RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	1
* F.A.P. 586/F.A.U. 8898	ILLINOIS	CONTRACT NO. 97877		

11-06-2026 LETTING ITEM 125

INDEX OF SHEETS

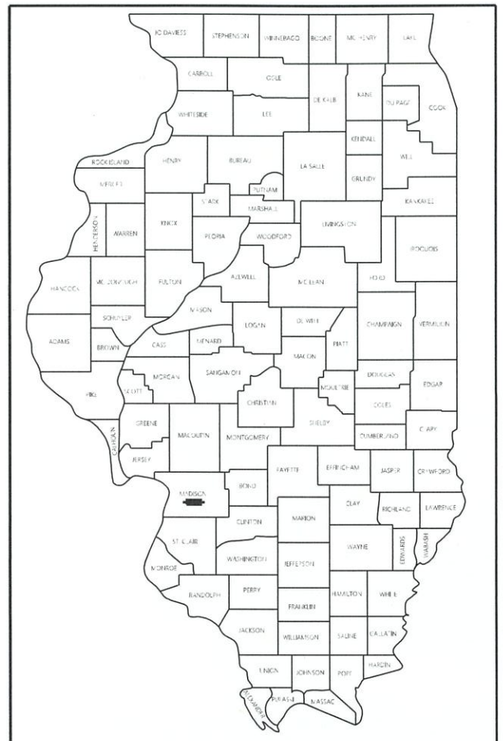
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2 GENERAL NOTES, UTILITIES, COMMITMENTS
3 HIGHWAY STANDARDS, MIXTURE REQ., PAVEMENT DESIGN
4–7 SUMMARY OF QUANTITIES
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS
LOCAL AGENCY PROJECT

HSIP & STR FUNDS

CITY OF TROY
FAP ROUTE 586 (ILLINOIS ROUTE 162)
FAU ROUTE 8898 (OLD TROY ROAD)
SECTION 17–00034–00–PV
PROJECT NO. AT03(347)
INTERSECTION RECONSTRUCTION: ROUNDABOUT
ROADWAY IMPROVEMENTS
MADISON COUNTY, ILLINOIS
C–98–001–20



LOCATION OF SECTION INDICATED THUS: -

PLANS PREPARED BY:

LOCHMUELLER GROUP
103 WEST VANDALIA STREET, SUITE #100
EDWARDSVILLE, IL 62025
PHONE: 618.667.1400

CHRISTOPHER R. WILSON 062-051234 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Christopher R. Wilson

LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
062–051234
LICENSE EXPIRES 11–30–2027
(SUPERVISION AND CONTROL OF SHEETS 1–58; 70–80

NATHAN M. NOHREN 062-061863 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Nathan M. Nohren

LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
062–061863
LICENSE EXPIRES 11–30–2027
(SUPERVISION AND CONTROL OF SHEETS 59–69

0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

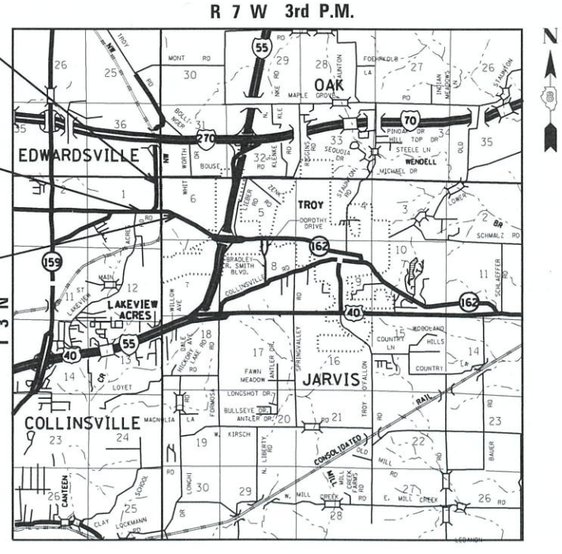
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

GEOMETRICS: IDOT – BO WEDMORE (IDS)

OLD TROY ROAD IMPROVEMENT ENDS STA. 653+37.30

IL ROUTE 162 IMPROVEMENT BEGINS STA. 541+50.27

IL ROUTE 162 IMPROVEMENT ENDS STA. 554+16.70



LOCATION MAP

0 1 2
GRAPHIC SCALE IN MILES

DESIGN DESIGNATION

FAP ROUTE 586 (IL ROUTE 162)
(OTHER PRINCIPAL ARTERIAL)
2020 ADT 19,450 (5% TRUCKS)

FAU ROUTE 8898 (OLD TROY ROAD)
(MAJOR COLLECTOR)
2020 ADT 4,050 (4% TRUCKS)

GROSS LENGTH = 1,653.73 FT. = 0.313 MILE
NET LENGTH = 1,653.73 FT. = 0.313 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 14 SEPT 2026
DAVID NONN, MAYOR, CITY OF TROY, IL

APPROVED 9–10 2026
TOWNSHIP ROAD & BRIDGE COMMISSIONER, COLLINSVILLE TOWNSHIP, IL

APPROVED W/LIMITED REVIEW Sept 17 2026
IDOT DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

APPROVED W/LIMITED REVIEW Sept 17 2026
IDOT REGION 5 ENGINEER

THESE PLANS ARE PROFESSIONAL TECHNICAL DOCUMENTS. IF AN INDIVIDUAL WITH A DISABILITY REQUIRES ASSISTANCE, PLEASE CONTACT THE MUNICIPAL ADMINISTRATOR WITH THE CITY OF TROY AT 618–667–9924

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 97877

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT ARE AS FOLLOWS:

   AMEREN ILLINOIS - BURIED HIGH PRESSURE AND NATURAL GAS DISTRIBUTION, O.H.E.
   AT&T - TELECOMMUNICATIONS CABLE BOTH BURIED AND IN DUCT BANKS
   ILLINOIS AMERICAN WATER - WATER MAIN
   CITY OF TROY - WATER MAINS
   IDOT - CULVERTS AND STORM SEWERS
   MADISON COUNTY TRANSIT - STORMS SEWERS
   SOUTHWEST ELECTRIC COOPERATIVE - LIGHTS, BURIED ELECTRIC, AND O.H.E.

2. IN ADDITION TO SURVEYS, SOME OF THE PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING CONDITIONS HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 2A SEEDING OR SODDED AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ANY SEEDING OR SODDING REQUIRED OUTSIDE THE CONSTRUCTION LIMITS FOR THIS CONTRACT SECTION WILL NOT BE PAID FOR SEPARATELY AND CONSIDERED AS A CONTRACTOR'S EXPENSE.

5. REMOVAL OF EXISTING GRAVEL OR CRUSHED STONE BASE SHALL BE PAID FOR AS EARTH EXCAVATION, UNLESS SHOWN OTHERWISE.

6. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

7. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

8. SOME EXISTING STORM SEWER AND DRAINAGE STRUCTURE INFORMATION USED ON THESE PLANS WERE DEVELOPED FROM OFFICE RECORDS OR OTHERWISE HISTORICAL DATA. FINAL ELEVATIONS FOR INCORPORATING EXISTING DRAINAGE FACILITIES INTO THE PROPOSED SYSTEM SHALL BE DETERMINED BY THE ENGINEER. CAUTION SHOULD BE USED DURING CONSTRUCTION AROUND THE EXISTING STORM SEWER. THE CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS TO CONFIRM ELEVATIONS, PRIOR TO BEGINNING WORK. IF ISSUES ARE FOUND, THE ENGINEER SHALL BE CONTACTED.

9. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.

10. EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT OPEN TO TRAFFIC SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.

11. AN ESTIMATED QUANTITY OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS TO MAINTAIN ACCESS TO SIDEWALKS, ADJACENT PROPERTIES AND THE WORK AREAS DURING STAGE CONSTRUCTION.

12. TRANSVERSE CONTRACTION JOINTS SHALL BE POSITIONED AT 12.5 FOOT CENTERS, MINIMUM, IN PCC SECTIONS. ONLY 1" DIAMETER EPOXY COATED DOWELS (18" LONG) AT 12" CENTERS SHALL BE UTILIZED. THE ENGINEER MAY DIRECT THE CONTRACTOR TO SHIFT DOWEL CAGES TO MATCH EXISTING CRACKS AND JOINTS, THOUGH NO INCREASE IN TOTAL PLAN QUANTITY IS ANTICIPATED.

13. WHERE PROPOSED CONCRETE PAVEMENT IS TO BE CONSTRUCTED GENERALLY PARALLEL TO POURED CONCRETE PAVEMENT, THE CONTRACTOR SHALL DRILL AND GROUT NO. 6x30" EPOXY COATED TIE BARS AT 30" CENTERS AS DENOTED IN THE PLANS. ATTENTION IS ALSO CALLED TO DRILLING AND GROUTING 1" EPOXY COATED DOWEL BARS (18" LONG) AT 12" CENTERS AT LOCATIONS WHERE NEW PCC BASE ABUTS EXISTING PAVEMENT (AT TERMINI). DUE TO VARIATIONS IN DEPTHS OF EXISTING ASPHALT, SOME UNDERLYING PCC BASES MAY BE TOO DEEP SUCH THAT A MINIMUM COVER OF 2.5" MINIMUM OF EXISTING OR PROPOSED PCC CANNOT BE ACHIEVED.

16. THE FOLLOWING RATES WERE UTILIZED IN CALCULATIONS OF QUANTITIES FOR THIS PROJECT:

AGGREGATE	2.05 TONS / CU YD
BITUMINOUS MATERIALS	
TACK COAT	0.025 LB / SQ FT (NEW HMA)
TACK COAT	0.050 LBS / SQ FT (MILLED OR CONCRETE)
HOT-MIX ASPHALT	0.056 TONS / SQ YD / INCH
SEEDING NUTRIENTS	
NITROGEN	90 LBS/ACRE
PHOSPHORUS	90 LBS/ACRE
POTASSIUM	90 LBS/ACRE

17. RECYCLED AGGREGATE MATERIAL MAY NOT BE USED IN THIS PROJECT.

18. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOR CONTACTING THE FIRE DEPARTMENT AND POLICE DEPARTMENT OF THE RESPECTIVE MUNICIPALITY ANY TIME NORMAL TRAFFIC FLOW ON ANY STREET OR ROAD IS TO BE INTERRUPTED.

VILLAGE OF MARYVILLE POLICE DEPARTMENT:	(618) 344-8899
VILLAGE OF MARYVILLE FIRE DEPARTMENT:	(618) 344-8099
CITY OF TROY POLICE DEPARTMENT:	(618) 667-6731
CITY OF TROY FIRE DEPARTMENT:	(618) 667-6722
MADISON COUNTY SHERIFF'S DEPARTMENT:	(618) 692-6087

UTILITY COMPANIES

AMEREN
CHANDLER HANS - DISTRIBUTION
ERICA SYKUT - HIGH PRESURE
618-322-8624
CHans@ameren.com

CITY OF TROY
ROB HANCOCK - WATER DISTRIBUTION
RHancock@troyil.us

ATT
JASON LEHDE
jl2938@att.com

SOUTHWEST ELECTRIC COOPERATIVE
BRIAN MILLS (PREVIOUSLY VINCE SANVI)
Brian.Mills@sweci.com

ILLINIOS AMERICAN WATER
JEFFREY KING
Jeffrey.King@amwater.com

i3 BROADBAND
DANIEL SVEHLA
573-388-3719
daniel.svehla@i3broadband.com

COMMITMENTS

NONE

MODEL: Gen>01
FILE NAME: S:\Projects\418-2015-01\Y IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586+int+FULLCLOSURE-GennoteUNI.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, UTILITIES, COMMITMENTS
IL ROUTE 162

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	2
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

HIGHWAY STANDARDS

000001-09	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
420001-11	PAVEMENT JOINTS
420111-04	PCC PAVEMENT ROUNDOUTS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-03	MEDIAN PEDESTRIAN CROSSINGS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
483001-06	PCC SHOULDER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET TYPE A
602306-03	INLET TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602416-09	PRECAST MANHOLE TYPE A 8' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604011-05	FRAME AND GRATE TYPE 3V
604036-03	GRATE TYPE 8
606001-09	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
701001-02	OFF-RD OPERATIONS 2L 22 MORE THAN 15FT
701006-05	OFF-RD OPERATIONS 2L 2W 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L 2W DAY ONLY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720021-03	SIGN PANELS EXTRUDED ALUMINUM TYPE
729001-01	APPLICATIONS OF TYPE A AND B METAL POSTS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
805001-01	ELECTRICAL SERVICE INSTALLATIONS
814001-03	HANDHOLES
821101-03	LUMINAIRE WIRING IN POLE
825021-04	LIGHTING CONTROLLER BASE MOUNTED, 240V
830001-03	LIGHT POLE STEEL MAST ARM
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
878001-11	CONCRETE FOUNDATION DETAILS
BLR17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION

MIXTURE REQUIREMENTS

ROUTE	IL 162 AND OLD TROY ROAD
SECTION	17-00034-00-PV
COUNTY	MADISON
CONTRACT	

DESCRIPTION:	SHOULDERS AND INCIDENTAL BITUMINOUS SURFACING (AT ENTRANCE0

ADT (CONSTRUCTION YR):	20,871 (2024, IL162)
MU	3.0%
SU	1.6%

MIXTURE USE	BINDER/BASE	SURFACE
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	20%	20%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (Gradation)	IL 19.0	IL 9.5FG
FRICTION AGG		MIXTURE "D"
MatTranDev Required?	no	no

PAVEMENT DESIGN INFORMATION

NOTE THAT THE IL 162 TRAFFIC LEVELS WERE ALSO APPLIED FOR OLD TROY ROAD

CONSTRUCTION DESIGN TRAFFIC: 19,450 ADT YEAR: 2026
STRUCTURAL DESIGN TRAFFIC: 24,850 ADT YEAR: 2036 (10 YRS OF 20 YR DESIGN)
PV: 95.5% OF ADT SU: 1.6% OF ADT MU: 3.0% OF ADT
ROAD STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN ADT TRAFFIC IN DESIGN LANE: 50% (2 LANE PREDOMINATELY)

RIGID PAVEMENT DESIGN, BDE CHAPTER 54:
TRAFFIC FACTOR: ACTUAL TF = 4.72 MINIMUM TF = 4.59

JOINTED PLAIN CONCRETE PAVEMENT
EDGE SUPPORT: TIED CURB AND PCC SHOULDER
W/ACTUAL TF, FIGURE 54-4.E RESULTS IN: 9"
DOWEL DIAMETER: 1"
MAXIMUM TRANSVERSE JOINT SPACING (feet): 12.5' (use for convenience of staking at even stations)

SUBGRADE AND BASE: POOR
(PER GEOTECHNICAL REPORT, REMEDIATE LAYERS TO A DEPTH OF 12" IN MOST AREAS WITH LIME-MODIFIED, OR AGGRGEATE. AGGREGATE TO BE UTILIZED DUE TO SENSITIVITY OF SURROUNDING AREAS, VEGETATION, ETC.)

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS, MIXTURE REQ., PAVEMENT DESIGN
IL ROUTE 162

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	3
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: HwyStd-01
FILE NAME: S:\Projects\418-0015-00\IY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-IH-FULLCLOSURE-HwyStdMxdPvtDes.dgn

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
		20101100	TREE TRUNK PROTECTION	EACH	6
	*	20200100	EARTH EXCAVATION	CU YD	2,144
	*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	396
	*	20400800	FURNISHED EXCAVATION	CU YD	4,262
	*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	5,263
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14,202
S		25000110	SEEDING, CLASS 1A	ACRE	4.00
S		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	360
S		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	360
S		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	360
S		25100115	MULCH, METHOD 2	ACRE	4.00
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	383
		28000305	TEMPORARY DITCH CHECKS	FOOT	112
		28000400	PERIMETER EROSION BARRIER	FOOT	341
		28000500	INLET AND PIPE PROTECTION	EACH	36

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
		28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	525
		28200200	FILTER FABRIC	SQ YD	891
	*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	742
	*	31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	719
	*	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	6,792
	*	31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SQ YD	7,773
		35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	71
		35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	1,304
	*	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	30
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	13,387
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	41
		40600990	TEMPORARY RAMP	SQ YD	100
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	65
		42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	5,201
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	419

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
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	DRAWN -	REVISED -	
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PLOT DATE = 9/9/2026	DATE -	REVISED -	

SUMMARY OF QUANTITIES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	4
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

MODEL: SOQ-01
FILE NAME: S:\Projects\418-0015-0\IY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-sht-FULLCLOSURE-SOQ.dgn

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
	*	42400800	DETECTABLE WARNINGS	SQ FT	80
		44000100	PAVEMENT REMOVAL	SQ YD	3,782
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210
		48101610	AGGREGATE SHOULDERS, TYPE B 9"	SQ YD	351
		48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	106
	*	48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	501
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4
		54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1
		54248510	CONCRETE COLLAR	CU YD	4.9
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	117
		550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	90
		550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	157
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	96

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	201
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	233
		550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	23
		550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	139
		550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	44
		550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	7
		550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	19
		550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	31
		550B0140	STORM SEWERS, CLASS B, TYPE 1 30"	FOOT	11
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
		60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2
		60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
		60224458	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 8 GRATE	EACH	1
		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT DATE = 9/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	5
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

MODEL: SOQ-02
FILE NAME: S:\Projects\418-0015-PH\Y IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-sht-FULLCLOSURE-SOQ.dgn

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
		60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4
		60235705	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	4
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3
		60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2
		60240222	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	3
		60500040	REMOVING MANHOLES	EACH	1
		60600095	CLASS SI CONCRETE (OUTLET)	CU YD	6
		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	1,162
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,670
		60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	FOOT	133
		60606200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (MODIFIED)	FOOT	209
		60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	392
S		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,182
S		66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
S		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
S		66901006	REGULATED SUBSTANCES MONITORING	CAL DA	14
S		66900530	SOIL DISPOSAL ANALYSIS	EACH	3
		67100100	MOBILIZATION	L SUM	1
S		72000100	SIGN PANEL - TYPE 1	SQ FT	245
S		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	126
S		72900100	METAL POST - TYPE A	FOOT	294
S		73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	9
S		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	105
S		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5,036
S		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2,886
S		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	408
S		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	78
S		78200020	CURB REFLECTORS	EACH	82
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	323
S		80400100	ELECTRIC SERVICE INSTALLATION	EACH	1

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	6
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: SOQ-03
FILE NAME: S:\Projects\418-0015-01HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-sht-FULLCLOSURE-SOQ.dgn

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
S		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	99
S		81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1,862
S	*	81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1
S	*	81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	195
S	*	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	2,066
S		82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	12
S		82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
S		83008200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	12
S		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	72
S		83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	48
S		B2000774	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3
S		B2001124	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2
S	*	X0323117	LANDSCAPING GRAVEL	SQ YD	366
	*	X2010510	CLEARING AND GRUBBING	L SUM	1
	*	X2090215	SELECT GRANULAR BACKFILL (SPECIAL)	CU YD	1,587

SUMMARY OF QUANTITIES

	SPECIALTY ITEM	SP	CODE NO.	ITEM	UNIT	QUANTITY
		*	X2600011	REMOVE AND RELOCATE SIGN PANEL	EACH	4
		*	X4200469	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	529
		*	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1
		*	X5510012	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	6
		*	X5510100	STORM SEWER REMOVAL	FOOT	264
		*	X6062206	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6 INCH	SQ FT	3,057
		*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
		*	X7240207	REMOVE EXISTING SIGN COMPLETE	EACH	5
	S	*	X8130110	JUNCTION BOX (SPECIAL)	EACH	4
		*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
#			**Z0076600**	**TRAINEES**	**HOUR**	**1,500**
	S	*	Z0036200	PAINT CURB	FOOT	1,206
#			**Z0076604**	**TRAINEES TRAINING PROGRAM GRADUATE**	**HOUR**	**1,500**

 # 0042

MODEL: SOQ-04
FILE NAME: S:\Projects\418-0015-01\Plan Sheets\DBFAP586-sht-FULLCLOSURE-SOQ.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	7
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

PAVEMENT REMOVALS

START STA		END STA	LT./RT., A.R. = ACROSS ROAD, CNTR = CENTER OF ROAD	COMMENT	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL
					SQ YD	SQ YD
EXISTING IL 162						
542+88.02	TO	545+75.00	AR	HMA/PCC	834.3	
545+93.94	TO	546+06.36	AR	HMA/PCC	35.9	
546+90.25	TO	547+12.41	AR	HMA/PCC	132.1	
547+56.61	TO	548+01.39	AR	HMA/PCC	92.0	
548+52.87	TO	553+59.91	AR	HMA/PCC	1,483.4	
EXISTING IL 162 ENTRANCES						
550+22.92	TO	550+90.88	RT	DEGRADED OIL AND CHIP		113.0
553+21.66	TO	554+16.70	RT	EXIST HMA		96.4
EXISTING OLD TROY ROAD, EXISTING WESTMOST LEG						
648+88.95	TO	649+05.29	LT	HMA/PCC	28.0	
649+00.72	TO	649+22.29	LT	HMA/PCC	32.6	
649+26.83	TO	649+51.74	LT	HMA/PCC	33.8	
EXISTING OLD TROY ROAD, EXISTING EASTMOST LEG						
648+96.54	TO	648+96.54	RT	HMA/PCC	383.6	
650+25.82	TO	650+40.64	RT	HMA/PCC	19.4	
EXISTING OLD TROY ROAD, NORTH OF INTERSECTION						
650+99.98	TO	653+37.40	AR	HMA/PCC & PCC	706.5	
TOTAL:					**3,781.8**	**209.4**
USE:					**3,782**	**210**

EATHWORK SCHEDULE

	0			1	2	3	4	5	6	7	8	9	10
	NON-SPECIAL WASTE DISPOSAL			TOPSOIL EXCAVATION, 12"	TOPSOIL EXCAV x SHRINKAGE FACTOR	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EARTH EXCAV x SHRINKAGE FACTOR	EMBANKMENT (STRUCTURAL FILL)	BALANCE WASTE (-) BORROW (+)	EMBANKMENT (NON-STRUCT FILL)	BALANCE EXCESS (-) BORROW (+)	TOPSOIL FURNISH AND PLACE, 4"
	STORM SEWER TRENCHING	TOPSOIL REMOVAL	CUT										
LOCATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD
ILLINOIS ROUTE 162	-	-	-	3,545	2,659	282	1,559	1,169	2,469	1,300	3,264	605	4,995
OLD TROY ROAD	-	-	-	1,718	1,289	114	555	416	988	572	3,073	1,785	9,207
NON-SPECIAL WASTE AREA**	574	554	54	-	-	-	-	-	-	-	-	-	-
TOTALS:	**574**	**554**	**54**	**5,263**	**3,947**	**396**	**2,114**	**1,586**	**3,457**	**1,872**	**6,337**	**2,390**	**14,202**
	1,182												
PAY ITEM, OR PORTION OF PAY ITEM:	*	*	*	*		*	*		*	*		*	*
NOTES:	ESTIMATED EXCAVATION FOR INSTALLATION OF STORM SEWERS. PORTION OF **NON-SPECIAL WASTE DISPOSAL****	TOPSOIL REMOVAL TO DEPTH OF 12". PORTION OF **NON-SPECIAL WASTE DISPOSAL****	CUTS BELOW TOPSOIL EXCAVATION. PORTION OF **NON-SPECIAL WASTE DISPOSAL****	EXCAVATION PORTION OF **TOPSOIL EXCAVATION AND PLACEMENT**. STRIPPED AND STORED ON SITE FOR USE.	BDE FACTOR OF 0.75	EXISTING AGGREGATES - DISPOSED OF OFFSITE. NOT PLACED IN EMBANKMENTS	CUTS BELOW TOPSOIL EXCAVATION. CAN BE USED AS STRUCTURAL FILL	BDE FACTOR OF 0.75 APPLIED	PLACEMENT PORTION OF **EARTH EXCAVATION** MATERIAL	PORTION OF **FURNISHED EXCAVATION** REQUIRED FROM OFFSITE	PLACEMENT OF **TOPSOIL EXCAVATION AND PLACEMENT**	PORTION OF **FURNISHED EXCAVATION** REQUIRED FROM OFFSITE	**TOPSOIL FURNISH AND PLACE, 4" (AREA)**

*PAY ITEM

** SEE SPECIAL PROVISIONS FOR LIMITS OF NON-SPECIAL WASTE AREA ALONG ILLINOIS ROUTE 162 AND OLD TROY ROAD. THE OTHER COLUMNS IN THIS TABLE DO NOT HAVE NON-SPECIAL WASTE INCLUDED IN TOTALS

STORM SEWER SCHEDULE (A)

ID	LT./RT.	STATION	EXISTING		PROPOSED																	
			REMOVING MANHOLES	REMOVE EXISTING FLARED END SECTION	CONCRETE COLLAR	PRECAST REINFORCED CONCRETE FLARED END SECTION (W/TOEWALL)				MANHOLES, TYPE A						INLETS				
										4'-DIAMETER		5'-DIAMETER	6'-DIAMETER	8'-DIAMETER		TYPE A			TYPE B	
						12"	15"	24"	30"	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID	TYPE 1 FRAME, CLOSED LID	TYPE 8 GRATE	TYPE 3 FRAME AND GRATE	TYPE 3V FRAME AND GRATE	TYPE 8 GRATE	TYPE 3 FRAME AND GRATE	TYPE 3V FRAME AND GRATE
			EACH	EACH	CU YD	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
PRC1	RT	549+00.00							1												
MH2	RT	549+17.06	1											1							
MH1	RT	549+13.64		1										1							
CC1	LT	549+15.80			1.0																
CC2	RT	548+96.62			0.7																
CC3	LT	549+04.80			0.7																
CC4	LT	651+27.29			0.7																
CC5	RT	651+16.31			0.7																
CC6	LT	650+32.47			0.7																
CC7	LT	652+00.00			0.4																
I1	RT	549+28.24																		1	
I2	LT	549+09.59																			1
I3	LT	649+87.54														1					
I4	LT	650+32.47																			1
I5	LT	651+17.86																1			
I6	LT	652+76.16															1				
I7	LT	652+86.51								1											
I8	RT	651+16.31																1			
I9	LT	649+30.33										1									
I10	LT	649+19.91										1									
MH3	LT	651+27.29											1								
MH4	LT	652+86.51									1										
PRC3	RT	651+26.01						1													
PRC4	RT	652+86.51					1														
PRC5	RT	547+71.14				1															
I18	RT	547+71.51								1											
I19	RT	547+62.22															1				
PRC9	RT	544+94+85					1														
I11	LT	652+00.00																	1		
I12	RT	544+94.90										1									
I13	RT	545+04.70															1				
I14	LT	544+94.93																		1	
I15	LT	545+04.41															1				
PRC8	RT	546+00.19				1															
I16	RT	546+00																			1
I17	LT	545+99.59																1			
I20	RT	550+37.94																1			
I21	AR	547+85.04																	1		
I22	AR	649+01.87																	1		
PRC6	RT	547+00						1													
PRC2	LT	547+36.54						1													
PRC7	LT	547+00.00						1													
PRC10	LT	550+37.94				1															
TOTAL:			**1**	**1**	**4.9**	**3**	**2**	**4**	**1**	**2**	**1**	**3**	**1**	**2**	**1**	**4**	**4**	**3**	**2**	**3**	
USE:			**1**	**1**	**4.9**	**3**	**2**	**4**	**1**	**2**	**1**	**3**	**1**	**2**	**1**	**4**	**4**	**3**	**2**	**3**	

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PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	8
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Sch-01
FILE NAME: S:\Projects\418-0015-01\IY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-Int-FULLCLOSURE-Schedules.dgn

STORM SEWER SCHEDULE (B)

ID	TO	ID	STA	TO	STA	LT./RT., A.R. = ACROSS ROAD	COMMENTS	* SELECT GRANULAR BACKFILL, SPECIAL	EXISTING	PROPOSED														
											STORM SEWERS													
									STORM SEWER REMOVAL	PROPOSED STORM SEWER CONNECTION TO EXISTING STORMSEWER	CLASS A, TYPE 1 12"	CLASS A, TYPE 1 24"	CLASS A, TYPE 1 30"	CLASS A, TYPE 2 12"	CLASS A, TYPE 2 15"	CLASS A, TYPE 2 24"	CLASS A, TYPE 3 12"	CLASS A, TYPE 3 30"	RUBBER GASKET, CLASS A, TYPE 1 12"	RUBBER GASKET, CLASS A, TYPE 2 12"	RUBBER GASKET, CLASS A, TYPE 1 15"	RUBBER GASKET, CLASS A, TYPE 1 30"	CLASS B, TYPE 1 30"
								CU YD	FOOT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
PRC1	TO	MH2	544+94.92	TO	549+14.52	RT																		7.2
MH2	TO	MH1	549+14.52	TO	549+11.28	RT																	18.8	
EXIST	TO	MH1	548+99.1	TO	549+11.28	RT	REMOVAL		13.0															
MH1	TO	I3	549+11.28	TO	649+87.54	AR	REMOVE EXISTING CULVERT	INCL W/PROPOSED	143.7															
MH1	TO	I3	549+11.28	TO	649+87.54	AR		980.7											138.7					4.0
MH1-I3	TO	I4	549+05.91	TO	549+28.29	RT		14.1		1							23.0							
MH1-I3	TO	I2	548+97.83	TO	549+09.4	RT		12.9		1					10.2									
I3	TO	I9	649+87.54	TO	649+29.47	AR		103.9									136.4							
I9	TO	I10	649+30.33	TO	649+19.91	LT		5.5									8.0							
I10	TO	PRC2	649+19.91	TO	649+34.72	LT		-									27.7							
I10	TO	I22	649+19.91	TO	649+01.87	LT		11.1			38.1													
EXISTING			648+88.95	TO	649+01.83		REMOVE EXISTING CULVERT	12.3	36.8															
I3	TO	MH3	649+87.54	TO	651+27.29	RT		-		1			157.4	22.1										
MH3	TO	PRC3	651+27.29			AR		69.5		2				16.0		60.7								
MH3	TO	MH4	651+27.29	TO	652+86.51	RT		-		1	13.4				154.9									
MH4	TO	PRC4	652+86.51			AR		9.9						8.0	45.8									
PRC5	TO	I18	548+09.35	TO	547+71.16	RT		1.8													30.5			
I18	TO	I19	547+71.16	TO	547+62.22	RT		1.9			8.0													
I18	TO	I21	547+71.16	TO	STAGE	RT		9.7						39.7										
I19	TO	INFIELD	547+62.22	TO	547+72.97	AR	REMOVE EXISTING CULVERT	167.0	70.3															
PRC9	TO	I12	544+94.92	TO	544+94.85	RT																7.0		
I12	TO	I13	544+94.85	TO	545+04.73	RT		2.3			8.0													
I12	TO	I14	544+94.85	TO	544+94.85	AR		11.7			31.8													
I14	TO	I15	544+94.93	TO	545+04.41	LT		2.1			8.0													
PRC8	TO	I16	546+00.19			RT		3.4												11.1				
I16	TO	I17	546+00.			AR		9.7												33.0				
PRC6	TO	PRC7	547+00.			AR	RELIEF/OVERFLOW CULVERT	14.0				90.1												
PRC10	TO	I20	550+37			LT					9.7													
TOTAL:								**1,443.5**	**263.8**	**6**	**117.0**	**90.1**	**157.4**	**96.0**	**200.7**	**232.8**	**23.0**	**138.7**	**44.1**	**30.5**	**7.0**	**18.8**	**11.2**
USE:								**1,444**	**264**	**6**	**117**	**90**	**157**	**96**	**201**	**233**	**23**	**139**	**44**	**31**	**7**	**19**	**11**

* NOT TOTAL CONTRACT QUANTITY

EROSION CONTROL

START STA	TO	END STA	LT./RT., A.R. = ACROSS ROAD	AREA (SF)	COMMENT	CLEARING AND GRUBBING	TREE TRUNK PROTECTION	TEMPORARY EROSION CONTROL SEEDING	SEEDING, CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE DUMPED RIPRAP, CLASS A3	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	TREE, CERCIS AMELENCHIER X GRANDIFLORA, AUTUMN BRILLIANCE (A.B. SERVICE BERRY), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	* FILTER FABRIC
						LUMP SUM	EACH	POUND	ACRE	POUND	POUND	POUND	ACRE	FOOT	FOOT	EACH	SQ YD	EACH	EACH	SQ YD
ILLINOIS ROUTE 162 TO OLD TROY ROAD																				
NORTHWEST OF ROUNDABOUT																				
541+50.	TO	654+00.	LT	60,277.8				138.4	1.38	124.5	124.5	124.5	1.38	48.0	341.0	11	143.6	-	-	143.6
ILLINOIS ROUTE 162																				
SOUTHWEST OF ROUNDABOUT - ADJ TO CHURCH FIELDS																				
541+31.46	TO	549+59.87	RT	45,939.5				105.5	1.05	94.9	94.9	94.9	1.05	40.0	-	12	149.5	-	-	149.5
ILLINOIS ROUTE 162																				
SOUTHWEST OF ROUNDABOUT, WEST OF MCT ENTRANCE																				
549+59.87	TO	550+41.28	RT	2,972.1	NO TREE REMOVAL			6.8	0.07	6.1	6.1	6.1	0.07	-	-	1	-	-	-	-
ILLINOIS ROUTE 162																				
SOUTHEAST OF MCT ENTRANCE																				
550+59.39	TO	553+83.05	RT	8,147.0	CLEAR AND GRUB FOR RIPRAP AREA	0.33		18.7	0.19	16.8	16.8	16.8	0.19	-	-	2	195.4	-	-	195.4
544+06.78	TO	555+05.14	RT	4,337.5	NO TREE REMOVAL			10.0	0.10	9.0	9.0	9.0	0.10	-	-					
ILLINOIS ROUTE 162																				
NORTH EAST OF MCT																				
550+59.39	TO	553+83.05	RT	19,620.0	CLEAR AND GRUB	0.33	5	45.0	0.45	40.5	40.5	40.5	0.45	16.0	-	3	18.9	-	-	18.9
OLD TROY ROAD, ALONG MCT TRAIL																				
649+46.52	TO	653+44.73	RT	25,706.5	CLEAR AND GRUB	0.12	1	59.0	0.59	53.1	53.1	53.1	0.59	8.0	-	7	17.6	2	3	17.6
TOTAL:						**1**	**6**	**383.4**	**3.83**	**345.0**	**345.0**	**345.0**	**3.83**	**112.0**	**341.0**	**36**	**524.9**	**2**	**3**	**524.9**
USE:						**1**	**6**	**383**	**4.00**	**360**	**360**	**360**	**4.00**	**112**	**341**	**36**	**525**	**2**	**3**	**525**

* NOT TOTAL CONTRACT QUANTITY

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667-1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	9
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Sch-02
FILE NAME: S:\projects\418-0015-01HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IH-FULLCLOSURE-Schedules.dgn

BASES

START STA	TO	END STA	LT./RT., AR=ACROSS ROAD, CNTR=CENTER OF ROAD	L FOOT	COMMENT	AGGREGATE SUBGRADE IMPROVEMENT CU YD	SUBBASE GRANULAR MATERIAL, TYPE B TON	SUBBASE GRANULAR MATERIAL, TYPE B 12" SQ YD	* BITUMINOUS MATERIALS (PRIME COAT) POUND	STABILIZED SUBBSASE - HOT-MIX ASPHALT, 4" SQ YD	* AGGREGATE BASE COURSE, TYPE A 8" SQ YD
ILLINOIS ROUTE 162											
WEST APPROACH											
541+48.49	TO	542+88.09	LT	139.6	SHOULDER						82.7
541+51.09	TO	542+87.97	RT	136.9	SHOULDER						86.4
542+88.09	TO	544+69.91	LT	181.8	SHOULDER						60.0
542+87.97	TO	544+68.02	RT	180.0	SHOULDER						61.2
542+85.74	TO	544+68.02	AR	182.3		68.0		680.1	1,550.6	689.1	
544+68.	TO	545+74.89	AR	106.9		47.8		477.7	1,053.7	468.3	
545+74.89	TO	546+73.07	LT	98.2		23.9		239.0			
545+75.12	TO	546+73.15	AR	98.0					1,003.1	445.8	
545+74.89	TO	547+36.47	RT	161.6		22.8	228.3				
546+73.	TO	547+31.	LT	58.0		17.4		174.3			
546+73.15	TO	547+39.82	AR	66.7					762.9	339.1	
547+24.76	TO	548+65.12	LT	140.4	NORTH PORTION OF CIRCULATORY	107.9		1,079.2	2,364.3	1,050.8	
547+25.	TO	548+65.12	RT	140.1	SOUTH PORTION OF CIRCULATORY	40.4	403.7		1,635.7	727.0	
548+41.8	TO	549+24.	AR	82.2		44.4		444.0	985.7	438.1	
549+24.	TO	549+98.	AR	74.0		32.5		325.1	715.8	318.1	
549+95.	TO	551+09.17	AR	114.2		47.4		474.1	1,059.0	470.6	
551+09.17	TO	551+62.15	AR	53.0		22.1		220.8	482.5	214.4	
551+59.73	TO	553+59.74	AR	200.0		74.1		740.7	1,535.5	682.4	
EAST APPROACH											
550+89.51	TO	551+09.33	RT	19.8	SHOULDER						12.4
551+09.33	TO	551+59.62	RT	50.3	SHOULDER						28.9
551+59.62	TO	553+61.17	LT	201.5	SHOULDER						118.1
551+59.62	TO	553+21.6	RT	162.0	SHOULDER						89.7
COMMERCIAL /PRIVATE ENTRANCE, 550+45.03, RT											
549+95.58	TO	550+91.19	RT	95.6	BASE UNDER WIDE SHOULDER						57.9
550+05.91	TO	550+91.19	RT	85.3	BASE UNDER ENTRANCE		86.8				172.7
PRIVATE ENTRANCE, 553+75.06, RT											
553+19.36	TO	554+17.9	RT	98.5	BASE UNDER WIDE SHOULDER						113.4
OLD TROY ROAD											
649+38.38	TO	650+16.33	AR	78.0		44.8		448.2		444.1	
650+16.33	TO	651+56.88	AR	140.5		69.3		692.8		690.0	
651+56.88	TO	651+87.53	AR	30.7		13.6		136.2		136.2	
651+87.53	TO	653+42.94	AR	155.4	INCLUDES SMALL SECTION OF CURB	65.9		659.4		659.0	
TOTAL:						**742.4**	**718.8**	**6,791.6**	**13,148.5**	**7,773.1**	**883.4**
USE:						**742**	**719**	**6,792**	**13,148**	**7,773**	**883**

*NOT TOTAL CONTRACT QUANTITY

MODEL: Sch-03
FILE NAME: S:\Projects\418-0015-PHY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP-586-IH-FULLCLOSURE-Schedules.dgn

LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 3 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	10
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

CURBS, MEDIANS, SIDEWALKS

START STA	TO	END STA	LT./RT., AR=ACROSS ROAD, CNTR=CENTER OF ROAD	STA TO STA L	COMMENT	SELECT GRANULAR BACKFILL, SPECIAL	CLASS SI CONCRETE (OUTLET)	AGGREGATE BASE COURSE, TYPE A 4"	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	DETECTABLE WARNINGS	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (MODIFIED)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6 INCH
				FOOT		CU YD	CU YD	SQ YD	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
ILLINOIS ROUTE 162																
LT EOP																
544+68.02	TO	545+40.71	LT	72.7								72.7				
545+40.71	TO	547+06.3	LT	165.6	LARGE RADIUS							162.6				
547+06.3	TO	547+39.1	LT	32.8	SMALL RADIUS							38.7				
547+39.1	TO	547+84.07	LT	45.0	SMALL RADIUS							53.1				
CENTER MEDIAN																
544+68.02	TO	545+75.02	CENTER, LT	107.0	MEDIAN						107.0					
545+75.02	TO	546+62.4	CENTER, LT	87.4	MEDIAN						87.4					
546+62.4	TO	547+25.39	CENTER, LT	63.0	MEDIAN						63.0					
547+25.			CENTER, NOSE		AT CIRCULATORY								13.5			
544+68.02	TO	545+75.02	CENTER	107.0	BACKFILL & MED. SURFACE	23.3										503.4
545+75.02	TO	546+62.4	CENTER	87.4	BACKFILL & MED. SURFACE	22.4										484.9
546+62.4	TO	547+25.39	CENTER	63.0	BACKFILL & MED. SURFACE	14.6										314.8
544+68.02	TO	545+75.02	CENTER, RT	107.0	MEDIAN						107.0					
545+75.02	TO	546+62.4	CENTER, RT	87.4	MEDIAN						87.4					
546+62.4	TO	547+25.39	CENTER, RT	63.0	MEDIAN						63.0					
547+25.39	TO	548+43.96	CENTER, RT	118.6												
RT EOP																
544+68.02	TO	544+92.45	RT	24.4									24.5			
544+92.45	TO	545+40.26	RT	47.8								47.8				
545+40.26	TO	546+61.91	RT	121.7	LARGE RADIUS							124.8				
546+61.91	TO	547+44.68	RT	82.8								91.6				
547+44.6	TO	548+32.47	RT	87.9	SOUTH CIRCULATORY							69.6				
547+25.39	TO	548+43.96	RT	118.6								30.11				
CIRCULATORY																
547+43.	TO	548+47.02	AR	104.0	INNER TRUCK APRON									209.0	322.0	
TRUCK APRON AREA FOR RT TURNS, NORTHEAST OF CIRCULATORY																
548+51.42	TO	549+23.77	LT	72.3	NB TRUCK APRON AREA								62.9		69.4	
LT EOP																
548+99.41	TO	549+95.58	LT	96.2								69.9				
549+95.58	TO	551+09.86	LT	114.3								114.3				
551+09.86	TO	551+59.79	LT	49.9								49.9				
CENTER MEDIAN																
548+63.09	TO	549+25.06	CENTER, LT	62.0	MEDIAN						88.7					
549+25.06	TO	549+95.58	CENTER, LT	70.5	MEDIAN						35.2					
548+63.09	TO	549+25.06	CENTER	62.0	BACKFILL & MED. SURFACE	23.6										510.8
549+25.06	TO	549+95.58	CENTER	70.5	BACKFILL & MED. SURFACE	12.6										271.1
548+64.85			CENTER, NOSE		AT CIRCULATORY								18.13			
548+67.24	TO	549+25.04	CENTER, RT	57.8	SMALL RADIUS						60.2					
549+25.04	TO	549+95.58	CENTER, RT	70.5							62.6					
RT EOP																
548+43.96	TO	549+26.79	RT	82.8	SMALL RADIUS							67.09				
549+26.79	TO	549+95.55	RT	68.8								78.9				
OLD TROY ROAD																
LT EOP																
649+41.67	TO	650+12.83	LT	71.2	SMALL RADIUS							75				
650+12.83	TO	651+56.88	LT	144.0								144.0				
651+56.88	TO	652+18.29	LT	61.4			5.9	26.7								
649+82.75	TO	649+93.99	LT	11.2	SIDEWALK APPROACH			22.6	166.6	19.7						
CENTER MEDIAN																
649+58.83	TO	651+50.14	CENTER, LT	191.3	MEDIAN						191.3					
649+58.83			CENTER, NOSE		AT CIRCULATORY								14.3			
649+58.83	TO	649+77.36	CENTER	18.5	BACKFILL & MED. SURFACE	7.4										159.5
649+77.36	TO	649+89.76	CENTER	12.4	PEDESTRIAN OPENING	1.1			86.1	40.2	17.9					
649+89.76	TO	651+49.61	CENTER	159.8	BACKFILL & MED. SURFACE	37.6										812.83
649+58.83	TO	651+50.14	CENTER, RT	191.3	MEDIAN						191.3					
RT EOP																
649+63.12	TO	650+16.59	RT	53.5	SMALL RADIUS							55.91				
650+16.59	TO	651+55.91	RT	139.3								107.3				
651+55.74	TO	651+87.37	RT	31.6								21.8				
651+87.37	TO	653+18.61	RT	131.2								163.5				
653+18.61	TO	653+42.94	RT	24.3	AT MCT ENTRANCE							31.62				
649+85.74	TO	649+96.57	RT	10.8	SIDEWALK APPROACH			21.6	165.9	19.8						
					TOTAL:	**142.6**	**5.9**	**70.8**	**418.6**	**79.7**	**1,162.0**	**1,670.2**	**133.3**	**209.0**	**391.4**	**3,057.3**
					USE:	**143**	**6**	**71**	**419**	**80**	**1,162.0**	**1,670**	**133**	**209**	**392**	**3,057**

