F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	1
	COWU(521)	ILLINOIS	CONTRACT NO. 61F94	

01-17-2020 LETTING ITEM 132

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP 846A (IL ROUTE 53)
AT MUN 1003 (ST LOUIS STREET)
INTERSECTION IMPROVEMENT
SECTION: 07–00019–00–CH
PROJECT: COWU(521)
VILLAGE OF ELWOOD
WILL COUNTY
C–91–059–08



HIGHWAY CLASSIFICATION
ST LOUIS STREET – LOCAL ROAD
IL ROUTE 53 – PRINCIPAL ARTERIAL

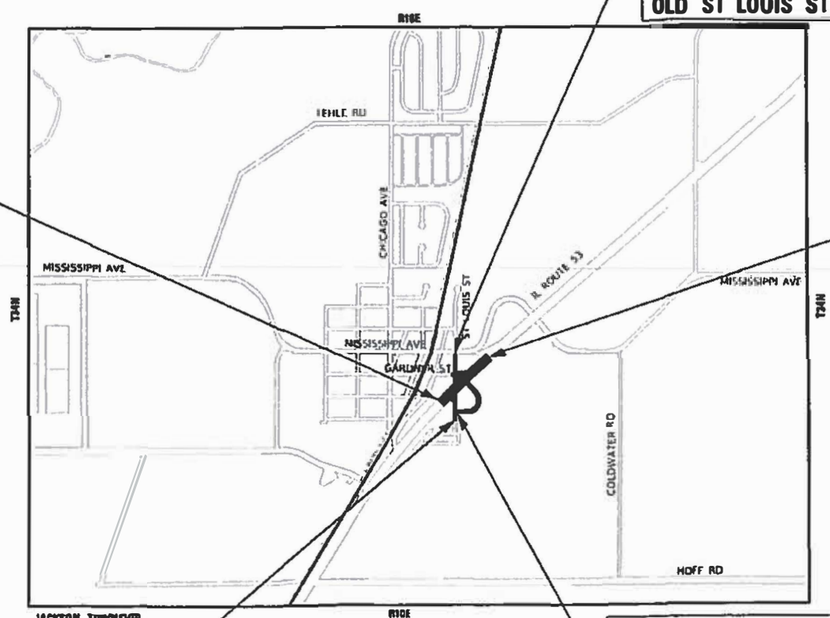
TRAFFIC DATA
ST LOUIS STREET
2018 ADT = 500 2040 ADT = 2,200
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH (NORTH LEG)
DESIGN SPEED LIMIT = 25 MPH (SOUTH LEG)

IL ROUTE 53
2018 ADT = 10,700 2040 ADT = 24,000
POSTED SPEED LIMIT = 55 MPH
DESIGN SPEED LIMIT = 60 MPH

END PROJECT –
ST LOUIS ST STA. 105+70.00
OLD ST LOUIS ST STA. 316+41.60

BEGIN IMPROVEMENT – IL RTE 53
STA 402+45.00

END IMPROVEMENT – IL RTE 53
STA 414+34.30



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 3,793 FT. = 0.72 MILE
NET LENGTH = 3,793 FT. = 0.72 MILE

BEGIN IMPROVEMENT –
OLD ST LOUIS ST
STA 305+20.00

BEGIN PROJECT – ST LOUIS ST
STA. 90+88.00



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. DESIGN STAGE REQUEST
DIG. No. A3102364/A3102377

Call Before You Dig
JULIE ILLINOIS ONE CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = WILL
CITY-TWNSHP. = ELWOOD, JACKSON TWP
SEC. & 1/4 SEC. NO. = 29
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61F94

DENIS T. HOGAN
62-050059
LICENSED PROFESSIONAL ENGINEER OF
STATE OF ILLINOIS
PROJECT MANAGER
"LICENSE EXPIRES 11-30-2019"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Laura Johnson D.P.W.
May 14th 2019
VILLAGE OF ELWOOD

PASSED 6/18/19
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW June 19, 2019
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

BAXTER & WOODMAN Consulting Engineers

B&W PROJECT NO.: 121055 DATE: 6-10-19

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

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COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD STRIPS/SHLDS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA
542011-02	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIA. SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15IN THRU 60 IN DIA
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602402-02	PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER
602406-10	PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006 05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15 (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426 09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
725001 01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006- 01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED = AKS	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, AND COMMITMENTS
		DRAWN = CJC	REVISED =		
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	PLOT DATE = 7/29/2019	DATE = 6.10.19	FILE = 121055_Geatlores.dgn		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	VILL	98	2
		CONTRACT NO. 61F94		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION REQUIRED.

2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

3. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ELWOOD.

4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W., UNLESS OTHERWISE NOTED.

6. LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIAL.

8. THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.

9. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

11. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DETERMINED BY THE ENGINEER.

12. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

13. SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE TRAVEL LANES FOR THE TACK COAT APPLICATION AND EACH RESURFACING LIFT.

14. ACCESS TO COMMERCIAL AND PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER.

16. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSBILE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.

17. ANY EXISTING STORM SEWER OR STRUCTURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER.

18. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OF UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

19. STATIONING FOR ALL DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB & GUTTER.

20. THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC FIELD ENGINEER FOR THE WILL COUNTY AREA, VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV AND, OR AT (815)485-6475, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

21. LOCATIONS OF PATCHING SHALL BE DETERMINED BY ENGINEER AT THE TIME OF CONSTRUCTION.

22. FRAME AND LIDS SHALL BE BICYCLE SAFE AND ADA COMPLIANT WHEN LOCATED WITHIN SIDEWALK, BIKE PATH, OR CROSSWALK. GRATE OPENINGS SHALL BE ONE-HALF INCH OR LESS IN ONE DIRECTION WITH THE WIDE OPENINGS PERPENDICULAR TO BICYCLE OR PEDESTRIAN TRAVEL. MAXIMUM PAVEMENT DROP SHALL BE ONE-QUARTER INCH TO TOP OF LID OR GRATE.

23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION ii.G.1 AND 2 OF THE SWPPP.

24. ONLY SUITABLE TREES SHALL BE PLANTED NEAR/UNDER OVERHEAD WIRES. LOCATIONS OF TREES MAY BE ADJUSTED IN THE FIELD DURING CONSTRUCTION BY THE ENGINEER.

25. ALL TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS PRIOR TO OPENING TO TRAFFIC.

26. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"X48" MINIMUM NOMINAL SIZE PANEL AS MANUFACTURED BY ARMOR-TILE, ADA SOLUTIONS, INC., OR TUFTILE. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE RED AND SHALL BE VERIFIED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

27. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

28. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

29. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

30. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS DISTURBED.

2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION. LOCATION OF STOCKPILES TO BE APPROVED BY THE ENGINEER.

3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.

4. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.

5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION. DURING THE WINTER MONTHS, EROSION CONTROL MEASURES WILL ALSO BE INSPECTED AFTER SIGNIFICANT SNOW MELT EVENTS.

6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.

7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN ONE (1) CALENDAR DAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.

8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.

9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS".

10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.

11. ANY SOIL, MUD, OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

12. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001). IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS ARE A SUITABLE ALTERNATIVE PERIMETER EROSION BARRIER IN PLACE OF THE SILT FENCE.

13. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.

14. RECEPTACLES FOR CONSTRUCTION DEBRIS INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.

15. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.

16. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.

18. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES – MAINTENANCE GUIDE: (http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control).

19. THE CONTRACTOR SHOULD PROVIDE TO THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF STABILIZED FLOW LINE BETWEEN THE INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

20. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

21. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED/SODDED AT ONE TIME.

22. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_GenNotes.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	3
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	241	241	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	354	354	
20101100	TREE TRUNK PROTECTION	EACH	12	12	
20200100	EARTH EXCAVATION	CU YD	9,940	9,940	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8,785	8,785	
20800150	TRENCH BACKFILL	CU YD	671.1	671.1	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,068	4,068	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,815	2,815	
21400100	GRADING AND SHAPING DITCHES	FOOT	2,168	2,168	
* 25000210	SEEDING, CLASS 2A	ACRE	3.0	3.0	
* 25000310	SEEDING, CLASS 4	ACRE	1.50	1.50	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	268	268	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	268	268	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	268	268	
* 25100630	EROSION CONTROL BLANKET	SQ YD	19,033	19,033	

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	394	394	
28000305	TEMPORARY DITCH CHECKS	FOOT	123	123	
28000400	PERIMETER EROSION BARRIER	FOOT	140	140	
28000510	INLET FILTERS	EACH	32	32	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	19,033	19,033	
28100105	STONE RIPRAP, CLASS A3	SQ YD	141	141	
28100107	STONE RIPRAP, CLASS A4	SQ YD	34	34	
28200200	FILTER FABRIC	SQ YD	175	175	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,465	2,465	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	13,845	13,845	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,700	2,700	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	7,730	7,730	
35501333	HOT-MIX ASPHALT BASE COURSE, 12 1/4"	SQ YD	4,348	4,348	
35600725	HOT-MIX ASPHALT BASE COURSE WIDENING,12 1/4"	SQ YD	62	62	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,249	4,249	

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	4
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT COWU(521)			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	868	868	
40604062	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	TON	498	498	
42001300	PROTECTIVE COAT	SQ YD	7,718	7,718	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	24,273	24,273	
42400800	DETECTABLE WARNINGS	SQ FT	166	166	
44000100	PAVEMENT REMOVAL	SQ YD	3,054	3,054	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,101	1,101	
44000300	CURB REMOVAL	FOOT	12	12	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	126	126	
44000600	SIDEWALK REMOVAL	SQ FT	275	275	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,647	1,647	
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	232	232	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	64	64	
50105220	PIPE CULVERT REMOVAL	FOOT	264	264	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	4		4

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	1	1	
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	8	8	
54010604	PRECAST CONCRETE BOX CULVERTS 6' X 4'	FOOT	264		264
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	141	141	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	4	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	6	6	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
54248510	CONCRETE COLLAR	CU YD	1	1	
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	12.17	12.17	
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	142	142	
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	80	80	
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	203	203	
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	137	137	
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	166	166	
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	196	196	

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S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	5
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0040 URBAN
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	515	515	
550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	42	42	
56106400	ADJUSTING WATER MAIN 8"	FOOT	20	20	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	5	5	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,779	2,779	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	10	10	
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	6	6	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	11	11	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	6	6	
60500060	REMOVING INLETS	EACH	4	4	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,992	3,992	

* INDICATES SPECIALTY ITEM
$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0040 URBAN
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	2,468	2,468	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	587.5	587.5	
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	25	25	
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	25	25	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	638	638	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3,650	3,650	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	20	20	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	
67100100	MOBILIZATION	LSUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	300	300	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	

* INDICATES SPECIALTY ITEM
$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	6
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0040 URBAN
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,868	1,868	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	623	623	
	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	6,335	6,335	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	194.5	194.5	
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17	17	
*	72500400	OBJECT MARKER - TYPE 4	EACH	4	4	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	58	58	
*	72900100	METAL POST - TYPE A	FOOT	264	264	
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	4	4	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	292	292	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,661	7,661	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,204	3,204	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	658	658	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	106	106	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	134	134	

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0040 URBAN
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9	9	
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6	
*	A2000216	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
*	A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11	
*	A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2004416	TREE, GINKGO BILOBA (GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
*	A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
*	A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
*	B2000767	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	3	3	
*	B2002670	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	3	3	
*	C2012748	SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	13	13	
*	C2012848	SHRUB, VIBURNUM TRILOBUM (AMERICAN CRANBERRY VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	17	17	
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	935	935	
	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	251		251

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	7
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
X1200050	BOX CULVERT REMOVAL	FOOT	44		44
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8	8	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2	
X6020094	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	3	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2,112	2,112	
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	299	299	
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	166	166	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0029604	HEADWALL REMOVAL	EACH	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	77.1	77.1	
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	125	125	

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FED 20% LOCAL STRUCTURAL 0004 URBAN
	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	46	46	
S	Z0076600	TRAINEES	HOUR	500	500	
S	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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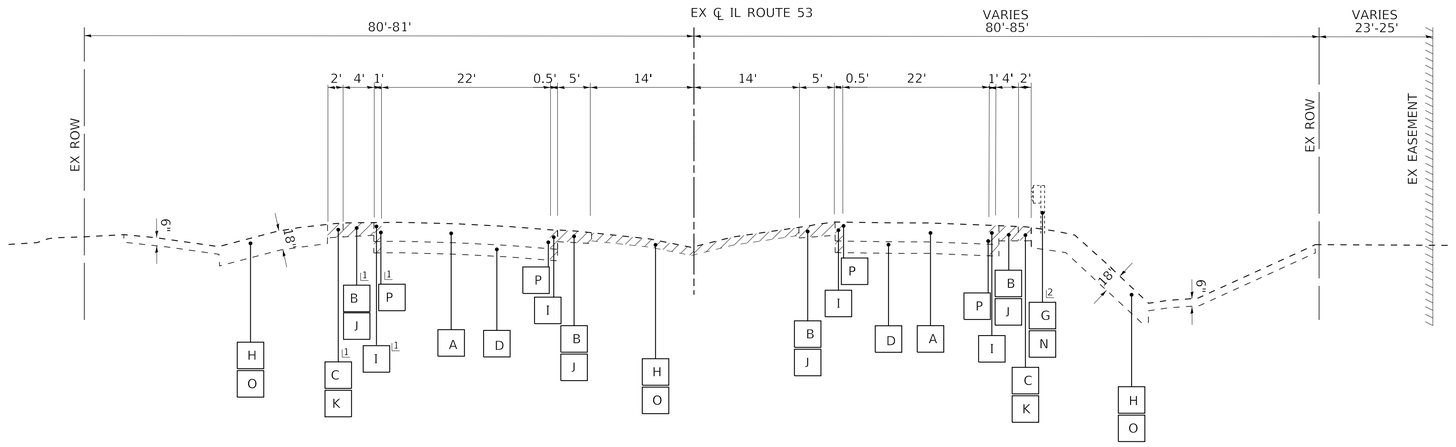
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	8
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

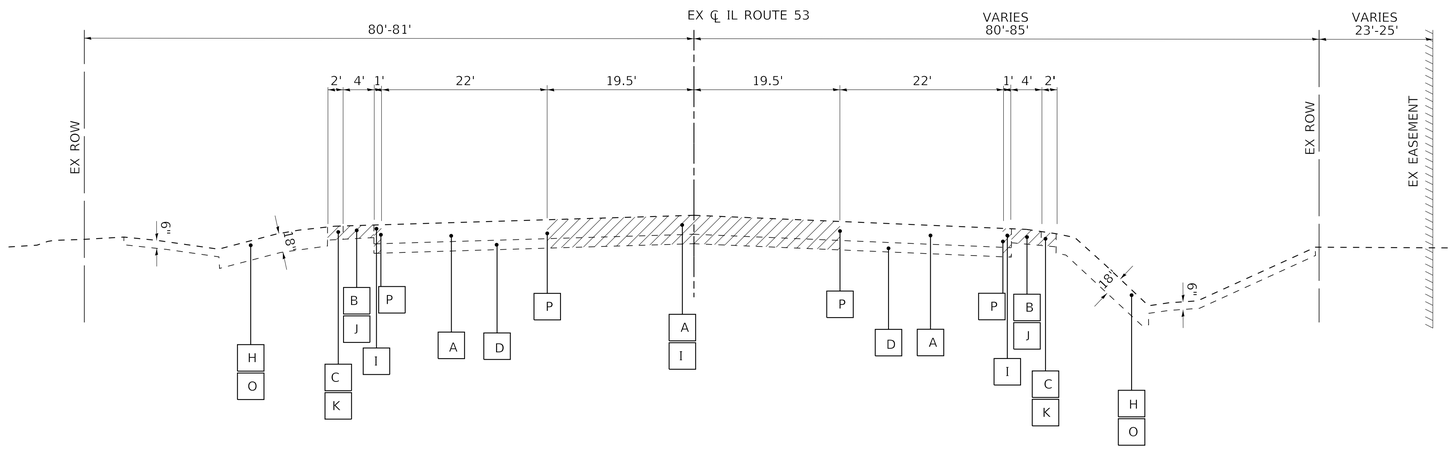


EXISTING TYPICAL SECTION
IL ROUTE 53

STA 402+45 TO STA 405+58, STA 406+08 TO STA 414+34

[1] STA 405+63 TO STA 414+05

[2] STA 402+45 TO STA 404+95
STA 405+53 TO STA 409+41



EXISTING TYPICAL SECTION
IL ROUTE 53

STA 405+58 TO STA 406+08

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
- M SIDEWALK REMOVAL
- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D" N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D" N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" (WIDENING < 6 FT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (6) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY ENGINEER)*
- (7) AGGREGATE WEDGE SHOULDER, TYPE B
- (8) AGGREGATE SHOULDERS, TYPE B 4"
- (9) CONCRETE MEDIAN TYPE SB-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (12) AGGREGATE BASE COURSE, TYPE B - 4"
- (13) TOPSOIL EXCAVATION AND PLACEMENT
  SEEDING, CLASS 2A
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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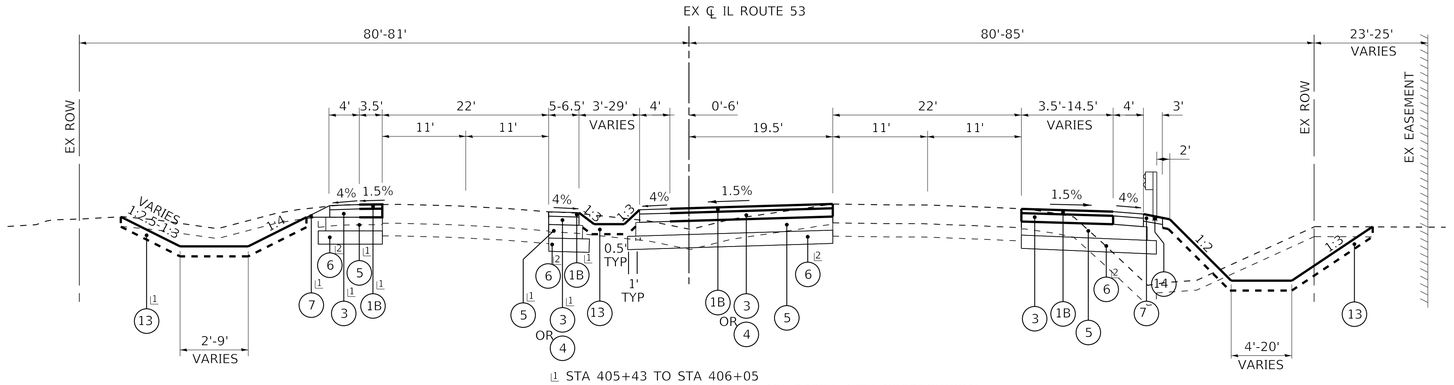
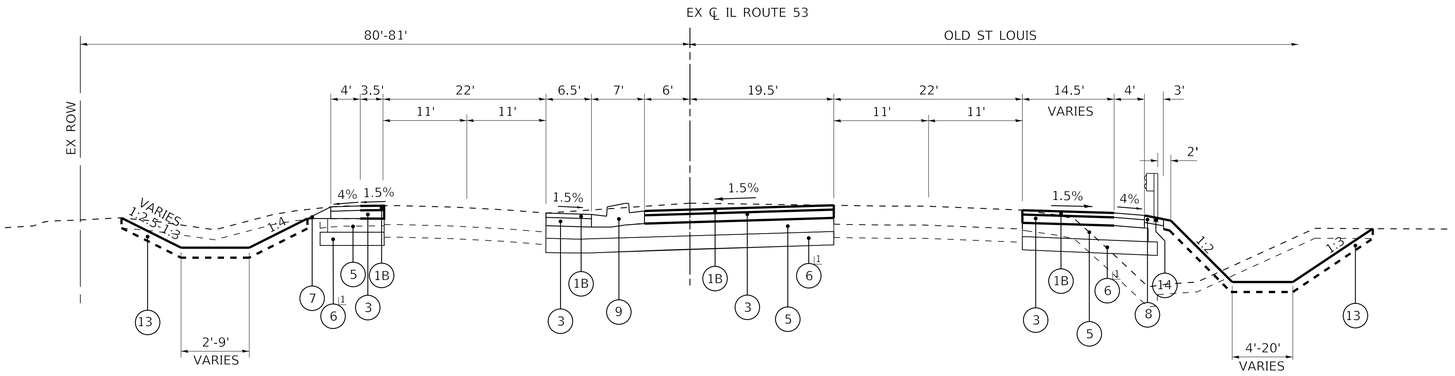
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



[1] STA 405+43 TO STA 406+05
[2] STA 405+50 TO STA 406+05 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA 402+45 TO STA 406+05



[1] STA 406+05 TO STA 407+50 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA 406+05 TO STA 407+73

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
- M SIDEWALK REMOVAL
- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D", IL-9.5, N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D", IL-9.5, N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" (WIDENING < 6 FT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (6) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY ENGINEER)*
- (7) AGGREGATE WEDGE SHOULDER, TYPE B
- (8) AGGREGATE SHOULDERS, TYPE B 4"
- (9) CONCRETE MEDIAN TYPE SB-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (12) AGGREGATE BASE COURSE, TYPE B - 4"
- (13) TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 2A
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

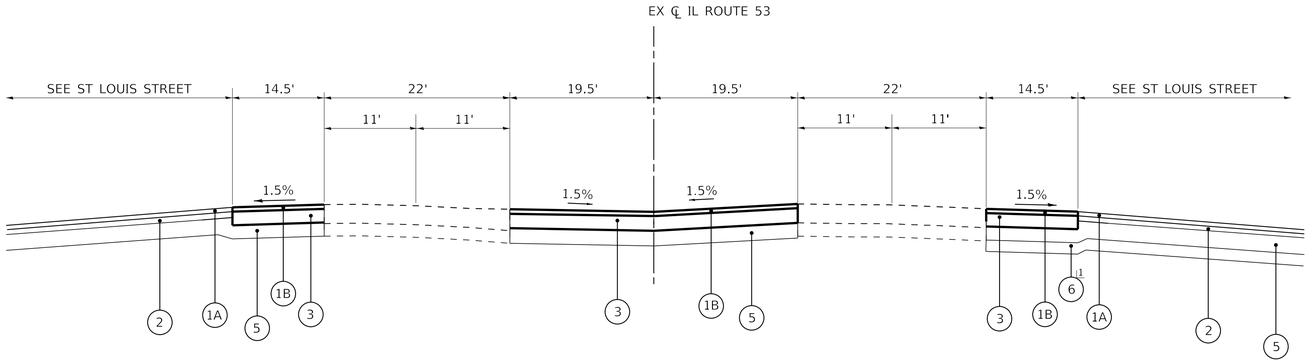
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	10

CONTRACT NO. 61F94

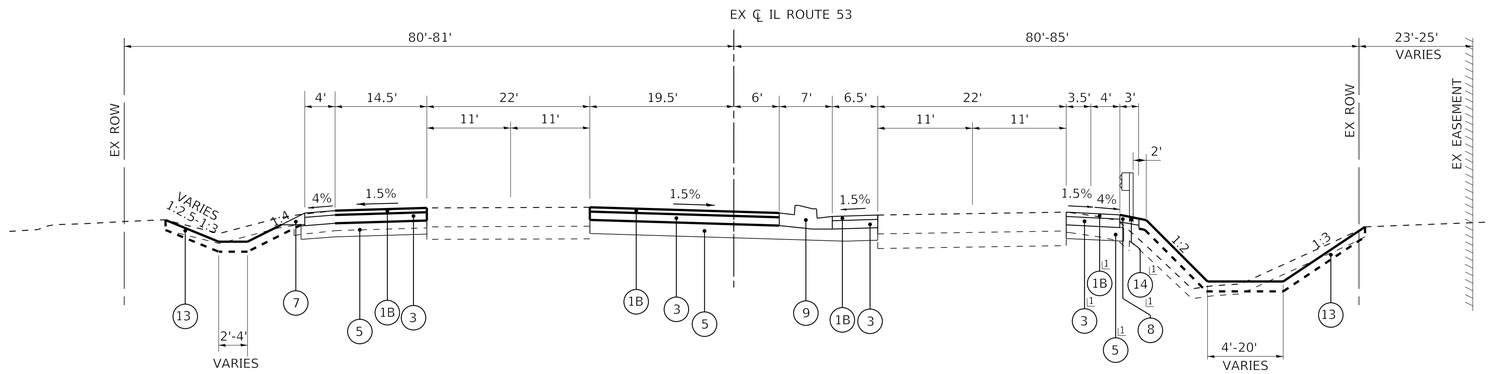
ILLINOIS | FED. AID PROJECT COWU(521)



PROPOSED TYPICAL SECTION
IL ROUTE 53

STA 407+73 TO STA 408+75

1 STA 407+73 TO STA 408+75 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.



1 STA 408+75 TO STA 409+34

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA. 408+75 TO STA. 410+45

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
- M SIDEWALK REMOVAL
- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D", IL-9.5, N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D", IL-9.5, N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" (WIDENING < 6 FT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (6) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY ENGINEER)*
- (7) AGGREGATE WEDGE SHOULDER, TYPE B
- (8) AGGREGATE SHOULDERS, TYPE B 4"
- (9) CONCRETE MEDIAN TYPE SB-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (12) AGGREGATE BASE COURSE, TYPE B - 4"
- (13) TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 2A
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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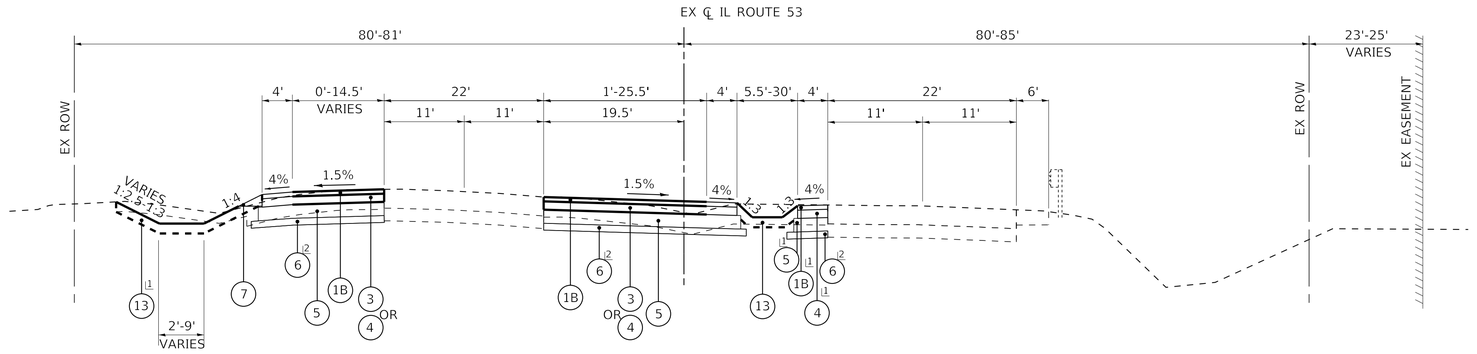
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



[1] STA 410+45 TO STA 414+34
[2] STA 411+50 TO STA 412+50 6" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

PROPOSED TYPICAL SECTION
IL ROUTE 53

STA 410+45 TO STA 414+34

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	**AIR VOIDS @ Ndes**
PAVEMENT WIDENING (IL ROUTE 53) >6'	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70- 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 12 1/4"	4% @ 70 Gyr.
PAVEMENT WIDENING (IL ROUTE 53) <6'	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70- 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19.0), 12 1/4"	4% @ 70 Gyr.
RECONSTRUCTION PAVEMENT (ST LOUIS STREET/GARDNER STREET/OLD ST LOUIS STREET)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50- 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 6"	4% @ 50 Gyr.
HMA DRIVEWAY PAVEMENT, 8"-10"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50- 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0): PE-6" , CE-8"	4% @ 50 Gyr.

NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
- M SIDEWALK REMOVAL
- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D", IL-9.5, N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D", IL-9.5, N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
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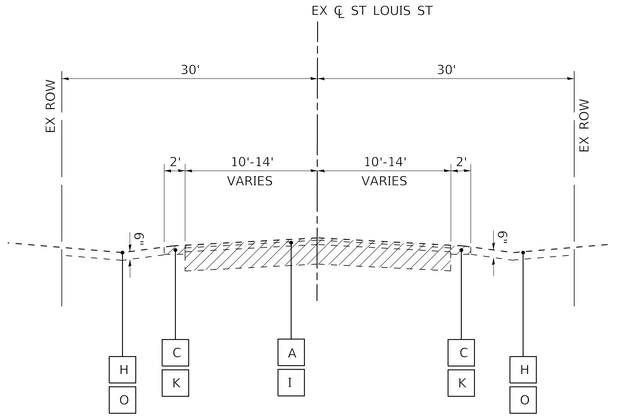
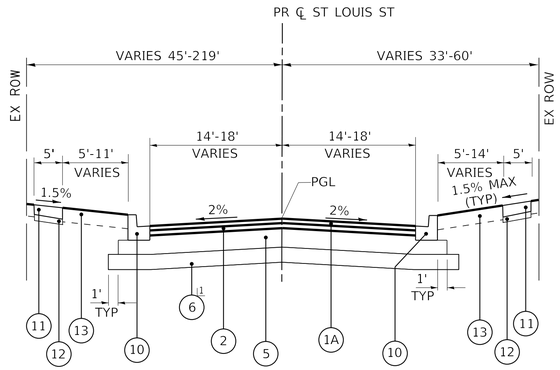


EXISTING TYPICAL SECTION
OLD ST LOUIS STREET

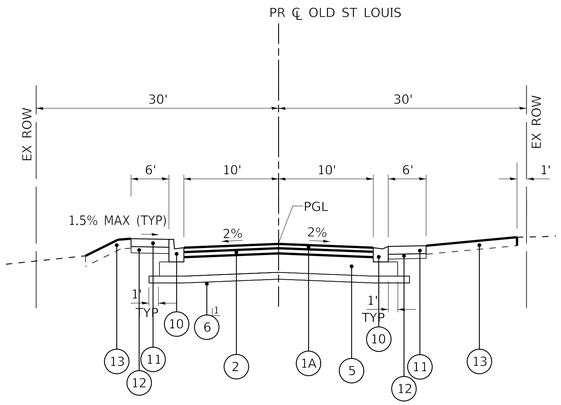
STA 305+20 TO STA 316+42



PROPOSED TYPICAL SECTION
ST LOUIS STREET

STA 90+77.65 TO STA 100+28.71

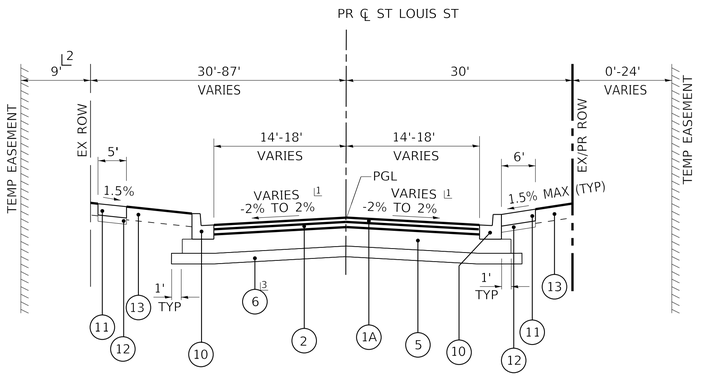
[1] STA 94+50 TO STA 100+29 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.



PROPOSED TYPICAL SECTION
OLD ST LOUIS STREET

STA 305+20 TO STA 309+07

[1] STA 305+00 TO STA 309+07 6" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.



PROPOSED TYPICAL SECTION
ST LOUIS STREET

STA 101+40.71 TO STA 105+70

[1] SEE ALIGNMENT PLAN FOR SUPERELEVATION RATES

[2] STA 103+60 TO STA 105+68

[3] STA 104+50 TO STA 105+70 6" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
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- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D", IL-9.5, N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D", IL-9.5, N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" (WIDENING < 6 FT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT - 12"
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- (7) AGGREGATE WEDGE SHOULDER, TYPE B
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- (9) CONCRETE MEDIAN TYPE SB-6.12
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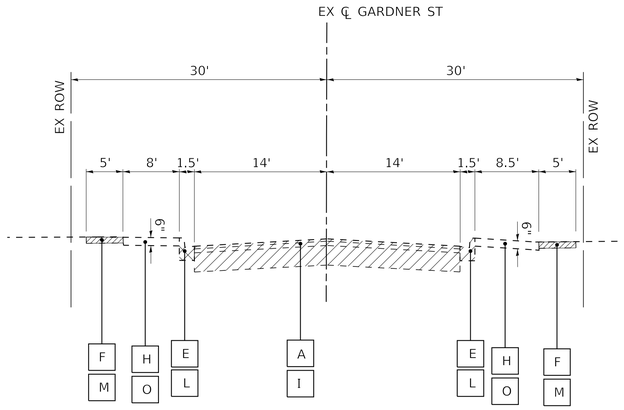
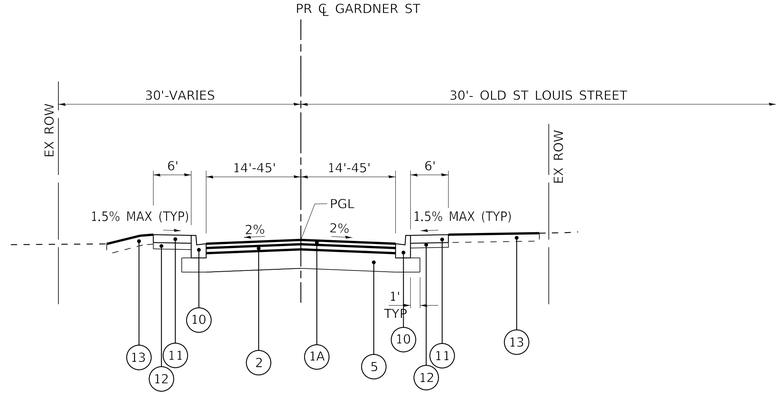
846A	07-00019-00-CH	WILL	98	13
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



EXISTING TYPICAL SECTION
GARDNER STREET

STA 200+50 TO STA 201+94



PROPOSED TYPICAL SECTION
GARDNER STREET

STA 200+50 TO STA 201+94
CUL-DE-SAC

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT
- B HOT-MIX ASPHALT SHOULDER
- C AGGREGATE SHOULDER
- D AGGREGATE SUBGRADE
- E COMBINATION CONCRETE CURB AND GUTTER
- F PCC SIDEWALK
- G GUARDRAIL
- H GROUND SURFACE
- I PAVEMENT REMOVAL
- J PAVED SHOULDER REMOVAL
- K AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- L COMBINATION CURB AND GUTTER REMOVAL
- M SIDEWALK REMOVAL
- N GUARDRAIL REMOVAL
- O TOPSOIL REMOVAL
- P SAWCUT
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1A) HMA SURFACE COURSE, MIX "D", IL-9.5, N50- 2"
- (1B) HMA SURFACE COURSE, MIX "D", IL-9.5, N70- 2"
- (2) HOT-MIX ASPHALT BASE COURSE 6"
- (3) HOT-MIX ASPHALT BASE COURSE 12 1/4"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" (WIDENING < 6 FT)
- (5) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (6) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY ENGINEER)*
- (7) AGGREGATE WEDGE SHOULDER, TYPE B
- (8) AGGREGATE SHOULDERS, TYPE B 4"
- (9) CONCRETE MEDIAN TYPE SB-6.12
- (10) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 5"
- (12) AGGREGATE BASE COURSE, TYPE B - 4"
- (13) TOPSOIL EXCAVATION AND PLACEMENT
  SEEDING, CLASS 2A
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

* AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNDERCUT LOCATIONS ARE LISTED ON EACH TYPICAL SECTION.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_TypSec.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N.T.S. | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	14
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

EARTHWORK															
	1A	1B	2	3	4	5A	5B	6	7	8A	8B	9	10	11	12
LOCATION STA TO STA	TOPSOIL EXCAVATION (DEPTH 18"-21") (CU YD)	TOPSOIL EXCAVATION NON SPECIAL WASTE (CU YD)	TOPSOIL EXCAVATION FOR PLACEMENT (15% SHRINKAGE) (CU YD)	TOPSOIL PLACEMENT (DEPTH 6") (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT NON-SPECIAL WASTE (CU YD)	UNSUITABLE EXCAVATION (TOPSOIL) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION NON-SPECIAL WASTE (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOTAL NON-SPECIAL WASTE (CU YD)
OLD ST LOUIS STREET	257.0	-	219.0	129.0	91.0	253.0	-	145.0	398.0	860.0	-	732.0	89.0	643.0	-
305+20 305+50	7.4	-	6.3	2.1	4.2	15.1	-	4.2	19.3	41.9	-	35.7	4.8	30.9	-
305+50 306+00	14.0	-	12.0	4.1	7.9	25.2	-	7.9	33.1	80.9	-	68.8	12.3	56.5	-
306+00 306+50	22.2	-	19.0	3.0	16.0	35.0	-	16.0	51.0	120.9	-	102.8	17.3	85.5	-
306+50 307+00	28.8	-	24.5	10.7	13.8	35.0	-	13.8	48.8	131.4	-	111.8	11.7	100.1	-
307+00 307+50	30.3	-	25.8	16.3	9.5	25.1	-	9.5	34.6	119.5	-	101.6	6.3	95.4	-
307+50 308+00	31.9	-	27.1	17.4	9.7	25.1	-	9.7	34.8	107.7	-	91.6	9.2	82.4	-
308+00 308+27	6.2	-	5.3	9.4	(4.1)	16.2	-	-	16.2	66.4	-	56.5	2.1	54.4	-
308+27 308+50	30.2	-	25.7	4.1	21.6	22.3	-	21.6	43.9	58.6	-	49.8	3.6	46.2	-
308+50 308+75	55.8	-	47.5	4.4	43.1	27.4	-	43.1	70.5	54.1	-	46.1	10.5	35.6	-
308+75 309+00	26.4	-	22.5	4.9	17.6	19.3	-	17.6	37.0	53.2	-	45.3	8.6	36.7	-
309+00 309+12	3.3	-	2.9	2.0	0.9	7.1	-	0.9	8.1	24.8	-	21.2	1.9	19.3	-
311+45 311+50	-	-	-	3.2	(3.2)	-	-	-	-	-	-	-	-	-	-
311+50 312+00	-	-	-	31.4	(31.4)	-	-	-	-	-	-	-	-	-	-
312+00 312+50	-	-	-	15.6	(15.6)	-	-	-	-	-	-	-	-	-	-
ST LOUIS STREET	4,395	226	4,367	1,097	3,270	1,756	103	3,533	5,289	3,823	267	3,025	1,206	1,819	596
SOUTH	3,511	226	2,861	697	2,163	1,560	103	2,417	3,977	2,126	267	1,581	455	1,126	596
90+78 91+00	76.7	-	65.2	11.0	54.2	34.7	-	54.2	88.9	28.8	-	24.5	9.1	15.4	-
91+00 91+50	159.2	79.6	135.3	25.6	109.7	72.0	36.0	189.3	261.3	120.9	60.4	51.4	10.3	41.1	176.0
91+50 92+00	146.1	146.1	-	28.1	(28.1)	67.0	67.0	146.1	213.1	206.4	206.4	-	-	-	419.5
92+00 92+50	151.6	-	128.9	29.2	99.7	69.4	-	99.7	169.1	225.1	-	191.4	-	191.4	-
92+50 93+00	160.0	-	136.1	26.6	109.5	73.7	-	109.5	183.3	194.5	-	165.4	-	165.4	-
93+00 93+50	168.5	-	143.3	26.0	117.3	78.7	-	117.3	196.0	165.7	-	140.9	0.7	140.2	-
93+50 94+00	173.4	-	147.5	28.3	119.2	80.0	-	119.2	199.2	130.8	-	111.2	2.8	108.4	-
94+00 94+50	176.4	-	150.0	29.5	120.5	80.0	-	120.5	200.5	82.6	-	70.3	7.1	63.2	-
94+50 95+00	184.6	-	157.0	38.4	118.6	80.0	-	118.6	198.6	57.3	-	48.7	13.0	35.7	-
95+00 95+50	191.7	-	163.0	47.9	115.1	80.0	-	115.1	195.1	47.5	-	40.5	19.1	21.4	-
95+50 96+00	192.0	-	163.2	48.6	114.6	80.0	-	114.6	194.7	52.2	-	44.4	16.8	27.6	-
96+00 96+50	191.3	-	162.6	47.5	115.1	80.0	-	115.1	195.1	102.1	-	86.9	8.1	78.8	-
96+50 97+00	189.9	-	161.5	46.5	115.0	80.0	-	115.0	195.0	170.4	-	144.9	3.0	141.9	-
97+00 97+50	189.4	-	161.1	46.1	115.0	80.0	-	115.0	195.0	196.2	-	166.8	1.3	165.5	-
97+50 98+00	188.9	-	160.6	44.7	115.9	80.0	-	115.9	195.9	162.2	-	137.9	3.0	134.9	-
98+00 98+50	186.9	-	158.9	42.9	116.0	80.0	-	116.0	196.0	91.2	-	77.6	9.2	68.4	-
98+50 99+00	186.1	-	158.2	41.0	117.2	81.0	-	117.2	198.2	42.8	-	36.4	22.4	14.0	-
99+00 99+50	193.4	-	164.5	37.8	126.7	86.8	-	126.7	213.4	33.6	-	28.6	30.9	(2.3)	-
99+50 100+00	235.1	-	199.9	38.9	161.0	107.3	-	161.0	268.4	15.8	-	13.5	80.3	(66.8)	-
100+00 100+25	169.2	-	143.9	12.8	131.1	88.8	-	131.1	219.9	-	-	-	218.1	(218.1)	-
NORTH	885	-	753	200	553	98	-	558	656	848	-	722	375	346	-
101+50 101+75	160.5	-	136.5	9.8	126.7	-	-	126.7	126.7	23.2	-	19.7	167.3	(147.6)	-
101+75 102+00	111.8	-	95.1	6.4	88.7	-	-	88.7	88.7	39.1	-	33.3	3.2	30.1	-
102+00 102+50	200.1	-	170.2	20.2	150.0	-	-	150.0	150.0	96.2	-	81.8	8.6	73.2	-
102+50 103+00	172.3	-	146.5	41.5	105.0	-	-	105.0	105.0	157.8	-	134.2	9.4	124.8	-
103+00 103+50	126.7	-	107.8	42.7	65.1	-	-	65.1	65.1	148.2	-	126.1	9.4	116.7	-
103+50 104+00	47.2	-	40.2	18.6	21.6	-	-	21.6	21.6	106.3	-	90.4	15.9	74.5	-
103+69 103+78	-	-	-	-	-	-	-	-	-	6.8	-	5.9	-	5.9	-
103+78 104+00	3.1	-	2.7	2.6	0.1	-	-	0.1	0.1	22.7	-	19.3	5.4	13.9	-
104+00 104+50	16.2	-	13.8	13.6	0.2	18.1	-	0.2	18.2	85.6	-	72.9	35.0	37.9	-
104+50 105+00	16.9	-	14.4	16.9	(2.5)	34.5	-	-	34.5	69.2	-	58.9	44.7	14.2	-
105+00 105+50	20.1	-	17.1	19.3	(2.2)	32.6	-	-	32.6	67.3	-	57.2	52.3	4.9	-
105+50 105+70	9.9	-	8.5	8.1	0.4	12.9	-	0.4	13.3	25.7	-	21.9	24.2	(2.3)	-

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	15
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

EARTHWORK CONT.																
		1A	1B	2	3	4	5A	5B	6	7	8A	8B	9	10	11	12
LOCATION STA TO STA		TOPSOIL EXCAVATION (DEPTH 18"-21") (CU YD)	TOPSOIL EXCAVATION NON SPECIAL WASTE (CU YD)	TOPSOIL EXCAVATION FOR PLACEMENT (15% SHRINKAGE) (CU YD)	TOPSOIL PLACEMENT (DEPTH 6") (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT NON-SPECIAL WASTE (CU YD)	UNSUITABLE EXCAVATION (TOPSOIL) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION NON-SPECIAL WASTE (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	TOTAL NON-SPECIAL WASTE (CU YD)
IL ROUTE 53		3,607	1,018	2,203	1,151	1,052	454	392	2,352	2,806	3,708	1,163	2,165	1,890	276	2,571
402+00	402+50	39.1	-	33.3	31.3	2.0	-	-	2.0	2.0	47.7	-	40.6	15.7	24.9	-
402+50	403+00	86.2	-	73.3	61.8	11.5	-	-	11.5	11.5	108.5	-	92.3	45.7	46.6	-
403+00	403+50	101.4	-	86.2	58.4	27.8	-	-	27.8	27.8	126.5	-	107.6	71.9	35.7	-
403+50	404+00	115.2	-	98.0	53.8	44.2	-	-	44.2	44.2	132.9	-	113.0	91.9	21.1	-
404+00	404+50	126.5	-	107.6	49.5	58.1	-	-	58.1	58.1	138.2	-	117.6	102.2	15.4	-
404+50	405+00	163.4	-	139.0	47.6	91.4	-	-	91.4	91.4	178.3	-	151.6	102.1	49.5	-
405+00	405+45	149.8	-	127.4	39.9	87.5	-	-	87.5	87.5	178.3	-	151.6	86.3	65.3	-
405+45	405+50	13.7	13.7	-	4.1	(4.1)	9.2	9.2	13.7	22.9	18.2	18.2	-	9.2	(9.2)	41.1
405+50	406+00	162.6	162.6	-	58.3	(58.3)	101.1	101.1	162.6	263.7	236.3	236.3	-	90.4	(90.4)	500.0
406+00	406+50	188.0	188.0	-	75.9	(75.9)	110.5	110.5	188.0	298.4	290.8	290.8	-	88.6	(88.6)	589.2
406+50	407+00	199.1	199.1	-	73.8	(73.8)	97.0	97.0	199.1	296.2	309.2	309.2	-	100.3	(100.3)	605.4
407+00	407+50	205.9	205.9	-	53.4	(53.4)	73.5	73.5	205.9	279.4	211.2	211.2	-	168.8	(168.8)	490.6
407+50	408+00	247.7	247.7	-	17.6	(17.6)	-	-	247.7	247.7	96.4	96.4	-	240.1	(240.1)	344.1
408+00	408+50	300.1	-	255.1	-	255.1	-	-	255.1	255.1	111.8	-	95.0	255.1	(160.1)	-
408+50	409+00	262.8	-	223.4	38.5	184.9	-	-	184.9	184.9	252.3	-	214.5	185.2	29.3	-
409+00	409+50	193.2	-	164.3	61.3	103.0	-	-	103.0	103.0	250.3	-	212.8	75.7	137.1	-
409+50	410+00	161.8	-	137.6	43.1	94.5	-	-	94.5	94.5	122.1	-	103.9	32.8	71.1	-
410+00	410+50	154.4	-	131.2	43.0	88.2	-	-	88.2	88.2	110.8	-	94.2	30.0	64.2	-
410+50	411+00	126.4	-	107.5	43.3	64.2	-	-	64.2	64.2	115.8	-	98.5	19.4	79.1	-
411+00	411+50	125.4	-	106.6	47.5	59.1	-	-	59.1	59.1	135.8	-	115.5	5.9	109.6	-
411+50	412+00	126.6	-	107.6	46.7	60.9	33.4	-	60.9	94.4	124.6	-	105.9	5.1	100.8	-
412+00	412+50	98.9	-	84.1	42.9	41.2	29.2	-	41.2	70.4	100.7	-	85.7	12.1	73.6	-
412+50	413+00	90.6	-	77.1	48.5	28.6	-	-	28.6	28.6	93.6	-	79.6	16.2	63.4	-
413+00	413+50	81.1	-	69.0	51.0	18.0	-	-	18.0	18.0	99.6	-	84.7	17.5	67.2	-
413+50	414+00	58.6	-	49.8	40.0	9.8	-	-	9.8	9.8	79.7	-	67.8	14.8	53.0	-
414+00	414+34	28.2	-	24.0	19.4	4.6	-	-	4.6	4.6	38.2	-	32.5	6.1	26.4	-
GARDNER STREET		401	-	341	53	289	-	-	289	289	219	-	186	133	54	-
200+50	201+00	22.5	-	19.2	12.0	7.2	-	-	7.2	7.2	90.1	-	76.6	3.1	73.5	-
201+00	201+23	33.4	-	28.4	8.2	20.2	-	-	20.2	20.2	57.8	-	49.1	7.8	41.3	-
201+23	201+49	90.6	-	77.1	12.6	64.5	-	-	64.5	64.5	50.7	-	43.2	29.1	14.1	-
201+49	201+74	135.1	-	114.9	12.1	102.8	-	-	102.8	102.8	17.5	-	14.9	48.5	(33.6)	-
201+74	201+94	119.0	-	101.2	7.1	94.1	-	-	94.1	94.1	2.5	-	2.2	44.1	(41.9)	-
DETENTION BASIN		376	-	320	384	(65)	-	-	-	-	1,327	-	1,128	5	1,124	-
97+00	97+50	23.2	-	19.8	23.6	(3.8)	-	-	-	-	60.1	-	51.1	-	51.1	-
97+50	98+00	81.7	-	69.5	82.7	(13.2)	-	-	-	-	250.5	-	213.0	-	213.0	-
98+00	98+50	112.8	-	95.9	114.2	(18.3)	-	-	-	-	382.1	-	324.9	0.4	324.5	-
98+50	99+00	89.6	-	76.2	91.2	(15.0)	-	-	-	-	353.1	-	300.1	1.5	298.6	-
99+00	99+50	50.0	-	42.6	52.2	(9.6)	-	-	-	-	215.6	-	183.4	1.7	181.7	-
99+50	99+80	17.7	-	15.1	19.3	(4.2)	-	-	-	-	65.2	-	55.4	0.7	54.7	-
TOTALS		9,036	1,244	7,450	2,814	4,637	2,463	495	6,319	8,782	9,937	1,430	7,236	3,323	3,916	3,167

COLUMN 1A = TOPSOIL REMOVAL DEPTH 6"
COLUMN 1B = TOPSOIL REMOVAL DEPTH 6" NON SPECIAL WASTE
COLUMN 2 = [COLUMN 1A-COLUMN 1B] x 0.85
COLUMN 3 = FROM CROSS SECTION END AREAS, DEPTH 6"
COLUMN 4 = [COLUMN 2] - [COLUMN 3]
COLUMN 5A = AGGREGATE SUBGRADE IMPROVEMENT- DEPTH VARIES
COLUMN 5B = AGGREGATE SUBGRADE IMPROVEMENT- DEPTH VARIES - NON SPECIAL WASTE
COLUMN 6 = [COLUMN 4]+[COLUMN 1B] (IF COLUMN 4 > 0)
COLUMN 7 = [COLUMN 5] + [COLUMN 6]
COLUMN 8A = EARTH EXCAVATION FROM CROSS SECTION END AREAS
COLUMN 8B = EARTH EXCAVATION FROM CROSS SECTION END AREAS IS NON SPECIAL WASTE
COLUMN 9 = [COLUMN 8A-COLUMN 8B] x 0.85
COLUMN 10 = FROM CROSS SECTION END AREAS
COLUMN 11 = [COLUMN 9] - [COLUMN 10]
COLUMN 12 = TOTAL NON SPECIAL WASTE

EARTHWORK PAY ITEM SUMMARY

	TOTAL	
EARTH EXCAVATION	9,940	CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	8,785	CU YD
TOPSOIL EXCAVATION AND PLACEMENT	2,815	CU YD
AGGREGATE SUBGRADE IMPROVEMENT	2,465	CU YD
NON-SPECIAL WASTE	3,170	CU YD

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	16
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

TREE REMOVAL SCHEDULE

STATION	OFFSET	TREE REMOVAL EACH	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT
91+14	9.4 LT	1	7	
98+92	115.4 LT	1	8	
99+02	110.1 LT	1	6	
99+12	104.4 LT	1	10	
99+17	99.5 LT	1		18
99+53	59.6 LT	1	6	
99+53	59.6 LT	1	6	
99+53	59.6 LT	1	6	
99+70	40.3 LT	1	8	
99+87	41.3 LT	1		25
99+87	41.3 LT	1	8	
99+87	41.3 LT	1	8	
99+90	4.4 RT	1	8	
99+99	20.3 RT	1	8	
99+99	20.3 RT	1	8	
99+99	20.3 RT	1	8	
308+05	28.5 LT	1		24
308+05	28.5 LT	1		24
308+44	28.0 LT	1		16
308+69	26.8 LT	1		18
308+69	26.8 LT	1	14	
406+86	98.3 RT	1		27
406+86	98.3 RT	1		24
407+04	102.7 RT	1	7	
407+45	94.0 RT	1	7	
407+61	77.8 LT	1		26
407+71	95.2 RT	1	9	
408+69	81.3 LT	1		20
408+95	91.4 RT	1		66
408+95	91.4 RT	1		66
409+01	90.7 RT	1	6	
409+01	90.7 RT	1	6	
409+07	88.7 RT	1	6	
409+16	79.5 RT	1	10	
409+21	87.9 RT	1	8	
409+26	81.4 RT	1	10	
409+49	78.6 RT	1	9	
409+49	78.6 RT	1	6	
411+20	77.9 LT	1	8	
411+49	69.3 LT	1	10	
411+59	73.8 LT	1	12	
411+70	66.2 LT	1	8	
TOTALS		42	241	354

PROPOSED TREE SCHEDULE

TYPE	STATION	OFFSET	EACH
A2000216	201+50	RT	2
		TOTAL	2
A2001716	96+50	LT	3
	402+50	RT	3
	411+00	RT	2
	411+00	LT	3
		TOTAL	11
A2002879	20+15	LT	3
		TOTAL	3
A2004416	413+50	LT	2
	201+50	LT	1
		TOTAL	3
A2006516	96+70	LT	3
	403+50	RT	2
	405+80	RT	3
		TOTAL	8
A2007616	405+80	LT	3
	410+00	RT	2
	412+50	LT	2
		TOTAL	7
A2007816	406+50	RT	2
		TOTAL	2
B2000767	404+00	RT	3
		TOTAL	3
B2002670	405+10	RT	3
		TOTAL	3
TOTAL TREES			42

PROPOSED SHRUBS SCHEDULE

TYPE	STATION	OFFSET	EACH
C2012848	201+00	LT	7
	201+00	RT	10
		TOTAL	17
C2012748	404+20	RT	6
	201+50	LT	7
		TOTAL	13
		TOTAL SHRUBS	30

