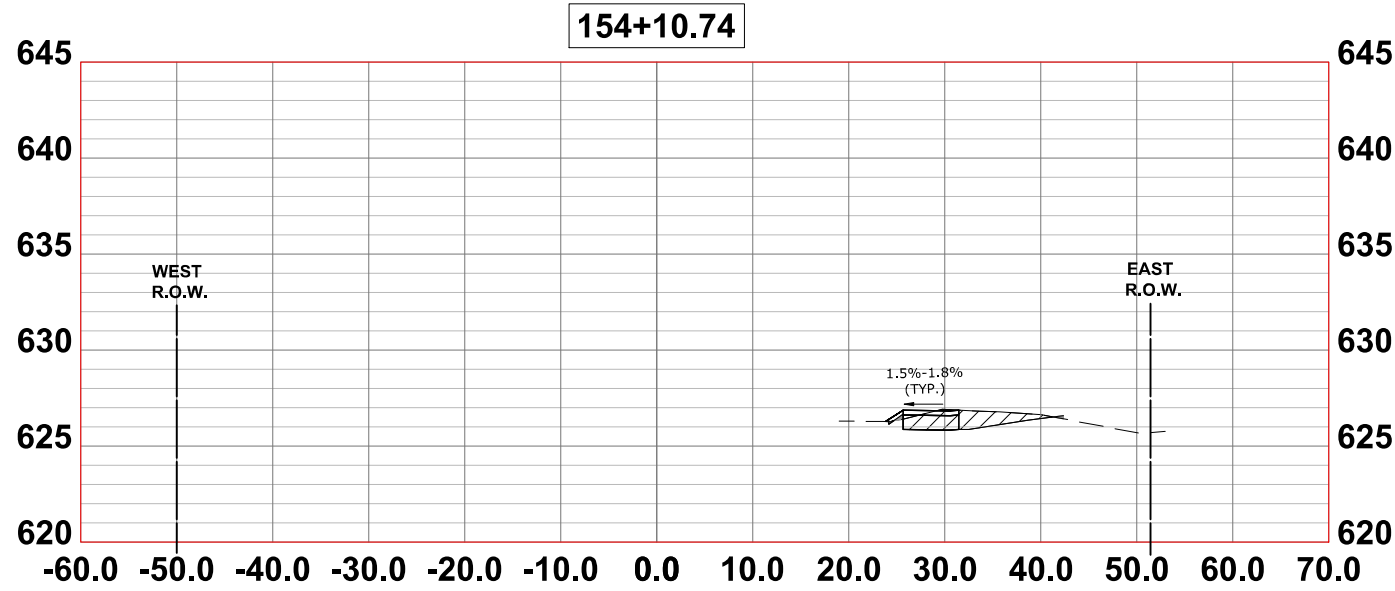
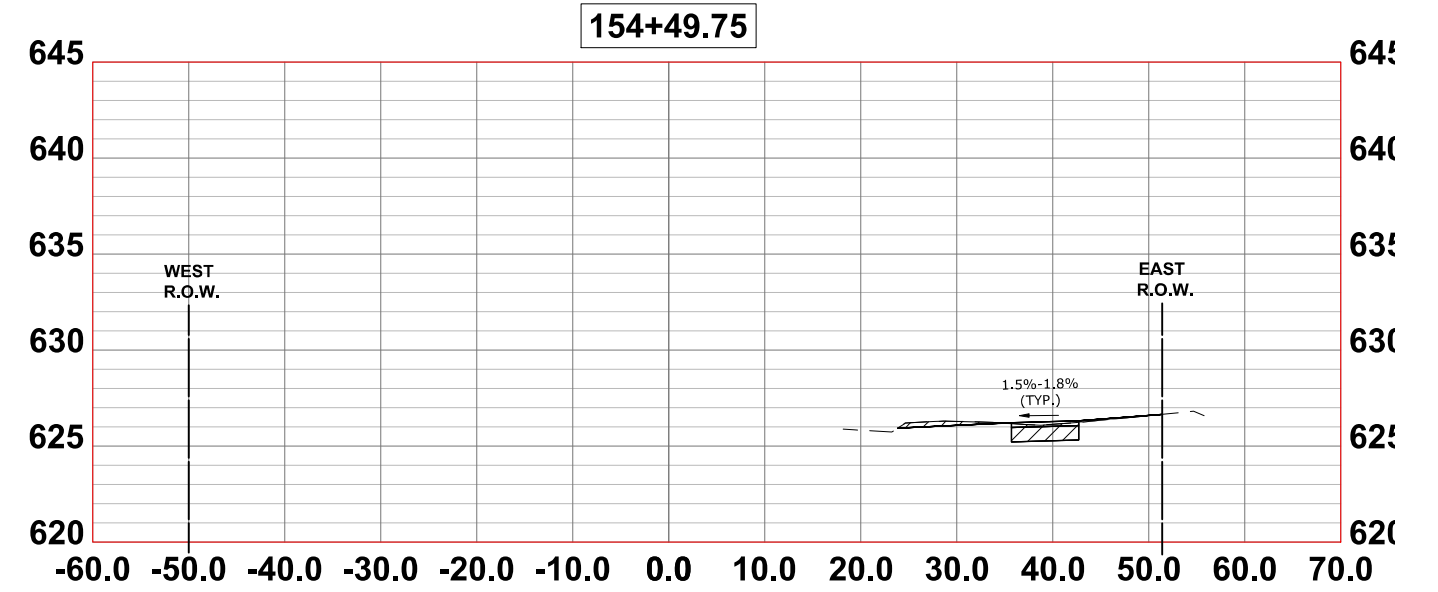
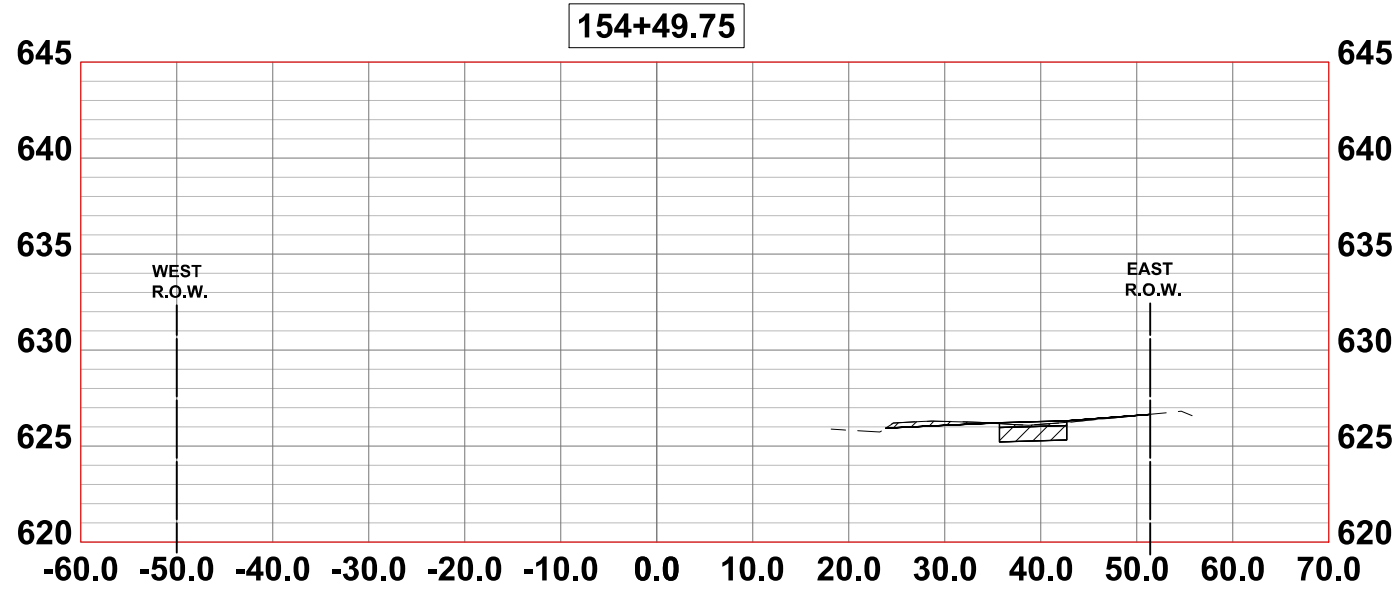
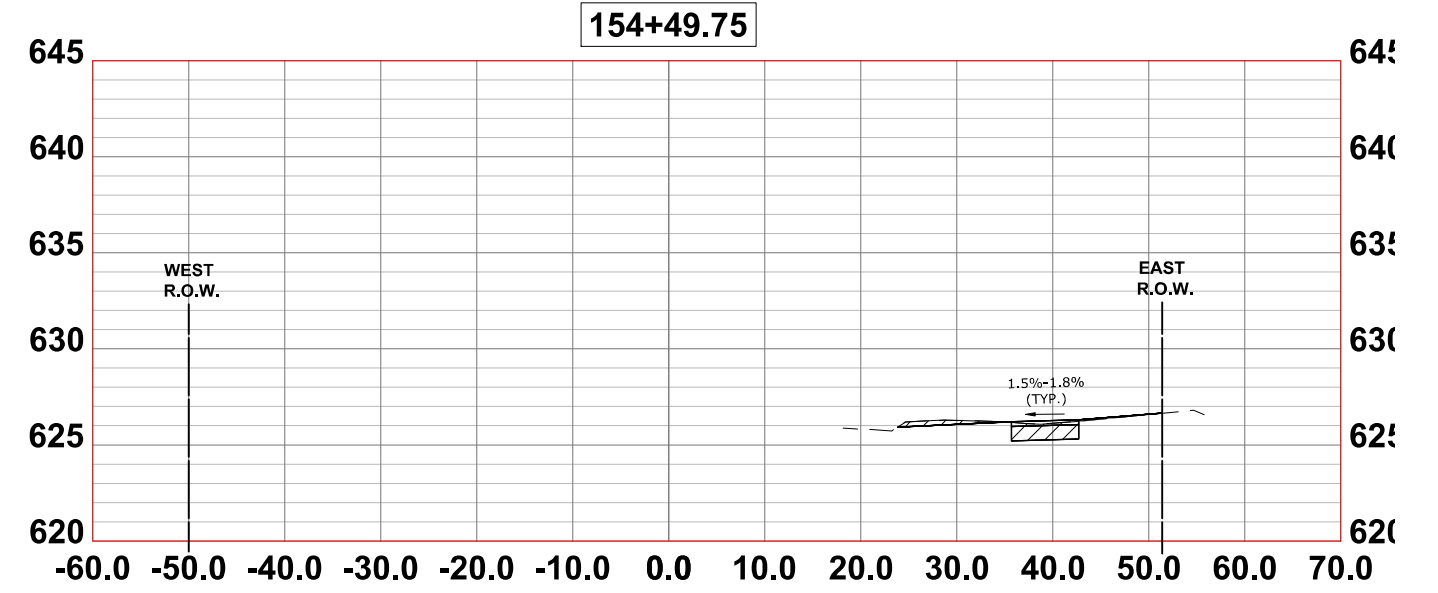
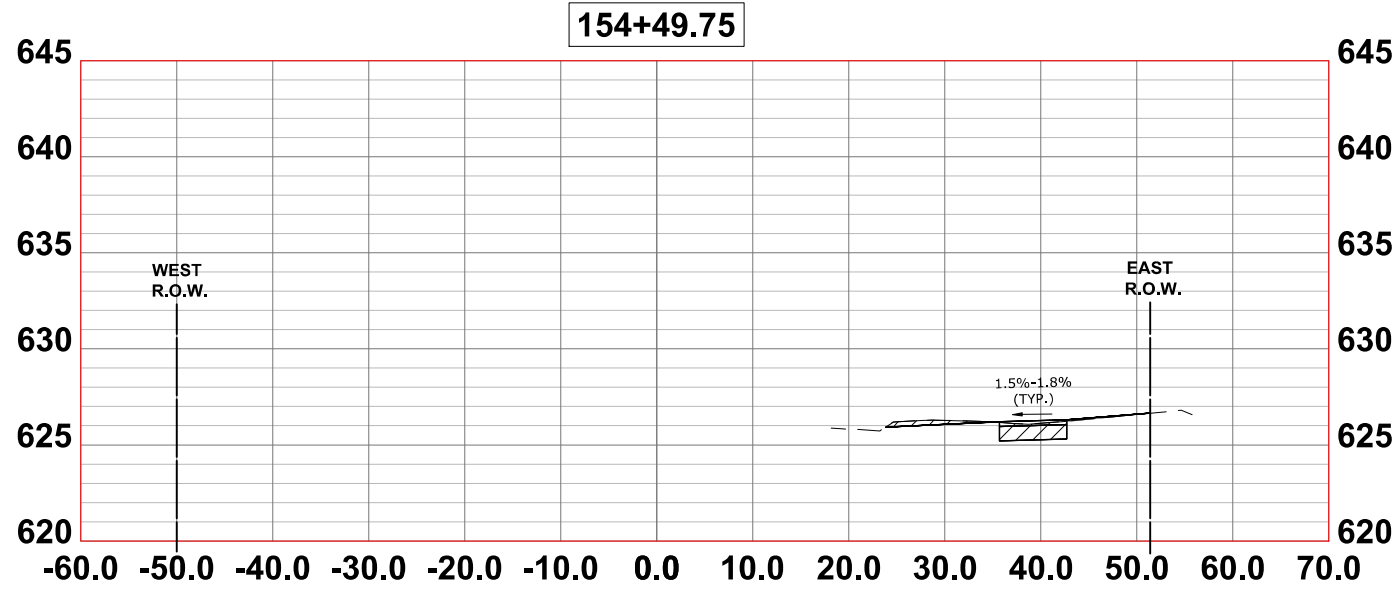
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 13 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	99