*NOT TOTAL CONTRACT QUANTITY

PAVEMENT AND SHOULDERS

START STA	TO	END STA	LT./RT., AR=ACROSS ROAD, CNTR=CENTER OF ROAD	L FOOT	COMMENT	* BITUMINOUS MATERIALS (PRIME COAT) POUND	BITUMINOUS MATERIALS (TACK COAT) POUND	HOT-MIX ASPHALT SHOULDERS, 9" SQ YD	AGGREGATE SHOULDERS, TYPE B 9" SQ YD	PORTLAND CEMENT CONCRETE SHOULDERS 9" SQ YD	INCIDENTAL HOT-MIX ASPHALT SURFACING (8") TON	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) SQ YD	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) SQ YD
ILLINOIS ROUTE 162													
WEST APPROACH													
541+48.49	TO	542+88.09	LT	139.6	SHOULDER	123.9	12.1	55.1	38.2				
541+51.09	TO	542+87.97	RT	136.9	SHOULDER	114.7	11.2	51.0	37.7				
542+88.09	TO	544+69.91	LT	181.8	SHOULDER				61.2	61.0			
542+87.97	TO	544+68.02	RT	180.0	SHOULDER				60.0	55.9			
542+85.74	TO	544+68.02	AR	182.3								611.5	
544+68.	TO	545+74.89	LT	106.9								142.6	
544+68.	TO	545+74.89	RT	106.9								143.5	
545+74.89	TO	546+73.07	LT	98.2								152.1	
545+74.89	TO	546+73.07	RT	98.2								134.8	
546+73.07	TO	547+35.32	LT	62.3								115.9	
546+73.07	TO	547+39.95	RT	66.9								118.6	
CIRCULATORY													
547+25.03	TO	548+65.66	AR	140.6	CIRCULATORY							767.2	501.5
TRUCK APRON AREA FOR RT TURNS, NORTHEAST OF CIRCULATORY													
548+53.1	TO	548+99.98	LT	46.9									27.9
EAST APPROACH													
548+54.56	TO	549+22.85	LT	68.3								118.9	
548+41.49	TO	549+26.56	RT	85.1								134.3	
549+24.9	TO	549+95.53	LT	70.6								100.0	
549+24.9	TO	549+95.53	RT	70.6								104.4	
549+95.62	TO	550+07.51	RT	11.9					3.9				
549+95.	TO	551+09.17	AR	114.2								404.0	
550+89.73	TO	551+09.27	RT	19.5	SHOULDER				7.2	6.3			
551+09.27	TO	551+59.5	RT	50.2	SHOULDER				18.3	16.1			
551+09.17	TO	551+62.15	AR	53.0								179.8	
551+59.5	TO	553+21.7	RT	162.2	SHOULDER				52.5	54.1			
551+59.81	TO	553+59.79	LT	200.0	SHOULDER				69.2	69.3			
551+59.73	TO	553+59.74	AR	200.0								675.0	
COMMERCIAL /PRIVATE ENTRANCE, 550+45.03, RT													
549+95.58	TO	550+89.47	RT	93.9	WIDENED SHOULDER					30.8			
549+95.58	TO	550+89.47	RT	93.9	ENTRANCE PAVEMENT		18.1	82.2	2.4		65.3		
PRIVATE ENTRANCE, 553+75.06, RT													
553+19.36	TO	554+17.9	RT	98.5	SHOULDER					104.9			
OLD TROY ROAD													
649+45.88	TO	650+12.76	LT	66.9								125.2	
649+79.29	TO	650+12.47	RT	33.2								164.3	
650+12.76	TO	651+56.07	LT	143.3								223.5	
650+12.47	TO	651+56.03	RT	143.6								216.9	
651+56.87	TO	651+87.52	AR	30.6								107.7	
651+80.71	TO	653+37.23	LT	156.5	SHOULDER					102.1			
651+87.52	TO	653+37.23	AR	149.7								460.7	
					TOTAL:	**238.6**	**41.4**	**188.2**	**350.5**	**500.6**	**65.3**	**5,200.8**	**529.4**
					USE:	**239**	**41**	**188**	**351**	**501**	**65**	**5,201**	**529**

*NOT TOTAL CONTRACT QUANTITY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	12
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Sch-05
FILE NAME: S:\Projects\418-0015-0\IY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IH-FULLCLOSURE-Schedules.dgn

PAVEMENT MARKINGS

START STA	TO	END STA	LT/RT, AR=ACROSS ROAD, CENTER	L	COMMENT	MODIFIED URETHANE MARKING LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		MODIFIED URETHANE PAVEMENT MARKING - LINE 6"		MODIFIED URETHANE PAVEMENT MARKING - LINE 12"		PAINT CURB	CURB REFLECTORS		RAISED REFLECTIVE PAVEMENT MARKERS		PAVEMENT MARKING REMOVAL - WATER BLASTING
						WHITE	WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE	YELLOW	AMBER	CRYSTAL	ONE-WAY AMBER	TWO-WAY AMBER	SQ FT
				FOOT		SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	
ILLLINOIS ROUTE 162																		
541+51.	TO	542+88.02	LT	137.0	WHITE EDGE LINE				137.0									69
541+51.	TO	542+88.02	CENTER	137.0	MEDIAN - DOUBLE YELLOW LINES			274.0										91
541+51.	TO	542+88.02	RT	137.0	WHITE EDGE LINE				137.0									69
542+88.02	TO	544+68.02	LT	180.0	WHITE EDGE LINE				180.0									
542+88.02	TO	544+68.02	CENTER	180.0	MEDIAN - DOUBLE YELLOW LINES			720.0								10	1	
542+88.02	TO	544+68.02	CENTER	180.0	MEDIAN - DIAGONALS						35.7							
542+88.02	TO	544+68.02	RT	180.0	WHITE EDGE LINE				180.0									
544+68.02	TO	547+41.1	LT	273.1	WHITE EDGE LINE				273.1									
544+68.02	TO	547+26.61	CENTER	258.6	MEDIAN (RAISED) - YELLOW			520.5					520.5	26	2	14		
546+59.43	TO	547+27.36	CENTER	67.9	MEDIAN - DIAG & EDGE LINE AT CIRCUL				30.0		35.68							
544+68.02	TO	547+46.48	RT	278.5	WHITE EDGE LINE				290.21									
547+27.27	TO	547+46.48	RT	38.9	YIELD & SKIP DASH	33.0						19.5						
547+24.55	TO	548+54.65	CENTER		CIRCULATORY			329.87										
548+53.61	TO	548+70.92	LT	24.0	YIELD & SKIP DASH	36.0						12.0						
548+56.42	TO	549+95.58	LT	139.2	WHITE EDGE LINE				139.2									
548+61.62	TO	549+95.58	CENTER	134.0	MEDIAN (RAISED) - YELLOW			309.0			21.0		309.0			6		
548+61.62	TO	549+95.58	CENTER	134.0	MEDIAN - DIAG & EDGE LINE AT CIRCUL				36.0					22	2			
548+31.39	TO	549+95.58	RT	164.2	WHITE EDGE LINE				164.2									
549+95.58	TO	550+50.	LT	54.4	WHITE EDGE LINE				35.9									
549+95.58	TO	550+50.	CENTER	54.4	MEDIAN - DOUBLE YELLOW LINES											4		
549+95.58	TO	550+50.	CENTER	54.4	MEDIAN - DIAGONALS						111.57							
549+95.58	TO	550+50.	RT	54.4	WHITE EDGE LINE				396.3									
550+50.	TO	553+59.81	LT	309.8	WHITE EDGE LINE				309.8									
550+50.	TO	553+59.81	CENTER	309.8	MEDIAN - DOUBLE YELLOW LINES		1,456.5									16	1	
553+59.81	TO	554+16.7	LT	56.9	WHITE EDGE LINE				56.9									28
553+59.81	TO	554+16.7	CENTER	56.9	MEDIAN - DOUBLE YELLOW LINES			113.8										38
553+59.81	TO	554+16.7	RT	56.9	WHITE EDGE LINE				56.9									28
OLD TROY ROAD																		
649+40.92	TO	649+77.9	LT	38.0	YIELD & SKIP DASH	36.0					19.0							
649+40.92	TO	649+77.9	LT	37.0	WHITE EDGE LINE				37.0									
649+54.	TO	649+77.9	CENTER	23.9	MEDIAN (RAISED) - YELLOW			49.0					23.9	7	2	7		
649+40.92	TO	649+77.9	CENTER	37.0	MEDIAN - DIAG & EDGE LINE AT CIRCUL				37.5		36.8							
649+40.92	TO	649+77.9	RT	37.0	WHITE EDGE LINE				37.0									
649+78.33	TO	649+93.13	LT		CROSSWALK							34.9						
649+78.69	TO	649+96.11	RT		CROSSWALK							41.7						
649+78.84	TO	650+28.91	LT	50.1	WHITE EDGE LINE				50.1									
649+78.84	TO	650+28.91	CENTER	50.1	MEDIAN (RAISED) - YELLOW			50.1					50.1	3		2		
649+78.84	TO	650+28.91	CENTER	50.1	MEDIAN (RAISED) - YELLOW			50.1			5.0		50.1	3		5		
649+78.84	TO	650+28.91	RT	50.1	WHITE EDGE LINE				50.1									
650+28.91	TO	651+55.	LT	126.1	WHITE EDGE LINE				126.1									
650+28.91	TO	651+55.	CENTER	126.1	MEDIAN (RAISED) - YELLOW			126.1					126.1	7				
650+28.91	TO	651+55.	CENTER	126.1	MEDIAN (RAISED) - YELLOW			126.1					126.1	8				
650+28.91	TO	651+55.	RT	126.1	WHITE EDGE LINE				126.1									
651+55.	TO	653+37.3	LT	182.3	WHITE EDGE LINE													
651+55.	TO	653+37.3	CENTER	182.3	MEDIAN - DOUBLE YELLOW LINES		182.3										12	
651+55.	TO	653+37.3	CENTER	182.3	MEDIAN - DIAGONALS			729.2										
651+55.	TO	653+37.3	RT	182.3	WHITE EDGE LINE						35.5							
					TOTAL:	**105.0**	**1,638.8**	**3,397.7**	**2,886.3**	**0.0**	**300.3**	**108.1**	**1,205.7**	**76**	**6**	**64**	**14**	**323**
					USE:	**105**	**5,036**		**2,886**		**408**		**1,206**	**82**		**78**		**323**

PERMANENT SIGNS

STA	LT /RT, CENTER=AT OR NEAR BASELINE	COMMENT	SIZE OF SIGNS	SIGN TO REMAIN	REMOVE AND RELOCATE EXISTING SIGN PANEL	REMOVE EXISTING SIGN COMPLETE	SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT	METAL POST - TYPE A
				EACH	EACH	EACH	SQ FT	FOOT	EACH	FOOT
ILLINOIS ROUTE 162										
538+75.	RT	"T" INTERSECTION AND "OLD TROY ROAD" SIGNS AND POST				1				
544+78.15	CENTER	MEDIAN, R4-7 (WHITE)	18x24				5.0	14.0	1.0	
543+67.73	RT	20 MPH, OLD TROY ROAD, CIRCULATORY (ALL BLACK ON YELLOW)	24x30, 18x24, 30x30				14.3			14.0
545+36.48	RT	EXISTING BIKE PARKING (GREEN)			1					14.0
545+52	LT	EXISTING VILLAGE OF MARYVILLE SIGN			1					28.0
546+15.54	RT	YIELD AHEAD (YELLOW)	30x30				6.3			14.0
546+79.51	LT	EXISTING STOP SIGN (RED)				1				
547+13.84	RT	YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0			14.0
547+13.84	CENTER	MED. - YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0	14.0	1.0	
547+16.96	RT	ROAD CURVES SYMBOL (YELLOW)				1				
547+19.33	CENTER	MEDIAN - DIRECTIONAL WEST+ILLINOIS 162+ARROW	24x12, 24x24, 21x15				10.4	14.0	1.0	
547+63.17	CENTER	ONE WAY	36 x 12				3.0			14.0
548+22.1	CENTER	ONE WAY	36 x 12				3.0			14.0
548+71.69	CENTER	MEDIAN - DIRECTIONAL EAST+ILLINOIS 162+ARROW	24x12, 24x24, 21x15				10.4	14.0	1.0	
548+77.77	LT	YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0			14.0
548+77.77	CENTER	MED. - YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0	14.0	1.0	
549+78.8	LT	YIELD AHEAD (YELLOW)	30x30				6.3			14.0
549+78.8	CENTER	MEDIAN, R4-7 (WHITE)	18x24				5.0	14.0	1.0	
550+73.27	RT	MCT PARKING ENTRANCE - STOP SIGN	30x30				6.3			14.0
552+43.77	LT	20 MPH, OLD TROY ROAD, CIRCULATORY (ALL BLACK ON YELLOW)	24x30, 18x24, 30x30				14.3			14.0
553+40.	LT	EXISTING CITY OF TROY SIGN		1						
554+18.5	RT	KENNEDY DRIVE - STOP SIGN	30x30				6.3			14.0
554+72.43	LT	"T" INTERSECTION AND "OLD TROY ROAD" SIGNS AND POST				1				
OLD TROY ROAD										
649+18.92	LT	ONE WAY	36 x 12				3.0			14.0
649+68.8	LT	YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0			14.0
649+68.8	CENTER	MED. - YIELD (RED TRIANGLE), CIRC. (BLACK ON WHITE), & DO NOT ENTER	36x36x36, 30x30, 30x30				17.0	14.0	1.0	
649+68.8	CENTER	MEDIAN - DIRECTIONAL OLD TROY ROAD + ARROW (WHITE ON GREEN)	18x30				3.8	14.0	1.0	
649+85.45	RT	PEDESTRIAN IN XWALK + DOWNWARDS ARROW (YELLOW)	30x30, 24x12				11.0			14.0
649+94.86	LT	PEDESTRIAN IN XWALK + DOWNWARDS ARROW (YELLOW)	30x30, 24x12				11.0			14.0
650+13.4	RT	EXISTING STOP SIGN (RED)				1				
650+70.82	LT	YIELD AHEAD (YELLOW)	30x30				6.3			14.0
651+43.26	CENTER	MEDIAN, R4-7 (WHITE)	18x24				3.0	14.0	1.0	
652+84.22	RT	EXISTING MCT PARKING			1					14.0
653+17.44	LT	20 MPH, OLD TROY ROAD, CIRCULATORY (ALL BLACK ON YELLOW)	24x30, 18x24, 30x30				14.3			14.0
653+37.3	RT	EXISTING SPEED LIMIT SIGN			1					14.0
		TOTAL:		**1**	**4**	**5**	**244.7**	**126.0**	**9.0**	**294.0**
		USE:		**1**	**4**	**5**	**245**	**126**	**9**	**294**

LANDSCAPING

START STA	TO	END STA	LT/RT, AR=ACROSS ROAD, CENTER	COMMENT	* FILTER FABRIC	* AGGREGATE BASE COURSE, TYPE A 8"	LANDSCAPING GRAVEL
					SQ YD	SQ YD	SQ YD
IL 162 - CIRCULATORY							
547+62.64	TO	548+27.48	AR	CENTER OF CIRCULATORY	366.3	366.3	366.3
TOTAL:					**366.3**	**366.3**	**366.3**
USE:					**366**	**366**	**366**

*NOT TOTAL CONTRACT QUANTITY

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
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PLOT DATE = 9/9/2026	DATE -	REVISED -	

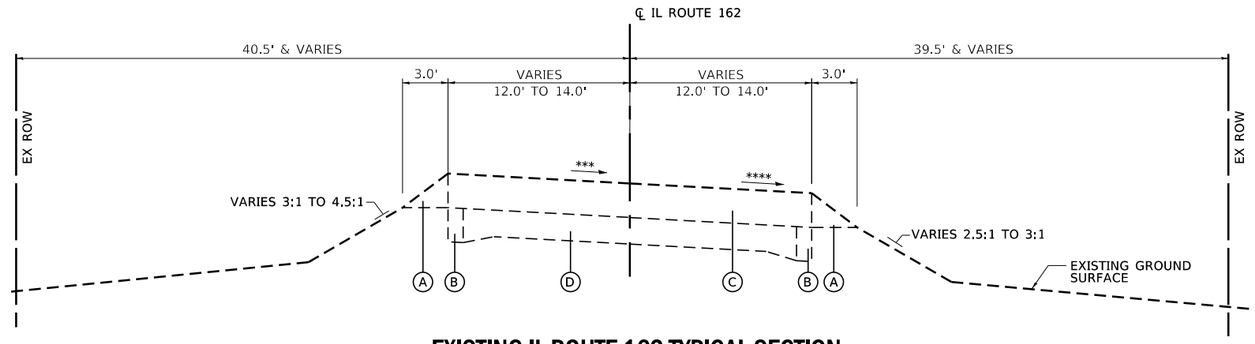
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES
IL ROUTE 162 AND OLD TROY ROAD

SCALE: NONE | SHEET 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	14
* FAP-586/FAU 8898		CONTRACT NO. 97877		
ILLINOIS	FED. AID PROJECT			

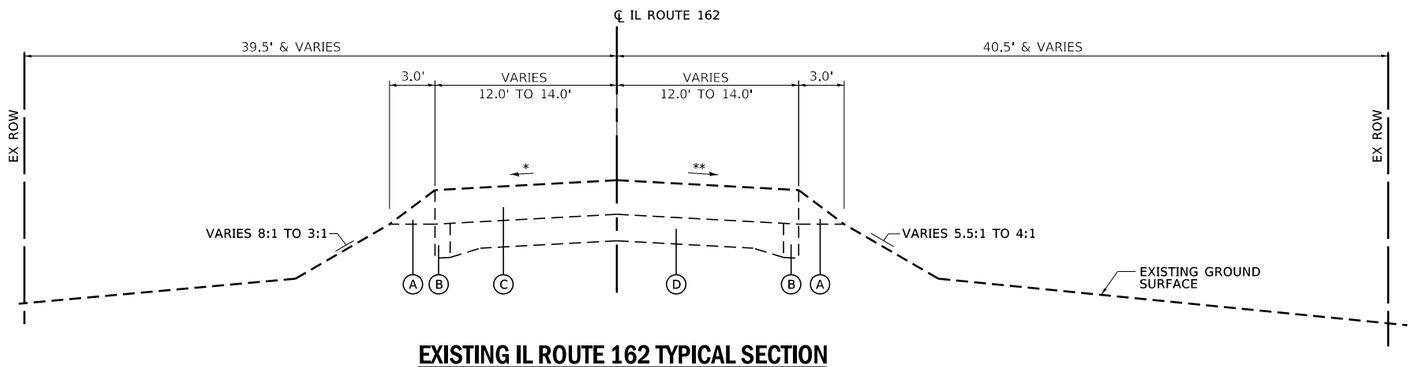
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EXISTING IL ROUTE 162 TYPICAL SECTION

*** LEFT:
VARIES 0.5% TO 5.17%, STA 550+50 TO 553+59.82

**** RIGHT:
2%, STA 550+50 TO STA 551+00
VARIES 2% TO 5.9%, STA 551+00 TO STA 553+59.82



EXISTING IL ROUTE 162 TYPICAL SECTION

* LEFT:
2% & VARIES, STA 541+44.05 TO STA 550+00
VARIES 2% TO 0%, STA 550+00 TO STA 550+50

** RIGHT:
2% & VARIES, STA 541+44.05 TO STA 550+50

LEGEND

- (A) EXISTING AGGREGATE SHOULDER
- (B) EXISTING HOT-MIX ASPHALT WIDENING, ± 9"
- (C) EXISTING HOT-MIX ASPHALT OVERLAY, ± 7"
- (D) EXISTING PORTLAND CEMENT CONCRETE PVT., 9"-7"-9"
- (E) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2 1/2"
- (F) EXISTING HOT-MIX ASPHALT BINDER, 5 1/2"
- (G) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (H) EXISTING MODIFIED SOIL, 12"
- (I) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- (J) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (K) EXISTING BITUMINOUS SURFACE COURSE, 3"
- (L) EXISTING GRASS ISLAND, VARIES 0'-170'
- (M) EXISTING PORTLAND CEMENT CONCRETE SHOULDER, 8"

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
IL ROUTE 162

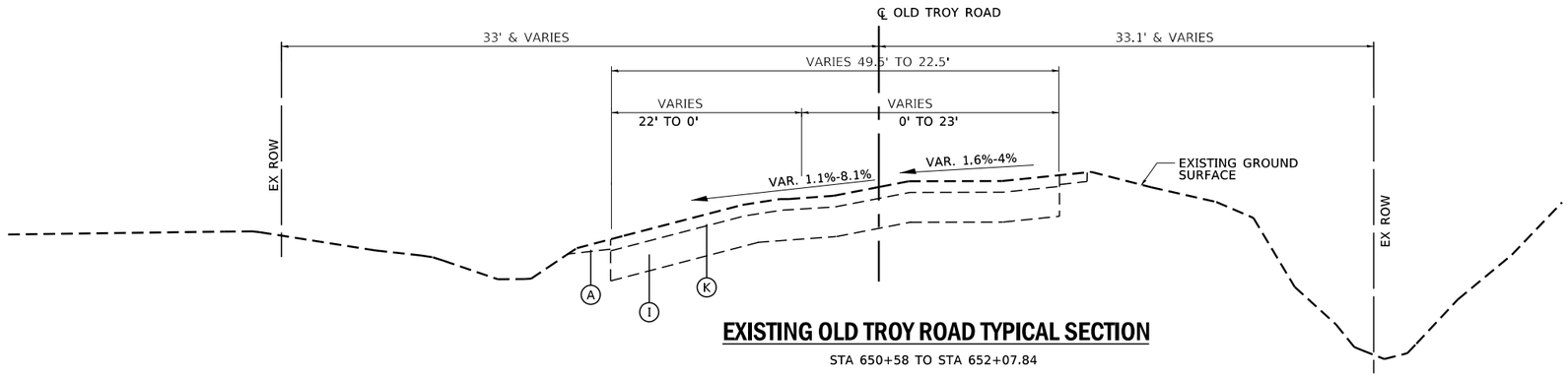
SCALE: | SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	15
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

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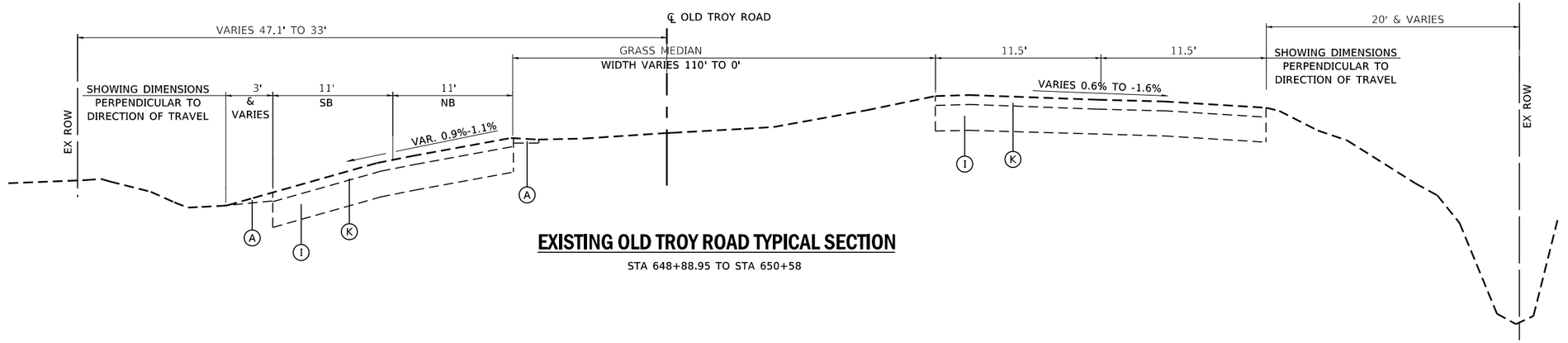
LEGEND

- (A) EXISTING AGGREGATE SHOULDER
- (B) EXISTING HOT-MIX ASPHALT WIDENING, ± 9"
- (C) EXISTING HOT-MIX ASPHALT OVERLAY, ± 7"
- (D) EXISTING PORTLAND CEMENT CONCRETE PVT., 9"-7"-9"
- (E) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2 1/2"
- (F) EXISTING HOT-MIX ASPHALT BINDER, 5 1/2"
- (G) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (H) EXISTING MODIFIED SOIL, 12"
- (I) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- (J) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (K) EXISTING BITUMINOUS SURFACE COURSE, 3"
- (L) EXISTING GRASS ISLAND, VARIES 0'-170'
- (M) EXISTING PORTLAND CEMENT CONCRETE SHOULDER, 8"



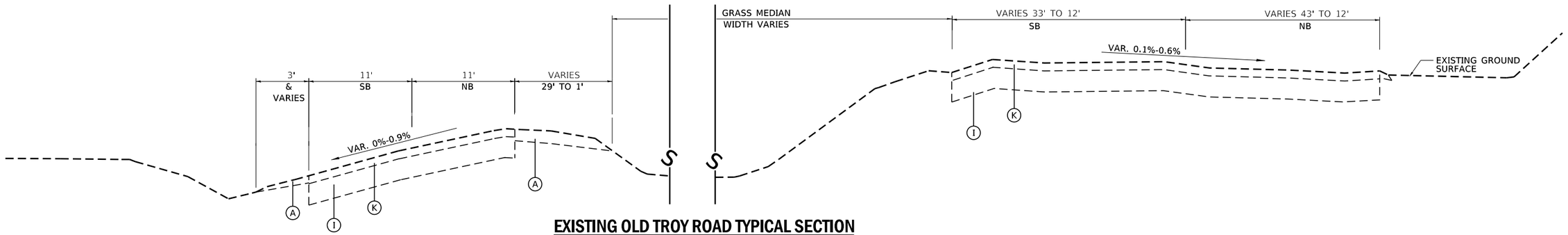
EXISTING OLD TROY ROAD TYPICAL SECTION

STA 650+58 TO STA 652+07.84



EXISTING OLD TROY ROAD TYPICAL SECTION

STA 648+88.95 TO STA 650+58



EXISTING OLD TROY ROAD TYPICAL SECTION

NORTH EDGE OF IL 162 TO STA 648+88.95

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103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

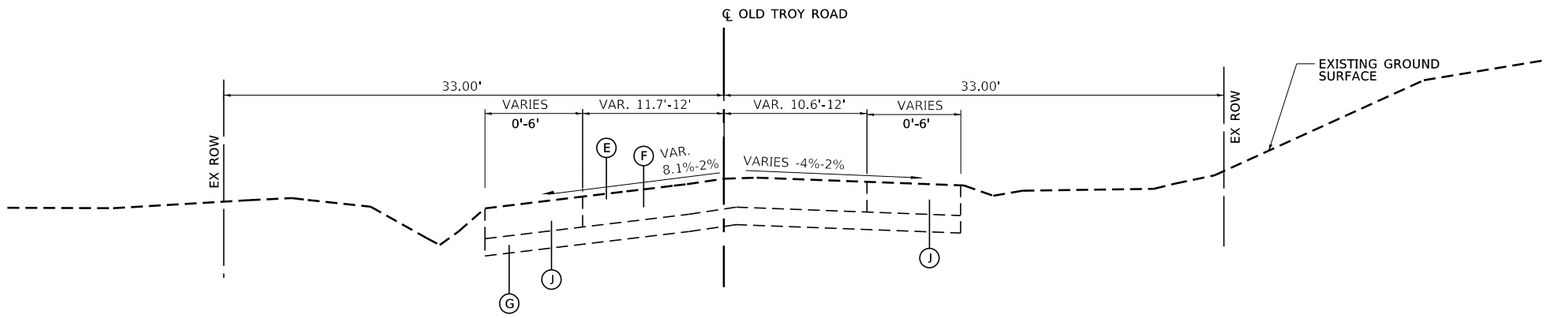
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
OLD TROY ROAD

SCALE: | SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	16
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



EXISTING OLD TROY ROAD TYPICAL SECTION

STA 652+07.84 TO STA 653+37.28

LEGEND

- (A) EXISTING AGGREGATE SHOULDER
- (B) EXISTING HOT-MIX ASPHALT WIDENING, ± 9"
- (C) EXISTING HOT-MIX ASPHALT OVERLAY, ± 7"
- (D) EXISTING PORTLAND CEMENT CONCRETE PVT., 9"-7"-9"
- (E) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2 1/2"
- (F) EXISTING HOT-MIX ASPHALT BINDER, 5 1/2"
- (G) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (H) EXISTING MODIFIED SOIL, 12"
- (I) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- (J) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (K) EXISTING BITUMINOUS SURFACE COURSE, 3"
- (L) EXISTING GRASS ISLAND, VARIES 0'-170'
- (M) EXISTING PORTLAND CEMENT CONCRETE SHOULDER, 8"

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

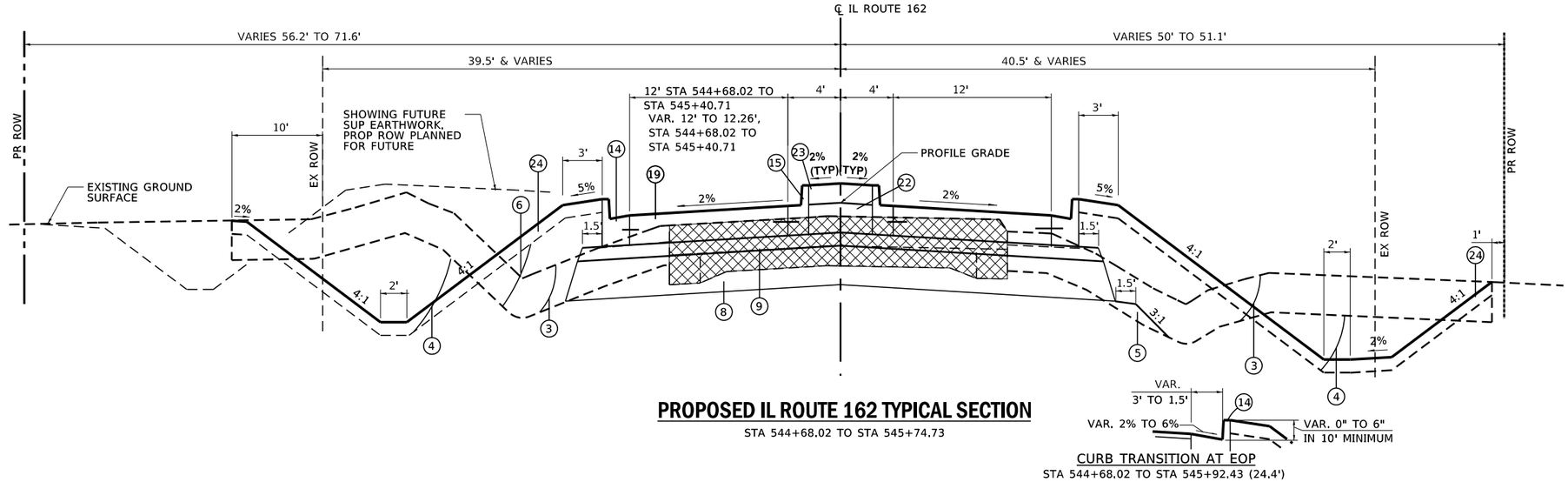
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	DRAWN -	REVISED -
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PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
OLD TROY ROAD

SCALE: | SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	17
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



PROPOSED IL ROUTE 162 TYPICAL SECTION

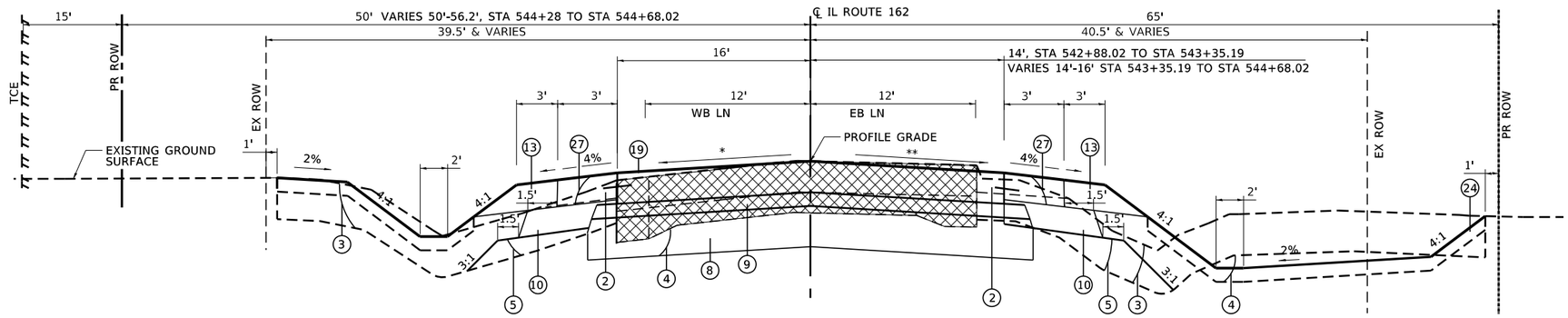
STA 544+68.02 TO STA 545+74.73

CURB TRANSITION AT EOP

STA 544+68.02 TO STA 545+92.43 (24.4')

LEGEND

1. PAVEMENT REMOVAL
2. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
3. TOPSOIL EXCAVATION 12" (EXCAV PORTION OF TS EXCAV & PLACEMENT)
4. EARTH EXCAVATION
5. EMBANKMENT (STRUCTURAL - EARTH EXCAV. OR FURN. EXCAV)
6. EMBANKMENT (PLACEMENT PORTION OF TS EXCAV & PLACEMENT)
7. AGGREGATE SUBGRADE IMPROVEMENT (RR1)
8. SUBBASE GRANULAR MATERIAL, TYPE B 12", & TON ITEM, SOME AREAS
9. STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
10. AGGREGATE BASE COURSE, TYPE A 8 INCH
11. BITUMINOUS MATERIALS (PRIME COAT)
12. HOT-MIX ASPHALT SHOULDERS, 9 INCH
13. AGGREGATE SHOULDERS, TYPE B 9"
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (MODIFIED)
17. COMB CONC C & G, TYPE M-2.12 - SEE TRUCK APRON
18. DRIVEWAY PAVEMENT REMOVAL
19. PORTLAND CEMENT CONCRETE PAVEMENT 9"
20. STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. SELECT GRANULAR BACKFILL, SPECIAL
23. STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6"
24. TOPSOIL PLACEMENT 4"
25. FILTER FABRIC
26. LANDSCAPING GRAVEL
27. PORTLAND CEMENT CONCRETE SHOULDERS, 9"

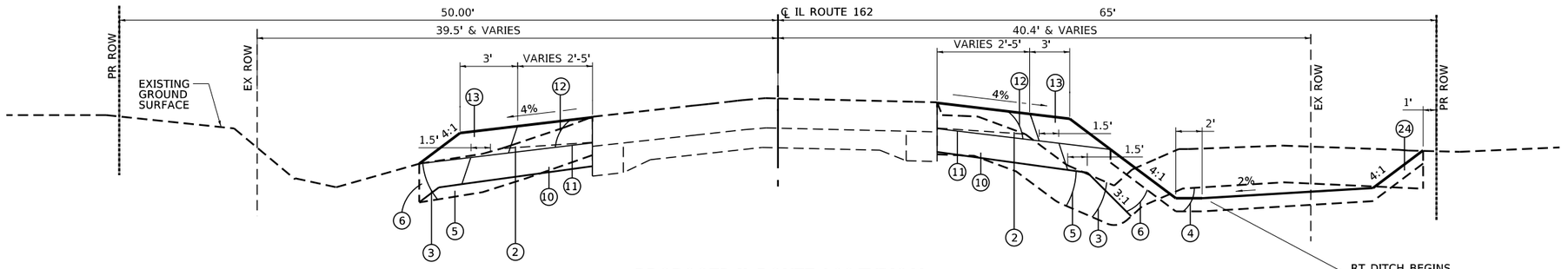


PROPOSED IL ROUTE 162 TYPICAL SECTION

STA 542+88.02 TO STA 544+68.02

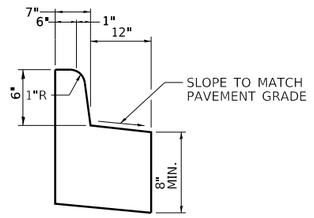
* **MATCH EXIST SLOPE (3.3%) AT 542+88.02, TRANSITION TO 2% AT 543+35.19, 2% 543+35.19 TO 544+68.02**

** **MATCH EXIST SLOPE (0.8%) AT 542+88.02, TRANSITION TO 2% AT 543+35.19, 2% 542+35.19 TO 544+68.02**



PROPOSED IL ROUTE 162 TYPICAL

STA 541+50.27 TO STA 542+88.02



COMB. CONC. CURB AND GUTTER, TYPE B-6.12 MODIFIED

N.T.S.

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
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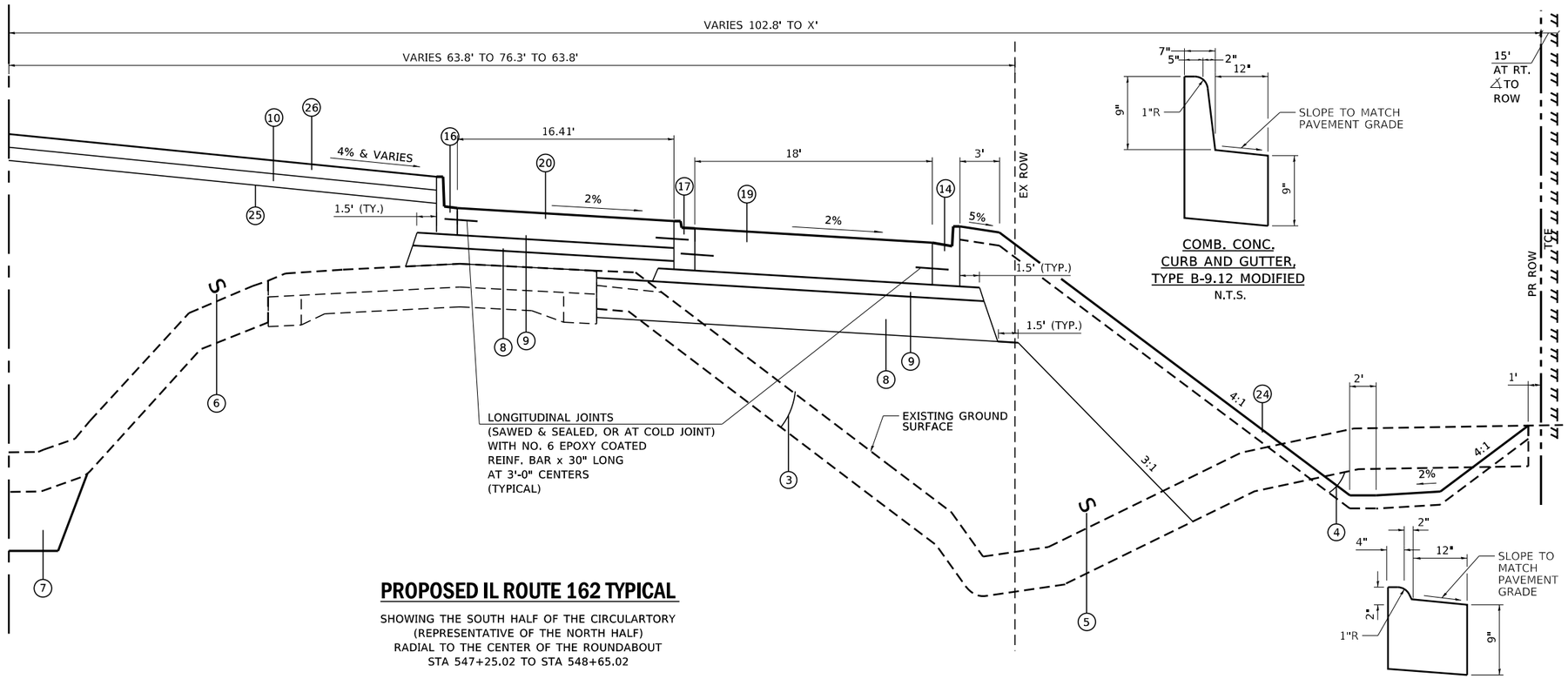
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 162

SCALE: | SHEET 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	18
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

℄ IL ROUTE 162



PROPOSED IL ROUTE 162 TYPICAL

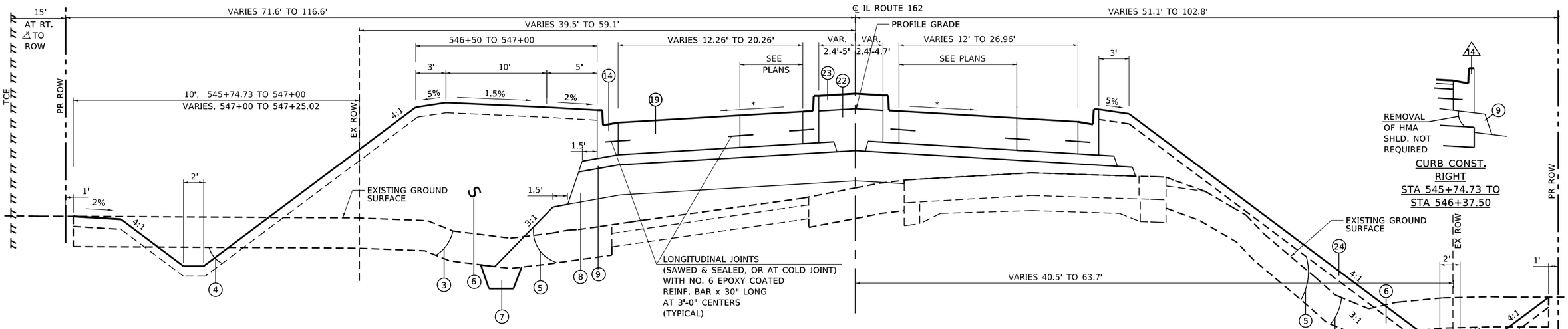
SHOWING THE SOUTH HALF OF THE CIRCULARTORY
(REPRESENTATIVE OF THE NORTH HALF)
RADIAL TO THE CENTER OF THE ROUNDABOUT
STA 547+25.02 TO STA 548+65.02

COMB. CONC.
CURB AND GUTTER,
TYPE B-9.12 MODIFIED
N.T.S.

COMB. CONC.
CURB AND GUTTER,
TYPE M-2.12
N.T.S.