PROPOSED SIGN SCHEDULE

STA	OFFSET	SIGN	72000100 SIGN PANEL - TYPE 1 SQ FT	72800100 TELESCOPING STEEL SIGN SUPPORT FOOT	72900100 METAL POST - TYPE A FOOT	72500400 OBJECT MARKER- TYPE 4 EACH	73100100 BASE FOR TELESCOPING SIGN SUPPORT EACH
91+05	LT	R1-1	6.25		13.5		
99+13	LT	R2-1	7.5				
	LT	R8-3	1.5		15.5		
99+63	LT	R5-2	4.0				
	LT	R12-1	5.0		15.5		
100+18	RT	R1-1	9.0				
	RT	W4-I100	4.5		14.5		
101+53	LT	R1-1	9.0				
	LT	W4-I100	4.5		14.5		
103+00	RT	R5-2	4.0				
	RT	R12-1	5.0		15.5		
103+50	RT	R2-1	7.5				
	RT	R8-3	1.5		15.5		
105+80	RT	R1-1	6.25		13.5		
199+00	RT	W14-2	6.25		13.5		
201+94	LT	R11-I100	7.50		13.5		
	LT					2	
307+12	RT	W14-2	6.25		13.5		
309+12	LT	R11-I100	7.50		13.5		
	LT					2	
400+70	RT	W2-1	9.0				
	RT	W16-5	1.5		16.5		
402+40	LT	R2-1	7.5				
	LT	R8-3	1.5		15.5		
405+10	RT	R3-5R	7.5		14		
406+05	LT	R3-5L	7.5				
	LT	CUSTOM	3.8	15.5			1
407+75	LT	R4-7	7.5	13.5			1
408+80	RT	R4-7	7.5	13.5			1
410+45	RT	R3-5L	7.5				
	LT	CUSTOM	3.8	15.5			1
411+40	LT	R3-5R	7.5		14		
414+05	RT	R2-1	7.5				
	RT	R8-3	1.5		15.5		
414+98	LT	W2-1	9.0				
	LT	W16-5	1.5		16.5		
		TOTAL	194.5	58.0	264.0	4	4

PAVEMENT SCHEDULE

STA.	TO STA.	OFFSET	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD	35501308 HOT-MIX ASPHALT BASE COURSE, 6" SQ YD	35501333 HOT-MIX ASPHALT BASE COURSE, 12 1/4" SQ YD	35600725 HOT-MIX ASPHALT BASE COURSE WIDENING, 12 1/4" SQ YD	40604060 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 TON	40604062 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 TON	40600290 BITUMINOUS MATERIALS (TACK COAT) POUND	48101498 AGGREGATE SHOULDERS, TYPE B 4" SQ YD	48102100 AGGREGATE WEDGE SHOULDER, TYPE B TON
305+20	309+11		1424	1184			133		267		
OLD ST LOUIS STREET TOTAL			1424	1184			133		267		
91+13	100+28		4304	3754			421		845		
101+40	105+70		2134	1861			209		419		
ST LOUIS STREET TOTAL			6438	5615			630		1264		
402+45	409+33	RT	1195		1155			130	520		
402+45	407+39	RT								184	
408+66	409+41	RT								48	
402+45	402+52	C	6			5		1	3		
402+52	407+73	C	1232		1168			131	526		
405+43	405+98	C	43			37		5	17		
405+98	407+73	C	156		137			16	62		
407+73	408+75	C	443		443			50	200		
408+75	410+45	C	152		133			15	60		
408+75	413+98	C	1259		1177			132	530		
413+98	414+34	C	24			20		3	9		
405+63	414+05	LT	1362		1290			145	581		
405+63	407+74	LT									19
409+05	414+05	LT									45
IL ROUTE 53 TOTAL			4677		4348	62		498	2508	232	64
200+50	200+94		1031	931			105		210		
GARDNER STREET TOTAL			1031	931			105		210		
TOTALS			13570	7730	4348	62	868	498	4249	232	64

DRIVEWAY SCHEDULE

STATION	OFFSET	Original TYPE	44000200 DRIVEWAY PAVEMENT REMOVAL SQ YD	Z0004530 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" SQ YD	Z0004538 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" SQ YD	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH
305+46	LT	GRVL	57	24			1	
306+12	RT	HMA	140	78			1	
306+52	LT	NA			22			1
307+22	RT	HMA	33	21			1	
307+58	RT	HMA	37	26			1	
307+83	LT	HMA	62	38			1	
308+23	RT	GRVL	14	19			1	
308+23	LT	HMA	60					
309+42	RT	GRVL	45	77			1	
314+32 103+65	LT	HMA	123		55	43		1
314+56 103+72	RT	GRVL	129		65			1
315+00 104+28 (PARKING)	RT	HMA	46					
315+59 104+88	RT	HMA	34		24			1
315+65 104+94	LT	GRVL	49	16			1	
411+25	LT	PCC	133					
412+01	LT	PCC	139					
TOTALS			1,101	299	166	43	8	4

SIGN REMOVAL SCHEDULE

STA	OFFSET	SIGN	72400100 REMOVE SIGN PANEL ASSEMBLY- TYPE A EACH
200+45	LT	SPEED LIMIT	1
200+80	RT	STOP	1
308+80	LT	SPEED LIMIT, NO OUTLET, SNOW PARKING	1
309+60	RT	STOP, CROSS TRAFFIC DOES NOT STOP, WEIGHT LIMIT, ONE WAY	1
310+30	LT	YIELD, ONE WAY	1
310+60	RT	YIELD, ONE WAY	1
311+50	LT	STOP, CROSS TRAFFIC DOES NOT STOP, ONE WAY	1
311+70	RT	NO TRUCKS	1
312+20	RT	SPEED LIMIT, WEIGHT LIMIT	1
313+30	RT	NO PARKING	1
316+35	RT	STOP, 2 WAY	1
401+78	RT	INTERSECTION AHEAD, ST LOUIS ST	1
401+78	RT	INTERSECTION AHEAD, ST LOUIS ST	1
406+50	LT	DO NOT ENTER	1
409+60	LT	INTERSECTION AHEAD, ST LOUIS ST	1
409+60	LT	INTERSECTION AHEAD, ST LOUIS ST	1
412+67	LT	NO PARKING ALONG HIGHWAY	1
		TOTAL	17

MEDIAN SCHEDULE

STATION	STATION	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD	60619600 CONCRETE MEDIAN, TYPE SB-6.12 SQ FT
406+05	407+73	137	1227
408+75	410+45	138	1241
TOTAL		275	2468

SIDEWALK SCHEDULE

STA.	TO STA.	OFFSET	44000600 SIDEWALK REMOVAL SQ FT	42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SQ FT	42400800 DETECTABLE WARNINGS SQ FT	35101600 AGGREGATE BASE COURSE, TYPE B 4" SQ YD
305+20	309+19	LT		3048		339
306+81	309+19	RT		2723	30	303
305+20	306+38	RT		1419	31	158
OLD ST LOUIS STREET TOTAL				7190	61	800
91+00	100+29	LT		4539	39	505
91+00	100+29	RT		4809	18	535
102+89	105+70	LT		1600		178
101+45	105+70	RT		3733	33	415
ST LOUIS STREET TOTAL				14681	90	1633
200+59	200+84	RT	157			
200+67	200+86	LT	118			
200+59	201+94	LT/RT		2402	15	267
GARDNER STREET TOTAL			275	2402	15	267
TOTALS			275	24273	166	2700

COMBINATION CONCRETE CURB AND GUTTER SCHEDULE

STA.	TO STA.	OFFSET	44000300 CURB REMOVAL FOOT	44000500 COMBINATION CURB AND GUTTER REMOVAL FOOT	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT
316+42		LT	5		
316+42		RT	7		
316+32	316+42	RT		10	
316+32	316+42	LT		10	
305+20	308+00	LT			280
305+20	306+50	RT			139
306+50	309+11	RT			265
308+00	309+11	LT			151
OLD ST LOUIS STREET TOTAL			12	20	835
91+13	100+27	LT			904
91+13	100+27	RT			967
ST LOUIS STREET (SOUTH) TOTAL			0	0	1871
101+40	105+70	LT			455
101+40	105+70	RT			442
ST LOUIS STREET (NORTH) TOTAL			0	0	897
312+50		LT		64	
313+04		LT		42	
200+50	201+94	LT			187
200+50	201+94	RT			159
GARDNER STREET TOTAL			0	106	346
FROM DRIVEWAY SCHEDULE					43
TOTALS			12	126	3,992

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	17
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

IL ROUTE 53

Chain IL53 contains:
US551 CUR US551 US554

Beginning chain IL53 description
==========

Point US551 N 1,724,491.14 E 1,045,807.67 Sta 400+00.00

Course from US551 to PC US551 N 42° 16' 35.97" E Dist 108.69

Curve Data

Curve US551
P.I. Station 406+40.24 N 1,724,964.86 E 1,046,238.36
Delta = 5° 04' 21.37" (RT)
Degree = 0° 28' 38.87"
Tangent = 531.55
Length = 1,062.40
Radius = 12,000.00
External = 11.77
Long Chord = 1,062.06
Mid. Ord. = 11.76
P.C. Station 401+08.69 N 1,724,571.56 E 1,045,880.78
P.T. Station 411+71.09 N 1,725,325.00 E 1,046,629.32
C.C. N 1,716,499.03 E 1,054,759.65
Back = N 42° 16' 35.97" E
Ahead = N 47° 20' 57.35" E
Chord Bear = N 44° 48' 46.66" E

Course from PT US551 to US554 N 47° 20' 57.35" E Dist 328.91

Point US554 N 1,725,547.84 E 1,046,871.23 Sta 415+00.00

==========
Ending chain IL53 description

GARDNER ST

Chain GARDNER contains:
GARDNER1 GARDNER2 GARDNER3 GARDNER4

Beginning chain GARDNER description
==========

Point GARDNER1 N 1,725,151.89 E 1,046,087.11 Sta 200+00.00

Course from GARDNER1 to GARDNER2 N 88° 18' 28.11" E Dist 94.54

Point GARDNER2 N 1,725,154.68 E 1,046,181.61 Sta 200+94.54

Course from GARDNER2 to GARDNER3 S 56° 51' 19.48" E Dist 54.27

Point GARDNER3 N 1,725,125.01 E 1,046,227.05 Sta 201+48.81

Course from GARDNER3 to GARDNER4 S 56° 51' 19.48" E Dist 45.00

Point GARDNER4 N 1,725,100.41 E 1,046,264.73 Sta 201+93.81

==========
Ending chain GARDNER description

OLD ST LOUIS ST

Chain OLDSTLOUIS contains:
OS1 OS2 OS3 OS4 OS5 OS6 OS7 OS8 OS9

Beginning chain OLDSTLOUIS description
==========

Point OS1 N 1,724,365.93 E 1,046,213.67 Sta 305+00.00

Course from OS1 to OS2 N 0° 58' 02.97" W Dist 158.73

Point OS2 N 1,724,524.63 E 1,046,210.99 Sta 306+58.73

Course from OS2 to OS3 N 0° 47' 28.97" W Dist 176.91

Point OS3 N 1,724,701.53 E 1,046,208.55 Sta 308+35.64

Course from OS3 to OS4 N 0° 19' 11.38" W Dist 106.52

Point OS4 N 1,724,808.05 E 1,046,207.96 Sta 309+42.16

Course from OS4 to OS5 N 1° 16' 33.24" W Dist 224.13

Point OS5 N 1,725,032.12 E 1,046,202.96 Sta 311+66.29

Course from OS5 to OS6 N 2° 23' 38.07" W Dist 164.59

Point OS6 N 1,725,196.57 E 1,046,196.09 Sta 313+30.88

Course from OS6 to OS7 N 1° 11' 36.28" W Dist 185.53

Point OS7 N 1,725,382.06 E 1,046,192.23 Sta 315+16.41

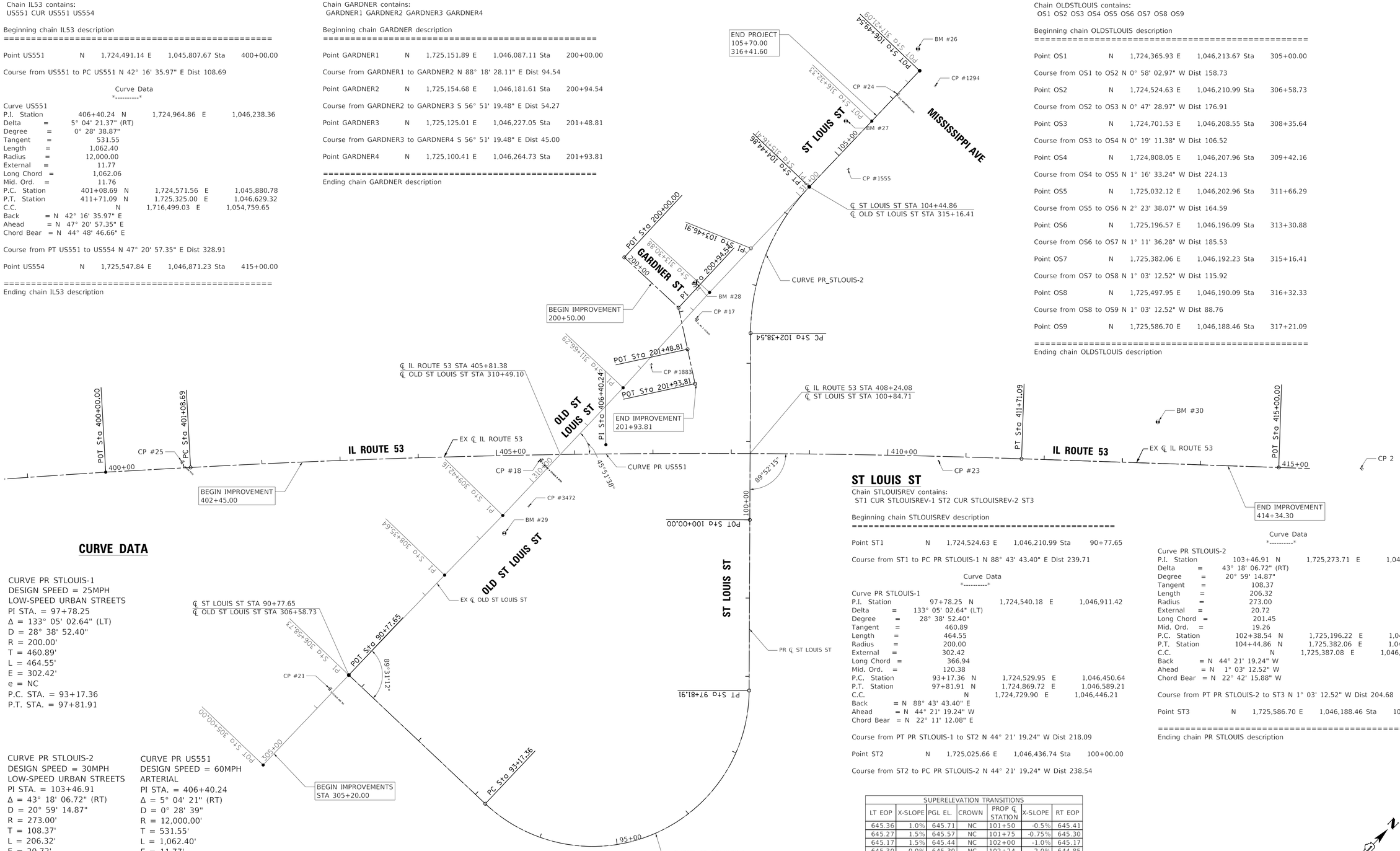
Course from OS7 to OS8 N 1° 03' 12.52" W Dist 115.92

Point OS8 N 1,725,497.95 E 1,046,190.09 Sta 316+32.33

Course from OS8 to OS9 N 1° 03' 12.52" W Dist 88.76

Point OS9 N 1,725,586.70 E 1,046,188.46 Sta 317+21.09

==========
Ending chain OLDSTLOUIS description



CURVE DATA

CURVE PR STLOUIS-1
DESIGN SPEED = 25MPH
LOW-SPEED URBAN STREETS
PI STA. = 97+78.25
Δ = 133° 05' 02.64" (LT)
D = 28° 38' 52.40"
R = 200.00'
T = 460.89'
L = 464.55'
E = 302.42'
e = NC
P.C. STA. = 93+17.36
P.T. STA. = 97+81.91

CURVE PR STLOUIS-2
DESIGN SPEED = 30MPH
LOW-SPEED URBAN STREETS
PI STA. = 103+46.91
Δ = 43° 18' 06.72" (RT)
D = 20° 59' 14.87"
R = 273.00'
T = 108.37'
L = 206.32'
E = 20.72'
e = 2.0%
TR = 24
S.E. RUN = 32'
P.C. STA. = 102+38.54
P.T. STA. = 104+44.86

CURVE PR US551
DESIGN SPEED = 60MPH
ARTERIAL
PI STA. = 406+40.24
Δ = 5° 04' 21" (RT)
D = 0° 28' 39"
R = 12,000.00'
T = 531.55'
L = 1,062.40'
E = 11.77'
e = NC
P.C. STA. = 401+08.69
P.T. STA. = 411+71.09

ST LOUIS ST

Chain STLOUISREV contains:
ST1 CUR STLOUISREV-1 ST2 CUR STLOUISREV-2 ST3

Beginning chain STLOUISREV description
==========

Point ST1 N 1,724,524.63 E 1,046,210.99 Sta 90+77.65

Course from ST1 to PC PR STLOUIS-1 N 88° 43' 43.40" E Dist 239.71

Curve Data

Curve PR STLOUIS-1
P.I. Station 97+78.25 N 1,724,540.18 E 1,046,911.42
Delta = 133° 05' 02.64" (LT)
Degree = 28° 38' 52.40"
Tangent = 460.89
Length = 464.55
Radius = 200.00
External = 302.42
Long Chord = 366.94
Mid. Ord. = 120.38
P.C. Station 93+17.36 N 1,724,529.95 E 1,046,450.64
P.T. Station 97+81.91 N 1,724,869.72 E 1,046,589.21
C.C. N 1,724,729.90 E 1,046,446.21
Back = N 88° 43' 43.40" E
Ahead = N 44° 21' 19.24" W
Chord Bear = N 22° 11' 12.08" E

Course from PT PR STLOUIS-1 to ST2 N 44° 21' 19.24" W Dist 218.09

Point ST2 N 1,725,025.66 E 1,046,436.74 Sta 100+00.00

Course from ST2 to PC PR STLOUIS-2 N 44° 21' 19.24" W Dist 238.54

Curve Data

Curve PR STLOUIS-2
P.I. Station 103+46.91 N 1,725,273.71 E 1,046,194.22
Delta = 43° 18' 06.72" (RT)
Degree = 20° 59' 14.87"
Tangent = 108.37
Length = 206.32
Radius = 273.00
External = 20.72
Long Chord = 201.45
Mid. Ord. = 19.26
P.C. Station 102+38.54 N 1,725,196.22 E 1,046,269.98
P.T. Station 104+44.86 N 1,725,382.06 E 1,046,192.23
C.C. N 1,725,387.08 E 1,046,465.18
Back = N 44° 21' 19.24" W
Ahead = N 1° 03' 12.52" W
Chord Bear = N 22° 42' 15.88" W

Course from PT PR STLOUIS-2 to ST3 N 1° 03' 12.52" W Dist 204.68

Point ST3 N 1,725,586.70 E 1,046,188.46 Sta 106+49.54

==========
Ending chain PR STLOUIS description

SUPERELEVATION TRANSITIONS						
LT EOP	X-SLOPE	PGL EL.	CROWN	PROP ℄ STATION	X-SLOPE	RT EOP
645.36	1.0%	645.71	NC	101+50	-0.5%	645.41
645.27	1.5%	645.57	NC	101+75	-0.75%	645.30
645.17	1.5%	645.44	NC	102+00	-1.0%	645.17
645.30	0.0%	645.30	NC	102+24	-2.0%	644.85
645.38	-2.0%	645.02	SE	102+56	-2.0%	644.63
646.10	-2.0%	645.74	SE	104+28	-2.0%	645.41
645.38	0.0%	645.38	NC	104+60	-2.0%	645.07
644.93	2.0%	645.23	NC	104+84	-2.0%	644.93

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN Consulting Engineers

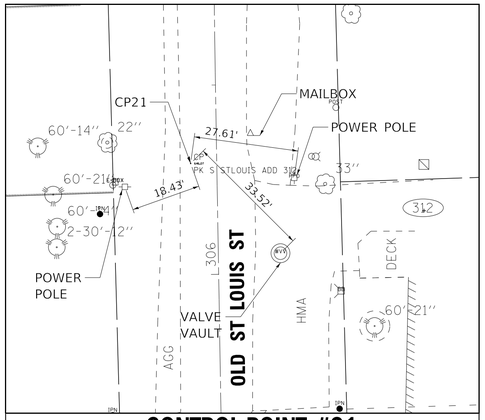
USER NAME = 765aks	DESIGNED - AKS	REVISED -	
	DRAWN - CJC	REVISED -	
PLOT SCALE = 60.0000 ' / in.	CHECKED - DTH	REVISED -	
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Align1.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

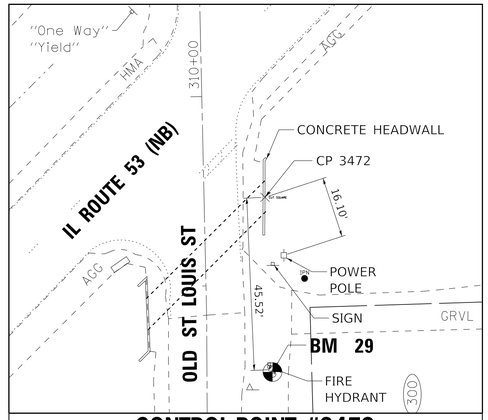
SCALE: 1" = 60' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	18
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



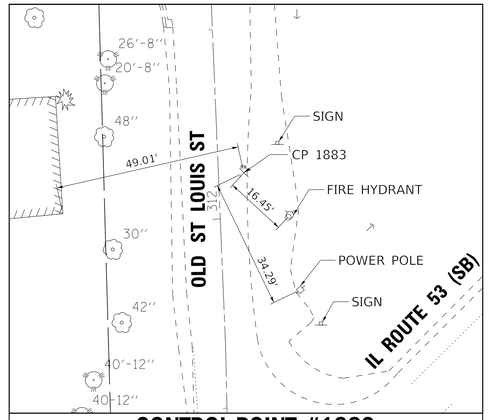
CONTROL POINT #21

N=1724495.17 STA 306+29.38 ELEV 646.07
E=1046204.60 OFFSET 6.89' LT PK NAIL



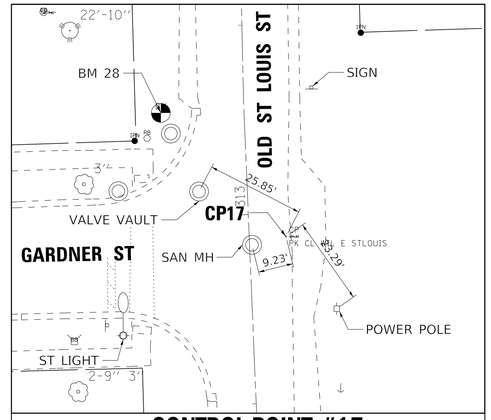
CONTROL POINT #3472

N=1724839.29 STA 309+73.05 ELEV 643.81
E=1046223.36 OFFSET 16.09' RT SN CUT SQUARE



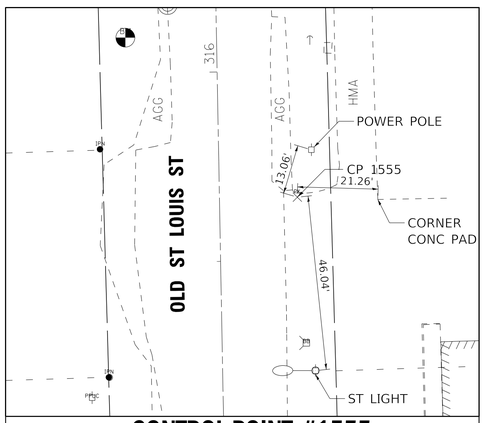
CONTROL POINT #1883

N=1725078.01 STA 312+11.94 ELEV 644.16
E=1046207.80 OFFSET 6.75' RT PK NAIL



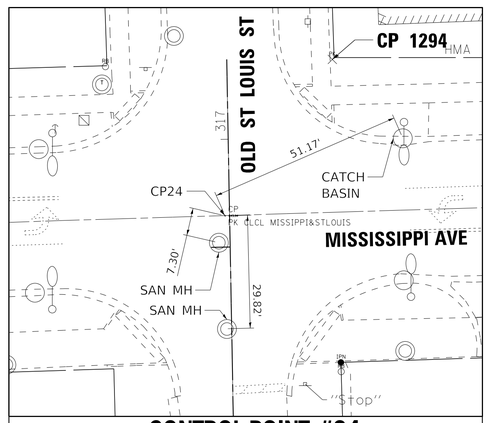
CONTROL POINT #17

N=1725159.90 STA 312+93.77 ELEV 644.82
E=1046207.33 OFFSET 9.70' LT PK NAIL



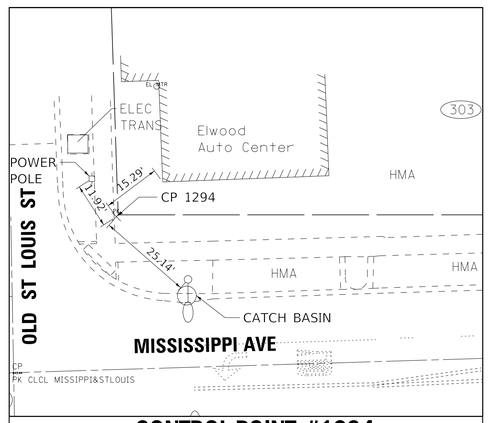
CONTROL POINT #1555

N=1725432.59 STA 315+66.57 ELEV 644.78
E=1046211.87 OFFSET 20.57' RT PK NAIL



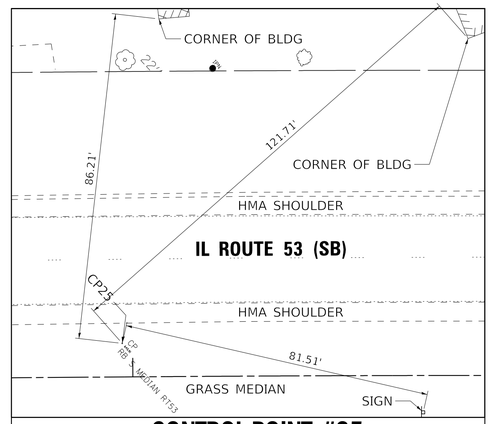
CONTROL POINT #24

N=1725545.41 STA 316+79.81 ELEV 643.94
E=1046188.04 OFFSET 1.18' LT PK NAIL



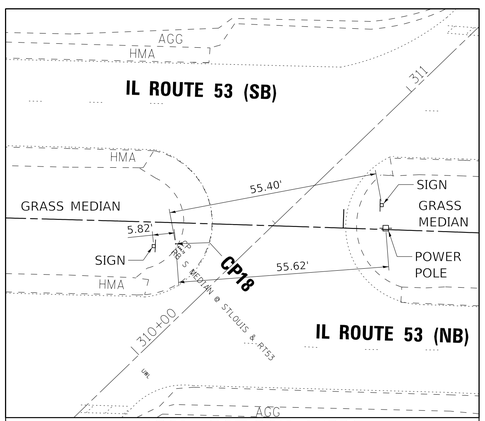
CONTROL POINT #1294

N=1725586.68 STA 317+20.55 ELEV 643.43
E=1046216.35 OFFSET 27.88' RT PK NAIL



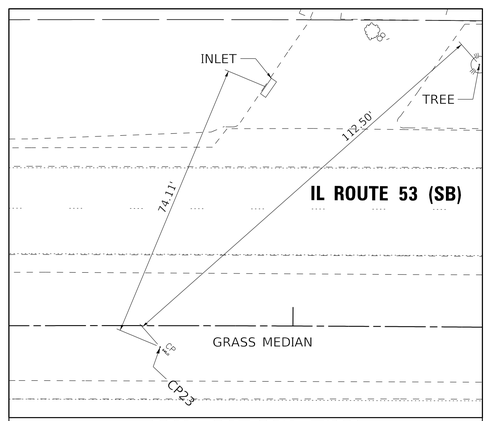
CONTROL POINT #25

N=1724569.06 STA 400+97.25 ELEV 643.91
E=1045866.54 OFFSET 8.86' LT PK NAIL



CONTROL POINT #18

N=1724892.89 STA 405+55.92 ELEV 644.72
E=1046191.72 OFFSET 5.57' RT RB



CONTROL POINT #23

N=1725248.62 STA 410+64.94 ELEV 645.11
E=1046555.42 OFFSET 5.64' RT

BENCHMARKS

BM 26 - EL 645.35 (NAV88)
NW ARROW BONNET FH @ NWX MISSISSIPPI AVE & OLD ST LOUIS ST

BM 27 - EL 645.72 (NAV88)
NW ARROW BONNET FH @ SWX MISSISSIPPI AVE & OLD ST LOUIS ST

BM 28 - EL 646.57 (NAV88)
NW ARROW BONNET FH @ NWX GARDNER ST & OLD ST LOUIS ST

BM 29 - EL 646.47 (NAV88)
NE ARROW BONNET FH @ NEX IL ROUTE 53 & OLD ST LOUIS ST

DATUM IS NAV 88.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
765aks 7/29/2019 1:25:39 PM
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BAXTER & WOODMAN Consulting Engineers

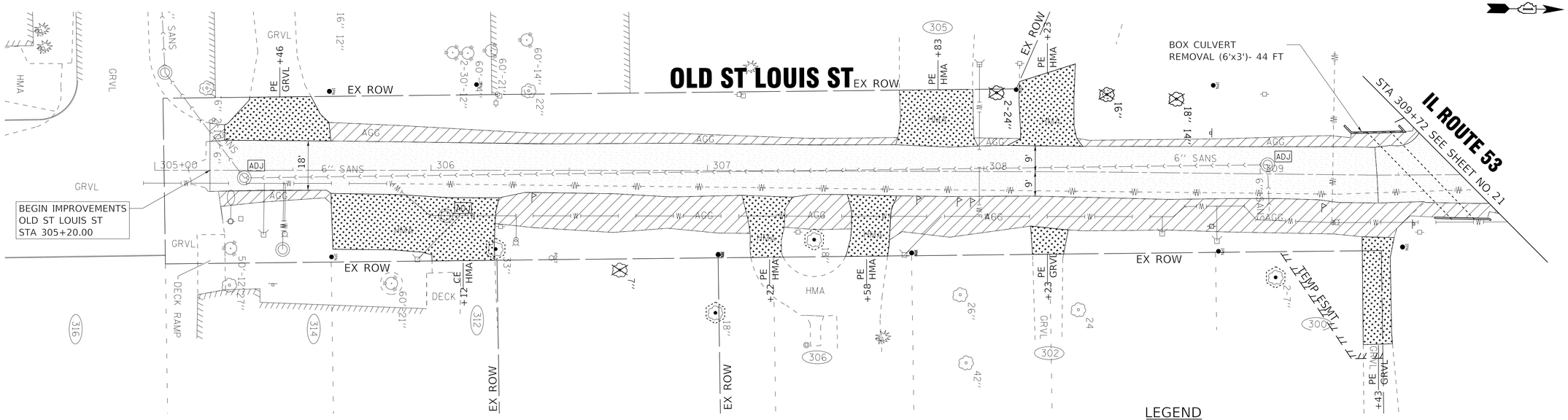
USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Align2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

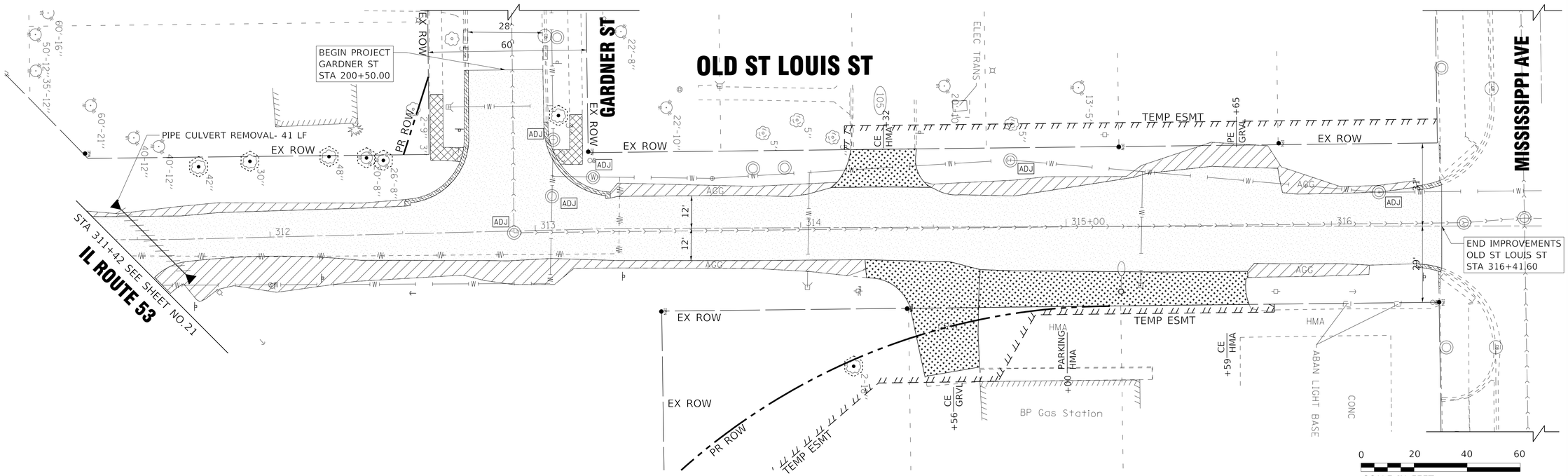
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	19
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT COWU(521)	



LEGEND

- PAVEMENT REMOVAL
- COMBINATION CURB & GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- PAVED SHOULDER REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- R — DRAINAGE STRUCTURE TO BE REMOVED
- ADJ — STRUCTURE TO BE ADJUSTED
- TREE REMOVAL
- TREE TRUNK PROTECTION



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SCALE IN FEET

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

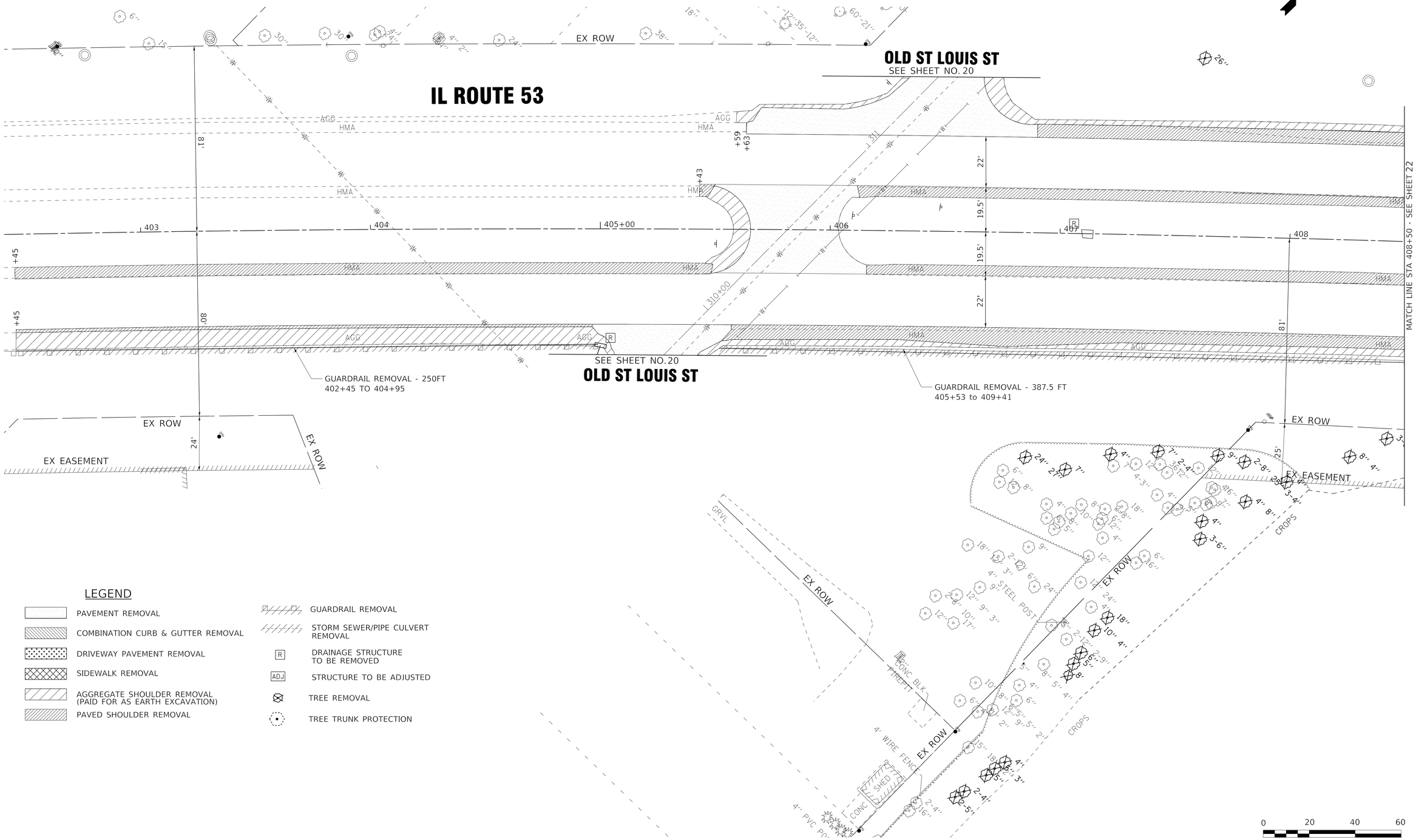
USER NAME = 765aks	DESIGNED - AKS	REVISED -	
	DRAWN - CJC	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -	
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Removal1.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
OLD ST LOUIS STREET

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	20
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



LEGEND

- PAVEMENT REMOVAL
- COMBINATION CURB & GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- PAVED SHOULDER REMOVAL
- GUARDRAIL REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- R — DRAINAGE STRUCTURE TO BE REMOVED
- ADJ — STRUCTURE TO BE ADJUSTED
- TREE REMOVAL
- TREE TRUNK PROTECTION

0 20 40 60
SCALE IN FEET

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

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	DRAWN - CJC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
IL ROUTE 53

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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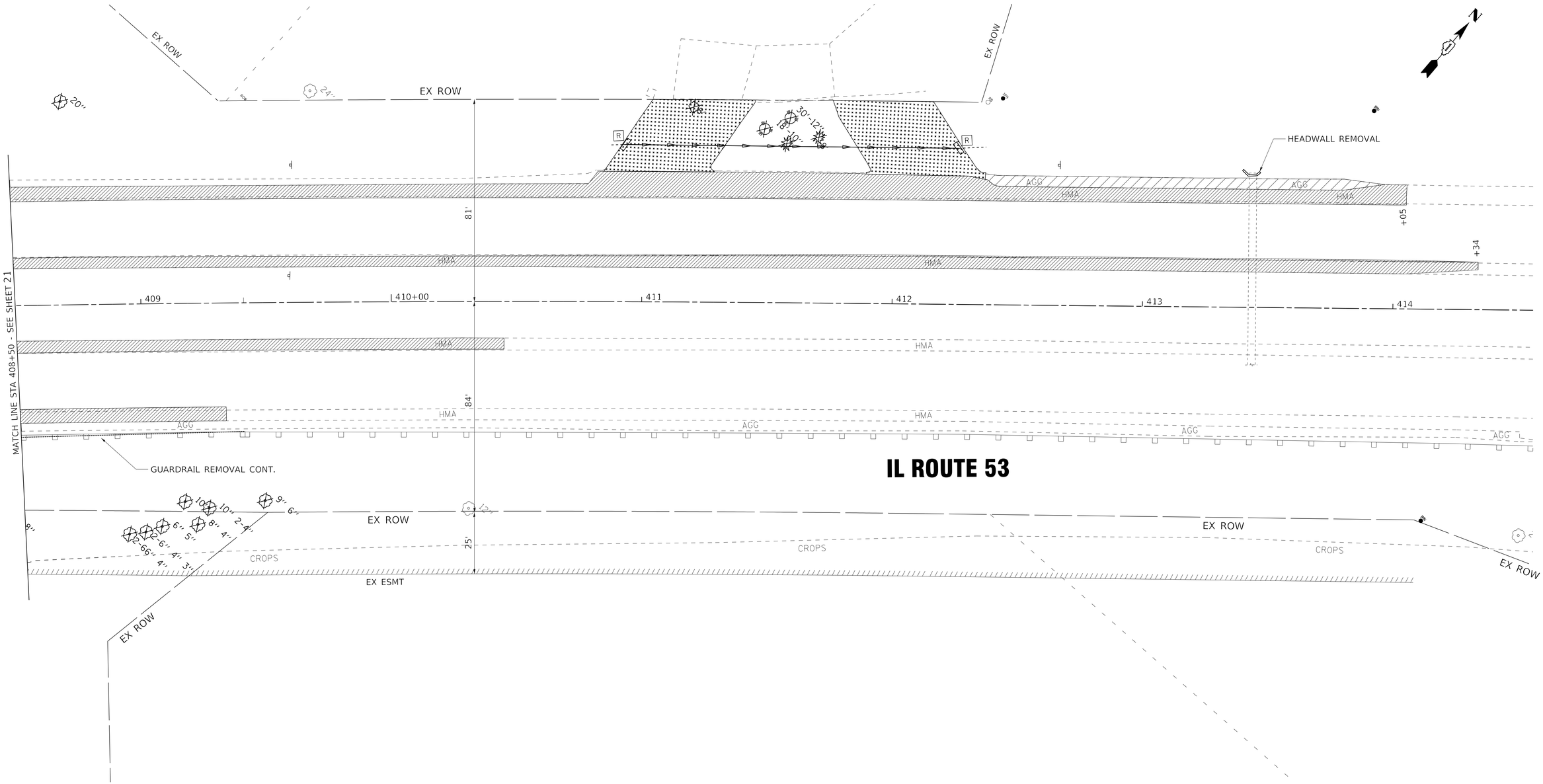
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		



IL ROUTE 53

LEGEND

- PAVEMENT REMOVAL
- COMBINATION CURB & GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- PAVED SHOULDER REMOVAL
- GUARDRAIL REMOVAL
- STORM SEWER/PIPE CULVERT REMOVAL
- R — DRAINAGE STRUCTURE TO BE REMOVED
- ADJ — STRUCTURE TO BE ADJUSTED
- TREE REMOVAL
- TREE TRUNK PROTECTION

0 20 40 60
SCALE IN FEET

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
IL ROUTE 53

SCALE: 1" = 20' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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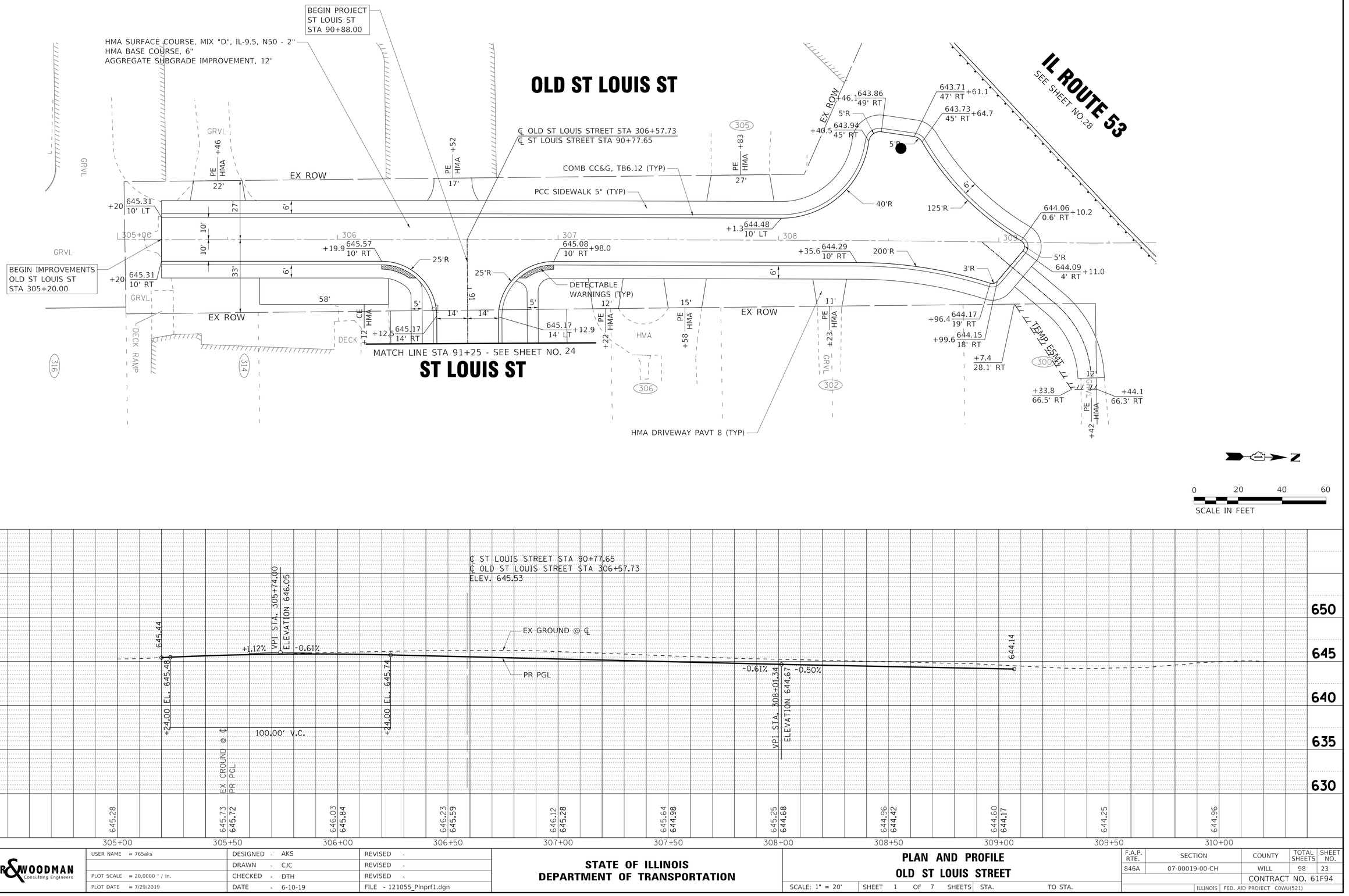
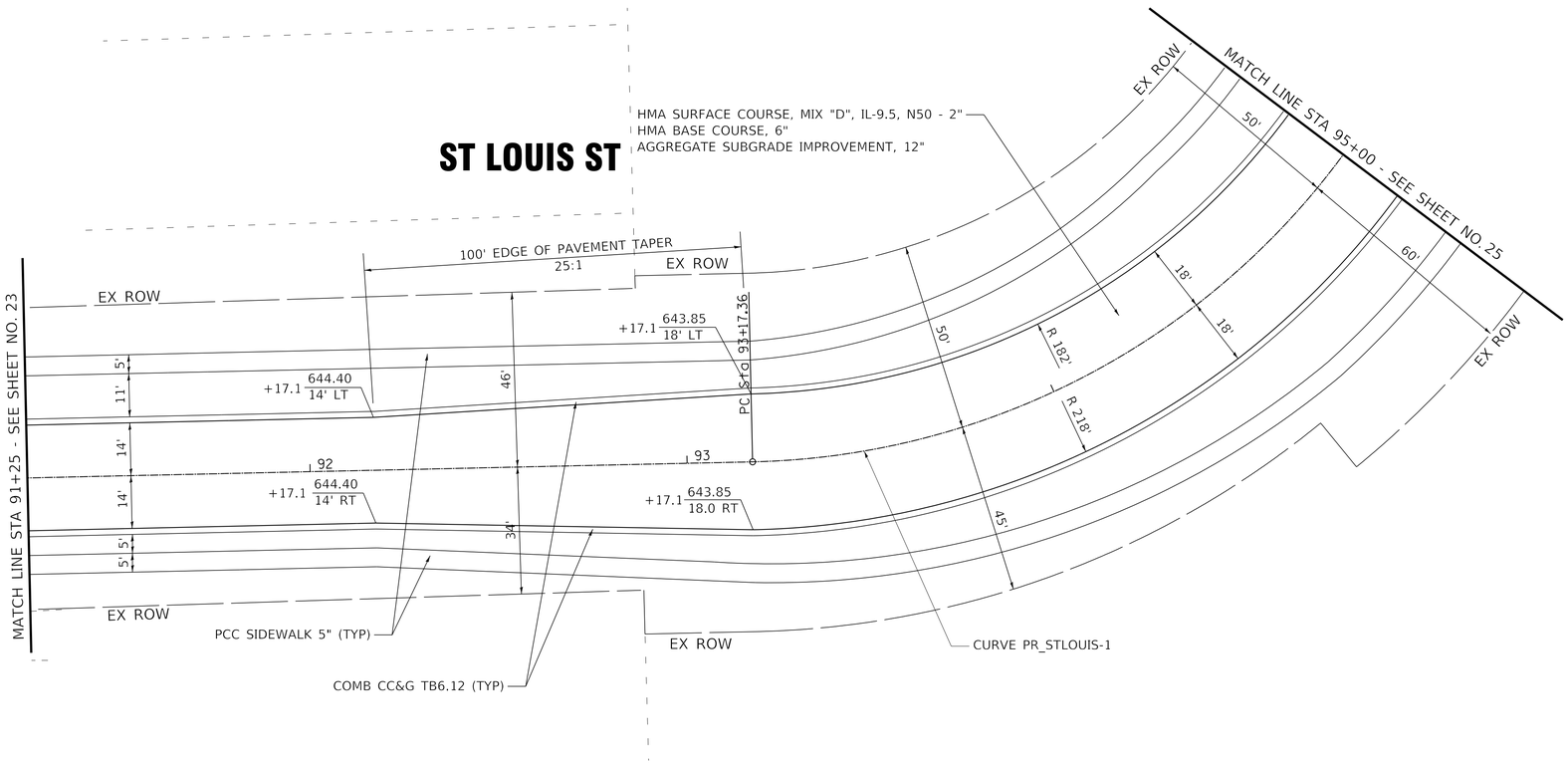
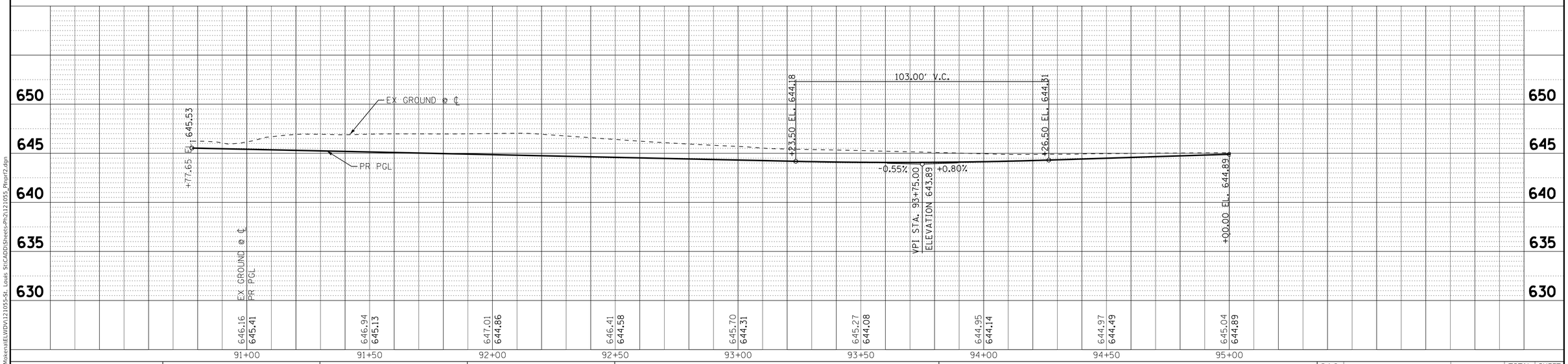
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		


BEGIN PROJECT
ST LOUIS ST
STA 90+88.00
HMA SURFACE COURSE, MIX "D", IL-9.5, N50 - 2"
HMA BASE COURSE, 6"
AGGREGATE SUBGRADE IMPROVEMENT, 12"
OLD ST LOUIS ST
IL ROUTE 53
SEE SHEET NO.28
℄ OLD ST LOUIS STREET STA 306+57.73
℄ ST LOUIS STREET STA 90+77.65
COMB CC&G, TB6.12 (TYP)
PCC SIDEWALK 5" (TYP)
EX ROW
GRVL
BEGIN IMPROVEMENTS
OLD ST LOUIS ST
STA 305+20.00
645.31
10' LT
645.31
10' RT
645.57
10' RT
645.08
10' RT
644.48
10' LT
644.29
10' RT
644.06
0.6' RT
644.09
4' RT
643.86
49' RT
643.94
45' RT
643.71
47' RT
643.73
45' RT
644.17
19' RT
644.15
18' RT
645.17
14' RT
645.17
14' LT
644.17
28.1' RT
644.17
66.5' RT
644.17
66.3' RT
644.17
66.3' RT
644.17
66.3

Curve PR STLOUIS-1
P.I. Station 97+78.25 N
Delta = 133° 05' 02.64" (LT)
Degree = 28° 38' 52.40"
Tangent = 460.89
Length = 464.55
Radius = 200.00
External = 302.42
Long Chord = 366.94
Mid. Ord. = 120.38
P.C. Station 93+17.36 N
P.T. Station 97+81.91 N
Back = N 88° 43' 43.40" E
Ahead = N 44° 21' 19.24" W
Chord Bear = N 22° 11' 12.08" E





BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE ST LOUIS STREET
		DRAWN - CJC	REVISED -		SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. TO STA.
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -		
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plnprf2.dgn		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	24
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT COWU(521)	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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MATCH LINE STA 95+00 - SEE SHEET NO. 24

95+00

EX ROW

EX ROW

EX ROW

EX ROW

+39
50' LT

50'

60'

96'

182'R

218'R

5'

14'

18'

18'

14'

5'

HMA SURFACE COURSE, MIX "D", IL-9.5, N50 - 2"
HMA BASE COURSE, 6"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

PCC SIDEWALK 5" (TYP)

COMB CC&G TB6.12 (TYP)

CURVE PR_STLOUIS-1
SEE SHEET 24FOR CURVE DATA

ST LOUIS ST

PT STA 97+81.91

+81.9
39' RT

643.83
18' LT
+81.9

643.81
18' LT
+35.4

643.97
18' LT
+61.1

600'R

+67.2 645.11
38' LT

+58.4 645.03
33' LT

+68.8 644.56
27.2' LT

643.83
18' RT
+81.9

+67.9 645.11
23.6' RT

644.31
33' RT
+99.7

+50
60' RT

+82
60' RT

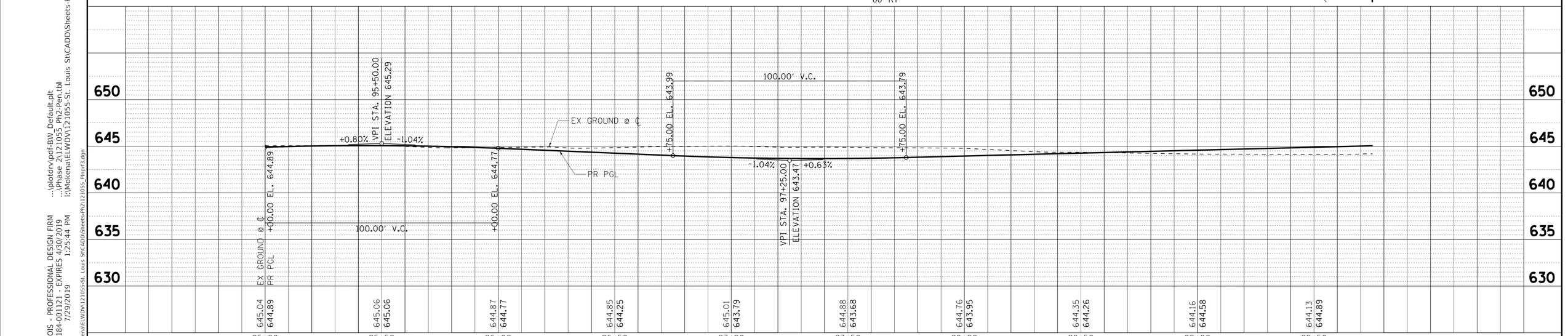
EX ROW

98

99

MATCH LINE STA 99+75 - SEE SHEET NO. 26

0 20 40 60
SCALE IN FEET



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0008 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plnprf3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
ST LOUIS STREET

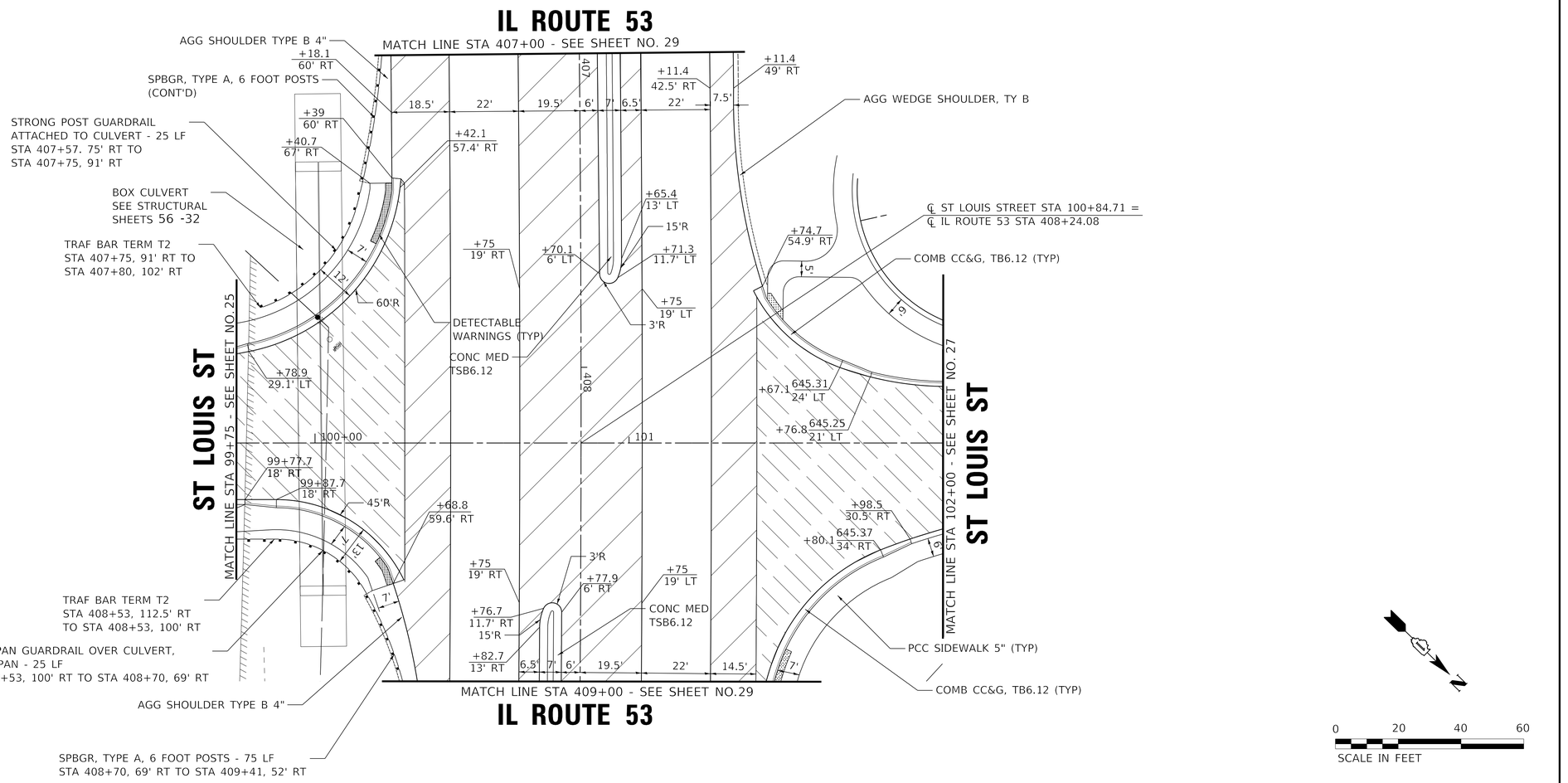
SCALE: 1" = 20' | SHEET 3 OF 7 SHEETS | STA. | TO STA.