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



9928 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com  
 Civil Engineers  
 Municipal Consultants  
 Established 1911

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

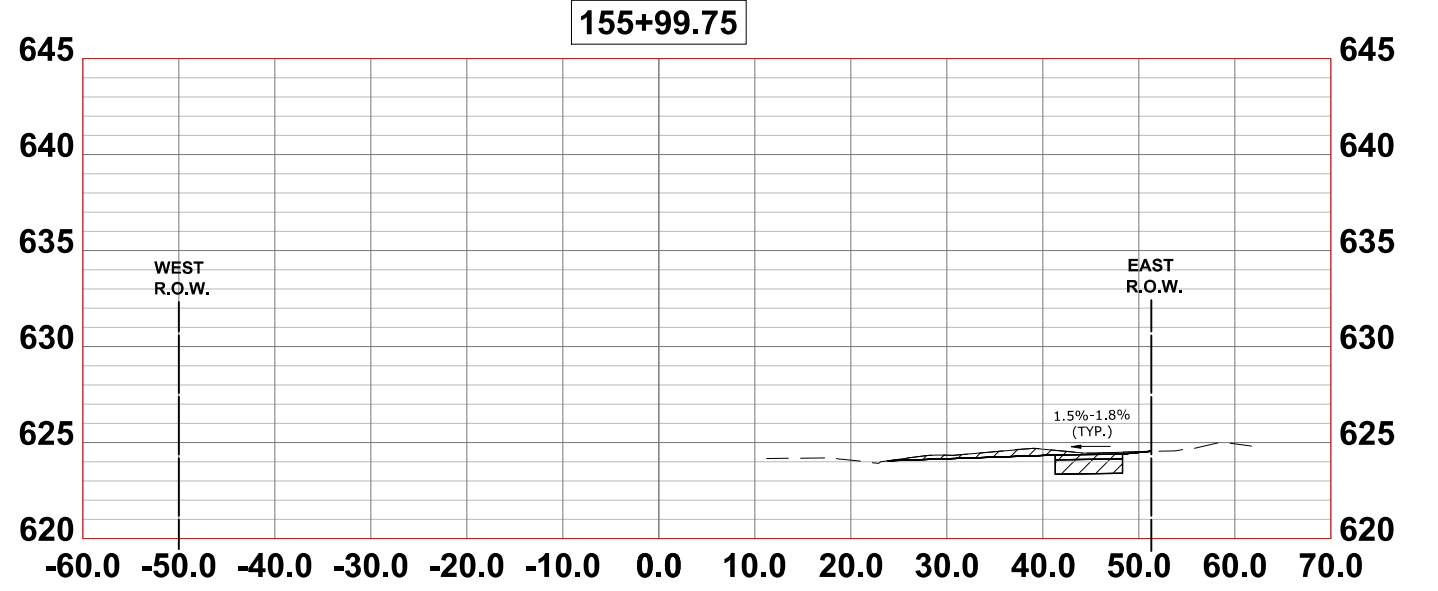
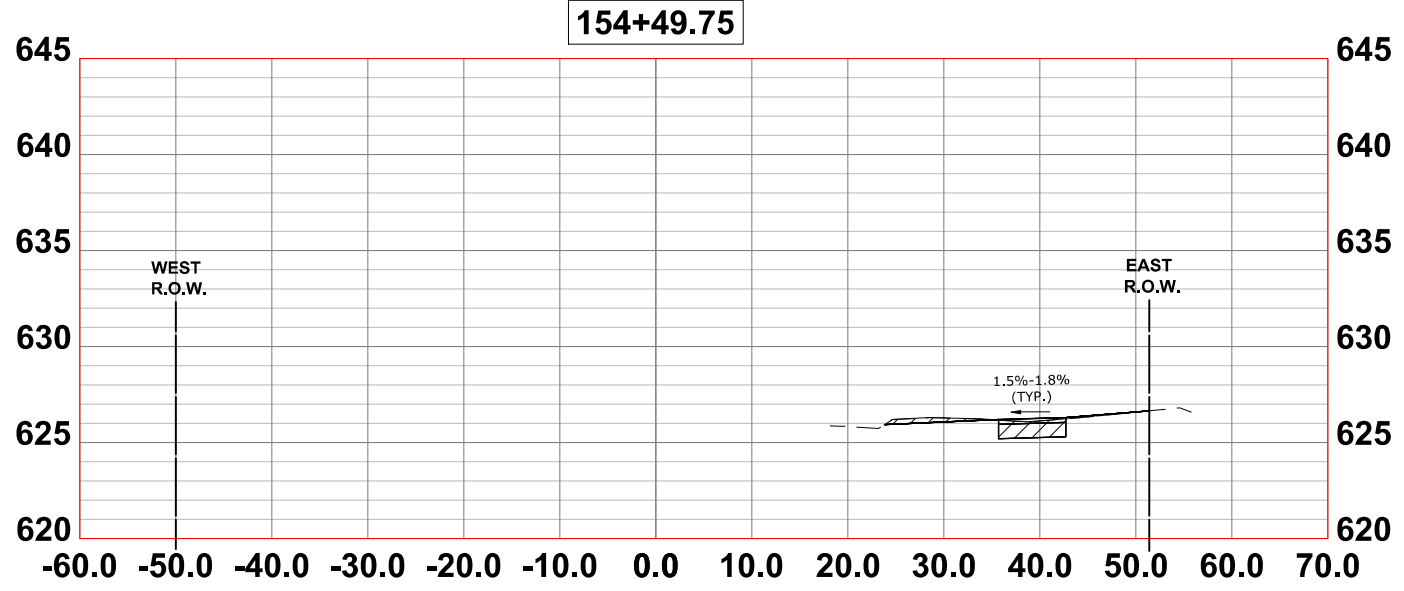
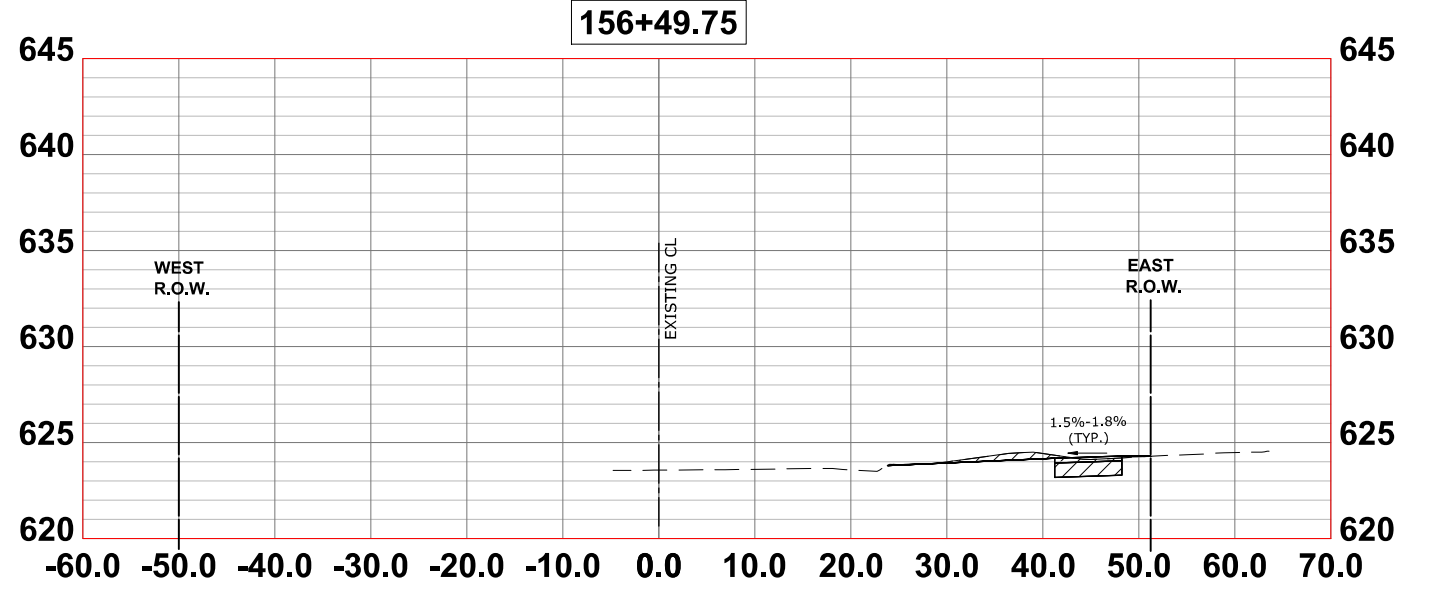
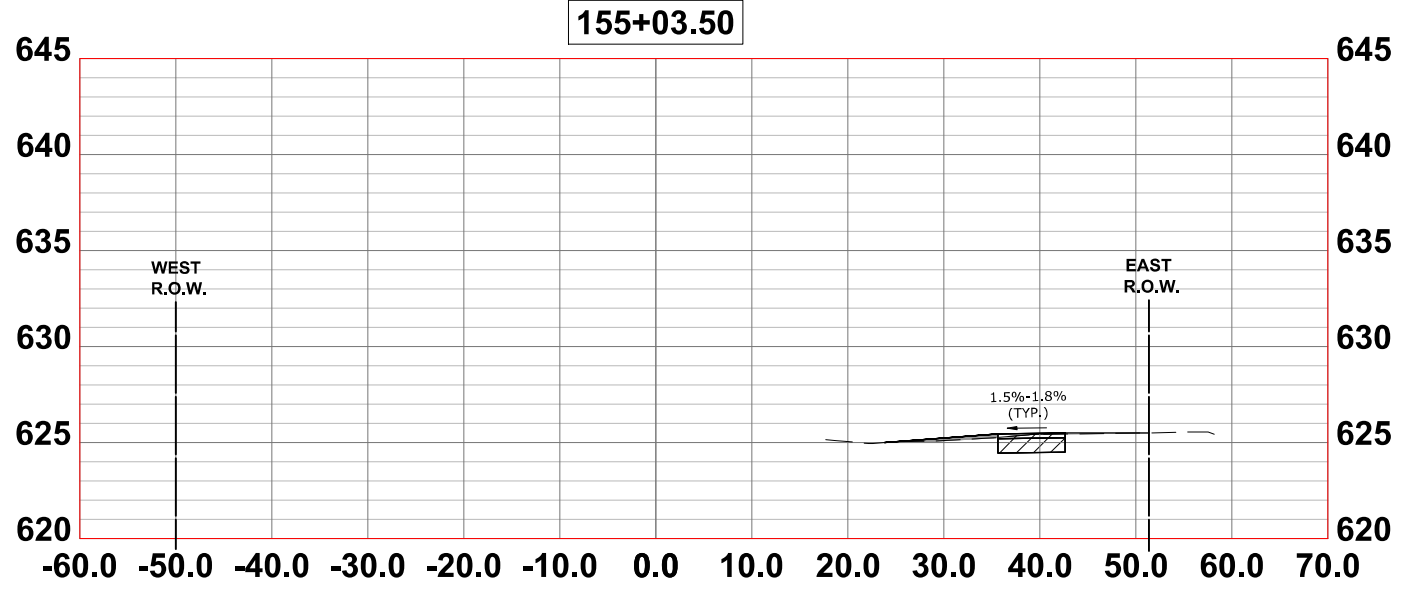
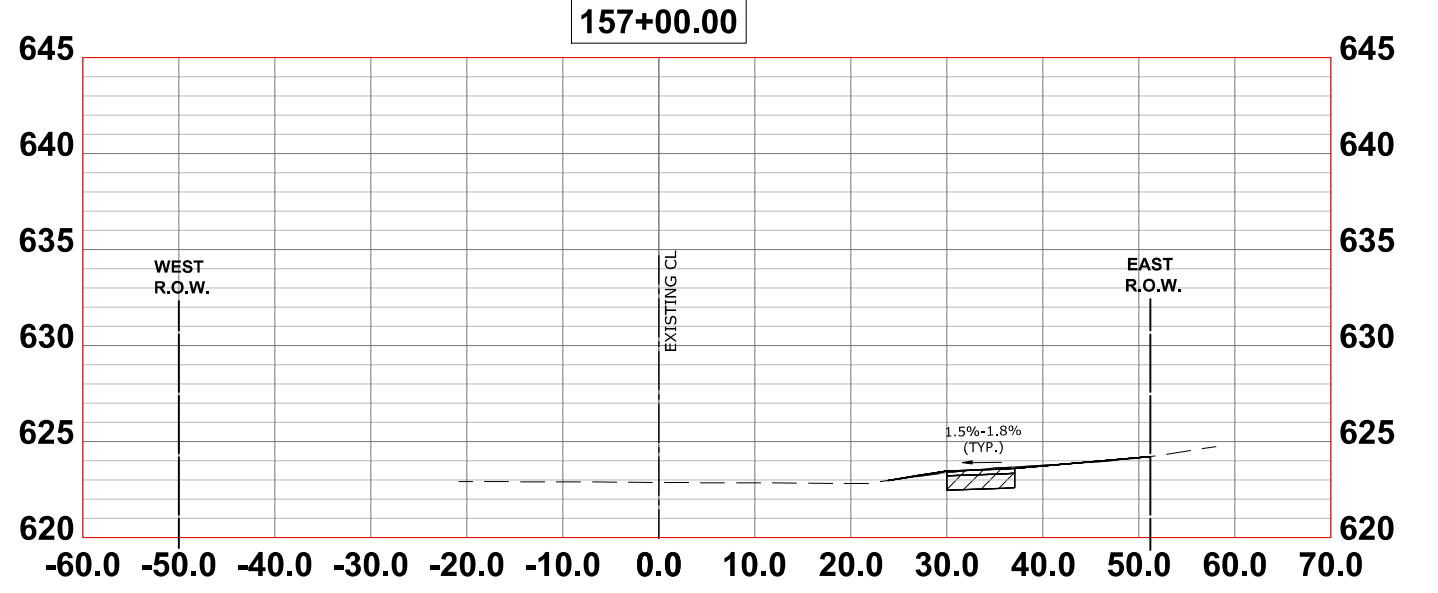
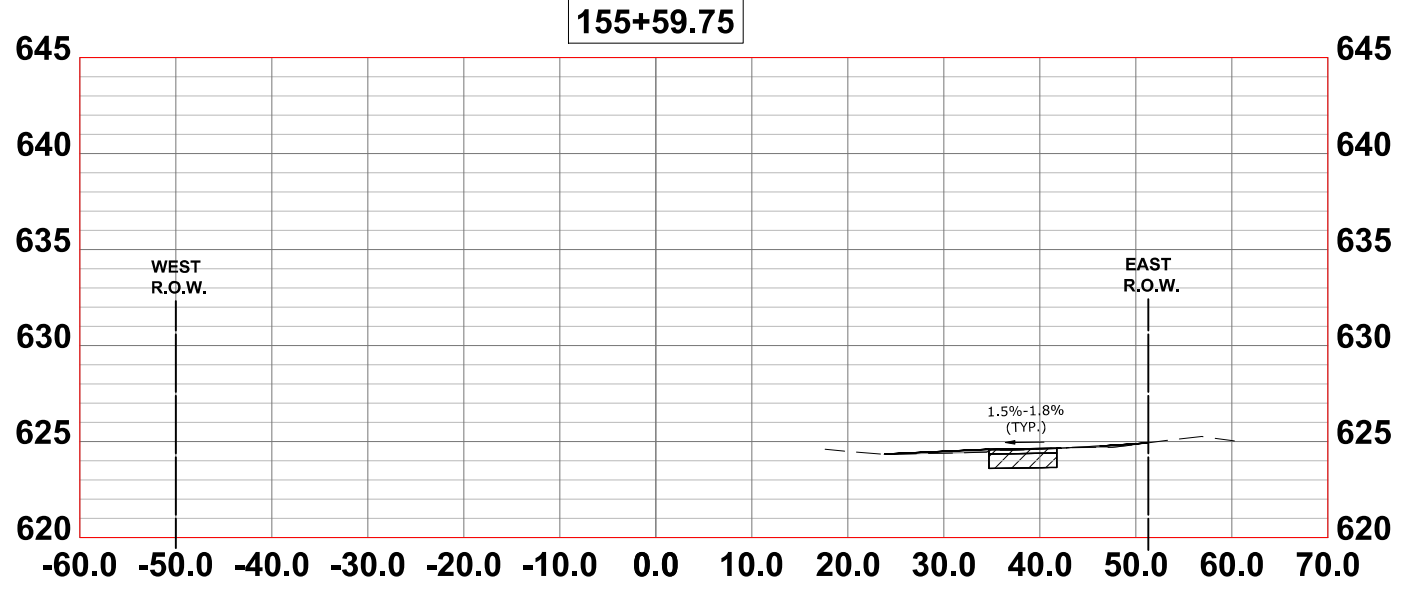
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: