

04-28-2023 LETTING ITEM 136

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY PLANS

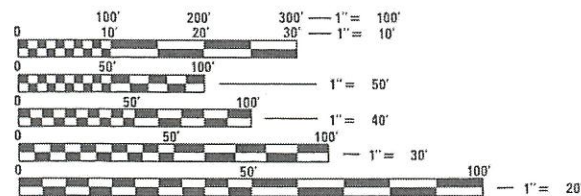
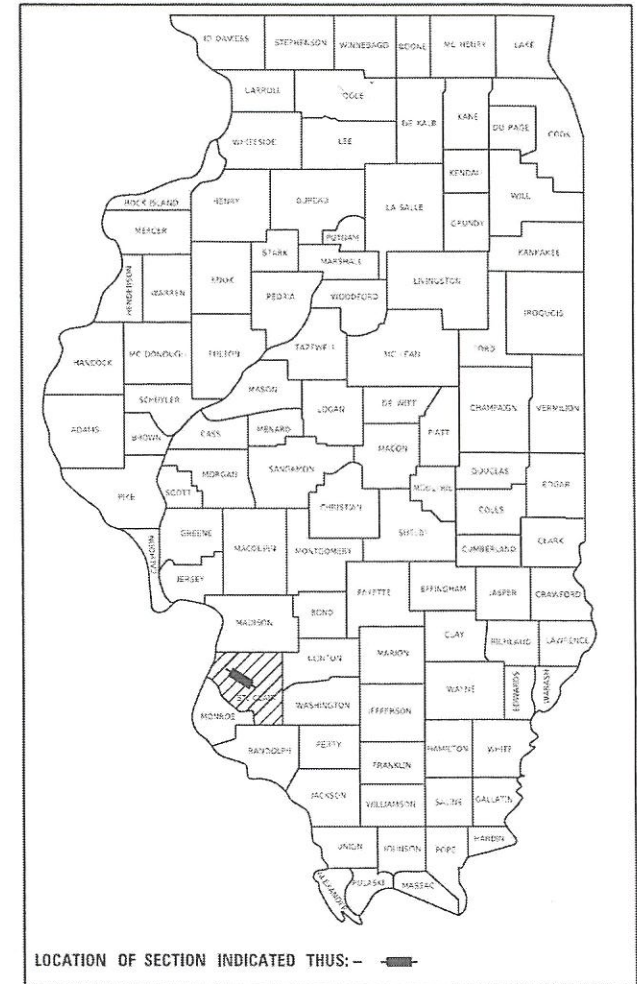
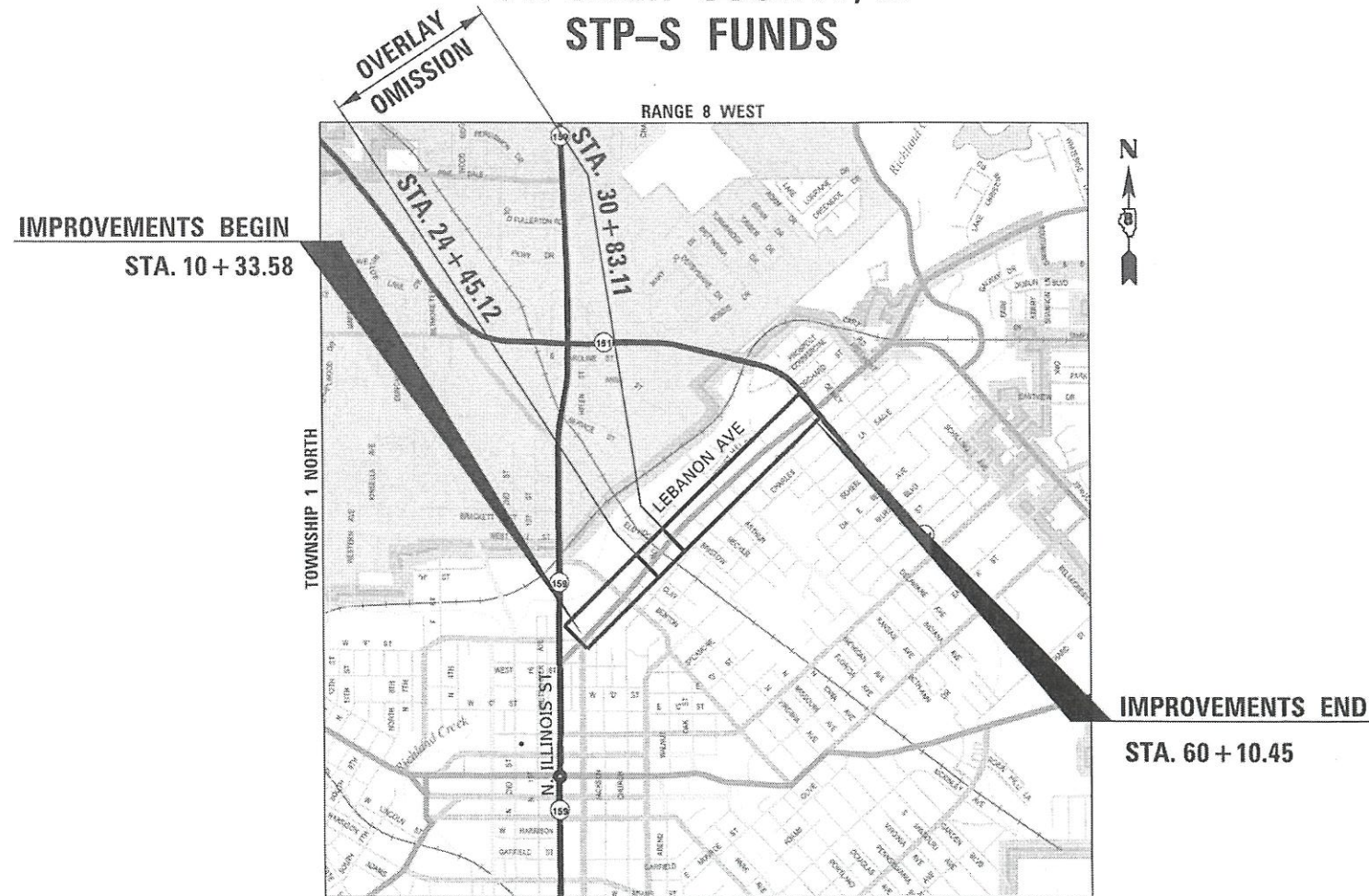
FAU ROUTE 9266
CITY OF BELLEVILLE
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
SECTION 17-00169-02-RS
PROJECT NO. ET62(727)
JOB NO. C-98-003-21
ST. CLAIR COUNTY, IL
STP-S FUNDS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	17-00169-02-RS	ST. CLAIR	55	1
FED AID PROJECT ET62(727)		ILLINOIS CONTRACT NO. 97795		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IDOT ROADWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 353001-05 PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
- 420001-10 PAVEMENT JOINTS
- 424001-11 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011-04 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424021-06 DEPRESSED CORNER FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 602601-06 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 604001-05 FRAME AND LIDS, TYPE 1
- 604016-04 FRAME AND GRATE, TYPE 4
- 604051-04 FRAME AND GRATE, TYPE 11
- 604066-02 FRAME AND LID, TYPE 15
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
- 780001-05 TYPICAL PAVEMENT MARKINGS



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

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

GROSS LENGTH = 4,976.87 FT. = 0.943 MILE
OVERLAY OMISSION LENGTH = 637.99 FT. = 0.121 MILE
NET LENGTH = 4338.88 FT. = 0.822 MILE



13 Dec 20 22
Micheal J. Velloff
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-061478
EXPIRATION DATE 11-30-2023

CITY OF BELLEVILLE, IL

APPROVED 12-13 20 22
Patty Gregory
CITY OF BELLEVILLE, MAYOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PASSED 2/17 20 23
[Signature]
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW 2/17 20 23
[Signature]
REGION 5 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Kaskaskia
Engineering Group, LLC

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Belleville, Illinois 62220
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PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

LICENSE NO.
184.004773
20-5080586

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

GENERAL NOTES

- THE ENGINEER AND OWNER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF CONTRACTOR DETERMINES THAT CONFIRMED OR DISCOVERED UTILITIES LOCATED WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
- IT IS NOT WARRANTED THAT THESE DRAWINGS CONTAIN COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHT-OF-WAYS, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.
- ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, AND TESTING ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2023. (BOTH OF WHICH WILL BE HEREINAFTER REFERRED TO IN THESE DOCUMENTS AS THE STANDARD SPECIFICATIONS (HIGHWAY)).
- ALL WORK, INSTALLATION, PROCEDURES, AND MATERIALS ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE UNITED STATES AMERICANS WITH DISABILITIES ACT.
- ALL WORKMANSHIP, EQUIPMENT, MATERIALS, AND TESTING SHALL CONFORM TO THE APPLICABLE REQUIREMENTS AND SPECIFICATIONS OF MUNICIPAL, COUNTY, STATE, COMMERCIAL ENTITY, AND FEDERAL JURISDICTIONS AND AGENCIES HAVING AUTHORITY OVER, OR INVOLVEMENT WITH, THIS PROJECT.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) HIGHWAY STANDARDS WITH THE REVISION NUMBER LISTED ON THE COVER SHEET OF THE PLANS SHALL APPLY TO THIS PROJECT. FOR CODED PAY ITEM DESCRIPTIONS, INCIDENTAL ITEMS, AND ALL MATERIAL SPECIFICATIONS, REFER TO THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CITY OF BELLEVILLE WILL PROVIDE ALL REFERENCE POINTS OR BENCHMARKS AS NEEDED BY THE CONTRACTOR TO CONSTRUCT THE IMPROVEMENTS AS PROPOSED HEREIN. CONTRACTOR SHALL PERFORM THEIR OWN CONSTRUCTION STAKING.
- ALL ELEVATIONS REFER TO NAVD 88 DATUM.
- HORIZONTAL DATUM BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AND STREETS AT ALL TIMES DURING CONSTRUCTION AT NO ADDITIONAL PAYMENT.
- THE FOLLOWING ITEM AND APPROXIMATE QUANTITY ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. QUANTITY HAS BEEN DETERMINED USING AN APPLICATION RATE OF 0.05833 TONS/SQYD/INCH.

AGGREGATE FOR TEMPORARY ACCESS 90 TON
- PATCHING QUANTITIES HAVE BEEN PROVIDED IN THE CONTRACT, WITH THE LOCATIONS TO BE DETERMINED FOLLOWING PAVEMENT SURFACE REMOVAL ACTIVITIES. THE CONTRACTOR SHALL PROVIDE THE ENGINEER A MINIMUM OF 48 HOURS TO MARK LOCATIONS ALONG THE CORRIDOR WHERE FULL DEPTH PATCHING IS REQUIRED.
- HOT-MIX ASPHALT SURFACING QUANTITIES HAVE BEEN DETERMINED USING AN APPLICATION RATE OF 112 LB/SQ YD/INCH. BITUMINOUS MATERIALS (TACK COAT) SHALL BE APPLIED TO THE EXISTING PAVEMENT AT A RATE OF 0.05 LB/SQ FT.
- OPEN STOCKPILING OF BITUMINOUS MIXTURES AT TRANSFER POINTS WILL NOT BE PERMITTED.
- THE TYPE, SIZE, AND LOCATION OF UTILITIES, AS DELINEATED IN THESE TOPOGRAPHIC LAND SURVEY DOCUMENTS AND/OR CIVIL ENGINEERING DESIGN DOCUMENTS, HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS; THEREFORE THEIR EXACT LOCATION, SIZE, AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR. ILLINOIS STATE LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123.

- THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION, OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

CITY OF BELLEVILLE (SEWER) 450 ENVIRONMENTAL DRIVE BELLEVILLE, ILLINOIS 62220 618.233.7146	ILLINOIS AMERICAN WATER (WATER) 100 N. WATERWORKS DRIVE BELLEVILLE, ILLINOIS 62220 618.277.7450
AT&T (COMM) 317 WEST MAIN STREET BELLEVILLE, ILLINOIS 62220 618.277-2288	CHARTER COMMUNICATIONS 5111 WEST MAIN STREET #12 BELLEVILLE, ILLINOIS 62223 618.277.0760
AMEREN ILLINOIS (GAS & ELECTRIC) 1050 WEST BOULEVARD BELLEVILLE, ILLINOIS 62221 800.755.5000	
- ANY FACILITIES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS, THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND RELOCATION OPERATIONS, IN ORDER THAT THE UTILITY'S OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH ALL UTILITY COMPANIES AND THE CITY OF BELLEVILLE. THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER AT LEAST 48 HOURS IN ADVANCE OF ANY OPERATION THAT REQUIRES MEASUREMENT, INSPECTION, OR APPROVAL.
- ALL EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES DETAILED ON THE IMPROVEMENT PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN. THE MAINTENANCE OF THESE EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE DEVICES THEMSELVES. MAINTENANCE SHALL CONTINUE TO BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER TAKES OWNERSHIP OF THE IMPROVEMENTS. AN NPDES PERMIT IS NOT REQUIRED.
- THE CONTRACTOR SHALL CONFINE HIS/HER OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, AND TESTING FOR EROSION AND SEDIMENTATION CONTROL ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE NRCS ILLINOIS URBAN MANUAL, CURRENT EDITION AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO ENSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL RELOCATE ALL TRAFFIC SIGNS, MAILBOXES, AND PARKING METERS IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25 AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PROJECT AND ANY DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. IN ALL LOCATIONS A 4 FOOT MINIMUM ACCESSIBLE PATH IS REQUIRED ADJACENT TO TRAFFIC SIGNS MAILBOXES, AND PARKING METERS.
- THE OFFSETS TO ALL INLETS AND MANHOLES ARE GIVEN TO NEAREST EDGE OF PAVEMENT.
- ALL TRAFFIC CONTROL (INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY, OR PERMANENT) SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED, AND/OR REMOVED ACCORDING TO SECTION 701 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND INSTALLING ANY AND ALL TRAFFIC BARRICADES, MARKERS, SIGNS, FLAGGERS AND/OR OTHER FACILITIES AS MAY BE REQUIRED BY THE VARIOUS JURISDICTIONS HAVING AUTHORITY OVER THIS PROJECT TO PROTECT THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE LOCAL POLICE, EMERGENCY SERVICE AGENCIES, AMBULANCE SERVICES, FIRE DEPARTMENTS, AND SCHOOL BUS SERVICES OF ANY PROPOSED TRAFFIC DIVERSION.
- ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING.

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- 53-55 MISCELLANEOUS DETAILS

- ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING.
- ALL DEWATERING REQUIRED FOR CONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL ITEMS TO BE REMOVED FROM THE WORKSITE, INCLUDING SURPLUS UNSTABLE AND UNSUITABLE MATERIAL RESULTING FROM DEMOLITION, EXCAVATION, OR OTHER CONTRACTOR ACTIVITIES, SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN COMPLIANCE WITH ALL MUNICIPAL, STATE AND FEDERAL REGULATIONS AT THE CONTRACTOR'S EXPENSE.
- ALL WORK, MATERIALS, AND INSTALLATION SHALL NOT BE DEEMED SATISFACTORY UNTIL SUCH TIME AS ALL APPROVALS ARE OBTAINED FROM THE MUNICIPALITY OR ENTITY HAVING JURISDICTION OVER THE PROJECT.
- ALL EXISTING FRAMES AND LIDS REMOVED SHALL BE RETURNED TO THE CITY.
- COMMITMENTS: NONE

HOT-MIX ASPHALT MIXTURE DESIGN TABLE	
LOCATION(S):	LEBANON AVENUE
MIXTURE USE(S)	SURFACE COURSE
PG:	PG 64-22
DESIGN VOIDS:	4.0% NDES = 70
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	MIXTURE "D"
MIXTURE WEIGHT:	112.0 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCP
SUBLOT SIZE:	1000
MATERIAL TRANSFER DEVICE (REQD)	NO

208 E. Main St., Suite 100
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Kaskaskia
Engineering Group, LLC

PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

LICENSE NO.
194.004773
20-5080586

PREPARED BY: _____

SEAL

Signature: _____

Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: **GENERAL NOTES & COMMITMENTS**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220**

DESIGNED BY: RJO

DRAWN BY: RJO

CHECKED BY: MJV

DATE OF PRELIMINARY: 06/10/2022

DATE OF FINAL: _____

SHEET 2

SHEET NO. 2 OF 55 SHEETS
PROJECT NUMBER 21-1004

FILE: P:\21-1004\00 Lebanon Ave@ IDOT\CAD Sheets\21-1004_001 Lebanon Ave_Sht_002 - GenNotes.dgn

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				75% FED 25% CITY	
				ROADWAY	
				0005	
				URBAN	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	134	134	
20200100	EARTH EXCAVATION	CU YD	140	140	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,244	1,244	
25000110	SEEDING, CLASS 1A	ACRE	0.5	0.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27	27	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	27	27	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	27	27	
25100115	MULCH, METHOD 2	ACRE	0.5	0.5	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30	30	
28000500	INLET AND PIPE PROTECTION	EACH	16	16	
28000510	INLET FILTERS	EACH	18	18	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	90	90	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,108	8,108	
40600990	TEMPORARY RAMP	SQ YD	80	80	

* SPECIALTY ITEM

* SPECIALTY ITEM

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△		

SUMMARY OF QUANTITIES

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 3
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	

SHEET NO. 3 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				75% FED 25% CITY	
				ROADWAY	
				0005	
				URBAN	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,018	2,018	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	139	139	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	69	69	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	4,015	4,015	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2,861	2,861	
42400800	DETECTABLE WARNINGS	SQ FT	358	358	
44000100	PAVEMENT REMOVAL	SQ YD	184	184	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	17,811	17,811	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	180	180	
44000600	SIDEWALK REMOVAL	SQ FT	6,772	6,772	
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	5	5	
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	134	134	
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	15	15	
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	54	54	

* SPECIALTY ITEM

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PREPARED BY:

SEAL

Signature: _____

Expiration Date: _____

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SHEET TITLE:

**LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220**

DESIGNED BY: RJO
DRAWN BY: RJO
CHECKED BY: MJV
DATE OF PRELIMINARY: 08/10/2022
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SHEET

4

SHEET NO. 4 OF 55 SHEETS
PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				75% FED 25% CITY	
				ROADWAY	
				0005	
				URBAN	
56109210	WATER VALVES TO BE ADJUSTED	EACH	13	13	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	20	20	
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	14	14	
60260100	INLETS TO BE ADJUSTED	EACH	13	13	
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1	
67100100	MOBILIZATION	L SUM	1	1	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	33	33	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12	
* 72900100	METAL POST - TYPE A	FOOT	24	24	
* 72900200	METAL POST - TYPE B	FOOT	85	85	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	156	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,357	5,357	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	885	885	

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	5
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	

SHEET NO. 5 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				75% FED 25% CITY	ROADWAY
				0005	URBAN
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	553	553	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	109	109	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	110	110	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	167	167	
X0322024	TRENCH DRAIN	EACH	1	1	
X8030106	LOCATING UNDERGROUND UTILITIES	FOOT	1,000	1,000	
X4402400	CURB REMOVAL (SPECIAL)	FOOT	3,127	3,127	
X6026800	INLETS TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1	
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	2,332	2,332	
X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	948	948	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0012450	CONCRETE STEPS	CU YD	1	1	
Z0012455	CONCRETE STEP REMOVAL	EACH	1	1	
# Z0076600	TRAINEES	HOURL	500		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500		

* SPECIALTY ITEM
#0042

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LICENSE NO. 184-004773
20-5080586



PREPARED BY:
SEAL
Signature: _____
Expiration Date: _____

REV.	DATE	DESCRIP
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△		

SHEET TITLE:
SUMMARY OF QUANTITIES
PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220**

DESIGNED BY: RJO
DRAWN BY: RJO
CHECKED BY: MJV
DATE OF PRELIMINARY: 08/10/2022
DATE OF FINAL:

SHEET NO. 6 OF 55 SHEETS
PROJECT NUMBER 21-1004

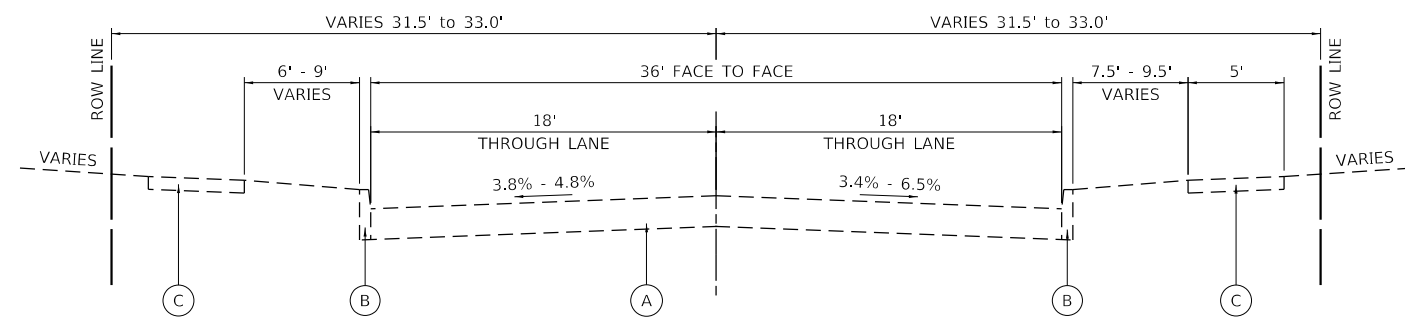
F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-RS	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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Kaskasia
 Engineering Group, LLC

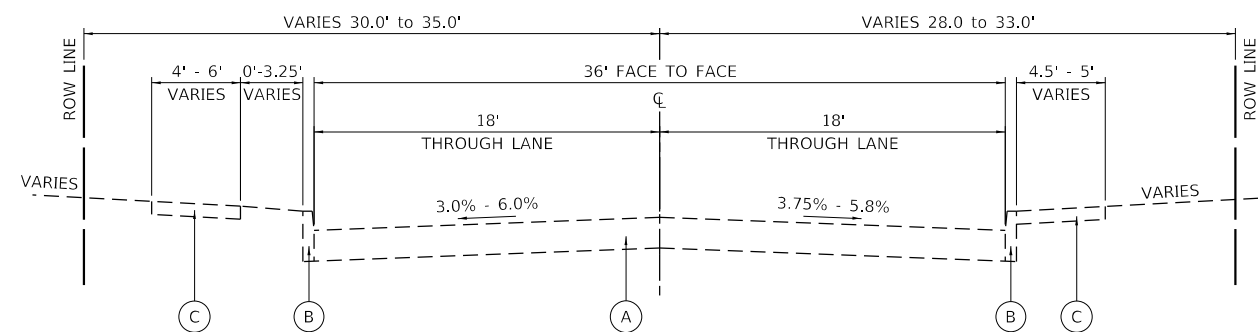
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 Professional Engineering Group

LICENSE NO. 184-004773
 20-5080586



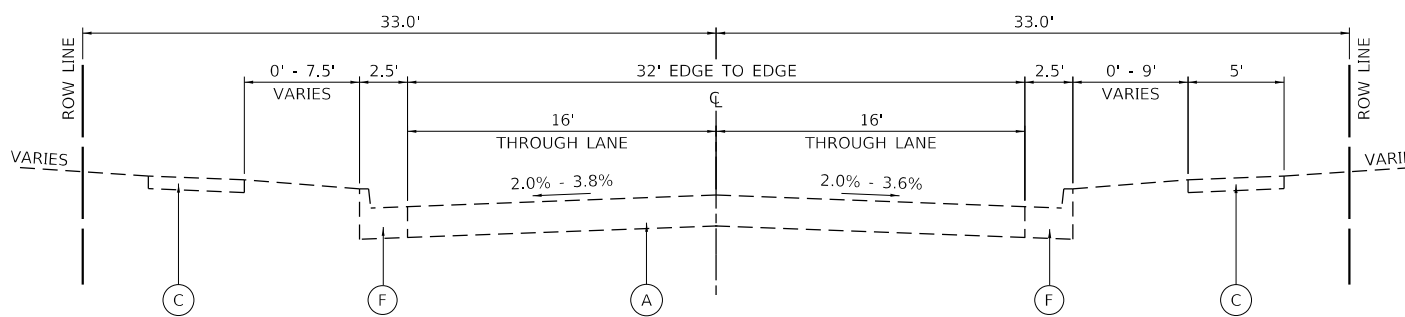
EXISTING TYPICAL SECTION - LEBANON AVENUE

STA 10+00 TO STA 24+45.12



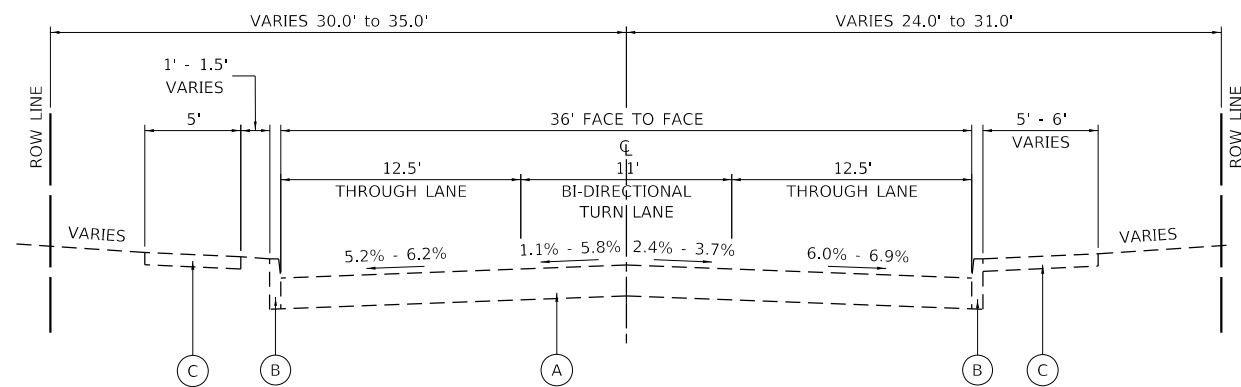
EXISTING TYPICAL SECTION - LEBANON AVENUE

STA 30+83.11 TO STA 47+70



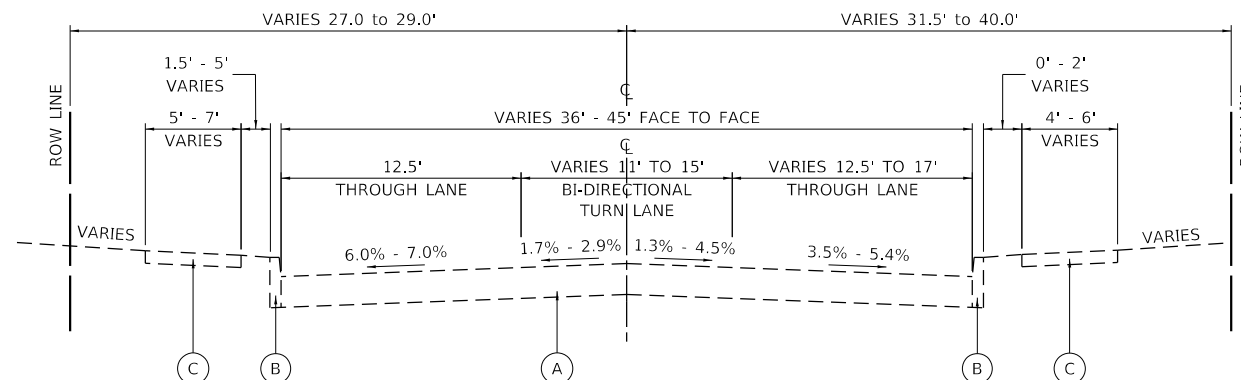
EXISTING TYPICAL SECTION - LEBANON AVENUE

STA 24+45.12 TO STA 24+76
 STA 30+22 TO STA 30+83.11



EXISTING TYPICAL SECTION - LEBANON AVENUE

STA 47+70 TO STA 53+10



EXISTING TYPICAL SECTION - LEBANON AVENUE

STA 53+10 TO STA 60+10.45

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING BARRIER CURB, 6"
- (C) EXISTING SIDEWALK
- (D) EXISTING MSE WALL
- (E) EXISTING PCC PAVEMENT
- (F) EXISTING COMBINATION CURB & GUTTER

PREPARED BY:

SEAL

Signature: _____

Expiration Date: _____

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EXISTING TYPICAL SECTIONS

LEBANON AVENUE IMPROVEMENTS

HIGH STREET EAST TO ILLINOIS ROUTE 161

BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 8
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 8 OF 55 SHEETS
 PROJECT NUMBER 21-1004

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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-RS	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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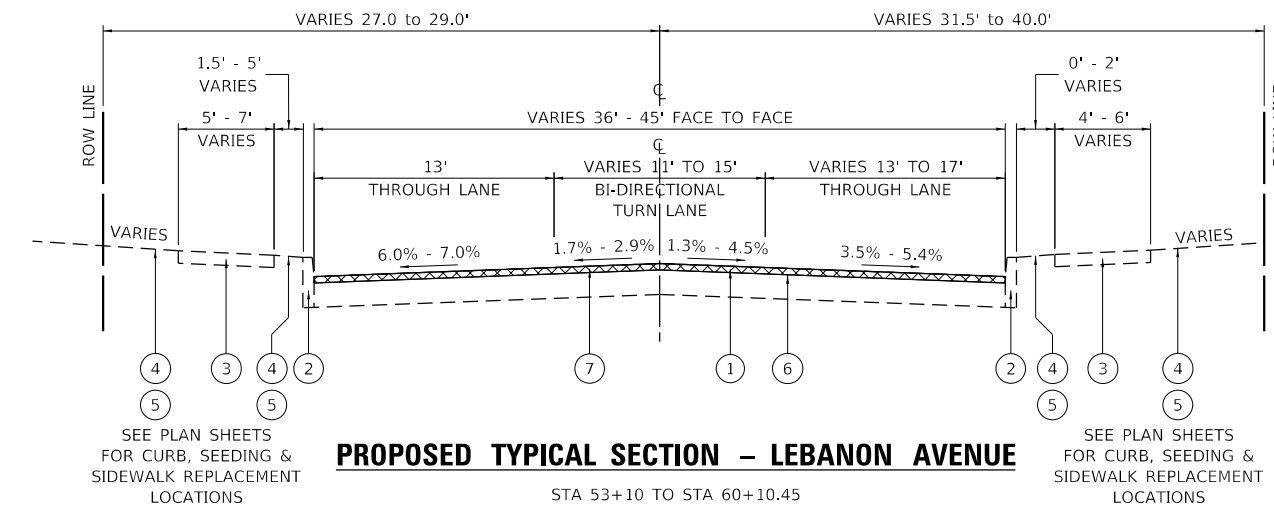
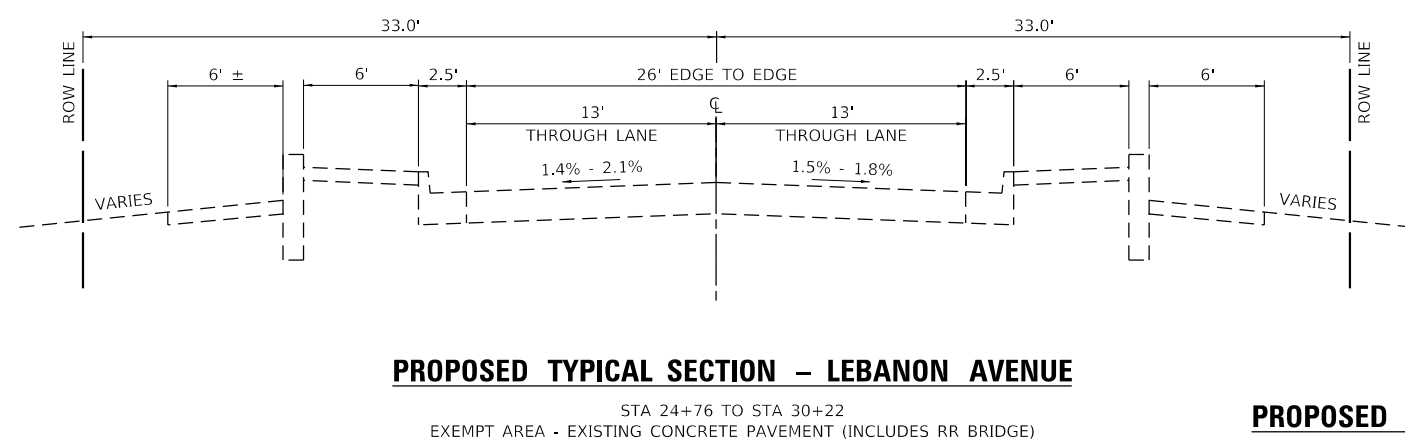
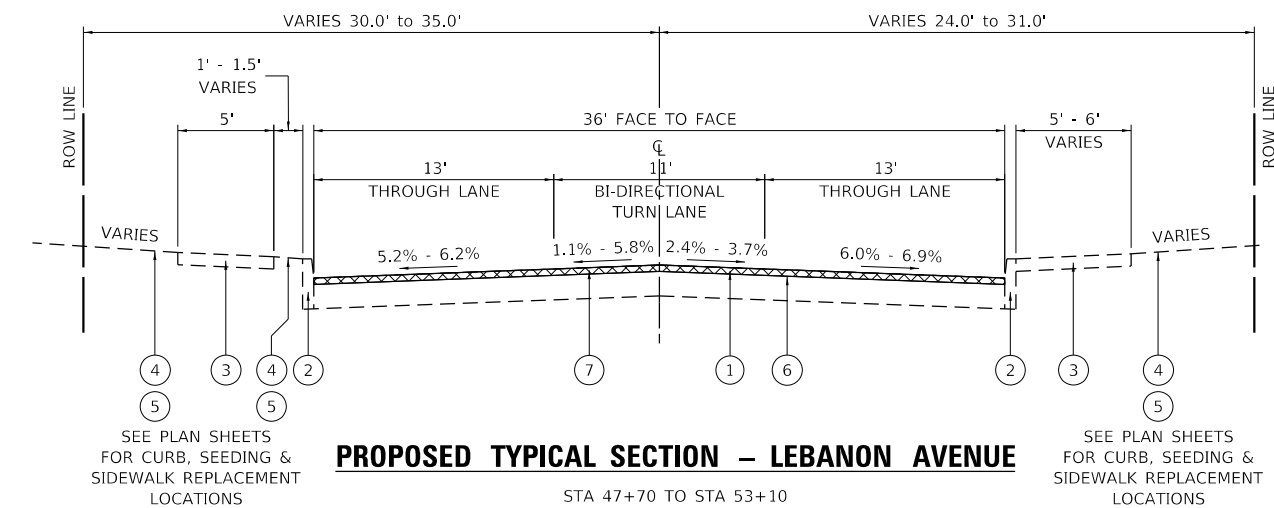
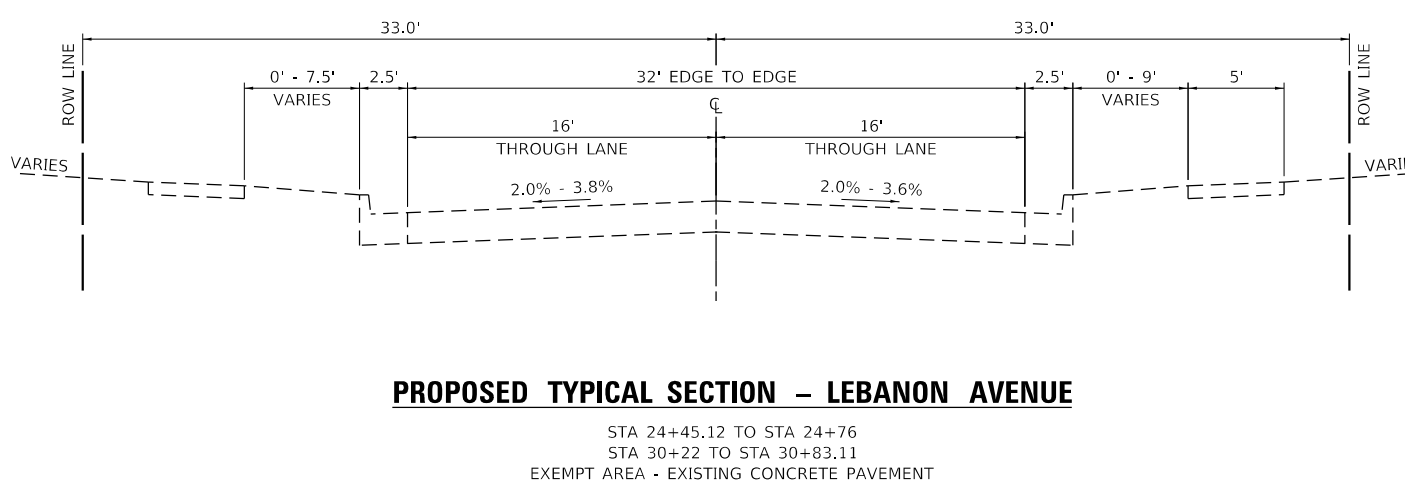
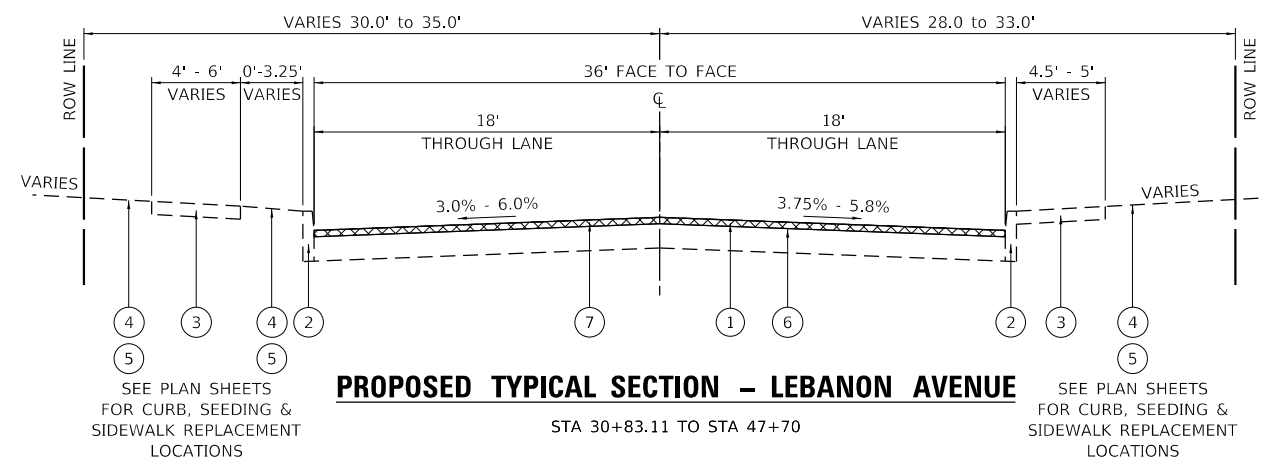
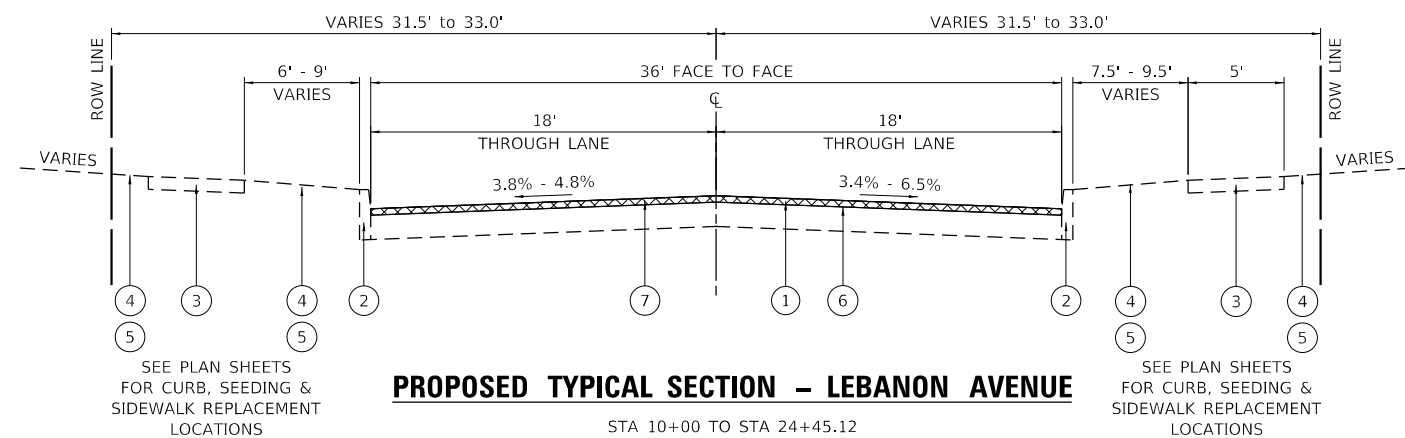
PROPOSED TYPICAL SECTIONS

