

04-25-2025 LETTING ITEM 194

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA
PROSPECT STREET
MAJOR COLLECTOR
POSTED SPEED: 25-30 MPH
(20 MPH SCHOOL ZONE)
ADT: 4,250 (2021)

TELEGRAPH STREET (IL ROUTE 176)
OTHER PRINCIPLE ARTERIAL
POSTED SPEED: 45 MPH
ADT: 5,700 (2023)

PROSPECT STREET FROM WASHINGTON STREET TO IL 176
IL 176 FROM PROSPECT STREET TO 600' EAST OF PROSPECT STREET
RECONSTRUCTION

SECTION: 21-00029-00-PV

PROJECT: Y7YU(173)

CITY OF MARENGO

MCHENRY COUNTY

C-91-181-21

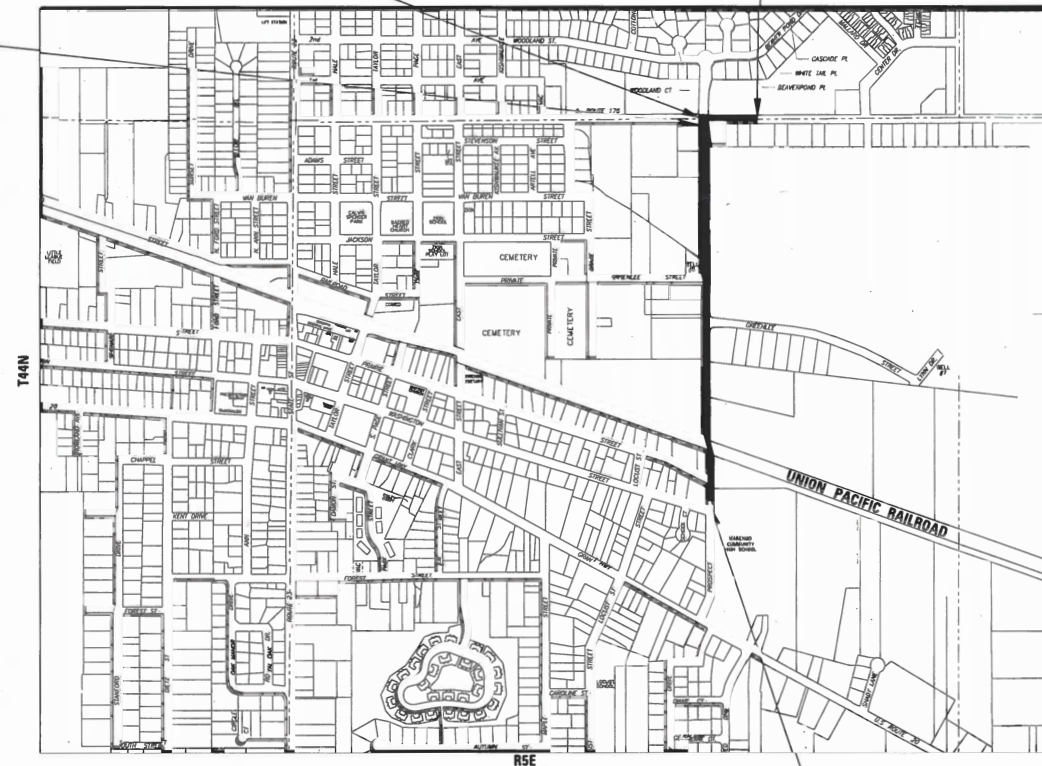
LOCATION MAP

NOT TO SCALE
RSE

BEGIN SIDEWALK IMPROVEMENTS
TELEGRAPH ST (IL RTE 176)
STA 109 + 48.9

END SIDEWALK IMPROVEMENTS
TELEGRAPH ST (IL RTE 176)
STA 115 + 58.0

END IMROVEMENTS
PROSPECT STREET
STA 50 + 50.6



GROSS LENGTH = 3,659.7 FT. = 0.69 MILE

NET LENGTH = 3,659.7 FT. = 0.69 MILE

BEGIN IMROVEMENTS
PROSPECT STREET
STA 20 + 00.0



062-68953
LICENSED
PROFESSIONAL
ENGINEER
OF
STATE OF ILLINOIS
11/22/24
"LICENSE EXPIRES 11-30-2025"

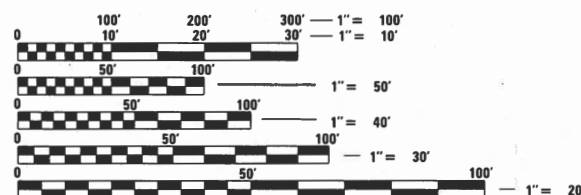
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *[Signature]*
11/22/24
CITY OF MARENGO

PASSED *[Signature]*
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW *[Signature]*
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



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. X1691075-00X



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY MCHENRY
CITY-TOWNSHIP = MARENGO - SENECA
SEC. & 1/4 SEC. NO. = 36
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61L18

BAXTER & WOODMAN
Consulting Engineers

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
jrmiller 2/21/2025 7:42:16 AM
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D1 DETAILS

BD-01	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15' (4.5M)
BD-02	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB GREATER THAN 15' (4.5M)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-36	FIRE HYDRANT TO BE MOVED
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2025", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE CITY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- ACCESS TO PRIVATE AND COMMERCIAL DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING AGGREGATE COURSE FOR TEMPORARY ACCESS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS, BUSINESSES, AND THE CITY WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES TO RESIDENTS AND BUSINESSES AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS AND 6-INCHES WHERE THE SIDEWALK CROSSES PRIVATE DRIVEWAYS. TRANSVERSE EXPANSION JOINTS $\frac{3}{4}$ " SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
- STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WATERWAY. MIDDLE NUMBER IS ZERO.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

COMMITMENTS

- COORDINATION WITH PUBLIC SERVICE PROCESS SHALL OCCUR AT LEAST 48 HOURS PRIOR TO THE CLOSURE OF THE ROAD FOR CONSTRUCTION.
- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH OCTOBER 31ST OF ANY GIVEN YEAR.

STANDARD NO. HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-03	MEDIAN PEDESTRIAN CROSSINGS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' (1.52m) DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER
602421-09	PRECAST MANHOLE TYPE A 9' (2.74 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
604056-04	FRAME AND GRATE TYPE 11V
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
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
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
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
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS

BAXTER & WOODMAN Consulting Engineers	USER NAME = jrmiller	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, AND INDEX OF SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KAR	REVISED -			4087	21-00029-00-PV	MCHENRY	107	2
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -			CONTRACT NO. 61L18				
	PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_GenNotes.dgn			SCALE: N/A	SHEET 1	OF 1	SHEETS	STA.
							ILLINOIS			
							FED. AID PROJECT			

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
20101000	TEMPORARY FENCE	FOOT	200	100	100	
20101100	TREE TRUNK PROTECTION	EACH	8	5	3	
20101200	TREE ROOT PRUNING	EACH	8	5	3	
20200100	EARTH EXCAVATION	CU YD	5,295	3,563	1,324	408
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6,507	2,342	3,281	884
20400800	FURNISHED EXCAVATION	CU YD	2,116	121	1,587	408
20700220	POROUS GRANULAR EMBANKMENT	CU YD	145	145		
20800150	TRENCH BACKFILL	CU YD	1,936	1,746	190	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,157	2,467		690
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,237	453	1,678	106
* 25000110	SEEDING, CLASS 1A	ACRE	2.50	1.25	1.25	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225	113	112	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225	113	112	
* 25100630	EROSION CONTROL BLANKET	SQ YD	13,508	4,932	7,591	985
* 25200200	SUPPLEMENTAL WATERING	UNIT	8		8	

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300	150	150	
28000305	TEMPORARY DITCH CHECKS	FOOT	677	350	327	
28000400	PERIMETER EROSION BARRIER	FOOT	6,468	5,401	1,067	
28000500	INLET AND PIPE PROTECTION	EACH	6	6		
28000510	INLET FILTERS	EACH	43	43		
28100101	STONE RIPRAP, CLASS A1	SQ YD	42	42		
28100105	STONE RIPRAP, CLASS A3	SQ YD	22	22		
28100107	STONE RIPRAP, CLASS A4	SQ YD	42	42		
28200200	FILTER FABRIC	SQ YD	42	42		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	957	765		192
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	11,479	10,329		1,150
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,112		2,112	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1,986		1,986	
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	242			242
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	37		37	

* INDICATES SPECIALTY ITEM



USER NAME = jmilller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 3/11/2025	DATE - 3/11/2025	FILE - 200359-2021_SHT_SQO.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	3
		CONTRACT NO. 61L18		
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	986		986	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,963	8,803	1,160	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	492		492	
40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH-I), 9"	SQ YD	9,781	8,967		814
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	40	40		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10		10	
42001300	PROTECTIVE COAT	SQ YD	3,810	1,698	2,112	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	51		51	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18,070		18,070	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	325		325	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	613		613	
42400800	DETECTABLE WARNINGS	SQ FT	455		455	
44000100	PAVEMENT REMOVAL	SQ YD	9,467	8,333		1,134
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	829	829		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	336	336		

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
44000600	SIDEWALK REMOVAL	SQ FT	4,481		4,481	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	12		12	
50105220	PIPE CULVERT REMOVAL	FOOT	438	438		
* 50901760	PIPE HANDRAIL	FOOT	80		80	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	4	4		
54010703	PRECAST CONCRETE BOX CULVERTS 7' X 3'	FOOT	166	143	23	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8		8	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2		2	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1		1	
54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	1		1	
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	214	60	154	
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	276	261	15	
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	263	263		
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	423	396	27	
550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	21	21		

* INDICATES SPECIALTY ITEM



USER NAME = jtmiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	41	41		
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	66	66		
550A4700	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	683	650	33	
550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	415	415		
* 56106400	ADJUSTING WATER MAIN 8"	FOOT	100	100		
* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	3	2	1	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	183	158	25	
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	200	200		
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	14	14		
60204805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3	3		
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	2	2		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4		
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
				ROADWAY	SIDEWALK/PATH	ROADWAY
				0004 Urban	0021 Urban	0004 Urban
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5		5	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	9	9		
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1		
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	1	1		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3	3		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,624	4,748		876
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	298			298
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	2,172			2,172
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	50	25	25	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		

* INDICATES SPECIALTY ITEM

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
jrmiller 3/11/2025 8:47:39 AM
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				CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK/PATH	ROADWAY
				0004	0021	0004
				Urban	Urban	Urban
67100100	MOBILIZATION	L SUM	1.0	0.8	0.2	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	171	171		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	725	725		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	8,700	8,700		
70303100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - MODIFIED URETHANE	SQ FT	476	476		
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	8,231	8,231		
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	1,008	1,008		
70303160	TEMPORARY PAVEMENT MARKING - LINE 12"- MODIFIED URETHANE	FOOT	2,494	2,494		
70303210	TEMPORARY PAVEMENT MARKING - LINE 24"- MODIFIED URETHANE	FOOT	74	74		
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	226	226		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2,175	2,175		
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	140	140		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	160	18	142	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	206	44	162	

* INDICATES SPECIALTY ITEM

				CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK/PATH	ROADWAY
				0004	0021	0004
				Urban	Urban	Urban
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	476	251		225
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,231	8,231		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,300	1,008	292	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3,166	2,494	672	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	74	26		48
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,700	2,700		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	473	473		
* A2002616	TREE, CARYA CORDIFORMIS (BITTERNUT HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6		6	
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	6		6	
* A2005816	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2" CALIPER, BALLED AND BURLAPPED	EACH	6		6	
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7		7	
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7		7	
* A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6		6	
* K1005421	SEEDING (SPECIAL)	ACRE	0.50	0.25	0.25	
X0325777	BACKFLOW PREVENTER AND ENCLOSURE	EACH	1	1		

* INDICATES SPECIALTY ITEM

	USER NAME = jrmiller	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	DRAWN - KAR	REVISED -					4087	21-00029-00-PV	MCHENRY	107	6
	PLOT DATE = 3/11/2025	CHECKED - DJS	REVISED -					CONTRACT NO. 61L18				
		DATE - 3/11/2025	FILE - 200359-2021_SHT_SQO.dgn					ILLINOIS FED. AID PROJECT				
SCALE: N/A		SHEET 4 OF 5 SHEETS		STA.		TO STA.						

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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184-001121 - EXPIRES 4/30/2025
3/11/2025
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				CONSTRUCTION CODE		
				STP & TARP	ITEP, SRTS & TAP	GCPF & STP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK/PATH	ROADWAY
				0004	0021	0004
				Urban	Urban	Urban
X0327998	BOLLARD TO BE RELOCATED	EACH	5		5	
* X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	1		1	
X2010404	STUMP REMOVAL	EACH	38		38	
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	200	200		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6		
X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5		
X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	1,800	726	1,074	
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	183	158	25	
X6026050	SANITARYMANHOLES TO BE ADJUSTED	EACH	1	1		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.8	0.2	
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	214	214		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0	0.8	0.2	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	5	5		
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1			1

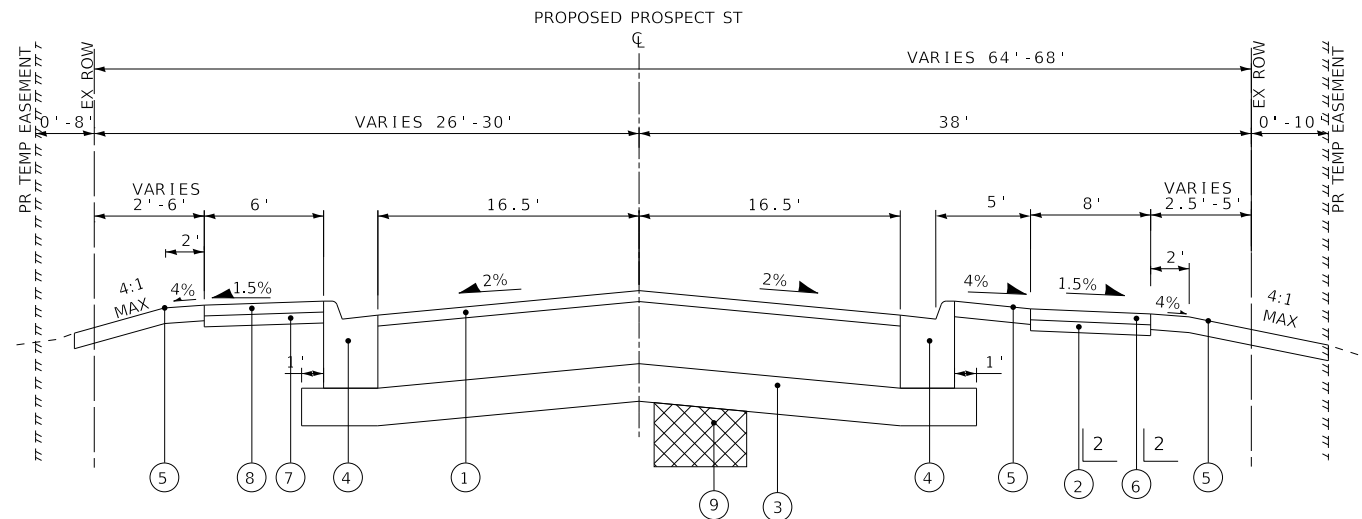
* INDICATES SPECIALTY ITEM

[illegible]

* INDICATES SPECIALTY ITEM

\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

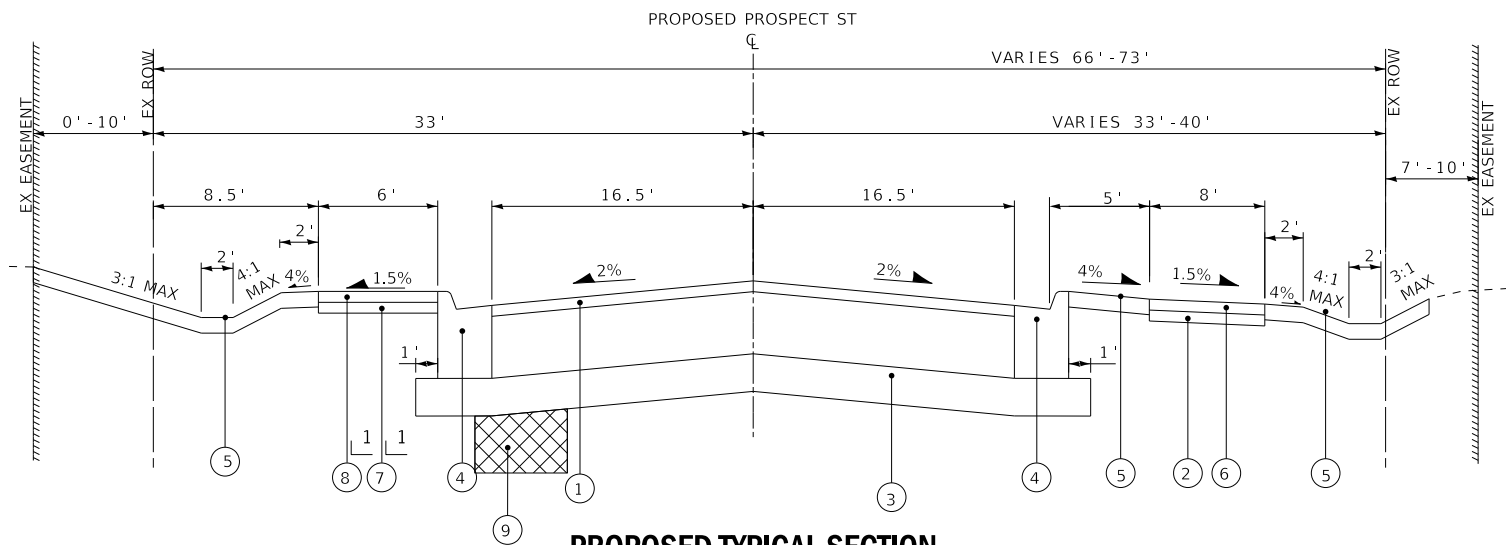
BAXTER & WOODMAN Consulting Engineers	USER NAME = jmillier	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KAR	REVISED -							4087	21-00029-00-PV	MCHENRY	107	7
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -							CONTRACT NO. 61L18				
	PLOT DATE = 3/11/2025	DATE - 3/11/2025	FILE - 200359-2021_SHT_SOQ.dgn		SCALE: N/A	SHEET 5	OF 5	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		



PROPOSED TYPICAL SECTION

PROSPECT STREET
STA 20+00 TO STA 22+85

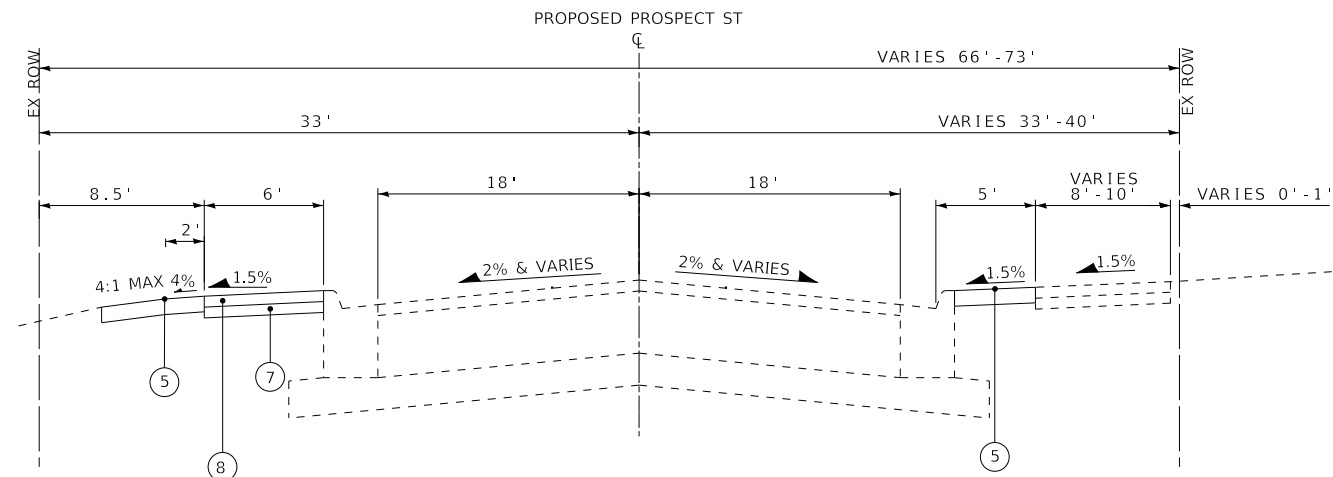
2 STA 21+07 TO STA 22+85



PROPOSED TYPICAL SECTION

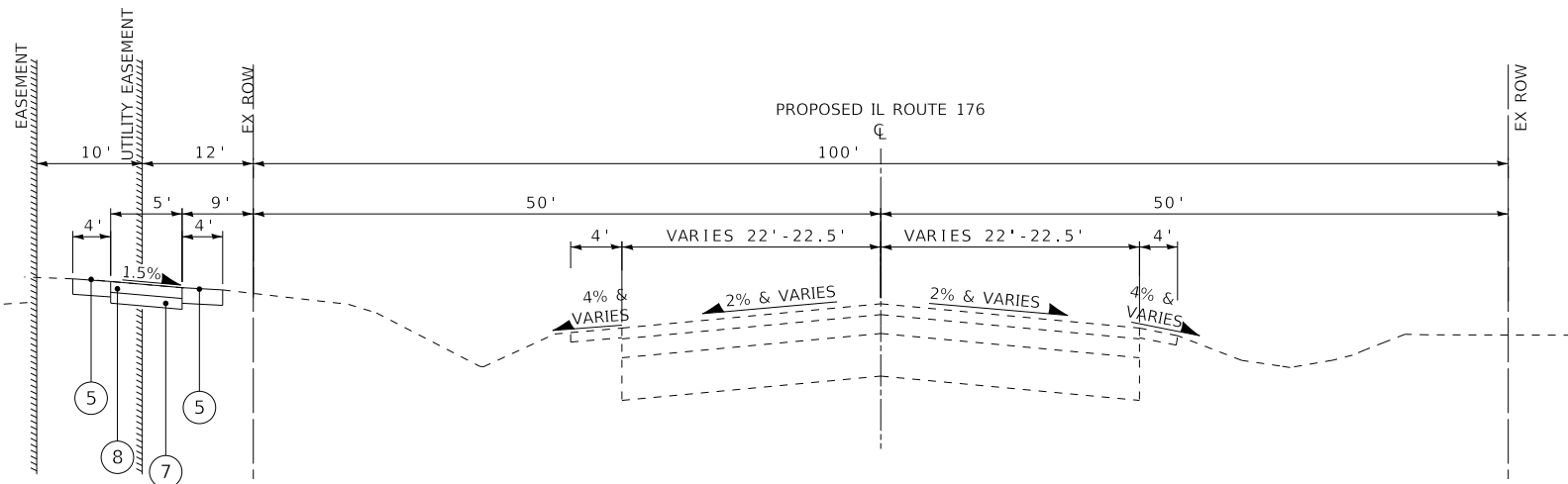
PROSPECT STREET
STA 26+02 TO STA 45+64

1 BEGIN AT STATION 24+47



PROPOSED TYPICAL SECTION

PROSPECT STREET
STA 45+60 TO STA 50+00



PROPOSED TYPICAL SECTION

IL ROUTE 176 (TELEGRAPH STREET)
STA 110+50 TO STA 115+50

PROPOSED LEGEND

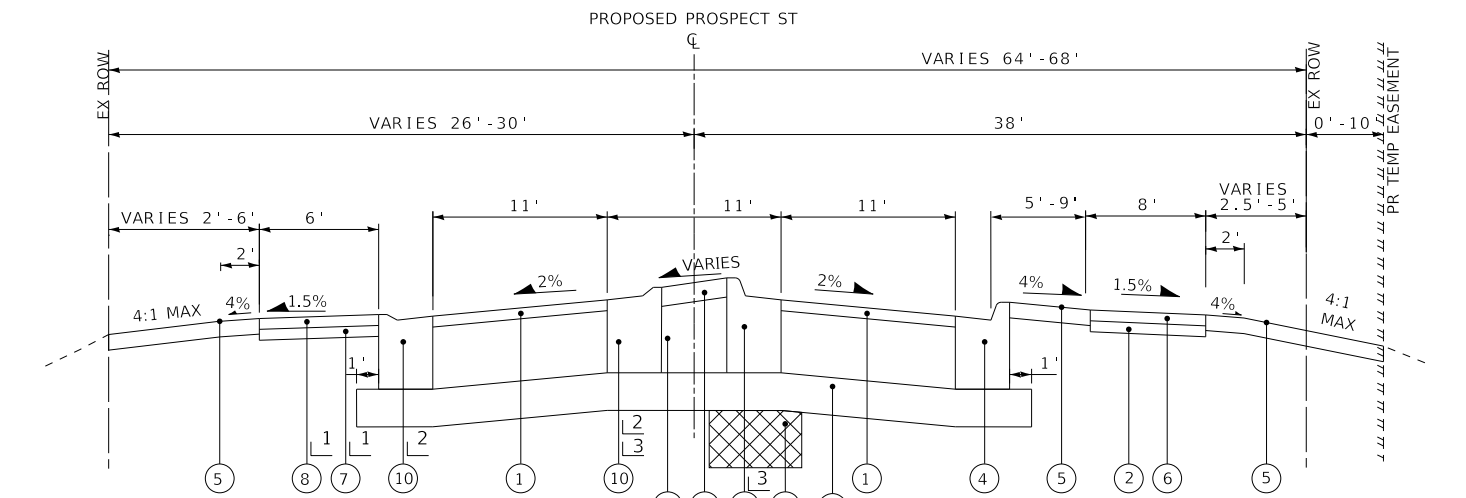
- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- ② AGGREGATE BASE COURSE TYPE B 8"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ TOPSOIL EXCAVATION AND PLACEMENT
SEEDING, CLASS 1A
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "D", N50 - 3"
- ⑦ AGGREGATE BASE COURSE TYPE B 4"
- ⑧ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 9"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) - 4 1/2"	4% @ 50 Gyr.	LR1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 Gyr.	LR1030-2
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6"	4% @ 50 Gyr.	LR1030-2
HMA SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 3" (IN 2 LIFTS)	4% @ 50 Gyr.	LR1030-2
HMA DRIVEWAY PRIVATE ENTRANCE		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) - 6"	4% @ 50 Gyr.	LR1030-2
HMA DRIVEWAY COMMERCIAL ENTRANCE		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0) - 8"	4% @ 50 Gyr.	LR1030-2
QMP designation: Quality Control/Quality Assurance (QC/QA) governed by LR 1030-2		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA 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 RECLAIMED MATERIALS SPECIFICATIONS.

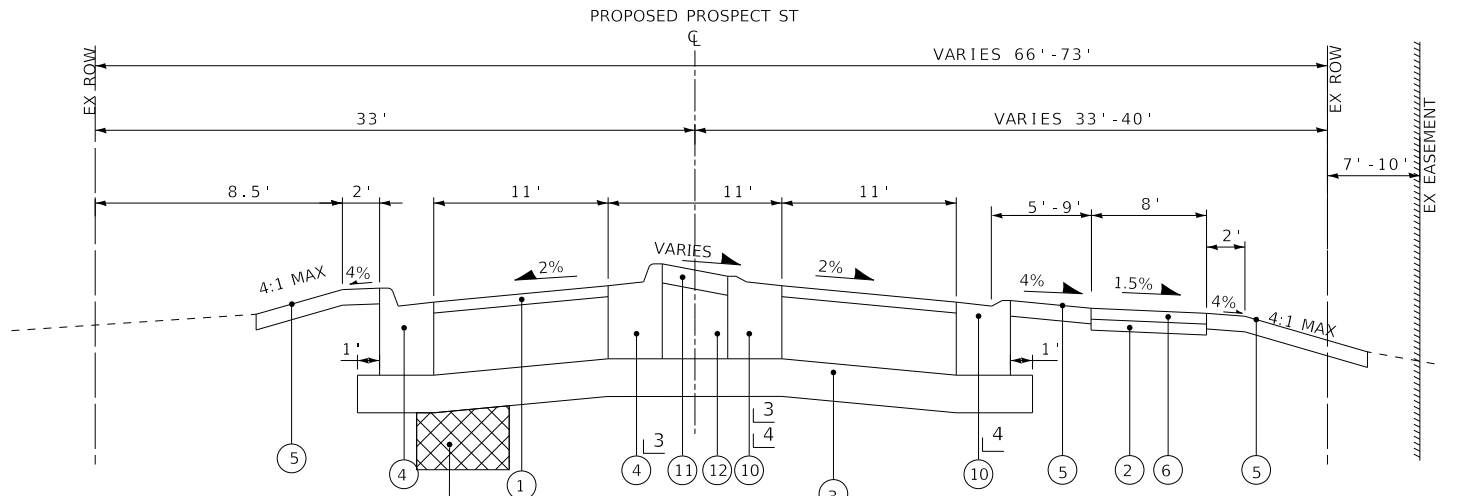
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jrmiller
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PROPOSED TYPICAL SECTION

PROSPECT STREET
STA 22+85 TO STA 24+44

- 1 TO STA 24+08
- 2 ESCAPE AREA STA 23+60 TO STA 24+35
- 3 REVERSED PITCH



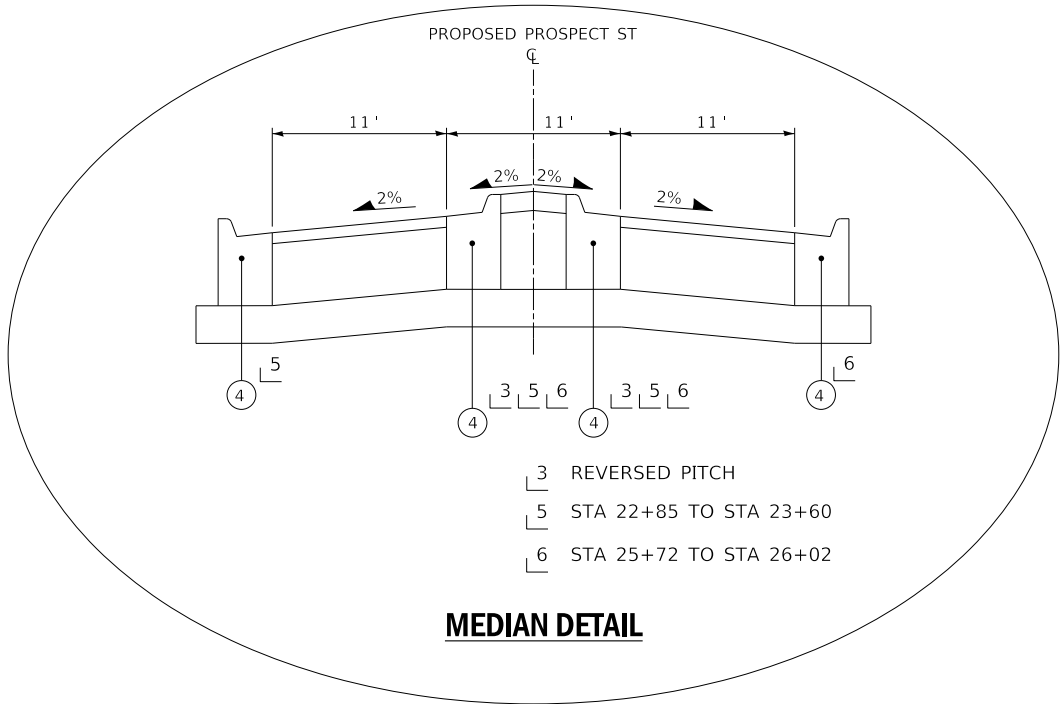
PROPOSED TYPICAL SECTION

PROSPECT STREET
STA 24+44 TO STA 26+02

- 3 REVERSED PITCH
- 4 ESCAPE AREA STA 24+52 TO STA 25+72

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

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



MEDIAN DETAIL

- 3 REVERSED PITCH
- 5 STA 22+85 TO STA 23+60
- 6 STA 25+72 TO STA 26+02

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- 2 AGGREGATE BASE COURSE TYPE B 8"
- 3 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 4 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 5 TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 1A
- 6 HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "D", N50 - 3"
- 7 AGGREGATE BASE COURSE TYPE B 4"
- 8 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 9 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AGGREGATE SUBGRADE IMPROVEMENT (AS DETERMINED BY THE ENGINEER)
- 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12
- 11 CONCRETE MEDIAN SURFACE, 6 INCH
- 12 AGGREGATE BASE COURSE TYPE B 12"

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jrmiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359_TypSec_01.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PROSPECT STREET RECONSTRUCTION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	10
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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EARTHWORK SUMMARY									
LOCATION	1 UNDERCUT AND AGG SUBGRADE IMPROVEMENT CU YD	2 TOPSOIL EXCAVATION CU YD	3 TOPSOIL PLACEMENT CU YD	4 UNSUITABLE EXCAVATION (TOPSOIL) CU YD	5 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL CU YD	6 EARTH EXCAVATION CU YD	7 EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) CU YD	8 EMBANKMENT CU YD	9 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD
PROSPECT STREET	957	6,206	1,712	4,494	5,451	5,261	4,472	6,610	-2,138
IL176 SIDEWALK	0	151	94	57	57	34	29	7	22
COMPENSATORY STORAGE BASIN	0	1,430	431	999	999	0	0	0	0
TOTALS	957	7,787	2,237	5,550	6,507	5,295	4,501	6,617	-2,116

COLUMN 1 = FROM BORING SUBGRADE RECOMMENDATIONS (ESTIMATED)
COLUMN 2 = TOPSOIL DEPTH VARIES
COLUMN 3 = ESTIMATED PR TOPSOIL AT 6" DEPTH
COLUMN 4 = REMAINING TOPSOIL (COLUMN 2 - COLUMN 3)
COLUMN 5 = COLUMN 1 + COLUMN 4
COLUMN 6 = FROM CROSS SECTION END AREAS OUTSIDE OF STRUCTURE
COLUMN 7 = COLUMN 6 x (0.85)
COLUMN 8 = FROM CROSS SECTION END AREAS
COLUMN 9 = COLUMN 7 - COLUMN 8

EARTHWORK SUMMARY		TOTAL
(20200100) EARTH EXCAVATION		5,295
(20400800) FURNISHED EXCAVATION		2,116
(20201200) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		6,507
(21101505) TOPSOIL EXCAVATION AND PLACEMENT		2,237
(30300001) AGGREGATE SUBGRADE IMPROVEMENT		957

TREE AND STUMP REMOVAL SCHEDULE			
STA	SIDE	TREE REMOVAL (BY OTHERS) INCH	X2010404 STUMP REMOVAL EACH
25+11.0	RT	6	1
25+20.0	RT	6	1
28+05.0	LT	12	1
28+87.0	LT	12	1
30+07.0	LT	10	1
33+04.0	LT	36	1
33+05.0	LT	36	1
33+10.0	LT	36	1
33+15.0	RT	16	1
33+45.0	RT	16	1
33+97.0	LT	12	1
34+68.0	LT	12	1
40+29.0	LT	18	1
40+29.0	LT	16	1
40+79.0	LT	42	1
40+96.0	LT	12	1
41+19.0	LT	16	1
41+19.0	LT	12	1
41+37.0	LT	15	1
41+37.0	LT	15	1
41+37.0	LT	15	1
41+41.0	LT	15	1
41+41.0	LT	15	1
41+41.0	LT	10	1
41+41.0	LT	12	1
41+41.0	LT	15	1
41+41.0	LT	8	1
41+61.0	LT	28	1
41+61.0	LT	15	1
41+61.0	LT	10	1
41+61.0	LT	14	1
41+61.0	LT	6	1
41+61.0	LT	12	1
41+61.0	LT	15	1
42+10.0	LT	42	1
42+12.0	LT	16	1
42+25.0	LT	12	1
44+09.0	RT	30	1
TOTALS			38

PAVEMENT MARKING SCHEDULE							
			78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS SQ FT	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT
STA.	TO STA.	TYPE					
PROSPECT STREET							
20+94	21+00	LEFT TURN ARROW	15.6				
21+08	21+14	LEFT TURN ARROW	15.6				
20+00	21+23	2 WAY LEFT TURN LANE		164.3			
20+00	21+23	2 WAY LEFT TURN LANE		164.3			
21+43	21+59	STOP BAR					16
21+95	22+85	DOUBLE YELLOW		369.4			
21+97	22+85	SINGLE YELLOW		58.5			
22+57	23+09	R&R CROSSING	75.3				
22+85	24+33	SINGLE YELLOW		311			
23+53	23+68	BIKE PATH R&R CROSSING	37.7				
23+86	24+01	WHITE DIAGONAL				123	
23+86	23+89	SINGLE WHITE LINE			24		
23+93	24+08	WHITE DIAGONAL				123	
23+93	23+97	SINGLE WHITE LINE			24		
23+97	24+01	SINGLE WHITE LINE			24		
24+05	24+08	SINGLE WHITE LINE			24		
24+17		STOP BAR					11
24+54	26+02	SINGLE YELLOW		311			
24+71		STOP BAR					11
24+94	25+09	BIKE PATH R&R CROSSING	37.7				
25+73	26+25	R&R CROSSING	75.3				
26+02	27+45	2 WAY LEFT TURN LANE		192			
26+02	27+45	2 WAY LEFT TURN LANE		192			
26+35	26+41	LEFT TURN ARROW	15.6				
26+49	26+55	LEFT TURN ARROW	15.6				
27+46	27+53	WHITE DIAGONAL				176	
27+52	34+72	2 WAY LEFT TURN LANE		959			
27+52	34+72	2 WAY LEFT TURN LANE		959			
28+52	28+58	LEFT TURN ARROW	15.6				
28+66	28+72	LEFT TURN ARROW	15.6				
30+53	30+59	LEFT TURN ARROW	15.6				
30+67	30+73	LEFT TURN ARROW	15.6				
32+55	32+61	LEFT TURN ARROW	15.6				
32+69	32+75	LEFT TURN ARROW	15.6				
34+50	34+56	LEFT TURN ARROW	15.6				
34+68	35+65	WHITE DIAGONAL				610	
34+64	34+70	LEFT TURN ARROW	15.6				
35+18	35+42	STOP BAR					24
35+56	37+49	2 WAY LEFT TURN LANE		258			
35+56	37+49	2 WAY LEFT TURN LANE		258			
35+63	35+69	LEFT TURN ARROW	15.6				
35+77	35+83	LEFT TURN ARROW	15.6				
37+26	37+32	LEFT TURN ARROW	15.6				
37+40	37+46	LEFT TURN ARROW	15.6				
37+63	38+19	WHITE DIAGONAL				240	
37+79	37+89	STOP BAR					12
38+33	47+33	DOUBLE YELLOW		3,610			
38+39	47+25	SINGLE YELLOW		424			
50+37	50+46	WHITE DIAGONAL				379	
50+38		SINGLE WHITE LINE			280		
50+46		SINGLE WHITE LINE			295		
51+18	51+24	WHITE DIAGONAL				365	
PROSPECT STREET BIKE TRAIL							
21+19	21+49				62	153	
21+19	21+49	WHITE DIAGONAL				324	
21+23	21+45				45		
27+73	28+40				133		
27+74	28+35	WHITE DIAGONAL					
27+83	28+32				96		
PROSPECT STREET SIDEWALK							
21+35	21+99	WHITE DIAGONAL				284	
IL-176							
110+35		SINGLE WHITE LINE			153		
110+40		WHITE DIAGONAL				388	
110+43		SINGLE WHITE LINE			140		
TOTALS			476	8,231	1,300	3,166	74

PROPOSED SIGN SCHEDULE					
				72000100 SIGN PANEL - TYPE 1	72800100 TELESCOPING STEEL SIGN SUPPORT
STA		SIGN	SIGN SIZE	SQ FT	FOOT
PROSPECT STREET					
20+65	RT	W11-15	30"X30"	6.3	17.0
20+65	RT	W11-15P	24"X18"	3.0	
20+65	RT	W16-9P	24"X12"	2.0	
23+09	RT	W10-1	24"	3.1	14.0
23+83	RT	W11-15	30"X30"	6.3	17.0
23+83	RT	W11-15P	24"X18"	3.0	
23+83	RT	W16-7P	24"X12"	2.0	
24+04	RT/LT	W11-15	30"X30"	0.7	17.0
24+04	RT/LT	W11-15P	24"X18"	0.7	
24+04	RT/LT	W16-7P	24"X12"	2.0	
24+04	RT/LT	W11-15	30"X30"	6.3	17.0
24+04	RT/LT	W11-15P	24"X18"	3.0	
24+04	RT/LT	W16-7P	24"X12"	2.0	
24+11	LT	W11-15	30"X30"	6.3	16.0
24+11	LT	W11-15P	24"X18"	3.0	
24+11	LT	W16-7P	24"X12"	2.0	
24+23	LT	R8-8	24"X30"	5.0	14.5
24+72	LT	R8-8	24"X30"	5.0	14.5
25+51	RT	W10-1	24"	3.1	17.0
25+51	RT	W11-2	30"X30"	6.3	
25+51	RT	W16-9P	24"X12"	2.0	
25+91	LT	W10-1	36"	7.1	15.0
28+53	LT	W11-2	30"X30"	6.3	15.5
28+53	LT	W16-9P	24"X12"	2.0	
50+39	RT	W11-15	36"X36"	18.0	
50+39	RT	W16-9P	24"X12"	4.0	
50+39	RT	R10-25	9"X12"	0.8	
51+22	RT	W11-15	36"X36"	27.0	
51+22	RT	W16-9P	24"X12"	4.0	
51+22	RT	R10-25	9"X12"	0.8	
SUBTOTAL				143.0	175.0
IL-176					
106+75	RT	W11-15	30"x30"	6.3	15.5
106+75	RT	W16-9P	24"x12"	2.0	
114+03	LT	W11-15	30"x30"	6.3	15.5
114+03	LT	W16-9P	24"x12"	2.0	
SUBTOTAL				17.0	31.0
TOTAL				160.0	206.0



USER NAME = jrmiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Schedules.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A	SHEET 2	OF 2	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	12
CONTRACT NO. 61L18				
		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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Beginning chain PR_PROSPECT description
Feature: Geom_Pr_Centerline
=====

Point 2456 N 2,031,602 E 912,998 Sta 10+00

Course from 2456 to PC PR_PROSPECT_3 N 22° 13' 47" E Dist 181

Curve Data

Curve PR_PROSPECT_3
P.I. Station 12+48 N 2,031,831 E 913,092
Delta = 23° 18' 02" (LT)
Degree = 17° 41' 02"
Tangent = 67
Length = 132
Radius = 324
External = 7
Long Chord = 131
Mid. Ord. = 7
P.C. Station 11+81 N 2,031,770 E 913,067
P.T. Station 13+13 N 2,031,898 E 913,091
C.C. N 2,031,892 E 912,767
Back = N 22° 13' 47" E
Ahead = N 1° 04' 15" W
Chord Bear = N 10° 34' 46" E

Course from PT PR_PROSPECT_3 to 2457 N 1° 04' 15" W Dist 580

Point 2457 N 2,032,478 E 913,080 Sta 18+93

Course from 2457 to 2458 N 0° 55' 56" W Dist 162

Point 2458 N 2,032,640 E 913,078 Sta 20+55

Course from 2458 to 2459 N 0° 03' 11" E Dist 90

Point 2459 N 2,032,730 E 913,078 Sta 21+45

Course from 2459 to PC PR_PROSPECT_12 N 0° 18' 08" E Dist 194

Curve Data

Curve PR_PROSPECT_12
P.I. Station 24+08 N 2,032,992 E 913,079
Delta = 5° 12' 55" (LT)
Degree = 3° 49' 11"
Tangent = 68
Length = 137
Radius = 1,500
External = 2
Long Chord = 136
Mid. Ord. = 2
P.C. Station 23+39 N 2,032,924 E 913,079
P.T. Station 24+76 N 2,033,060 E 913,073
C.C. N 2,032,932 E 911,579
Back = N 0° 18' 08" E
Ahead = N 4° 54' 47" W
Chord Bear = N 2° 18' 20" W

Course from PT PR_PROSPECT_12 to PC PR_PROSPECT_15 N 4° 54' 47" W Dist 207

Curve Data

Curve PR_PROSPECT_15
P.I. Station 27+48 N 2,033,332 E 913,050
Delta = 4° 58' 52" (RT)
Degree = 3° 49' 11"
Tangent = 65
Length = 130
Radius = 1,500
External = 1
Long Chord = 130
Mid. Ord. = 1
P.C. Station 26+83 N 2,033,267 E 913,056
P.T. Station 28+13 N 2,033,397 E 913,050
C.C. N 2,033,395 E 914,550
Back = N 4° 54' 47" W
Ahead = N 0° 04' 05" E
Chord Bear = N 2° 25' 21" W

Course from PT PR_PROSPECT_15 to 2460 N 0° 04' 05" E Dist 2,376

Point 2460 N 2,035,773 E 913,053 Sta 51+89

=====

Ending chain PR_PROSPECT description

BENCHMARKS:

BM 12 WEST NORTHWEST ARROW BONNET BOLT ON FIRE HYDRANT
ON WEST SIDE OF PROSPECT ST AT ADDRESS 260
ELEV = 827.297 (NAVD88)

BM 13 SOUTH SOUTHEAST AROOW BONNET BOLT ON FIRE HYDRANT
ON EAST SIDE OF PROSPECT ST ACROSS FROM ADDRESS 210
ELEV = 823.628 (NAVD88)

BM 14 WEST FLANGE BOLT ON FIRE HYDRANT ON NORTHWEST CORNER
OF PROSPECT ST AND PRAIRIE ST
ELEV = 820.297 (NAVD88)

BM 15 WEST NORTHWEST ARROW BONNET BOLT ON FIRE HYDRANT
ON EAST SIDE OF PROSPECT ST AT ADDRESS 201
ELEV = 816.078 (NAVD88)

BM 16 NORTHEAST FLANGE BOLT ON FIRE HYDRANT ON EAST SIDE OF
PROSPECT ST ACROSS FROM ADDRESS 204
ELEV = 814.664

BM 17 MINI RAILROAD SPIKE ON WEST SIDE OF POWER POLE ON EAST
SIDE OF PROSPECT ST NORTH OF E GREENLEE ST
ELEV = 812.857 (NAVD88)

BM 18 RAILROAD SPIKE ON NORTHEAST SIDE OF POWER POLE ON SOUTHWEST
CORNER OF PROSPECT ST AND W GREENLEE ST
ELEV = 811.992 (NAVD88)

BM 19 EAST SOUTHEAST ARROW BONNET BOLT ON FIRE HYDRANT ON EAST SIDE
OF PROSPECT ST APPROX. 200' NORTH OF GREENLEE ST
ELEV = 812.697 (NAVD88)

BM20EAST SOUTHEAST ARROW BONNET BOLT ON FIRE HYDRANT ON EAST SIDE
OF PROSPECT ST APPROX. 500' NORTH OF GREENLEE ST
ELEV = 812.103 (NAVD88)

BM 21 NORTHWEST FLANGE BOLT ON FIRE HYDRANT ON NORTHEAST CORNER
OF GRACE AND GREENLEE ST
ELEV = 813.041 (NAVD88)

BM 23 MINI RAILROAD SPIKE ON NORTHWEST FACE OF POWER POLE WITH LIGHT
ON SOUTHEAST CORNER OF PROSPECT ST AND TELEGRAPH RD (IL ROUTE 176)
ELEV = 810.574 (NAVD88)

Beginning chain PR IL176 description
Feature: Geom_Pr_Centerline
=====

Point 2434 N 2,035,672 E 912,752 Sta 106+99

Course from 2434 to 2435 S 89° 50' 33" E Dist 1,071

Point 2435 N 2,035,669 E 913,823 Sta 117+70

=====

Ending chain PR IL176 description



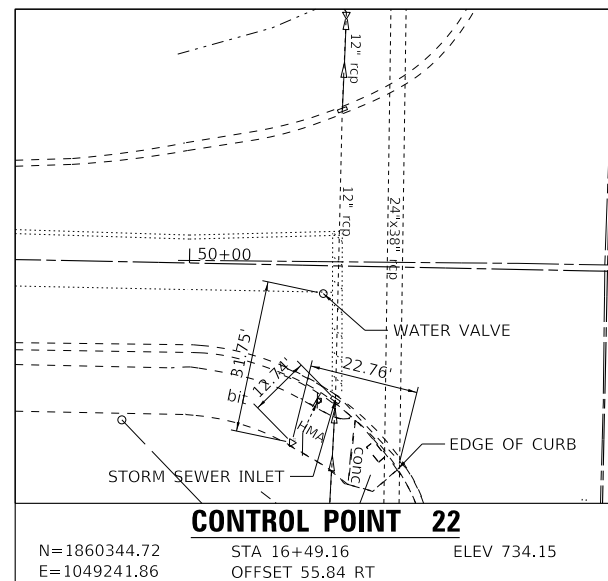
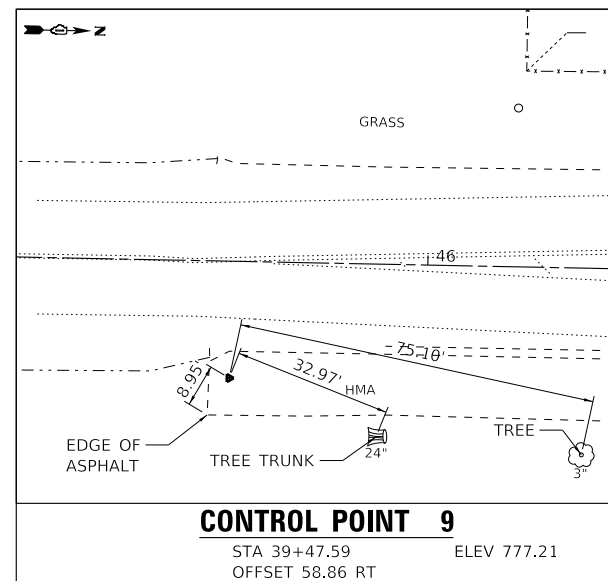
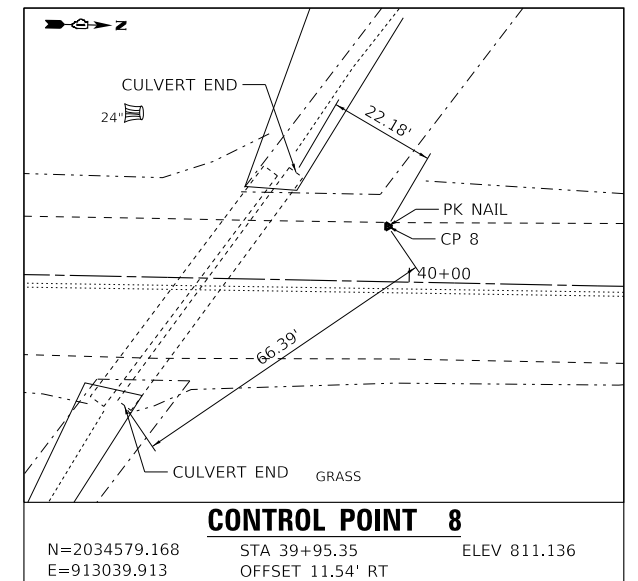
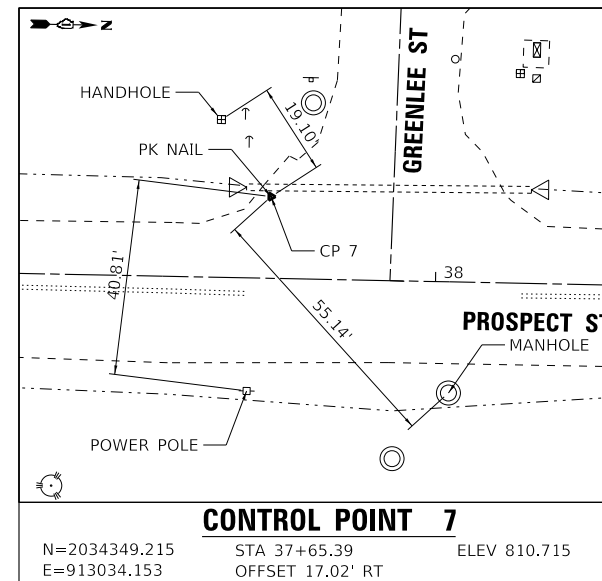
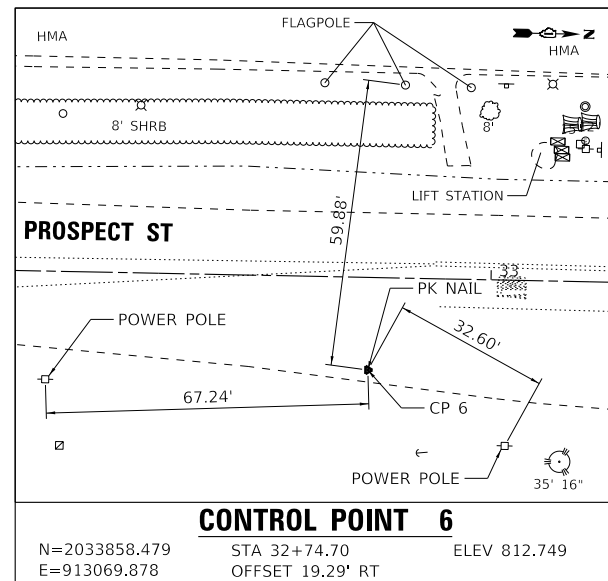
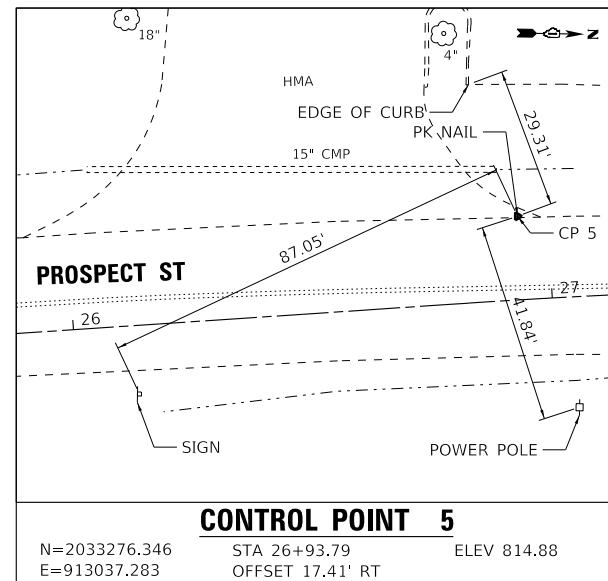
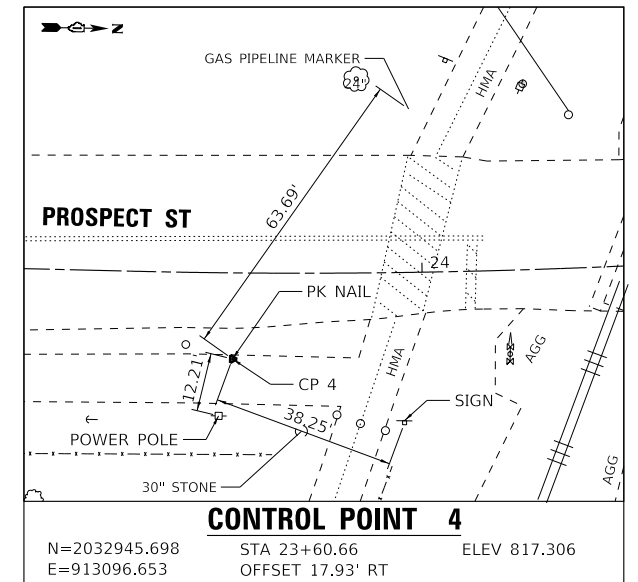
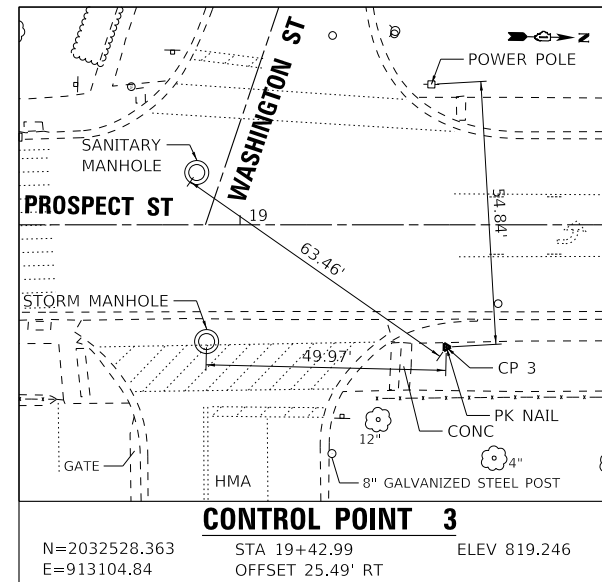
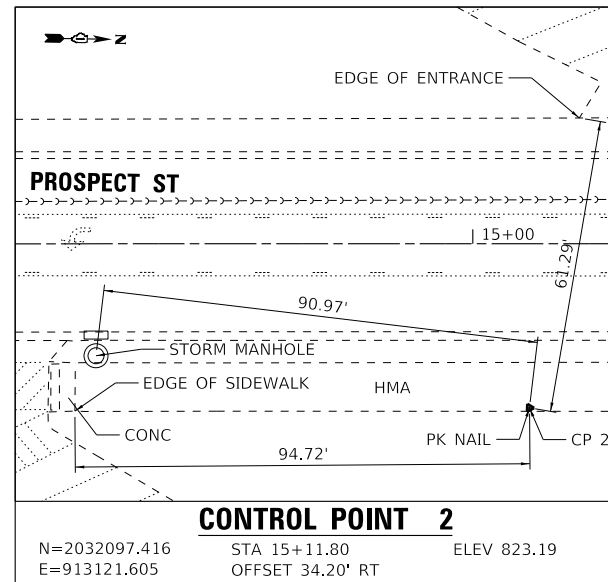
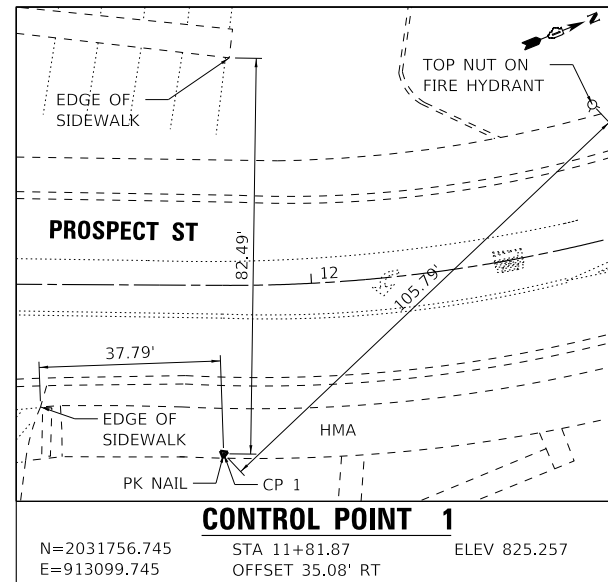
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