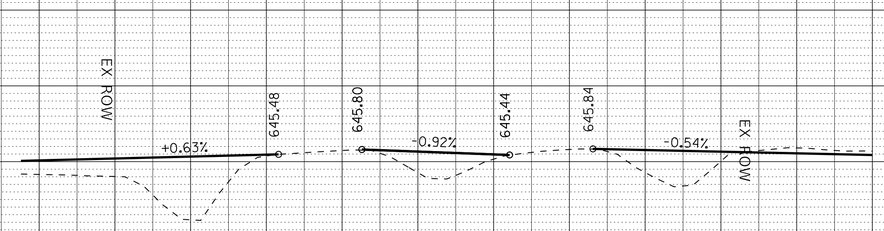
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	25
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

HMA SC "D" IL-9.5 N50 - 2"
HMA BASE CSE 6"
AGG SUBGRADE IMP 12"

HMA SC "D" IL-9.5 N70 - 2"
HMA BASE CSE 12 1/4"
AGG SUBGRADE IMP 12"

HMA SC "D" IL-9.5 N70 - 2"
HMA BC WID 12 1/4"
AGG SUBGRADE IMP 12"





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	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plnprf4.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
ST LOUIS STREET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	26
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT C0WU(521)			

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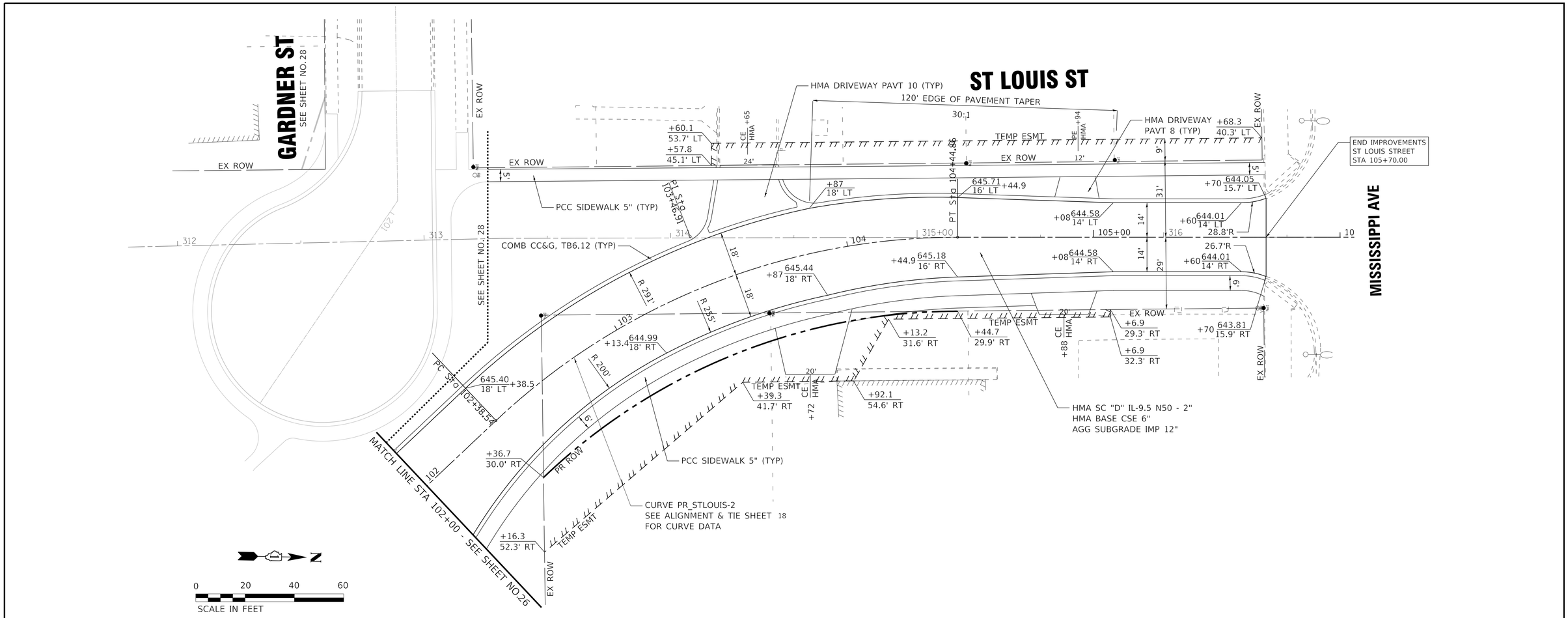

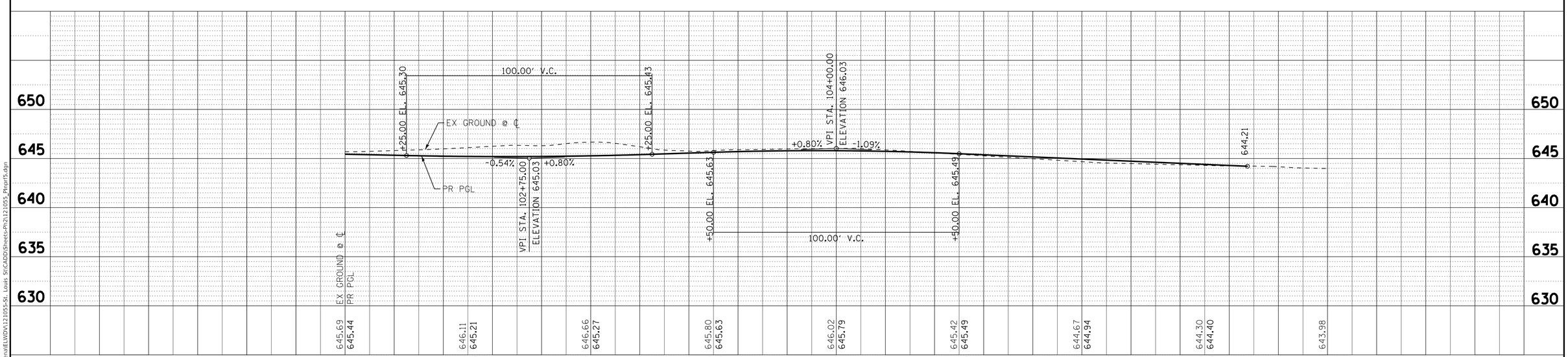

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

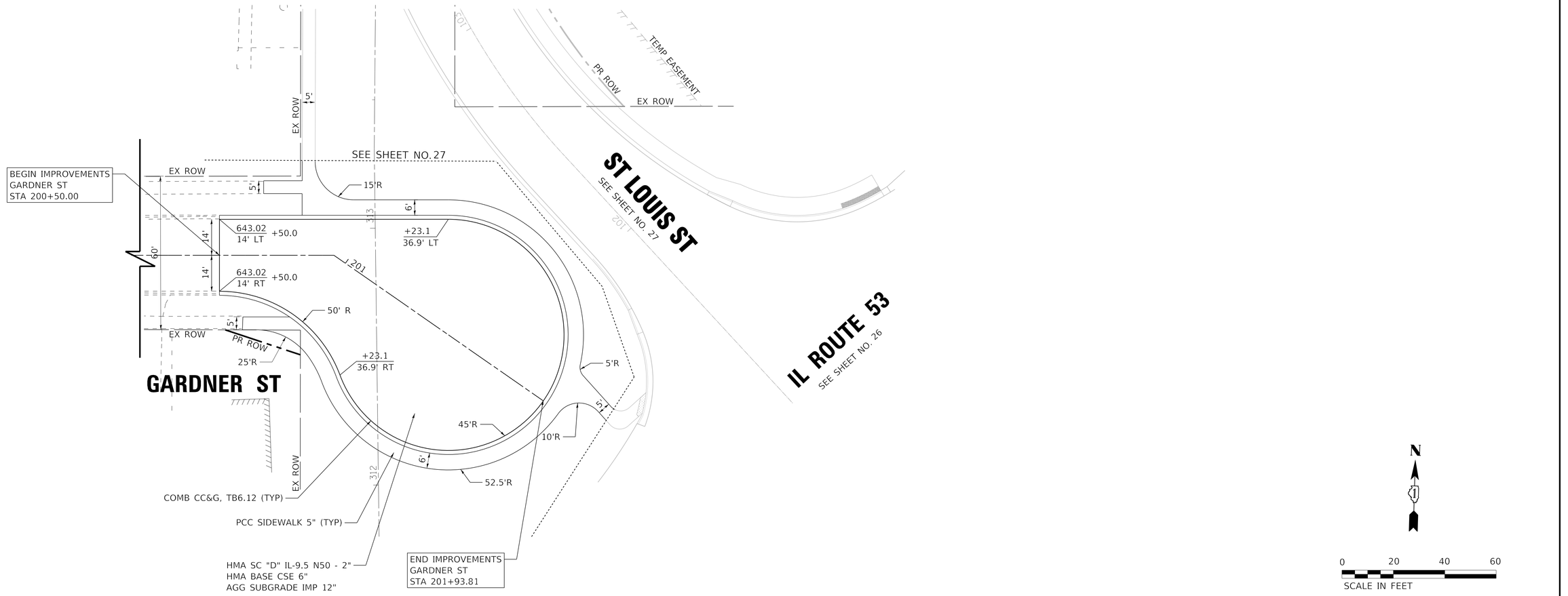
PLAN & PROFILE
ST LOUIS STREET

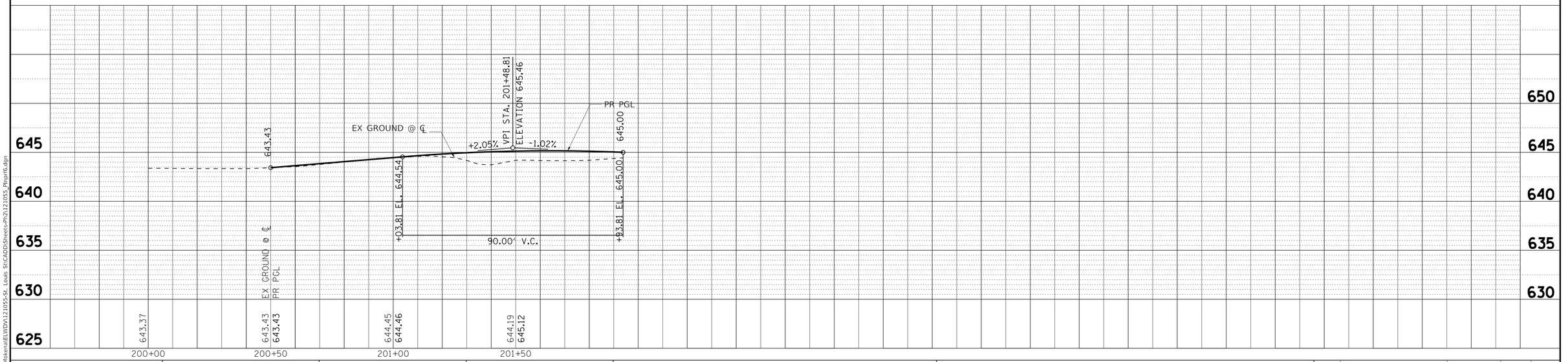
SCALE: 1" = 20' | SHEET 5 OF 7 SHEETS | STA. 102+00 TO STA. 105+70

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	27

CONTRACT NO. 61F94

ILLINOIS | FED. AID PROJECT C0WU(521)





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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	28
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT C0WU(521)	

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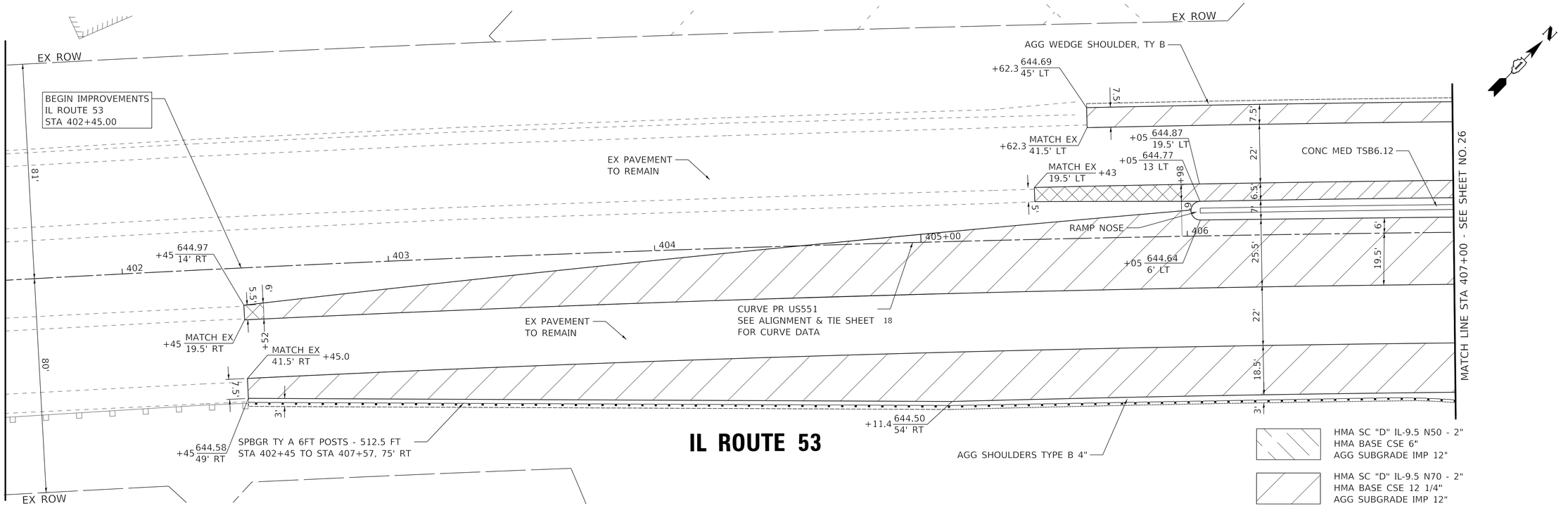

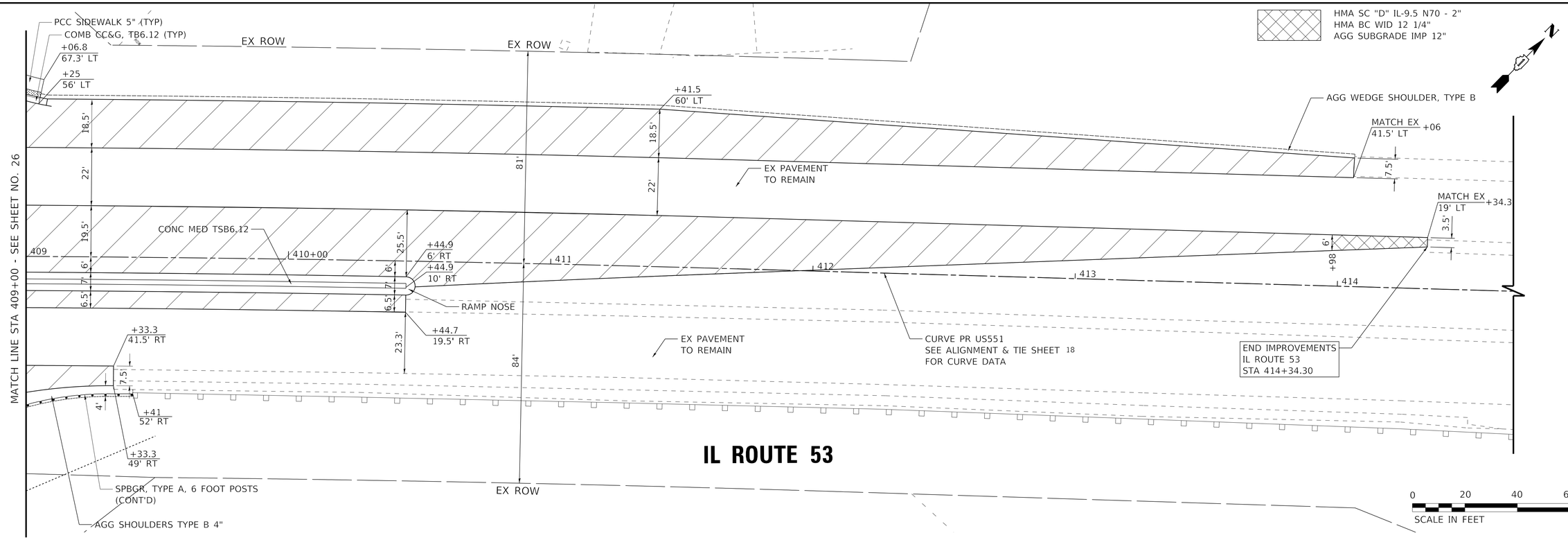

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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plnprf7.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL ROUTE 53

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	29
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVE THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR ANY EROSION CONTROL DEFICIENCY EXISTS.

2. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT, HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF CHANGES TO THE STAGING PLANS, OR ANY CHANGE IN STAGE.

4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. ALL SIDE STREETS SHALL BE OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH DAY.

6. PROVIDE 24 HOUR ADVANCED NOTIFICATION TO ELWOOD POLICE (815) 424-1090 AND FIRE (815) 423-5224 WHEN LOCAL ROADS ARE TO BE TEMPORARILY CLOSED.

7. CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSING OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE VILLAGE AT LEAST THREE DAYS PRIOR. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE 48-HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.

8. STAGED CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL CONFLICTING SIGNS, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES HAVE BEEN REMOVED OR COVERED AND TEMPORARY TRAFFIC CONTROL MEASURES HAVE BEEN PLACED TO THE SATISFACTION OF THE ENGINEER.

9. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS, WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN, INCLUDING PRIOR TO LANE CLOSURES.

10. THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID PER THE DISTRICT ONE DETAIL TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (PRIVATE ENTRANCE) OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE).

11. ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.

12. ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR COVERED WITH STEEL PLATES EXCEPT DURING ACTUAL CONSTRUCTION THERE IN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH IT APPLIES.

13. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.

14. TYPE I, TYPE II, OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

15. THE FURNISHING, INSTALLING AND RELOCATION OF ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), ILLINOIS SUPPLEMENT TO THE MUTCD, IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, IDOT STANDARD SPECIFICATIONS, CONTRACT SPECIFICATIONS AND AS DETERMINED BY THE ENGINEER. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

16. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING LANE CLOSURES.

17. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DETERMINED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.

18. ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

19. ALL PAVEMENT MARKINGS CONFLICTING WITH THE REVISED TRAFFIC PATTERNS SHALL BE REMOVED. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING CONFLICTS WITH THE PERMANENT PAVEMENT MARKINGS SUCH AS ON TAPERS OR LANE SHIFTS.

20. THE CONTRACTOR SHALL REMOVE OR COVER ALL WORKERS (W21-1(O)) OR FLAGGER (W20-7(O)) SIGNS WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN AN HOUR.

SEQUENCE OF CONSTRUCTION

PRE-STAGE STORM WATER CONSTRUCTION
1. CONSTRUCT DRAINAGE BASIN.

STAGE 1- CONSTRUCTION
1. CONSTRUCT PROPOSED BOX CULVERT. USE HIGHWAY STANDARD 701422 AND 701101 ON IL ROUTE 53.
2. CONSTRUCT PROPOSED ST LOUIS STREET ON NEW ALIGNMENT SOUTH OF IL ROUTE 53.
3. ESTABLISH EROSION CONTROL MEASURES.

STAGE 2- CONSTRUCTION
1. CONSTRUCT SOUTHBOUND MEDIAN AND LEFT TURN LANE ON IL ROUTE 53 UP TO PROPOSED ST LOUIS STREET. USE HIGHWAY STANDARD 701422 WHILE MAINTAINING 1 LANE IN EACH DIRECTION.
2. CONSTRUCT GUARDRAIL ON EAST SIDE OF ST LOUIS STREET, SOUTH OF IL ROUTE 53. USE HIGHWAY STANDARD 701101.

STAGE 3- CONSTRUCTION
1. ERECT DETOUR FOR OLD ST LOUIS STREET.
2. REMOVE OLD ST LOUIS STREET SOUTH OF IL ROUTE 53 WHILE MAINTAINING ACCESS TO RESIDENTIAL DRIVEWAYS. USE HIGHWAY STANDARD 701101 AND 701422.
3. REMOVE EXISTING BOX CULVERT.
4. CONSTRUCT OLD ST LOUIS STREET SOUTH OF IL ROUTE 53.
5. CONSTRUCT NORTHBOUND RIGHT TURN LANE ON IL ROUTE 53.

STAGE 4- CONSTRUCTION
1. CONSTRUCT NORTHBOUND MEDIAN AND LEFT TURN LANE ON IL ROUTE 53. USE HIGHWAY STANDARD 701422 WHILE MAINTAINING 1 LANE IN EACH DIRECTION.
2. CONSTRUCT GUARDRAIL ALONG EASTBOUND IL ROUTE 53. USE HIGHWAY STANDARD 701101 AND 701422.

STAGE 5- CONSTRUCTION
1. REMOVE NORTH SEGMENT OF EXISTING ST LOUIS STREET. USE HIGHWAY STANDARD 701101 AND 701422.
2. CONSTRUCT SOUTHBOUND RIGHT TURN LANE. USE HIGHWAY STANDARD 701101 AND 701422.
3. CONSTRUCT NORTH SEGMENT OF ST LOUIS STREET AND GARDNER CUL-DE-SAC.

END OF CONSTRUCTION
1. REMOVE DETOUR FOR OLD ST LOUIS STREET.
2. UNCOVER ALL PERMANENT SIGNS.
3. COMPLETE PARKWAY RESTORATION AND LANDSCAPING.
4. COMPLETE PUNCH LIST ITEMS.

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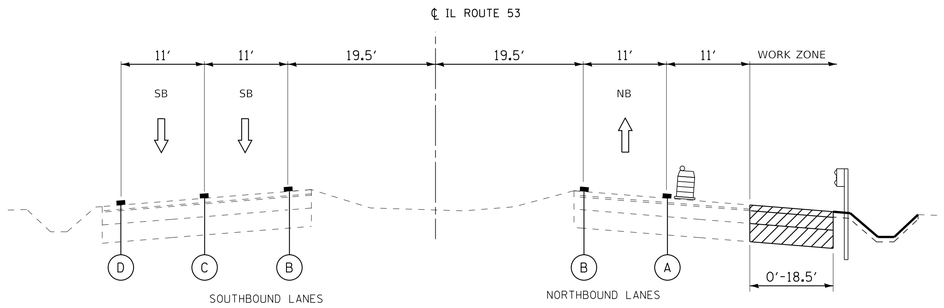
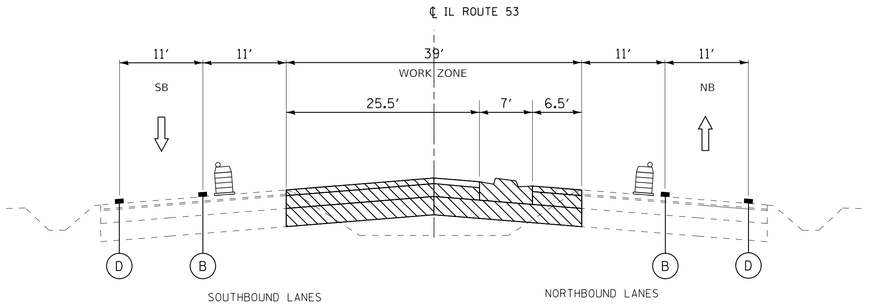


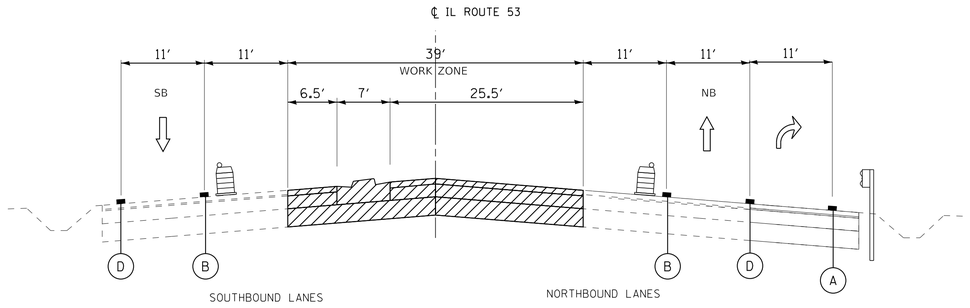
TYPICAL SECTION – STAGE 1 AND 3

STAGE 1: STA 407+00 TO STA 409+35
STAGE 3: STA 402+45 TO STA 407+66



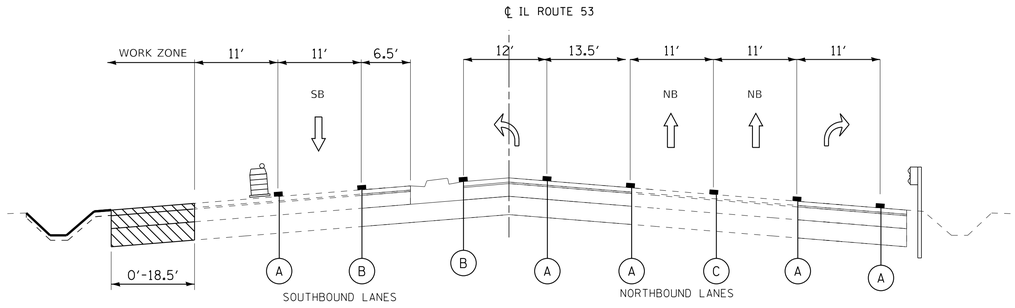
TYPICAL SECTION – STAGE 2

STA 407+73 TO STA 414+34



TYPICAL SECTION – STAGE 4

STA 402+45 TO STA 407+73



TYPICAL SECTION – STAGE 5

STA XXX+XX TO STA XXX+XX

LEGEND

- DIRECTION OF TRAFFIC
- REMOVAL
- PROPOSED WORK
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' C-C ON RADII
- (A) PAVEMENT MARKING TAPE, TYPE IV - 4" (WHITE)
- (B) PAVEMENT MARKING TAPE, TYPE IV - 4" (YELLOW)
- (C) PAVEMENT MARKING TAPE, TYPE IV - 4" (SKIP-DASH WHITE) (30' DASH, 10' SKIP)
- (D) EXISTING PAVEMENT MARKING

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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	31
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

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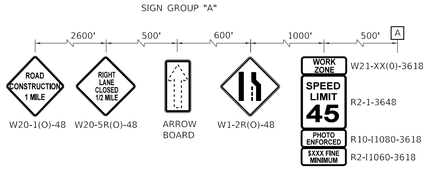

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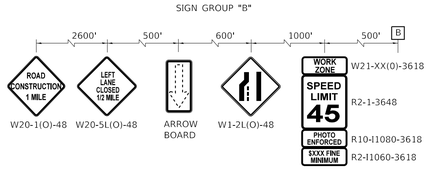


C



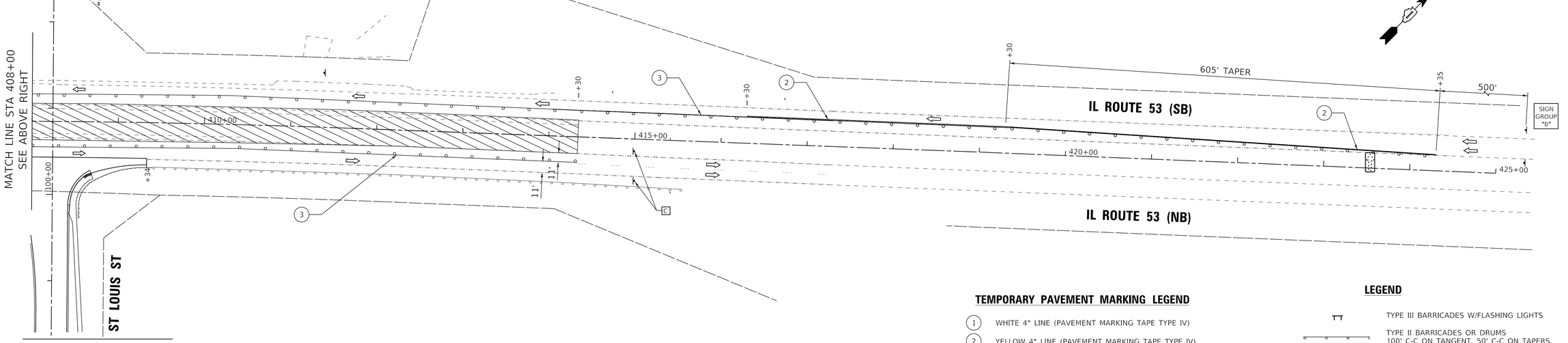
D



R M6-1R(0)

L M6-1L(0)

M M6-4(0)



TEMPORARY PAVEMENT MARKING LEGEND

1. WHITE 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
2. YELLOW 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
3. EXISTING WHITE 4" SKIP-DASH

NOTES

1. OLD ST. LOUIS STREET TO REMAIN OPEN.
2. SEE HIGHWAY STANDARD 701422 FOR SIGN SPACING AND LAYOUT.

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS 100' C-C ON TANGENT, 50' C-C ON TAPERS, AND 12' ON RADII.
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- VERTICAL PANELS (50' C-C, 25' ON CURVES, 20' ON TAPERS)

0 60 120 180

SCALE IN FEET

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BAXTER & WOODMAN Consulting Engineers

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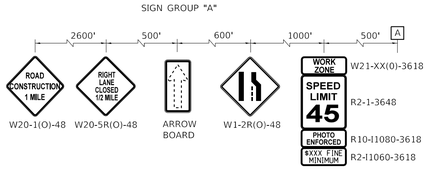
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE 2

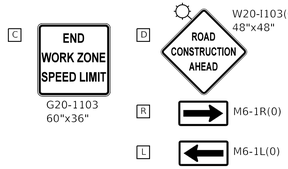
SCALE: 1" = 60' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	32
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

SIGN GROUP "A"



W20-1(O)-48 W20-5R(O)-48 ARROW BOARD W1-2R(O)-48 W21-XX(0)-3618 R2-1-3648 R10-I1080-3618 R2-I1060-3618



TEMPORARY PAVEMENT MARKING LEGEND

1. WHITE 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
2. YELLOW 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
3. EXISTING WHITE 4" SKIP-DASH

NOTES

1. ST. LOUIS STREET DETOUR IN PLACE.
2. SEE HIGHWAY STANDARD 701422 FOR SIGN SPACING AND LAYOUT.

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS 100' C-C ON TANGENT, 50' C-C ON TAPERS, AND 12' ON RADII.
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- VERTICAL PANELS (50' C-C, 25' ON CURVES, 20' ON TAPERS)

0 60 120 180
SCALE IN FEET

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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BAXTER & WOODMAN Consulting Engineers

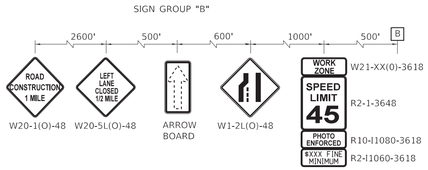
USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 60.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_MOT-Stage3.dgn

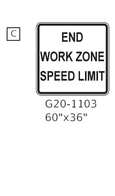
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

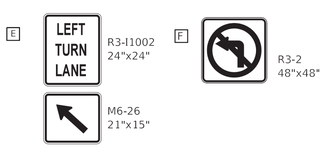
SUGGESTED MAINTENANCE OF TRAFFIC PLAN
STAGE 3

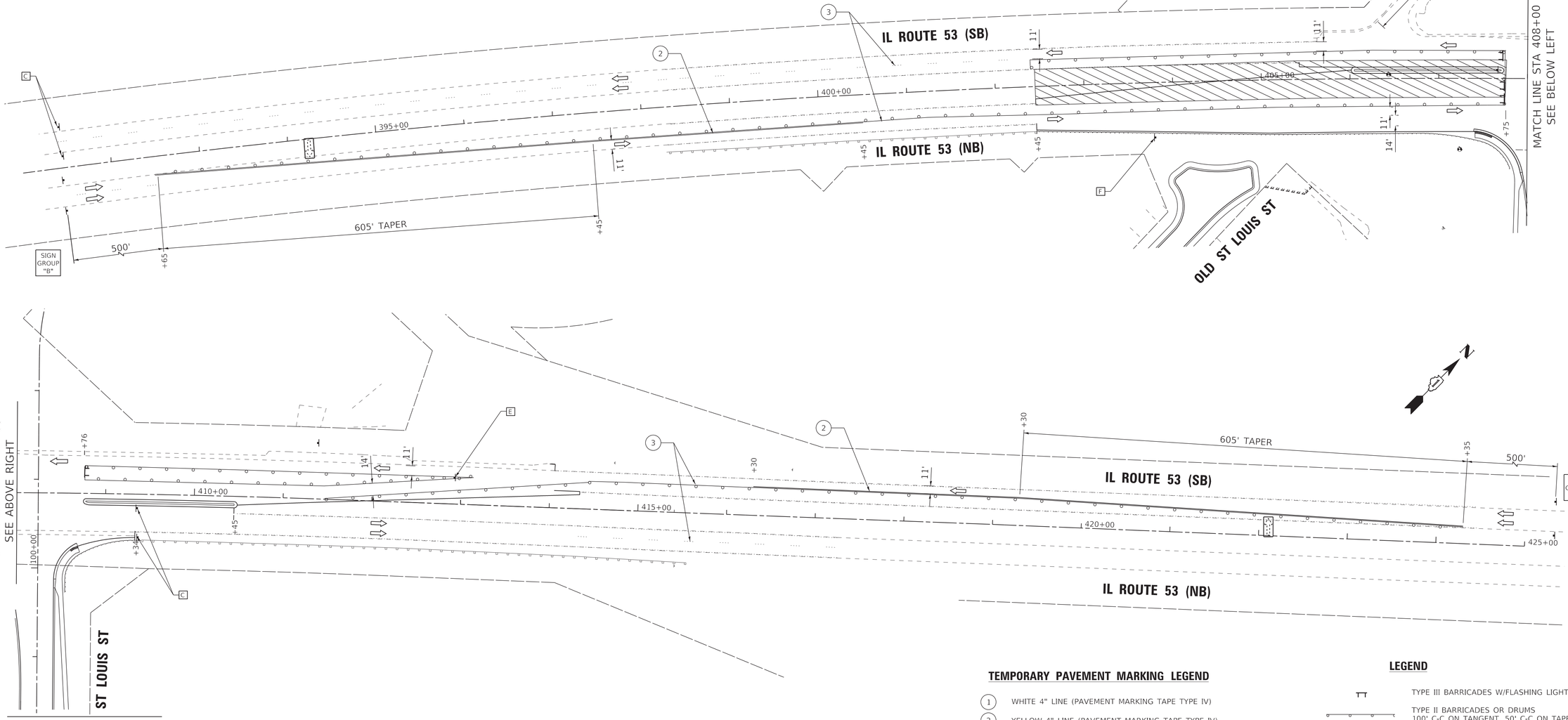
SCALE: 1" = 60' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	33
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		









TEMPORARY PAVEMENT MARKING LEGEND

1. WHITE 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
2. YELLOW 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
3. EXISTING WHITE 4" SKIP-DASH

NOTES

1. ST. LOUIS STREET DETOUR IN PLACE.
2. SEE HIGHWAY STANDARD 701422 FOR SIGN SPACING AND LAYOUT.

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS 100' C-C ON TANGENT, 50' C-C ON TAPERS, AND 12' ON RADII.
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- VERTICAL PANELS (50' C-C, 25' ON CURVES, 20' ON TAPERS)

0 60 120 180
SCALE IN FEET

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
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PLOT DATE = 8/16/2019	DATE - 6-10-19	FILE - 121055_MOT-Stage4.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN
STAGE 4

SCALE: 1" = 60' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	34
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

SIGN GROUP "A"

2600' 500' 600' 1000' 500' A

W20-1(O)-48 — ROAD CONSTRUCTION 1 MILE

W20-5R(O)-48 — RIGHT LANE CLOSED 1/2 MILE

ARROW BOARD

W1-2R(O)-48

W21-XX(0)-3618 — WORK ZONE

R2-1-3648 — SPEED LIMIT 45

R10-I1080-3618 — PHOTO ENFORCED

R2-I1060-3618 — $XXX FINE MINIMUM

C — G20-1103 — END WORK ZONE SPEED LIMIT — 60"x36"

D — W20-I103(0) — ROAD CONSTRUCTION AHEAD — 48"x48"

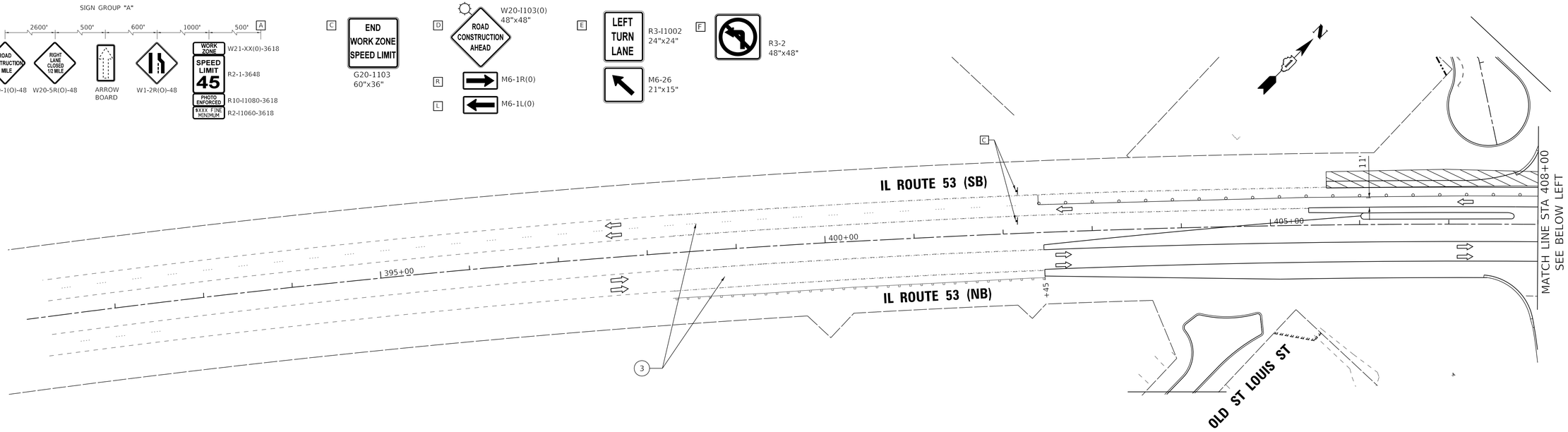
R — M6-1R(0)

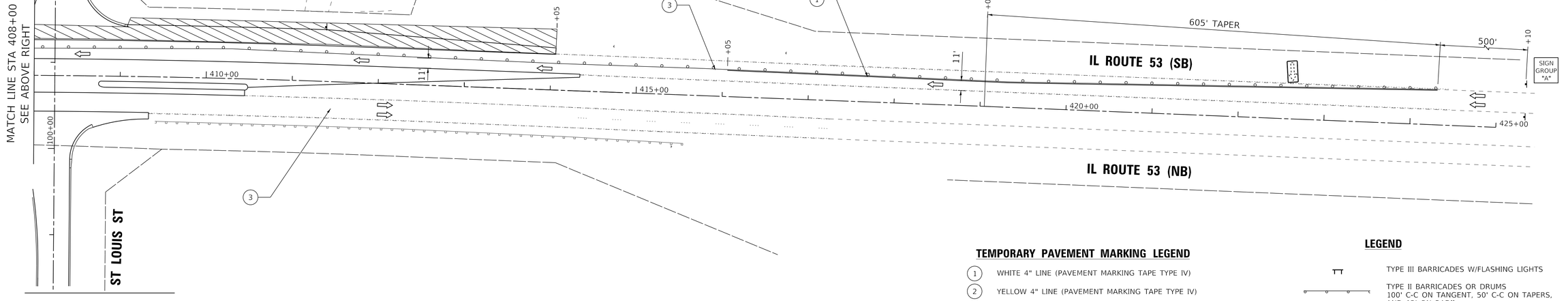
L — M6-1L(0)

E — R3-I1002 — LEFT TURN LANE — 24"x24"

M6-26 — 21"x15"

F — R3-2 — 48"x48"





TEMPORARY PAVEMENT MARKING LEGEND

1. WHITE 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
2. YELLOW 4" LINE (PAVEMENT MARKING TAPE TYPE IV)
3. EXISTING WHITE 4" SKIP-DASH

NOTES

1. ST. LOUIS STREET DETOUR IN PLACE.
2. SEE HIGHWAY STANDARD 701422 FOR SIGN SPACING AND LAYOUT.

LEGEND

- TYPE III BARRICADES W/FLASHING LIGHTS
- TYPE II BARRICADES OR DRUMS 100' C-C ON TANGENT, 50' C-C ON TAPERS, AND 12' ON RADII.
- WORK ZONE
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- VERTICAL PANELS (50' C-C, 25' ON CURVES, 20' ON TAPERS)

0 60 120 180

SCALE IN FEET

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BAXTER & WOODMAN Consulting Engineers

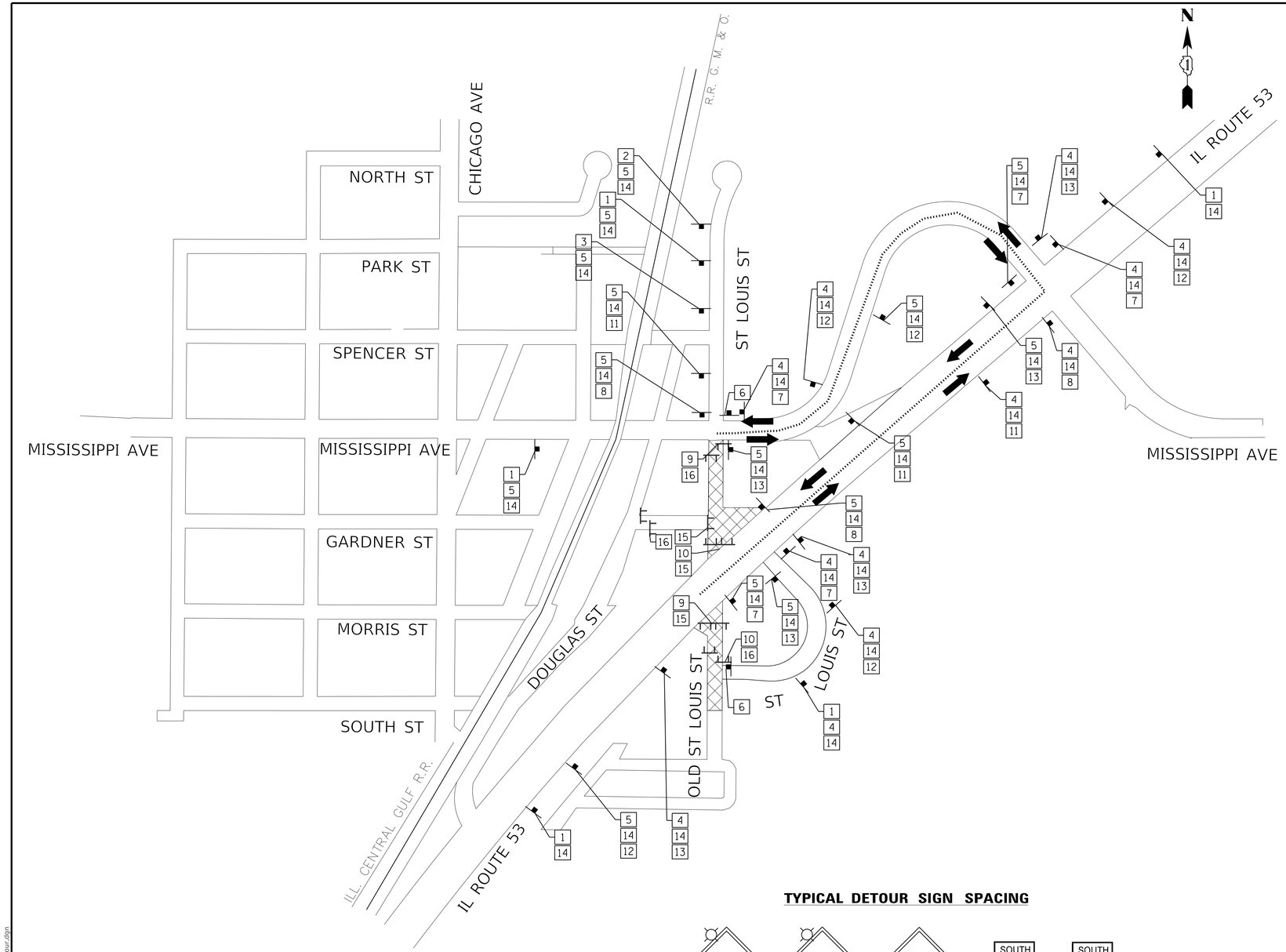
USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 60.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_MOT-Stage5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE 5

SCALE: 1" = 60' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	35
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		



DETOUR MAP
NOT TO SCALE

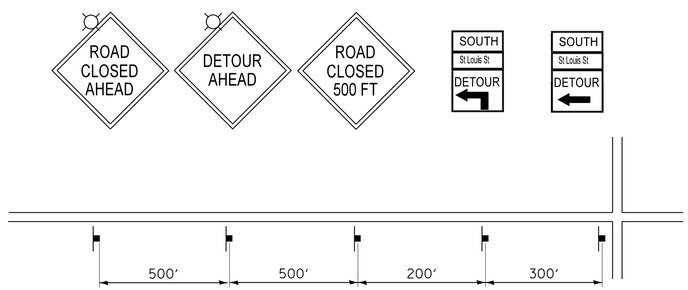
SIGN DETAILS

1	DETOUR AHEAD	W20-2-4848
2	ROAD CLOSED AHEAD	W20-3-4848
3	ROAD CLOSED 500 FT	W20-3-4848
4	NORTH	M3-1(0)-2412
5	SOUTH	M3-3(0)-2412
6	END DETOUR	M4-8A-2418
7	DETOUR →	M4-9 SERIES 3024
8	DETOUR ←	M4-9 SERIES 3024
9	DETOUR ←	M4-10L-4818
10	DETOUR →	M4-10R-4818
11	DETOUR ↰	M4-9 SERIES-3024
12	DETOUR ↱	M4-9 SERIES-3024
13	DETOUR ↑	M4-9 SERIES-3024
14	St Louis St	SPECIAL-VAR MIN 5" UPPERCASE BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
15	ROAD CLOSED	R11-2-4830
16	ROAD CLOSED TO THRU TRAFFIC	R11-4-6030

LEGEND

- DETOUR ROUTE
- DIRECTION OF DETOUR
- SIGN
- TYPE III BARRICADE WITH TWO TYPE A FLASHING LIGHTS
- TYPE A FLASHING LIGHT
- WORK ZONE

TYPICAL DETOUR SIGN SPACING



MAINTENANCE OF TRAFFIC NOTES:

1. REFER TO DISTRICT DETAIL TC-21 FOR TYPICAL SIGN LAYOUT AND SPACING.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
4. THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND LOCAL TRAFFIC DURING THE CONSTRUCTION OF ST LOUIS STREET. THE COST FOR MAINTAINING ACCESS ON ST LOUIS STREET SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL ENTRANCES DURING THE CONSTRUCTION OF ST LOUIS STREET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD).

BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_MOT-Detour.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY DETOUR PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	36
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT C0WU(521)	

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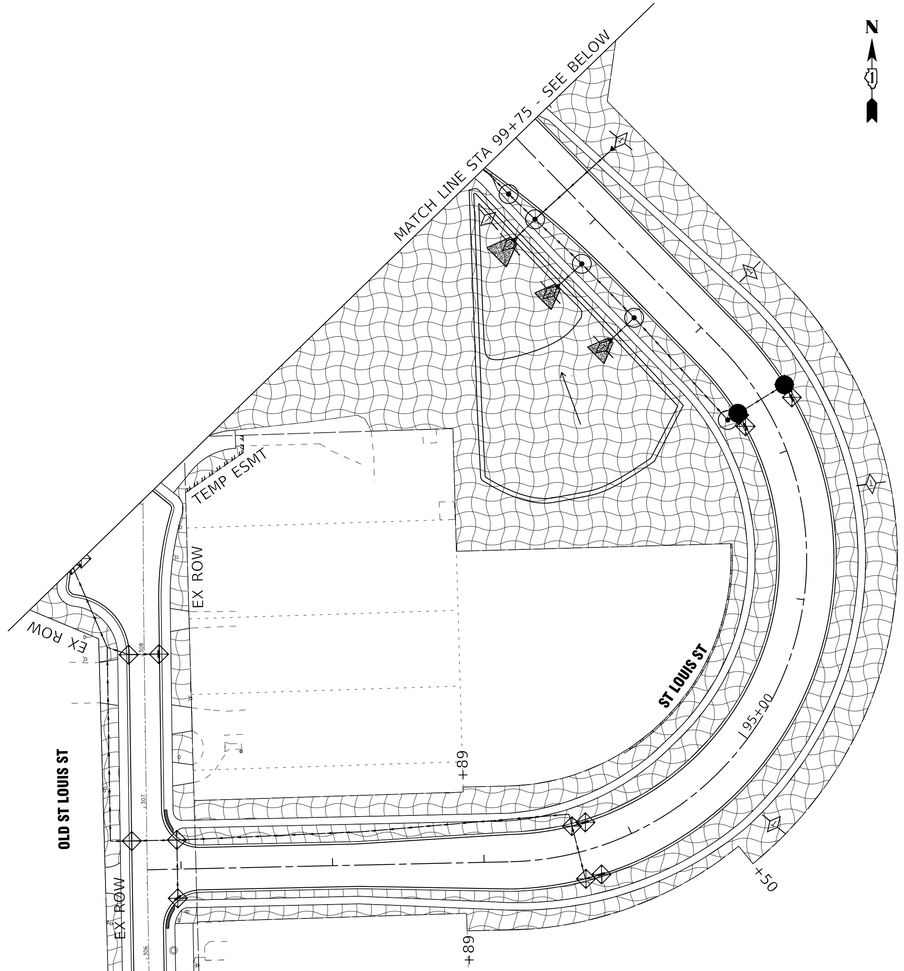
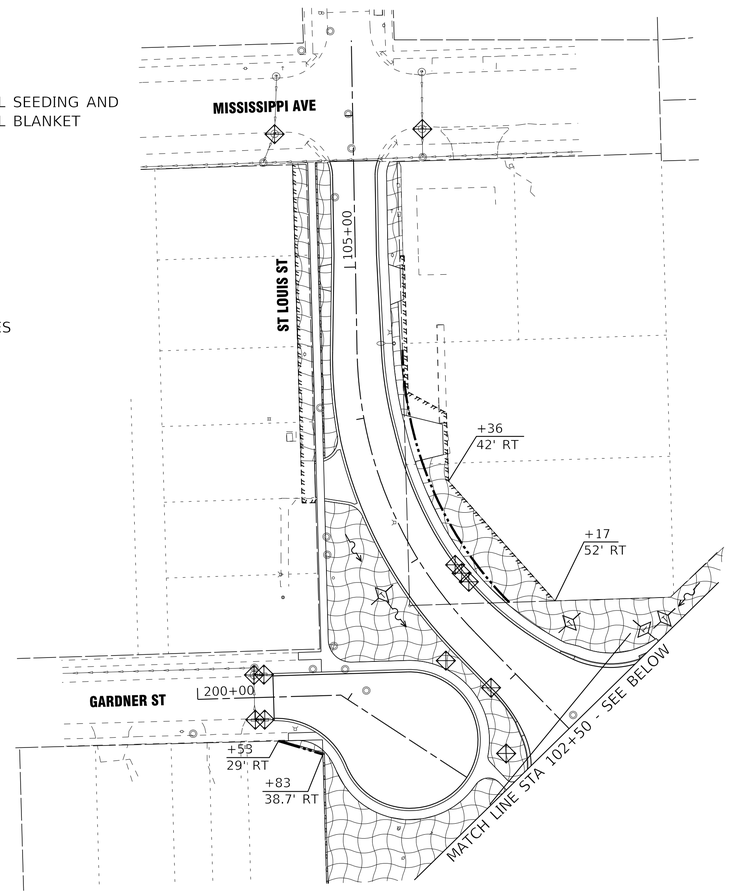
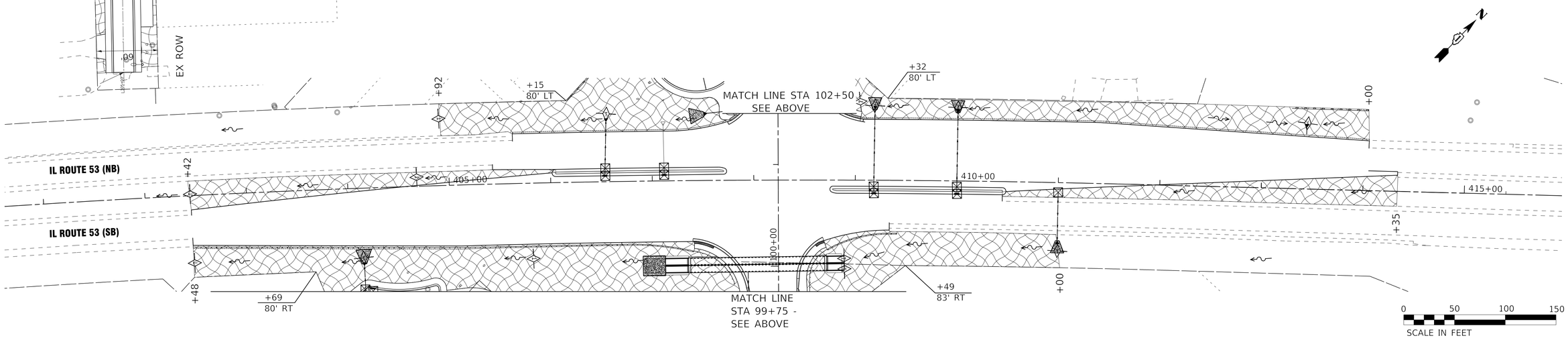


LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET
- RIPRAP, CLASS A4 FILTER FABRIC
- INLET FILTER
- TEMPORARY DITCH CHECKS
- DITCH FLOW ARROWS

NOTE 1: SEE PERMANENT SEEDING CLASSES AND LANDSCAPE TREATMENT IN LANDSCAPING PLAN.





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BAXTER & WOODMAN Consulting Engineers

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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Eros1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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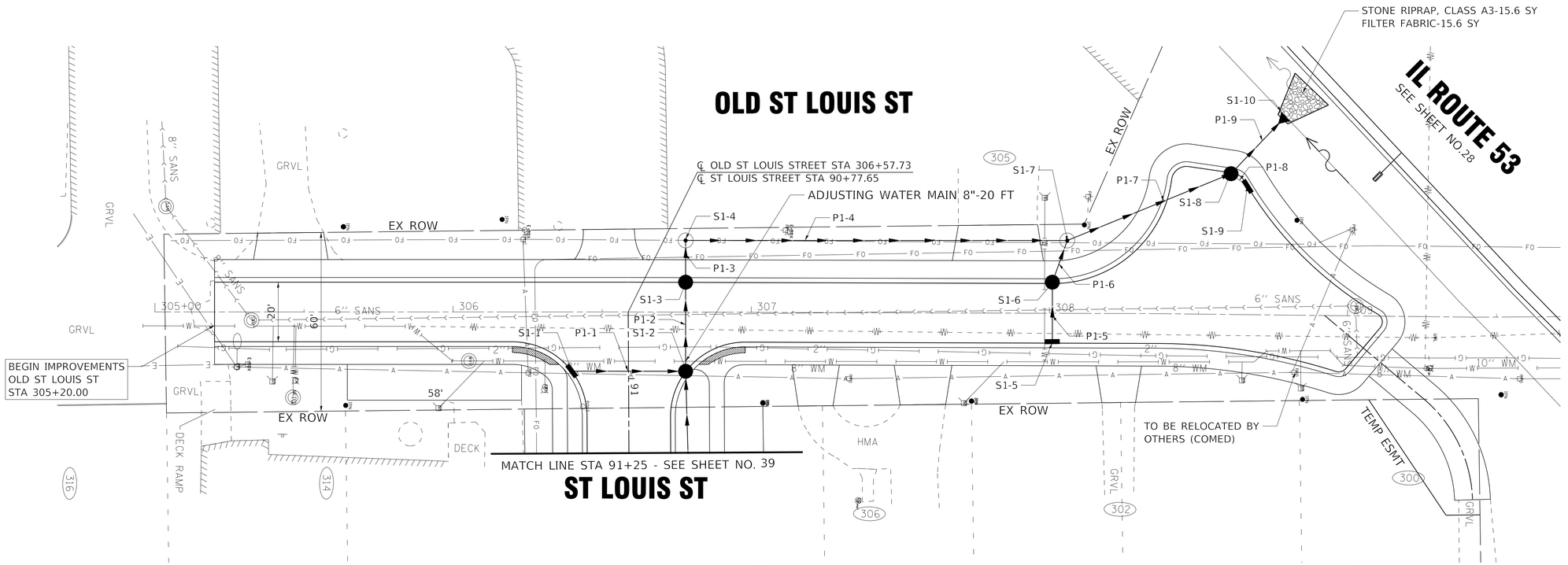
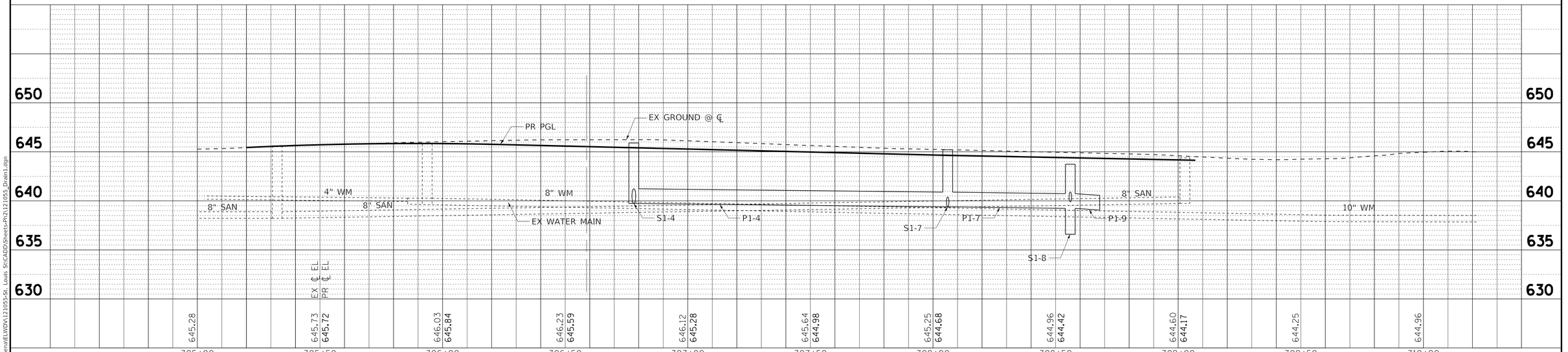
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT C0WU(521)	



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S1-1	306+40	20.3' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	645.54	642.00 12" N		
S1-2	306+78	19.2' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	644.93	639.85 18" W	639.85 18" E	639.85 12" S
S1-3	306+78	10.9' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	645.22	639.77 18" W	639.77 18" E	
S1-4	306+78	25.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	645.90	639.73 18" N	639.73 18" E	
S1-5	308+01	10.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	644.47	641.30 12" W		
S1-6	308+01	10.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	644.47	639.85 12" W	639.85 12" E	
S1-7	308+06	24.1' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	645.20	639.39 18" N	639.39 18" S	639.39 12" E
S1-8	308+60	47.4' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.73	639.23 18" NW	639.23 18" S	639.90 12" NE
S1-9	308+65	43.2' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.85	640.00 12" SW		
S1-10	308+78	65.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		639.06 18" SE		

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P1-1	S1-1	S1-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	38	5.66%	14.3
P1-2	S1-2	S1-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	30	0.27%	15.6
P1-3	S1-3	S1-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	14	0.29%	8.3
P1-4	S1-4	S1-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	128	0.27%	78.1
P1-5	S1-5	S1-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	20	7.25%	6.7
P1-6	S1-6	S1-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	15	3.07%	7.1
P1-7	S1-7	S1-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	59	0.27%	29.8
P1-8	S1-9	S1-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	7	1.43%	2.3
P1-9	S1-8	S1-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	25	0.68%	5.9



0 20 40 60
SCALE IN FEET

BAXTER & WOODMAN Consulting Engineers

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	DRAWN - CJC	REVISED -
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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
OLD ST LOUIS STREET

SCALE: 1" = 20' | SHEET 1 OF 7 SHEETS | STA. 305+20 | TO STA. 309+15

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	38
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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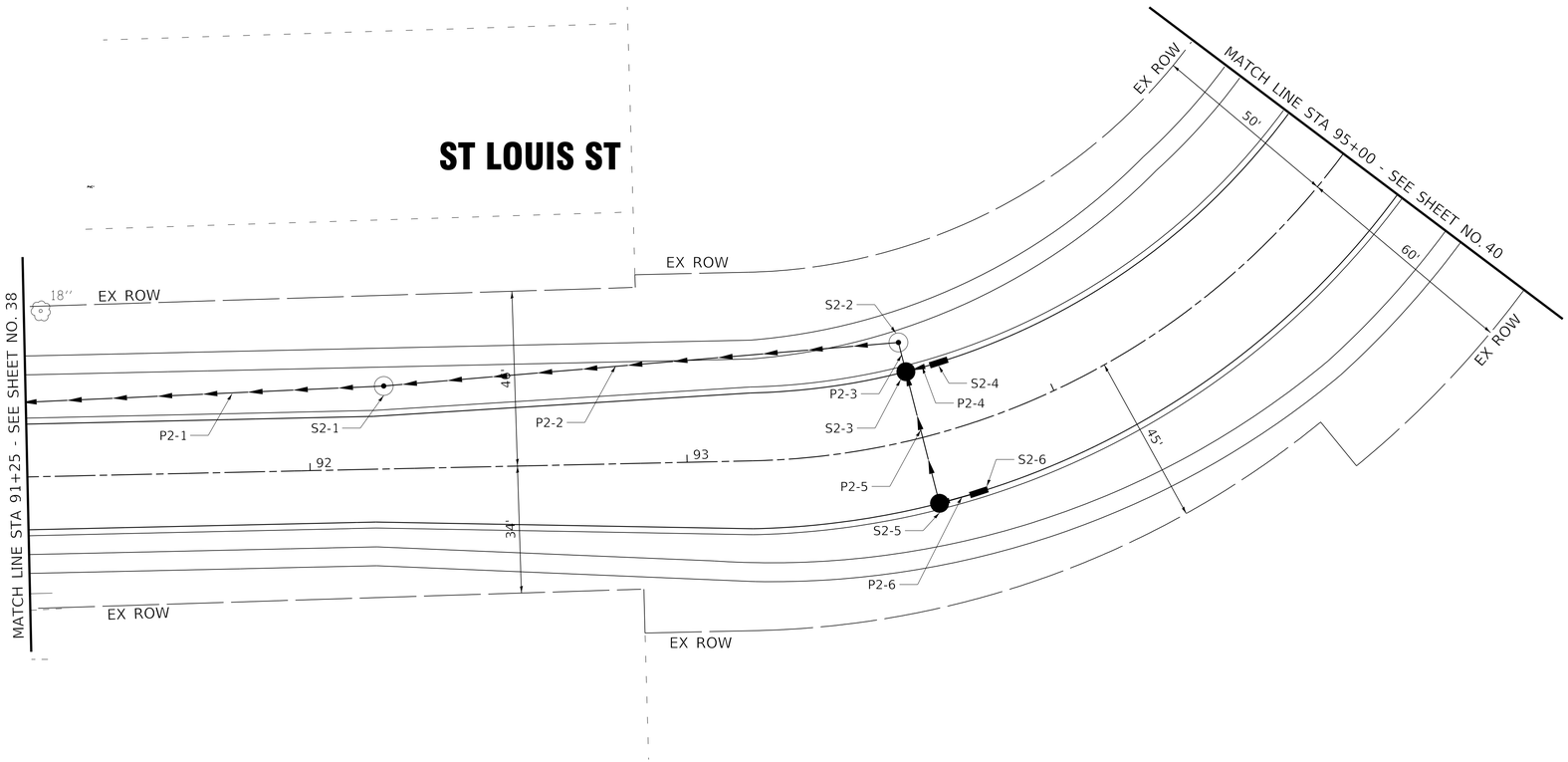
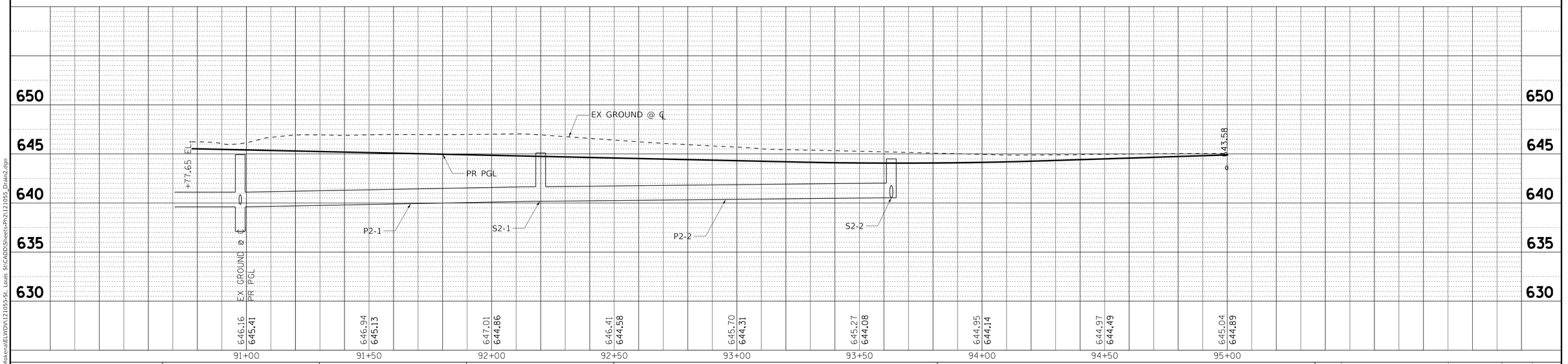
PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P2-1	S2-1	S1-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	122	0.26%	59.2
P2-2	S2-2	S2-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	137	0.26%	56.9
P2-3	S2-3	S2-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	8	0.25%	2.5
P2-4	S2-4	S2-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	9	4.44%	2.2
P2-5	S2-5	S2-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	36	0.28%	8.9
P2-6	S2-6	S2-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	11	2.73%	2.6

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S2-1	92+20	22.4' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	645.10	640.17 18" W	640.17 18" E	
S2-2	93+63	25.2' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	644.50	640.53 18" W	640.53 15" S	
S2-3	93+63	17.4' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.69	640.55 15" N	640.55 15" S	640.55 12" E
S2-4	93+73	17.4' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.77	640.95 12" W		
S2-5	93+63	17.4' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.69	640.65 15" N	640.65 12" E	
S2-6	93+73	17.4' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.77	640.95 12" W		





BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN ST LOUIS STREET
		DRAWN - CJC	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -		SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 91+25 TO STA. 95+00
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain2.dgn		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	39
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT C0WU(521)	

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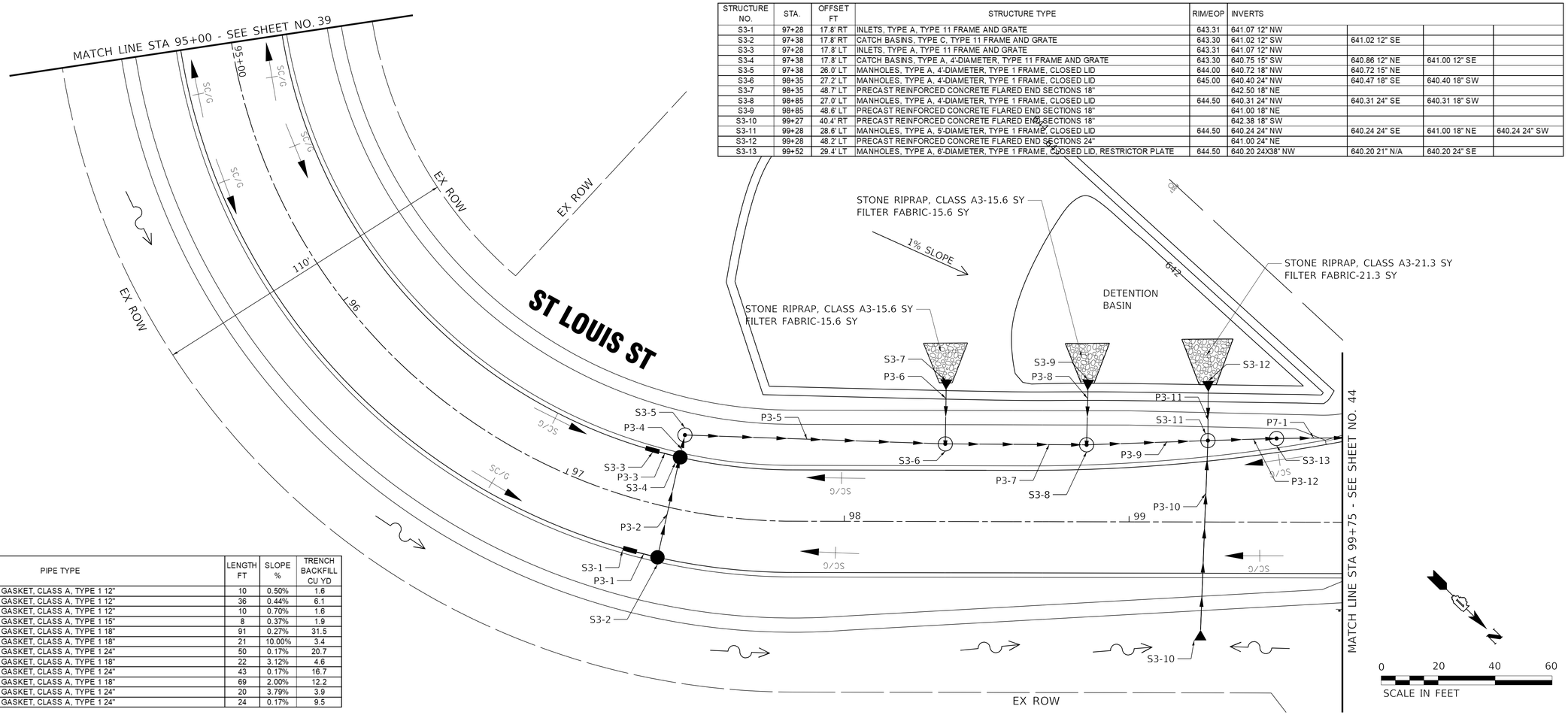
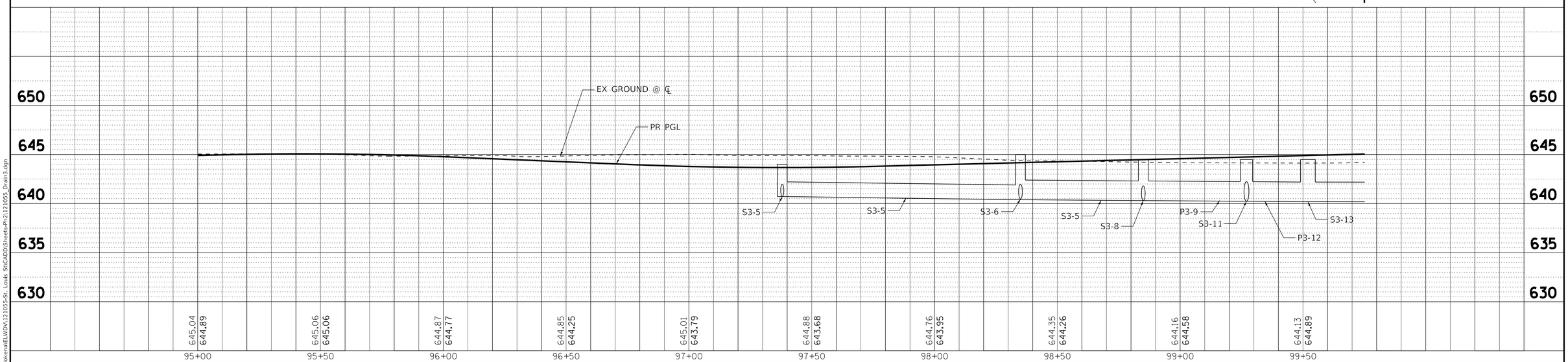
STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S3-1	97+28	17.8' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.31	641.07 12" NW			
S3-2	97+38	17.8' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	643.30	641.02 12" SW	641.02 12" SE		
S3-3	97+28	17.8' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.31	641.07 12" NW			
S3-4	97+38	17.8' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.30	640.75 15" SW	640.86 12" NE	641.00 12" SE	
S3-5	97+38	26.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	644.00	640.72 18" NW	640.72 15" NE		
S3-6	98+35	27.2' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	645.00	640.40 24" NW	640.47 18" SE	640.40 18" SW	
S3-7	98+35	48.7' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		642.50 18" NE			
S3-8	98+85	27.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	644.50	640.31 24" NW	640.31 24" SE	640.31 18" SW	
S3-9	98+85	48.6' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		641.00 18" NE			
S3-10	99+27	40.4' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		642.38 18" SW			
S3-11	99+28	28.6' LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	644.50	640.24 24" NW	640.24 24" SE	641.00 18" NE	640.24 24" SW
S3-12	99+28	48.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"		641.00 24" NE			
S3-13	99+52	29.4' LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	644.50	640.20 24X38" NW	640.20 21" N/A	640.20 24" SE	



PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P3-1	S3-1	S3-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	0.50%	1.6
P3-2	S3-2	S3-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	36	0.44%	6.1
P3-3	S3-3	S3-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	0.70%	1.6
P3-4	S3-4	S3-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	8	0.37%	1.9
P3-5	S3-5	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	91	0.27%	31.5
P3-6	S3-7	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	21	10.00%	3.4
P3-7	S3-6	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	50	0.17%	20.7
P3-8	S3-9	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	22	3.12%	4.6
P3-9	S3-8	S3-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	43	0.17%	16.7
P3-10	S3-10	S3-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	69	2.00%	12.2
P3-11	S3-12	S3-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	20	3.79%	3.9
P3-12	S3-11	S3-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	24	0.17%	9.5



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BAXTER & WOODMAN Consulting Engineers

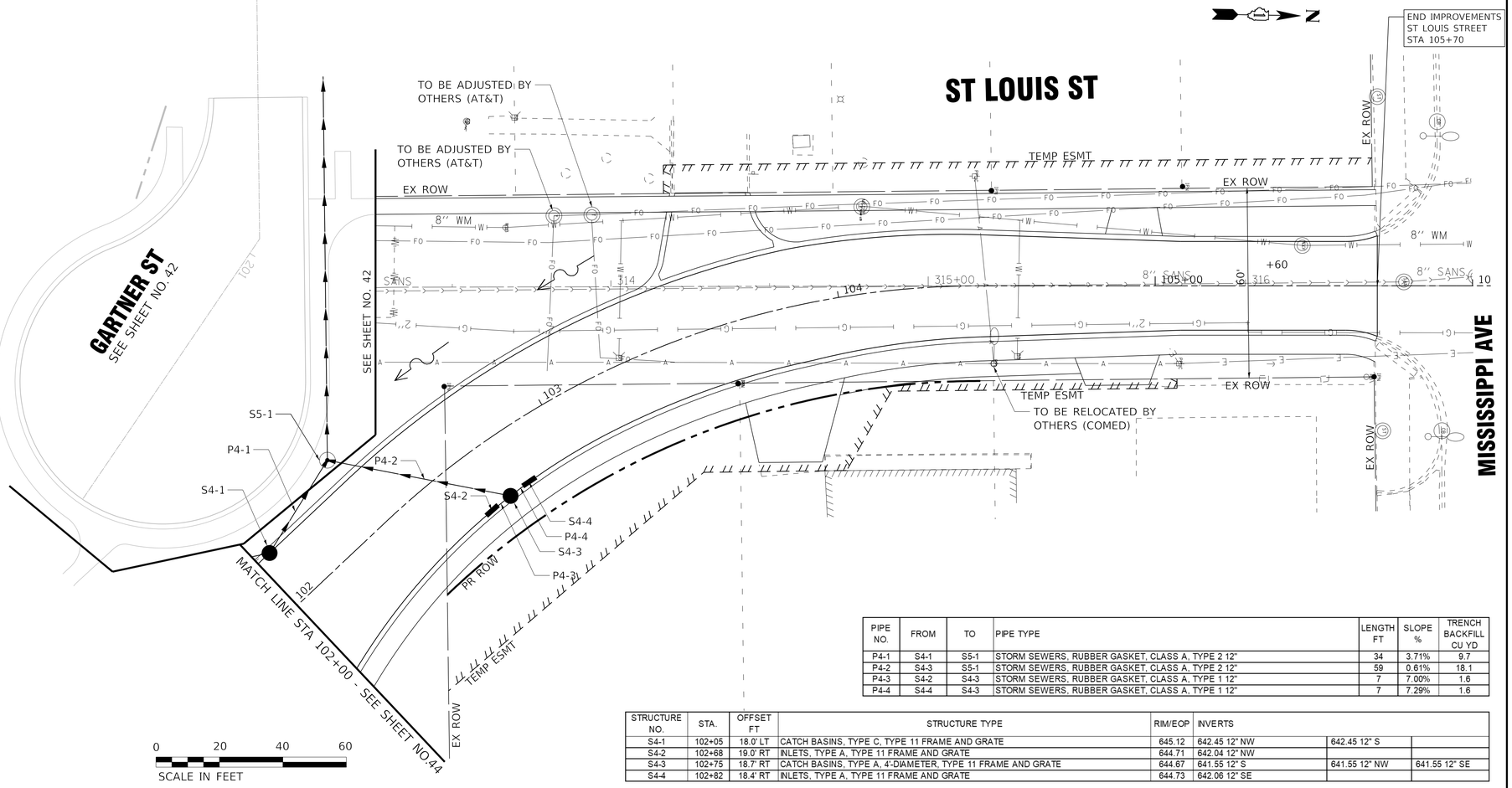
USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0008 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
ST LOUIS STREET

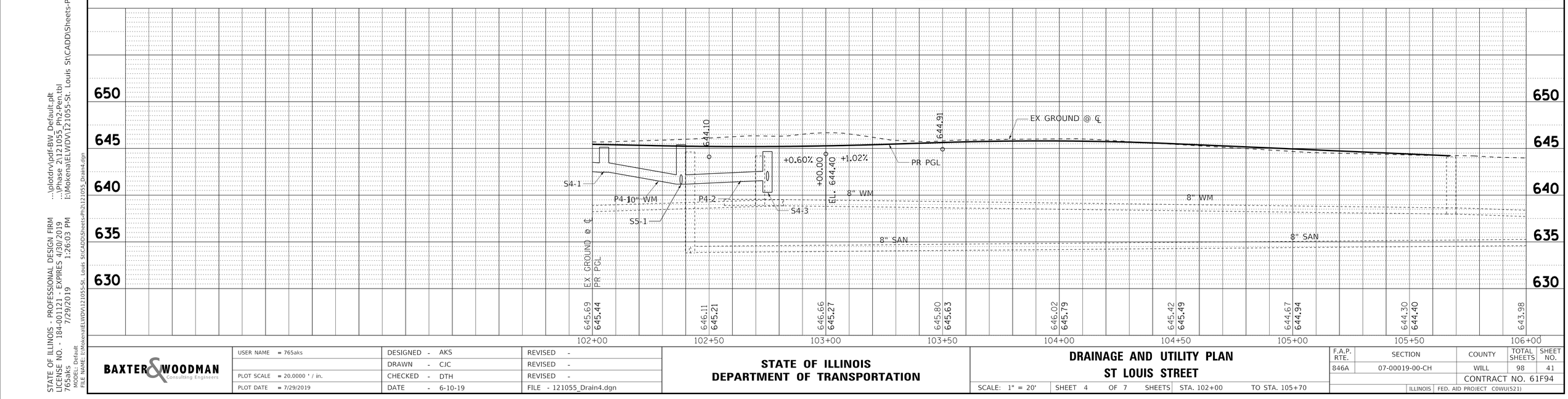
SCALE: 1" = 20' | SHEET 3 OF 7 SHEETS | STA. 95+00 | TO STA. 99+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	40
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT C0WU(521)			



PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P4-1	S4-1	S5-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	34	3.71%	9.7
P4-2	S4-3	S5-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	59	0.61%	18.1
P4-3	S4-2	S4-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	7	7.00%	1.6
P4-4	S4-4	S4-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	7	7.29%	1.6

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S4-1	102+05	18.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	645.12	642.45 12" NW	642.45 12" S	
S4-2	102+68	19.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRADE	644.71	642.04 12" NW		
S4-3	102+75	18.7' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRADE	644.67	641.55 12" S	641.55 12" NW	641.55 12" SE
S4-4	102+82	18.4' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRADE	644.73	642.06 12" SE		



BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN ST LOUIS STREET
		DRAWN - CJC	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -		SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. 102+00 TO STA. 105+70
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain4.dgn		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	41
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT C0WU(521)			

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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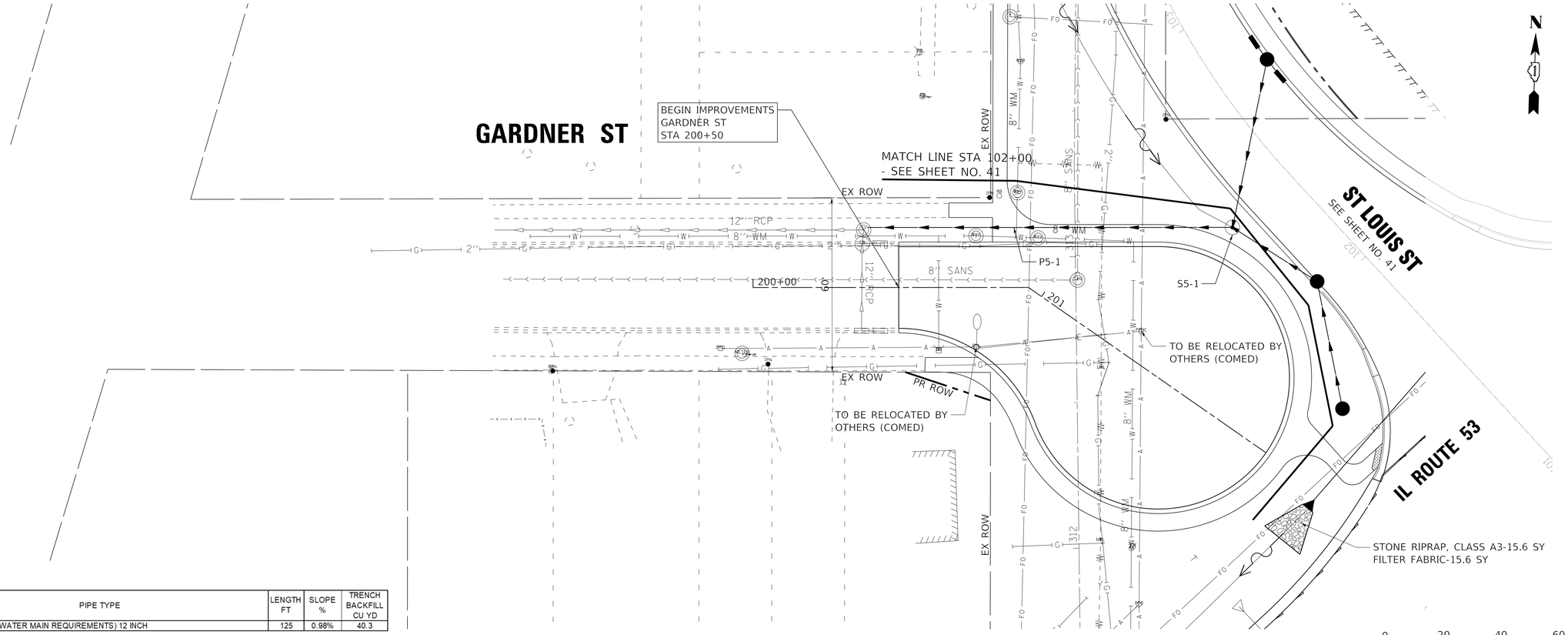
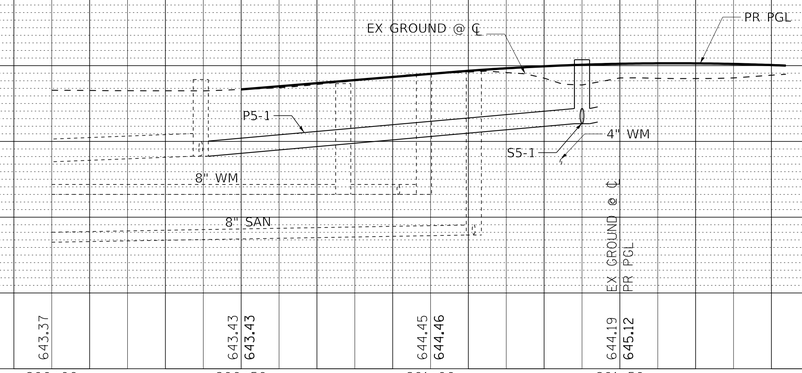


PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P5-1	S5-1	S-MH EX	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	125	0.98%	40.3

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S5-1	102+38	26.8' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	645.40	641.19 12" W	641.19 12" N	641.19 12" SE



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USER NAME = 765aks	DESIGNED - AKS	REVISED -
	DRAWN - CJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DTH	REVISED -
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
GARDNER STREET

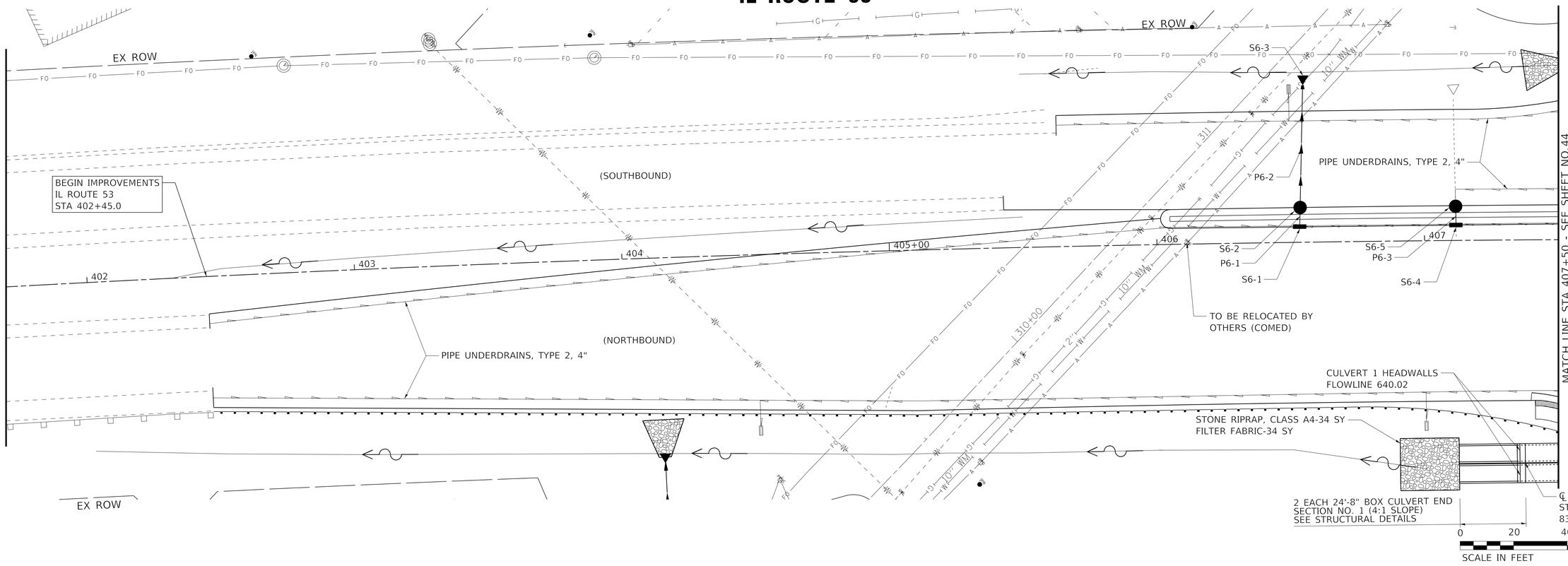
SCALE: 1" = 20' | SHEET 5 OF 7 SHEETS | STA. 200+00 | TO STA. 201+90

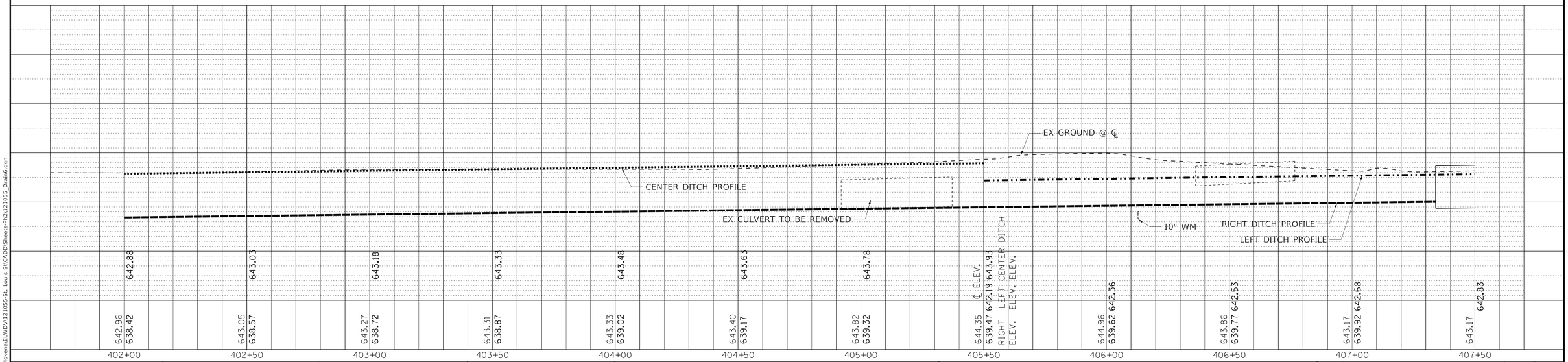
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	42
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT C0WU(521)			

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
S6-1	406+54	5.8' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	644.95	642.83 15" NW	
S6-2	406+54	13.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	644.73	642.70 15" NW	642.70 15" SE
S6-3	406+54	58.6' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 16"		642.53 15" SE	
S6-4	407+12	5.7' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	645.07	642.83 15" NW	
S6-5	407+12	13.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	644.80	642.81 EX 15" NW	642.81 15" SE

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P6-1	S6-1	S6-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	7	1.86%	1.0
P6-2	S6-2	S6-3	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	46	0.37%	20.1
P6-3	S6-4	S6-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	7	0.29%	1.0

IL ROUTE 53





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		DRAWN - CJC	REVISED -	
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	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain6.dgn	

DRAINAGE AND UTILITY PLAN
IL ROUTE 53

SCALE: 1" = 20' | SHEET 6 OF 7 SHEETS | STA. 402+00 TO STA. 407+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	43
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT COWU(521)	

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ST LOUIS ST

MATCH LINE STA 102+00 - SEE SHEET NO.41

MATCH LINE STA 407+50 - SEE SHEET NO. 43

MATCH LINE STA 99+75 - SEE SHEET NO. 40

ST LOUIS ST

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS	
S7-1	407+83	82.3' LT	CATCH BASINS, TYPE C, TYPE 8 GRATE	645.12	643.00 12" N	
S7-2	409+18	13.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	645.78	643.74 15" NW	
S7-3	409+18	6.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	723.28	643.70 15" NW	643.70 15" SE
S7-4	409+18	69.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		643.35 15" SE	
S7-5	410+00	13.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	645.99	643.97 15" NW	
S7-6	410+00	6.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	645.38	643.93 15" NW	643.93 15" SE
S7-7	410+00	67.1' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		643.58 15" SE	
S7-8	410+97	9.6' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	644.85	641.64 15" SE	
S7-9	410+97	57.1' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		641.39 15" NW	

PIPE CULVERT CLASS A, TYPE 1, 18"-141 FT

INV 643.26

STONE RIPRAP, CLASS A3-11.3 SY
FILTER FABRIC-11.3 SY

STONE RIPRAP, CLASS A3-11.3 SY
FILTER FABRIC-11.3 SY

P7-2

S7-1

S7-4

S7-7

BOX CULVERT END SECTIONS, CULVERT NO. 2

TRAVERSABLE PIPE GRATE

TO BE ADJUSTED BY
OTHERS (AT&T)

12" CMP

INV 642.84

PIPE UNDERDRAINS,
TYPE 2, 4" (TYP)

P7-4

P7-6

(SOUTHBOUND)

PRECAST CONCRETE BOX CULVERT 3'X2'-8 FT

408

409

410+00

411

412

413

S7-8

S7-3

P7-3

S7-2

S7-6

P7-5

S7-5

PR 132' DUAL 6'x4' RCB CULVERT*
EMBEDDED 1'
U/S INV 639.44
D/S INV 639.02
(CONNECTION TO P7-1 TO BE
DETAILED BY PRECASTER)

PIPE UNDERDRAINS, TYPE 2, 4" (TYP)

P7-7

(NORTHBOUND)

OUTLET TO
CULVERT
INV 640.18

2 EACH 19'-3" BOX CULVERT END
SECTION NO. 1 (3:1 SLOPE)
SEE STRUCTURAL DETAILS

S7-9

IL ROUTE 53

CULVERT 1 HEADWALLS
FLOWLINE 640.44

℄ DBL. 6'X4' PCBC
STA. 408+70
82.0' RT.

P7-1
(24"x38" ELLIPTICAL RCP)

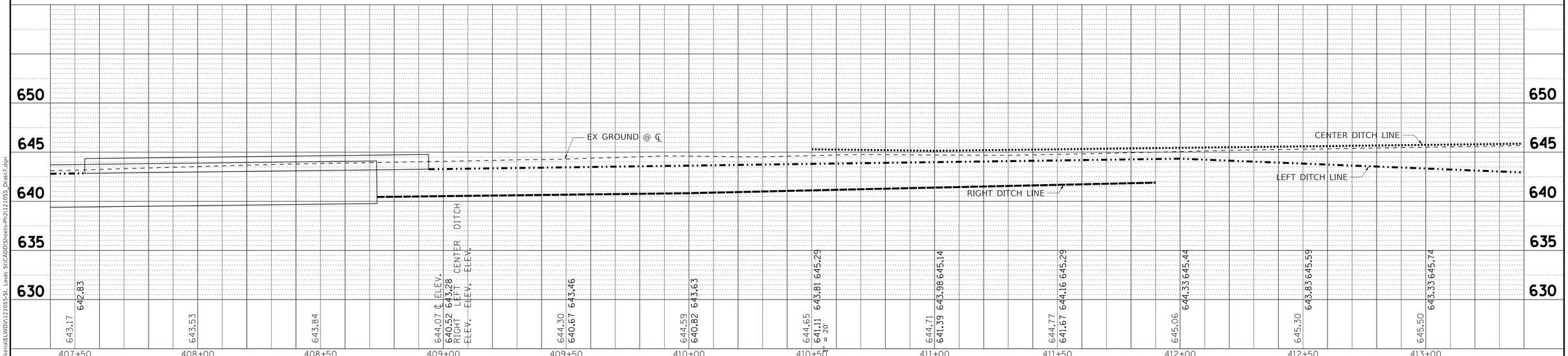
STONE RIPRAP, CLASS A3-11.3 SY
FILTER FABRIC-11.3 SY

CROPS

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P7-1	S3-13	RCB	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	42	0.05%	26.6
P7-2	S7-1	S4-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	45	1.22%	4.1
P7-3	S7-2	S7-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	7	0.57%	0.7
P7-4	S7-3	S7-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	75	0.47%	39.6
P7-5	S7-5	S7-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	7	0.57%	0.7
P7-6	S7-6	S7-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	73	0.48%	37.6
P7-7	S7-8	S7-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	48	0.52%	26.9

0 20 40 60
SCALE IN FEET

* APPLY WATERPROOFING MEMBRANE TO TOP SURFACE AND UPPER 1' OF SIDE WALLS OF CULVERT, FULL LENGTH BETWEEN HEADWALLS



BAXTER & WOODMAN Consulting Engineers

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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Drain7.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
IL ROUTE 53

SCALE: 1" = 20' | SHEET 7 OF 7 SHEETS | STA. 407+50 | TO STA. 413+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	44
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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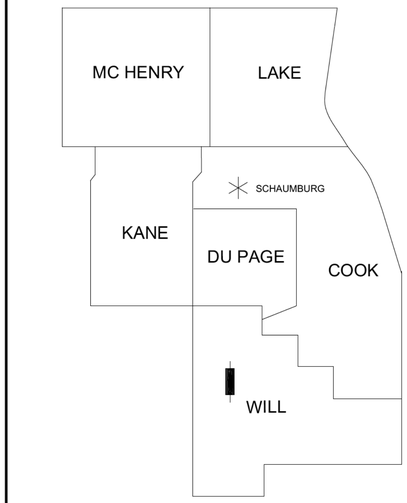
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	Village of Elwood, an Illinois home rule Municipal Corporation	3	
0002	Village of Elwood	3–4	
0003	TA Operating LLC, a Delaware limited liability company	5–6	
0004	Mark A. Aroch	6	
0005	Illinois Bell Telephone Company, an Illinois corporation	6	
0006	Heartland Bank & Trust Company successor to Citizens First National Bank as Trustee under Trust Agreement dated August 2, 1999 known as Trust No. 19887	6	
0007	Aaron Flood	7	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: ST. LOUIS STREET
SECTION: 07-00019-00-CH
COUNTY: WILL
LIMITS: at ILLINOIS ROUTE 53

JOB NO.: R-



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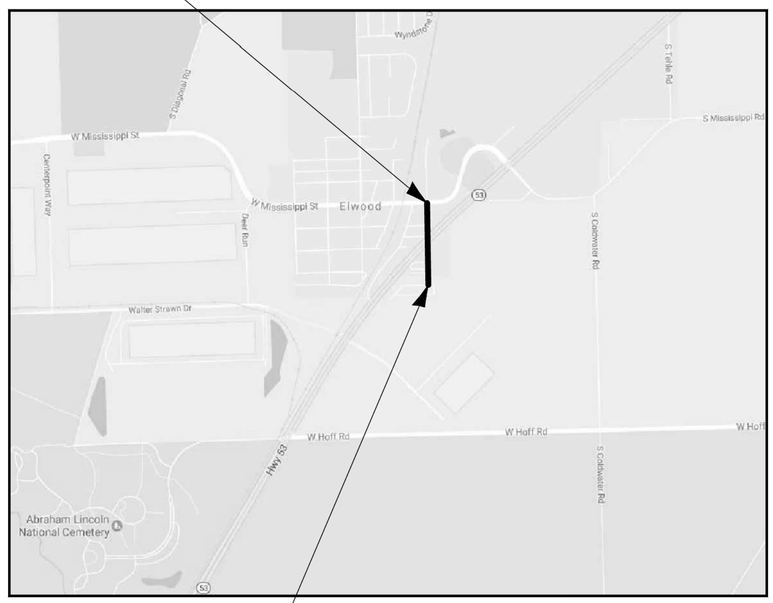
ST. LOUIS STREET
END IMPROVEMENTS
STA 106+49.54

RANGE 10 EAST

TOWNSHIP 34 NORTH



ST. LOUIS STREET
BEGIN IMPROVEMENTS
STA 305+00

LOCATION MAP

Gross & Net Length = 1,016 Lin. Ft. = 0.023 Miles (St. Louis Street – Existing)
Gross & Net Length = 1,572 Lin. Ft. = 0.036 Miles (St. Louis Street – Proposed)

IDOT USE ONLY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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Plotted: 3/5/2017 @ 2:30 PM By: 5544EB
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -	
	DRAWN - CJC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -	
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn	

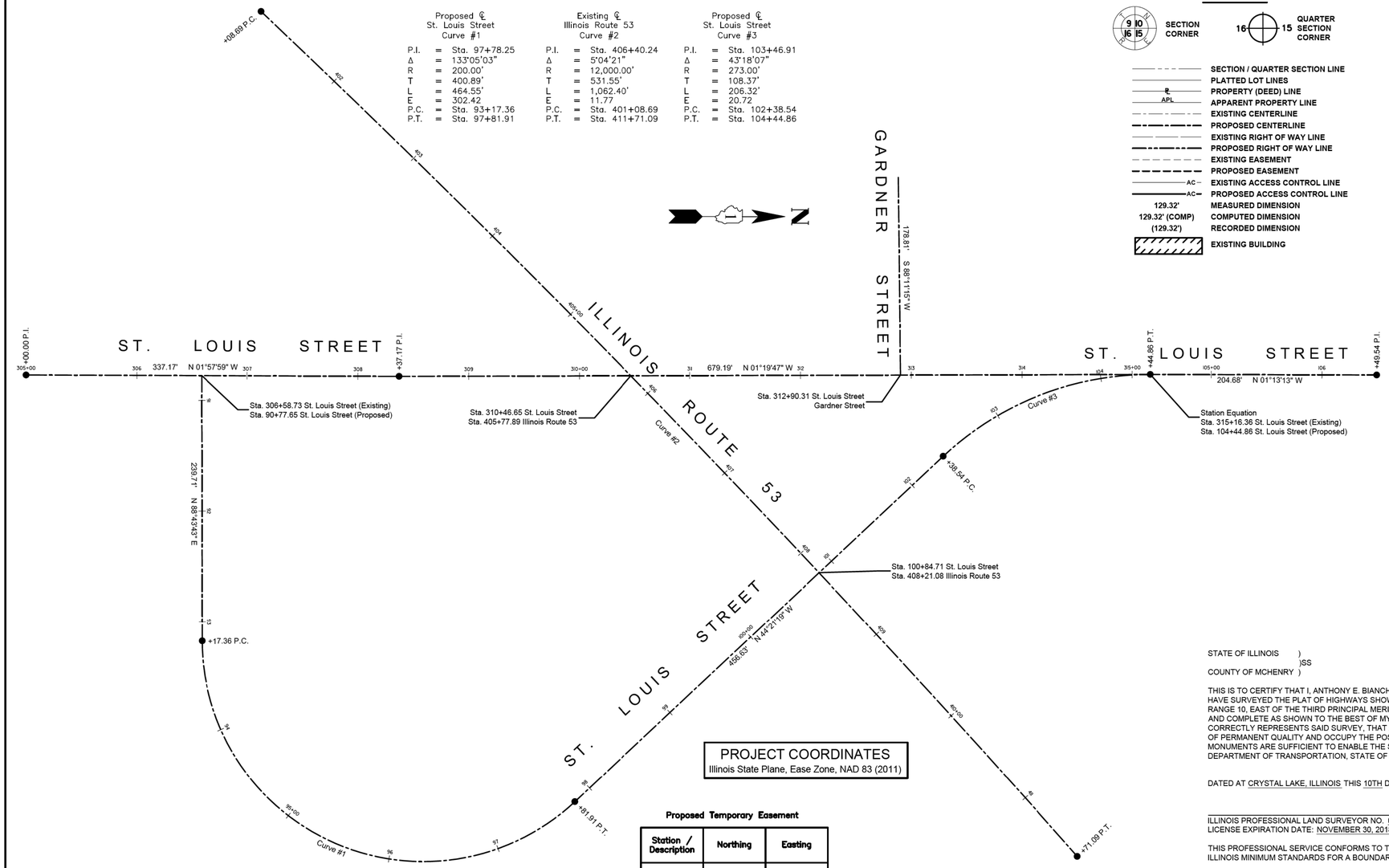
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	45
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