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

SHEET TITLE: _____
 PROJECT TITLE: _____

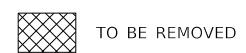
DESIGNED BY: RJO	SHEET 9
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL: _____	

SHEET NO. 9 OF 55 SHEETS
 PROJECT NUMBER 21-1004



PROPOSED LEGEND

- ① HMA SURFACE COURSE, 1L-9.5, MIX "D", N70, 2"
- ② CONCRETE CURB, TYPE B (SPECIAL) OR COMBINATION CONCRETE CURB & GUTTER, TYPE B (SPECIAL)
- ③ PCC SIDEWALK, 4"
- ④ TOPSOIL FURNISH AND PLACE, 4"
- ⑤ SEEDING AS SPECIFIED
- ⑥ BITUMINOUS MATERIALS (TACK COAT) @ A RATE OF 0.05 LB/SQ FT
- ⑦ HOT-MIX ASPHALT SURFACE REMOVAL, 2"



CALCULATION/APPLICATION RATES
 AGGREGATE BASE COURSE, TYPE A 0.05833 TONS/SQ YD/INCH (OR 2.1 TONS/CU YD)
 TACK COAT 0.05 LB/SQ FT
 ASPHALT 112 LB/SQ YD/IN

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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

EARTHWORK									
				EARTH EXCAVATION	SUITABLE EARTH EXCAVATION ADJ. FOR SHRINKAGE	EMBANKMENT (NOT A PAY ITEM)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH AND PLACE 4"	
SQ FT				CU YD	CU YD	CU YD	CU YD	SQ YD	
STATION	TO	STATION	LT					RT	SEE NOTE 4
10+33.6		15+60.0	2016.1	1615.1	44.9	33.7	0	44.9	403.5
15+60.0		21+20.0	1683.5	1260.4	36.4	26.6	0	36.4	327.1
21+20.0		24+45.1	1389.8	671.1	25.5	19.1	0	25.5	229.0
24+45.1		26+80.0							
26+80.0		30+83.1							
30+83.1		32+40.0	135.8	31.8	2.1	1.6	0	2.1	18.7
32+40.0		38+00.0	111.2	20.0	1.7	1.3	0	1.7	14.6
38+00.0		43+60.0	255.5	290.9	6.8	5.1	0	6.8	60.8
43+60.0		49+20.0	37.1	153.9	2.4	1.8	0	2.4	21.3
49+20.0		54+80.0	655.5	109.6	9.5	7.1	0	9.5	85.1
54+80.0		60+10.5	623.7	128.4	9.3	7.0	0	9.3	83.6
SUB-TOTALS					138.6	103.3	0	138.6	1243.7
ADJ. TOTALS					140.0	105.0	0	140.0	1244.0
					CU YD	CU YD	CU YD	CU YD	SQ YD

NOTES:

- SHRINKAGE/LOSS FACTOR = 25%
- SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE = (EARTH EXCAVATION) x 0.75
- THIS ANALYSIS DOES NOT REFLECT THE EXCAVATION REQUIRED AND THE SUITABLE EARTH EXCAVATION AVAILABLE FROM VARIOUS OTHER ITEMS OF WORK INCLUDED ON THIS PROJECT.
- EXCAVATION/SEEDING IS ESTIMATED AT AN APPROXIMATE OVER DIG LIMIT OF 1' TO 2' OUTSIDE OF SIDEWALK/CURB LIMITS BEING REPLACED TO ALLOW FOR THE REQUIRED FORM WORK ASSOCIATED WITH THE CONSTRUCTION OF SAID SIDEWALK/CURB. THE DEPTH IS ESTIMATED AT 4". IT IS ASSUMED WORK SHALL REMAIN INSIDE OF THE RIGHT OF WAY LIMITS.
- TOPSOIL IS BEING ESTIMATED AND INCLUDED ON THIS PROJECT. THE ENGINEER SHALL DETERMINE IF THE EXCAVATED MATERIAL (EARTHWORK) IS SUITABLE TO USE AS THE BACKFILL MATERIAL PRIOR TO BRINGING IN THE TOPSOIL PAY ITEM.

TEMPORARY EROSION CONTROL									
				TEMPORARY EROSION CONTROL SEEDING	INLET AND PIPE PROTECTION	INLET FILTERS			
SQ FT				POUND	EACH	EACH			
STATION	TO	STATION	LT				RT		
10+33.6		15+60.0	2016.1	1615.1	9.0		4.0		
15+60.0		21+20.0	1683.5	1260.4	7.0		2.0		
21+20.0		24+45.1	1389.8	671.1	5.0		2.0		
24+45.1		26+80.0							
26+80.0		30+83.1							
30+83.1		32+40.0	135.8	31.8	1.0	1.0			
32+40.0		38+00.0	111.2	20.0	1.0	5.0	1.0		
38+00.0		43+60.0	255.5	290.9	2.0	4.0	1.0		
43+60.0		49+20.0	37.1	153.9	1.0	4.0			
49+20.0		54+80.0	655.5	109.6	2.0				
54+80.0		60+10.5	623.7	128.4	2.0	2.0	8.0		
SUB-TOTALS					30.0	16.0	18.0		
ADJ. TOTALS					30.0	16.0	18.0		
					POUND	EACH	EACH		

SEEDING									
				SEEDING CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	
SQ FT				ACRE	POUND	POUND	POUND	ACRE	
STATION	TO	STATION	LT					RT	
SEE NOTE 4									
10+33.6		15+60.0	2016.1	1615.1	0.09	8.1	8.1	8.1	0.09
15+60.0		21+20.0	1683.5	1260.4	0.07	6.3	6.3	6.3	0.07
21+20.0		24+45.1	1389.8	671.1	0.05	4.5	4.5	4.5	0.05
24+45.1		26+80.0							
26+80.0		30+83.1							
30+83.1		32+40.0	135.8	31.8	0.01	0.9	0.9	0.9	0.01
32+40.0		38+00.0	111.2	20.0	0.01	0.9	0.9	0.9	0.01
38+00.0		43+60.0	255.5	290.9	0.02	1.8	1.8	1.8	0.02
43+60.0		49+20.0	37.1	153.9	0.01	0.9	0.9	0.9	0.01
49+20.0		54+80.0	655.5	109.6	0.02	1.8	1.8	1.8	0.02
54+80.0		60+10.5	623.7	128.4	0.02	1.8	1.8	1.8	0.02
SUB-TOTALS					0.30	27.0	27.0	27.0	0.30
ADJ. TOTALS					0.50	27.0	27.0	27.0	0.50
					ACRE	POUND	POUND	POUND	ACRE

TREE REMOVAL					
					TREE REMOVAL (OVER 15 UNITS DIAMETER)
DIAMETER INCHES					UNITS
STATION	TO	STATION	LT	RT	
11+92.9			24.0		24.0
13+00.3			29.0		29.0
13+33.4			24.0		24.0
13+60.9			30.0		30.0
13+83.1			27.0		27.0
SUB-TOTALS					134.0
ADJ. TOTALS					134.0
					UNITS

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PREPARED BY: _____
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 Signature: _____
 Expiration Date: _____

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SHEET TITLE:
SCHEDULE OF QUANTITIES

PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 10
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 10 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

UTILITY ADJUSTMENTS			
STATION	LT/RT	WATER VALVES TO BE ADJUSTED	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED
		EACH	EACH
18+02.4	RT	1.0	
18+12.8	RT	1.0	
32+30.0	RT	1.0	
32+58.0	RT	1.0	
47+91.2	RT	1.0	
48+01.0	RT	1.0	
49+85.7	RT	1.0	
53+27.0	RT	1.0	
53+70.5	RT	1.0	
55+80.3	RT	1.0	
56+61.9	LT	1.0	
56+98.6	RT	1.0	
58+49.4	RT	1.0	
10+44.4	LT		1.0
10+96.3	RT		1.0
11+63.9	LT		1.0
12+22.1	RT		1.0
12+81.9	LT		1.0
13+18.2	LT		1.0
14+28.6	LT		1.0
15+86.8	LT		1.0
16+37.6	LT		1.0
17+70.1	LT		1.0
18+73.4	LT		1.0
18+98.8	RT		1.0
19+11.3	RT		1.0
19+75.5	RT		1.0
20+12.4	RT		1.0
32+21.1	LT		1.0
38+23.7	LT		1.0
40+97.2	RT		1.0
49+51.5	RT		1.0
49+54.2	RT		1.0
SUB-TOTALS		13.0	20.0
ADJ. TOTALS		13.0	20.0
		EACH	EACH

SEWER ADJUSTMENTS						
STATION	LT/RT	MANHOLES TO BE ADJUSTED	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	INLETS TO BE ADJUSTED	INLETS TO BE RECONSTRUCTED	INLETS TO BE RECONSTRUCTED (SPECIAL)
		EACH	EACH	EACH	EACH	EACH
11+05.1	RT	1.0				
11+07.3	LT	1.0				
14+61.9	LT	1.0				
14+65.3	RT	1.0				
17+93.1	LT	1.0				
11+04.3	LT		1.0			
14+61.1	LT		1.0			
17+75.9	RT		1.0			
21+25.2	RT		1.0			
32+21.2	LT		1.0			
35+77.8	LT		1.0			
39+15.7	LT		1.0			
42+21.8	LT		1.0			
47+67.3	LT		1.0			
51+22.8	LT		1.0			
53+22.1	LT		1.0			
56+41.9	LT		1.0			
59+68.1	LT		1.0			
59+92.4	RT		1.0			
11+05.1	RT			1.0		
11+07.8	LT			1.0		
14+62.1	LT			1.0		
18+00.9	LT			1.0		
35+94.2	RT			1.0		
38+88.7	RT			1.0		
56+28.5	RT			1.0		
56+28.8	LT			1.0		
57+71.6	RT			1.0		
58+52.1	RT			1.0		
58+55.8	LT			1.0		
59+38.0	LT			1.0		
59+39.0	RT			1.0		
14+64.8	RT				1.0	
57+62.3	LT					1.0
SUB-TOTALS		5.0	14.0	13.0	1.0	1.0
ADJ. TOTALS		5.0	14.0	13.0	1.0	1.0
		EACH	EACH	EACH	EACH	EACH

ROADWAY REMOVAL ITEMS							
STATION	TO	STATION	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	DRIVEWAY PAVEMENT REMOVAL	CURB REMOVAL (SPECIAL)	SIDEWALK REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			SQ YD	SQ YD	FOOT	SQ FT	EACH
10+33.6		15+60.0	2103.8	69.1	528.4	2107.7	22.0
15+60.0		21+20.0	2234.5	47.0	832.2	1404.9	20.0
21+20.0		24+45.1	1374.0		261.4	964.3	8.0
24+45.1		26+80.0					
26+80.0		30+83.1					
30+83.1		32+40.0	640.1	12.1	174.2	133.7	4.0
32+40.0		38+00.0	2339.2	2.0	132.3	514.6	16.0
38+00.0		43+60.0	2320.0	24.2	199.6	620.7	23.0
43+60.0		49+20.0	2349.2	15.9	372.9	325.0	22.0
49+20.0		54+80.0	2274.9	4.4	372.6	700.7	26.0
54+80.0		60+10.5	2174.4	4.8	252.7		26.0
SUB-TOTALS			17810.1	179.6	3126.3	6771.6	167.0
ADJ. TOTALS			17811.0	180.0	3127.0	6772.0	167.0
			SQ YD	SQ FT	FOOT	SQ FT	EACH

PAVEMENT PATCHING								
STATION	TO	STATION	SQ FT		CLASS C PATCHES, TYPE I, 10 INCH	CLASS C PATCHES, TYPE II, 10 INCH	CLASS C PATCHES, TYPE III, 10 INCH	CLASS C PATCHES, TYPE IV, 10 INCH
			LT	RT	SQ YD	SQ YD	SQ YD	SQ YD
33+39.3		33+44.3		10.0	1.1			
52+41.6		52+55.2		26.9	3.0			
32+64.8		33+04.0		78.4		8.7		
37+83.3		38+24.3	82.0			9.1		
38+76.2		39+09.5	66.6			7.4		
44+29.8		44+78.7	97.8			10.9		
45+07.8		45+42.6		69.7		7.7		
45+90.5		46+48.8		116.6		13.0		
46+94.2		47+21.2	54.0			6.0		
47+33.0		47+75.3	84.9			9.4		
50+60.8		50+90.3	59.3			6.6		
52+71.3		53+29.0		115.3		12.8		
54+27.2		54+67.7		80.8		9.0		
55+48.4		55+92.5		88.5		9.8		
56+24.9		56+88.6		127.3		14.1		
57+30.2		57+70.2		80.0		8.9		
45+02.7		45+68.4	131.3				14.6	
53+48.7		55+89.3	480.2					53.4
SUB-TOTALS					4.1	133.5	14.6	53.4
ADJ. TOTALS					5.0	134.0	15.0	54.0
					SQ YD	SQ YD	SQ YD	SQ YD

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PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 12
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 12 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

COMBINATION CONCRETE CURB AND GUTTER & CONCRETE CURB					
				CONCRETE CURB, TYPE B (SPECIAL)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)
STATION	TO	STATION		FOOT	FOOT
10+33.6		15+60.0		532.4	10.3
15+60.0		21+20.0		640.2	289.1
21+20.0		24+45.1		234.1	27.6
24+45.1		26+80.0			
26+80.0		30+83.1			
30+83.1		32+40.0			174.1
32+40.0		38+00.0		60.5	71.9
38+00.0		43+60.0		57.6	143.7
43+60.0		49+20.0		277.1	96.5
49+20.0		54+80.0		272.0	119.0
54+80.0		60+10.5		257.0	15.3
SUB-TOTALS				2331.0	947.5
ADJ. TOTALS				2332.0	948.0
				FOOT	FOOT

PAVEMENT MARKING & RAISED REFLECTIVE PAVEMENT MARKERS										
					THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER
					SQ FT		FOOT	FOOT	FOOT	EACH
STATION	TO	STATION	LT	RT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH
10+33.6		15+60.0				131.6				7.0
15+60.0		21+20.0				123.0	205.8	225.3	39.5	6.0
21+20.0		24+45.1				603.9	77.1	25.2		7.0
24+45.1		26+80.0								
26+80.0		30+83.1								
30+83.1		32+40.0				313.7	72.8	14.5		4.0
32+40.0		38+00.0				585.8	158.7	95.4	36.7	9.0
38+00.0		43+60.0				140.0	128.1	25.9		7.0
43+60.0		49+20.0				754.2	148.0	70.2		13.0
49+20.0		54+80.0			78.0	1378.0	94.4	96.1	32.1	31.0
54+80.0		60+10.5			78.0	1326.3			0.0	26.0
SUB-TOTALS					156.0	5356.5	884.9	552.5	108.3	110.0
ADJ. TOTALS					156.0	5357	885.0	553.0	109.0	110.0
					SQ FT	FOOT	FOOT	FOOT	FOOT	EACH

SIGN & POST SCHEDULE									
					SIGN PANEL TYPE 1	REMOVE SIGN PANEL ASSEMBLY TYPE A	METAL POST TYPE A	METAL POST TYPE B	
					DIMENSIONS		FOOT	FOOT	DESCRIPTION
STATION	LT/RT	TYPE	WIDTH	HEIGHT	SQ FT	EACH	FOOT	FOOT	
18+11.0	LT	R1-1	30.0	30.0	4.9	1.0		14.0	STOP SIGN
		R1-3P	18.0	6.0	0.8				ALL WAY
32+42.0	RT	D3-1	18.0	6.0	0.8	1.0	12.0		STREET SIGN (LEBANON AVE)
		D3-1	18.0	6.0	0.8				STREET SIGN (BRISTOW ST)
32+45.0	RT	R1-1	30.0	30.0	4.9	1.0		14.0	STOP SIGN
40+84.3	RT	R1-1	30.0	30.0	4.9	1.0		14.0	STOP SIGN
40+85.0	RT	D3-1	18.0	6.0	0.8	1.0	12.0		STREET SIGN (LEBANON AVE)
		D3-1	18.0	6.0	0.8				STREET SIGN (ARTHUR ST)
42+48.0	LT		18.0	24.0	3.0	1.0		15.0	NEIGHBORHOOD WATCH
			18.0	24.0	3.0				NO PARKING-TOW AWAY-SNOW ROUTE
47+85.4	RT	R1-1	30.0	30.0	4.9	1.0		14.0	STOP SIGN
		D3-1	18.0	6.0	0.8				STREET SIGN (KOERNER ST)
49+10.0	RT	R7-2	12.0	18.0	1.5	1.0		14.0	NO PARKING ANY TIME
			12.0	18.0	1.5				NO CELL PHONE USE IN SCHOOL ZONE
SUB-TOTALS					33.0	8.0	24.0	85.0	
ADJ. TOTALS					33.0	8.0	24.0	85.0	
					SQ FT	EACH	FOOT	FOOT	

40+35.3	RT					1.0			BUS STOP SIGN
43+85.2	RT					1.0			BUS STOP SIGN
47+38.2	RT					1.0			BUS STOP SIGN
53+51.9	LT					1.0			BUS STOP SIGN
SUB-TOTALS						4.0			
TOTALS						12.0			EACH

TRENCH DRAIN		
		TRENCH DRAIN
STATION	LT/RT	EACH
37+84.8	LT	1.0
SUB-TOTALS		1.0
ADJ. TOTALS		1.0
		EACH

CONCRETE STEPS						
					CONCRETE STEPS	CONCRETE STEP REMOVAL
					AREA	
STATION	TO	STATION	LT/RT	SQ FT	CU YD	EACH
35+47.6		35+56.5	RT	17.3	0.4	1.0
SUB-TOTALS					0.4	1.0
ADJ. TOTALS					1.0	1.0
					CU YD	EACH

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www.kaskaskiaeng.com

Kaskaskia
Engineering Group, LLC

PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

LICENSE NO. 184-004773
20-5080586

PREPARED BY: _____

SEAL

Signature: _____

Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: **SCHEDULE OF QUANTITIES**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220**

DESIGNED BY: RJO

DRAWN BY: RJO

CHECKED BY: MLV

DATE OF PRELIMINARY: 08/10/2022

DATE OF FINAL: _____

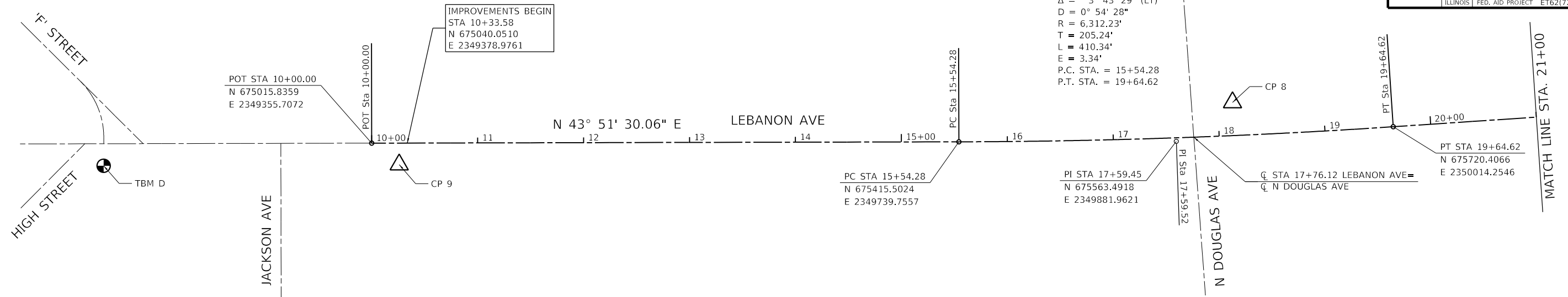
SHEET NO. 13 OF 55 SHEETS

PROJECT NUMBER 21-1004

13

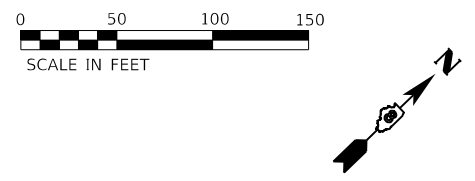
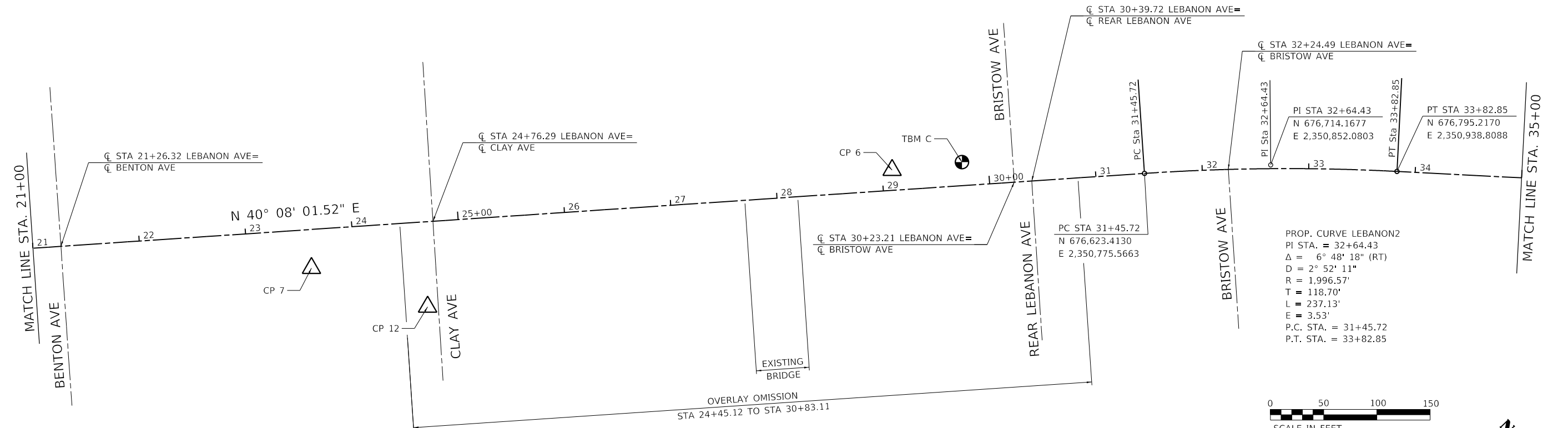
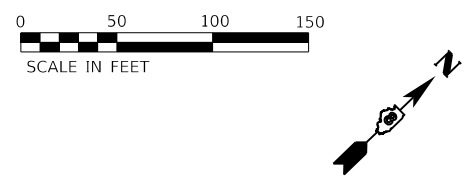
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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



HORIZONTAL CONTROL POINTS (NAD 83)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	678479.15	2352913.842	546.72	LEBANON	59+82.13	29.79 RT	Rebar
2	678106.72	2352325.475	550.04	LEBANON	52+88.95	36.39 RT	Rebar
3	677748.741	2351923.458	550.33	LEBANON	47+53.31	27.37 LT	Rebar
4	677336.237	2351551.054	544.32	LEBANON	41+99.57	22.75 RT	Cut Star
5	676929.474	2351034.598	533.84	LEBANON	35+44.51	32.69 LT	Rebar
6	676455.083	2350608.814	541.54	LEBANON	29+09.54	18.99 LT	Cut Star
7	675999.005	2350296.579	534.64	LEBANON	23+59.60	36.27 RT	Cut Star
8	675627.206	2349892.367	534.41	LEBANON	18+14.03	31.33 LT	Rebar
9	675020.449	2349388.309	511.02	LEBANON	10+25.92	20.31 RT	Rebar
10	677502.647	2351450.302	544.38	LEBANON	42+39.58	167.63 LT	Mag Nail
11	677280.979	2351425.177	541.35	LEBANON	40+69.88	22.83 LT	Cut Star
12	676052.154	2350398.443	530.64	LEBANON	24+65.89	79.89 RT	Mag Nail

BENCH MARKS (NAVD 88)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
A	678444.9637	2352771.891	548.56	LEBANON	58+49	30.17 LT	X' ON EAST BOLT OF FIRE HYDRANT
B	677524.7247	2351758.098	547.77	LEBANON	44+79.54	26.40 RT	CUT SQUARE ON CONCRETE PAD FOR LIGHT POST
C	676507.5105	2350648.922	538.77	LEBANON	29+75.78	22.12 LT	"X" ON NORTH END OF WEST RETAINING WALL
D	674818.917	2349195.34	510.59	LEBANON	7+46.90	20.81 RT	"X" ON NORTH BOLT OF FIRE HYDRANT



- LEGEND**
- = BENCH MARK (BM) LOCATION
 - = HORIZONTAL CONTROL POINT (HCP) LOCATION

NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ADDITIONAL CONTROL POINTS AND BENCHMARKS SHOULD THE ONES PROVIDED BE LOST OR DESTROYED DURING CONSTRUCTION ACTIVITIES.

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Kaskaskia
 Engineering Group, LLC

PROFESSIONAL REGISTRATIONS
 Illinois Professional Design Firm
 Professional Engineering Group

LICENSE NO. 184-004773
 20-5080586

PREPARED BY: _____

Signature: _____

Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE:
 ALIGNMENTS, TIES & BENCHMARKS

PROJECT TITLE:
 LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 14
DRAWN BY: RJO	
CHECKED BY: MJV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	
SHEET NO. 14 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

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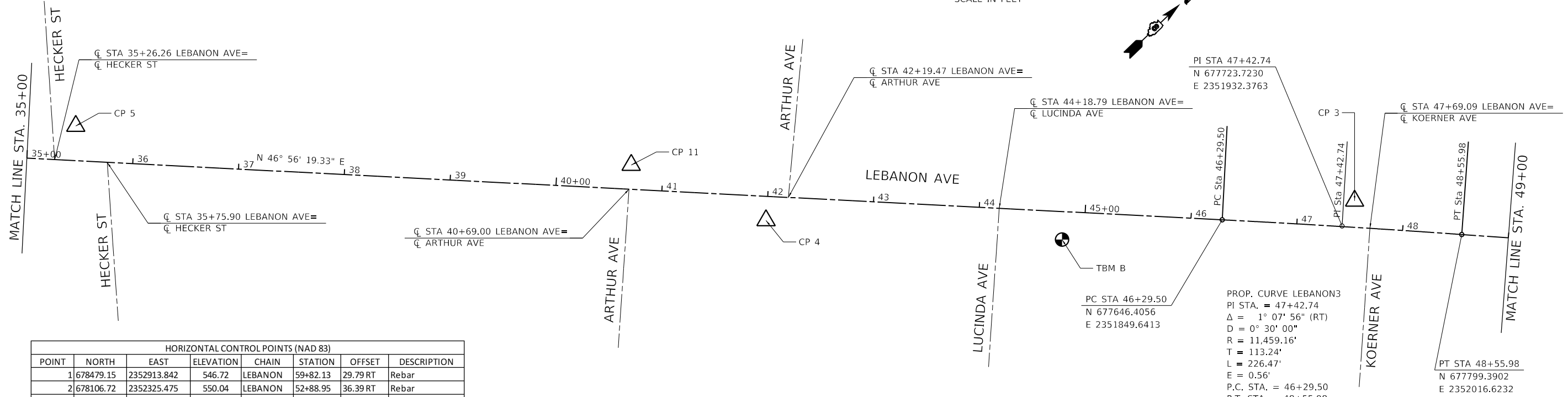
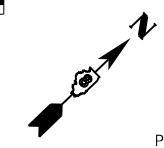
F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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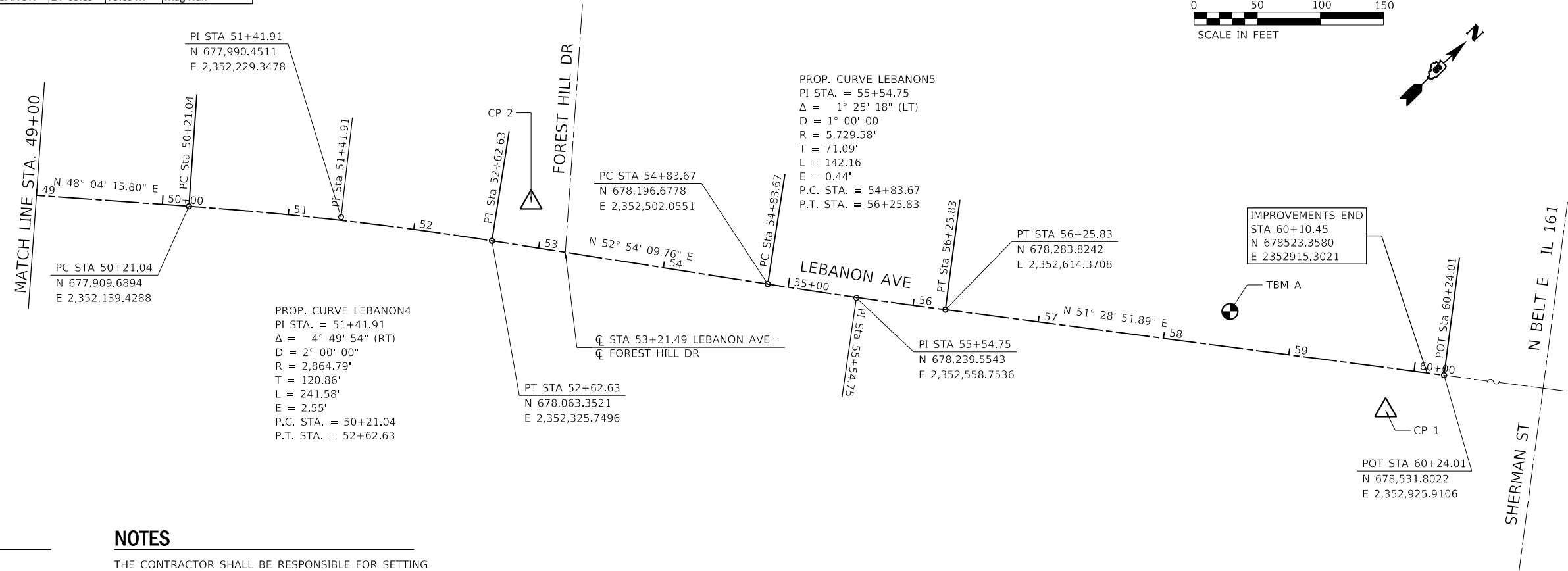
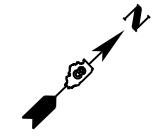
LICENSE NO. 184-004773
 20-5080586



HORIZONTAL CONTROL POINTS (NAD 83)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	678479.15	2352913.842	546.72	LEBANON	59+82.13	29.79 RT	Rebar
2	678106.72	2352325.475	550.04	LEBANON	52+88.95	36.39 RT	Rebar
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5	676929.474	2351034.598	533.84	LEBANON	35+44.51	32.69 LT	Rebar
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9	675020.449	2349388.309	511.02	LEBANON	10+25.92	20.31 RT	Rebar
10	677502.647	2351450.302	544.38	LEBANON	42+39.58	167.63 LT	Mag Nail
11	677280.979	2351425.177	541.35	LEBANON	40+69.88	22.83 LT	Cut Star
12	676052.154	2350398.443	530.64	LEBANON	24+65.89	79.89 RT	Mag Nail

BENCH MARKS (NAVD 88)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
A	678444.9637	2352771.891	548.56	LEBANON	58+49	30.17 LT	X' ON EAST BOLT OF FIRE HYDRANT
B	677524.7247	2351758.098	547.77	LEBANON	44+79.54	26.40 RT	CUT SQUARE ON CONCRETE PAD FOR LIGHT POST
C	676507.5105	2350648.922	538.77	LEBANON	29+75.78	22.12 LT	"X" ON NORTH END OF WEST RETAINING WALL
D	674818.917	2349195.34	510.59	LEBANON	7+46.90	20.81 RT	"X" ON NORTH BOLT OF FIRE HYDRANT

PROP. CURVE LEBANON3
 PI STA. = 47+42.74
 $\Delta = 1^\circ 07' 56''$ (RT)
 $D = 0^\circ 30' 00''$
 $R = 11,459.16'$
 $T = 113.24'$
 $L = 226.47'$
 $E = 0.56'$
 P.C. STA. = 46+29.50
 P.T. STA. = 48+55.98



PROP. CURVE LEBANON4
 PI STA. = 51+41.91
 $\Delta = 4^\circ 49' 54''$ (RT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 120.86'$
 $L = 241.58'$
 $E = 2.55'$
 P.C. STA. = 50+21.04
 P.T. STA. = 52+62.63

PROP. CURVE LEBANON5
 PI STA. = 55+54.75
 $\Delta = 1^\circ 25' 18''$ (LT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 71.09'$
 $L = 142.16'$
 $E = 0.44'$
 P.C. STA. = 54+83.67
 P.T. STA. = 56+25.83

IMPROVEMENTS END
 STA 60+10.45
 N 678523.3580
 E 2352915.3021

- LEGEND**
- = BENCH MARK (BM) LOCATION
 - = HORIZONTAL CONTROL POINT (HCP) LOCATION

NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ADDITIONAL CONTROL POINTS AND BENCHMARKS SHOULD THE ONES PROVIDED BE LOST OR DESTROYED DURING CONSTRUCTION ACTIVITIES.