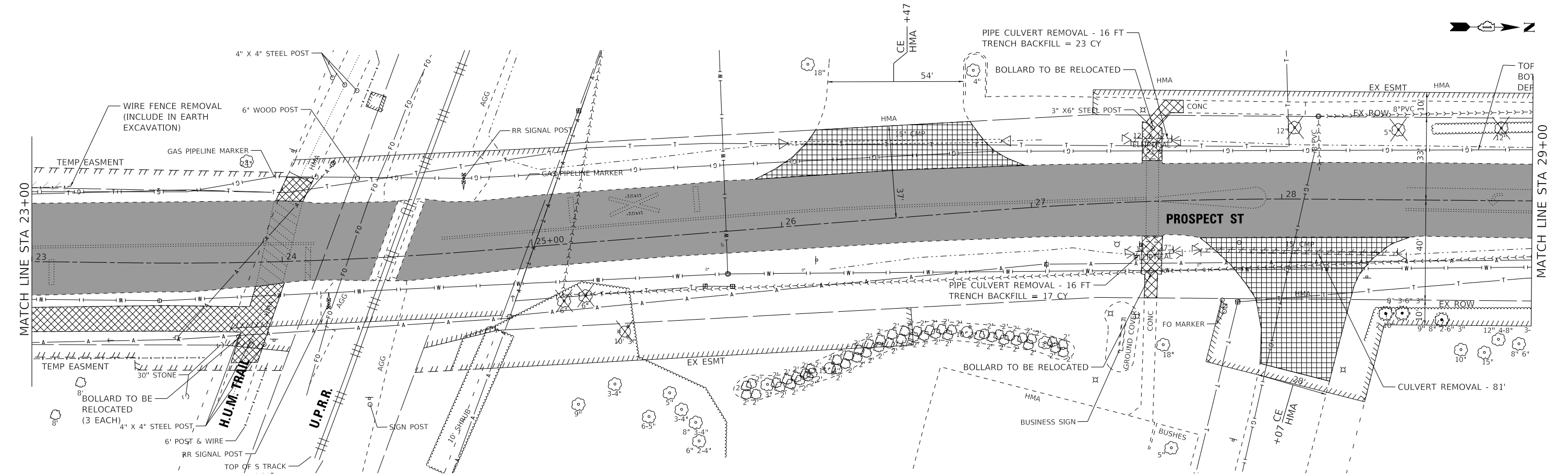
ALIGNMENTS AND BENCHMARKS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	14
		CONTRACT NO. 61L18		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers	USER NAME = jrmiller	DESIGNED - JDM	REVISED -
		DRAWN - KAR	REVISED -
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	PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Removal_02.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 18+00 TO STA. 29+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	16
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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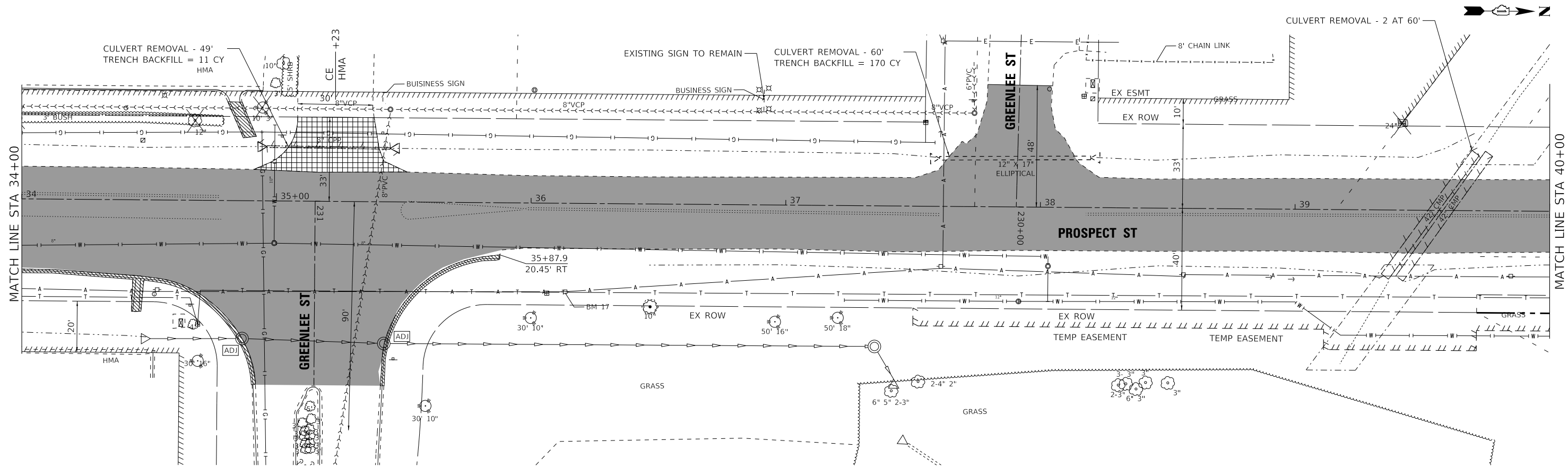
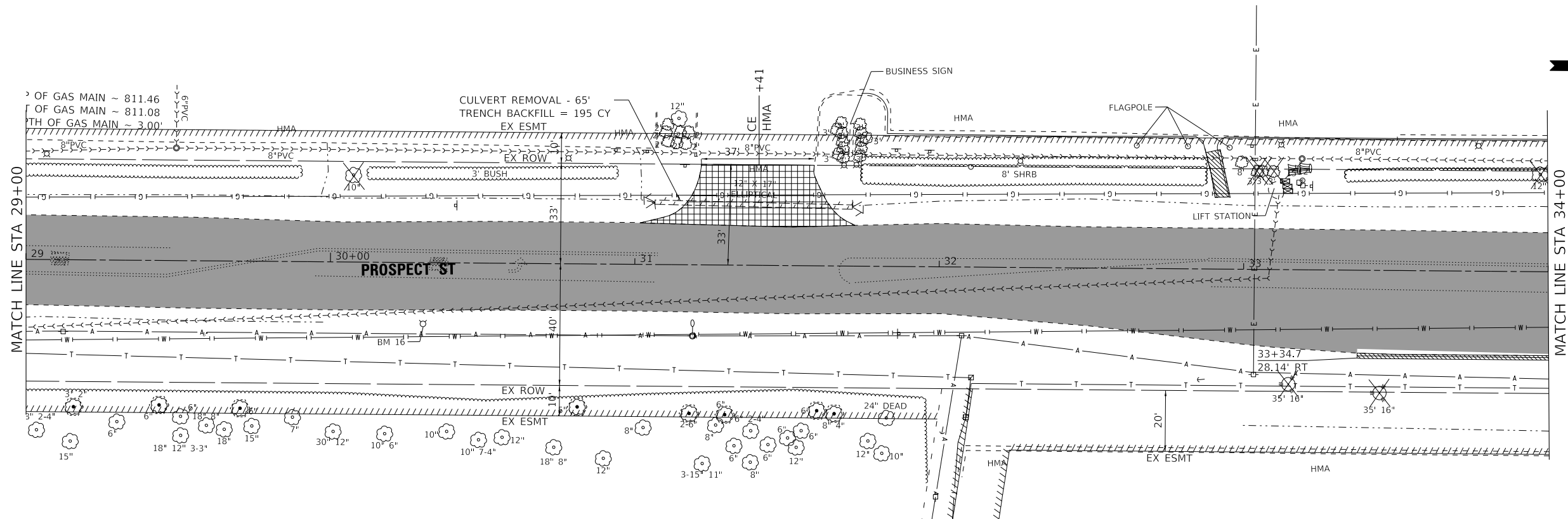
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

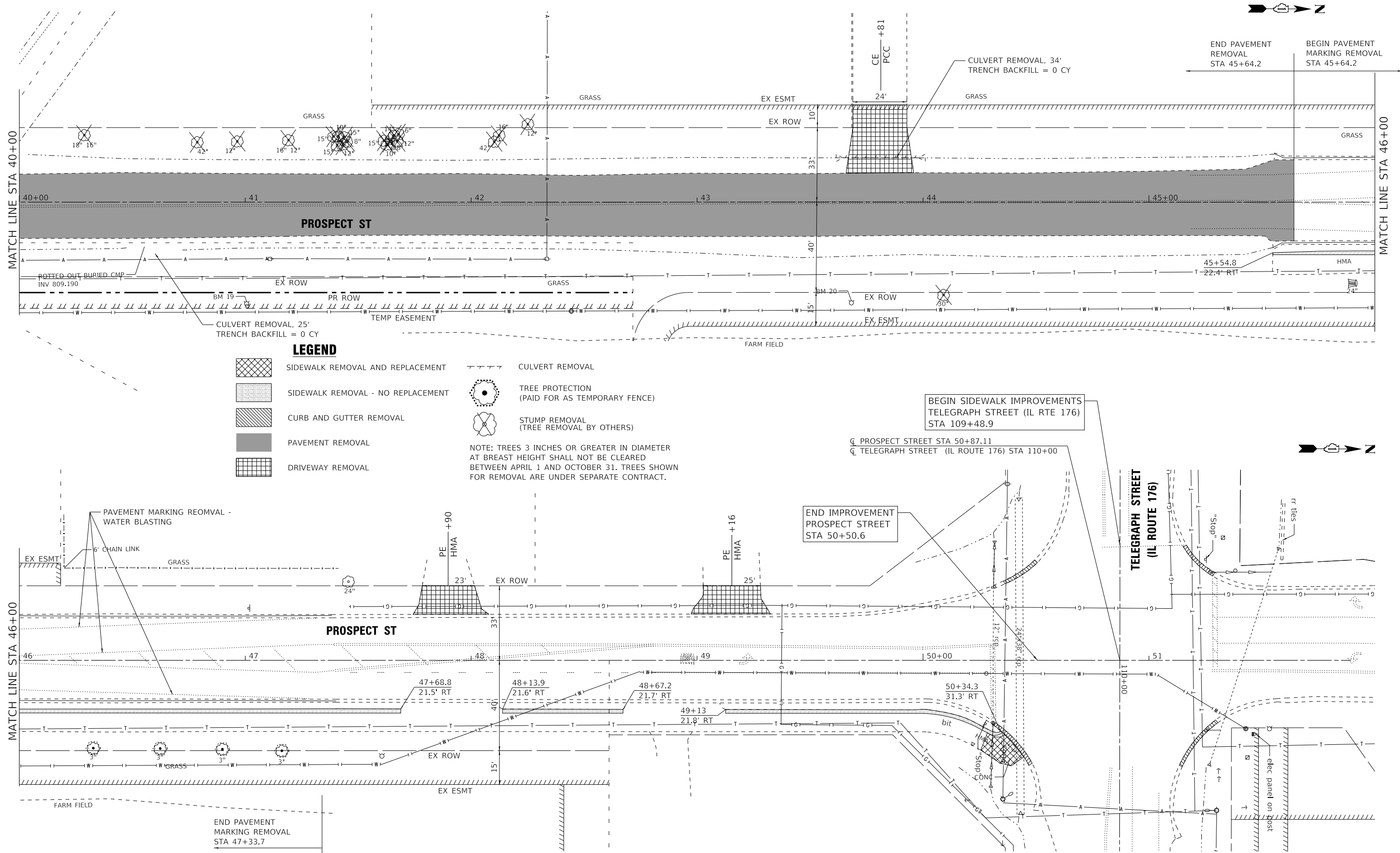
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 29+00 TO STA. 40+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	17
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				



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BAXTER & WOODMAN
Consulting Engineers

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DRAWN - KAR	REVISOR -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 40+00 TO STA. 52+00

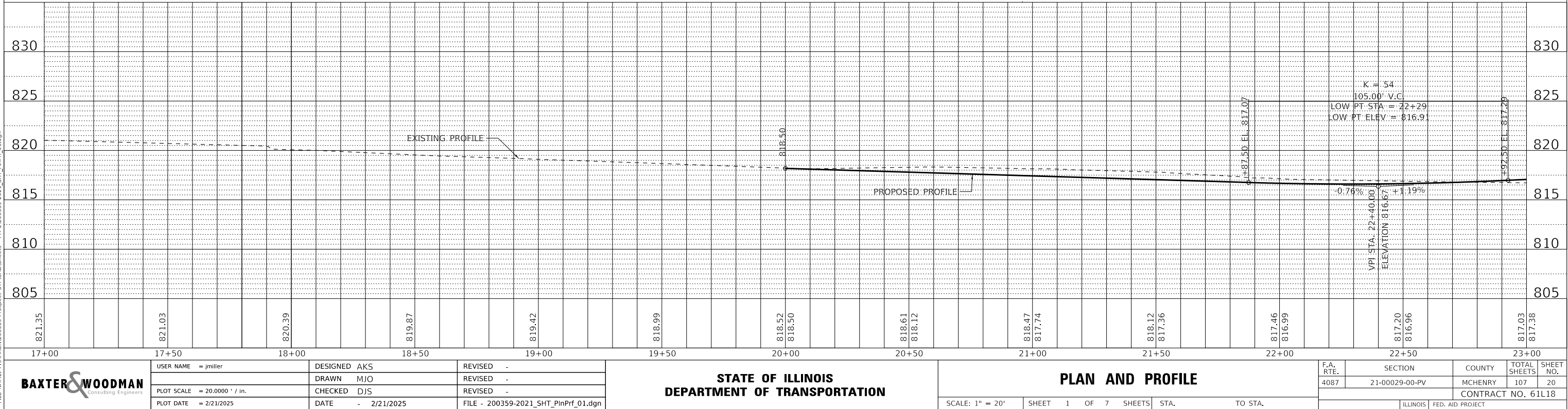
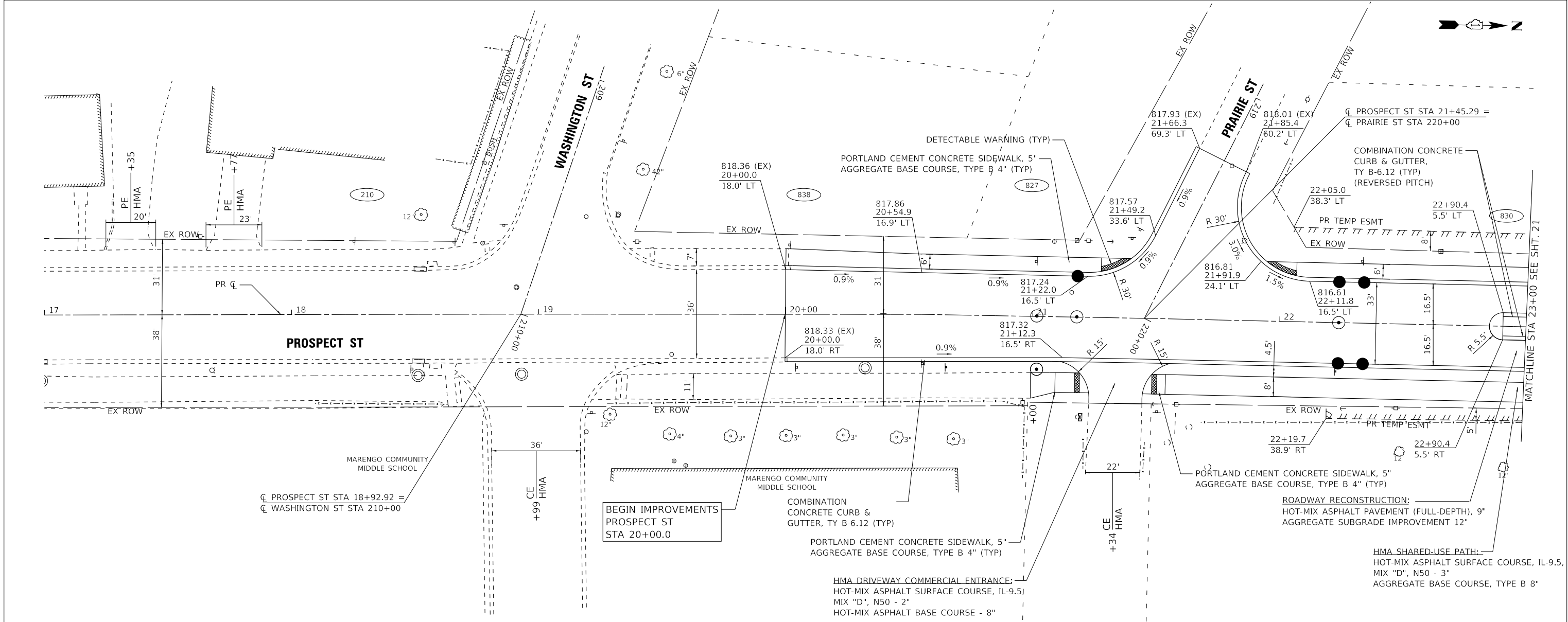
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4087	21-00029-00-PV	MCHENRY	107	18
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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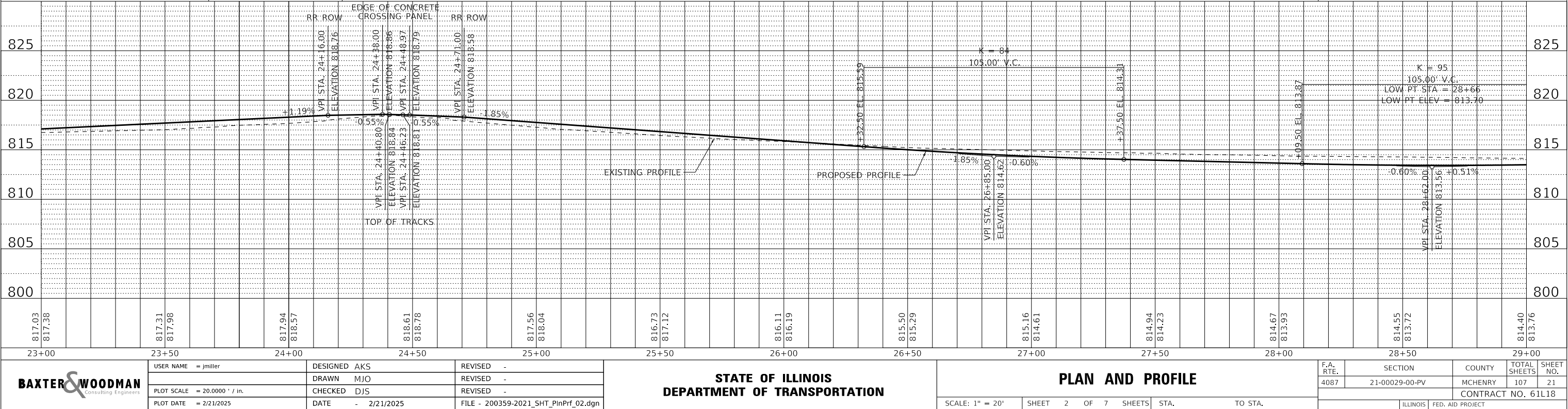
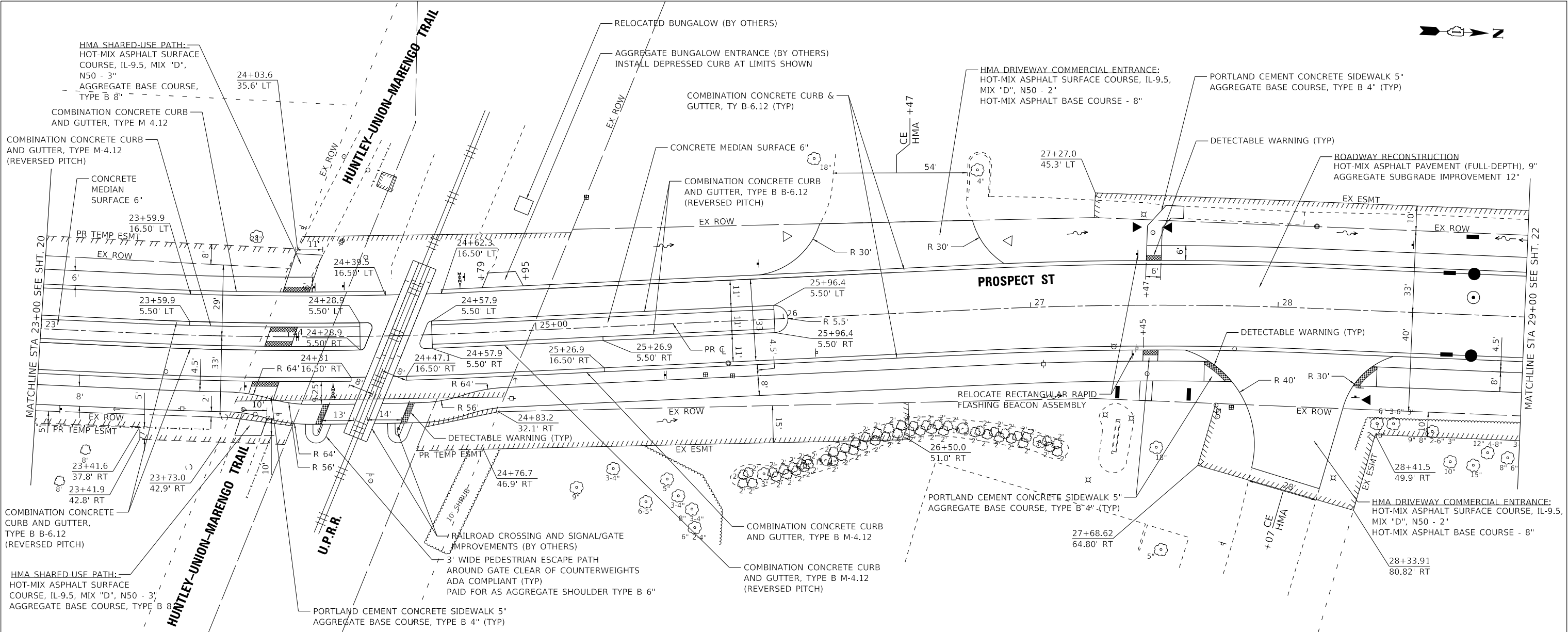
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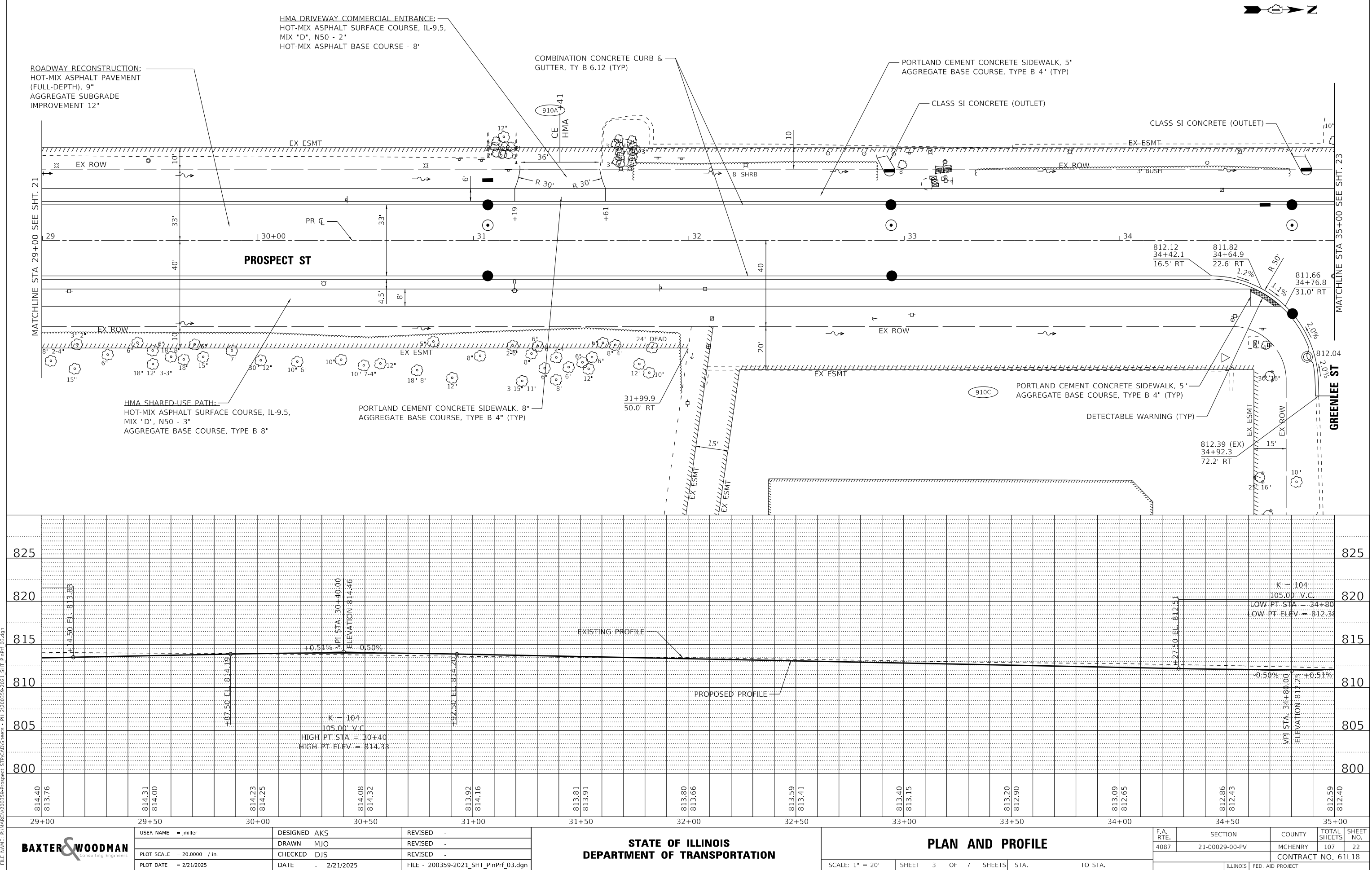
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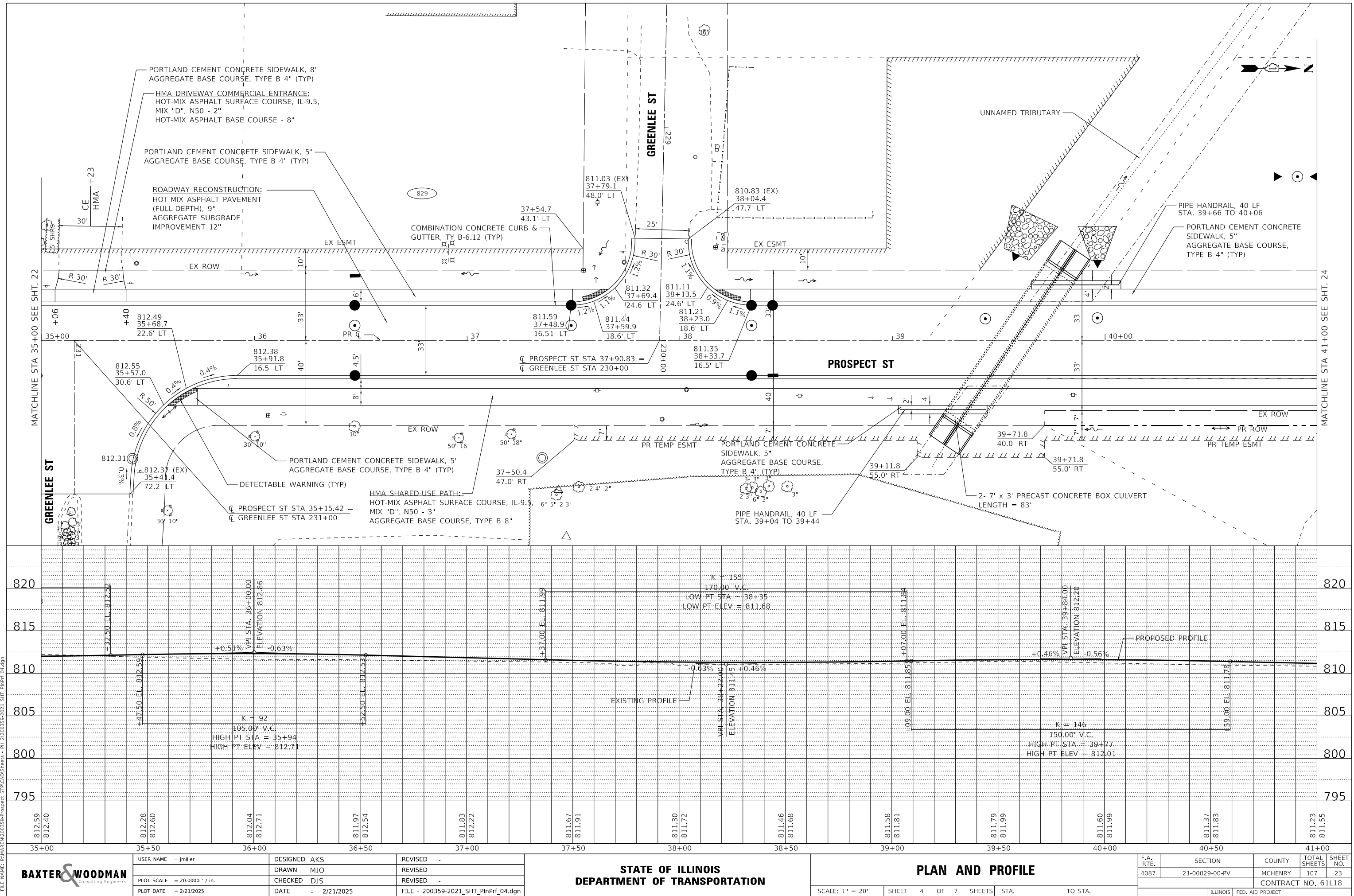


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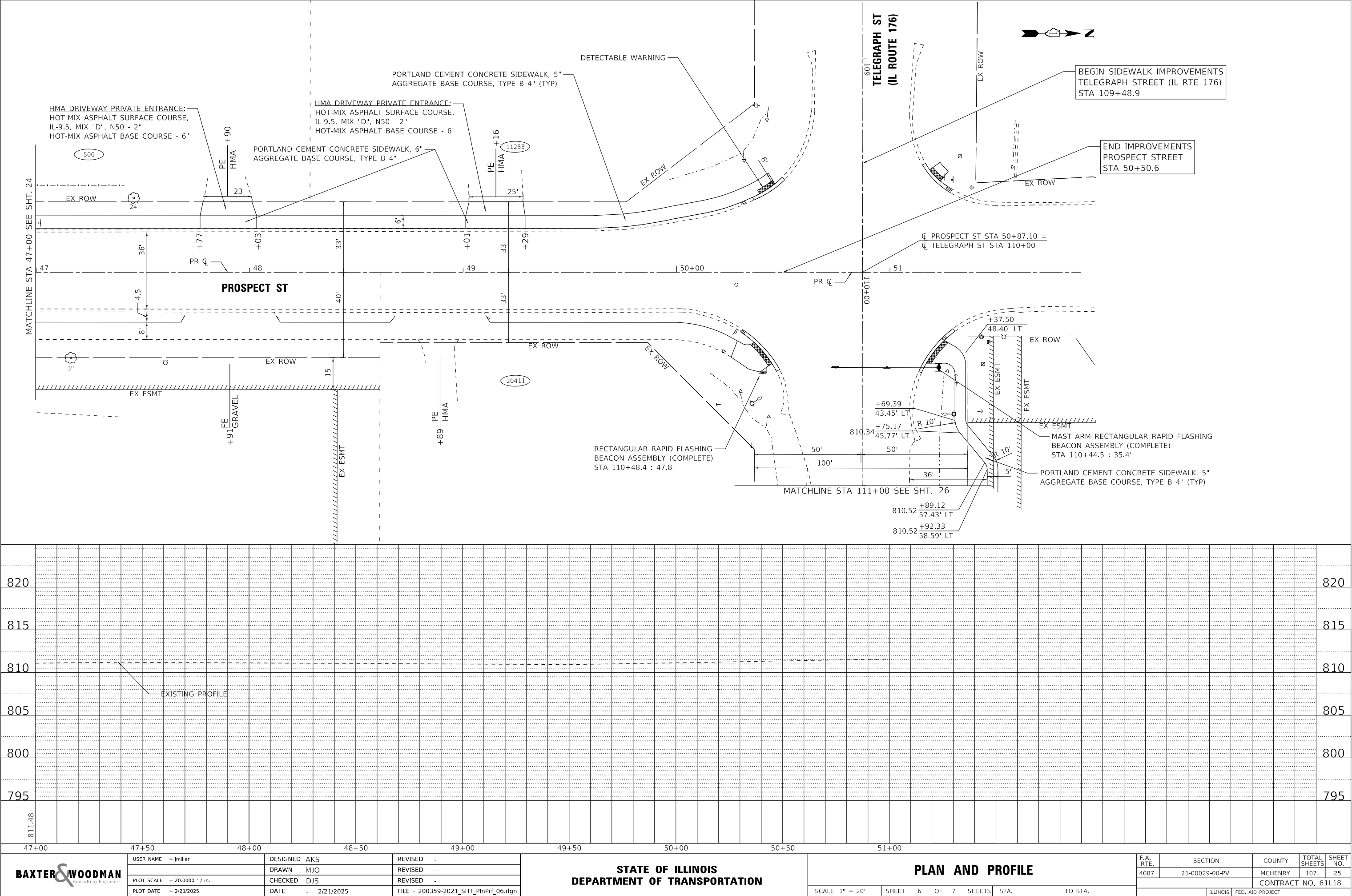
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillier	DESIGNED AKS	REVISED -
DRAWN MJO	REVIS	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

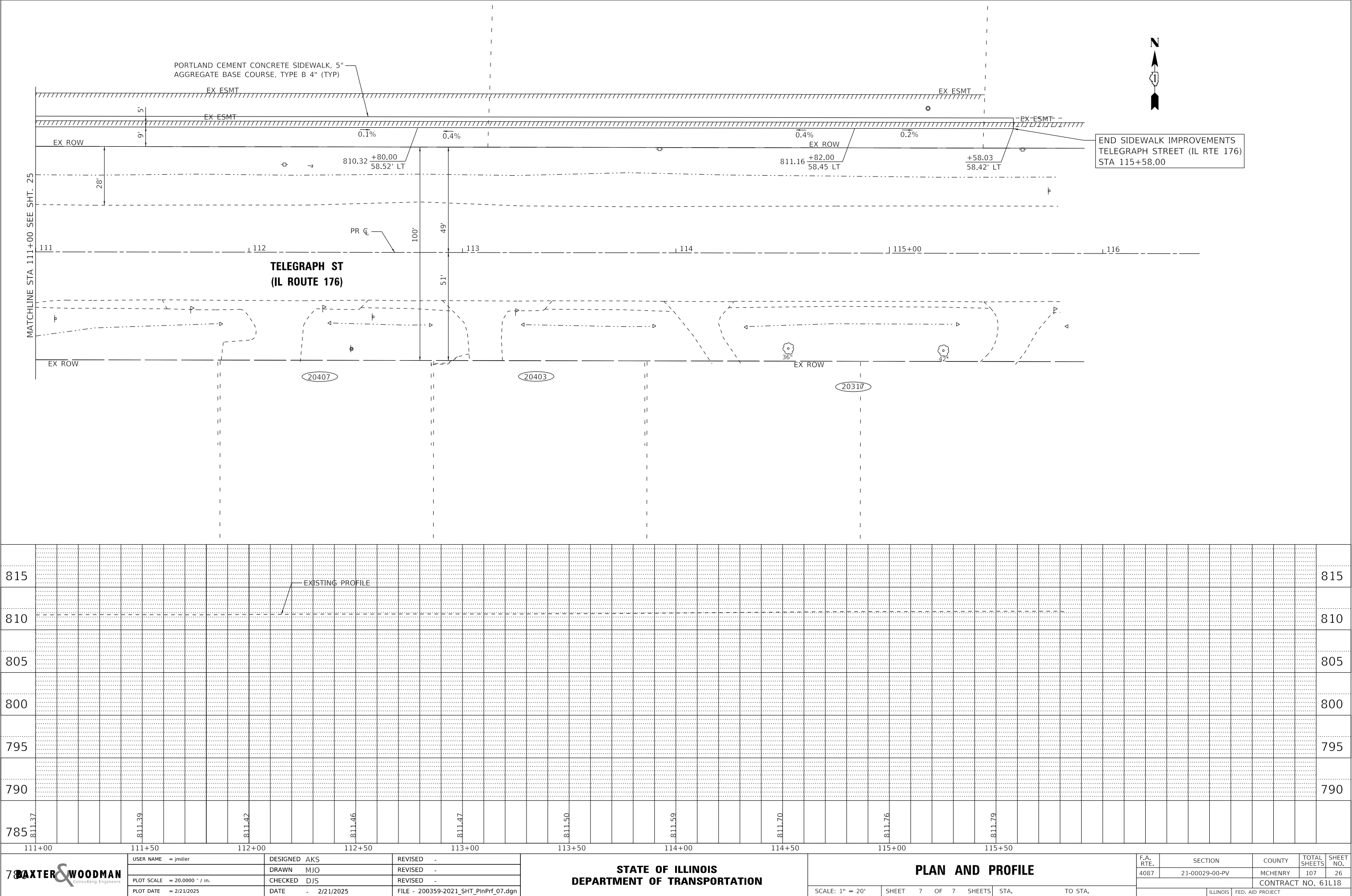
PLAN AND PROFILE

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	25
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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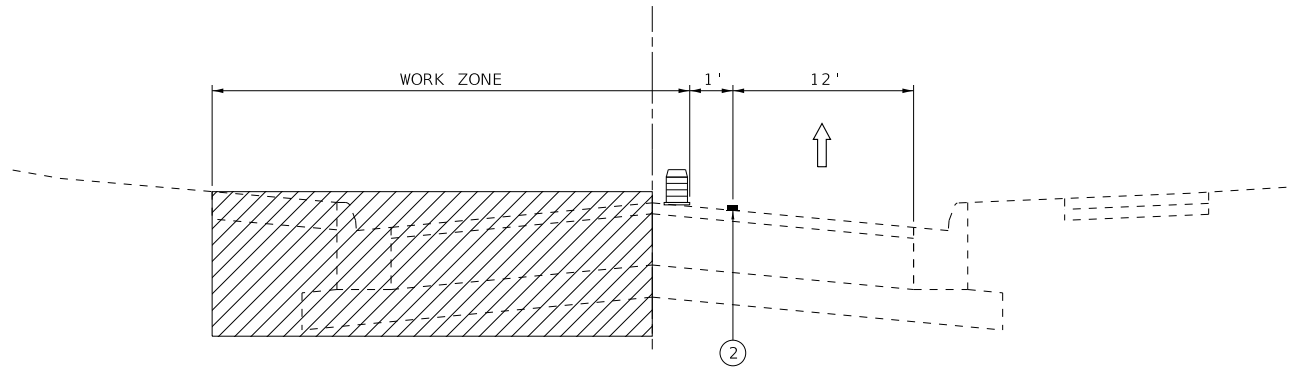
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

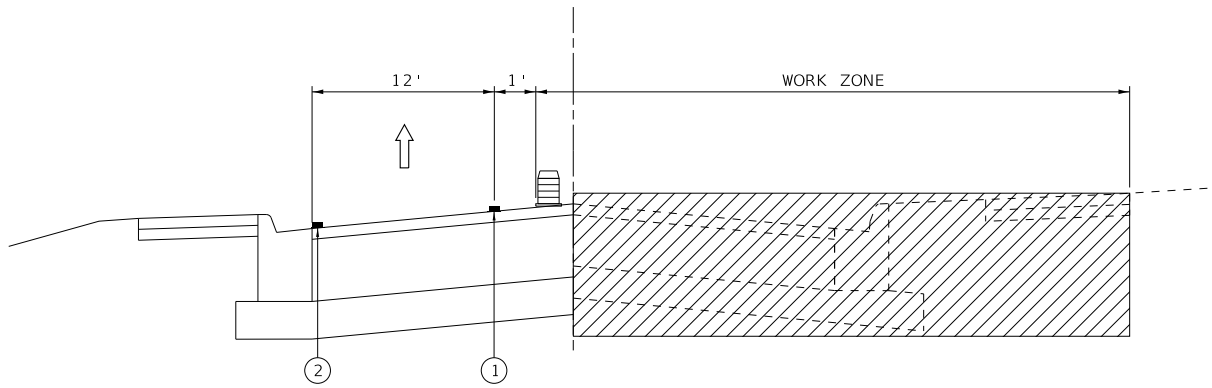
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

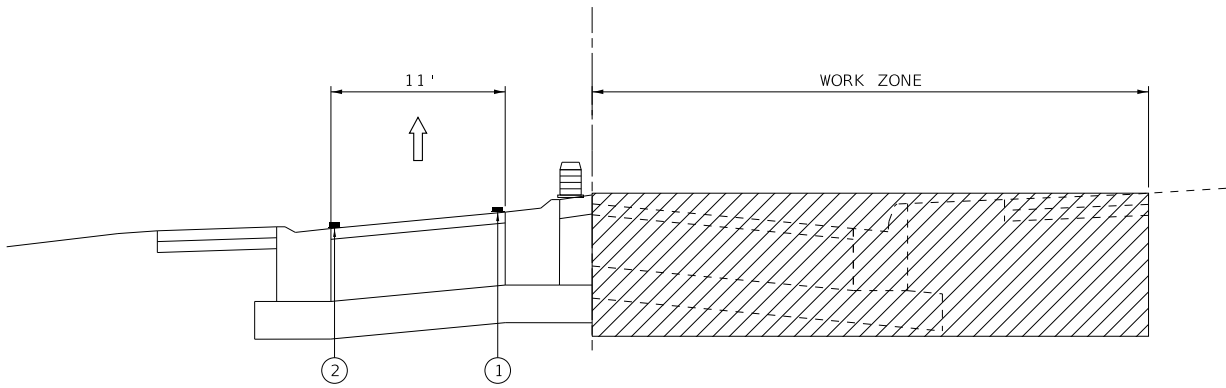


STAGE 1
PROSPECT STREET
STA 20+00 TO STA 45+60
LOOKING NORTH

- LEGEND**
- DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADES OR DRUMS
(SPACED 50' C-C OR AS NOTED BELOW)
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)
 - PROPOSED TEMPORARY PAVEMENT MARKING
 - WORK ZONE
 - TEMPORARY PAVEMENT MARKING LINE - 4" WHITE
 - TEMPORARY PAVEMENT MARKING LINE - 4" YELLOW



STAGE 2
PROSPECT STREET
STA 20+00 TO STA 22+85
STA 26+00 TO STA 45+60
LOOKING NORTH



STAGE 2
PROSPECT STREET
STA 22+85 TO STA 26+00
LOOKING NORTH

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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MAINTENANCE OF TRAFFIC NOTES

1.

THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL DEPICTED HERE IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE CURRENT VERSION OF THE IDOT HIGHWAY STANDARDS, THE CURRENT VERSION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
2.

THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY THE CITY. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO BUSINESSES AND MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE CITY AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK IN ANY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
3.

THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
4.

THE CONTRACTOR WILL BE REQUIRED TO ATTEND WEEKLY PROGRESS MEETINGS WITH THE CITY AND ENGINEER TO PROVIDE THE ENGINEER AND THE CITY WEEKLY UPDATES ON THE PROPOSED WORK SCHEDULE AND UPCOMING SEQUENCE OF CONSTRUCTION ACTIVITIES. THE WORK SCHEDULE AND SEQUENCE OF WORK WILL REQUIRE APPROVAL OF THE CITY AND COORDINATION WITH IMPACTED PROPERTY OWNERS.
5.

THE CONTRACTOR SHALL NOTIFY IDOT AND THE CITY OF MARENGO TEN (10) DAYS IN ADVANCE OF OPERATION OF DETOUR ROUTES.
6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING ALL DETOURS AND ROADWAY CLOSURES WITH THE LOCAL EMERGENCY SERVICES.
7.

THE CONTRACTOR SHALL NOT CLOSE THE RAILROAD CROSSING AND CULVERT CROSSING AT THE SAME TIME. THE PROSPECT ROAD RAILROAD CONSTRUCTION SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE CULVERT.
8.

ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS.
9.

ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR STEEL PLATED AT THE END OF EACH DAY. THE COST OF THIS WORK SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
10.

EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
11.

THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL - WATER BLASTING.
12.

ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DETERMINED BY THE ENGINEER. SUFFICIENT QUANTITIES HAVE BEEN PROVIDED FOR TWO (2) APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS FOR EACH STAGE.
13.

TYPE II BARRICADES, DRUMS AND VERTICAL PANELS SHALL BE PLACED AT 50’ INTERVALS ALONG THE PROPOSED WORK ZONE, 20’ WITHIN TAPERED SECTIONS, AND 10’ WITHIN CURVES/RADII OR AS DETERMINED BY THE ENGINEER.
14.

THE CONTRACTOR SHALL REMOVE OR COVER ALL WORKERS (W21-1) OR FLAGGER (W20-7) SIGNS WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN AN HOUR.
15.

THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
16.

THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND COMMERCIAL DRIVEWAYS AND ENTRANCES AND TO ALL SIDE STREETS DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
17.

ALL COMMERCIAL PROPERTIES AND PARKING LOTS SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN. IF NECESSARY, THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS BY USE OF FLAGGERS DURING CONSTRUCTION WORK HOURS AS DETERMINED BY THE ENGINEER.
18.

CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSURE OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE CITY AT LEAST THREE (3) DAYS PRIOR. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE 48 HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.
19.

THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH IDOT DISTRICT ONE DETAIL TC-26. THIS WORK SHALL BE PAID PER THE DISTRICT ONE DETAIL TC-26. CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN THE CITY RIGHT-OF-WAY IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.
20.

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.

21.

DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12” AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
22.

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

WINTER SHUTDOWN:

THE FOLLOWING SHALL BE COMPLETED PRIOR TO THE END OF THE CONSTRUCTION SEASON:

1.

NO DROP-OFFS AT THE EDGES OF PAVEMENT WILL BE ALLOWED
2.

TEMPORARY TAPE USED FOR TEMPORARY PAVEMENT MARKING SHALL BE REPLACED WITH TEMPORARY MODIFIED URETHANE PAVEMENT MARKINGS PRIOR TO WINTER SHUTDOWN.
3.

AGGREGATE SURFACES USED FOR TEMPORARY ACCESS SHALL BE REPLACED WITH HOT-MIX ASPHALT SURFACE COURSE UTILIZING PAY ITEM TEMPORARY ACCESS (WINTERIZE).

SUGGESTED SEQUENCE OF CONSTRUCTION

PRESTAGE

1.

IMPLEMENT DETOUR FOR NORTHBOUND AND SOUTHBOUND PROSPECT STREET TRAFFIC.
2.

REPLACE CLUVERT.
3.

OPEN CULVERT CROSSING TO TWO-WAY TRAFFIC.
4.

RECONSTRUCT RAILROAD CROSSING.
5.

CONSTRUCT STORM SEWER, CURB AND GUTTER, MEDIAN, AND PAVEMENT THROUGH BINDER COURSE FROM STA. 21+80 TO 27+00. CONSTRUCT TEMPORARY PAVEMENT.
6.

OPEN RAILROAD CROSSING TO TWO WAY TRAFFIC.

STAGE 1

1.

ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
2.

IMPLEMENT DETOUR FOR SOUTHBOUND PROSPECT STREET TRAFFIC.
3.

ESTABLISH LANE CLOSURE AND MAINTAIN ONE (1) 12 FOOT LANE FOR NORTHBOUND TRAFFIC.
4.

REMOVE PAVEMENT, CURB AND GUTTER, AND SIDEWALK ON WEST SIDE OF PROSPECT STREET.
5.

CONSTRUCT STORM SEWER.
6.

CONSTRUCT CURB AND GUTTER, MEDIAN, AND PAVEMENTC THROUGH BINDER COURSE.
7.

CONSTRUCT SIDEWALK.

STAGE 2

1.

MAINTAIN DETOUR FOR SOUTHBOUND PROSPECT STREET TRAFFIC.
2.

ESTABLISH LANE CLOSURE AND SHIFT AND MAINTAIN ONE (1) 12 FOOT LANE FOR NORTHBOUND TRAFFIC.
3.

REMOVE PAVEMENT, CURB AND GUTTER, AND SIDEWALK ON EAST SIDE OF PROSPECT STREET.
4.

CONSTRUCT STORM SEWER.
5.

CONSTRUCT CURB AND GUTTER, MEDIAN, AND PAVEMENT THROUGH BINDER COURSE.
6.

CONSTRUCT SIDEWALK.
7.

OPEN PROSPECT STREET TO TWO-WAY TRAFFIC AND REMOVE DETOUR.

STAGE 3

1.

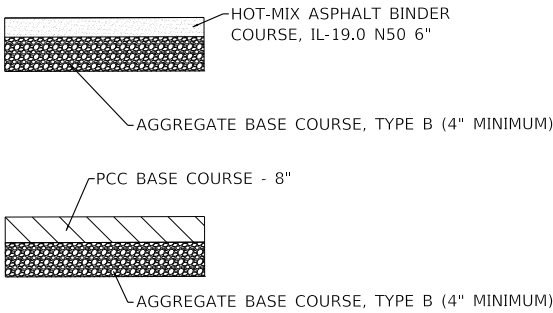
INSTALL SURFACE COURSE.
2.

INSTALL PERMANENT PAVEMENT MARKINGS.
3.

REMOVE TREE PROTECTION AND RESTORE PARKWAY.
4.

COMPLETE PUNCHLIST ITEMS.
5.