Proposed Right-of-Way

Station / Description	Northing	Easting
91+09.57 44.97' Lt.	1,724,570.30	1,046,241.91
92+87.28 46.65' Lt.	1,724,575.92	1,046,419.53
92+87.28 50.00' Lt.	1,724,579.27	1,046,419.44
93+17.36 50.00' Lt.	1,724,579.94	1,046,449.54
96+40.48 50.00' Lt.	1,724,739.95	1,046,595.87
98+07.22 218.88' Lt.	1,724,734.82	1,046,415.03
312+50.47 28.71' Lt.	1,725,115.57	1,046,169.70
312+59.82 57.44' Lt.	1,725,124.25	1,046,140.75

Proposed Right-of-Way

Station / Description	Northing	Easting
91+10.03 35.03' Rt.	1,724,490.33	1,046,244.14
92+87.77 33.35' Rt.	1,724,495.95	1,046,421.80
92+87.84 45.00' Rt.	1,724,484.31	1,046,422.13
93+17.36 45.00' Rt.	1,724,494.96	1,046,451.64
94+50.00 45.00' Rt.	1,724,540.23	1,046,601.29
94+50.00 60.00' Rt.	1,724,528.62	1,046,610.78
97+81.91 60.00' Rt.	1,724,911.67	1,046,632.11
99+50.00 60.00' Rt.	1,725,031.86	1,046,514.60
100+00.17 124.97' Rt.	1,725,113.15	1,046,525.98
102+36.73 30.01' Rt.	1,725,215.91	1,046,292.70
103+58.40 29.95' Rt.	1,725,307.15	1,046,235.65
104+44.86 29.93' Rt.	1,725,382.61	1,046,222.15

Centerline Alignment (St. Louis Street – Existing)

Station / Description	Northing	Easting
305+00.00 P.I.	1,724,365.93	1,046,213.67
306+58.73 St. Louis St. (Proposed)	1,724,524.63	1,046,210.99
308+37.17 P.I.	1,724,703.05	1,046,207.99
310+46.65 Illinois Route 53	1,724,912.47	1,046,203.13
312+90.31 Gardner St.	1,725,156.06	1,046,197.47
315+16.36 St. Louis St. (Proposed)	1,725,382.06	1,046,192.23

Centerline Alignment (St. Louis Street – Proposed)

Station / Description	Northing	Easting
90+77.65 St. Louis St. (Existing)	1,724,524.63	1,046,210.99
93+17.36 P.C. Curve #1	1,724,529.95	1,046,450.64
97+81.91 P.T. Curve #1	1,724,869.72	1,046,589.21
100+84.71 Illinois Route 53	1,725,086.23	1,046,377.52
102+38.54 P.C. Curve #3	1,725,196.22	1,046,269.98
104+44.86 P.T. Curve #3	1,725,382.06	1,046,192.23
106+49.54 P.I.	1,725,586.70	1,046,188.46

Centerline Alignment (Illinois Route 53)

Station / Description	Northing	Easting
401+08.69 P.C. Curve #2	1,724,571.56	1,045,880.78
405+77.89 St. Louis St. (Existing)	1,724,912.47	1,046,203.13
408+21.08 St. Louis St. (Proposed)	1,725,086.23	1,046,377.52
411+71.09 P.T. Curve #2	1,725,325.00	1,046,629.32

Proposed Temporary Easement

Station / Description	Northing	Easting
314+16.69 29.56' Lt.	1,725,281.73	1,046,164.98
314+16.66 38.56' Lt.	1,725,281.49	1,046,155.99
314+19.99 38.58' Lt.	1,725,284.81	1,046,155.89
314+69.98 38.84' Lt.	1,725,334.79	1,046,154.48
104+48.29 39.11' Lt.	1,725,384.77	1,046,153.06
104+48.41 30.11' Lt.	1,725,385.08	1,046,162.05
105+08.29 39.71' Lt.	1,725,444.75	1,046,151.36
105+68.29 40.31' Lt.	1,725,504.72	1,046,149.66
105+68.41 31.31' Lt.	1,725,505.01	1,046,158.65

Proposed Temporary Easement

Station / Description	Northing	Easting
102+16.28 52.29' Rt.	1,725,216.87	1,046,322.93
103+39.36 41.74' Rt.	1,725,295.99	1,046,252.62
103+52.43 45.76' Rt.	1,725,307.68	1,046,252.28
103+91.91 54.25' Rt.	1,725,340.97	1,046,251.34
104+13.15 31.58' Rt.	1,725,354.69	1,046,225.94
104+49.05 32.89' Rt.	1,725,386.85	1,046,225.03

Proposed Temporary Easement

Station / Description	Northing	Easting
105+06.88 32.31' Rt.	1,725,444.66	1,046,223.39
105+06.85 29.31' Rt.	1,725,444.57	1,046,220.39
309+06.91 29.89' Rt.	1,724,773.47	1,046,236.25
309+32.59 68.77' Rt.	1,724,800.04	1,046,274.53
309+43.99 68.72' Rt.	1,724,811.44	1,046,274.21
309+43.67 29.72' Rt.	1,724,810.21	1,046,235.23

PROJECT COORDINATES
Illinois State Plane, Ease Zone, NAD 83 (2011)

STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

ANTHONY E. BIANCHIN 035-003603 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CRYSTAL LAKE

"LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ST. LOUIS STREET

LIMITS : at Illinois Route 53 — COUNTY : WILL
SECTION : 07-00019-00-CH — JOB NO. : R-
STA. - TO STA. -
SCALE : N / A — SHEET 2 OF 8 SHEETS

IDOT USE ONLY

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

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

BAXTER & WOODMAN Consulting Engineers

USER NAME = 765aks	DESIGNED - AKS	REVISED -	
	DRAWN - CJC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -	
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	46
		CONTRACT NO. 61F94		
		ILLINOIS FED. AID PROJECT C0WU(521)		

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License No. – 184-001121 – Expires 4-30-19

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PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
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0002	2.417	2.417	N/A	0	–	–	10–11–29 –207–002

GRAPHIC SCALE FEET
0 20
SCALE: 1" = 20'

N

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
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- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:
- **Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)**
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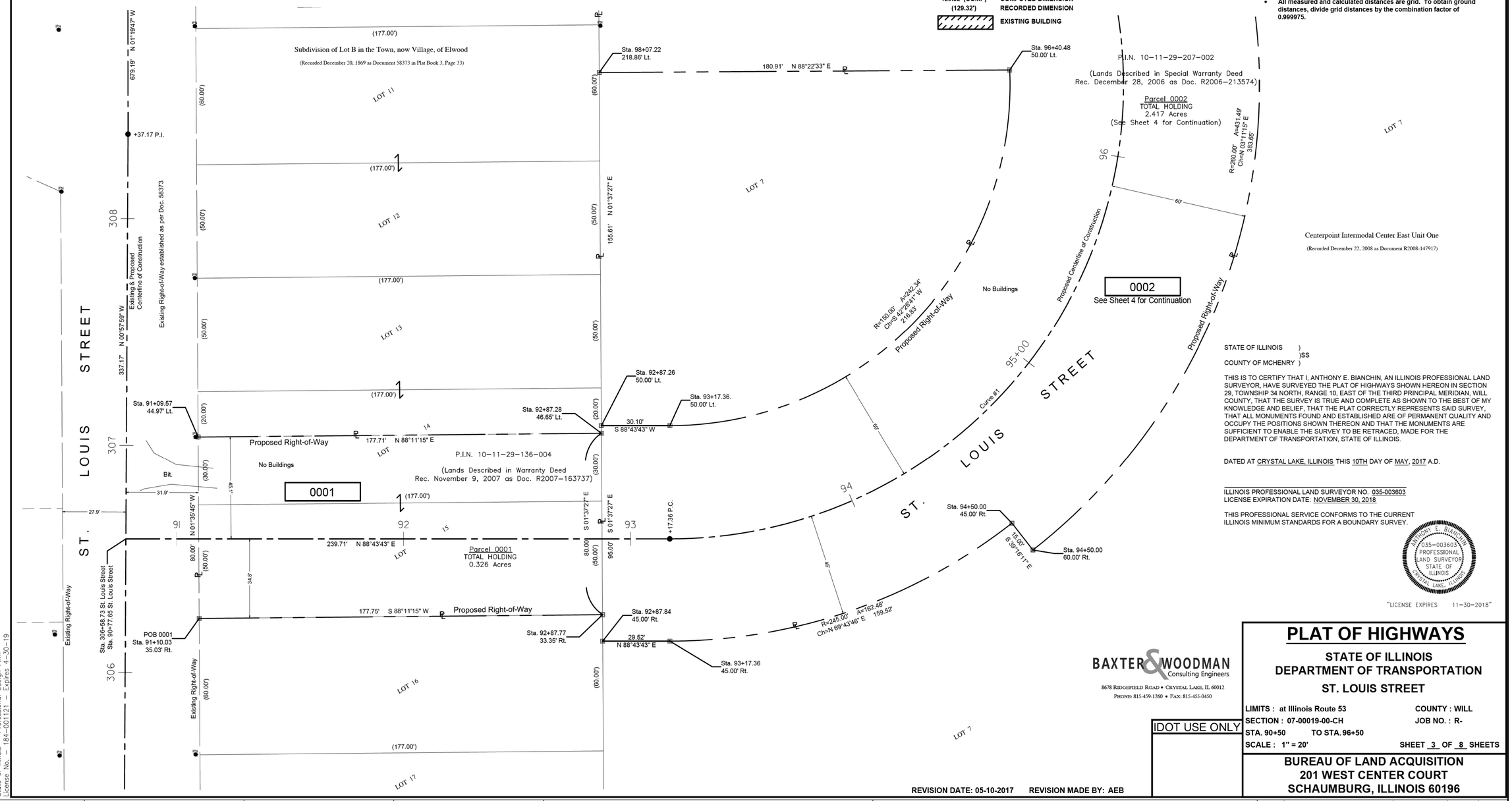

STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

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DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

ANTHONY E. BIANCHIN 035-003603 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CRYSTAL LAKE, ILLINOIS

"LICENSE EXPIRES 11–30–2018"

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

IDOT USE ONLY

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

PLAT OF HIGHWAYS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ST. LOUIS STREET

LIMITS : at Illinois Route 53 COUNTY : WILL
SECTION : 07-00019-00-CH JOB NO. : R-
STA. 90+50 TO STA. 96+50
SCALE : 1" = 20' SHEET 3 OF 8 SHEETS

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

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Plotted: 3/3/2017 @ 2:30 PM By: 554AEB
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License No. – 184-001121 – Expires 4-30-19

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	DRAWN - CJC	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -	
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn	

BAXTER & WOODMAN Consulting Engineers

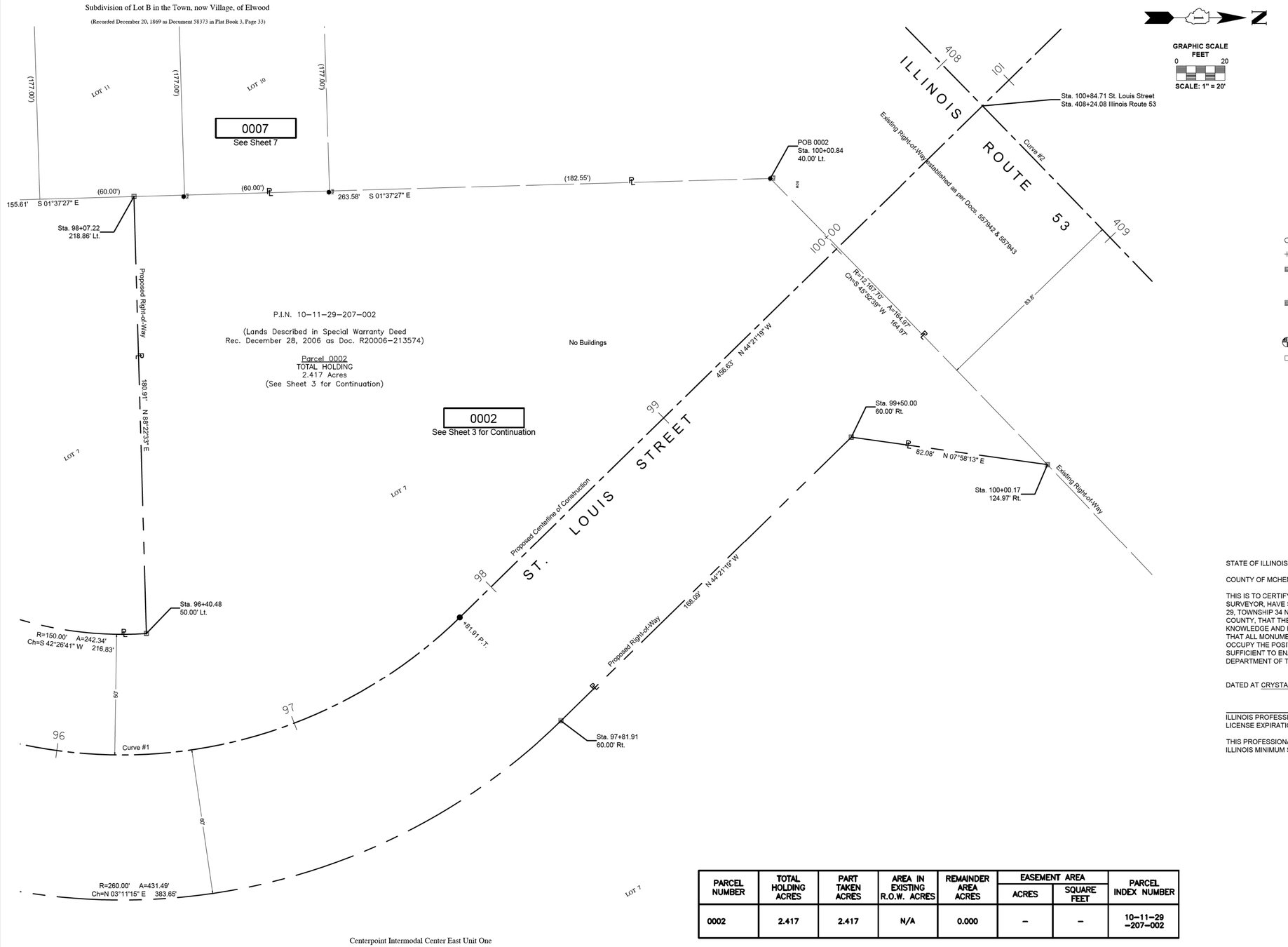
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	47
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

GRAPHIC SCALE FEET 0 20
SCALE: 1" = 20'

SECTION CORNER
QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
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- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET

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

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

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STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

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DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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ANTHONY E. BIANCHIN 035-003603 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CRYSTAL LAKE, ILLINOIS

"LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0002	2.417	2.417	N/A	0.000	–	–	10-11-29 -207-002

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

IDOT USE ONLY

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ST. LOUIS STREET

LIMITS : at Illinois Route 53 COUNTY : WILL
SECTION : 07-00019-00-CH JOB NO. : R-
STA. 96+00 TO STA. 101+00
SCALE : 1" = 20' SHEET 4 OF 8 SHEETS

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

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Plotted: 5/1/2017 @ 2:30 PM By: 554AEB
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BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -
		DRAWN - CJC	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn

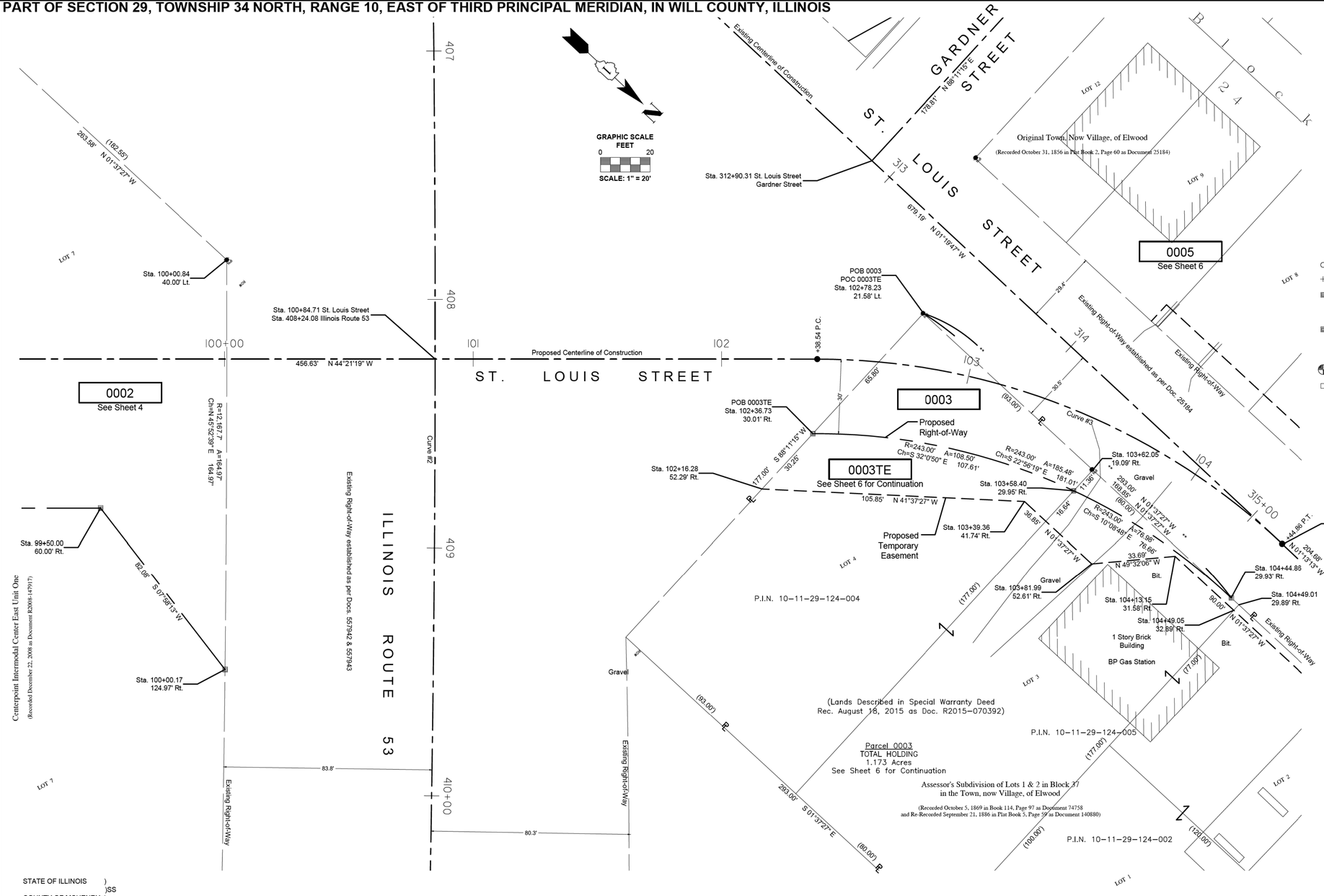
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	48
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET

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

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

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

RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- **Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)**
- **Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)**
- **All dimensions are measured unless otherwise noted.**
- **All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.**

STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ANTHONY E. BIANCHIN
035-003603
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

"LICENSE EXPIRES 11-30-2018"

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0003 0003TE	1.173	0.079	N/A	1.094	0.075	–	10-11-29-124-002 10-11-29-124-004 10-11-29-124-005

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

IDOT USE ONLY

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ST. LOUIS STREET

LIMITS : at Illinois Route 53 COUNTY : WILL
SECTION : 07-00019-00-CH JOB NO. : R-
STA. 99+50 TO STA. 104+50
SCALE : 1" = 20' SHEET 5 OF 8 SHEETS

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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I:\MOKENAIEL\WDV\121055-ST. LOUIS ST\CADD\PLATS\121055 - PLATS.DWG Sheet 5
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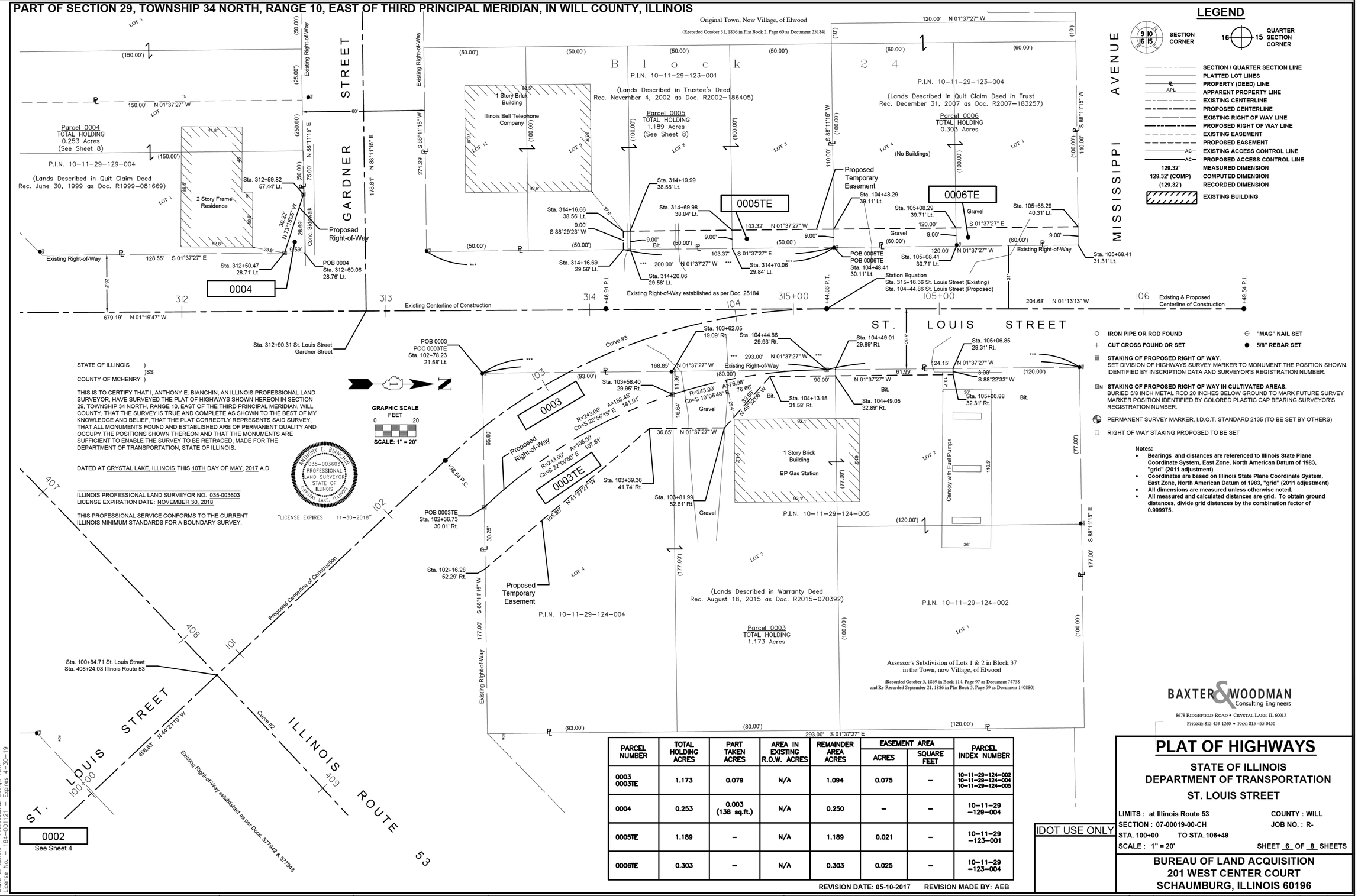
BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - CJC	REVISED -	
	PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -	
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn	

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	49
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
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- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
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- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
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STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ANTHONY E. BIANCHIN 035-003603 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS CRYSTAL LAKE

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

"LICENSE EXPIRES 11-30-2018"

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

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0003 0003TE	1.173	0.079	N/A	1.094	0.075	–	10-11-29-124-002 10-11-29-124-004 10-11-29-124-005
0004	0.253	0.003 (138 sq.ft.)	N/A	0.250	–	–	10-11-29 -129-004
0005TE	1.189	–	N/A	1.189	0.021	–	10-11-29 -123-001
0006TE	0.303	–	N/A	0.303	0.025	–	10-11-29 -123-004

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

IDOT USE ONLY

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ST. LOUIS STREET

LIMITS : at Illinois Route 53 COUNTY : WILL
SECTION : 07-00019-00-CH JOB NO. : R-
STA. 100+00 TO STA. 106+49
SCALE : 1" = 20' SHEET 6 OF 8 SHEETS

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

I:\MOKENA\ELWDV\121055-ST. LOUIS ST\CADD\PLATS\121055 - PLATS.DWG Sheet 6
Plotted: 3/5/2017 @ 2:30 PM By: 5544EB
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - CJC	REVISED -	
	PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -	
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn	

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	50
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT C0WU(521)			

PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0007TE	0.245	-	N/A	0.245	0.022	-	10-11-29-136-001

GRAPHIC SCALE FEET
0 20
SCALE: 1" = 20'

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- 129.32' (COMP) COMPUTED DIMENSION
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- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:
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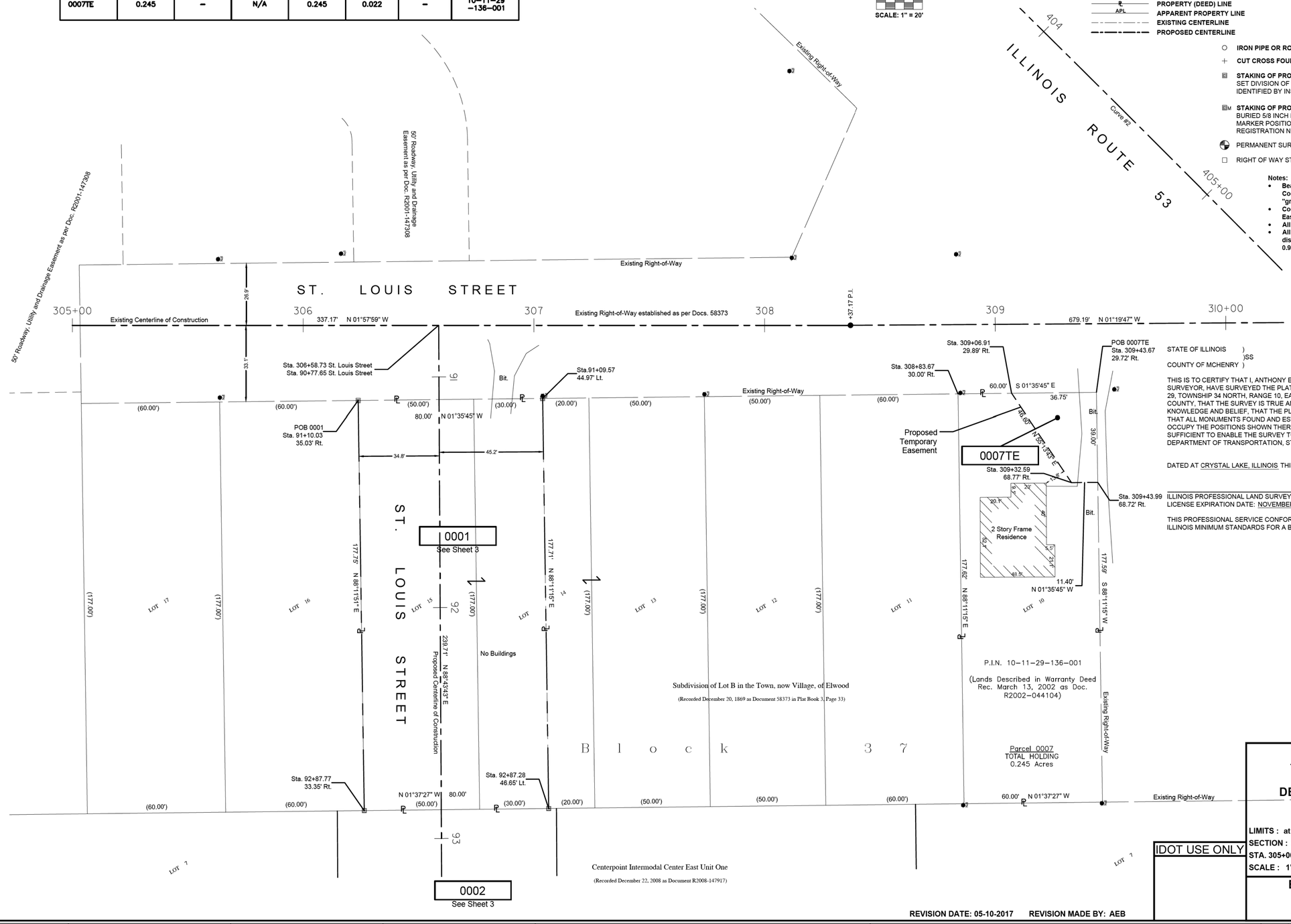

STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 10TH DAY OF MAY, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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

ANTHONY E. BIANCHIN
035-003603
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

"LICENSE EXPIRES 11-30-2018"

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

IDOT USE ONLY

REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ST. LOUIS STREET

LIMITS : at Illinois Route 53 **COUNTY : WILL**
SECTION : 07-00019-00-CH **JOB NO. : R-**
STA. 305+00 TO STA. 310+00
SCALE : 1" = 20' **SHEET 7 OF 8 SHEETS**

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

BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -
		DRAWN - CJC	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	51
		CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT COWU(521)			

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PART OF SECTION 29, TOWNSHIP 34 NORTH, RANGE 10, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

GRAPHIC SCALE
FEET
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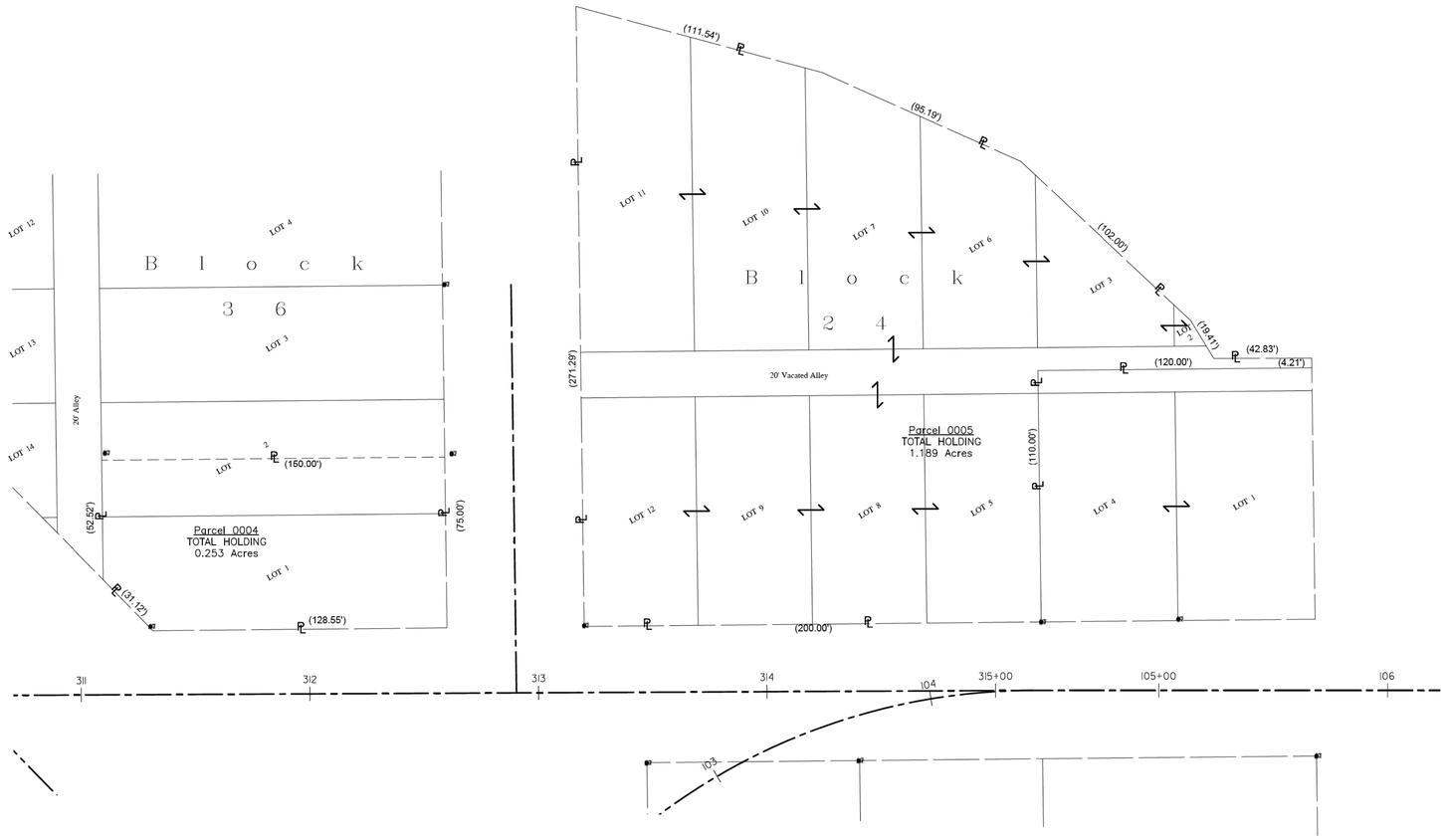
SCALE: 1" = 30'



LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 — 15)

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
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- CUT CROSS FOUND OR SET
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STAKING OF PROPOSED RIGHT OF WAY.
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
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STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

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035-003603
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
CRYSTAL LAKE, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

"LICENSE EXPIRES 11-30-2018"

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REVISION DATE: 05-10-2017 REVISION MADE BY: AEB

IDOT USE ONLY

BAXTER & WOODMAN Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ST. LOUIS STREET

LIMITS : at Illinois Route 53 COUNTY : WILL
SECTION : 07-00019-00-CH JOB NO. : R-
STA. - TO STA. -
SCALE : 1" = 20' SHEET 8 OF 8 SHEETS

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

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM ...\plotdrv\pdf-BW_Default.plt
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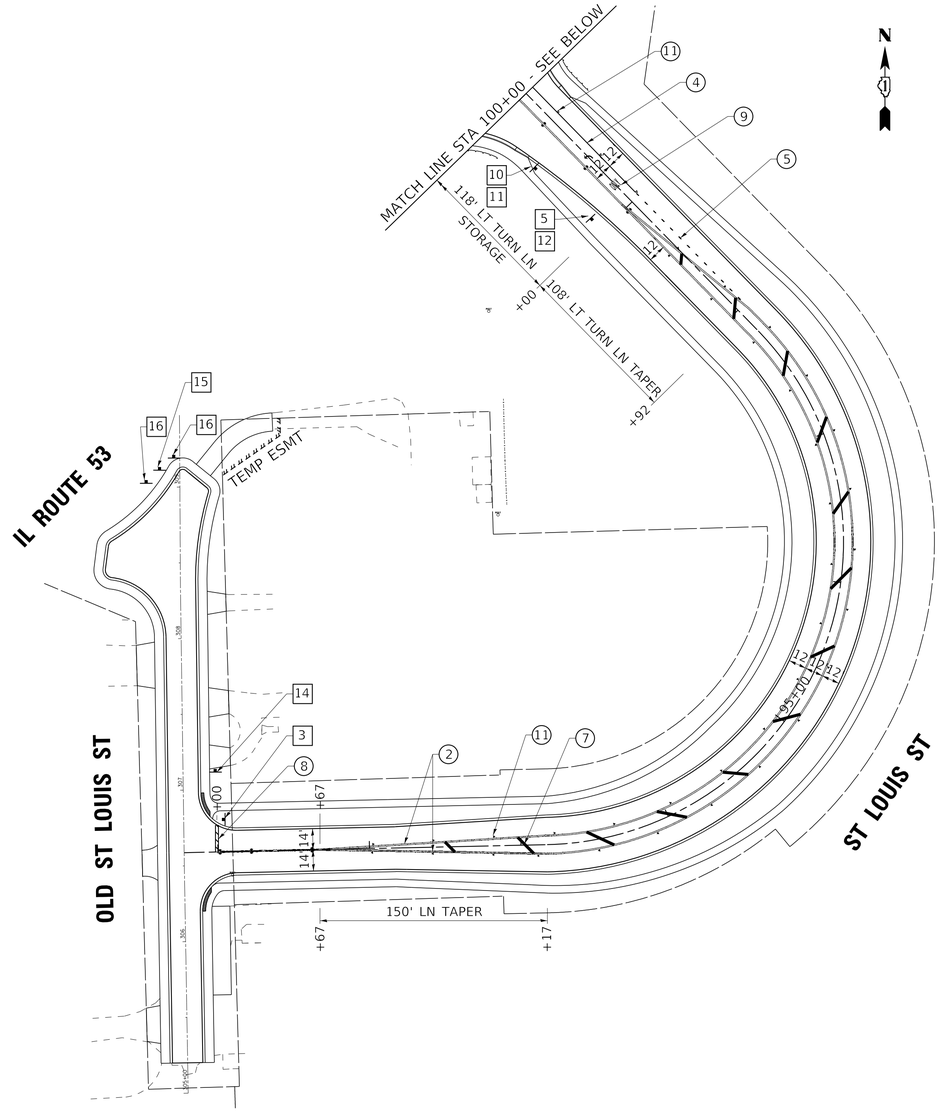
License No. - 184-001121 - Expires 4-30-19

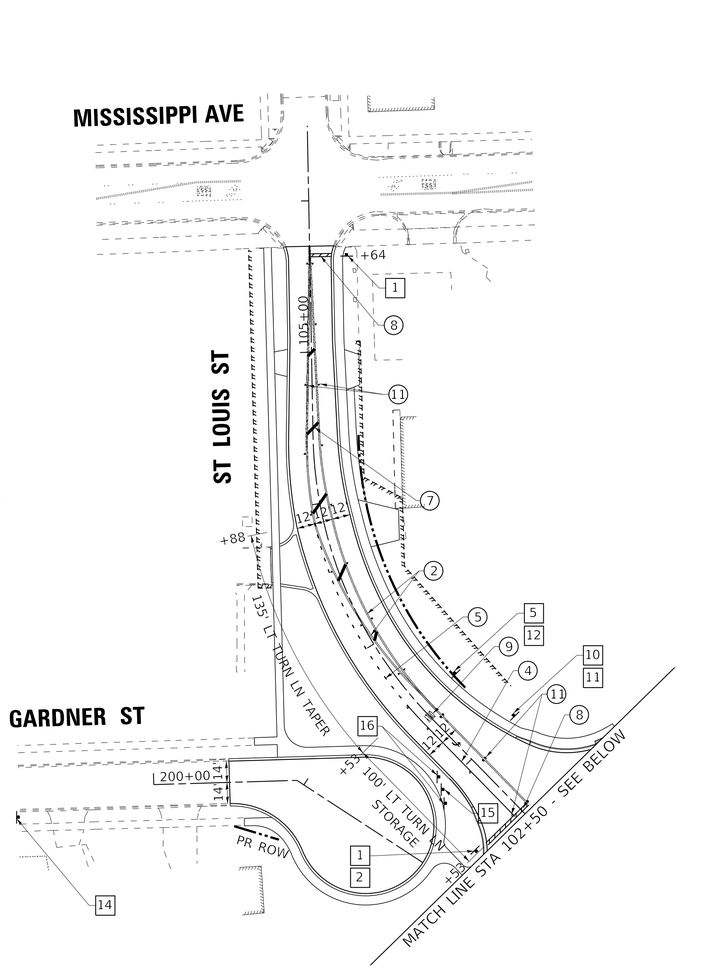
BAXTER & WOODMAN Consulting Engineers	USER NAME = 765aks	DESIGNED - AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS
		DRAWN - CJC	REVISED -		
	PLOT SCALE = 1.0000 ' / in.	CHECKED - DTH	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_Plats.dgn		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	52
		CONTRACT NO. 61F94		
		ILLINOIS	FED. AID PROJECT C0WU(521)	



SIGN LEGEND

1	STOP	R1-1 36" X 36" W/R
2	CROSS TRAFFIC DOES NOT STOP	W4-I100 36" X 18" B/Y
3	STOP	R1-1 30" X 30" W/R
4	SPEED LIMIT 55	R2-1 30" X 36" B/W
5	SPEED LIMIT 25	R2-1 30" X 36" B/W
6	ONLY	R3-5R 30" X 36" B/W
7	ONLY	R3-5L 30" X 36" B/W
8	St Louis St	W2-1 36" X 36" B/Y W16-5 24" X 9" B/Y
9		R4-7 24" X 30" B/W
10		R5-2 24" X 24" B&R/W
11	WEIGHT LIMIT 6 TONS	R12-1 24" X 30" B/W
12	NO PARKING	R8-3 12" X 18" R/W
13	NO U-TURN VEHICLES OVER 22 FT	CUSTOM 30" X 18" B/W
14	NO OUTLET	W14-2 30" X 30" B/Y
15	ROAD ENDS	R11-I100 30"X36" B/W
16		OBJECT MARKER-TYPE 4 RED



PAVEMENT MARKING LEGEND

1. LINE 4" (WHITE)
2. LINE 4" (DOUBLE YELLOW - 11" C-C)
3. LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
4. LINE 6" (WHITE)
5. LINE 6" (WHITE) - 2' DASH, 6' SKIP
6. LINE 12" (WHITE) CHEVRONS - @ 45° 30' C-C
7. LINE 12" (YELLOW) DIAGONAL- @ 45° 50' C-C (5 MINIMUM EQUALLY SPACED)
8. LINE 24" (WHITE) STOP BAR
9. LETTERS AND SYMBOLS
10. LINE 4" (YELLOW)
11. RAISED REFLECTIVE PAVEMENT MARKER (SPACED 40' C-C)

NOTES:
1. FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.

0 50 100 150
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BAXTER & WOODMAN Consulting Engineers

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	DRAWN - CJC	REVISED -
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PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_PM1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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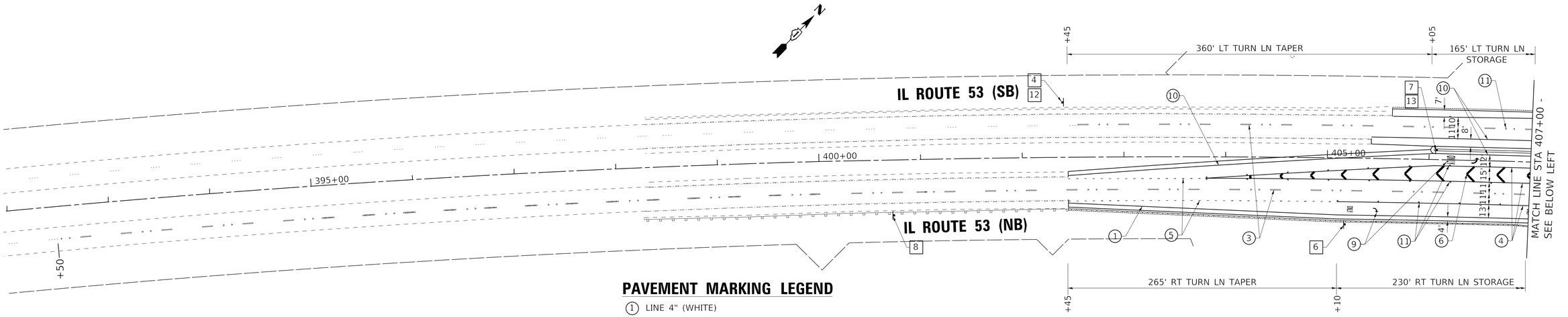
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		



PAVEMENT MARKING LEGEND

1. LINE 4" (WHITE)
2. LINE 4" (DOUBLE YELLOW - 11" C-C)
3. LINE 4" (WHITE) SKIP DASH - 10' DASH, 30' SKIP
4. LINE 6" (WHITE)
5. LINE 6" (WHITE) - 2' DASH, 6' SKIP
6. LINE 12" (WHITE) CHEVRONS - @ 45° 30' C-C
7. LINE 12" (YELLOW) DIAGONAL- @ 45° 50' C-C (5 MINIMUM EQUALLY SPACED)
8. LINE 24" (WHITE) STOP BAR
9. LETTERS AND SYMBOLS
10. LINE 4" (YELLOW)
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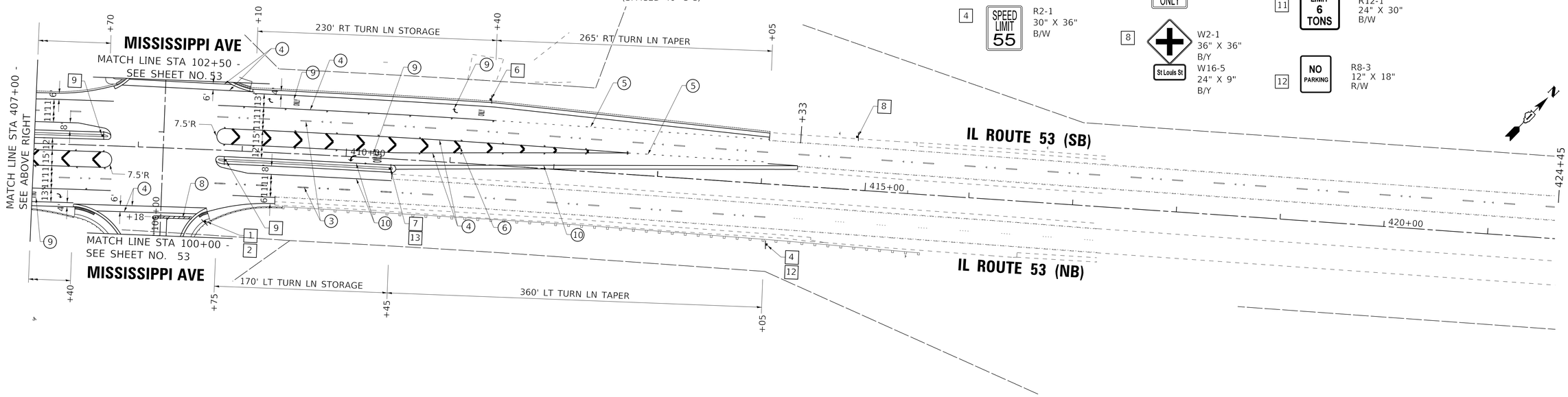
SIGN LEGEND

1	STOP	R1-1, 36" X 36", W/R
2	CROSS TRAFFIC DOES NOT STOP	W4-I100, 36" X 18", B/Y
3	STOP	R1-1, 30" X 30", W/R
4	SPEED LIMIT 55	R2-1, 30" X 36", B/W
5	SPEED LIMIT 25	R2-1, 30" X 36", B/W
6	ONLY	R3-5R, 30" X 36", B/W
7	ONLY	R3-5L, 30" X 36", B/W
8	St Louis St	W2-1, 36" X 36", B/Y; W16-5, 24" X 9", B/Y
9		R4-7, 24" X 30", B/W
10		R5-2, 24" X 24", B&R/W
11	WEIGHT LIMIT 6 TONS	R12-1, 24" X 30", B/W
12	NO PARKING	R8-3, 12" X 18", R/W
13	NO U-TURN VEHICLES OVER 22 FT	CUSTOM, 30" X 18", B/W

NOTES:
1. FINAL PAVEMENT MARKING ON HOT-MIX ASPHALT SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-13.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT'S D1 DETAIL TC-11.



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BAXTER & WOODMAN Consulting Engineers

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	DRAWN - CJC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN

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

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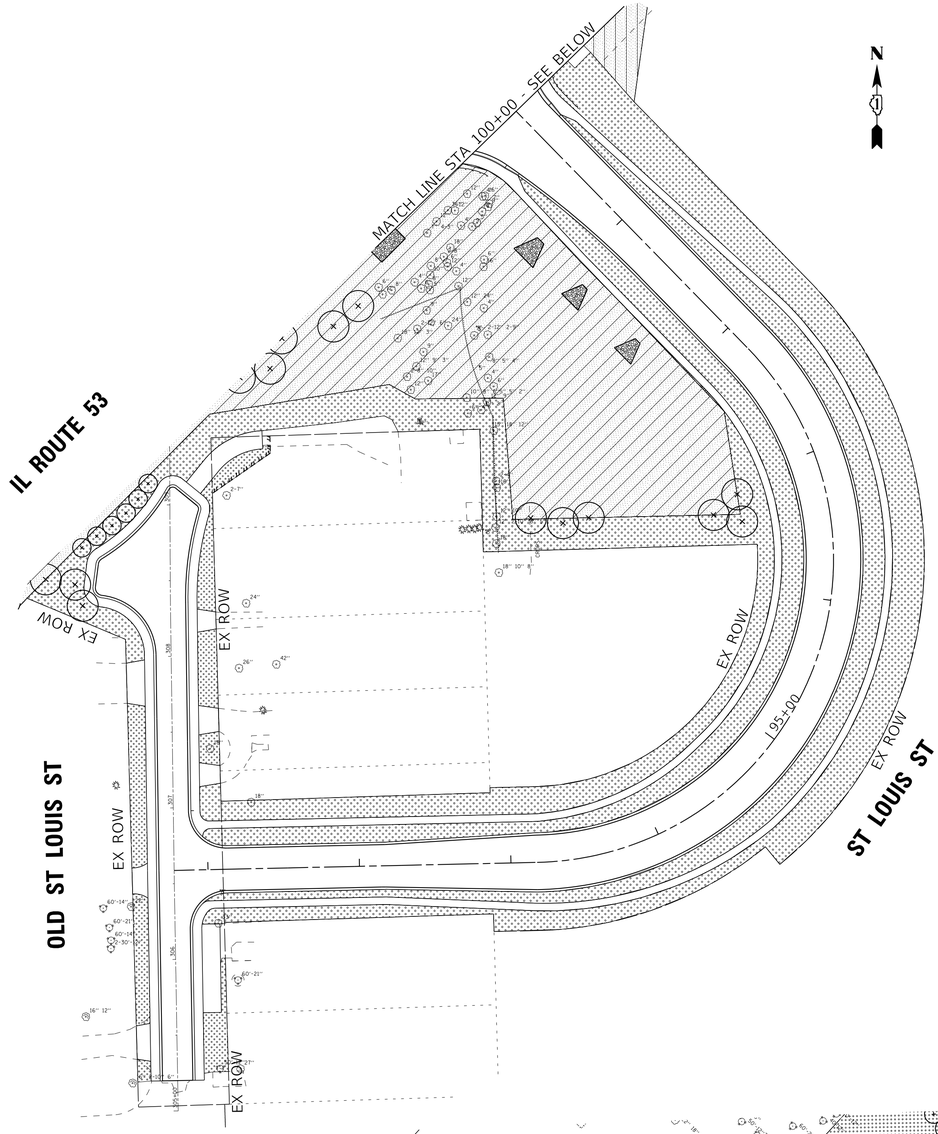
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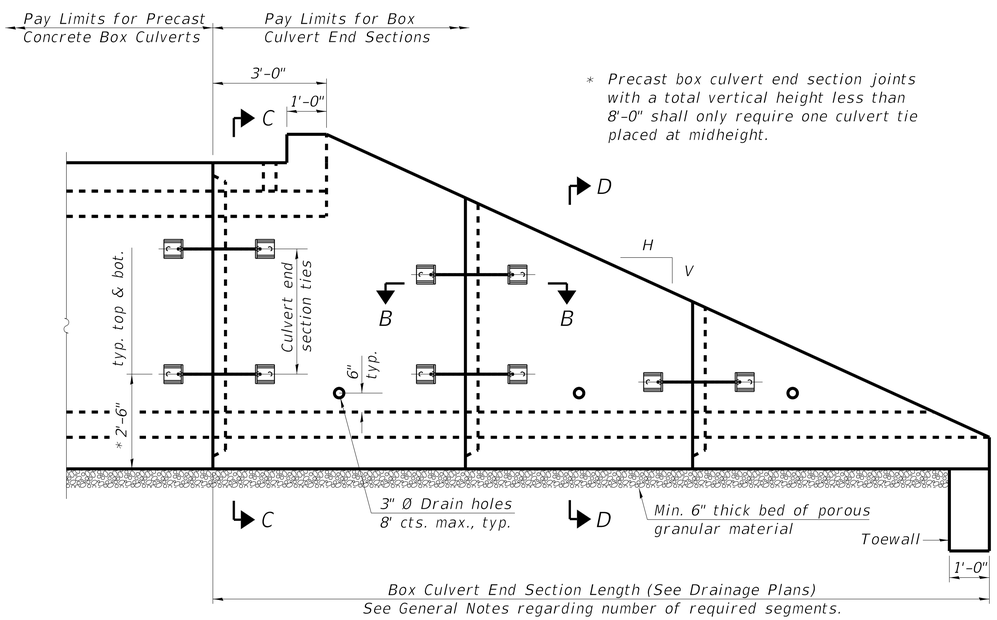
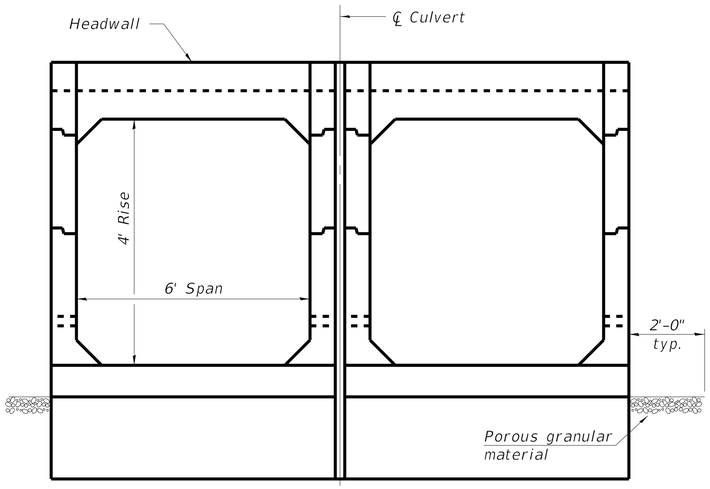
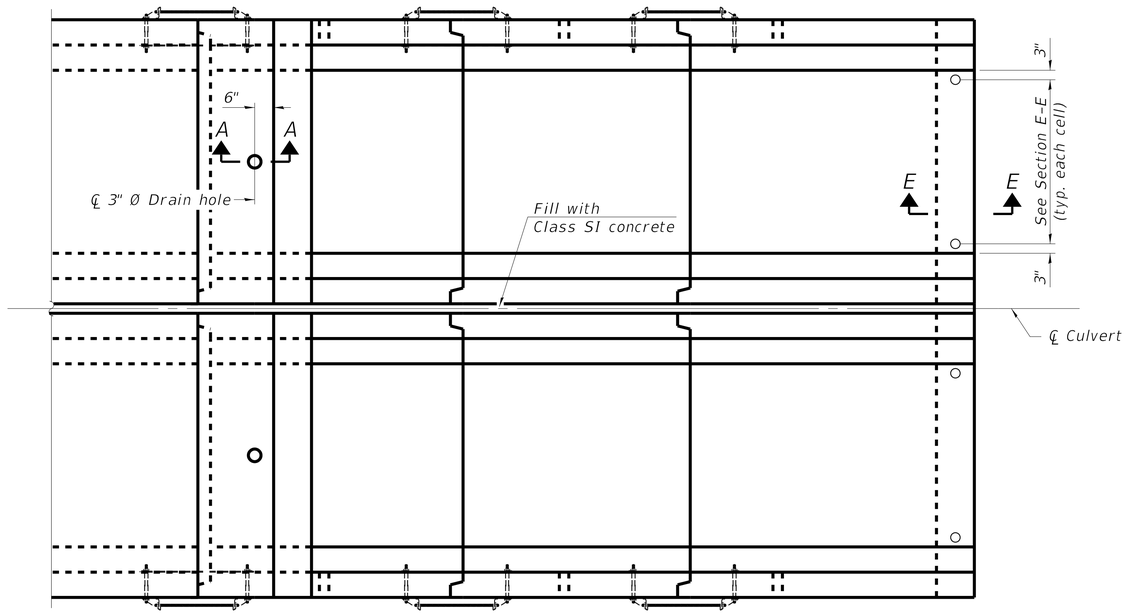
IL ROUTE 53
EX ROW
EX ROW
OLD ST LOUIS ST
EX ROW
EX ROW
EX ROW
ST LOUIS ST
EX ROW
EX ROW
EX ROW



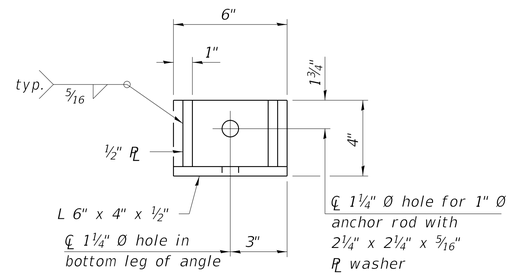
ELEVATION



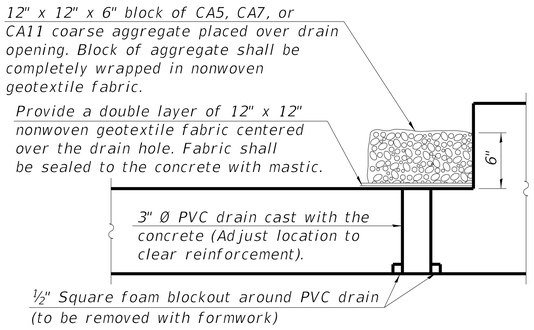
END VIEW



PLAN

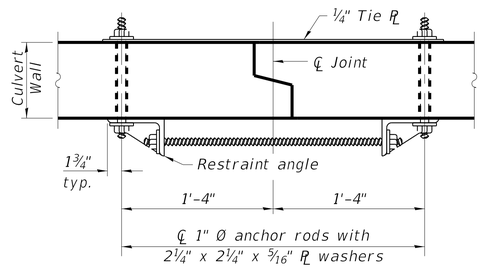


RESTRAINT ANGLE DETAIL



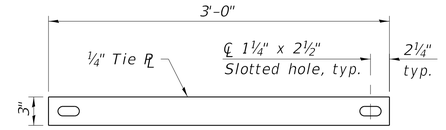
SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION B-B

(Showing end section tie details)



TIE PLATE DETAIL

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See drainage plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2¼" x 2¼" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional ½ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.