REV.	DATE	DESCRIP

ALIGNMENTS, TIES & BENCHMARKS

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 15
DRAWN BY: RJO	
CHECKED BY: MLJV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 15 OF 55 SHEETS
 PROJECT NUMBER 21-1004

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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LICENSE NO. 184-004773
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PREPARED BY:

SEAL

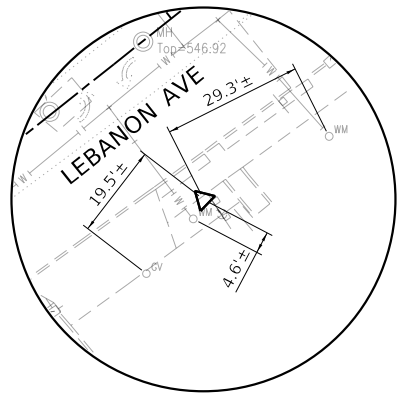
Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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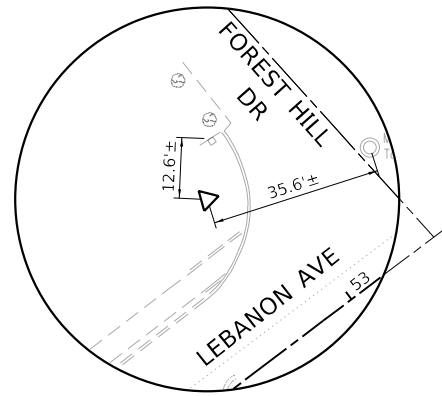
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PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

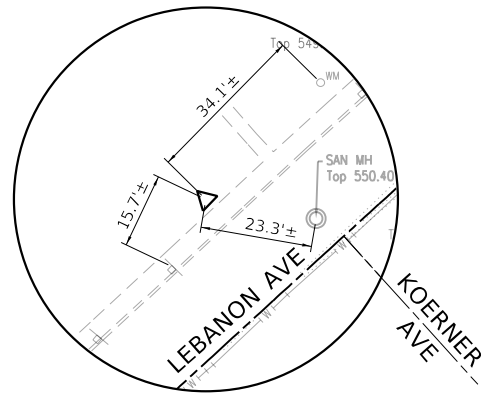
DESIGNED BY: RJO	SHEET
DRAWN BY: RJO	
CHECKED BY: MLJV	16
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	
SHEET NO. 16 OF 55 SHEETS	
PROJECT NUMBER 21-1004	



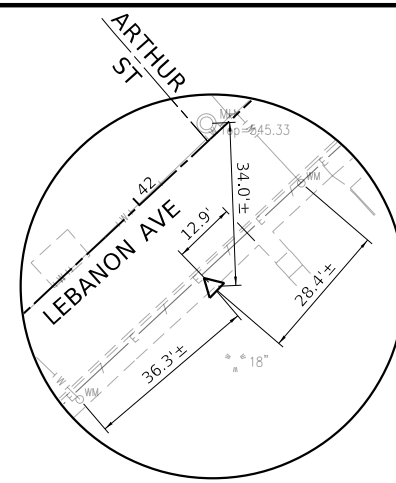
HORIZONTAL CONTROL POINT NO. 1
 STA 59+82.13, 29.79' RT REBAR



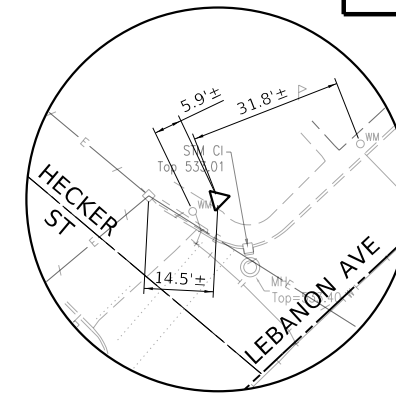
HORIZONTAL CONTROL POINT NO. 2
 STA 52+88.95, 36.39' RT REBAR



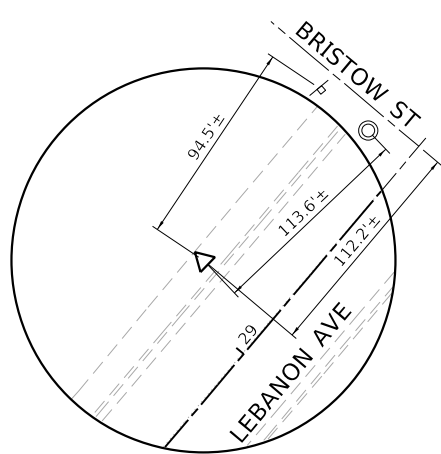
HORIZONTAL CONTROL POINT NO. 3
 STA 47+53.31, 27.37' LT REBAR



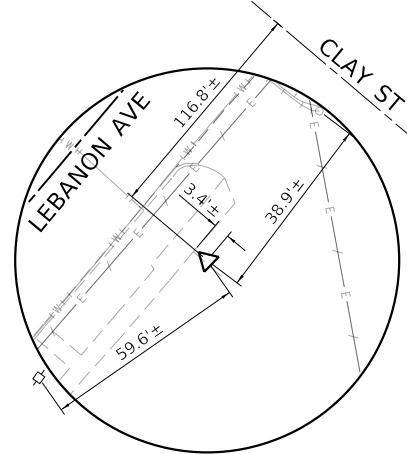
HORIZONTAL CONTROL POINT NO. 4
 STA 41+99.57, 22.75' RT CUT STAR



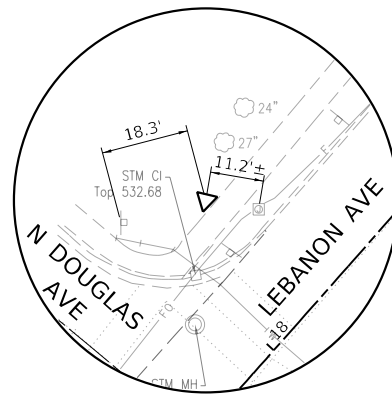
HORIZONTAL CONTROL POINT NO. 5
 STA 35+44.51, 32.69' LT REBAR



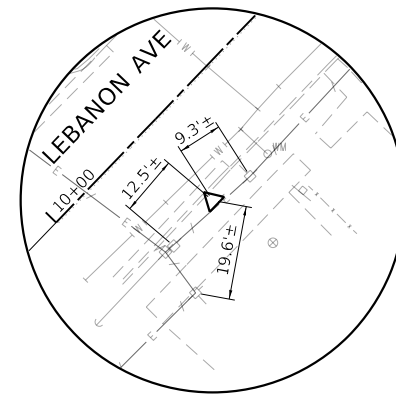
HORIZONTAL CONTROL POINT NO. 6
 STA 29+09.54, 18.99' LT CUT STAR



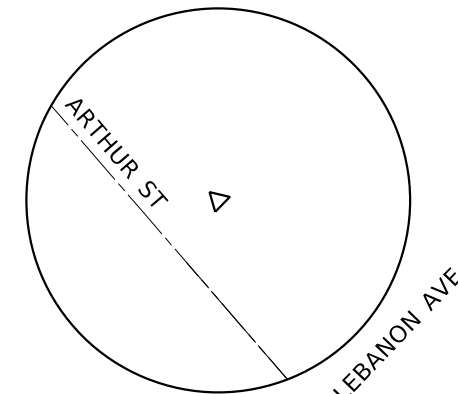
HORIZONTAL CONTROL POINT NO. 7
 STA 23+59.60, 36.27' RT CUT STAR



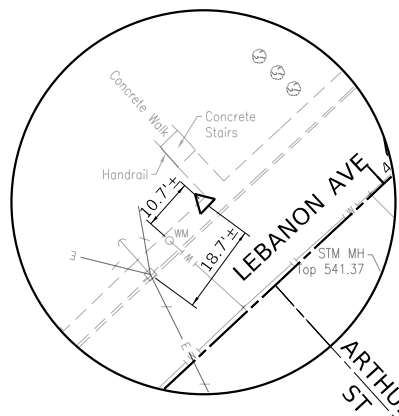
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 STA 18+14.03, 31.33' LT REBAR



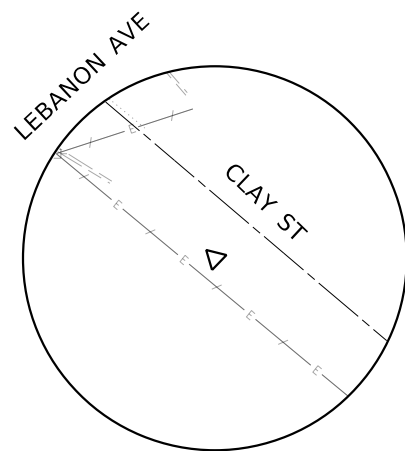
HORIZONTAL CONTROL POINT NO. 9
 STA 10+25.92, 20.31' RT REBAR



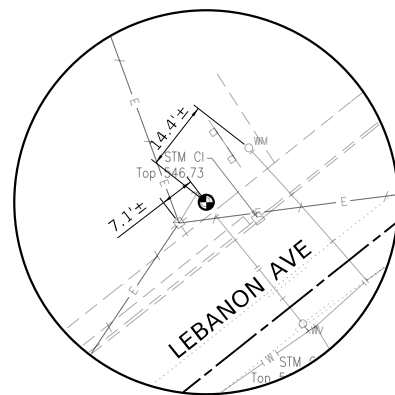
HORIZONTAL CONTROL POINT NO. 10
 STA 42+39.58, 167.63' LT MAG NAIL



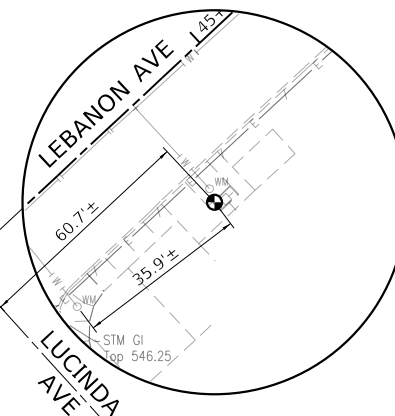
HORIZONTAL CONTROL POINT NO. 11
 STA 40+69.88, 22.83' LT CUT STAR



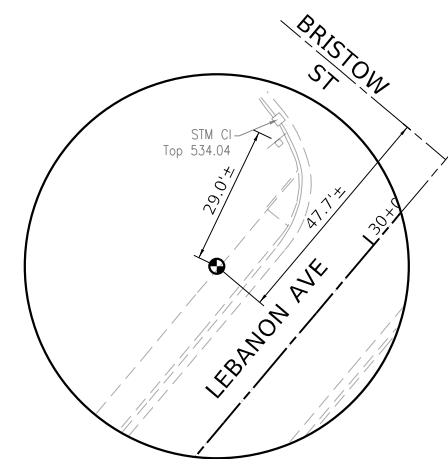
HORIZONTAL CONTROL POINT NO. 12
 STA 24+65.89, 79.89' RT MAG NAIL



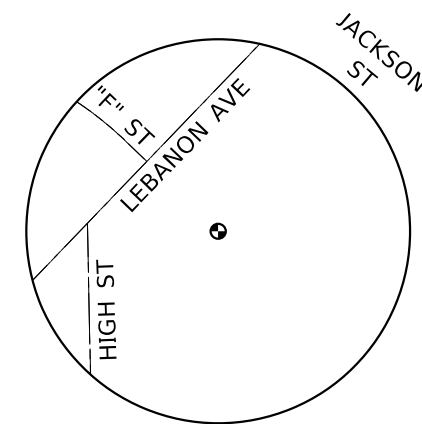
BENCH MARK A
 STA 58+49.00, 30.17' LT 'X' ON EAST BOLT OF FIRE HYDRANT



BENCH MARK B
 STA 44+79.54, 26.40' RT CUT "□" ON CONC PAD FOR LIGHT POST



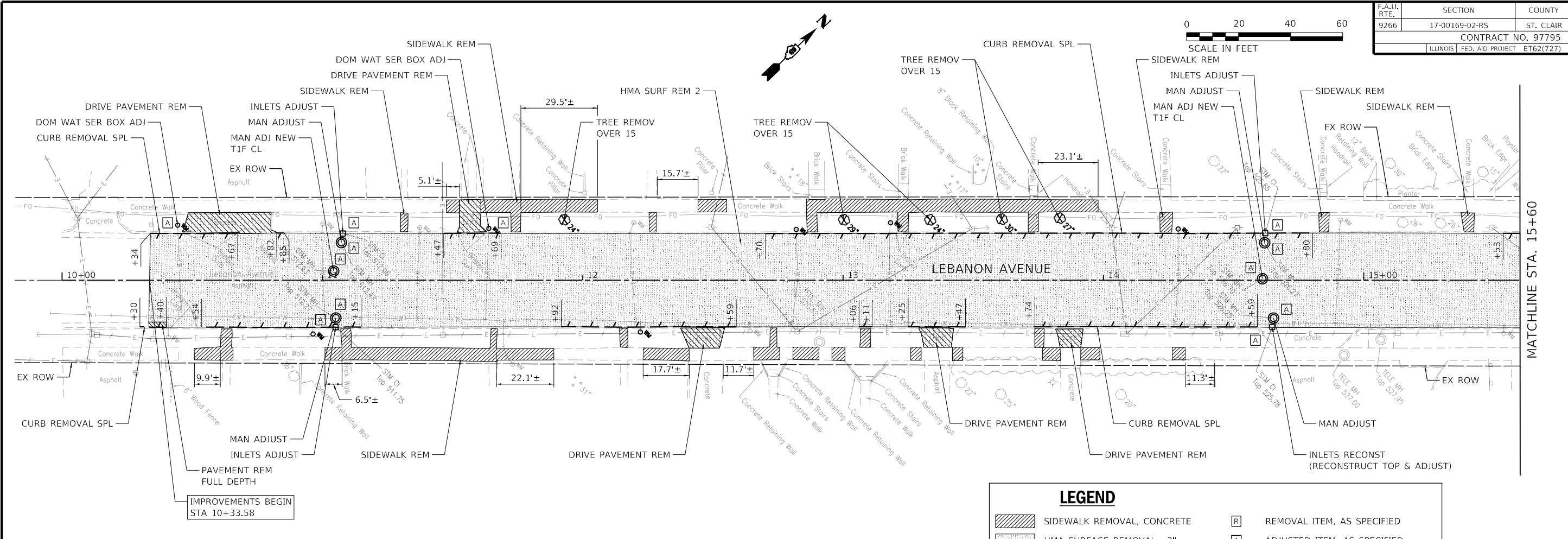
BENCH MARK C
 STA 29+75.78, 22.12' LT "X" ON NORTH END OF WEST RETAINING WALL



BENCH MARK D
 STA 7+46.90, 20.81' RT 'X' ON NORTH BOLT OF FIRE HYDRANT

FILE: P:\21-1004\00_Lebanon Ave\DOT\CAD_Sheets\21-1004_00_Lebanon Ave_Sht 016 - Align_TMB.dwg

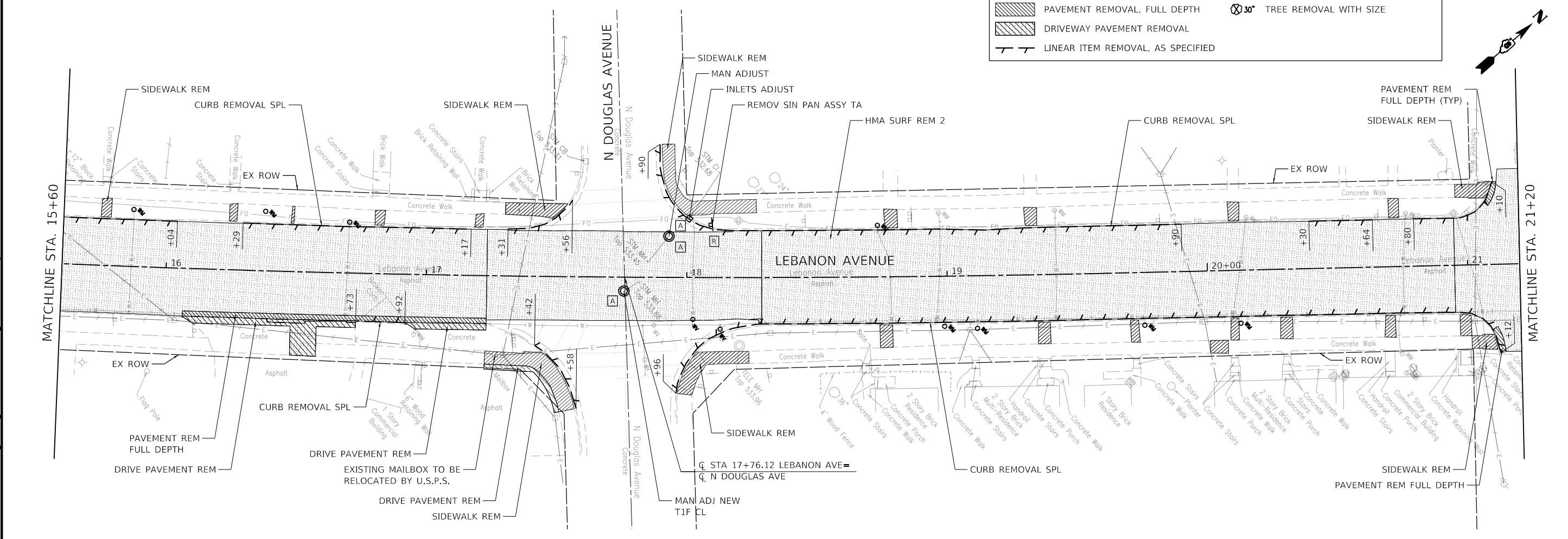
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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

LEGEND

	SIDEWALK REMOVAL, CONCRETE		REMOVAL ITEM, AS SPECIFIED
	HMA SURFACE REMOVAL, 2"		ADJUSTED ITEM, AS SPECIFIED
	PAVEMENT REMOVAL, FULL DEPTH		TREE REMOVAL WITH SIZE
	DRIVEWAY PAVEMENT REMOVAL		
	LINEAR ITEM REMOVAL, AS SPECIFIED		



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 Illinois Professional Design Firm
 Professional Engineering Group

LICENSE NO. 184-004773
 20-5080586

PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP

EXISTING CONDITIONS & REMOVAL PLAN

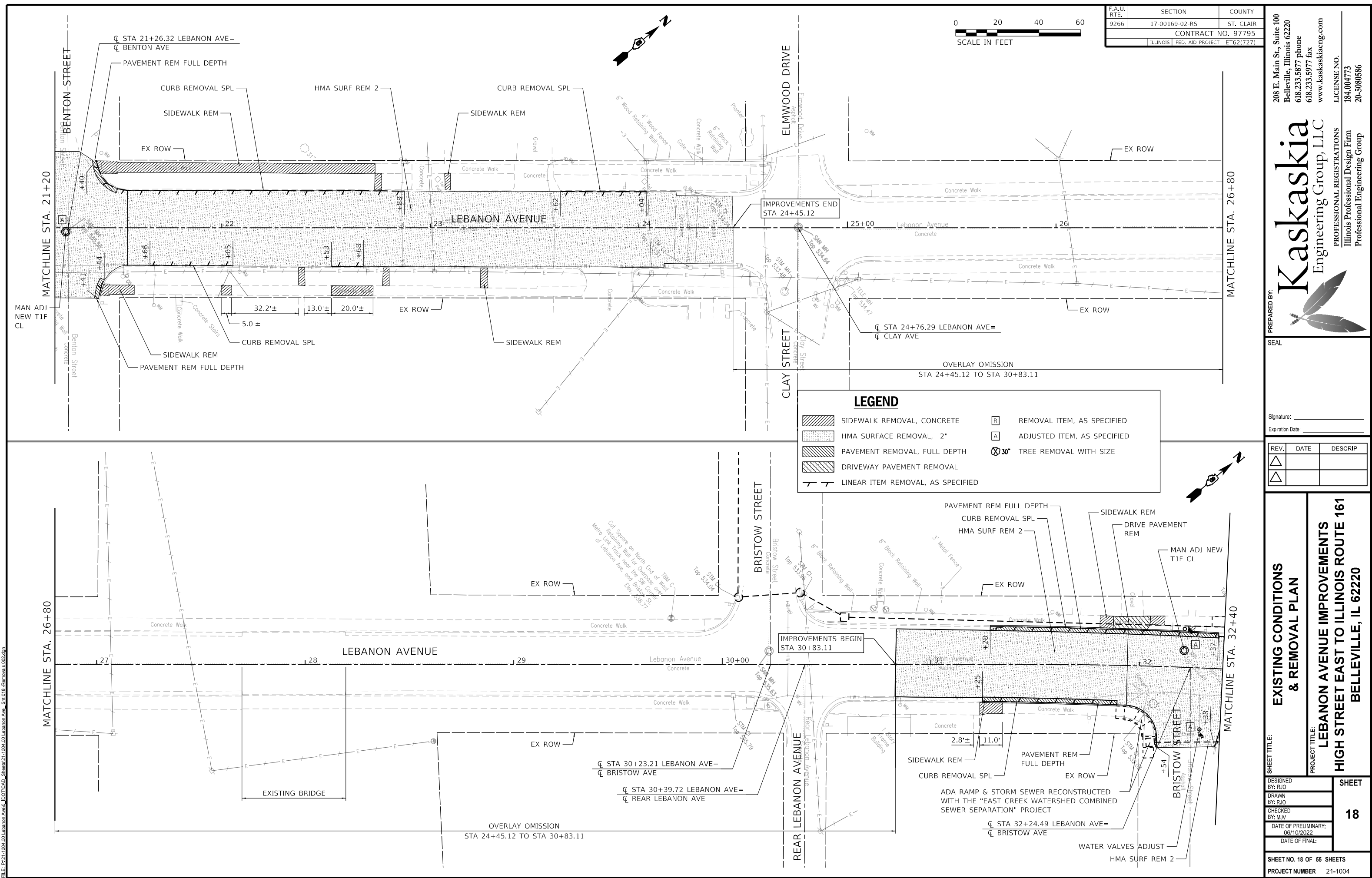
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

SHEET TITLE: _____
 PROJECT TITLE: _____

DESIGNED BY: RJO	SHEET 17
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL: _____	

SHEET NO. 17 OF 55 SHEETS
 PROJECT NUMBER 21-1004

FILE: P:\21-1004-00_Lebanon Ave\DOT\CAD_Sheets\21-1004-00_Lebanon Ave_Sht 017 -Removals 001.dwg



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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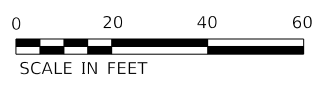
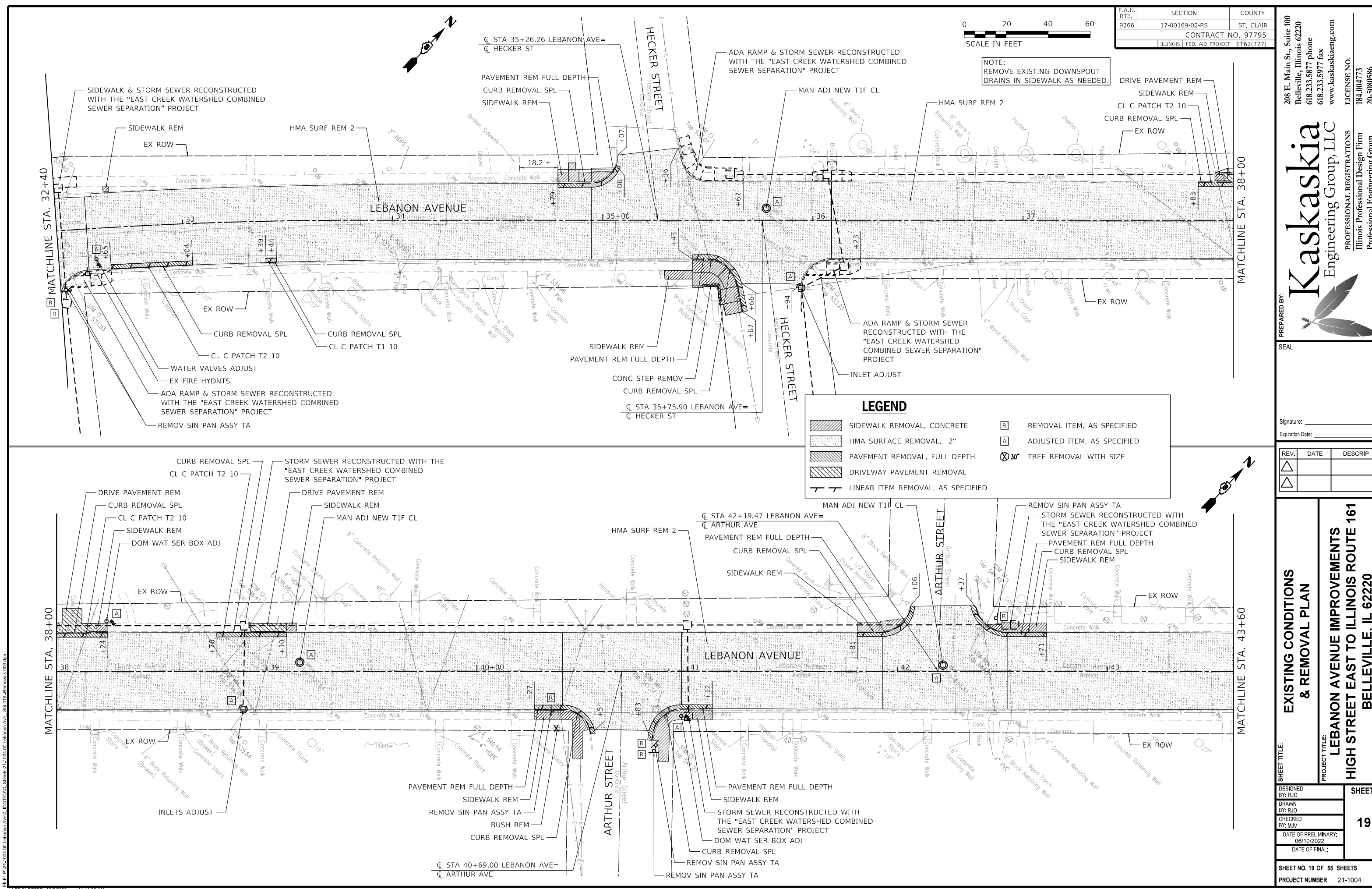
PREPARED BY: _____
 SEAL
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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EXISTING CONDITIONS & REMOVAL PLAN
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET
DRAWN BY: RJO	
CHECKED BY: MLJV	18
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	
SHEET NO. 18 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004-00_Lebanon_Ave_Sht 018 -Removals 002.dgn



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

NOTE:
REMOVE EXISTING DOWNSPOUT
DRAINS IN SIDEWALK AS NEEDED.

LEGEND

	SIDEWALK REMOVAL, CONCRETE		REMOVAL ITEM, AS SPECIFIED
	HMA SURFACE REMOVAL, 2"		ADJUSTED ITEM, AS SPECIFIED
	PAVEMENT REMOVAL, FULL DEPTH		TREE REMOVAL WITH SIZE
	DRIVEWAY PAVEMENT REMOVAL		
	LINEAR ITEM REMOVAL, AS SPECIFIED		

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REV.	DATE	DESCRIP

SHEET TITLE:
EXISTING CONDITIONS & REMOVAL PLAN

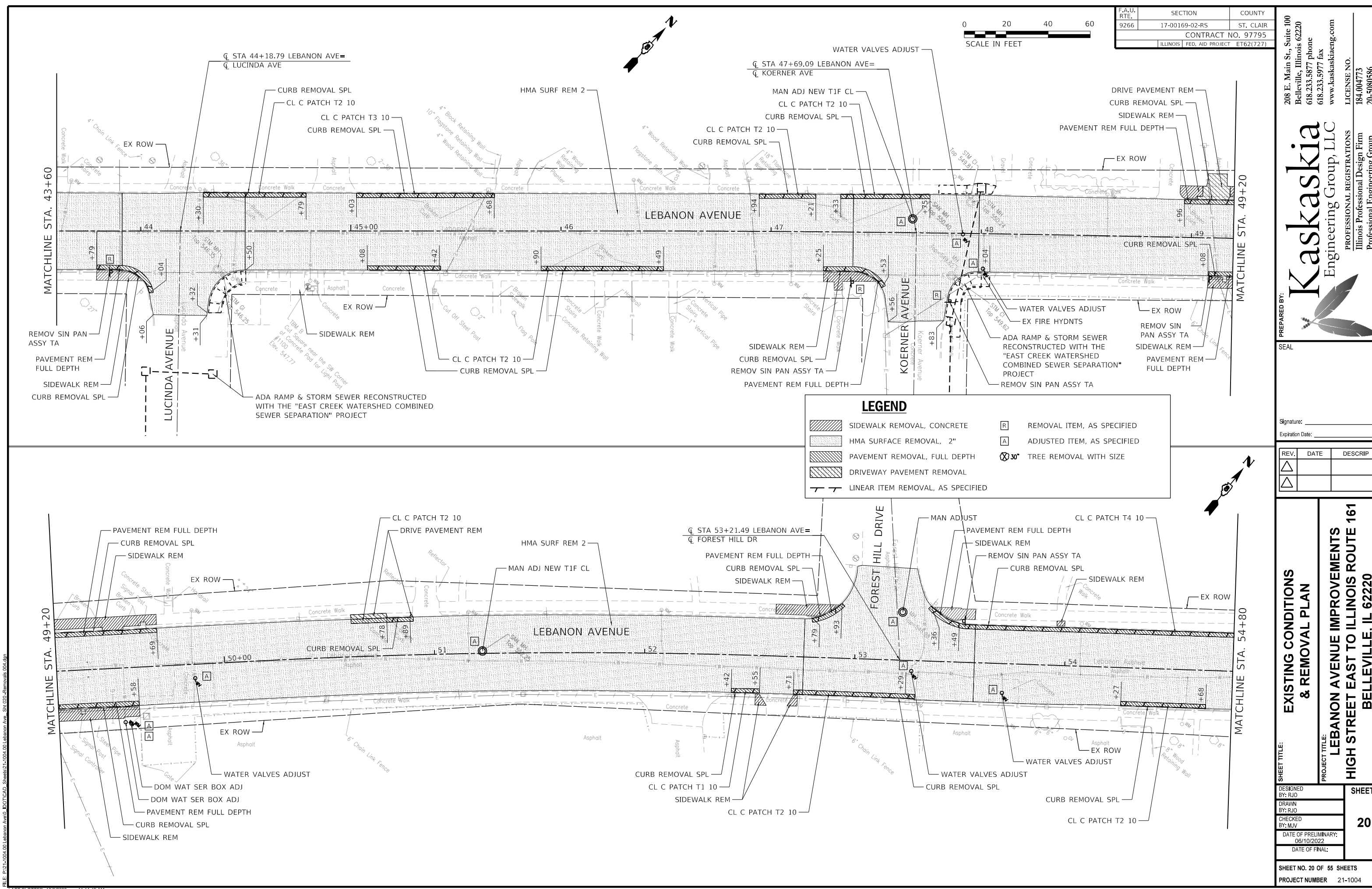
PROJECT TITLE:
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 19
DRAWN BY: RJO	
CHECKED BY: MLJ	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 19 OF 55 SHEETS
PROJECT NUMBER 21-1004

FILE: P:\21-1004-00_Lebanon Ave\DOT\CAD_Sheets\21-1004-00_Lebanon Ave_Sht 019 -Removals.dwg

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9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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REV.	DATE	DESCRIP

EXISTING CONDITIONS & REMOVAL PLAN

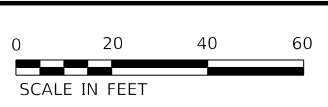
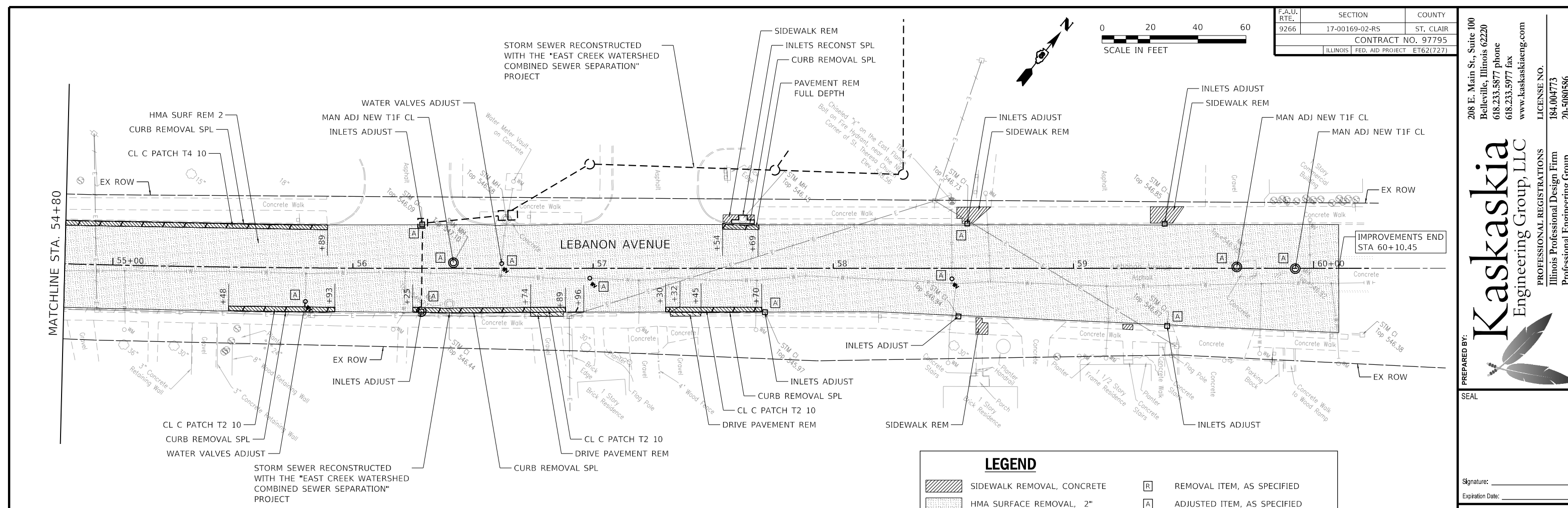
LEBANON AVENUE IMPROVEMENTS

HIGH STREET EAST TO ILLINOIS ROUTE 161

BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 20
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	
SHEET NO. 20 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00_Lebanon Ave\DOTCAD_Sheets\21-1004-00_Lebanon Ave_Sht 20 -Removals.dwg



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LEGEND

	SIDEWALK REMOVAL, CONCRETE		REMOVAL ITEM, AS SPECIFIED
	HMA SURFACE REMOVAL, 2"		ADJUSTED ITEM, AS SPECIFIED
	PAVEMENT REMOVAL, FULL DEPTH		30" TREE REMOVAL WITH SIZE
	DRIVEWAY PAVEMENT REMOVAL		
	LINEAR ITEM REMOVAL, AS SPECIFIED		

SEAL

Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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SHEET TITLE: EXISTING CONDITIONS & REMOVAL PLAN