LEGEND

1. PAVEMENT REMOVAL
2. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
3. TOPSOIL EXCAVATION 12" (EXCAV PORTION OF TS EXCAV & PLACEMENT)
4. EARTH EXCAVATION
5. EMBANKMENT (STRUCTURAL - EARTH EXCAV. OR FURN. EXCAV)
6. EMBANKMENT (PLACEMENT PORTION OF TS EXCAV & PLACEMENT)
7. AGGREGATE SUBGRADE IMPROVEMENT (RR1)
8. SUBBASE GRANULAR MATERIAL, TYPE B 12", & TON ITEM, SOME AREAS
9. STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
10. AGGREGATE BASE COURSE, TYPE A 8 INCH
11. BITUMINOUS MATERIALS (PRIME COAT)
12. HOT-MIX ASPHALT SHOULDERS, 9 INCH
13. AGGREGATE SHOULDERS, TYPE B 9"
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (MODIFIED)
17. COMB CONC C & G, TYPE M-2.12 - SEE TRUCK APRON
18. DRIVEWAY PAVEMENT REMOVAL
19. PORTLAND CEMENT CONCRETE PAVEMENT 9"
20. STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. SELECT GRANULAR BACKFILL, SPECIAL
23. STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6"
24. TOPSOIL PLACEMENT 4"
25. FILTER FABRIC
26. LANDSCAPING GRAVEL
27. PORTLAND CEMENT CONCRETE SHOULDERS, 9"



CURB CONST.
RIGHT
STA 545+74.73 TO
STA 546+37.50

PROPOSED IL ROUTE 162 TYPICAL

STA 545+74.73 TO STA 547+25.02

* 2% 545+74.73 TO 547+00, SLOPE VARIES 2% TO 2.5%, 547+00 TO EDGES OF CIRCULATORY

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

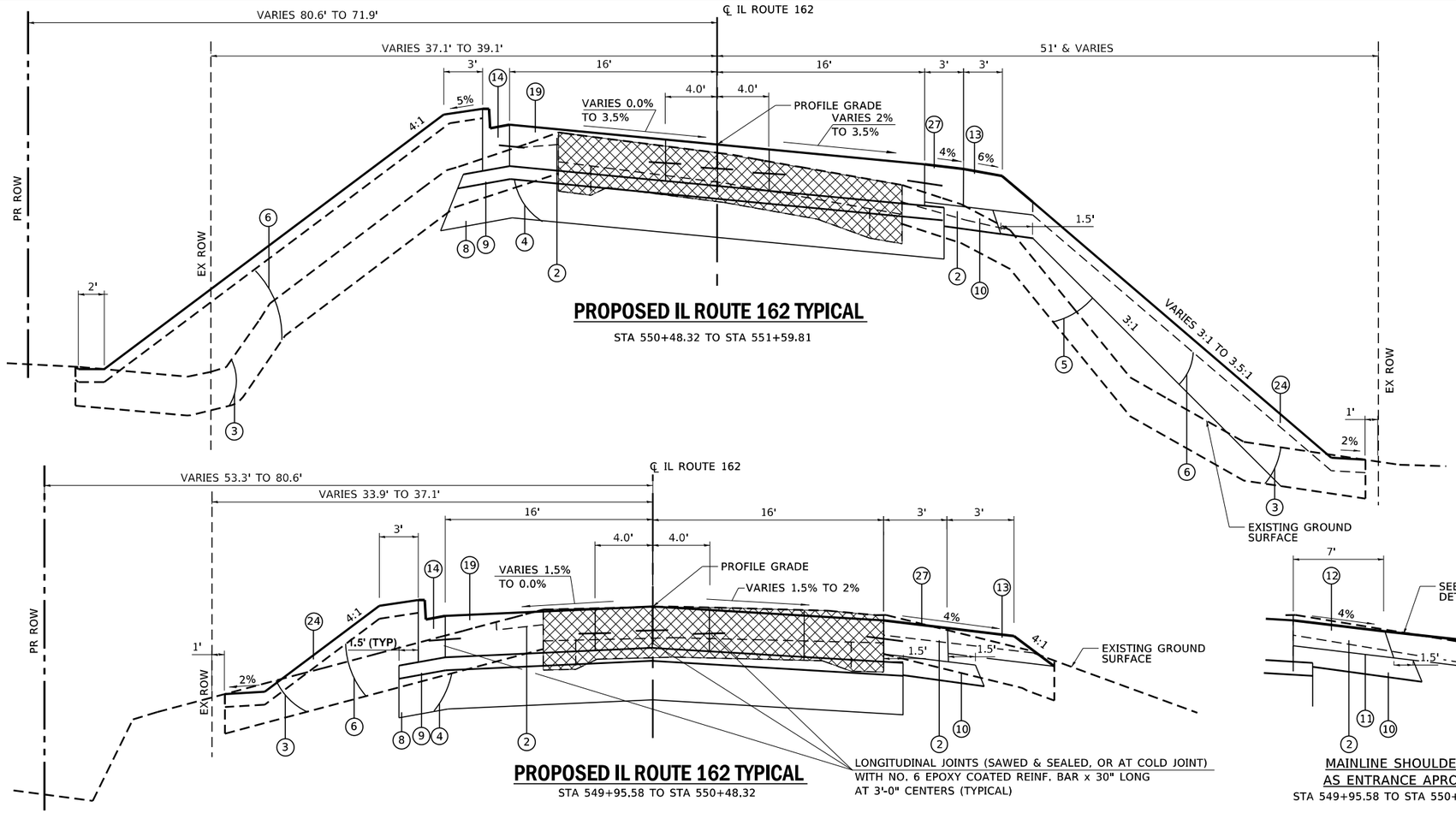
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 162

SCALE: | SHEET 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	19
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Typ 02
FILE NAME: S:\Projects\418-0015-00\IV IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-ilh-rFULLCLOSURE-prop-Xyalcal.dgn



PROPOSED IL ROUTE 162 TYPICAL

STA 550+48.32 TO STA 551+59.81

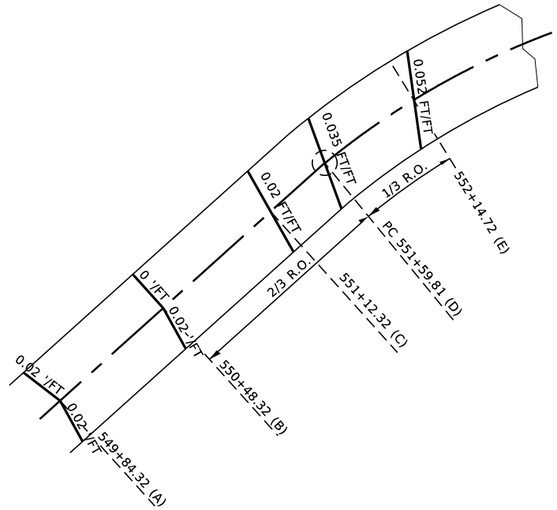
PROPOSED IL ROUTE 162 TYPICAL

STA 549+95.58 TO STA 550+48.32

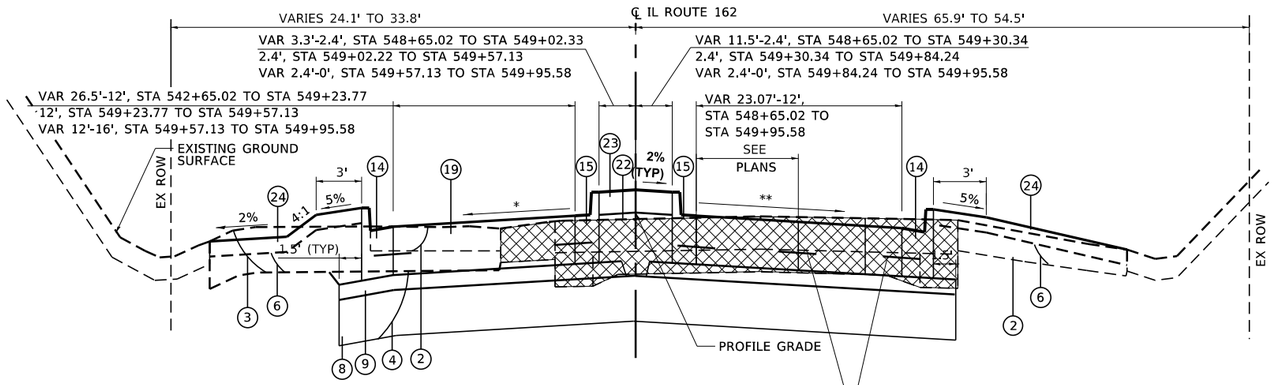
LONGITUDINAL JOINTS (SAWED & SEALED, OR AT COLD JOINT)
WITH NO. 6 EPOXY COATED REINF. BAR x 30" LONG
AT 3'-0" CENTERS (TYPICAL)

MAINLINE SHOULDER AS ENTRANCE APRON

STA 549+95.58 TO STA 550+89.20



PROPOSED IL ROUTE 162 S.E. TRANSITIONS AT PC STA 551+59.81



PROPOSED IL ROUTE 162 TYPICAL

STA 548+65.02 TO STA 549+95.58

LONGITUDINAL JOINTS (SAWED & SEALED, OR AT COLD JOINT)
WITH NO. 6 EPOXY COATED REINF. BAR x 30" LONG
AT 3'-0" CENTERS (TYPICAL)

* VARIES 1.2% TO 2%, EDGES OF CIRCULATORY TO 549+00, 2% 549+00 TO 549+84.32, VARIES 2% TO 1.5% 549+84.32 TO 549+95.58

** VARIES 1.4% TO 2%, EDGES OF CIRCULATORY TO 548+75, 2% 548+75 TO 549+95.58

LEGEND

1. PAVEMENT REMOVAL
2. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
3. TOPSOIL EXCAVATION 12" (EXCAV PORTION OF TS EXCAV & PLACEMENT)
4. EARTH EXCAVATION
5. EMBANKMENT (STRUCTURAL - EARTH EXCAV. OR FURN. EXCAV)
6. EMBANKMENT (PLACEMENT PORTION OF TS EXCAV & PLACEMENT)
7. AGGREGATE SUBGRADE IMPROVEMENT (RR1)
8. SUBBASE GRANULAR MATERIAL, TYPE B 12", & TON ITEM, SOME AREAS
9. STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
10. AGGREGATE BASE COURSE, TYPE A 8 INCH
11. BITUMINOUS MATERIALS (PRIME COAT)
12. HOT-MIX ASPHALT SHOULDERS, 9 INCH
13. AGGREGATE SHOULDERS, TYPE B 9"
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (MODIFIED)
17. COMB CONC C & G, TYPE M-2.12 - SEE TRUCK APRON
18. DRIVEWAY PAVEMENT REMOVAL
19. PORTLAND CEMENT CONCRETE PAVEMENT 9"
20. STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9"
21. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
22. SELECT GRANULAR BACKFILL, SPECIAL
23. STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6"
24. TOPSOIL PLACEMENT 4"
25. FILTER FABRIC
26. LANDSCAPING GRAVEL
27. PORTLAND CEMENT CONCRETE SHOULDERS, 9"

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

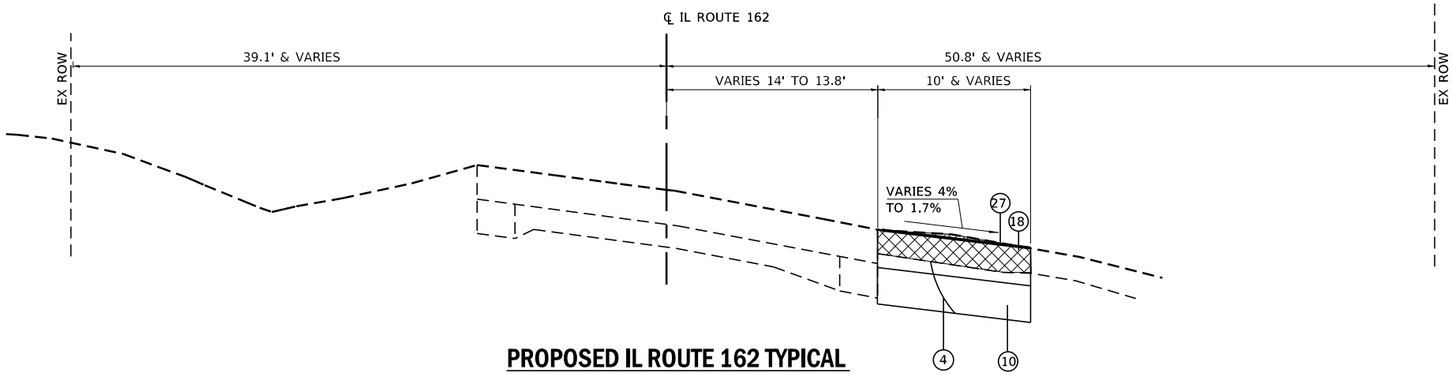
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 162

SCALE: | SHEET 3 OF 5 SHEETS

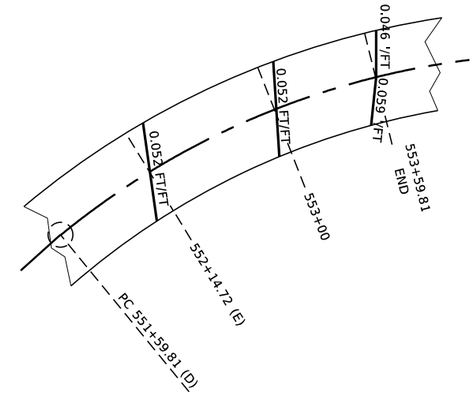
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	20
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Typ 03
FILE NAME: S:\Projects\18-0015-0\IV IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-IN-FULLCLOSURE-group_typicalLogn

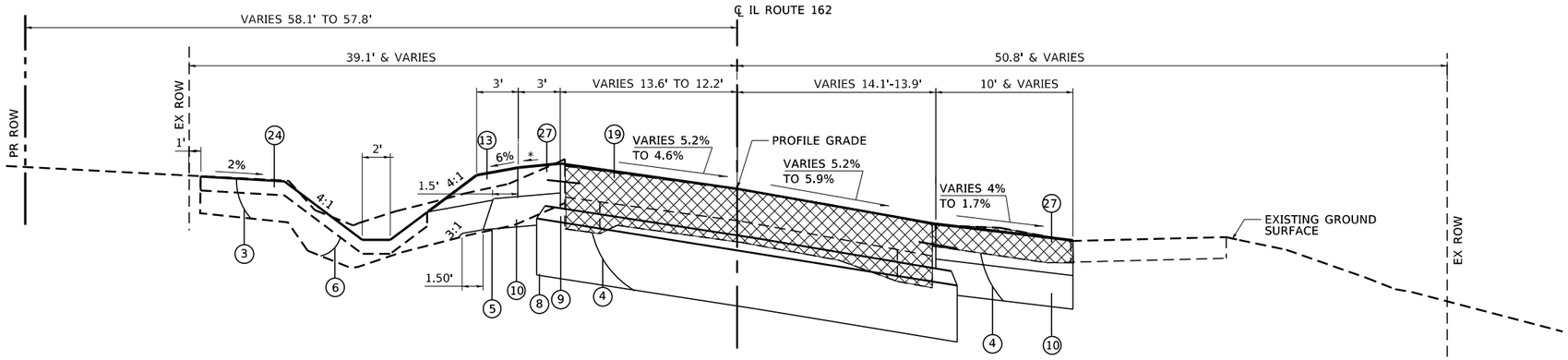


PROPOSED IL ROUTE 162 TYPICAL

STA 553+59.81 TO STA 554+16.70



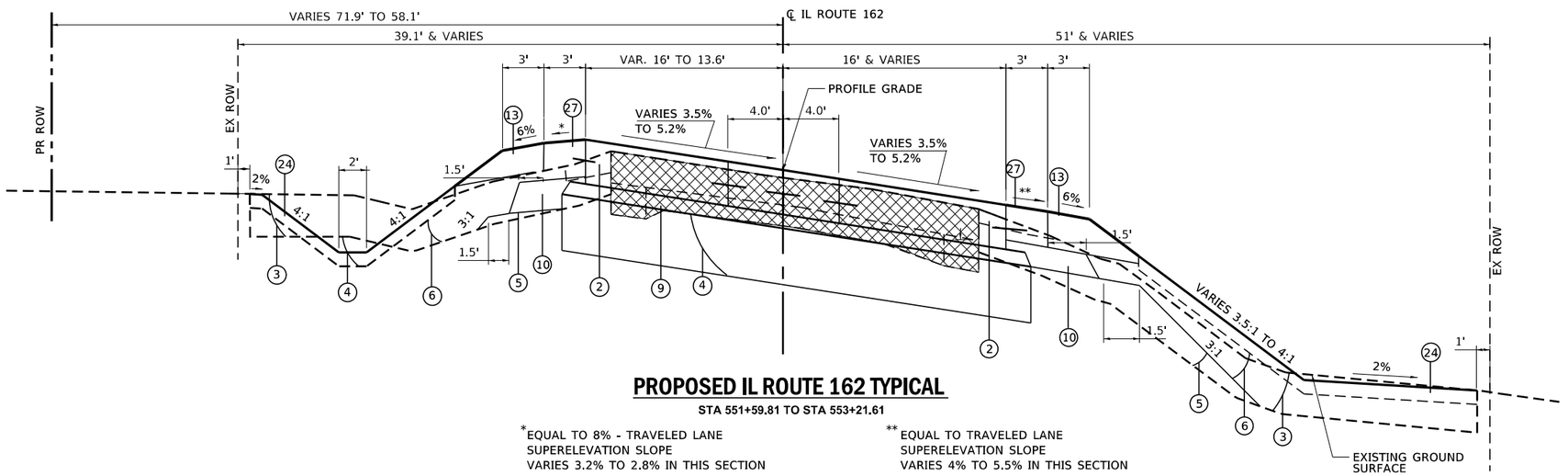
PROPOSED IL ROUTE 162 S.E. TRANSITIONS
STA 553+00 TO END OF PROJECT



PROPOSED IL ROUTE 162 TYPICAL

STA 553+21.61 TO STA 553+59.81

*EQUAL TO 8% - TRAVELED LANE
SUPERELEVATION SLOPE
VARIES 2.9% TO 3.5% IN THIS SECTION



PROPOSED IL ROUTE 162 TYPICAL

STA 551+59.81 TO STA 553+21.61

*EQUAL TO 8% - TRAVELED LANE
SUPERELEVATION SLOPE
VARIES 3.2% TO 2.8% IN THIS SECTION

**EQUAL TO TRAVELED LANE
SUPERELEVATION SLOPE
VARIES 4% TO 5.5% IN THIS SECTION

LEGEND

1. PAVEMENT REMOVAL
2. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
3. TOPSOIL EXCAVATION 12" (EXCAV PORTION OF TS EXCAV & PLACEMENT)
4. EARTH EXCAVATION
5. EMBANKMENT (STRUCTURAL - EARTH EXCAV. OR FURN. EXCAV)
6. EMBANKMENT (PLACEMENT PORTION OF TS EXCAV & PLACEMENT)
7. AGGREGATE SUBGRADE IMPROVEMENT (RR1)
8. SUBBASE GRANULAR MATERIAL, TYPE B 12", & TON ITEM, SOME AREAS
9. STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
10. AGGREGATE BASE COURSE, TYPE A 8 INCH
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22. SELECT GRANULAR BACKFILL, SPECIAL
23. STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 6"
24. TOPSOIL PLACEMENT 4"
25. FILTER FABRIC
26. LANDSCAPING GRAVEL
27. PORTLAND CEMENT CONCRETE SHOULDERS, 9"

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667 1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
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PLOT DATE = 9/9/2026	DATE -	REVISED -

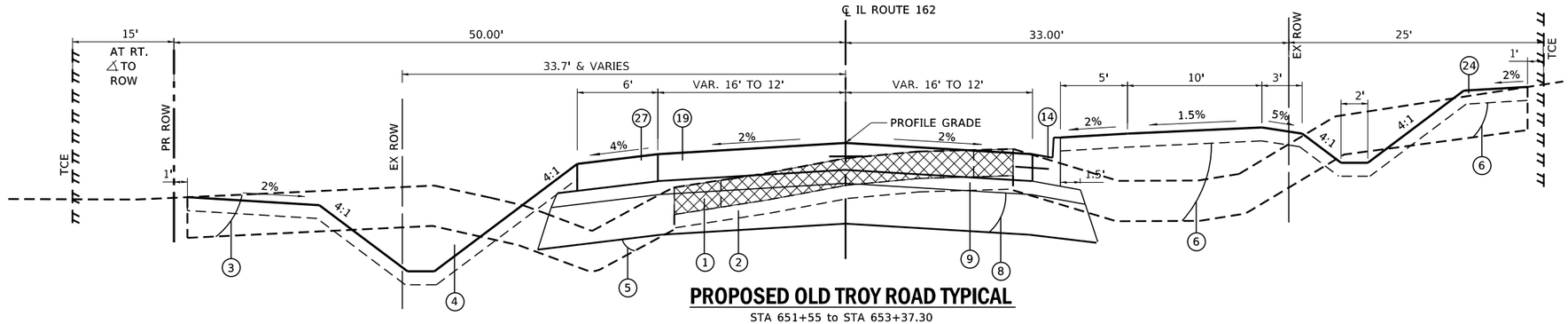
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 162

SCALE: | SHEET 4 OF 5 SHEETS

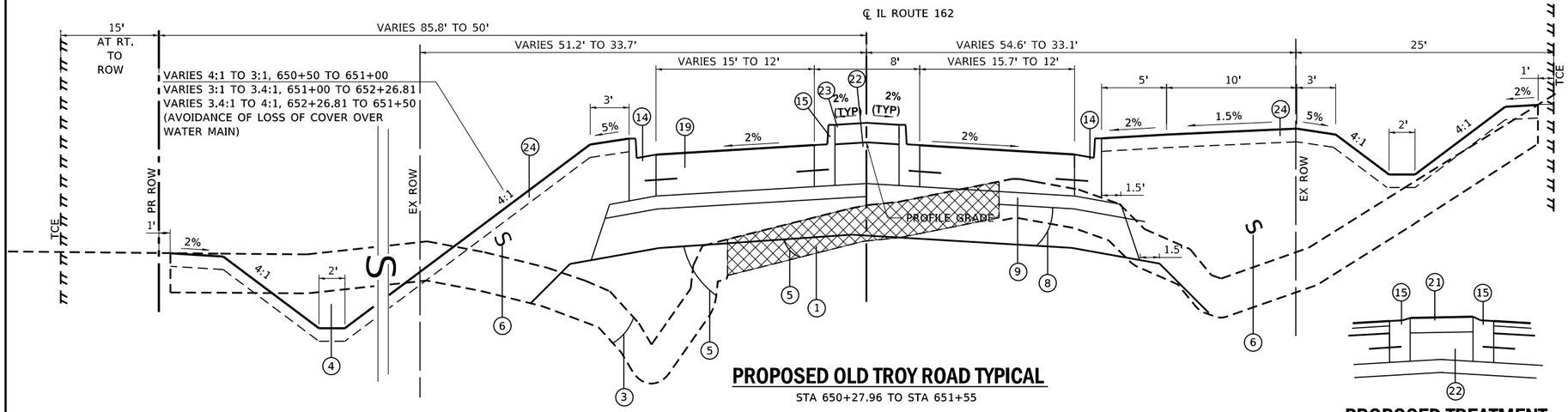
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	21
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Typ 04
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IHI-FULLCLOSURE-group_typical.dgn



PROPOSED OLD TROY ROAD TYPICAL

STA 651+55 to STA 653+37.30



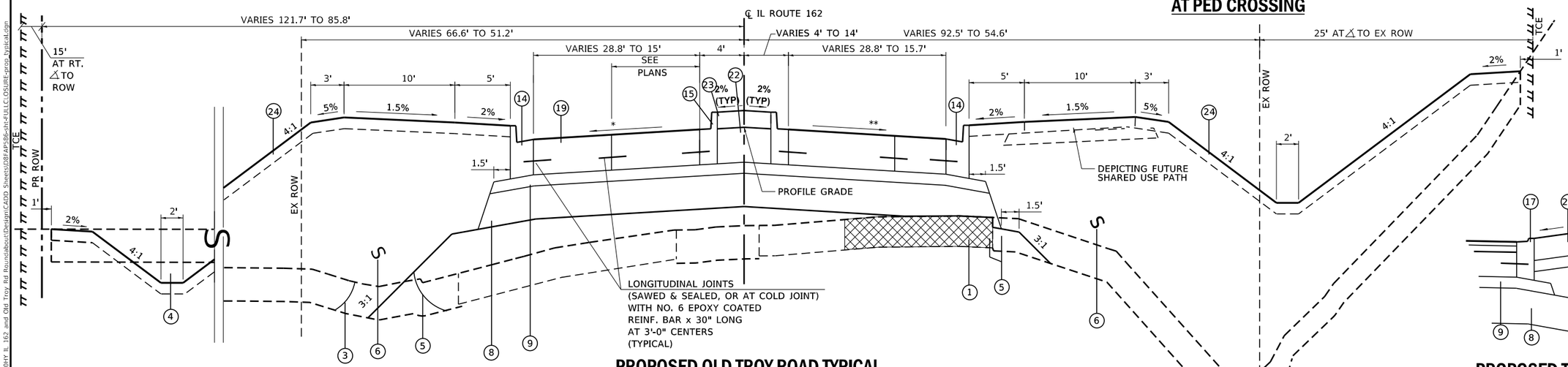
PROPOSED OLD TROY ROAD TYPICAL

STA 650+27.96 TO STA 651+55

PROPOSED TREATMENT AT PED CROSSING

LEGEND

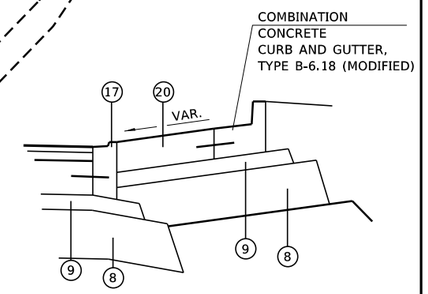
1. PAVEMENT REMOVAL
2. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
3. TOPSOIL EXCAVATION 12" (EXCAV PORTION OF TS EXCAV & PLACEMENT)
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27. PORTLAND CEMENT CONCRETE SHOULDERS, 9"



LONGITUDINAL JOINTS
(SAWED & SEALED, OR AT COLD JOINT)
WITH NO. 6 EPOXY COATED
REINF. BAR x 30" LONG
AT 3'-0" CENTERS
(TYPICAL)

PROPOSED OLD TROY ROAD TYPICAL

STA 649+50 (EARTHWORK STAGE CONSTRUCTION LINE) TO STA 650+27.96
* VARIES 1.2% TO 2%, EDGES OF CIRCULATORY TO 650+27.96
** VARIES 1.4% TO 2%, EDGES OF CIRCULATORY TO 650+27.96



PROPOSED TRUCK APRON TYPICAL FOR WB RT TURN

(SEE INTERSECTION DETAILS)

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
OLD TROY ROAD

SCALE: | SHEET 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	22
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Typ 05
FILE NAME: S:\Projects\418-0015-01H* IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBPAPS\86-alt-FULLCLOSURE-prop-Typical.dgn

PROP CURVE WPROIL162_1
PI STA = 546+00.00
Δ = 10°06'54" (LT)
D = 8°29'18"
R = 675.00'
T = 59.74'
L = 119.16'
E = 2.64'
S.E. = NA*
TANGENT RUNOUT = NA*
S.E. RUNOFF = NA*
P.C. STA = 545+40.26
P.T. STA = 546+59.43

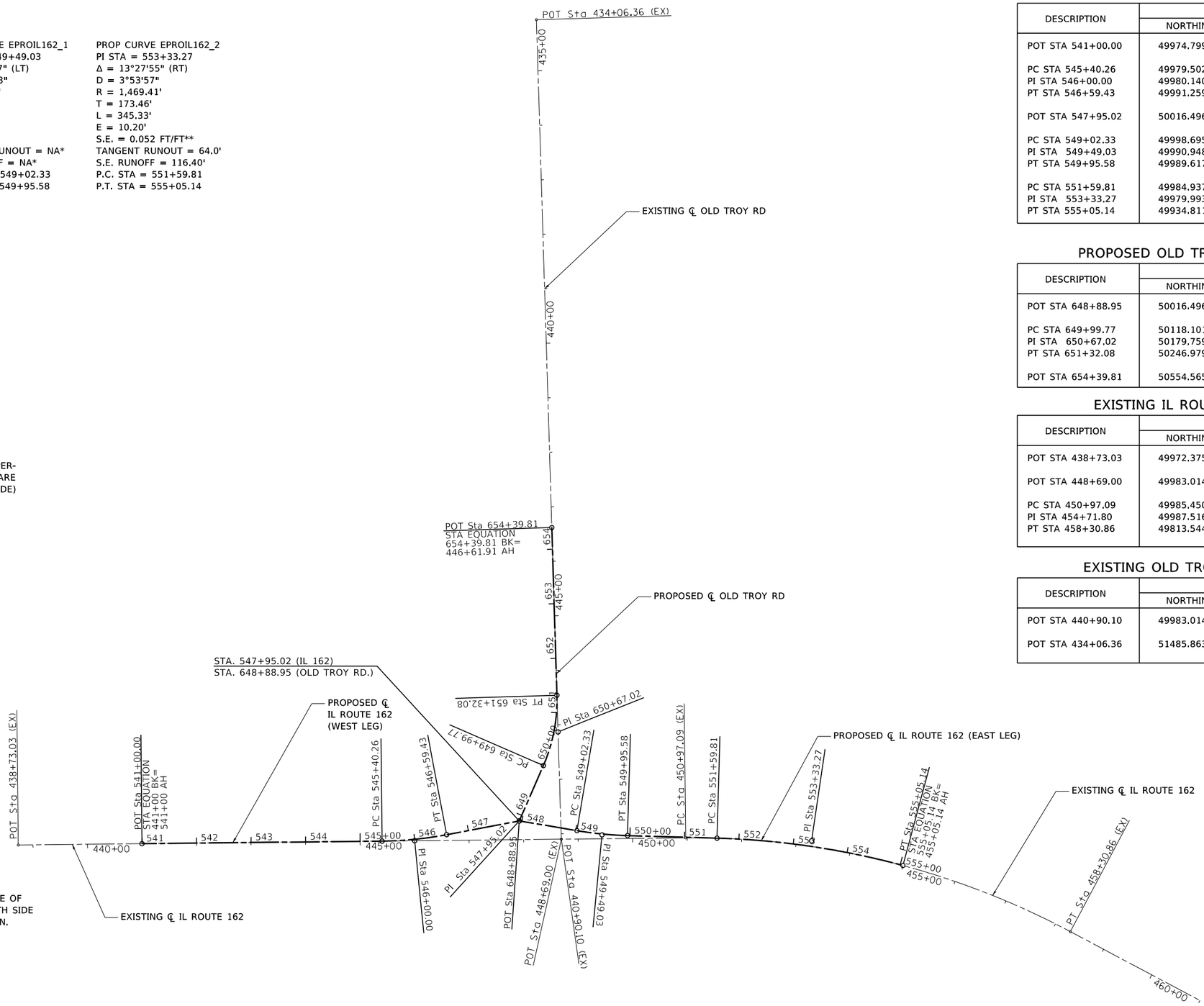
PROP CURVE EPROIL162_1
PI STA = 549+49.03
Δ = 7°54'57" (LT)
D = 8°29'18"
R = 675.00'
T = 46.70'
L = 93.25'
E = 1.61'
S.E. = NA*
TANGENT RUNOUT = NA*
S.E. RUNOFF = NA*
P.C. STA = 549+02.33
P.T. STA = 549+95.58

PROP CURVE EPROIL162_2
PI STA = 553+33.27
Δ = 13°27'55" (RT)
D = 3°53'57"
R = 1,469.41'
T = 173.46'
L = 345.33'
E = 10.20'
S.E. = 0.052 FT/FT**
TANGENT RUNOUT = 64.0'
S.E. RUNOFF = 116.40'
P.C. STA = 551+59.81
P.T. STA = 555+05.14

PROP CURVE PROOLDTROYRD_3
PI STA = 650+67.02
Δ = 25°16'12" (LT)
D = 19°05'55"
R = 300.00'
T = 67.25'
L = 132.31'
E = 7.45'
S.E. = NA*
TANGENT RUNOUT = NA*
S.E. RUNOFF = NA*
P.C. STA = 649+99.77
P.T. STA = 651+32.08

*CURVE IN ROUNDABOUT APPROACH.
NO S.E. DUE TO LOWER DESIGN SPEEDS

**MAXIMUM S.E. = 0.052 FT/FT.
EASTMOST PROJECT TERMINI IS WITHIN THE IL 162 HORIZONTAL CURVE, IN FULL SUPER-ELEVATION, SO EXISTING SUPERELEVATIONS ARE MATCHED (0.046 '/' LT SIDE + 0.059 '/' RT SIDE)



BENCHMARK "2020-1B"
CUT "X" ON FLANGE BOLT ON FIRE HYDRANT, OUTSIDE OF FENCED AREA OF CITY OF TROY PUMP STATION, NORTH SIDE OF IL 162 AND NORTH OF KENNEDY DR. INTERSECTION.
(BOOK# FA586/30)
ELEV 577.860

BENCHMARK "2020"
BRASS DISK IN PVMT @ CENTERLINE IL 162,
STA. 10+09.74, 48.86' LT, EL. 578.56

BENCHMARK "TBM"
RR SPIKE IN P.POLE STA. 10+49, 112' LT, EL. 575.86

PROPOSED IL ROUTE 162

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 541+00.00	49974.7990	49279.6630
PC STA 545+40.26	49979.5023	49719.9010
PI STA 546+00.00	49980.1404	49779.6345
PT STA 546+59.43	49991.2592	49838.3274
POT STA 547+95.02	50016.4966	49971.5487
PC STA 549+02.33	49998.6952	50077.3728
PI STA 549+49.03	49990.9480	50123.4275
PT STA 549+95.58	49989.6171	50170.1103
PC STA 551+59.81	49984.9371	50334.2710
PI STA 553+33.27	49979.9938	50507.6642
PT STA 555+05.14	49934.8110	50675.1400

PROPOSED OLD TROY ROAD

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 648+88.95	50016.4966	49971.5487
PC STA 649+99.77	50118.1015	50015.7940
PI STA 650+67.02	50179.7596	50042.6439
PT STA 651+32.08	50246.9792	50040.6035
POT STA 654+39.81	50554.5657	50031.2668

EXISTING IL ROUTE 162

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 438+73.03	49972.3750	49052.7030
POT STA 448+69.00	49983.0140	50048.6190
PC STA 450+97.09	49985.4500	50276.6990
PI STA 454+71.80	49987.5160	50659.2260
PT STA 458+30.86	49813.5440	50982.2260

EXISTING OLD TROY ROAD

DESCRIPTION	COORDINATE	
	NORTHING	EASTING
POT STA 440+90.10	49983.0140	50048.6190
POT STA 434+06.36	51485.8630	50002.9950

N

0 100 200 300
SCALE IN FEET

MODEL: Alignment Sheet
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8PAPS86-alt-FULLCLOSURE-Align.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

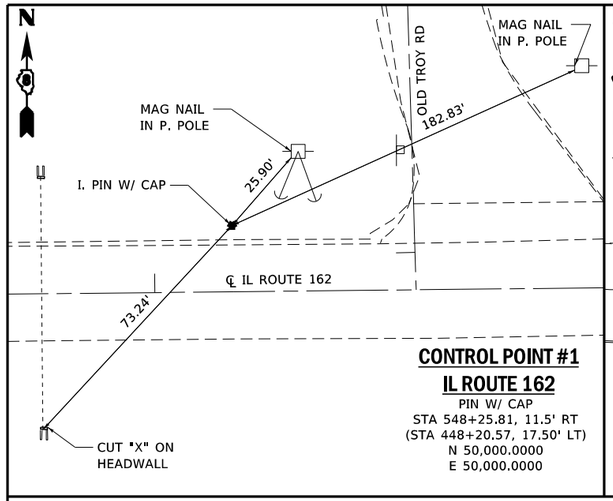
USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

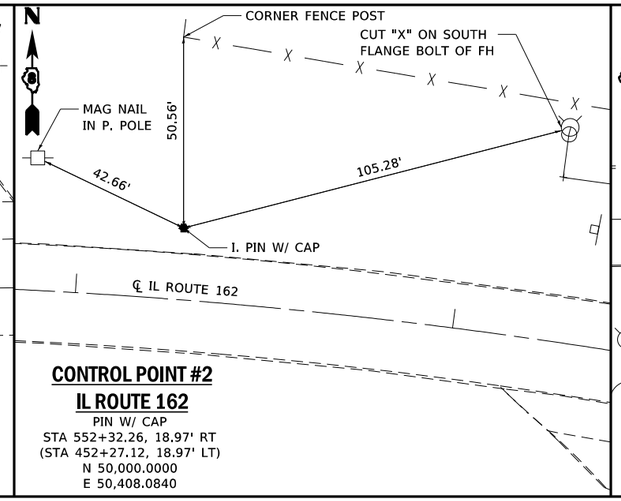
ALIGNMENT, TIE POINTS AND BENCHMARKS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 2 SHEETS

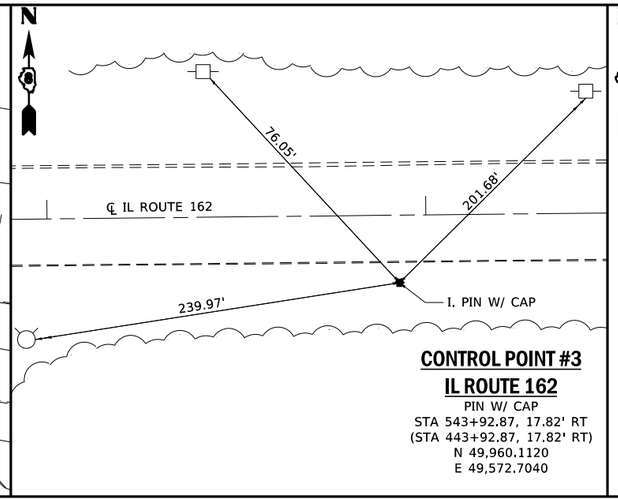
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	23
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



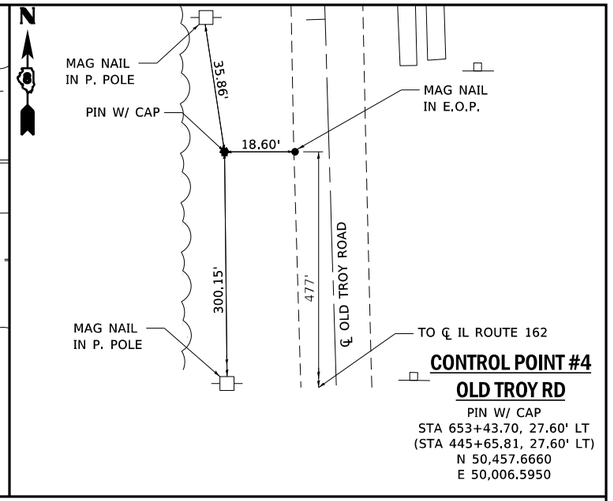
CONTROL POINT #1
IL ROUTE 162
PIN W/ CAP
STA 548+25.81, 11.5' RT
(STA 448+20.57, 17.50' LT)
N 50,000.0000
E 50,000.0000



CONTROL POINT #2
IL ROUTE 162
PIN W/ CAP
STA 552+32.26, 18.97' RT
(STA 452+27.12, 18.97' LT)
N 50,000.0000
E 50,408.0840



CONTROL POINT #3
IL ROUTE 162
PIN W/ CAP
STA 543+92.87, 17.82' RT
(STA 443+92.87, 17.82' RT)
N 49,960.1120
E 49,572.7040



CONTROL POINT #4
OLD TROY RD
PIN W/ CAP
STA 653+43.70, 27.60' LT
(STA 445+65.81, 27.60' LT)
N 50,457.6660
E 50,006.5950

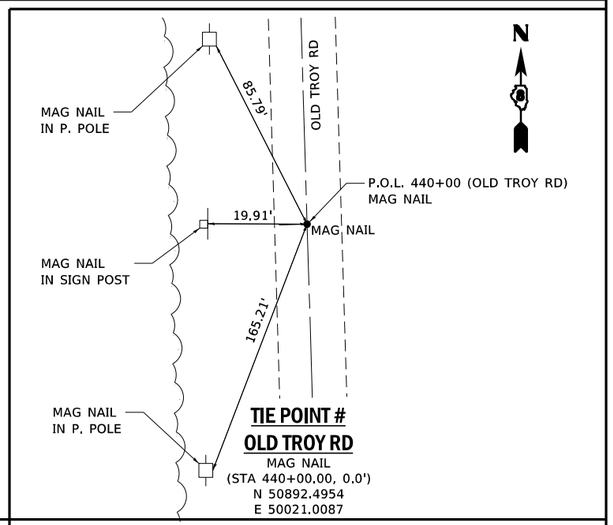
NOTE:

IDOT ESTABLISHED THE ORIGINAL TIE POINTS FOR THE EXISTING ALIGNMENTS OF ILLINOIS 162 AND OLD TROY ROAD (400+00 STATIONING SERIES), AND THE ADDITIONAL TRAVERSE STATIONS AND CONTROLS SHOWN HEREIN.

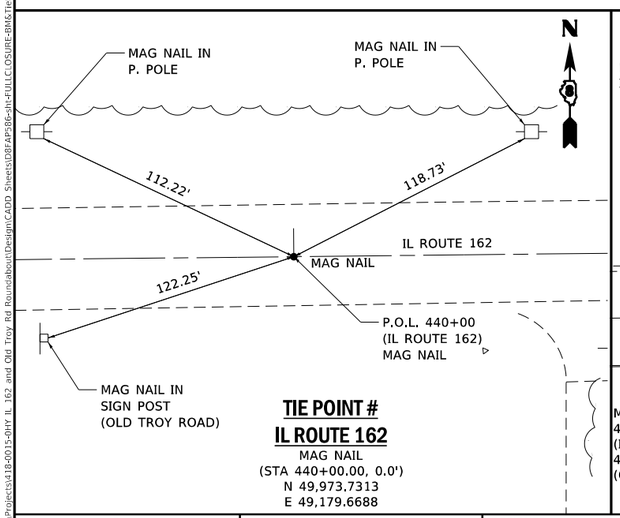
IDOT ESTABLISHED THE PROPOSED ALIGNMENTS. THERE ARE NO TIE POINTS ESTABLISHED TO THESE ALIGNMENT PC'S, PT'S, ETC.

PROPOSED ALIGNMENTS ARE IN CADD, FILES FOR WHICH WILL BE PROVIDED TO THE CONTRACTOR ALONG WITH PHYSICAL KEY ALIGNMENT POINTS.

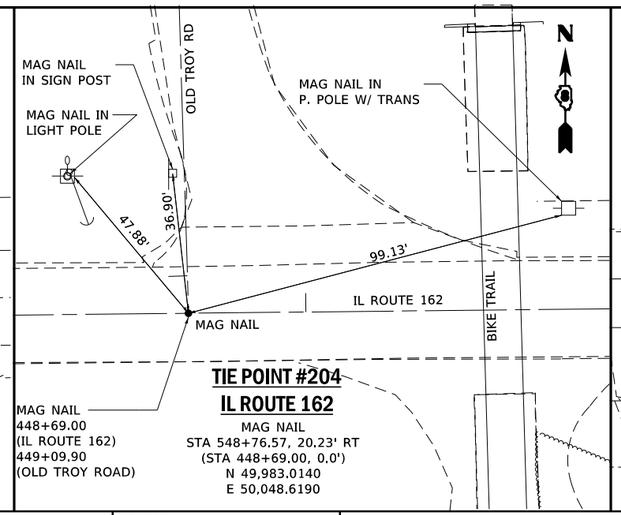
THE CONTRACTOR IS MADE AWARE THAT SOME TIE POINT MONUMENTS, SUCH AS POWER POLES, WILL HAVE BEEN ELIMINATED OR RELOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL BE PROVIDED WITH INFORMATION TO ESTABLISH BENCHES AND KEY ALIGNMENT POINTS SO THE CONTRACTOR CAN FURTHER ESTABLISH THEIR OWN CONTROLS SUBSEQUENTLY.