The 3" nominal space between adjacent end sections shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Box Culvert End Sections.

Details for double cell box culvert shown. Details for other multi-cell box culverts similar.

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BAXTER & WOODMAN Consulting Engineers

USER NAME =	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS
CULVERT NO. 1 – ST. LOUIS STREET AT IL 53

SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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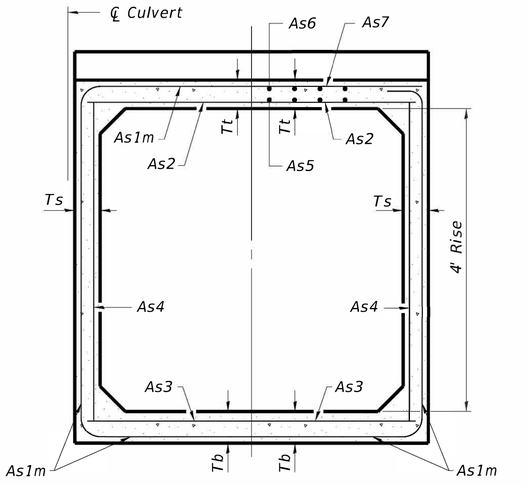
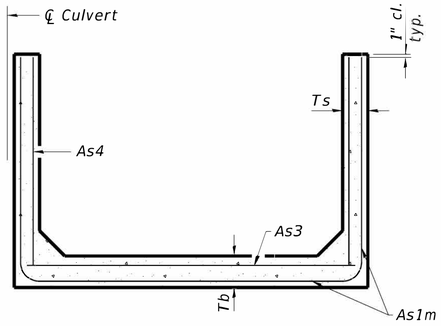
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

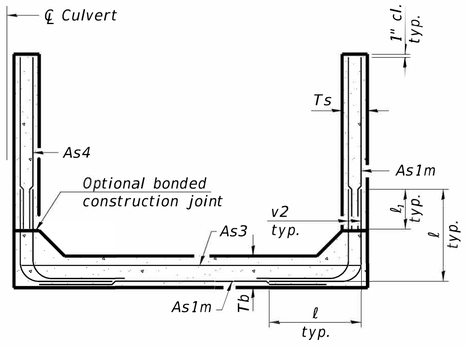


(Design Earth Cover ≥ 2 ft) (Design Earth Cover < 2 ft)

SECTION C–C



SECTION D–D



ALTERNATE SECTION D–D

As1m REINFORCEMENT
(in.²/ ft)

Ts (in.) \ Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6	0.22	0.26	0.23	0.22							
7	0.25	0.33	0.59	0.27	0.28						
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40				
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48			
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56		
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

ℓ1 DIMENSION

#3 bar = 2'–0"
#4 bar = 2'–8"
#5 bar = 3'–4"
#6 bar = 3'–11"

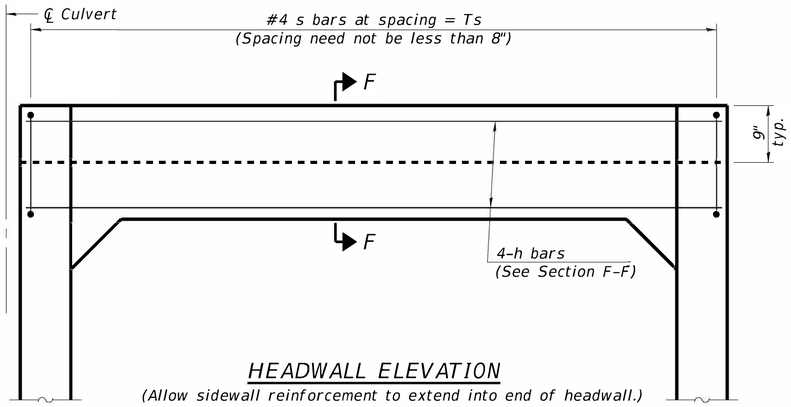
Notes:

Alternate Section D–D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D–D.

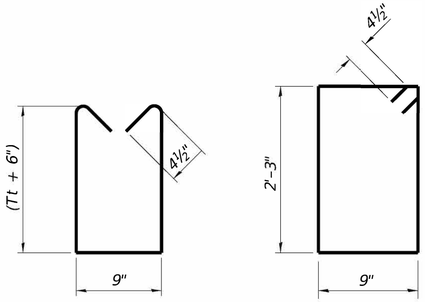
The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

Sections C–C, D–D, and Headwall Elevation are symmetric about ℄ culvert through 180° rotation.

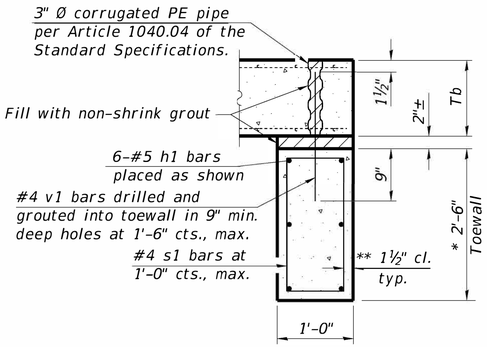


HEADWALL ELEVATION
(Allow sidewall reinforcement to extend into end of headwall.)



BAR s

BAR s1



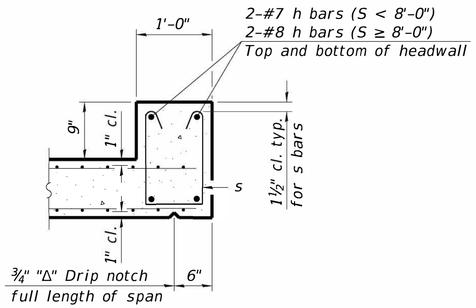
SECTION E–E

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION F–F

MCB–TES 2–17–2017

(Sheet 2 of 2)

BAXTER & WOODMAN Consulting Engineers	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVIS ED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI–CELL PRECAST BOX CULVERT TAPERED END SECTIONS
CULVERT NO. 1 – ST. LOUIS STREET AT IL 53
SHEET 2 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	57
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		

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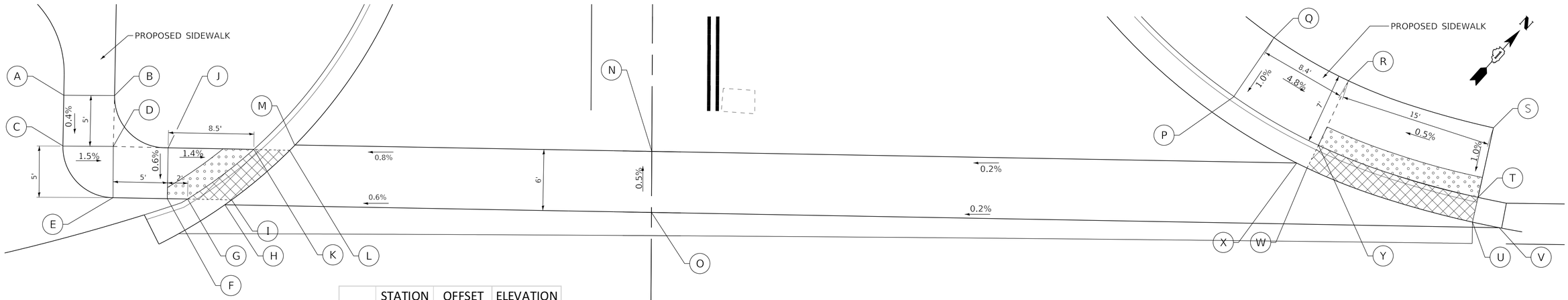

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B	101+54.2	52.9' LT	645.60
C	101+49.2	58.0' LT	645.66
D	101+49.2	53.0' LT	645.58
E	101+44.2	53.0' LT	645.55
F	101+44.1	47.7' LT	645.47
G	101+44.1	45.7' LT	645.44
H	101+43.5	42.0' LT	645.44
I	101+44.0	41.3' LT	645.43
J	101+49.1	47.6' LT	645.50
K	101+49.0	39.2' LT	645.38
L	101+48.9	35.6' LT	645.38
M	101+49.4	35.1' LT	645.38
N	101+49.0	0.0	645.66
O	101+43.0	0.0	645.69
P	101+54.7	57.3' RT	646.17
Q	101+60.5	61.3' RT	646.24
R	101+56.3	68.6' RT	645.84
S	101+51.8	82.8' RT	645.91
T	101+44.9	81.3' RT	645.84
U	101+42.5	80.8' RT	645.84
V	101+41.9	83.4' RT	645.85
W	101+47.7	64.6' RT	645.77
X	101+48.2	63.5' RT	645.77
Y	101+49.9	65.6' RT	645.77

ST LOUIS ST

101

408

409

IL RTE 53

LEGEND

XX.XX' PROPOSED LENGTH, ELEVATION, OR SLOPE

(XX.XX') EXISTING LENGTH, ELEVATION, OR SLOPE

PROPOSED SIDE CURB

DETECTABLE WARNINGS

DEPRESSED CURB

0 5 10 15

SCALE IN FEET

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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL ROUTE 53 AT ST LOUIS STREET

SCALE: 1" = 5' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	58
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT C0WU(521)		

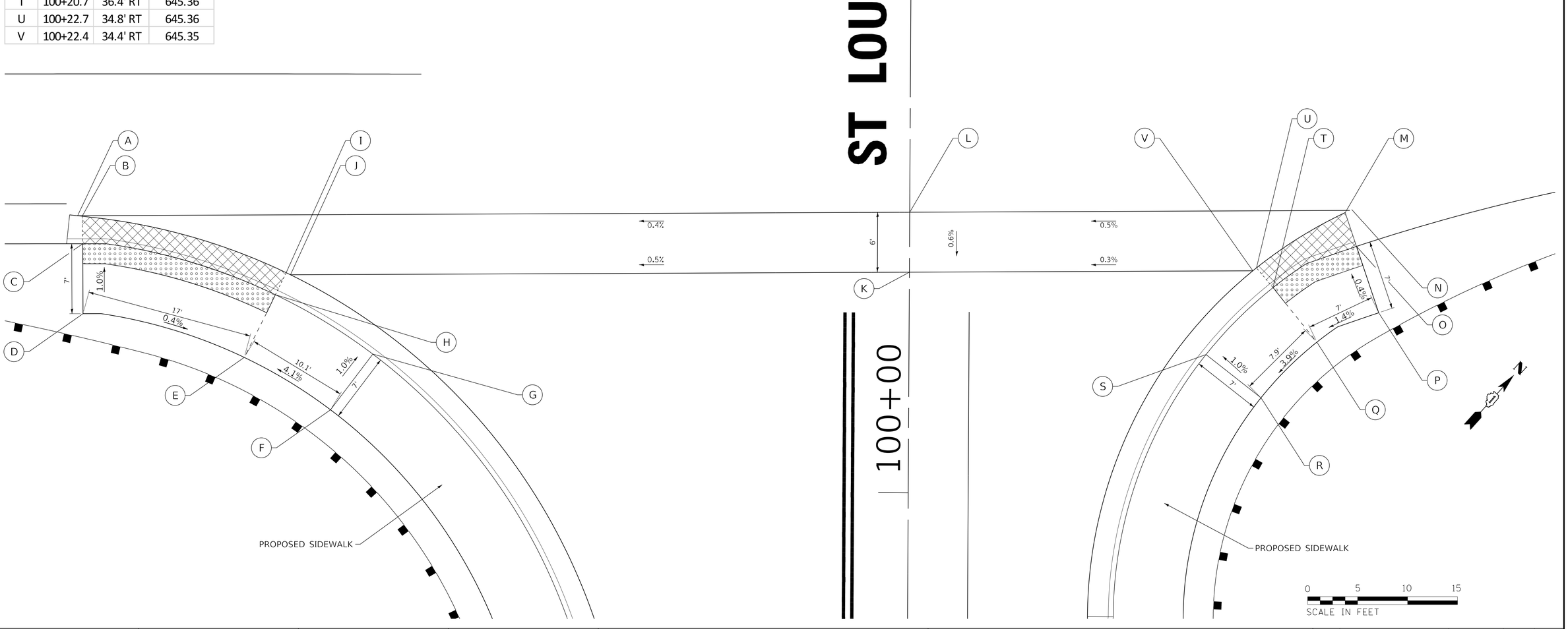
	STATION	OFFSET	ELEVATION
A	100+27.3	83.3' LT	645.00
B	100+27.2	82.8' LT	645.00
C	100+24.5	82.7' LT	645.00
D	100+17.5	82.7' LT	645.07
E	100+13.2	66.4' LT	645.00
F	100+08.0	57.8' LT	645.41
G	100+13.6	53.6' LT	645.34
H	100+19.5	63.4' LT	644.93
I	100+21.7	62.4' LT	644.93
J	100+21.5	61.9' LT	644.93
K	100+22.1	0.0	645.26
L	100+28.1	0.0	645.29
M	100+28.3	43.6' RT	645.50
N	100+28.5	44.0' RT	645.50
O	100+24.9	44.7' RT	645.50
P	100+18.3	47.0' RT	645.53
Q	100+15.3	40.8' RT	645.43
R	100+09.7	35.2' RT	645.74
S	100+14.0	29.7' RT	645.67
T	100+20.7	36.4' RT	645.36
U	100+22.7	34.8' RT	645.36
V	100+22.4	34.4' RT	645.35

LEGEND

XX.XX'	PROPOSED LENGTH, ELEVATION, OR SLOPE
(XX.XX')	EXISTING LENGTH, ELEVATION, OR SLOPE
	PROPOSED SIDE CURB
	DETECTABLE WARNINGS
	DEPRESSED CURB

IL RTE 53

ST LOUIS ST



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BAXTER & WOODMAN Consulting Engineers

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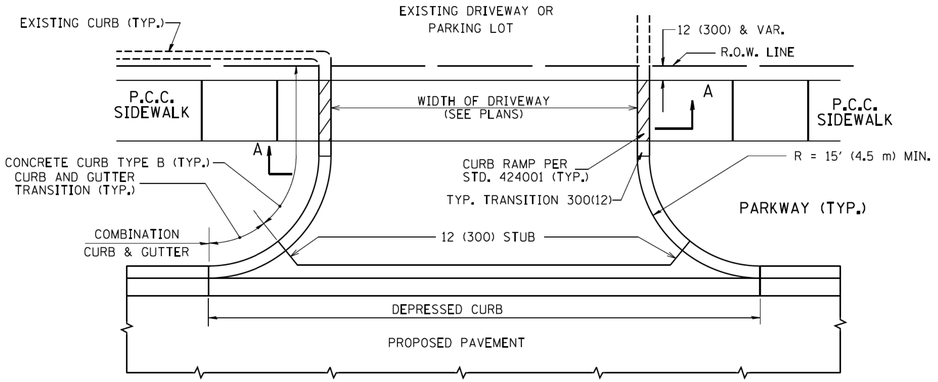
PLOT DATE = 7/29/2019	DATE - 6-10-19	FILE - 121055_ADA-Ramp-Detail2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

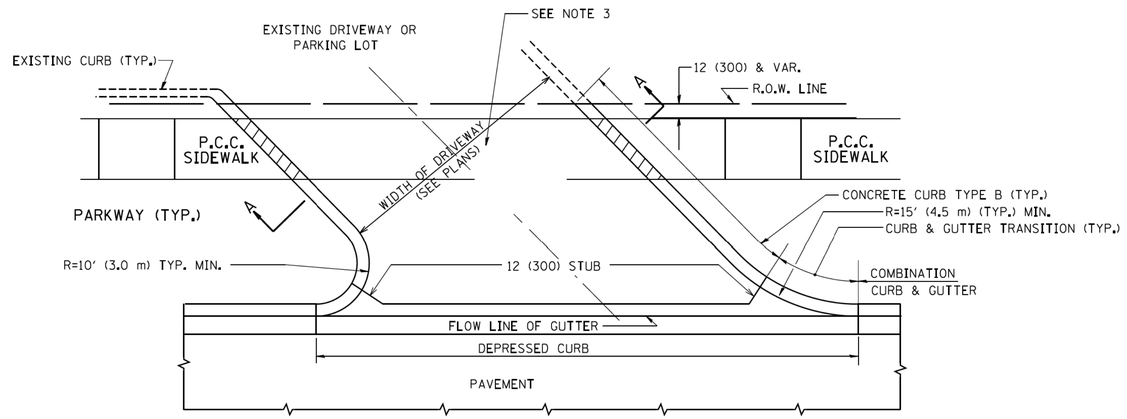
ADA DETAILS
IL ROUTE 53 AT ST LOUIS STREET

SCALE: 1" = 5' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	59
		CONTRACT NO. 61F94		
	ILLINOIS	FED. AID PROJECT COWU(521)		



WITH CONCRETE CURB, TYPE B



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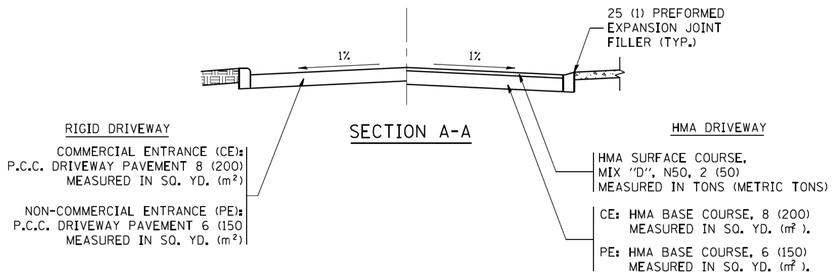
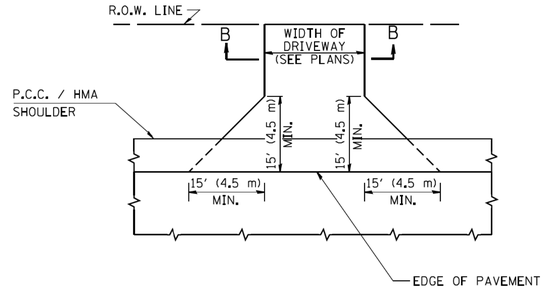
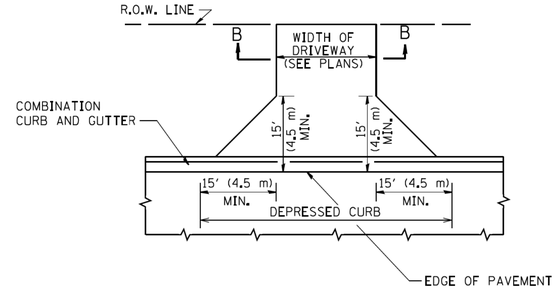
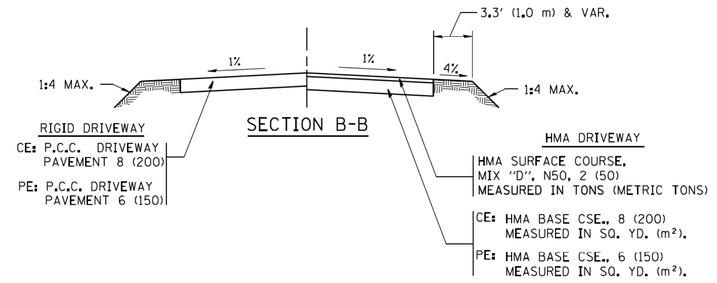




ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m^2).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

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	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08	
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11	

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	60
	BD0156–07 (BD–01)	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT COWU(521)		

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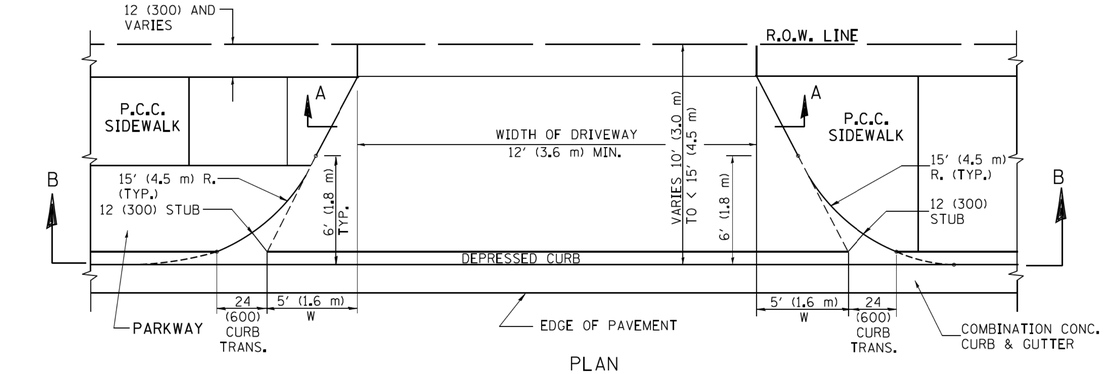
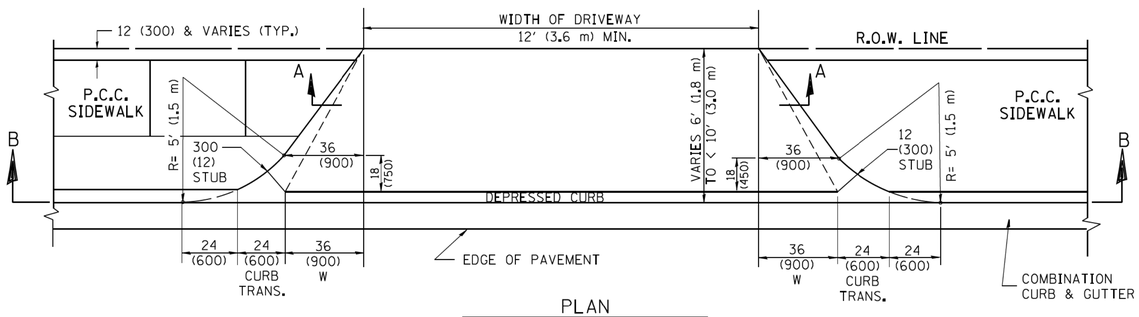


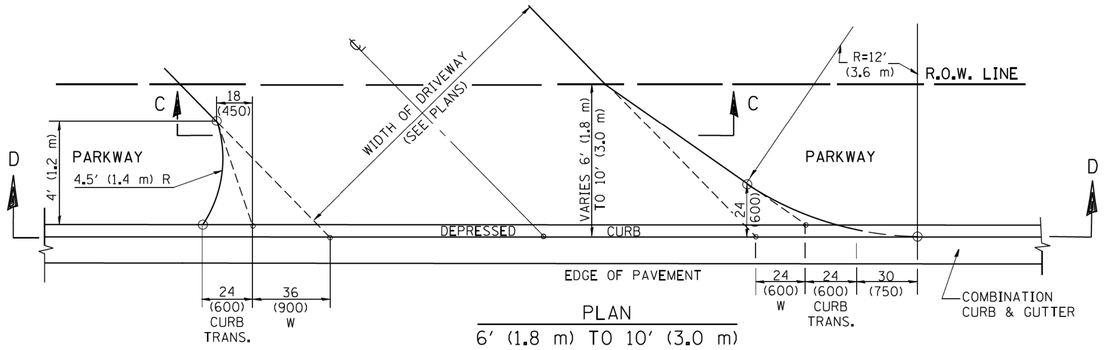
PLAN

10' (3.0 m) TO < 15' (4.5 m)



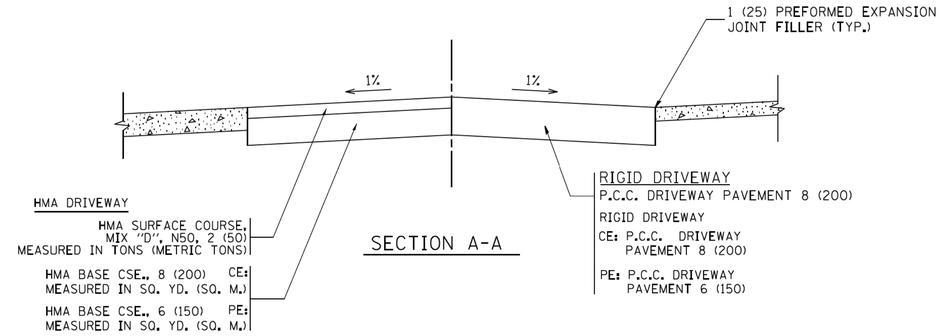
PLAN

6' (1.8 m) TO < 10' (3.0 m)



PLAN

6' (1.8 m) TO 10' (3.0 m)



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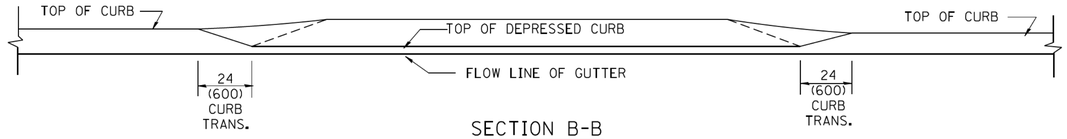

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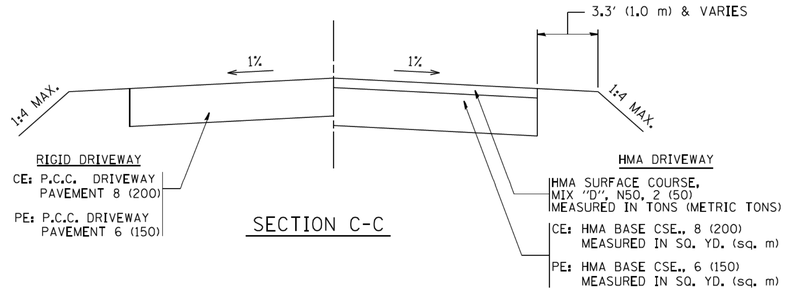
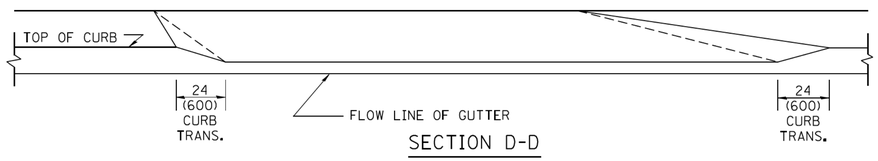


SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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LICENSE NO. - 184-001121 - EXPIRES 4/30/2019
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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	61
	BD400-02 (BD-02)	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT COWU(521)		

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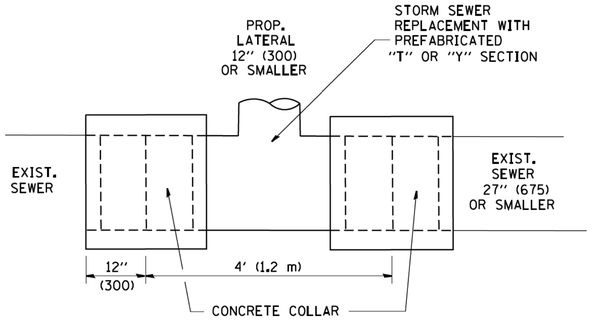
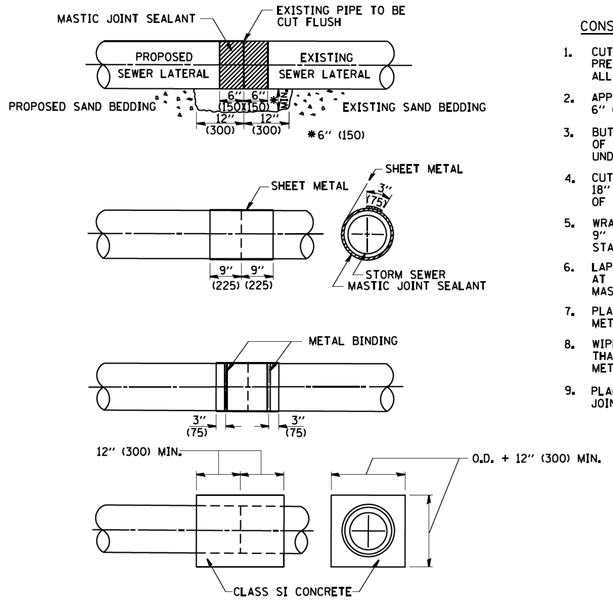


DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

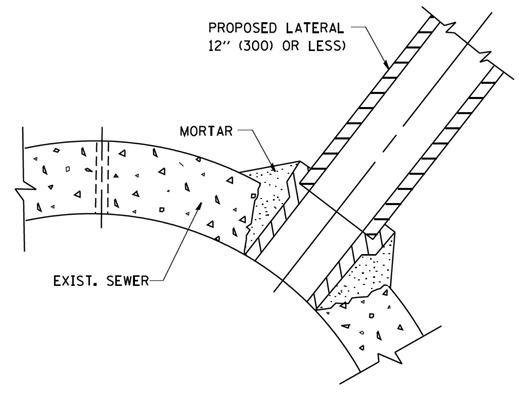


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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		DRAWN -	REVISED - R. SHAH 09-09-94		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94		
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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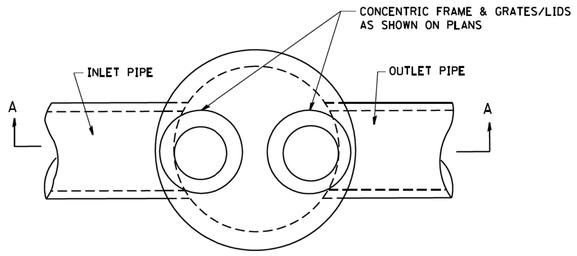
	BD500-01 (BD-7)	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	COWU(521)	



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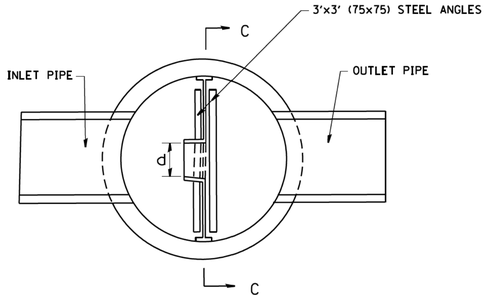

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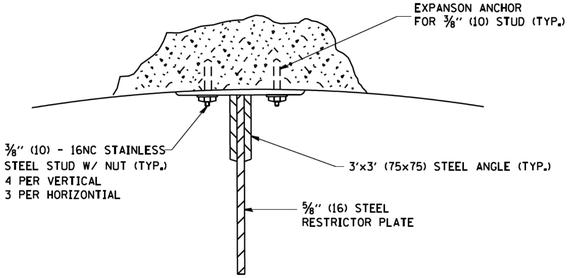
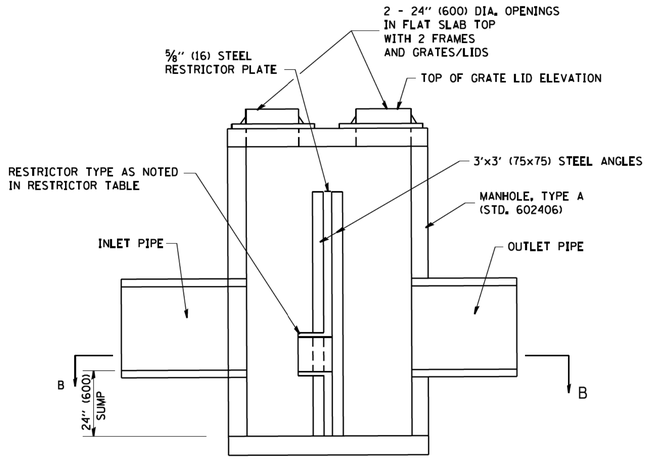


ANGLE FASTENER DETAIL



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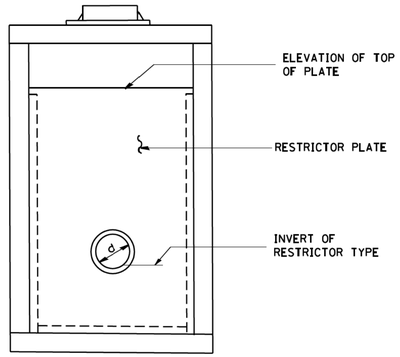
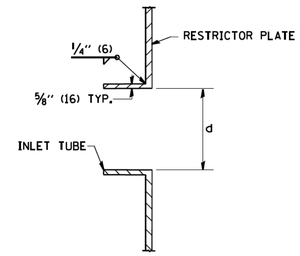


SECTION C-C

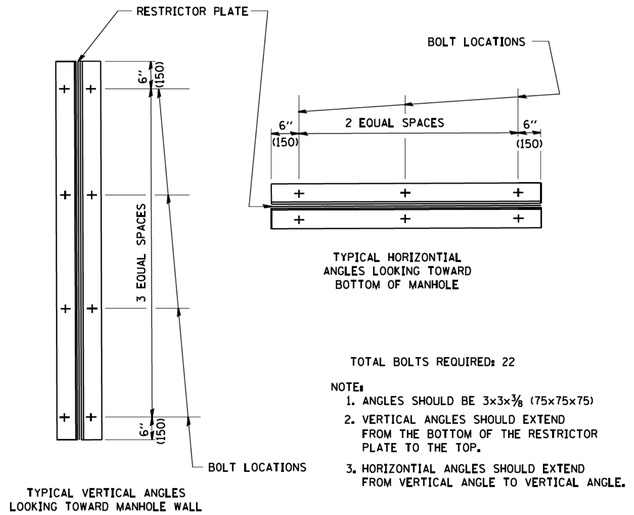
NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



INLET TUBE DETAIL

	STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
S3-13	99+51.7, 29.4' LT	6'	TYPE 1, CL	2	24	640.20	643.00



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL

TYPICAL HORIZONTIAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x⅜ (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTIAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: ½ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-½ DIA.	LENGTH: 2-½ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

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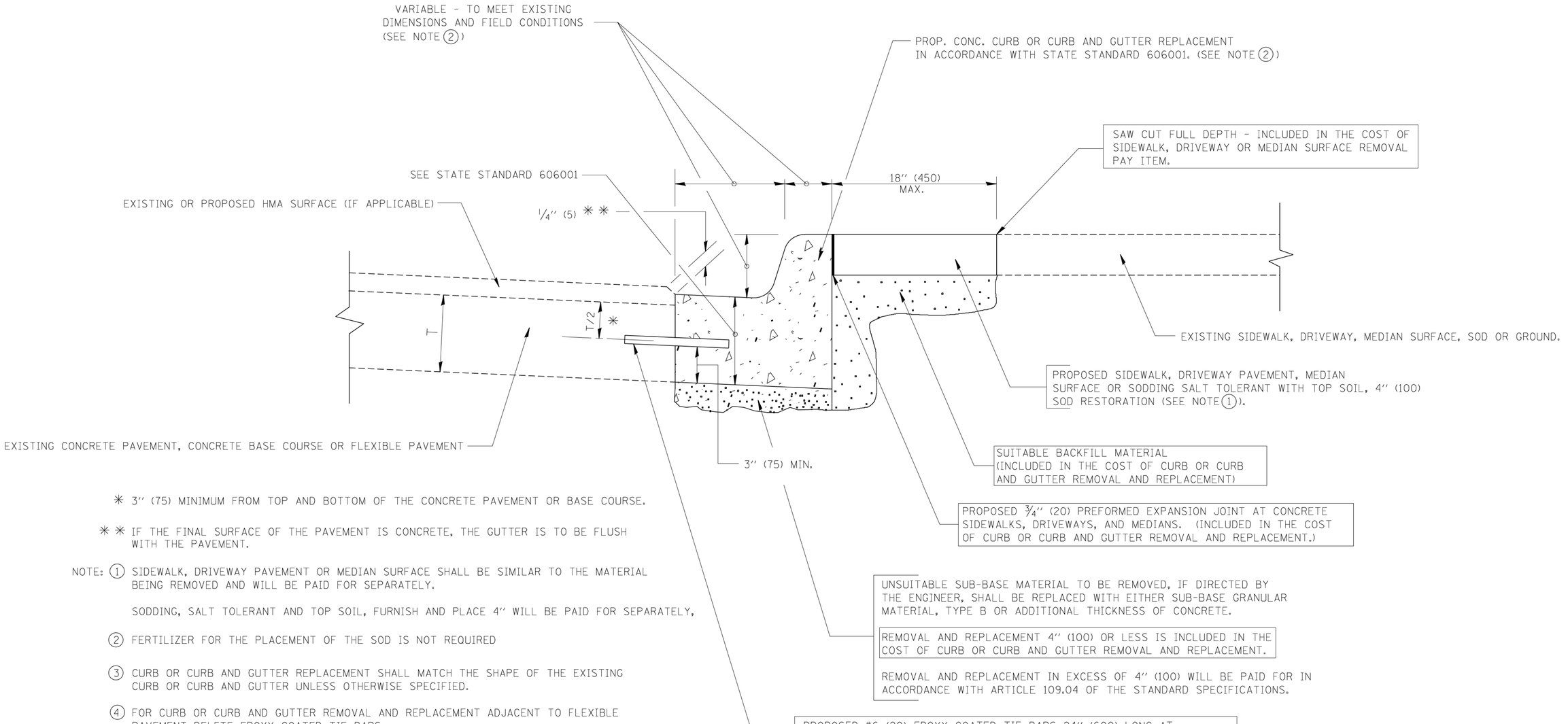
		DRAWN -	REVISED - E. GOMEZ 08-28-00		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01		
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	63
	BD600-04 (BD-12)	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	COWU(521)	



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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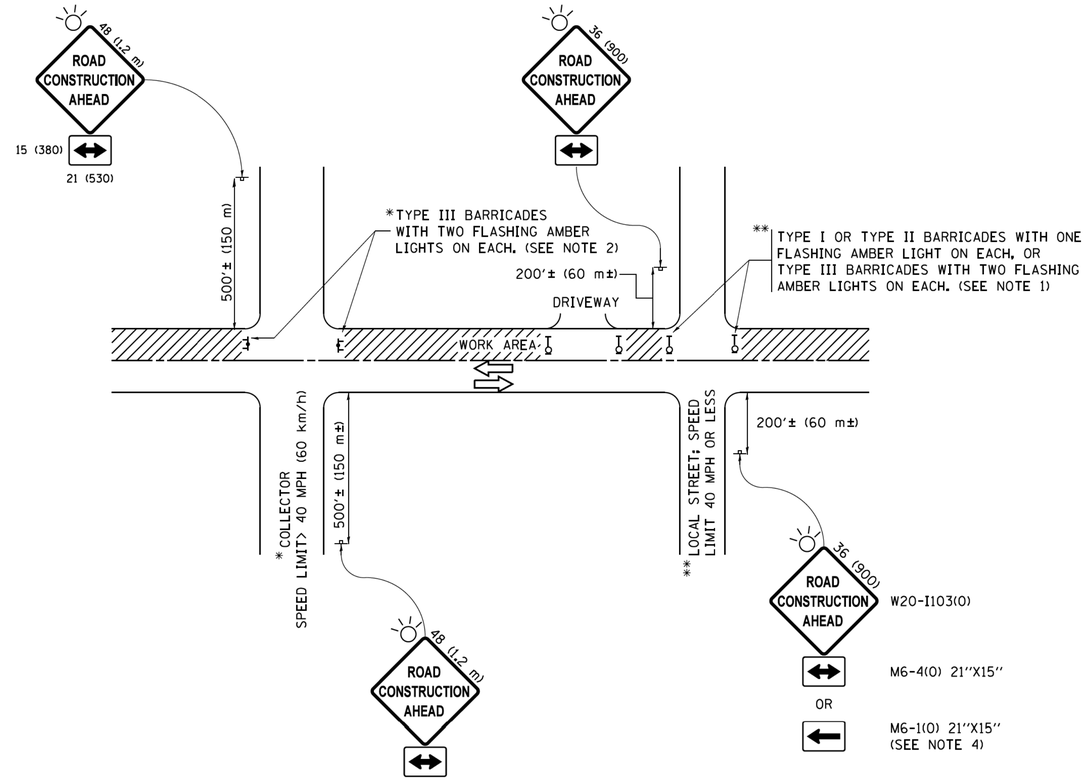
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 12/15/2009	CHECKED -	REVISED - M. GOMEZ 01-22-01		
		DATE - 03-11-94	REVISED - R. BORO 12-15-09		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	64
	BD600-06 (BD-24)	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	COWU(521)	



NOTES:

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

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

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Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
			REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	65
	TC-10	CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT COWU(521)			

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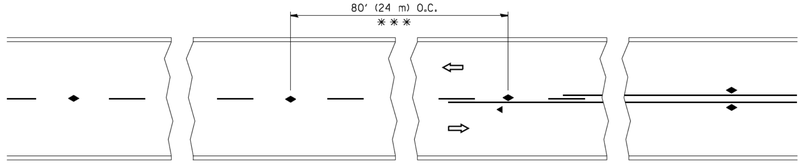
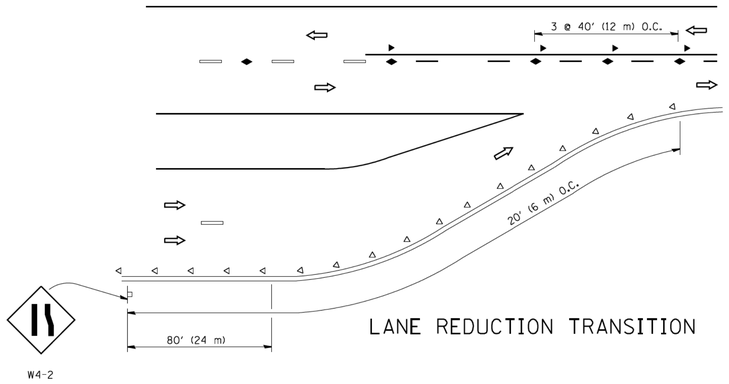
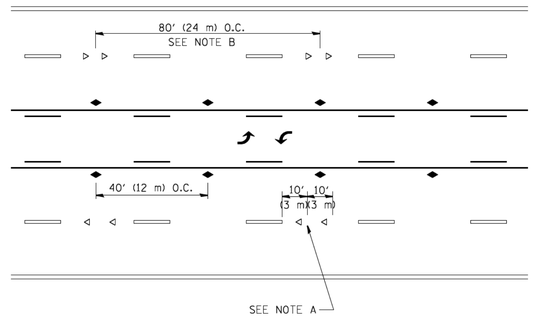


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

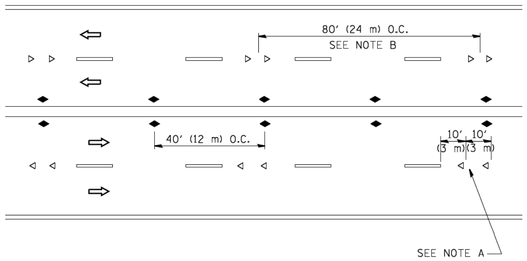
TWO-LANE/TWO-WAY



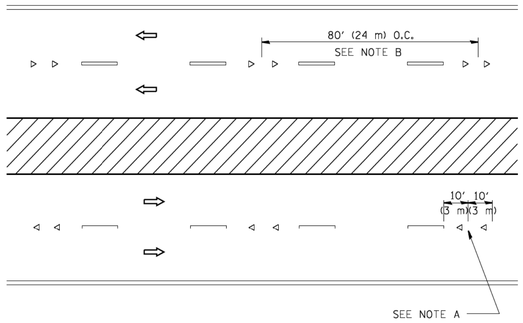
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

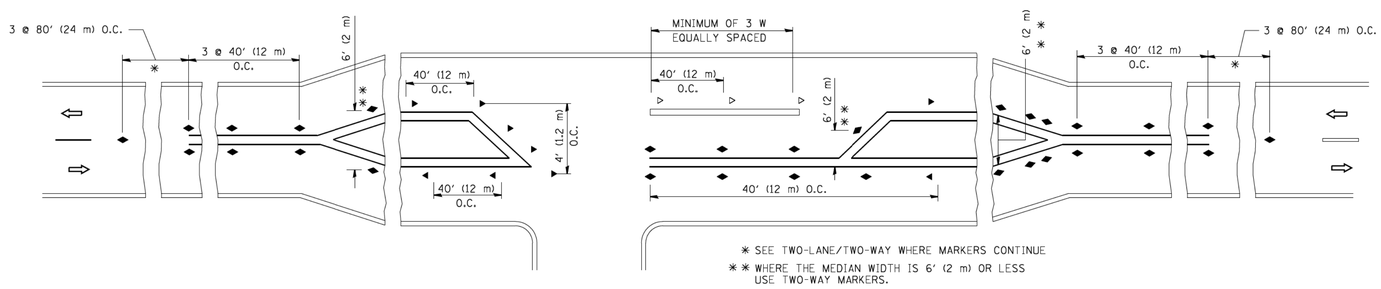
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

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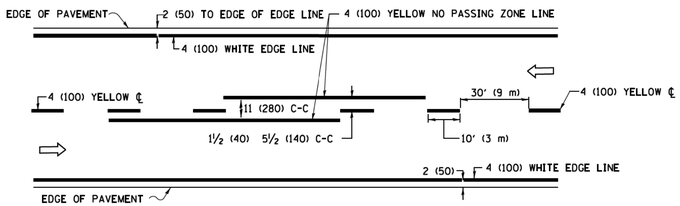
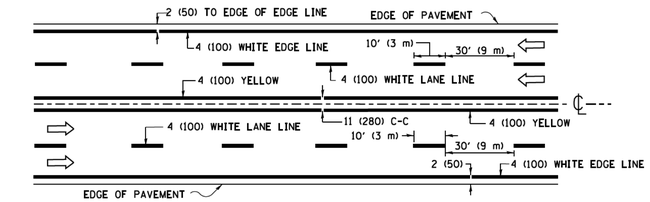
		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		

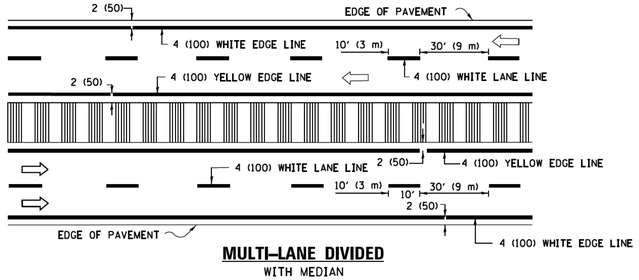
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	66
	TC-11	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT COWU(521)		



2–LANE ROADWAY

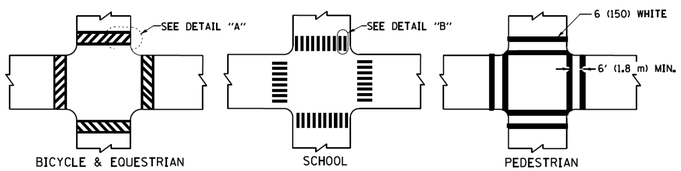


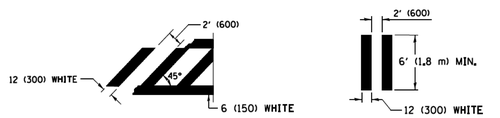
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

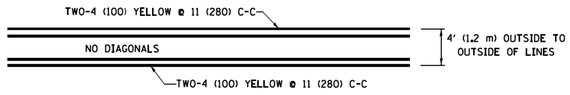




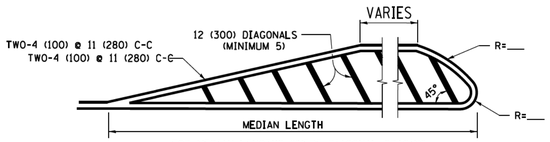
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



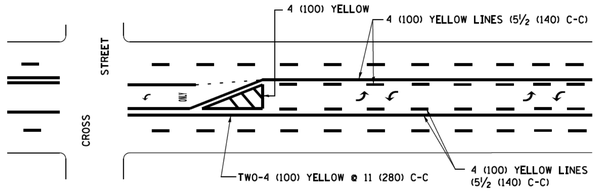
4' (1.2 m) WIDE MEDIANS ONLY



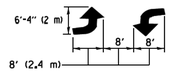
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

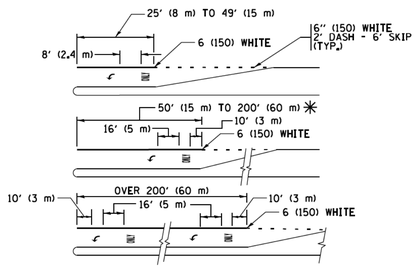


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

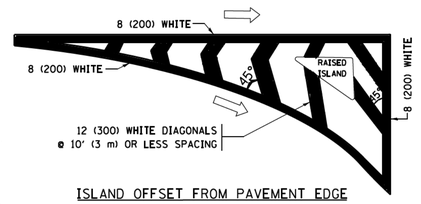


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

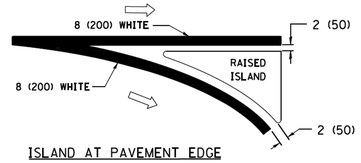
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

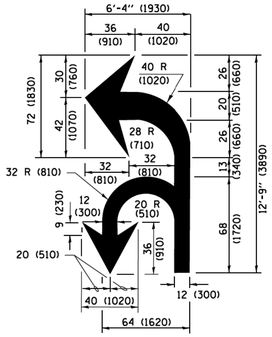


ISLAND OFFSET FROM PAVEMENT EDGE

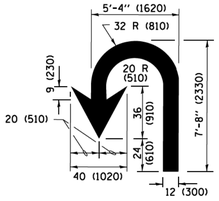


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

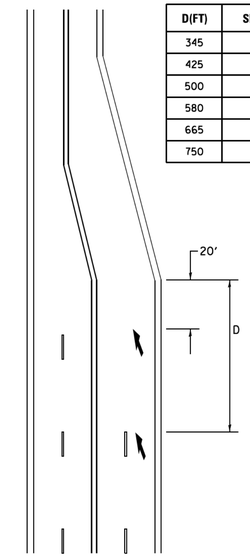


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1,8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1,8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m²) EACH "X"=54,0 SQ. FT. (5,0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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Default	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT COWU(521)		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