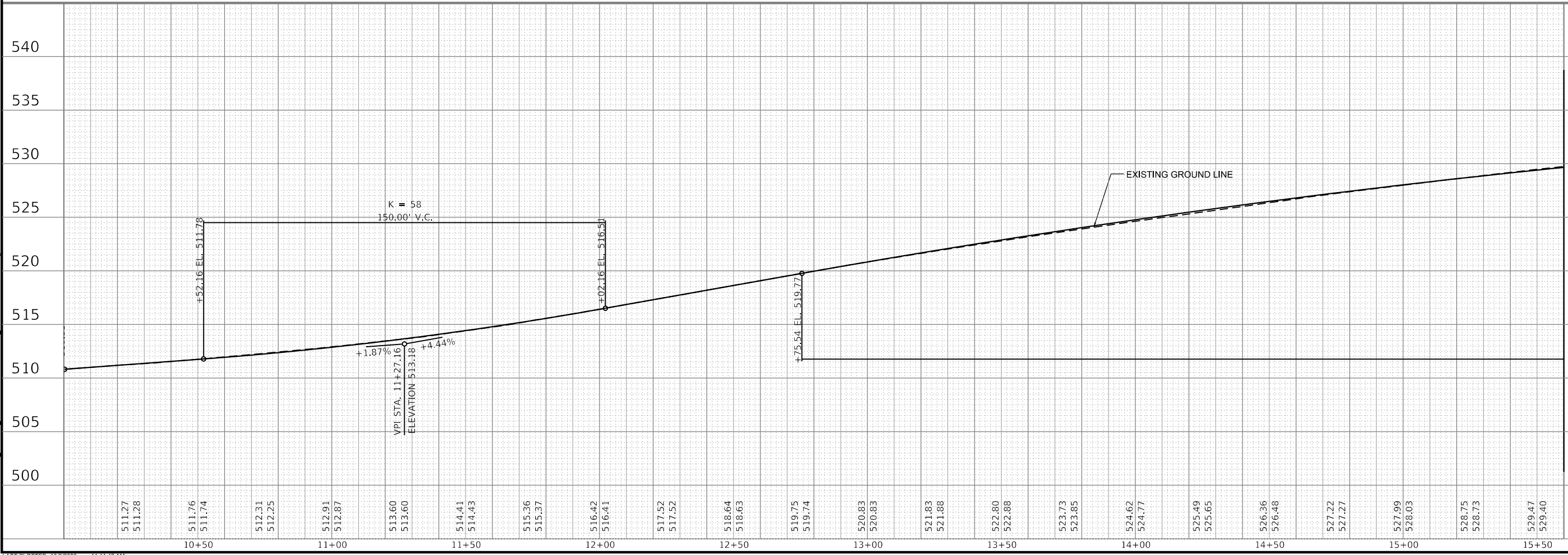
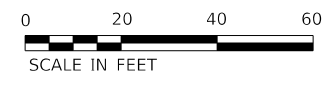
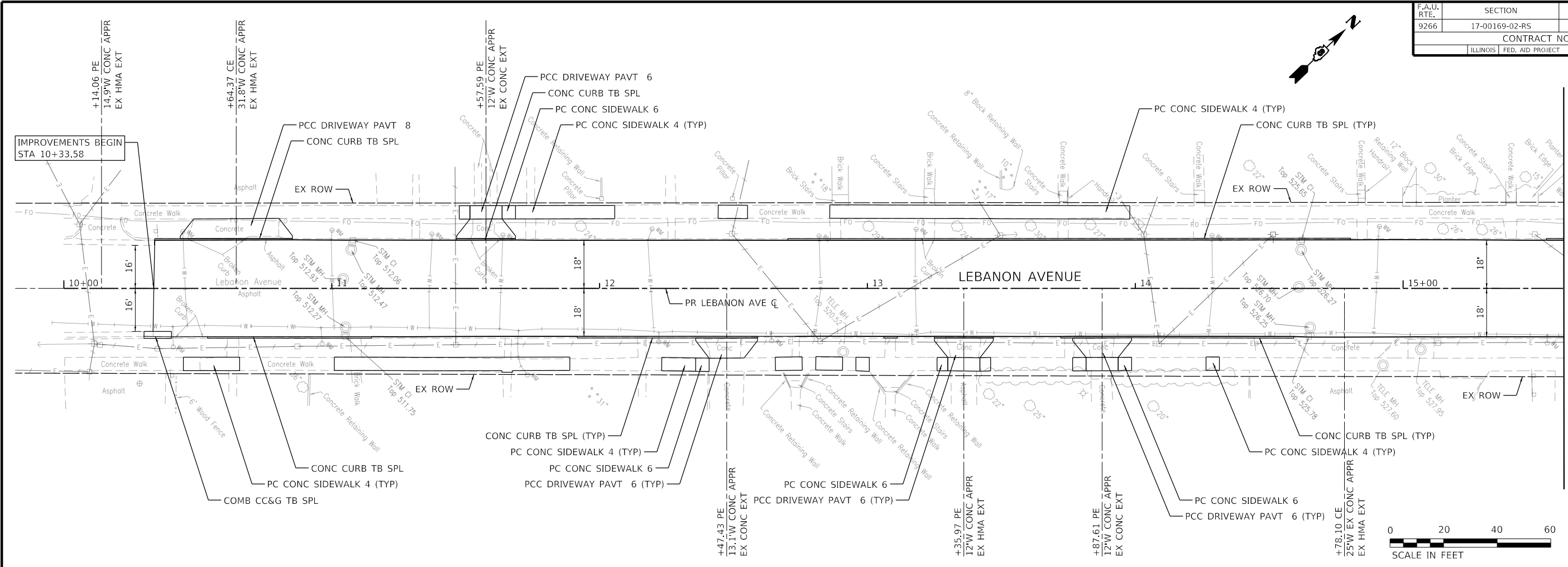
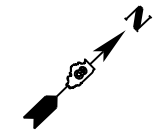
PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS HIGH STREET EAST TO ILLINOIS ROUTE 161 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 21
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 21 OF 55 SHEETS
 PROJECT NUMBER 21-1004

FILE: P:\21-1004-00-LEBANON-00-1004-00-LEBANON-AVE-01-1004-00-LEBANON-AVE-Sht 021 -Removals 005.dgn

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9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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PREPARED BY:

SEAL

Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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ROADWAY IMPROVEMENTS PLAN

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 22
DRAWN BY: RJO	
CHECKED BY: MJV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	
SHEET NO. 22 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00\Lebanon Ave\DOT\CAD_Sheets\21-1004-00_Lebanon Ave_Sht 22 - Road Plans 001.dgn

LAST PLOTTED: 10/6/2022 11:11:47 AM

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9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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 SEAL _____
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 Expiration Date: _____

REV.	DATE	DESCRIP
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SHEET TITLE: ROADWAY IMPROVEMENTS PLAN

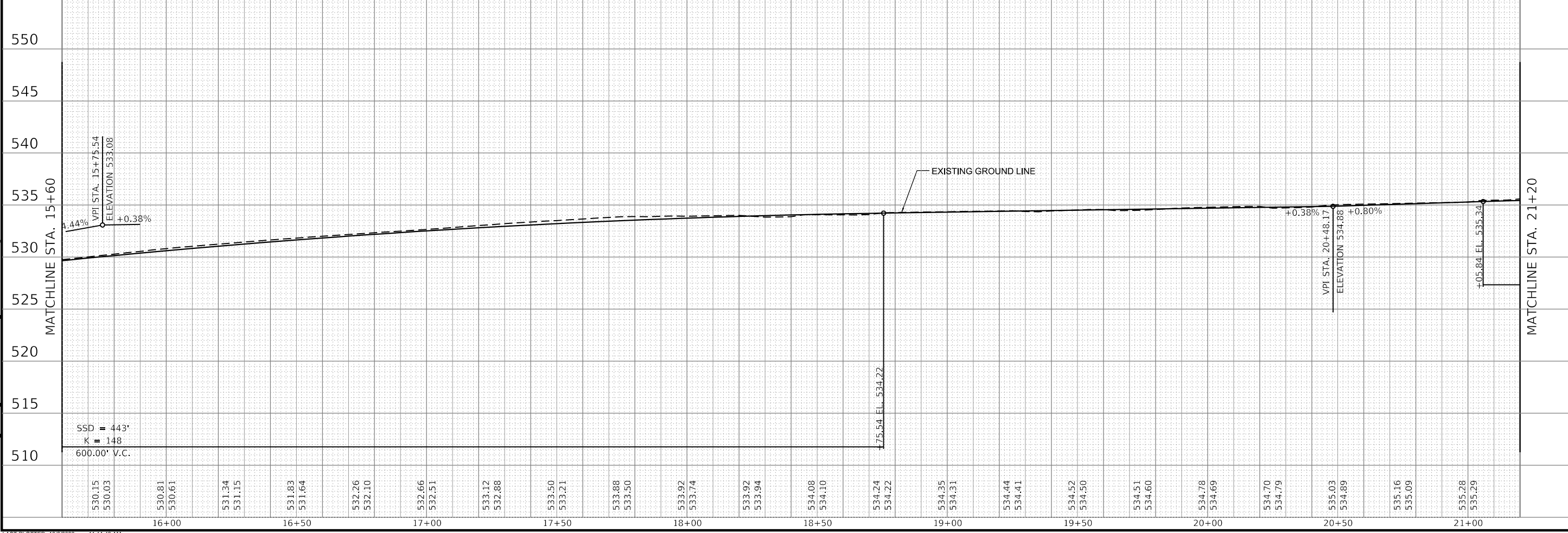
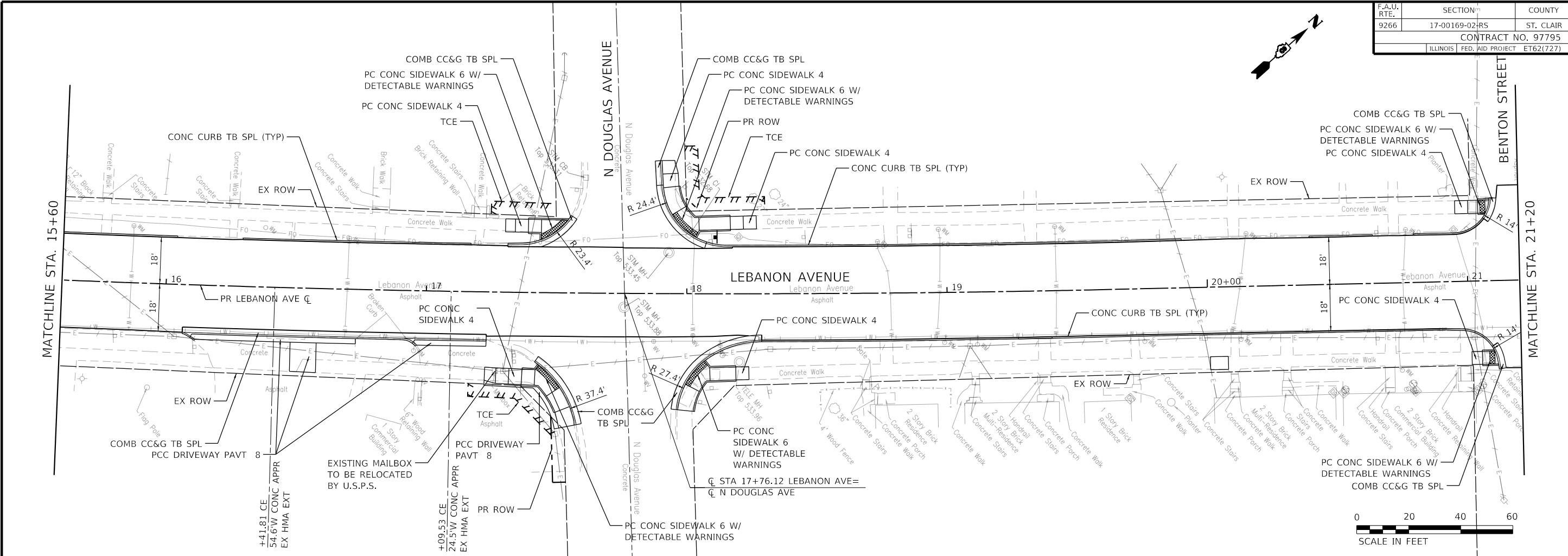
PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS HIGH STREET EAST TO ILLINOIS ROUTE 161 BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV

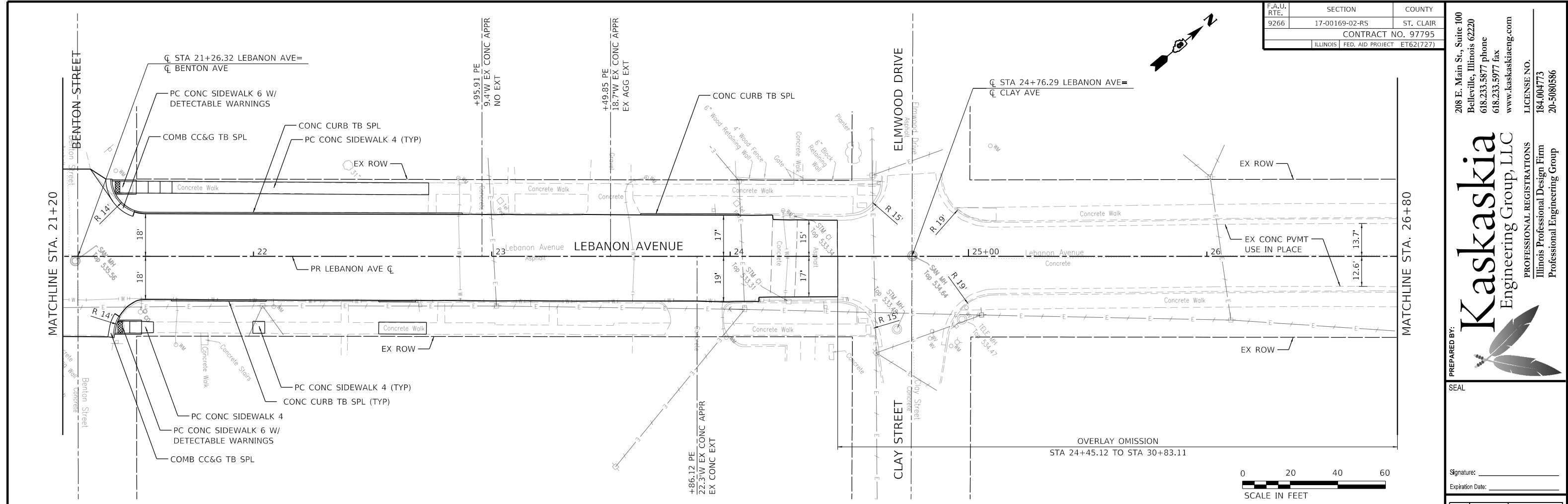
DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET 23

SHEET NO. 23 OF 55 SHEETS
 PROJECT NUMBER 21-1004



FILE: P:\21-1004\00_Lebanon_Ave\DOT\CAD_Sheets\21-1004_00_Lebanon_Ave_Sht 23 - Road Plans.dgn



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

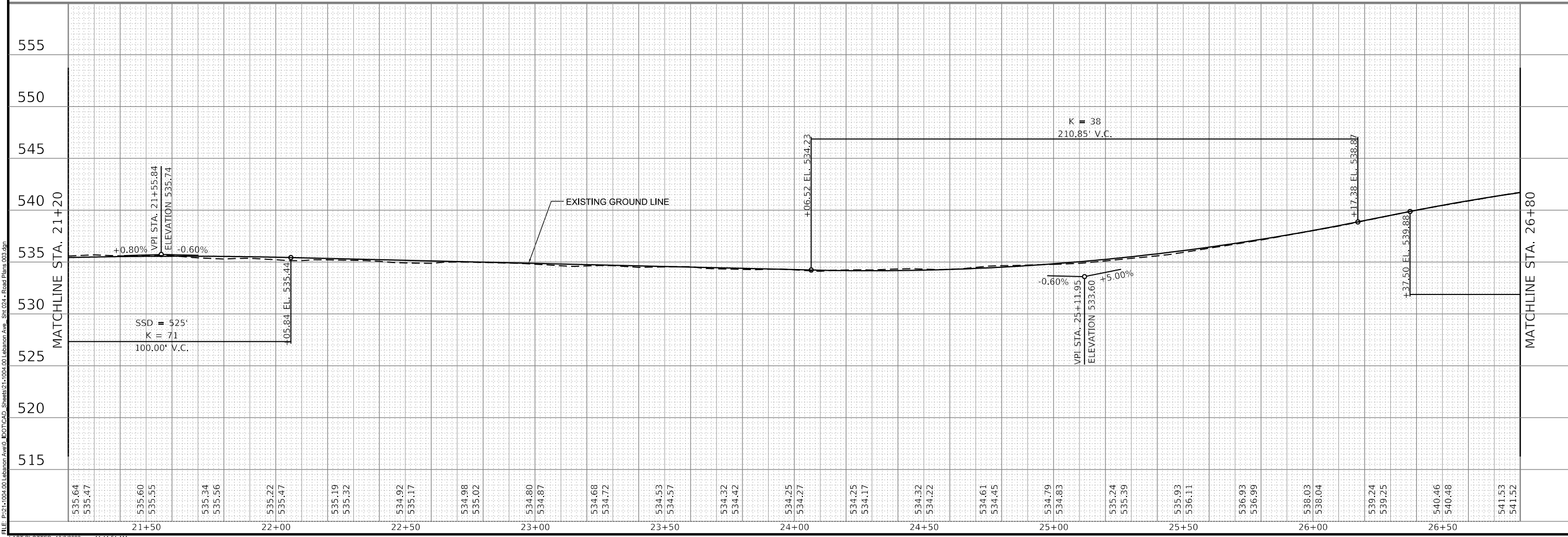
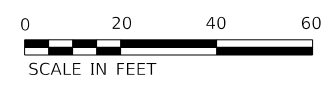
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 Expiration Date: _____



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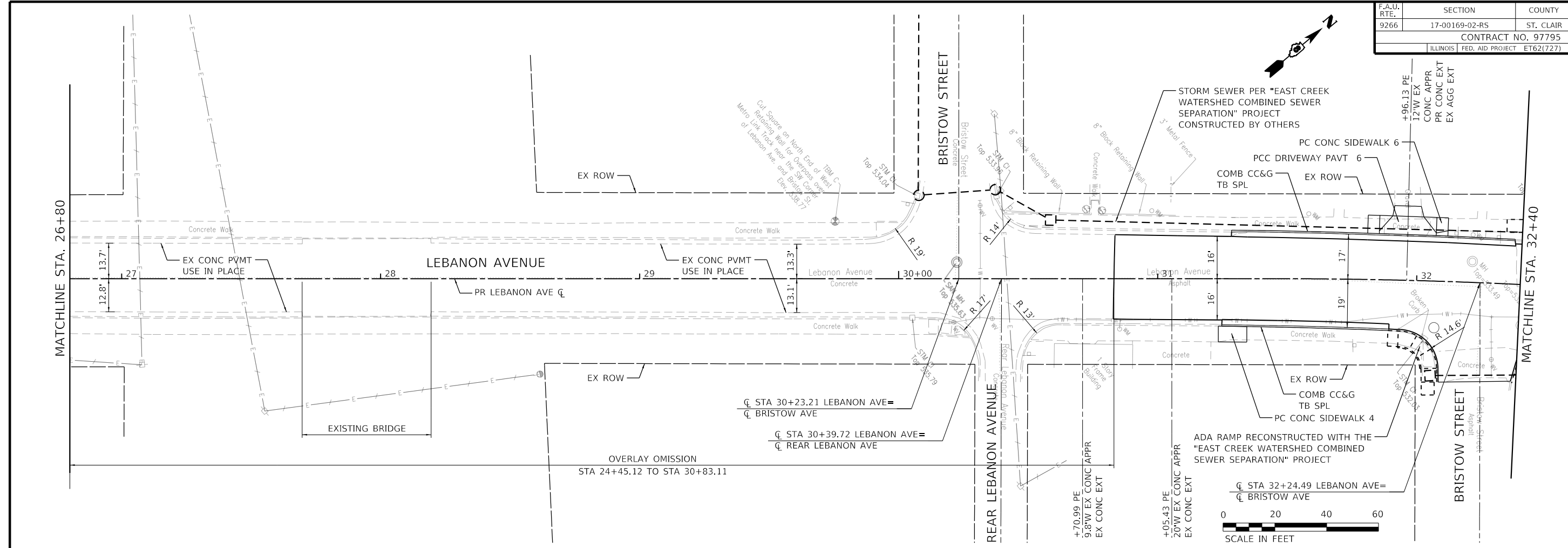
SHEET TITLE: ROADWAY IMPROVEMENTS PLAN

PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET 24

SHEET NO. 24 OF 55 SHEETS
 PROJECT NUMBER 21-1004



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LICENSE NO. 184-004773
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REV.	DATE	DESCRIP
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PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

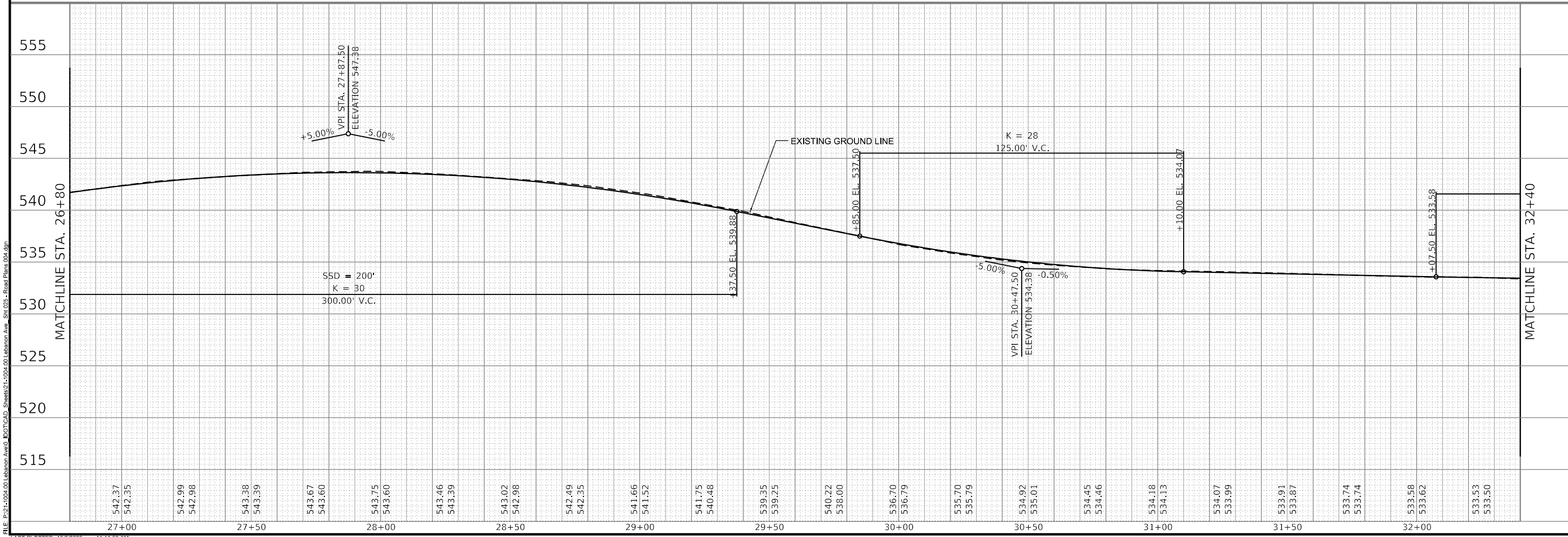
ROADWAY IMPROVEMENTS PLAN

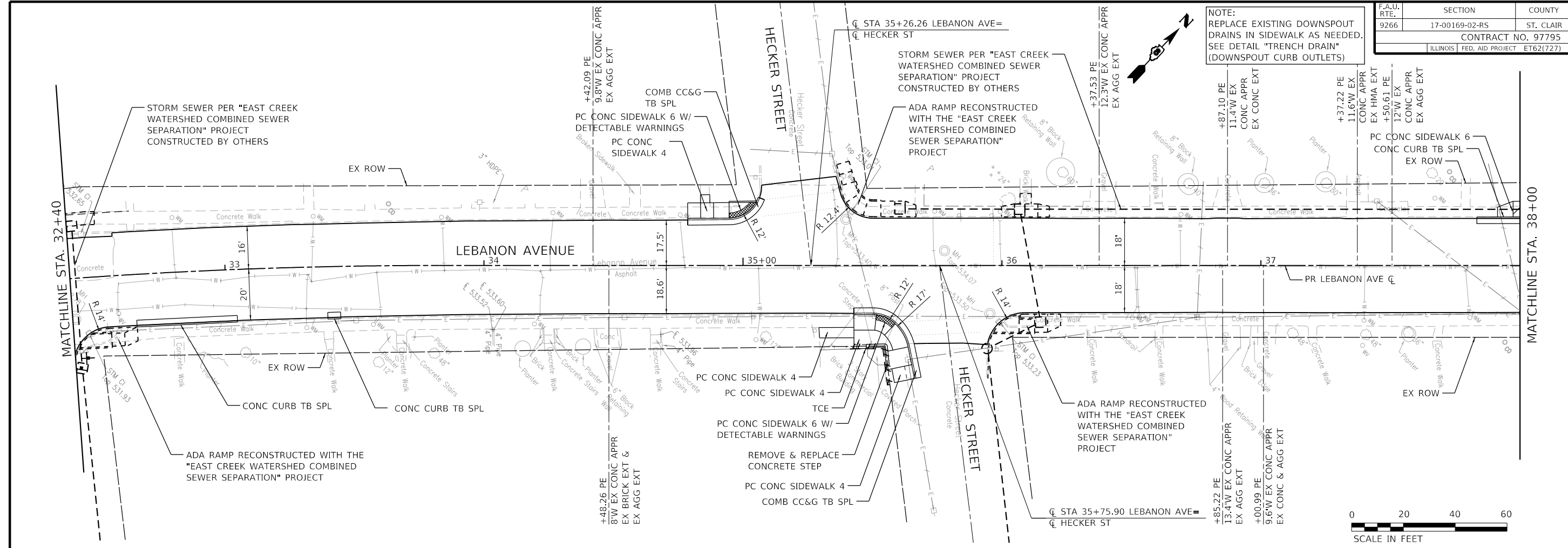
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET 25

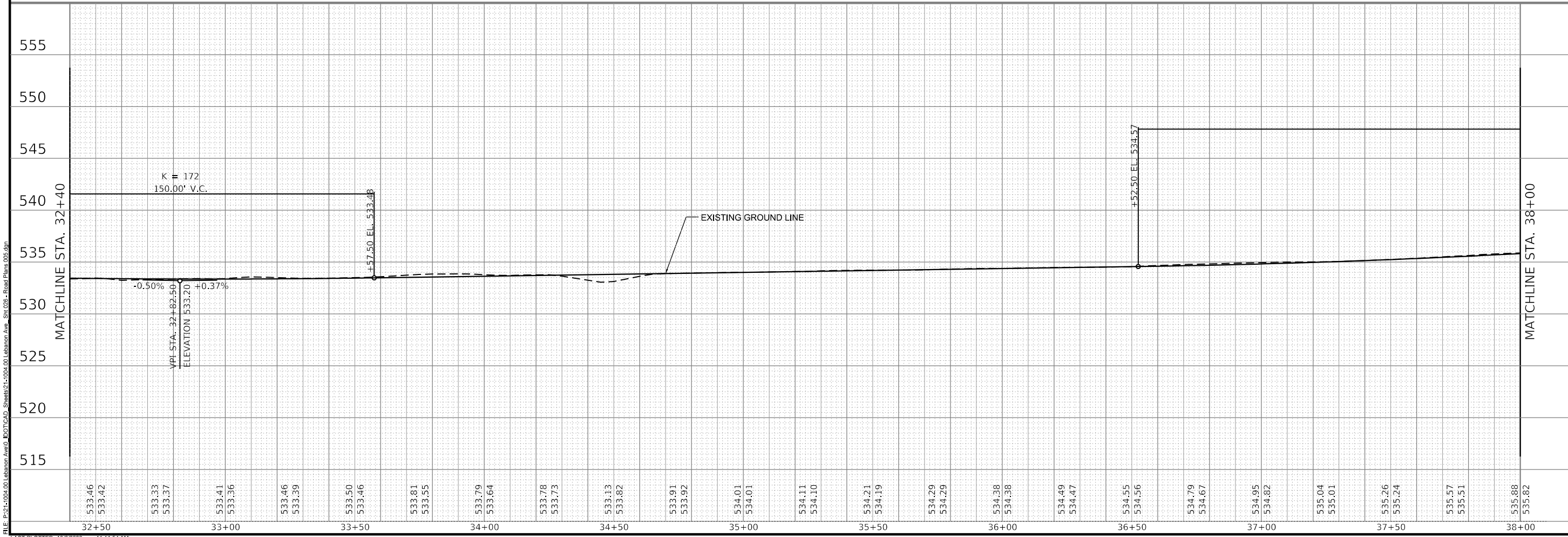
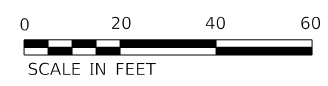
SHEET NO. 25 OF 55 SHEETS
 PROJECT NUMBER 21-1004





NOTE:
REPLACE EXISTING DOWNSPOUT
DRAINS IN SIDEWALK AS NEEDED.
SEE DETAIL "TRENCH DRAIN"
(DOWNSPOUT CURB OUTLETS)

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



PREPARED BY: **Kaskaskia Engineering Group, LLC**

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Signature: _____
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ROADWAY IMPROVEMENTS PLAN

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

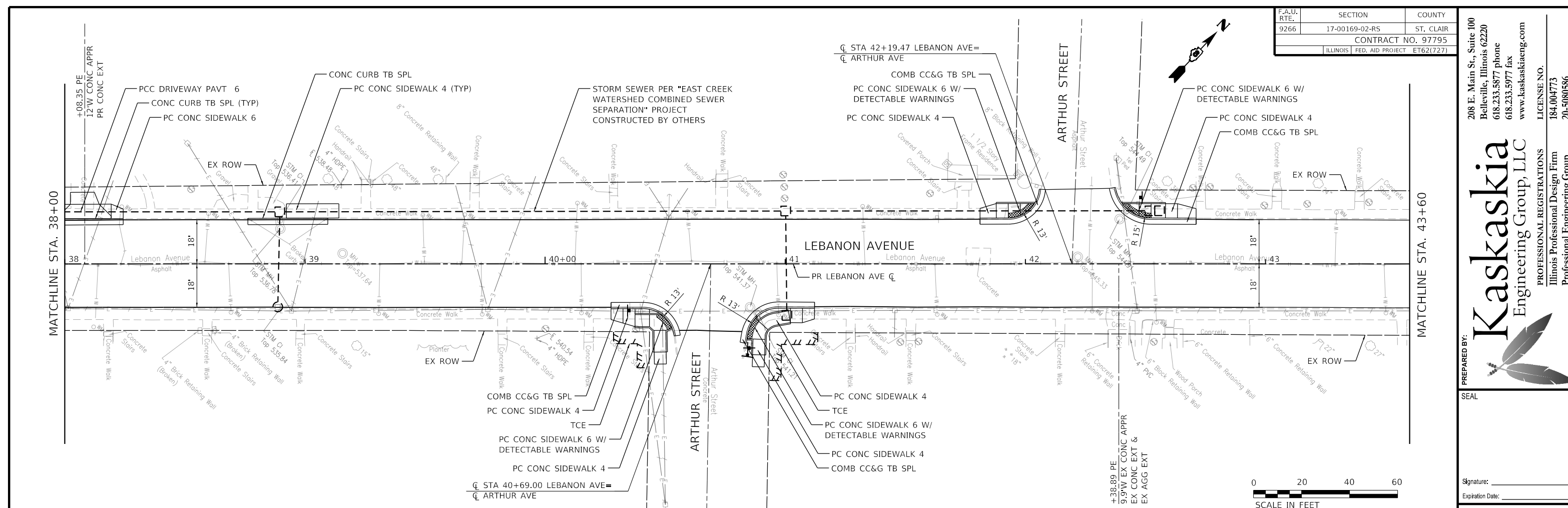
SHEET TITLE: ROADWAY IMPROVEMENTS PLAN
PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS HIGH STREET EAST TO ILLINOIS ROUTE 161 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 26
DRAWN BY: RJO	
CHECKED BY: MJV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 26 OF 55 SHEETS
PROJECT NUMBER 21-1004

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004_00_Lebanon_Ave_Sht 026 - Road Plans 005.dgn

LAST PLOTTED: 10/6/2022 11:11:54 AM



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-RS	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

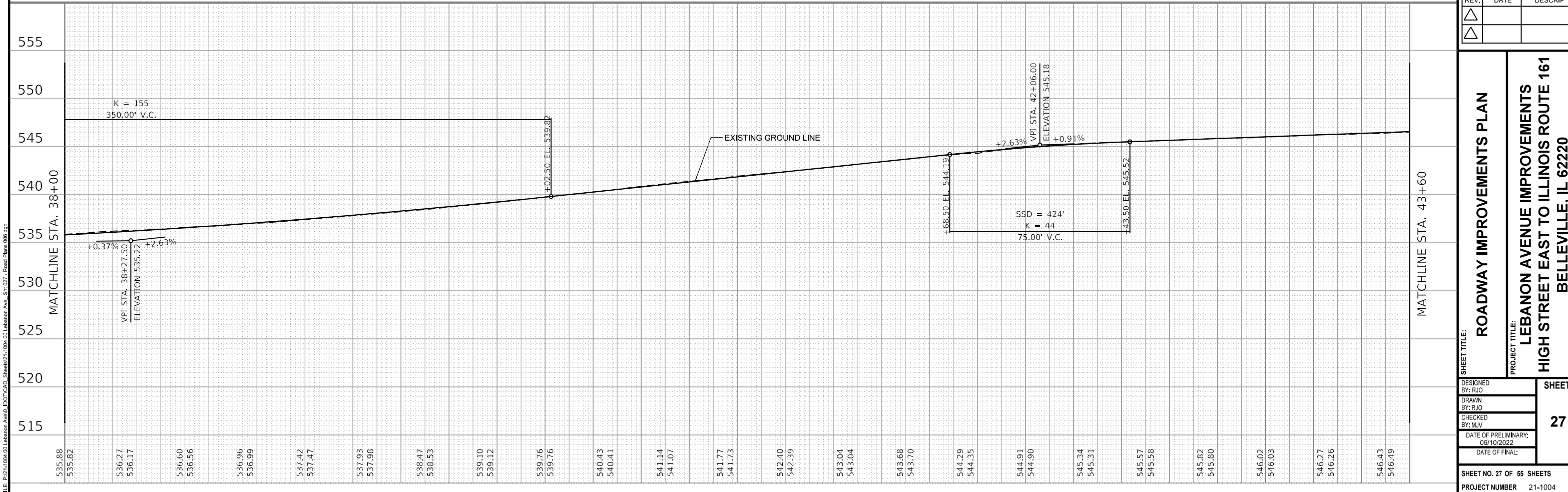
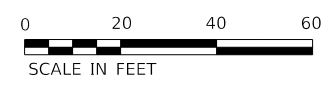
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 Expiration Date: _____