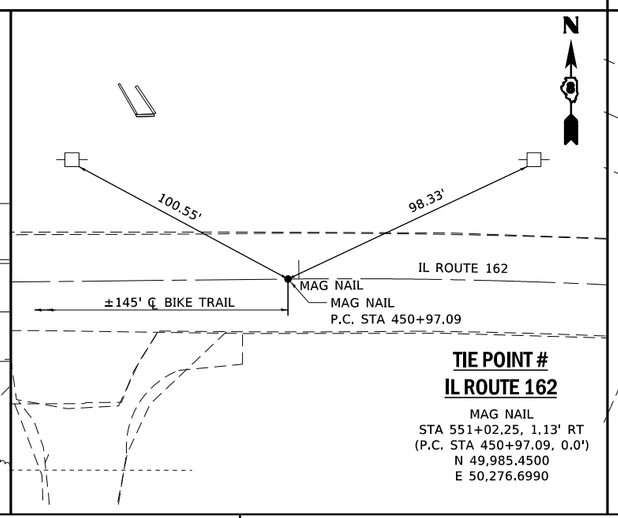
TIE POINT #
OLD TROY RD
MAG NAIL
(STA 440+00.00, 0.0')
N 50892.4954
E 50021.0087



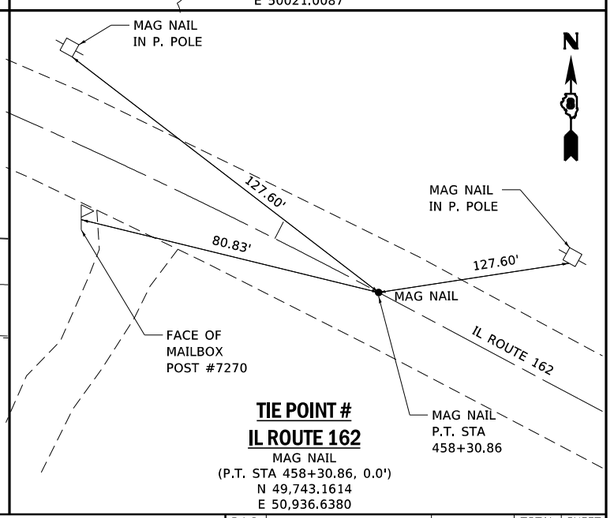
TIE POINT #
IL ROUTE 162
MAG NAIL
(STA 440+00.00, 0.0')
N 49,973.7313
E 49,179.6688



TIE POINT #204
IL ROUTE 162
MAG NAIL
STA 548+76.57, 20.23' RT
(STA 448+69.00, 0.0')
N 49,983.0140
E 50,048.6190



TIE POINT #
IL ROUTE 162
MAG NAIL
STA 551+02.25, 1.13' RT
(P.C. STA 450+97.09, 0.0')
N 49,985.4500
E 50,276.6990



TIE POINT #
IL ROUTE 162
MAG NAIL
(P.T. STA 458+30.86, 0.0')
N 49,743.1614
E 50,936.6380

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

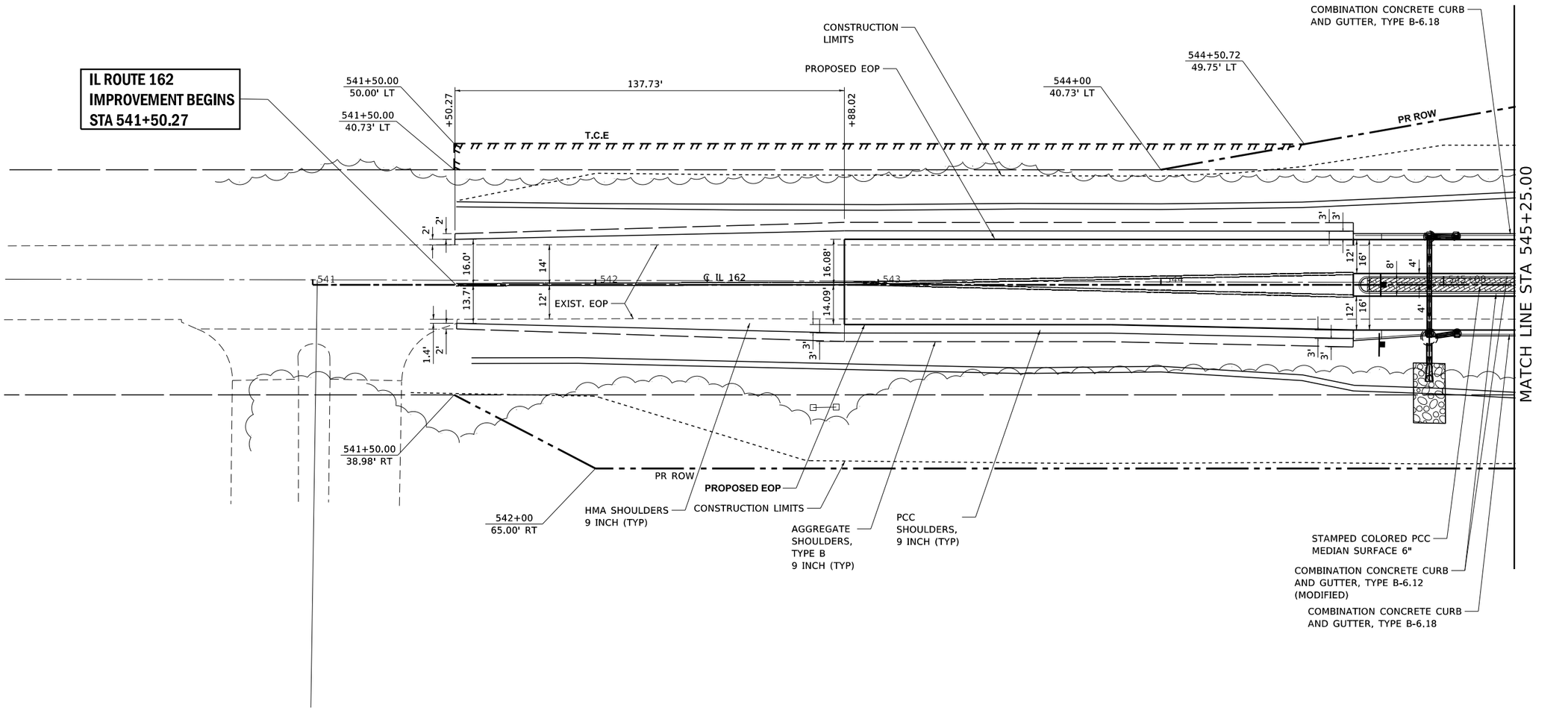
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIE POINTS AND BENCHMARKS
IL ROUTE 162 AND OLD TROY ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	24
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Tie 01
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MODEL: sheet 1
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LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL ROUTE 162 AND OLD TROY ROAD

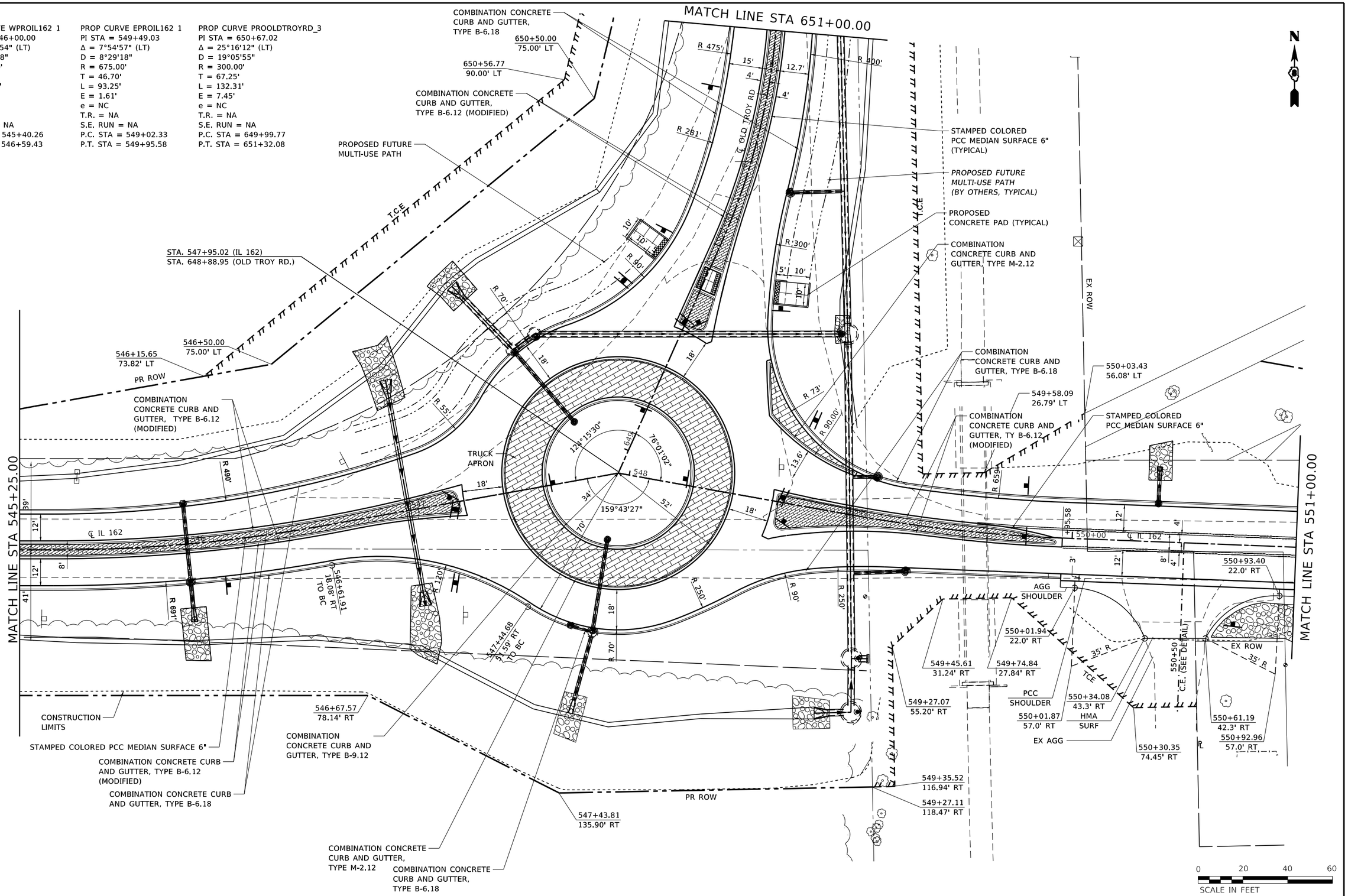
SCALE: | SHEET 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	25
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

PROP CURVE WPROIL162 1
PI STA = 546+00.00
Δ = 10°06'54" (LT)
D = 8°29'18"
R = 675.00'
T = 59.74'
L = 119.16'
E = 2.64'
e = NC
T.R. = NA
S.E. RUN = NA
P.C. STA = 545+40.26
P.T. STA = 546+59.43

PROP CURVE EPROIL162 1
PI STA = 549+49.03
Δ = 7°54'57" (LT)
D = 8°29'18"
R = 675.00'
T = 46.70'
L = 93.25'
E = 1.61'
e = NC
T.R. = NA
S.E. RUN = NA
P.C. STA = 549+02.33
P.T. STA = 549+95.58

PROP CURVE PROOLDTROYRD_3
PI STA = 650+67.02
Δ = 25°16'12" (LT)
D = 19°05'55"
R = 300.00'
T = 67.25'
L = 132.31'
E = 7.45'
e = NC
T.R. = NA
S.E. RUN = NA
P.C. STA = 649+99.77
P.T. STA = 651+32.08



MODEL: sheet 2
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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

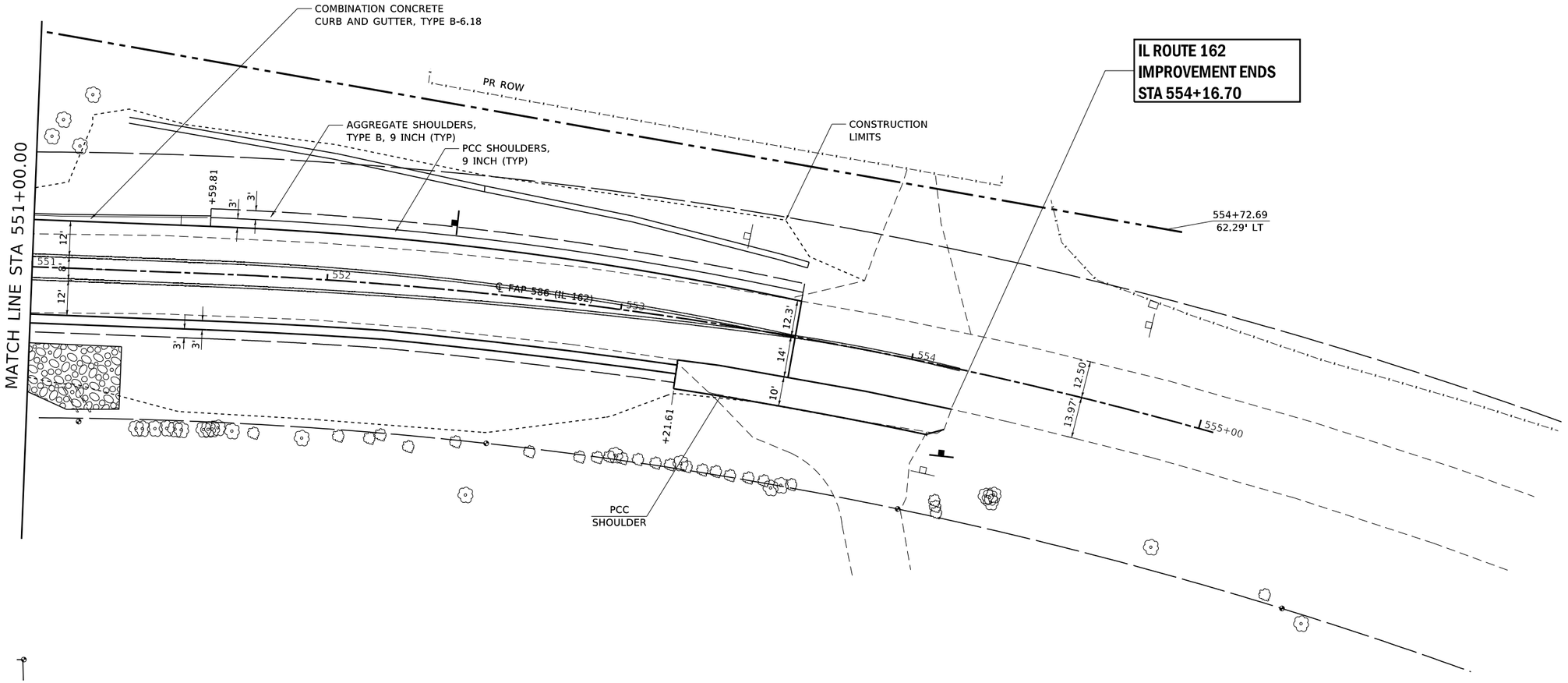
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	26
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

PROP CURVE EPROIL162 2
PI STA = 553+33.27
Δ = 13°27'55" (RT)
D = 3°53'57"
R = 1,469.41'
T = 173.46'
L = 345.33'
E = 10.20'
e = 5.27
T.R. = 64'
S.E. RUN = 166.4'
P.C. STA = 551+59.81
P.T. STA = 555+05.14



MODEL: Sheet 3
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-3H-FULLCLOSURE-Plan.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

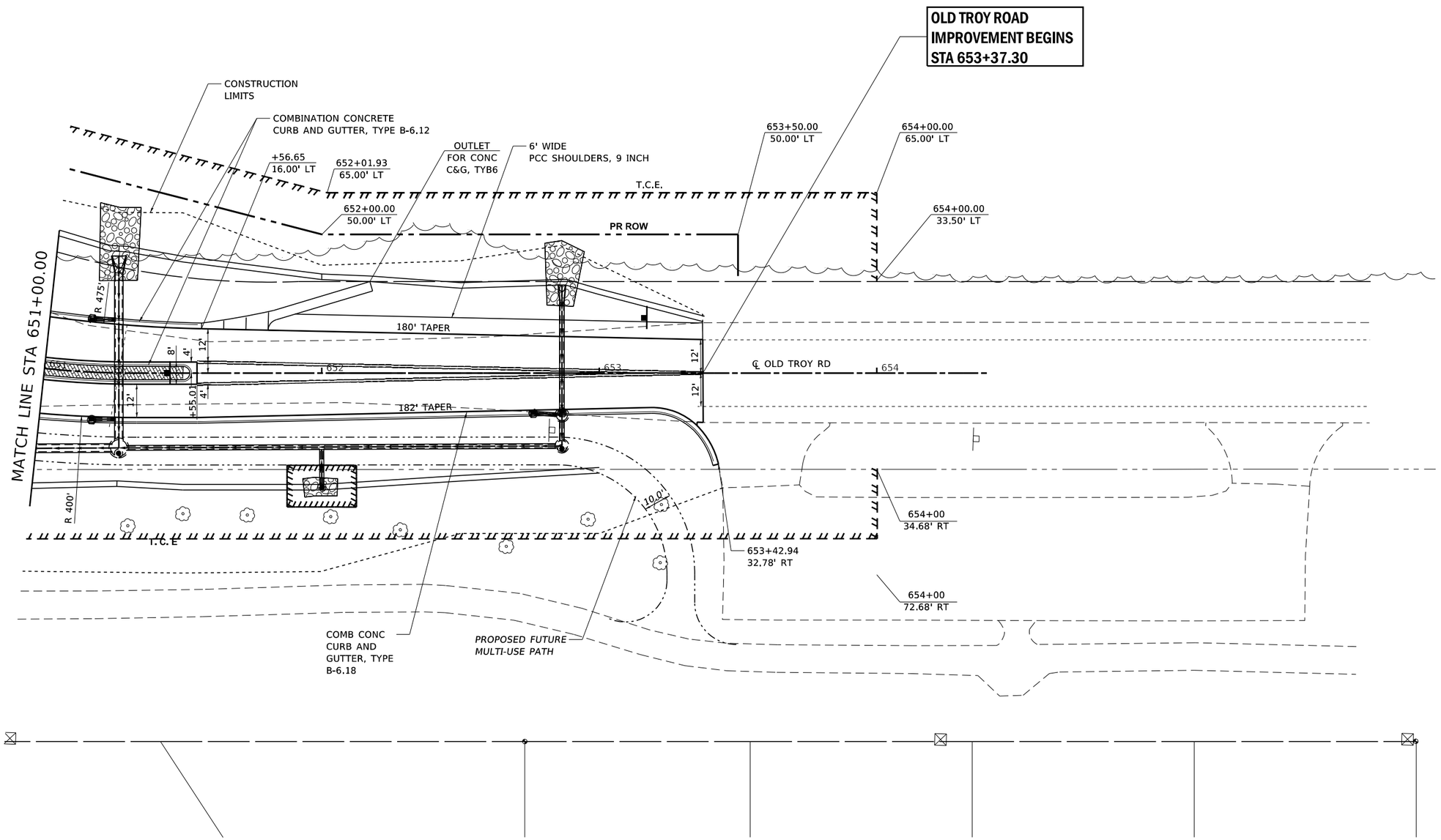
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	27
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



0 20 40 60

SCALE IN FEET

MODEL: sheet 4
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LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667.1400

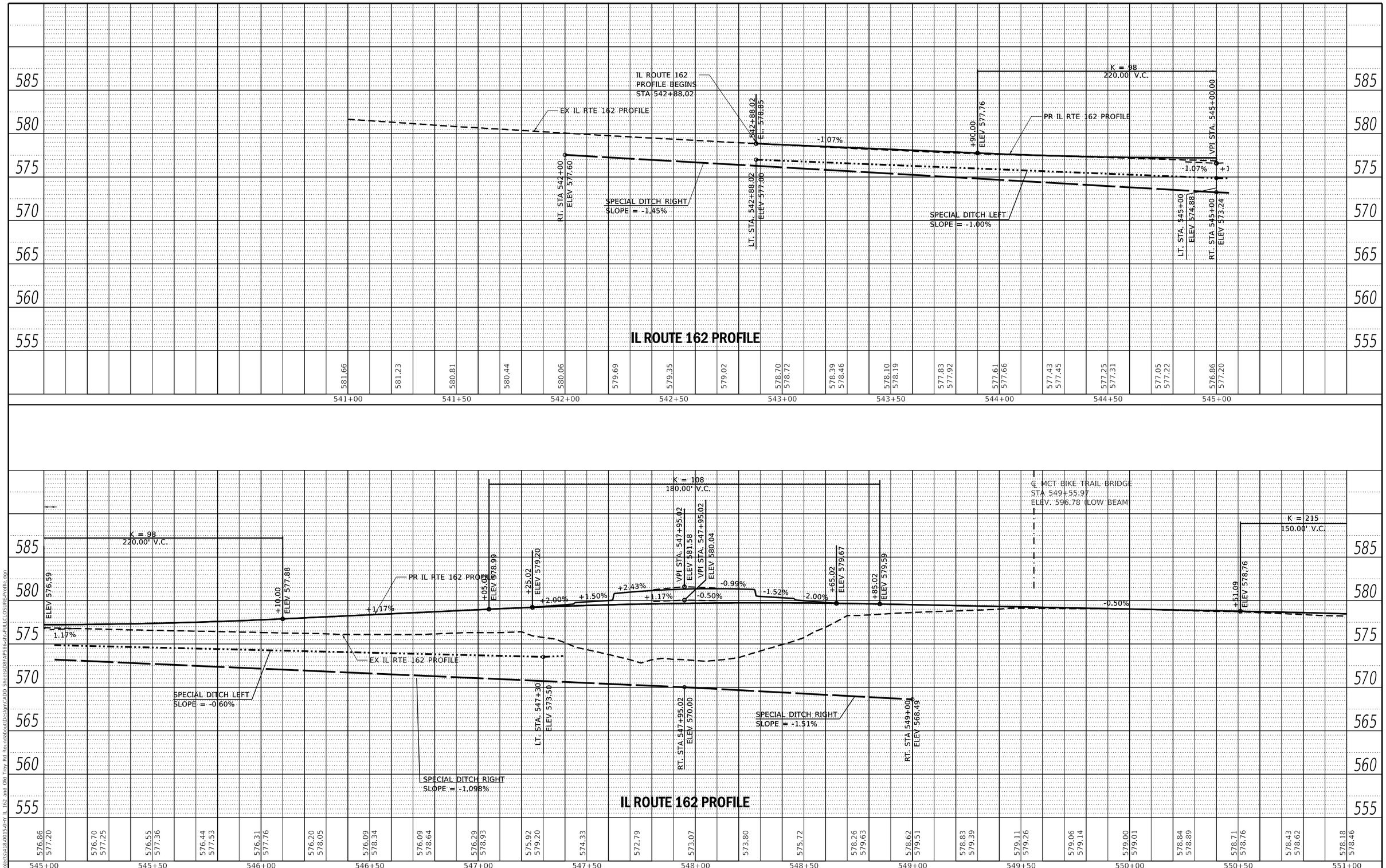
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	28
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
S.M. NOTED
STRUCTURE NO(TA)NS CHKD
NOTE BOOK
NO.
BY
DATE

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE VIEW
IL ROUTE 162

SCALE: | SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

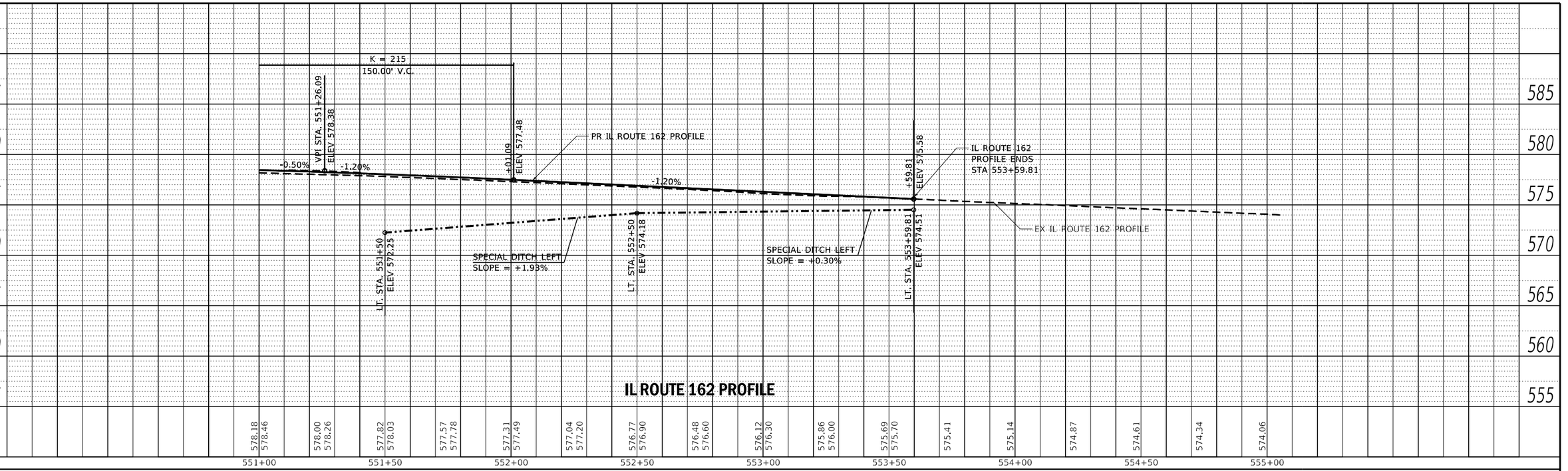
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SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

BY

DATE



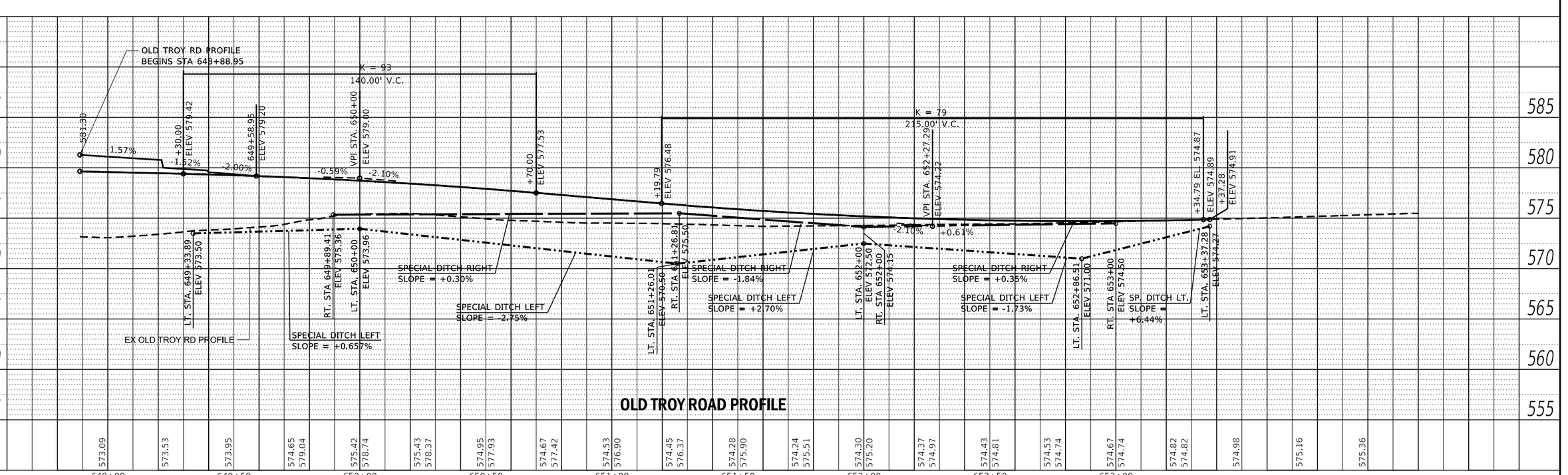
PROFILE

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY NOTED
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.

BY

DATE



MODEL: sheet 2
FILE NAME: S:\Projects\418-0015-00HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-sht-FULLCLOSURE-Profile.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

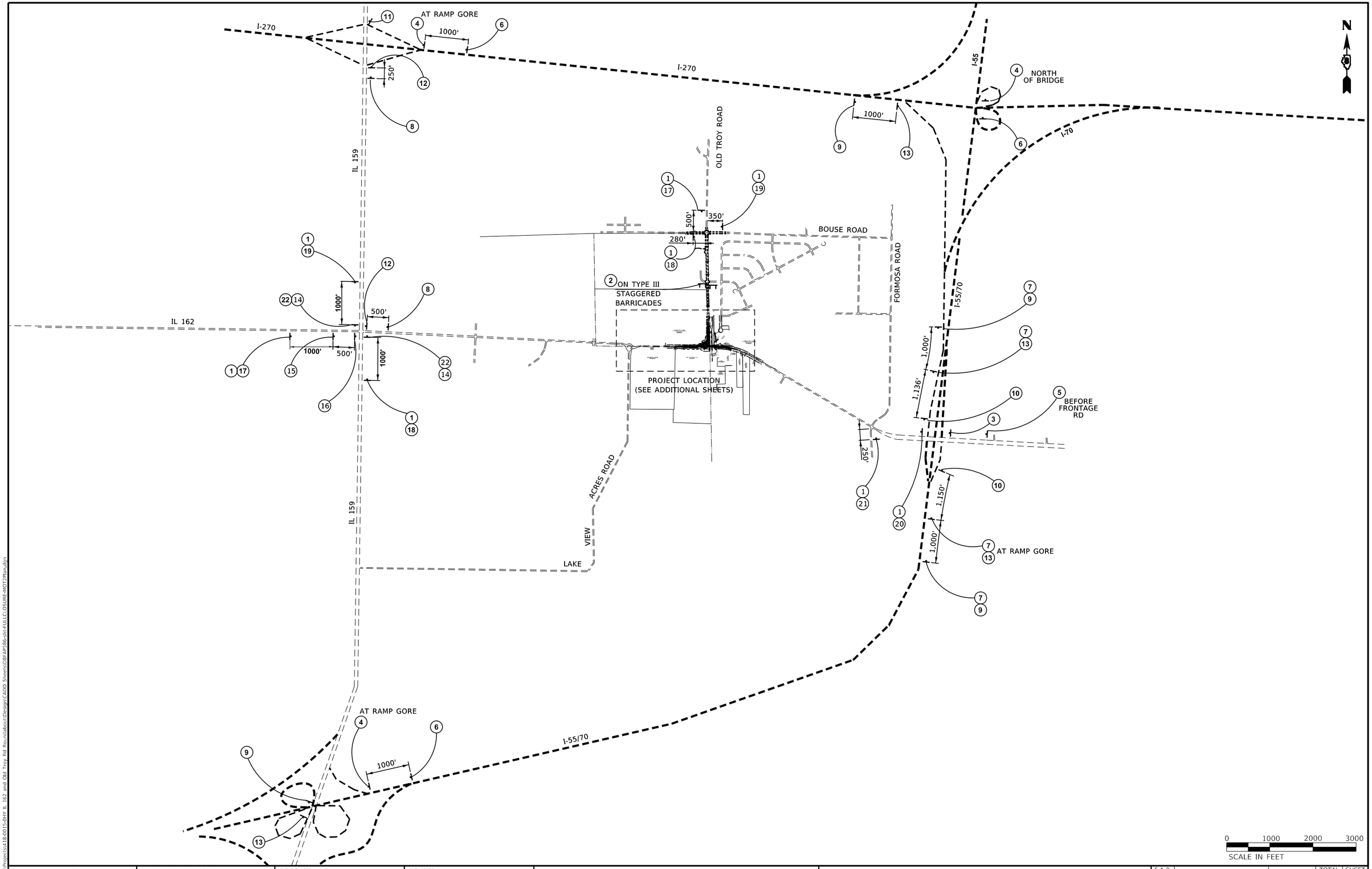
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROFILE VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	30
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



MODEL: 08 FullClosure Advance
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-ITH-FULLCLOSURE-MOT2Plan.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2000.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 162 AND OLD TROY ROAD
MAINTENANCE OF TRAFFIC - ADVANCE SIGNING

SCALE: | SHEET 1 OF 3 SHEETS

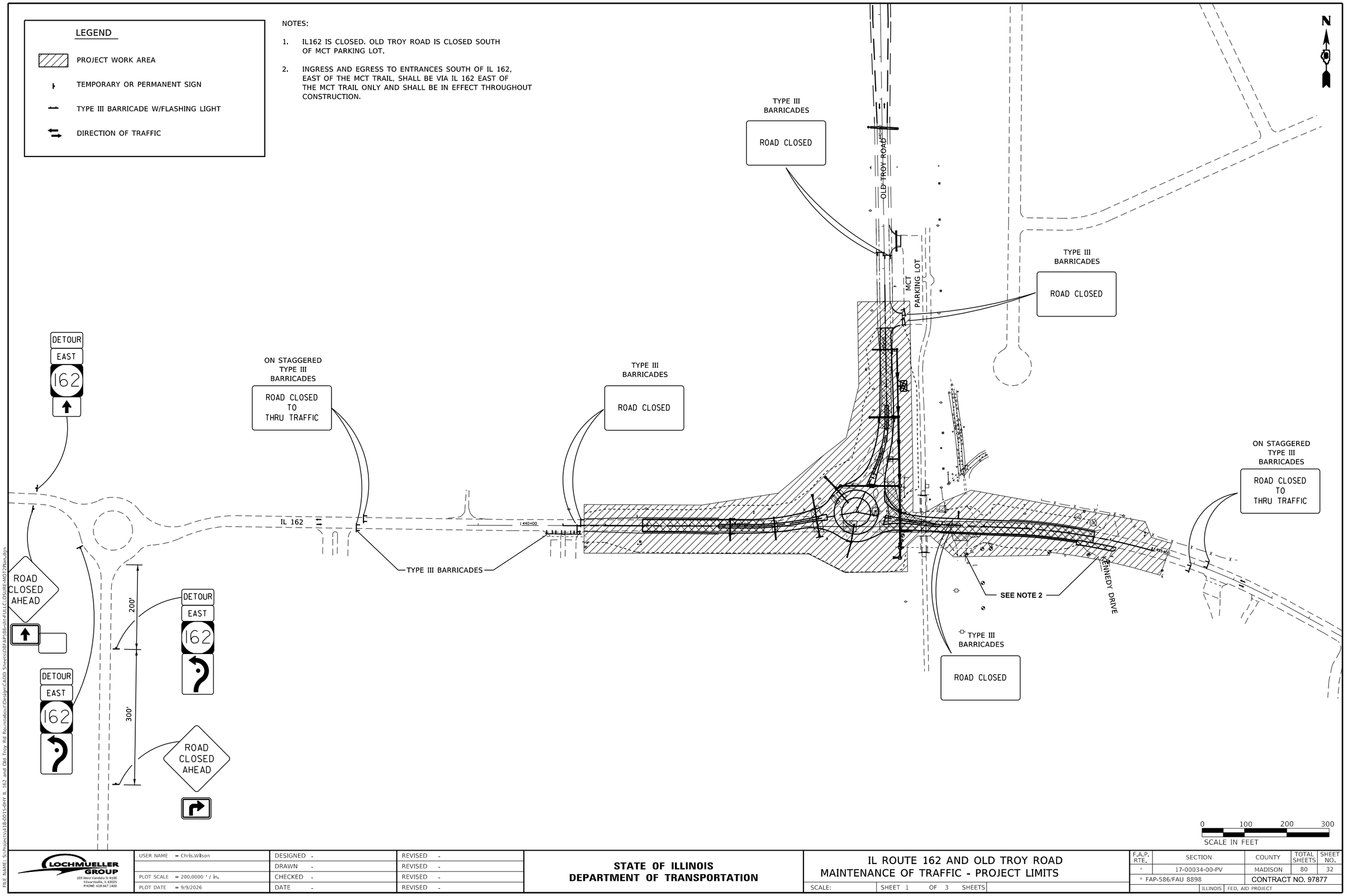
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	31
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

- PROJECT WORK AREA
- TEMPORARY OR PERMANENT SIGN
- TYPE III BARRICADE W/FLASHING LIGHT
- DIRECTION OF TRAFFIC

NOTES:

1. IL162 IS CLOSED. OLD TROY ROAD IS CLOSED SOUTH OF MCT PARKING LOT.
2. INGRESS AND EGRESS TO ENTRANCES SOUTH OF IL 162, EAST OF THE MCT TRAIL, SHALL BE VIA IL 162 EAST OF THE MCT TRAIL ONLY AND SHALL BE IN EFFECT THROUGHOUT CONSTRUCTION.



MODEL: 09 FullClosure
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-1H-FULLCLOSURE-MOT2Plan.dgn

LOCHMUELLER GROUP
105 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 162 AND OLD TROY ROAD
MAINTENANCE OF TRAFFIC - PROJECT LIMITS

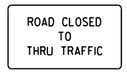
SCALE: | SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	32
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



W20-3(O)-48

(1)



R11-4

(2)



M4-9-2412
M3-1-2412
M1-5
M6-1R-2115

(3)



M4-9-2412
M3-1-2412
M1-5
M6-2R-2115

(4)



M4-9-2412
M3-1-2412
M1-5
M5-1R-2115

(5)



M4-9-2412
M3-1-2412
M1-5
M5-2R-2115

(6)



M4-9-2412
M3-1-2412
M1-5
M6-3-2115

(7)



M4-9-2412
M3-3-2412
M1-5
M5-1R-2115

(8)



M4-9-2412
M3-3-2412
M1-5
M5-2R-2115

(9)



M4-8A-2418
M3-3-2412
M1-5

(10)



M4-9-2412
M3-1-2412
M1-5
M6-1L-2115

(11)



M4-9-2412
M3-3-2412
M1-5
M6-1R-2115

(12)



M4-9-2412
M3-3-2412
M1-5
M6-2R-2115

(13)



M4-9-2412
M3-3-2412
M1-5
M6-3-2115

(14)



M4-9-2412
M3-3-2412
M1-5
M5-1L-2115

(15)



M4-9-2412
M3-3-2412
M1-5
M6-1L-2115

(16)



M3-3-2412

(17)



M3-3-2412

(18)



M3-3-2412

(19)



M1-5
M3-1-2412
M6-3-2115

(20)



M1-5

M3-1-2412
M5-1L-2115

(21)



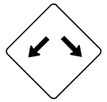
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M1-5

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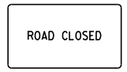
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M1-5
XX-XX-XXXX

(23)



W12-1

(24)



R11-2

(25)

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 162 AND OLD TROY ROAD
LEGEND

SCALE: | SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	33
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

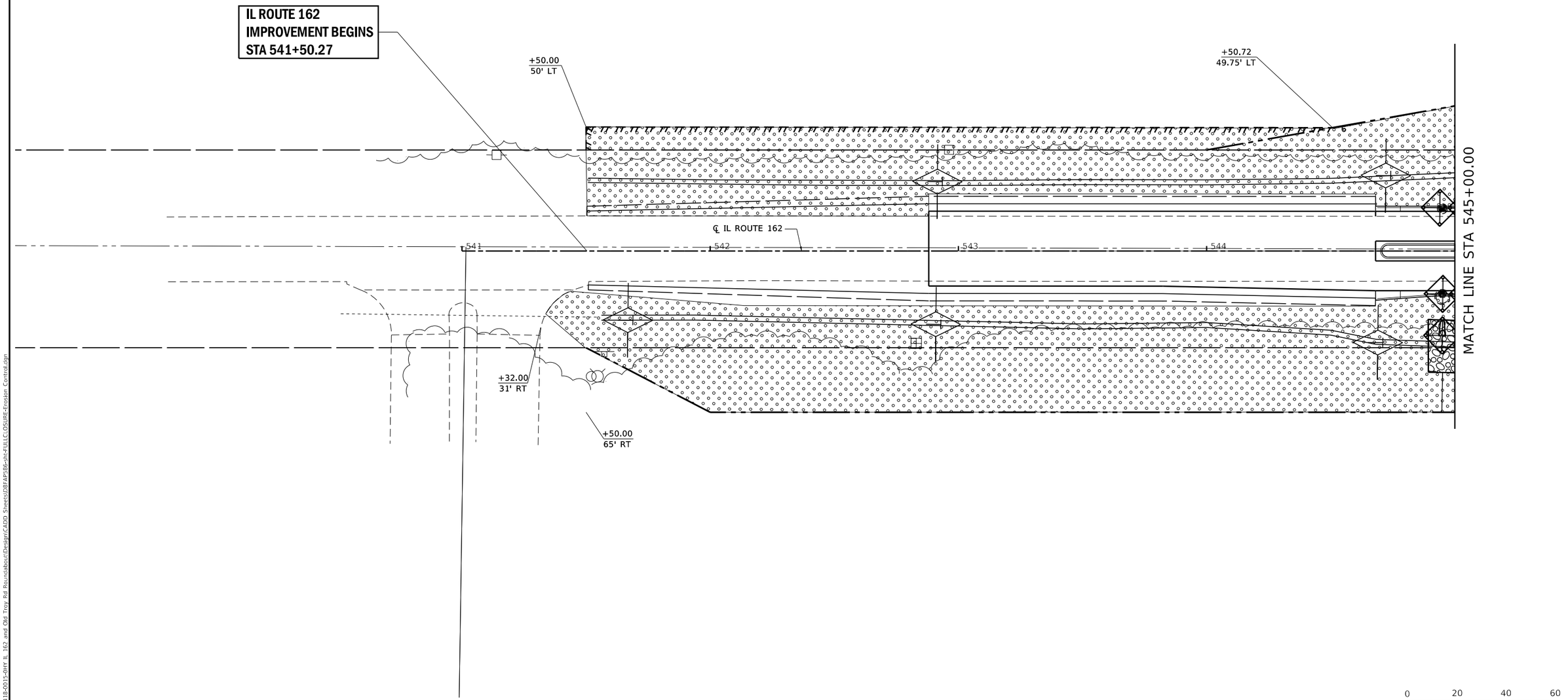
TEMPORARY EROSION CONTROLS

- TREE TRUNK PROTECTION
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

PERMANENT EROSION CONTROLS

- CLEARING AND GRUBBING
- SEEDING, CLASS 1A
- STONE DUMPED RIPRAP, CLASS A3 OVER BEDDING (AGGREGATE BASE COURSE, TYPE A MATERIAL IN A 6" LIFT - INCLUDED W/RIPRAP UNIT PRICE) OVER FILTER FABRIC

N



0 20 40 60

SCALE IN FEET

MODEL: sheet 1
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LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

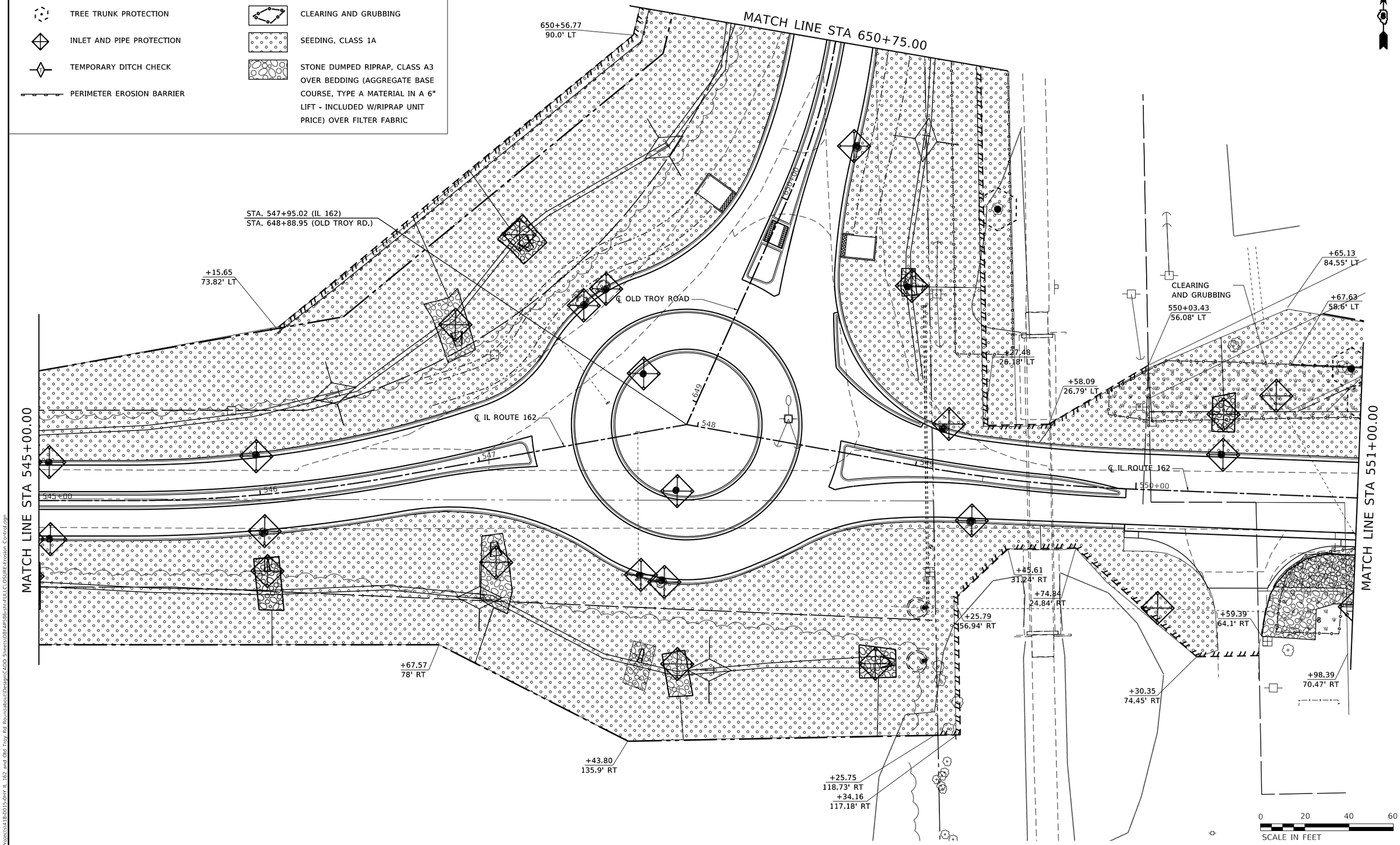
LEGEND

TEMPORARY EROSION CONTROLS

- TREE TRUNK PROTECTION
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

PERMANENT EROSION CONTROLS

- CLEARING AND GRUBBING
- SEEDING, CLASS 1A
- STONE DUMPED RIPRAP, CLASS A3 OVER BEDDING (AGGREGATE BASE COURSE, TYPE A MATERIAL IN A 6" LIFT - INCLUDED W/RIPRAP UNIT PRICE) OVER FILTER FABRIC



MODEL: sheet 2
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IHI-FULL\C_OSURE-Erosion Control.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667 1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	35
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

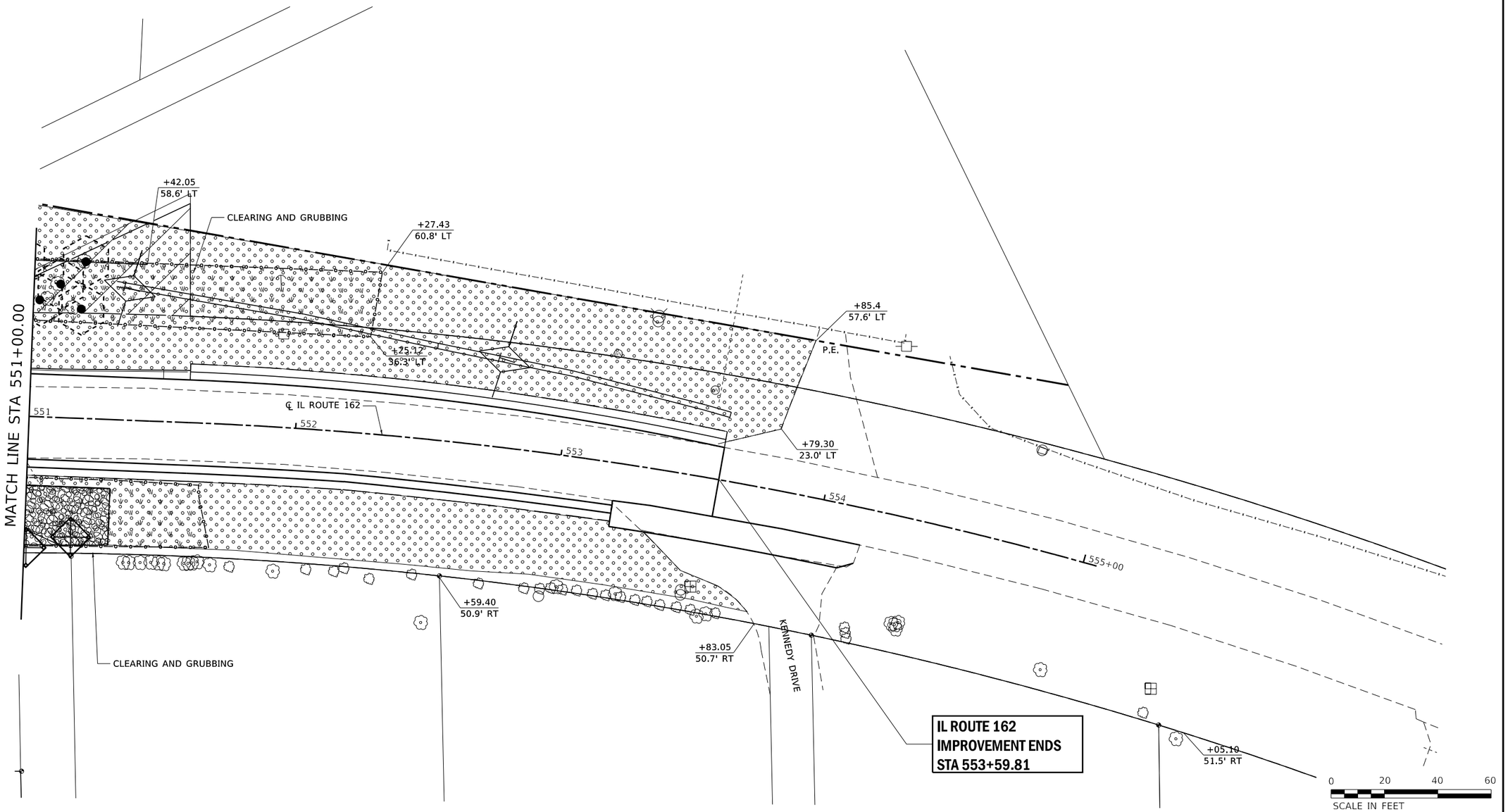
TEMPORARY EROSION CONTROLS

- TREE TRUNK PROTECTION
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

PERMANENT EROSION CONTROLS

- CLEARING AND GRUBBING
- SEEDING, CLASS 1A
- STONE DUMPED RIPRAP, CLASS A3 OVER BEDDING (AGGREGATE BASE COURSE, TYPE A MATERIAL IN A 6" LIFT - INCLUDED W/RIPRAP UNIT PRICE) OVER FILTER FABRIC