DAYTIME CLOSURES WILL BE ALLOWED AS APPROVED BY THE ENGINEER ACCORDING TO HIGHWAY STANDARDS 701006 FOR OFF-ROAD OPERATIONS AND STANDARD 701501 FOR DAY TIME LANE CLOSURES.



TEMPORARY PAVEMENT

(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)

NOTE: IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT, THE PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

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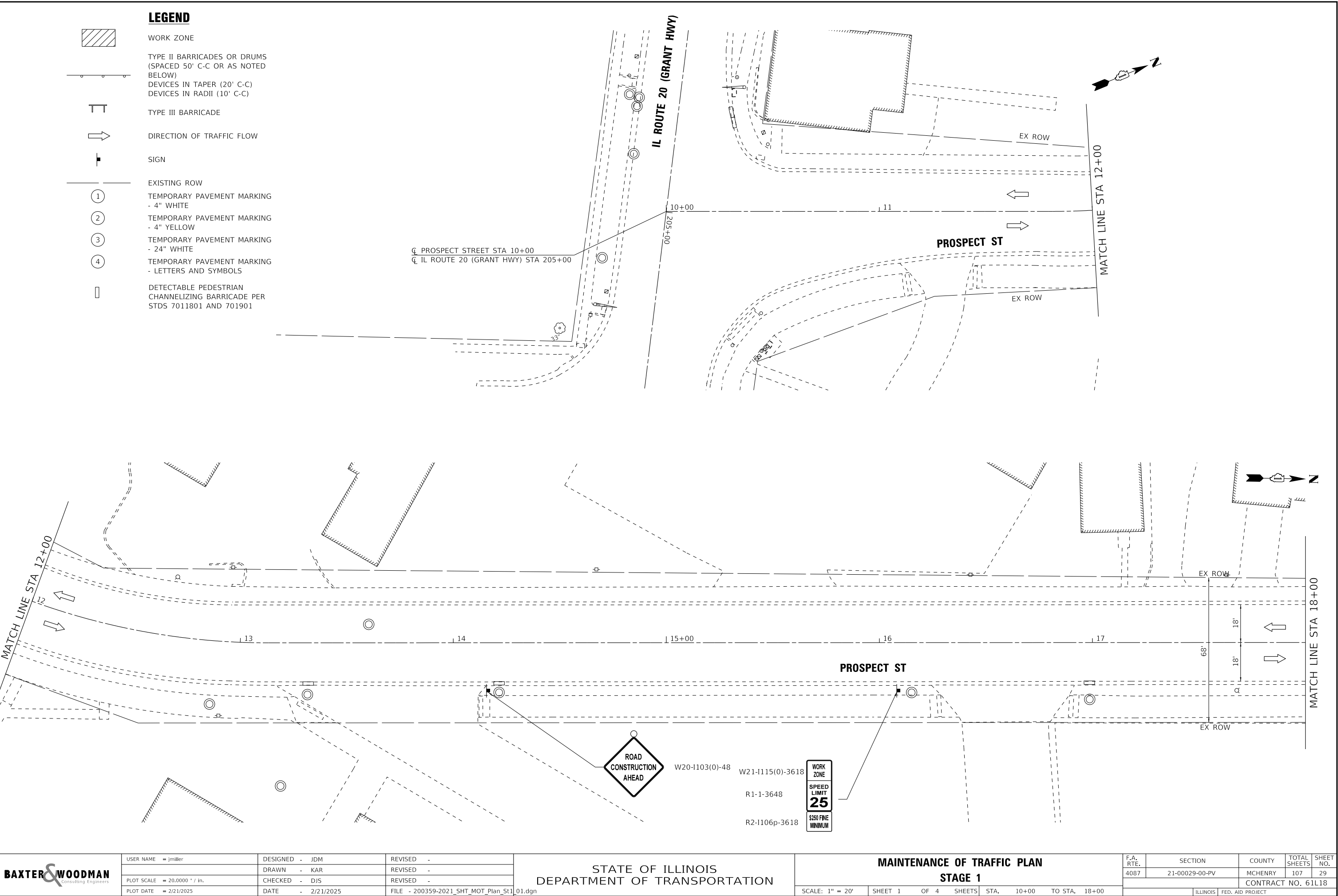
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DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC NOTES

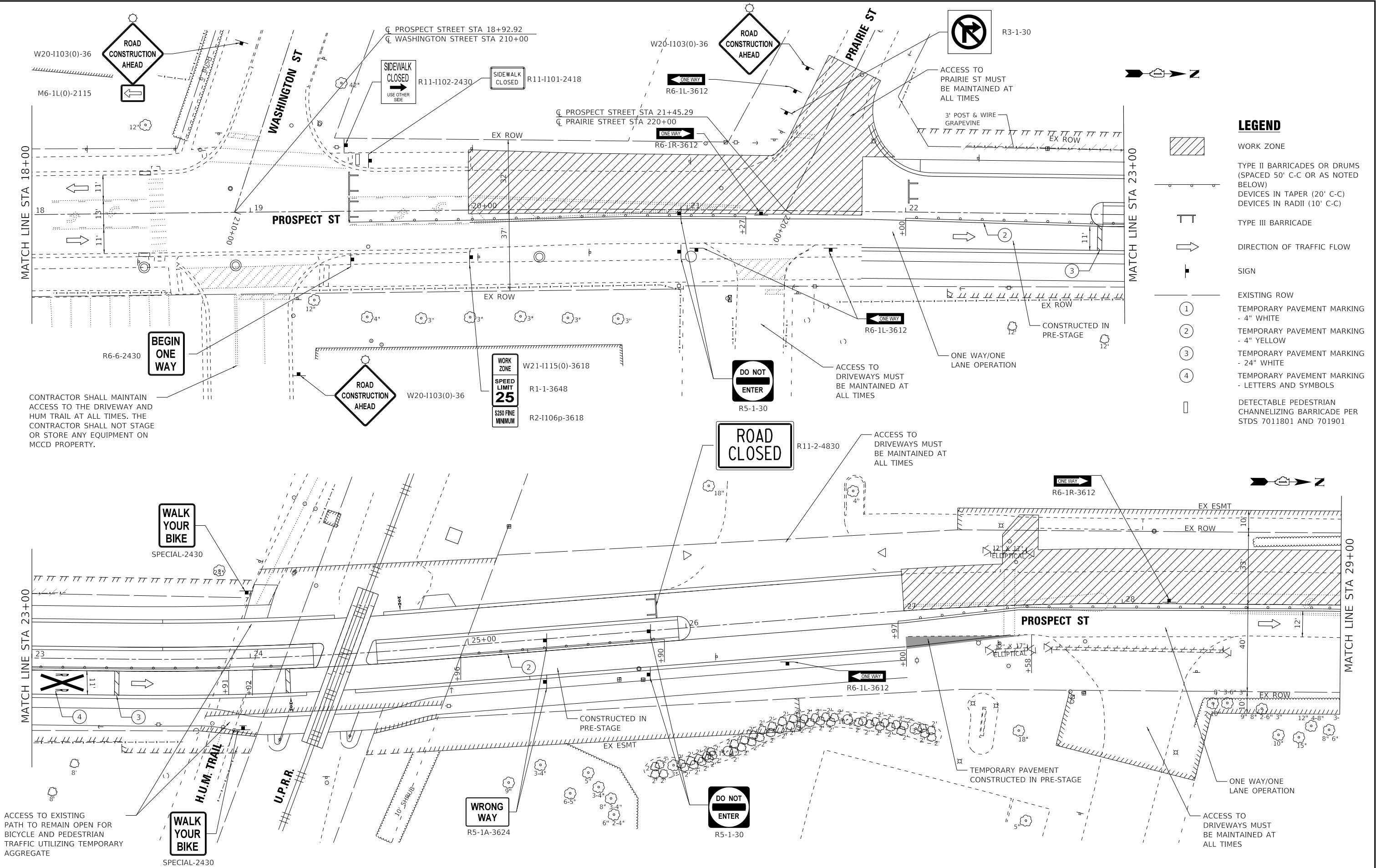
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CONTRACT NO. 61L18				
		ILLINOIS	FED. AID PROJECT	

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LEGEND

WORK ZONE

TYPE II BARRICADES OR DRUMS
(SPACED 50' C-C OR AS NOTED
BELOW)
DEVICES IN TAPER (20' C-C)
DEVICES IN RADII (10' C-C)

TYPE III BARRICADE

DIRECTION OF TRAFFIC FLOW

SIGN

EXISTING ROW

TEMPORARY PAVEMENT MARKING
- 4" WHITE

TEMPORARY PAVEMENT MARKING
- 4" YELLOW

TEMPORARY PAVEMENT MARKING
- 24" WHITE

TEMPORARY PAVEMENT MARKING
- LETTERS AND SYMBOLS

DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE PER
STDs 7011801 AND 701901

BAXTER & WOODMAN
Consulting Engineers

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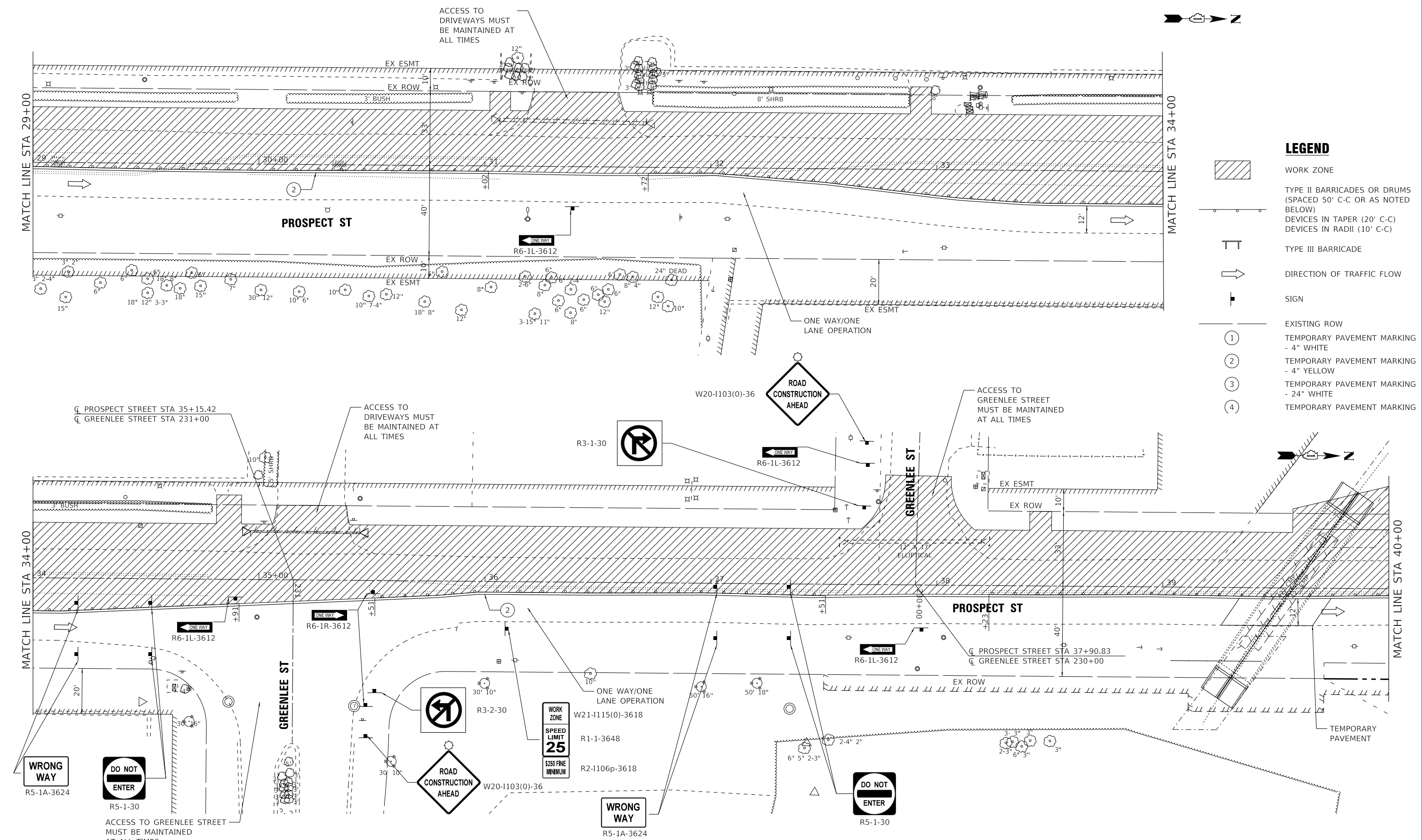
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN STAGE 1

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

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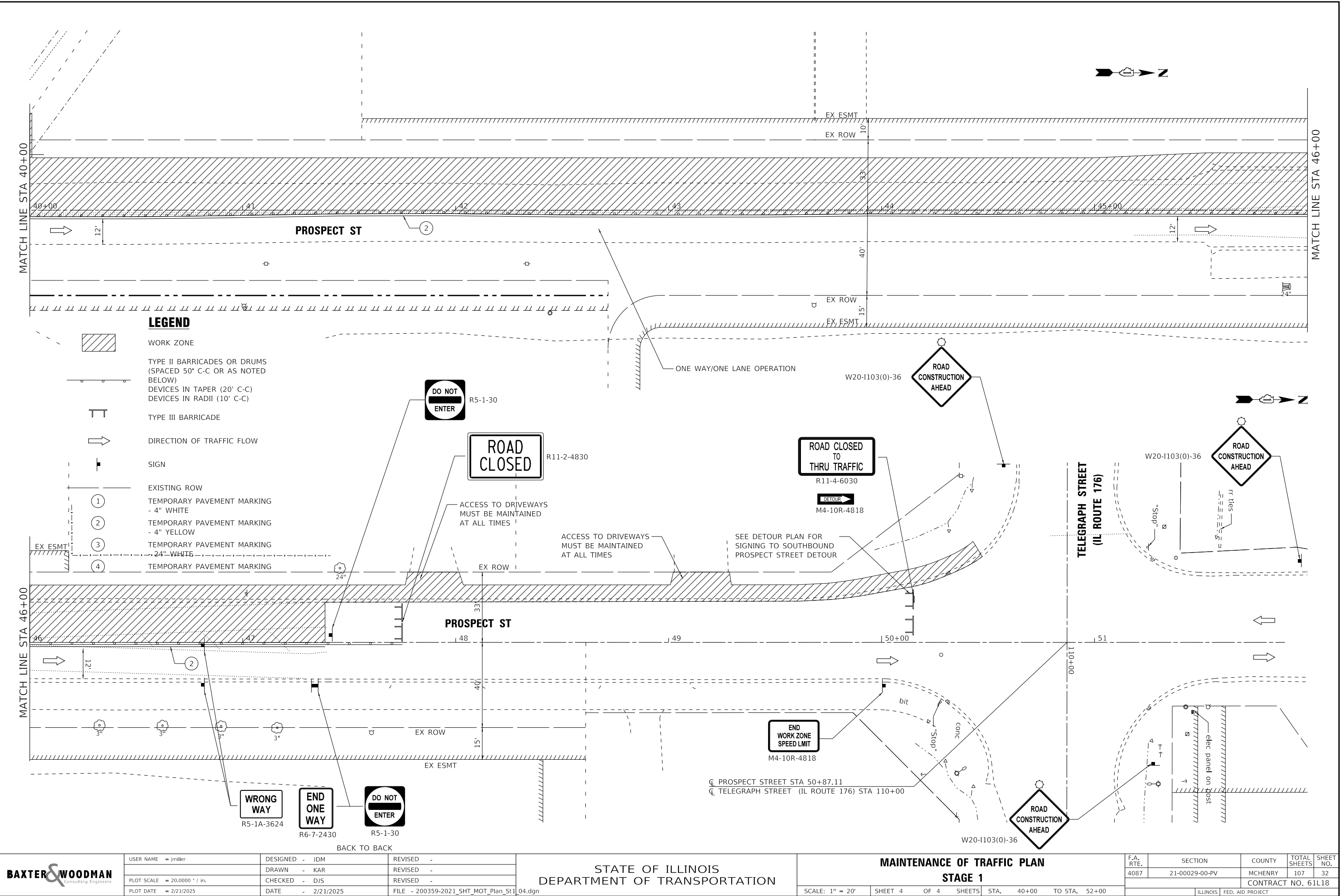


LEGEND

- WORK ZONE
- TYPE II BARRICADES OR DRUMS (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (20' C-C)
- DEVICES IN RADII (10' C-C)
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC FLOW
- SIGN
- EXISTING ROW
- TEMPORARY PAVEMENT MARKING - 4" WHITE
- TEMPORARY PAVEMENT MARKING - 4" YELLOW
- TEMPORARY PAVEMENT MARKING - 24" WHITE
- TEMPORARY PAVEMENT MARKING

BAXTER & WOODMAN consulting Engineers	USER NAME = jrmiller		DESIGNED - JDM		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN STAGE 1						F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
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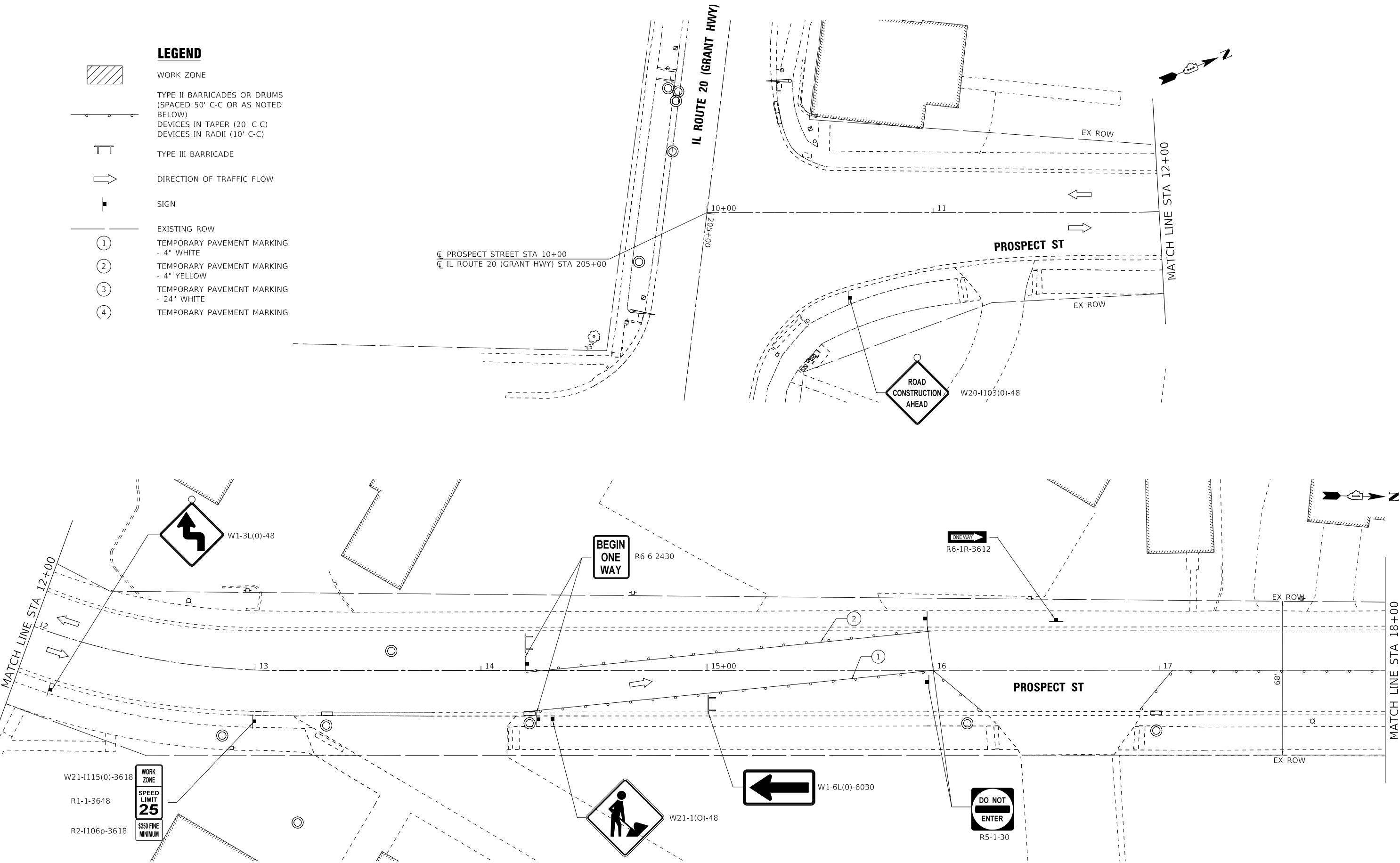
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
STAGE 2

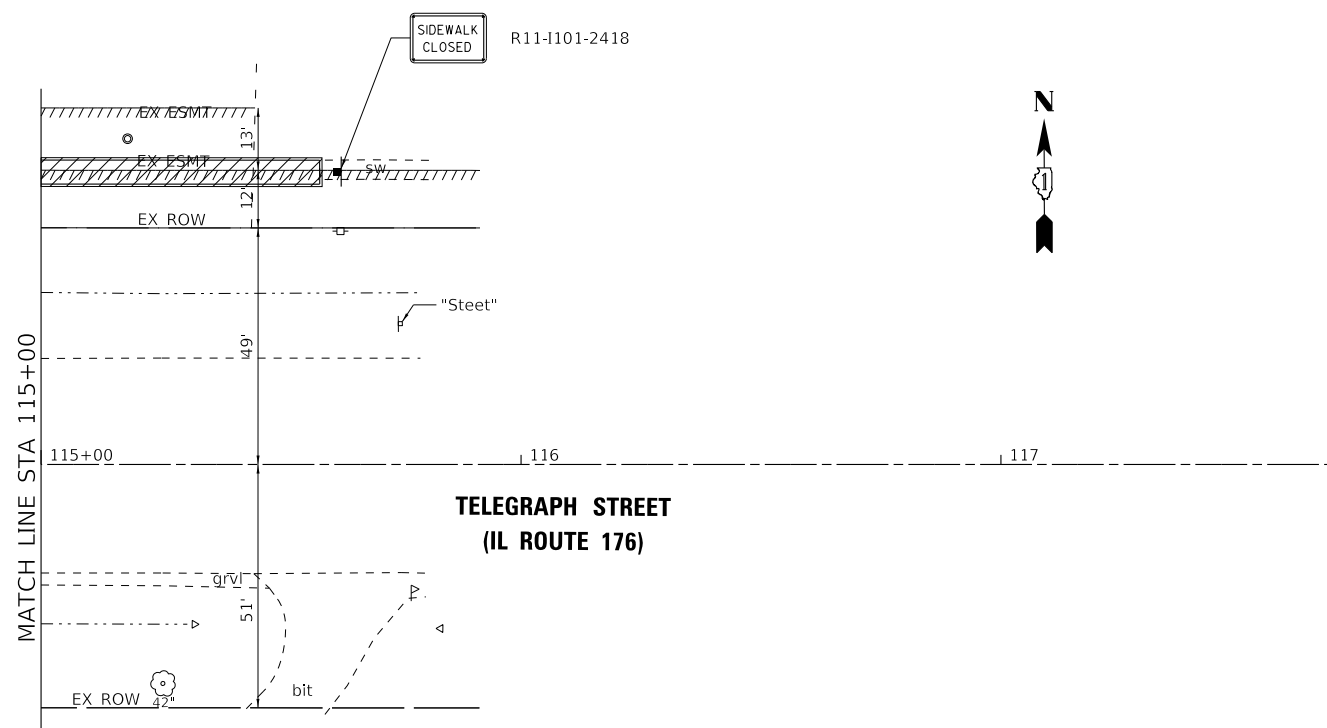
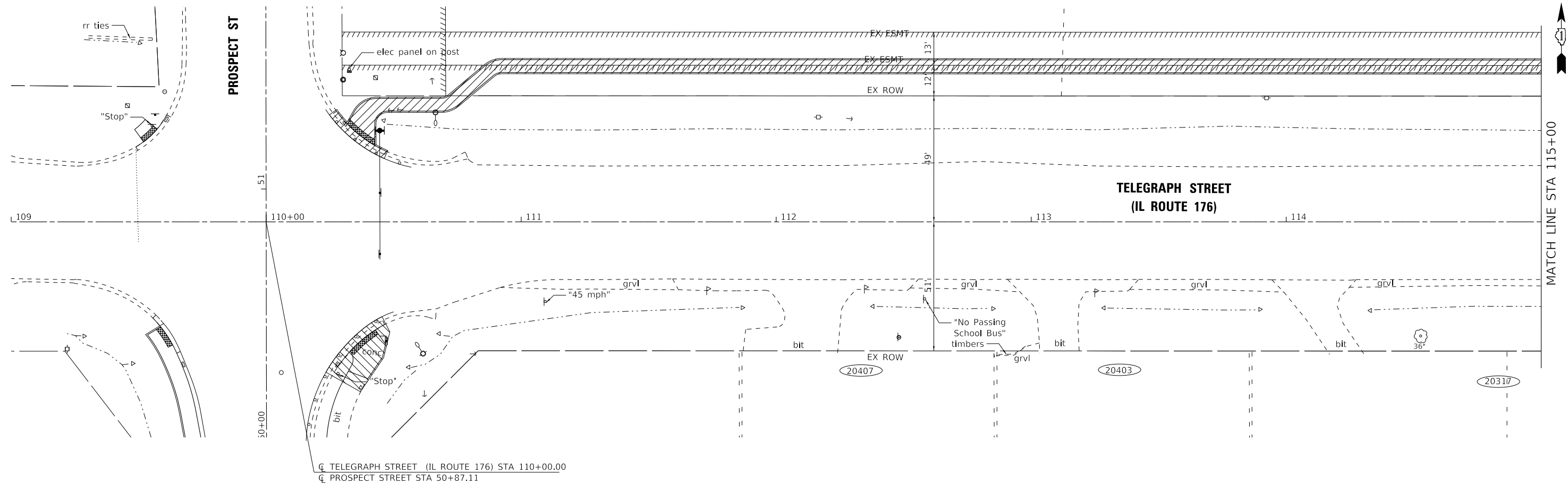
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CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				



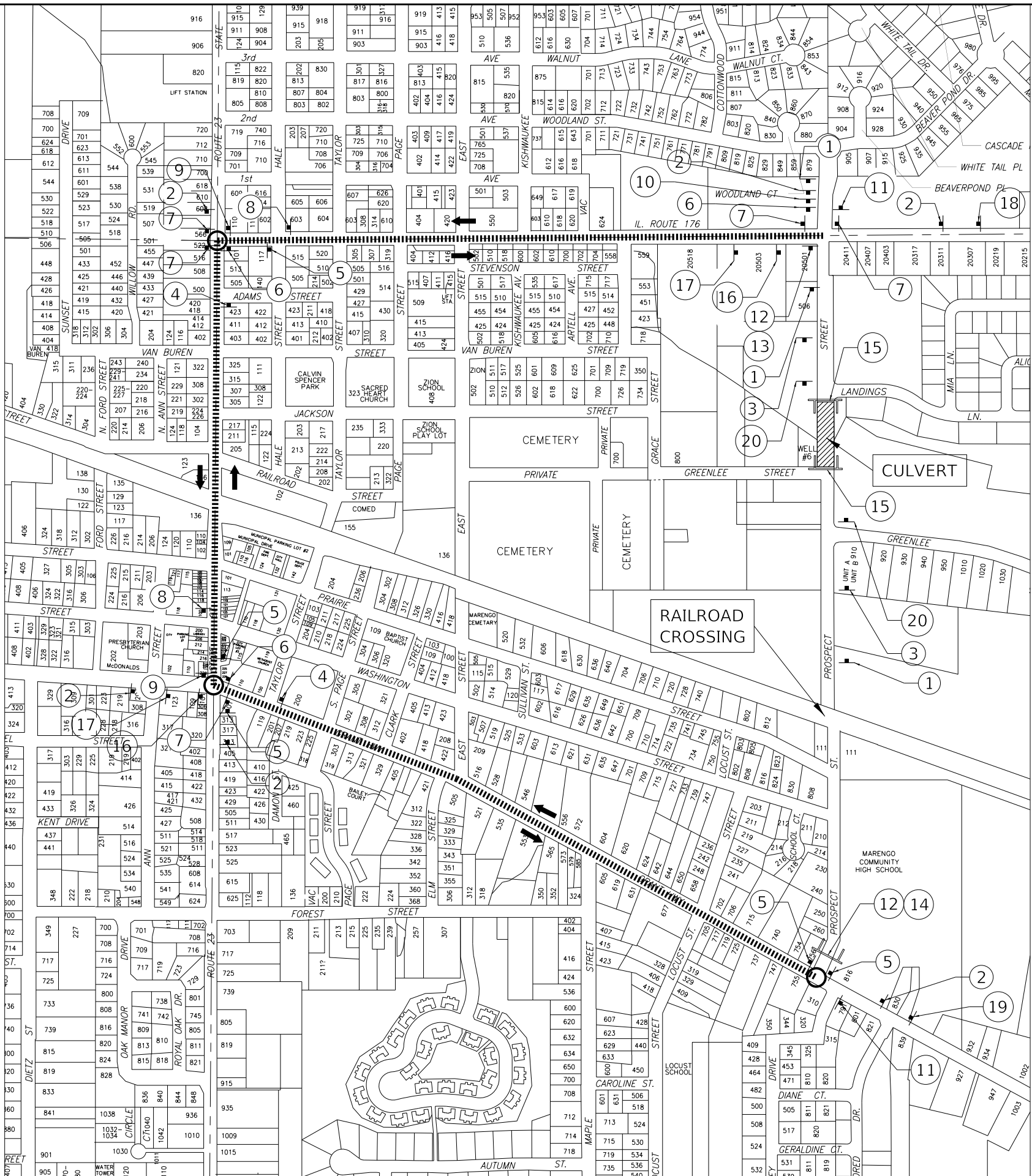
LEGEND

- WORK ZONE
- TYPE II BARRICADES OR DRUMS (SPACED 50' C-C OR AS NOTED BELOW)
- DEVICES IN TAPER (20' C-C)
- DEVICES IN RADII (10' C-C)
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC FLOW
- SIGN
- EXISTING ROW
- TEMPORARY PAVEMENT MARKING - 4" WHITE
- TEMPORARY PAVEMENT MARKING - 4" YELLOW
- TEMPORARY PAVEMENT MARKING - 24" WHITE
- TEMPORARY PAVEMENT MARKING

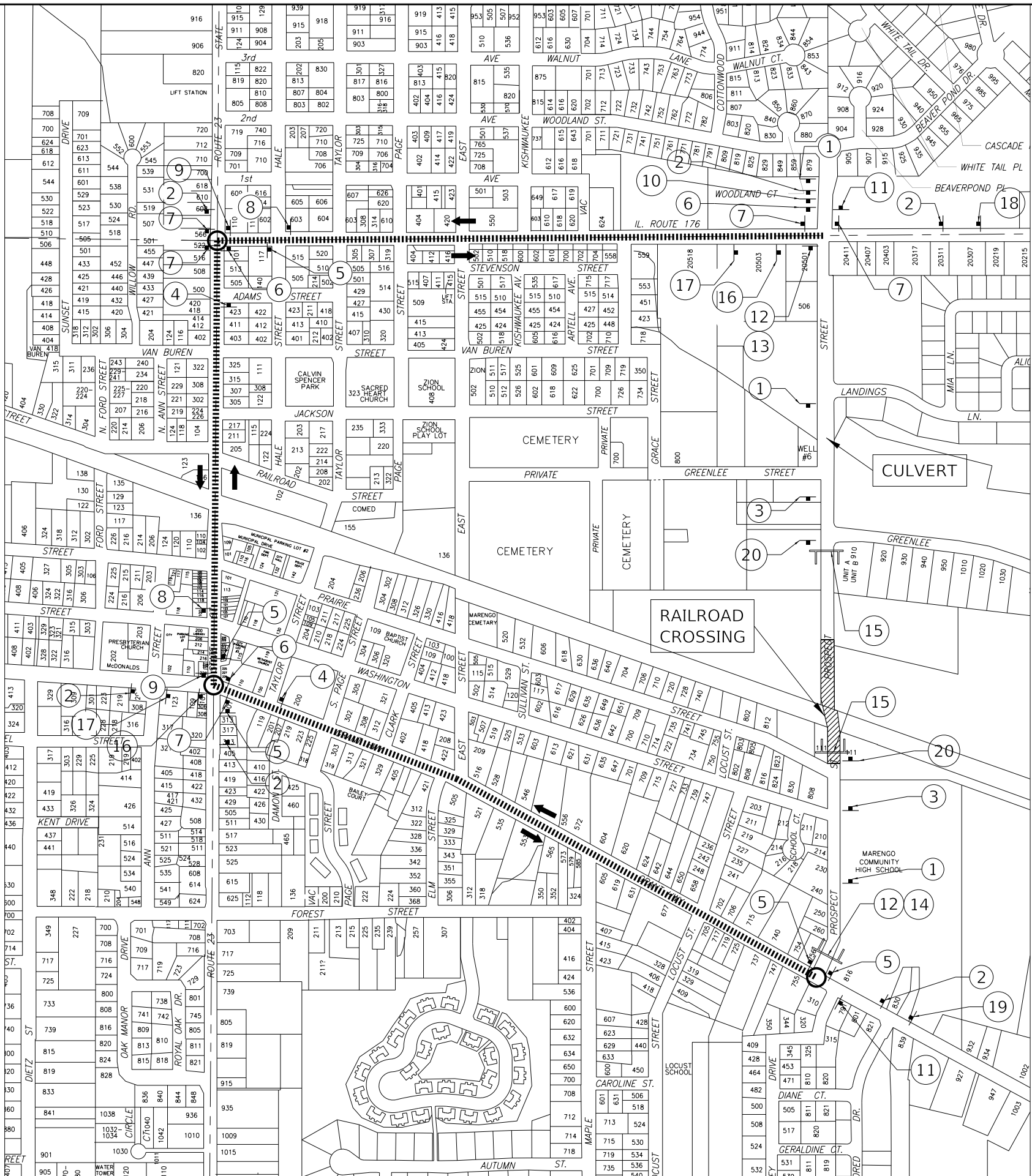


LEGEND

- | | |
|---|--|
|  | WORK ZONE |
|  | TYPE II BARRICADES OR DRUMS
(SPACED 50' C-C OR AS NOTED
BELOW) |
|  | DEVICES IN TAPER (20' C-C) |
|  | DEVICES IN RADII (10' C-C) |
|  | TYPE III BARRICADE |
|  | DIRECTION OF TRAFFIC FLOW |
|  | SIGN |
|  | EXISTING ROW |
|  | TEMPORARY PAVEMENT MARKING
- 4" WHITE |
|  | TEMPORARY PAVEMENT MARKING
- 4" YELLOW |
|  | TEMPORARY PAVEMENT MARKING
- 24" WHITE |
|  | TEMPORARY PAVEMENT MARKING |

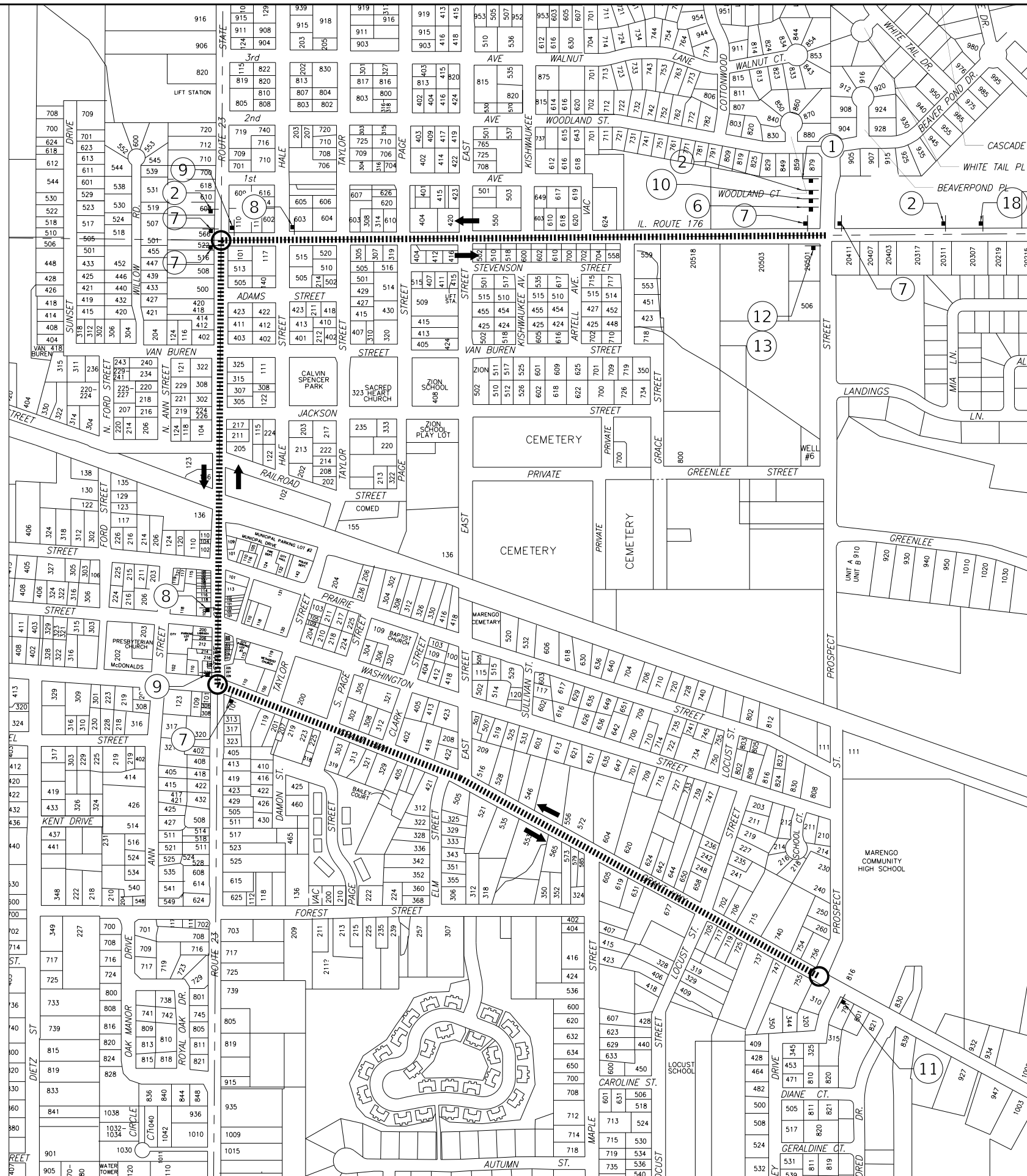
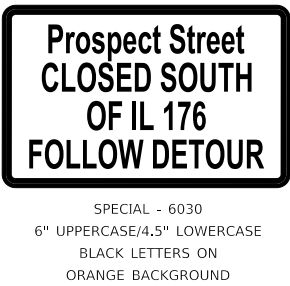


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|---|---|---|
|  |  | WORK ZONE |
|  |  | DETOUR ROUTE |
| |  | DIRECTION OF TRAFFIC |
| |  | SIGN |
| |  | TYPE III BARRICADE |
| |  | TEMPORARY TRAFFIC SIGN
TIMING REQUIRED |

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	39
		CONTRACT NO. 61L18		
ILLINOIS		FED. AID PROJECT		



- LEGEND**

	WORK ZONE
	DETOUR ROUTE
	DIRECTION OF TRAFFIC
	SIGN
	TYPE III BARRICADE
	TEMPORARY TRAFFIC SIGNAL
	TIMING REQUIRED

MAINTENANCE OF TRAFFIC

DETOUR PLAN – STAGE 1 AND STAGE 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SOIL EROSION AND SEDIMENT CONTROL NOTES

1. CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL UNLESS STATED OTHERWISE

2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.

3. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

4. STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

5. NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

6. OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

7. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY ARFAS.

8. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW:

a. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND

b. IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

9. DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.

10. PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

11. THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

12. IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP OR AN EQUIVALENT CONTROL MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

13. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.

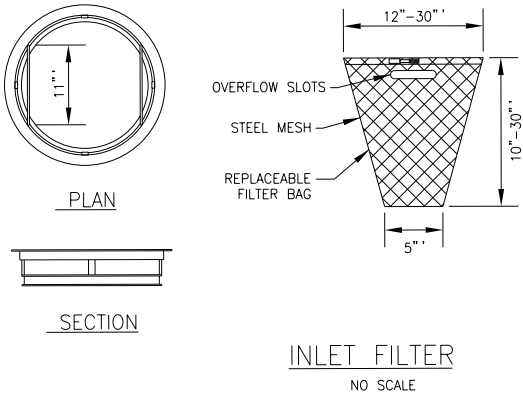
14. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN ISOLATED WATERS OF MCHENRY COUNTY (IWMC) OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

15. EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:

a. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER; AND

b. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELOPMENT SITE TO PRECIPITATION AND TO STORMWATER.

16. ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICANT SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, OR IWMC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
17. THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPMENT SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.



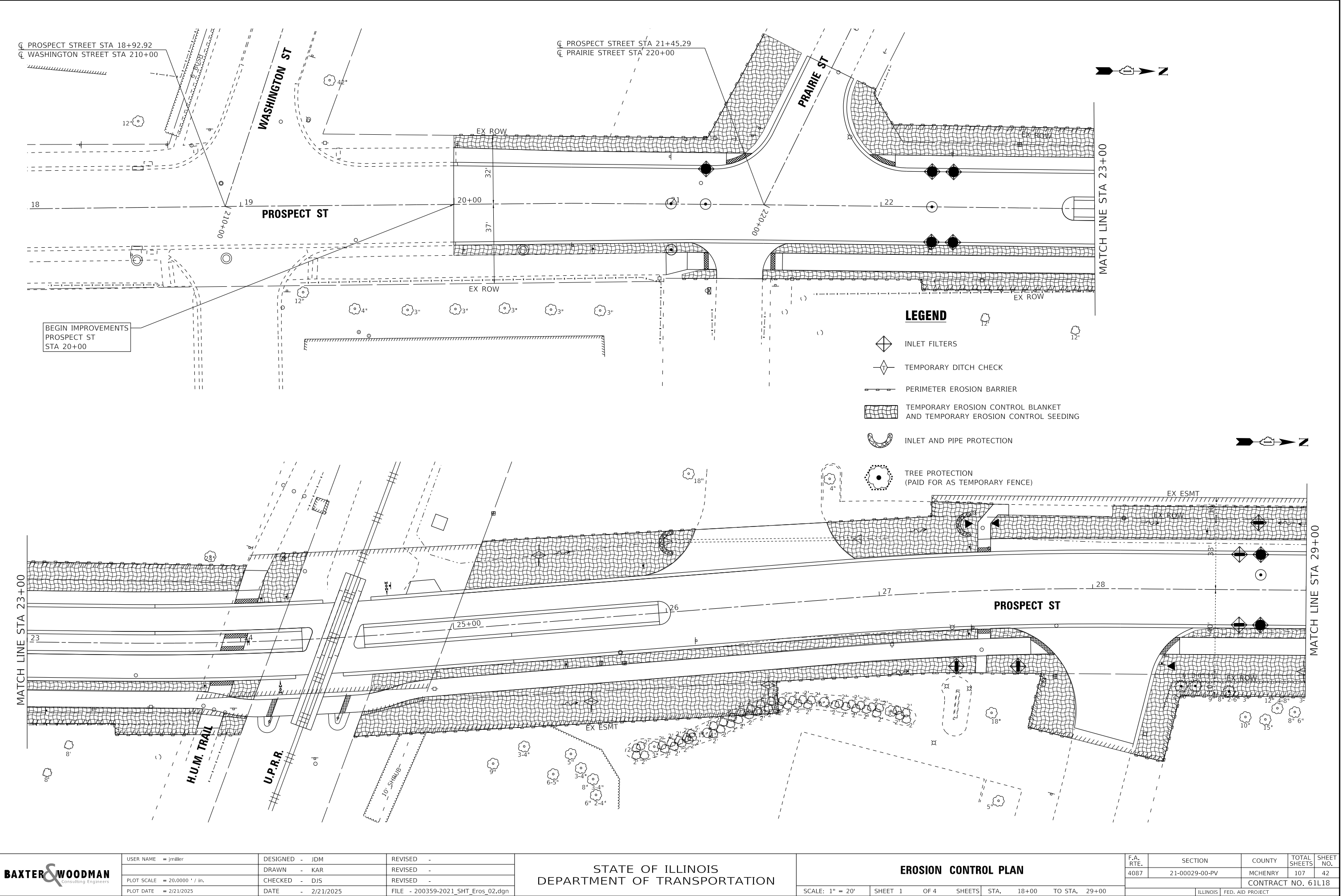
GENERAL NOTES:
FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE.
BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL.
HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

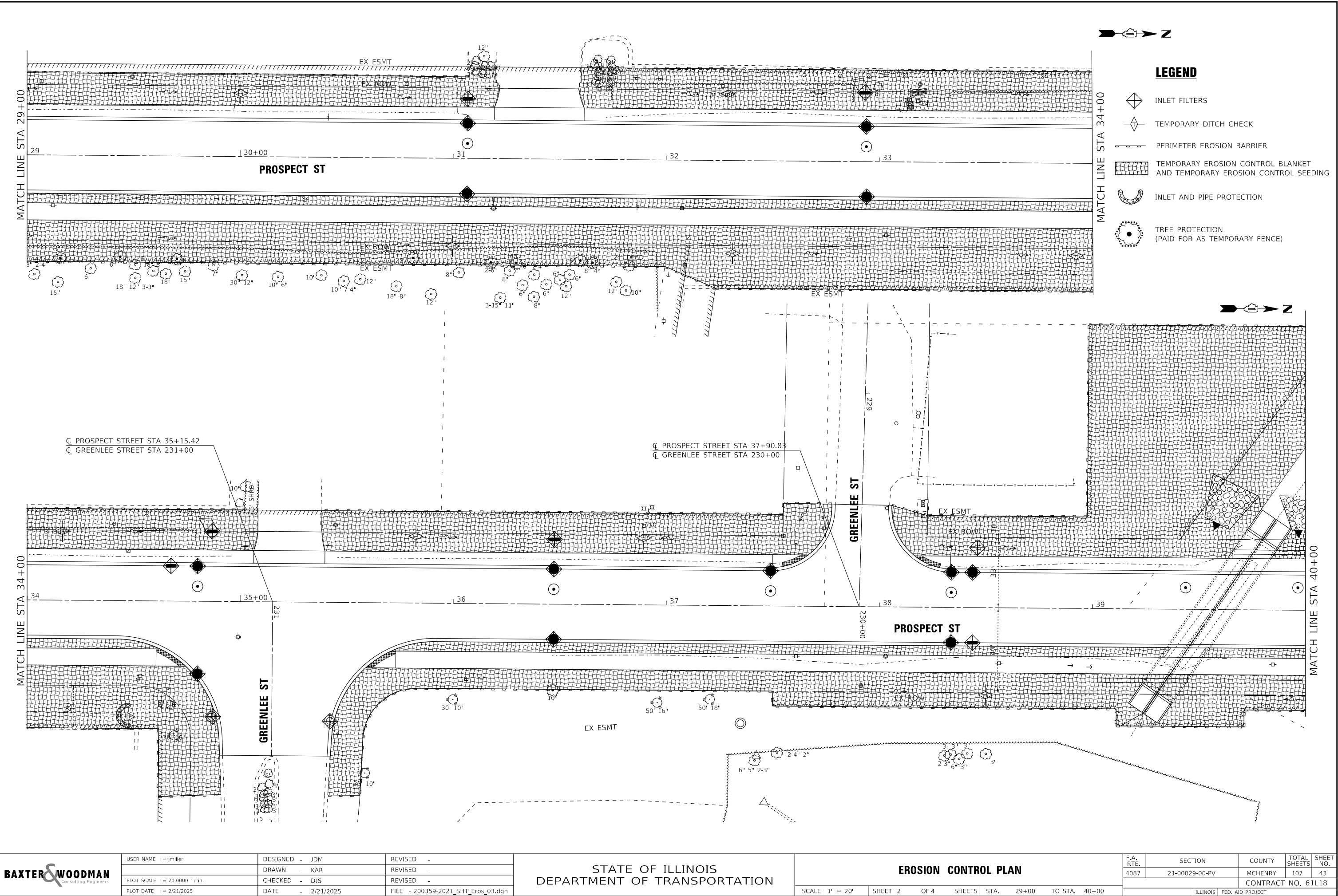
STEEL MESH: REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA.