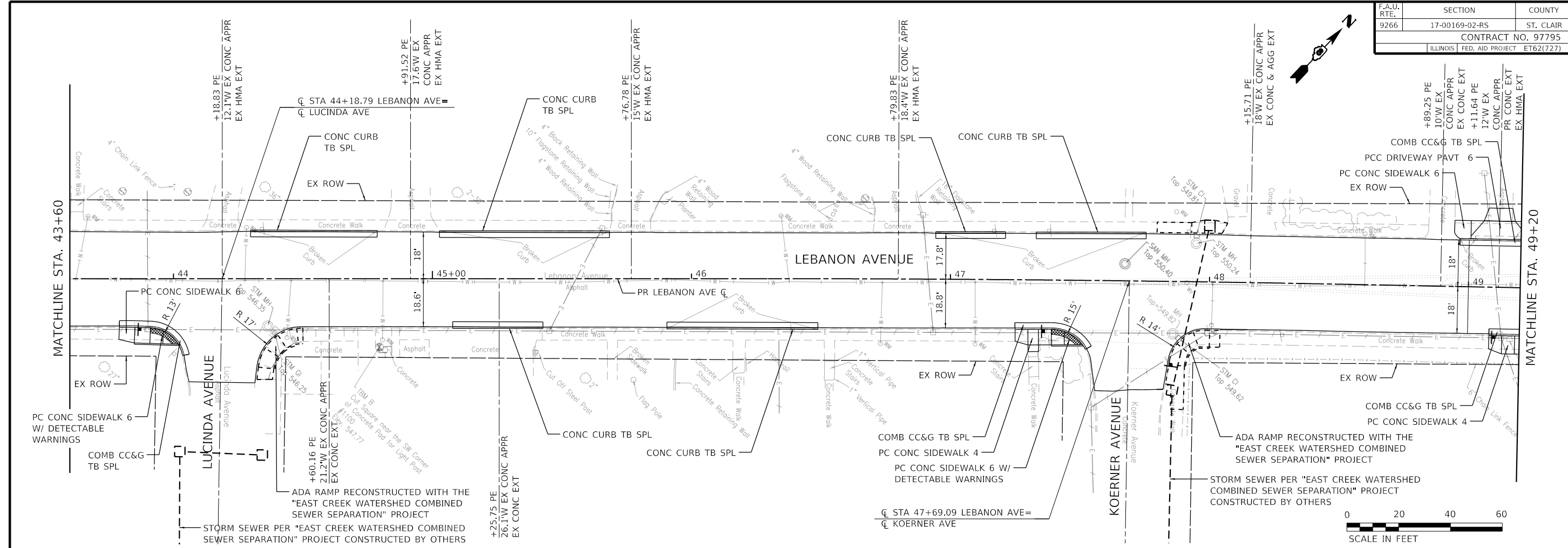


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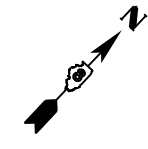
ROADWAY IMPROVEMENTS PLAN

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 27
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	
SHEET NO. 27 OF 55 SHEETS	
PROJECT NUMBER 21-1004	



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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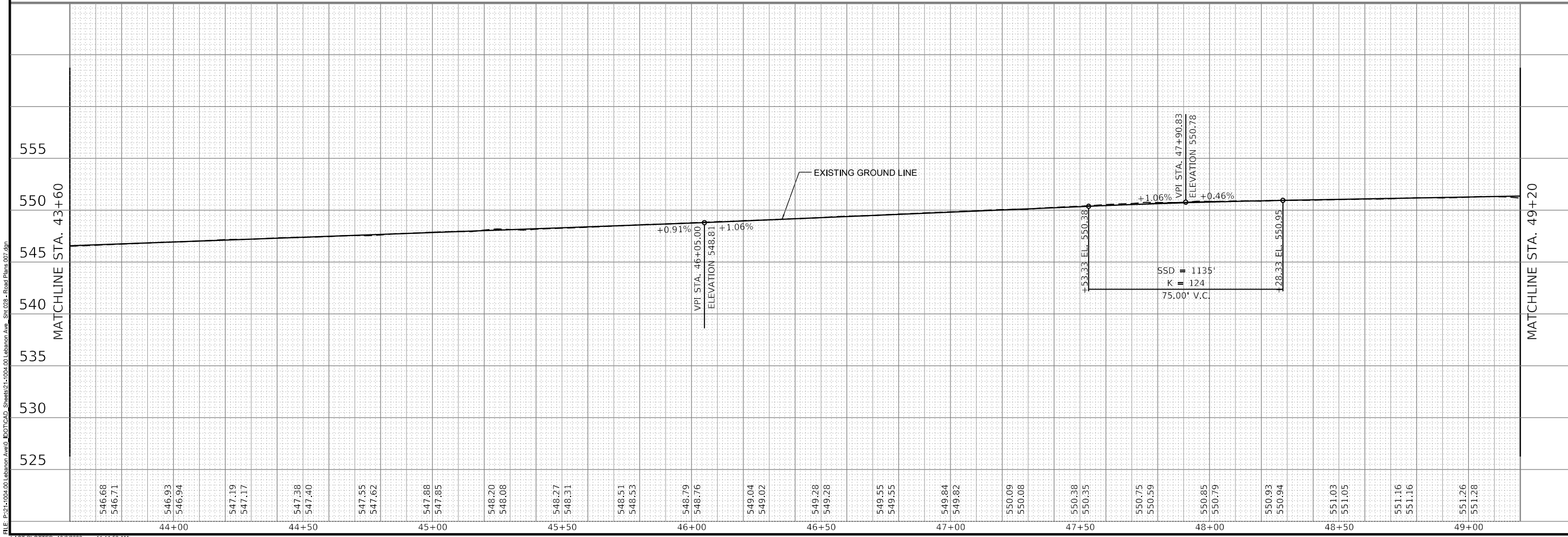
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LICENSE NO. 184-004773
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PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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ROADWAY IMPROVEMENTS PLAN

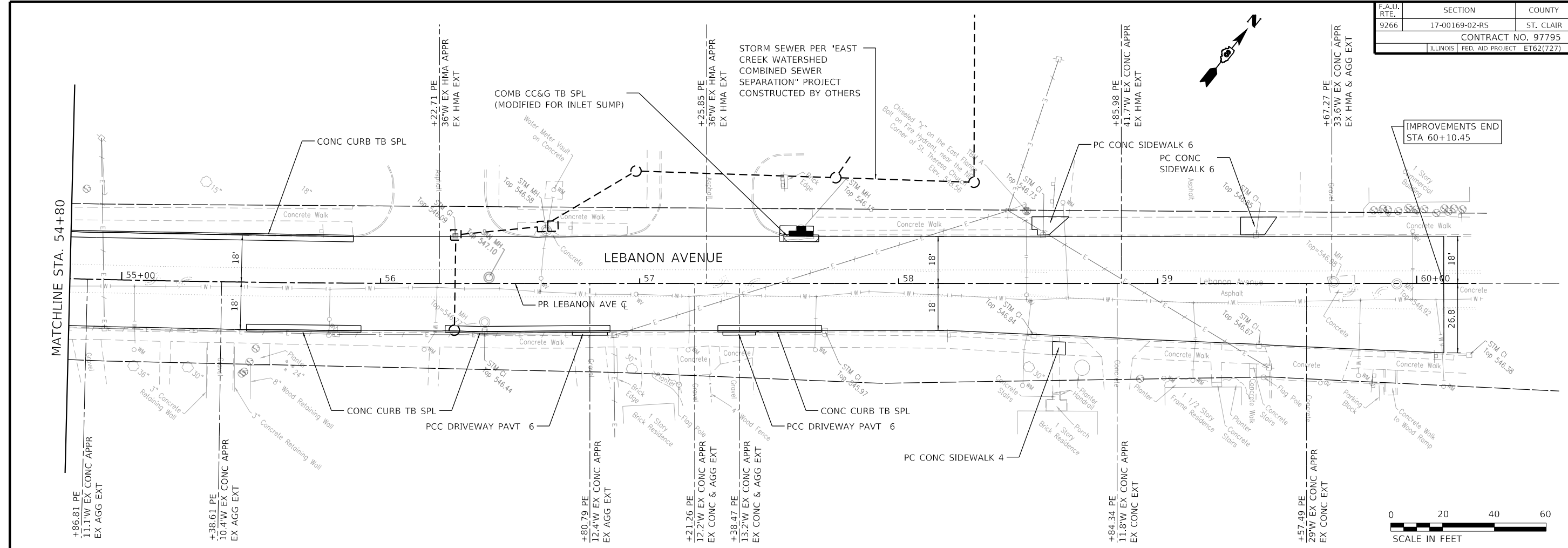
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

SHEET TITLE: _____
 PROJECT TITLE: _____

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV

DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 28 OF 55 SHEETS
 PROJECT NUMBER 21-1004



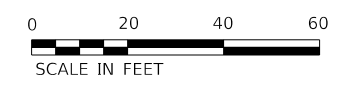
F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LICENSE NO. 184-004773
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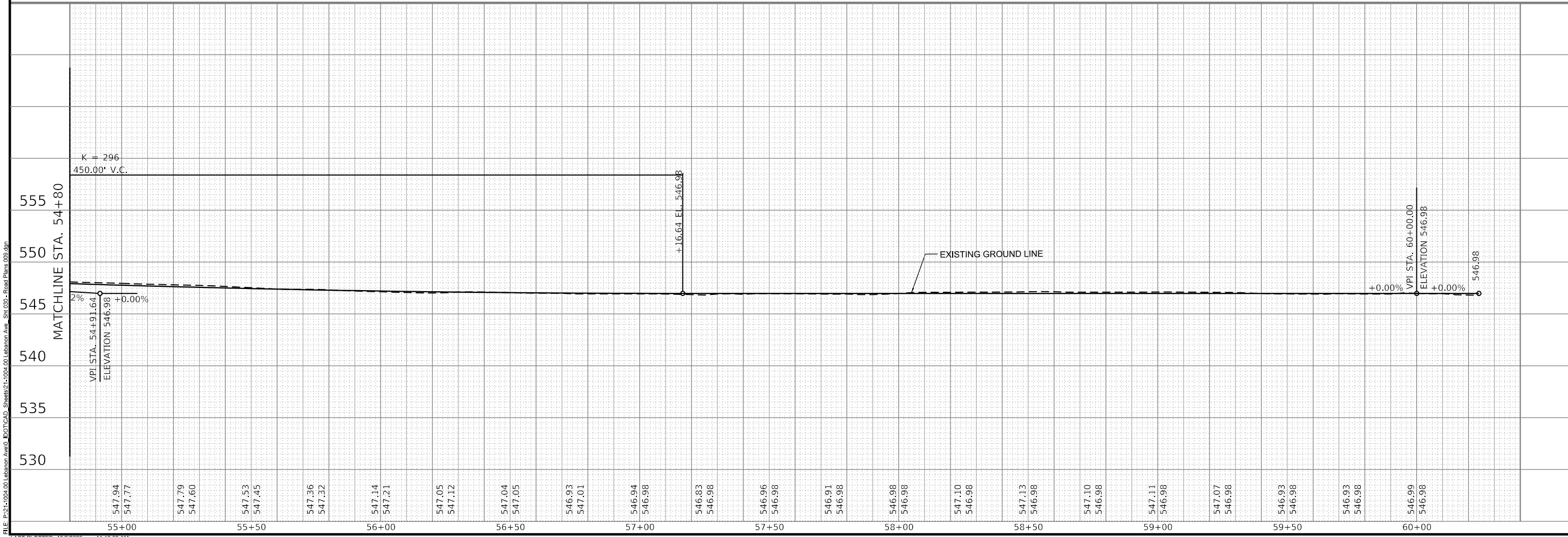
PREPARED BY: Kaskaskia Engineering Group, LLC

PROFESSIONAL REGISTRATIONS
 Illinois Professional Design Firm
 Professional Engineering Group



Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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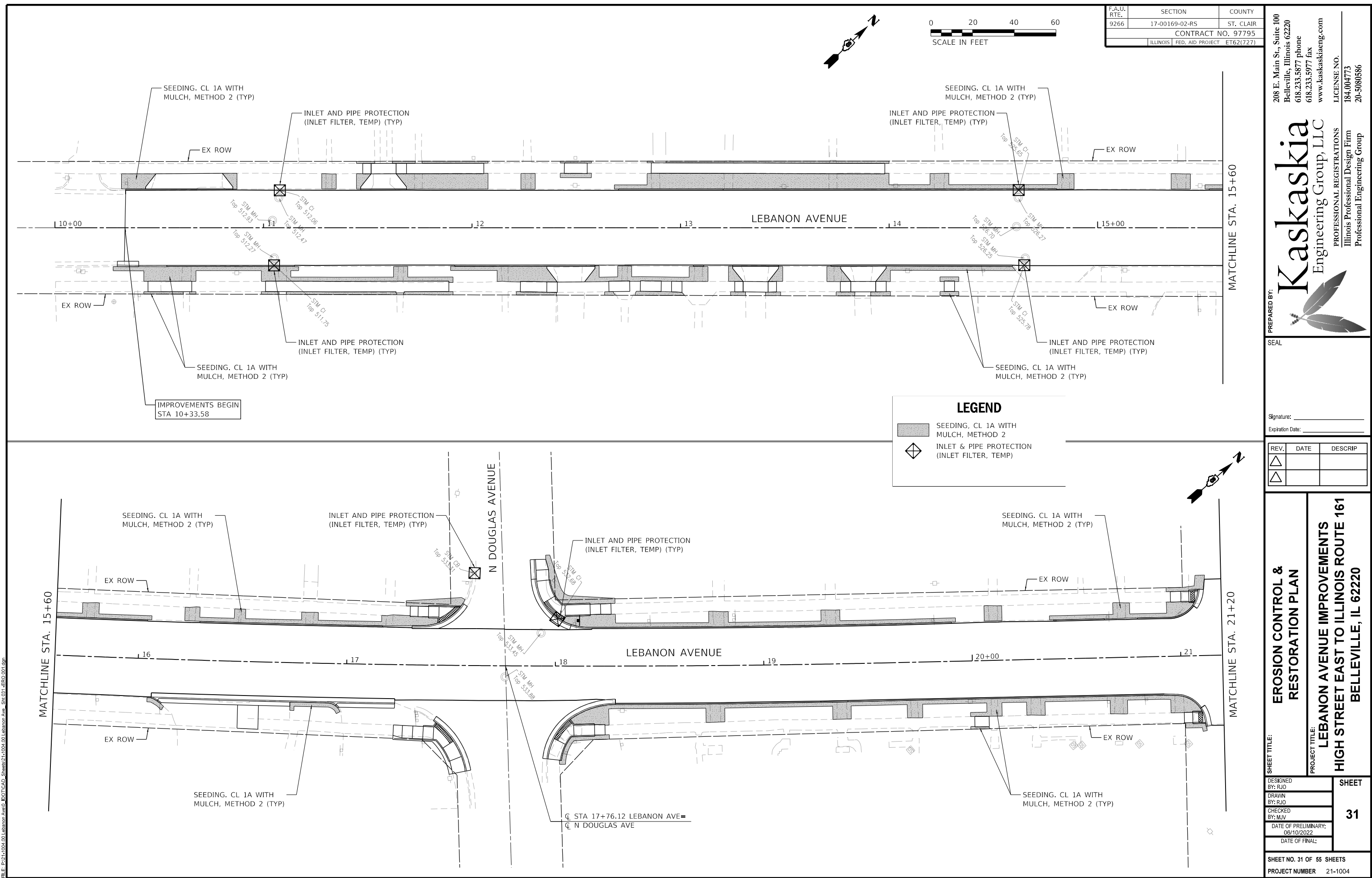
SHEET TITLE: ROADWAY IMPROVEMENTS PLAN

PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLJ
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL:

SHEET 30

SHEET NO. 30 OF 55 SHEETS
 PROJECT NUMBER 21-1004



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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SHEET TITLE: EROSION CONTROL & RESTORATION PLAN

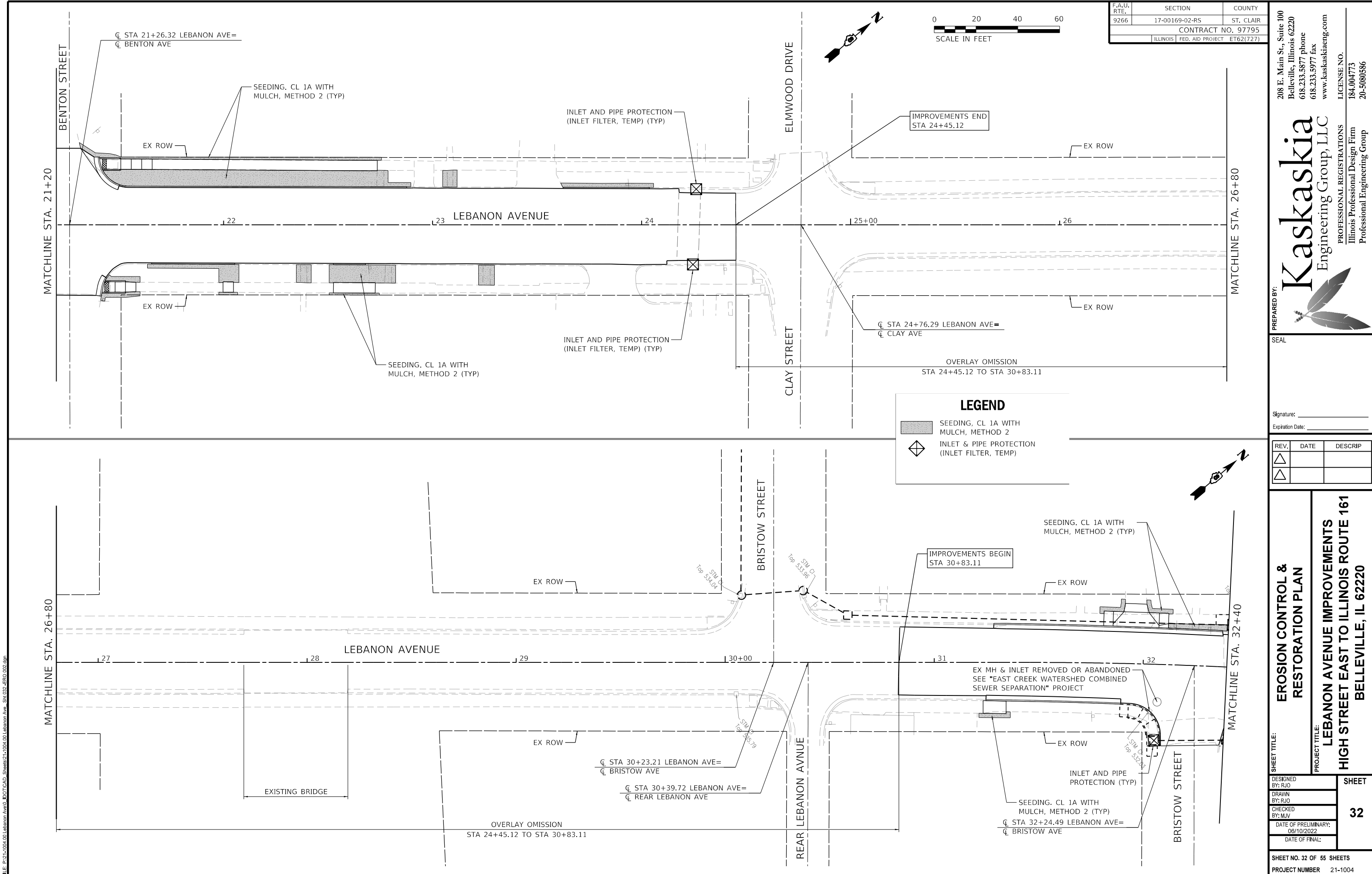
PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS HIGH STREET EAST TO ILLINOIS ROUTE 161 BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLJ

DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 31 OF 55 SHEETS

PROJECT NUMBER 21-1004



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



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 618.233.5877 phone
 618.233.5977 fax
 www.kaskaskiaeng.com

Kaskaskia
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LICENSE NO. 184-004773
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 Signature: _____
 Expiration Date: _____

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EROSION CONTROL & RESTORATION PLAN

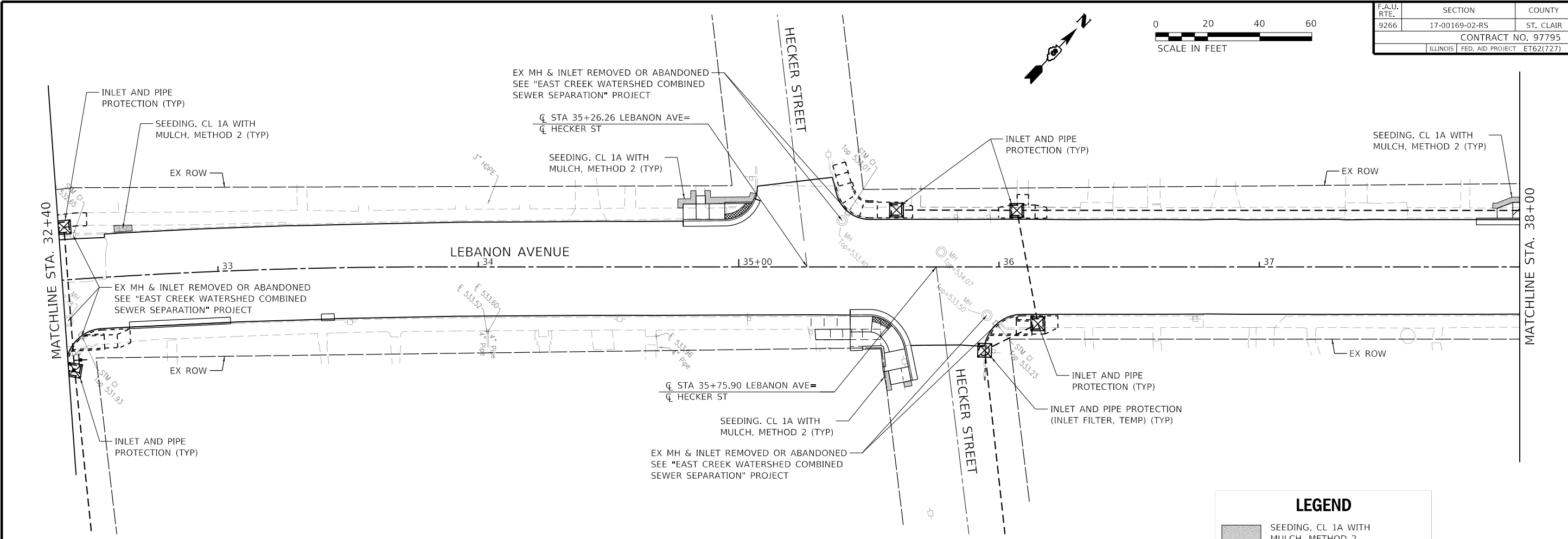
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

SHEET TITLE: _____
 PROJECT TITLE: _____

DESIGNED BY: RJO	SHEET 32
DRAWN BY: RJO	
CHECKED BY: MLJV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL: _____	

SHEET NO. 32 OF 55 SHEETS
 PROJECT NUMBER 21-1004

FILE: P:\21-1004_00_Lebanon_Ave\DOT\CAD_Sheets\21-1004_00_Lebanon_Ave_Sht 32 - ERO 002.dgn



F.A.U. RTE.	SECTION	COUNTY
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CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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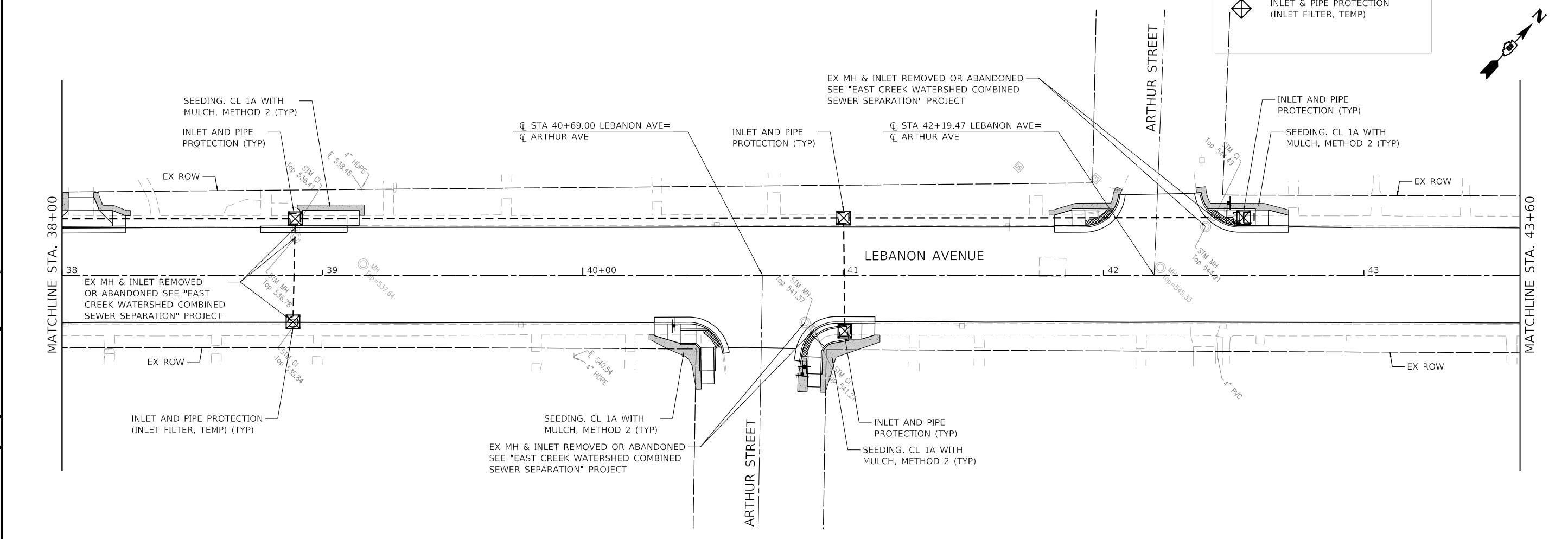
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LICENSE NO. 184-004773
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 Signature: _____
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REV.	DATE	DESCRIP
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LEGEND

- SEEDING, CL 1A WITH MULCH, METHOD 2
- INLET & PIPE PROTECTION (INLET FILTER, TEMP)

EROSION CONTROL & RESTORATION PLAN

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 33
DRAWN BY: RJO	
CHECKED BY: MLJ	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	
SHEET NO. 33 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004_00_Lebanon_Ave_Sht 33-ERO 003.dgn



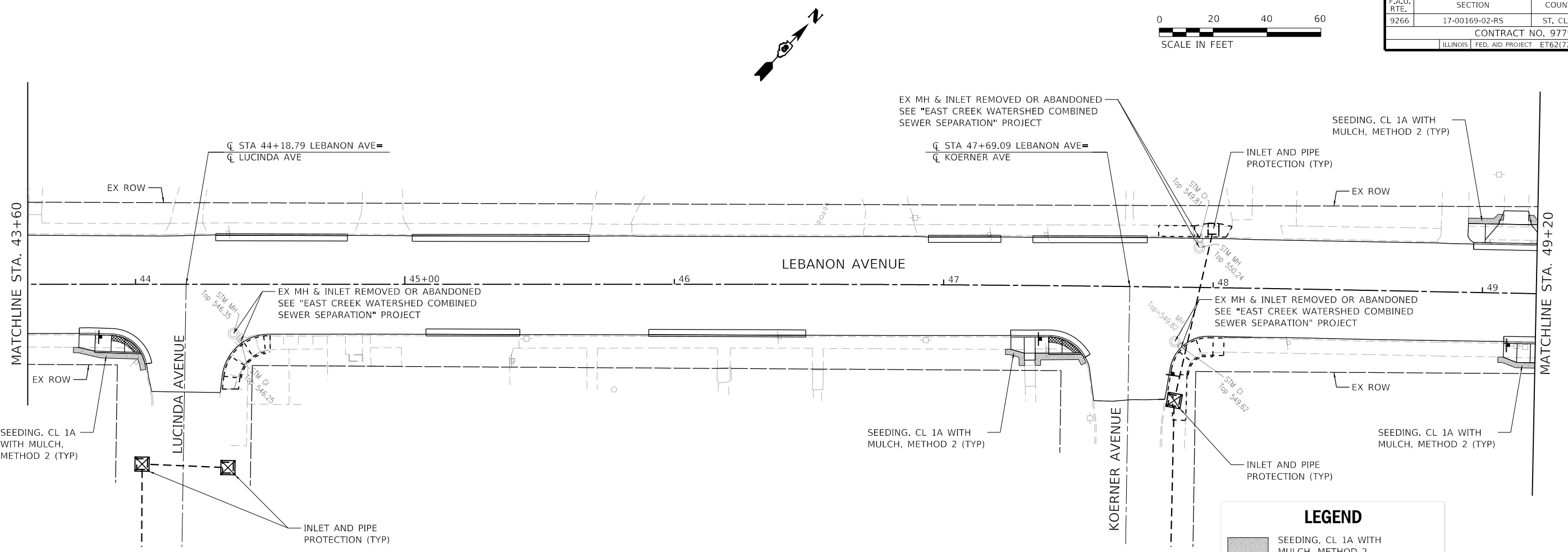
F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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 Belleville, Illinois 62220
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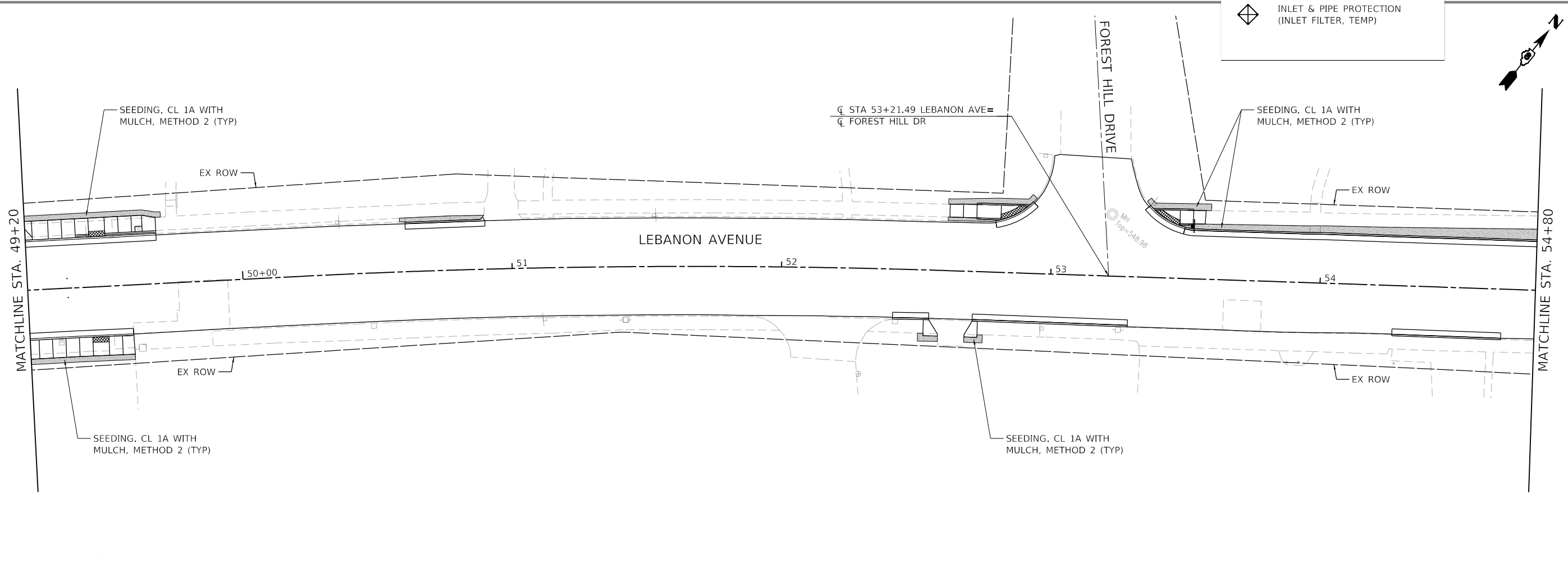
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LICENSE NO. 184-004773
 20-5080586



LEGEND

- SEEDING, CL 1A WITH MULCH, METHOD 2
- INLET & PIPE PROTECTION (INLET FILTER, TEMP)



REV.	DATE	DESCRIP
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△		

SHEET TITLE:
 EROSION CONTROL & RESTORATION PLAN

PROJECT TITLE:
 LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

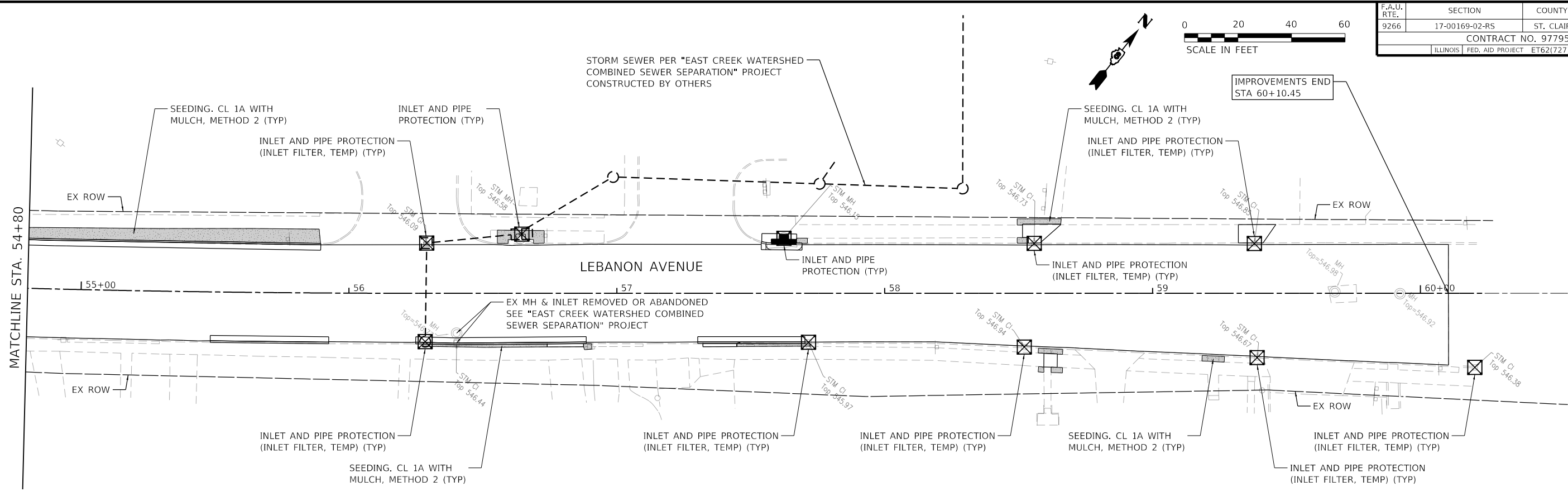
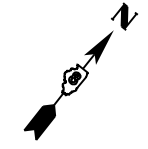
DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLV
 DATE OF PRELIMINARY: 08/10/2022
 DATE OF FINAL:

SHEET 34

SHEET NO. 34 OF 55 SHEETS
 PROJECT NUMBER 21-1004

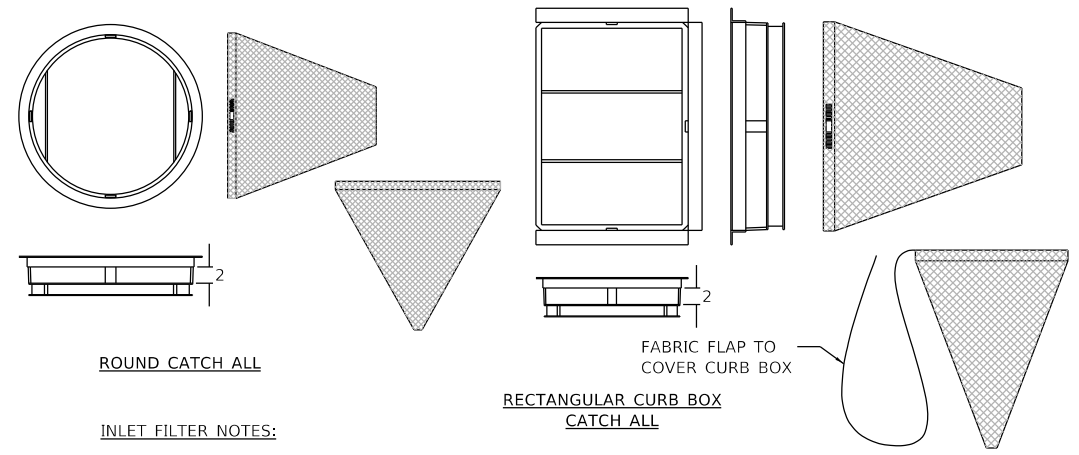
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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



LEGEND

- SEEDING, CL 1A WITH MULCH, METHOD 2
- INLET & PIPE PROTECTION (INLET FILTER, TEMP)



ROUND CATCH ALL

RECTANGULAR CURB BOX CATCH ALL

INLET FILTER NOTES:

FRAME: TOP FLANGE FABRICATED FROM 1 1/4"x1 1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1 1/2"x1/2"x1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1 1/4"x1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

INLET FILTER DETAIL

N.T.S.