N



MODEL: sheet 3
FILE NAME: S:\Projects\4118-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IHFULLCLOSURE-Erosion Control.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667-1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	36
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

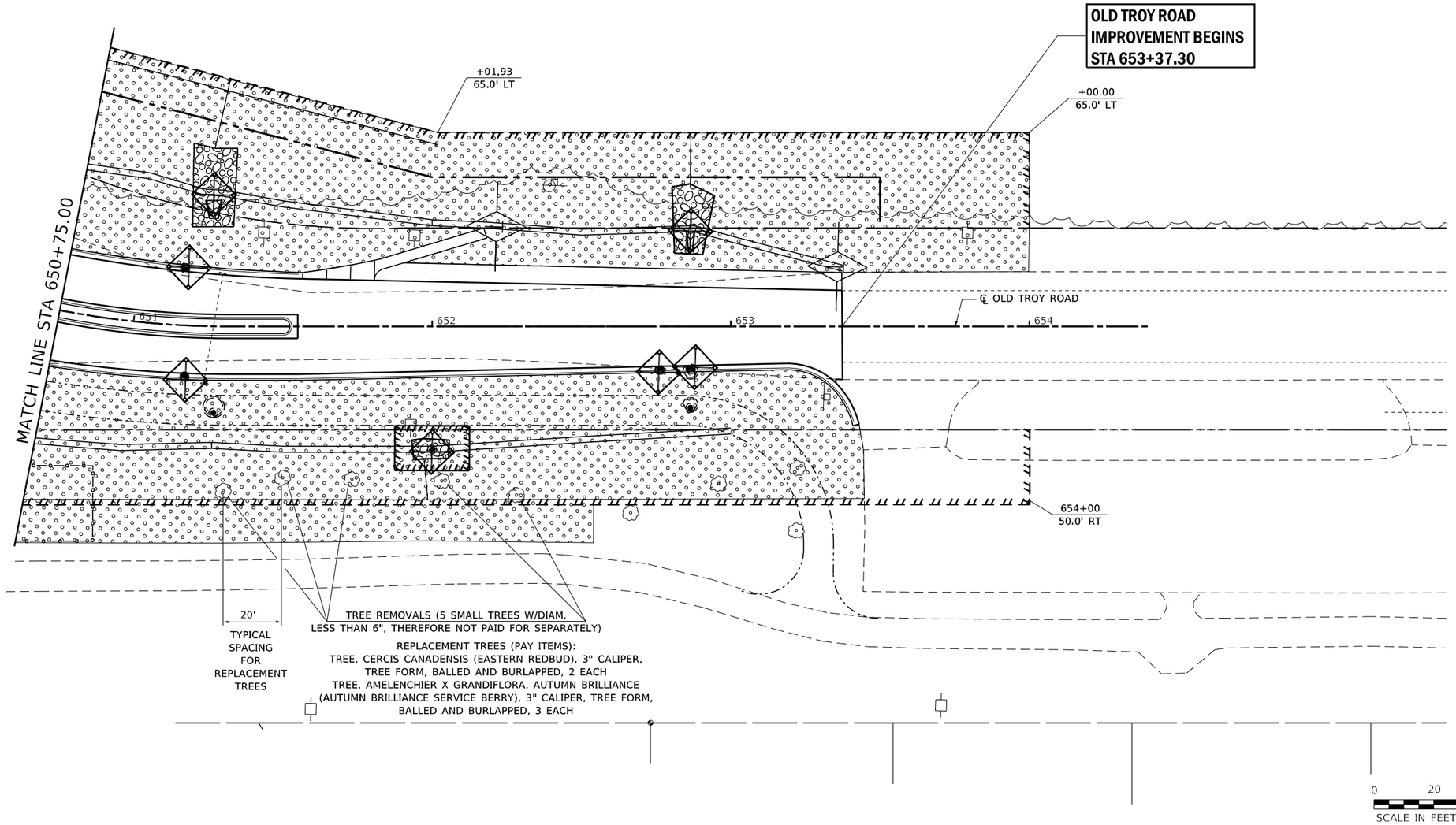
LEGEND

TEMPORARY EROSION CONTROLS

- TREE TRUNK PROTECTION
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

PERMANENT EROSION CONTROLS

- CLEARING AND GRUBBING
- SEEDING, CLASS 1A
- STONE DUMPED RIPRAP, CLASS A3 OVER BEDDING (AGGREGATE BASE COURSE, TYPE A MATERIAL IN A 6" LIFT - INCLUDED W/RIPRAP UNIT PRICE) OVER FILTER FABRIC



MODEL: sheet 4
FILE NAME: S:\Projects\418-0015-SHY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-SH-FULLCLOSURE-Erosion Control.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

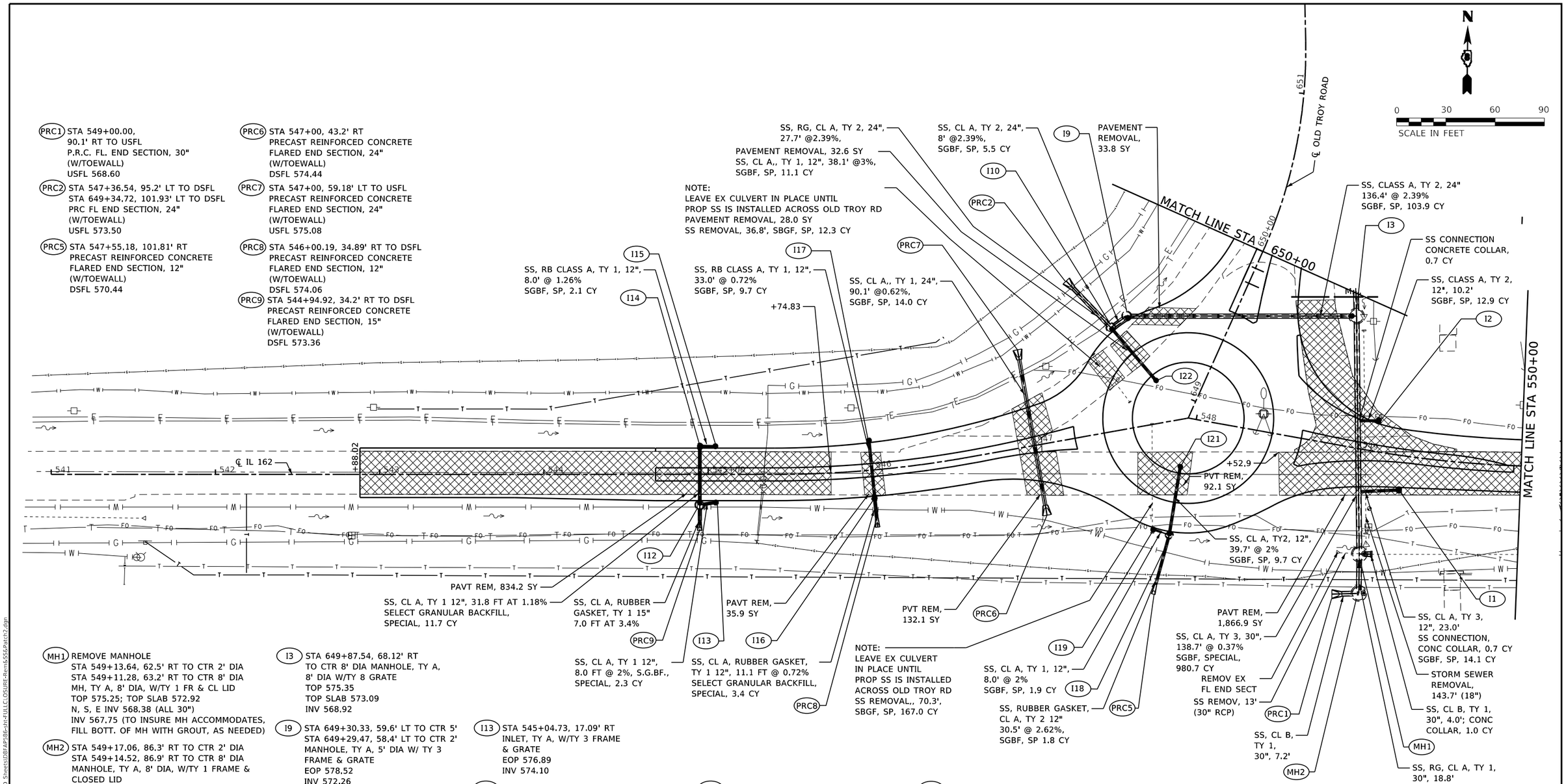
USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
IL ROUTE 162 AND OLD TROY ROAD

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STATION 650+75.00 TO STA 653+95.95

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	37
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



MH1 REMOVE MANHOLE
STA 549+13.64, 62.5' RT TO CTR 2' DIA
STA 549+11.28, 63.2' RT TO CTR 8' DIA
MH, TY A, 8' DIA, W/TY 1 FR & CL LID
TOP 575.25; TOP SLAB 572.92
N, S, E INV 568.38 (ALL 30")
INV 567.75 (TO INSURE MH ACCOMMODATES, FILL BOTT. OF MH WITH GROUT, AS NEEDED)

MH2 STA 549+17.06, 86.3' RT TO CTR 2' DIA
STA 549+14.52, 86.9' RT TO CTR 8' DIA
MANHOLE, TY A, 8' DIA, W/TY 1 FRAME & CLOSED LID
TOP 575.17
TOP SLAB 572.84
INV 568.51

I1 STA 549+28.24, 20.3' RT TO CTR 2' DIA
STA 549+28.29, 20.8' RT TO CTR 3' DIA
INLET, TY B, W/TY 3 FRAME & GRATE
EOP 578.98
INV 569.73

I2 STA 549+09.59, 18.8' LT TO 3' DIA
STA 549+09.40, 18.5' LT TO 2' DIA
INLET, TY B W/TY 3V FRAME & GRATE
EOP 579.12
INV 569.51

I3 STA 649+87.54, 68.12' RT
TO CTR 8' DIA MANHOLE, TY A,
8' DIA W/TY 8 GRATE
TOP 575.35
TOP SLAB 573.09
INV 568.92

I9 STA 649+30.33, 59.6' LT TO CTR 5'
STA 649+29.47, 58.4' LT TO CTR 2'
MANHOLE, TY A, 5' DIA W/ TY 3 FRAME & GRATE
EOP 578.52
INV 572.26

I10 STA 649+19.91, 65.5' LT TO CTR 5'
STA 649+19.34, 64.4' LT TO CTR 2'
MANHOLE, TY A, 5' DIA W/ TY 3 FRAME & GRATE
EOP 578.44
SE INV 575.23
INV 572.57

I12 STA 544+94.85, 18.54' RT TO 5' DIA
17.1' RT TO 2' DIA; MH TYA, 5' DIA
W/TY 3 FRAME & GRATE
EOP 576.88; TOP SLAB 576.11
INV 573.90

I13 STA 545+04.73, 17.09' RT
INLET, TY A, W/TY 3 FRAME & GRATE
EOP 576.89
INV 574.10

I14 STA 544+94.93, 17.2' LT TO 2' DIA/3' DIA
INLET, TY B
W/TY 3 FRAME & GRATE
EOP 576.88
TOP SLAB 575.98
INV 574.30

I15 STA 545+04.41, 17.09' LT
INLET, TY A W/TY 3 FRAME & GRATE
EOP 576.89
INV 574.42

I16 STA 546+00, 17.03' RT
TO CTR OF 3' DIA INLET, TY B
W/TY 3V FRAME & GRATE
EOP 577.44
TOP SLAB 576.09
INV 574.19

I17 STA 545+99.59, 18.1' LT
INLET, TY A W/TY 3V FRAME & GRATE
EOP 577.42
INV 574.45

I18 STA 547+71.51, 67.1' RT TO CTR 2' DIA
STA 547+71.16, 68.0' RT TO CTR 4' DIA
MANHOLE, TY A, 4' DIA, W/TY 3 F & G
EOP 578.50
TOP SLAB 574.90
N INV 575.25
W INV 575.25
INV 571.00

I19 STA 547+62.22, 62.94' RT INLET,
TYPE A W/TY 3 FRAME AND GRATE
EOP 578.39
INV 575.45

I21 STA 547+85.04,
28.35' RT
INLET, TY A
W/TY 8 GRATE
TOP 580.00
INV 576.50

I22 STA 649+01.87, 27.25' LT
INLET, TY A, TY 8 GRATE
TOP 580.00
INV 576.50

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

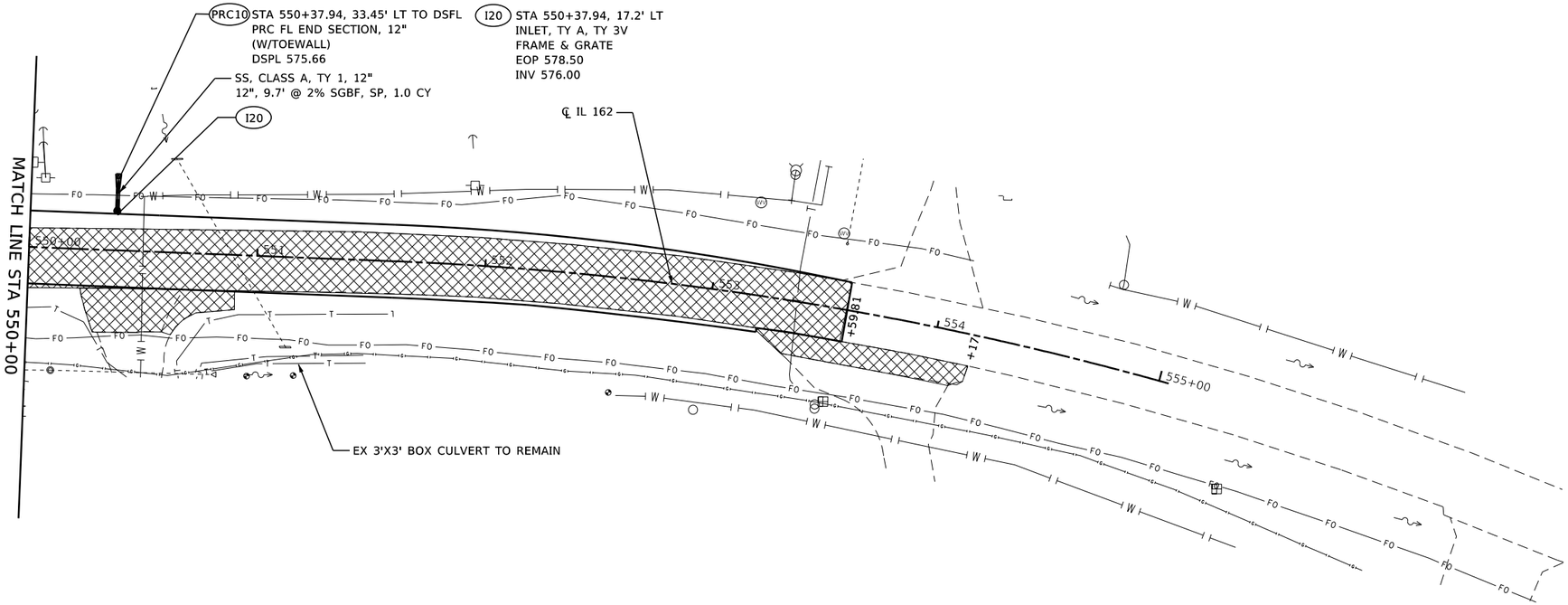
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND STORM SEWER WORK
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	38
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: 01 Sheet
FILE NAME: S:\Projects\418-0015-01HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBPAPSRelnt+FULLCLOSURE-RemSS&Patch2.dgn



MODEL: 02 Sheet
FILE NAME: S:\Projects\418-00015-04\Y IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IH-FULLCLOSURE-RemSSS&Patch2.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667-1400

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PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND STORM SEWER WORK
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	39
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

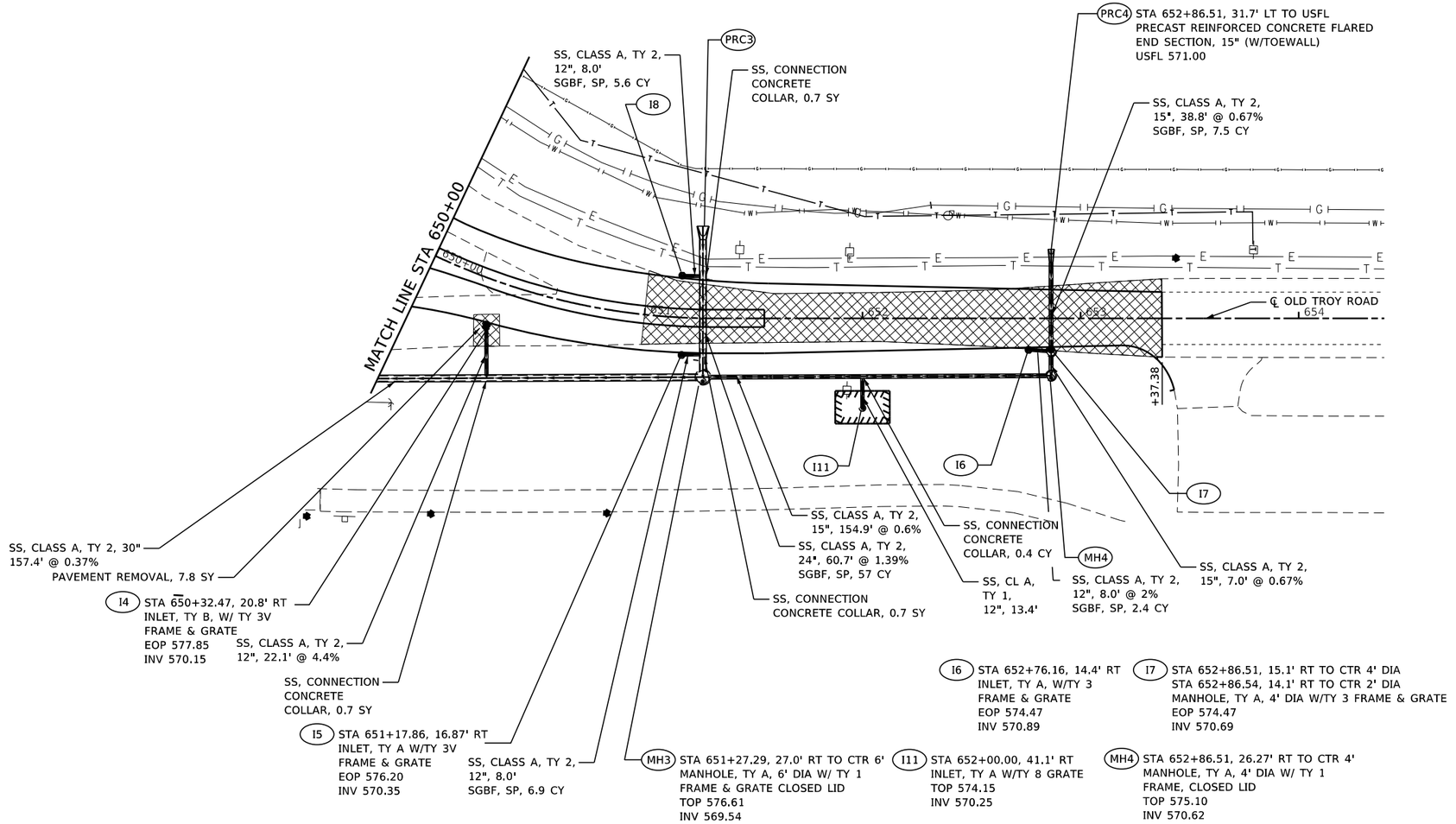
N

0 30 60 90

SCALE IN FEET

I8 STA 651+16.31, 19.3' LT
INLET, TY A, W/TY 3V
FRAME & GRATE
EOP 576.19
INV 570.89

PRC3 STA 651+26.01, 42.2' LT TO USFL
PRECAST REINFORCED CONCRETE
FLARED END SECTION, 24"
(W/TOEWALL)
USFL 570.50



MODEL: 03 Sheet
FILE NAME: S:\Projects\418-6015-0hrv IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-sht-FULLCLOSURE-Rem&SS6Patch2.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

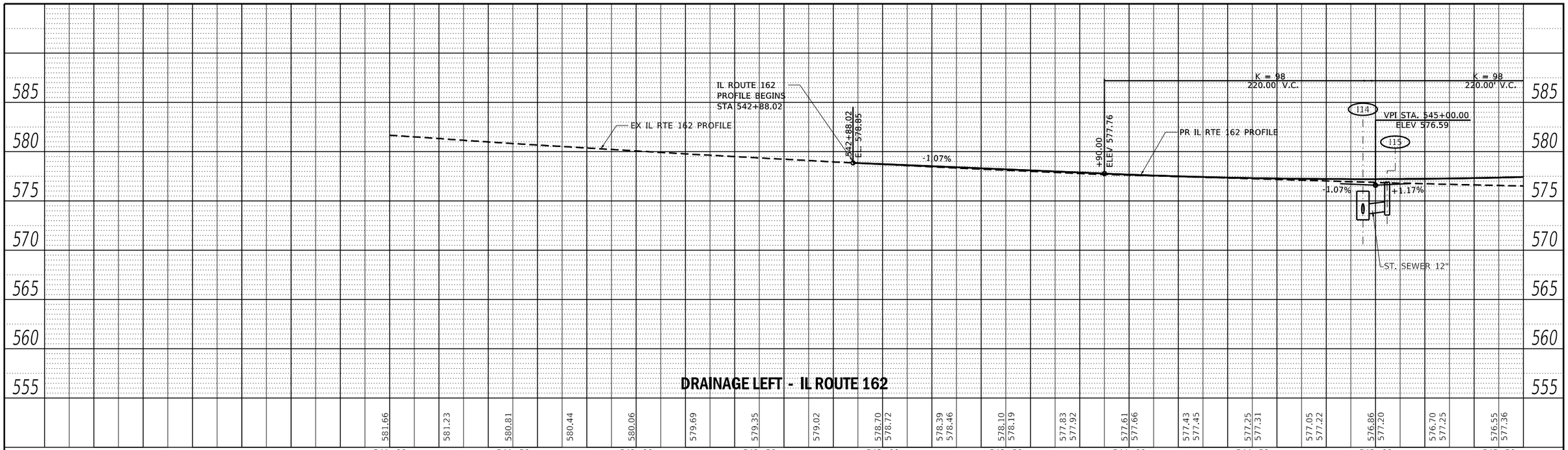
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	DRAWN -	REVISED -	
PLOT SCALE = 60.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND STORM SEWER WORK
IL ROUTE 162 AND OLD TROY ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	40
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			





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

PROFILE
SURVEYED
PLOTTED
ASSIGNMENT CHECKED
S.M. NOTED
STRUCTURE NO(S).
NOTE BOOK
NO.
BY
DATE

MODEL: sheet 1
FILE NAME: S:\Projects\418-0015-01\HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-sht-FULLCLOSURE-Drainage Profiles.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

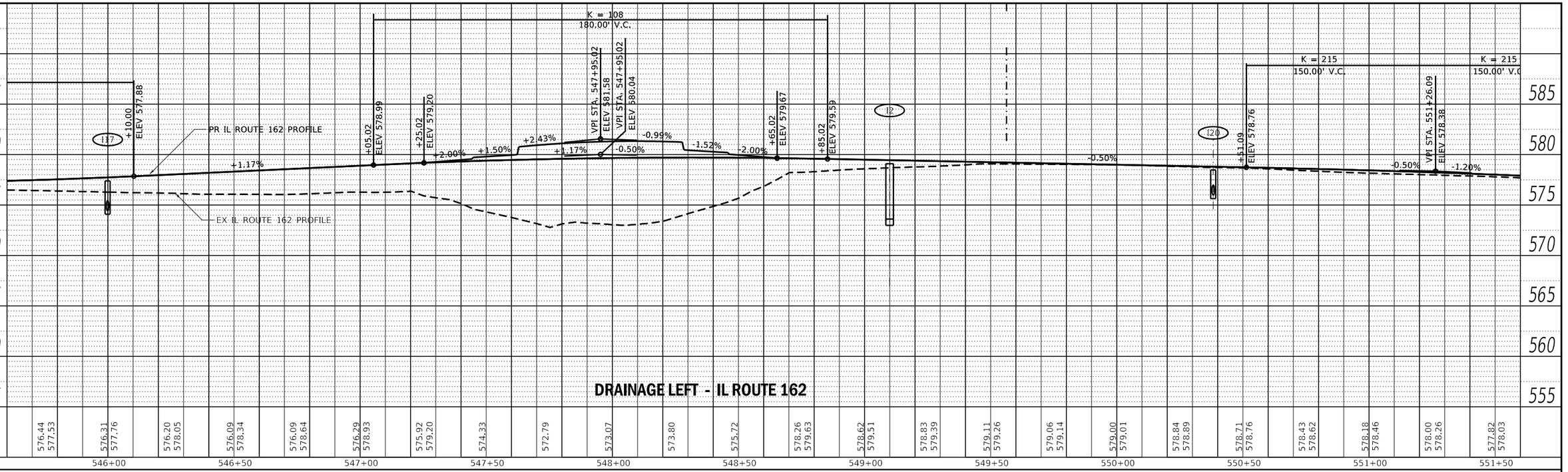
USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

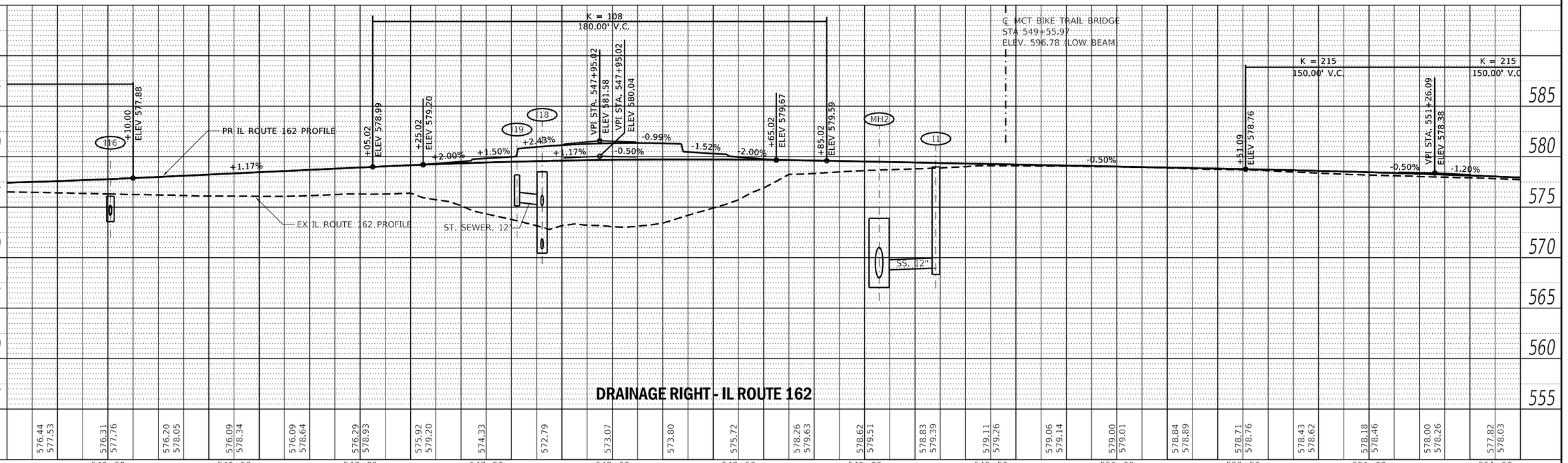
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILE VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	41
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			





PLAN
SURVEYED
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ASSIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
ASSIGNMENT CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: sheet 2
FILE NAME: S:\Projects\418-0015-00\HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-sht-FULLCLOSURE-Drainage Profiles.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

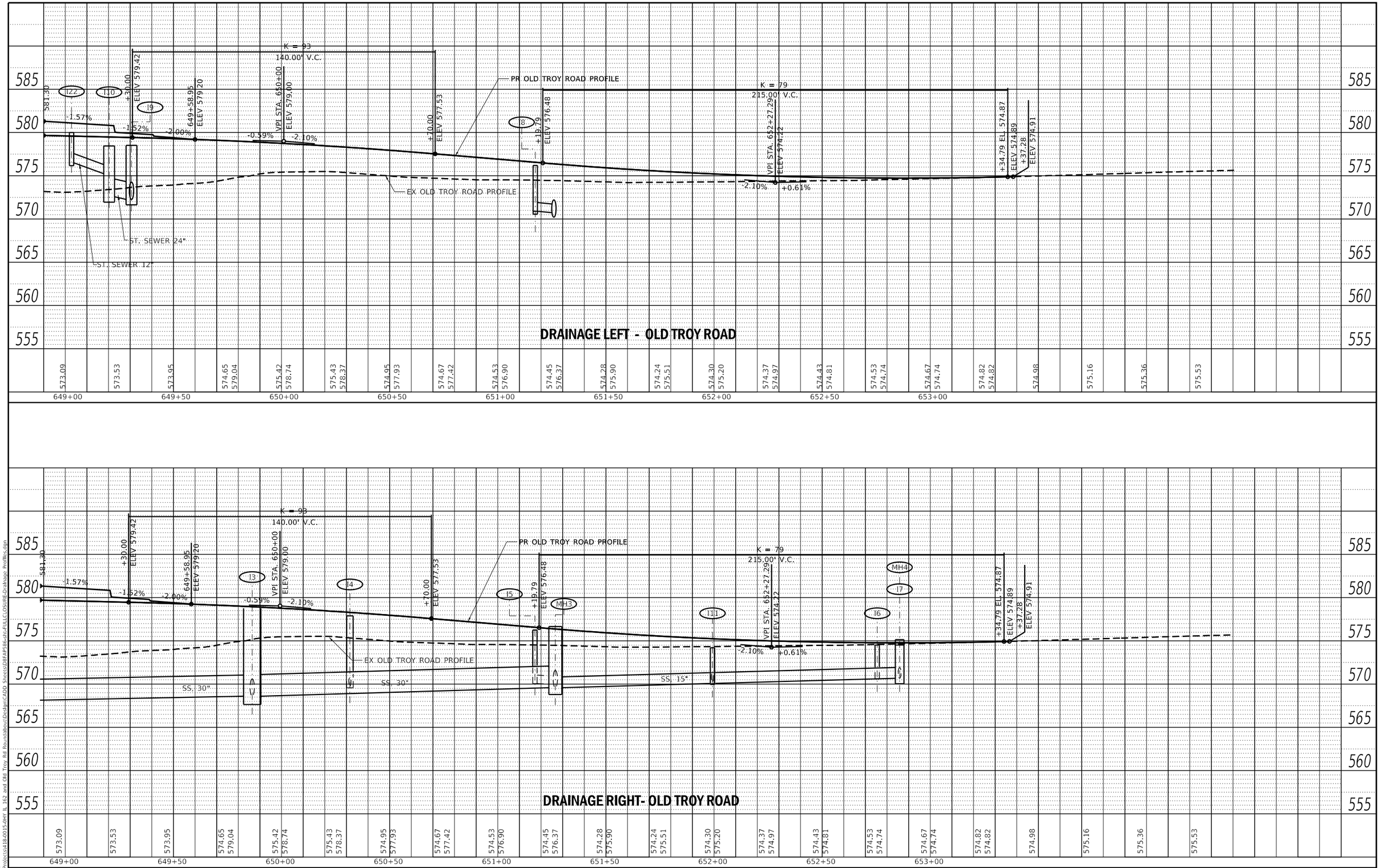
USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILE VIEW
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	42
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



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

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

MODEL: sheet 3
FILE NAME: S:\Projects\418-0015-01HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D8FAP586-sht-FULLCLOSURE-Drainage Profiles.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM SEWER PROFILE VIEW
IL ROUTE 162 AND OLD TROY ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	43
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

OLD TROY ROAD IMPROVEMENT BEGINS STA 653+37.30

IL ROUTE 162 IMPROVEMENT BEGINS STA 542+88.02

IL ROUTE 162 IMPROVEMENT ENDS STA 553+59.81

N

POT Sta 654+39.81
654+00.00 33.0' LT
654+00.00 65.00' LT
653+50.00 50.00' LT
654+00.00 34.68' RT
654+00.00 72.68' RT
℄ PROPOSED OLD TROY ROAD
CP #4
STA 653+43.71, 27.59' LT
(OLD STA 443+92.87, 27.60' RT)
N 50,457.6660
E 50,006.5950
652+00.00 50.00' LT
652+01.93 65.00' LT
TEMPORARY EASEMENT
PR ROW
445+00
EX ROW
MADISON COUNTY MASS TRANSIT DISTRICT
PT Sta 651+32.08
PI Sta 650+67.02
CP #2
STA 552+32.27, 18.96' LT
(OLD STA 452+27.12, 18.97' LT)
N 50,000.0000
E 50,408.0840
650+50.00 75.00' LT
650+56.77 90.00' LT
PARCEL ID: 13-1-21-01-00-000-007
RUTH MORRIS
EX ROW
℄ EXISTING OLD TROY ROAD
PC Sta 649+99.77
PI Sta 547+95.02
POT Sta 648+88.95
650+00
PC Sta 549+02.33
549+43.08 24.97' LT
550+84.89 81.87' LT
549+58.09 26.79' LT
550+03.43 56.08' LT
551+57.28 82.09' LT
PARCEL ID: 09-2-22-06-00-000-004
JOHN SEDLACEK
CITY OF TROY
℄ EXISTING IL RT 162
℄ PROPOSED IL RT 162
544+50.72 49.75' LT
544+00 40.73' LT
546+50.00 75.00' LT
546+15.65 73.82' LT
541+50.00 50.00' LT
541+50.00 40.73' LT
EX ROW
PR ROW
PT Sta 546+59.43
PI Sta 549+49.03
PT Sta 549+95.58
PI Sta 553+33.27
554+72.69 62.29' LT
440+00
545+00
550+00
555+00
POT Sta 541+00.00
PC Sta 545+40.26
PI Sta 546+00.00
549+45.61 31.24' RT
549+27.07 55.20' RT
PC Sta 551+59.81
℄ PROPOSED IL RT 162
℄ EXISTING IL RT 162
EX ROW
PR ROW
541+50.00 38.97' RT
542+00.00 65.00' RT
546+67.57 78.14' RT
547+43.94 135.99' RT
549+27.11 118.47' RT
549+35.52 116.94' RT
549+74.84 27.84' RT
550+30.35 74.45' RT
550+58.46 72.80' RT
550+97.27 51.27' RT
PT Sta 555+05.14
PARCEL ID: 13-1-21-01-00-000-009
FIRST BAPTIST CHURCH OF MARYVILLE
PARCEL ID: 09-1-22-06-00-000-007
ZOE WILLNOW
PARCEL ID: 09-1-22-06-00-000-008
CHRISTOPHER SHANE AND DANNIELLE
2975 CANDYTUFT DR
CP #3
STA 543+92.87, 17.82' RT
(OLD STA 443+92.87, 17.82' RT)
N 49,960.1120
E 49,572.7040
CP #1
STA 548+25.82, 11.54' RT
(OLD STA 448+20.57, 17.50' LT)
N 50,000.000
E 50,000.000
PARCEL ID: 09-1-22-06-00-000-014
AMERICAN TOWER ASSET SUB II LLC
PARCEL ID: 09-1-22-06-00-000-009.002
DANNY K FREY
PARCEL ID: 09-2-22-06-00-000-006
DANNY K FREY
MADISON COUNTY MASS TRANSIT DISTRICT
PARCEL ID: 09-2-22-06-00-000-009.001
DAVID W AND MARY J APER
7210 STATE ROUTE 162
CP #5
(OLD STA 457+31.24, 36.33' LT)
N 50,907.5870
E 49,890.4520

0 60 120 180
SCALE IN FEET

PROP. CURVE WPROIL162_1
PI STA. = 546+00.00
Δ = 10° 06' 54" (LT)
D = 8° 29' 18"
R = 675.00'
T = 59.74'
L = 119.16'
E = 2.64'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 545+40.26
P.T. STA. = 546+59.43

PROP. CURVE EPROIL162_1
PI STA. = 549+49.03
Δ = 7° 54' 57" (LT)
D = 8° 29' 18"
R = 675.00'
T = 46.70'
L = 93.25'
E = 1.61'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 549+02.33
P.T. STA. = 549+95.58

PROP. CURVE EPROIL162_2
PI STA. = 553+33.27
Δ = 13° 27' 55" (RT)
D = 3° 53' 57"
R = 1,469.41'
T = 173.46'
L = 345.33'
E = 10.20'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 551+59.81
P.T. STA. = 555+05.14

PROP. CURVE PROOLDTROYRD_3
PI STA. = 650+67.02
Δ = 25° 16' 12" (LT)
D = 19° 05' 55"
R = 300.00'
T = 67.25'
L = 132.31'
E = 7.45'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 649+99.77
P.T. STA. = 651+32.08

LOCHMUELLER GROUP
103 West Vandalia St #100
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	DRAWN -	REVISED -
PLOT SCALE = 120.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

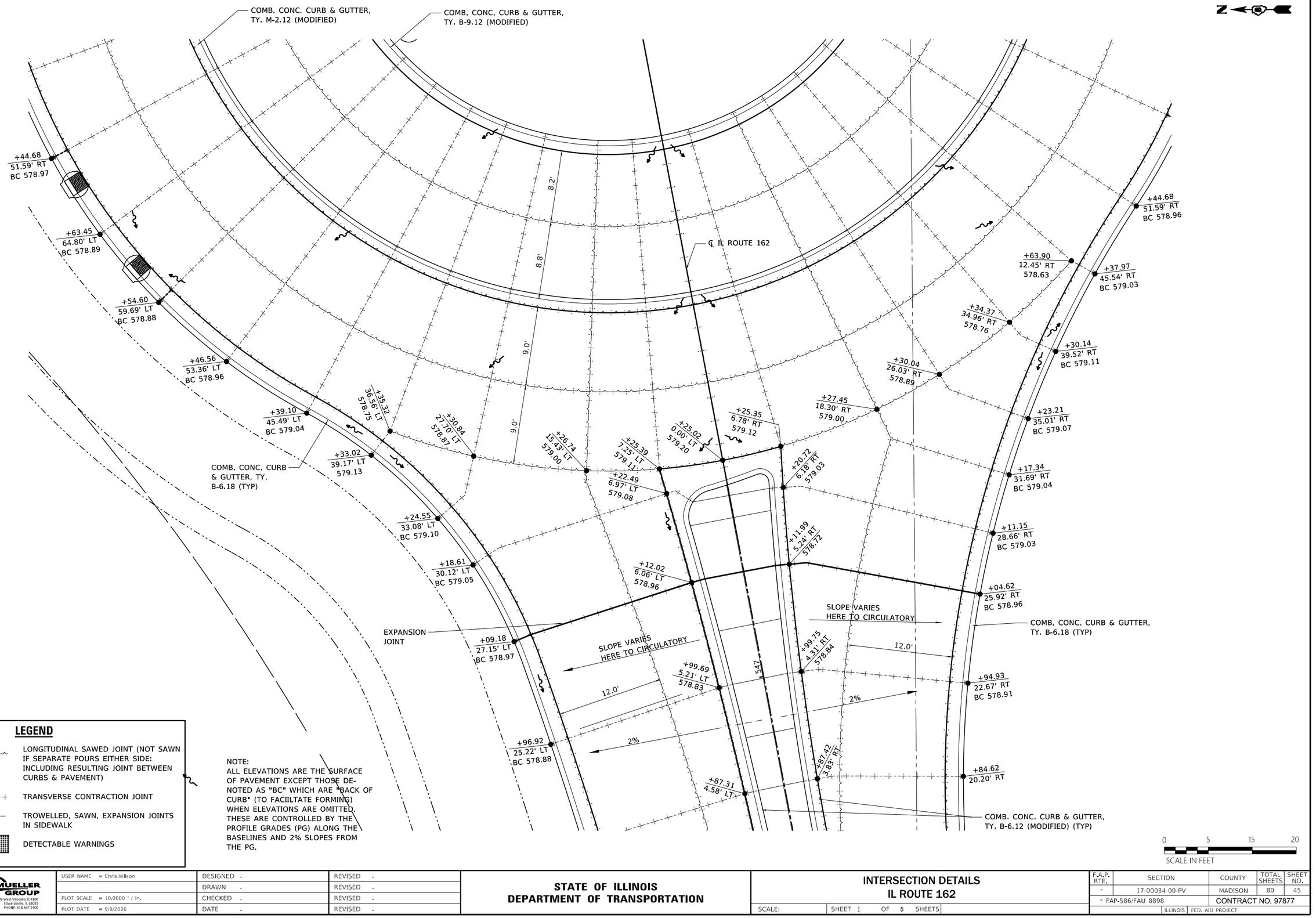
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

R.O.W., T.C.E. & PROPERTY OWNERS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	44
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: 01 ROW
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-ILL-CLOSURE-ROW Plan.dgn



LEGEND

- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE: INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT
- TROWELLED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS

NOTE:
ALL ELEVATIONS ARE THE SURFACE OF PAVEMENT EXCEPT THOSE DE-NOTED AS "BC" WHICH ARE "BACK OF CURB" (TO FACIILTATE FORMING) WHEN ELEVATIONS ARE OMITTED. THESE ARE CONTROLLED BY THE PROFILE GRADES (PG) ALONG THE BASELINES AND 2% SLOPES FROM THE PG.

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

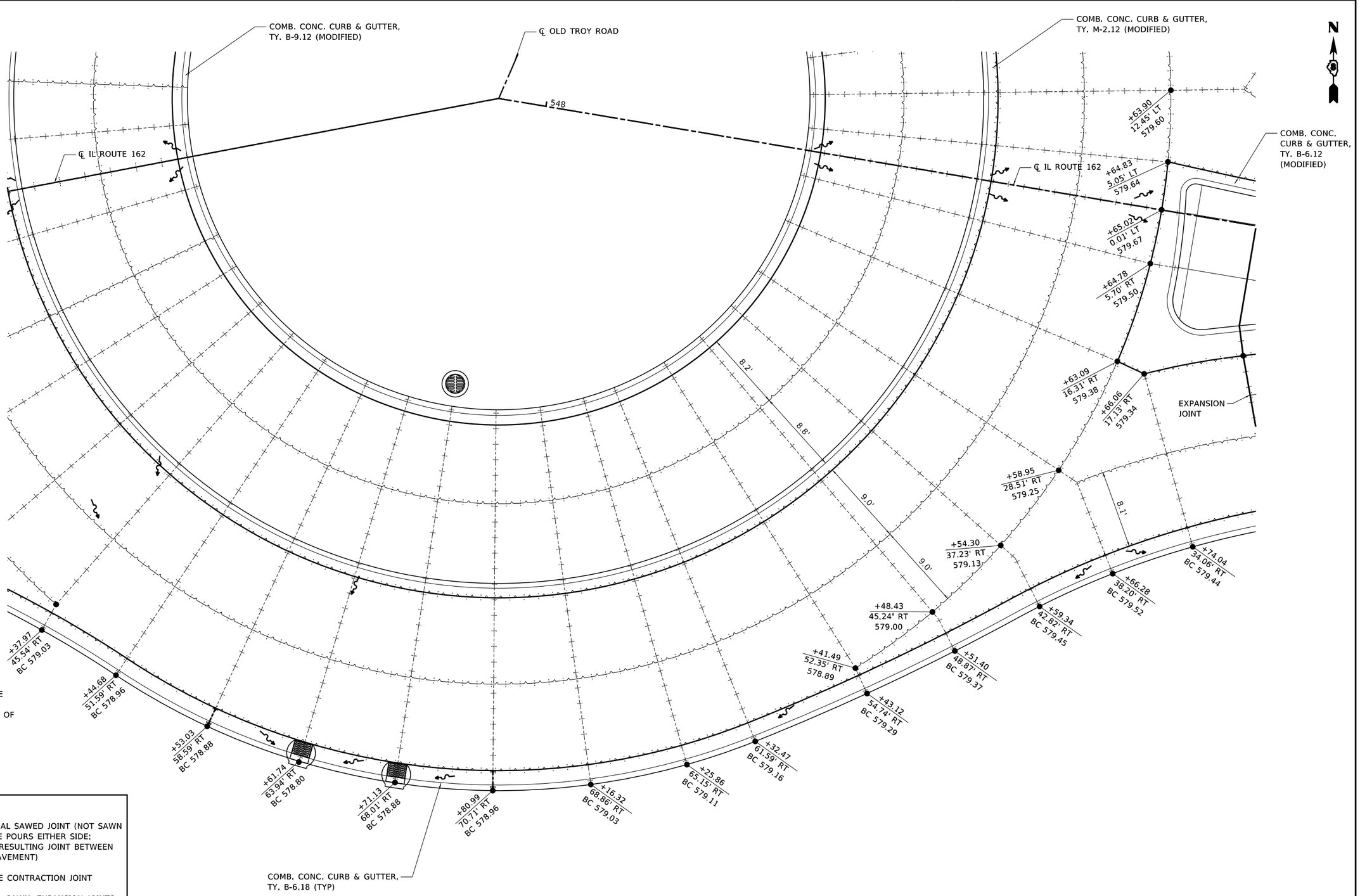
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 162

SCALE: | SHEET 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	45
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: 01 Int Det Sht
FILE NAME: S:\Projects\418-0015-0\IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\D87AP586-IH-FULLCLOSURE-Intersect&IslandDtl.dgn



NOTE:
ALL ELEVATIONS ARE THE SURFACE OF PAVEMENT EXCEPT THOSE DE-NOTED AS "BC" WHICH ARE "BACK OF CURB" (TO FACIILTATE FORMING) WHEN ELEVATIONS ARE OMITTED, THESE ARE CONTROLLED BY THE PROFILE GRADES (PG) ALONG THE BASELINES AND 2% SLOPES FROM THE PG.