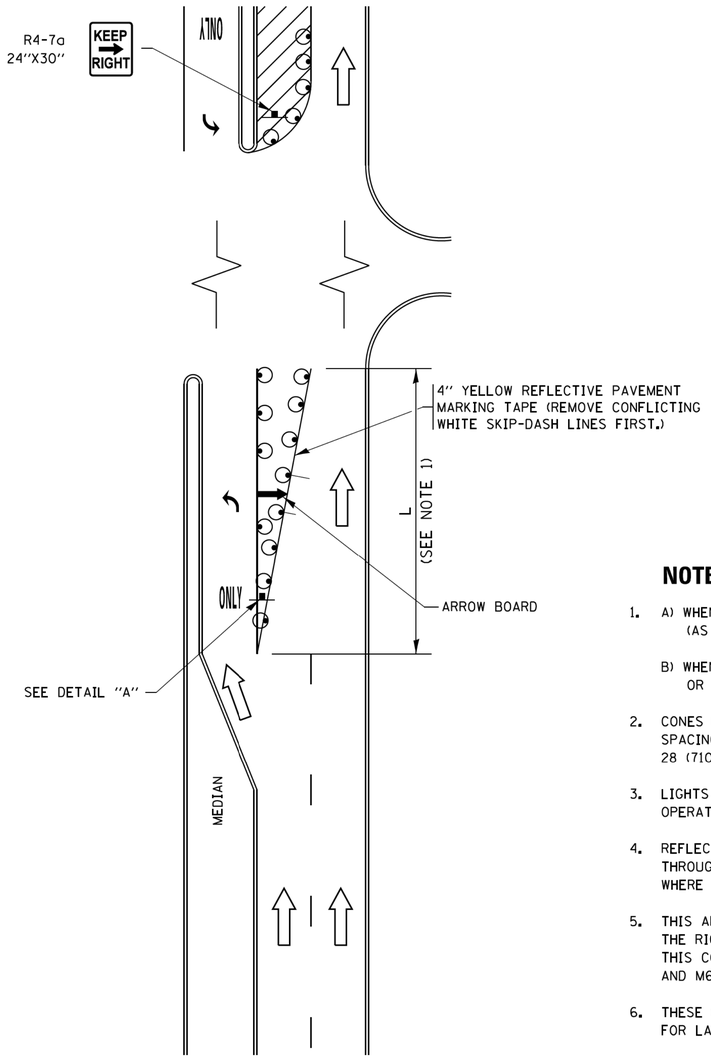


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I10OR 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

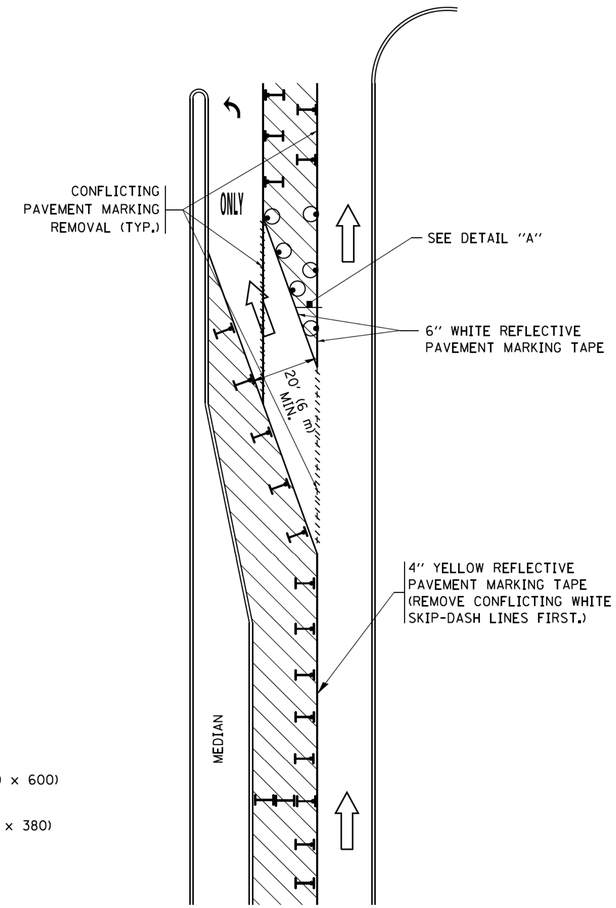
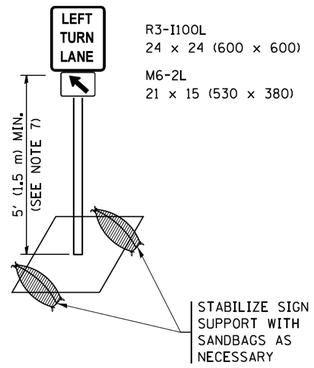


FIGURE 2



DETAIL A

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

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FILE NAME =	USER NAME = footemj	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Distr	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			
	PLOT SCALE = 50.0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		
Default	PLOT DATE = 9/15/2016	REVISED -T. RAMMACHER 01-06-00	REVISED -		

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-14	CONTRACT NO. 61F94		
	ILLINOIS FED. AID PROJECT COWU(521)			

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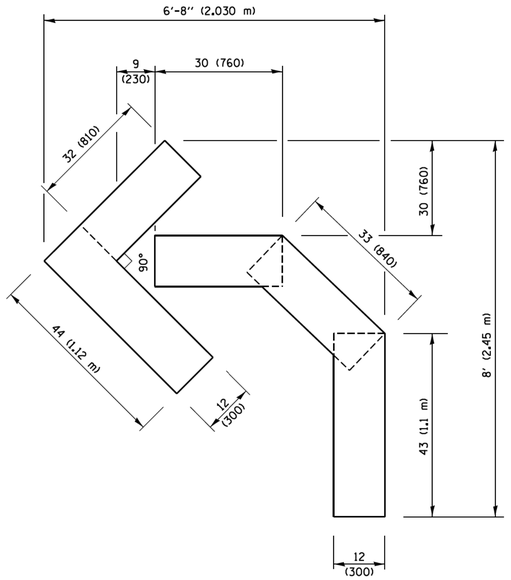
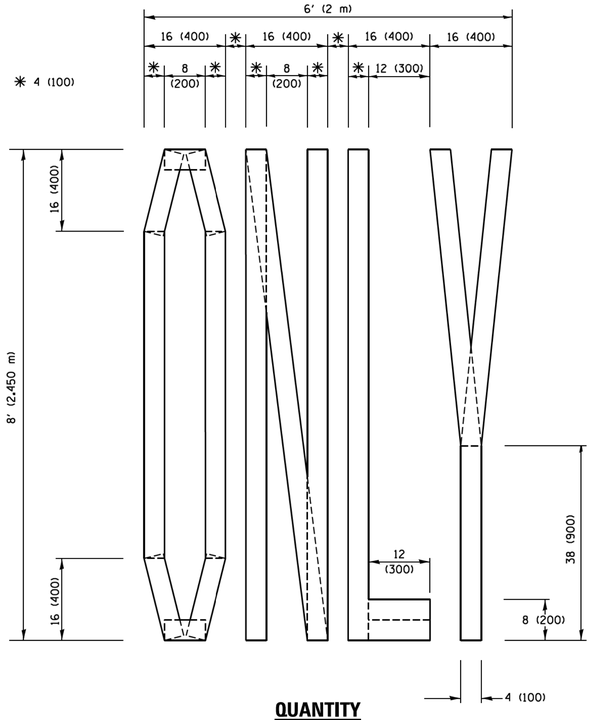


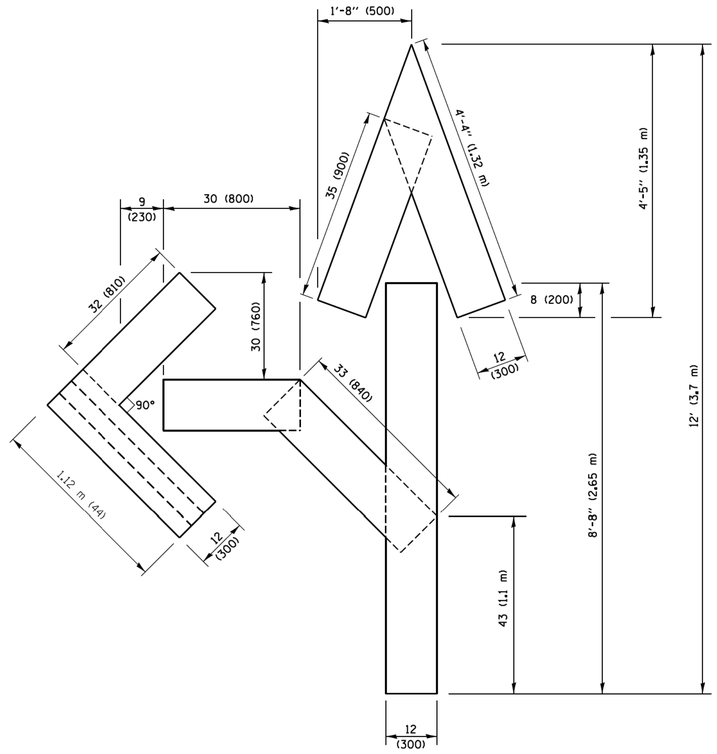
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

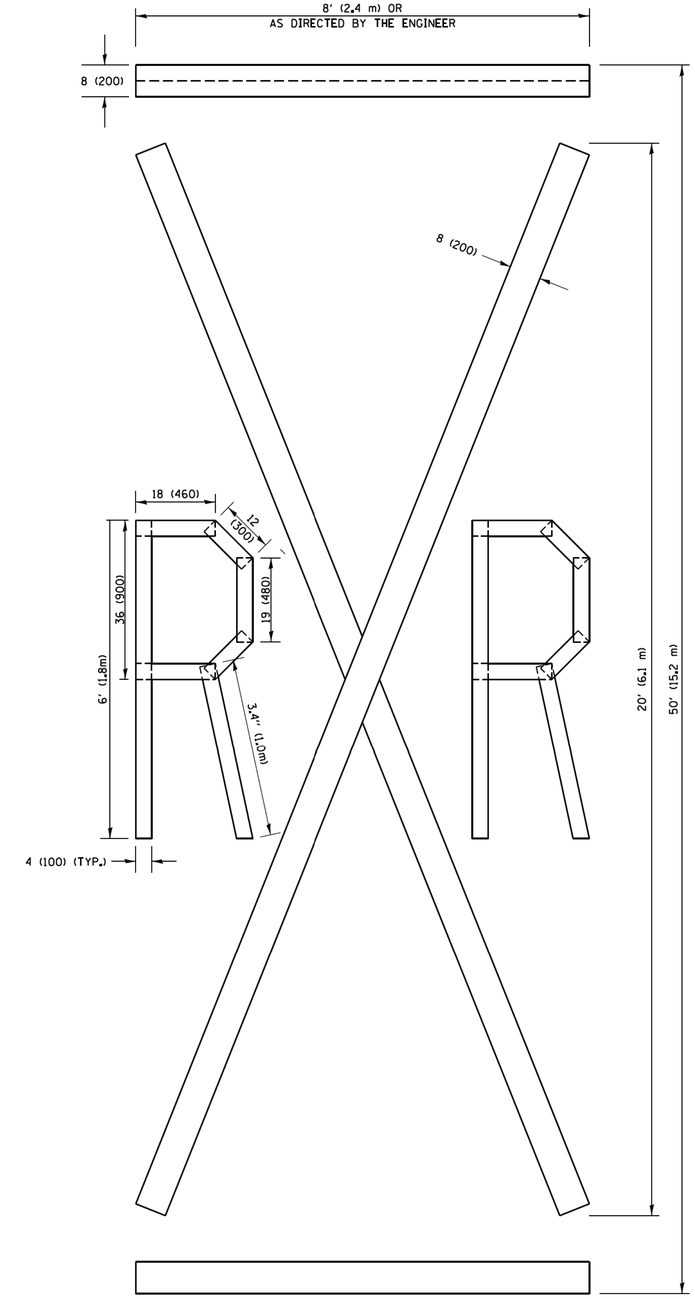


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

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	PLOT DATE = 9/15/2016	CHECKED -	REVISED -E. GOMEZ 08-28-00		
		DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	69
	TC-16	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT COWU(521)		

ROUTE MARKERS

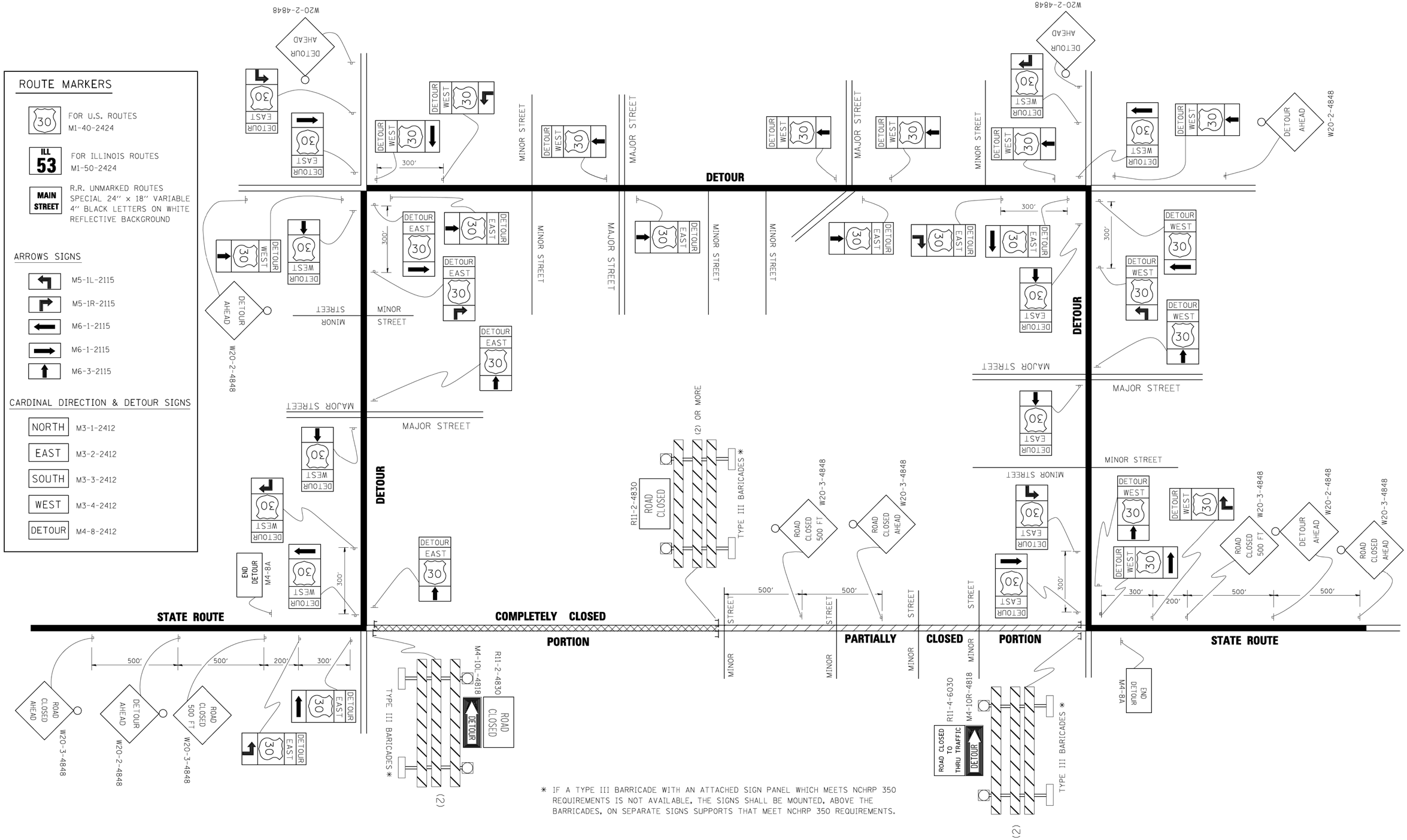
- 30 — FOR U.S. ROUTES M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH M3-1-2412
- EAST M3-2-2412
- SOUTH M3-3-2412
- WEST M3-4-2412
- DETOUR M4-8-2412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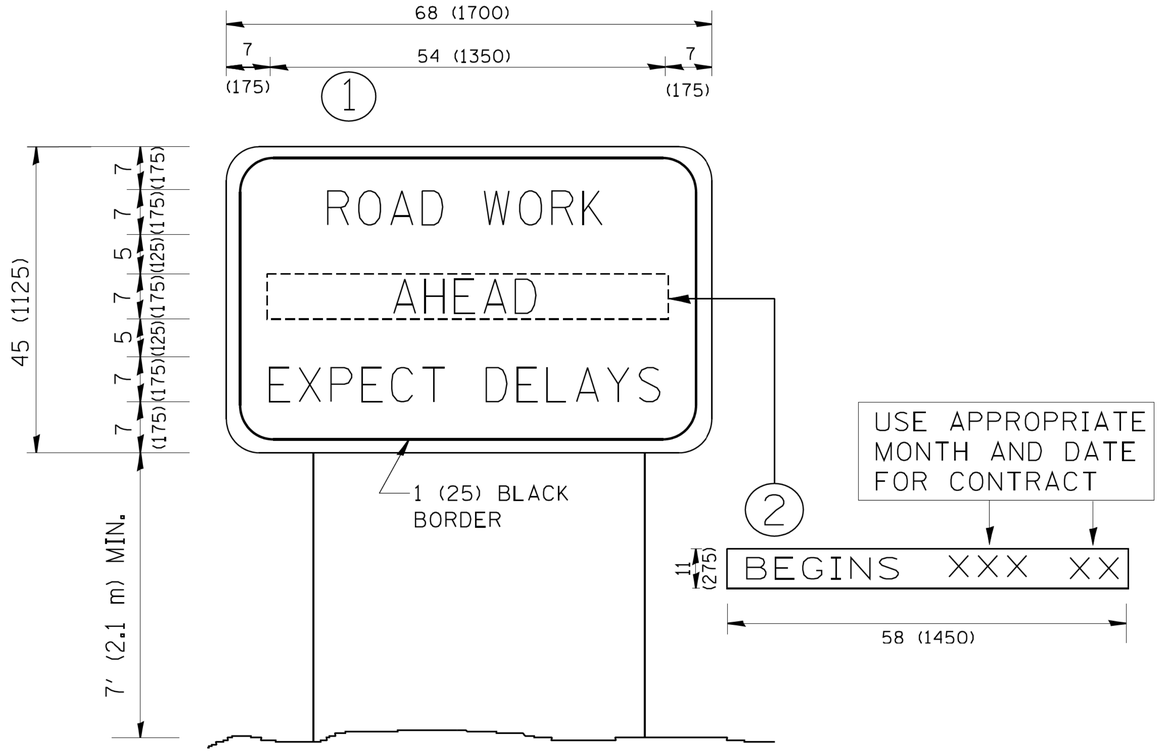
DETOUR WEST 30
DETOUR EAST 30
300'
MINOR STREET
MAJOR STREET
DETOUR
DETOUR EAST 30
DETOUR WEST 30
DETOUR AHEAD
W20-2-4848
MINOR STREET
MAJOR STREET
DETOUR
DETOUR WEST 30
DETOUR EA



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

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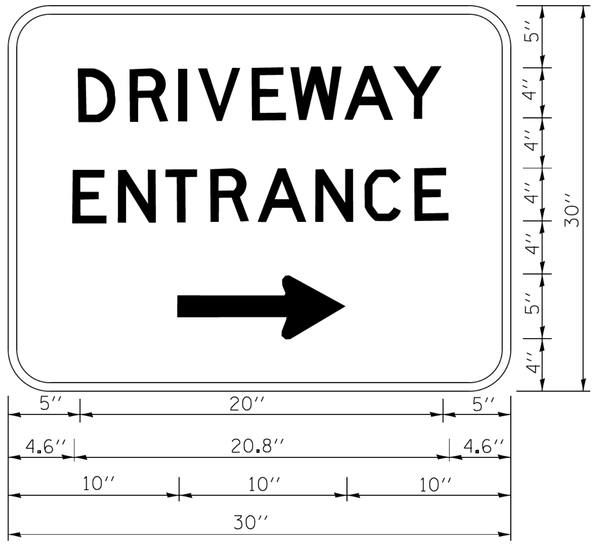
	TC-22	CONTRACT NO. 61F94		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	COWU(521)	



3.0'' RADIUS, 0.5'' BORDER, WHITE ON GREEN; REFLECTORIZED
''DRIVEWAY'' D; ''ENTRANCE'' D; STANDARD ARROW CUSTOM 12.0'' x 5.0''

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM ''TEMPORARY INFORMATION SIGNING''.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

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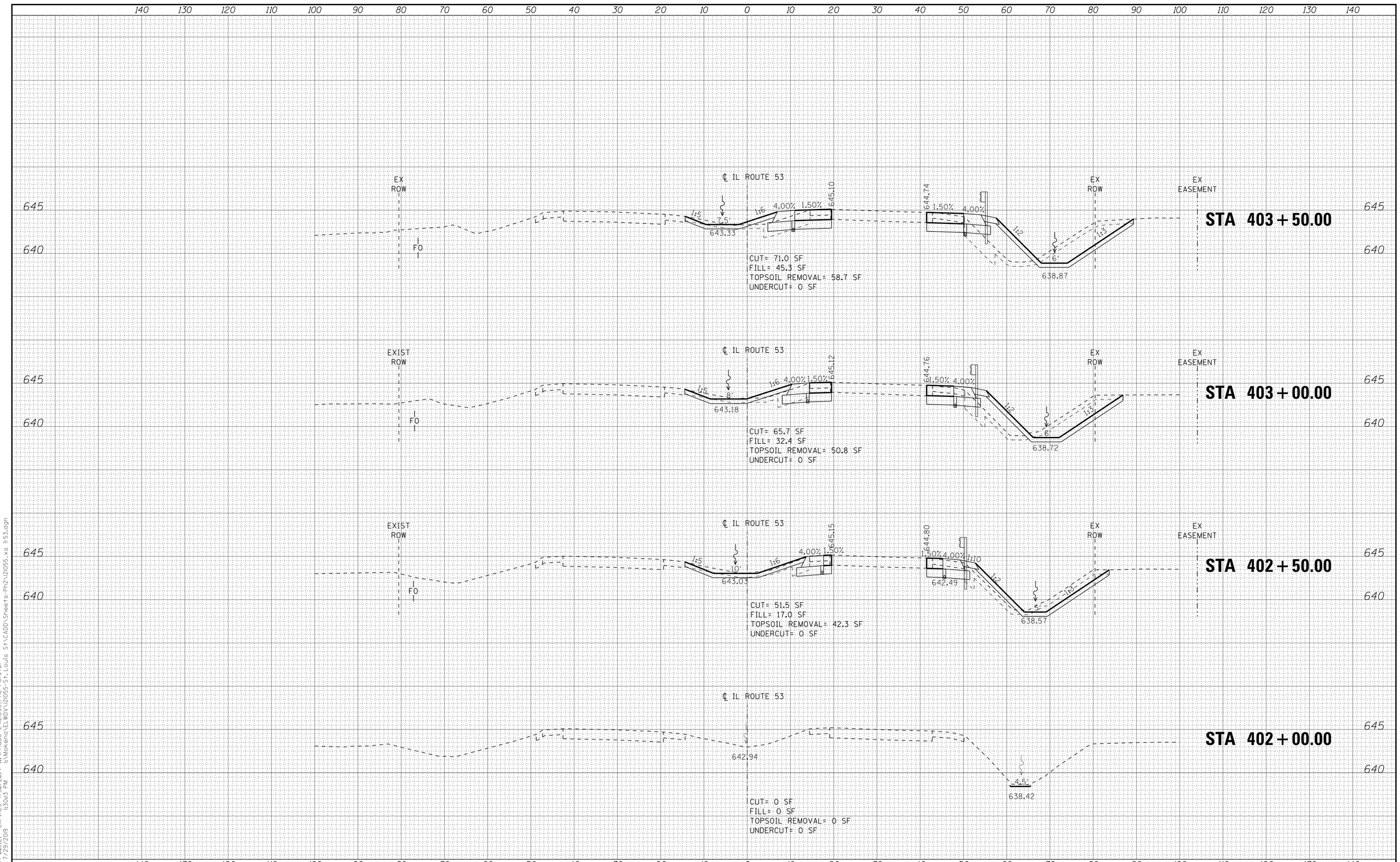

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BAXTER & WOODMAN Consulting Engineers

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DRAWN	- CJC	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs Il 53.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 402+00.00 TO STA. 403+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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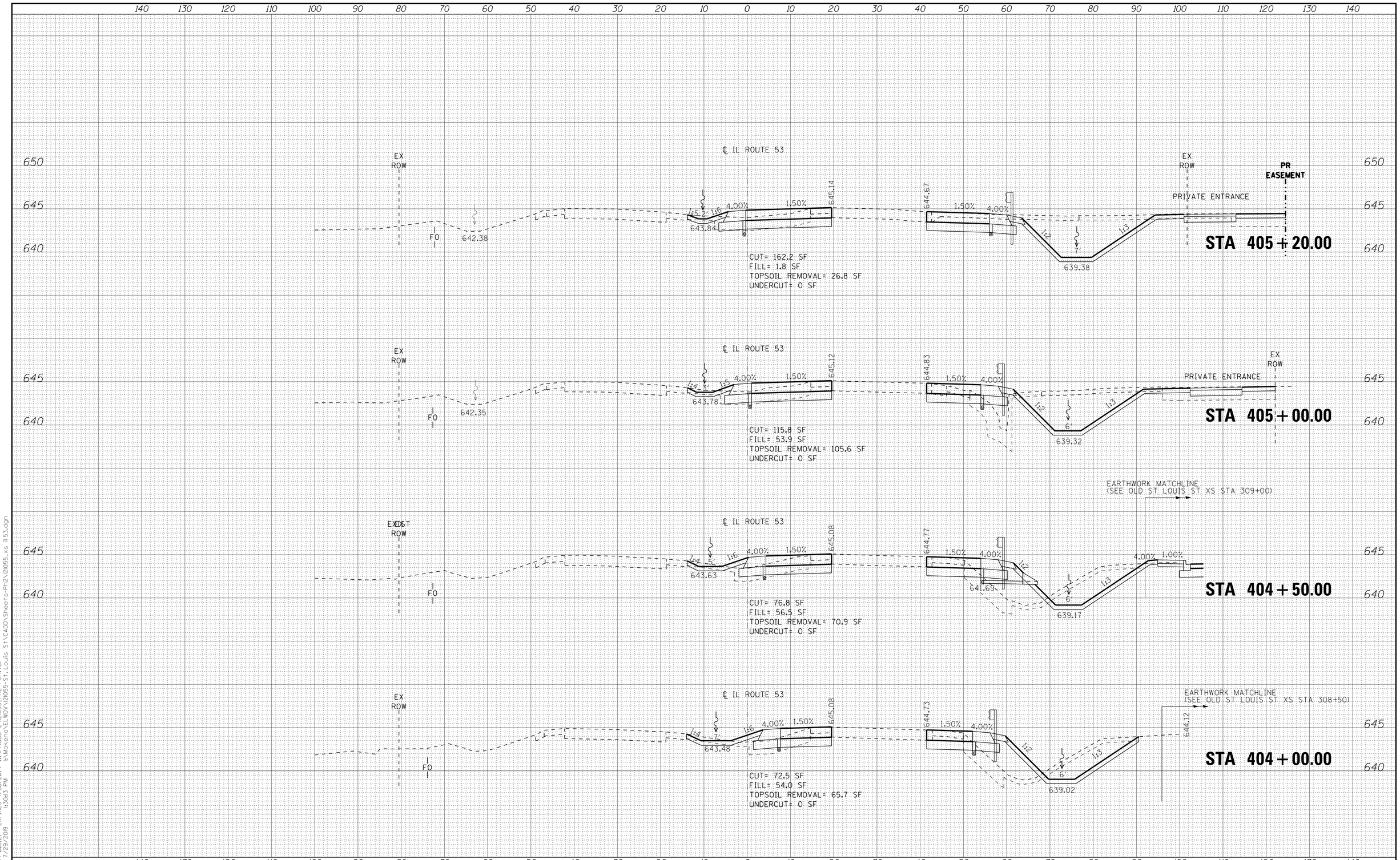
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWI(521)		



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BAXTER & WOODMAN Consulting Engineers

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DRAWN	- CJC	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs il 53.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 404+00.00 TO STA. 405+20.00

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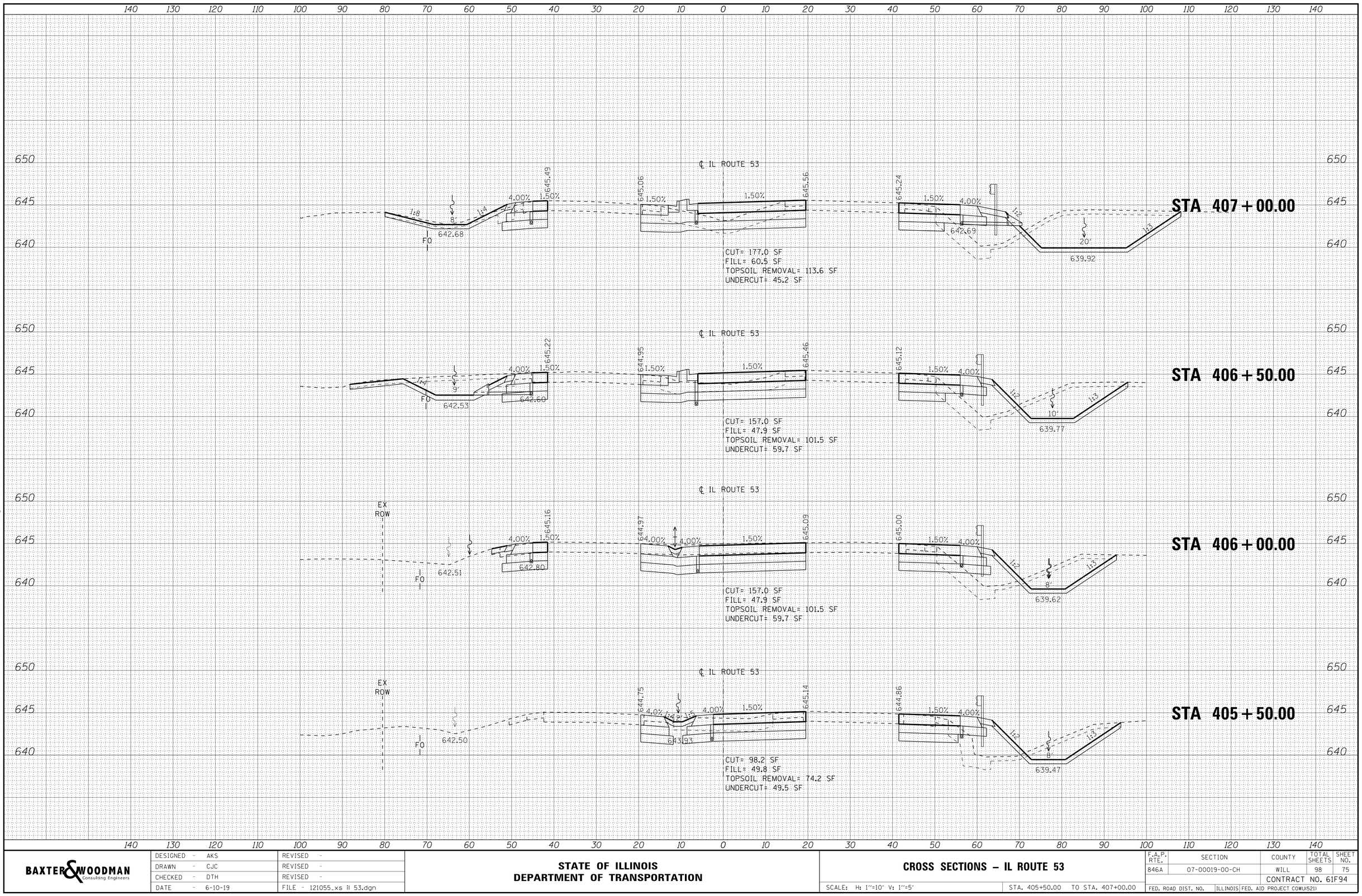

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 405+50.00 TO STA. 407+00.00

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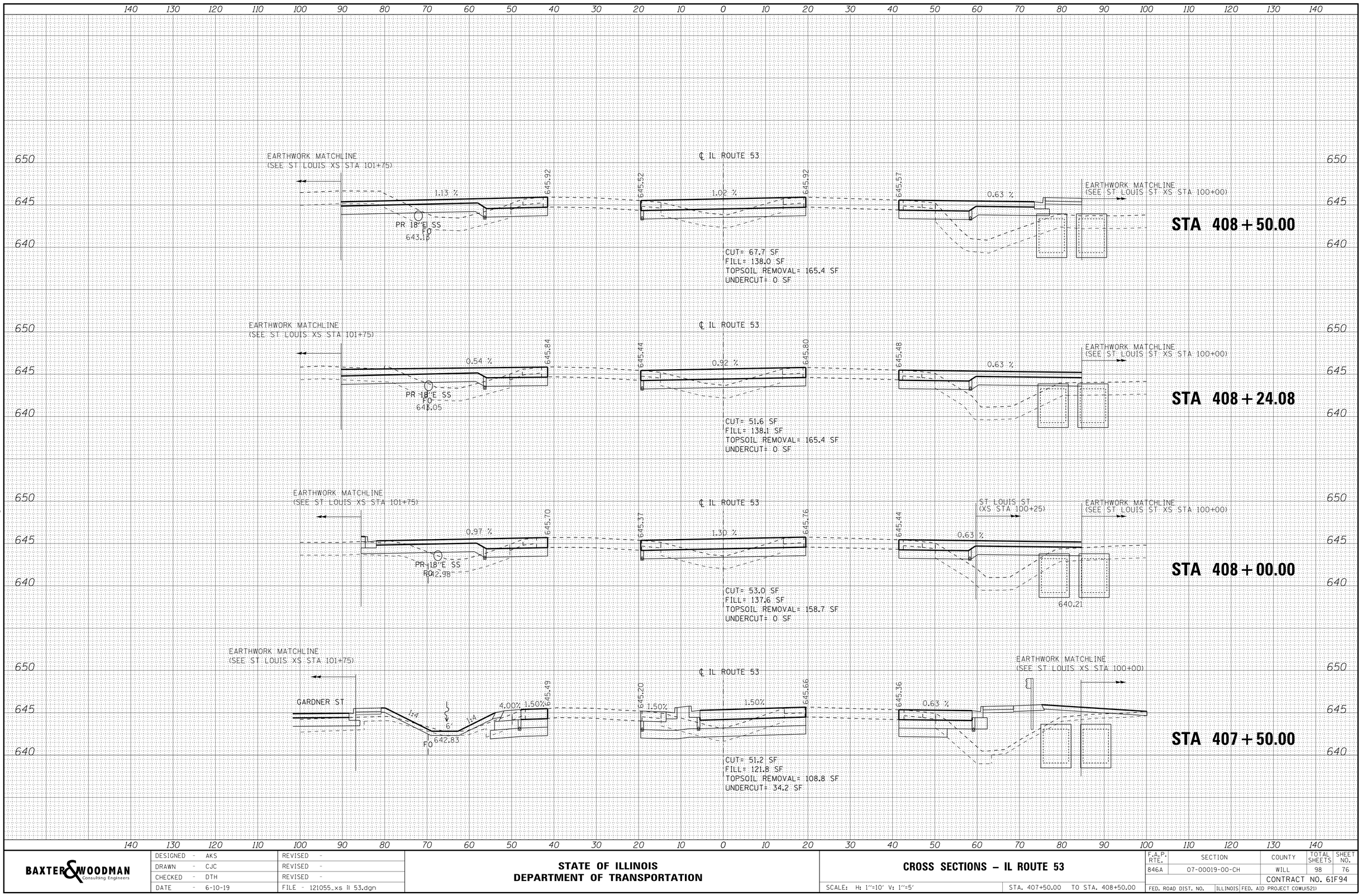
846A	07-00019-00-CH	WILL	98	75
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWI(521)		



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DATE	- 6-10-19	FILE	- 121055_xs il 53.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

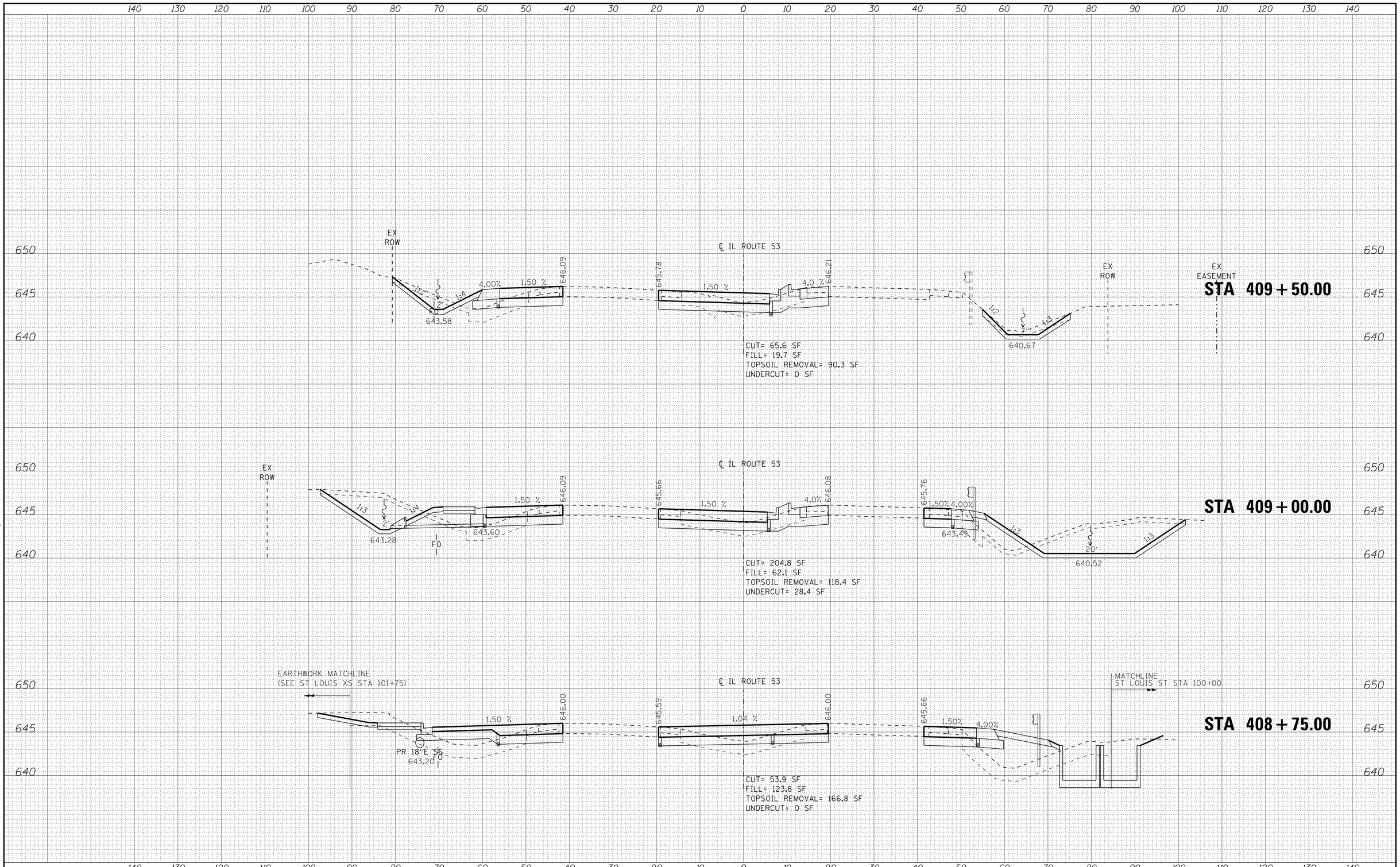
CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' STA. 407+50.00 TO STA. 408+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	76

CONTRACT NO. 61F94

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT COWU(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

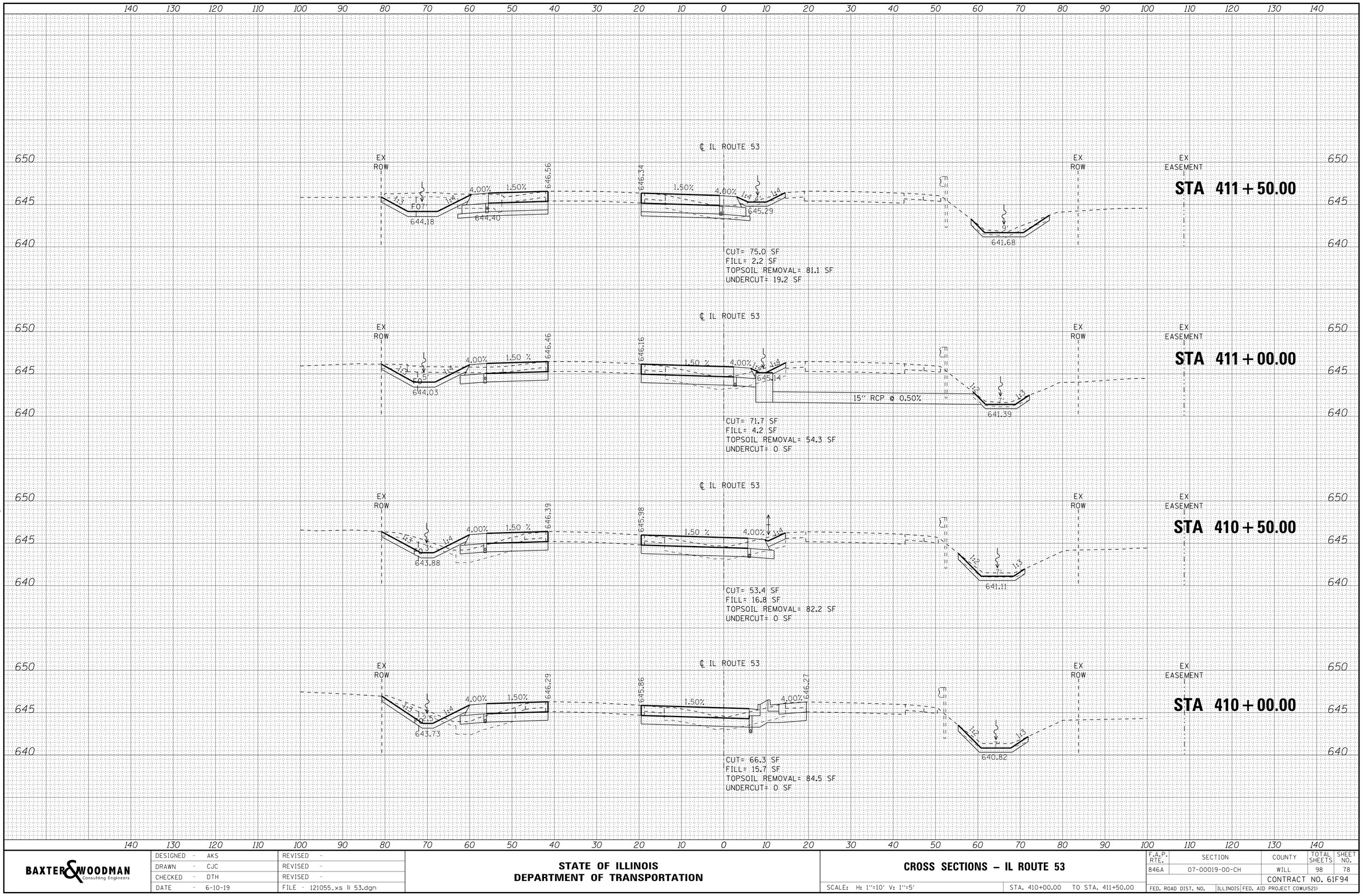
CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 408+75.00 TO STA. 409+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	77

CONTRACT NO. 61F94

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT COWU(521)



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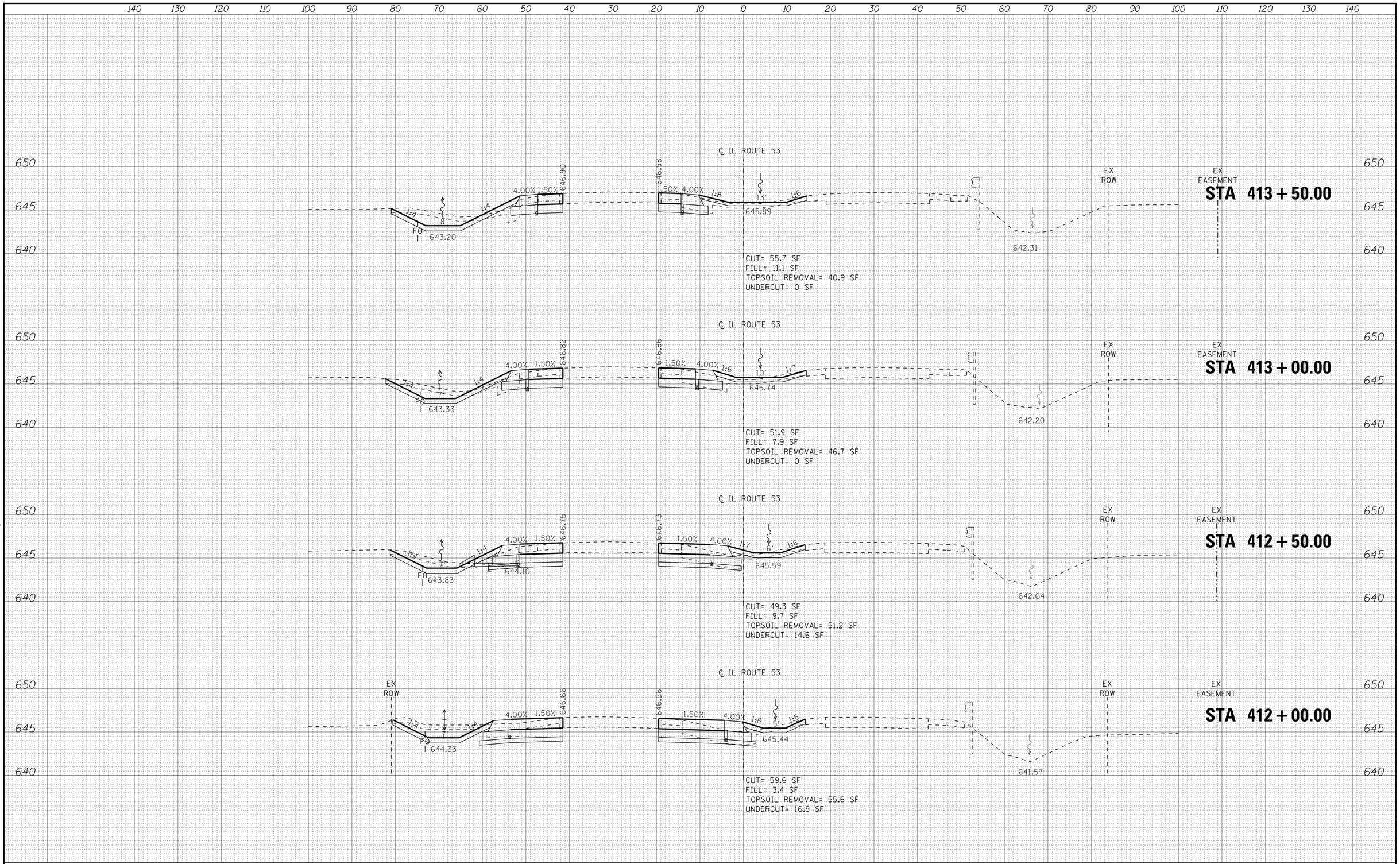
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 410+00.00 TO STA. 411+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	78
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWI(521)		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

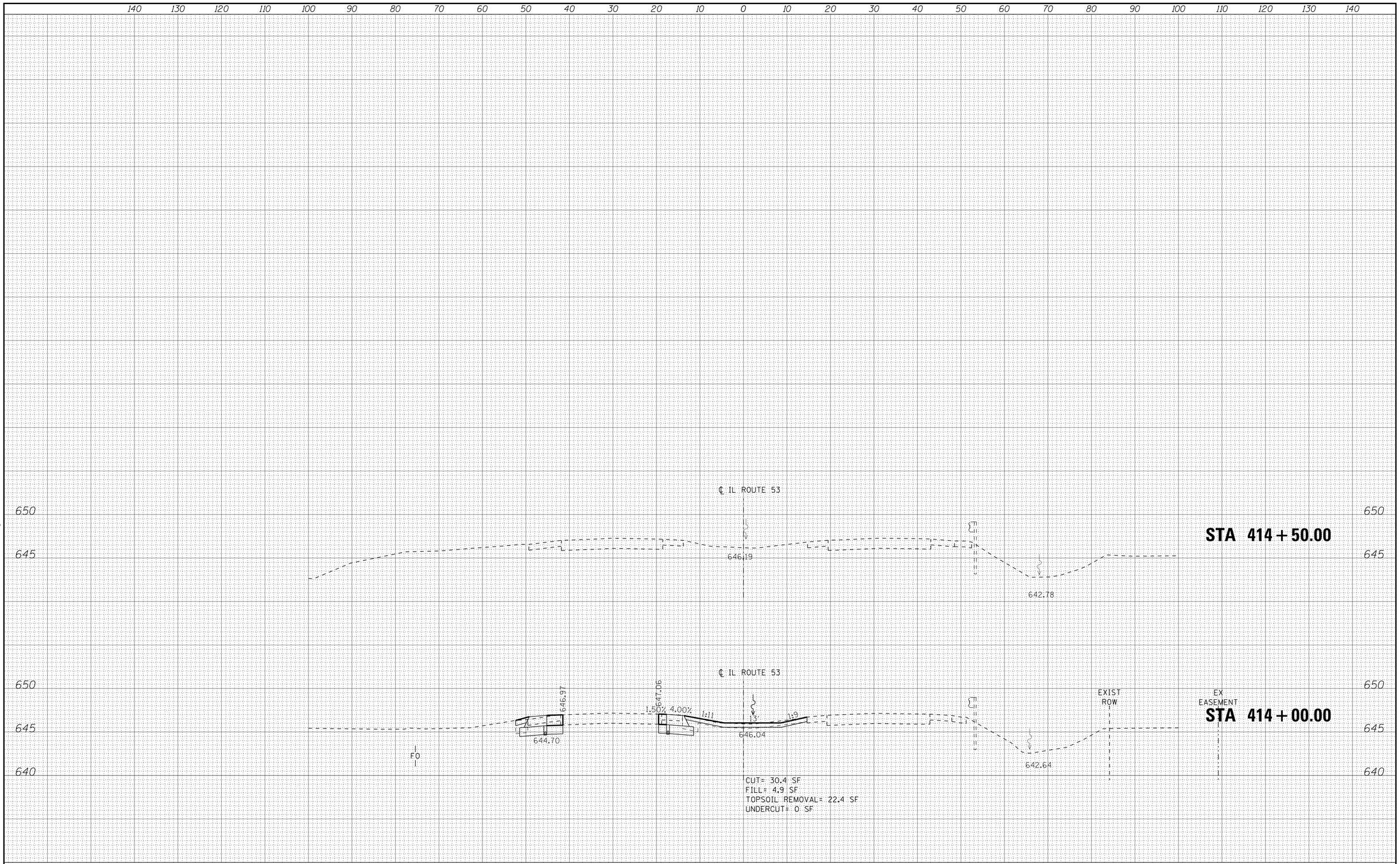
CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' STA. 412+00.00 TO STA. 413+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	79

CONTRACT NO. 61F94

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT COWU(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

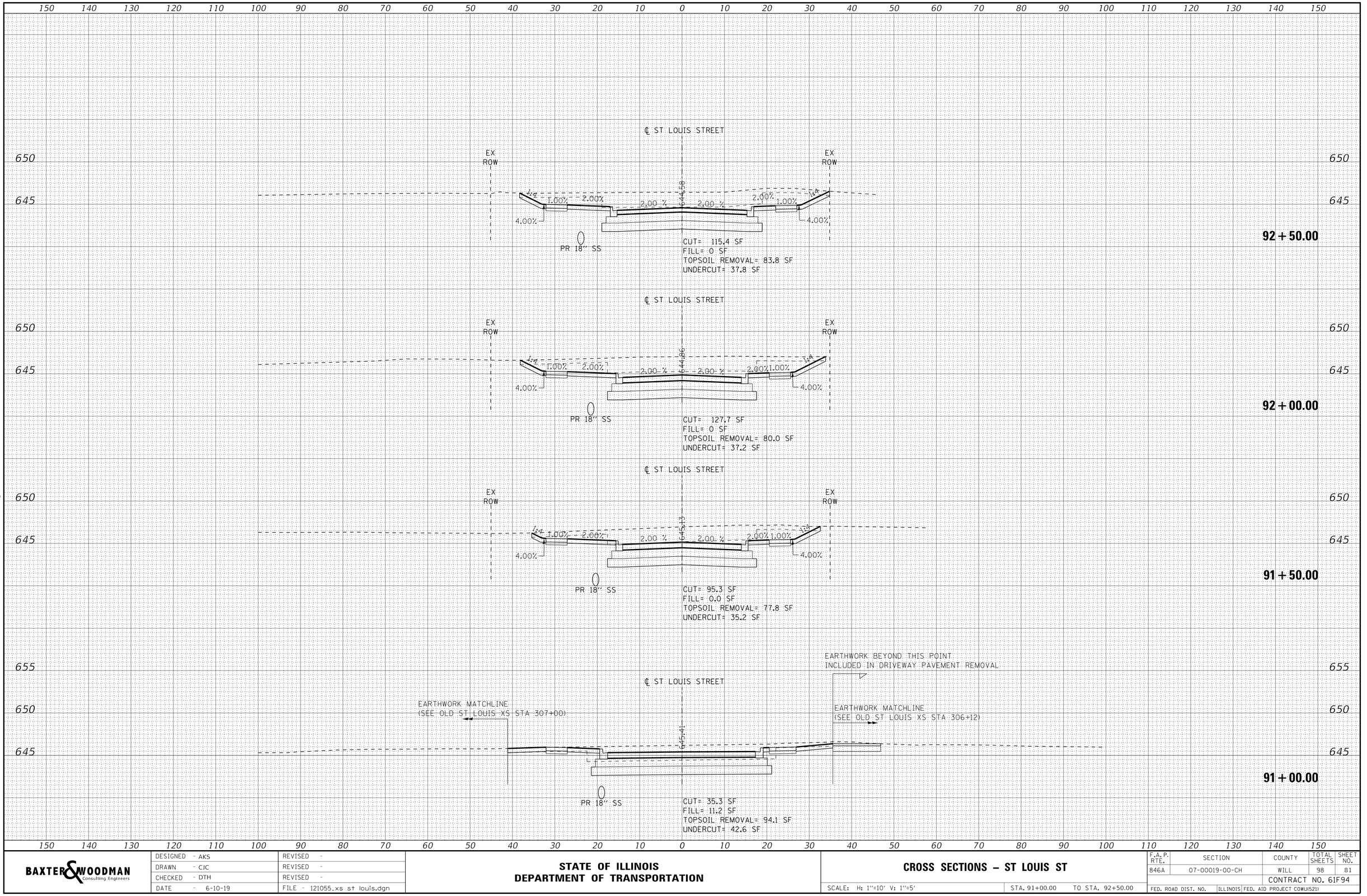
CROSS SECTIONS – IL ROUTE 53

SCALE: H: 1"=10' V: 1"=5' | STA. 414+00.00 TO STA. 414+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	80