PREPARED BY: **Kaskaskia Engineering Group, LLC**

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www.kaskaskiaeng.com

PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

LICENSE NO. 184-004773
20-5080586

SEAL

Signature: _____
Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE:
EXISTING CONDITIONS & REMOVAL PLAN

PROJECT TITLE:
LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 35
DRAWN BY: RJO	
CHECKED BY: MJV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	

SHEET NO. 35 OF 55 SHEETS
PROJECT NUMBER 21-1004

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1		
2	7.23	1.94%
3	5.7	1.93%
4	2.68	1.49%
5	5.00	4.60%
6	5.00	1.60%
7	3.75	1.07%
8	5.00	1.40%
9	3.77	1.33%
10	5.00	1.60%
11	5.00	4.60%
12	5.00	1.40%
1	5.19	1.16%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
2		
4	5.01	1.40%
2		
12	5.00	1.60%
4		
11	5.00	1.60%
5		
10	5.00	1.60%
6		
9	5.00	1.60%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
13		
14	10.98	6.10%
15	5.25	1.52%
16	5.18	0.39%
17	4.89	5.93%
18	5.12	4.30%
19	5.00	1.80%
20	8.28	7.97%
21	5.53	1.45%
22	1.51	0.66%
23	12.00	7.75%
24	5.00	1.60%
25	5.00	1.80%
26	5.10	3.33%
27	5.00	0.20%
28	5.00	1.40%
29	12.00	7.42%
30	2.92	1.37%
31	3.65	1.10%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
31		
32	1.54	1.30%
13	7.33	1.09%
13		
20	6.00	1.50%
14		
19	6.00	1.33%
15		
18	6.00	1.50%
21		
32	6.00	1.50%
22		
29	5.00	0.80%
22		
31	7.00	1.71%
23		
28	5.00	1.60%
24		
27	5.00	1.80%

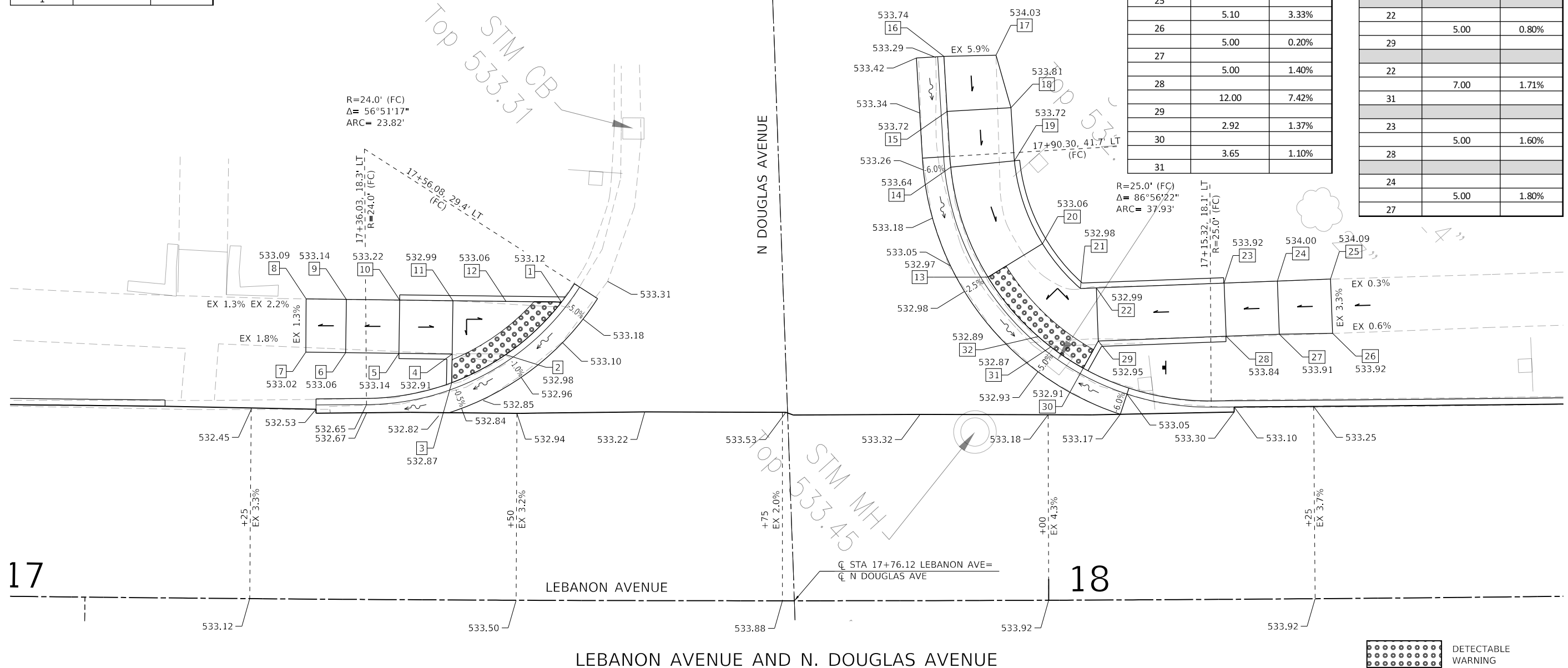
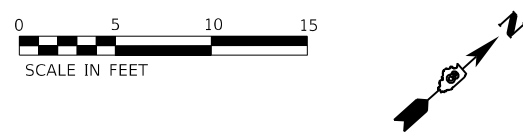
F.A.U. RTE. 9266	SECTION 17-00169-02-RS	COUNTY ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LICENSE NO. 184-004773
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PREPARED BY:

SEAL

Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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△		

SHEET TITLE: **INTERSECTION GRADING PLAN**
LEBANON AVE AND N DOUGLAS AVE

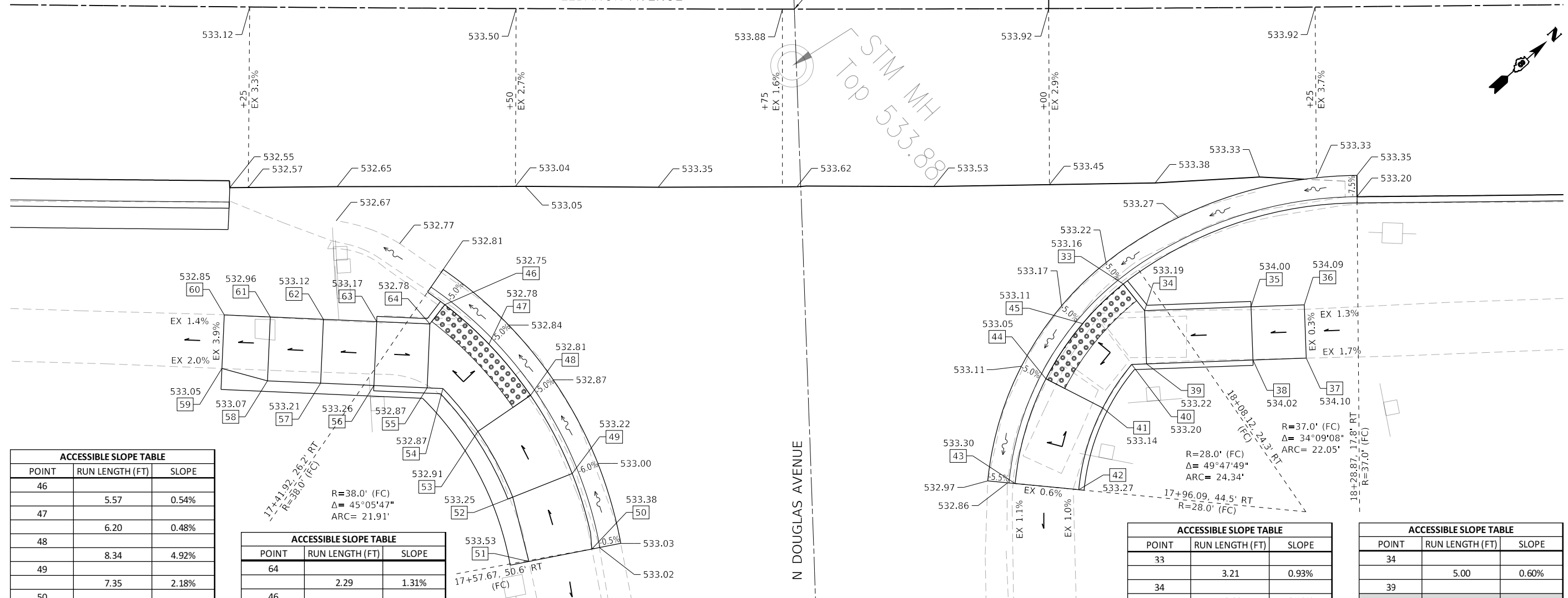
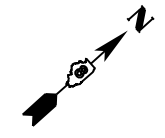
PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS**
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 36
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 36 OF 55 SHEETS
 PROJECT NUMBER 21-1004

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004-00_Lebanon_Ave_Sht 036 -INT_001.dgn

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



POINT	RUN LENGTH (FT)	SLOPE
46		
47	5.57	0.54%
48	6.20	0.48%
49	8.34	4.92%
50	7.35	2.18%
51	6.02	2.49%
52	6.23	4.49%
53	7.00	4.86%
54	5.20	0.77%
55	1.48	0.00%
56	5.00	7.80%
57	5.00	1.00%
58	5.00	2.80%
59	4.43	0.45%
60	5.04	3.97%
61	4.42	2.49%
62	5.00	3.20%
63	5.00	1.00%
64	5.00	7.80%

POINT	RUN LENGTH (FT)	SLOPE
64		
46	2.29	1.31%
47		
54	6.00	1.50%
48		
53	6.00	1.67%
49		
52	6.00	0.50%
55		
64	6.00	1.50%
56		
63	6.00	1.50%
57		
62	6.00	1.50%
58		
61	6.00	1.83%

POINT	RUN LENGTH (FT)	SLOPE
33		
34	3.21	0.93%
35	10.00	8.10%
36	5	1.80%
37	5	0.20%
38	5	1.60%
39	10.00	8.00%
40	1.45	1.38%
41	4.92	1.22%
42	8.05	1.61%
43	5.48	0.55%
44	10.31	2.42%
45	6.30	0.95%
33	5.27	0.95%

POINT	RUN LENGTH (FT)	SLOPE
34		
39	5.00	0.60%
35		
38	5.00	0.40%
40		
45	6.00	1.50%
41		
44	6.00	1.50%

LEBANON AVENUE AND N. DOUGLAS AVENUE



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 20-5080586

REV.	DATE	DESCRIP
△		
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SHEET TITLE: **INTERSECTION GRADING PLAN**
LEBANON AVE AND N DOUGLAS AVE

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS**
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

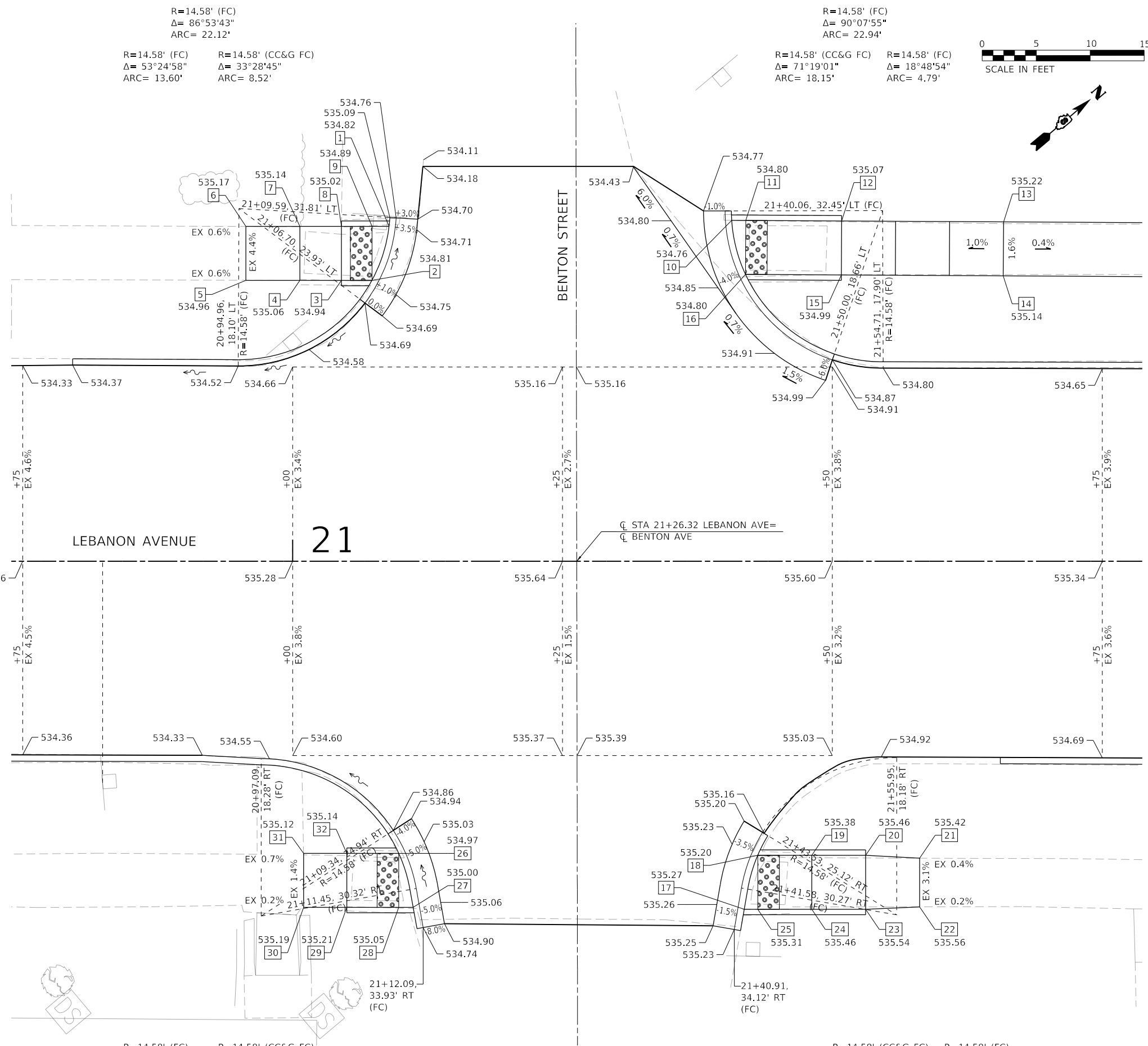
DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV

DATE OF PRELIMINARY: 08/10/2022
 DATE OF FINAL:

SHEET NO. 37 OF 55 SHEETS
 PROJECT NUMBER 21-1004

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1		
2	5.28	0.19%
3	2.83	4.59%
4	3.84	3.12%
5	5.00	2.00%
6	5.00	4.20%
7	5.00	0.60%
8	3.84	3.13%
9	2.83	4.59%
1	1.59	4.40%
2		
9	5.00	1.60%
3		
8	5.00	1.60%
4		
7	5.00	1.60%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
26		
27	5.19	0.58%
28	1.34	3.73%
29	4.81	3.33%
30	4.00	0.50%
31	5.00	1.40%
32	4.00	0.50%
26	4.81	3.53%
26		
26	5.00	1.60%
28		
29	5.00	1.60%
32	5.00	1.40%



R=14.58' (FC)
 $\Delta = 86^{\circ}53'43''$
 ARC= 22.12'

R=14.58' (FC) R=14.58' (CC&G FC)
 $\Delta = 53^{\circ}24'58''$ $\Delta = 33^{\circ}28'45''$
 ARC= 13.60' ARC= 8.52'

R=14.58' (FC)
 $\Delta = 90^{\circ}07'55''$
 ARC= 22.94'

R=14.58' (CC&G FC) R=14.58' (FC)
 $\Delta = 71^{\circ}19'01''$ $\Delta = 18^{\circ}48'54''$
 ARC= 18.15' ARC= 4.79'

R=14.58' (FC) R=14.58' (CC&G FC)
 $\Delta = 57^{\circ}05'02''$ $\Delta = 22^{\circ}50'39''$
 ARC= 14.53' ARC= 5.81'

R=14.58' (FC)
 $\Delta = 79^{\circ}55'41''$
 ARC= 20.34'

R=14.58' (CC&G FC) R=14.58' (FC)
 $\Delta = 21^{\circ}46'54''$ $\Delta = 58^{\circ}23'35''$
 ARC= 5.54' ARC= 14.86'

R=14.58' (FC)
 $\Delta = 80^{\circ}10'29''$
 ARC= 20.40'

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
10		
11	1.30	3.08%
12	8.87	3.04%
13	15.00	1.00%
14	5.00	1.60%
15	15.00	1.00%
16	8.87	2.14%
10	5.20	0.77%
11		
16		
12	5.00	0.00%
15		
15	5.00	1.60%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
17		
18	5.17	1.35%
19	5.00	3.60%
20	5.00	1.60%
21	5.01	0.80%
22	4.51	3.10%
23	5.00	0.40%
24	5.00	1.60%
25	5.00	3.60%
17	1.25	0.80%
18		
25	5.00	1.60%
19		
24	5.00	1.60%
20		
23	5.00	1.60%



DETECTABLE WARNING

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 618.233.5977 fax
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 LICENSE NO. 184-004773
 20-5080586

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△		

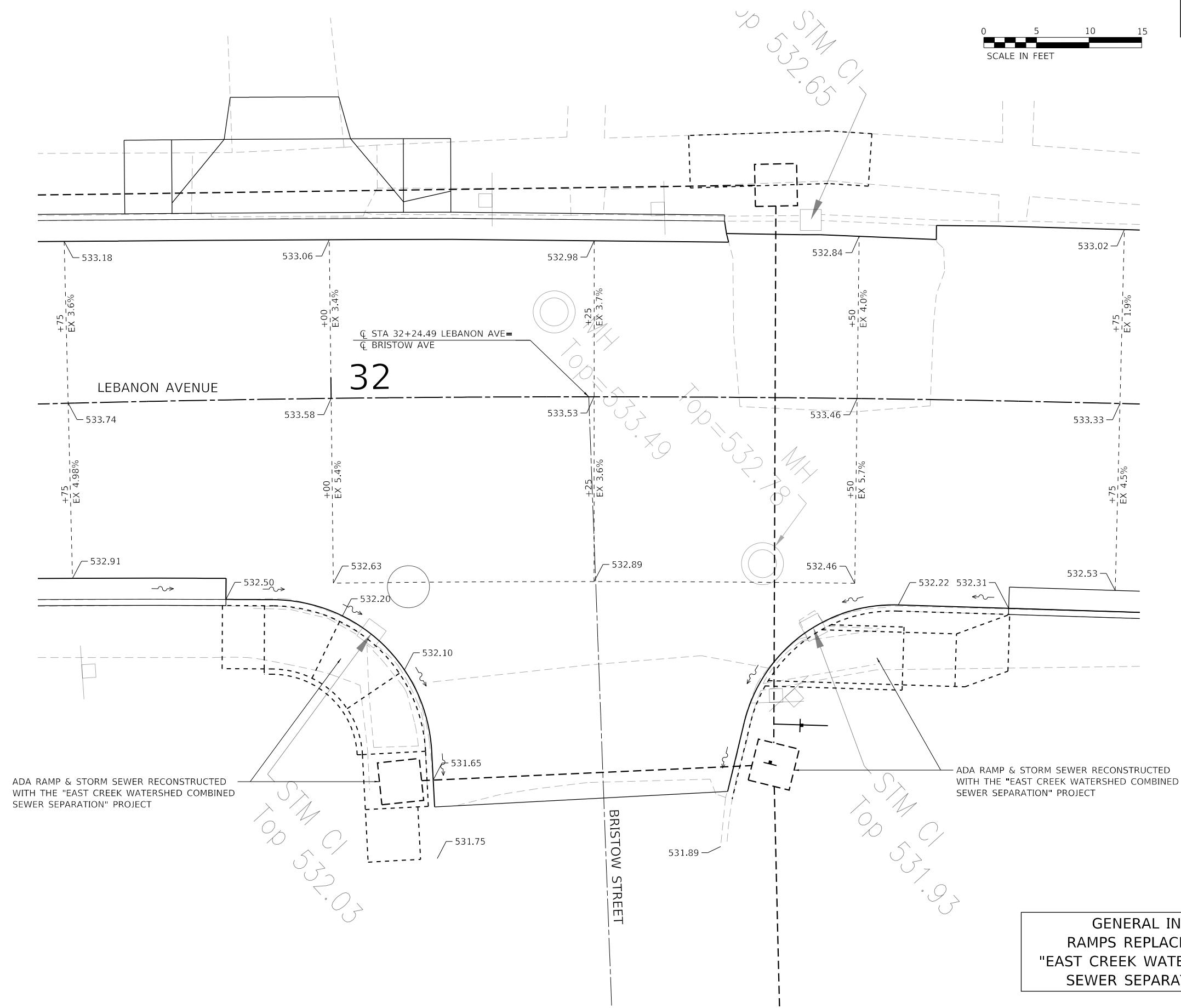
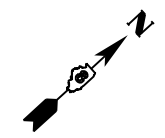
SHEET TITLE: INTERSECTION GRADING PLAN
 LEBANON AVE AND BENTON ST
 PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLV

DATE OF PRELIMINARY: 08/10/2022
 DATE OF FINAL:

SHEET NO. 38 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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 Illinois Professional Design Firm
 Professional Engineering Group

LICENSE NO. 184-004773
 20-5080586

PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: **INTERSECTION GRADING PLAN
 LEBANON AVE AND BRISTOW ST (SOUTH)**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

**GENERAL INFORMATION
 RAMPS REPLACED UNDER THE
 "EAST CREEK WATERSHED COMBINED
 SEWER SEPARATION" PROJECT**

DESIGNED BY: RJO	SHEET 39
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

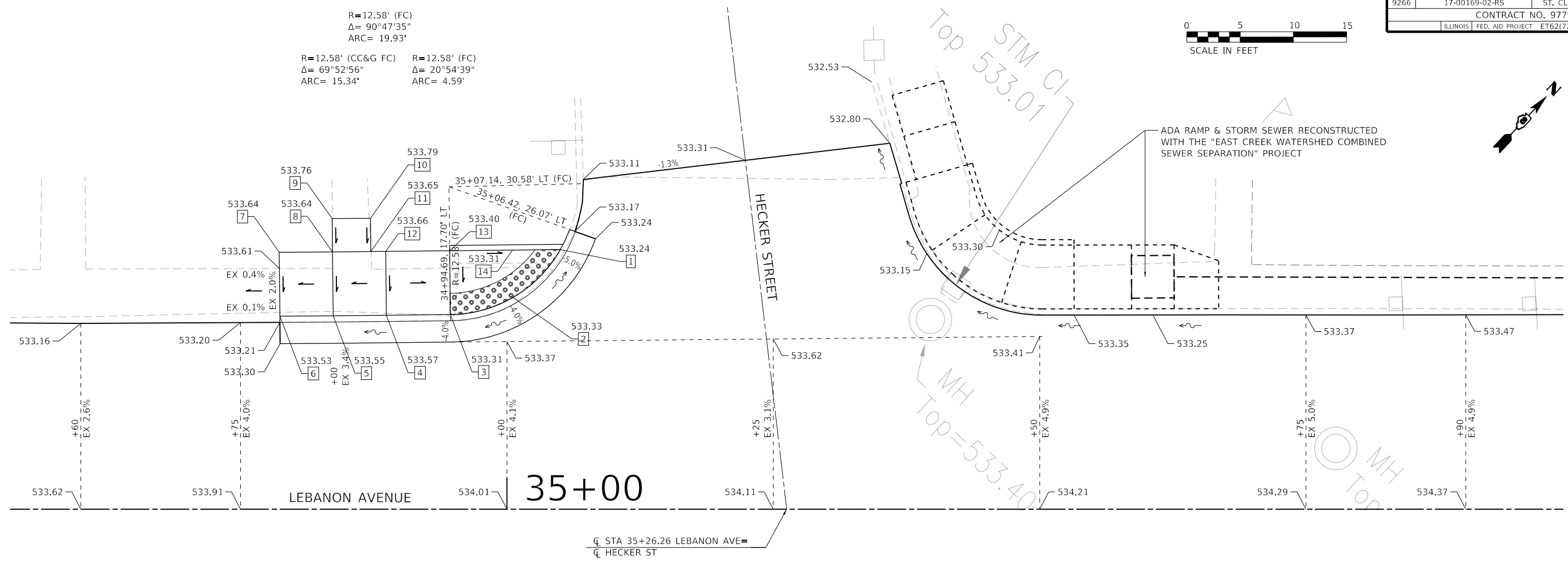
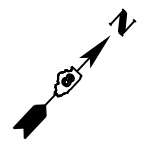


LEBANON AVENUE AND BRISTOW ST (SOUTH)

ADA RAMP & STORM SEWER RECONSTRUCTED WITH THE "EAST CREEK WATERSHED COMBINED SEWER SEPARATION" PROJECT

ADA RAMP & STORM SEWER RECONSTRUCTED WITH THE "EAST CREEK WATERSHED COMBINED SEWER SEPARATION" PROJECT

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



R=12.58' (FC)
 $\Delta = 90^\circ 47' 35''$
 ARC= 19.93'

R=12.58' (CC&G FC) R=12.58' (FC)
 $\Delta = 69^\circ 52' 56''$ $\Delta = 20^\circ 54' 39''$
 ARC= 15.34' ARC= 4.59'

ADA RAMP & STORM SEWER RECONSTRUCTED WITH THE "EAST CREEK WATERSHED COMBINED SEWER SEPARATION" PROJECT

POINT	RUN LENGTH (FT)	SLOPE
1	6.41	1.40%
2	6.16	0.32%
3	6.00	4.33%
4	5.00	0.40%
5	5.00	0.40%
6	6.00	2.00%
7	5.00	0.20%
8	3.14	3.82%
9	3.60	0.83%
10	3.13	4.47%
11	1.40	0.71%
12	6.00	4.33%
13	5.89	1.53%
14	4.50	1.56%
1		

POINT	RUN LENGTH (FT)	SLOPE
2		
14	1.30	1.54%
3		
13	15.00	0.60%
4		
12	15.00	0.60%
5		
8	5.20	1.73%
8		
11	5.00	0.20%

CL STA 35+26.26 LEBANON AVE=
 CL HECKER ST

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 www.kaskaskiaeng.com

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LICENSE NO. 184-004773
 20-5080586

PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: **INTERSECTION GRADING PLAN**
LEBANON AVE AND HECKER ST (NORTH)

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS**
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 40 OF 55 SHEETS
 PROJECT NUMBER 21-1004



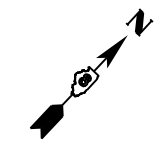
LEBANON AVENUE AND HECKER ST (NORTH)

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004-00_Lebanon_Ave_Sht 40 - INT.dwg

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
46		
	10.38	4.05%
47		
	7.00	0.57%
48		
	5.45	1.28%
49		
	2.93	9.90%
50		
	5.00	0.60%
51		
	5.45	2.57%
52		
	1.97	1.52%
53		
	1.90	3.16%
54		
	1.17	0.85%
55		
	5.25	0.57%
56		
	1.75	4.00%
57		
	1.74	3.45%
58		
	7.00	0.57%
59		
	1.59	2.52%
60		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
60		
	4.75	2.53%
61		
	4.28	2.34%
62		
	13.28	0.00%
63		
	4.01	1.75%
64		
	13.49	0.07%
65		
	4.91	0.00%
66		
	8.69	3.68%
67		
	4.19	0.48%
68		
	4.05	0.25%
46		
46		
	6.00	1.50%
70		
47		
	6.00	0.00%
69		
	1.95	0.00%
56		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
48		
	7.83	1.40%
52		
62		
	2.91	2.41%
73		
	1.09	0.92%
65		
67		
	6.00	1.50%
72		
68		
	6.00	1.50%
71		
69		
	6.71	4.92%
70		
	2.24	0.45%
71		
	2.1	0.95%
72		
	8.01	3.00%
73		



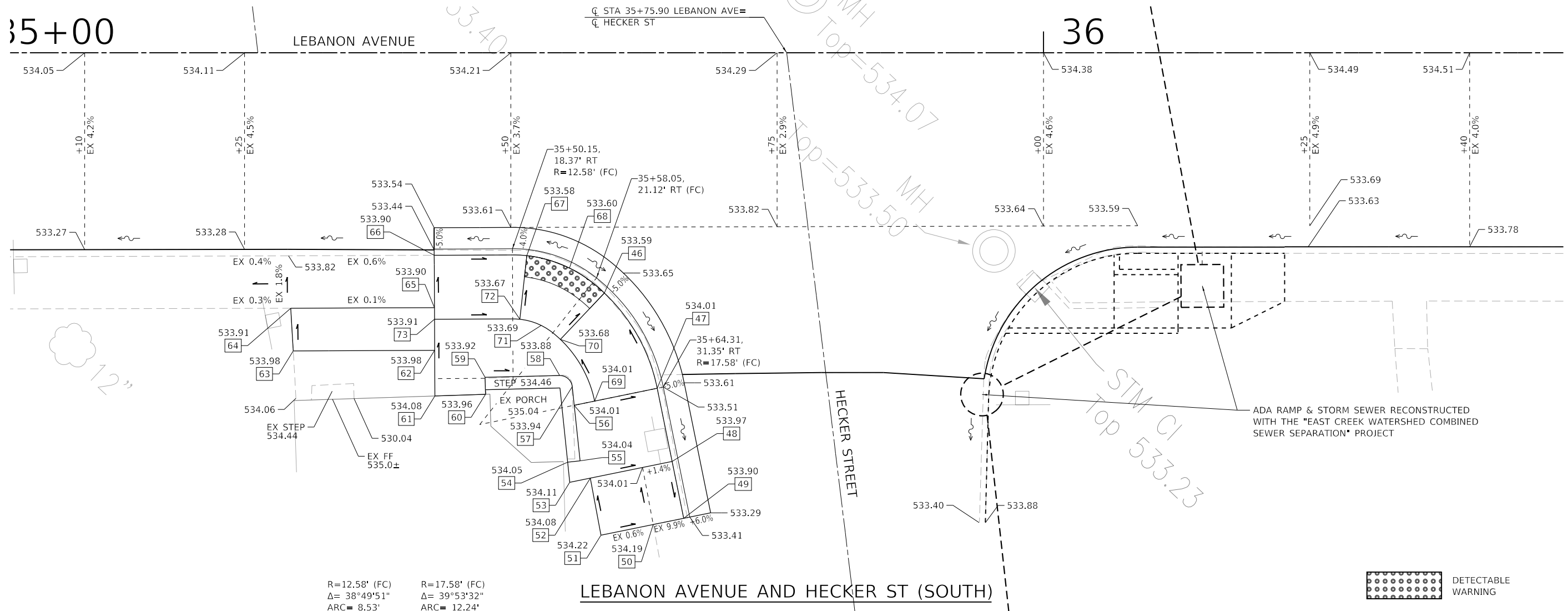
F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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 Belleville, Illinois 62220
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LICENSE NO. 184-004773
 20-5080586



R=12.58' (FC) R=17.58' (FC)
 $\Delta = 38^\circ 49' 51''$ $\Delta = 39^\circ 53' 32''$
 ARC = 8.53' ARC = 12.24'

LEBANON AVENUE AND HECKER ST (SOUTH)



Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: **INTERSECTION GRADING PLAN
 LEBANON AVE AND HECKER ST (SOUTH)**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 41
DRAWN BY: RJO	
CHECKED BY: MJV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 41 OF 55 SHEETS
 PROJECT NUMBER 21-1004

FILE: P:\21-1004-00_Lebanon Ave\DOT\CAD_Sheets\21-1004.00_Lebanon Ave_Sht 041_INT.dwg

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1	TOP OF 0.5" CURB	
	2.98	1.68%
2		
	4.14	1.93%
3	TOP OF 0.5" CURB	
	2.72	0.74%
4		
	9.00	8.11%
5		
	5.00	1.60%
6		
	5.00	0.40%
7		
	5.00	1.60%
8		
	9.00	7.89%
9		
	2.45	1.63%
10		
	6.00	2.33%
11		
	5.22	3.07%
12		
	5.22	0.19%
13		
	4.50	3.78%
14		
	5.00	1.80%
15		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
15		
	5	2.60%
16		
	3.34	6.59%
17		
	2.68	6.34%
18		
	5.51	3.99%
1	TOP OF 6" CURB	
1	TOP OF 0.5" CURB	
	5.00	0.60%
19		
	6.00	2.33%
20		
2		
	7.06	1.42%
9		
4		
	5.00	0.00%
9		
5		
	5.00	0.40%
8		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
10		
	5.00	1.60%
19	TOP OF SW	
19	TOP OF 3" CURB	
	1.72	2.33%
18		
11		
	5.00	1.60%
20		
	2.5	1.60%
16		
12		
	6.00	1.50%
15		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
21	TOP OF 0.5" CURB	
	4.81	0.83%
22		
	4.60	0.43%
23	TOP OF 0.5" CURB	
23	TOP OF 6" CURB	
	10.86	2.39%
24		
	4.89	1.64%
25		
	5.00	2.00%
26		
	5.00	1.00%
27		
	4.42	4.52%
28		
	5.24	1.15%
29		
	5.00	2.00%
30		
	10.00	7.80%
31		
	2.12	0.00%
32		
	2.26	1.33%
33		
	6.50	8.00%
34		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
34		
	5.00	0.40%
35		
	5.00	0.20%
36		
	5.00	1.20%
37		
	6.50	8.00%
38		
	2.53	1.19%
21	TOP OF 0.5" CURB	
22		
	7.00	1.29%
32		
23		
	2.00	1.50%
39		
	5.00	1.60%
31		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
25		
	6.00	1.50%
30		
26		
	6.00	1.50%
29		
33		
	5.00	1.40%
38		
34		
	5.00	1.40%
37		
39		
	13.27	5.80%
40		
	5.00	1.80%
30		



F.A.U. RTE. 9266	SECTION 17-00169-02-R5	COUNTY ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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LICENSE NO. 184-004773
 20-5080586

PREPARED BY: _____

SEAL

Signature: _____

Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

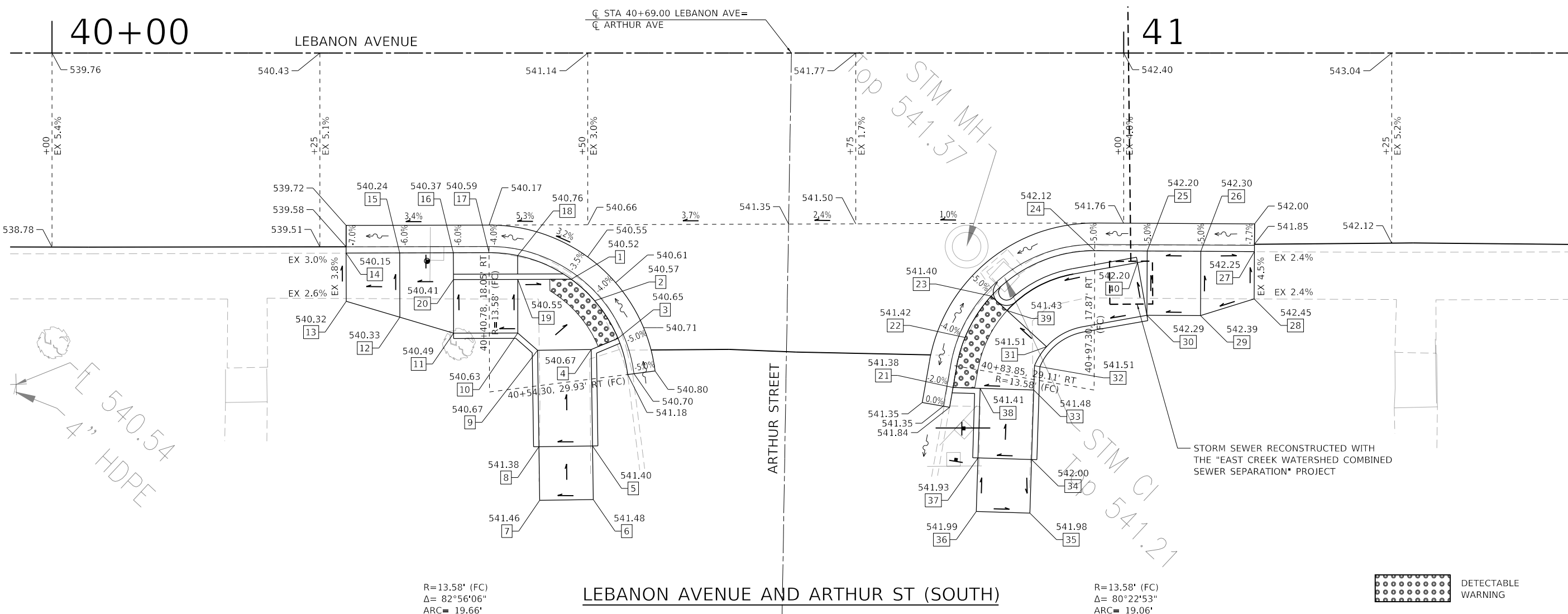
SHEET TITLE: **INTERSECTION GRADING PLAN**
LEBANON AVE AND ARTHUR ST (SOUTH)