LEGEND

- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE: INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT
- TROWELLED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS

0 5 15 20
SCALE IN FEET

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

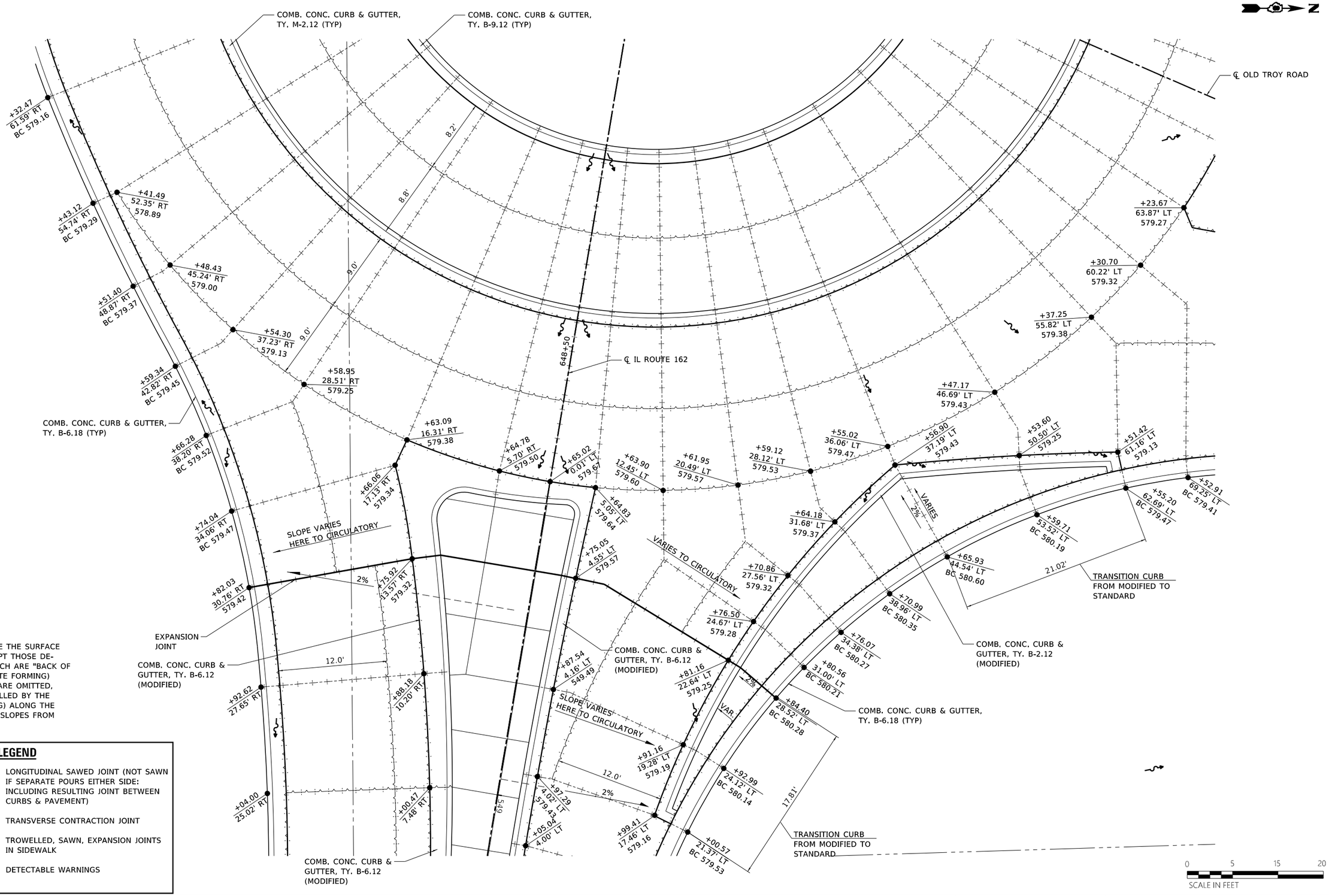
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 162

SCALE: | SHEET 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	46
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

MODEL: 02 Int Det Sht
FILE NAME: S:\Projects\418-0015-0hr IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IH-FULLCLOSURE-Intersect&IslandDH.dgn



NOTE:
ALL ELEVATIONS ARE THE SURFACE OF PAVEMENT EXCEPT THOSE DE-NOTED AS "BC" WHICH ARE "BACK OF CURB" (TO FACIILTATE FORMING) WHEN ELEVATIONS ARE OMITTED, THESE ARE CONTROLLED BY THE PROFILE GRADES (PG) ALONG THE BASELINES AND 2% SLOPES FROM THE PG.

LEGEND

- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE: INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT
- TROWELLED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS

LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 162

SCALE: | SHEET 3 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	47
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: 03 Int Det Sht
FILE NAME: S:\Projects\418-00015-0\Hr IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IH-FULLCLOSURE-Intersect&StdIndDtl.dgn

LEGEND

- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT
- TROWELLED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS

NOTE:
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N

SIDEWALK CURB (TYPICAL)

649+92.87, 22.17' LT, BC 578.84, DEPR BC 578.37

650+01.08, 21.32' LT, BC 578.76

COMB. CON. CURB & GUTTER, TYPE B-6.12 (MODIFIED)

COMB. CON. CURB & GUTTER, TYPE B-6.12 (MODIFIED)

650+12.63, 4.63' RT, 578.45

650+16.03, 23.59' RT, BC 578.85

649+83, 24.22' LT, BC 578.89, DEPR BC 578.44

649+90.76, 22.51' LT, DEPR BC 578.38

650+00.00, 4.00' LT, 578.65

2%

12.0' SLOPE VARIES HERE TO CIRCULATORY

650+00.00

SLOPE VARIES HERE TO CIRCULATORY

12.0'

650+00.26, 6.10' RT, 578.62

650+05.39, 26.14' RT, BC 578.77

PROPOSED FUTURE MULTI-USE PATH

649+87.50, 4.00' LT, 578.75

649+96.02, 29.0' RT, BC 578.98, DEPR BC 578.52

649+80.68, 24.90' LT, BC 578.93

649+71.93, 28.04' LT, BC 579.00

649+94.81, 29.42' RT, DEPR BC 578.54

650+00.26, 6.10' RT, 578.62

649+62.42, 27.73' LT, BC 579.09

649+75.00, 4.00' LT, 578.88

649+55.36, 37.22' LT, BC 579.16

649+45.71, 40.97' LT, 578.73

649+75.65, 10.47' RT, 578.92

649+47.73, 45.25' LT, BC 579.12

COMB. CON. CURB & GUTTER, TYPE B-6.18 (TYP)

649+83.96, 33.16' RT, BC 579.17

649+86.54, 32.2' RT, BC 579,13, DEPR BC 578.67

649+40.84, 50.03' LT, BC 579.03

649+50.93, 32.52' LT, 578.84

649+54.91, 23.42' LT, 578.91

649+57.42, 14.57' LT, 579.05

649+62.50, 4.00' LT, 579.10

649+67.60, 12.18' RT, 579.08

649+33.24, 56.87' LT

649+58.83, 4.00' LT, 579.16

649+58.82, 4.21' RT, 579.23

649+59.57, 14.0' RT, 579.25

649+76.65, 36.07' RT, BC 579.29

649+70.14, 39.45' RT, BC 579.41

649+53.32, 12.37' RT, 579.27

COMB. CON. CURB & GUTTER, TYPE B-6.18 (MODIFIED) (TYPICAL)

649+53.32, 27.50' RT, 579.32

649+61.92, 39.95' RT, 579.13

649+64.32, 43.35' RT, BC 579.47

649+53.32, 27.50' RT, 579.38

21.09'

TRANSITION MODIFIED CURB TO STANDARD

649+56.51, 49.85' RT, BC 580.19

649+52.11, 44.65' RT, 579.25

649+46.86, 39.33' RT, 579.43

649+49.30, 58.10' RT, BC 580.60

COMB. CON. CURB & GUTTER, TYPE B-6.12 (TYPICAL)

649+38.63, 49.51' RT, 579.47

649+40, 51.07' RT, 579.43

9.0'

9.0'

8.8'

8.2'

℄ OLD TROY ROAD

COMB. CON. CURB & GUTTER, TYPE B-6.12 (MODIFIED)

COMB. CON. CURB & GUTTER, TYPE B-6.12 (MODIFIED)

0 5 15 20
SCALE IN FEET

MODEL: 04 Int Det Sht
FILE NAME: S:\Projects\418-0015-dnr\ IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-Int-FULLCLOSURE-Intersect&IslandDtl.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 162

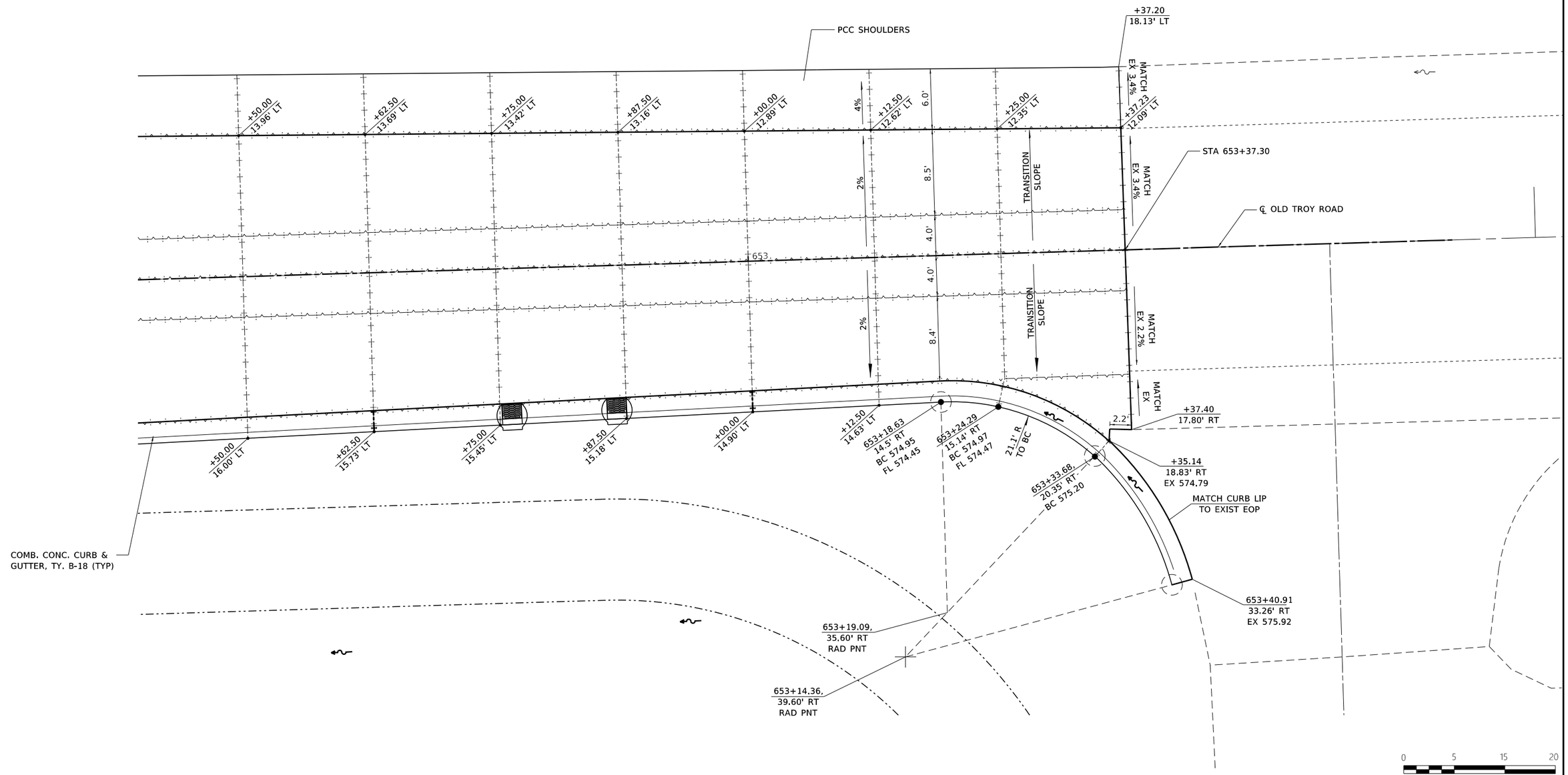
SCALE: | SHEET 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	48
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE: INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT
- TROWELLED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS

NOTE:
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MODEL: 05 Int Det Sht
FILE NAME: S:\Projects\418-2015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-IH-FULLCLOSURE-Intersect65AlinutDtl.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

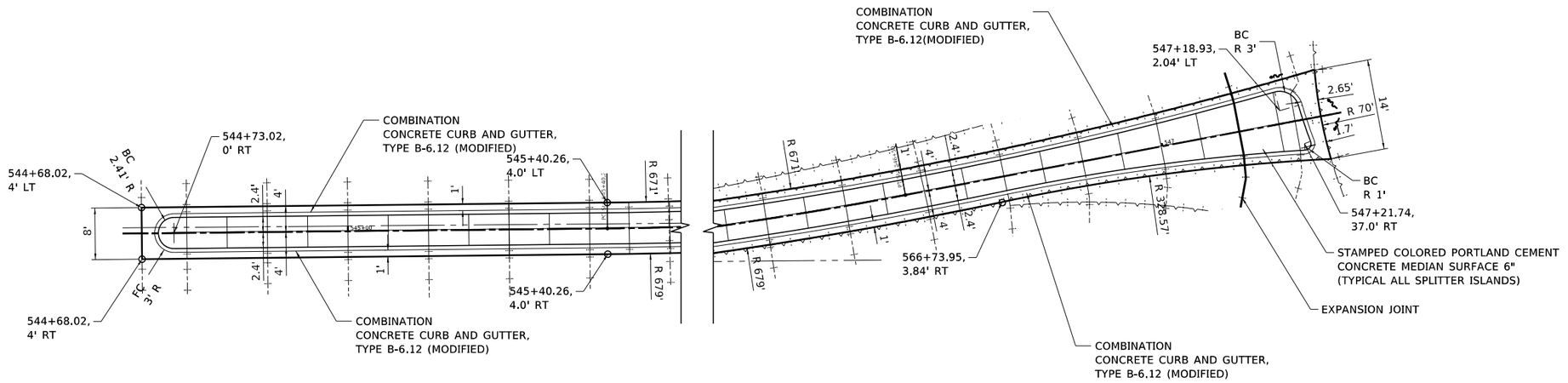
USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

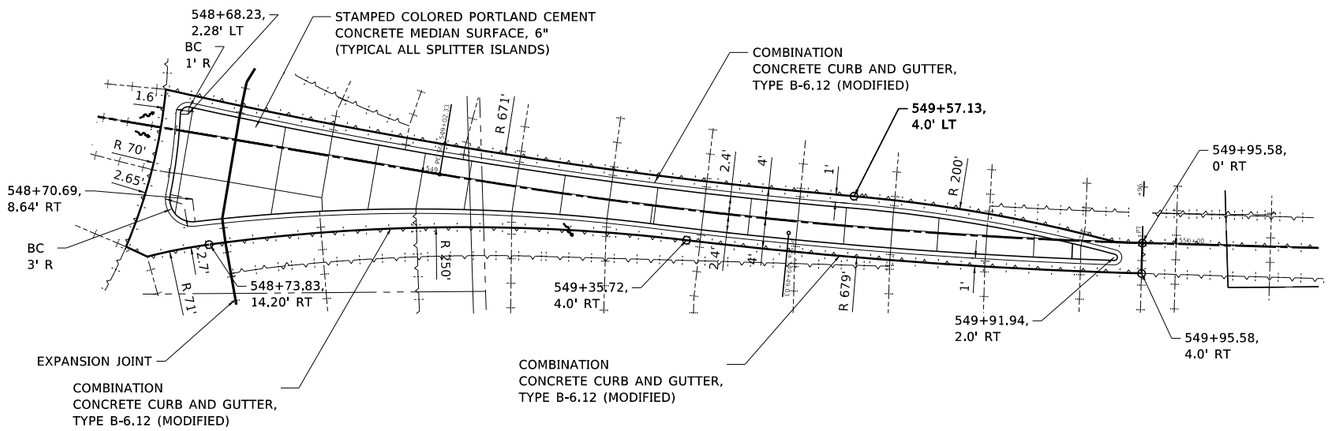
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 162

SCALE: | SHEET 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	49
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			





FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-sht-FULLCLOSURE-Intersect&IslandDtl.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

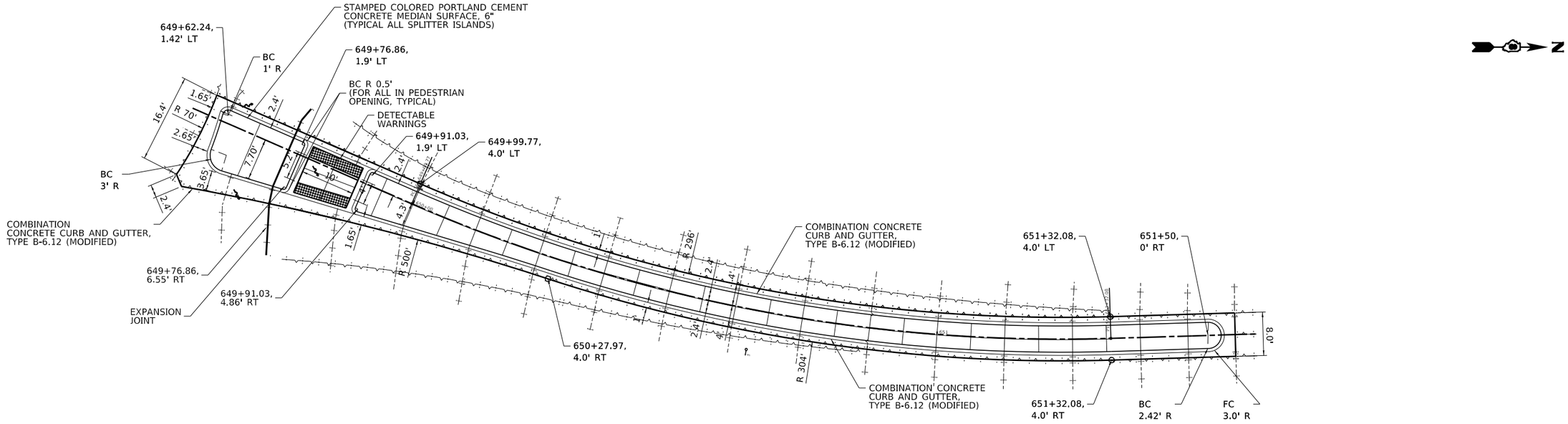
USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
MODEL NAME = X II Rte 162 Splitter	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/9/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPLITTER ISLAND DETAILS
IL ROUTE 162

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	50
* FAP 586/FAU 8898		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-sht-FULLCLOSURE-Intersect&IslandDtl.dgn

LOCHMUELLER GROUP 103 West Vandalia St #100 Edwardsville, IL 62025 PHONE: 618.667.1400	USER NAME = Chris.Wilson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPLITTER ISLAND DETAILS OLD TROY ROAD
	MODEL NAME = X Old Troy Splitter	DRAWN -	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.
	PLOT DATE = 9/9/2026	DATE -	REVISED -		

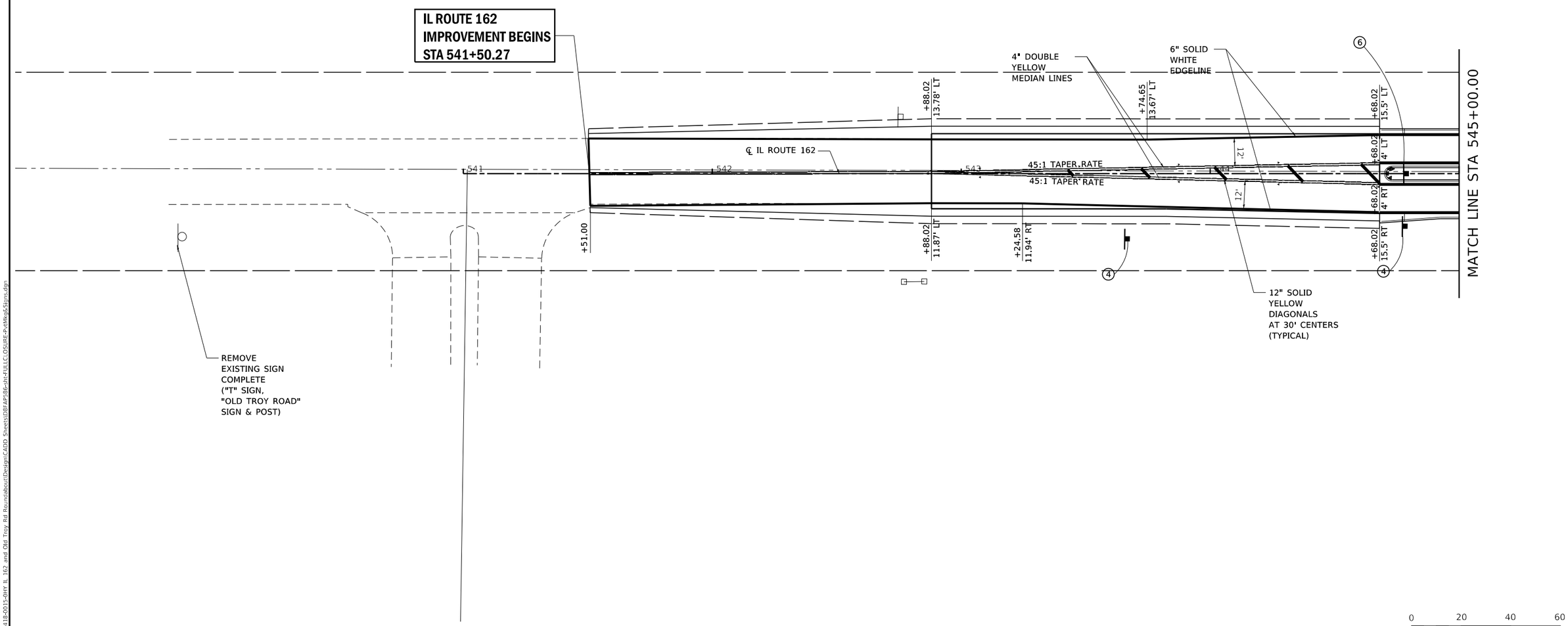
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	51
* FAP 586/FAU 8898		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

LEGEND

1. W11-2 (30x30)
2. EAST OR WEST — M3-2 (24x12) M3-4 (24x12); ILLINOIS 162 — M1-5 (24x24); M6-1 (21x15)
3. YIELD — R1-2 (36x36x36); BACK OF YIELD SIGN — R5-1 (30x30); R6-5P (30x30)
4. W2-6 (30x30); SPEED LIMIT 20 — R2-1 (24x30); OLD TROY ROAD — D1-1 (18x24)
5. W3-2 (30x30)
6. R4-7 (18x24)
7. ONE WAY — R6-1R (36x12)
8. STOP — R1-1 (30x30)

W16-7pL (24x12)

- SIGN
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
- PRISMATIC CURB RELECTOR (ONE-WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)



0 20 40 60
SCALE IN FEET

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/9/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINAL PAVEMENT MARKING AND SIGNS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	52
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

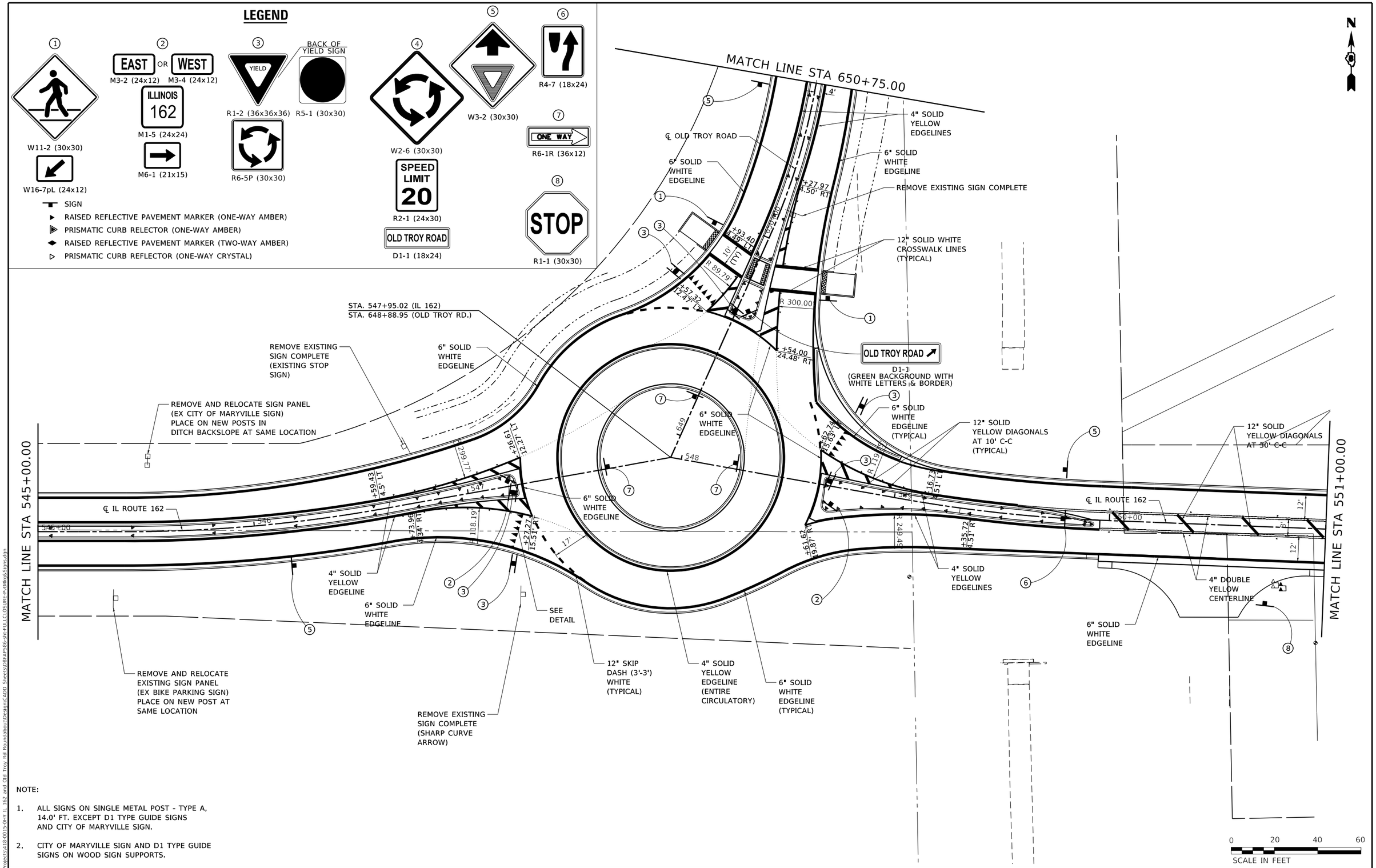
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FILE NAME: S:\Projects\418-0015-0\IV IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IM-FULLCLOSURE-PvtMrkgSigns.dgn

LEGEND

1. W11-2 (30x30)
2. EAST OR WEST — M3-2 (24x12) M3-4 (24x12); ILLINOIS 162 — M1-5 (24x24); M6-1 (21x15)
3. YIELD — R1-2 (36x36x36); BACK OF YIELD SIGN — R5-1 (30x30); R6-5P (30x30)
4. W2-6 (30x30); SPEED LIMIT 20 — R2-1 (24x30); OLD TROY ROAD — D1-1 (18x24)
5. W3-2 (30x30)
6. R4-7 (18x24)
7. ONE WAY — R6-1R (36x12)
8. STOP — R1-1 (30x30)

W16-7pL (24x12)

- SIGN
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
- PRISMATIC CURB RELECTOR (ONE-WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)



NOTE:

1. ALL SIGNS ON SINGLE METAL POST - TYPE A, 14.0' FT. EXCEPT D1 TYPE GUIDE SIGNS AND CITY OF MARYVILLE SIGN.
2. CITY OF MARYVILLE SIGN AND D1 TYPE GUIDE SIGNS ON WOOD SIGN SUPPORTS.

LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINAL PAVEMENT MARKING AND SIGNS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	53
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: sheet 2
FILE NAME: S:\Projects\418-0015-0HV IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-1H-FULLCLOSURE-PvtMrk&SIgns.dgn

LEGEND

① W11-2 (30x30)

W16-7pL (24x12)

② EAST OR WEST
M3-2 (24x12) M3-4 (24x12)

ILLINOIS 162
M1-5 (24x24)

M6-1 (21x15)

③ YIELD
R1-2 (36x36x36)

BACK OF YIELD SIGN
R5-1 (30x30)

R6-5P (30x30)

④ W2-6 (30x30)

SPEED LIMIT 20
R2-1 (24x30)

OLD TROY ROAD
D1-1 (18x24)

⑤ W3-2 (30x30)

⑥ R4-7 (18x24)

⑦ ONE WAY
R6-1R (36x12)

⑧ STOP
R1-1 (30x30)

- SIGN
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
- PRISMATIC CURB RELECTOR (ONE-WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)

N

IL ROUTE 162
IMPROVEMENT ENDS
STA 554+16.70

EXISTING CITY OF TROY MARQUEE SIGN TO REMAIN

REMOVE EXISTING SIGN COMPLETE

MATCH LINE STA 551+00.00

6" SOLID WHITE EDGELINES

12" SOLID YELLOW DIAGONALS AT 30' C-C

+59.81
4' LT

+59.79
11.76' LT

P.E.

551

552

553

554

555+00

12'

12'

50:1 TAPER

50:1 TAPER

℄ IL ROUTE 162

+19.71
15.64' RT

6" SOLID WHITE EDGELINES

4" DOUBLE YELLOW CENTERLINE

KENNEDY DRIVE

+05.14

0 20 40 60
SCALE IN FEET

MODEL: sheet 3
FILE NAME: S:\Projects\418-6015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP-86-IH-FULLCLOSURE-PvtMrk&Signs.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINAL PAVEMENT MARKING AND SIGNS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 3 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	54
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

① W11-2 (30x30)

W16-7pL (24x12)

② EAST OR WEST
M3-2 (24x12) M3-4 (24x12)

ILLINOIS 162
M1-5 (24x24)

M6-1 (21x15)

③ YIELD
R1-2 (36x36x36)

BACK OF YIELD SIGN
R5-1 (30x30)

R6-5P (30x30)

④ W2-6 (30x30)

SPEED LIMIT 20
R2-1 (24x30)

OLD TROY ROAD
D1-1 (18x24)

⑤ W3-2 (30x30)

⑥ R4-7 (18x24)

⑦ ONE WAY
R6-1R (36x12)

⑧ STOP
R1-1 (30x30)

- SIGN
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
- PRISMATIC CURB RELECTOR (ONE-WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)

N

OLD TROY ROAD
IMPROVEMENT BEGINS
STA 653+37.22

MATCH LINE STA 650+75.00

6" SOLID WHITE EDGELINES

12" SOLID YELLOW DIAGONALS AT 30' C-C

4" SOLID YELLOW EDGELINES

4" DOUBLE YELLOW CENTERLINE

④

+37.22

℄ OLD TROY ROAD

651 652 653 654

+55.00 4' LT

+55.00 4' RT

12'

12'

45:1 TAPER

45:1 TAPER

6" SOLID WHITE EDGELINES

⑥

REMOVE AND RELOCATE SIGN PANEL (EX MCT PARKING) PLACE ON NEW METAL POST, SAME LOCATION

REMOVE AND RELOCATE SIGN PANEL (EX SPEEDLIMIT SIGN) PLACE ON NEW METAL POST, SAME LOCATION

0 20 40 60
SCALE IN FEET

MODEL: sheet 4
FILE NAME: S:\Projects\418-0015-01\IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586e-IN-FULLCLOSURE-PvtMrkgSigns.dgn

LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

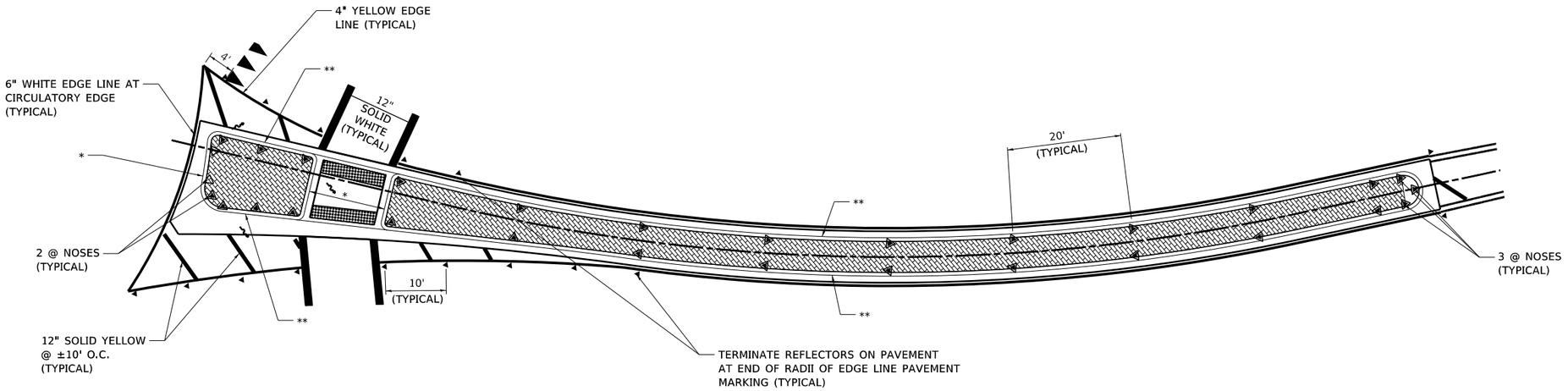
FINAL PAVEMENT MARKING AND SIGNS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	55
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LEGEND

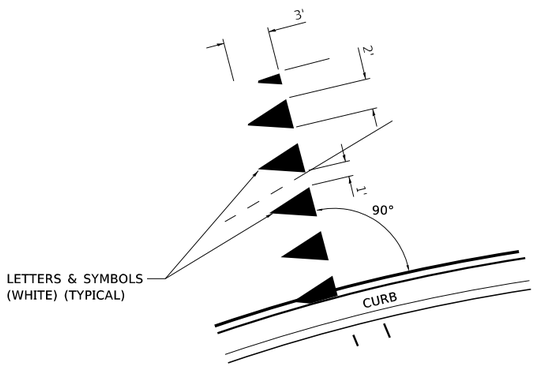
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- PRISMATIC CURB RELECTOR (ONE-WAY AMBER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- PRISMATIC CURB REFLECTOR (ONE-WAY CRYSTAL)



SPLITTER ISLAND TYPICAL MARKINGS DETAIL

(N.T.S.)

* PAINT CURB (WHITE, ON FACE & TOP)
** PAINT CURB (YELLOW, ON FACE & TOP)



TYPICAL YIELD BAR MARKING DETAIL

MODEL: sheet 5
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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

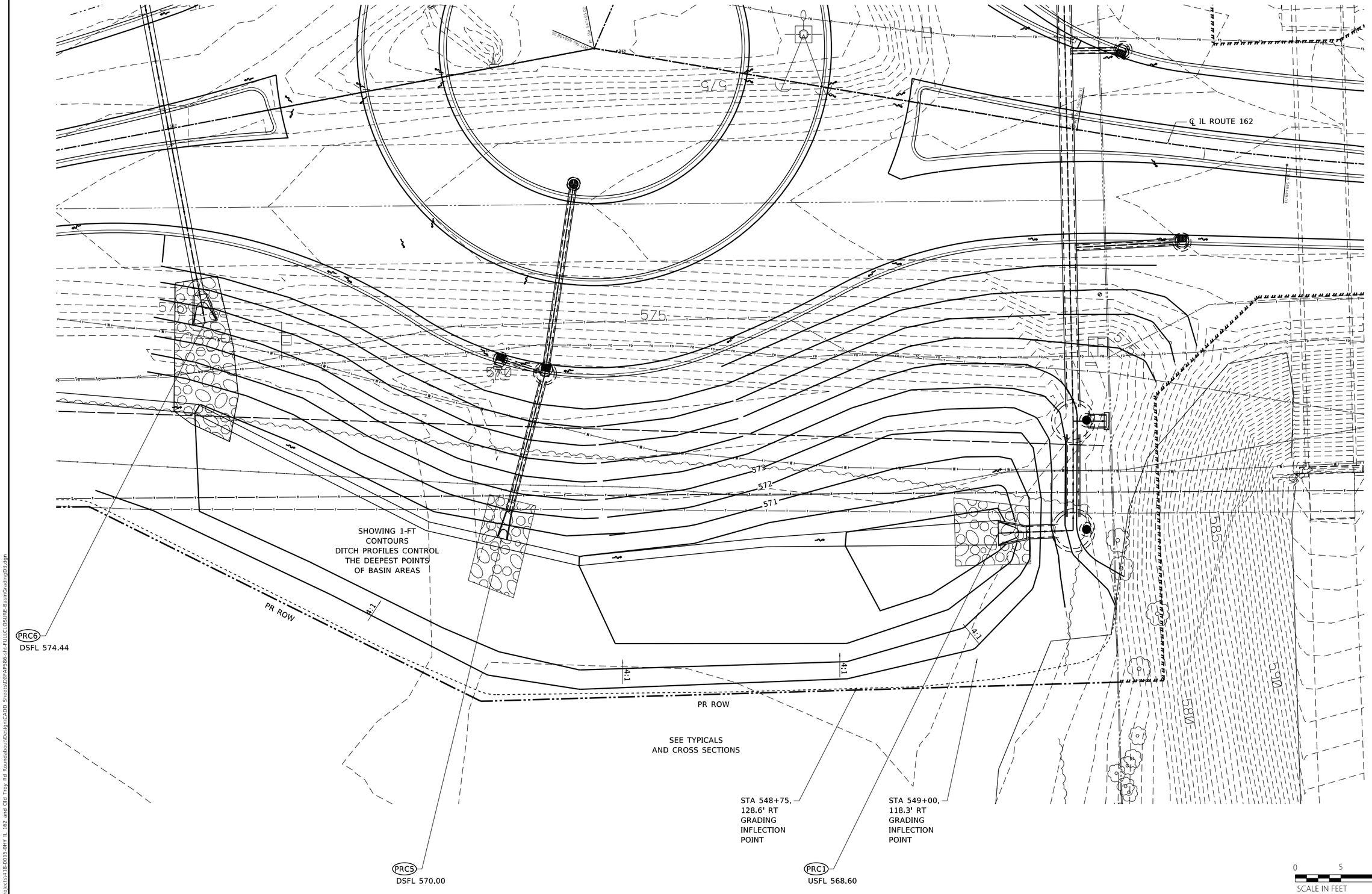
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PLOT DATE = 9/10/2026	DATE -	REVISED -	

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FINAL PAVEMENT MARKING AND SIGNS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 5 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	56
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

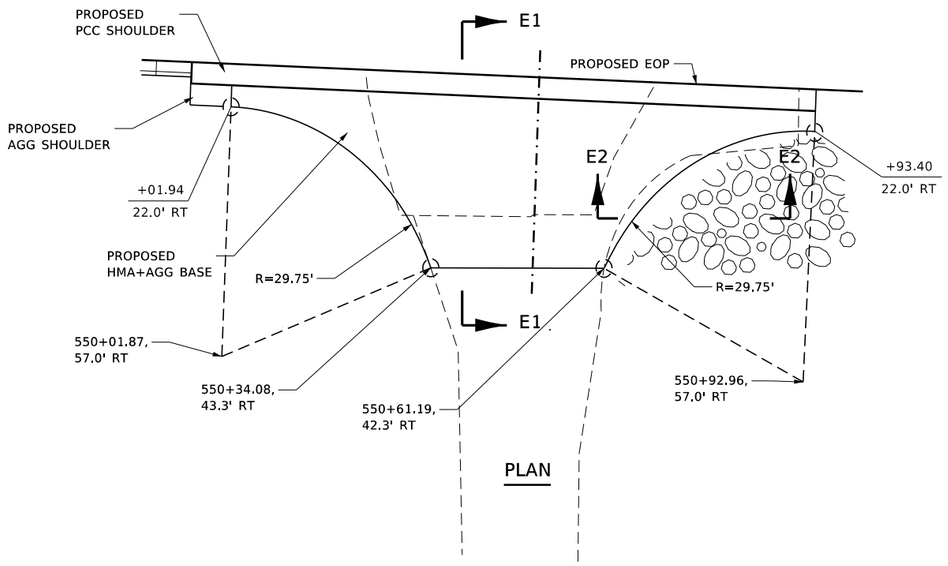
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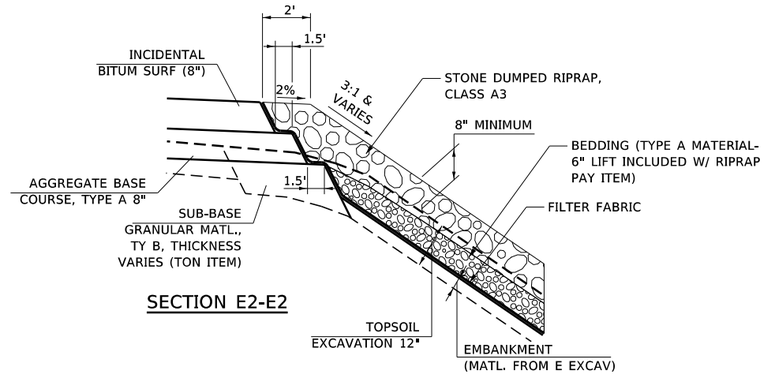
GRADING DETAILS AT SOUTH DETENTION AREA
IL ROUTE 162

SCALE: | SHEET 1 OF 1 SHEETS

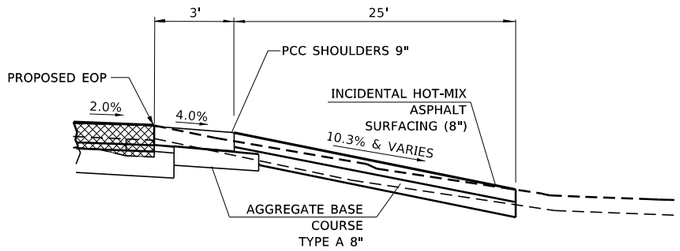
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*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



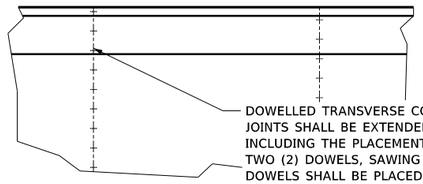
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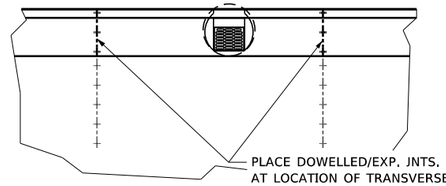
SECTION E2-E2



SECTION E1-E1



TRANSVERSE JOINTS
IN CURBING



EXPANSION JOINTS
AT INLET MODIFICATION

HIGHWAY STANDARD 606001 SHALL BE MODIFIED SUCH THAT THE DOWELLED/EXPANSION JOINTS CALLED FOR EITHER SIDE OF INLETS SHALL BE POSITIONED AT THE NEAREST TRANSVERSE CONTRACTION JOINTS. "DEAD END" OR "T" JOINTS SHOWN IN THE HIGHWAY STANDARD ARE PROHIBITED.