BAXTER & WOODMAN Consulting Engineers	USER NAME = jmiller	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL NOTES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -					4087	21-00029-00-PV	MCHENRY	107	41
	PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_ErosNotes.dgn		SCALE: N/A	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

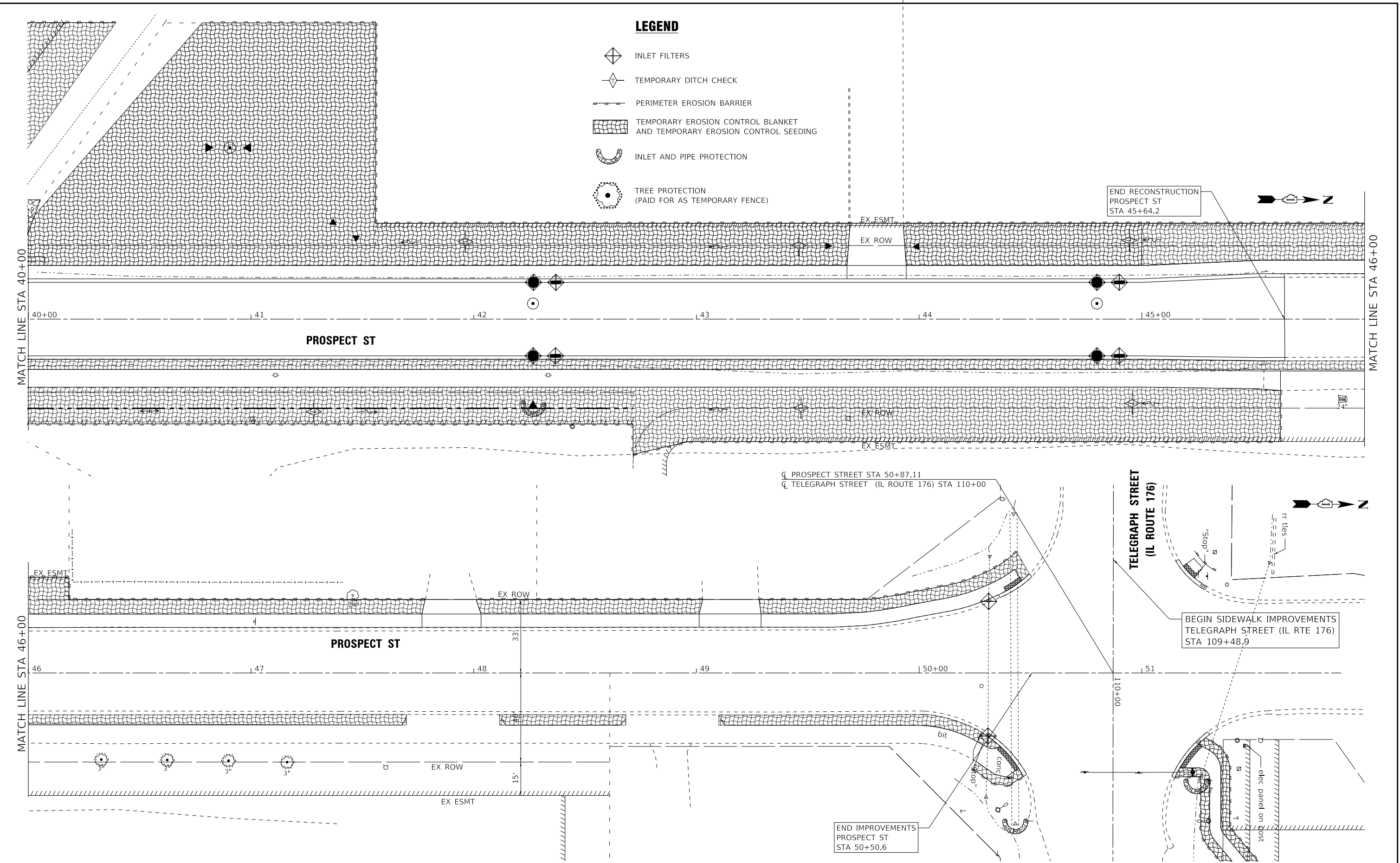
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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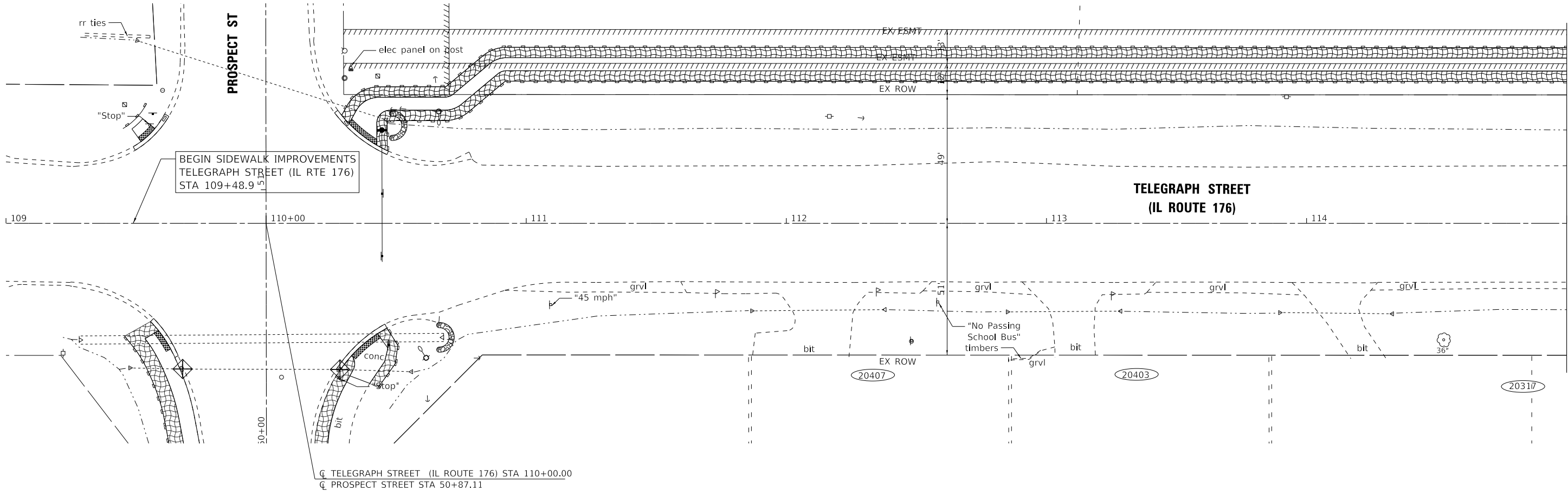
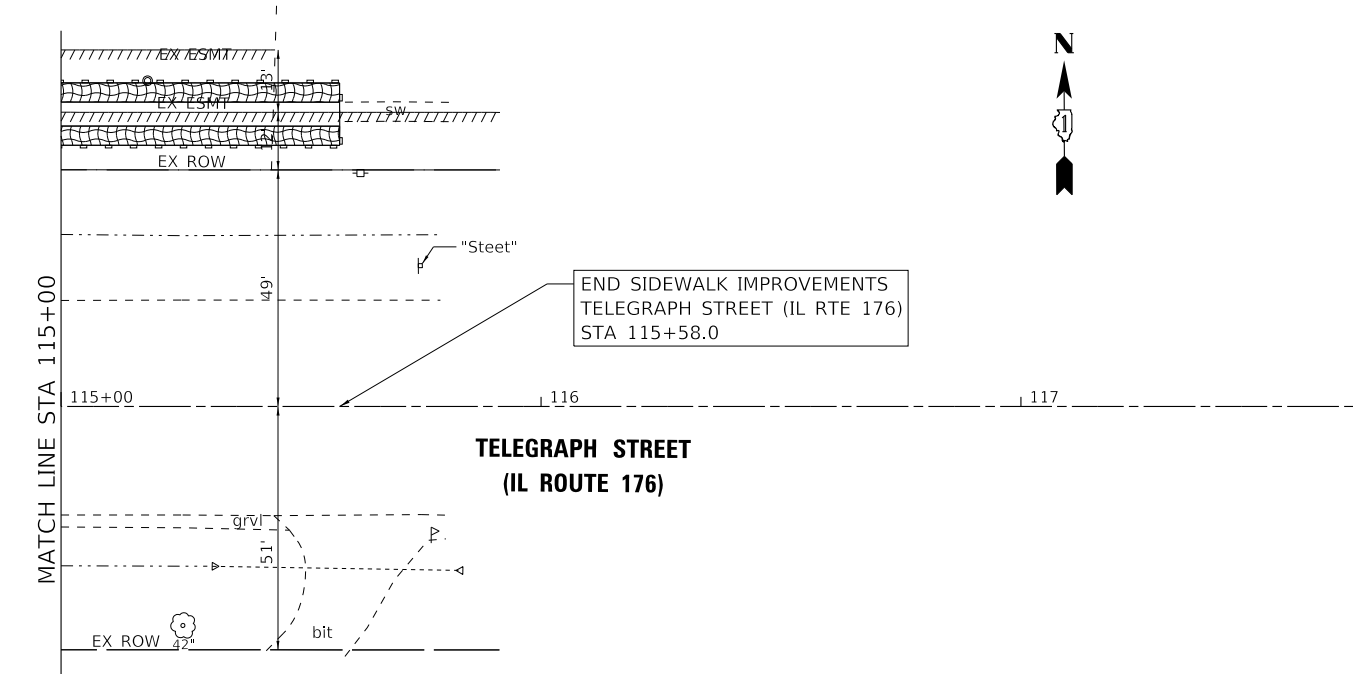
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN			
SCALE: 1" = 20'	SHEET 3	OF 4	SHEETS
STA. 40+00	TO STA. 52+00		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	44
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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LEGEND

- INLET FILTERS
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING
- INLET AND PIPE PROTECTION
- TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)

BAXTER & WOODMAN Consulting Engineers	USER NAME = jrmiller	DESIGNED - JDM	REVISED -
		DRAWN - KAR	REVISED -
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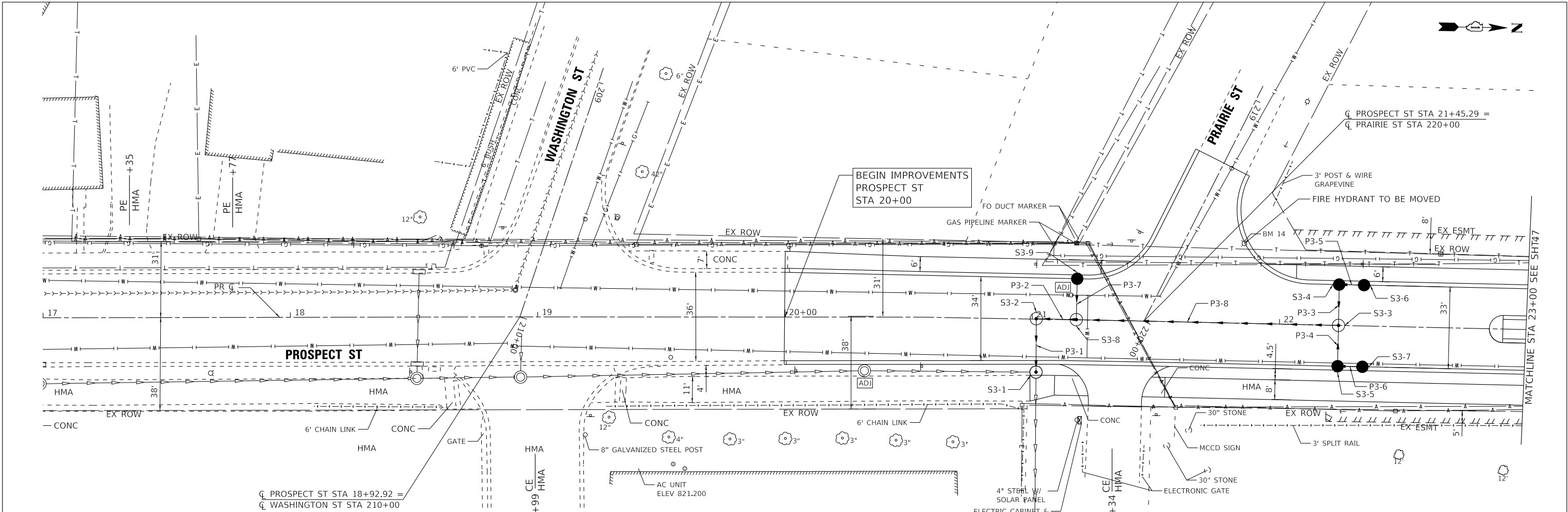
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 109+00 TO STA. 117+70

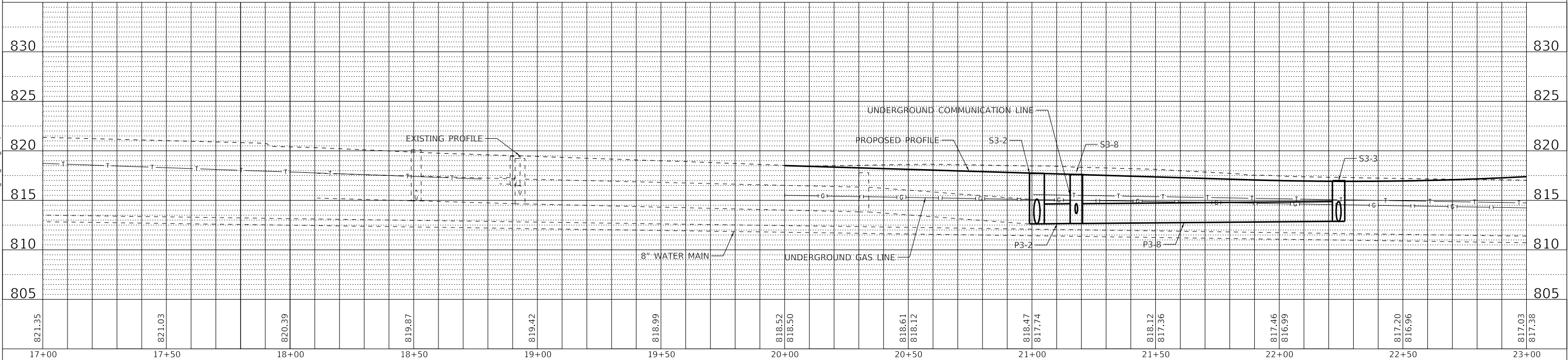
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	45
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

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STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S3-1	21+02	21.6' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	817.86	812.58 EX 30" E	812.58 30" W	812.60 EX 30" S
S3-2	21+02	CL	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	817.74	812.62 30" E	812.62 24" N	
S3-3	22+24	CL	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	816.98	812.87 24" S	812.87 24" E	812.87 24" W
S3-4	22+24	16.5' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	816.73	812.89 24" E	813.39 18" N	
S3-5	22+24	16.5' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	816.73	812.89 24" W	812.89 24" N	
S3-6	22+34	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	816.91	813.49 18" S		
S3-7	22+34	16.5' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	816.91	813.00 24" S		
S3-8	21+18	CL	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	817.58	812.66 24" S	812.66 24" N	813.66 12" W
S3-9	21+18	16.5' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	817.24	814.00 12" E		

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P3-1	S3-2	S3-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	21	0.19%	11.2
P3-2	S3-8	S3-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	16	0.25%	8.1
P3-3	S3-4	S3-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	17	0.12%	6.0
P3-4	S3-5	S3-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	17	0.12%	6.0
P3-5	S3-6	S3-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	10	1.00%	2.8
P3-6	S3-7	S3-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	10	1.10%	3.4
P3-7	S3-9	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	17	2.00%	5.1
P3-8	S3-3	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	106	0.20%	45.6



BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillier	DESIGNED AKS	REVISED -
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PLOT SCALE = 20.0000" / in.	CHECKED DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Drain_01.dgn

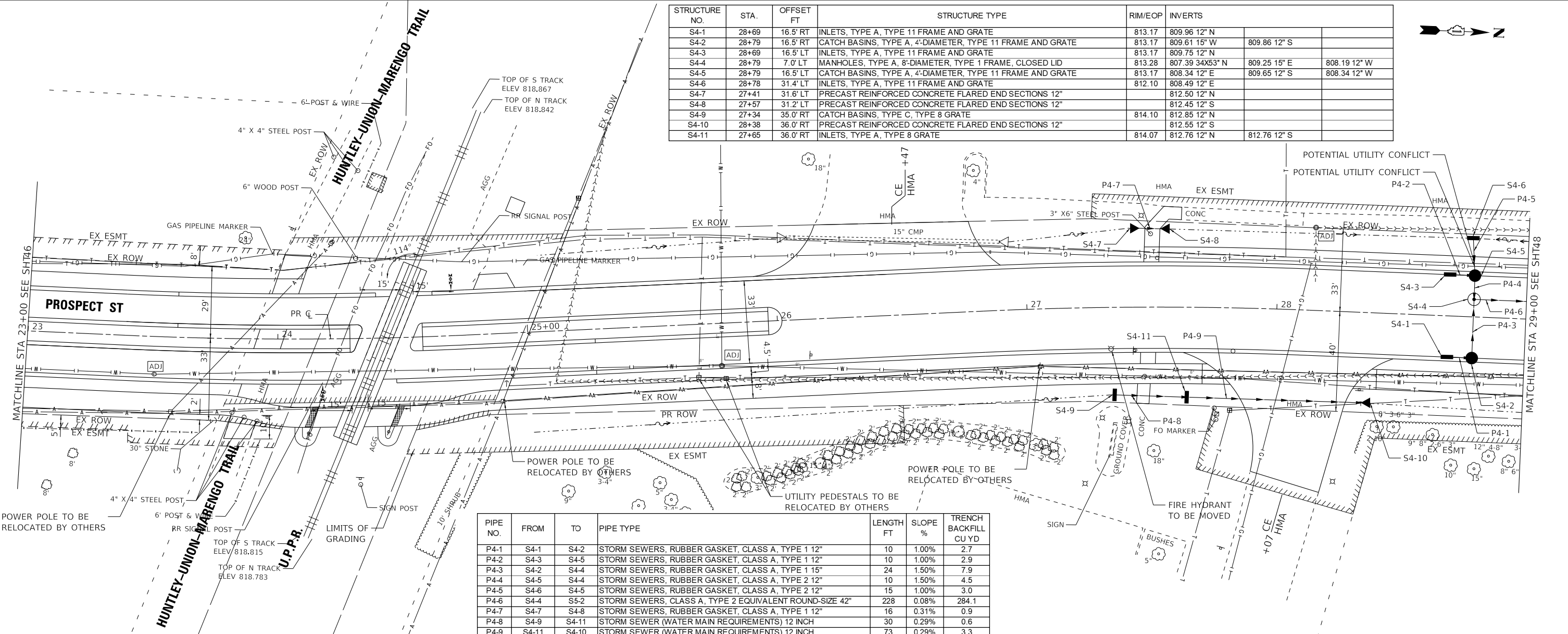
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY

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

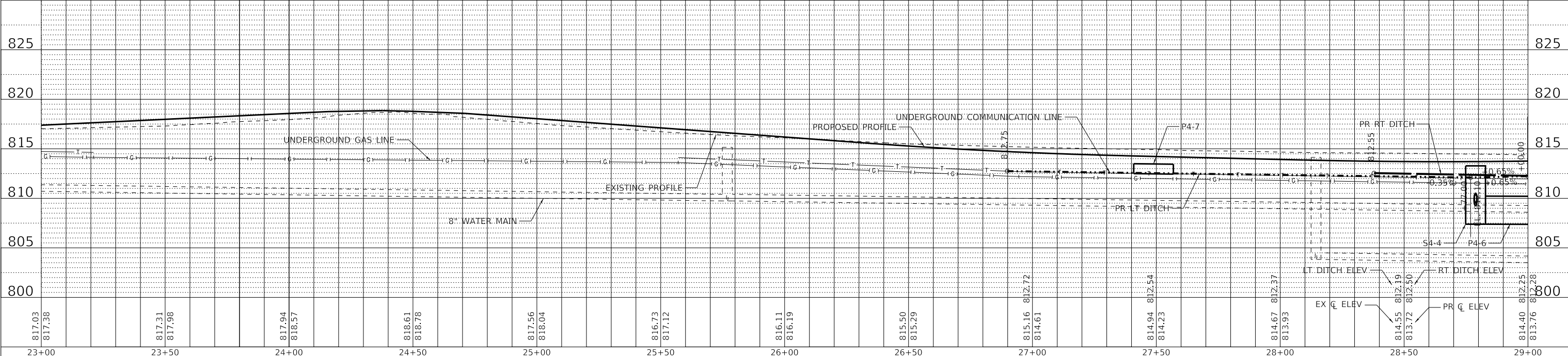
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	46
CONTRACT NO. 611.18				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS		
S4-1	28+69	16.5' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	813.17	809.96 12" N		
S4-2	28+79	16.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	813.17	809.61 15" W	809.86 12" S	
S4-3	28+69	16.5' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	813.17	809.75 12" N		
S4-4	28+79	7.0' LT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	813.28	807.39 34X53" N	809.25 15" E	808.19 12" W
S4-5	28+79	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	813.17	808.34 12" E	809.65 12" S	808.34 12" W
S4-6	28+78	31.4' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	812.10	808.49 12" E		
S4-7	27+41	31.6' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		812.50 12" N		
S4-8	27+57	31.2' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		812.45 12" S		
S4-9	27+34	35.0' RT	CATCH BASINS, TYPE C, TYPE 8 GRATE	814.10	812.85 12" N		
S4-10	28+38	36.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		812.55 12" S		
S4-11	27+65	36.0' RT	INLETS, TYPE A, TYPE 8 GRATE	814.07	812.76 12" N	812.76 12" S	

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P4-1	S4-1	S4-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	1.00%	2.7
P4-2	S4-3	S4-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	1.00%	2.9
P4-3	S4-2	S4-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	24	1.50%	7.9
P4-4	S4-5	S4-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	10	1.50%	4.5
P4-5	S4-6	S4-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	15	1.00%	3.0
P4-6	S4-4	S5-2	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	228	0.08%	284.1
P4-7	S4-7	S4-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	16	0.31%	0.9
P4-8	S4-9	S4-11	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	30	0.29%	0.6
P4-9	S4-11	S4-10	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	73	0.29%	3.3



BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillier
DESIGNED AKS
DRAWN MJO
PLOT SCALE = 20.0000" / in.
CHECKED DJS
PLOT DATE = 2/21/2025

DESIGNED AKS
DRAWN MJO
CHECKED DJS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

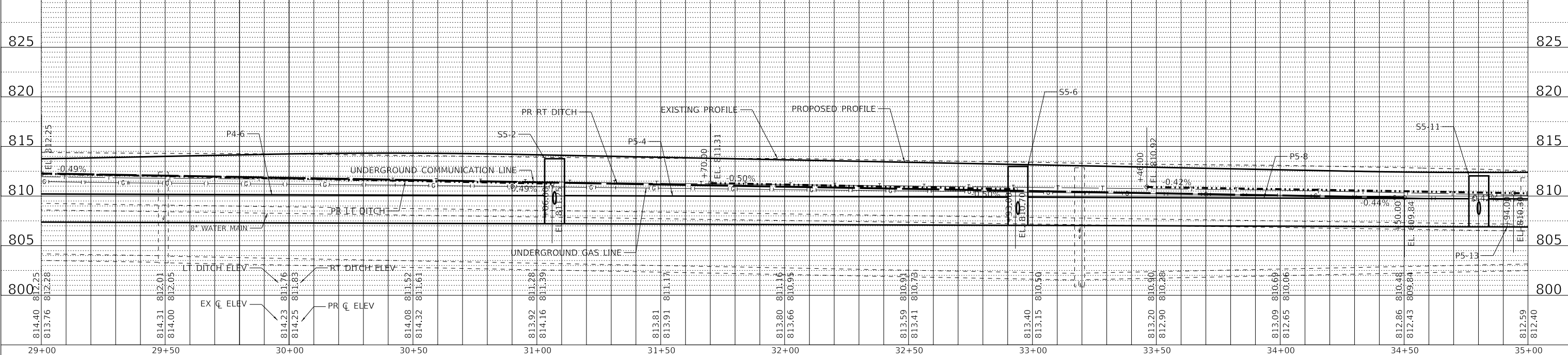
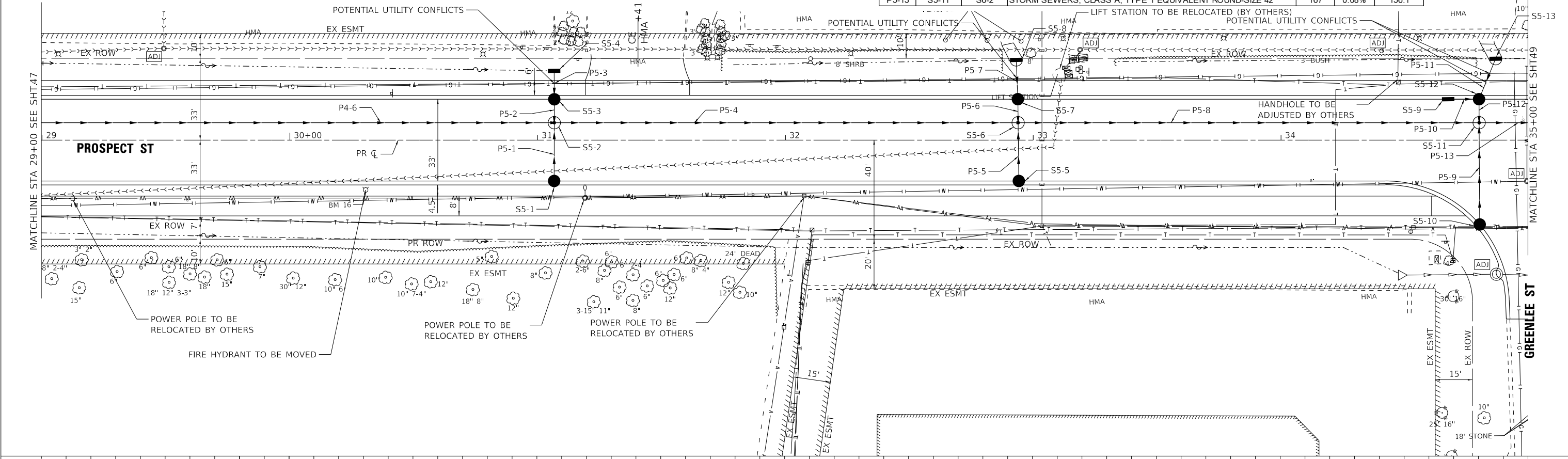
DRAINAGE AND UTILITY

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	47
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

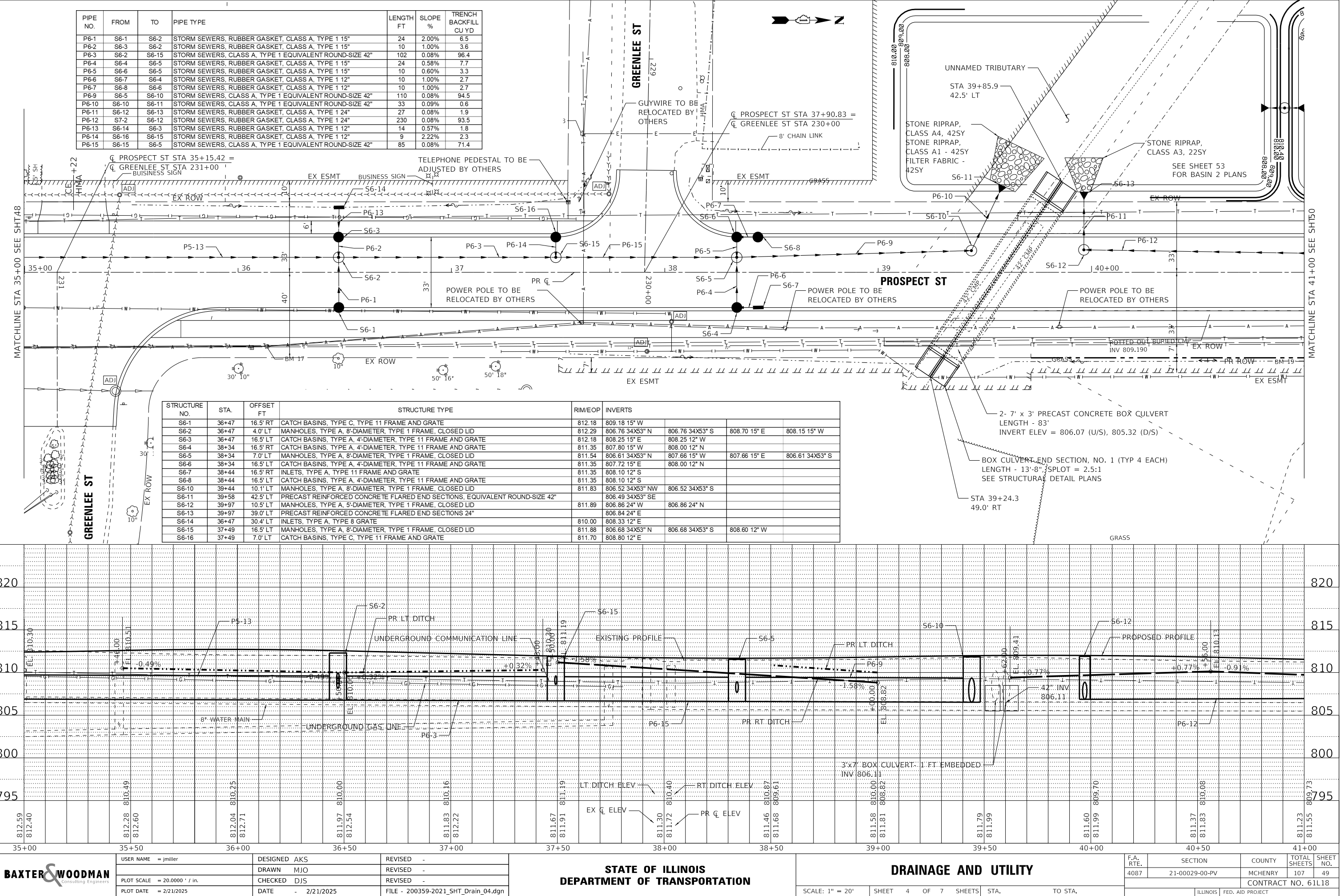
STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S5-1	31+07	16.5' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	813.65	809.54 15' W			
S5-2	31+07	7.0' LT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	813.76	807.21 34X53" N	807.21 34X53" S	809.18 15' E	809.18 15' W
S5-3	31+07	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	813.09	809.27 15' E	809.52 12" W		
S5-4	31+07	28.0' LT	INLETS, TYPE A, TYPE 8 GRATE	811.25	809.58 12' E			
S5-5	32+94	16.5' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	812.88	808.65 15' W			
S5-6	32+94	7.0' LT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	812.99	807.05 34X53" N	807.05 34X53" S	808.16 15' E	808.16 15' W
S5-7	32+94	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	812.88	808.25 15' E	808.47 12" W		
S5-8	32+93	32.3' LT	INLETS, TYPE A, TYPE 8 GRATE	810.70	808.55 12' E			
S5-9	34+68	16.5' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	811.93	808.64 15' N			
S5-10	34+80	34.0' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	811.58	808.58 15' W			
S5-11	34+80	7.0' LT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	812.04	806.90 34X53" N	806.90 34X53" S	808.16 15' E	808.16 15' W
S5-12	34+80	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	811.93	808.26 15' E	808.26 15" NW	808.40 15' S	
S5-13	34+87	32.8' LT	INLETS, TYPE A, TYPE 8 GRATE	810.30	808.35 15' SE			

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P5-1	S5-1	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	24	1.50%	9.5
P5-2	S5-3	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	9	1.00%	3.4
P5-3	S5-4	S5-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	11	0.55%	2.2
P5-4	S5-2	S5-6	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	187	0.09%	234.6
P5-5	S5-5	S5-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	24	2.04%	10.0
P5-6	S5-7	S5-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	9	1.00%	4.0
P5-7	S5-8	S5-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	16	0.50%	2.2
P5-8	S5-6	S5-11	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	186	0.08%	187.2
P5-9	S5-10	S5-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	41	1.02%	11.8
P5-10	S5-9	S5-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	12	2.00%	3.5
P5-11	S5-13	S5-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	18	0.50%	2.2
P5-12	S5-12	S5-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	1.00%	3.3
P5-13	S5-11	S6-2	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	167	0.08%	156.1



BAXTER & WOODMAN Consulting Engineers	USER NAME = jmiller	DESIGNED AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	DRAWN MJO	REVISD -						4087	21-00029-00-PV	MCHENRY	107	48
	PLOT DATE = 2/21/2025	CHECKED DJS	REVISD -		CONTRACT NO. 61L18								
		DATE - 2/21/2025	FILE - 200359-2021_SHT_Drain_03.dgn		SCALE: 1" = 20'	SHEET 3 OF 7 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT			

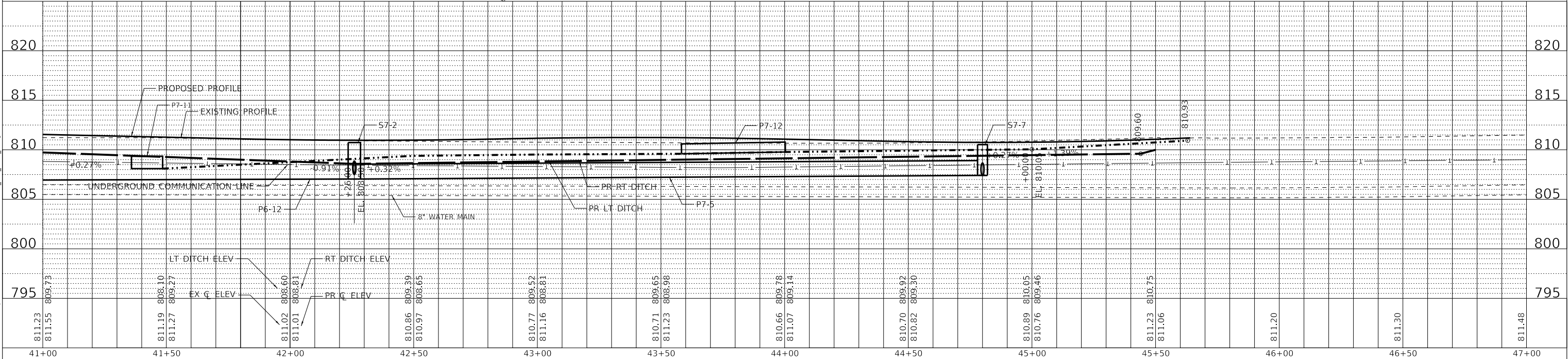
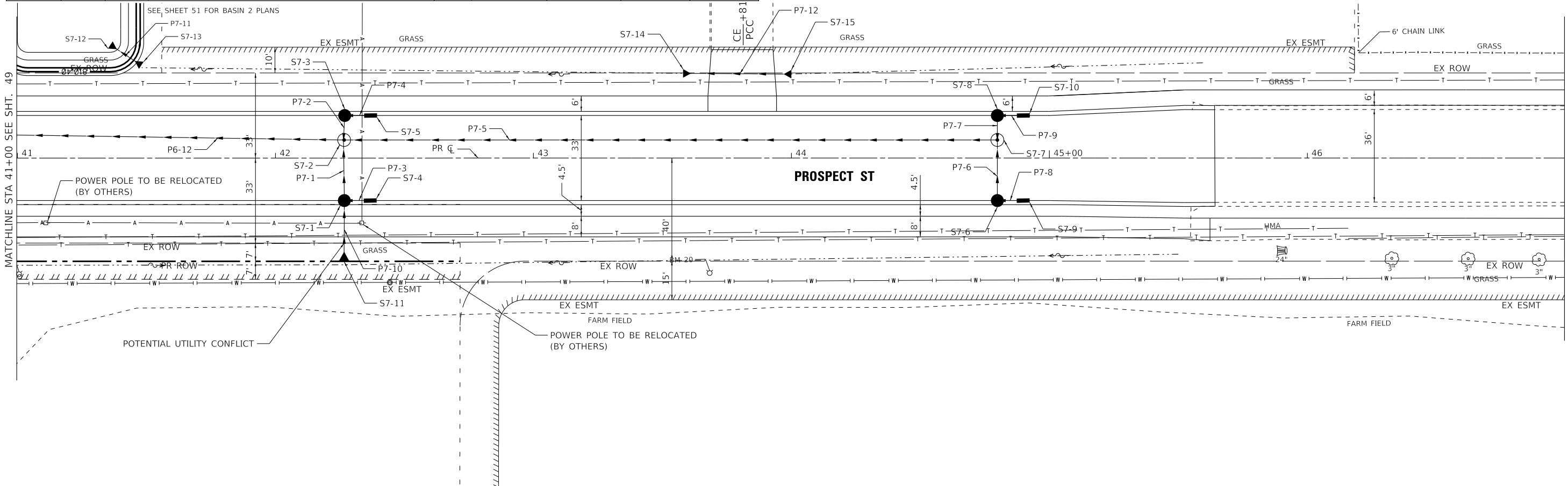
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LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS			
S7-1	42+26	16.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	810.62	807.76 15° W	807.76 15° N	807.76 12° E	
S7-2	42+26	7.0' LT	MANHOLES, TYPE A, 3'-DIAMETER, TYPE 1 FRAME, CLOSED LID	810.73	807.05 24° S	807.05 18° N	807.60 15° W	807.50 15° E
S7-3	42+26	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	810.62	807.76 15° S	807.76 15° N		
S7-4	42+37	16.5' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	810.62	807.86 15° S			
S7-5	42+37	16.5' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	810.62	807.86 15° S			
S7-6	44+80	16.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	810.41	807.50 15° W	807.70 12° N		
S7-7	44+80	7.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	810.52	807.41 18° S	807.41 15° E	807.41 15° W	
S7-8	44+80	16.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	810.41	807.45 15° E	807.70 12° N		
S7-9	44+90	16.5' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	810.41	807.80 12° S			
S7-10	44+90	16.5' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	810.41	807.80 12° S			
S7-11	42+26	39.0' RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		808.58 12° W			
S7-12	41+36	44.0' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		808.00 15° NE			
S7-13	41+48	36.0' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"		808.10 15° SW			
S7-14	43+58	32.5' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		809.67 12°			
S7-15	44+00	32.5' LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"		809.78 12° S			

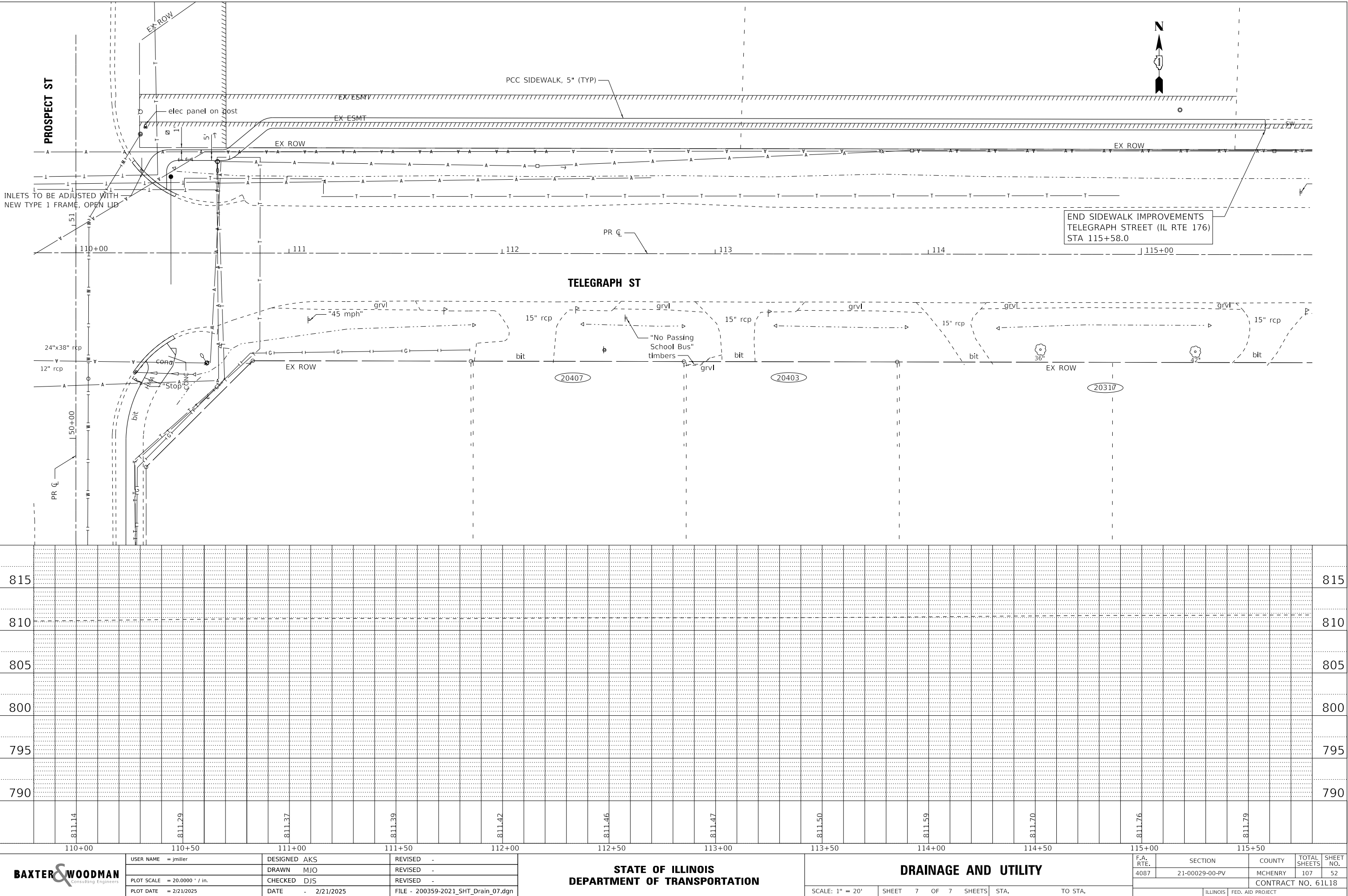
PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P7-1	S7-1	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	24	1.08%	5.9
P7-2	S7-3	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	1.60%	2.4
P7-3	S7-4	S7-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	1.00%	2.2
P7-4	S7-5	S7-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	1.00%	2.2
P7-5	S7-7	S7-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	253	0.14%	71.2
P7-6	S7-6	S7-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	24	0.38%	5.8
P7-7	S7-8	S7-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	10	0.35%	2.5
P7-8	S7-9	S7-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	1.00%	2.1
P7-9	S7-10	S7-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	10	1.00%	2.1
P7-10	S7-11	S7-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	23	3.57%	1.9
P7-11	S7-13	S7-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	15	0.67%	0.0
P7-12	S7-15	S7-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	44	0.25%	4.9



BAXTER & WOODMAN Consulting Engineers	USER NAME = jmillier	DESIGNED AKS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN MJO		REVISED -				4087	21-00029-00-PV	MCHENRY	107	50
	PLOT SCALE = 20.0000' / in.	CHECKED DJS	REVISED -				CONTRACT NO. 61L18				
	PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Drain_05.dgn				ILLINOIS FED. AID PROJECT				
SCALE: 1" = 20'				SHEET 5 OF 7 SHEETS		STA.	TO STA.				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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2/21/2025

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jrmiller
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 2/21/2025

DESIGNED - JDM
DRAWN - KAR
CHECKED - DJS
DATE - 2/21/2025

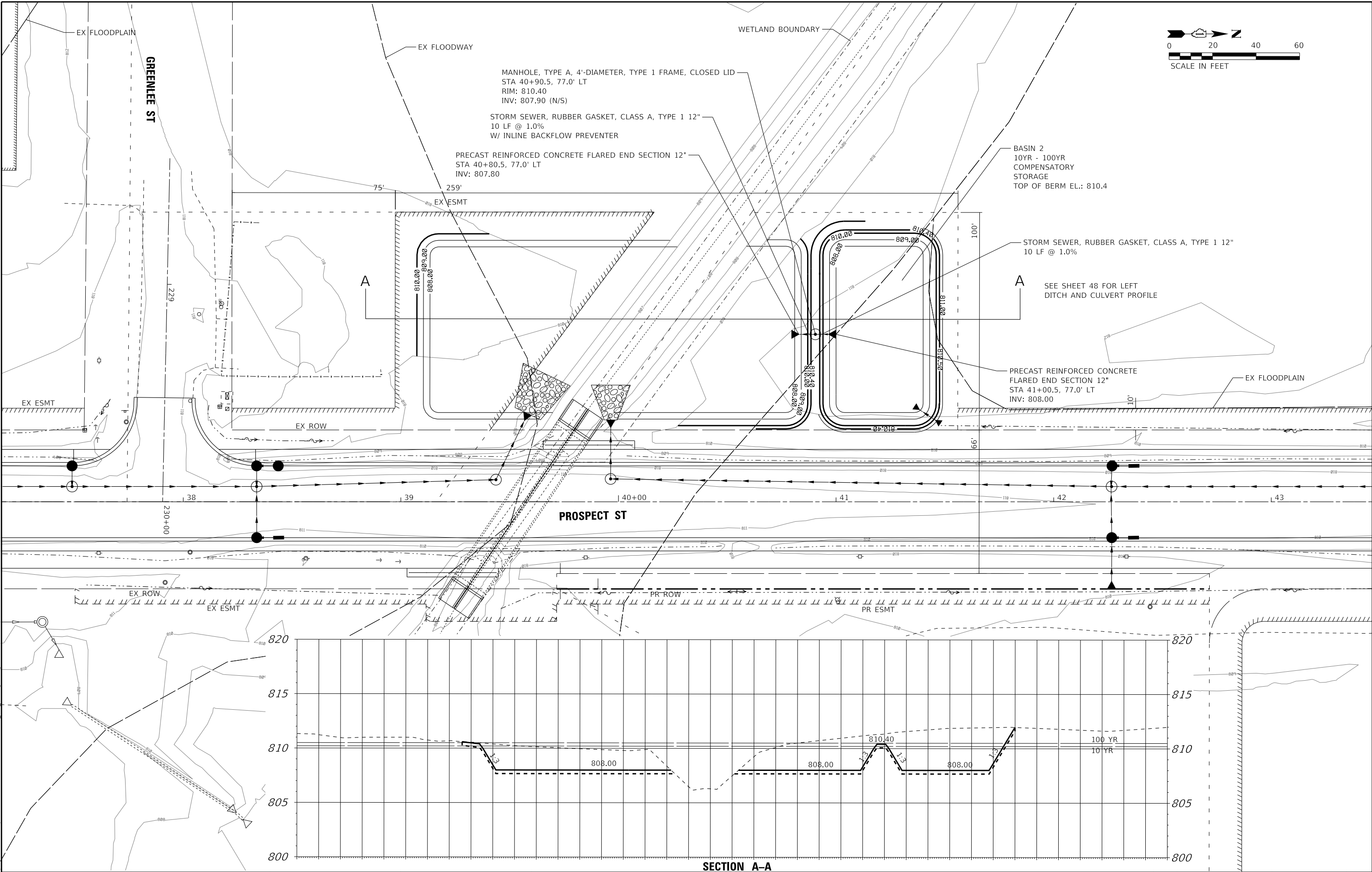
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE GRADING PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	53
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				



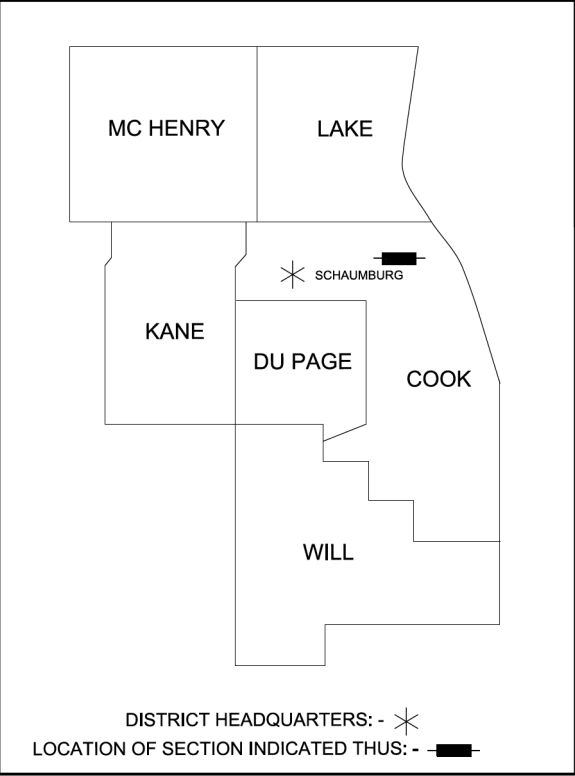
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PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	McHenry County Conservation District	2,3	
0002	Laverne C. & Betty A. Loudbeck, as Trustees under a private Trust Agreement, known as the Loudbeck Trust	2,3	
0003	McHenry County Conservation District	2,3	
0004	Edots Properties, LLC, a Wisconsin limited liability company	4,5	

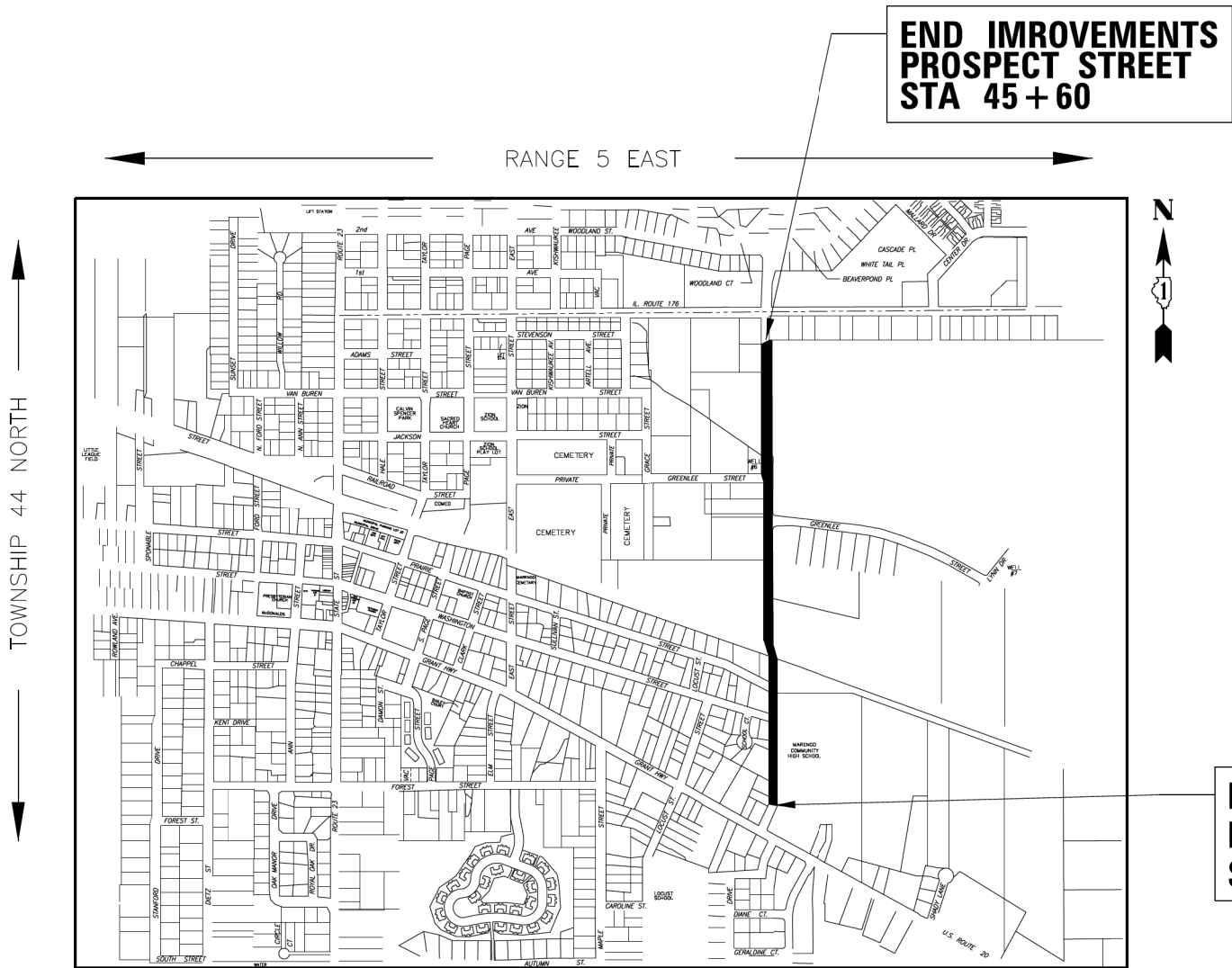
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

ROUTE: Prospect Street
SECTION: 21-00029-00-PV
COUNTY: McHenry
LIMITS: from U.S. Route 20
to Illinois Route 176
JOB NO.: R-55-001-97



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



LOCATION MAP

Gross & Net Length = 2,498 Lin. Ft. = 0.47 Miles (Prospect Street)

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	54
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

IDOT USE ONLY

PART OF SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY 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	
0001TE	76.04	N/A	N/A	76.04	0.022	952	11-36-406-001
0002TE	0.317	N/A	N/A	0.317	0.036	1,550	11-36-403-006
0003PE-A 0003PE-B 0003TE-A 0003TE-B	2.500	N/A	N/A	2.500	0.005 0.005 0.005 0.006	231 237 235 334	11-36-426-003

STATE OF ILLINOIS
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 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY 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 DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 23rd DAY OF AUGUST, 2024 A.D.

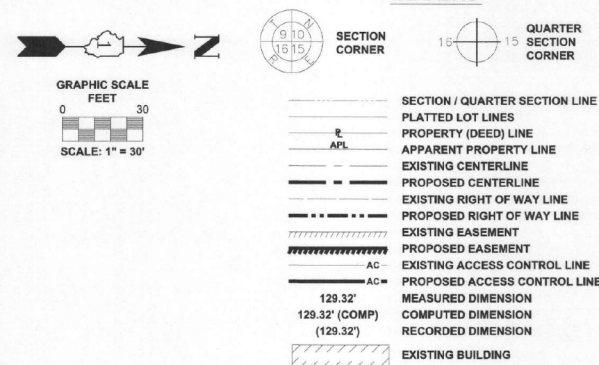
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

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



"LICENSE EXPIRES 11-30-2024"

LEGEND



- 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:

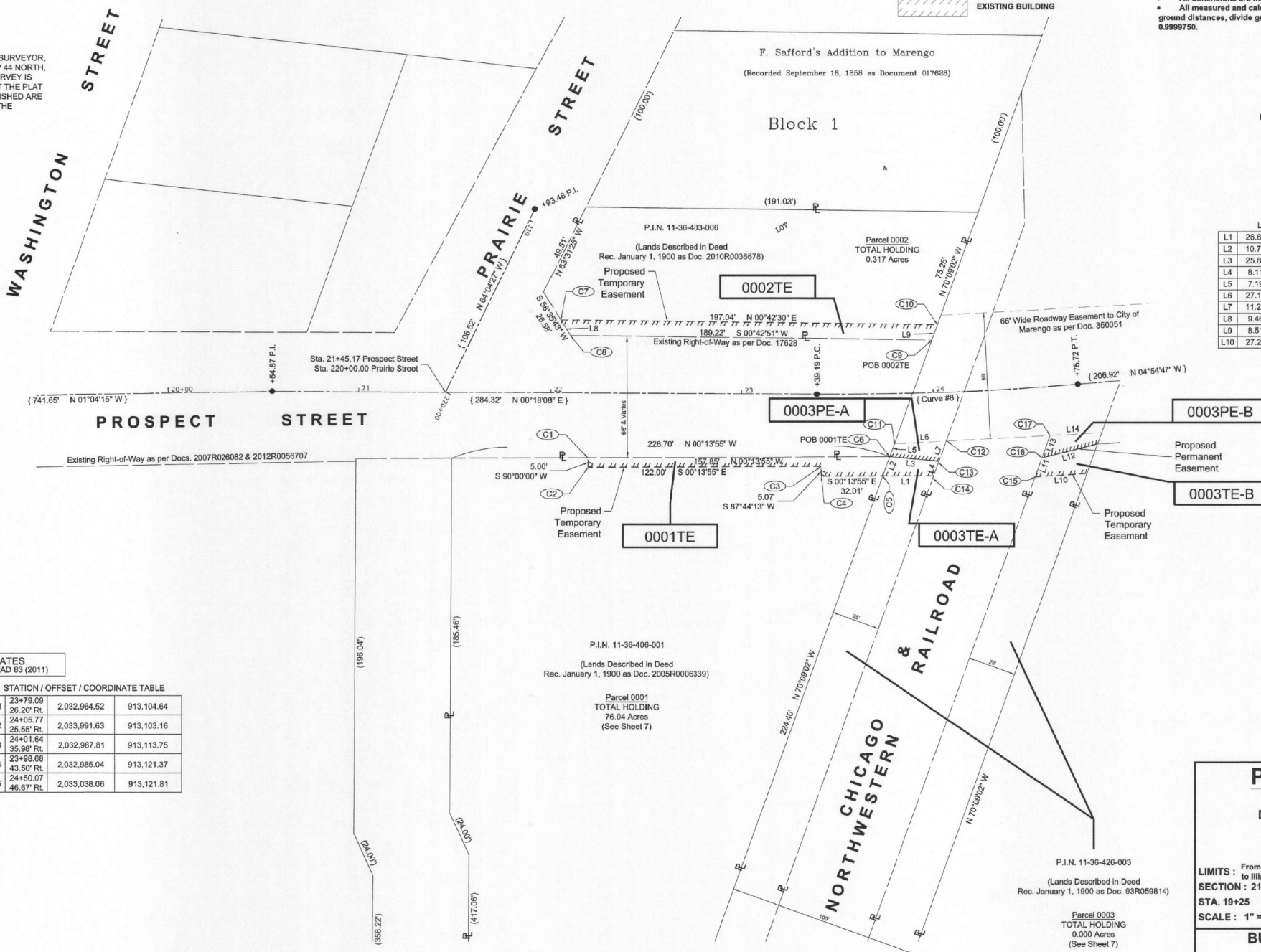
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- All dimensions are measured unless otherwise noted.
- All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.9999750.