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS**
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLJV

DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 42 OF 55 SHEETS
 PROJECT NUMBER 21-1004



R=13.58' (FC)
 Δ= 82°56'06"
 ARC= 19.66'

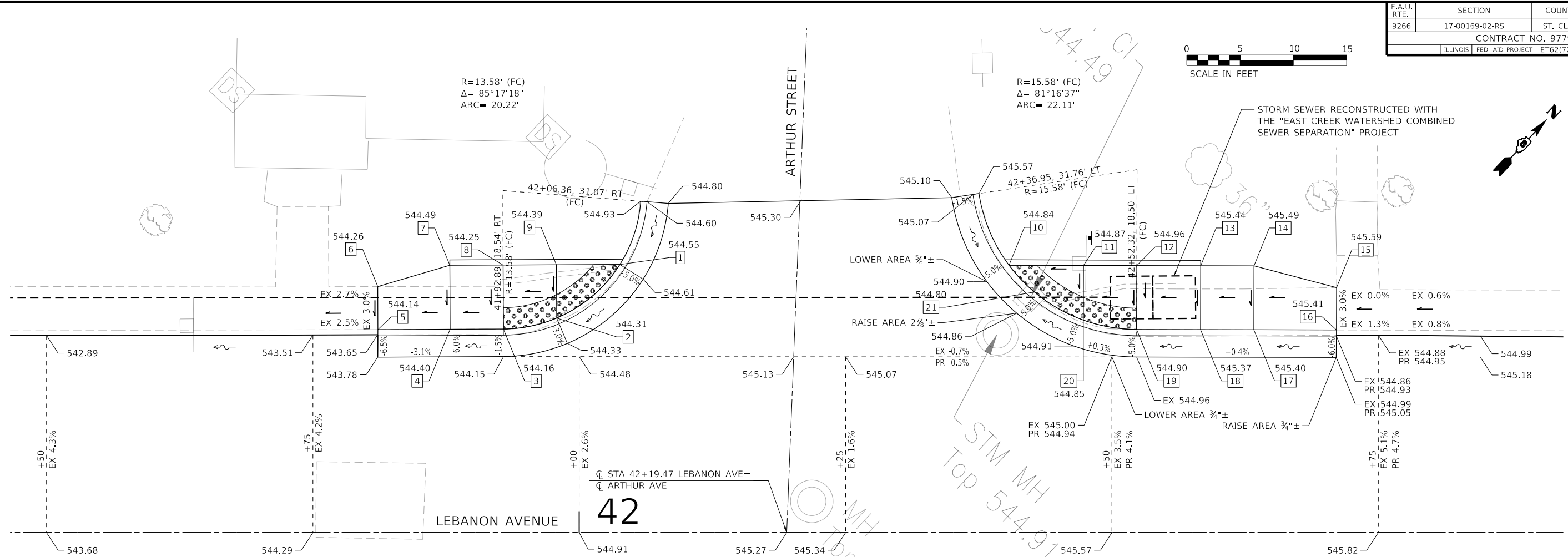
LEBANON AVENUE AND ARTHUR ST (SOUTH)

R=13.58' (FC)
 Δ= 80°22'53"
 ARC= 19.06'



FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004-00_Lebanon_Ave_Sht_42_INT_007.dgn

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



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LICENSE NO. 184-004773
20-5080586

PREPARED BY: _____

SEAL

Signature: _____

Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

POINT	RUN LENGTH (FT)	SLOPE
1		
2	7.9	3.04%
3	5.13	2.92%
4	5.00	4.80%
5	6.78	3.83%
6	4.03	2.98%
7	7.06	3.26%
8	5.00	4.80%
9	5.00	2.80%
1	5.95	2.69%

POINT	RUN LENGTH (FT)	SLOPE
2	5.00	1.60%
3		
8	6.00	1.50%
4		
7	6.00	1.50%

POINT	RUN LENGTH (FT)	SLOPE
10		
11	7.00	0.43%
12	5.00	1.80%
13	6.00	8.00%
14	5.00	1.00%
15	8.01	1.25%
16	3.97	4.53%
17	7.75	0.13%
18	5.00	0.60%
19	6.00	7.83%
20	5.10	0.98%
21	5.33	0.94%
10	3.49	1.15%

POINT	RUN LENGTH (FT)	SLOPE
11		
20	5.14	0.39%
12		
19	6.00	1.00%
13		
18	6.00	1.17%
14		
17	6.00	1.50%



LEBANON AVENUE AND ARTHUR ST (NORTH)

SHEET TITLE: INTERSECTION GRADING PLAN
LEBANON AVE AND ARTHUR ST (NORTH)

PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

DESIGNED BY: RJO
DRAWN BY: RJO
CHECKED BY: MLV
DATE OF PRELIMINARY: 06/10/2022
DATE OF FINAL: _____

SHEET NO. 43 OF 55 SHEETS
PROJECT NUMBER 21-1004

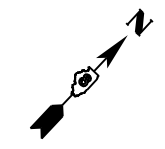
FILE: P:\21-1004-00\Lebanon Ave\DOT\CAD_Sheets\21-1004-00_Lebanon Ave_Sht 43_INT_008.dgn

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1		
2	5.13	1.75%
3	3.72	1.88%
4	4.18	0.00%
5	5.95	0.67%
6	5.00	0.60%
7		
8	6.11	1.64%
9	4.67	1.71%
10	6.00	1.50%
1	6.00	6.00%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1		
6	6.00	1.50%
2		
5	5.00	0.60%
7		
10	6.00	1.50%



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

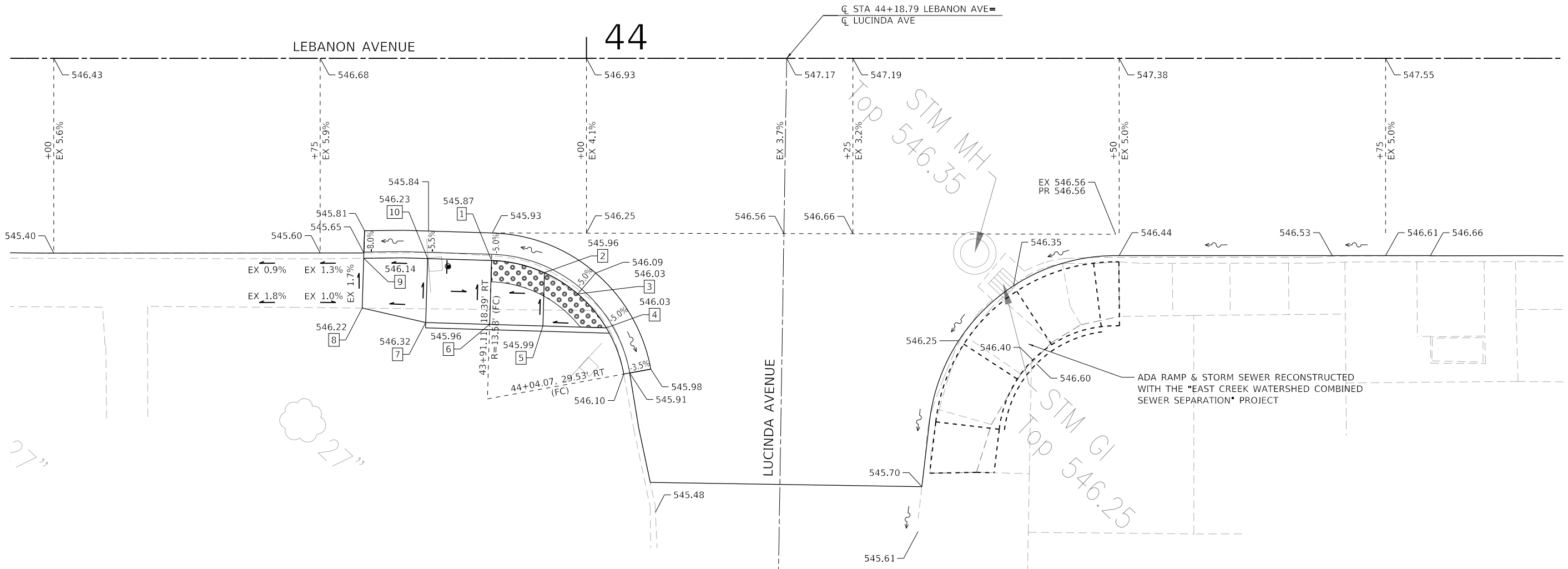


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R=13.58' (FC)
 $\Delta = 77^\circ 59' 30''$
 ARC= 18.49'

LEBANON AVENUE AND LUCINDA AVENUE



Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

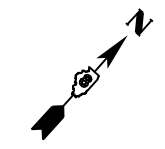
SHEET TITLE:
**INTERSECTION GRADING PLAN
 LEBANON AVE AND LUCINDA AVE**

PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 44
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 44 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		



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 Professional Engineering Group



PREPARED BY: _____
 SEAL

Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
△		
△		

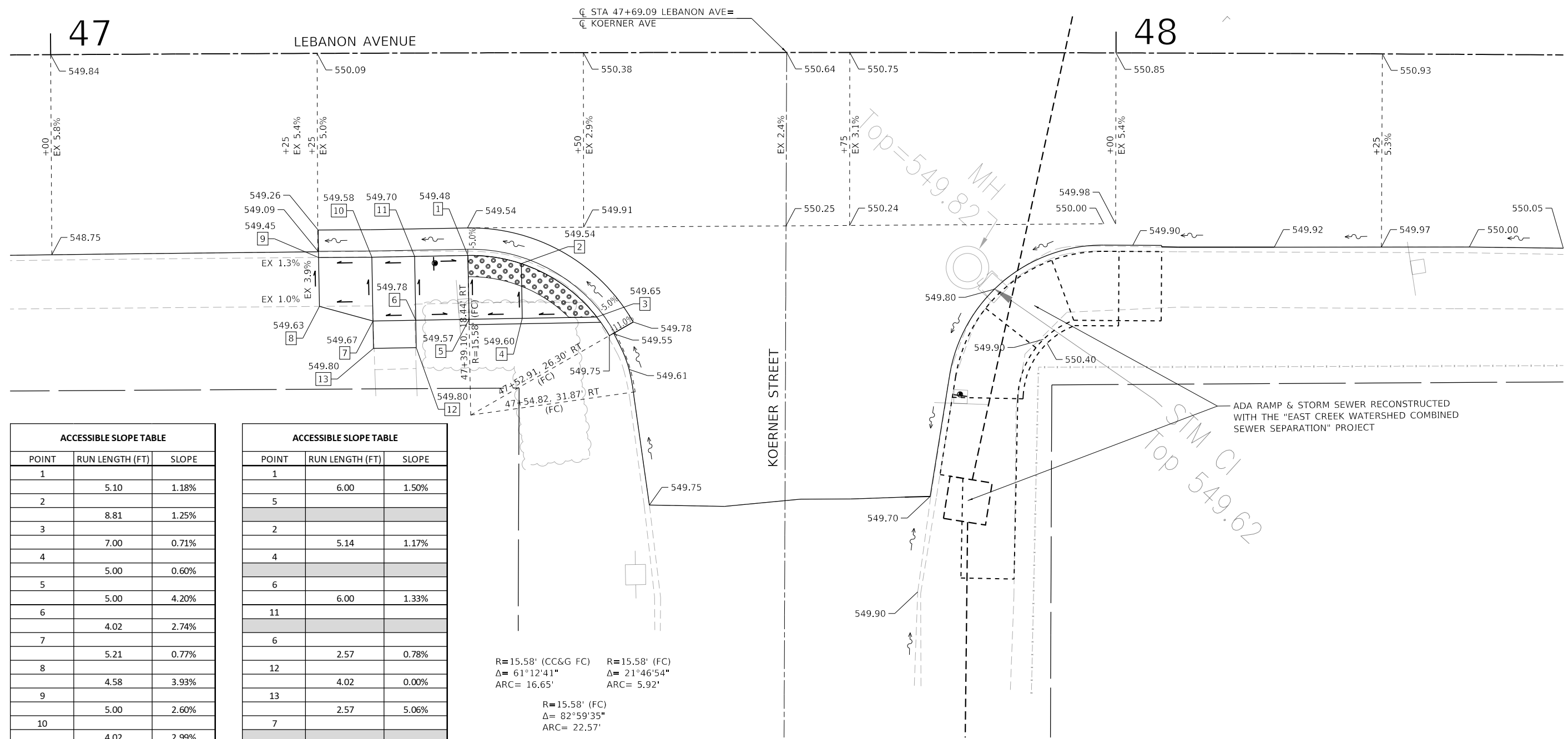
SHEET TITLE:
**INTERSECTION GRADING PLAN
 LEBANON AVE AND KOERNER ST**

PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLJV

DATE OF PRELIMINARY: 08/10/2022
 DATE OF FINAL: _____

SHEET NO. 45 OF 55 SHEETS
 PROJECT NUMBER 21-1004



ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1	5.10	1.18%
2	8.81	1.25%
3	7.00	0.71%
4	5.00	0.60%
5	5.00	4.20%
6	4.02	2.74%
7	5.21	0.77%
8	4.58	3.93%
9	5.00	2.60%
10	4.02	2.99%
11	5.00	4.40%
1	5.00	4.40%

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1	6.00	1.50%
5		
2	5.14	1.17%
4		
6		
11	6.00	1.33%
6		
12	2.57	0.78%
13	4.02	0.00%
7	2.57	5.06%
7		
7		
10	6.00	1.50%

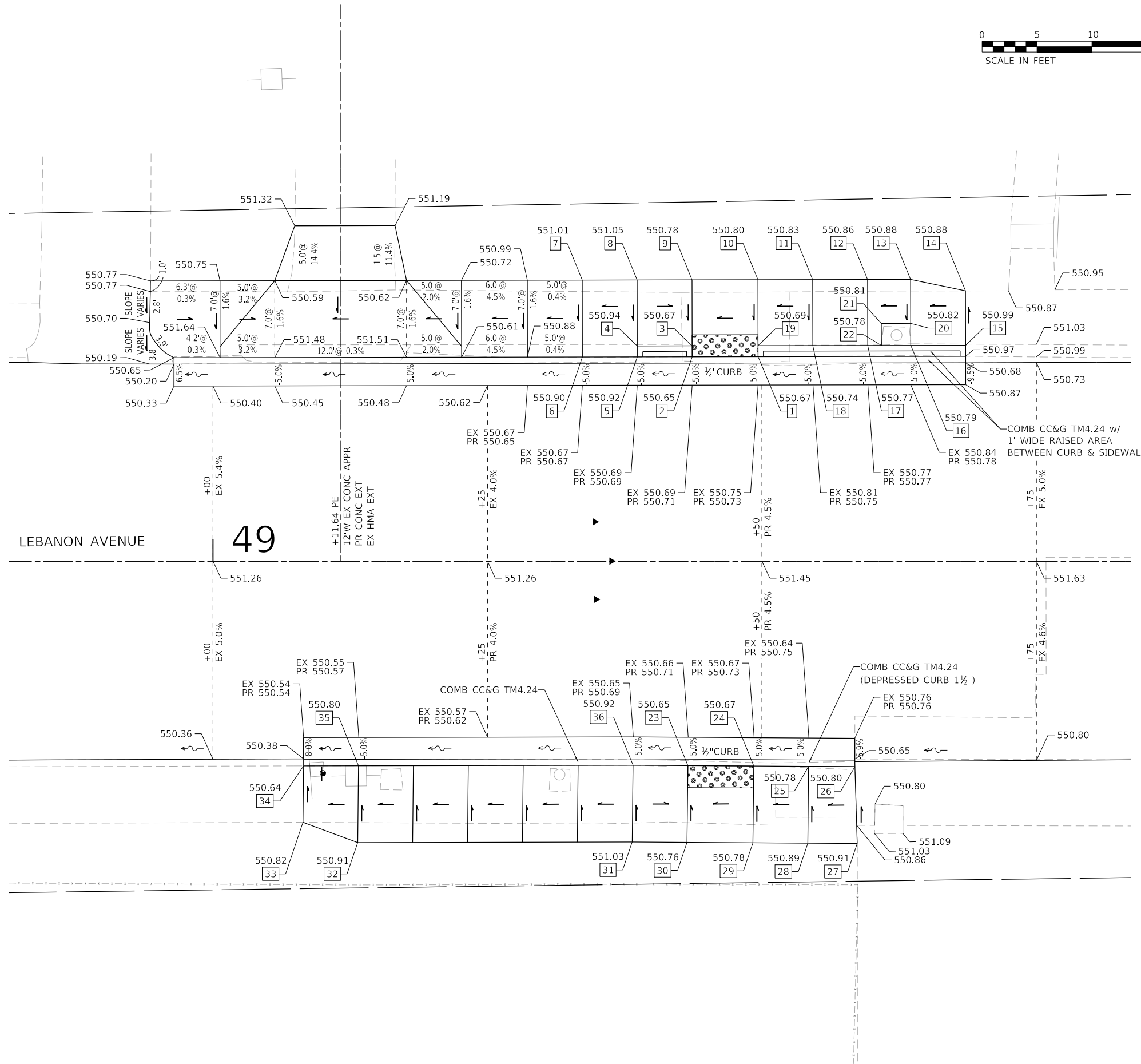
R=15.58' (CC&G FC) Δ= 61°12'41" ARC= 16.65'
 R=15.58' (FC) Δ= 21°46'54" ARC= 5.92'
 R=15.58' (FC) Δ= 82°59'35" ARC= 22.57'

LEBANON AVENUE AND KOERNER STREET



FILE: P:\21-1004-00_Lebanon Ave\DOT\CAD_Sheets\21-1004_00_Lebanon Ave_Sht 045-INT 010.dgn

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1	6.00	0.33%
2	1.00	2.00%
3	5.00	5.40%
4	1.00	2.00%
5	5.00	0.40%
6	7.00	1.57%
7	5.00	0.80%
8	5.00	5.40%
9	6.00	0.33%
10	6.00	0.60%
11	5.00	0.60%
12	5.00	0.60%
13	3.91	0.51%
14	5.11	0.00%
15	4.95	2.22%
16	5.01	3.99%
17	3.91	0.51%
18	5.00	0.60%
19	5.00	1.00%
1	1.00	2.00%
3	6.00	1.83%
4	6.00	1.83%
8	6.00	1.83%
10	6.00	1.83%
11	6.00	1.50%
12	6.00	1.50%
13	4.00	1.50%
16	2.00	1.50%
20	2.67	0.37%
21	2.00	1.50%
22		



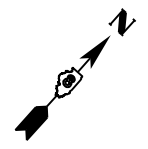
ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
23	6	0.33%
24	5.00	2.20%
25	4.22	0.47%
26	7.00	1.57%
27	4.51	0.44%
28	5.00	2.20%
29	6.00	0.33%
30	5.00	5.40%
31	25.00	0.48%
32	5.31	1.69%
33	5.14	3.50%
34	5.00	3.20%
35	25.00	0.48%
36	5.00	5.40%
23	7.00	1.57%
30	7.00	1.57%
24	7.00	1.57%
29	7.00	1.57%
25	7.00	1.57%
28	7.00	1.57%
31	7.00	1.57%
36	7.00	1.57%
32	7.00	1.57%
35	7.00	1.57%

LEBANON AVENUE AND SCHOOL CROSSING



DETECTABLE WARNING

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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 LICENSE NO. 184-004773
 20-5080586

REV.	DATE	DESCRIP
△		
△		

SHEET TITLE: INTERSECTION GRADING PLAN
 LEBANON AVE AND SCHOOL CROSSING
 PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 46
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 46 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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 618.233.5977 fax
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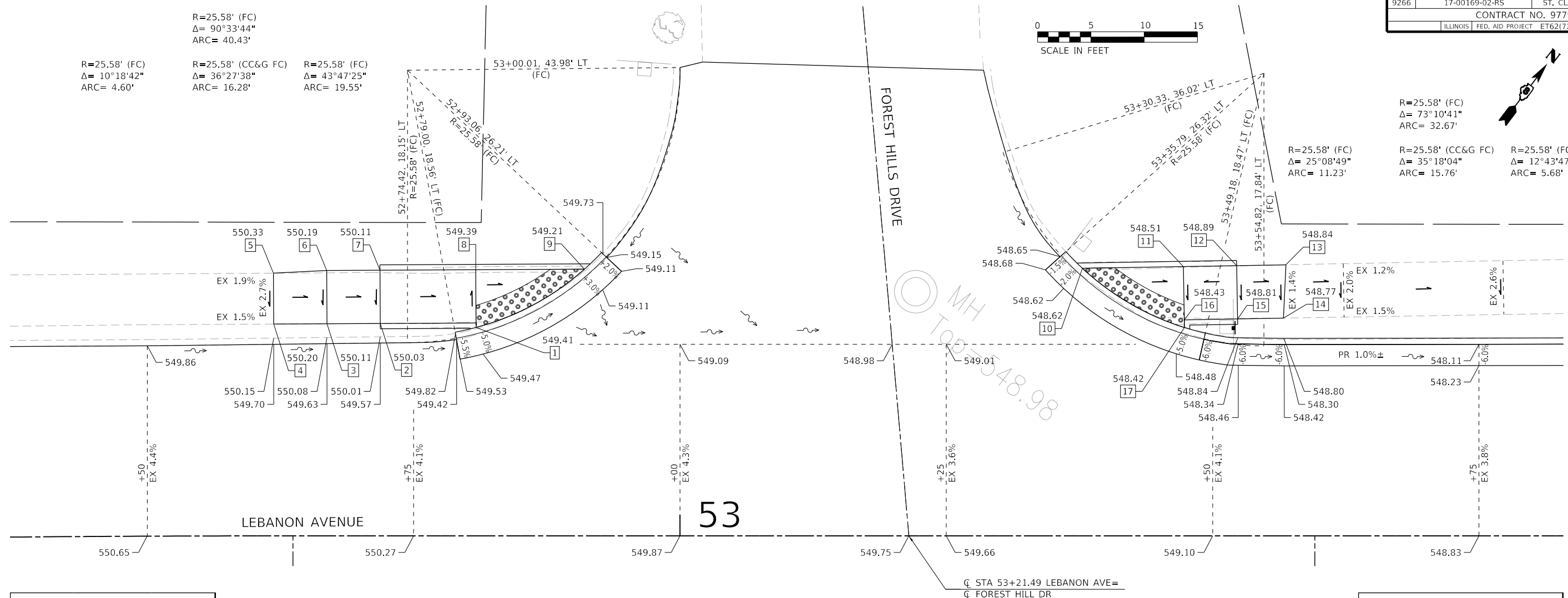
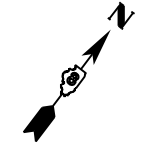
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LICENSE NO. 184-004773
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R=25.58' (FC)
 $\Delta = 90^{\circ}33'44''$
 ARC= 40.43'

R=25.58' (CC&G FC) R=25.58' (FC)
 $\Delta = 36^{\circ}27'38''$ $\Delta = 43^{\circ}47'25''$
 ARC= 16.28' ARC= 19.55'



ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
1		
2	9.00	6.89%
3	5.00	1.60%
4	5.00	1.80%
5	4.78	2.72%
6	5.00	2.80%
7	5.00	1.60%
8	9.00	8.00%
9	10.19	1.77%
10	11.65	1.72%
11		
12		
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200		

ACCESSIBLE SLOPE TABLE		
POINT	RUN LENGTH (FT)	SLOPE
10		
11	9.48	1.16%
12	5.00	7.60%
13	4.62	1.08%
14	5.02	1.39%
15	4.31	0.93%
16	5.00	7.60%
17	0.72	1.39%
18	11.17	1.79%
19		
20		
21		
22		
23		
24		
25		
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LEBANON AVENUE AND FOREST HILLS DRIVE



Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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SHEET TITLE:
**INTERSECTION GRADING PLAN
 LEBANON AVE AND FOREST HILLS DR**

PROJECT TITLE:
**LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLV
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 47 OF 55 SHEETS
 PROJECT NUMBER 21-1004



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

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 618.233.5977 fax
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LICENSE NO. 184-004773
 20-5080586

Signature: _____
 Expiration Date: _____

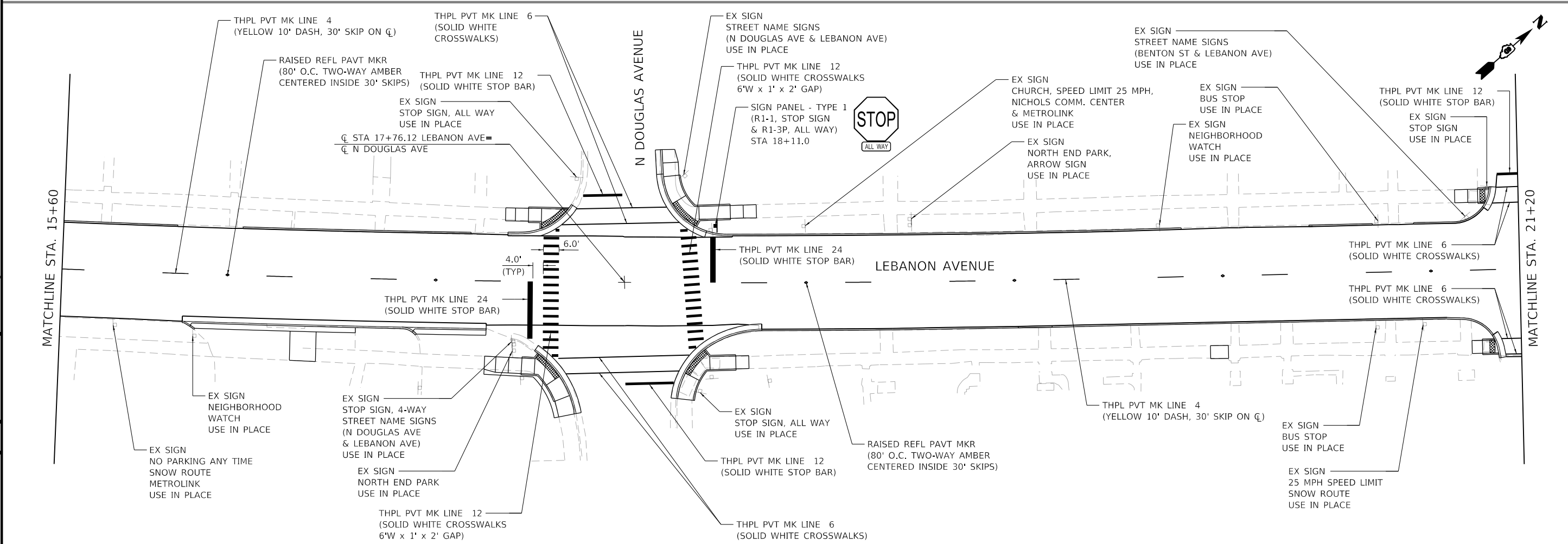
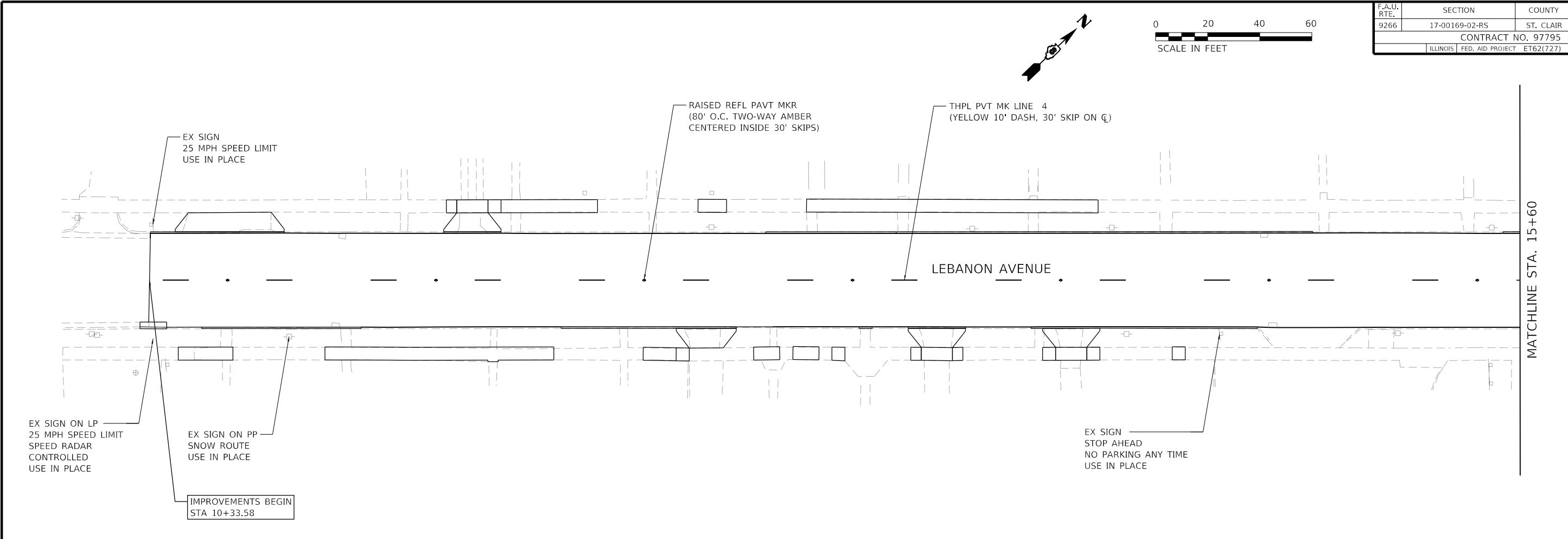
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SHEET TITLE:
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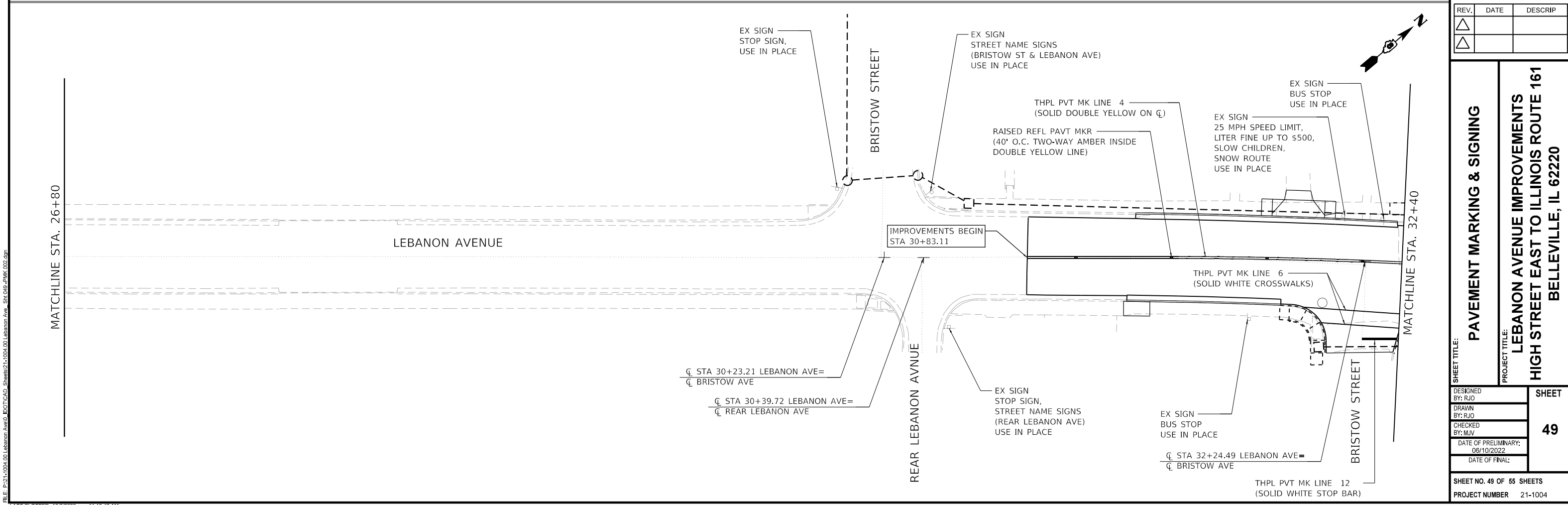
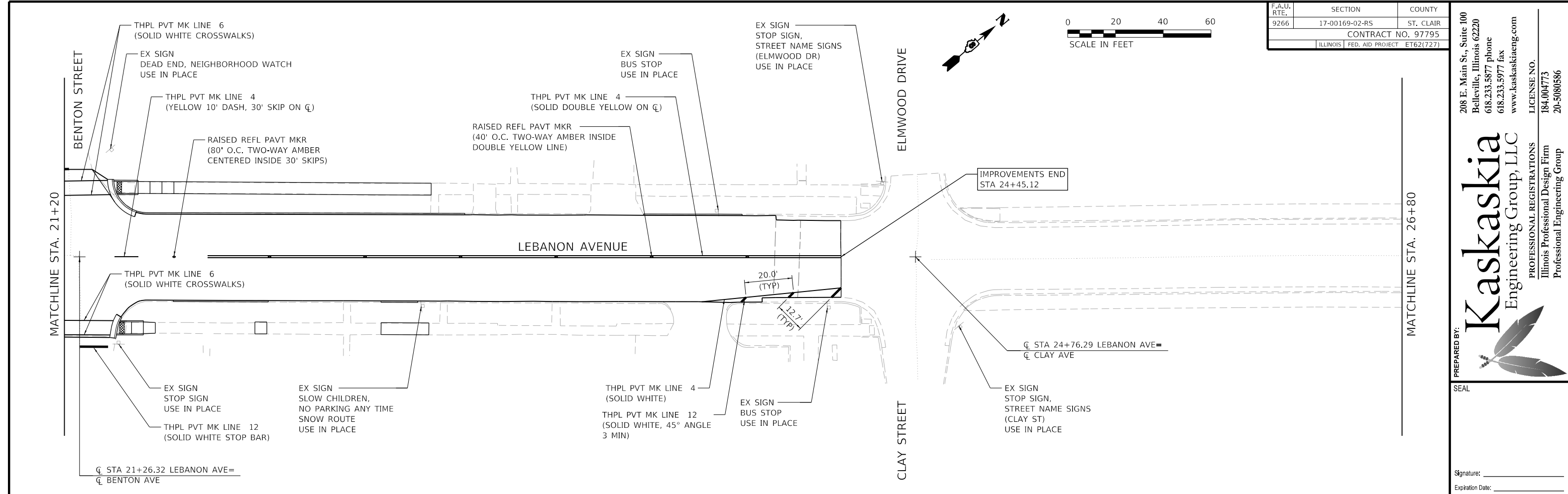
PROJECT TITLE:
 LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 48
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	

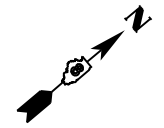
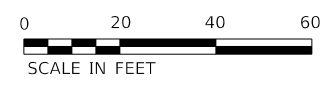
SHEET NO. 48 OF 55 SHEETS
 PROJECT NUMBER 21-1004