LOCHMUELLER GROUP
101 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND PAVING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	58
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2023 NATIONAL ELECTRICAL CODE (NEC), THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CITY OF TROY DESIGN STANDARDS, AND ALL APPLICABLE LOCAL ORDINANCES.

2. TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (ILMUTCD), HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS.

3. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS HAVE BEEN LOCATED AT THE TIME OF THE SURVEY, OR BASED ON AVAILABLE EXISTING INFORMATION. NO GUARANTEE IS IMPLIED THAT ALL UTILITIES HAVE BEEN LOCATED OR DEPICTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION RELATED IMPROVEMENTS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.30 OF THE "STANDARD SPECIFICATIONS". CALL J.U.L.I.E. AT 1-800-892-0123, AS WELL AS ANY OTHER KNOWN UTILITY COMPANIES NOT SERVED BY J.U.L.I.E., A MINIMUM OF 48 HOURS IN ADVANCE OF DIGGING OPERATIONS. THE CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITY COMPANY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA AS FOLLOWS:

   - AMEREN ILLINOIS
   - AT&T
   - CITY OF TROY
   - ILLINOIS AMERICAN WATER
   - SOUTHWEST ELECTRIC COOPERATIVE

5. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR A COMPLETE AND WORKABLE LIGHTING SYSTEM. A DULY LICENSED ELECTRICIAN SHALL SUPERVISE ALL LIGHTING RELATED WORK. THE CONTRACTOR SHALL ENSURE THAT ALL EMPLOYEES ARE FAMILIAR WITH THE TYPE OF WORK ENCOUNTERED ON THE PROJECT.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIALS AND TOOLS FOR THE PROJECT. THE ONTRACTOR SHALL OBTAIN CITY OF TROY ELECTRICIAN LICENSE PRIOR TO START OF WORK, AND SHALL COORDINATE INSPECTION OF WORK WITH THE CITY OF TROY.

7. THE CONSTRUCTION OF PROPOSED LIGHTING FACILITIES SHALL BE COORDINATED WITH PROPOSED ROADWAY IMPROVEMENTS ALONG ILLINOIS ROUTE 162 AND OLD TROY ROAD. REFER TO RESPECTIVE PLAN SHEETS AND PROJECT SPECIAL PROVISIONS DETAILED INFORMATION PERTAINING TO THE CONSTRUCTION OF PROPOSED SIDEWALKS, CURB RAMPS, CURB AND GUTTERS, SIGNING, AND/OR ANY OTHER NON-LIGHTING RELATED COMPONENT OF THE PROJECT.

8. PRIOR TO CONSTRUCTION ACTIVITIES TAKING PLACE, THE CONTRACTOR SHALL COORDINATE WITH AMEREN ILLINOIS TO VERIFY LOCATION OF THE PROPOSED POWER SOURCE, AND WHERE INSTALLATION OF NEW LIGHTING CONTROLLER IS ASSUMED.

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING FACILITIES NOT EXPLICITLY IDENTIFIED AS BEING REMOVED OR RELOCATED IN THE PLANS THAT ARE DISTURBED OR OTHERWISE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.

10. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

11. THE PROPOSED ROUTING OF ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN IN THE PLANS ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED ELECTRICAL CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

12. THE LOCATIONS OF PROPOSED LIGHT POLES SHOWN IN THE PLANS ARE APPROXIMATE, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED LIGHT POLE LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY; HOWEVER, THE CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL LIGHT POLE FOUNDATIONS WITH THE CITY OF CHAMPAIGN'S PROJECT CONSTRUCTION REPRESENTATIVE AFTER ALL UTILITIES HAVE BEEN FIELD LOCATED AND/OR EXPOSED. REFER TO PLAN SHEETS FOR ADDITIONAL INFORMATION RELATED TO INTENDED LOCATION OF PROPOSED LIGHT POLES, IN RELATION TO SIDEWALK AND/OR CURBED MEDIAN FACILITIES. THE MINIMUM CLEAR DISTANCE ALLOWED BETWEEN THE BACK OF CURB AND CENTER OF LIGHT POLE SHALL BE 3.0 FT (36 IN.), UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

13. DIRECTIONAL BORING OR PUSHING OF CONDUIT MAY BE USED INSTEAD OF TRENCHING CONDUIT; HOWEVER, NO ADDITIONAL PAYMENT WILL BE MADE. IF USED, OPEN TRENCHING SHALL BE COORDINATED WITH ROADWAY AND SIDEWALK IMPROVEMENTS TO ALLOW FOR A NEW SURFACE FREE OF ANY TRENCH PATCHING FOLLOWING POLE FOUNDATION, CONDUIT, OR JUNCTION BOX INSTALLATION.

15. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING IMPROVEMENTS.

16. EXCAVATION (EARTHEN OR CONCRETE), RESTORATION, OR SEEDING ASSOCIATED WITH INSTALLATION OF CONDUITS, FOUNDATIONS, OR JUNCTION BOXES WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED AS PART OF WORK ASSOCIATED WITH INSTALLING RESPECTIVE PAY ITEMS.

17. ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUNDING CONDUCTOR SIZED, AS NOTED ON PLANS AND IN ACCORDANCE WITH THE 2023 NATIONAL ELECTRICAL CODE (NEC).

18. THE CONTRACTOR SHALL PROVIDE PULL STRING IN ALL CONDUITS, INCLUDING THOSE CONDUITS WITH CONDUCTORS INSTALLED. THE PULL STRING WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED AS PART OF WORK ASSOCIATED WITH INSTALLING RESPECTIVE CONDUIT PAY ITEMS.

19. THE CONTRACTOR SHALL TAG ALL ELECTRICAL CONDUCTORS (PHASE CONDUCTORS, NEUTRALS, AND GROUNDS) WITH PERMANENT TAGS. EACH CONDUCTOR SHALL BE TAGGED IN ALL JUNCTION BOXED AND POLE HANDHOLES. THE TAG SHALL INDICATE THE LIGHTING CONTROLLER AND CIRCUIT NUMBER FROM WHICH THE CONDUCTORS ORIGINATE.

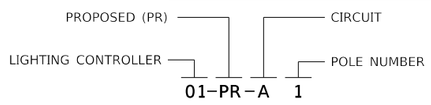
20. CONDUIT SPLICES WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED AS PART OF WORK ASSOCIATED WITH INSTALLING RESPECTIVE CONDUIT PAY ITEMS.

21. POLE WIRING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITH THE LUMINAIRE PER ARTICLE 821.03 OF THE STANDARD SPECIFICATIONS.

22. JUNCTION BOXES SHALL INCLUDE THE INTENDED USE CAST INTO THE COVER. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

23. ALL GROUNDING CONDUCTORS SHALL BE BONDED TOGETHER IN ALL JUNCTION BOXES. SEE LIGHTING DETAIL SHEETS FOR ADDITIONAL INFORMATION.

POLE DESIGNATION SCHEME

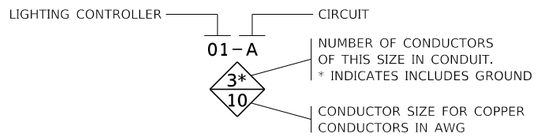


NOTE:
CONTRACTOR SHALL PROVIDE A PERMANENT STICKER BELOW THE HANDHOLE OF EACH LIGHT POLE INDICATING THE CONTROLLER, CIRCUIT, AND POLE NUMBER.

JUNCTION BOX DESIGNATION SCHEME



CONDUCTOR SYMBOL SCHEME



INDEX OF SHEETS

58	GENERAL NOTES, INDEX OF SHEETS, HIGHWAY STANDARDS, EQUIPMENT LEGEND, EQUIPMENT DESIGNATION SCHEDULE, & ILLUMINANCE SUMMARY TABLE
59	SUMMARY OF QUANTITIES TABLE
60	QUANTITY SCHEDULES
61-64	LIGHTING PLANS
65-68	LIGHTING DETAILS

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15 ' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701901-11	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
821101-03	LUMINAIRE WIRING IN POLE
825021-04	LIGHTING CONTROLLER BASE MOUNTED, 240V
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

LIGHTING EQUIPMENT LEGEND

	PR JUNCTION BOX OR GULFBOX JUNCTION (COMPOSITE CONCRETE)
	PR LIGHTING CIRCUIT CABLING IN PR 2-IN PVC CONDUIT, TRENCHED OR PUSHED
	PR LIGHTING CIRCUIT OR POWER CABLING IN PR 4-IN GALVANIZED STEEL CONDUIT
	PR LIGHTING CONTROLLER CABINET ASSEMBLY ON CONCRETE FOUDNATION
	PR LIGHT POLE ASSEMBLY, 40 FT EMH, 6 FT MAST ARM, ON 2.5 FT DIA. CONCRETE FOUNDATION

ILLUMINANCE DESIGN CRITERIA

ANSI/IES RP-8-25

Table 12-1: Recommended Pavement Illuminance for Roundabouts

Values in lux (lx). First number = Average illuminance (E_avg), second = Minimum illuminance (E_min).

Functional Classification	Pedestrian Activity Classification	Average (lx)	Minimum (lx)	Uniformity Ratio (E_avg/E_min)
Major/Major	High	34	3.2	3:1
	Medium	26	2.4	3:1
	Low	18	1.7	3:1
Major/Collector	High	29	2.7	3:1
	Medium	22	2	3:1
	Low	15	1.4	3:1
Major/Local	High	26	2.4	3:1
	Medium	20	1.9	3:1
	Low	13	1.2	3:1
Collector/Collector	High	24	2.2	4:1
	Medium	18	1.7	4:1
	Low	12	1.1	4:1
Collector/Local	High	21	2	4:1
	Medium	16	1.5	4:1
	Low	10	0.9	4:1
Local/Local	High	18	1.7	6:1
	Medium	14	1.3	6:1
	Low	8	0.7	6:1

ILLUMINANCE DESIGN PERFORMANCE

Illuminance Summary		
Sections	**Average (fc)**	**Uniformity (avg/min)**
Roundabout	1.94	2.4

SPECIAL PROVISION	ITEM	UNIT	TOTAL QUANTITY
	ELECTRIC SERVICE INSTALLATION	EACH	1
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	99
	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1862
*	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1
*	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	195
*	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	2066
	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	12
	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	12
	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	72
	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	48
*	JUNCTION BOX (SPECIAL)	EACH	4

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667-1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING SUMMARY OF QUANTITIES
IL ROUTE 162 - LIGHTING PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	60
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: Gen-03
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-IH-FULLCLOSURE-LightingSOQ.dgn

LIGHTING STRUCTURES SCHEDULE

STRUCTURE NO.	STA	LT/RT	ELECTRIC SERVICE INSTALLATION	GULFBOX JUNCTION, COMPOSITE CONCRETE	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	LIGHT POLE FOUNDATION, 30" DIAMETER	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	JUNCTION BOX (SPECIAL)
			EACH	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
IL ROUTE 162										
01-PR-B4	544+00.00	27.53' LT			1		1	6	4	
01-PR-B3	545+31.41	21.08' LT			1		1	6	4	
01-PR-B2	546+58.96	24.57' RT			1		1	6	4	
01-PR-A5	548+09.03	73.76' RT			1		1	6	4	
01-PR-A4	549+18.25	26.84' RT			1		1	6	4	
01-PR-A2	550+73.28	21.08' LT			1		1	6	4	
01-PR-A3	552+24.74	32.35' RT			1		1	6	4	
01-PR-JB2	-	-								1
01-PR-JB1	-	-								1
OLD TROY RD										
01-PR-JB14	-	-								1
01-PR-B1	649+09.57	72.20' LT			1		1	6	4	
01-PR-JB3	-	-								1
01-PR-A1	649+48.37	64.72' RT			1		1	6	4	
01-PR-GJCC1	-	-		1						
PR CONT 01	649+56.42	65.34' RT				1				
PR ELEC SERV	-	-	1							
01-PR-C1	650+37.79	24.11' LT			1		1	6	4	
01-PR-C2	651+41.15	21.67' RT			1		1	6	4	
01-PR-B2	652+76.81	22.39' LT			1		1	6	4	
		TOTAL:	1	1	12	1	12	72	48	4
		USE:	**1**	**1**	**12**	**1**	**12**	**72**	**48**	**4**

*NOTE: STATION AND OFFSET INFORMATION NOT PROVIDED FOR PROPOSED JUNCTION BOXES, AS THE ROUTING OF PROPOSED ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN ON THE PLAN SHEET ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

LIGHTING CONDUIT & CABLE SCHEDULE

LOCATION				UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	UNDERGROUND CONDUIT, PVC, 2" DIA.	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
FROM	TO	C-C DIST.	# OF	FOOT	FOOT	FOOT	FOOT
01-PR-B4	01-PR-B3	138	1		144		146
01-PR-B3	01-PR-B2	126	1		132		134
01-PR-B2	01-PR-B1	102	1		108		110
01-PR-B1	01-PR-JB3	5	1		9		13
01-PR-JB3	01-PR-C1	134	1		138		142
01-PR-C1	01-PR-C2	100	1		106		108
01-PR-C2	01-PR-C3	138	1		144		146
01-PR-JB3	01-PR-GJCC1	140	1		138		284
01-PR-GJCC1	01-PR-JB14	65	1	64			
01-PR-GJCC1	01-PR-A1	5	1		9		13
01-PR-A1	01-PR-A2	206	1		212		214
01-PR-A2	01-PR-JB1	160	1		164		168
01-PR-JB1	01-PR-JB2	56	1		54		58
01-PR-JB2	01-PR-A3	5	1		9		13
01-PR-A3	01-PR-A4	310	1		316		318
01-PR-A4	01-PR-A5	125	1		131		133
01-PR-GJCC1	PR-CONT-01	8	4		48		66
PR-CONT-01	PR ELEC SERV	15	1	35		195	
			TOTAL:	99	1862	195	2066
			USE:	**99**	**1862**	**195**	**2066**

MODEL: Gen-01
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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING SCHEDULES
IL ROUTE 162 - LIGHTING PLANS

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

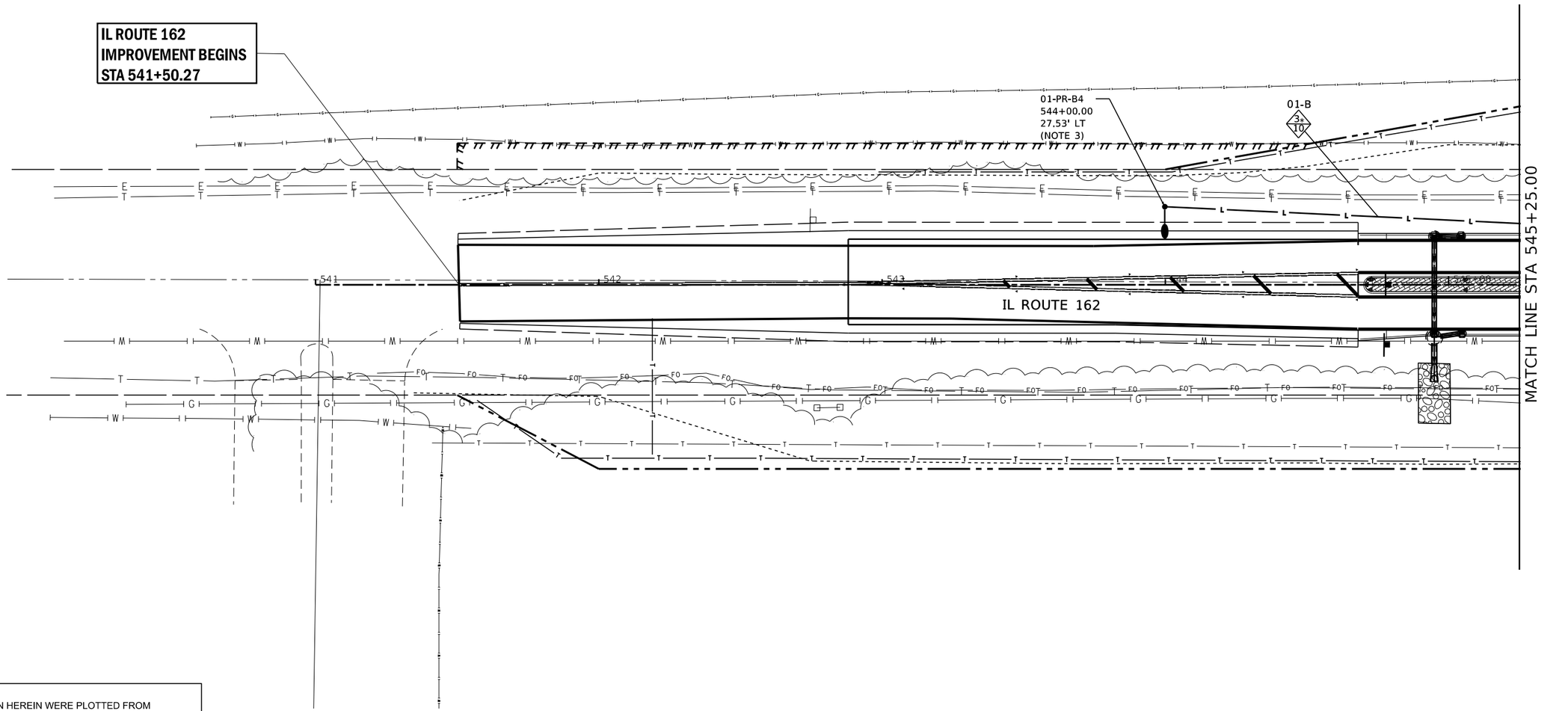
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	61
* FAP-586/FAU 8898		CONTRACT NO. 97877		
ILLINOIS	FED. AID PROJECT			

GENERAL NOTES (THIS SHEET):

1. THE PROPOSED ROUTING OF PROPOSED ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN ON THE PLAN SHEET ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

2. LIGHT POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD, IF NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY; HOWEVER, THE CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL LIGHT POLE FOUNDATIONS WITH THE CITY OF TROY'S PROJECT CONSTRUCTION REPRESENTATIVE AFTER ALL UTILITIES HAVE BEEN FIELD LOCATED AND/OR EXPOSED. CONTRACTOR SHALL ENSURE ALL PROPOSED FOUNDATIONS ARE INSTALLED IN LOCATIONS THAT WILL PROVIDE NO LESS THAN 3 FT. SEPARATION BETWEEN BACK OF CURB AND CENTER OF THE PROPOSED LIGHT POLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

3. DENOTED LIGHT POLE ASSEMBLY SHALL INCLUDE A HOUSE SIDE SHIELD FOR THE LUMINAIRE.



UTILITY NOTE:
THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION IMPROVEMENTS.

0 20 40 60
SCALE IN FEET

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	62
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: sheet 1
FILE NAME: S:\Projects\418-2015-01\IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-sht-FULLCLOSURE-LightingPlanSht.dgn

GENERAL NOTES (THIS SHEET):

1. DENOTED PROPOSED POWER POLE ASSUMED SERVICE DROP LOCATION. COORDINATION WITH AMEREN ILLINOIS IS REQUIRED TO VERIFY FINAL LOCATION FOR NEW ELECTRIC SERVICE DROP.

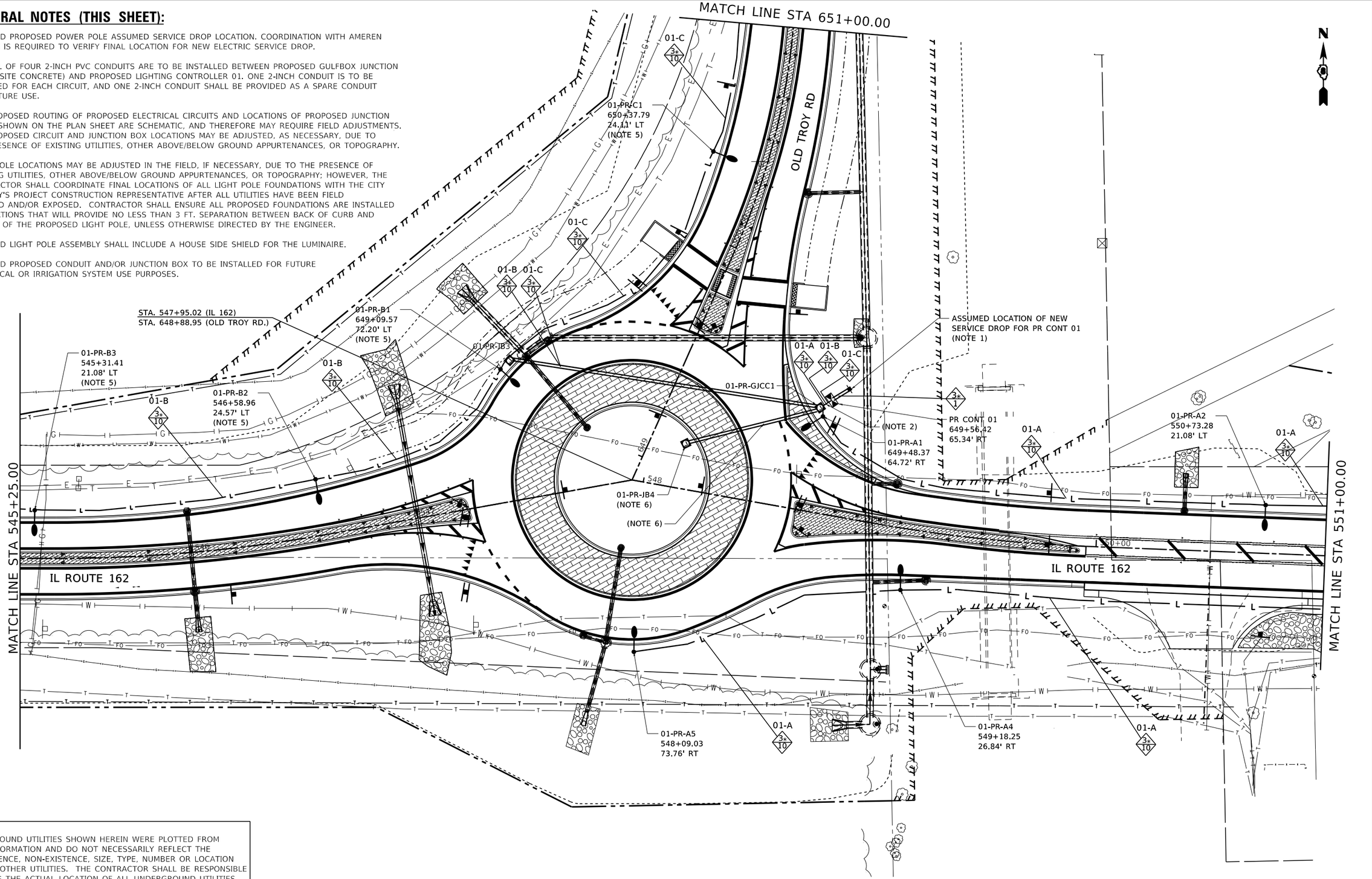
2. A TOTAL OF FOUR 2-INCH PVC CONDUITS ARE TO BE INSTALLED BETWEEN PROPOSED GULFBOX JUNCTION (COMPOSITE CONCRETE) AND PROPOSED LIGHTING CONTROLLER 01. ONE 2-INCH CONDUIT IS TO BE PROVIDED FOR EACH CIRCUIT, AND ONE 2-INCH CONDUIT SHALL BE PROVIDED AS A SPARE CONDUIT FOR FUTURE USE.

3. THE PROPOSED ROUTING OF PROPOSED ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN ON THE PLAN SHEET ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

4. LIGHT POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD, IF NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY; HOWEVER, THE CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL LIGHT POLE FOUNDATIONS WITH THE CITY OF TROY'S PROJECT CONSTRUCTION REPRESENTATIVE AFTER ALL UTILITIES HAVE BEEN FIELD LOCATED AND/OR EXPOSED. CONTRACTOR SHALL ENSURE ALL PROPOSED FOUNDATIONS ARE INSTALLED IN LOCATIONS THAT WILL PROVIDE NO LESS THAN 3 FT. SEPARATION BETWEEN BACK OF CURB AND CENTER OF THE PROPOSED LIGHT POLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

5. DENOTED LIGHT POLE ASSEMBLY SHALL INCLUDE A HOUSE SIDE SHIELD FOR THE LUMINAIRE.

6. DENOTED PROPOSED CONDUIT AND/OR JUNCTION BOX TO BE INSTALLED FOR FUTURE ELECTRICAL OR IRRIGATION SYSTEM USE PURPOSES.



UTILITY NOTE:
THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION IMPROVEMENTS.

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 2 OF 4 SHEETS

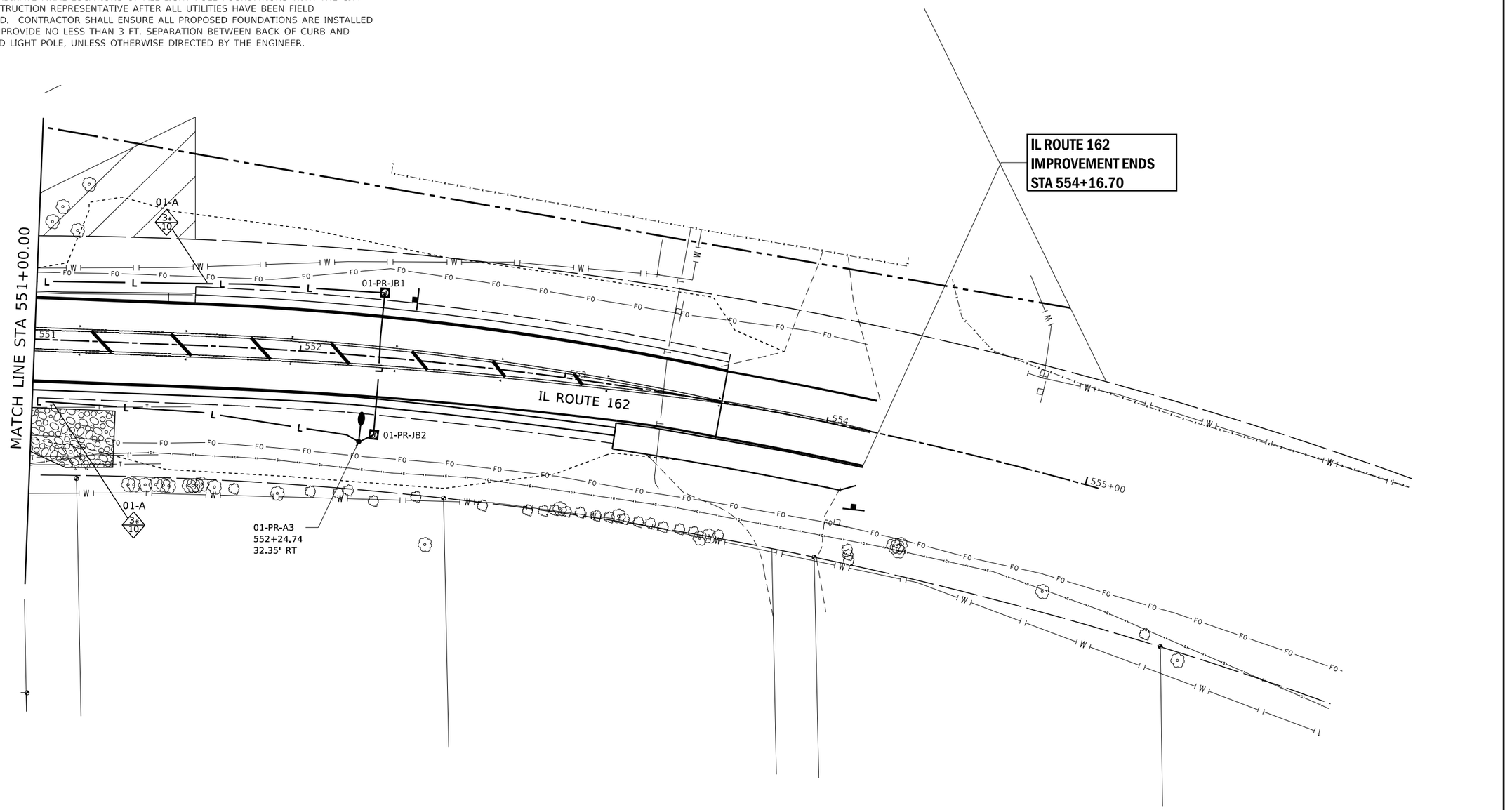
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	63
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: sheet 2
FILE NAME: S:\Projects\418-0015-01HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBPABS8=sht=FULLCLOSURE-LightingPlanSht5.dgn

GENERAL NOTES (THIS SHEET):

1. THE PROPOSED ROUTING OF PROPOSED ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN ON THE PLAN SHEET ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

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0 20 40 60
SCALE IN FEET

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	64
* FAP-586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS	FED. AID PROJECT		

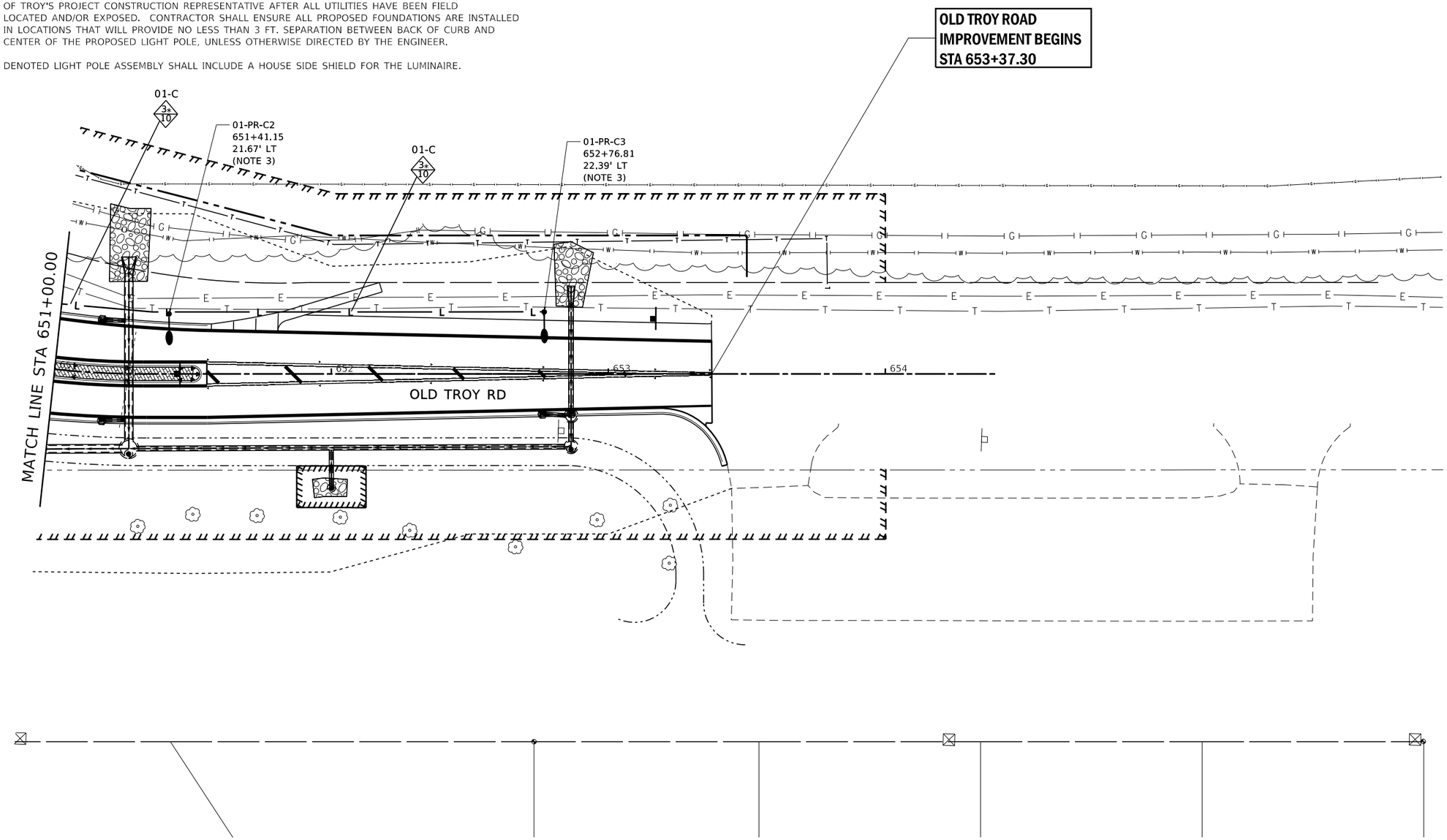
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GENERAL NOTES (THIS SHEET):

1. THE PROPOSED ROUTING OF PROPOSED ELECTRICAL CIRCUITS AND LOCATIONS OF PROPOSED JUNCTION BOXES SHOWN ON THE PLAN SHEET ARE SCHEMATIC, AND THEREFORE MAY REQUIRE FIELD ADJUSTMENTS. THE PROPOSED CIRCUIT AND JUNCTION BOX LOCATIONS MAY BE ADJUSTED, AS NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY.

2. LIGHT POLE LOCATIONS MAY BE ADJUSTED IN THE FIELD, IF NECESSARY, DUE TO THE PRESENCE OF EXISTING UTILITIES, OTHER ABOVE/BELOW GROUND APPURTENANCES, OR TOPOGRAPHY; HOWEVER, THE CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL LIGHT POLE FOUNDATIONS WITH THE CITY OF TROY'S PROJECT CONSTRUCTION REPRESENTATIVE AFTER ALL UTILITIES HAVE BEEN FIELD LOCATED AND/OR EXPOSED. CONTRACTOR SHALL ENSURE ALL PROPOSED FOUNDATIONS ARE INSTALLED IN LOCATIONS THAT WILL PROVIDE NO LESS THAN 3 FT. SEPARATION BETWEEN BACK OF CURB AND CENTER OF THE PROPOSED LIGHT POLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

3. DENOTED LIGHT POLE ASSEMBLY SHALL INCLUDE A HOUSE SIDE SHIELD FOR THE LUMINAIRE.



UTILITY NOTE:
THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION IMPROVEMENTS.

0 20 40 60
SCALE IN FEET

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618 667-1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
IL ROUTE 162 AND OLD TROY ROAD

SCALE: | SHEET 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	65
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: sheet 4
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Illinois Department of Transportation

Print Form | Reset Form

Luminaire Performance Table

Project

Date	Contract Number	Section Number	County
07/31/25	FAP-586/FAU 8898	17-00034-00-PV	Madison

Marked Route Number	Municipality
Il 162	IDOT

Roadway

Lane Width (see note 4)	Number and Direction of lanes	Median Width	Surface Classification	Q-Zero Value
12 ft	2 Lanes	8 ft	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back (see note 1)	Number of Luminaries
40 ft	6 ft	4 ft	1

Luminaire

Description	Transverse Distribution	Lateral Distribution
LED Roadway, Output Distribution H	Type III	Medium

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing	Configuration
140 ft	Single Sided

Performance (see notes 5 and 6)

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}
1.8	3:1

Average Luminance, L_{AVE} (cd/m²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.8	1.5	1.5	0.3

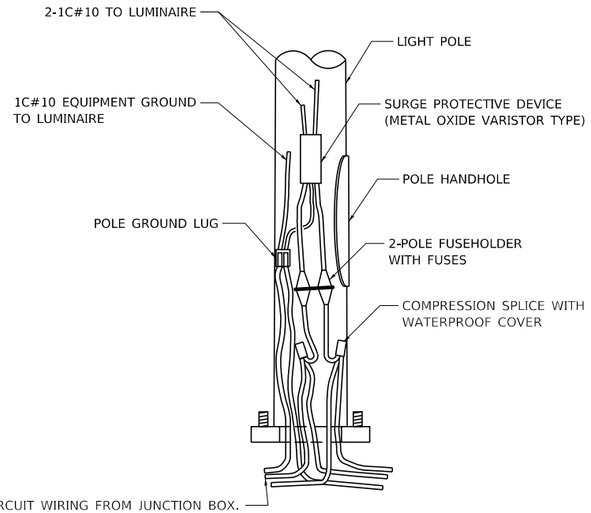
Light Tresspass (see notes 5 and 7)

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
40'	0.2 fc	0.2 fc

Notes

Printed 09/29/25

BDE 5630 (Rev. 06/06/24)

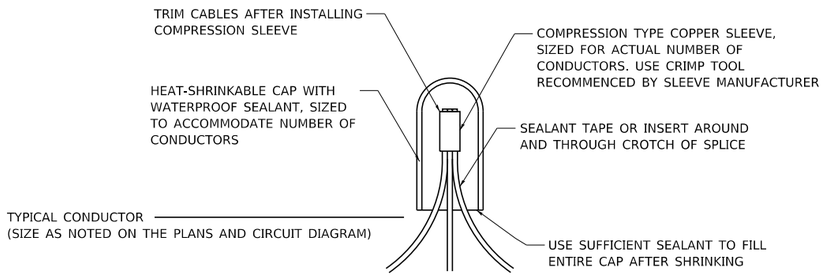


NOTES:

1. 1C#10 LIGHT POLE WIRING SHOWN IS INCLUDED IN THE LUMINIARE PAY ITEM.
2. CONDUCTOR SLACK IS REQUIRED BUT NOT SHOWN. CONDUCTOR SLACK IN LIGHT POLES SHALL BE OF A LENGTH SUFFICIENT TO BE WITHDRAWN A MINIMUM OF 18" OUT OF POLE HANDHOLE.

LIGHT POLE WIRING DETAIL

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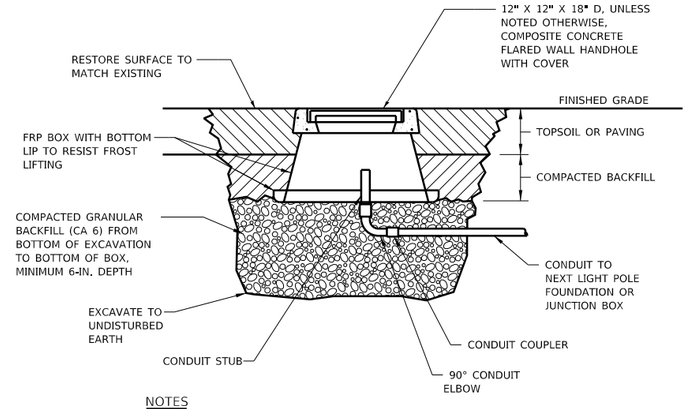


NOTES:

1. NUMBER OF CONDUCTORS IN SPLICE MAY VARY.
2. PROVIDE WATERPROOF SPLICE FOR ALL SPLICES AND TERMINATIONS. SPLICES SHALL BE ACCORDING TO ARTICLE 1066.06(b).

WATERPROOF SPLICE DETAIL

SCALE: N.T.S.



NOTES

1. PROVIDE JUNCTION BOX ACCORDING TO STANDARD SPECIFICATIONS SECTION 813.
2. INSTALL TOP FLUSH WITH FINISHED GRADE. MATCH SLOPE OF FINISHED GRADE.
3. CONDUITS ENTERING JUNCTION BOX SHALL BE VERTICAL AND PERPENDICULAR TO BOTTOM OF BOX. POSITION CONDUITS NEAR CENTER OF BOX.

JUNCTION BOX (SPECIAL) DETAIL

SCALE: N.T.S.

MODEL: DET 02
FILE NAME: S:\Projects\418-0015-0HY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\08FAP586-IHI-FULLCLOSURE-LightingDetails.dgn

LOCHMUELLER GROUP
105 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

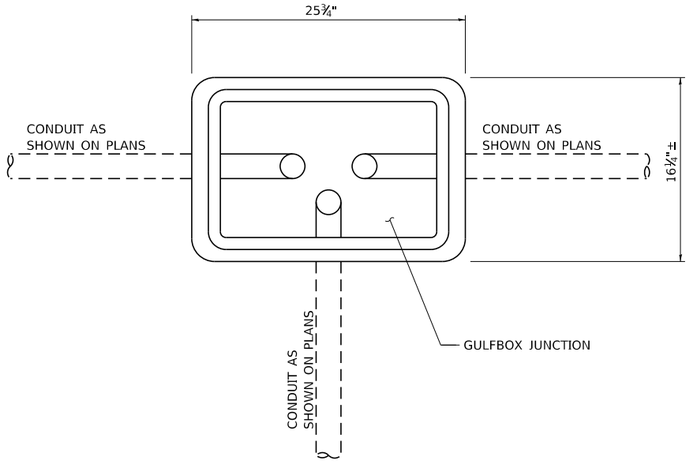
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	DRAWN - WJS	REVISED -
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PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

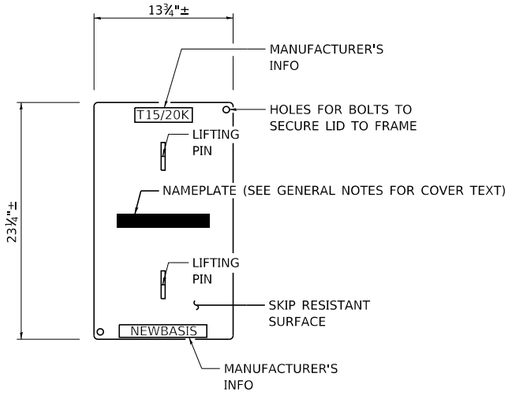
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	67
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



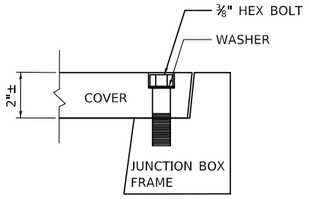
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SCALE: N.T.S.



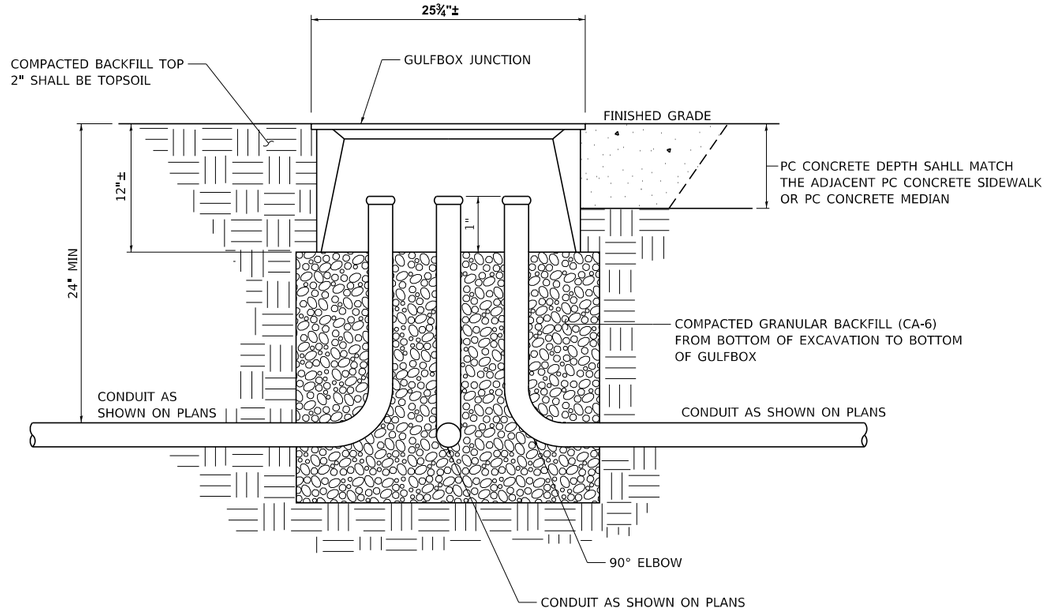
COVER

SCALE: N.T.S.



COVER SECURING DETAIL

SCALE: N.T.S.



NOTES:

1. SEE SPECIAL PROVISIONS FOR ADDITIONAL GULFBOX SPECIFICATIONS.
2. DIMENSIONS SHOWN ARE FOR A NEWBASIS FCA132412T-00006 GULFBOX, SIMILAR UNITS WILL BE ALLOWED AS APPROVED BY THE ENGINEER.
3. CONDUITS ENTERING GULFBOX SHALL BE VERTICAL AND PLUMB. POSITION ALL CONDUITS NEAR THE CENTER OF THE GULFBOX.
4. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR GULFBOX JUNCTION, COMPOSITE CONCRETE, WHICH PRICE WILL BE PAYMENT IN FULL FOR ALL LABOR, EQUIPMENT AND MATERIALS TO FURNISH AND INSTALL THE GULFBOX.
5. INFORMATION SHOWN ON THE DETAILS IS DIAGRAMMATIC AND REPRESENTS A TYPICAL SITUATION. CONTRACTOR TO VERIFY EXACT NUMBER OF CONDUITS ENTERING AND LEAVING THE GULFBOX AS SHOWN ON THE PLANS.