CONTRACT NO. 61F94

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT COWU(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

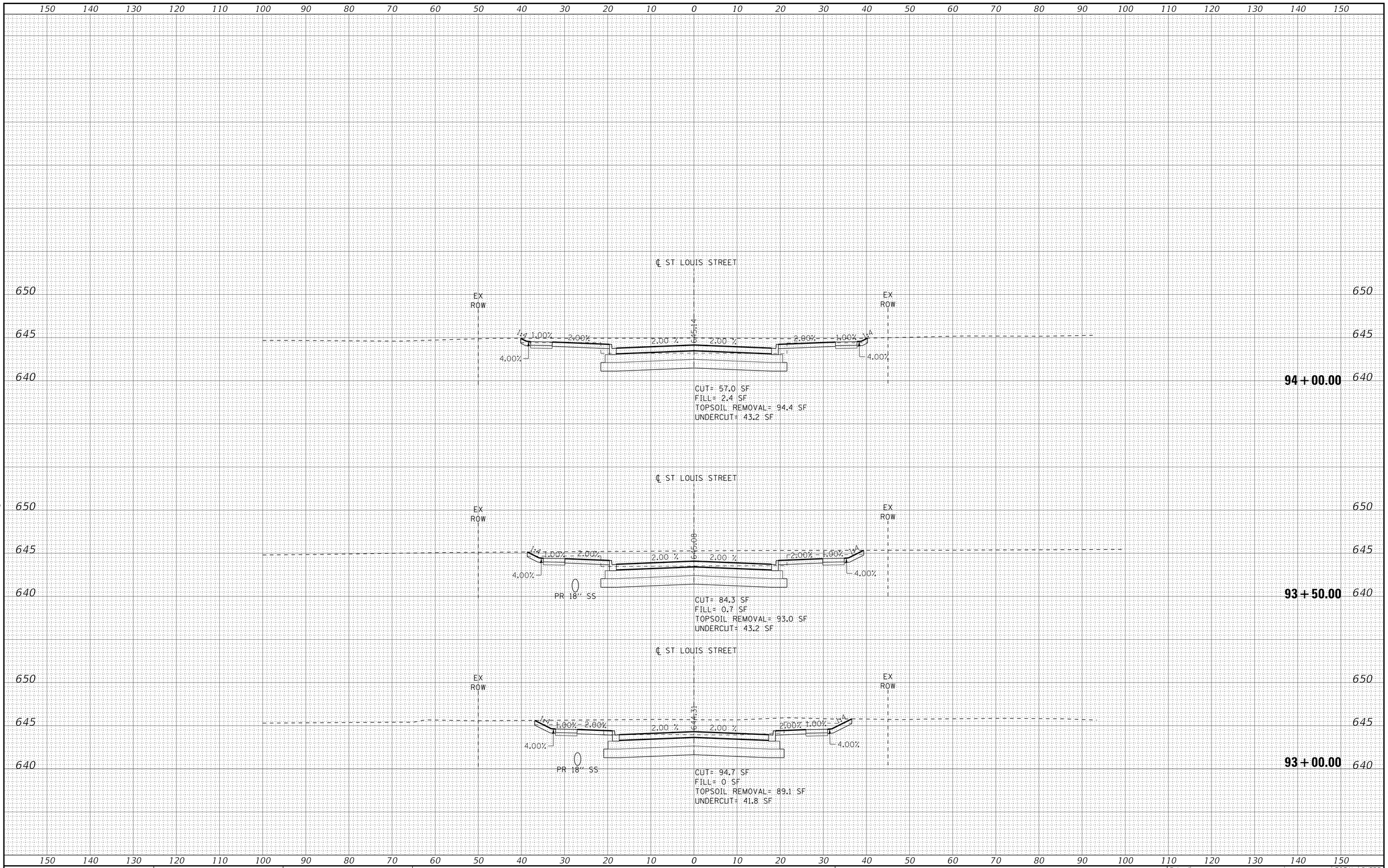
CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 91+00.00 TO STA. 92+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	81

CONTRACT NO. 61F94

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT COWU(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 93+00.00 | TO STA. 94+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	82
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 94+50.00 | TO STA. 95+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	83
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		

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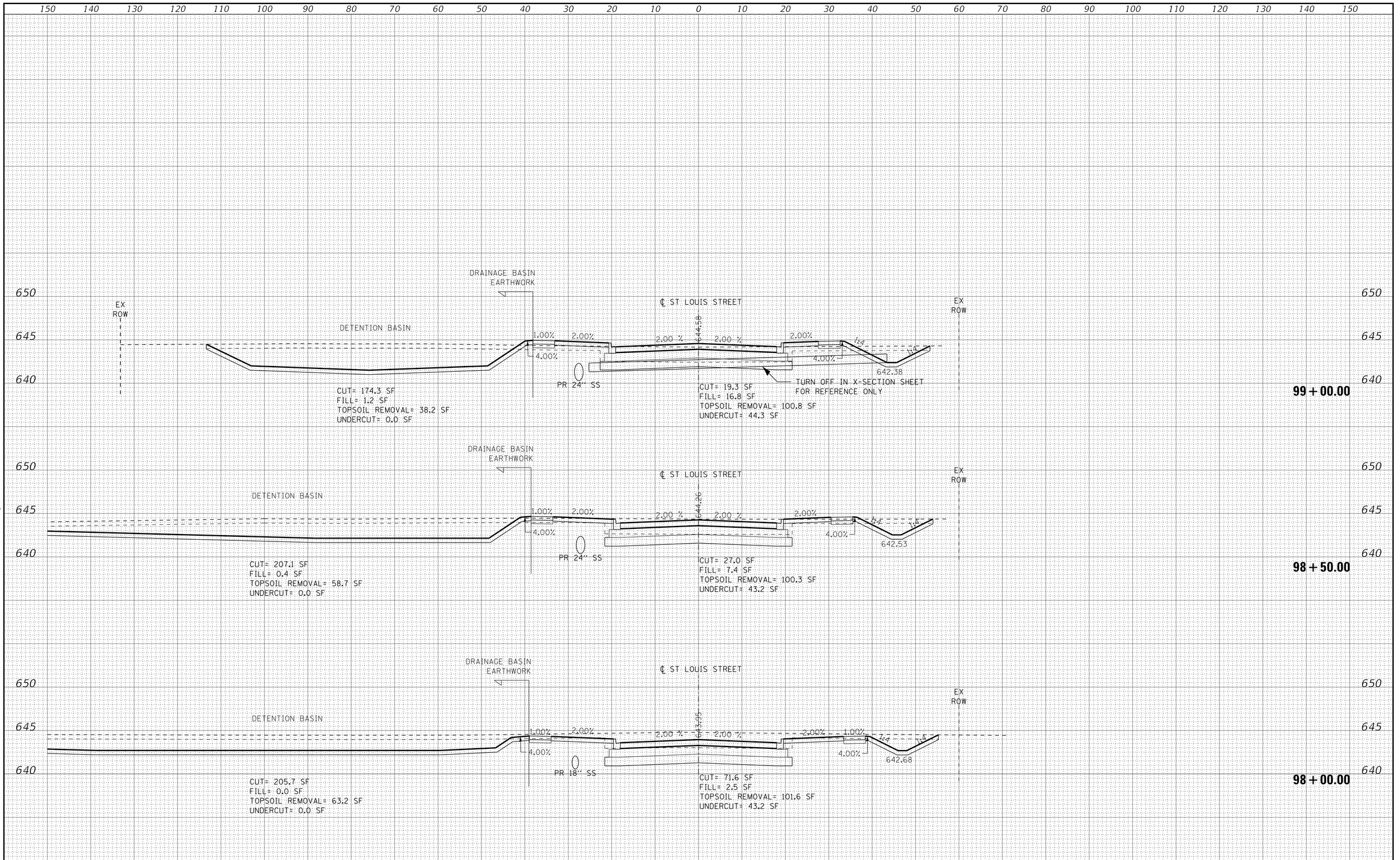
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 96+00.00 | TO STA. 97+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	84
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

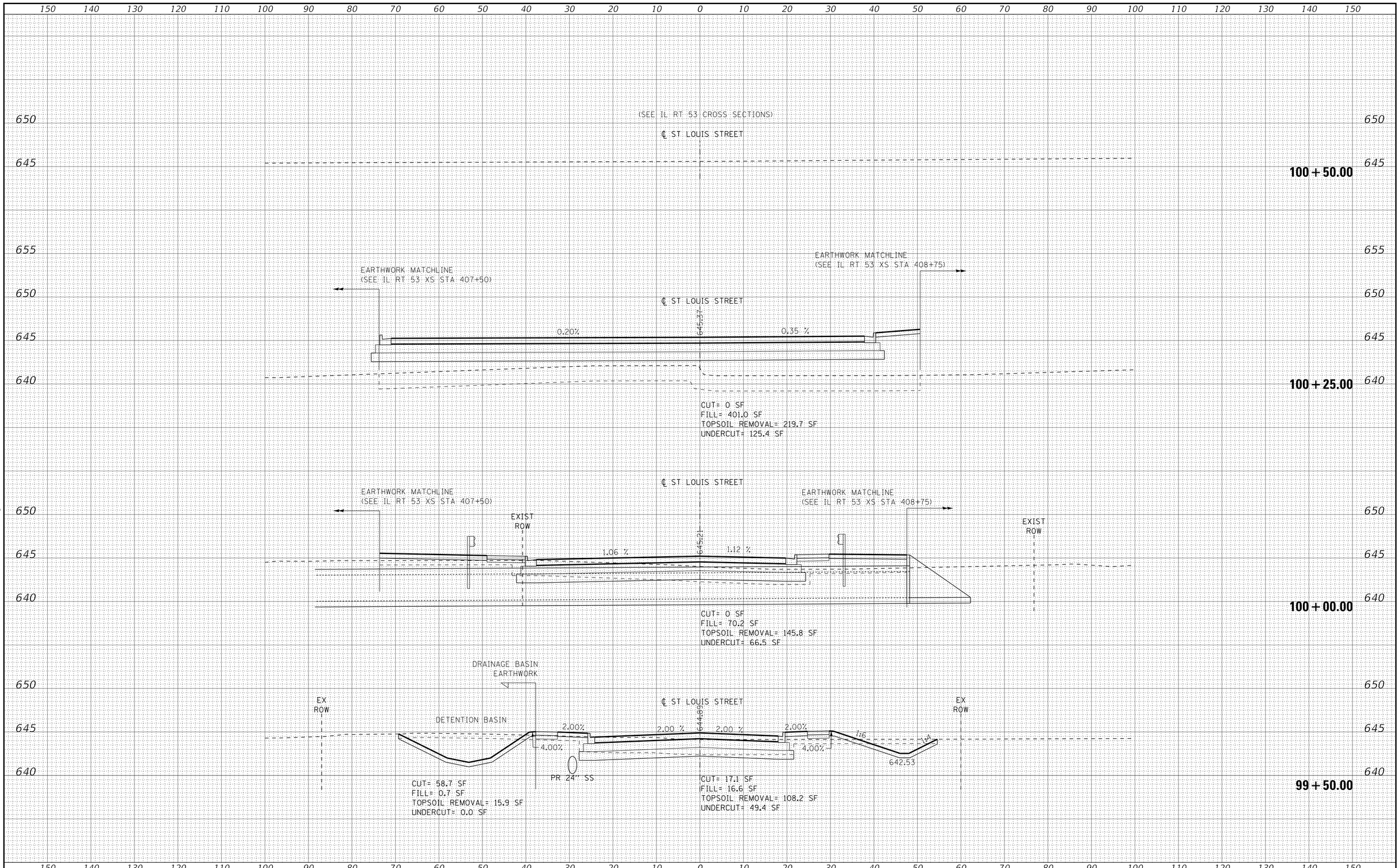
CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' STA. 98+00.00 TO STA. 99+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	85

CONTRACT NO. 61F94

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT COWU(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

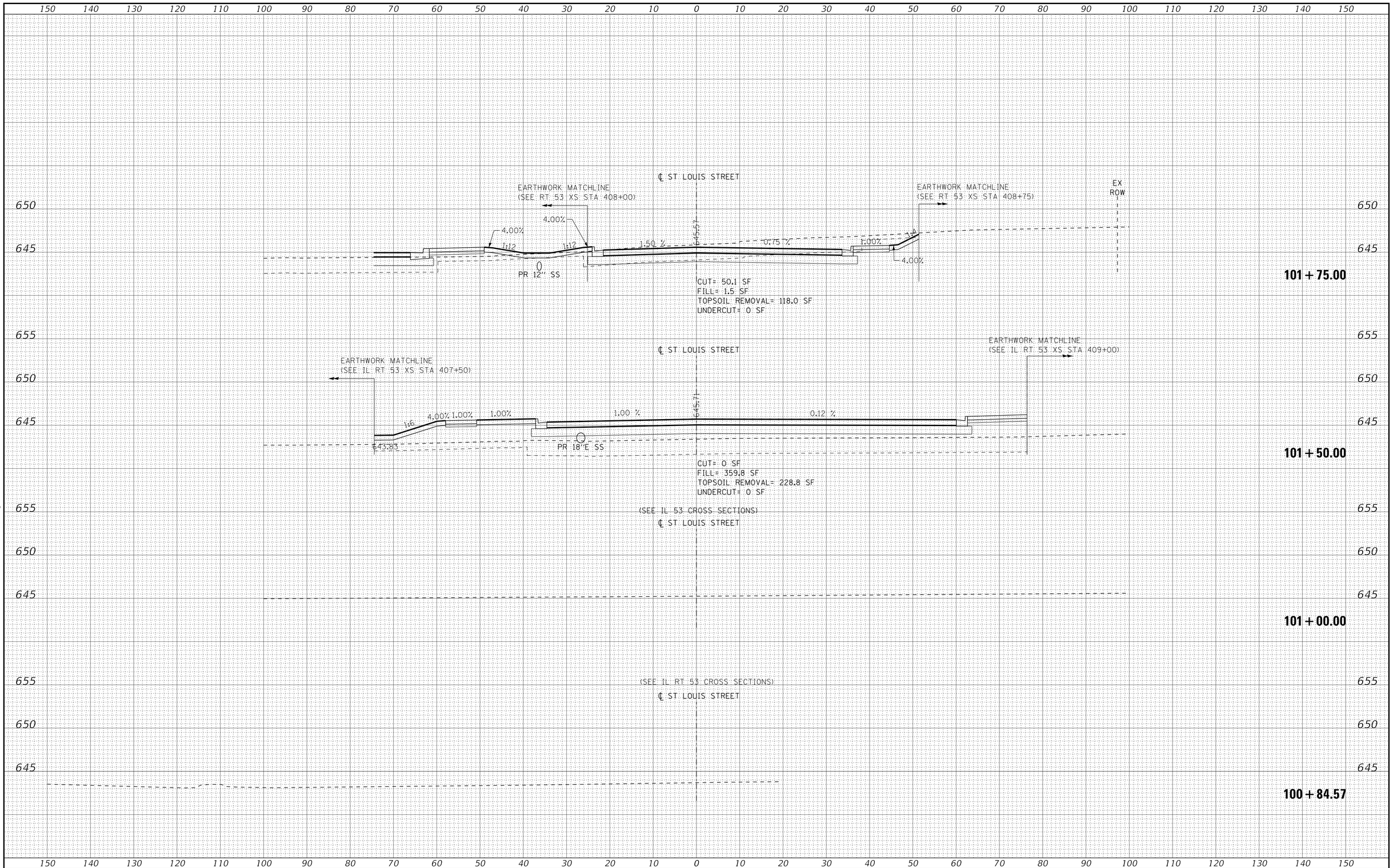
CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' STA. 99+50.00 TO STA. 100+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	86

CONTRACT NO. 61F94

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT COWU(521)



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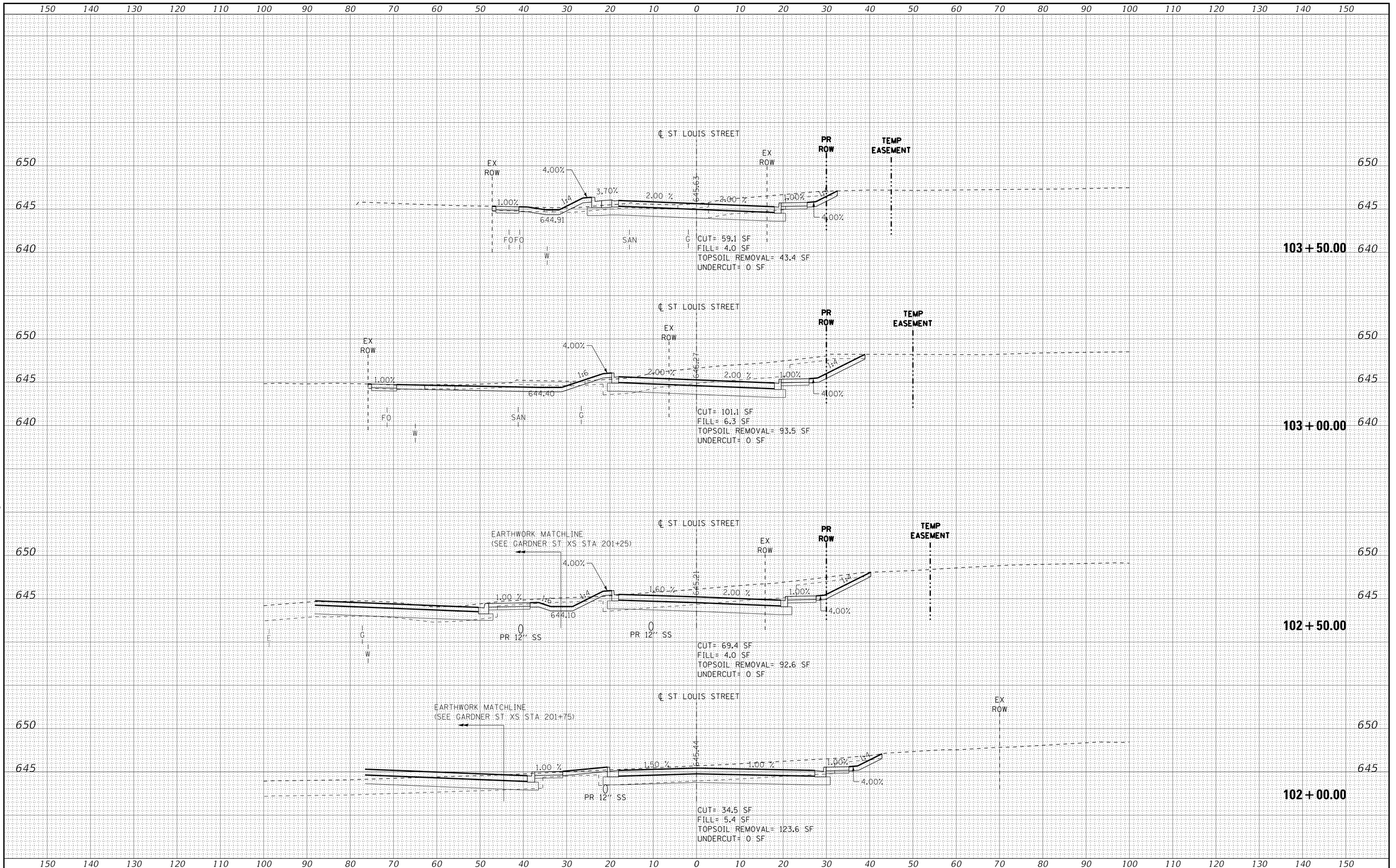
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 100+84.57 TO STA. 101+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	87
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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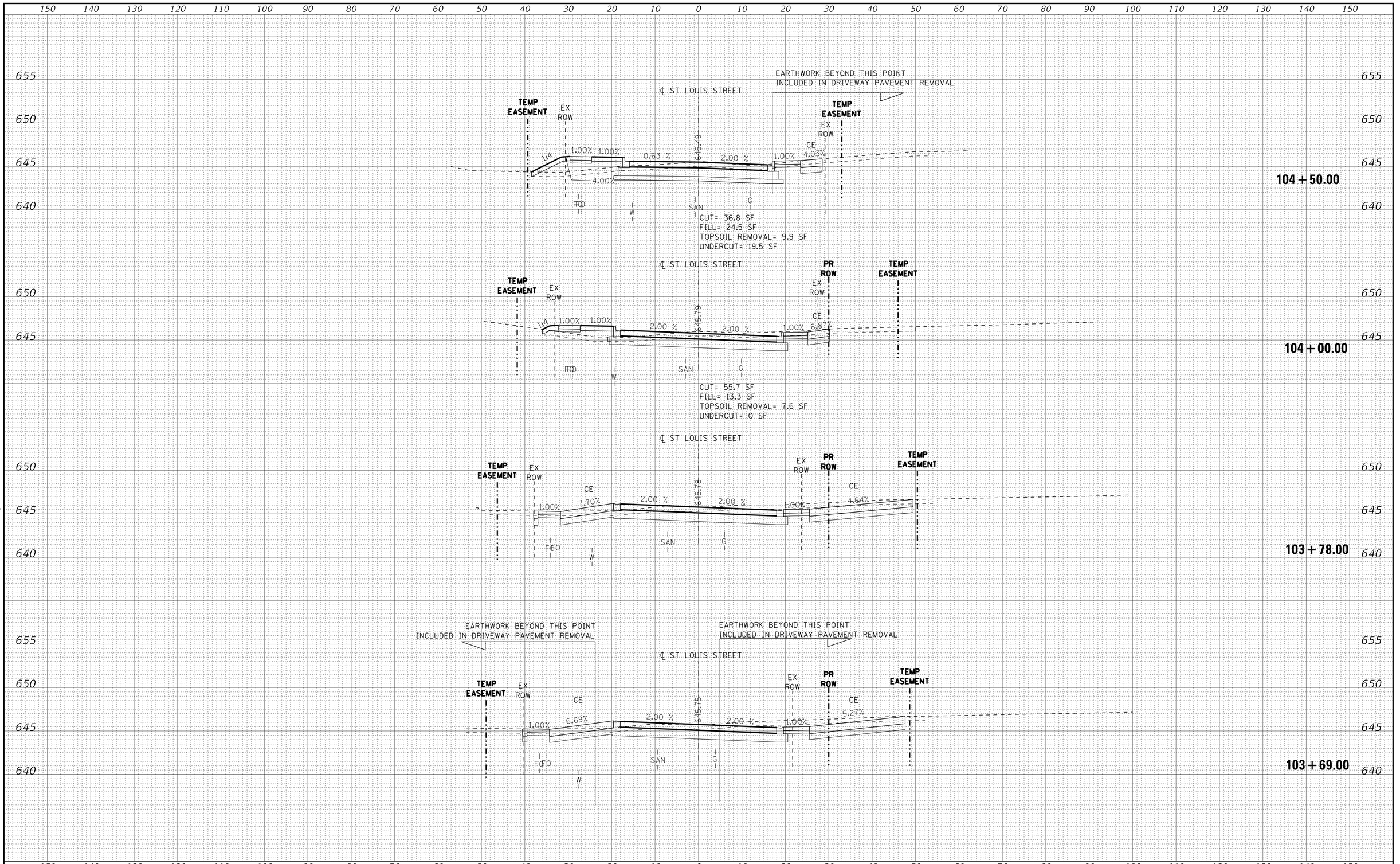
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 102+00.00 TO STA. 103+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	88
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

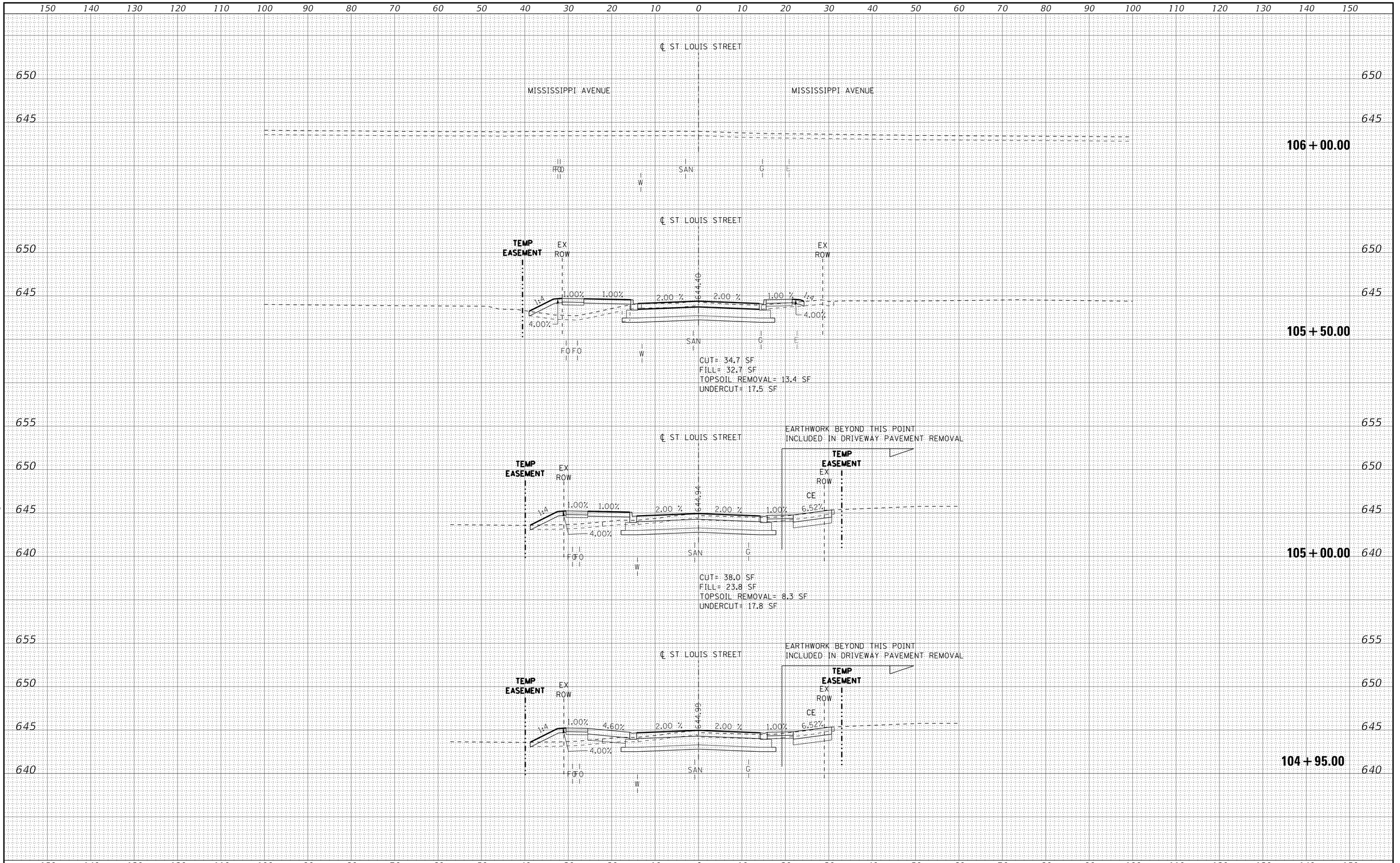
CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 103+69.00 TO STA. 104+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	89

CONTRACT NO. 61F94

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT COWI(521)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

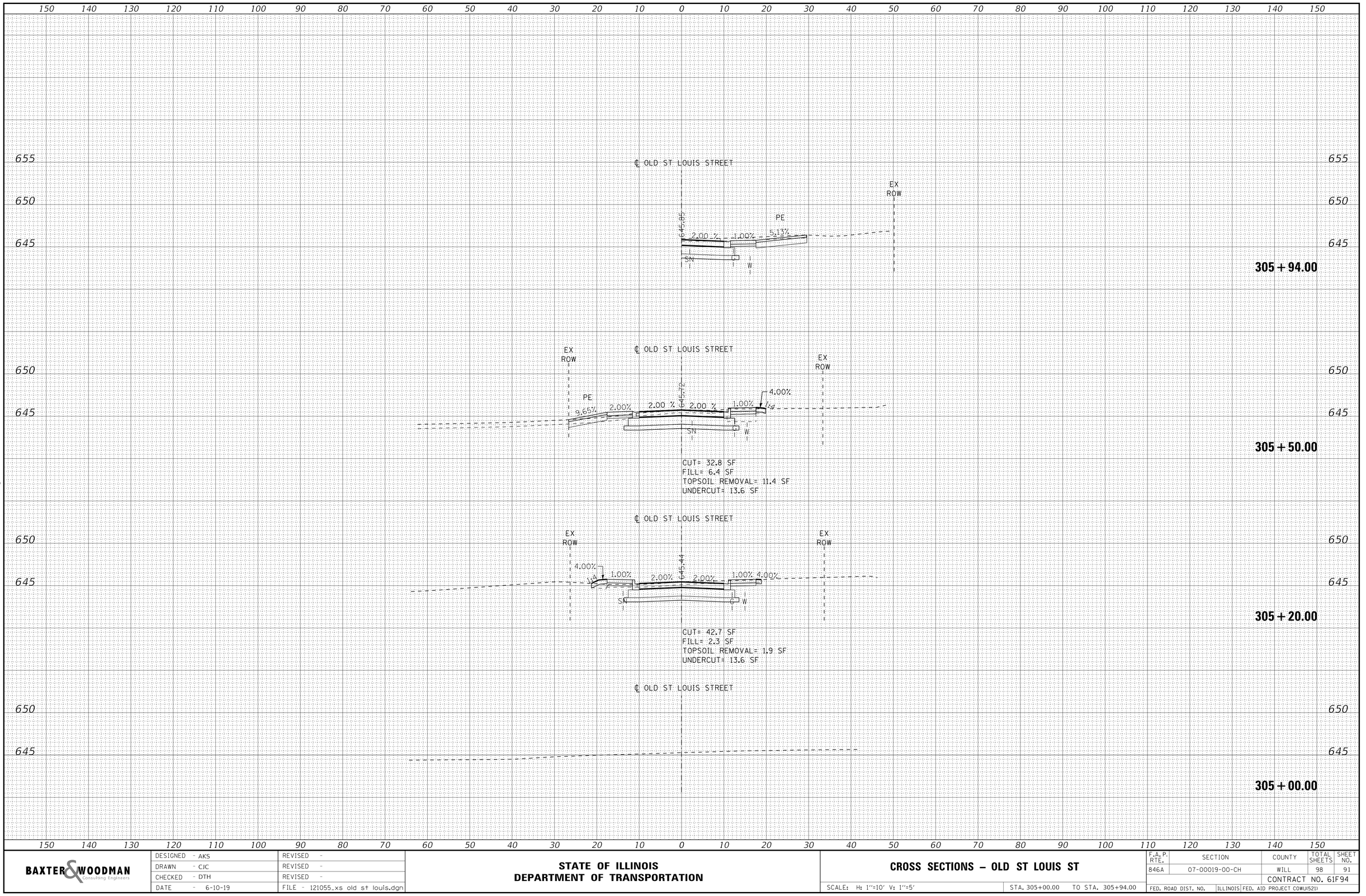
CROSS SECTIONS – ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 104+50.00 TO STA. 105+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	90

CONTRACT NO. 61F94

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT COWI(521)



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CHECKED	- DTH	REVISED	-
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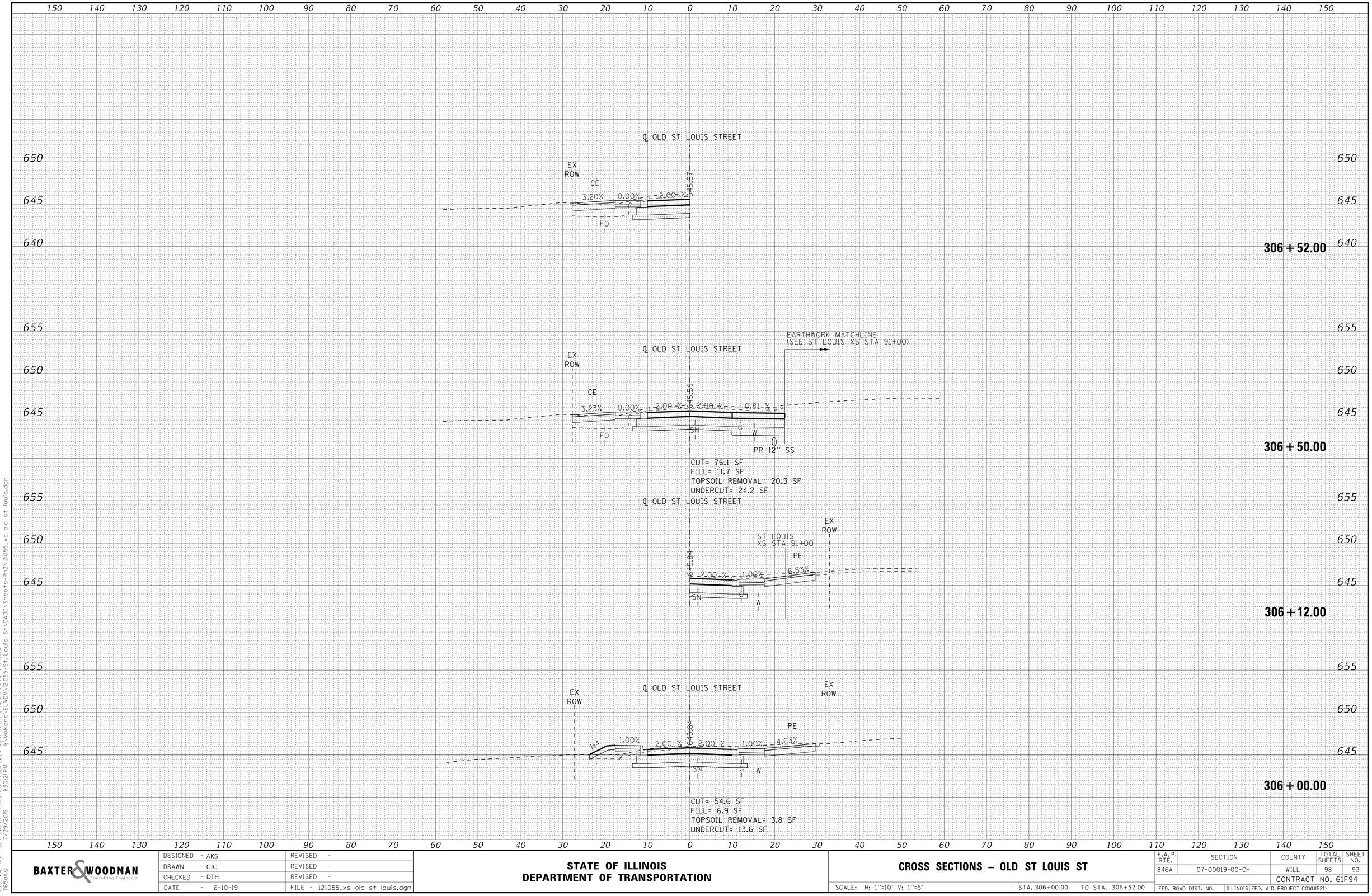
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 305+00.00 TO STA. 305+94.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	91
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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BAXTER & WOODMAN Consulting Engineers

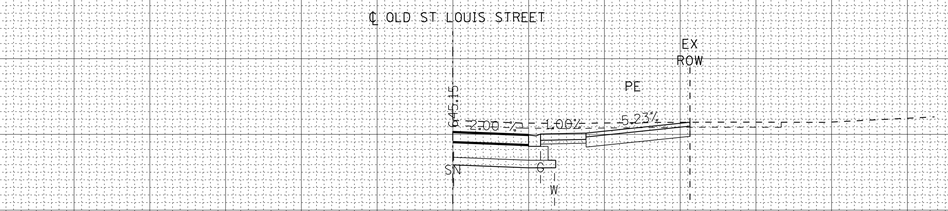
DESIGNED	- AKS	REVISED	-
DRAWN	- CJC	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs old st louis.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

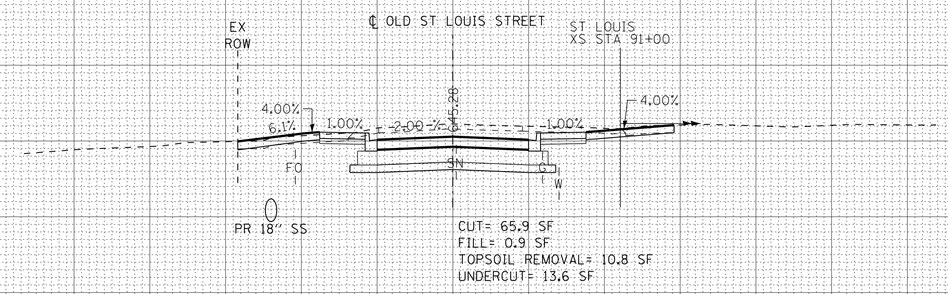
CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 306+00.00 TO STA. 306+52.00

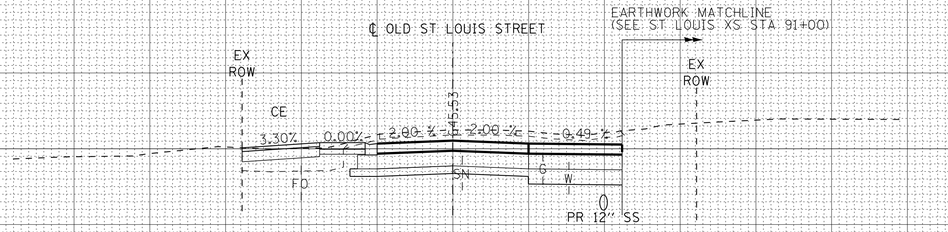
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	92
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



307 + 21.68



307 + 00.00



306 + 58.73

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BAXTER & WOODMAN Consulting Engineers

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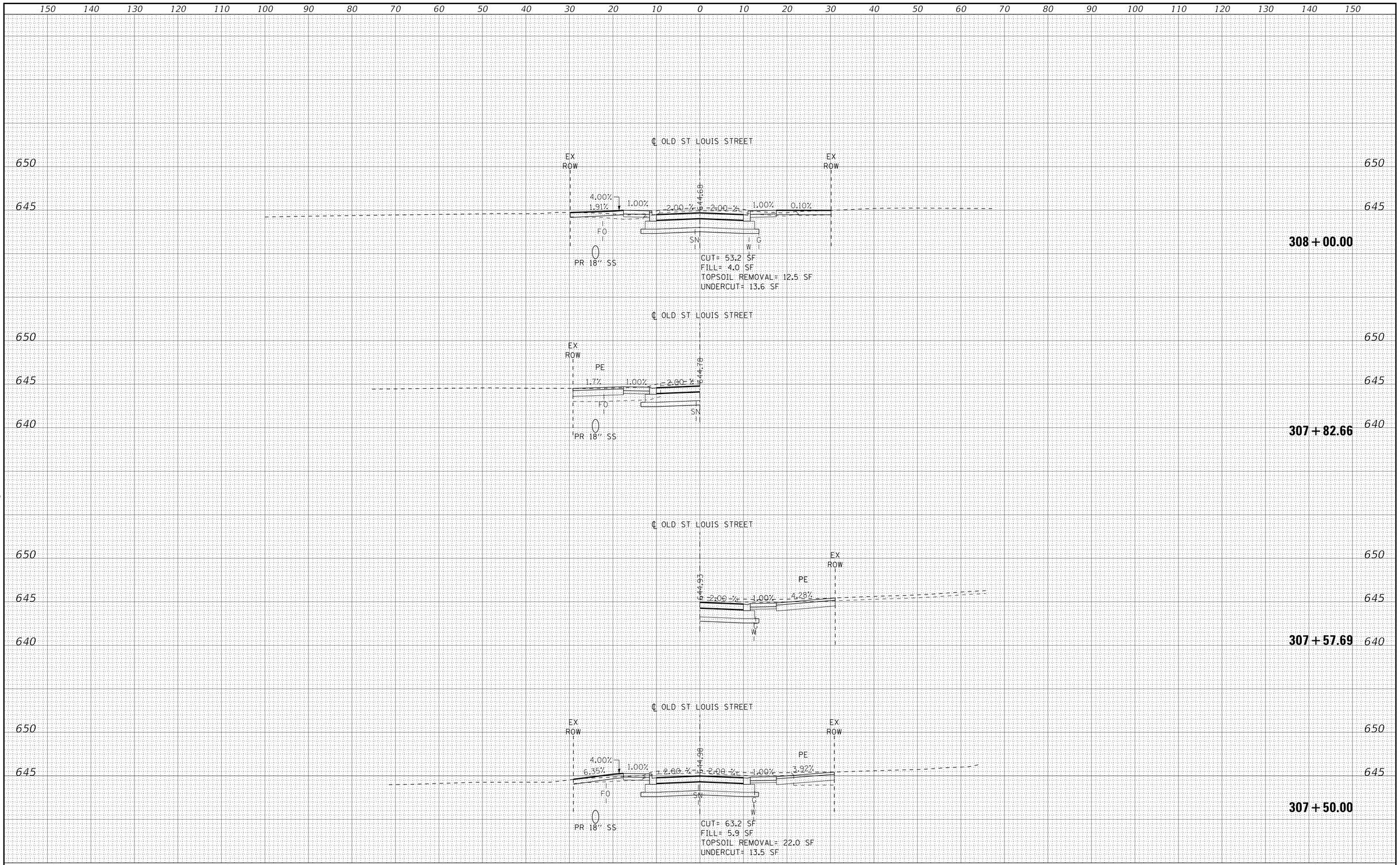
DRAWN	- CJC	REVISED	-
CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs old st louis.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 306+58.73 | TO STA. 307+21.68

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	93
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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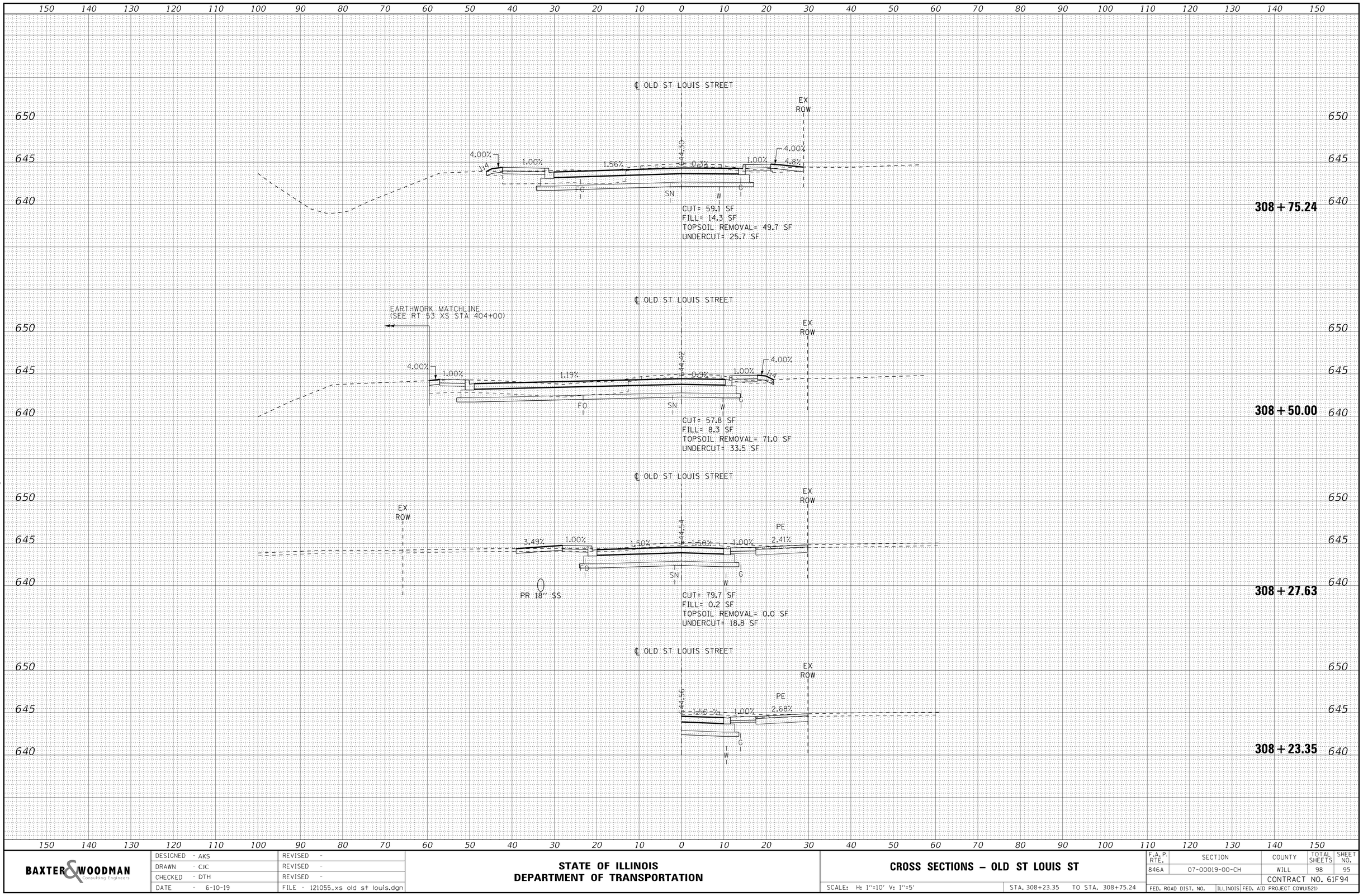
CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs old st louis.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 307+50.00 TO STA. 308+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	94
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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DATE	- 6-10-19	FILE	- 121055_xs old st louis.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 308+23.35 | TO STA. 308+75.24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	95
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWI(521)		

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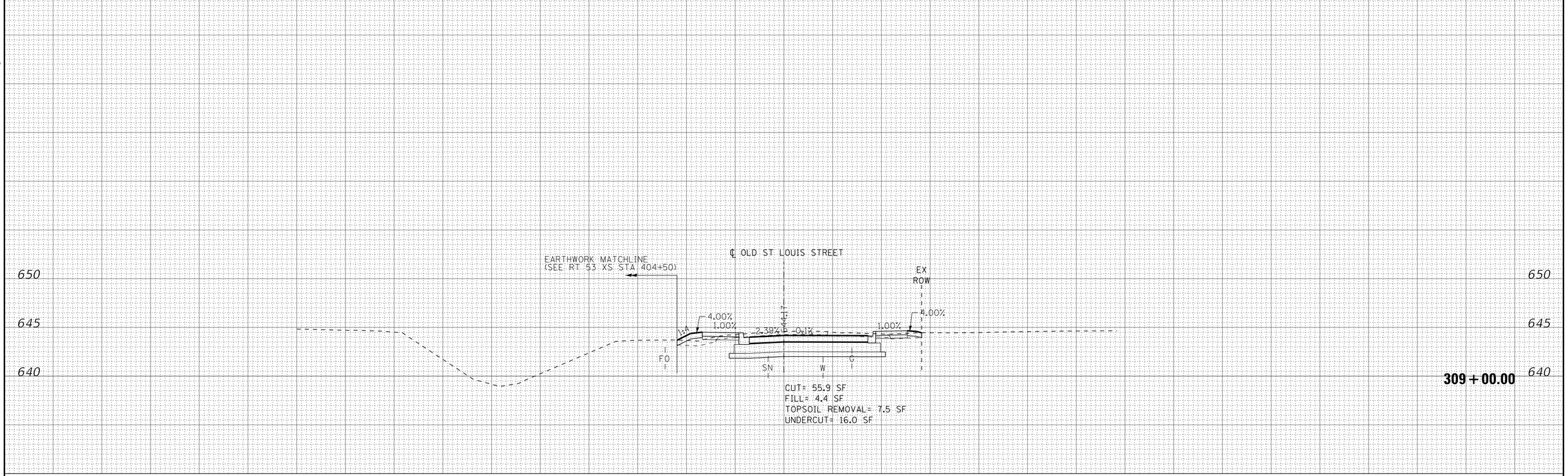

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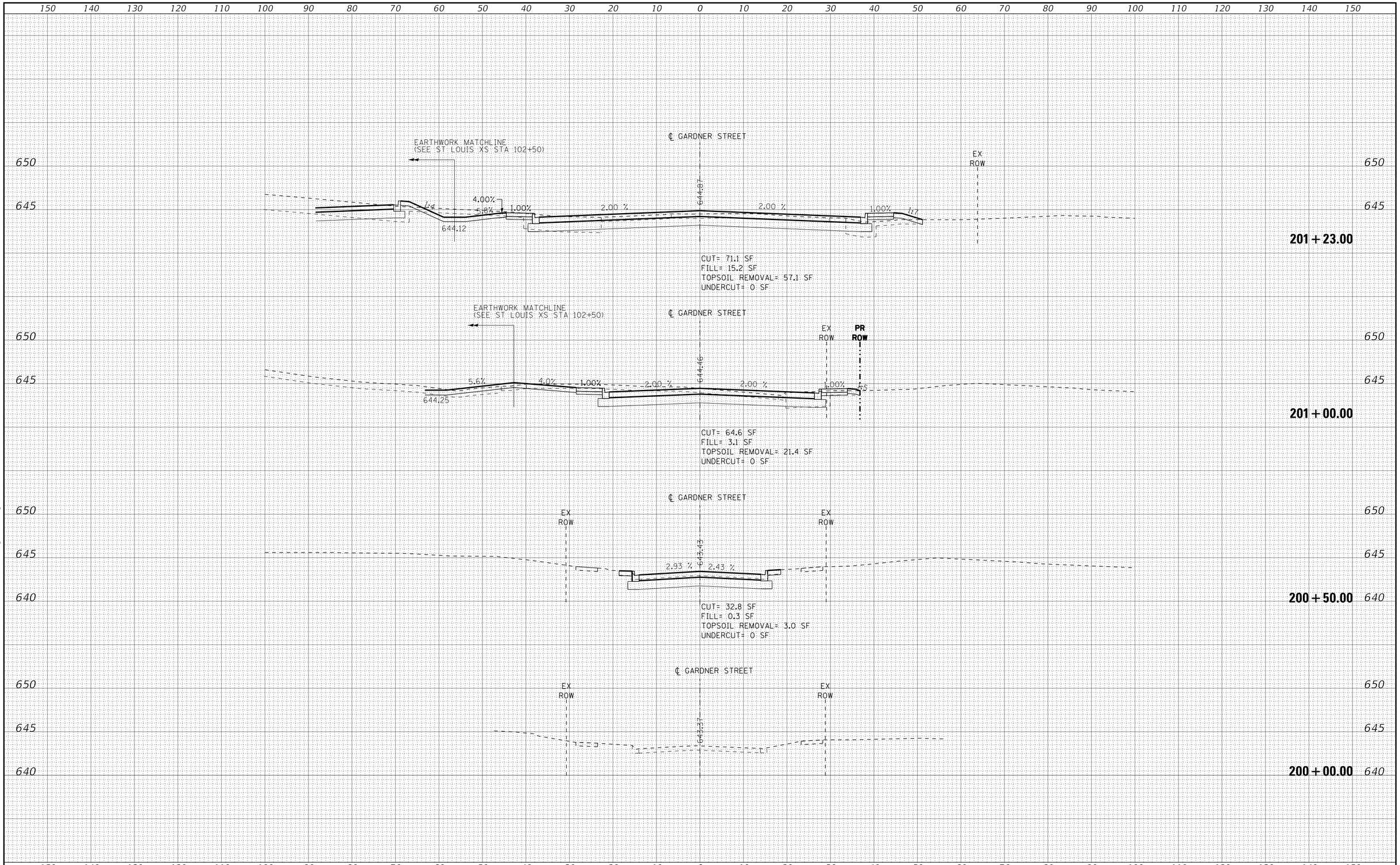
DATE	- 6-10-19	FILE	- 121055_xs old st louis.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – OLD ST LOUIS ST

SCALE: H: 1"=10' V: 1"=5' | STA. 309+00.00 | TO STA. 309+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	96
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		



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CHECKED	- DTH	REVISED	-
DATE	- 6-10-19	FILE	- 121055_xs gardner.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – GARDNER ST

SCALE: H: 1"=10' V: 1"=5' | STA. 200+00.00 | TO STA. 201+23.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	97
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWI(521)		

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

EARTHWORK MATCHLINE
(SEE ST LOUIS XS STA 102+00)

℄ GARDNER STREET

650

645

7.0%

1.00%

2.00 %

645.14

2.00 %

1.00%

1:4

201 + 73.81

CUT= 3.4 SF
FILL= 59.6 SF
TOPSOIL REMOVAL= 160.7 SF
UNDERCUT= 0 SF

EARTHWORK MATCHLINE
(SEE ST LOUIS XS STA 102+00)

℄ GARDNER STREET

650

645

4.00%

1:6

1.00%

2.00 %

645.11

2.00 %

1.00%

5.1%

201 + 48.81

CUT= 34.3 SF
FILL= 45.2 SF
TOPSOIL REMOVAL= 131.2 SF
UNDERCUT= 0 SF

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – GARDNER ST

SCALE: H: 1"=10' V: 1"=5' STA. 201+48.81 TO STA. 201+73.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846A	07-00019-00-CH	WILL	98	98
		CONTRACT NO. 61F94		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT COWU(521)		