Curve #8
P.I. = 24+07.50
Delta = 5°12'55" (Left)
D = 3°49'11"
R = 1,500.00'
T = 68.31'
L = 136.53'
P.C. = 23+39.19
P.T. = 24+75.72

LINE TABLE			LINE TABLE		
L1	26.60'	S 00°13'55" E	L11	10.38'	S 70°09'02" E
L2	10.72'	S 70°09'02" E	L12	30.11'	S 14°00'53" E
L3	25.84'	S 05°13'18" W	L13	12.58'	N 70°09'02" W
L4	8.11'	N 70°09'02" W	L14	27.15'	N 03°06'54" W
L5	7.19'	N 70°09'02" W			
L6	27.15'	N 03°06'54" W			
L7	11.26'	S 70°09'02" E			
L8	9.46'	S 58°35'43" W			
L9	8.51'	S 70°09'02" E			
L10	27.24'	N 03°32'40" W			

STATION / OFFSET / COORDINATE TABLE			
C1	22+19.53 33.91' RL	2,032,804.23	913,112.04
C2	22+19.56 38.91' RL	2,032,804.23	913,117.04
C3	23+41.50 37.77' RL	2,032,926.23	913,116.54
C4	23+41.71 42.84' RL	2,032,926.43	913,121.61
C5	23+72.83 42.92' RL	2,032,958.44	913,121.48
C6	23+75.56 32.91' RL	2,032,926.08	913,111.40
C7	22+04.04 38.25' LL	2,032,790.02	913,039.81
C8	22+08.91 30.20' LL	2,032,794.95	913,047.88
C9	24+00.27 27.62' LL	2,032,984.16	913,050.24
C10	24+03.53 35.50' LL	2,032,987.06	913,042.25

STATION / OFFSET / COORDINATE TABLE			
C11	23+78.08 28.20' RL	2,032,964.52	913,104.64
C12	24+05.77 25.55' RL	2,033,991.63	913,103.16
C13	24+01.64 35.98' RL	2,032,987.81	913,113.75
C14	23+58.68 43.50' RL	2,032,985.04	913,121.37
C15	24+50.07 46.67' RL	2,033,038.06	913,121.81



REVISION DATE: 08-23-2024 REVISION MADE BY: AEB

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1200 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROSPECT STREET
(FAU 4087)

LIMITS: From U.S. Route 20 to Illinois Route 176
SECTION: 21-00029-00-PV
STA. 19+25 TO STA. 24+75
SCALE: 1" = 30'

COUNTY: McHenry
JOB NO.: R-55-001-97
SHEET 2 OF 7 SHEETS

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

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillar	DESIGNED - JDM	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 2/21/2025	CHECKED - DJS	REVISED -
	DATE = 2/21/2025	FILE = 200359-2021_SHT_Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	55
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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PART OF SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY 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	
0004 0004TE	62.310	0.049	N/A	62.261	0.095	4,136	11-36-228-008 11-36-276-008

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY 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 DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 23rd DAY OF AUGUST, 2024 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

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



LICENSE EXPIRES 11-30-2024

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

STATION / OFFSET / COORDINATE TABLE			
C21	37+50.27 39.99' RL	2,034,334.02	913,091.15
C22	37+50.27 46.99' RL	2,034,334.01	913,098.15
C23	39+11.60 47.01' RL	2,034,495.34	913,098.36
C24	39+11.60 54.99' RL	2,034,495.33	913,106.34

LEGEND

GRAPHIC SCALE
0 30
SCALE: 1" = 30'

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
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
"MAG" NAIL SET
5/8" REBAR SET

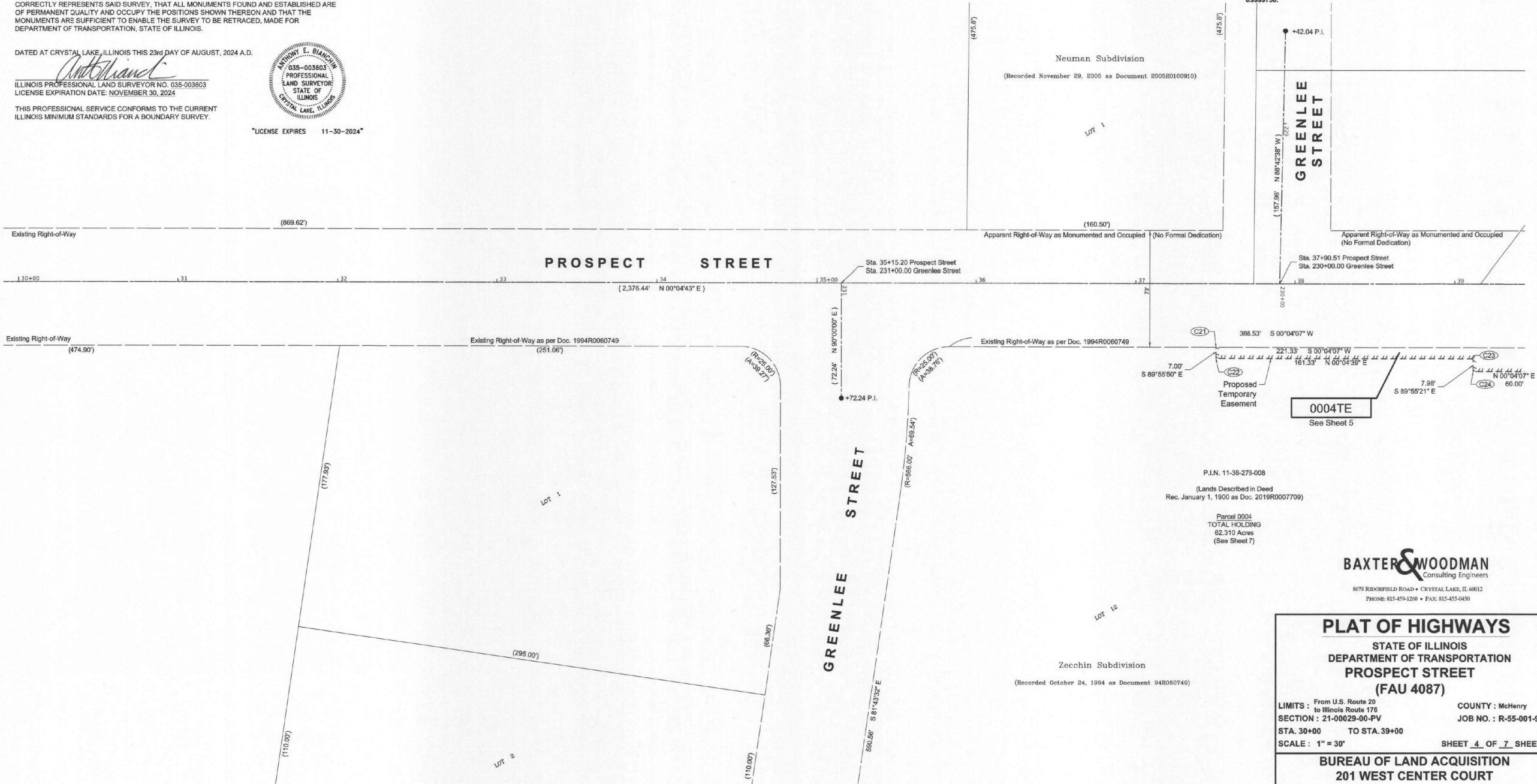
STAKING OF PROPOSED RIGHT OF WAY.
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN.
IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

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
0.9999750.



REVISION DATE: 08-23-2024 REVISION MADE BY: AEB

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jrmiller	DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

BAXTER & WOODMAN
Consulting Engineers
8675 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1200 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROSPECT STREET
(FAU 4087)

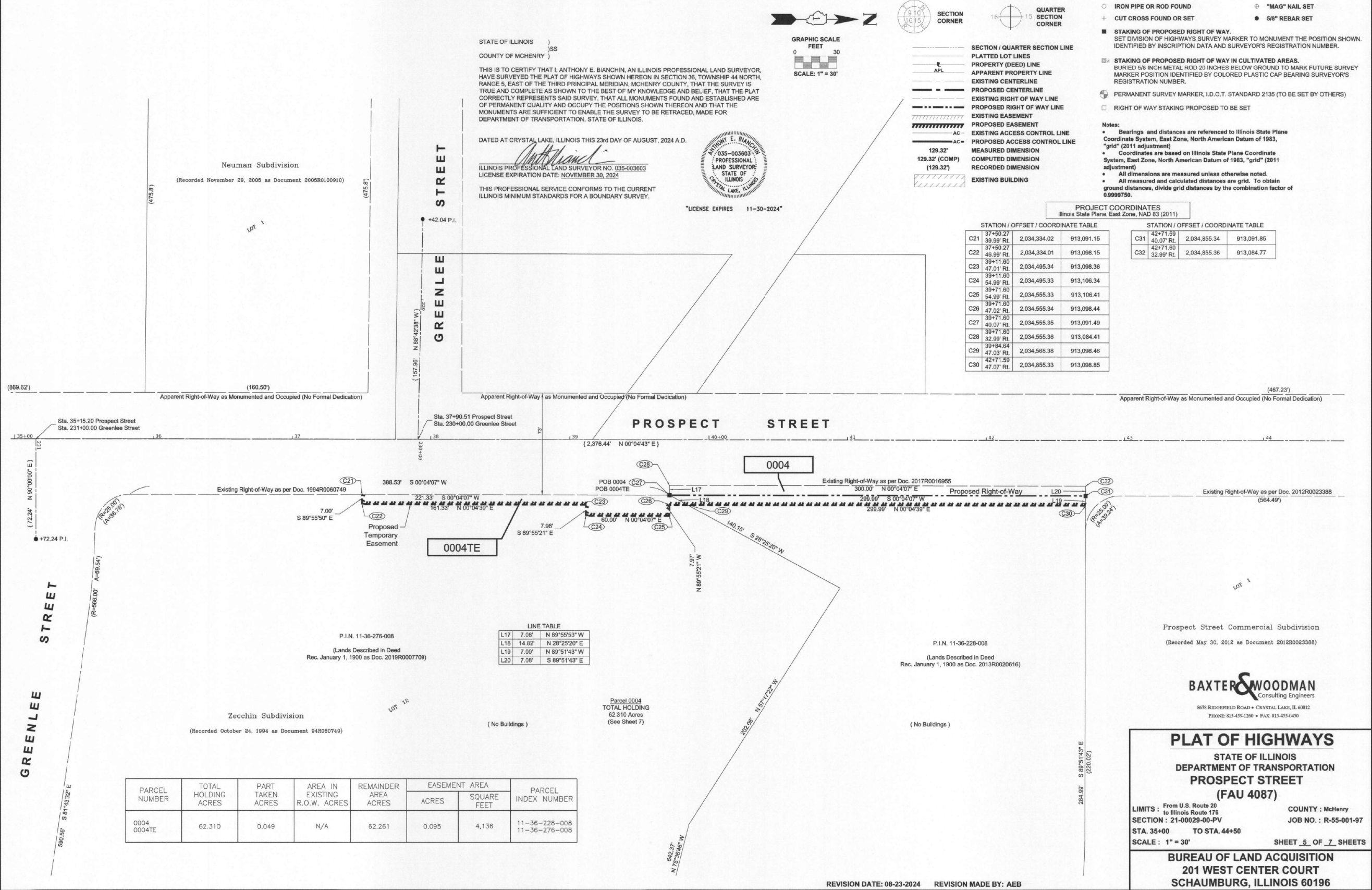
LIMITS : From U.S. Route 20
to Illinois Route 176
SECTION : 21-00029-00-PV
STA. 30+00 TO STA. 39+00
SCALE : 1" = 30'

COUNTY : McHenry
JOB NO. : R-55-001-97
SHEET 4 OF 7 SHEETS

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

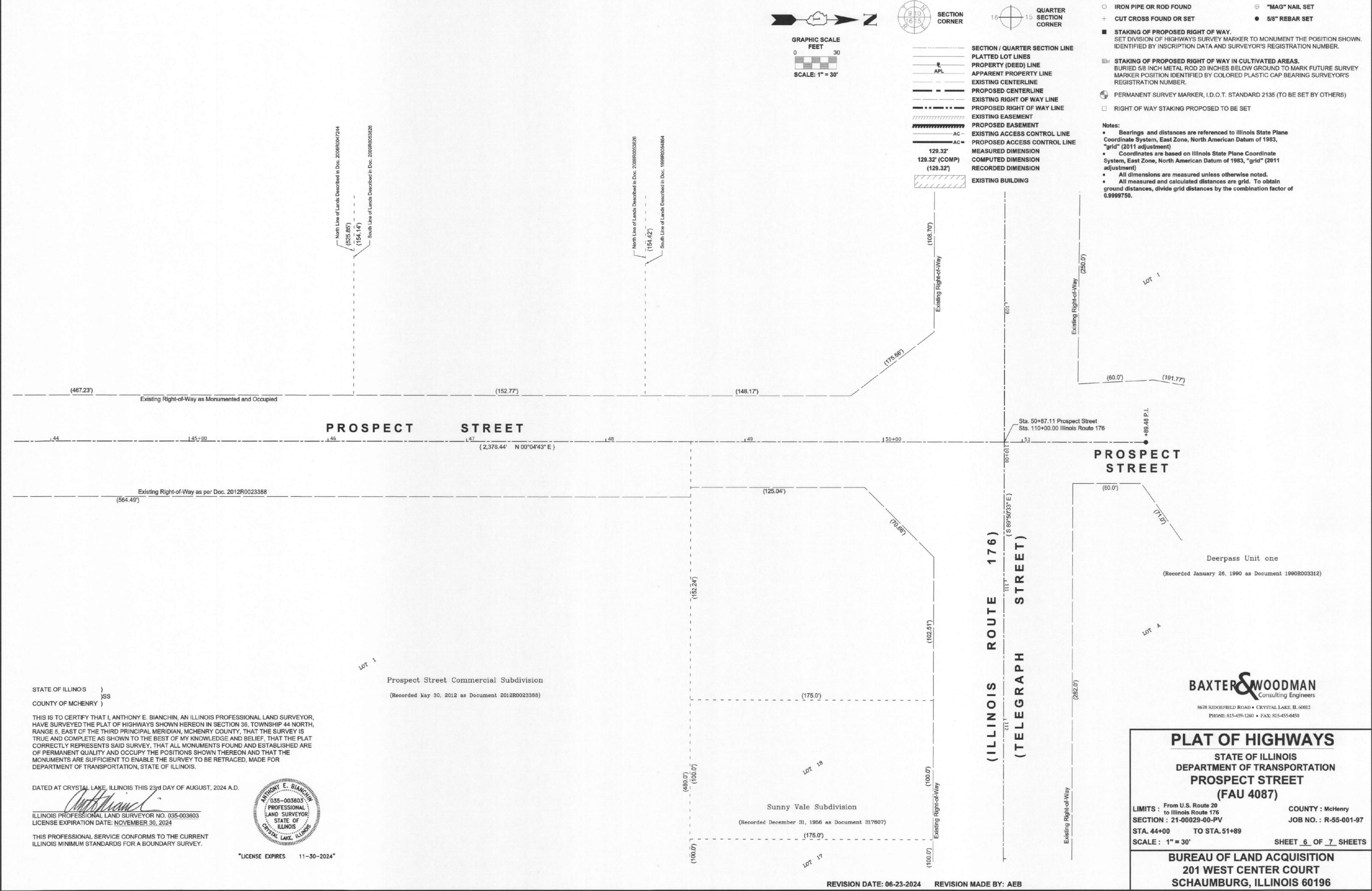
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	57
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

PART OF SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY COUNTY, ILLINOIS



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
JIM MILLER
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2/21/2025
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PART OF SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY COUNTY, ILLINOIS



BAXTER & WOODMAN
Consulting Engineers

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PLOT SCALE = 20.0000 ' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE = 2/21/2025	FILE = 200359-2021_SHT_Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	59
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

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USER NAME = jrmiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

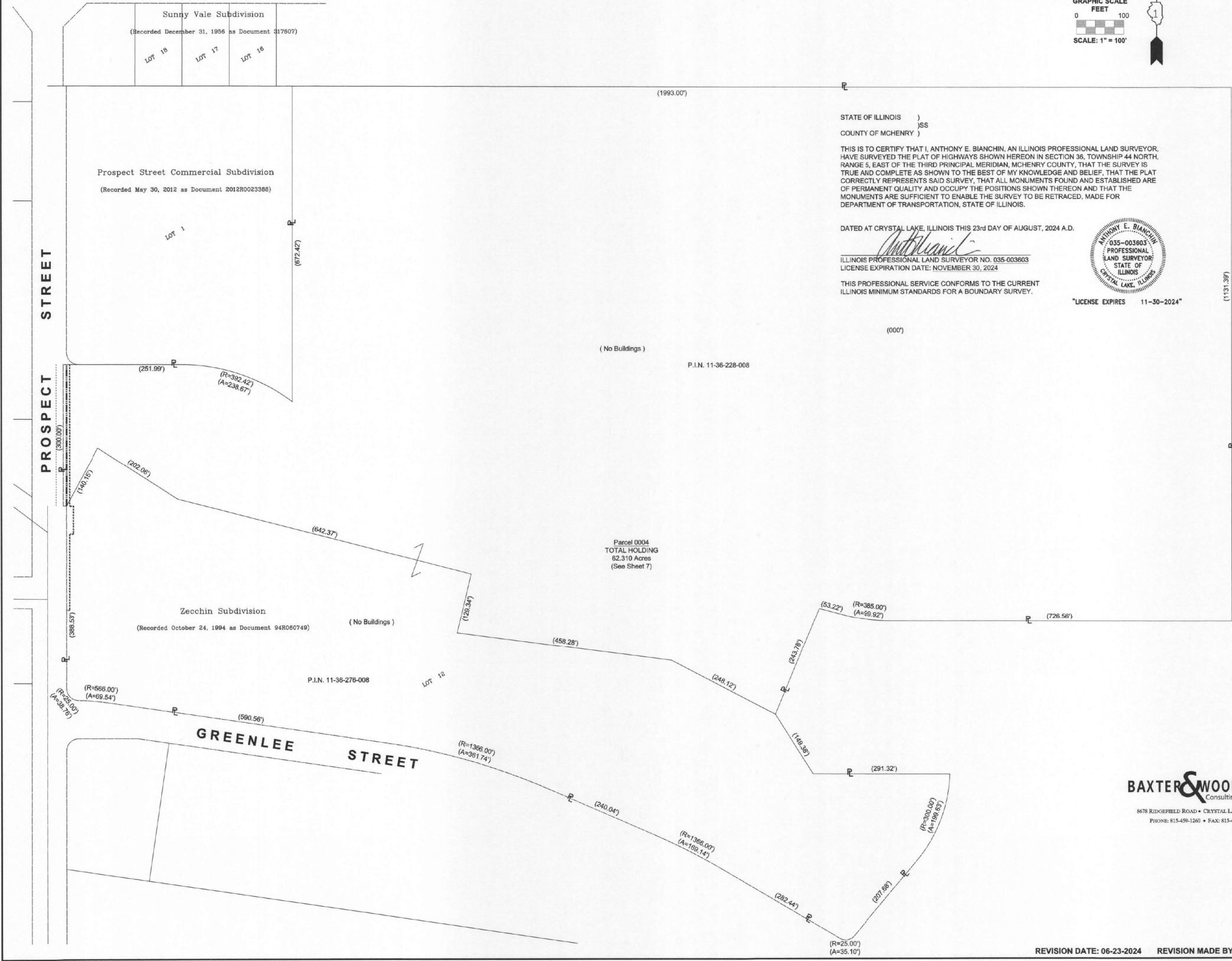
PLAT OF HIGHWAYS

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	60
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

PART OF SECTION 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN MCHENRY COUNTY, ILLINOIS

(ILLINOIS ROUTE 176)
(TELEGRAPH STREET)



STATE OF ILLINOIS)
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 36, TOWNSHIP 44 NORTH, RANGE 5, EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY 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 DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 23rd DAY OF AUGUST, 2024 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

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



"LICENSE EXPIRES 11-30-2024"

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
- MEASURED DIMENSION
- COMPUTED DIMENSION
- 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 0.9999750.

Total Holdings Exhibit

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROSPECT STREET
(FAU 4087)

LIMITS: From U.S. Route 20 to Illinois Route 176
SECTION: 21-00029-00-PV
STA. -- TO STA. --
SCALE: 1" = 100'
COUNTY: McHenry
JOB NO.: R-55-001-97
SHEET 7 OF 7 SHEETS

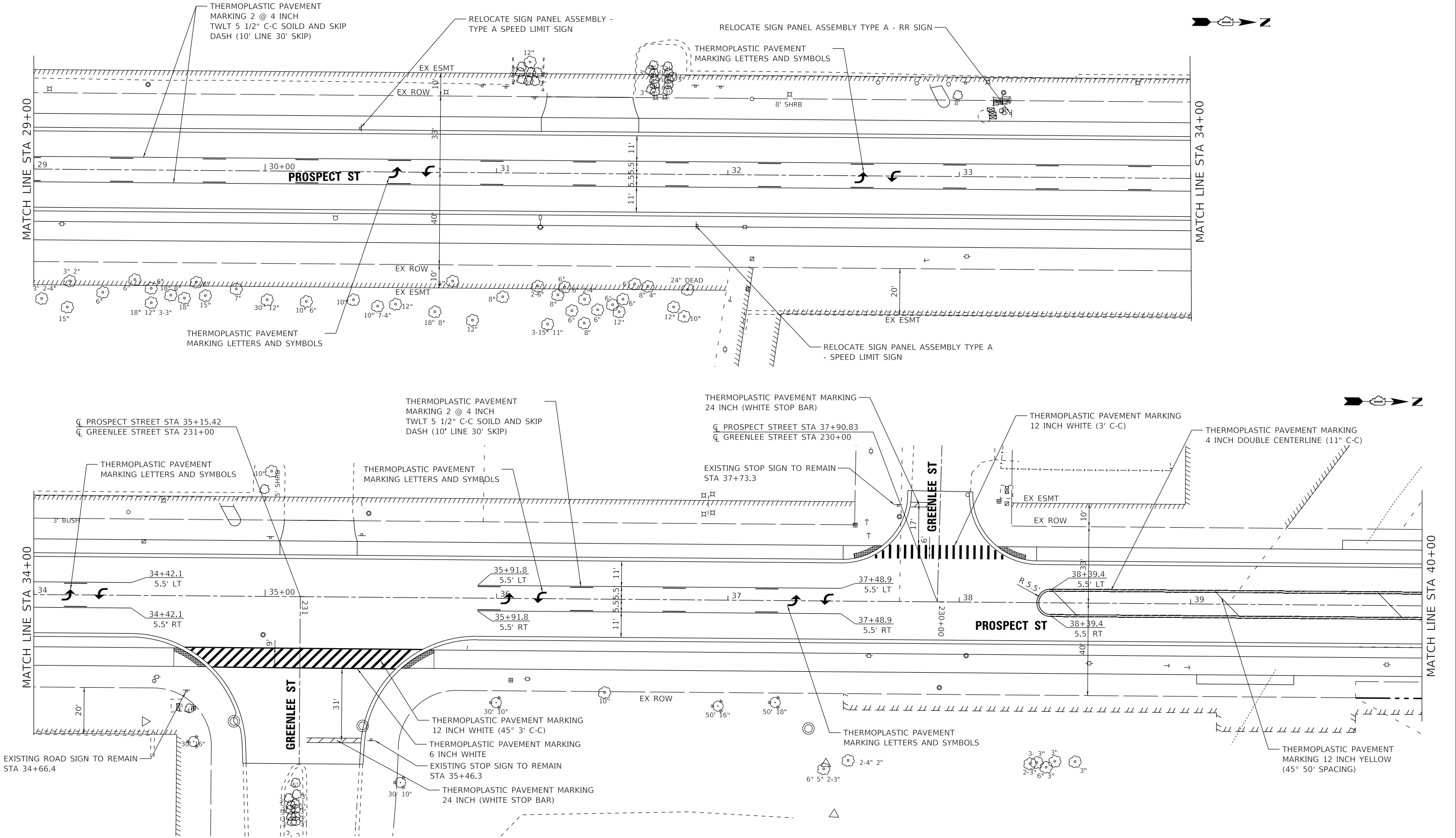
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 06-23-2024 REVISION MADE BY: AEB

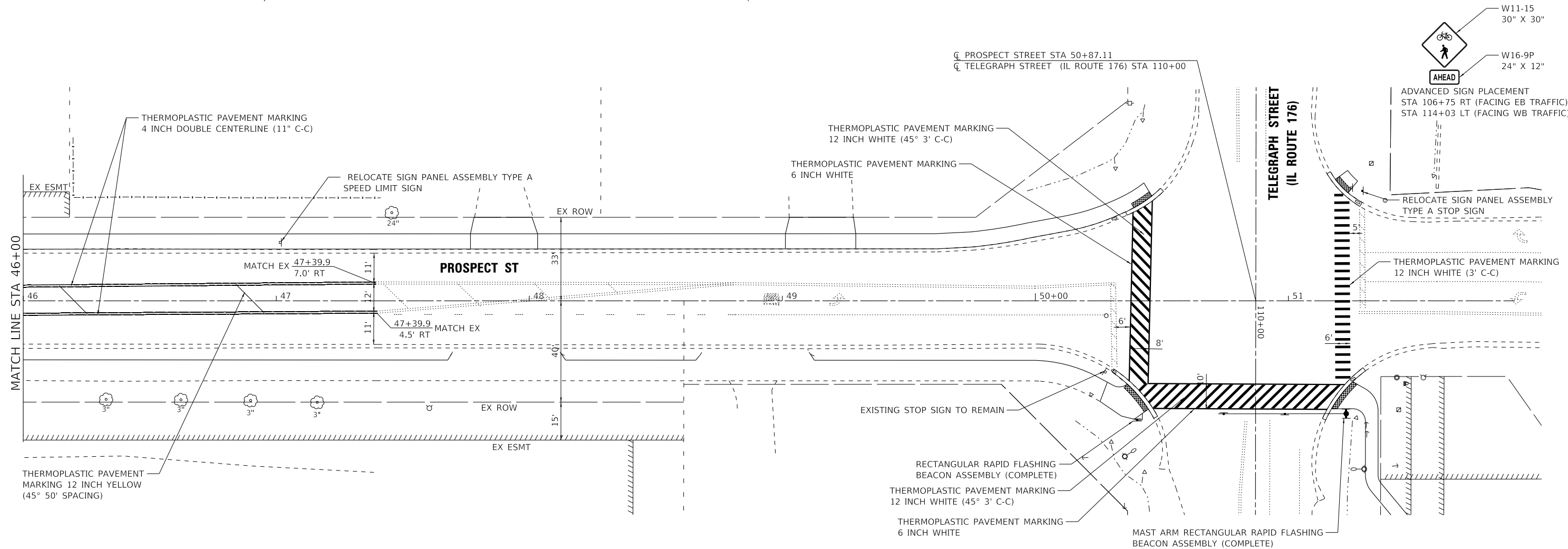
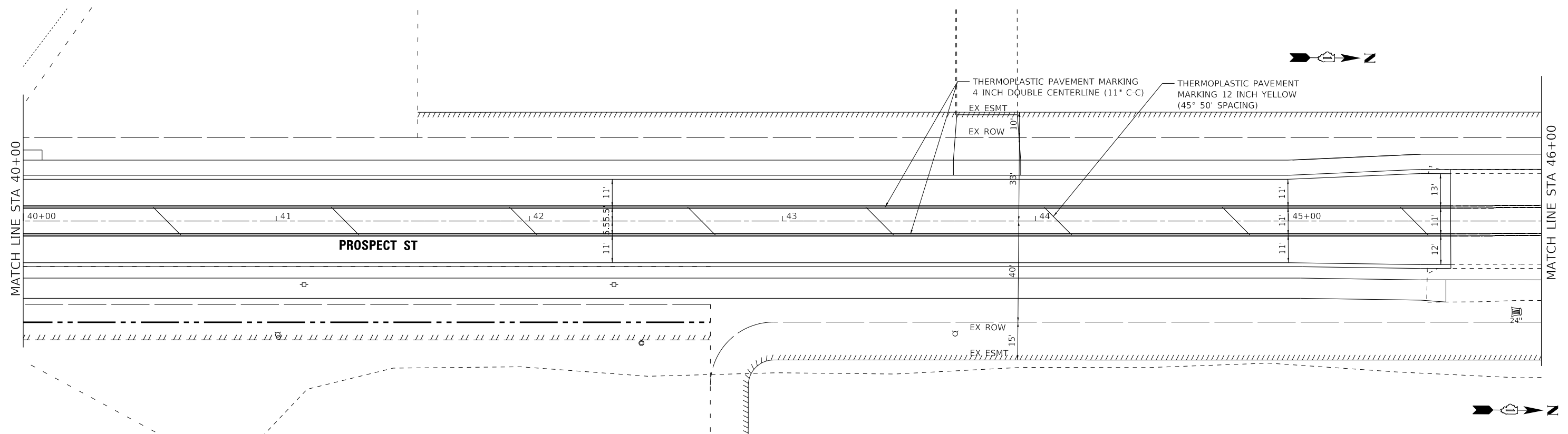


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	61
		CONTRACT NO. 61L18		
ILLINOIS		FED. AID PROJECT		

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jrmiller
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BAXTER & WOODMAN Consulting Engineers	USER NAME = jrmiller	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN						F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/21/2025	CHECKED - DJS	REVISED -		CONTRACT NO. 61L18										
		DATE - 2/21/2025	FILE - 200359-2021_SHT_PM_Sign_03.dgn		ILLINOIS FED. AID PROJECT										
					SCALE: 1" = 20'	SHEET 2	OF 3	SHEETS	STA. 29+00	TO STA. 40+00					



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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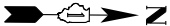
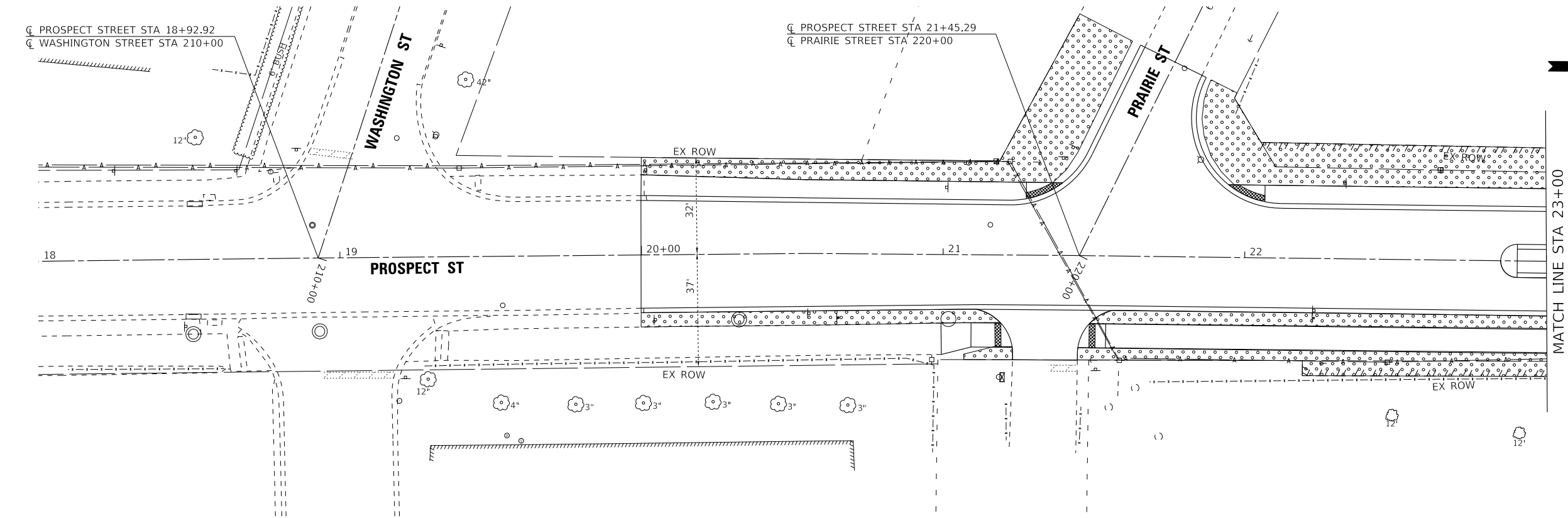
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN				
SCALE: 1" = 20'	SHEET 3	OF 3	SHEETS	STA. 40+00 TO STA. 52+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	63
		CONTRACT NO. 61L18		
ILLINOIS		FED. AID PROJECT		

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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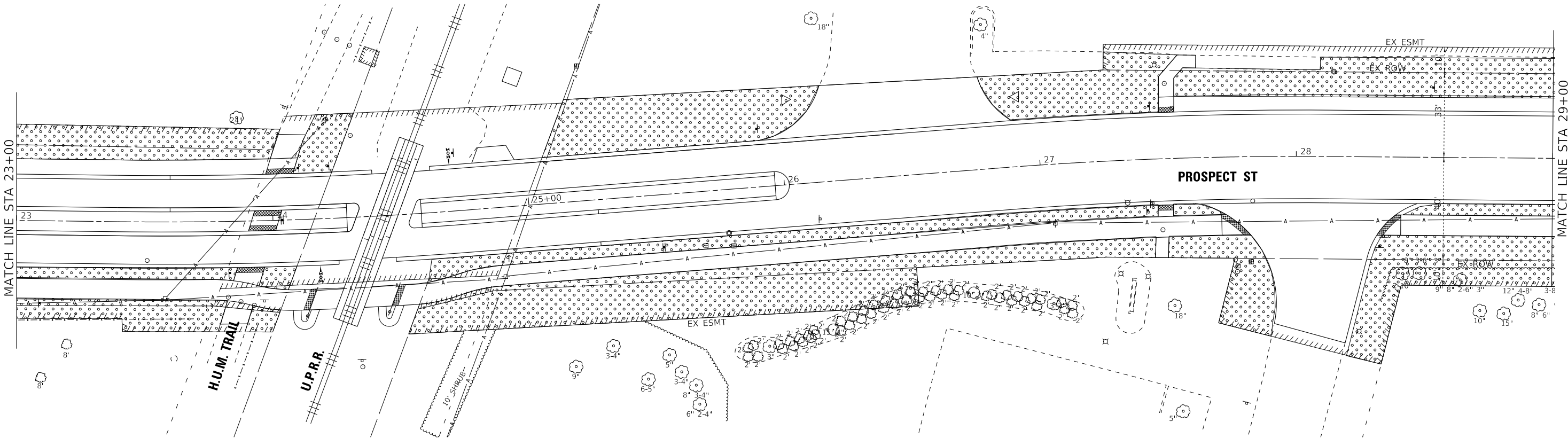
 TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 1A

 TOPSOIL EXCAVATION AND PLACEMENT SEEDING (SPECIAL)

 PROPOSED TREE

FINAL TREE LOCATION AND SPECIES MAY BE REVISED AS DETERMINED BY ENGINEER

BH = BITTERNUT HICKORY
CH = COMMON HACKBERRY
SYC = SYCAMORE
SWO = SWAMP WHITE OAK
BO = BUR OAK
PO = PIN OAK



BAXTER & WOODMAN Consulting Engineers	USER NAME = jrmiller	DESIGNED - JDM	REVISED -
		DRAWN - KAR	REVISED -
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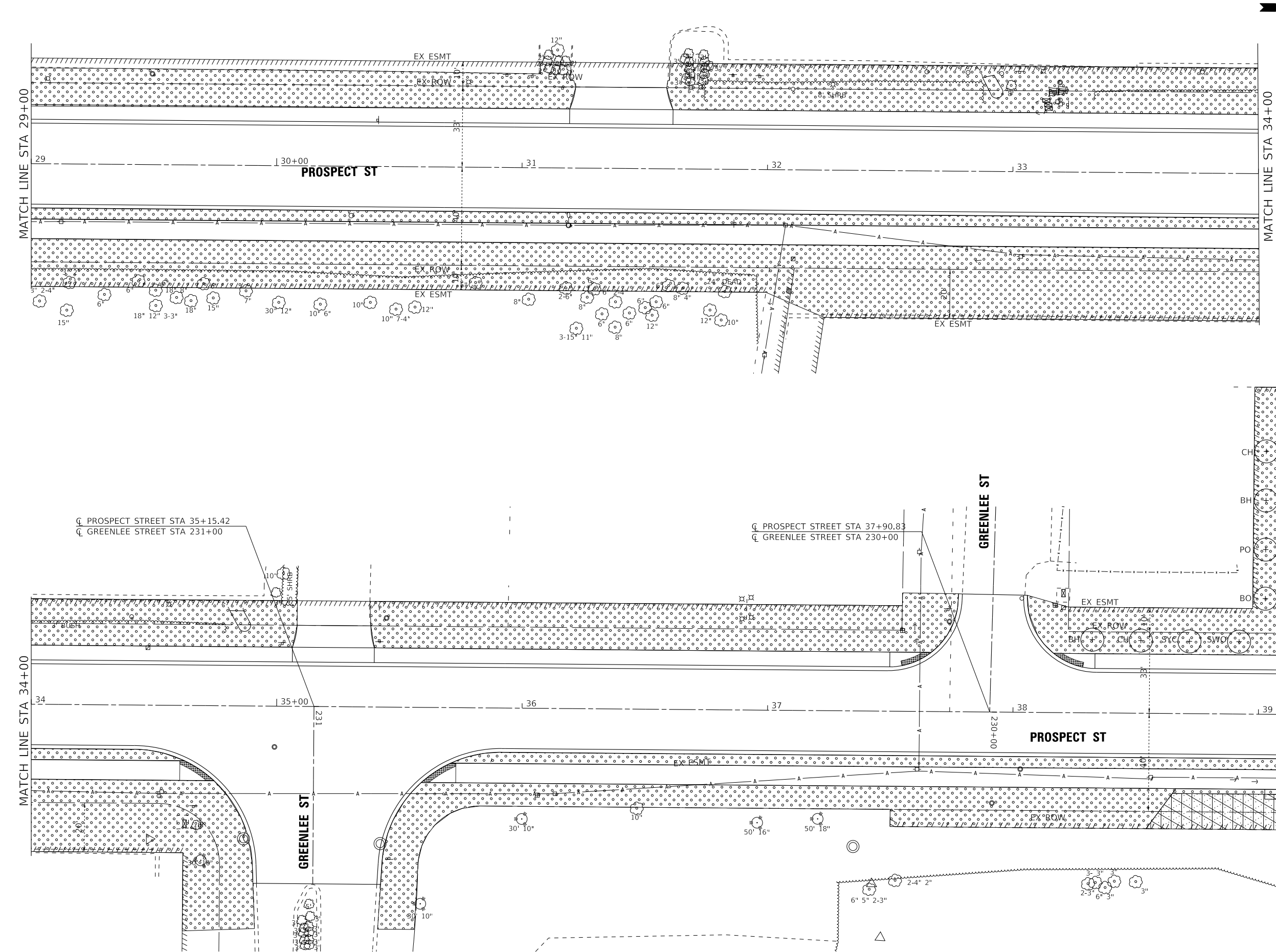
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 18+00 TO STA. 29+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	64
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 1A

TOPSOIL EXCAVATION AND PLACEMENT SEEDING (SPECIAL)

PROPOSED TREE

FINAL TREE LOCATION AND SPECIES MAY BE REVISED AS DETERMINED BY ENGINEER

BH = BITTERNUT HICKORY
CH = COMMON HACKBERRY
SYC = SYCAMORE
SWO = SWAMP WHITE OAK
BO = BUR OAK
PO = PIN OAK



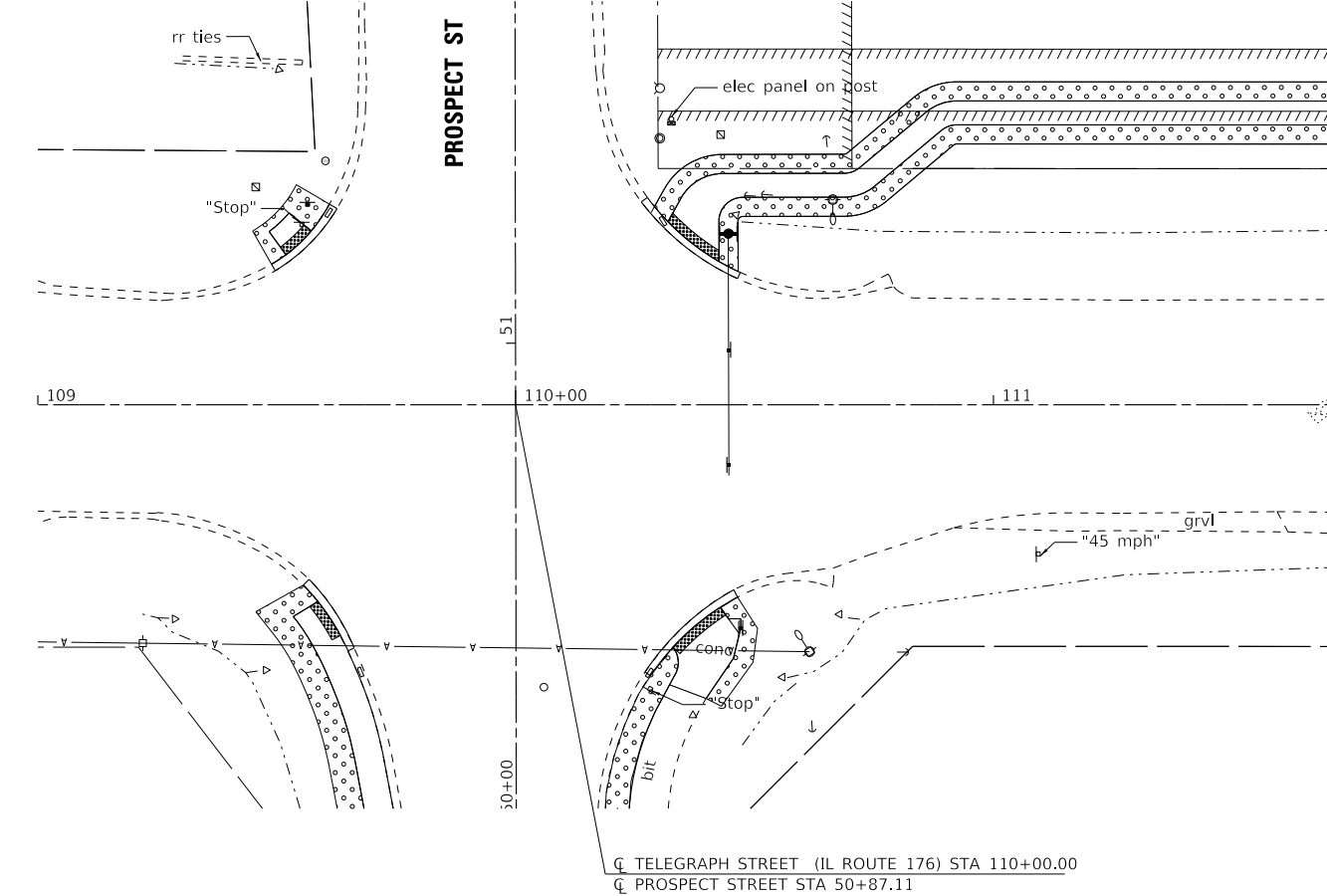
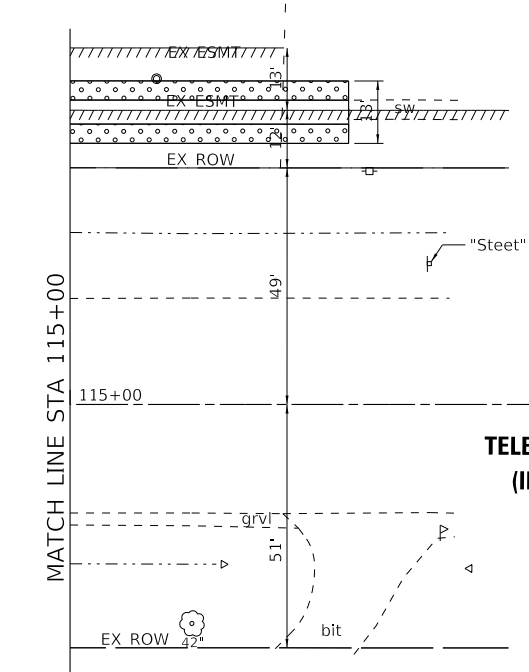
MATCH LINE STA 34+00

MATCH LINE STA 34+00

MATCH LINE STA 40+00

BAXTER & WOODMAN Consulting Engineers	USER NAME = jmiller	DESIGNED - JDM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 ' / in.	DRAWN - KAR	REVISED -						4087	21-00029-00-PV	MCHENRY	107	65
	PLOT DATE = 2/21/2025	CHECKED - DJS	REVISED -		CONTRACT NO. 61L18								
	FILE - 200359-2021_SHT_Landscape_03.dgn	DATE - 2/21/2025	SCALE: 1" = 20'				SHEET 2	OF 4	SHEETS	STA. 29+00	TO STA. 40+00	ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
jimiller
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P:\WAREN\200359-prospect STR\CAD\Sheets - PH 21200359-2021_SHT_Landscape_05.dgn



LEGEND

 TOPSOIL EXCAVATION AND PLACEMENT SEEDING, CLASS 1A

 TOPSOIL EXCAVATION AND PLACEMENT SEEDING (SPECIAL)

 PROPOSED TREE

FINAL TREE LOCATION AND SPECIES MAY BE REVISED AS DETERMINED BY ENGINEER

BH = BITTERNUT HICKORY
CH = COMMON HACKBERRY
SYC = SYCAMORE
SWO = SWAMP WHITE OAK
BO = BUR OAK
PO = PIN OAK

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jimiller	DESIGNED - JDM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 109+00 TO STA. 117+70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	67
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				



SECTION A-A

(Sheet 1 of 2)

See Sheet 2 of 2 for General Notes and Porous Granular Embankment detail.



(Showing end section tie details)

TIE PLATE DETAIL

5-15-2023

BAXTER & WOODMAN
Consulting Engineers

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	DRAWN - KAR	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

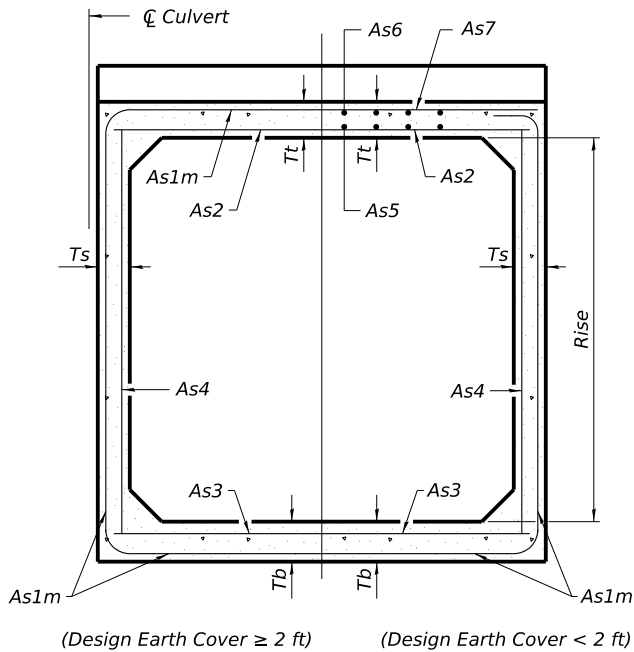
MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS

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

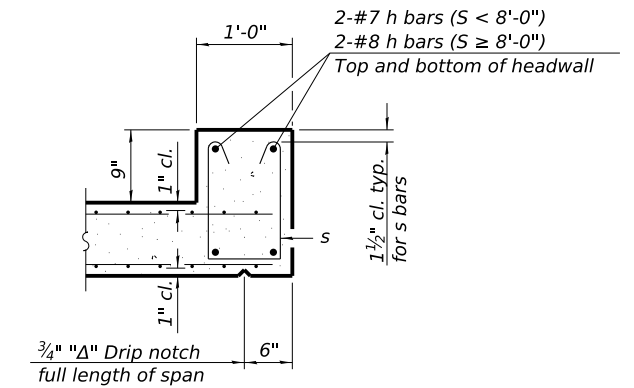
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		CONTRACT NO. 61L18		
ILLINOIS		FED. AID PROJECT		

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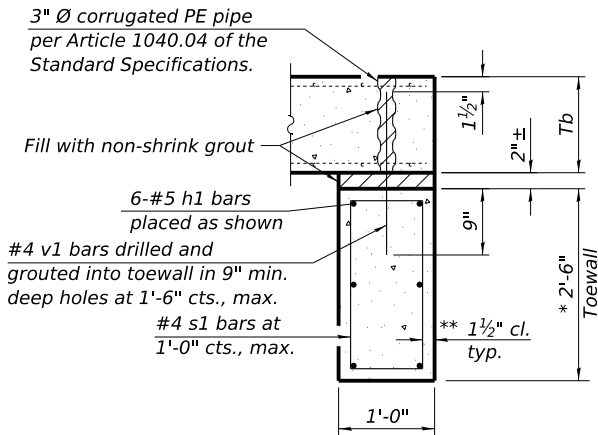
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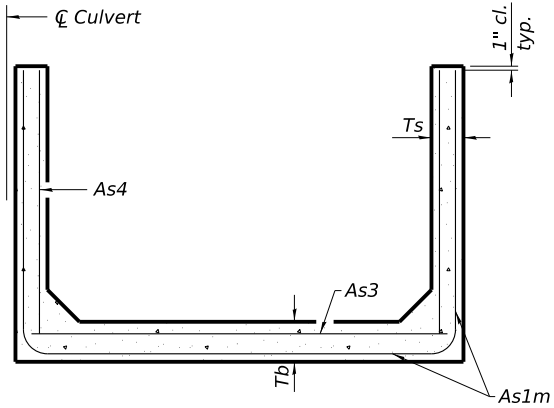
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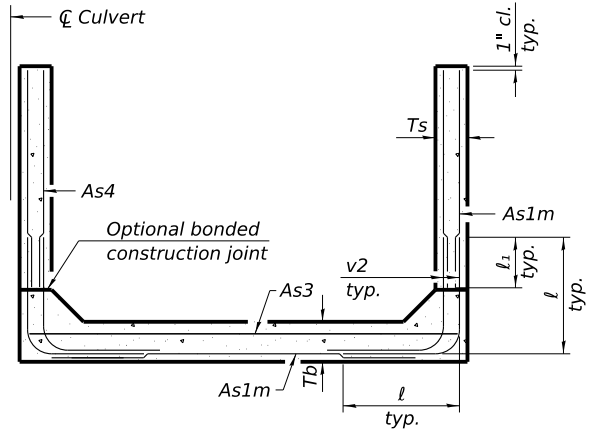
SECTION F-F



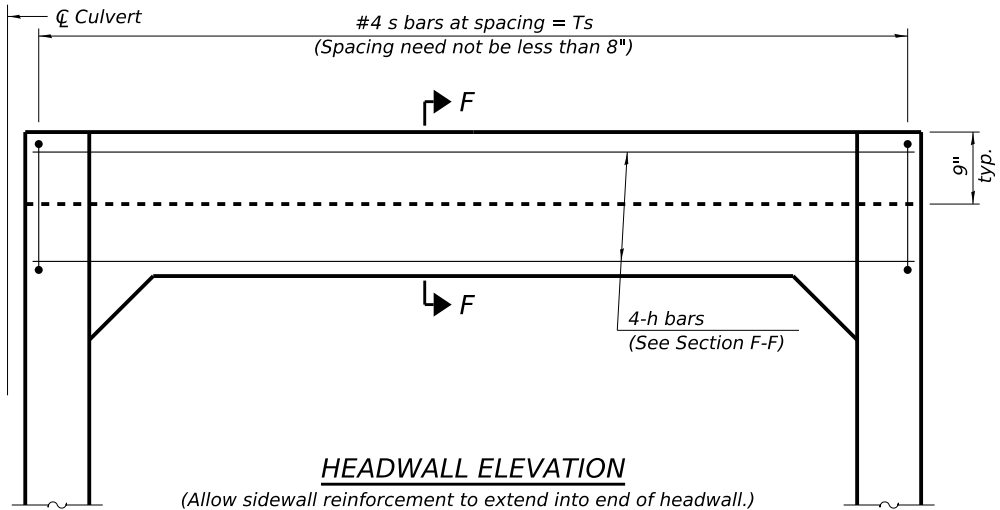
SECTION E-E



SECTION D-D



ALTERNATE SECTION D-D



HEADWALL ELEVATION

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.

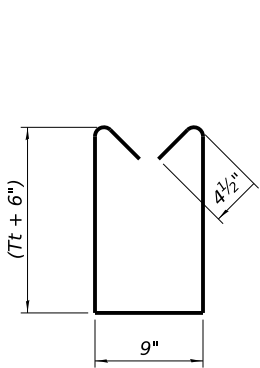
As1mREINFORCEMENT											
(in. ² / ft)											
Ts (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11
4		0.19	0.17								
5		0.26	0.21	0.18							
6		0.22	0.26	0.23	0.22						
7		0.25	0.33	0.59	0.27	0.28					
8		0.40	0.35	0.43	0.39	0.36	0.34	0.40			
9		0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48		
10		0.48	0.42	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	0.75

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

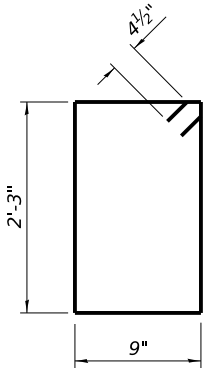
l1 DIMENSION

- #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 C culvert through 180° rotation.