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.3400

USER NAME = Chris.Wilson	DESIGNED - NMN	REVISED -
	DRAWN - WJS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TWK	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	68
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

MODEL: DET 03
FILE NAME: S:\Projects\418-0015-0nn\ IL 162 and Old Troy Rd Roundabout\Dets\CADD Sheets\D8FAP586-IN-FULLCLOSURE-LightingDetails.dgn

LEGEND

A1 — PR LIGHT POLE ASSEMBLY

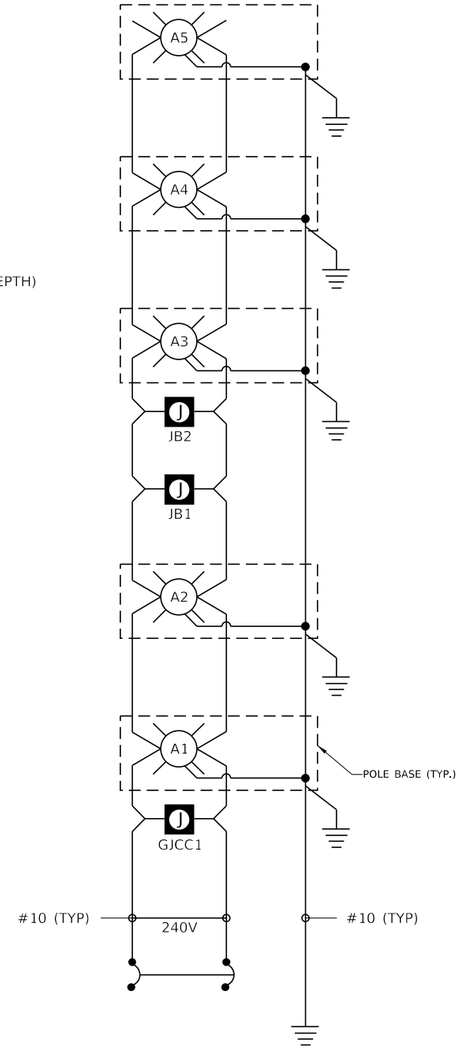
J — PR JUNCTION BOX OR GULFBOX JUNCTION

PR GROUND CONNECTION

PR GROUND ROD

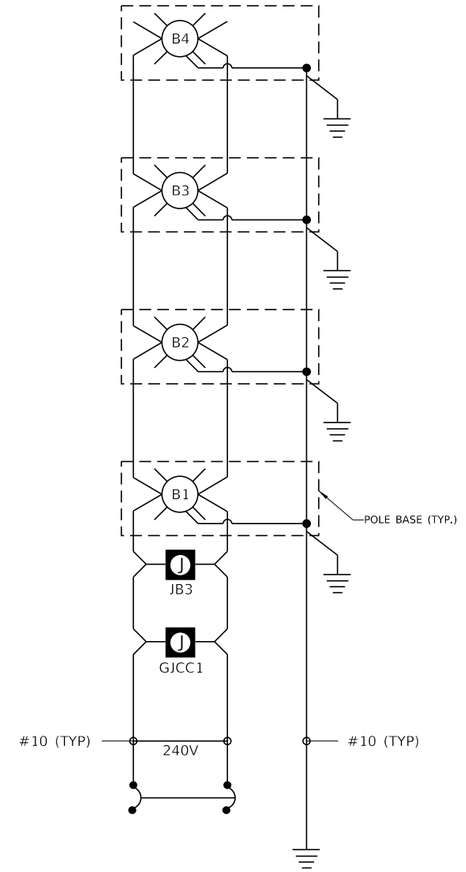
PR 2-POLE, 15-AMP BREAKER

PR CONCRETE FOUNDATION (30" DIA. X 6 FT DEPTH)



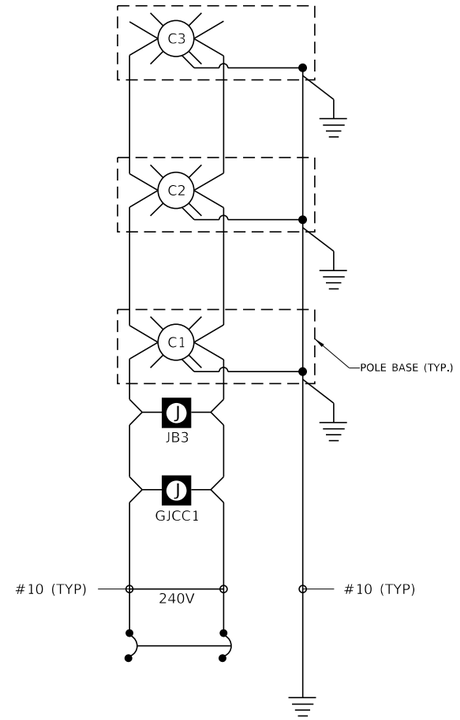
2-POLE, 15-AMP BREAKER
CIRCUIT A

WIRING DIAGRAM
CIRCUIT A



2-POLE, 15-AMP BREAKER
CIRCUIT B

WIRING DIAGRAM
CIRCUIT B



2-POLE, 15-AMP BREAKER
CIRCUIT C

WIRING DIAGRAM
CIRCUIT C

MODEL: DET 04
FILE NAME: S:\Projects\418-00015-04Y IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\03FAP586-Int-FULLCLOSURE-LightingDetails.dgn

LOCHMUELLER GROUP
105 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

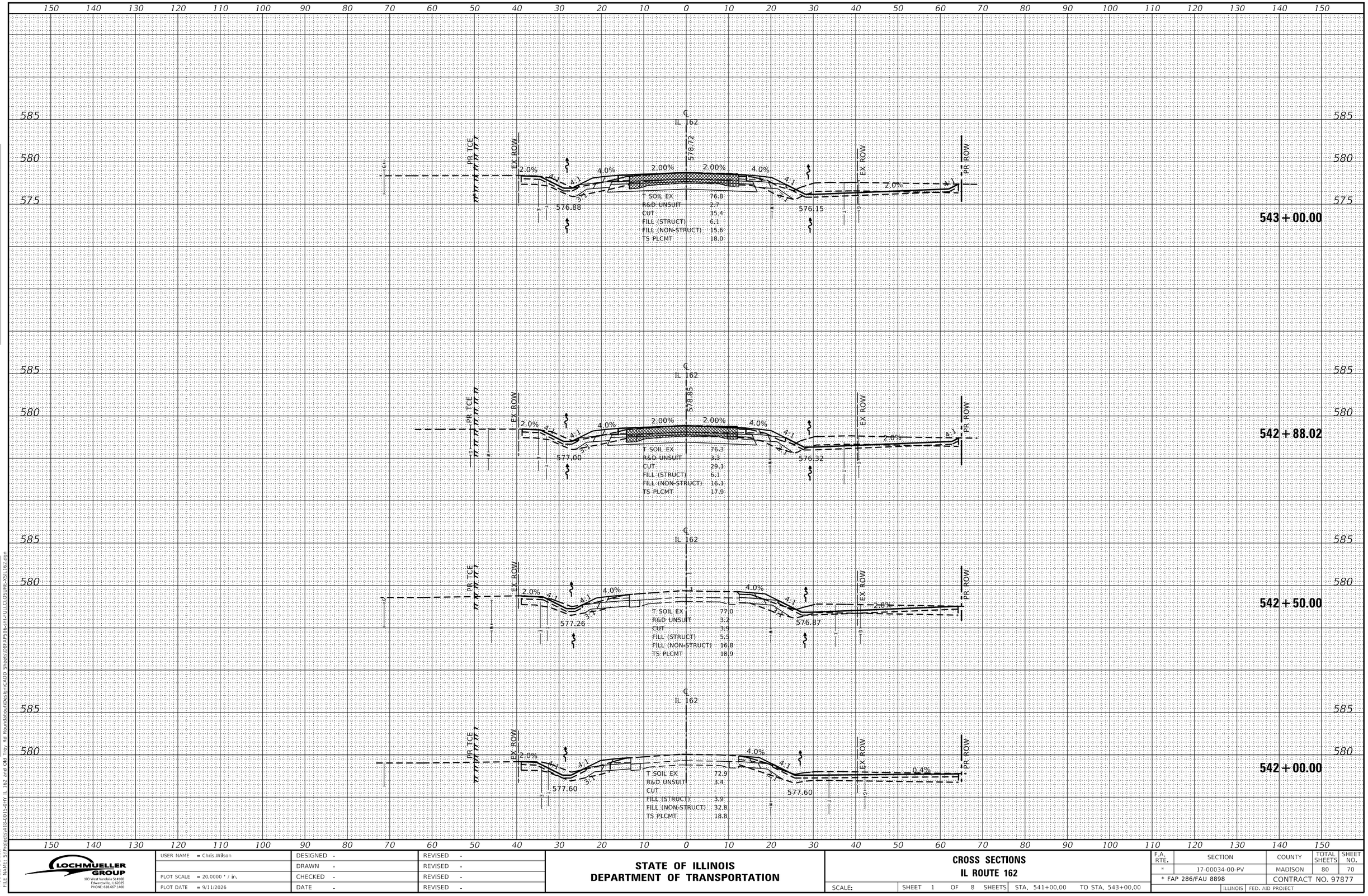
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PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	69
*	FAP-586/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

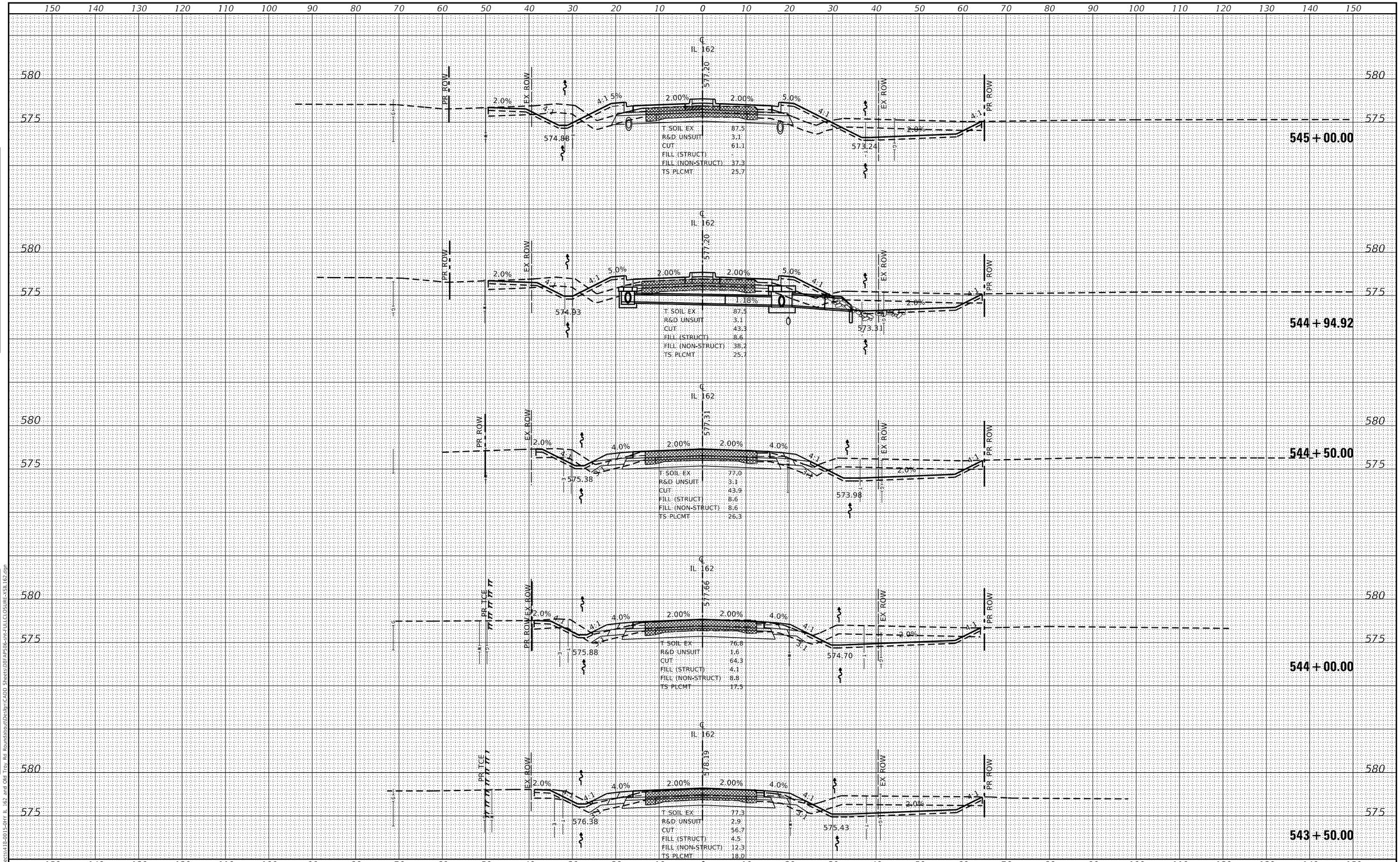
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PLOT DATE = 9/11/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 1 OF 8 SHEETS | STA. 541+00.00 | TO STA. 543+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	70
* FAP 286/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

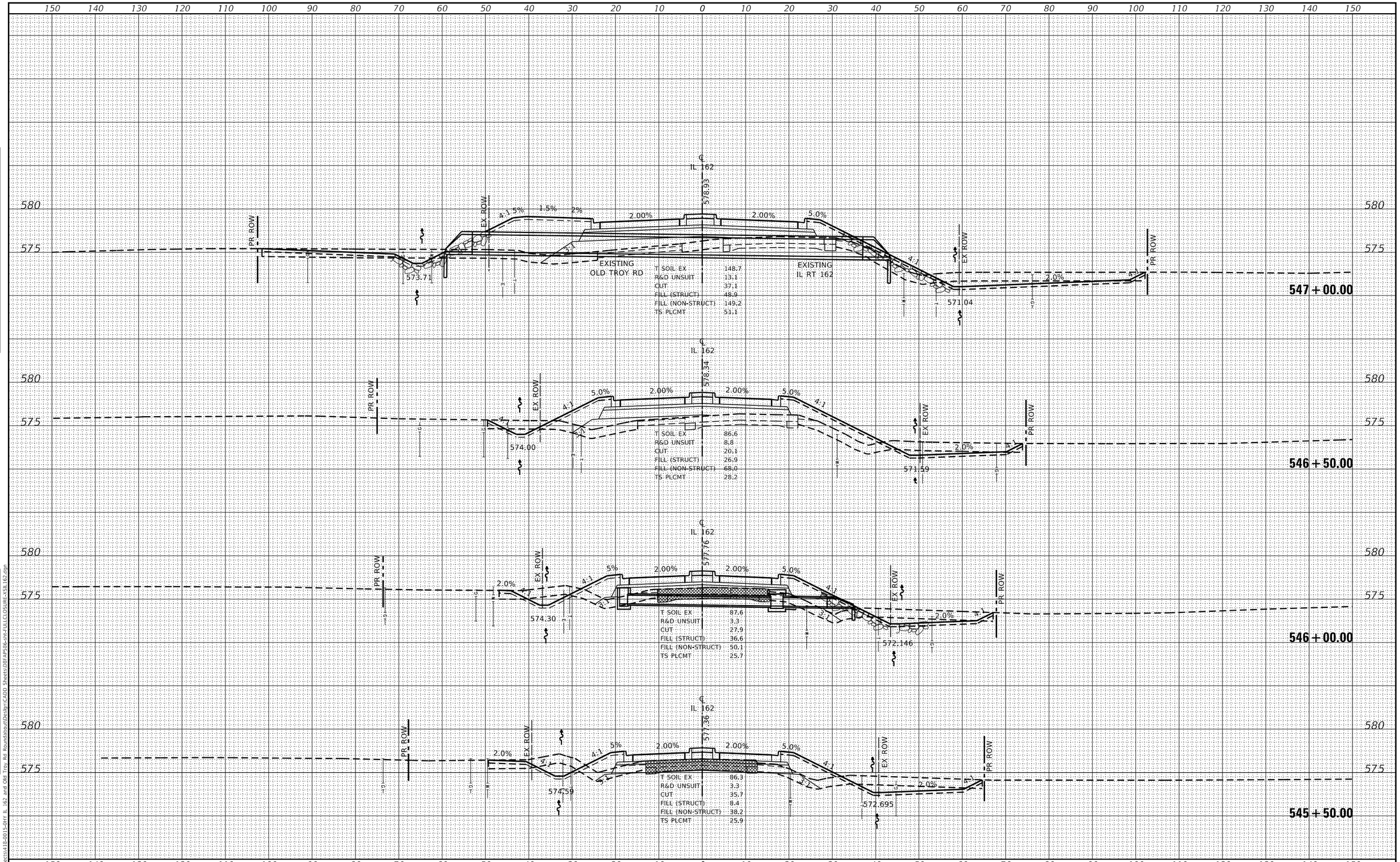
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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 2 OF 8 SHEETS | STA. 543+50.00 | TO STA. 545+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	71
* FAP 286/FAU 8898		CONTRACT NO. 97877		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

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LOCHMUELLER GROUP
103 West Vandalia St #320
Edwardsville, IL 62025
PHONE: 618.667.1400

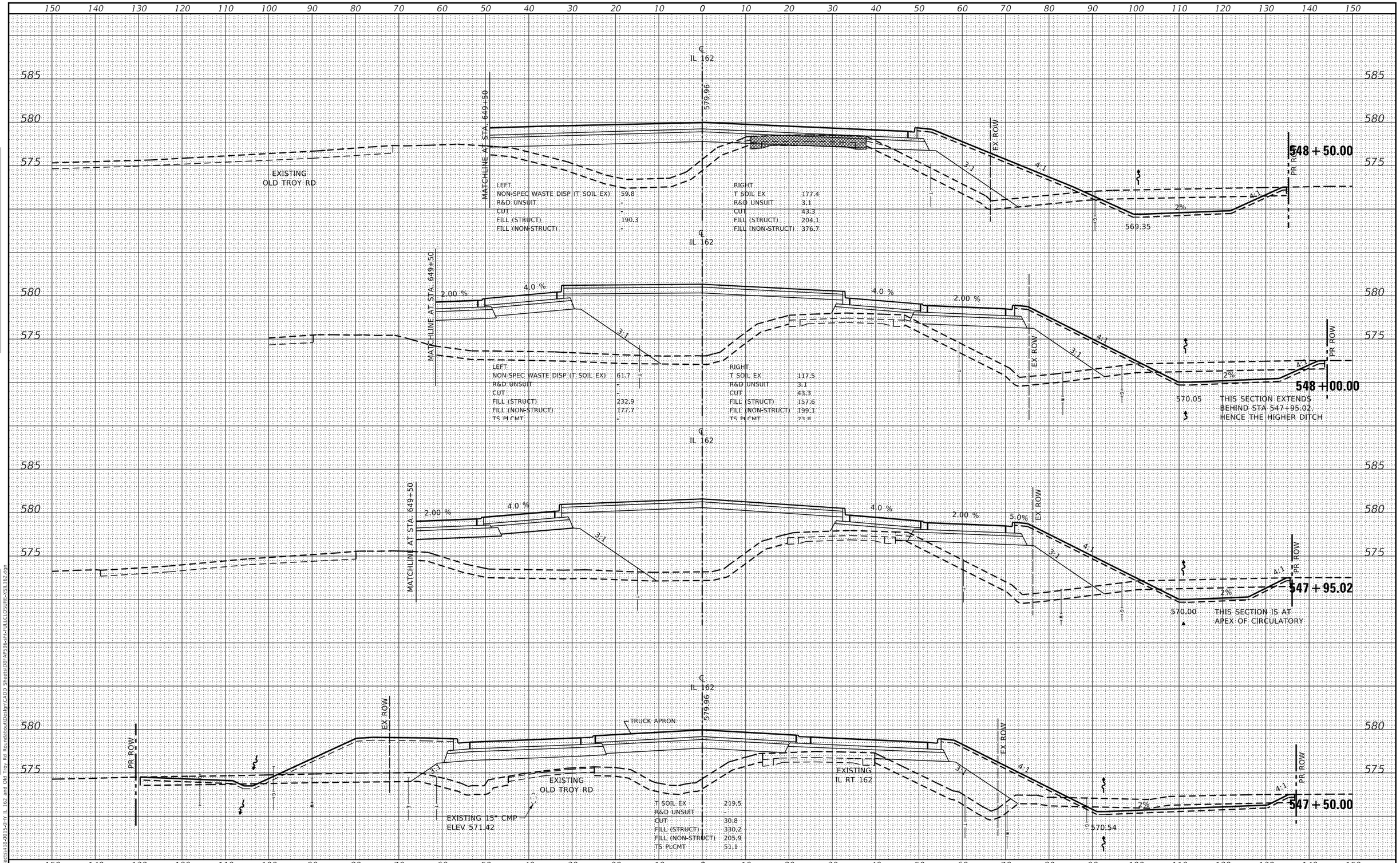
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	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/11/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 3 OF 8 SHEETS | STA. 545+50.00 | TO STA. 547+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	72
*	FAP 286/FAU 8898	CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			



USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

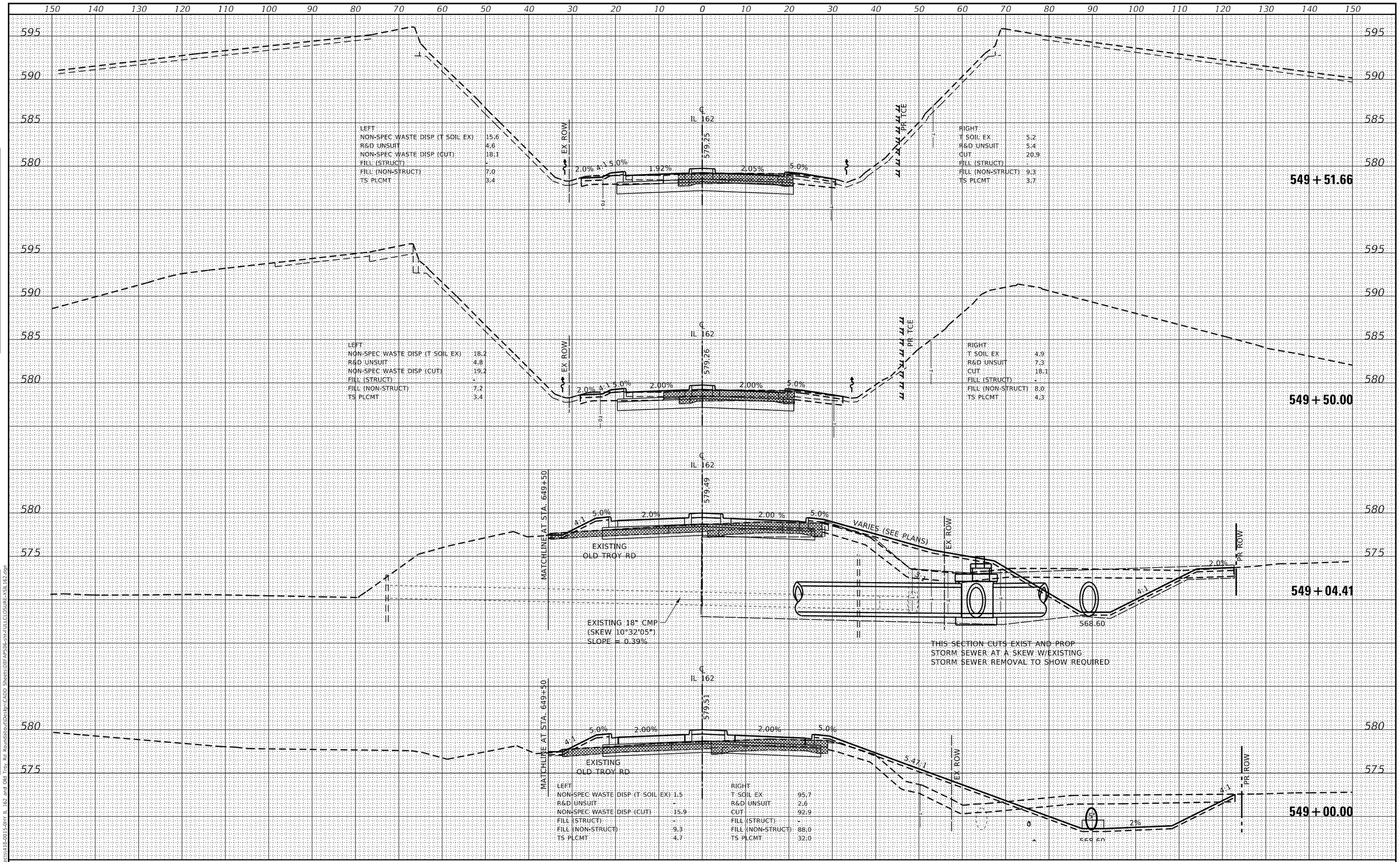
SCALE: | SHEET 4 OF 8 SHEETS | STA. 547+50.00 | TO STA. 548+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	73
* FAP 286/FAU 8898		CONTRACT NO. 97877		
ILLINOIS	FED. AID PROJECT			

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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FINAL SURVEY / ORIGINAL SURVEY

NOTE BOOK	SURVEYED	BY
NO.	PLOTTED	DATE
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

MODEL: Default
FILE NAME: S:\Projects\418-0015-01\IHY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\DBFAP586-int-FULLCLOSURE-XSIL162.dgn

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/11/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 5 OF 8 SHEETS | STA. 549+00.00 | TO STA. 549+51.66

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	74
* FAP 286/FAU 8898		CONTRACT NO. 97877		
		ILLINOIS	FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

580 575 570

℄ IL 162

578.53

5.0% 1.15% -2.07% 4.0% 6.0%

3:2:1 3:1 3:1 3:1 3:1

SKEWED SECTION

EX ROW

EX ROW

PR TCE

EXISTING 3'X3' RCBC
(SKEW 32°11'55")
SLOPE = 0.17%

550 + 89.06
(SKEW)
32°11'55"

℄ IL 162

578.76

EX ROW

5.0% 0.05% 2.00% 4.0% 10.3%

3' SHLD

COMMERCIAL/
PRIVATE
ENTRANCE

DEDICATED
ROW

PR TCE

3:1 3:1

T SOIL EX	39.2
R&D UNSUIT	39.6
CUT	39.2
FILL (STRUCT)	-
FILL (NON-STRUCT)	25.3
TS PLCMT	10.5

EXISTING 30" CMP
ELEV 567.15

550 + 50.00
CE (RT)

℄ IL 162

579.01

EX ROW

2% 4:1 5.0% 1.51% 2.00% 4.0%

PR TCE

T SOIL EX	40.5
R&D UNSUIT	7.1
CUT	39.6
FILL (STRUCT)	-
FILL (NON-STRUCT)	20.3
TS PLCMT	5.2

550 + 00.00

595 590 585 580

℄ IL 162

579.21

EX ROW

2.0% 4:1 5.0% 1.93% 2.04% 5.0%

PR TCE

T SOIL EX	22.8
R&D UNSUIT	4.9
CUT	40.9
FILL (STRUCT)	-
FILL (NON-STRUCT)	14.7

549 + 61.51

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

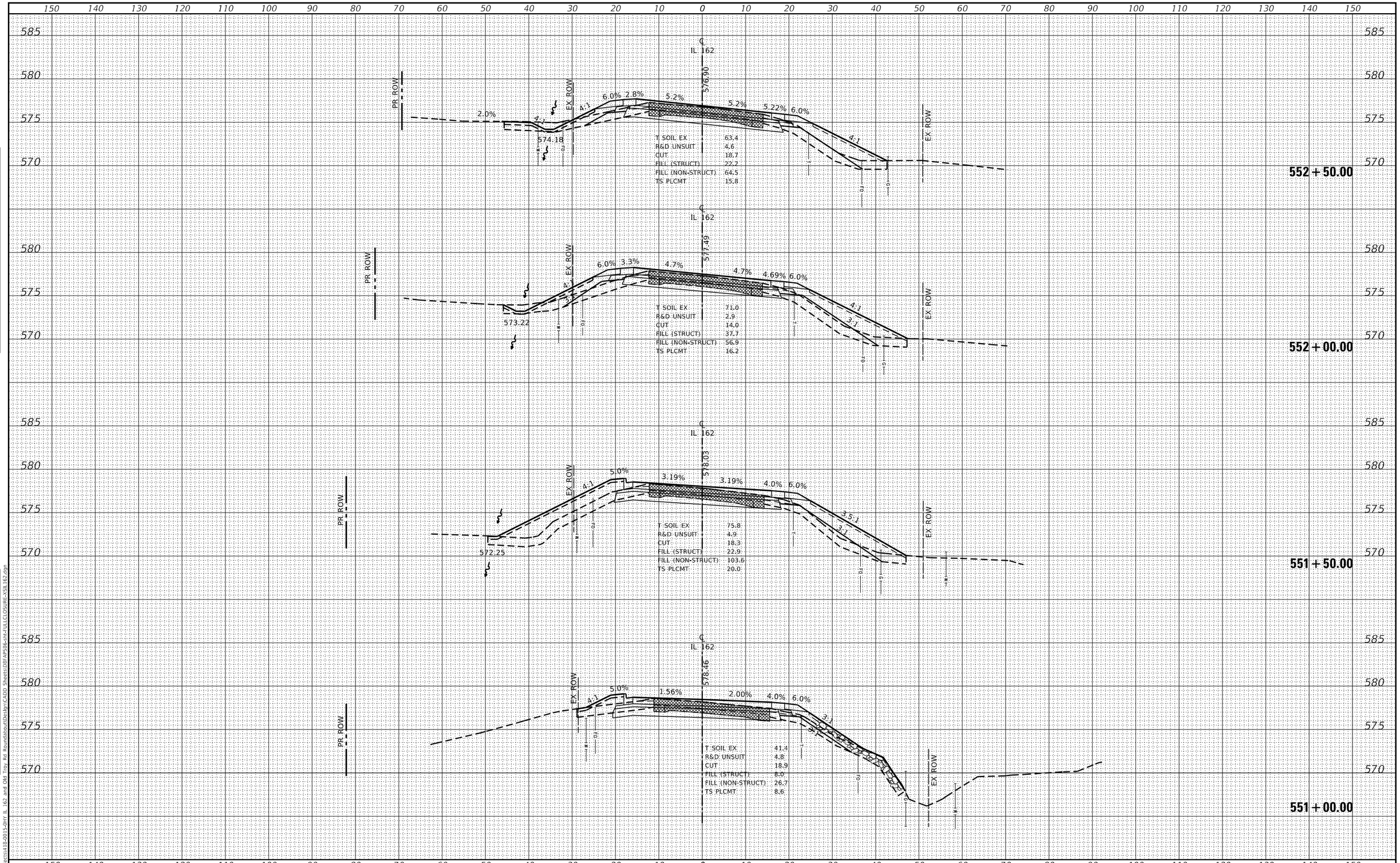
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	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 6 OF 8 SHEETS | STA. 549+61.51 | TO STA. 550+89.06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	75
*	FAP 286/FAU 8898	CONTRACT NO. 97877		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED
PLOTTED	TEMPLATE	
TEMPLATE	AREAS	
AREAS		

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED
PLOTTED	TEMPLATE	
TEMPLATE	AREAS	
AREAS		

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 7 OF 8 SHEETS | STA. 551+00.00 | TO STA. 552+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	76
* FAP 286/FAU 8898		CONTRACT NO. 97877		
ILLINOIS	FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

580 575

555 + 00.00

C
IL 162

554 + 50.00

C
IL 162

PR ROW

EX ROW

1.66%

EX ROW

T SOIL EX -
R&D UNSUIT 5.0
CUT 4.6
FILL (STRUCT) -
FILL (NON-STRUCT) -

554 + 00

C
IL 162

PR ROW

EX ROW

575.58

4:1 4:1 6.0% 3.39% 4.61% 5.90% 4.0%

574.51

EX ROW

T SOIL EX 15.0
R&D UNSUIT 1.3
CUT 36.9
FILL (STRUCT) -
FILL (NON-STRUCT) 4.6
TS PLCMT 2.0

553 + 59.81

C
IL 162

PR ROW

EX ROW

575.70

2.0% 6.0% 3.25% 4.75% 5.71% 4.0%

574.48

EX ROW

T SOIL EX 33.1
R&D UNSUIT 4.4
CUT 36.6
FILL (STRUCT) -
FILL (NON-STRUCT) 16.4
TS PLCMT 7.5

553 + 50.00

C
IL 162

PR ROW

EX ROW

576.30

2.0% 6.0% 2.8% 5.2% 5.2% 5.23% 6.0%

574.33

EX ROW

T SOIL EX 66.0
R&D UNSUIT 4.4
CUT 26.9
FILL (STRUCT) -
FILL (NON-STRUCT) 36.3
TS PLCMT 14.6

553 + 00.00

580 575

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

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LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

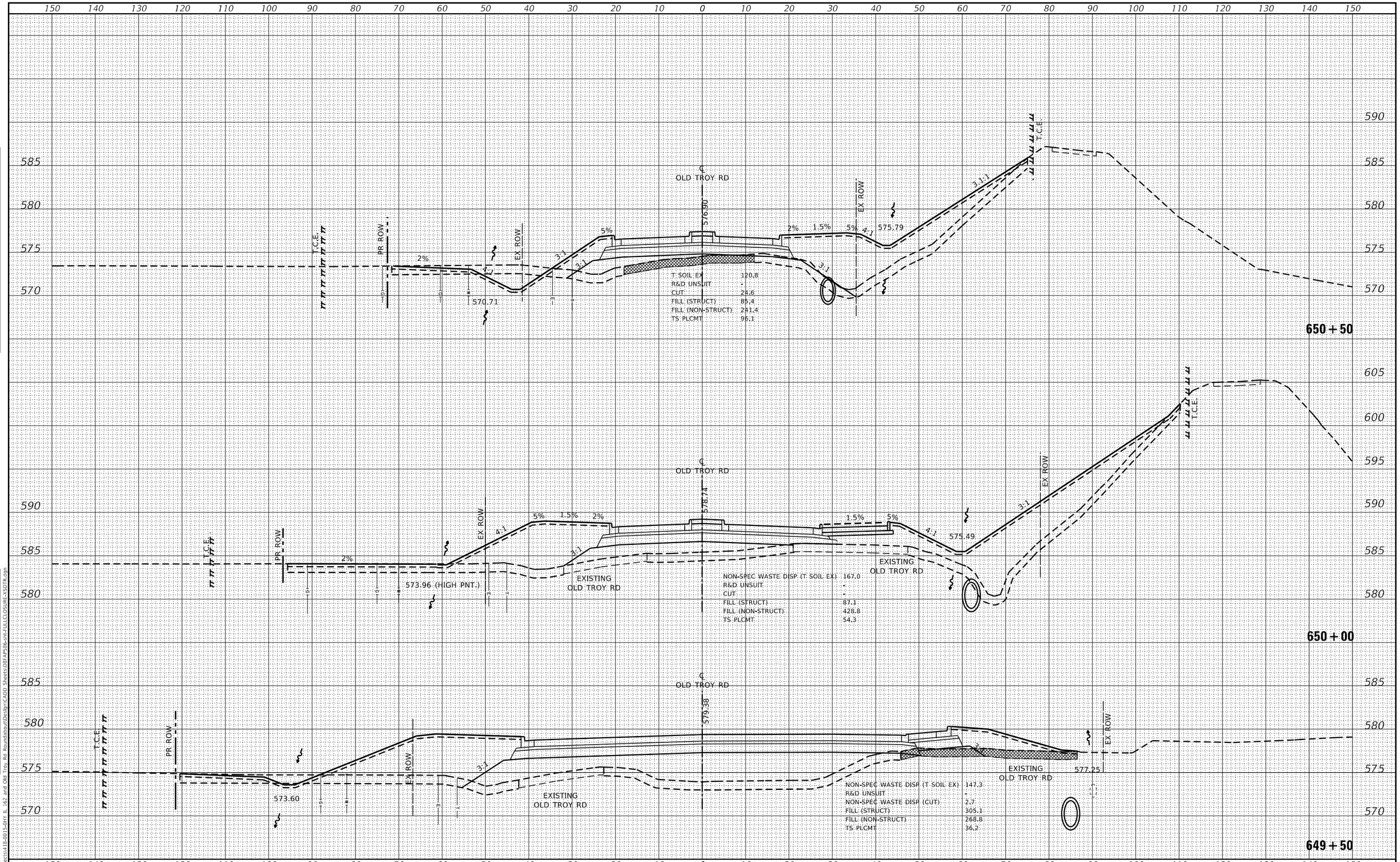
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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL ROUTE 162

SCALE: | SHEET 8 OF 8 SHEETS | STA. 553+00.00 | TO STA. 555+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	77
*	FAP 286/FAU 8898	CONTRACT NO. 97877		
		ILLINOIS	FED. AID PROJECT	



USER NAME = Chris.Wilson	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	**CROSS SECTIONS** **OLD TROY ROAD**
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	SCALE:
PLOT DATE = 9/11/2026	DATE -	REVISED -	SHEET 1 OF 3 SHEETS STA. 648+88.95 TO STA. 649+50.00

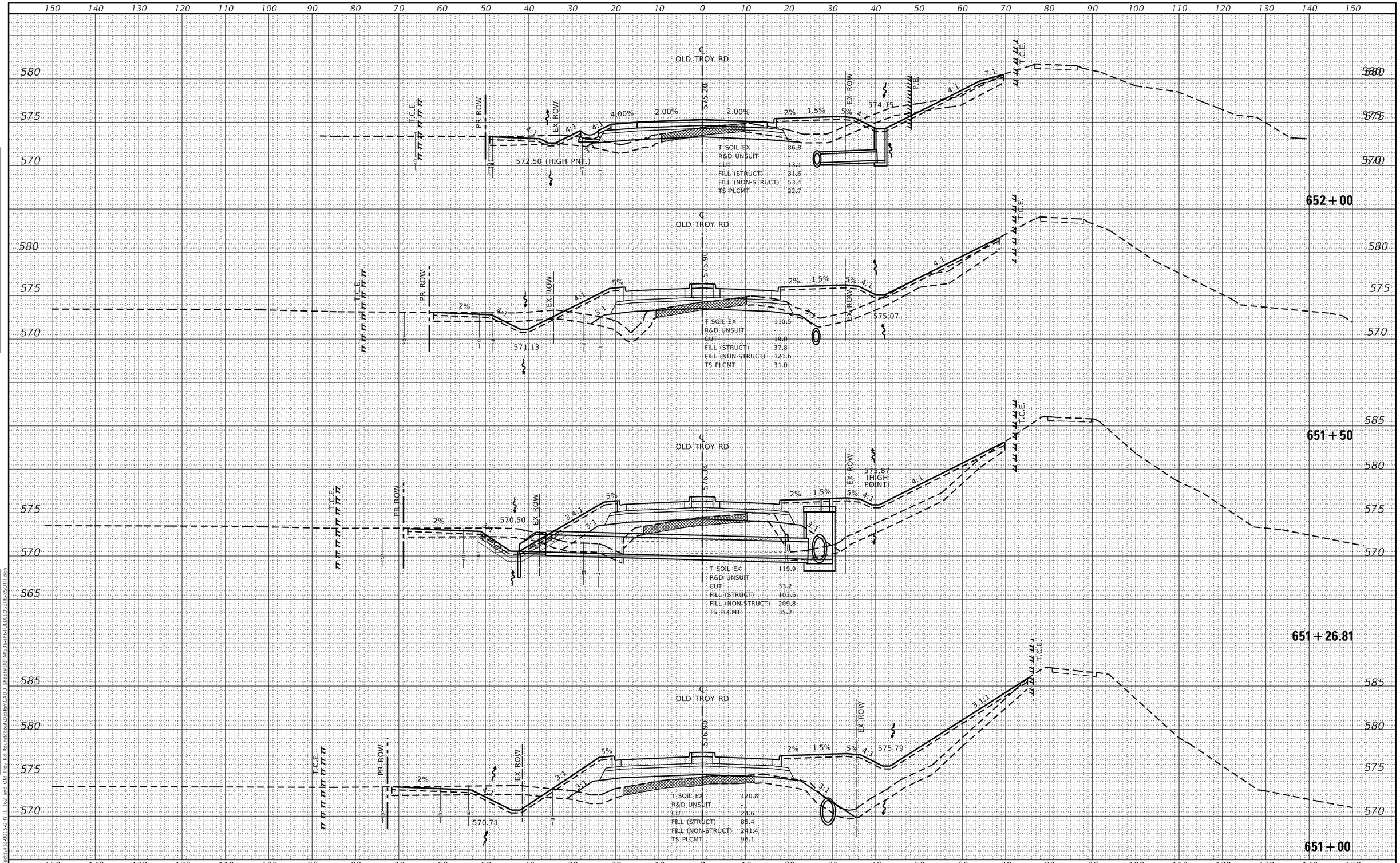
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	78
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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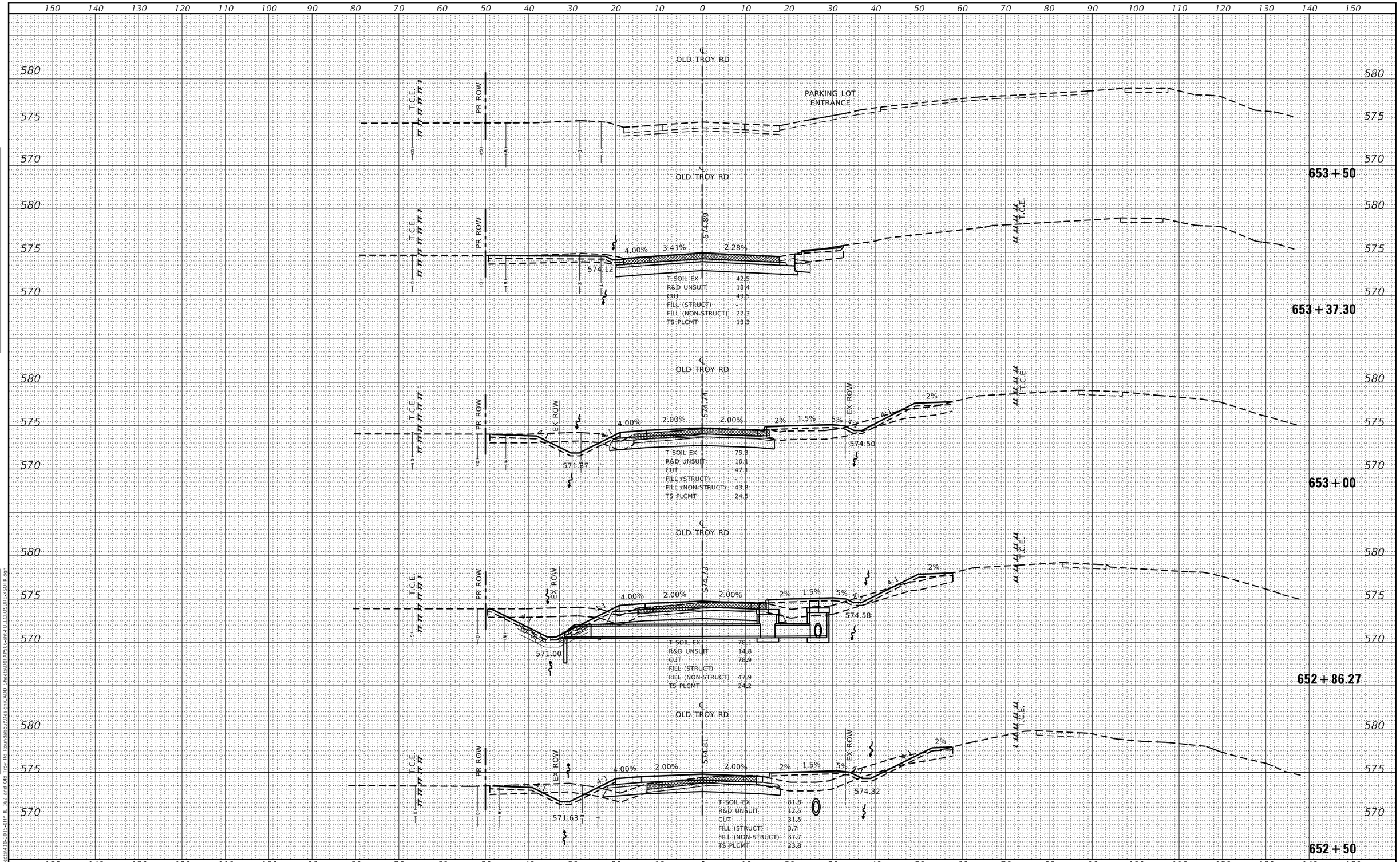
LOCHMUELLER GROUP 103 West Vandalia St #100 Edwardsville, IL 62025 PHONE: 618.667.1400	USER NAME = Chris.Wilson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS OLD TROY ROAD
		DRAWN -	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 9/11/2026	DATE -	REVISED -		SCALE: SHEET 2 OF 3 SHEETS STA. 650+00.00 TO STA. 651+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
"	17-00034-00-PV	MADISON	80	79
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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USER NAME = Chris.Wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/11/2026	DATE -	REVISED -	

LOCHMUELLER GROUP
103 West Vandalia St #100
Edwardsville, IL 62025
PHONE: 618.667.1400

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
OLD TROY ROAD

SCALE: | SHEET 3 OF 3 SHEETS | STA. 651+26.81 | TO STA. 652+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	17-00034-00-PV	MADISON	80	80
* FAP 586/FAU 8898		CONTRACT NO. 97877		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

MODEL: Default
FILE NAME: S:\Projects\5418-0015-01\IHY IL 162 and Old Troy Rd Roundabout\Design\CADD Sheets\IDBFAP586-int-FULLCLOSURE-XSOTR.dgn