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F.A.U. RTE.	SECTION	COUNTY
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CONTRACT NO. 97795		
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PREPARED BY: _____
 SEAL _____
 Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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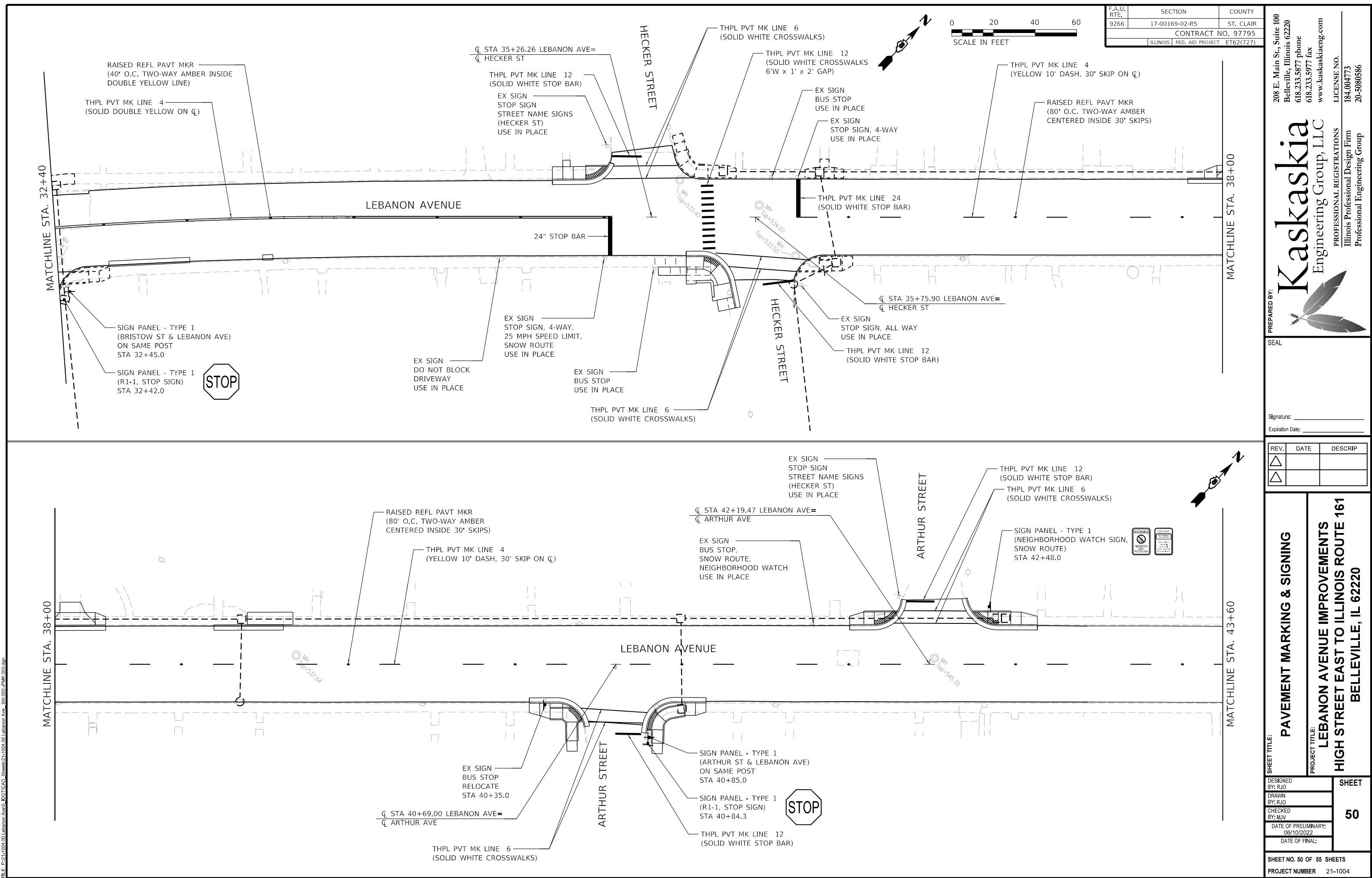
SHEET TITLE: **PAVEMENT MARKING & SIGNING**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 49
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	
SHEET NO. 49 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

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CONTRACT NO. 97795		
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 SEAL _____
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 Expiration Date: _____

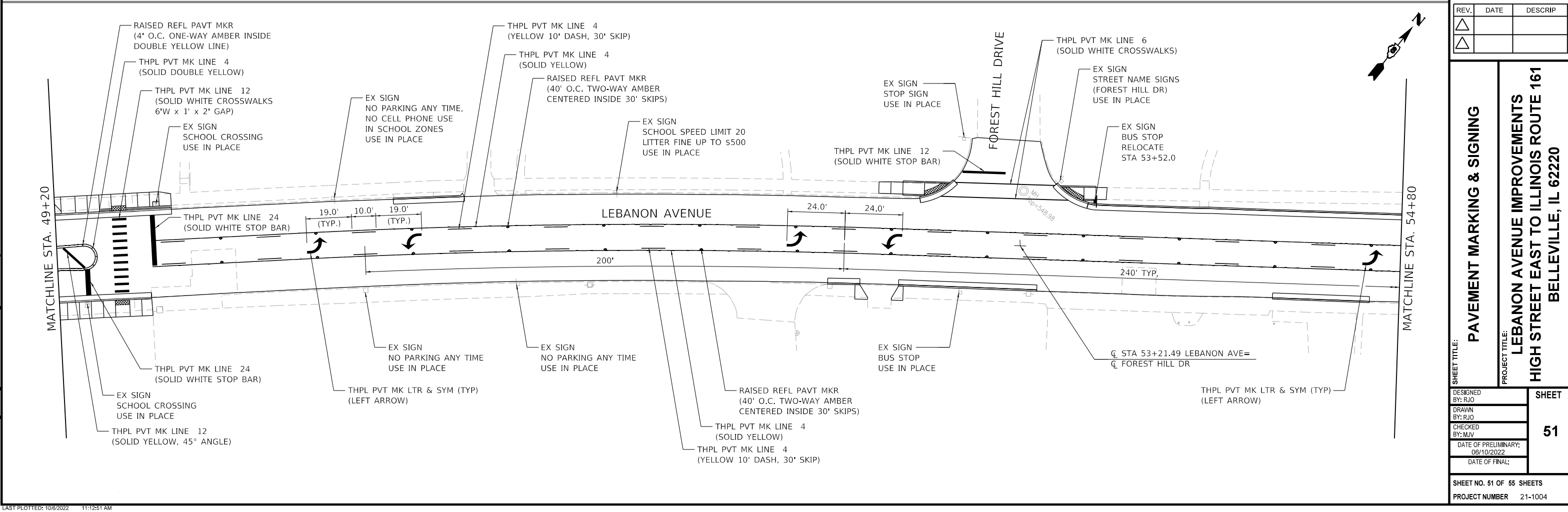
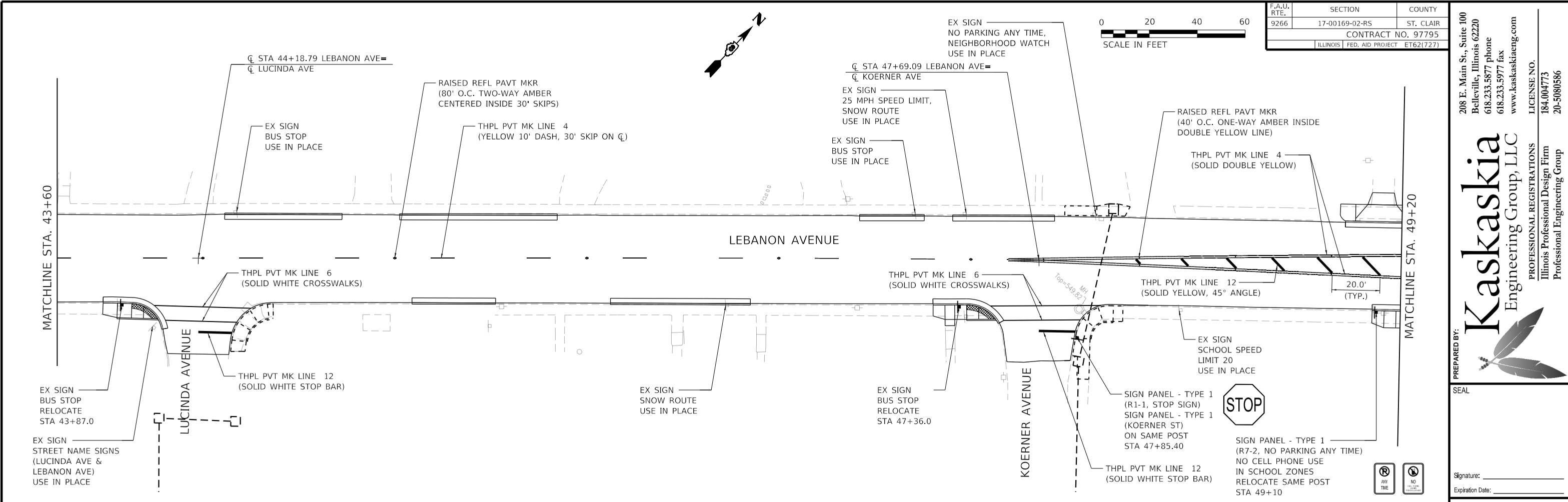
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SHEET TITLE: **PAVEMENT MARKING & SIGNING**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET
DRAWN BY: RJO	
CHECKED BY: MLV	50
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	
SHEET NO. 50 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004-00_Lebanon_Ave_Sht.050-PMK.dwg



F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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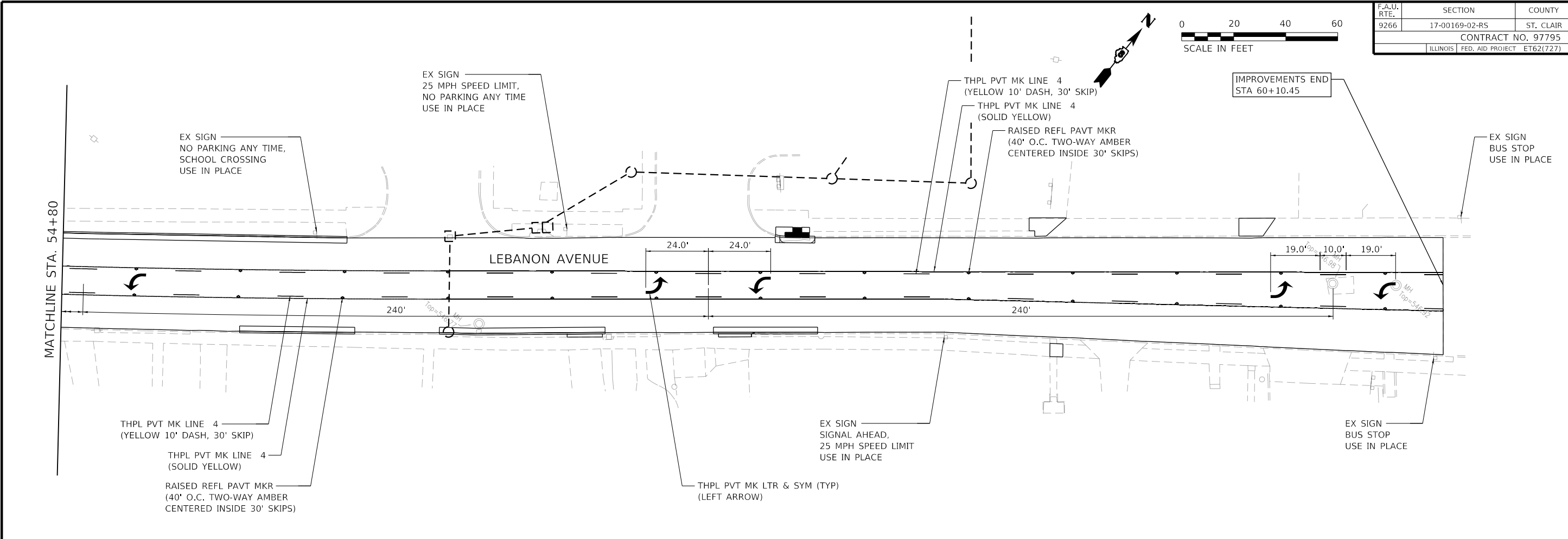
REV.	DATE	DESCRIP
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SHEET TITLE: **PAVEMENT MARKING & SIGNING**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO	SHEET 51
DRAWN BY: RJO	
CHECKED BY: MLJV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	
SHEET NO. 51 OF 55 SHEETS	
PROJECT NUMBER 21-1004	

FILE: P:\21-1004-00_Lebanon_Ave\DOT\CAD_Sheets\21-1004_00_Lebanon_Ave_Sht 05 - PMK 004.dgn



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9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
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SHEET TITLE: **PAVEMENT MARKING & SIGNING**

PROJECT TITLE: **LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220**

DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MJV
 DATE OF PRELIMINARY: 08/10/2022
 DATE OF FINAL: _____

SHEET NO. 52 OF 55 SHEETS
 PROJECT NUMBER 21-1004

F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-RS	ST. CLAIR
CONTRACT NO. 97795		
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 SEAL _____
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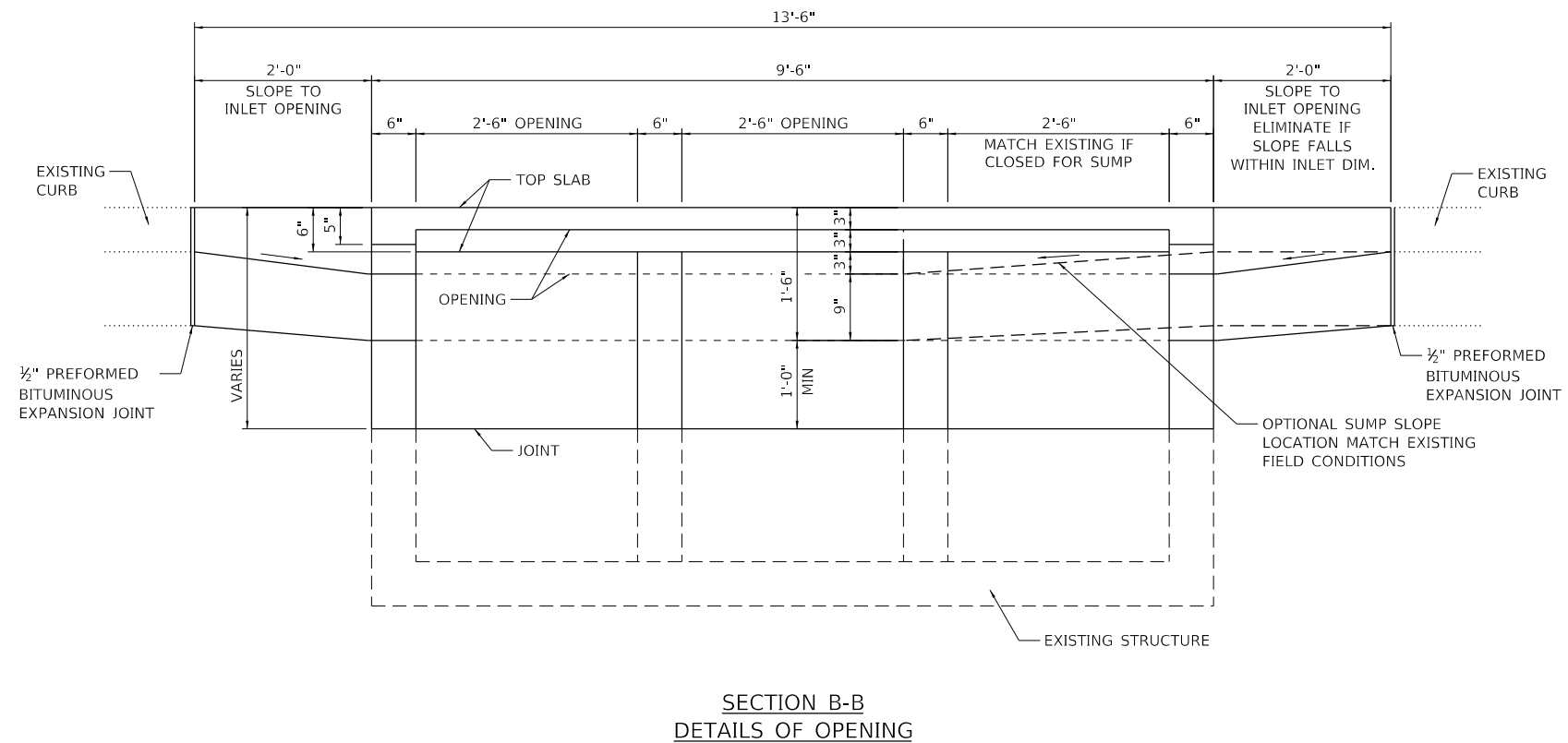
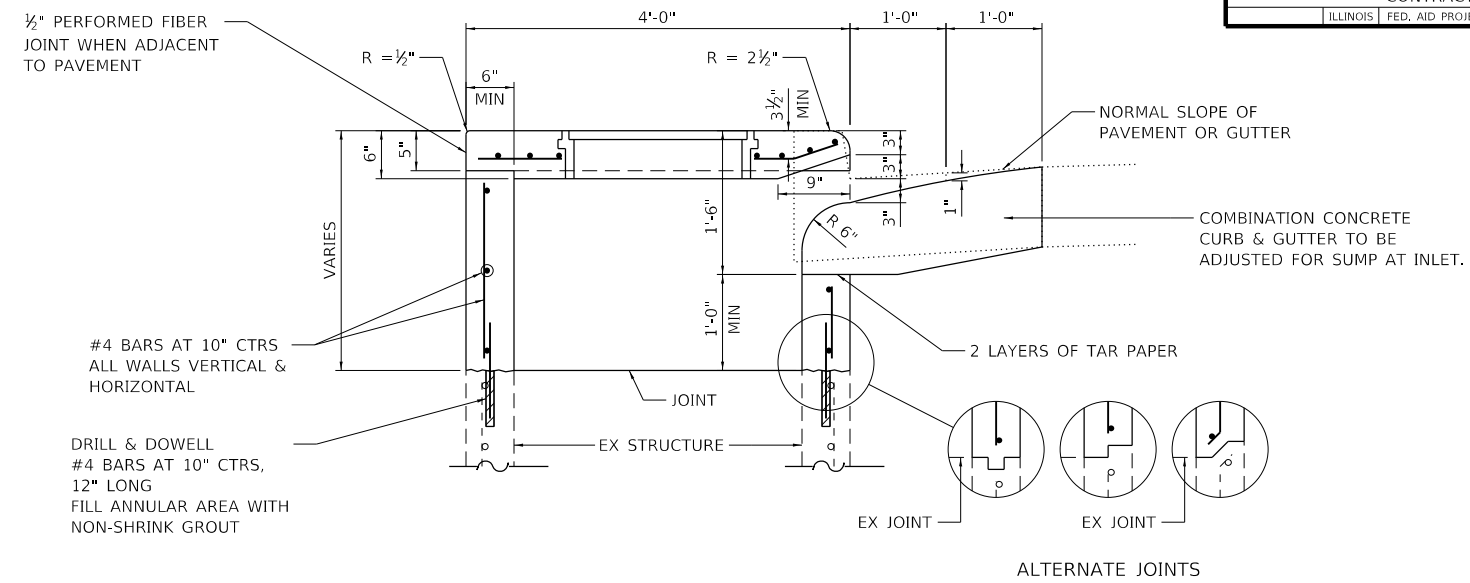
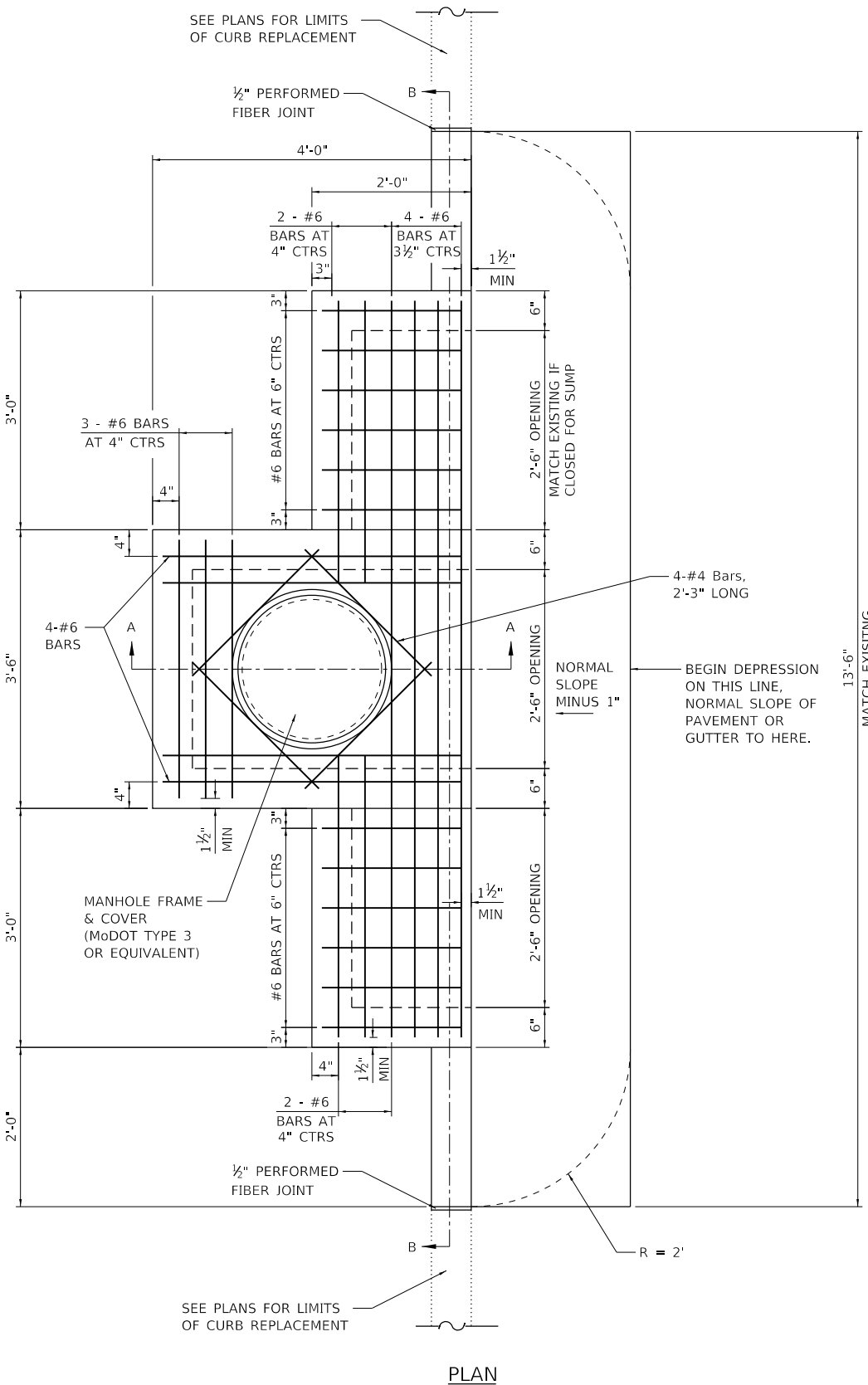
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MISCELLANEOUS DETAILS

LEBANON AVENUE IMPROVEMENTS
HIGH STREET EAST TO ILLINOIS ROUTE 161
BELLEVILLE, IL 62220

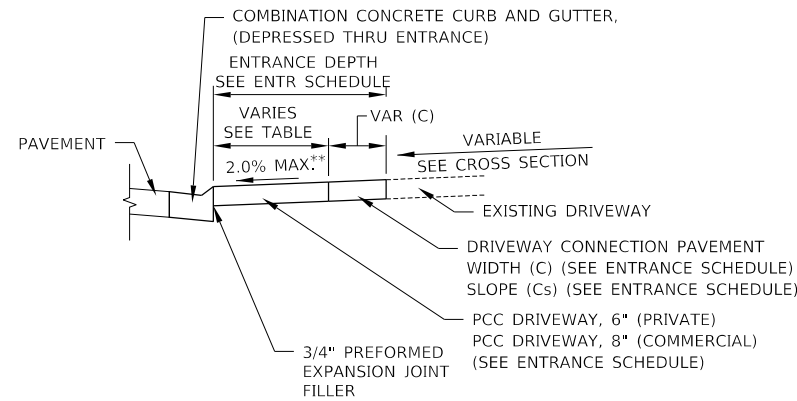
DESIGNED BY: RJO
 DRAWN BY: RJO
 CHECKED BY: MLJV
 DATE OF PRELIMINARY: 06/10/2022
 DATE OF FINAL: _____

SHEET NO. 53 OF 55 SHEETS
 PROJECT NUMBER 21-1004

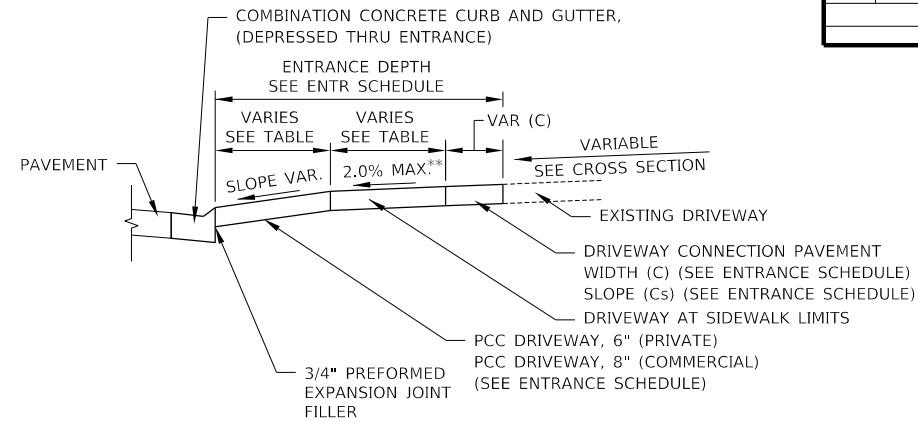


INLETS TO BE RECONSTRUCTION (SPECIAL)
DETAIL
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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

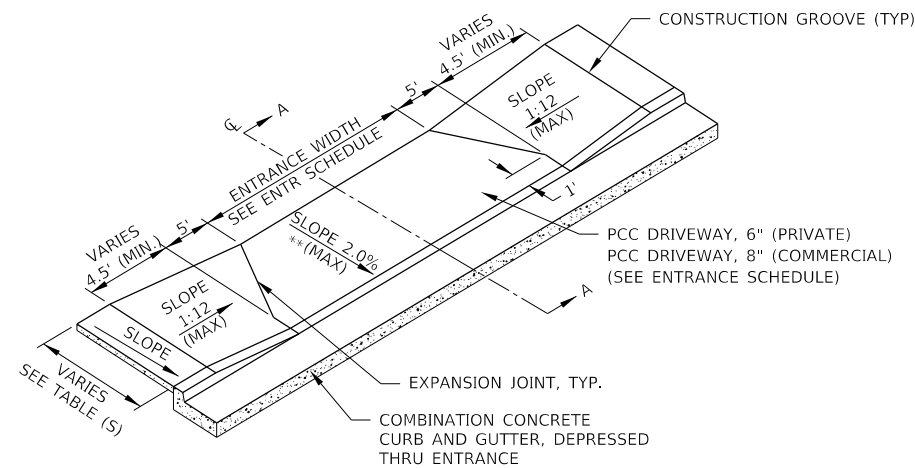


SECTION A-A

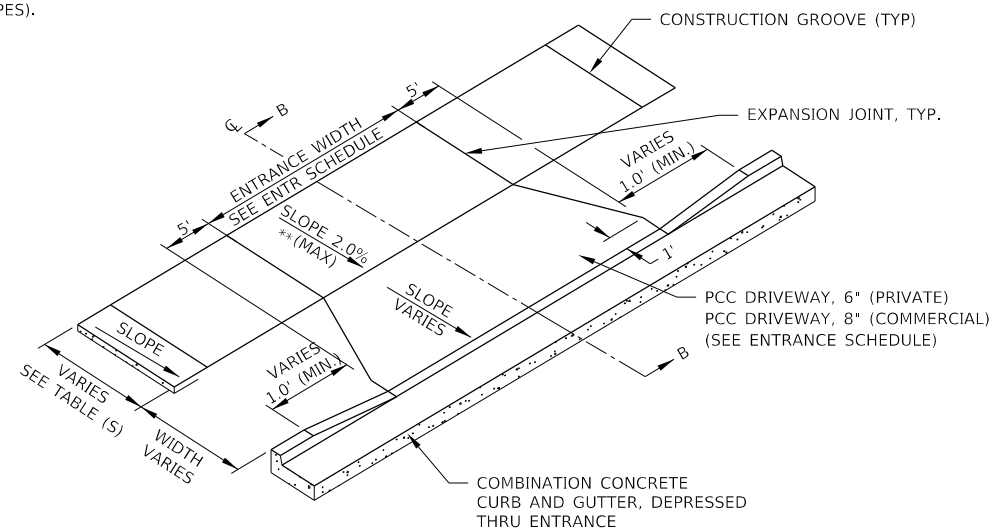


SECTION B-B

** ENTRANCE SLOPE THRU APRON SHALL BE 2.0% MAX. (DESIGN 1.5%±) AT SIDEWALK LOCATIONS. IF THE ENTRANCE DOES NOT CROSS A SIDEWALK THE SLOPE SHALL BE SUCH THAT IT CONNECTS TO THE EXISTING DRIVEWAY (SEE ENTRANCE SCHEDULE FOR SLOPES).



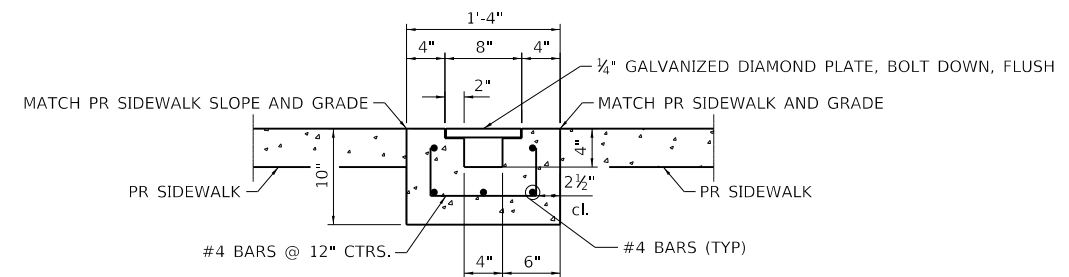
TYPICAL ENTRANCE ADJACENT TO CURB DETAIL WITH DEPRESSED CURB NOT TO SCALE



TYPICAL ENTRANCE DETAIL WITH DEPRESSED CURB NOT TO SCALE

ENTRANCE SCHEDULE

ENTRANCE NO.	ENTRANCE TYPE	CL STATION	ENTRANCE		APPR. SLOPE	SIDEWALK		CONNECTION	
			WIDTH (W)	WIDTH (S)		WIDTH (S)	SLOPE (** MAX)	WIDTH (C)	SLOPE (Cs)
1	COMMERCIAL	10+64.4 LT	31.8	7.3'	3.0% - 5.0%	-	-	-	-
2	PRIVATE	11+57.6 LT	12.0'	7.3'	7.7% - 8.8%	5.0'	1.60%	-	-
3	PRIVATE	12+47.4 RT	13.0'	7.5'	7.0% - 7.5%	-	-	-	-
4	PRIVATE	13+36.0 RT	12.0'	7.3'	8.8% - 9.0%	5.0'	1.60%	-	-
5	PRIVATE	13+87.6 RT	12.0	7.3'	7.4% - 8.4%	5.0'	1.60%	-	-
6	COMMERCIAL	16+42.4 RT	61.7'	2.0'	VARIES	-	-	-	-
7	COMMERCIAL	17+09.9 RT	26.6'	2.0'	VARIES	-	-	-	-
8	PRIVATE	31+96.2 LT	12.0'	-	-	7.0'	1.57%	4.0'	9.2% - 11.3%
9	PRIVATE	38+08.3 LT	12.0'	-	-	6.0'	1.50%	5.0'	5.8% - 6.0%
10	PRIVATE	49+11.6 LT	12.0'	-	-	7.0'	1.57%	5.0'	11.4% - 14.4%
11	PRIVATE	56+80.8 RT	13.7'	1.1'	VARIES	-	-	-	-
12	PRIVATE	57+38.5 RT	12.7'	1.2'	VARIES	-	-	-	-



TRENCH DRAIN (DOWNSPOUT CURB OUTLETS)

NOTE: REMOVE & REPLACE EXISTING DOWNSPOUT DRAINS IN SIDEWALK AS NEEDED.

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SHEET TITLE: MISCELLANEOUS DETAILS

PROJECT TITLE: LEBANON AVENUE IMPROVEMENTS HIGH STREET EAST TO ILLINOIS ROUTE 161 BELLEVILLE, IL 62220

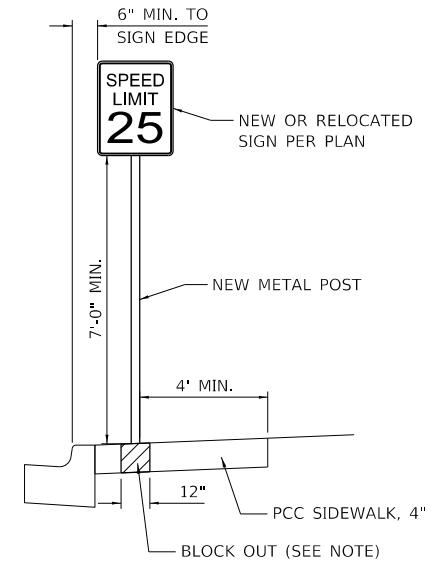
DESIGNED BY: RJO	SHEET 54
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 06/10/2022	
DATE OF FINAL:	

SHEET NO. 54 OF 55 SHEETS
PROJECT NUMBER 21-1004

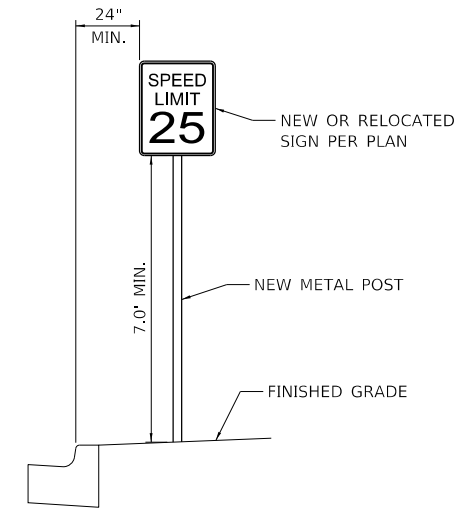
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F.A.U. RTE.	SECTION	COUNTY
9266	17-00169-02-R5	ST. CLAIR
CONTRACT NO. 97795		
ILLINOIS FED. AID PROJECT ET62(727)		

NOTE:
 CONTRACTOR SHALL PROVIDE A 1' X 1' BLOCK OUT OR EQUIVALENT IN SIDEWALK AT SIGN POST LOCATIONS. BLOCK OUT TO MATCH ADJACENT CONSTRUCTION AFTER SIGN POST IS INSTALLED. THIS WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 THE CONTRACTOR MAY USE A PVC PIPE SLEEVE WITH THE ENGINEERS APPROVAL.

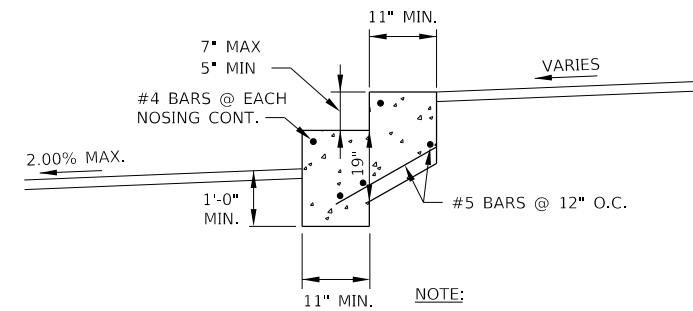


INSTALLATION IN SIDEWALK



INSTALLATION IN TURF AREAS

TYPICAL SIGN INSTALLATION
 NOT TO SCALE



NOTE:
 NUMBER OF STEPS MAY VARY AT EACH LOCATION. REFER TO THE PLANS AND CROSS SECTIONS FOR NUMBER OF STEPS REQUIRED.

CLASS SI CONCRETE STEPS
CONSTRUCTION DETAIL
 NOT TO SCALE

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LICENSE NO.
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PREPARED BY:

SEAL

Signature: _____
 Expiration Date: _____

REV.	DATE	DESCRIP
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SHEET TITLE:
 MISCELLANEOUS DETAILS

PROJECT TITLE:
 LEBANON AVENUE IMPROVEMENTS
 HIGH STREET EAST TO ILLINOIS ROUTE 161
 BELLEVILLE, IL 62220

DESIGNED BY: RJO	SHEET 55
DRAWN BY: RJO	
CHECKED BY: MLV	
DATE OF PRELIMINARY: 08/10/2022	
DATE OF FINAL:	

SHEET NO. 55 OF 55 SHEETS
 PROJECT NUMBER 21-1004