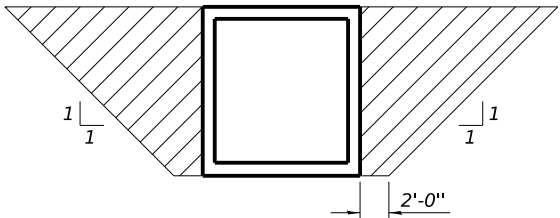
BAR s



BAR s1

GENERAL NOTES

The design fill height for this box is 1.9 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specifications.
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT

(Hatched area)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 7' x 3'	Foot	166
Porous Granular Embankment	Cu. Yd.	145

MCB-TES 5-15-2023

BAXTER & WOODMAN
Consulting Engineers

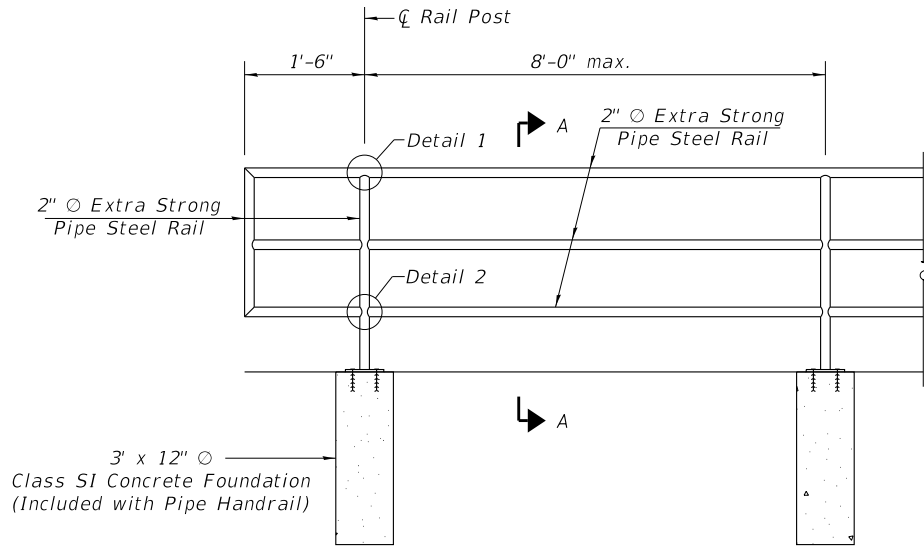
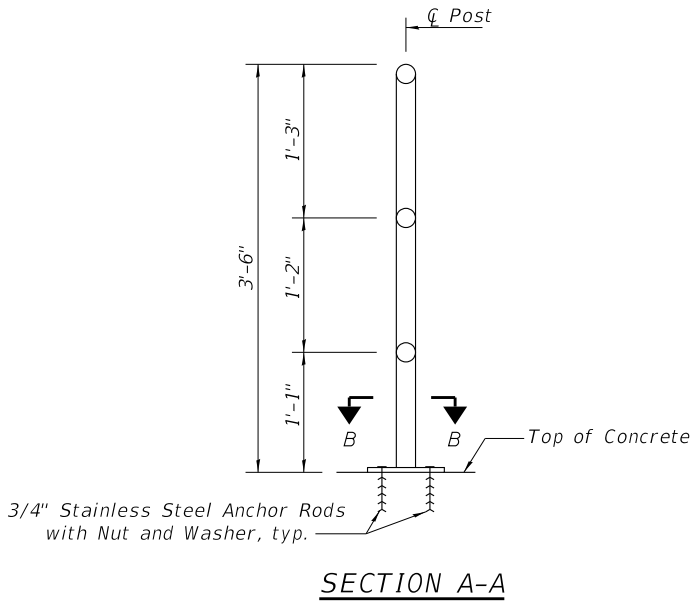
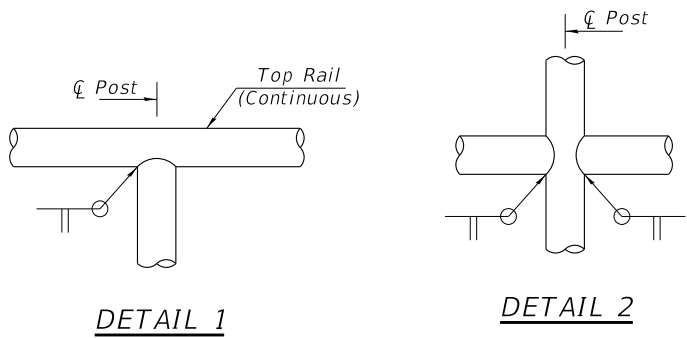
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PLOT DATE = 2/21/2025	CHECKED - DJS	REVISED -
	DATE - 2/21/2025	FILE - 200359-2021_SHT_Structural.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

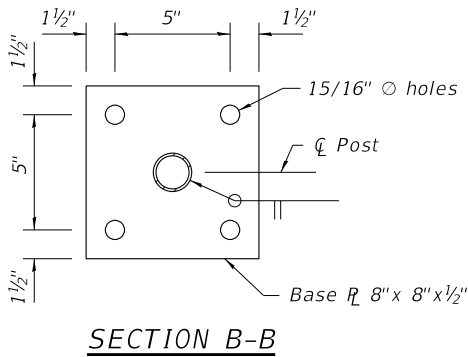
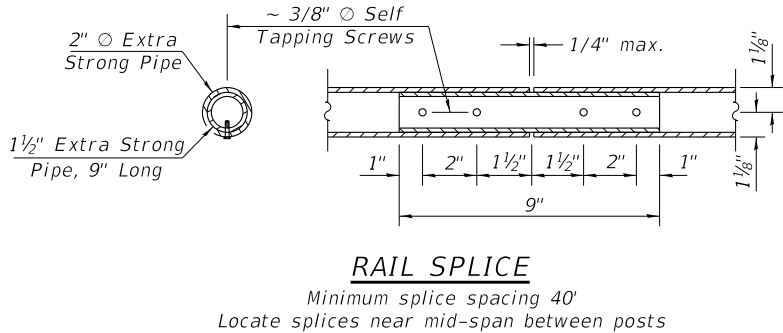
MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	69
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				



PIPE HANDRAIL ELEVATION
(GROUND MOUNTED)



NOTES

- Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot.
- Hollow structural steel tubing shall confirm to the requirements of ASTM designation A 500, Grade B, Structural Steel Tubing.
- All other steel shapes and plates shall conform to the requirements of AASHTO M-270M, Grade 345.
- All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M-111 and ASTM A-385. All bolts, nuts and washers shall be galvanized according to AASHTO M-232 except stainless steel bolts as noted.
- Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
- See Roadway Plans for Pipe Handrail locations.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	70
CONTRACT NO. 61L18				
		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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jrmiller
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	STATION	OFFSET	ELEVATION
A	50+46.6	39.7' LT	(810.63')
B	50+46.2	41.4' LT	810.63'
C	50+39.0	35.0' LT	(810.51')
D	50+39.1	36.7' LT	810.51'
E	50+43.0	46.6' LT	810.72'
F	50+36.2	42.1' LT	810.60'
G	50+34.1	34.4' LT	810.86'
H	50+31.7	39.9' LT	810.95'
I	50+37.7	CL	(810.75')
J	50+45.7	CL	(811.04')
K	50+37.3	31.7' RT	(810.70')
L	50+42.3	36.7' RT	810.76'
M	50+36.3	32.9' RT	810.70'
N	50+44.8	42.8' RT	810.83'
O	50+45.0	40.1' RT	(810.80')
P	50+46.8	42.8' RT	(810.83')
Q	50+34.1	45.5' RT	810.89'
R	50+39.3	46.8' RT	810.86'
S	50+87.2	33.0' RT	(811.25')
T	50+87.2	43.0' RT	(811.27')
U	50+29.2	30.7' RT	(811.15')
V	50+25.7	39.8' RT	(811.23')

TELEGRAPH ST (IL ROUTE 176)

PROSPECT ST

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL

LEGEND

(XXX.XX') EXISTING ELEVATION
(%) EXISTING SLOPE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	71
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 5' SHEET 1 OF 7 SHEETS STA. TO STA.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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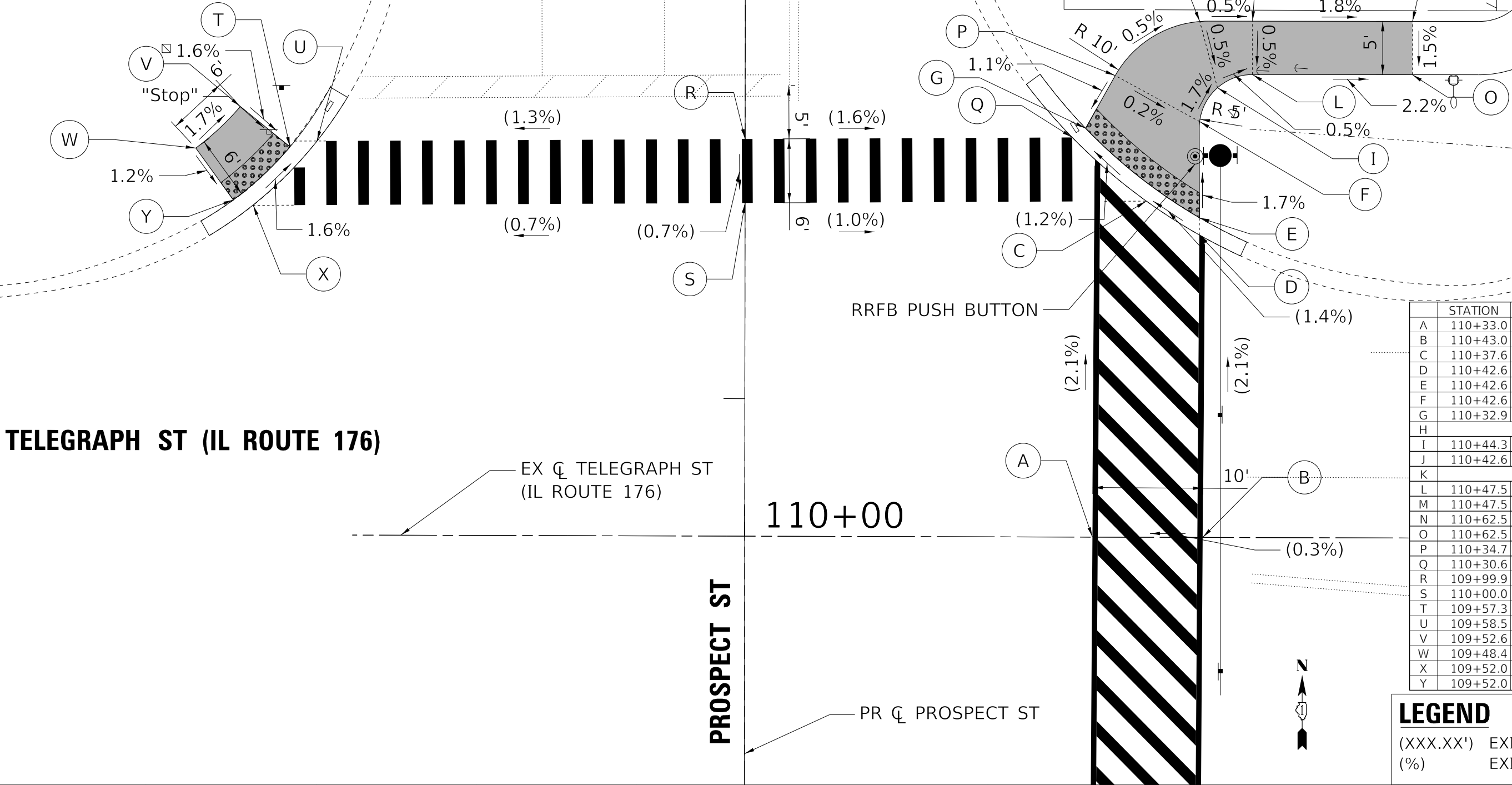
TELEGRAPH ST (IL ROUTE 176)

EX CL TELEGRAPH ST
(IL ROUTE 176)

PROSPECT ST

PR CL PROSPECT ST

110+00



	STATION	OFFSET	ELEVATION
A	110+33.0	CL	(811.25')
B	110+43.0	CL	(811.27')
C	110+37.6	31.6' LT	(810.59')
D	110+42.6	28.4' LT	(810.67')
E	110+42.6	30.0' LT	810.67'
F	110+42.6	39.0' LT	810.52'
G	110+32.9	38.3' LT	810.48'
H	NOT USED		
I	110+44.3	42.2' LT	810.46'
J	110+42.6	48.4' LT	810.49'
K	NOT USED		
L	110+47.5	43.4' LT	810.44'
M	110+47.5	48.4' LT	810.46'
N	110+62.5	48.4' LT	810.20'
O	110+62.5	43.4' LT	810.12'
P	110+34.7	43.3' LT	810.54'
Q	110+30.6	37.5' LT	(810.48')
R	109+99.9	37.2' LT	(810.99')
S	110+00.0	31.2' LT	(810.95')
T	109+57.3	36.5' LT	810.47'
U	109+58.5	35.5' LT	(810.46')
V	109+52.6	40.2' LT	810.57'
W	109+48.4	36.3' LT	810.67'
X	109+52.0	31.4' LT	(810.61')
Y	109+52.0	31.4' LT	810.59'

LEGEND

(XXX.XX') EXISTING ELEVATION
(%) EXISTING SLOPE

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillr	DESIGNED - JDM	REVISED -
DRAWN - KAR	REVISED -	
PLOT SCALE = 5,0000 ' / in.	CHECKED - DJS	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

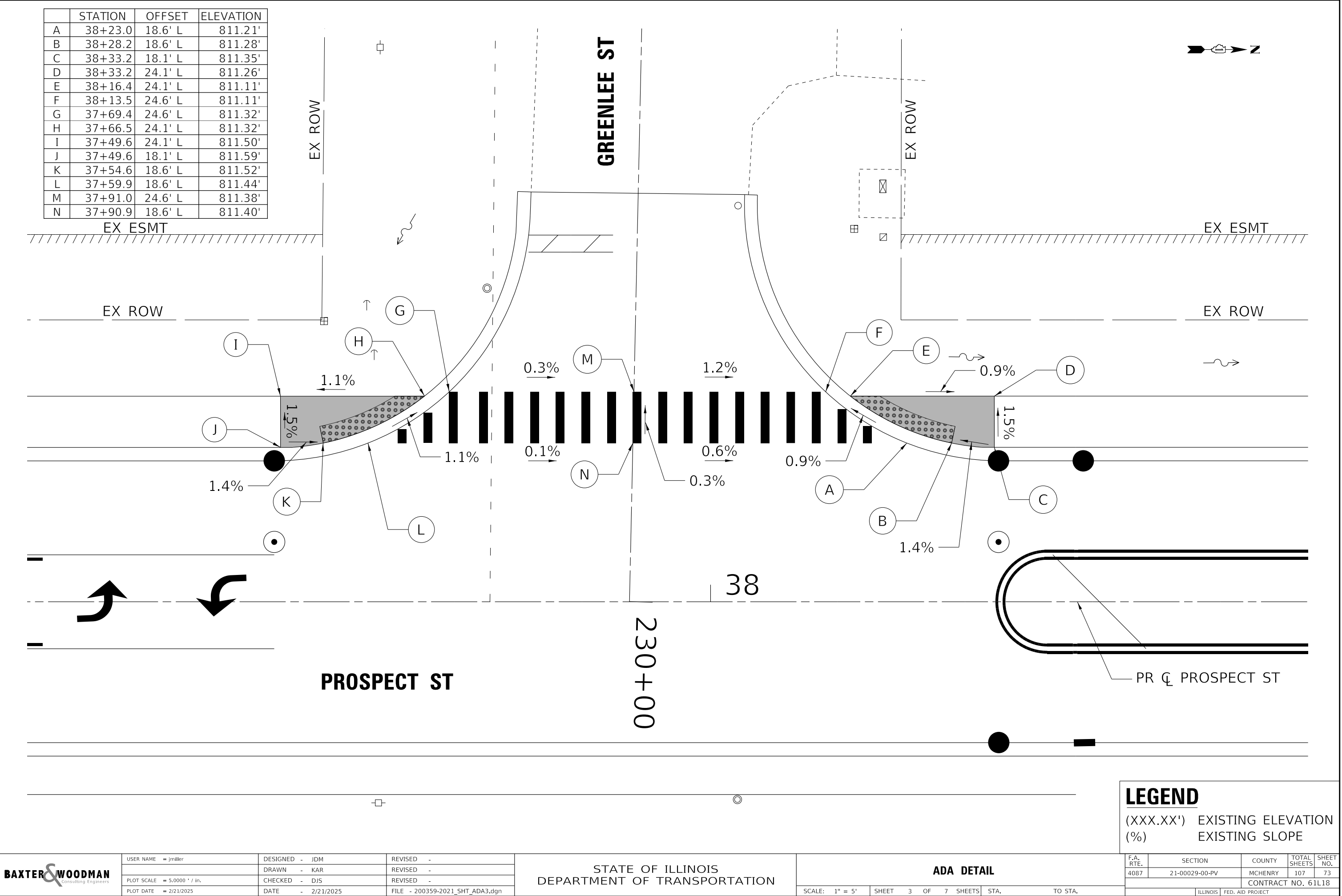
ADA DETAIL

SCALE: 1" = 5' SHEET 2 OF 7 SHEETS STA. TO STA.

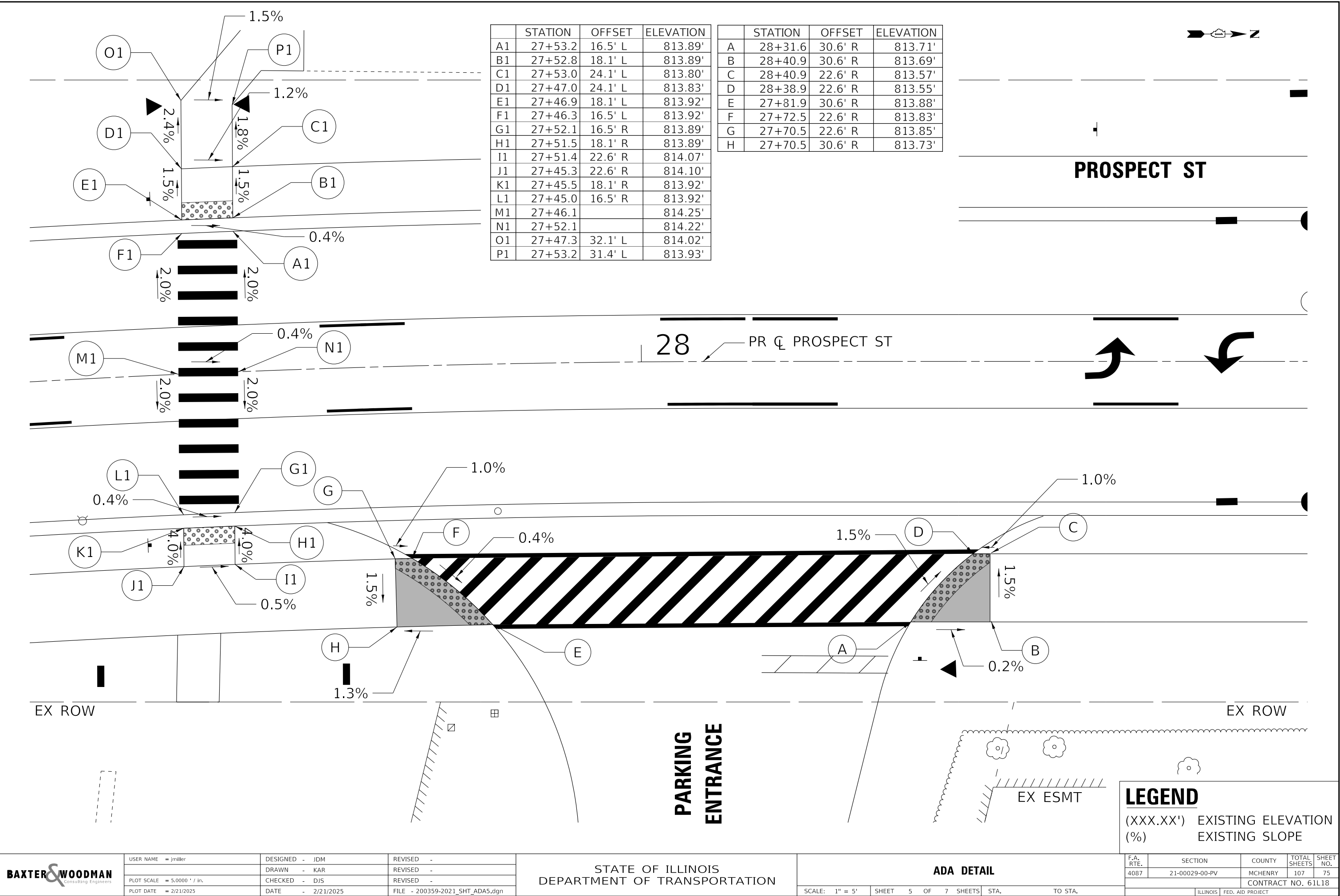
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4087	21-00029-00-PV	MCHENRY	107	72
CONTRACT NO. 611.18				
ILLINOIS FED. AID PROJECT				

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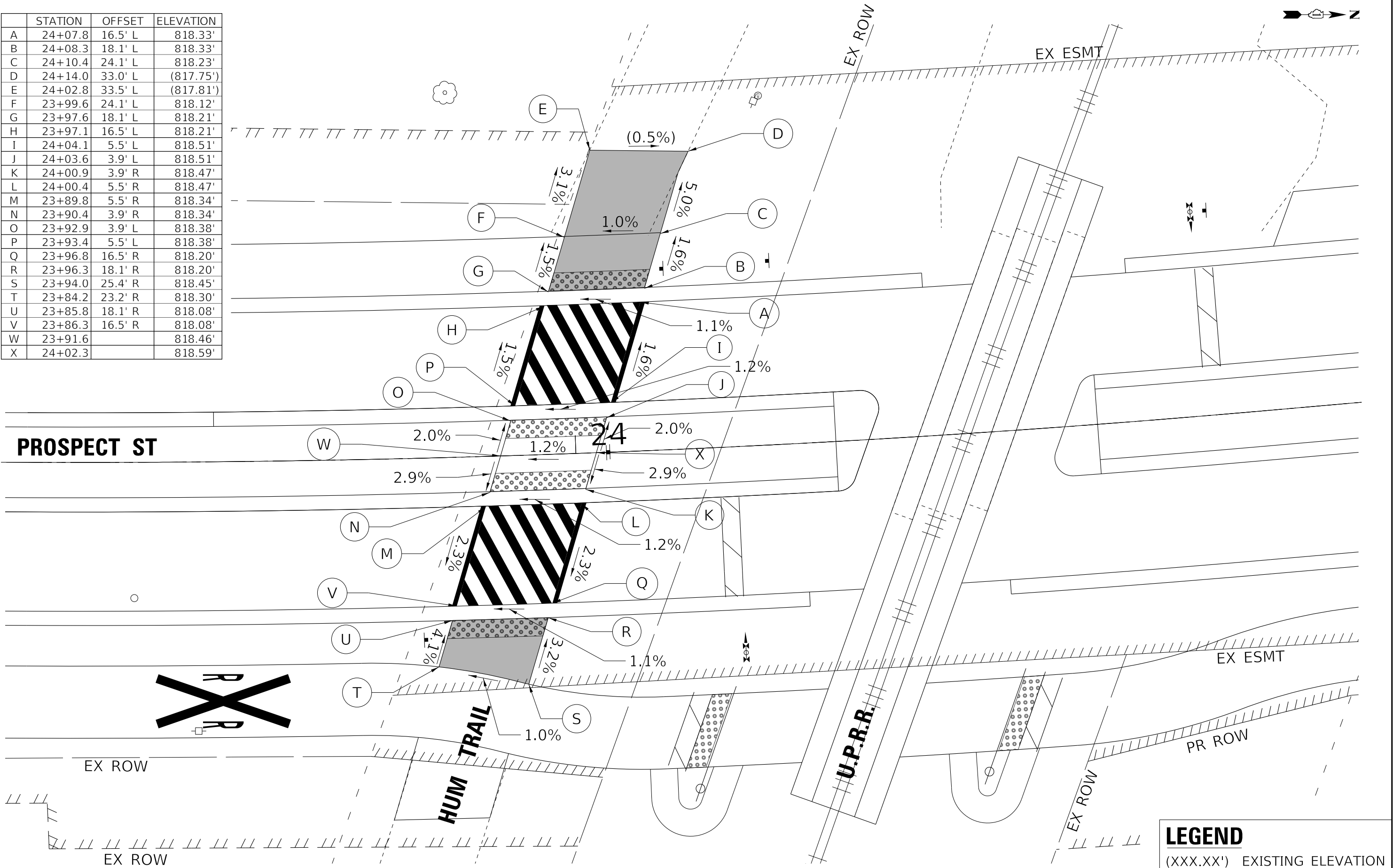


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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2025
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	STATION	OFFSET	ELEVATION
A	24+07.8	16.5' L	818.33'
B	24+08.3	18.1' L	818.33'
C	24+10.4	24.1' L	818.23'
D	24+14.0	33.0' L	(817.75')
E	24+02.8	33.5' L	(817.81')
F	23+99.6	24.1' L	818.12'
G	23+97.6	18.1' L	818.21'
H	23+97.1	16.5' L	818.21'
I	24+04.1	5.5' L	818.51'
J	24+03.6	3.9' L	818.51'
K	24+00.9	3.9' R	818.47'
L	24+00.4	5.5' R	818.47'
M	23+89.8	5.5' R	818.34'
N	23+90.4	3.9' R	818.34'
O	23+92.9	3.9' L	818.38'
P	23+93.4	5.5' L	818.38'
Q	23+96.8	16.5' R	818.20'
R	23+96.3	18.1' R	818.20'
S	23+94.0	25.4' R	818.45'
T	23+84.2	23.2' R	818.30'
U	23+85.8	18.1' R	818.08'
V	23+86.3	16.5' R	818.08'
W	23+91.6		818.46'
X	24+02.3		818.59'



BAXTER & WOODMAN
Consulting Engineers

USER NAME = jimiller	DESIGNED - JDM	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJS	REVISED -
PLOT DATE = 2/21/2025	DATE - 2/21/2025	FILE - 200359-2021_SHT_ADA6.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL

SCALE: 1" = 5' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	76
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

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BAXTER WOODMAN
Consulting Engineers

DESIGNED - AKS	REVISED -
DRAWN - MJO	REVISED -
CHECKED - DJS	REVISED -
DATE - 2/21/2025	FILE - 200359-2021_SHT_Details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

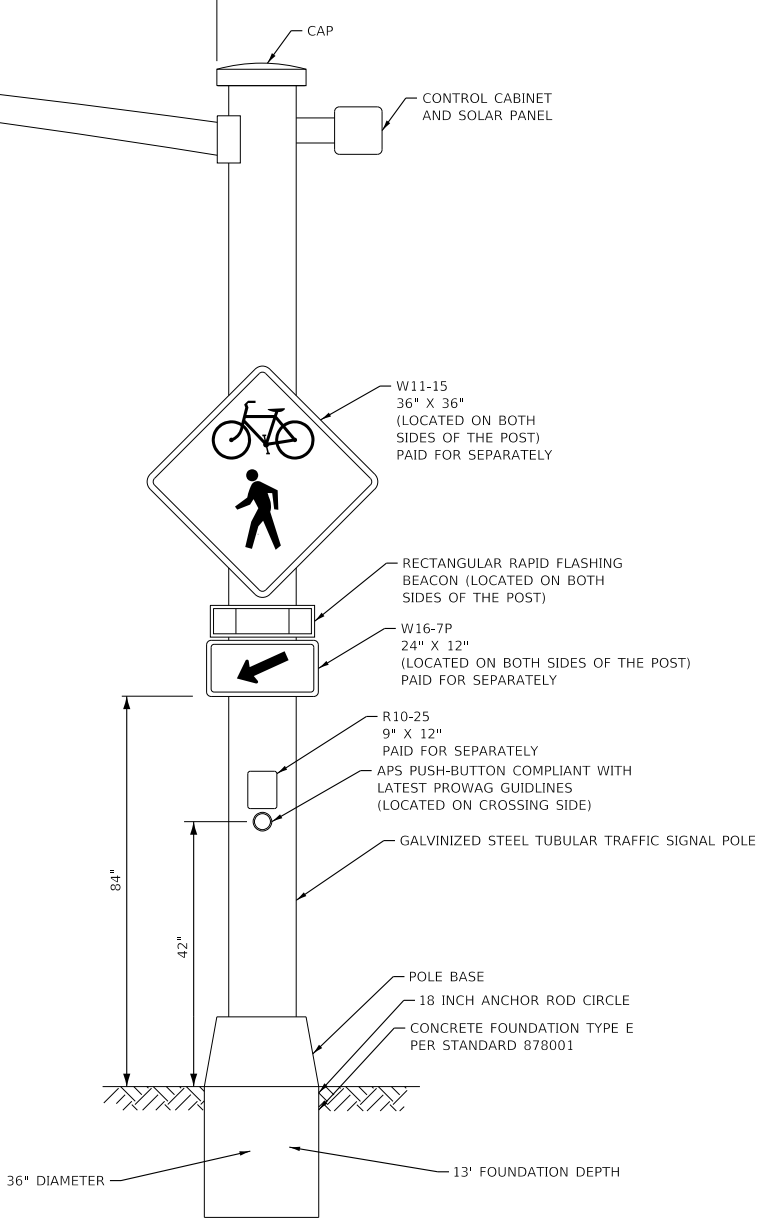
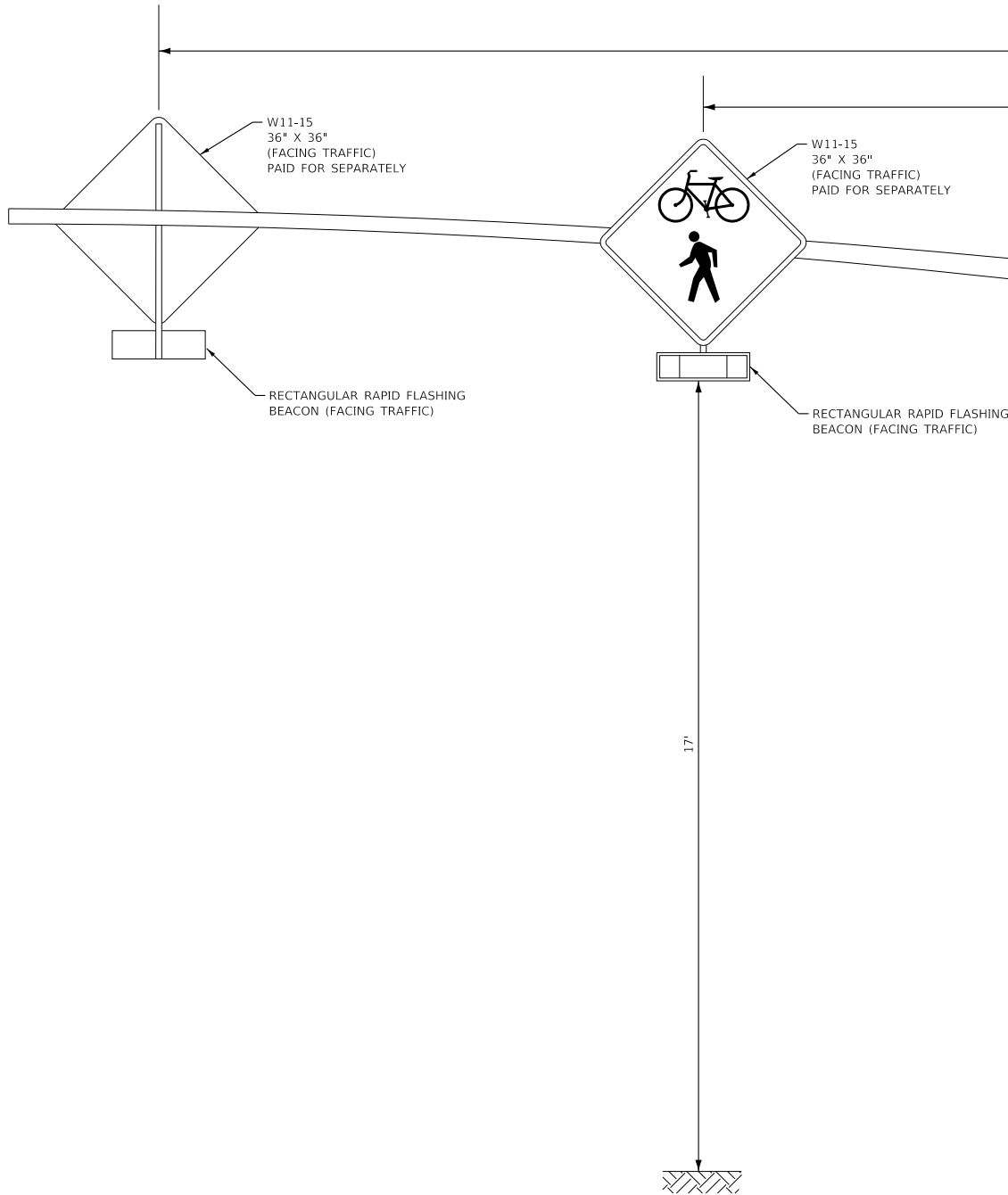
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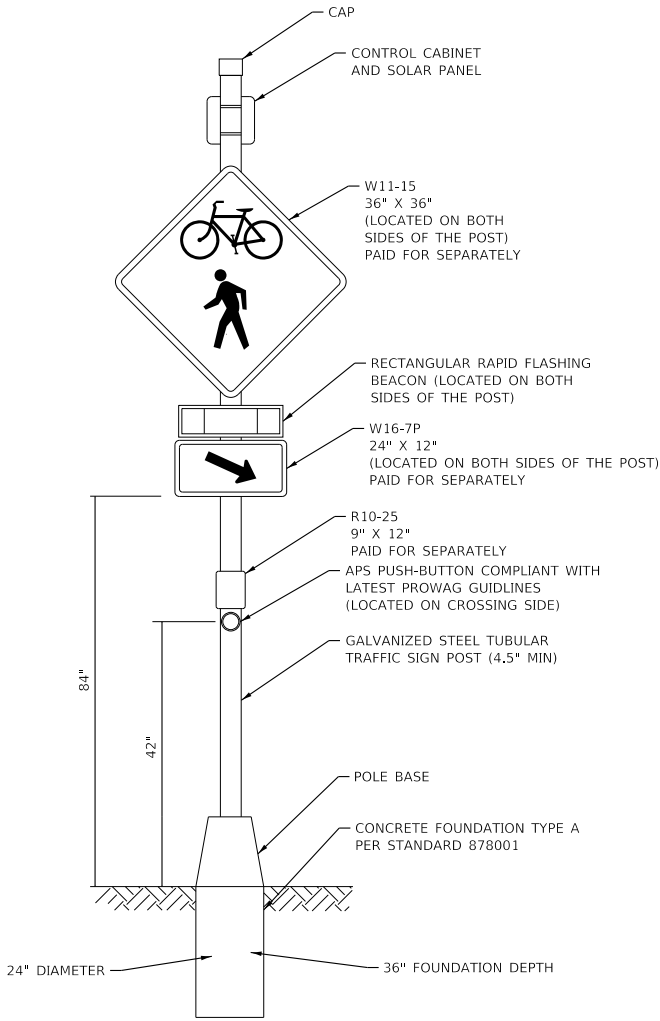
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4087	21-00029-00-PV	MCHENRY	107	78
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

ITEMS INCLUDED IN RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)		
ITEM	UNIT	QUANTITY
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
TRAFFIC SIGNAL POST, 18 FT.	EACH	1
RECTANGULAR RAPID FLASHING BEACON	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS PUSH BUTTON	EACH	2
CONTROL CABINET AND SOLAR PANEL	EACH	2

POSTS				
POLE ID	STATION	OFFSET	POST TYPE	FOUNDATION
1	110+47.1	46.7' RT	RRFB MOUNTED TO POLE	TYPE A, 24" DIA, 4'
2	110+44.6	35.6' LT	RRFB MOUNTED TO MAST ARM	TYPE E, 36" DIA, 13'

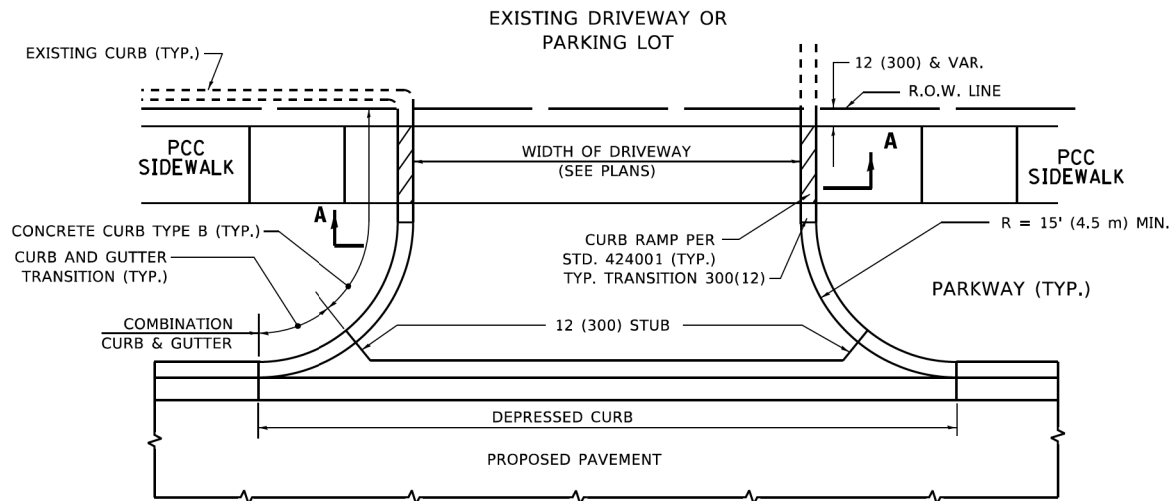


MAST ARM ASSEMBLY

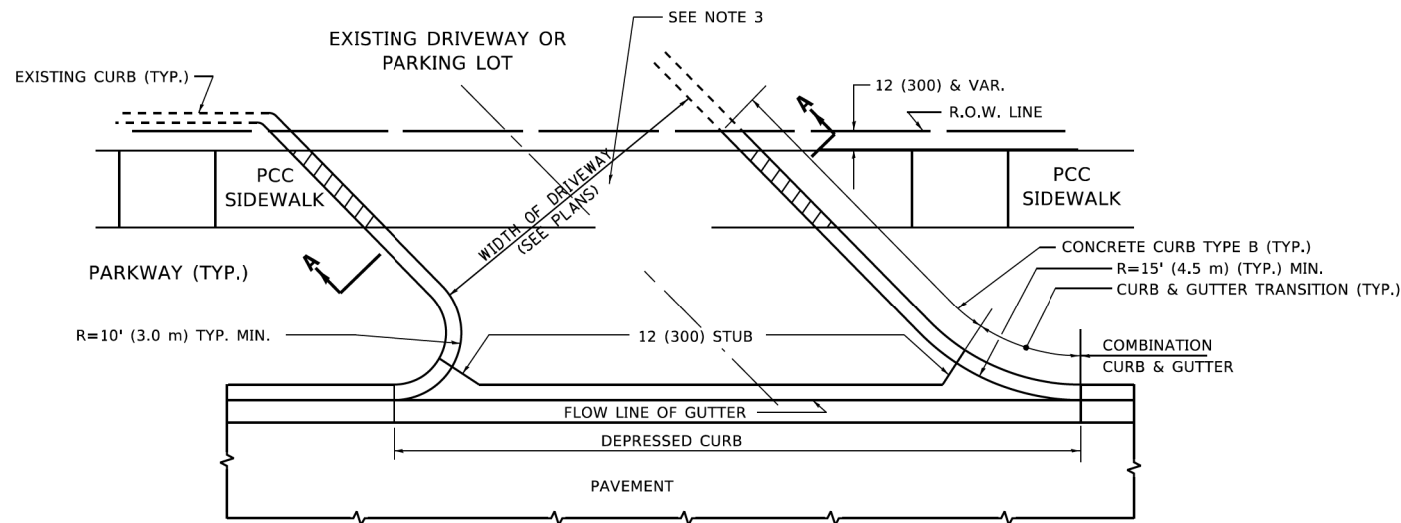


POLE ASSEMBLY

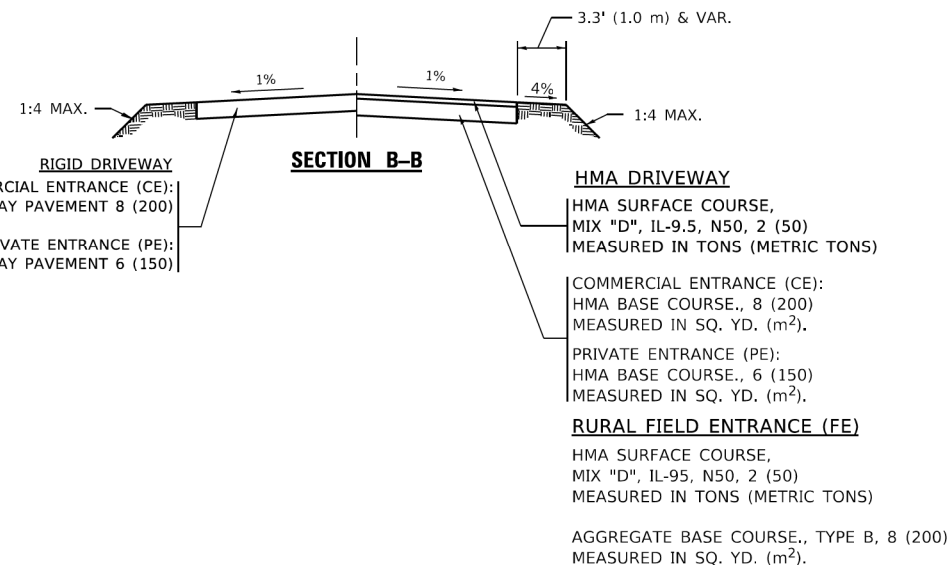
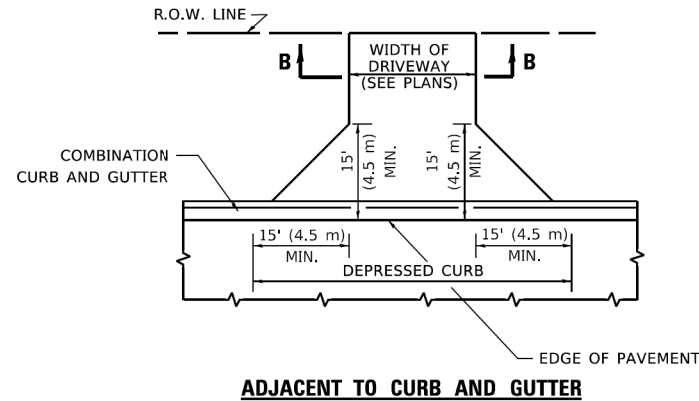
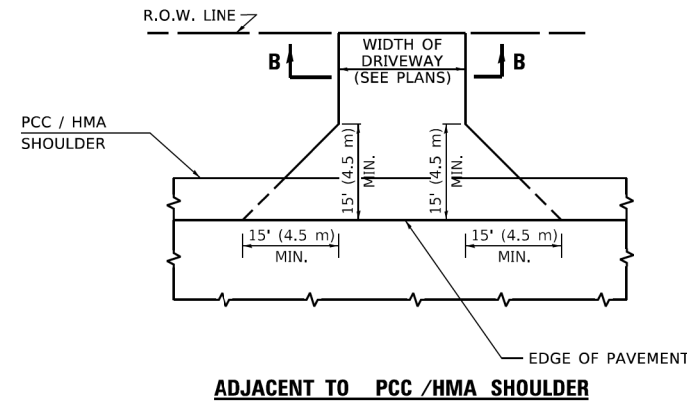
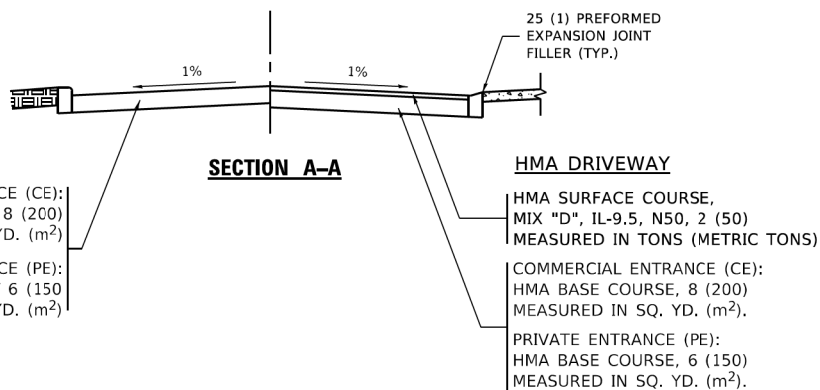
RECTANGULAR RAPID FLASHING BEACON
ASSEMBLY (COMPLETE)



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES

1. 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.
2. 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.

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

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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED - K. SMITH 08-28-19
PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

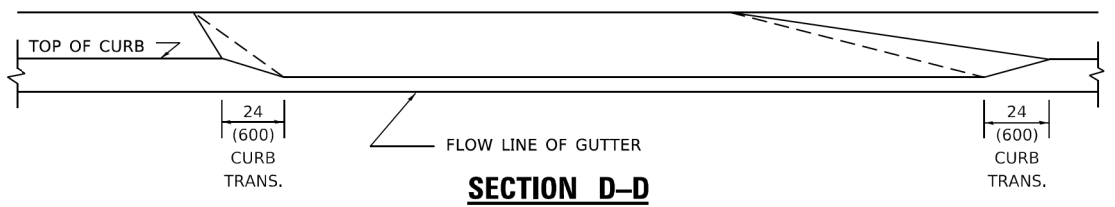
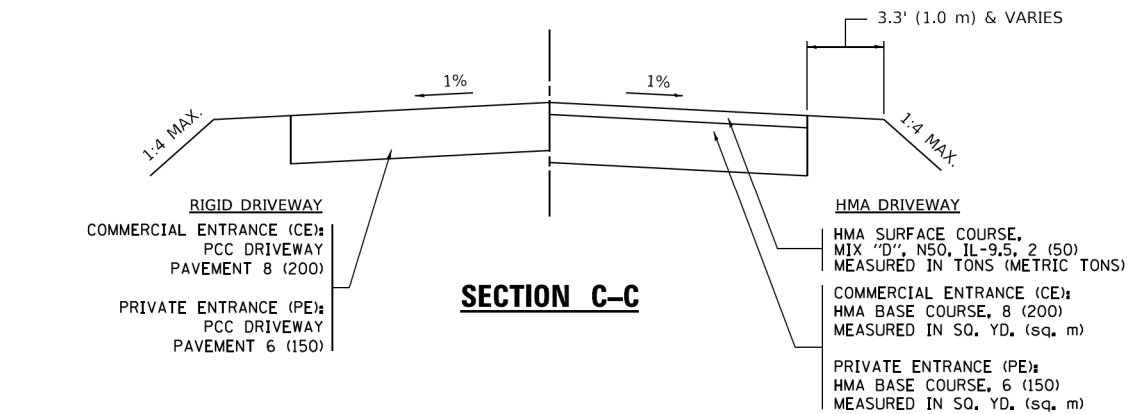
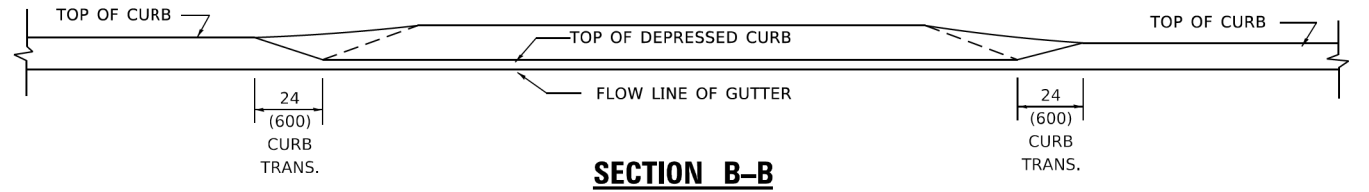
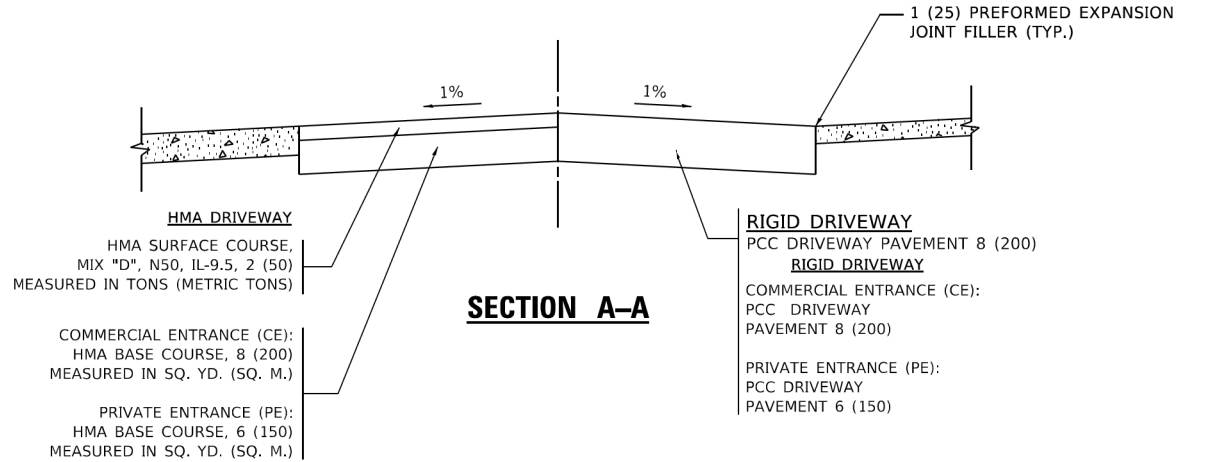
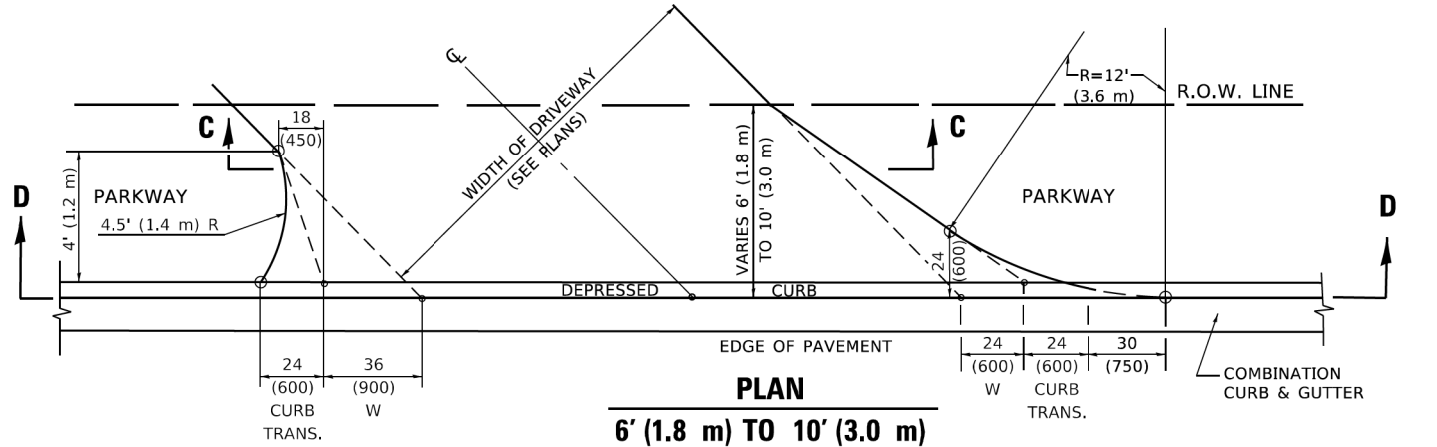
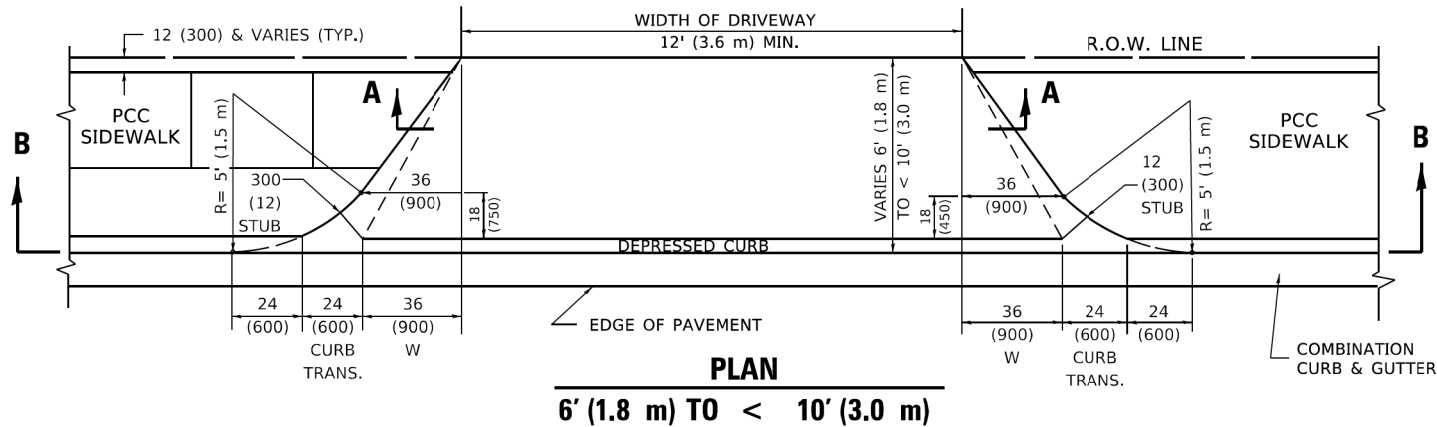
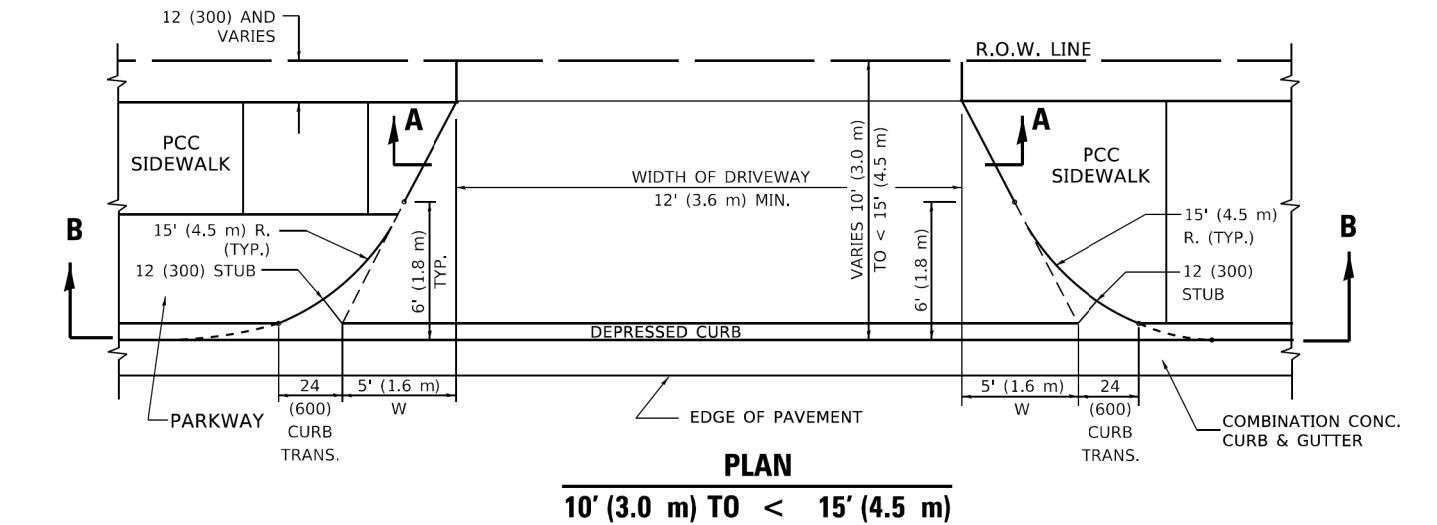
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	79
BD400-01 (BD-01)		CONTRACT NO. 61L18		
		ILLINOIS FED. AID PROJECT		

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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 PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "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.