H:1"=10', V:1"=5'    SHEET NO. 14 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	100
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023266 - 25th Avenue Shared-use path phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



9938 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

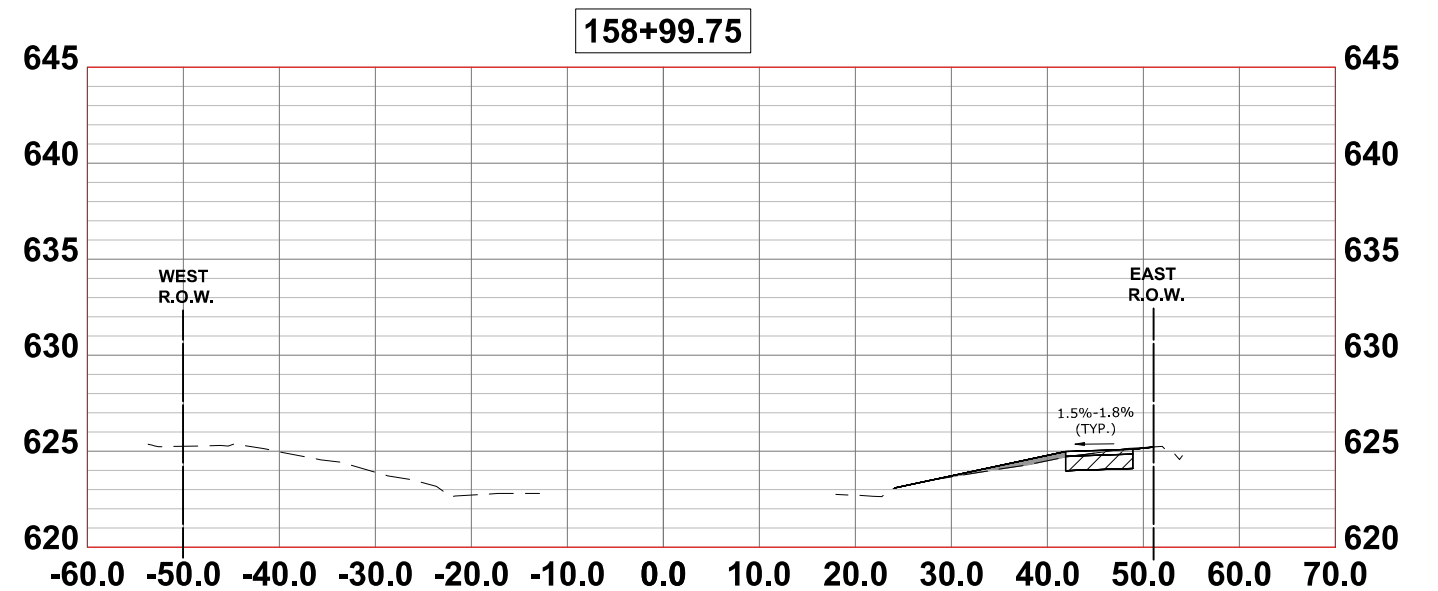
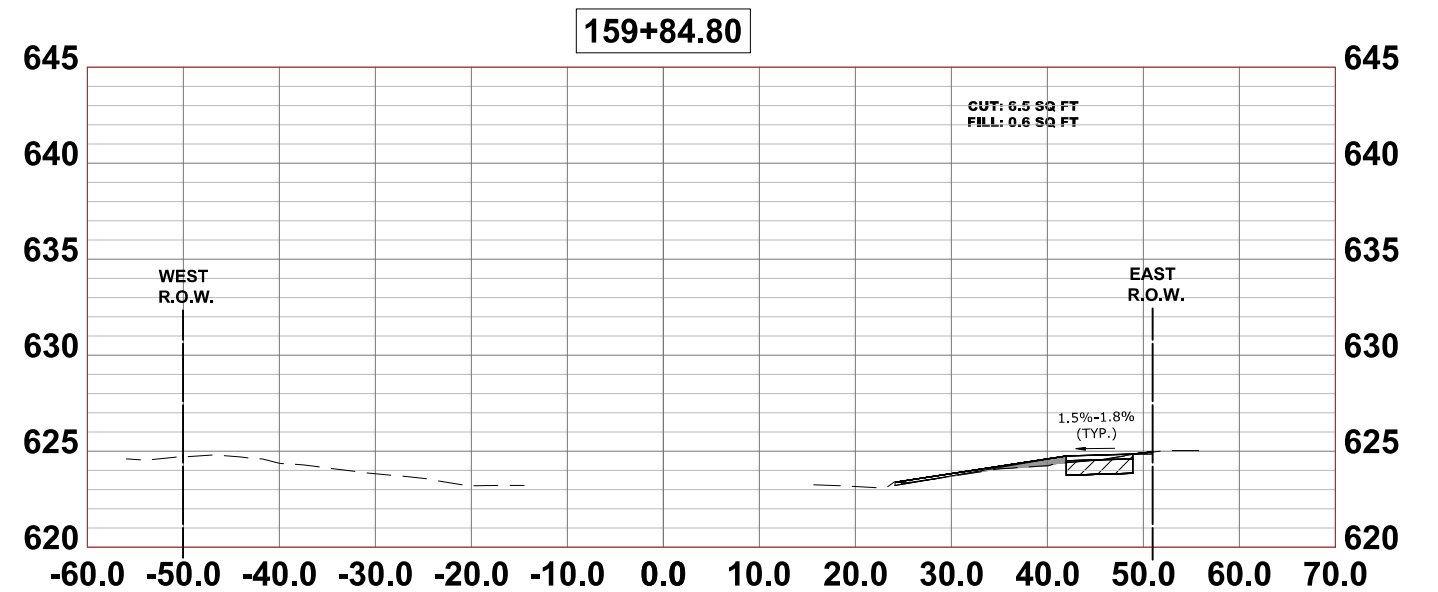
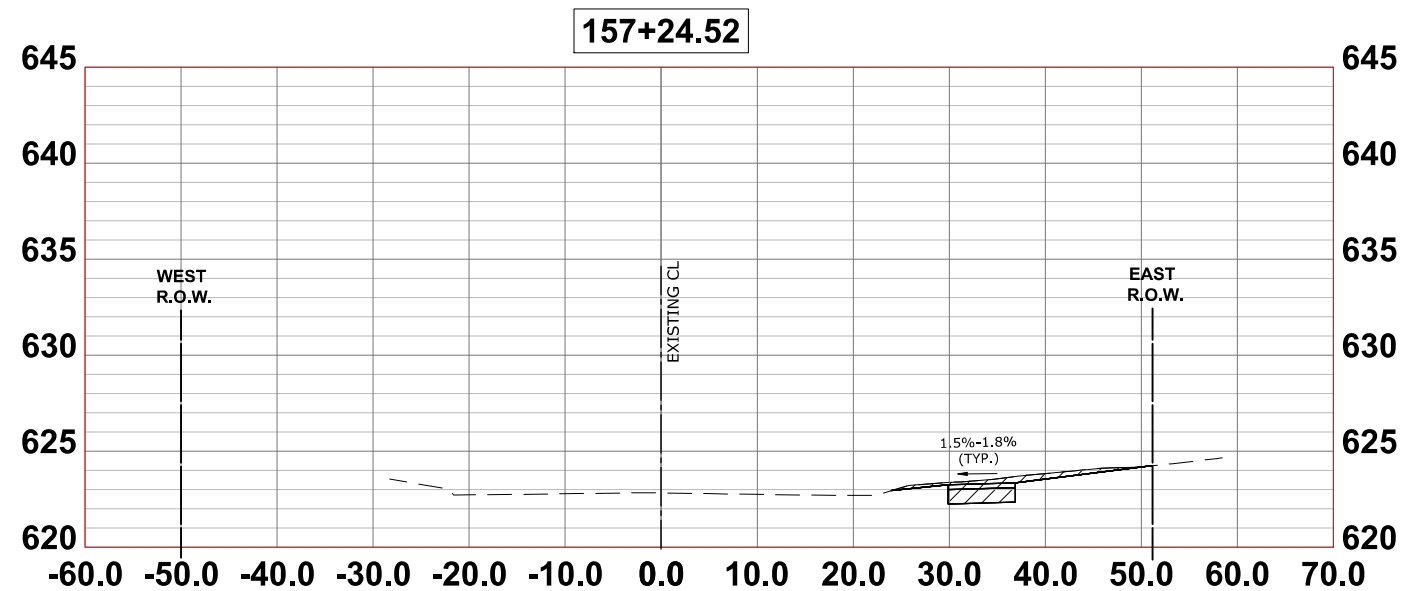
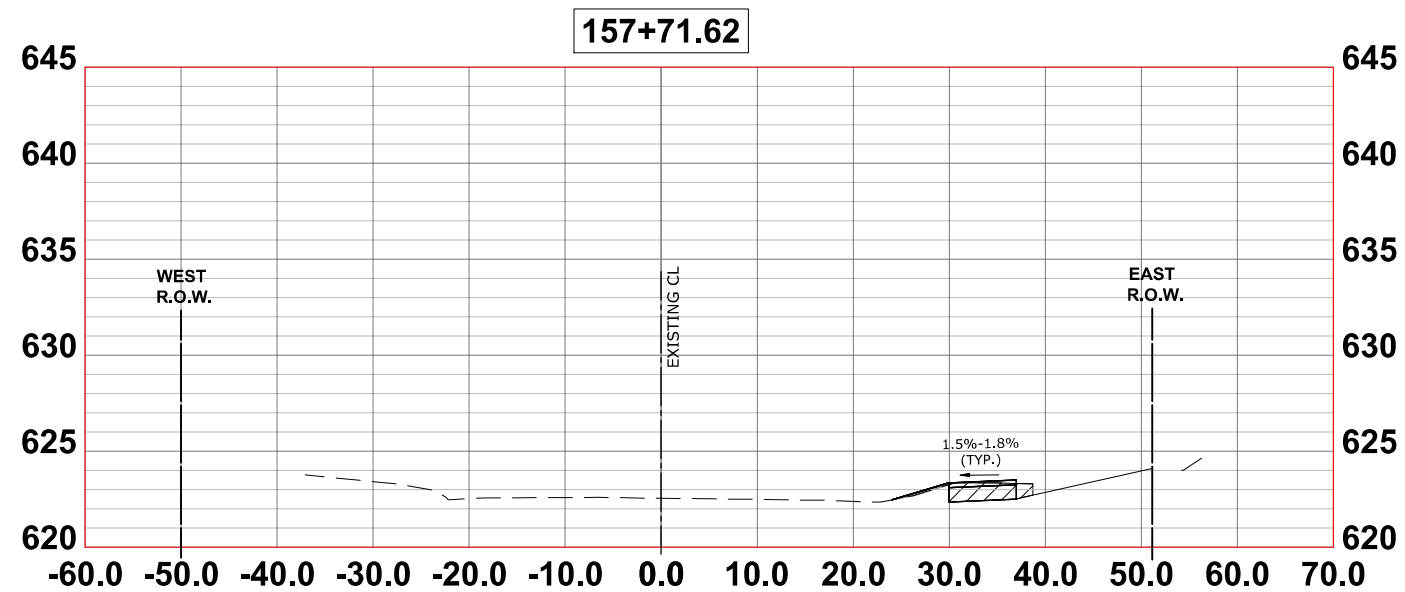
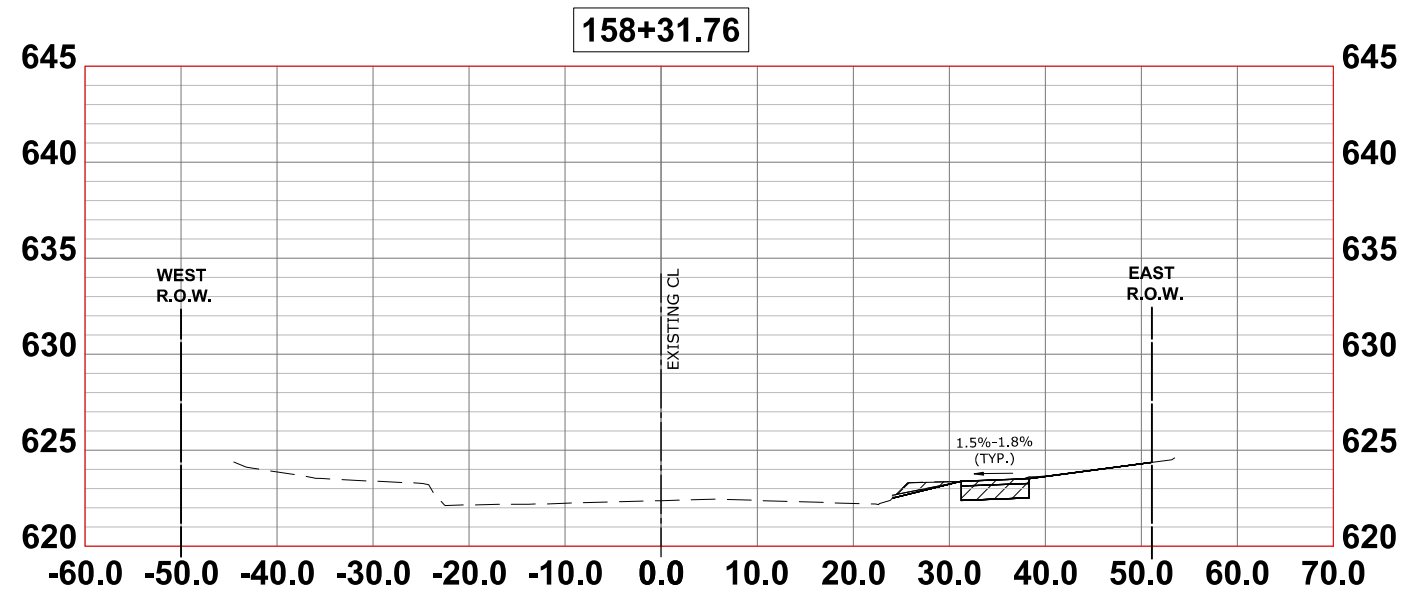
**CROSS SECTIONS**

SCALE: H:1"=10', V:1"=5'    SHEET NO. 15 OF 16 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	101
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801

Drawing file: W:\Projects\By\_Village\Broadview\12023268 - 25th Avenue Shared-Use Path Phase II\X-SECTIONS.dwg Jul 17, 2024 - 12:10pm



**HANCOCK ENGINEERING**  
 10th Years of Excellence  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9938 Roosevelt Road  
 Weechester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED -	MWV, AA	REVISED -	
DRAWN -	DMM, SFB, GD	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	6-17-24	REVISED -	7-17-24

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: H:1"=10', V:1"=5' | SHEET NO. 16 OF 16 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2714	19-00082-00-BT	COOK	102	102
CONTRACT NO. 61K72				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

E.H.E. PROJECT NO. 120-23-26801