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22

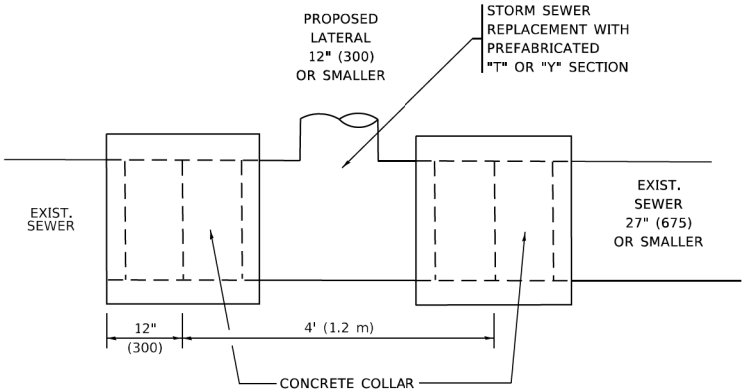
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

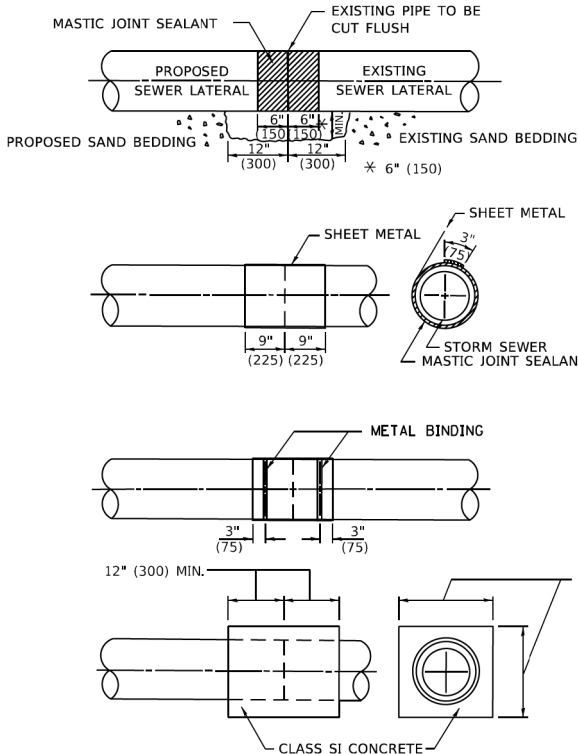
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	80
BD400-02 (BD-02)		CONTRACT NO. 61L18		
		ILLINOIS FED. AID PROJECT		

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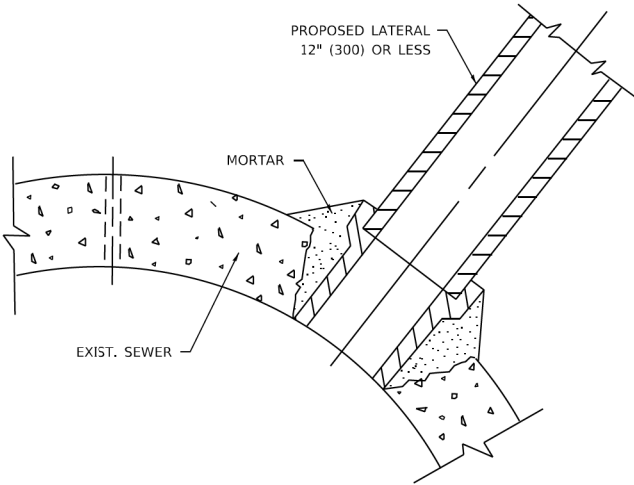
DETAIL "A"

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



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

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

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 OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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

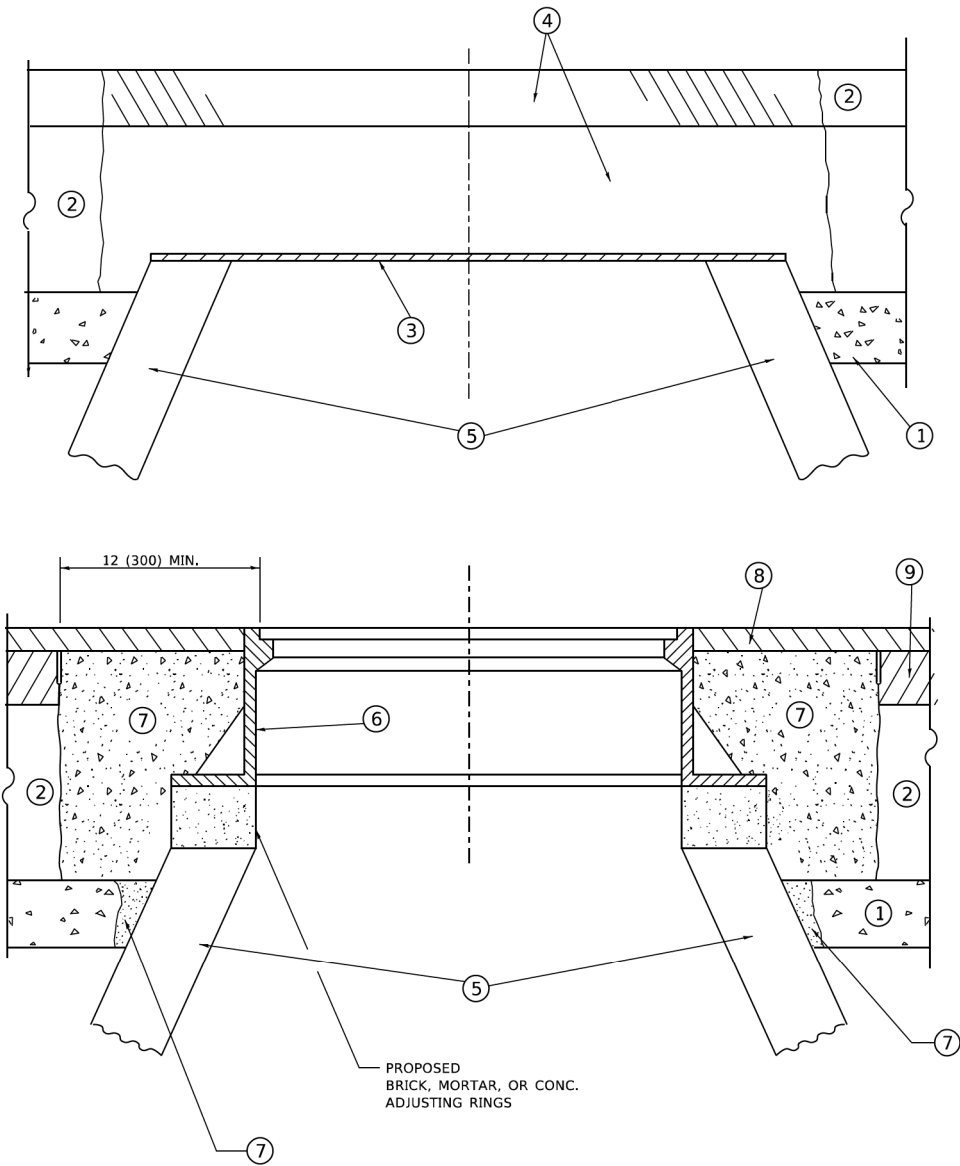
1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. 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.
2. 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.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE				SHEET 1 OF 1 SHEETS				4087	21-00029-00-PV	MCHENRY	107	81
PLOT SCALE = 100,000' / in.				PLOT DATE = 11/18/2022				BD500-01 (BD-07)				CONTRACT NO. 61L18
USER NAME = Lawrence,DeManche				DESIGNED - M. DE YONG				REVISED - R. SHAH 09-09-94				
DRAWN -				CHECKED -				REVISED - R. SHAH 10-25-94				
DATE - 07-25-90				REVISED - R. SHAH 06-12-96				REVISED - K. SMITH 11-18-22				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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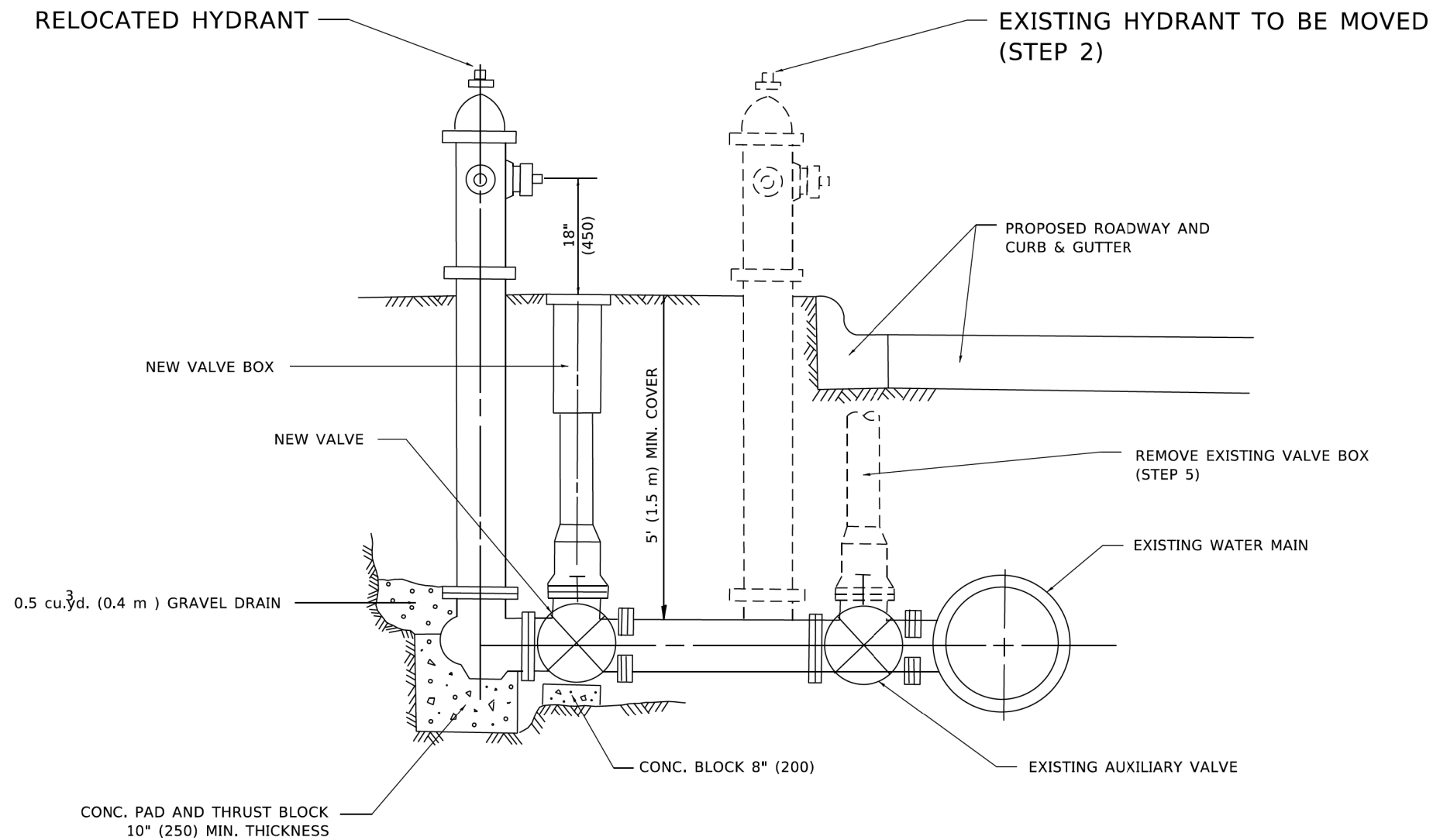
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PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	82
BD600-03 (BD-08)		CONTRACT NO. 61L18		
		ILLINOIS	FED. AID PROJECT	



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

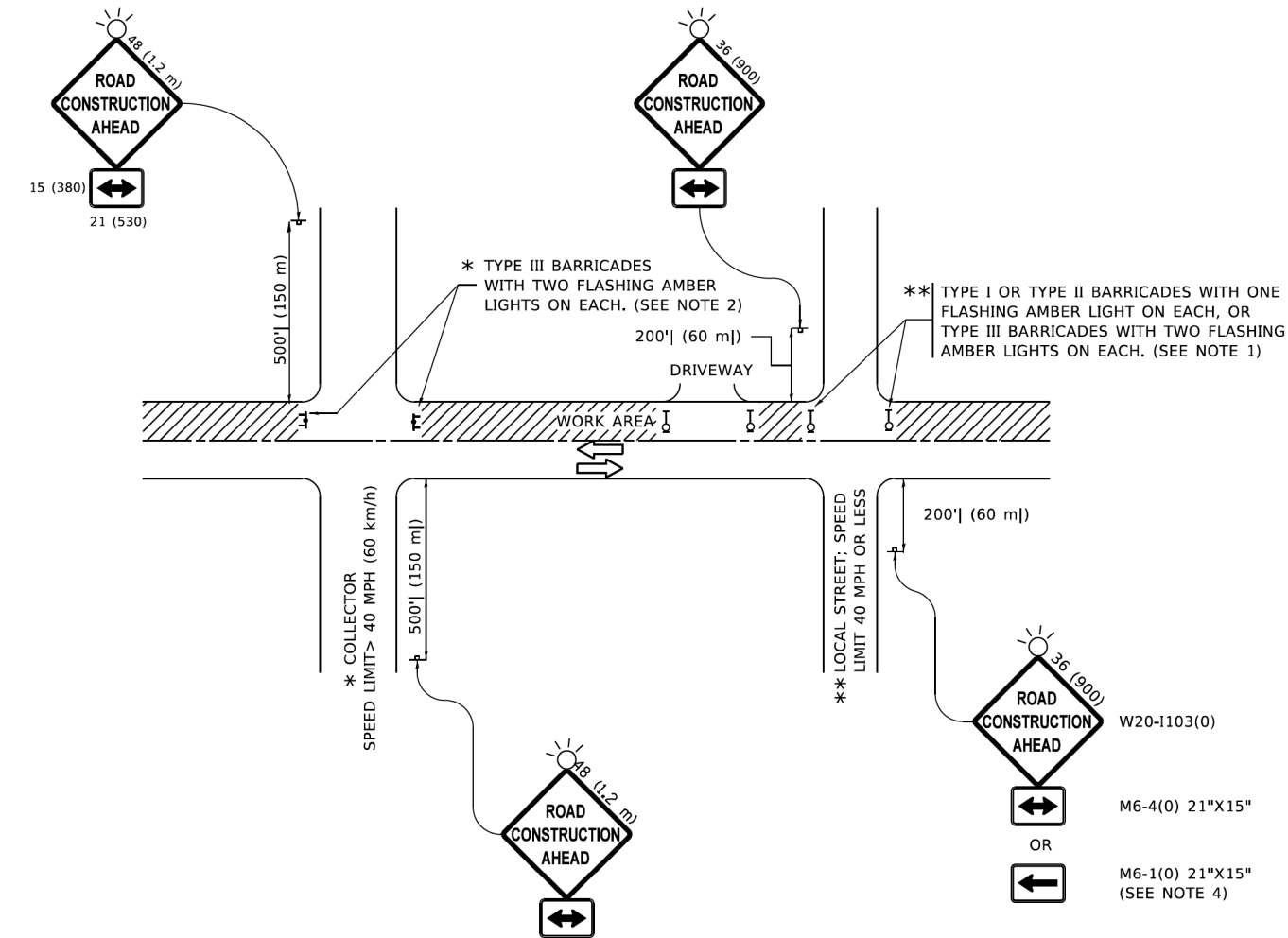
FIRE HYDRANT TO BE MOVED

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

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		DRAWN -	REVISED - R. SHAH 10-25-94					4087	21-00029-00-PV	MCHENRY	107	83
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	PLOT DATE = 11/18/2022	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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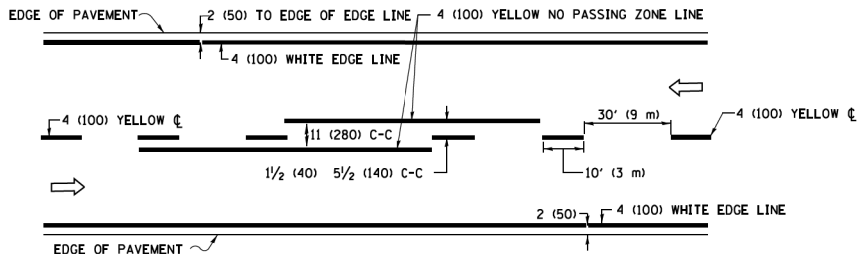
NOTES:

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

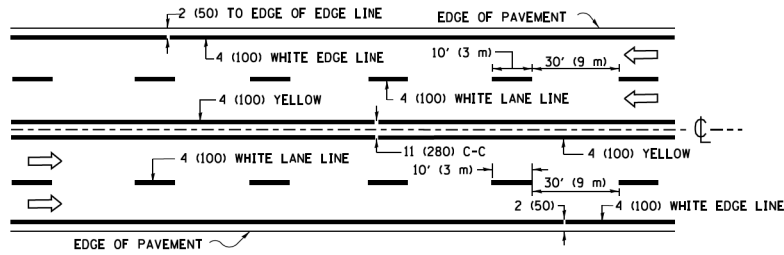
All dimensions are in inches (millimeters)
unless otherwise shown.

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		DRAWN -	REVISED - A. SCHUETZE 07-01-13						4087	21-00029-00-PV	MCHENRY	107	84
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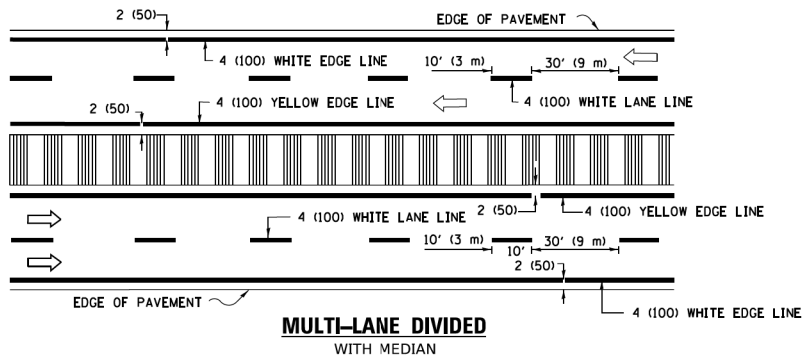
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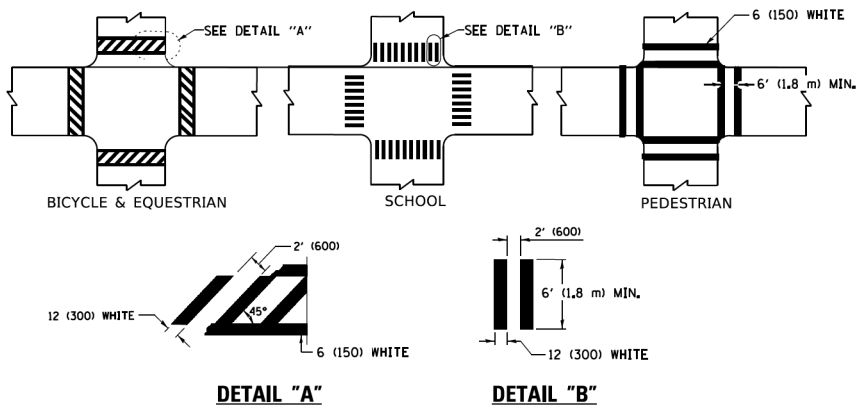
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

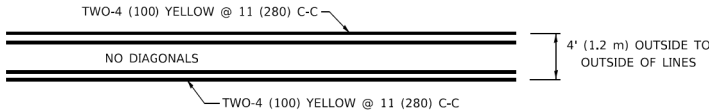


TYPICAL LANE AND EDGE LINE MARKING

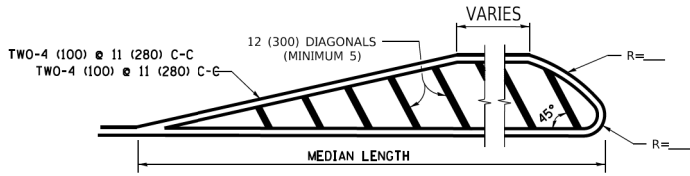


TYPICAL CROSSWALK MARKING

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

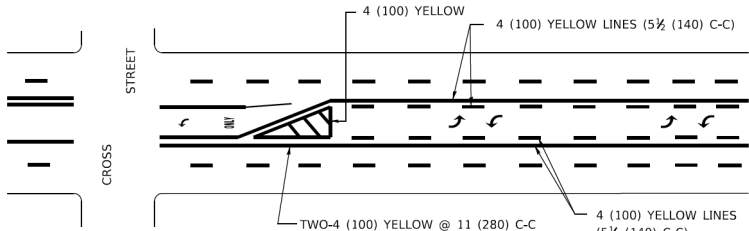


4' (1.2 m) WIDE MEDIANS ONLY

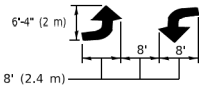


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

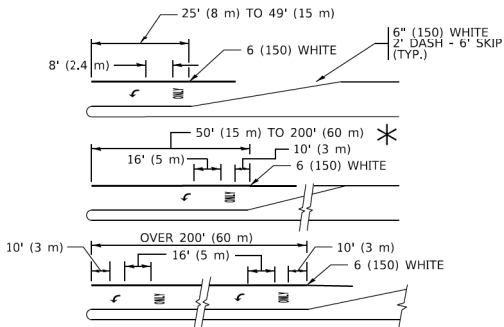


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

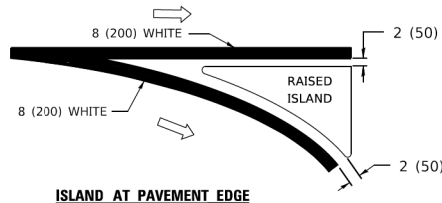
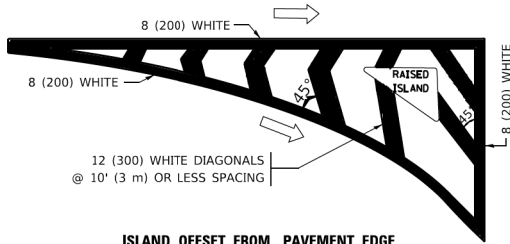


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

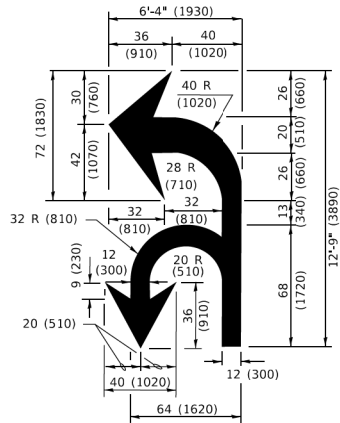
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

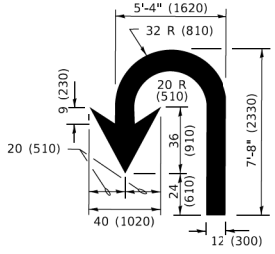
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



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	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	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; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

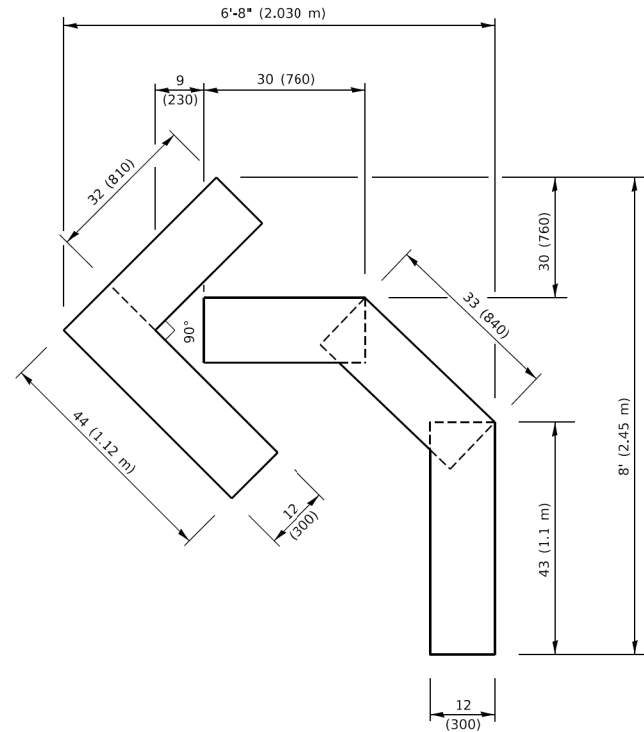
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	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000' / 1 in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

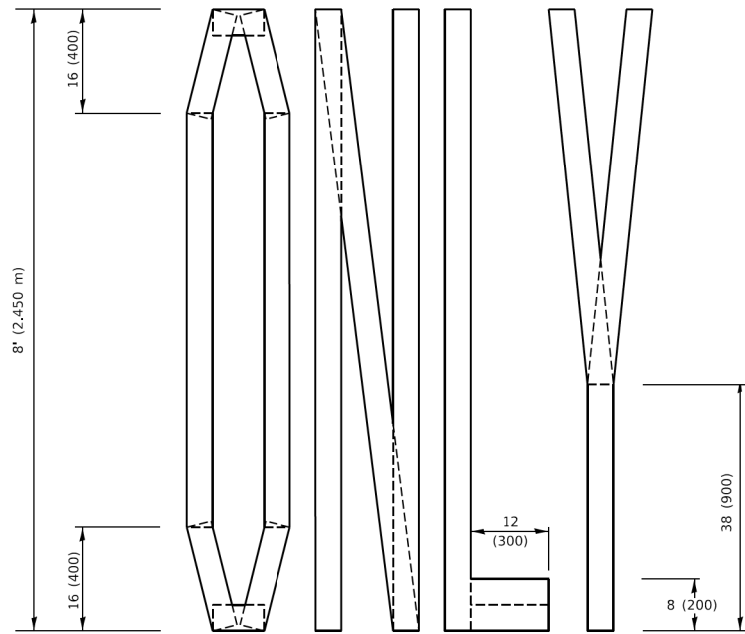
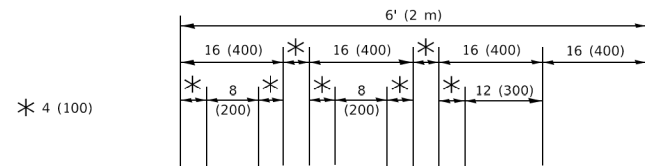
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	85
TC-13		CONTRACT NO. 61L18		
		ILLINOIS FED. AID PROJECT		



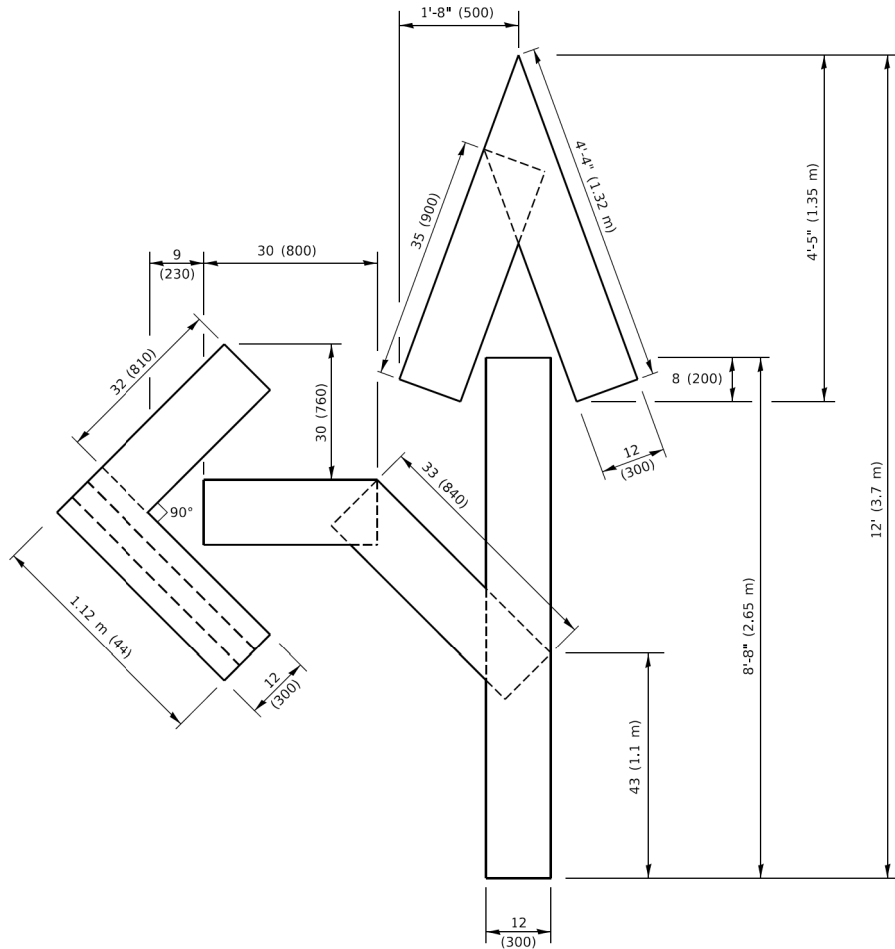
QUANTITY

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)

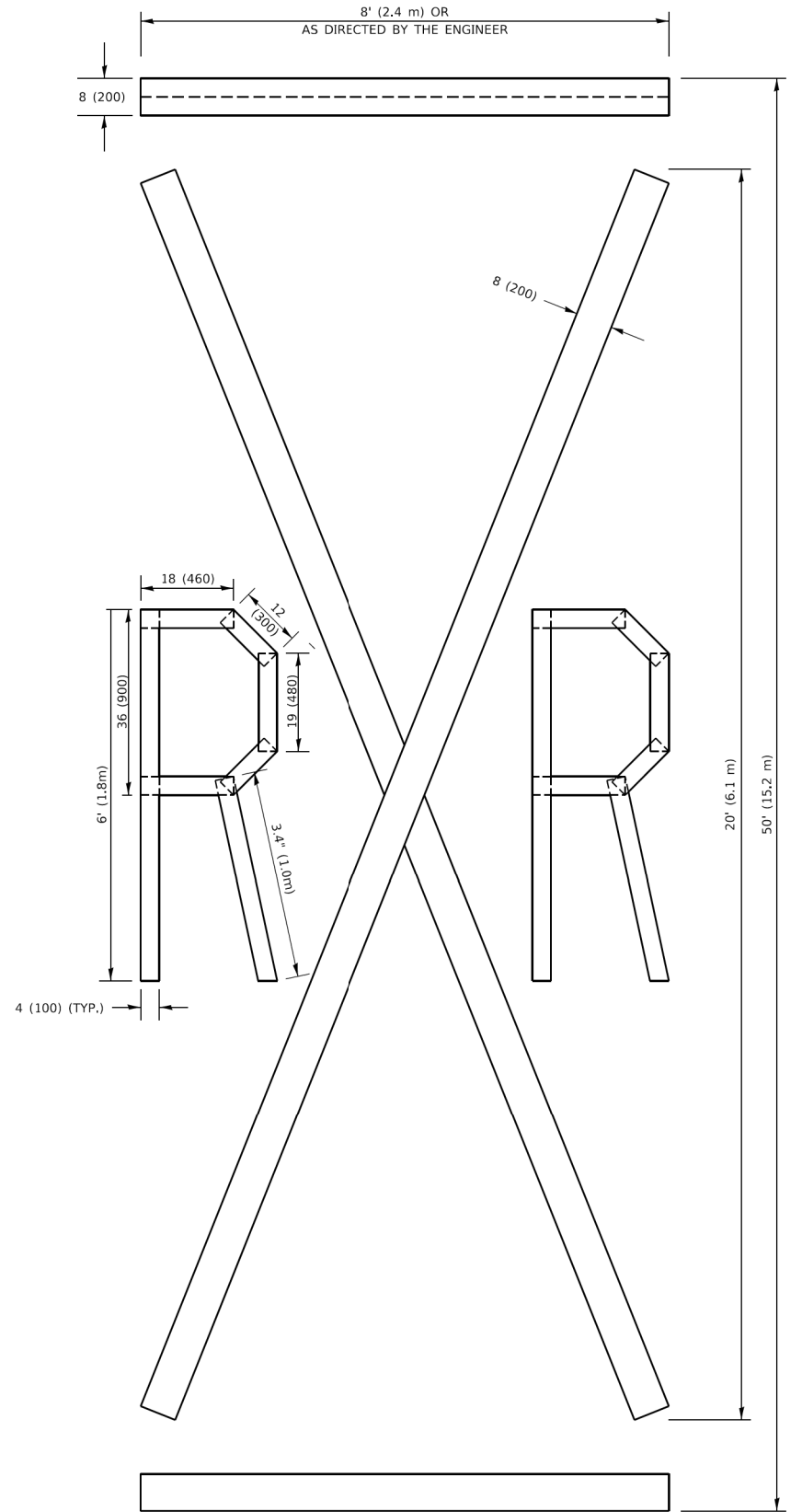


QUANTITY

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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MODEL: Default
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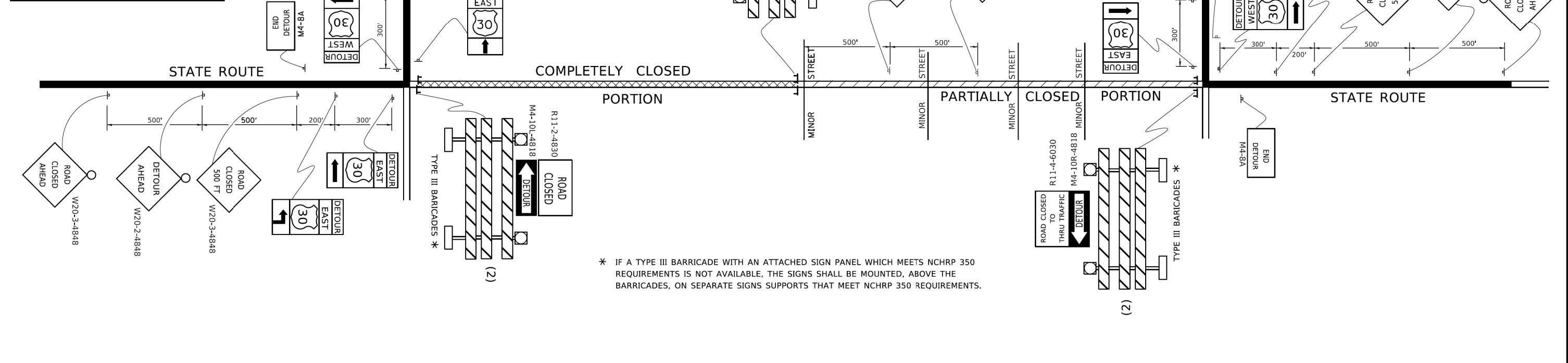
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 " / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

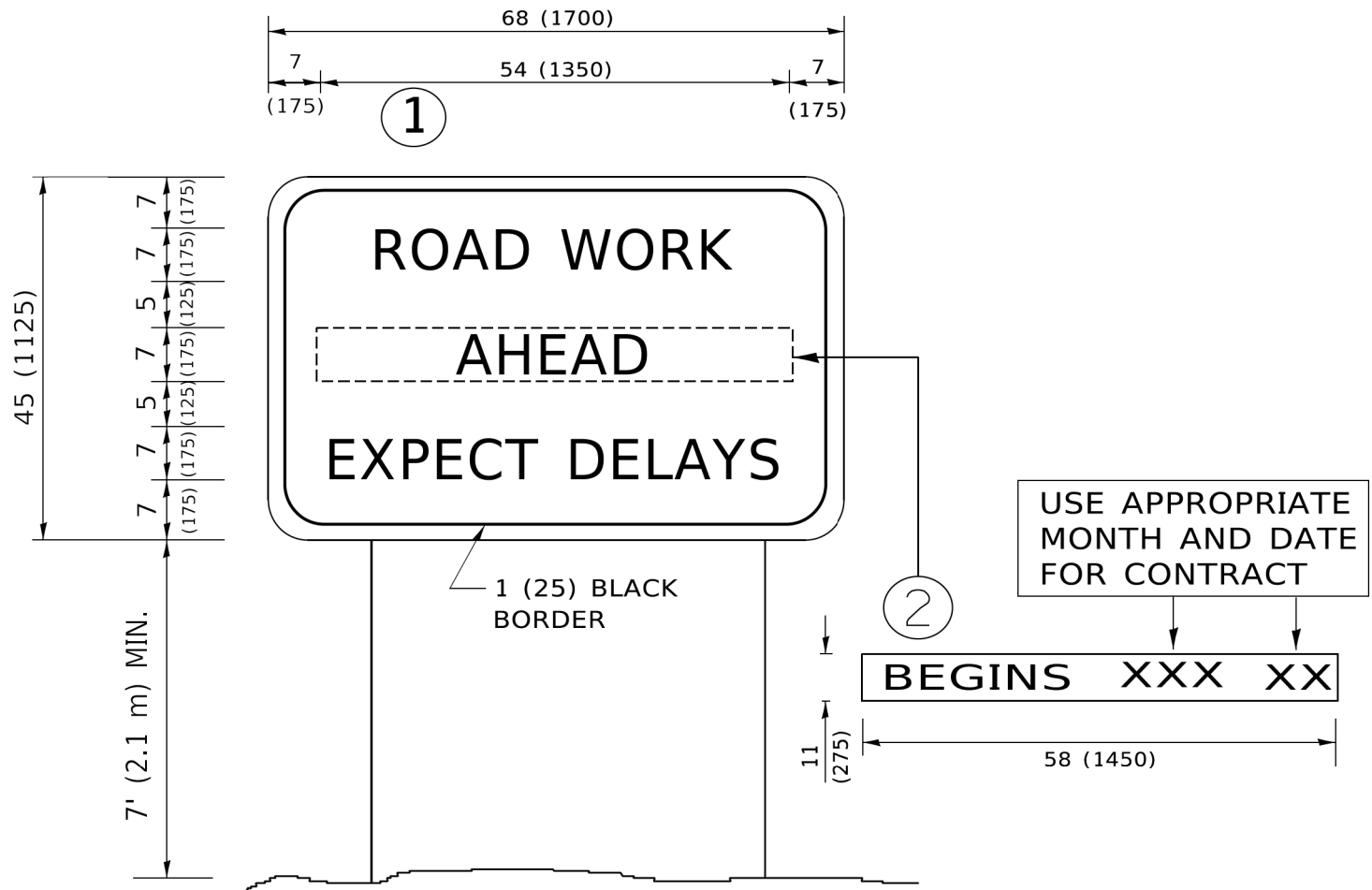
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	86
TC-16		CONTRACT NO. 61L18		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = [ooterm]	DESIGNED -	REVISED - 10-18-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-14-09						4087	21-00029-00-PV	MCHENRY	107	87
PLOT SCALE = 50,000' / 1"	CHECKED -	REVISED -		TC-21				CONTRACT NO. 611L18				
PLOT DATE = 3/4/2019	DATE -	REVISED -						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.
							ILLINOIS		FED. AID PROJECT			

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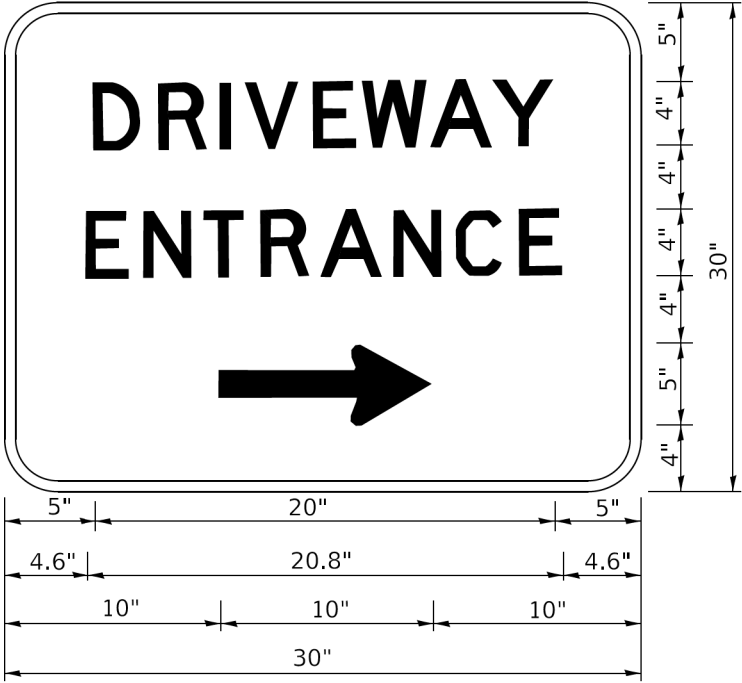


NOTES:

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 SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

	USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						4087	21-00029-00-PV	MCHENRY	107	88
	PLOT SCALE = 50,0000 ' / in.	CHECKED -T. RAMMACHER 02-02-99	TC-22						CONTRACT NO. 61L18				
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE		SHEET 1	OF 1 SHEETS	STA.	TO STA.			
							ILLINOIS FED. AID PROJECT						



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

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

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MODEL: Default
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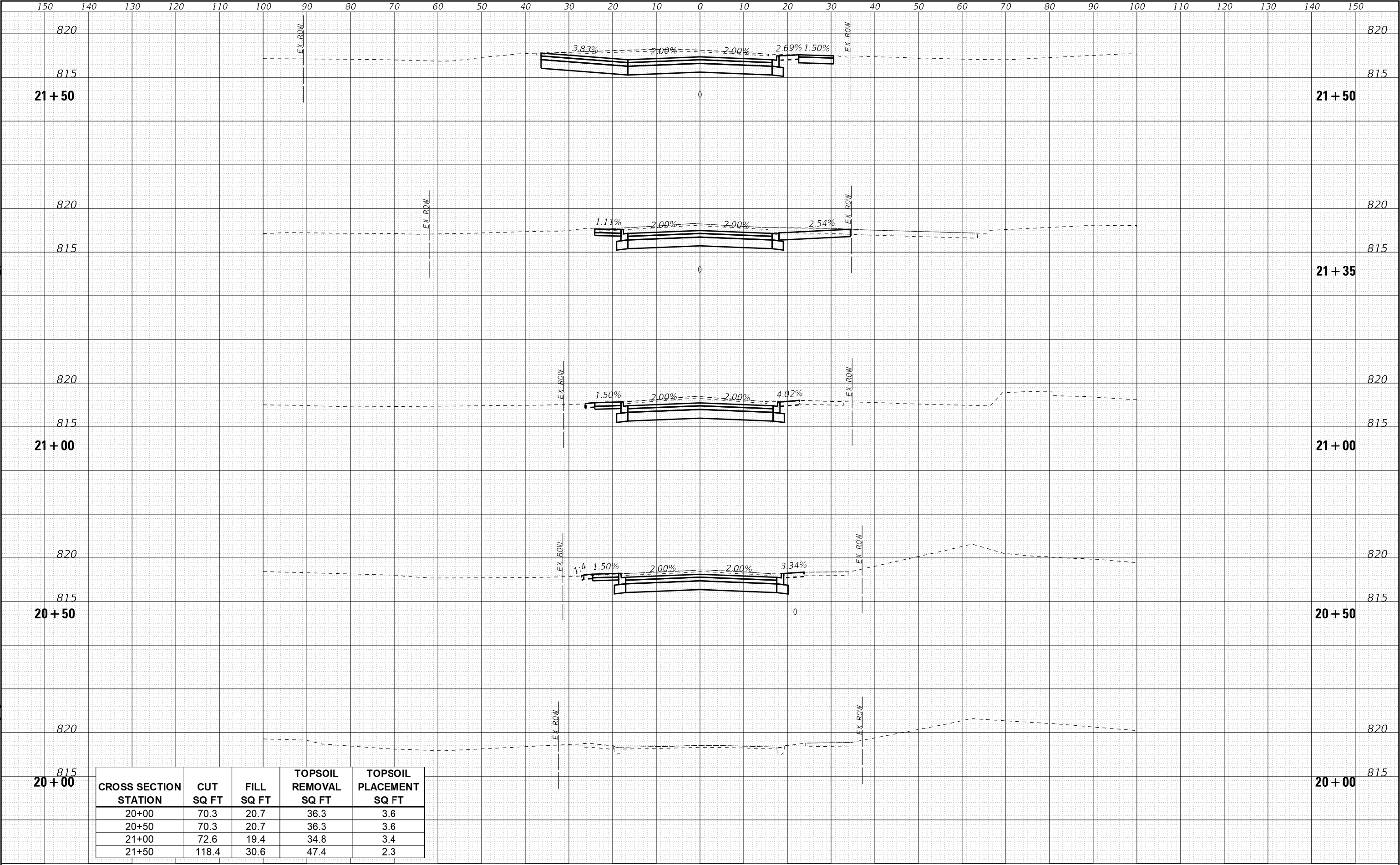
	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					4087	21-00029-00-PV	MCHENRY	107	89
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	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	CHECKED		

21 + 35

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	CHECKED		

20 + 50

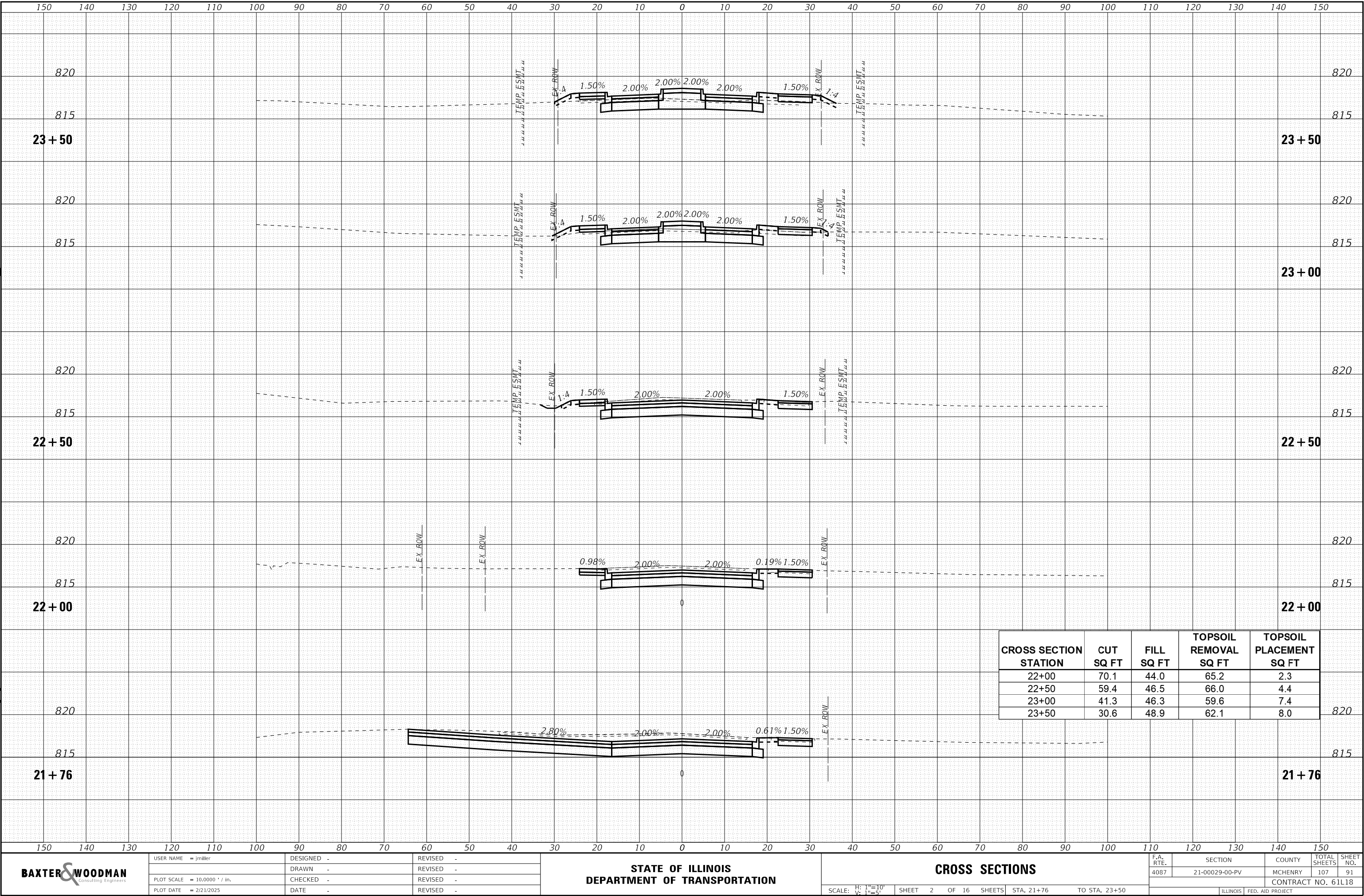


CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
20+00	70.3	20.7	36.3	3.6
20+50	70.3	20.7	36.3	3.6
21+00	72.6	19.4	34.8	3.4
21+50	118.4	30.6	47.4	2.3

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

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

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CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
22+00	70.1	44.0	65.2	2.3
22+50	59.4	46.5	66.0	4.4
23+00	41.3	46.3	59.6	7.4
23+50	30.6	48.9	62.1	8.0

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

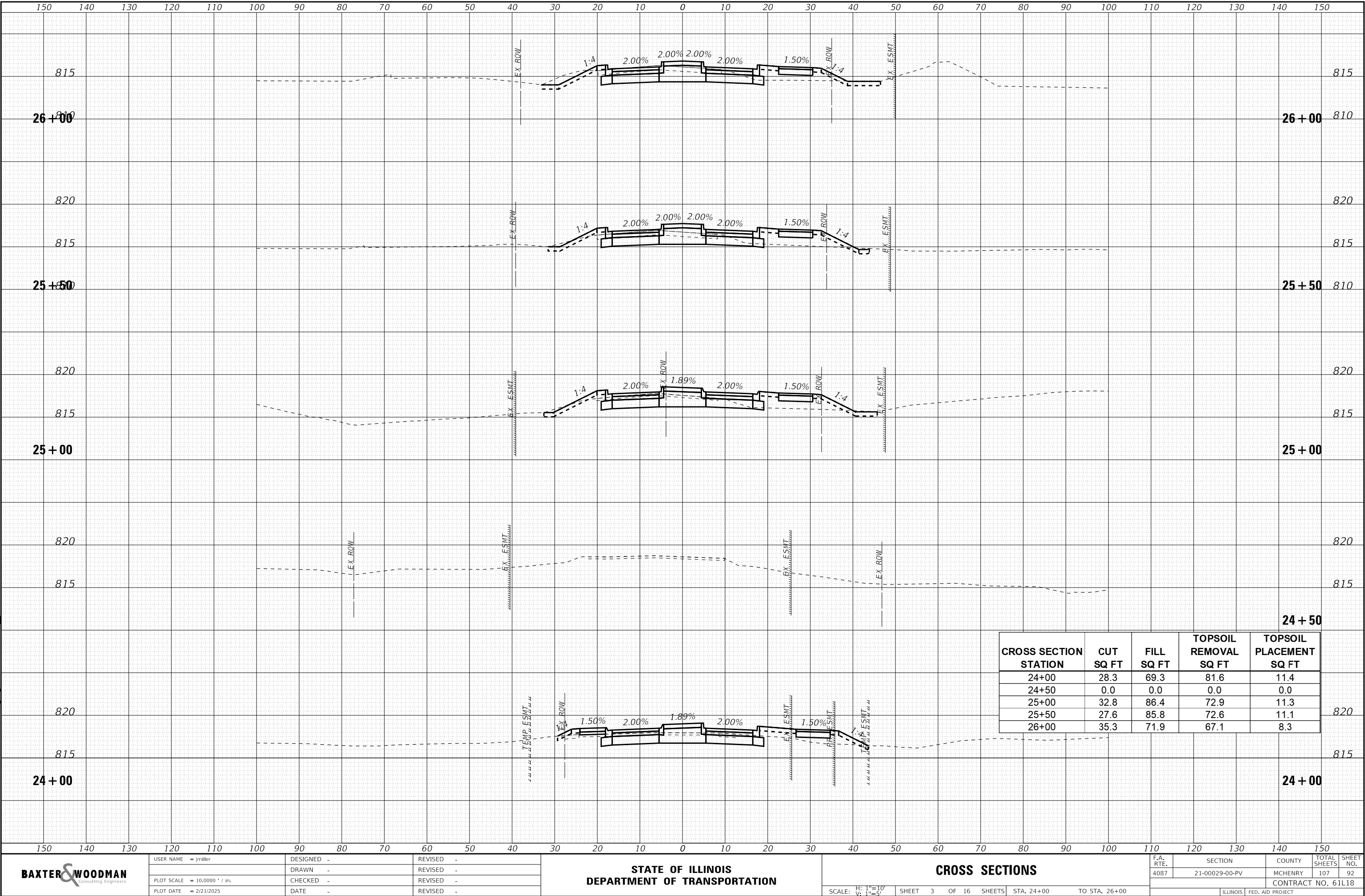
SCALE: H: 1"=10'
V: 1"=5'
SHEET 2 OF 16 SHEETS
STA. 21+76 TO STA. 23+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	91
				CONTRACT NO. 61L18
				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY	NO. _____	SURVEYED _____	BY 24 + 5	DATE _____
		PLOTTED _____		
		TEMPLATE _____		
		AREAS _____		
		CHECKED _____		
NOTE BOOK				

MODEL: Default
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BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'

SHEET 3 OF 16 SHEETS

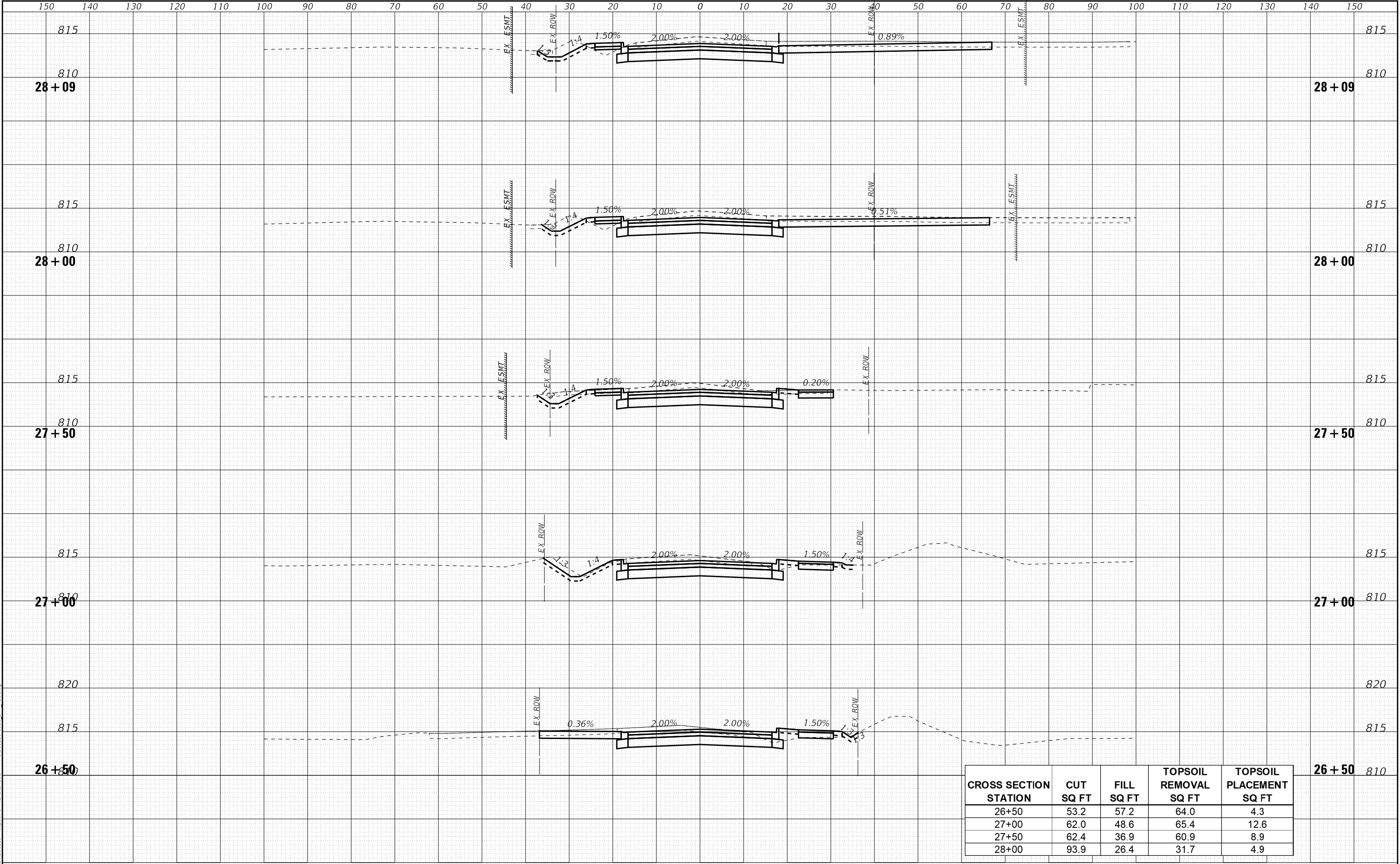
STA. 24+00 TO STA. 26+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	92
		CONTRACT NO. 61L18		
		ILLINOIS FED. AID PROJECT		

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

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

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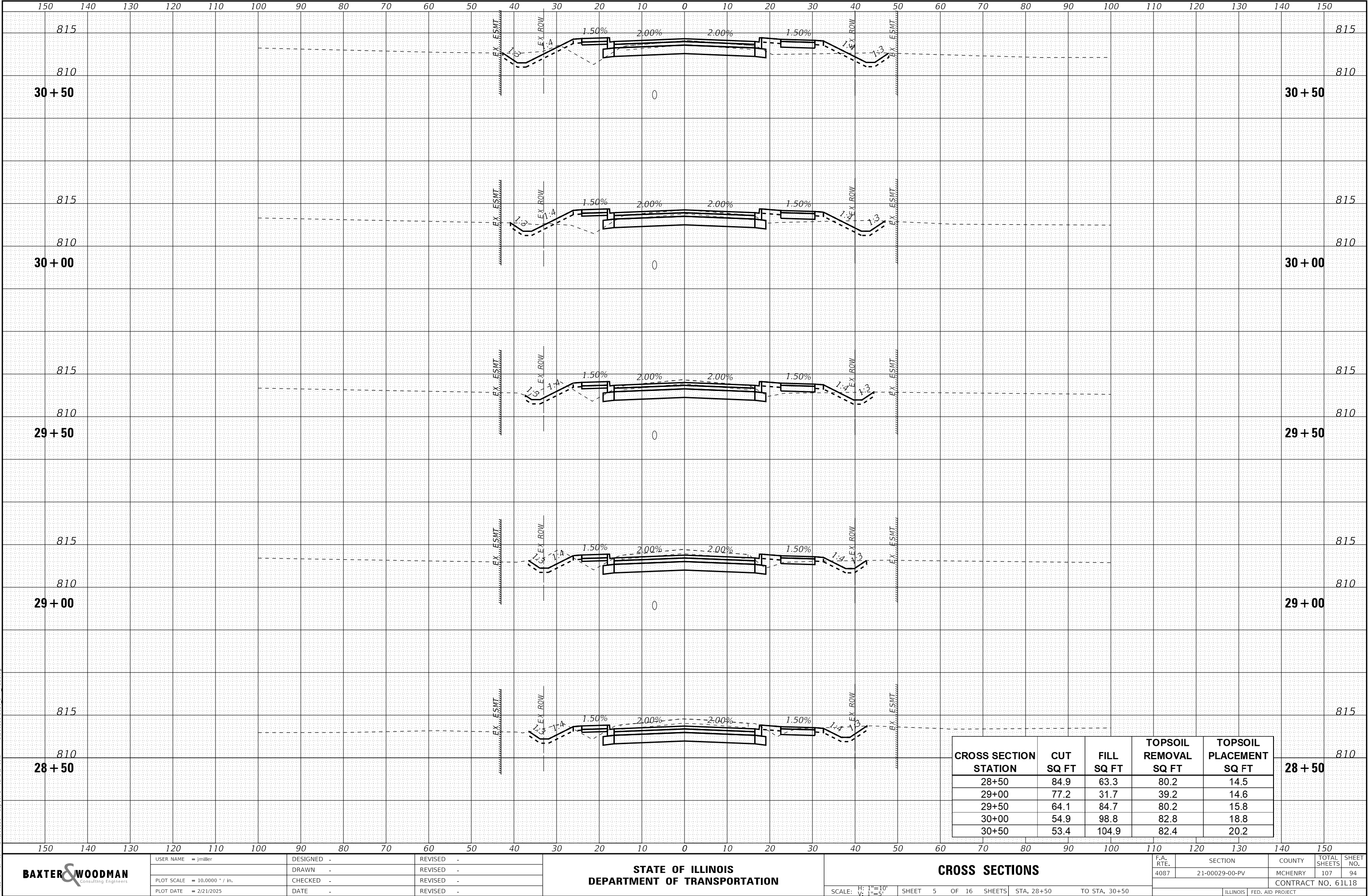


CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
26+50	53.2	57.2	64.0	4.3
27+00	62.0	48.6	65.4	12.6
27+50	62.4	36.9	60.9	8.9
28+00	93.9	26.4	31.7	4.9

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

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

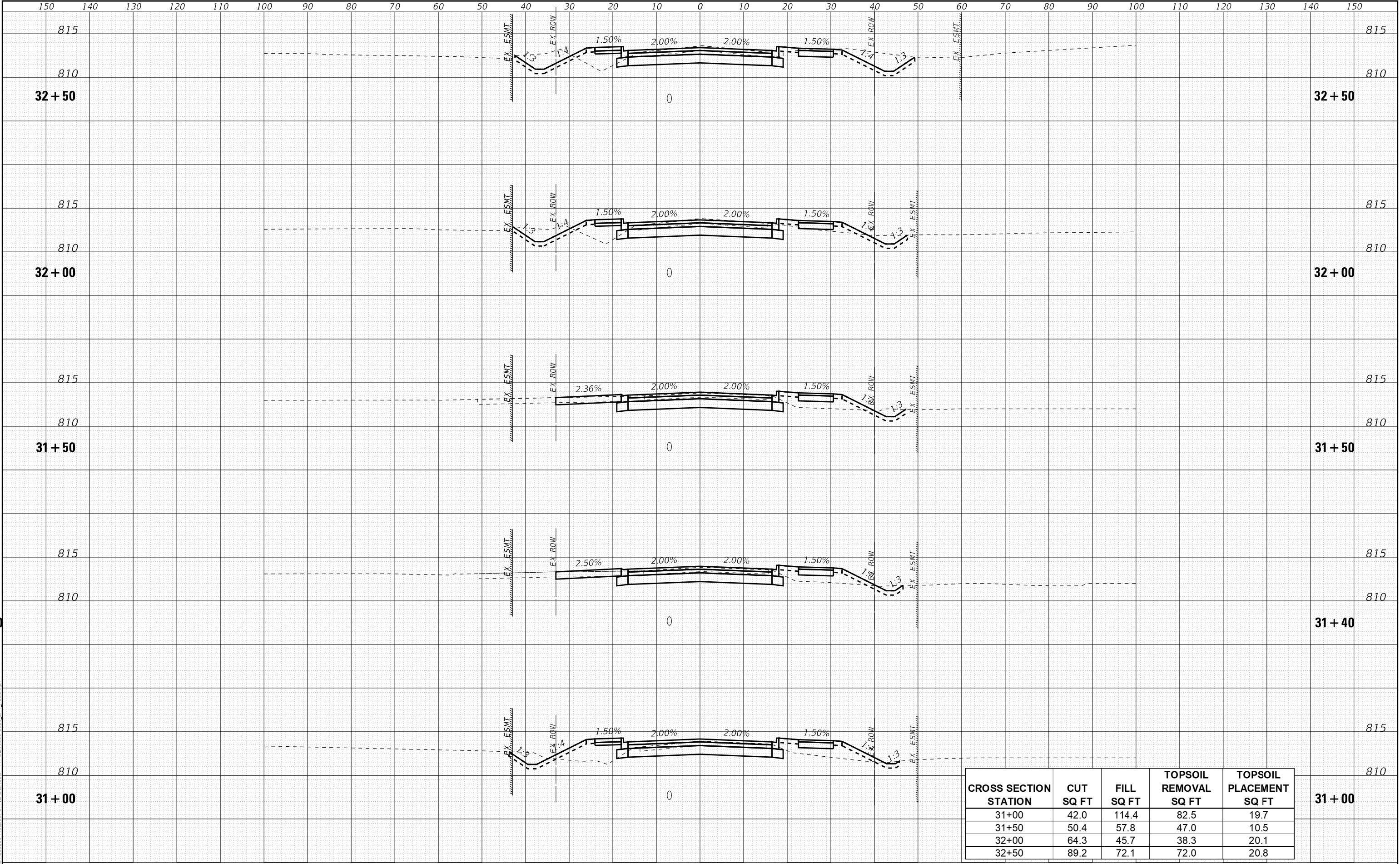
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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

MODEL: Default
FILE NAME: PM161EN 200359-Prospers STP CAD Sheets - PH 2100359-2021 SMT - ASE.dgn



CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
31+00	42.0	114.4	82.5	19.7
31+50	50.4	57.8	47.0	10.5
32+00	64.3	45.7	38.3	20.1
32+50	89.2	72.1	72.0	20.8

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'

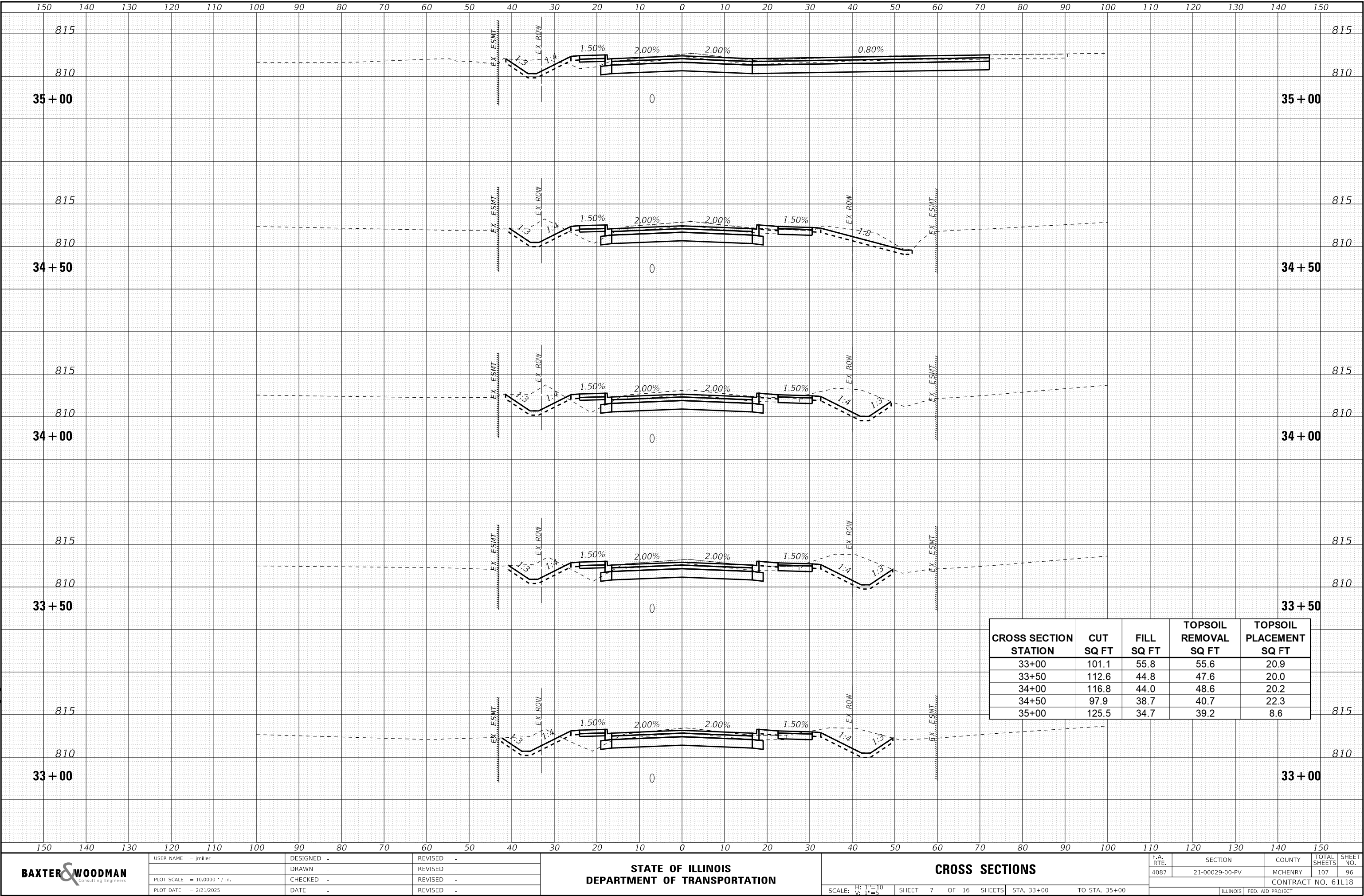
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	95
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

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

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

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BAXTER & WOODMAN
Consulting Engineers

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	DRAWN -	REVISED -
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PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

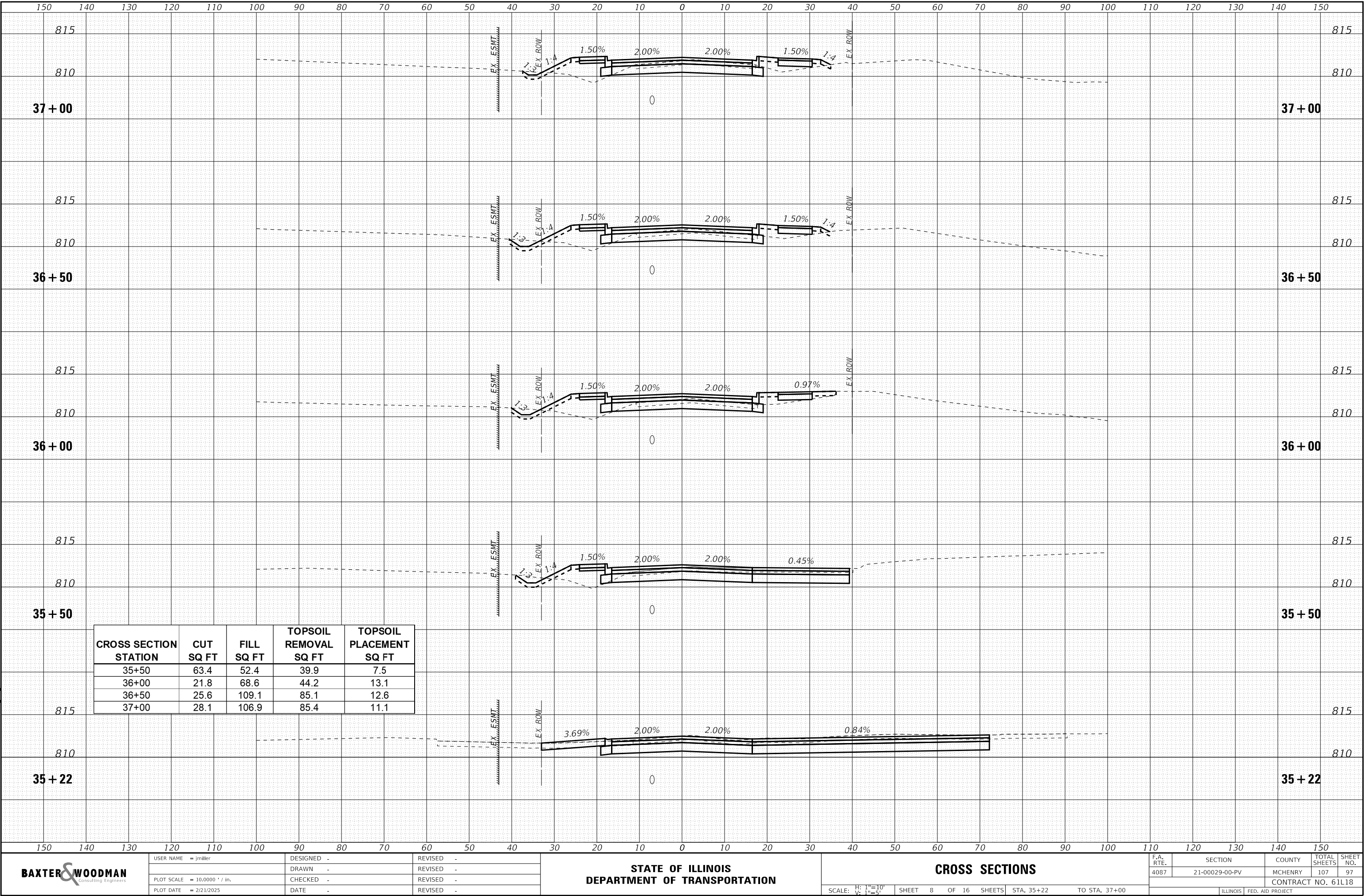
SCALE: H: 1"=10'
V: 1"=5'
SHEET 7 OF 16 SHEETS
STA. 33+00 TO STA. 35+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	96
				CONTRACT NO. 61L18
				ILLINOIS FED. AID PROJECT

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

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

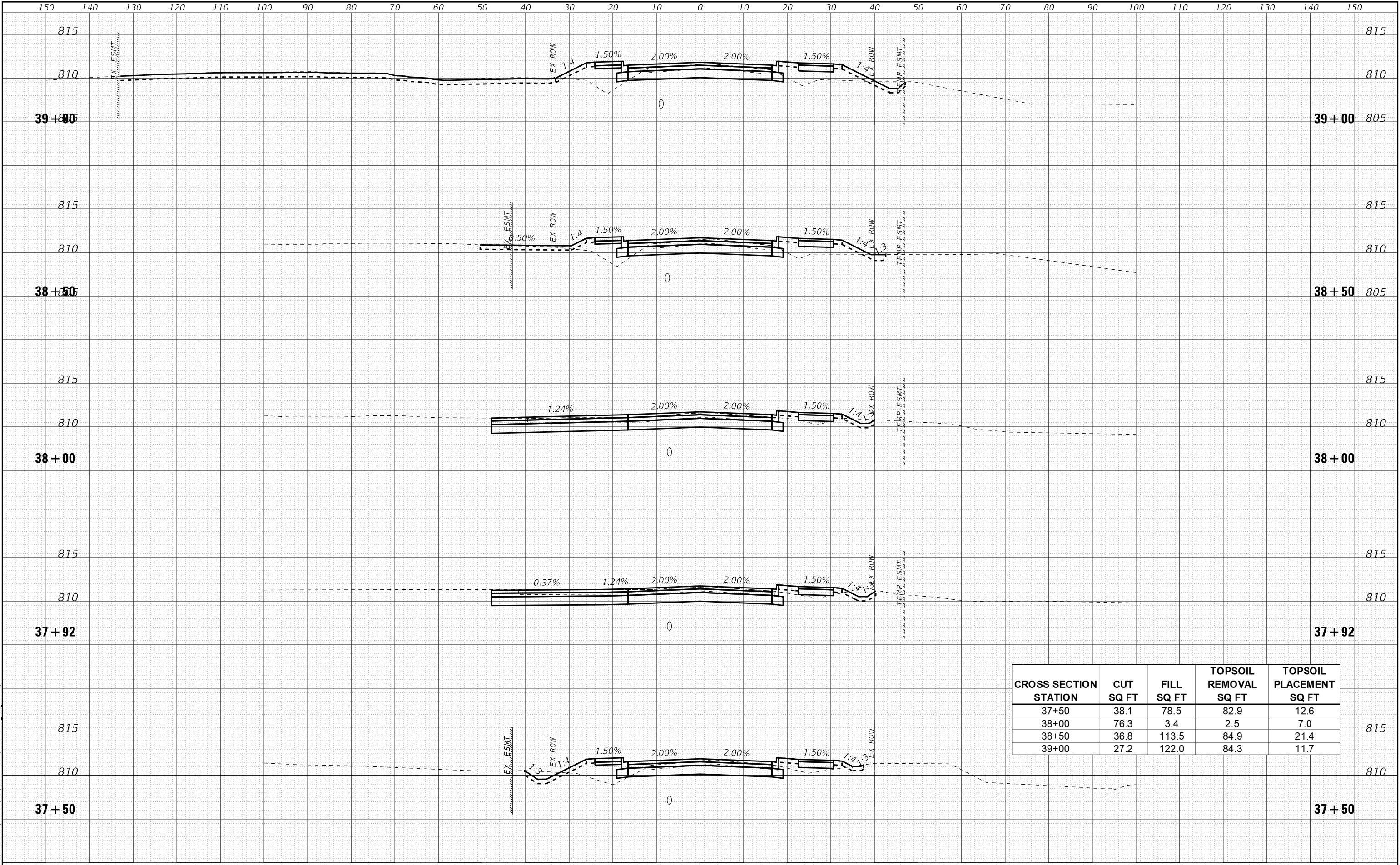
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
37+50	38.1	78.5	82.9	12.6
38+00	76.3	3.4	2.5	7.0
38+50	36.8	113.5	84.9	21.4
39+00	27.2	122.0	84.3	11.7

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller
DESIGNED -
DRAWN -
PLOT SCALE = 10.0000 ' / in.
CHECKED -
PLOT DATE = 2/21/2025
DATE -

DESIGNED -
REVISD -
REVISD -
REVISD -
REVISD -

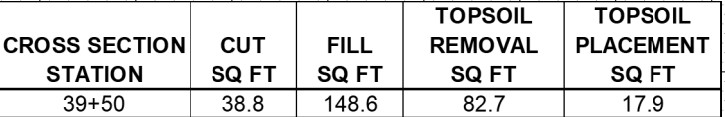
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'
SHEET 9 OF 16 SHEETS
STA. 37+50 TO STA. 39+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	98
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

ORIGINAL		BY	DATE
SURVEY			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			
NO.			

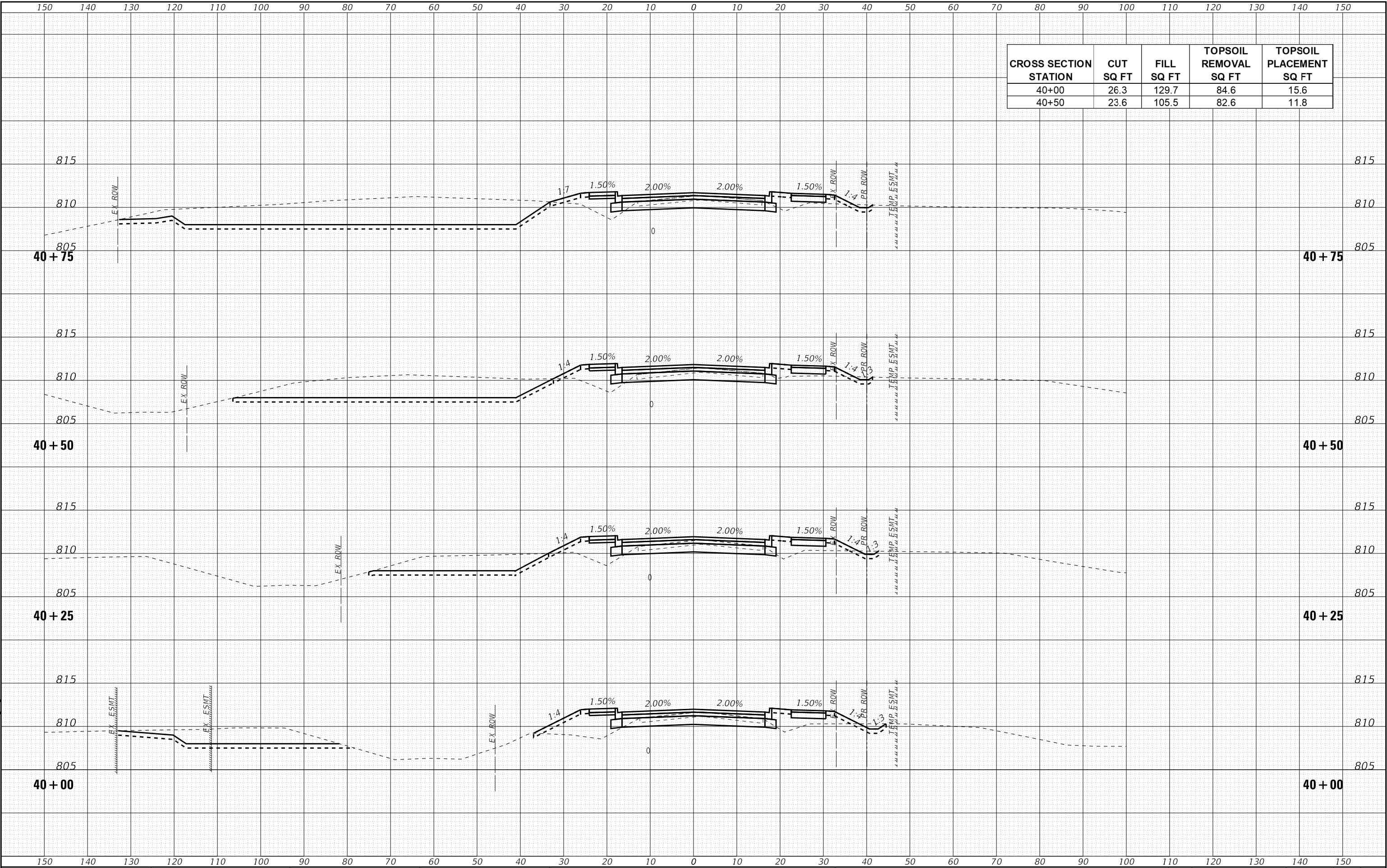


FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
40+00	26.3	129.7	84.6	15.6
40+50	23.6	105.5	82.6	11.8



BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

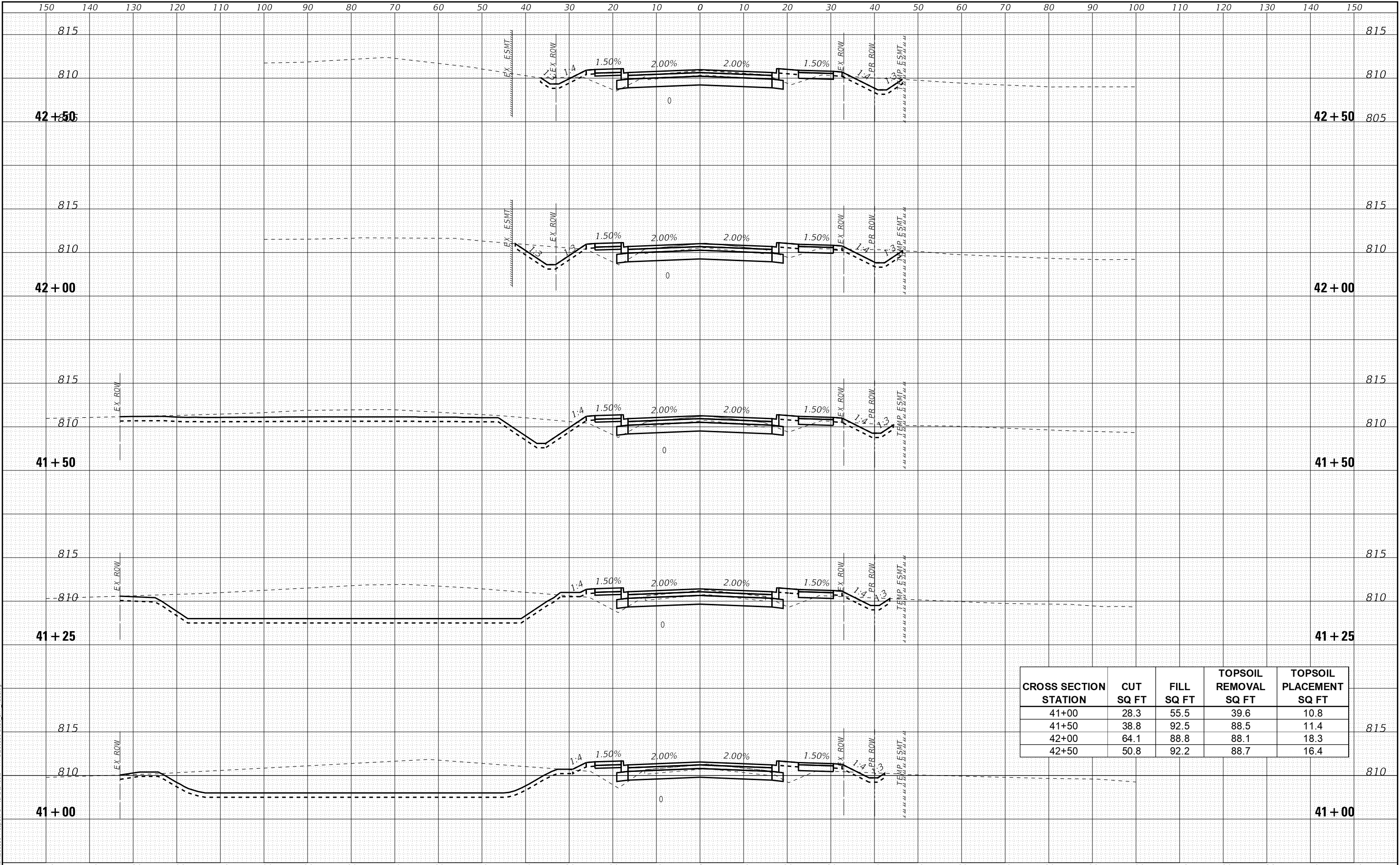
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V: 1"=5'
SHEET 11 OF 16 SHEETS
STA. 40+00 TO STA. 40+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	100
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
41+00	28.3	55.5	39.6	10.8
41+50	38.8	92.5	88.5	11.4
42+00	64.1	88.8	88.1	18.3
42+50	50.8	92.2	88.7	16.4

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller
DESIGNED -
DRAWN -
PLOT SCALE = 10.0000 ' / in.
CHECKED -
PLOT DATE = 2/21/2025
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'
SHEET 12 OF 16 SHEETS
STA. 41+00 TO STA. 42+50

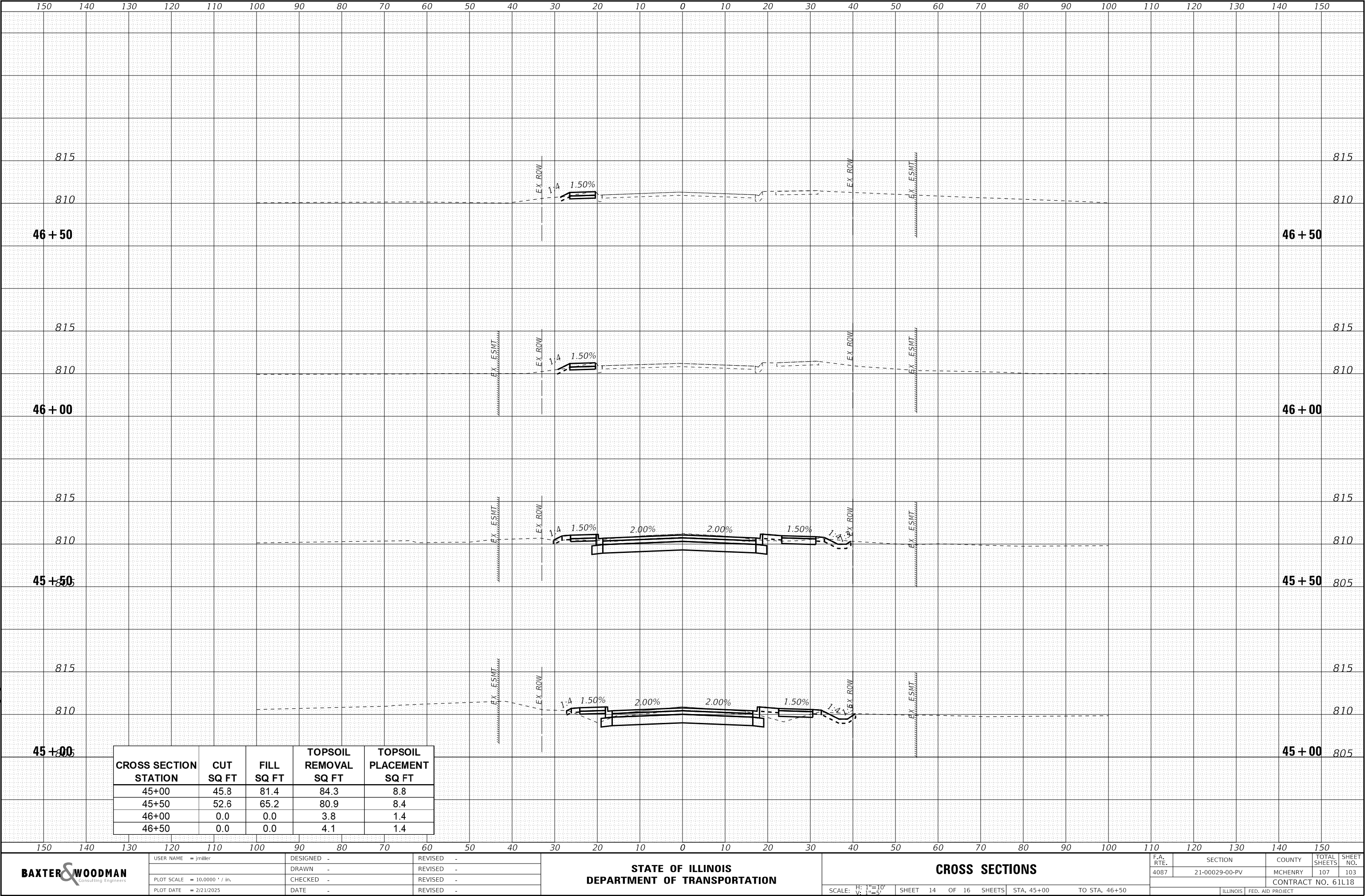
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	101
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

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

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

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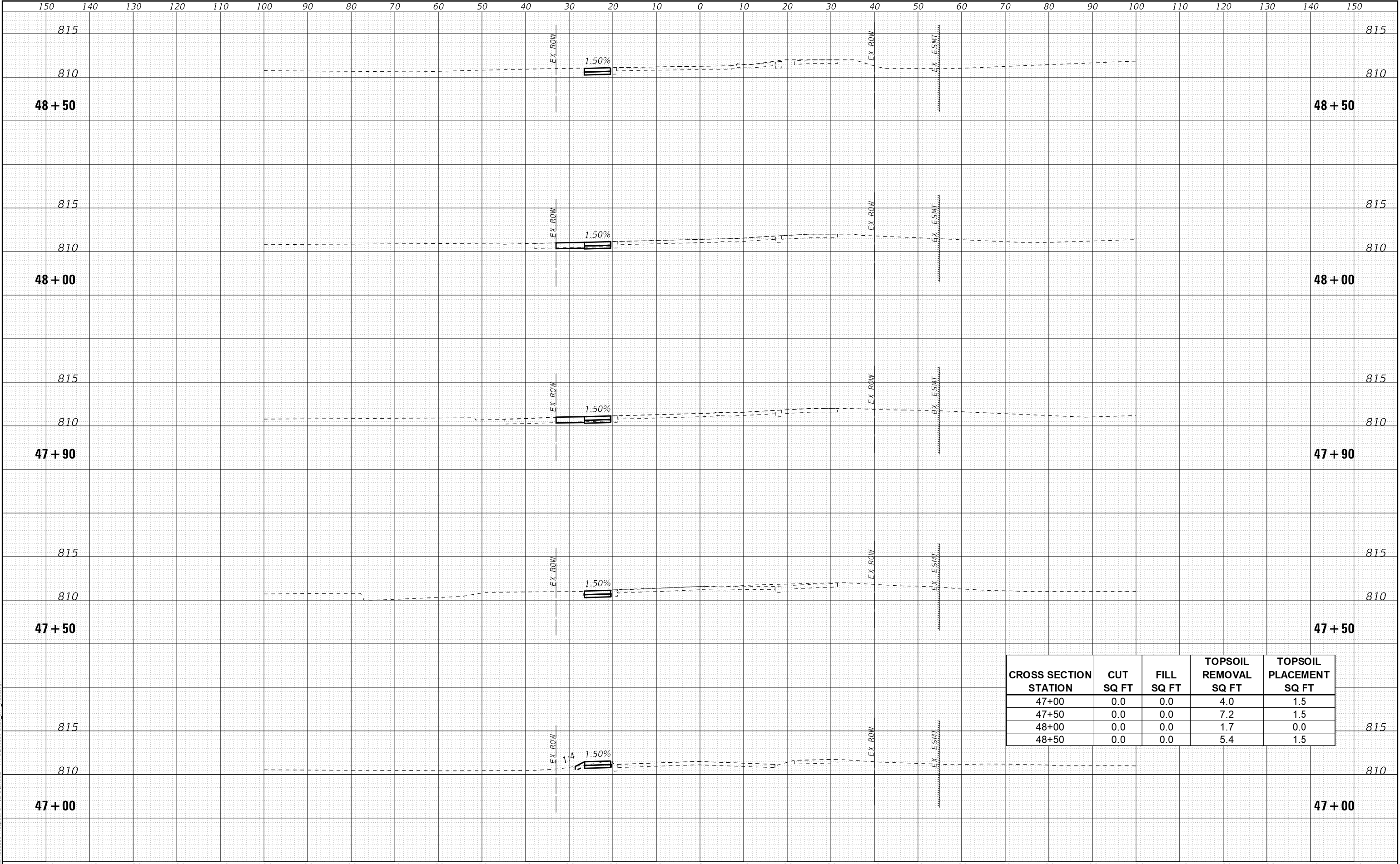
CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
45+00	45.8	81.4	84.3	8.8
45+50	52.6	65.2	80.9	8.4
46+00	0.0	0.0	3.8	1.4
46+50	0.0	0.0	4.1	1.4



FINAL SURVEY	NO.	SURVEYED	BY	DATE		
					PLOTTED	
						TEMPLATE
NOTE BOOK						

ORIGINAL SURVEY	NO.	SURVEYED	BY	DATE		
					PLOTTED	
						TEMPLATE
NOTE BOOK						

MODEL: Default
FILE NAME: P:\MAREN\200359-Prospers STP\CAD\Sheets - PH\2100359-2021_SHT_456.dgn



CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
47+00	0.0	0.0	4.0	1.5
47+50	0.0	0.0	7.2	1.5
48+00	0.0	0.0	1.7	0.0
48+50	0.0	0.0	5.4	1.5

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'

SHEET 15 OF 16 SHEETS

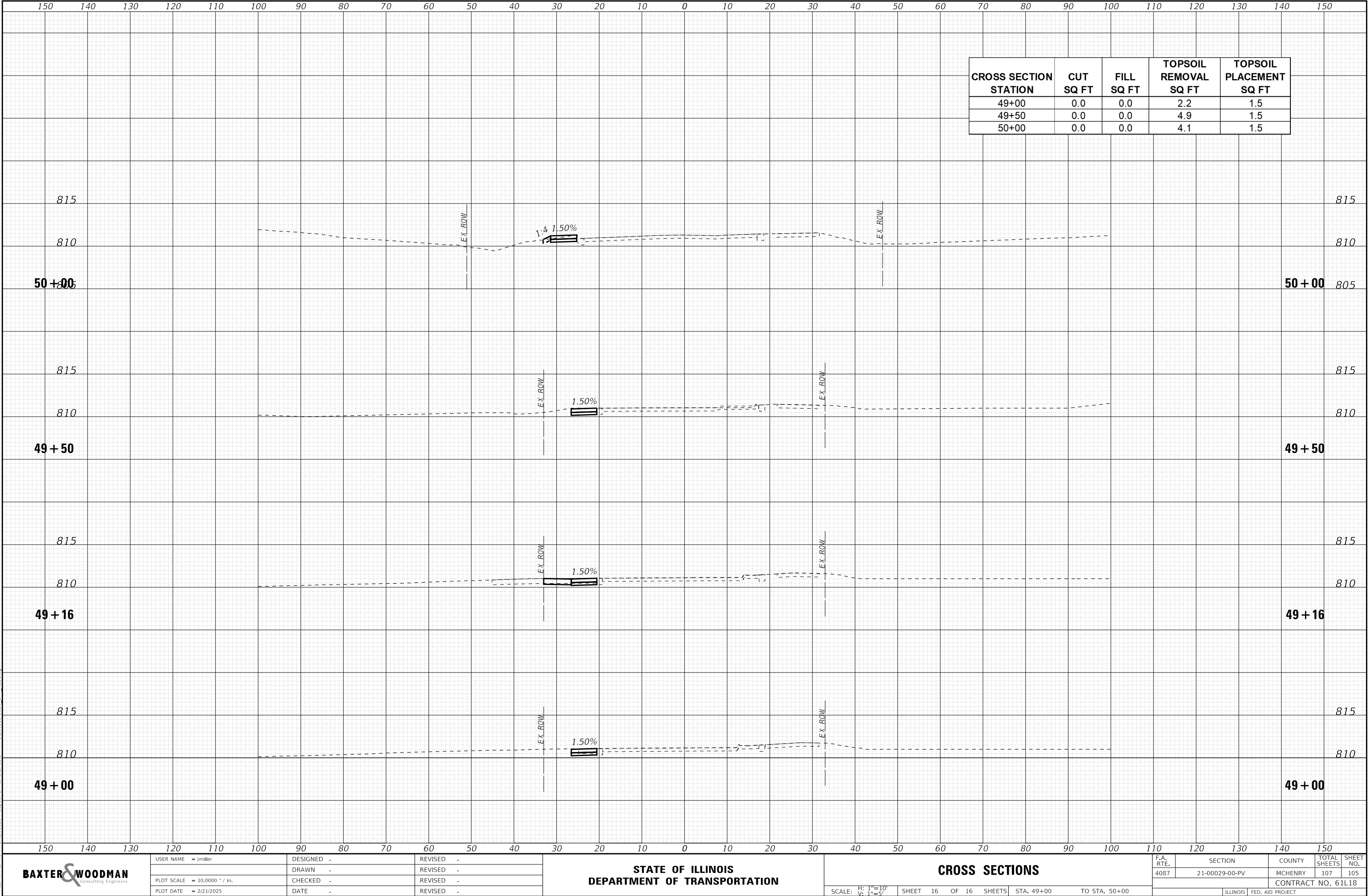
STA. 47+00 TO STA. 48+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	104
		CONTRACT NO. 61118		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NO.	SURVEYED	BY	DATE		
					PLOTTED	
						TEMPLATE
NOTE BOOK						

ORIGINAL SURVEY	NO.	SURVEYED	BY	DATE		
					PLOTTED	
						TEMPLATE
NOTE BOOK						

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BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmilller	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5'

SHEET 16 OF 16 SHEETS

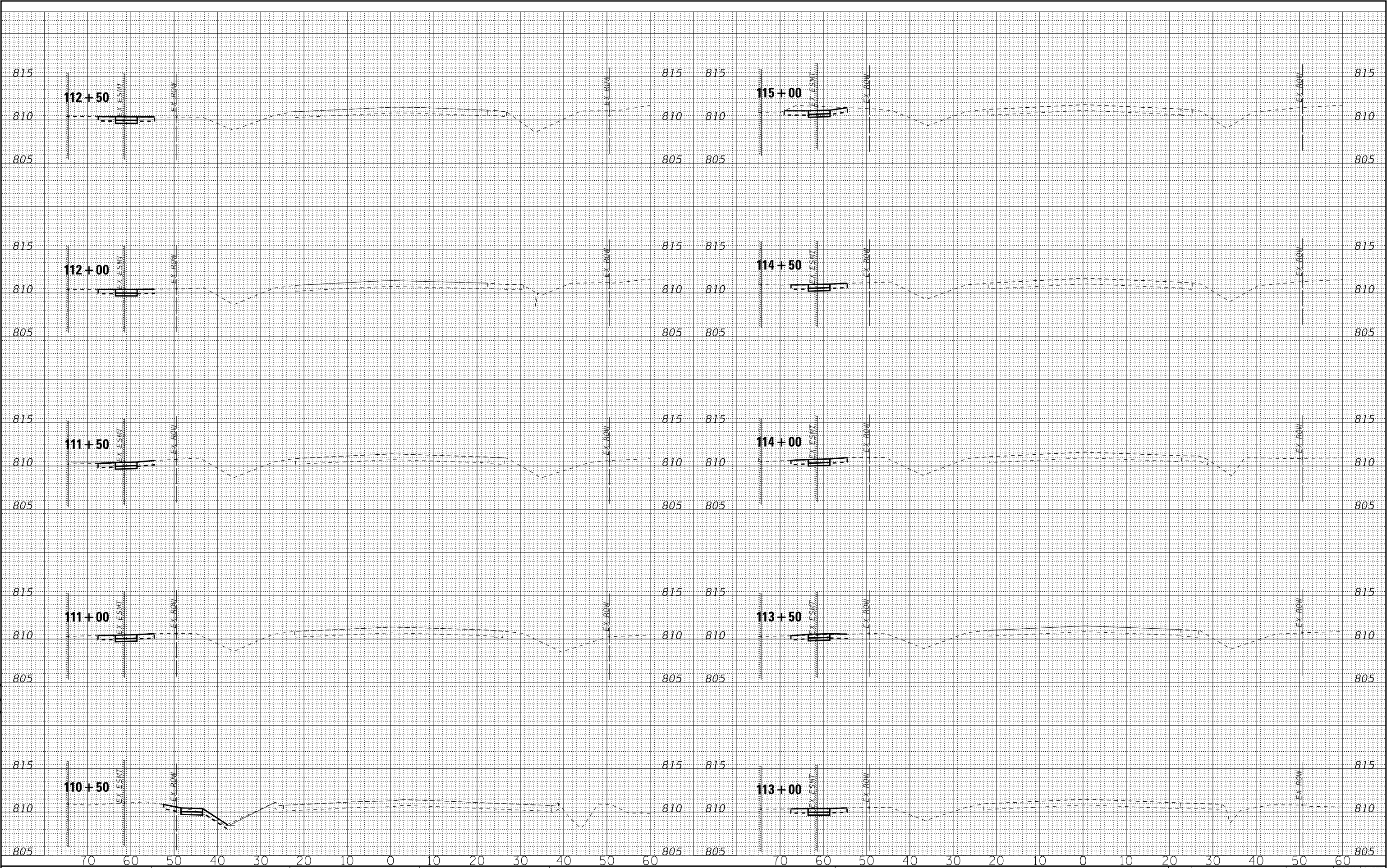
STA. 49+00 TO STA. 50+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	105
CONTRACT NO. 61118				
ILLINOIS FED. AID PROJECT				

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

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

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BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillier	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

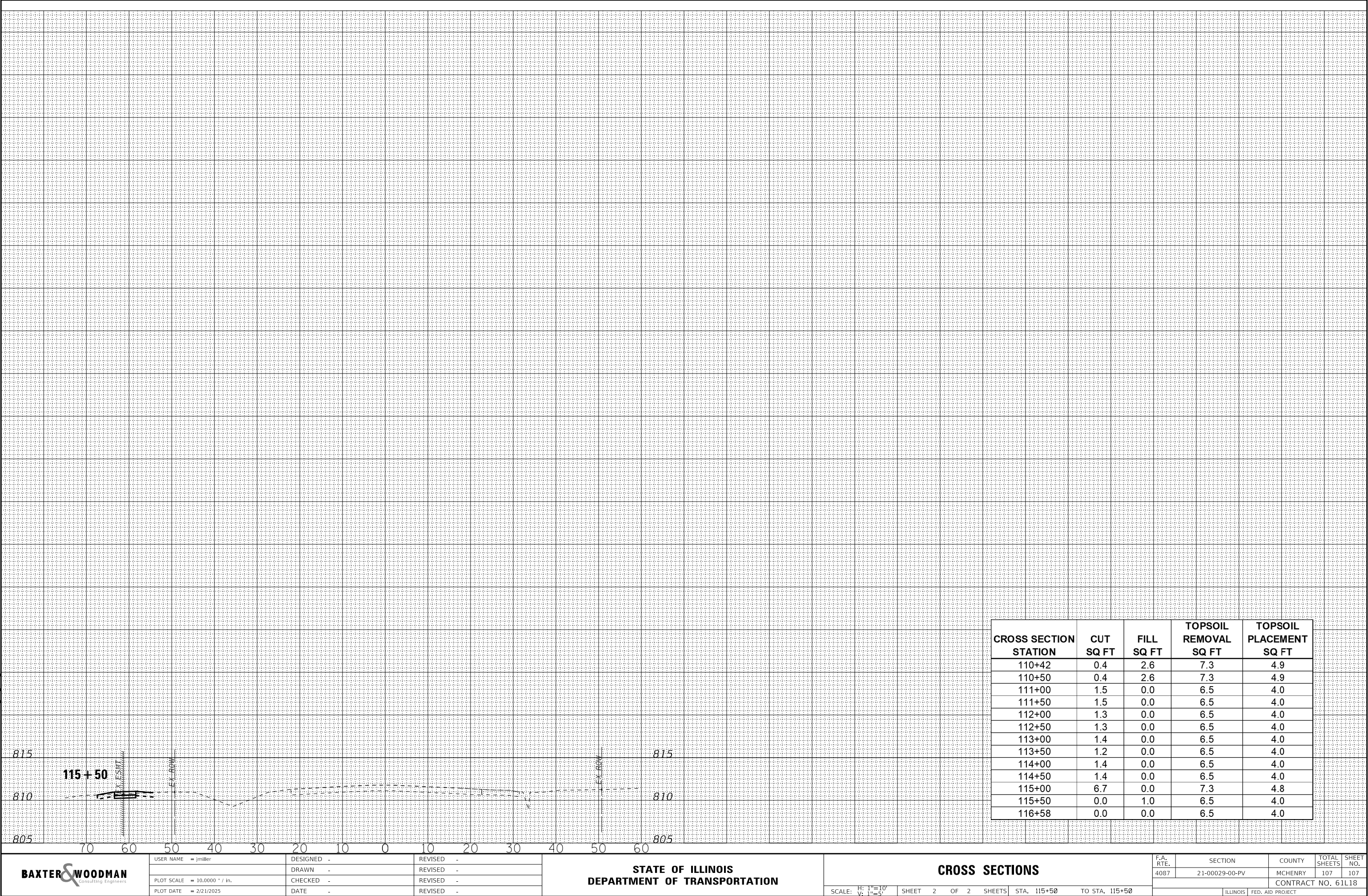
SCALE: H: 1"=10'
V: 1"=5'
SHEET 1 OF 2 SHEETS
STA. 110+50 TO STA. 115+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	106
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default
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CROSS SECTION STATION	CUT SQ FT	FILL SQ FT	TOPSOIL REMOVAL SQ FT	TOPSOIL PLACEMENT SQ FT
110+42	0.4	2.6	7.3	4.9
110+50	0.4	2.6	7.3	4.9
111+00	1.5	0.0	6.5	4.0
111+50	1.5	0.0	6.5	4.0
112+00	1.3	0.0	6.5	4.0
112+50	1.3	0.0	6.5	4.0
113+00	1.4	0.0	6.5	4.0
113+50	1.2	0.0	6.5	4.0
114+00	1.4	0.0	6.5	4.0
114+50	1.4	0.0	6.5	4.0
115+00	6.7	0.0	7.3	4.8
115+50	0.0	1.0	6.5	4.0
116+58	0.0	0.0	6.5	4.0

BAXTER & WOODMAN
Consulting Engineers

USER NAME = jmillier	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: H: 1"=10'
V: 1"=5' SHEET 2 OF 2 SHEETS STA. 115+50 TO STA. 115+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4087	21-00029-00-PV	MCHENRY	107	107
CONTRACT NO. 61L18				
ILLINOIS FED. AID PROJECT				